

CAUSEWAY COMPREHENSIVE SCHOOL
DROMKEEN WEST,
CAUSEWAY,
CO. KERRY

CONTRACT DOCUMENTS: VOLUME C

PRICING DOCUMENT

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- Mechanical Pricing Document
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OCTOBER 2026

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- Chartered Quantity Surveyors
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PRICING DOCUMENT

Causeway Comprehensive School
Dromkeen Road,
Causeway,
Co. Kerry.

EMPLOYER	Kerry Education and Training Board. Centre Point, John Joe Sheehy Road Tralee, Co. Kerry.
ARCHITECTS/ ER	Oppermann Associates Unit D1, The Milhouse, The Steelworks, Foley Street, Dublin
STRUCTURAL ENGINEERS	Downes Associates Ltd Unit 7, Cashel Business Centre, Cashel Road, Kimmage, Dublin 12.
MECHANICAL & ELECTRICAL	Geaney Engineering Consultants Studio 22, Waterford Business Park, Cork Rd, Waterford.
QUANTITY SURVEYORS	Kane Crowe Kavanagh 4 Princes Quay, Tralee, Co. Kerry.
PROJECT SUPERVISOR DESIGN PROCESS	Integrated Risk Solutions Unit 7, 129 Cromwellsfort Road, Walkinstown, Dublin 12.

PRICING DOCUMENT

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES					
	PRELIMINARIES					
	1.1 Project, parties and consultants					
	GENERALLY					
A	If the Contractor does not separately price any item in these Preliminaries he shall be deemed nevertheless to have allowed in his prices or in his rates for the cost of compliance with all the requirements of these Preliminaries. All the Preliminaries shall apply to the whole of the Works. The Contractor will be required to submit a detailed breakdown of his pricing of these Preliminaries before acceptance of his Tender.		Note			
	1.1 Project, parties and consultants					
	Name of project					
B	The name of the Project is Extension to Causeway Comprehensive School, Co. Kerry		Note			
	Location of project					
C	The Project is located in Causeway, Co. Kerry, as indicated on the Architects Site Location Map Drawing		Item			
	General description of the works					
D	The project comprises the Construction of a new two storey extension to the existing school (1,753m2), containing classrooms, science rooms, home economics, music room, design & comm graphics room, ancillary rooms and Special Needs Unit along with all associated siteworks and abnormal works. The contractor must familiarize themselves with the Architects Works Sections drawing number 20057-OPP-01-00-DR-0004-D1-P01. The proposed works are divided into 2no. Works Sections. Works Section 1 has 5 subsections noting the time periods for delivery of each sub section from commencement date on site		Note			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	Works to both sides of the internal access road cannot be run concurrently in order to allow the school remain live and accessible in one direction from the Tralee Road. During the Works a one way system is to be implemented and be safely monitored and managed by the contractor. This one way system will operate from the Tralee Road to the South of the site and current school access exiting onto the R551 to the North of the site. The Works Sections are clearly set out and described on drawing no. "20057-OPP-01-00-DR-A-0004-D1-P01" Site - Works Section 1 and Contractors Compound Layout and "20057-OPP-01-00-DR-A-0006-D1-P01-Site - Works Section 2 and Contractors Compound Layout'"		Note			
B	The works also involved in the scheme include the provision of a new access road, car parking and set down areas for the entire school, bulk filling, new services supplies, relocation of existing temporary accommodation, site retainment, existing boundary set back/ replacement and services diversions.		Note			
	The Gross Floor Area of the new school extension is 1,753m2					
	Name and address of the Employer					
C	The 'Employer' shall mean		Note			
	Kerry Education and Training Board					
	Centrepoint					
	John Joe Sheehy Road					
	Tralee					
	Co. Kerry					
	Names and addresses of the Consultants					
	The term 'Employer's Representative' shall mean					
	Oppermann Associates Architects					
	Unit D1 The Millhouse The Steelworks					

Description	Qty	Unit	Rate	€	c
EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
Foley St					
Dublin					
The Architect is:					
Oppermann Associates Architects					
Unit D1 The Millhouse The Steelworks					
Foley St					
Dublin					
The Structural Engineer is:					
Downes Associates Ltd					
Cashel Business Centre					
Cashel Road					
Kimmage					
Dublin					
The Mechanical and Electrical Engineer is:					
Geaney Engineering Consultants					
Studio 22					
Waterford Business Park					
Cork Rd.					
Waterford					
The Quantity Surveyor is:					
Kane Crowe Kavanagh					
4 Princes Quay					
Tralee					
Co. Kerry					
The Project Supervisor Design Process is:					
Integrated Risk Solutions					
			To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Unit 7, 129 Cromwellsfort Road					
	Walkinstown					
	Dublin 12					
	The Clerk of Works is to be appointed:					
A	The Contractor shall note that the Consultants as listed and any other Consultants appointed from time to time by the Employer shall have access to the site to inspect all or any of the works. Their instructions and directions shall be carried out by the Contractor who shall co-operate with them as required taking into account that the Employer's Representative shall have final and binding say in the question of directions.		item			
	1.2 Description of the site					
	Location					
B	The Project is located at Causeway, Co. Kerry, as indicated on the Architects Proposed Site Plan Drawing Nr. 20057-OPP-01-00-DR-A-0001		Note			
	Boundaries					
C	The boundaries of the site are as indicated on the Architects Proposed Site Plan drawing Nr. 20057-OPP-01-00-DR-A- 0001 & -0003		Note			

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Access					
A	Construction traffic is to access the site from the existing public roadway as indicated on the Architects Proposed Site Plan Drawing Nr. 20057-OPP-01-00-DR-A-0003. The Contractor shall also refer to Architects Site Works Sections and Contractors Compound Layout drawing Nr. 20057-OPP-01-00-DR-A-0004 for access routes and associated changes between works stages. The contractor shall note existing school traffice will also be using the works and include for all costs associated with management of same throughout each works sections.		Item			
B	The contractor shall maintain the existing school entrances/ access points throughout the works as identified on the Architects drawings and site plan. The Contractor shall also include for all costs associated with relocation and temporary school access points throughout the works as indicated on Works Section plans. All necessary works and temporary signage to be included for by the contractor as required		Item			
C	The Contractor is required to provide a secure, control gate access point to the site and the school entrance.		Item			
D	Disciplinary action may be taken against any person found entering or leaving (or attempting to enter or leave) the site other than by the designated gates or entrances. If the Contractor uses a gate or gates to gain access or egress from the site, the Contractor shall be responsible for securing such gate or gates at all times throughout the Contract period.		Item			

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	The Contractor shall ensure that no damage is caused to the existing roads due to the delivery of materials the removal of rubbish. All vehicles entering or leaving the site carrying loads which constitute a potential dust or dirt nuisance such as aggregate, sand, gravel, soil or the like shall be secured so that no materials shall leave the vehicle. This shall also apply to the road upgrade once completed for the duration of the works		Item			
B	The Contractor shall be responsible for keeping all roads adjacent to the site free from mud droppings or other materials which are due to his own and all other operations and safeguard the Employer from any liability resulting therefrom. The Contractor is expected to take reasonable care to ensure that all vehicles entering and leaving the site are free of mud on the wheels or tracks, and the loads are secure. The contractor shall include for the provision of a Wheel Wash for all construction traffic leaving the site		Item			
C	In the event of fouling of any roads due to any operations he will be expected to clean them expeditiously at their own expense to the satisfaction of the Architect and /or Employer. The Contractor shall be entirely responsible for any damage due to his failure to comply with this clause.		Item			
D	The Contractor shall confine his activities to the Works Area included in the contract and shall not allow his men to trespass on the other parts of the site or on the adjacent lands unless in direct execution of Works included in this Contract. In the event of any claims arising due to failure to comply with this clause, the Contractor shall be held entirely responsible and shall pay costs in connection therewith.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Provide and maintain a full time "log in and out system" for all persons entering the works.					
	Position of the Works					
A	The position of the works are indicated on the Architects Proposed Site Plan Drawing Nr. 20057-OPP-01-00-DR-A-0003		Note			
	Adjacent and Abutting Buildings					
	Adjacent building may be seen by visiting the site and as indicated on site maps.					
	Existing Mains / Services					
	The location of all existing site services can be determined by examination of existing plans and investigation reports and checking on site.					
B	All on-site overground and underground existing services shall be surveyed and identified by the Contractor prior to commencement of works. Any services found on site shall be deemed live until disconnections or status otherwise have been verified. Where existing over-ground and under-ground services are to be altered, these have been identified on the Tender documents. Method statements shall be required for all associated works.		Item			
	Existing School					
C	The existing school on the site shall remain fully operational throughout the works. The Contractor shall include for all costs associated with same		Item			
	To Collection €					

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Site Visit					
A	The Contractor should make arrangements for visiting the site by appointment with the Employer's Representative/ Client. The times and dates allocated for site visits are identified in the Architects Project Particulars		Note			
B	The Contractor will be deemed to have visited the site before tendering and ascertained all necessary site information affecting the tender, particularly with regard to location, access, ground formation and conditions, existing boundary condition, adjoining buildings, existing underground and overground services, sources of supply, restrictions, etc., likely to affect the execution of the works. Contractor must familiarize themselves with the schools current vehicular and pedestrian arrangements.		Item			
C	Tenderers must take all of the above into account when tendering and no claims for extras will be allowed in consequence of the failure to do this.		Item			
D	The Contractor will be deemed to have taken all the above matters into account when tendering and no charge for any extra labour or materials will be allowed in consequence of the Contractor's failure to do this		Item			
	1.3 Drawings and other documents					
	The following drawings and other documents were used to prepare the Bill of Quantities					
E	The Architects, Civil and Structural Engineers and Services Engineer's Drawings and Specifications		Note			
F	The Architects, Civil and Structural Engineers and Services Engineer's Drawings and Specifications were issued for tendering purposes		Note			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	The Contractor is advised that the Bill of Quantities and Drawings are all complementary to each other and should be read in conjunction with each other		item			
	Addresses where drawings and other documents may be inspected					
B	Any drawings, schedules and like which have not been supplied with the tender documents may be inspected by appointment at the offices of the Employer's Representative.		Item			
	2. CONTRACT					
	2.1 Conditions of Contract					
	Form of Contract					
C	The Articles of Agreement and Conditions of Contract shall be the Public Works Contract for Building Works Designed by the Employer (PWC 1) which is current at the time of tendering		Item			
D	The Articles provide for the inclusion of a Bill of Quantities (otherwise known as the pricing document) as a Contract Document.		Item			
	Articles					
	Agreement					
E	Article 1		Item			
F	Article 2		Item			
G	Article 3		Item			
H	Article 4		Item			
I	Article 5		Item			
J	A schedule of the clause headings of the Conditions of Contract are set out hereunder for pricing :-		Item			
	1. THE CONTRACT					
	1.1 Definitions					
				To Collection €		

Description	Qty	Unit	Rate	€	c
EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
1.2 Interpretation					
1.3 Inconsistencies					
1.4 Pricing Document and Works Proposals					
1.5 Performance Bond					
1.6 Reliance Documents					
1.7 Joint Ventures					
1.8 Assignment					
1.9 Miscellaneous					
1.10 Background Information					
2.0 THE LAW					
2.1 Law governing the Contract					
2.2 Compliance with Legal Requirements					
2.3 Consents					
2.4 Project Supervisor					
2.5 Safety, Health and Welfare at Work Act 2005 and Safety, Health and Welfare at Work (Construction) Regulations 2013					
2.6 Ethics in Public Office					
2.7 Legal Opinion					
2.8 Data Protection					
3.0 LOSS, DAMAGE AND INJURY					
3.1 Employer's Risks of Loss and Damage to the Works					
3.2 Care of the Works					
3.3 Insurance of the Works and Other Risk Items					
3.4 Contractor's Indemnity					
3.5 Employer's Indemnity					
			To Collection €		

Description	Qty	Unit	Rate	€	c
EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
3.6 Public Liability and Employer's Liability Insurances					
3.7 Professional Indemnity Insurance					
3.8 Existing Facilities and Use or Occupation by Employer					
3.9 General requirements concerning insurance					
3.10 Limitation on Liability					
4.0 MANAGEMENT					
4.1 Co-operation					
4.2 Contractor's Representative and Supervisor					
4.3 Employer's Representative					
4.4 Employer's Representative's Communications					
4.5 Instructions					
4.6 Works Proposals					
4.7 Required Contractor Submissions					
4.8 Value Engineering					
4.9 Programme					
4.10 Progress Reports					
4.11 Notice and time for Employer's obligations					
4.12 Documents					
4.13 Contractor's Management					
4.14 Communications					
4.15 Meetings					
4.16 Confidentiality and Secrecy					
4.17 Contractor's Things Not to be Removed					
			To Collection €		

Description	Qty	Unit	Rate	€	c
EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
4.18 Contractor's Documents					
5.0 CONTRACTORS PERSONNEL					
5.1 Contractor's Personnel to carry out Contractor's Obligations					
5.2 Qualifications and Competence					
5.3 Pay and Conditions of Employment					
5.4 Subcontractors and Specialists					
5.5 Collateral Warranties					
5.6 Removal of Workers					
5.7 Weekly Labour Records					
5.8 Ancillary Certificates					
6.0 PROPERTY					
6.1 Ownership of Work Items					
6.2 Infringement of Property Rights					
6.3 Works Requirements					
6.4 Rights in Contractor's Documents					
7.0 THE SITE					
7.1 Lands made available for the Works					
7.2 Trespassers					
7.3 Contractor Responsible for all Site Operations					
7.4 Services for Employer's Facilities					
7.5 Security and Safety of the Site and Nuisance					
7.6 Other Contractors					
7.7 Setting Out the Works					
7.8 Archaeological Objects and Human Remains					
7.9 Access and Facilities					
			To Collection €		

Description	Qty	Unit	Rate	€	c
EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
7.10 Condition of the Site on Completion					
7.11 Working Times					
8.0 QUALITY, TESTING AND DEFECTS					
8.1 Standards of Workmanship and Works Items					
8.2 Quality Assurance					
8.3 Inspection					
8.4 Tests					
8.5 Defects					
8.6 Defects Period					
8.7 Defects Certificate					
9.0 TIME AND COMPLETION					
9.1 Starting Date					
9.2 Suspension					
9.3 Delay and Extension of Time					
9.4 Programme Contingency					
9.5 Omissions and Reduction of Time					
9.6 Substantial Completion					
9.7 Taking over Part of the Works					
9.8 Liquidated Damages					
10.0 CLAIMS AND ADJUSTMENTS					
10.1 Compensation Event					
10.2 Contractor to Pay Employer's Cost of Checking Quantities					
10.3 Contractor Claims					
10.4 Proposed Instructions					
10.5 Employer's Representative's Determination					
			To Collection €		

Description	Qty	Unit	Rate	€	c
EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
10.6 Adjustments to the Contract Sum					
10.7 Delay Cost					
10.8 (Not Used)					
10.9 Employer's Claims					
10.10 International Procurement Instrument Measures					
11.0 PAYMENT					
11.1 Interim Payment					
11.2 Unfixed Works Items					
11.3 Retention					
11.4 Full payment					
11.5 Final Statement					
11.6 Time for Payment and Interest					
11.7 Value Added Tax					
11.8 Withholding Tax					
12.0 TERMINATION					
12.1 Termination on Contractor Default					
12.2 Consequences of Default Termination					
12.3 Suspension by the Contractor					
12.4 Termination by the Contractor					
12.5 Termination at Employer's Election					
12.6 Consequences of Termination by Contractor or at Employer's Election					
12.7 Survival					
12.8 Payment					
12.9 Reference to Conciliation					
13.0 DISPUTES					
			To Collection €		

Description	Qty	Unit	Rate	€	c
EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
13.1 Dispute Management Procedure					
13.2 Conciliation					
13.3 Adjudication					
13.4 Arbitration					
13.5 Jurisdiction					
13.6 Agent for Service					
13.7 Continuing obligations					
14.0 Covid-19 Mandatory Closure					
14.1 Covid-19 Defination s					
14.2 Covid19 General Provisions					
14.3 Covid-19 Costs					
15.0 Price Variation					
15.1 Definitions					
15.2 Contract Sum Adjustment					
15.3 Proportions					
15.4 Change in Law					
15.5 Failure to Commence by the Start Date					
15.6 Failure to Complete on Time					
15.7 Excluded Amounts					
15.8 Revisions of Index Figures					
15.9 Permitted Increases and Permitted Decreases for Material Categories and Fuel Categories					
15.10 Adjustments for Labour					
15.11 Efficiency					
Appendices to Clause 15					
Appendix 1 Definitions					
			To Collection €		

Description	Qty	Unit	Rate	€	c
EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
Appendix 2 Permitted Increases and Permitted Decreases for Materials and Fuel					
Appendix 3 Labour					
SCHEDULE					
Part 1					
A) Employer's Representatives and Communications					
B) Documents					
C) Project Supervisor					
D) Insurance					
E) Performance Bond					
F) (i) Collateral Warranties					
F) (ii) Ancillary Certificates					
F) (iii) Named Specialists					
G) Dates for Substantial Completion, Sections, liquidated damages, retention					
H) Early completion					
I) Defects Period					
J) Random Checks for Employment Records					
K) Delay Events, Compensation Events, Programme Contingency, Delay Costs, Adjustments					
L) Payment Particulars					
M) Cap on Liability					
N) Conciliation, Adjudication and Arbitration					
O) Rights in Contractors Documents					
P) IPI Measures					
			To Collection €		

Description	Qty	Unit	Rate	€	c
EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
The insertions in the Schedule Part 1 are:					
A) Employer's Representatives and Communications					
Sub-clause 4.3 and 4.14					
Details for sending notices under clauses 12 and 13 to the Employer are:					
For the attention of Mr. Padraig O'Sullivan					
Kerry Education and Training Board					
Centrepoint, John Joe Sheehy Rd, Cloonalour, Tralee, Co. Kerry					
Details for sending other notices to the Employer are:					
Ms. Michele Sweeney, Oppermann Associates					
Oppermann Associates, Unit D1, The Steelworks, Foley Street, Dublin 1.					
The Employers Representative is Oppermann Associates					
Details for sending notices to the Employers Representative are					
For the attention of Ms. Michele Sweeney, Oppermann Associates					
Oppermann Associates, Unit D1, The Steelworks, Foley Street, Dublin 1.					
The number of project board members shall be:					
One member from each party					
Limitations on the Employer's Representative's authority to perform its functions and powers under the Contract					
Maximum adjustment to the Contract Sum for a single Change Order '€2,000.00' unless approved by the Employer.					

Description	Qty	Unit	Rate	€	c
EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
Maximum cumulative value of adjustments to the Contract Sum for Change Orders in any 3 month period 0.25% of the Contract Value, unless approved by the Employer					
The Employers Representative shall not make a Change Order causing or contributing to a reduction in the safety, scope, quality or usefulness of the Works without the Employers approval.					
The Employer will decide whether to accept or reject a value engineering proposal					
The Employer must agree to reduce retention if the Defects Periods is extended					
The Employer's Representative is to consult with the Employer in relation to any adjustment to the Contract Sum before determining the adjustment					
Where the Employer has appointed a Quantity Surveyor, the Employers Representative is to consult with the Quantity Surveyor in relation to any adjustments to the Contract Sum before determining the adjustment					
The Employers Representative must not waive any of the Employers rights or the Contractors obligations under the Contract including without limitation sub- clause 10.3					
B) Documents					
The works requirements are					
As scheduled and included in Volume A					
To Collection €					

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	The Pricing Document is A Bill of Quantities to the Agreed Rules of Measurement 4, Suplement 1 Issue 2, as included in Volume C. Mechanical & Electrical Works measured in accordance with: The Agreed Rules of Measurement 4 to Supplement 2. The Works Proposals are: As included in Volume D and attachments - Works Proposals (response to Technical Merit Criteria as outlined in Appendix 1 of the ITT document and accompanying tender information outlining the technical merit criteria). Also required separate to the technical merit requirements is on outline programme for the Works in accordance with the Form of Tender and Schedule, Part 1G which must separately identify the Named Specialist Works categories detailed in the Form of Tender and Schedule Part 1F (iii) (this outline programme must align with the programme if a programme has been requested as part of the technical merit criteria response where applicable) **C) Project Supervisor** Sub-clause 2.4					
A	The Contractor, is to be appointed project supervisor for the construction stage for the Works and any other work on the Site between the Starting Date and the date of Substantial Completion of the Works contemplated in the Works Requirements		Item			
	D) Insurances Clause 3					
B	Insurance of the works: minimum amount insured for professional fees 12.5% of the Contract Sum		Item			

To Collection €

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Minimum indemnity for Public liability and Employers' liability insurance:					
A	Public Liability Insurance: '€6,500,000.00' for any one event, but this limit may be on an annual aggregate basis of products liability, collapse, vibration, subsidence, removal and weakening of supports and sudden and accidental pollution.		Item			
B	Employers' Liability Insurance: '€13,000,000.00' for any one event.		Item			
	Maximum excess for insurance:					
C	Insurance of Works and other Risk Items: 'The greater of 1% of the Project Value or 0.5% of the Contractors turnover'		Item			
D	Public Liability: 'The greater of 1% of the Project Value or 0.5% of the Contractors turnover' in respect of property damage only There shall be no excess for death, injury or illness.		Item			
E	Employers' Liability: no excess		Item			
	Permitted exclusions from the insurances:					
F	War, invasion, act of foreign enemies, hostilities (whether war is declared or not), civil war, rebellion, revolution, insurrection or military or usurped power		Item			
G	Pressure waves caused by aircraft or other airbourne objects travelling at sonic or supersonic speeds		Item			
H	Contamination by radioactivity or radioactive, toxic, explosive or other hazardous properties of any explosive nuclear assembly or its components, in each case not caused by the Contractor or the Contractor's personnel		Item			
I	Terrorism		Item			
J	Asbestos		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Permitted exclusions from insurance of the Works and other Risk Items:					
A	Use or occupation of the Works by the Employer except in connection with the Works		Item			
B	Unless otherwise specified in the Works Requirements, cost of making good defects in the Works but not damage caused by such defects to other sound parts of the Works		Item			
C	Wear, tear, normal upkeep or normal repair or gradual deterioration		Item			
D	Inventory losses		Item			
E	Loss of use or any consequential loss of any nature including penalties for delay, non completion or non compliance		Item			
F	Failure of information technology		Item			
G	Mechanical or electrical breakdown but not resulting damage		Item			
H	Cessation of the Works for more than 3 months		Item			
	Permitted exclusions from Public liability insurance:					
I	Persons under a contract of service or apprenticeship with the insured		Item			
J	Property of the insured or in the insured's custody or control other than existing premises and their contents temporarily occupied for the purpose of the Works		Item			
K	Defective workmanship or materials but not resulting damage		Item			
L	Mechanically propelled vehicles within the meaning of the Roads Traffic Acts		Item			
M	Loss or damage due to design, but including its consequences		Item			
N	Gradual pollution or contamination		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	Territorial limits		Item			
B	Unless otherwise specified in the Works Requirements, aircraft and waterbourne craft		Item			
C	Fines, penalties, liquidated damages		Item			
	Permitted exclusions from Employers liability Insurance:					
D	Offshore work		Item			
E	Liability compulsorily insurable under the Roads Traffic Acts		Item			
	Permitted exclusions from Professional Indemnity insurance					
F	Persons under a contract of service or apprenticeship with the insured		Item			
G	Ownership, use, occupation or leasing of mobile or immobile property		Item			
H	Effecting or maintenance of insured of or in connection with the provision of finance or advice on financial matters		Item			
I	Dishonest, malicious, criminal or deliberate illegal acts		Item			
J	Libel and slander		Item			
K	Insolvency		Item			
L	Fines, penalties, liquidated damages or any penal, punitive, exemplary, non-compensatory or aggregavated damages		Item			
M	Failure of information technology		Item			
N	Contractual liability that would not apply in the absence of the contract		Item			
	Optional insurance provisions:					
O	Sub-clause 3.8 (Existing Facilities and Use or Occupation by the Employer) shall apply		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	Insurance of the Works and other Risk Items shall include the following property of the Employer, other than the Works and Works Items: Not Applicable		Item			
B	And the minimum sum for which this property is to be insured shall be: €...Not Applicable		Item			
C	If insurance of the Works and other Risk Items is to include terrorism cover, the minimum sum insured shall be: €...0.00		Item			
D	The Contractor is not required to extend the insurance of the Works and other Risk Items for a section that has reached substantial completion until the Employer's Representative issues the certificate of Substantial Completion for the whole works:		Item			
	Required extensions to Insurance: Not applicable					
E	Professional Indemnity Insurance is required. Professional Indemnity insurance is to be kept in place for 6 years after Substantial Completion for the Works is certified by the Employer's Representative. If required, the minimum indemnity limit for professional insurance shall be €3,000,000 each and every claim or €6,500,000 in the annual aggregrate limit.		Item			
F	The maximum excess shall be the greater amount of 2% of the Contractors annual turnover or €5,000		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	E. Performance Bond					
	Sub-clause 1.5					
	A performance bond is required					
A	The amount of the performance bond shall be 12.50% of the initial Contract Sum up to certification of Substantial Completion of the Works, and 6.25% of the initial Contract Sum for the subsequent period stated in the Form of Bond in the Works Requirements: (Contractor to Price in General Summary)		Item			
	F. (i) Collateral Warranties					
	Sub-clause 5.5					
B	Collateral Warranties are required from the following categories of Specialists, by the following dates; and the amount withheld from payment under sub-clause 11.4.1 are as follows:		Item			
C	Mechanical; Date for Warranty - To be Agreed; Amount witheld - €25,000; Minimum indemnity limit for professional indemnity insurance = €1, 500,000; Maximum excess for professional indemnity insurance - 2% of the annual turnover or €5,000.00		Item			
D	Electrical; Date for Warranty - To be Agreed; Amount witheld - €25,000; Minimum indemnity limit for professional indemnity insurance = €1, 500,000; Maximum excess for professional indemnity insurance - 2% of the annual turnover or €5,000.00		Item			
E	External Windows, Curtain Walling and Doors; Date for Warranty - To be Agreed; Amount witheld - €25,000; Minimum indemnity limit for professional indemnity insurance = €1, 000,000; Maximum excess for professional indemnity insurance - 2% of the annual turnover or €5,000.00		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	Roof Finishes; Date for Warranty - To be Agreed; Amount witheld - €25,000; Minimum indemnity limit for professional indemnity insurance = €1, 000,000; Maximum excess for professional indemnity insurance - 2% of the annual turnover or €5,000.00		Item			
	F. (ii) Ancillary Certs					
B	Ancillary certs required for contractors personnel as listed and required by Design Team		Item			
	For Specialists with Design Responsibility					
C	Cladding Sub contractor -aluminium window surrounds, soffit overhangs - Detailed shop drawings (SD, SI & SC Certificates CS / CSS Certificates)		Item			
D	Internal and external balustrading/ railings -Contractor Design Scope. Design Calcs required. PII required. PII €1,000,000 (annual aggregate) (SD, SI & SC Certificates CS / CSS Certificates)		Item			
E	Combined product assembly FR and Non FR Partitions - Fire Resistant screens/smoke retardant screens assembly manufacturer/ supplier/ installer single point of responsibility - Fire Resistant screens/smoke retardant screens assembly supplier. (SD, SI & SC Certificates. CS / CSS Certificates)		Item			
F	Fall arrest/prevention single source design, supply and install - CONTRACTOR DESIGN SCOPE . Design Calcs. Shop drawings (SD, SI & SC Certificates. CS / CSS Certificates)		Item			
G	Rooflights/AOVs - Design Calcs. Shop drawings (SD, SI & SC Certificates. CS / CSS Certificates)		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	All passive fire protection - firestopping, pillows, fire sealant , Intumescent grilles, collars, wraps etc. (SD, SI & SC Certificates. CS / CSS Certificates)		Item			
B	External Windows, Curtain Walling and Doors - CONTRACTOR DESIGN SCOPE to include design of secondary steel angles at thresholds and base of windows. PII €1,000,000 (annual aggregate). Collateral Warranty required. Design Calcs - to include secondary steel angles at thresholds and base of windows. (SD, SI & SC Certificates. CS / CSS Certificates)		Item			
C	Roof build ups including finishes - PII €1,000,000 (annual aggregate). Collateral Warranty required. Design Calcs - flow rates, wind loadings, U value, condensation etc.(SD, SI & SC Certificates, CS / CSS Certificates)		Item			
D	Fitted Furniture (CS / CSS Certificates)		Item			
E	Roof access ladder/ associated balustrading - Product Liability Insurance required covering the consequence of goods being defective and the delivery and supply of incorrect goods which cause injury and damage. (CS / CSS Certificates)		Item			
F	Airtightness installation (CS / CSS Certificates)		Item			
G	Radon membrane and sumps - Shop drawings (CS / CSS Certificates)		Item			
H	Soft landscaping (CS / CSS Certificates)		Item			
I	Sanitary ware (CS / CSS Certificates)		Item			
J	Suspended ceilings & all ceiling finishes. (CS / CSS Certificates)		Item			
K	Intumescent Paint (CS / CSS Certificates)		Item			

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	All floor finishes (CS / CSS Certificates)		Item			
B	Louvres - CONTRACTOR DESIGN SCOPE to include design of secondary steel angles supproting any louvres SD, SI & SC Certificates. CS / CSS Certificates)		Item			
C	Cavity Barriers. (CS / CSS Certificates)		Item			
D	External brickwork and blockwork (CS / CSS Certificates)		Item			
E	All wall finishes (CS / CSS Certificates)		Item			
F	Internal stud partitions FR and non FR (CS / CSS Certificates)		Item			
G	External render & internal plaster (CS / CSS Certificates)		Item			
H	All Ceiling Finishes (CS / CSS Certificates)		Item			
I	Structural Steelwork - CONTRACTOR DESIGN SCOPE INVOLVED. PII €1,500,000. Design Calculations for all Structural Steel connections (job-specific) in accordance with the Consulting Engineers Steel Work Specification - PII €1,000,000 (annual aggregate). (Sd, Si, Sc[(Cs(s) + Schedule of Design Items if In House)])		Item			
J	Secondary Steelwork - Design Calculations for all Secondary Structural Steel- not associated with primary structure (Sd, Sc, Si Cs(s) + Schedule of Design Items if In House)		Item			
K	Steel fabricator. - CONTRACTOR DESIGN SCOPE Steel fabricator. (CS / CSS Certificates)		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	Precast Stairs/Slabs - CONTRACTOR DESIGN SCOPE. Design Calculations for all Precast Elements in accordance with the Concrete Specification - PII €1,000,000 (annual aggregate) (Sd, Si, Sc (Cs(s) + Schedule of Design Items if In House))		Item			
B	Lintels - CONTRACTOR DESIGN SCOPE. Design Calculations for all Precast Lintels in accordance with the Concrete Specification (Sd from designer, Cs (s) from contractor)		Item			
C	Relieving Angles - CONTRACTOR DESIGN SCOPE. Design Calculations for all relieving angles in accordance steelwork specification (Sd, Si, Sc, or Sd from designer and Cs(s) from contractor)		Item			
D	Glass in Balustrades - CONTRACTOR DESIGN SCOPE. Design Calculations for all glass within a balustrade system. (Sd, Si, Sc, or Sd from designer and Cs from contractor)		Item			
E	Glass in Balustrades - CONTRACTOR DESIGN SCOPE. Design Calculations for all glass within a balustrade system. (Sd, Si, Sc, or Sd from designer and Cs from contractor)		Item			
F	Roof access ladder/ balustrading - Product Liability Insurance required covering the consequence of goods being defective and also the delivery and supply of incorrect goods which cause injury and damage. (CS / CSS Certificates)		Item			
G	Waterproofing - Design Calculations for any project specific details (Sd, Si, Sc (Cs(s) + Schedule of Design Items if In House)		Item			
H	Attenuation / Treatment Tank Systems - Design Calculations for Specialist Attenuation and Waste Treatment Systems (Sd, Sc, Si [(Cs(s) + Schedule of Design Items if In House)]		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	Pumps - CIF 01 cert and full suite of commissioning certs for pumps (Cs and Testing/ Commissioning Certs)		Item			
B	Petrol Interceptor (Sd, Si, Sc, or Sd from designer and Cs from contractor)		Item			
C	Blockwork layers - CIF 01 cert (Cs cert)		Item			
D	Post fixed anchors - CIF 01 cert (Cs cert)		Item			
E	Timber and floor joists - CIF 01 cert (Cs cert)		Item			
F	Temporary works/concrete formwork sub-contractor/designer - PII €1,000,000 (annual aggregate). (SD, SI & SC Certificates)		Item			
G	Ground works noting the scope of works. - Ground works noting the scope of works. (CS / CSS Certificates)		Item			
H	Drainage works. (CS / CSS Certificates)		Item			
I	Concrete / screed pouring. (CS / CSS Certificates)		Item			
J	Radon Barrier (CS / CSS Certificates)		Item			
K	Roof and purlin installer.		Item			
L	Siteworks		Item			
M	External surfaces (CS / CSS Certificates)		Item			
N	Overall Mechanical Installation - CONTRACTOR DESIGN SCOPE INVOLVED. PII €1,500,000. Collateral Warranty required. Mechanical Sub-Contractor Ancillary Certificate of Compliance on Completion (SD, SI & SC Certificates - Cs Certificate - CIF-01)		Item			
O	Gas Installation - Registered Gas Installer Sub-Sub-Contractor Ancillary Certificate of Compliance on Completion (Css Certificate - CIF-02, RGII Declaration of Conformance)		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	Fire Extinguishers - Fire Extinguisher Specialist Sub-Sub-Contractor Ancillary Certificate of Compliance on Completion (Css Certificate - CIF-02)		Item			
B	BMS Controls - BMS Controls Specialist Sub-Sub-Contractor Ancillary Certificate of Compliance on Completion (Css Certificate - CIF-02)		Item			
C	Ventilation Installation - Ventilation Installer Ancillary Certificate of Compliance on Completion (Css Certificate - CIF-02)		Item			
D	Switchgear - Design / Inspection / Completion Certificate (SD, SI & SC Certificates - CS / CSS Certificates)		Item			
E	Lightning Protection - Design / Inspection / Completion Certificate (SD, SI & SC Certificates - CS / CSS Certificates)		Item			
F	Overall Electrical Installation - CONTRACTOR DESIGN SCOPE INVOLVED. PII €1,500,000. Electrical Sub-Contractor Ancillary Certificate of Compliance on Completion (SD, SI & SC Certificates - Cs Certificate - CIF-01)		Item			
G	Fire Alarm - Fire Alarm Installer Specialist Ancillary Certificate of Compliance on Completion (Css Certificate - CIF-02)		Item			
H	Emergency Lighting - Emergency Lighting Specialist Ancillary Certificate of Compliance on Completion (Css Certificate - CIF-02)		Item			
I	Switchgear - Switchgear Manufacturer Specialist Ancillary Certificate of Compliance on Completion (Css Certificate - CIF-02)		Item			
J	Structured Cabling - Structured Cabling & Fibre Optic Specialist Ancillary Certificate of Compliance on Completion (Css Certificate - CIF-02)		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	Security Systems - Security Systems Specialist Ancillary Certificate of Compliance on Completion (Css Certificate - CIF-02)		Item			
B	Lighting Controls - Lighting Controls Specialist Installer Ancillary Certificate of Compliance on Completion (Css Certificate - CIF-02)		Item			
C	Solar PV - Solar PV Specialist Installer Ancillary Certificate of Compliance on Completion (Css Certificate - CIF-02)		Item			
D	EV Charging - EV Charging Specialist Installer Ancillary Certificate of Compliance on Completion (Css Certificate - CIF-02)		Item			
E	Public Lighting (SD, SI & SC Certificates where design changes - CS / CSS Certificates)		Item			
F	PA System - Public Address Specialist Installer Ancillary Certificate of Compliance on Completion (Css Certificate - CIF-02)		Item			
G	Lift Installations (SD, SI & SC Certificates - CS / CSS Certificates)		Item			
	F. (iii) Named Specialists					
H	Non Applicable		item			
	G. Dates for Substantial Completion, Sections, liquidated damages, retention					
	Date for Substantial Completion					
I	Date for Substantial Completion (unless to be completed by Contractor in part 2) Last day of period starting on the Contract Date or date.		Item			
J	The Works:		Item			
K	Section: Works Section 1A - 5 months		Item			
L	Section: Works Section 1B - 5 months		Item			
M	Section: Works Section 1C - 3 months		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	Section: Works Section 1D - 3 months		Item			
B	Section: Works Section 1E - 16 months		Item			
C	Section: Works Section 2 - 20 months		Item			
	Rate of Liquidated Damages					
D	The Works as described: €2,500.00 per week		Item			
	Reduction in Retention on Substantial Completion of Section					
E	Section: Completion of overall development: 50 %		Item			
	H. Early Completion					
	Sub-clause 9.6					
F	The Employer's Representative is required to issue the certificate of Substantial Completion if the Works or a Section reaches Substantial Completion before its Date for Substantial Completion.		Item			
	I. Defects Period					
G	The initial Defects Period is one year from the date of Substantial Completion of the Works.		Item			
	J. Random Checks for Employment Records					
H	Sub-clause 5.3.3A(2) shall be part of the contract		Item			

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	K. Delay Events, Compensation Events, Programme Contingency, Delay Costs, Adjustments					
	Sub-clauses 9.3, 9.4, 10.1, 10.6, 10.7					
	Delay Events and Compensation Events are as follows:					
	Employer to select "Yes" or "No" for compensation events 17 - 21. If unamended, read as "No"					
	1) The Employers Representative gives a Contractor a Change Order					
A	Delay Event: Yes		Item			
B	Compensation Event: Yes		Item			
	2) The Employer's Representative directs the Contractor to search for Defects or their cause and no Defect is found, and the search was not required because of a failure of the Contractor to comply with the Contract					
C	Delay Event: Yes		Item			
D	Compensation Event: Yes		Item			
	3) The Employer's Representative directs the Contractor to suspend work under sub-clause 9.2					
E	Delay Event: Yes		Item			
F	Compensation Event: Yes		Item			
	4) The Contractor suspends work in accordance with sub-clause 12.3					
G	Delay Event: Yes		Item			
H	Compensation Event: Yes		Item			
	5) There is a factual error in information about the Site or setting out information in the Works Requirements. (This does not include an error of interpretation)					
I	Delay Event: Yes		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	Compensation Event: Yes		Item			
	6) The Employer takes over part of the Works before Substantial Completion of the Works and any relevant Section					
B	Delay Event: Yes		Item			
C	Compensation Event: Yes		Item			
	7) The Employers Representative does not give the Contractor an instruction required under sub-clause 4.5.4 within the time required under sub-clause 4.11.2 when the Contractor has asked for the instruction in accordance with sub-clause 4.11.1					
D	Delay Event: Yes		Item			
E	Compensation Event: Yes		Item			
	8) The Employer does not allow the Contractor to occupy and use part of the Site in accordance with sub-clause 7.1					
F	Delay Event: Yes		Item			
G	Compensation Event: Yes		Item			
	9) The Employer does not give the Contractor a Works Item or other thing as required by the Contract when the Contractor has asked for it in accordance with sub-clause 4.11.1					
H	Delay Event: Yes		Item			
I	Compensation Event: Yes		Item			
	10) Employers Personnel working on the Site under clause 7.6 interfere with the execution of the Works on the Site, and the interference is unforeseeable and not in accordance with the Contract					
J	Delay Event: Yes		Item			
K	Compensation Event: Yes		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	11) The Employer instructs the Contractor under sub-clause 3.2.3 to rectify loss of or damage to Risk Items for which the Contractor is not responsible					
A	Delay Event: Yes		Item			
B	Compensation Event: Yes		Item			
	12) Loss of or damage to the Works that is at the Contractor's risk in accordance with sub-clause 3.2					
C	Delay Event: Yes		Item			
D	Compensation Event: No		Item			
	13) A weather event as described below					
E	Delay Event: Yes		Item			
F	Compensation Event: No		Item			
	14) A strike or lockout affecting the construction industry generally or a significant part of it, and not confined to employees of the Contractor or any Contractor's Personnel					
G	Delay Event: Yes		Item			
H	Compensation Event: No		Item			
	15) Delay to the Works caused by the order or other act of a court or other public authority exercising authority under Law, that did not arise as a result of or in connection with an act, omission or breach of Legal Requirements of the Contractor or the Contractor's Personnel or a breach of the Contract by the Contractor					
I	Delay Event: Yes		Item			
J	Compensation Event: No		Item			
	16) A breach by the Employer of the Contract delaying the Works that is not listed elsewhere in this table					
K	Delay Event: Yes		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	Compensation Event: Yes		Item			
	17) A difference between the Contract value of the Works according to the quantities and descriptions in a Bill of Quantities in the Pricing Document, if there is one, (talking into account the method of measurement and any amendments identified below) and the Contract value of the Works described in the Works Requirements, because the Bill of Quantities, when compared with the Works Requirements					
	includes an incorrect quantity or					
	includes an item that should not or have been included or					
	excludes an item that should have been included or					
	gives an incorrect item description					
	and the difference for an item in, or that should have been in, in the Bill of Quantities is more than €500.					
B	Delay Event: No		Item			
C	Compensation Event: Yes		Item			
	18. An Item of archaeological interest or human remains is found on the Site, and it was unforeseeable					
D	Delay Event: Yes		Item			
E	Compensation Event: Yes		Item			
	19. The Contractor encounters on the Site unforeseeable ground conditions or man-made obstructions in the ground, other than Utilities					
F	Delay Event: Yes		Item			
G	Compensation Event: Yes		Item			
	20. The Contractor encounters unforeseeable Utilities in the ground on the Site					
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	Delay Event: Yes		Item			
B	Compensation Event: Yes		Item			
	21. Owners of Utilities on the Site do not relocate or disconnect Utilities as stated in the Works Requirements, when the Contractor has complied with their procedures in the Contract, and this failure is unforeseeable					
C	Delay Event: Yes		Item			
D	Compensation Event: No		Item			
	In the above table					
	Utilities means conducting media and the apparatus for water, sewage, electricity, gas, oil, telecommunications, data, steam, air, or other services, and associated apparatus and structures.					
	A condition, circumstance or occurrence is unforeseeable if an experienced Contractor tendering for the Works could not have reasonably foreseen it on the Designated Date, having inspected the Site and its surroundings and having satisfied itself, insofar as practicable and taking into account any information in connection with the Site provided by the Employer, as to all matters concerning the Site, including its form and nature and its geotechnical, hydrological and climatic conditions.					
	WE 1.0 is the document entitled Weather Events WE 1.0 published on www.constructionprocurement.gov.ie on the Designated Date					
	A weather measurement for a month means each of the following:					
	the number of days in the month with rainfall exceeding 10 mm					
	the number of days with minimum air temperature less than 0 degrees Celsius and					
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	the number of days with maximum mean 10 minute wind speed exceeding 15 meters per second as recorded at Valentia weather station					
	If no weather station is named above, the Met Eireann weather station nearest the Site is used. If the weather station named or the nearest one, does not record the weather measurements, the station nearest the Site that records the weather measurement is used.					
	A weather event is when in a month between the Starting Date and the Date for Substantial Completion of the Works a weather measurement exceeds the number of days for the same item, the same weather station and the corresponding month in We 1.0					
	If a weather event occurs in a month and there is to be an extension to a Date for Substantial Completion under sub-clause 9.3.2 , the amount of the extension is the lesser of (a) the extension to be made under sub-clause 9.3.2 and (b) the difference between the weather measurement and the number of days for the corresponding item in We 1.0 . No day is counted for more than one weather measurement.					
	An order or act of a court or other public authority excerising authority under Law includes a Covid-19 mandatory closure					
	In sub-clause 9.4					
A	The First Threshold is 20 Site working days of delay caused by Compensation Events		Item			
B	The Second Threshold is 20 Site working days of delay caused by Compensation Events		Item			
	The definition of craftspersons in part 2E (for sub-clause 10.6.4(1) includes the following additional categories: Electrican, plumber, carpenter and blocklayer					

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	In Sub-clause 10.6.4(3) the rates to be used to determine the cost of plant are the rates in					
	Not Applicable					
	In sub-clause 10.7					
A	The amount to be added for delay cost is the daily rate tendered by the Contractor in the Schedule part 2D (sub-clause 10.7.1(2))		Item			
	For the purposes of sub-clause 10.7					
B	For the purposes of sub-clause 10.7 , the Contractor is to tender in part 2D a single daily rate for delay costs/		Item			
C	..Not Applicable ...		Item			
D	..Not Applicable ...		Item			
E	..Not Applicable ...		Item			
	(Sub-clause 10.7.1(2) applies, Contractor is to tender a single daily rate)					
	L. Payment Particulars(Clause 11)					
F	Period for interim payment is: 'monthly'		Item			
G	Minimum amount for interim payments, except release of retention, €..5,000.00..... (if none stated, there is no minimum.)		Item			
H	Up to the percentage stated below of the Contract value of the following unfixed Works Items may be included in an interim payment in accordance with sub clause 11.2		Item			
I	.On -Site Materials; General building materials to be incorporated into the project - 90% of Contract value		Item			
J	.Off -Site Materials with Bond 90% of Contract value		Item			
K	The retention percentage is 3%		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	M. Cap on Liability (Sub-clause 3.10)					
A	Subject to sub-clause 3.10.2 of the Conditons of the Contract, the monetary amount of the Contractor's liability to the Employer unuder or arising out of this Contract shall not exceed the amount stated below		Item			
B	The Contract Sum					
	N. Conciliation and Arbitration(Sub-clauses 13.1.2, 13.2 and 13.4)					
C	For the purposes of resolution of a dispute by conciliation the parties to the contract shall agree on the appointment of a Standing Conciliator		Item			
	For Contract Values in excess of €10m the appointment of a standing conciliator is mandatory					
D	Where there is a Standing Conciliator, the Standing Conciliator shall be named in Schedule Part 3C and appointment prior to the Starting Date		item			
E	The amount allowed in the Pricing Document by the Employer (which may be adjusted prior to the issue of the Letter of Acceptance where the Standing Conciliator has been identified and thei fee has been agreed) will be the entire amount recoupable by the Contractor for their share of the Standing Conciliators fee for the performance of Standing Conciliator duties, other than conciliating a dispute referred under clause 13.2. The Standing Conciliator's fees shall be shared equally between the Parties for the purposes of clauses 13.2		item			
F	Appointment of a conciliator or Standing Conciliator for the puproses of conciliating a dispute referred under clause 13.2 of the Conditions of Contract should be excuted using Model Form: MF1.16 - Appointment of Conciliator		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	Appointment of a Standing Conciliator for performance of Standing Conciliator duties, other than conciliating a dispute referred to under clause 13.2 should be executed using Model Form: MF1.18 - Appointment of Standing Conciliator		item			
	Failing agreement, the conciliator will be appointed by the President of the RIAI					
	The arbitration rules are the Capital Works Management Framework (CWMF) Arbitration Rules for use with Public Works and Construction Services Contracts (AR1) published on www.constructionprocu-rement.gov.ie/arbitration rules/ on the date 10 days before the latest date for submission of Tenders for this contract (disregarding any amendments posted on that date)					
	The person or body to appoint the arbitrator, if not agreed by the parties, is President RIAI					
B	The person to appoint the adjudicator, if not agreed by the parties, is Chairperson of the Panel of Adjudicators		item			
	O. Rights in Contractor's Documents(Sub-clause 6.4)					
	Copyright and all other rights in the following Contractor's Documents and Works Proposals described in sub-clause 6..4.2 transfers to the Employer in accordance with sub -clause 6.4. - Nil					
	P. IPI Meaures					
	CA Note: Only select "shall", where the Competition was launched AFTER the entry into force of an IPI Meaasure.					
	Sub-clause 10.10 shall not apply.					
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Informal Dispute Resolution					
A	A Project Board will be established in accordance with OGP Guidance Note 3.1.1 (available at www.constructionprocuremen-t.gov.ie). The Contractor is required to select one board member; the Employer will select one other board member. Schedule Part 3A of the Contract requires three form fields to be completed by the successful tenderer in response to the Letter of Intent		Item			
B	Any agreement reached by the Project Board involving additional expenditure, will be provisional and subject to approval by the Department of Education and Skills (the Funding Authority).		Item			
	Bill of Quantities; Method of Measurement					
C	This Elemental Bill of Quantities has been measured in accordance with the Agreed Rules of Measurement (ARM 4) and ARM 4 Supplements as prepared by the Joint Committee established by the Construction Industry Federation and the Society of Chartered Surveyors		Note			
	Bill of Quantities; Format					
D	The Bills of Quantities are set out in Elemental form in accordance with the National Standard Building Elements, 3rd edition, 1993 and published by An Foras Forbartha		note			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Extension of Time					
A	The Contract provides for extension of time for legitimate causes. To enable the Contractor to demonstrate the legitimacy of causes for which he makes claims for such extension, he must present his time schedule, in the form of a Bar Chart and accompanied by the Network Analysis to the Employer's Representative. Operations which cannot be carried out continuously by the same group of workmen must not be shown as one activity on this bar chart. Each time any delay is awarded by the Employer's Representative the bar chart must be amended by the Contractor and presented again in its revised form. This must also be done whenever the current bar chart is rendered obsolete due to any circumstances.		Item			
B	Delays will not be granted for routine or trivial hold-ups such as invariably occur in the course of any Contract. Allowances for these must be built into the programme. For example, claims will not be allowed for bad weather if this is normal for the time of year.		Item			
	Change Orders					
C	A "Change Order" shall be deemed to be an alternative arising from the Architect's instructions to the extent or quality of the works as expressed or implied in the contract documents. All change orders shall be issued by the Employer's Representative only. No payment will be made to the Main Contractor in respect of work for which a change order is issued by any person other than the Employer's Representative.		Note			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Meaning of Substantial Completion					
A	'Substantial Completion' means that the Works have been carried to such a stage that they can be taken over and used by the Employer for their intended purpose and that any items of work or supply then outstanding or any defects then patent are of a trivial nature only and are such that their completion or rectification does not interfere with or interrupt such use.		Note			
	Examples of outstanding work are as follows :-					
B	1. Work of a remedial or corrective nature		Note			
C	2. Surface mounted fittings and equipment not part of the fabric		Note			
D	3. Work which is deliberately being postponed until the last possible moment before occupation		Note			
E	4. Cleaning and tidying up		Note			
F	5. Removal of plant, site accommodation etc.		Note			
G	The Employer's Representative will not give a certificate of substantial completion without having had a positive written assurance from the Contractor that all the above excepted works will be completed within the four weeks following. Under no circumstances will the Employer's Representative agree to the deferment of work in category 1 until after the occupation date, or to treating this work as part of the making good of defects which may arise later, during the defects liability period.		Item			
H	The works shall be deemed to have finally completed only when all outstanding items of work as above described and all work postponed on the written instructions of the Employer's Representative have been finished and all defects, shrinkages and other faults for which the Contractor is liable have been made good.		Item			

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Guarantee Bond					
A	The Contractor Shall note the the bond will be a percentage of the Contract Sum inclusive of Value Added Tax		Item			
B	The Contractor shall obtain from an approved Company or Society registered within the state a Guarantee Bond for the due and proper completion of the Contract and shall pay all premiums and fees required for same. The amount of the Guarantee Bond shall cover a sum equal to 12.50% of the estimated total value of the work up to Substantial Completion and 6.25% for 450 days after. This Guarantee Bond must be completed within TEN days of notice being given by the Employer's Representative that a Bond is required. No work may be commenced before the Bond is completed. If a delay in completing the Bond results in a delay in the signing of the Contract, the time for completion will not be extended as a result of such delay. The expiry date of the Bond is a minimum of eighteen months after the date of the issue of the Certificate of Substantial Completion. If a Bond is not required the amount included in the tender for this item will be deducted to determine the Contract Sum. It is essential that the amount included for the Bond be shown separately (Amount to be included for Bond to be inserted in the Summary of the Bill of Quantities).		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	V.A.T.					
A	All items in this Bill of Quantities should be priced exclusive of the cost of Value Added Tax. Provision is made at the end of the General Summary for the addition of V.A.T. The addition of Value Added Tax, shall be adjustable pro rata to the amount of the Final Account before Tax. It shall be calculated at 13.50% of such amount or at such other rates as may be properly decided by the Revenue Commissioners under the powers vested in them by the Value Added Tax 1972 but shall exclude any overpayments made or penalties incurred under the Act		Item			
	2.2 Contractor's liability					
B	Refer 2. Contract		note			
	2.3 Employer's liability					
C	Refer 2. Contract		note			
	2.4 Local Authorities fees and charges					
D	The Contractor shall incude for all costs associated with Local Authorities fees and charges for the Works.		Item			
E	The contractor shall pay all road opening licences associated with works on public roadway and include for all cost associated with same		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	2.5 Obligations and restrictions imposed by the Employer:-					
	2.5 a Access to and possession or use of the site					
	Access and possession etc					
A	The proposed construction access to the site for the construction of the new school joined extension will be via the existing access off Dromkeen West. The contractor will be required to obtain any relevant consents for any new works at the Dromkeen West entrance to the school including associated footpath adjustments from the local authority. The contractor shall erect a suitable secure solid hoarding min. 2.4M high to separate the construction site from the immediate live school environment during both Works Sections. This solid hoarding shall wholly encompass the Works Section 1E shown in figure 2 below.		Item			
B	Suitable fully secure fencing with adequate concrete base supports and robust HDPE high privacy green mesh fixed on the school side of the fence to be used to wholly define the contractors site area in Works Sections 1A, 1B and 1C.		Item			
C	The Construction Management Plan shall contain exact location of the site compound including site access and egress points, location of temporary site accommodation, location of contractor car parking, location of unloading and storage areas, traffic and pedestrian routes.		Item			
D	Access to the existing school and the GAA grounds must be maintained at all stages throughout the works		Item			
E	The area outside the existing school is very busy during collection and drop of times. Contractors must familiar themselves with the above one way arrangement and avoid any construction or personnel traffic to and from the site during these times.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	Work activity shall be planned to avoid use of, or presence of plant and equipment on the public roads & site roads during periods where parents are delivering or collecting children from school.		Item			
B	Access to and possession of the site is indicated on Architect's Site Plan 20057-OPP-01-00-DR-A-004 for each work section		Item			
C	the construction will be phased. Construction access to the site will be via the main road through exisiting main school entrance. The contractor shall access the works also through this route. The contractor must maintain a safe traffic & pedestrian route along the existing roadway and within the site during all construction phases. The construction shall note the implication of one-way systems through out each phase and shall be responsible for implementing same throughout the works. The contractor shall be required to prepare a detailed traffic managment plan and implement same. The contractor shall note the alterations to the access route for each work sections and include all costs associated with same including temporary roads and paths as necessary to provide safe access to the existing school and GAA pitch		Item			
D	The construction programme must allow the existing school and GAA grounds to remain in operation while the new extension is constructed. Access to GAA grounds to be provided for throughout all phases of the works		Item			

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	Construction traffic must be managed to occur outside of the peak school hours and surrounding network peak periods. The construction management plan must ensure that arrivals and departures are managed to ensure that it does not impact negatively on the local road network. The contractor must provide a full time flagman to assist vehicles exiting onto the public road; refer to the Preliminary Health and Safety Plan for further details and requirements in relation to access, possession and traffic management		Item			
B	The site must not be used for any purpose other than carrying out the works		Item			
C	Provide for performing the work in such a manner as to cause the minimum interference with the occupants of the properties and lands adjoining the site which shall remain occupied and functioning during the execution of the work. The Contractor shall therefore take necessary precautions to protect the buildings and occupants from dust, excessive noise and other interference arising from the work.		Item			
D	The Contractor shall take all necessary precautions to minimise the dust within the work area, and should ensure that no dust spreads outside into areas outside the control of the Contractor.		Item			
E	All items of plant, which have a potential to create excess noise when being used, are to be fitted with proper noise attenuaters.		Item			
F	The Contractor shall consult the convenience of anybody who may be affected by the Works with regard to suitable times for carrying out the works, making deliveries, etc.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	The Contractor must obtain permission from the relevant Local Authority to enable him to make connections to the public mains. Pay all costs and charges in connection with same and make good all work disturbed to the satisfaction of the Local Authority Engineers. This includes the provision of Road Opening Licences as required for works on public roadways		Item			
B	The Contractor must maintain at all times clear and safe access and egress for construction personnel using the site and members of the public using the public/ school roads or in a visiting capacity to site.		Item			
C	Existing landscaping, planting etc. to be maintained and protected throughout the works; any damage to same during the duration of the works to be made good by the contractor		Item			
D	PSCS shall prepare a site-specific Traffic Management Plan for carrying out the works. Ensure that works are planned to take into consideration delivery & collection times at adjacent school, ensure safe pedestrian and traffic movements, ensuring separation at all times between construction activities and members of the public at large.		Item			
E	PSCS shall liaise with Kerry County Council prior to commencement of works. The site-specific Traffic Management Plan shall identify;		Item			
F	Controls to prevent the spillage or deposit of clay, rubble or other debris on adjoining public roads during the course of any construction.		Item			
G	Suitable facilities for vehicle cleansing and wheel washing		Item			
H	On-site car parking facilities.		Item			

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	Construction activity outside the site must be carefully planned, e.g. delivery or removal of plant etc. Where site works are to be carried out outside the designated site boundary, all necessary precautions must be taken to ensure the Health & Safety of the public / third parties, in addition disruption to existing circulation routes are to be kept to an absolute minimum.		Item			
B	Provide a flagman to safely direct vehicles onto, and off, the site		Item			
C	Ensure that adequate security arrangements are in place to ensure unauthorized personnel are kept off the work site.		Item			
D	Planning Restrictions: The contractor shall include for all costs associated with complying with the planning conditions as included in information pack		Item			
	Access for Employer's Representative and Workshops					
E	The Employer's Representative and any person authorised by him shall at all reasonable times have access to the works and to the site and to all workshops and places where work is being prepared or whence materials, manufactured articles and machinery are being obtained for the works and the Contractor shall afford every facility for and every assistance in or in obtaining the right to such access		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Notice to Employer's Representative for Inspection					
A	Before placing foundations, laying drains, filling trenches, pouring reinforced concrete and otherwise proceeding with work that will cover and conceal previous work, the Contractor shall give early notice in writing to the Employer's Representative and shall afford him an opportunity of inspecting the previous work. Approvals given at such inspections will not relieve the Contractor for full responsibility for the quality of the work throughout.		Item			
	Commencement of Work					
B	Inform the Employer's Representative at least five working days before the proposed date for commencement of work on site		Item			
	2.5 b Limitations of working space					
	Working space					
C	The site boundaries are as indicated on Architects Proposed Site Plan Drawing Nr. 20057-OPP-01-00-DR-A-003 & Site - Works sections and Contractors Compound Layout 20057-OPP-01-00-DR-A-0004 and the contractor shall confine his operation to that area of the site and include all works including parking and deliveries within the required site hoarding/ boundaries.		Item			
D	The Contractor shall note that construction works and space available shall be required to be confined to the site compound as illustrated on these drawings and varies between works sections		Item			

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Parking					
A	All vehicles are to be parked within the site boundary and within the site compounds for the duration of the contract. A suitable durable surface shall be provided for temporary car parking facilities for contractors personnel, subcontractors personnel and five visitors to the site.		Item			
B	Parking along the sides of the public roads, or outside the site boundary is strictly prohibited.		Item			
C	The Contractor shall at all times during the execution, completion and maintenance of the works keep open and free from obstruction or nuisance of any description, all existing car-parks, roads, laneways, footpaths or other means of communication within, adjacent to or near the site or affected by the works, and shall keep free from obstruction all open spaces in the vicinity of the works other than the space allotted to him within the site boundary. The Contractor shall so arrange to carry out the work in a manner that will cause the least possible interference with the flow of traffic on all existing routes. Compliance with this requirement will be strictly enforced.		Item			
D	The Contractor is to highlight at tender stage any disruption which he envisages to such areas during the works and clearly state in a method statement on how they will overcome such disruptions, confirming the duration of such disruptions at the time of tender.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	2.5 c Limitations of working hours					
	Working hours					
A	The Contractor shall ensure that the Contractor's personnel work only on site during the working times as set out in the Works requirements, planning conditions & Preliminary health & safety plan. The Contractor shall not execute work outside normal working hours without prior consent of the Employer's Representative		item			
B	Contractor to allow for consulting the convenience of anybody who may be affected by the Works with regard to suitable times for carrying out works, making deliveries, etc. and include all necessary costs associated in complying with this requirement. Except with prior approval, the Contractor will only be allowed to carry out work on site between the hours of:		item			
C	Mon to Fri - 8am to 5.30pm		item			
D	Sat 8am - 2pm		item			
E	Work activity shall be planned to avoid use of, or presence of plant and equipment on the public roads during periods where parents are delivering or collecting children from school.		item			
F	Overtime shall not be worked without prior written permission from the 'Employers Representative'. In the case of any night work, or work outside the ordinary hours, being carried out by the contractor, ten clear days notice shall be given in writing by the contractor to the 'Employers Representative', so that the latter may arrange supervision. Any overtime and night work carried out without such notice shall not be deemed to be work done under this contract and shall not be measured up for the purposes of certification. Any work so done and covered up shall be opened up at the Contractor's own expense for inspection.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	Site deliveries will not be permitted during school drop of and pick up times -		Item			
B	Mon to Fri 8.15am to 9.15am and 3pm to 4pm		Item			
C	During school holidays and with prior arrangement with the school these times may vary/not be relevant		Item			
	2.5 d The use or disposal of any material found on site					
	Materials etc. found on site					
D	All fossils, coins, articles, structures and other remains or things discovered on the Site of the Works shall be the absolute property of the Employer. The Contractor shall take all precautions to prevent his workpeople or any other persons from removing or damaging any such articles or things, and shall immediately upon discovery thereof and before removal acquaint the Employer's Representative of such discovery and except insofar as is provided under this Contract for the removal and disposal of rubble, rubbish demolished materials etc., shall carry out at the expense of the Employer, the Employer's Representative orders as to the disposal of same		Item			
	2.5 e Hoardings, fences, screens, temporary roofs, temporary name boards and advertising rights					
	Hoardings etc.					
E	The extent of the site area is clearly defined on the Architects Proposed Site Plan drawing. The Contractor shall mark all boundaries with warning signs to make clear that access to third parties is not allowed. Cattle may be present on adjoining boundaries and temporary fencing and hoarding must be robust.		Item			

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	The contractor shall 2.4m high solid hoarding with independent posts to all boundaries. Hoarding not to be fixed to existing fencing. All hoarding shall be to the contractors temporary works design and coordinated with the PSDP		Item			
B	Where it is necessary to open trenches or carry out other work outside the hoarding line, the location of the work and its associated dangers shall be clearly identified. If it necessary to leave excavations or incomplete ground works in place outside working hours that may present a threat to third parties the Works shall be fenced off, marked with warning signs and provided with warning lights. All works to be agreed with Kerry County Council or appropriate third party.		Item			
C	Provide temporary fencing, hoardings, dust screens, fans, planked footways, guard rails, and the like as may be necessary for protecting the public for the proper execution of the works and for effectively enclosing and protecting the site against trespass and interference. Include for all alterations, modifications and maintenance as necessary during the work. Obtain approval from the Employer's Representative for all temporary hoardings and fences and comply with the requirements of the Local Authority.		Item			
D	The Contractor is to provide well secured plywood boarded site hoarding; 2.4m high; hoarding to enclose site work areas as Architect's Site Plan; allow for all relocation of hoardings as required and making good; removing from site on completion of the works and making good to all grounds and grass disturbed, as indicated on Architects drawings and specifications. The contractor shall include for all alterations and relocation of hoardings as necessary between each works section as highlighted on Architects drawing 20057-OPP-01-00-DR-A-0004		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	The Contractor is to provide well secured gated construction site access; removing from site on completion of the works and making good to all grounds and grass disturbed		Item			
	Site Sign Board					
B	Provide for a site sign board to take name of Employer / Project, Main Contractor, Reserved Specialists and Consultants named in front cover of this Bill of Quantities and prepared by a professional signwriting company; Signage material to be 2.5mm aluminum to comply with Transport Infrastructure Ireland Specification for Road Works Series 1200 - Traffic Signs and Road Markings.; size to be 1220 x 2200mm with galvanised steel supports and foundations; The sign shall be in accordance with the Architects drawings and specifications, refer to Architects drawings for further details of sign and images; include for all associated excavation and foundations as necessary; contractor to allow for removal on completion to the works and all associated making goods		Item			
C	The contractor shall be responsible for temporary works design for the site sign and all associated costs		Item			
D	The Contractor is to allow in his tender for the cost of maintaining and keeping the site sign board in a clean and presentable condition throughout the contract period. Include for dismantling same on completion of contract; returning Employer and Consultants' name boards in a good and clean condition; making good all work disturbed to the satisfaction of the Employer's Representative.		Item			
	Advertisements					
E	No temporary or permanent advertisements will be permitted on the Works.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	2.5 f The maintenance of existing services on or over the site					
A	The site may contain various services which will have to be diverted/ maintained and removed throughout the various construction phases/ works sections. Prior to commencing work on site the Contractor shall agree a Programme for carrying out the diversion work for all cables and services so as not to interfere with the operations of the existing school. No Claim for extension of time or disruption will be entertained arising from the Contractor's failure to make suitable arrangements with the Employer and all Services Authorities involved in this regard. The Contractor shall clearly mark all cables and pipes and protect before moving or diverting. The Contractor is to include for giving notices to the appropriate Authorities for disconnection and reconnection of services and all costs in connection therewith. If any of the services to adjacent buildings are interfered with or damaged then the Contractor will be required to pay all costs in connection therewith. All existing live services which cross the site are to be maintained during the execution of the work		Item			
B	The contractor must obtain up-to-date set of drawings from the utility services provider.		Item			
C	Eircom lines feed adjacent dwellings and the national school. PSCS shall put in place appropriate control measures to protect all utility services. Hand digging method or any other alternative method shall be used.		Item			
D	The contractor must obtain up-to-date set of drawings from the utility services provider.		Item			

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	The Contractor shall keep detailed written records of any areas opened up and testing carried out. These records are to have a written description of the relation to existing elements of the structure. Additionally, details of what was discovered and the procedure that followed as a result. These records to be handed over to the Employer's Representative and Quantity Surveyor at site meetings.		Item			
B	The Contractor is to carry out a full services survey of the site prior to commencing works to confirm locations of utilities if available further to survey contractor may connect to existing water and sewer connections for the construction works.		Item			
C	The Contractor shall be deemed to have reviewed all available information on the existing site services and have visited the site during the tender period to review site services.		Item			
D	Drawings showing the approximate location of existing services are provided in the Design Intent drawings which accompany these documents. The drawings do not, however, show all over and underground services on the site. It is the responsibility of the Contractor to locate all existing services prior to commencing works in any area.		Item			
E	The Contractor shall liaise with all utility companies and protect all existing services on or adjacent to the site.		Item			
F	Any damage to retained services caused by the Contractor or his Sub-Contractors shall be made good at the Contractors expense.		Item			
G	The Contractor shall liaise with the relevant authorities and utilities suppliers and coordinate any diversions or outages required to carry out the works within his programme and the Period for Substantial Completion.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	Road opening licences will be required and appropriate safety measures put in place. All of these works are to be carried out in compliance with the requirements of Kerry County Council		Item			
B	The contractor shall note the existing school will remain operational throughout the works as detailed on the works sections drawings. Associated services to existing school will remain in place throughout specific phases and the contractor shall include for protection and working around same throughout the works		Item			
C	The Works Requirements include an obligation to maintain the mechanical and electrical installations, in addition to remedying defects, until the expiry of the Defects Period. This obligation shall include the provision of all consumables and disposal of used items / materials arising from the maintenance. "Consumables" shall exclude fuel for mechanical installations, the purchase of which will be undertaken outside the scope of the Works Requirements. Fuel for testing of installations shall be deemed to be the responsibility of the Contractor and to be included for in the Contract Sum.		Item			
	2.5 g The execution or completion of the work in any specific order including any coincidental work					
	Sequencing / Phasing					
D	The Contractor shall refer to the Works Requirements and Architects drawing 20057-OPP-01-00-DR-A-0004-D1-P01 for further information and details on the Phasing Requirements		Item			
E	The Contract Sum is deemed to include for any and all costs associated with providing adequate access to the Works and for maintaining same for the duration of the Works.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	The Contractor shall refer to the restrictions and limitations imposed elsewhere in the Works Requirements on hoarding lines and the Contract Sum is deemed to include for any and all costs associated with same.		Item			
B	It will remain the Contractor's responsibility to give reasonable notice of forthcoming operations that may affect third parties in order that the ER is aware of any requirements the Contractor may have and the Employer can be advised accordingly.		Item			
C	The works shall be executed in 2 Works Sections with subsections as below. To note that any carpark or internal roadway areas to be handed over in advance of the main completion date will require the below prior to issue of Partial Possession Certificate for that area.		Item			
D	Css Ancillary Certification for each of attenuation tank and petrol interceptor		Item			
E	CCTV of the installed SW and FW systems		Item			
F	As built drawings for watermain, foul and stormwater drainage systems		Item			
G	Testing and commissioning results for watermain if applicable		Item			
H	Testing and commissioning and as builts Certs for site lighting		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Works Section 1:					
	Works Section 1A TO BE DELIVERED AFTER 5 MONTHS					
A	Construct road, carparking, stone boundary wall, new boundary fence and footpaths while maintaining one way access for school vehicles. To include bypass petrol interceptor at GAA clubhouse, services, public lighting. For safety reasons, the road cannot be handed over unless the site lighting is fully certified and operational.		Item			
	Works Section 1B TO BE DELIVERED AFTER 5 MONTHS					
B	Construct new ballcourt, vehicular access point, and LPG tank base to provide carparking for school during works section 2. Do not line mark for ballcourt until works section 2. To be used for temporary managed parking by the school. Hoarding line during works section.		Item			
	Works Section 1C TO BE DELIVERED AFTER 3 MONTHS					
C	Includes new Fire Tender Access (Grasscrete), drainage, attenuation tank. Grasscrete surface is NOT TO BE USED by Construction Vehicles. In Exceptional circumstances if required IT MUST BE ADEQUATELY PROTECTED.		Item			
	Works Section 1D TO BE DELIVERED AFTER 3 WEEKS					
D	Relocate existing temporary accommodation as shown to accommodate works section 1E.		Item			
	Works Section 1E TO BE DELIVERED AFTER 16 MONTHS					
E	with building to eaves level by 10th August 2027 (after 8 months). Construct new school extension, hardstanding surroundings, and SEN outdoor spaces.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Works Section 2:					
	Works Section 2 TO BE DELIVERED AFTER 20 MONTHS.					
A	Construct new entrance footpath, setdown, carpark reconfiguration, while maintaining one way access for school vehicles, Link into all services from Works Section 1.		Item			
B	The timing and sequencing of the phased works will need to be carefully considered by the contractor and submitted to the Employers representative for consideration by the school management in advance. Some worksmay be required to be substantially carried out outside of normal school terms / operational hours of the live school environment.		Item			
C	The existing vehicular and pedestrian access to the live school environment shall be maintained (and fenced of in safe manner depending on which Works Section is active) for the use of the school and the GAA for the duration of the new school building construction.		Item			
D	Construction Activities during Exam Periods		Item			
E	The contractor shall liaise with the school in relation to construction works during exam periods. The contractor must check the dates for the state exams, leaving certificate and junior certificate, on the Department of Education & Skills' website, confirm dates and times with the school principal, and ensure that no disruption or noisy activities which may impact the exams are undertaken during exam times. The contractor will be responsible for management of same and working around the exam times each day to ensure no disruption occurs to the students while exams are taking place		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	On being granted possession of the site the Contractor shall commence and proceed with the execution of the Works in such order as may be most appropriate and in accordance with the Employer's Representative direction, drawings and specifications.		Item			
B	The contractor shall include for all associated cost of completing the work in the order specified above and in Architect's drawings and specifications		Item			
	2.5 j Temporary accommodation and facilities for use of the Employer, including heating, lighting, furnishing and attendance					
	Temporary Office/ Site Meeting Room					
C	Provide a temporary office for the use of the Employer's Representative, the Quantity Surveyor, and any other person acting on behalf of the Employer; the office shall have a floor area of not less than 16 m2, shall be substantially made, with separate toilet facilities; weatherproof and draught proof with adequate ventilation and be complete with heating and lighting, and include for attendance. The office shall have a boarded floor, a cylinder latch on the door, a drawing bench with a drawer and lock, a stool, chair and washbasin with soap and towel, shelves and presses as required. On completion the office shall be removed and the site made good.		Item			
D	The office shall have suitable chairs and a table sufficient in size to accommodate a maximum of twelve persons during their attendance at meetings		Item			
E	Include also for the supply of tea/coffee making facilities for consumption at site meetings.		Item			
F	Provide for daily maintenance to ensure the office and toilet facilities are kept hygienic, clean and in a tidy manner.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Employer's Site Representative/ Clerk of Works Site Office					
A	Provide temporary offices for the use of the Employer's Site Representative/ Clerk of Works (the Employer reserves the right to appoint Clerks of Works on this project) and any other person acting on behalf of the Employer; the office shall be for at least 2 nr persons (office space) and be complete with ventilation, heating, power, lighting, broadband, 2No. desks with lock up drawers, 2No. operator chairs, 2No. filing cabinets, drawing rack, together with small meeting table and chairs. The office shall have a boarded floor, a cylinder latch on the door.		Item			
B	The contractor shall provide the Clerk of Works with a laptop computer, Tablet Galaxy Tab S6 Elite or equivalent and mobile telephone with camera, A3 colour printer/ scanner, and thermometer.		Item			
C	On completion the office shall be removed and the site made good. The Contractor must note that this office must be provided within 2 weeks of commencing on site.		Item			
	2.5 k Telephones, Facsimiles and the like for the use of the Employer					
D	The contractor shall provide the Clerk of Works with a laptop computer, Tablet Galaxy Tab S6 Elite or equivalent and mobile telephone with camera, A3 colour printer/ scanner, and thermometer. Specifically -		Item			
E	Laptop computer to be to (i) latest specification by recognised manufacturer, minimum 14inch screen, running Windows 10 Professional 64bit operating system complete with (ii)Microsoft Office 365 and the (iii) Latest version of Autocad and (iv)Adobe Acrobat Professional for the duration of the project.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	Note: All current Software Solutions are Cloud Based Subscription Services. For software management and licencing, the Autodesk licence and the Adobe licences are to be purchased through the Employers Representatives Licences.		Item			
B	The contractor shall provide the Clerk of Works with a laptop computer, Tablet Galaxy Tab S6 Elite or equivalent and mobile telephone with camera, A3 colour printer/ scanner, and thermometer. (refer to Project Particulars for Further Details)		Item			
	(i) Laptop Computer Latest Specification by recognised manufacturer.					
C	CPU: Intel i-Series, Xeon, AMD Ryzen, Ryzen Threadripper PRO. 2.5GHz or Higher. (Highest CPU GHz recommended)		Item			
D	Memory: 16GB RAM Minimum		Item			
E	Video Display: 1680 x 1050 with true colour Minimum		Item			
F	Video Adapter: DirectX 11 capable graphics card with Shader Model 5 and a minimum of 4GB of video memory.		Item			
G	Disk Space: 30 GB free disk space (512 GB Solid State Drive Recommended) Minimum		Item			
H	.NET Framework: .NET Framework Version 4.8 or later.		Item			
I	Connectivity: Internet connection for license registration and prerequisite component download.		Item			
	Minimum specification for laptop is met by the following:					
J	HP ZBook Power G11 Mobile Workstation		Item			
K	Intel Core Ultra 7		Item			
L	155H / up to 4.8 GHz		Item			
M	Win 11 Pro		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	RTX A1000		Item			
B	32 GB RAM		Item			
C	1 TB SSD NVMe, TLC		Item			
D	16" IPS 1920 x 1200		Item			
E	Ethernet, Fast Ethernet, Gigabit Ethernet, IEEE 802.11b, IEEE 802.11a, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac, IEEE 802.11ax (Wi-Fi 6E), Bluetooth Dual-Mode		Item			
F	Wi-Fi 6E, Bluetooth 5.3 wireless card		Item			
	In addition , Contactor to allow for the below software installation on laptop on a PA basis					
G	AUTOCAD/Revit LT Suite		Item			
H	MS Office 365		Item			
I	Adobe Pro		Item			
J	Installation		Item			
K	Bag		Item			
	2.5 1 Provision of Project Supervisor Construction Stage					
L	The Contractor shall note the content of the Preliminary Safety and Health Plan contained in Works Requirements Documents. The Contractor shall include here for all costs associated with the full compliance with the requirements of this Preliminary Safety and Health Plan, including the carrying out of temporary and permanent works as required, the preparation of appropriate Method Statements; and administration etc.		Item			
M	Provide for all costs in respect of complying fully with the Safety Health and Welfare at Work (Construction) Regulations 2013 and the contractor shall include for complying with the Safety Health and Welfare at Work Acts and Regulations current at date of tender.		Item			

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	The Contractor shall include for being appointed by the client under a collateral agreement to the main contract as Project Supervisor for the Construction Stage in respect of the project pursuant to the Safety Health and Welfare at Work (Construction) Regulations 2013. The Contractor shall provide for carrying out functions of Project Supervisor (Construction Stage) pursuant to Regulations.		Item			
B	The term "temporary works" shall mean all temporary works of every kind required in or about the construction, completion, and maintenance of the works; it shall include temporary works to support and ensure the stability of the partially completed permanent works and of adjoining structures and lands, as well as such matters as trench shoring, scaffolding, propping, working platforms, gangways, access stairs and landings.		Item			
C	The Contractor must provide and maintain all necessary temporary supports, shores, etc. required during the course of the Works. The Contractor shall alter and adapt the temporary Works as necessary and shall clear them away and make good any work disturbed on completion. The Contractor will be solely responsible for the adequacy of the design of temporary supports.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	The Contractor shall appoint an approved, competent Temporary Works Designer who shall take overall design responsibility for the stability of the partially completed permanent works and of adjoining structures and lands during the envisaged construction process and, further, the main contractor shall employ suitably qualified site engineer; both shall liase with each other and the with the Project Supervisors, all in accordance with the HSA Guidelines to Safety, Health and Welfare at Work (Construction) Regulations 2013. Subject to the Employer's Representative consent, (a) on small routine projects the site engineer need not be permanently on site; an/or (b) it may be permissible for one person to fulfil both of these roles		Item			
B	The Contractor shall in consideration of the acceptance of his/her tender and by way of Collateral Agreement to the Main Contract, provide the services of Project Supervisor Construction Process within the meaning of the Safety, Health and Welfare at Work (Construction) Regulations 2013. The cost of the provision of this service shall be deemed to be included in the Contract Sum.		Item			
C	The Contractor shall in respect of all person and site activities provide for and ensure compliance with all Safety, Health and Welfare Legislation in connection with the works.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	The Contractor shall ensure that safe practices and methods of work are adopted at all times. The contractor in that capacity or in his capacity as project Supervisor Construction Process shall notify the Employer's Representative in writing prior to the submission of his tender if he considers any requirement relating to the time for carrying out the works or any part of the works or the design of the work or specification of materials render work methods or procedures necessarily hazardous or in any way prevent the works from being safely carried out. The Contractor shall bear all costs arising out of his failure to give notice of foreseeable matters in this regard.		Item			
B	The Contractor shall include for procuring that the insurance cover required to be obtained and maintained by the contractor pursuant to the Clauses of the main contract indemnity in respect of any claim for bodily injury or property damage which the contractor may incur by reason of the performance of the functions and duties of the Project Supervisor for the construction Process of the project.		Item			
C	The Contractor shall coordinate arrangements between all contractors to ensure the provision, in writing, of such information as is necessary for the Project Supervisor Design Process to complete the safety file, and shall monitor the implementation of the arrangements and take any necessary corrective action as set out in the Regulations.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	The Contractor shall include for providing all necessary information by electronic and hardcopy as requested by the Project Supervisor for the Construction Process to enable the preparation and completion of the Safety File excluding drawings and specifications which shall be provided by the appropriate member of the design team and relevant sub-contractors. The contractor shall allow for all costs associated with preparing eight copies of the Safety File.		Item			
B	Provide for all costs in respect of complying fully with the European Communities (Protection of Workers) (Exposure to Asbestos) Regulations, 1989 to 2000		Item			
C	The contractor shall include for providing assistance to the appropriate member of the design team in providing the latest issue of construction drawings for inclusion in the Safety File.		Item			
D	Th minimum information required from the Main Contractor for completion of the Safety File includes the following:		Item			
E	(a) Details of services, plant, and the project equipment, which comprise part of the structure, from specialist supply and installation contractors, as well as from statutory bodies and local authorities where appropriate		Item			
F	(b) Manuals, and where appropriate certificates, produced by the specialist contractors and suppliers which outline operating and maintenance procedures and schedules for all plant and equipment		Item			
G	(c) Accurate site survey drawings of the as-constructed location and layout of all utilities and services, including drainage, water mains and emergency and fire-fighting systems		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Safety File					
A	On completion of the Works, the Contractor shall hand over to the ER, for transmission to the PSDP, three copies of all information developed or obtained by the Contractor (except for Contract documentation issued to him by the ER) and relevant to the preparation of the Safety File for the project - refer to Appendices for further information on required contents of the Safety File that the Contractor will be required to co-operate in the compilation of by providing relevant information in his possession.		Item			
B	The Contractor shall co-operate with the PSDP in the preparation of the Safety File and shall provide all relevant documentation in his possession, including all technical manuals and materials safety sheets. The Employer will be unable to take possession of the Works ('Substantial Completion' stage) unless he has received the information and documentation required to allow the Employer comply with his duties in respect of the safe operation of the premises under relevant statutory provisions		Item			
C	O and M manuals must be accompanied by warranties with site inspection based guarantees. Guarantees from the manufacturer/manufacturer's representative in Ireland that are not site inspection based (i.e. they must not be generic) for the following will not be accepted (Warranties should commence from the date of substiantial completion):		Item			
D	Built up and flat Roofs		Item			
E	Windows, curtain walling and external doors		Item			
F	Cladding		Item			
G	Floor finishes		Item			
H	Plasterboard walls and ceilings		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	Suspended ceilings		Item			
B	Ironmongery		Item			
C	Sanitary ware		Item			
D	Fire rated hardwood and glass screens		Item			
E	Internal doors		Item			
F	Radon barrier and tanking		Item			
G	Firestopping and Fire proofing		Item			
H	Acoustic blockwork		Item			
I	Mechanical and Electrical equipment		Item			
J	lifts		Item			
	Designers Risk Assessment					
K	The Contractor's designers (including those of sub-contractors) will be required to make the necessary risk assessments in respect of Contractor's design items and insert them in the Safety Plan before commencement of the appropriate section of the Works. Reference shall be made back to the Project Supervisor (Design Process) as design development or major changes to design occur.		Item			
L	The Contractor is to consider and make provision to minimise the identified risk and any other risk as may arise and be reasonably foreseeable during the construction phase. The Designer's list is be an exhaustive list and the contractor shall exercise due care and diligence throughout the Works and liaise with the Project Supervisor (Design Process) as design development, major changes to design or design amendments that may affect Safety and Health arise.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Contractors Method Statement					
A	The Contractor shall provide the following statements prior to commencement of Works likely to involve any of the hazards listed. This is not intended to be an exhaustive list and the Contractor shall also develop the list as circumstances require:		Item			
B	a. On site and Access to the Site traffic management Plans		Item			
C	b. Liaison with School principal on daily operations/set down and pick up at the existing school		Item			
D	c. Working at height.		Item			
E	d. Hot work.		Item			
F	e. Manual handling.		Item			
G	f. Minimising the risk of slips, trips and falls		Item			
H	g. Protection measures necessary to safeguard eyesight, hearing respiratory systems, body parts.		Item			
	Materials Risk Assessments					
I	The Contractor is to provide risk assessments for all materials subject to control under the following statutory instruments applicable to construction sites.		Item			
J	a. Safety, Health and Welfare at Work (Carcinogen) Regulations 1993 S.I. No. 80.		Item			
K	b. European Communities (Protection of Workers) (Exposure to Asbestos) Regulations 1989 S.I. No. 34 - amended 1993 S.I. 276.		Item			
L	c. European Communities (Protection of Workers) (Exposure to Lead) Regulations 1988 S.I. No. 157.		Item			

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	d. European Communities (Protection of Workers) (Exposure to Noise) Regulations 1990 S.I. No. 157.		Item			
B	e. European Communities (Protection of Workers) (Exposure to Chemical, Physical and Biological Agents) Regulations 1989 S.I. No. 251.		Item			
C	f. European Communities (Classification, Packaging and Labelling of Dangerous Preparations) Regulations 1995 S.I. No. 272.		Item			
D	g. European Communities (Classification, Packaging and Labelling of Dangerous Substances) Regulations 1994 S.I. No. 77.		Item			
E	The materials specified for use on this project are identified with the tender documentation. There is not an exhaustive list of general or particular material risks. The Contractor shall make his own assessment from the tender documentation or any future changes to the Works Requirements.		Item			
	Site Rules					
F	A number of specific site rules are brought to the attention of the Contractor. Variations or amendments to these must be agreed by ER and the Project Supervisor for the Construction Stage, otherwise they are to be applied to site operations in full. The Contractor shall draw up an appropriate list of rules covering site safety and personnel and submit it for discussion to the Project Supervisor for the Design Stage.		Item			
G	a. Define and maintain safe secure access to the site.		Item			
H	b. Do not impede access to the neighbouring school, residences or agricultural lands		Item			
I	c. Fence off site from unauthorised including livestock access.		Item			

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	Variations to the above will be accepted subject to an agreed procedure to ensure a satisfactory level of site control and safety management is maintained at all times. 'Agreed procedure' means a procedure that is acceptable to the ER.		Item			
	Safety and Avoidance of Nuisance					
B	All work shall be performed in such a manner as to ensure the safety of the Works and the public and so as to cause as little inconvenience as possible to the public and adjoining buildings and their users. Debris shall be regularly watered to prevent the spread of dust. The Contractor shall be liable for any claims arising from failure to observe the above requirements.		Item			
	Typical information required to be handed over to the Employers Representative on completion of the project and to be made available to the PSDP to allow completion of the Safety File					
C	a. Identification of and locations of all potentially hazardous materials (eg certain insulation materials, two pack and other special paint coatings) and installations and the procedures to be followed in order to minimize the associated risks:		Item			
D	i) in the daily use of the building or structure		Item			
E	ii) when maintenance, repair, refurbishment or replacement of the materials or installations is to be undertaken.		Item			
F	b. Marked up construction drawings showing how the work was built where it differs from the requirements shown on the drawings issued to the Contractor. Information may be provided in the format of drawings marked up by hand in sufficient detail to allow the design staff to prepare the 'as built' drawings.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	c. Specifications and details of pipe and cable run layouts and fixed systems. Information may be provided in the format of drawings marked up by hand in sufficient detail to allow the design staff to prepare the 'as built' drawings.		Item			
B	d. Details of fixed equipment and systems including charts and manuals specifying the operating procedures and maintenance requirements and procedures.		Item			
C	e. Test and commissioning certificates for mechanical and electrical installations installed or altered as part of the Works.		Item			
D	f. Design criteria, where design work formed part of the Contract, for structural elements and for electrical and mechanical systems.		Item			
E	g. Details of existing services and utilities encountered - either underground or in buildings - during the course of the Works, stating their location and describing them.		Item			
	2.5 m Other obligations and restrictions imposed by the Employer:-					
	Contractors All Risk Insurance					
F	The Contractor shall indemnify the KETB against all claims arising from the execution of the Works that are the subject of the Contract and shall maintain all necessary insurances for the duration of the Contract, all in accordance with the requirements of Clause 3 of the Conditions of Contract. The Contractor shall provide evidence to the Employer that all insurances required by the Conditions of Contract are in place prior to the commencement of work. The insurances shall be kept in place for the periods required by the Conditions of Contract.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	The "All - Risks" insurance policy shall provide insurance cover of an amount not less than the total contract amount plus a minimum of 30% to allow for Value Added Tax, fees and site clearance costs. The "All Risks" policy shall name KETB as a "co-insured".		Item			
B	Particular attention is drawn to the provisions requiring the All-Risks and the Public Liability policies to name the Employer as "co-insured" and for the Contractors policy providing Employers Liability cover to indemnify the Employer against the same liability that is provided by the policy for the Contractor.		Item			
C	Any tenderer asked to provide evidence of having, or being able to get, the required insurances shall be required, as a minimum, to provide a statement undertaking to procure the insurances immediately upon entering into a Contract and a further statement from a bona-fide insurance broker that such insurances will be available to the Contractor. A tenderer failing to meet this requirement shall be excluded from further consideration and their tender deemed to have been withdrawn		Item			
D	Tenderers shall be required to have Employers Liability insurance cover regardless of whether they directly employ labour or not.		Item			
	Training of Employers staff					
E	Before Substantial Completion, or at a date thereafter agreed before Substantial Completion with the ER, explain and demonstrate to the Employer's maintenance staff the purpose, function and operation of the installations including all items and procedures listed in the Building Manual. Include for not less than operating days for this purpose. The Contractor shall ensure that full instruction to the Employer's staff is given to at least 3 nr individuals and is signed off as having been received.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Site Records and Quality Procedure					
A	Provide for maintaining a full set of site records of all labour, materials and plant used on the Works to the approval of the ER. These should be issued to the ER every two weeks as part of the Contractors report.		Item			
B	If no quality system is in operation the Contractor / Sub-contractor must comply with the following minimum requirements:-		Item			
C	a. Identify the personnel responsible for the project management, site management, safety, and for inspection and testing of the works and for the verification of such tests.		Item			
D	b. Ensure that an adequate document control procedure is in place for the project which will ensure that a drawing register is maintained to record details of all drawings received relating to the project, including revision status, and their circulation recorded.		Item			
E	c. Have clear purchasing procedures which will document individual orders for all materials to be incorporated in the project. Such documentation or purchase order should incorporate the project number and date of order, the supplier's name, address, description of materials including requirements to confirm to European standards.		Item			
F	d. All deliveries to site must be checked by a designated person and materials not meeting specifications to be identified, segregated where practical and details of non-confirming product and the remedial action to be taken and recorded.		Item			
G	e. Provide evidence to the ER if required of specialised training of site personnel.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	f) Provide schedule of inspection and test to the ER which will list the relevant tests, the persons responsible for carrying out the tests and the personnel responsible for verifying that the tests have been carried out.		Item			
B	The Contractor is to provide fortnightly photographic records of the progress of the Works. The Contractor must issue A4 format prints for the ERs information accompanied by a key plan and the location reference, photograph number, date taken and issue date for the photograph.					
	Covid - 19					
C	The Contractor is obliged to fully consider the effects of the Covid-19 pandemic when tendering for this project. The Contractor and PSCS must ensure procedures on site adhere to Health & Safety at Work Regulations, HSE guidance and any other Government guidance relating to Covid-19. Tenderers should fully consider the Safety Operational Procedures (SOPs) issued by the CIF. All associated costs are to be included in the tender price.		Item			
D	The contractor shall refer to the Preliminary Health and Safety Plan and include for all costs for complying with same		Item			
E	The contractor shall include for all costs associated with Covid-19 and the following requirements		Item			
F	(i) Augmenting site infrastructure and welfare facilities such as toilets, canteen, isolation spaces, access, egress and circulation routes to meet the standard set out in the Protocol		Item			
G	(ii) Cleaning to the standard required in the Protocol		Item			
H	(iii) Covid-19 supervisor role(s) as necessary to meet the requirements of the Protocol		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	(iv) Covid-19 Personal Protective Equipment (PPE) to meet the requirements of the Protocol		Item			
B	(v) Social distancing to meet the requirements of the Protocol.		Item			
C	While it is expected that realistic prices will be included against preliminary items based on (i) to (v) above, the Contract Sum will be deemed to include for the implementation of all measures - including hygiene, access management, materials procurement and delivery, work sequencing and work practices - required to construct the work safely and to minimise the risk of disease contagion for the Contractor's Personnel, the Employer's Representative, Employer's Personnel and third parties visiting the site.		Item			
D	Should there be a reason to impose greater restrictions on movement to combat any significant increases in the spread of the virus to the extent that construction activities cease in the manner imposed between 28 March 2020 and 18 May 2020, the contractor is entitled to an extension of time in accordance with the form of tender and schedule, part 1K (15) but no financial recompense. It is not intended that the ex gratia payments introduced to cover the period from 12 April 2020 to 18 May 2020 will be made available again.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Schedule of Dilapidations					
A	The Contractor, on taking possession of the site, shall submit to the ER a photographic record and a detailed schedule of dilapidation's of areas (adjacent areas to extension, footpaths, GAA pitch, hedgerow, road surfaces, boundaries to the site) that will be affected by the execution of the Works Requirements. The agreed schedule will be held as a record on the condition of the site, existing roads and boundaries when possession was granted. The provision of this record does not mitigate the Contractor's insurance responsibilities under the Conditions of Contract.		Item			
	Fire Certification and Marking					
B	The Contractor shall, immediately prior to Substantial Completion, certify that the construction work carried out on the contract by him and his workers has been carried out in such a way as to ensure that the integrity of the fire zones within the building has been provided and that all fire barriers, control elements, coatings and alarm systems have been provided and installed in compliance with the relevant Standards.		Item			
C	All fire resistant coatings such as intumescent paints shall be clearly identified with an engraved plate identifying the designed fire rating and specifying that no paint or other decorative coatings shall be applied to the coating without the prior agreement of the person with maintenance responsibility for the building. The locations for the plates shall be instructed by the ER		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	All fire rated doorsets with non-metallic leaves shall be permanently identified in accordance with the requirements of BS 8214:1990 identifying the period of fire resistance, the manufacturer's name and address, the year of manufacture and other pertinent details. These details shall be engraved on a metal plate, fire resistant to 800oC, which shall be fixed to the hinge stile of the door leaf near the top edge and shall be clearly legible. Every fire door (i.e. the complete fire door assembly) shall be supported by a fire test report from an accredited laboratory (see Technical Guidance Document D of the Building Regs) that indicates that the complete assembly will meet the required performance.		Item			
	General Design Considerations					
B	Key elements of the design brief require a design and maintenance life / minimum guarantee period as detailed below. The design life shall be the intended service life (depreciated), the expected service life (depreciated) or service life intended by the contractor.		Item			
C	1.0 Building structure (foundations, walls, floors and roof) = 60 Years		Item			
D	2.0 Roof covering (flat) = 60 Years		Item			
E	3.0 Windows, glazing and curtain walling. = 30 Years		Item			
F	4.0 Doors and ironmongery = 15 Years		Item			
G	5.0 Roof structure and components.= 60 Years		Item			
H	6.0 Primary roof deck = 60 Years		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Services Coordinator					
A	The Main Contractor must be responsible for co-ordinating all Mechanical and Electrical services installations and builders work requirements. An M&E coordinator is required to be on site 100% of the time, and will liaise with M& E sub-contractors in accordance with their contract program and obtaining 'Marked up, detailed dimensioned drawings from the sub-contractors illustrating exact locations etc and coordinating same		Item			
	Specific Site Rules and Requlations					
B	Planning permission (KCC File Number: 2022) is applicable to this project. Refer to grant of planning permission for appropriate conditions and include for all cost with complying with same		Item			
	Convenience of Occupants					
C	The existing adjacent lands and properties will remain occupied during the execution of the Contract and the Contractor shall therefore take necessary precautions to protect the buildings and occupants from dust, excessive noise and other interference arising from the work.		Item			
D	The Contractor shall consult the convenience of anybody who may be affected by the Works with regard to suitable times for carrying out works, making deliveries, etc.		Item			
E	The Contractor shall obtain permission from the owner of adjoining property, if it is necessary to use that property for any purpose in connection with the works, and indemnify the employer against all charges arising there from.		Item			
F	The Contractor shall also be responsible for all matters pertaining to health and safety		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Building Regulations					
A	The contractor shall ensure that all work is in full compliance with the current Building Control Regulations 1990 and the 2005 Building Regulations current at date of tender, whether or not such itemised requirements are stated on the Drawings, Specifications, or Bill of Quantities. The constractor shall refer to the Design Team members specifications, inspection schedules and the like for further information in relation so same and include for all costs associated with same in their tender		Item			
	Building Control Regulations 2014					
B	The contractor shall make himself aware of and satisfy all the requirement under the new building control regulations as required. The Contractor shall refer to the Architects Project Particulars Section 4.6 for further details in relation to Building Control Regulations 2014 and include for all costs associated with same		item			
C	The inspection requirements set out in this document do not in any way relieve, replace, or reduce the builders duty to supervise the works.		item			
	Coordination of tests, inspections & records					
D	the appointed Builder shall meet and coordinate and update the Inspection Notification Framework and preliminary Inspection Plan with the builders construction programme.		Item			
E	the Preliminary Inspection Plan is updated to show the agreed inspection milestones		Item			
F	all elements identified in the Inspection Notification Framework to be made available for inspection at each milestone (a) complete, (b) not concealed (c) safely accessible.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	the Builder shall facilitate random inspections by the Assigned Certifier or Ancillary Certifiers as if such inspections were identified in the Inspection Notification Framework.		Item			
B	the Builder to provide in a timely manner all certificates and tests for materials, products and assemblies		Item			
	Advance notice and time for inspections:					
C	due consideration shall be given by the Builder for inspection notices . No claims for extension of time or financial claims shall be considered for delays arising out of inspection or re-inspection requirements.		Item			
D	the Builder shall ensure advance notifications are issued with respect to works to be inspected that are identified in the Inspection schedule. The minimum advance notice required for inspection of items of works is 5 working days		Item			
	Re-Inspections/Follow up inspections					
E	the minimum notice required for re-inspection of items of works not complete or requiring remedial works shall be 3 working days.		Item			
F	the Assigned Certifier shall without delay notify the Builder through the CA/ER of any incomplete work at a given milestone identified in the Inspection Notification Framework. Note chain of communication may lead to delays.		Item			
G	the Builder shall diligently ensure that any incomplete areas of given milestones are completed and that such works are kept available for inspection again, or until a record of completion is furnished, as may by required by the Assigned Certifier.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	the Builder shall diligently ensure that any areas of non compliance are rectified and that such works are kept available for inspection again, or until a record of rectification is furnished, as may by required by the Assigned Certifier.		Item			
B	the Main Builder shall ensure all tests and certificates for materials, components and assemblies listed in the Inspection Notification Framework are undertaken in a timely way. Any test failure shall immediately be made known to the ER/AC, the materials/ works in question shall be replaced/ rectified and retested undertaken prior to proceeding with subsequent work.		Item			
C	It is the responsibility of the Builder to coordinate and supervise the works and no claim for delay or cost shall arise from the requirement to re-inspect.		Item			
	Non-Conformance					
D	Materials & Workmanship- contract clauses		Item			
E	Contract /Works Requirements- contract clauses		Item			
F	Missed Inspections- Ultimately they are recorded on the completed Preliminary Inspection Plan and registered with Building Control.		Item			
	Builders Progress Records					
G	the Builder shall maintain progress records and inspection records prepared by him prepared in accordance with the Method Statement submitted at tender as set out in this document		Item			
H	the Tenderers shall include in their tender costs for the provision of progress records as the works proceed		Item			
I	Method of Recording		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	Promptly provide a copy to the Assigned Certifier of all progress records and inspection records prepared by the Builder and the Ancillary Certifiers		Item			
B	At completion the Builder shall issue the AC a copy of the records prepared by the Builder and the Ancillary Certifiers.		Item			
C	the Builder shall also retain in his own central office all records prepared by the Builder and the Ancillary Certifiers for a minimum period of 6 years.		Item			
D	one hardcopy and/or softcopy of all records shall be issued 5 days in advance of the nominated completion date.		Item			
E	the record should include evidence of the successful execution of the Builders method statement on supervision including tests, check sheets, photographs and memos. All evidence shall be indexed by location and date.		Item			
F	acceptance of such records shall not constitute approval or imply that their content has been examined.		Item			
	The tendering contractors shall submit the following documentation as part of their tender. Failure to do so may invalidate the tender:					
G	builders Competence Assessment		Item			
H	Sub-Contractor/Specialist Competence (Ancillary Certifiers) Assessment		Item			
I	builders Method Statement		Item			
J	Tenderers shall note that Practical Completion for this contract is contingent upon the successful registration of the works on the Building Control Management System.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	Tenderers shall note that this project shall require a Prior Notification of Completion to be submitted to the Building Control Authority in advance of completion		Item			
B	The Builder shall provide 4/6 weeks in advance of the nominated completion date all completed and/or prospective documentation and confirmations for Registration. The Assigned Certifier and the Builder shall cosign the Completion Certificate as set out in Appendix F4		Item			
C	The Assigned Certifier and Builder shall then lodge/upload the documentation onto the Building Control Authoritysystem.		Item			
D	Notwithstanding any statutory duty to retain same, in advance of project completion, the Builder shall issue to the Assigned Certifier a copy of all inspection records retained by the Builder during the course of the project		Item			
	Commencement Notice					
E	The Assigned Certifier are to submit a Commencement Notice, fully completed, has been submitted to the appropriate Local Authority, not less than 14 days and not more than 28 days before actual commencement on site. Such commencement can be defined as site strip.		Item			
F	The Contractor will issue the Commencement Notice to the Local Authority after consultation with the Employer's Representative.		Item			
	Tenders, Unpriced Items					
G	The Contractor at the time of tendering, must furnish the Bill of Quantities, completed and signed by an authorised person, fully priced in ink. Pricing in pencil is not acceptable.		Item			
H	No Tenderer will be remunerated for any trouble or expense incurred in the preparation of his tender		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	The Bill of Quantities, hard copy, fully priced, must be submitted at the time of tendering.		Item			
B	The lowest or any tender will not necessarily be accepted		Item			
C	Costs for items which are not priced shall be deemed to be included in other priced items in the Bill of Quantities		Item			
D	Please note that in accordance with the Construction Industry Council (CIC) Practice Note CIC-1/2000 this Bill of Quantities must be priced in Euro only		Item			
	Customs Duties					
E	The Contractor will be deemed to have included in his tender for all Customs and other duties legally payable at the Designated Date.		Item			
	Special conditions					
F	1. Tenderers shall submit, with their tenders, proof of current insurance cover.		Item			
G	2. Tenderers shall submit with their tenders, details of their Management Organisational Structure. Particulars of head office and site management must be shown separately.		Item			
H	3. Tenderers shall submit, with their tenders, a detailed Curriculum Vitae of the Site Manager whom they propose to use on the project.		Item			
I	4. Tenderers shall submit, with their tenders, a tender programme showing all work activities up to the period of Substantial Completion.		Item			
J	5. Tenderers will be deemed to be using those products given as examples in the specification where not otherwise stated.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Programme of Work					
A	When requested by the Employer's Representative, the lowest evaluated Contractor shall submit, before the 'starting date', a detailed Programme of Work in box chart form for the completion of the works within the date for Substantial Completion. The contractor is to provide two copies of the programme for the 'Employers Representative', and is to keep one further copy available for inspection in the site office. The contractor is required to review and update the programme at monthly intervals and modify to take account of circumstances which have affected the programme. Two copies of the revised and updated programme to be issued to the 'Employers Representative' .The Contractor must also submit, at the same time, a detailed network analysis in support of his programme. The Programme should contain details of resources needed for each Phase of the Programme. The Programme of Work must be agreed with the Employer		Item			
B	The programme shall be in a bar chart format and include:		Item			
C	Holidays / non-working days.		Item			
D	Work sequencing		Item			
E	Critical path		Item			
F	Start / Substantial Completion / Milestone dates		Item			
G	Required programme contingency of Site Working Days as called for in Schedule part 1 to the Conditions of Contract.		Item			
H	The Contractor shall in all events ensure that the works are programmed, supervised and carried out in a way to minimize the risk of accidental interruption to live services.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Tax Clearance Certificate:					
A	It will be a condition for the award of Contract that the firm must be able to produce promptly a Tax Clearance certificate (unless he has a Sub-Contractor's C2 Certificate.)		Item			
B	In the case of a non-resident, a statement from the Revenue Commissioners will be required		Item			
C	All Sub-Contractors must produce a C2 Certificate to the Contractor, and be properly registered for V.A.T. before they commence on site		Item			
	Trade Names					
D	In any case where trade names or manufacturer's marks are used in the tender documents they are deemed in every case to be accompanied by the words "or equivalent"		Item			
E	In exceptional cases where it has not been possible to specify a generic element and a specific product has been named, an equivalent product to that specified is acceptable where it meets the technical, functional and aesthetic standards of that specified: the onus is on the contractor to ensure that an equivalent product to that specified meets the standard by means of an agrement cert, insurance-backed guarantee or warranty, detailed specifications, fire test certificates where applicable, brochure and other means of proof of compliance. Notwithstanding this, the appropriate foregoing documentation and samples are to be provided to the architect prior to being incorporated into the construction. Key performance characteristics of products are outlined in the NBS document. All relevant warranties are to be site inspection-based warranties.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Connections to Public mains					
A	The Contractor must obtain permission from the relevant Local Authority to enable him to make connections to the public mains. Pay all costs and charges in connection with same and make good all work disturbed to the satisfaction of the Local Authority Engineers		Item			
	Deliveries					
B	The Contractor shall consult the convenience of anybody who may be affected by the Works with regard to suitable times for carrying out the works, making deliveries, etc.		Item			
	Project Photographs					
C	The Contractor is to produce ten individual sets of 24 photographs of the project for the Employer's Representative approval. The medium used is to be both conventional and digital formats.		Item			
D	The Contractor is to provide fortnightly photographic records of the progress of the Works. The Contractor must issue A4 format prints for the ERs information accompanied by a key plan and the location reference,photograph number, date taken and issue date for the photographs		Item			
	Fire Protection Photographic Log					
E	Refer project Spec and Bill of Quantities for the following required for the entire fire protection installation throughout: fire barriers, cavity barriers, intumescent pillows, fire protection to steel, firestopping (doors to walls, head of compartment walls, opes in compartment wells floors (non exhaustive)		Item			
F	Inspect & photograph each and every element of fire protection during construction:		Item			
	To Collection €					

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	Provide a detailed report and photographic log upon completion with interim reports at each fortnightly site meeting.		Item			
B	Provide Cs Cert for the supply & installation of the fire stopping.		Item			
	Wall ties Photogrpahic Log					
C	Provide a detailed report and photographic log upon completion with interim reports at each fortnightly site meeting for the blockwork installation throughout. Report to update on ongoing measures to ensure quality of installation.		Item			
	Levels					
D	Before the Contractor commences work and before the existing ground is disturbed he shall confirm in writing his agreement that all existing levels as indicated on the drawings are correct		Item			
E	If the Contractor considers that the existing ground levels vary from those shown on the drawings he shall seek clarification and instruction from the Employer's Representative		Item			
F	Failure by the Contractor to comply with this requirement will be taken to indicate that no difference between existing levels and those indicated on the drawings exists		Item			
	Works beyond the Boundary of the Site					
G	Provide where work is executed beyond the boundary of the site in the public highway for adequate watching and lighting, traffic signalling; temporary barricades walking platforms and warning notices sufficient to ensure the safety of all persons and removing same on completion, giving notice to the Local Authority, paying their fees and charges and carrying out the work to their satisfaction		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	The Contractor shall be required to liaise with the local council in relation to works outside the boundary of the site and provide road opening licences as required in relation to these works. The Contractor shall include for all costs associated with same within the tender submission		Item			
B	Provide also for maintaining in working order all services, conducting, telephone cables etc and for making good any damage occasioned thereto by reason of these works to the satisfaction of the Authority concerned.		Item			
	Convenience of Others					
C	The Contractor shall consult the convenience of anybody who may be affected by the work with regard to users of any rights of way and the approaches to adjoining property, suitable times for making deliveries and all other matters affecting them		Item			
	Employer's Representative Inspection					
D	Before placing foundations, laying drains, filling trenches, pouring reinforced concrete and otherwise proceeding with work that will cover and conceal previous work, the Contractor shall give early notice in writing to the Employer's Representative and shall afford him an opportunity of inspecting the previous work		Item			
E	Approval given at such inspection will not relieve the Contractor from full responsibility for the quality of the work throughout		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Progress meetings					
A	Regular progress meetings will be held at Fortnightly intervals throughout the duration of the Contract and a responsible representative of the Contractor will be required to attend in addition to his senior staff and, if required by the Employer's Representative representatives of any domestic Subcontractor and principal material suppliers.		Item			
	Records					
	The Contractor shall provide site records in hardcopy and electronic format each week for the Employer's Representative and Quantity Surveyor. Site records to comprise the following:-					
B	(a) A daily record of the number and description of tradesmen and labour employed on the works		Item			
C	(b) A daily record of all plant, i.e. number, type and capacity		Item			
D	(b) A daily record of all materials and goods including name of supplier, delivery docket number etc.		Item			
E	(c) A daily record of wet hours, during which time work was prevented by bad weather		Item			
	Protection of Adjoining Property					
F	The Contractor shall provide everything that may be necessary for the protection and safety of adjoining property, while carrying out the works. The Contractor shall alter, adapt and maintain, as necessary, any temporary works required in this connection and finally clear away and make good		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	The Contractor will be held responsible for any damage to adjoining property and any other properties adjacent to the site, which may be caused by the execution of the works and he is to provide any neccessary protection for this purpose and remove same when no longer required and make good any damage at his own damage. All excavation work within 3m of adjoining structures shall be carried out by hand		Item			
B	Before commencement, the Contractor shall undertake a condition survey of adjoining buildings/ boundaries within close proximity of the Works. A copy of this survey shall be forwarded to the Employer's Representative.		Item			
	Works after Substantial Completion					
C	Works carried out by the Contractor after Substantial Completion shall be by prior arrangement with the Employer and in full conformity with their limitations and restrictions including hot work permits, wearing of name tags, restricted use of facilities, general housekeeping and security requirements		Item			
	Programme, Bar Chart					
D	The Contractor will, before the 'Starting date' submit without delay a properly prepared construction programme together with full supporting network analysis techniques for the completion of the works within the Contract period, in a form to be approved by the Employer's Representative. The programme must clearly and explicitly set forth the sequence of all operations (including those of sub-contractors) and the time limits within which the Contractor proposes that each operation shall be commenced and completed. Upon production of the programme, the Contractor shall distribute copies of the programme to all members of the design team.		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Programme Updating					
A	The Contractor must keep the construction programme up to date and make copies available to all members of the design team immediately prior to the site meetings along with supporting network analysis. The programme must include, inter alia, actual activity durations against estimated durations together with particulars of labour, materials, plant resources and the like. Copies of the programme must be displayed in the various site offices.		Item			
	Method Statement					
B	The Contractor is required to submit, post tender and pre-construction stage, a properly prepared method statement in a standard format to the Architect. The method statement must clearly demonstrate the contractor's proposed sequence and method of working together with the planned resources required to execute the works. This shall include site set up details, location of offices/site hut, material storage, protection for public and pedestrian, traffic management, waste collection and disposal, site maintenance etc.		Item			
C	Detailed method statements will be required. The Contractor shall refer to the Drawings, Specifications and Preliminary Health & Safety Plan and provide for all Method Statements as necessary		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Setting Out					
A	The Contractor shall set out the Works and keep them correct. Opening up and excavation shall not be commenced until the Engineer/ Employer's Representative has inspected the setting out. Two days notice is to be given to the Architect to check the setting out. The checking of any setting out or of any line or level by the Employer's Representative or the Clerk of works (if any) shall not relieve the Contractor of his responsibility for the correctness thereof. Discrepancies between specification and drawings should be brought to the Architect's attention prior to the work starting on site.		Item			
B	At the beginning of the Contract the Contractor shall establish an approved primary bench mark and base line on which all subsequent setting out work shall be based. Setting out shall comply with BS 5964.		Item			
	Notice of Completion					
C	Give the Employer's Representative at least three weeks notice of the anticipated dates of Substantial Completion of the whole or parts of the works		Item			
	Notice to the Quantity Surveyor					
D	Give reasonable notice to the Quantity Surveyor before covering up any work which the Quantity Surveyor may require to be measured.		Item			
E	The Contractor is to produce photographic record of any work, prior to being covered up, which may lead to the instruction of a Change Order by the Employer's Representative. The use of digital photographs will NOT be permitted for the use of recording variations, all photographs are to be date and time recorded.		Item			

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Pipe course					
A	Pipe, cable and wire courses shall be laid out by the Contractor as early as practicable for approval by the Employer's Representative and laying or fixing shall not be commenced without such approval.		Item			
B	Existing pipe, cable or wire courses interfered with during the execution of the work shall be reinstated if, when and as required to the Employer's Representative satisfaction.		Item			
	Materials and Workmanship					
C	The materials and workmanship shall be to the satisfaction of the Employer's Representative and shall be the best of their respective kinds. Materials shall comply where applicable to the current Irish or British Standard. All trade practices customary in ordinary good quality work shall be observed so as to ensure a sound and satisfactory job. All materials shall be used, applied and fixed strictly in accordance with their manufacturer's instructions, together with all necessary appliances, accessories, etc., as may be recommended by them. All work shall be carried out by qualified, experienced and competent tradespersons under the supervision of the Contractor or reliable foreperson. Workmanship shall comply with good workmanship and building practices.		Item			
D	In every case where in this Specification, materials, appliances, or fittings of special design, manufacture or description, patented or otherwise, are described, or the names of the manufacturers or agents are given, it is to be clearly understood that such references are inserted solely for the guidance of intending contractors with respect to the nature and quality of the articles or services required.		Item			

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	The term "Standard" in the Specification means that the articles or services specified shall conform to the latest appropriate Irish Standard Specification or where such is not available to the appropriate British or European Standard Specification.		Item			
B	All materials used in the work shall be new and unused unless specifically required to be salvaged or re-used by the Contract documents		Item			
C	Materials and workmanship shall be of the best quality, shall be CE marked where required and shall comply with all relevant Irish Standards and Codes of Practice or European Community Standards		Item			
D	All construction products being used in this project must carry a CE mark and must have been tested to an equivalent European norm (EN) of any British Standards (BS) that are stated in this document. Products previously carrying CE certification from a UK notified body must have transferred it to an EU27 notified body or applied for a new CE mark if the product is to be incorporated into the works.		Item			
E	Materials shall comply with the requirements of the European Communities (Construction Products) Regulations, 1992.		Item			
F	Only fully qualified and competent tradesmen and helpers shall be employed on the Works. Work shall not be sub-let or done by sub-contractors without the ERs permission		Item			
G	All work shall be carried out within the tolerances specified in BS 5606. No work shall be covered up prior to inspection and approval by the ER.		Item			
H	Wherever a proprietary name is used to specify a material or process it shall be deemed to have the term "or equivalent" appended to it.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	Where it has been necessary for a material or process to be described by reference to its proprietary name, the name is used to indicate the standard of testing, functionality, construction, appearance, ease of maintenance and durability acceptable to the ER. The ER will approve the use of equivalent products where such products are shown to equal or surpass the qualities of the product or process specified. Accordingly, proprietary names wherever mentioned in the Specification, Schedule of Rates or on the drawings shall be deemed to mean the provision of the named product or process or an equivalent. The onus is on the contractor to provide documentation/samples to demonstrate this.		Item			
B	Equivalence of the standards of any alternative product shall be verified by independent certification upon the Employers Representative (ER) request.		Item			
	Samples					
C	Samples of all materials, manufactured articles and executed work shall be submitted to the Employer's Representative for approval before adoption. Such approval will not relieve the Contractor from responsibility for any defects.		Item			
	Submission of Samples					
D	When requested by the ER, samples of all materials proposed to be used for the works shall be submitted to her, together with the name and address of the supplier and such information, instructions and directions as the supplier has issued. Samples shall be submitted for approval to the ER prior to the delivery of the materials to site. Adequate time shall be allowed in the programme for the sign off all samples by the ER		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	The Contractor is to note the list of required samples, as set out in the specifications of the relevant design team members' specifications e.g. Architect's specification for Architect's required samples.		Item			
B	The Contractor shall include for supplying and storing systematically the samples requested in a room on site. Approved samples shall be retained for comparison with products used in the Works.		Item			
C	All materials and prefabricated items shall be manufactured and tested in accordance with the specified requirements. When evidence of conformance depends solely on inspections and tests performed by a sub-contractor, manufacturer, supplier or independent inspection authority no materials or prefabricated items shall be used in the works until it has been verified that they comply with the specified requirements		Item			
D	Where appropriate, all materials and prefabricated items delivered to the site shall bear the manufacturer's name, brand name, or any other data that may be required to verify the exact nature of the material or item and relate it to the specified Works Requirements		Item			
E	Where applicable, materials and prefabricated items shall be obtained from suppliers and manufacturers who have been assessed by an independent certification authority accredited by the National Accreditation Council for Certification Bodies.		Item			
F	Where applicable, materials and prefabricated items shall bear the EN certification mark or other appropriate certification mark.		Item			
G	Transportation, handling and storage of materials and prefabricated items shall be controlled to prevent misuse, damage or deterioration.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	If requested by the Employer's Representative, samples of all materials proposed to be used for the works shall be submitted to him, together with the name and address of the supplier and such information, instructions and directions as the supplier has issued. Samples shall then be subject to the Employer's Representative's approval prior to the delivery of the materials to the site. All materials delivered to and used upon the works must be at least equal in quality to the same, and the Contractor shall ensure that he complies with all manufacturers' instructions and recommendation. Any materials condemned by the Employer's Representative as unfit for use in the works shall be immediately removed from the site at the Contractor's expense. The Contractor shall include here for supplying and erecting the samples requested. Such samples shall not form part of the permanent works. All materials and prefabricated items shall be manufactured and tested in accordance with the specified requirements. When evidence of conformance depends solely on inspections and tests performed by a sub-contractor, Specialist, Manufacturer, Supplier or independent inspecting authority, the Contractor shall ensure that such evidence is satisfactory and that appropriate records are maintained.No materials or prefabricated items shall be used in the works until it has been verified that they comply with the specified requirements.Where appropriate, all materials and prefabricated items delivered to the site shall bear the Manufacturer's name, brand name, or any other data that may be required to verify the exact nature of the material or item and relate it to the specified requirements.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	Where applicable, materials and prefabricated items shall be obtained from Suppliers and Manufacturers who have been assessed by an independent certification authority accredited by the National Accreditation Council for Certification Bodies. Transportation, handling and storage of materials and prefabricated items shall be controlled to prevent mis-use, damage or deterioration. The Contractor shall operate quarantine procedures for the identification and isolation of materials and prefabricated items that do not comply with the specified requirements. Works test certificates shall include, whenever applicable, the location in the works of the delivery or batch which the sample represents. Contractor is responsible to ensure that all works carried out by specialists/ subcontractors is in accordance with relevant standards and all materials used and installation is ` in accordance with manufacturers' recommendations and details. All warranties and certificates to be submitted upon completion of the works by the relevant parties		Item			
B	All materials and prefabricated items shall be manufactured and tested in accordance with the specified requirements. When evidence of conformance depends solely on inspections and tests performed by a Sub-Contractor, Manufacturer, Supplier or independent inspecting authority, the Contractor shall ensure that such evidence is satisfactory and that appropriate records are maintained.		Item			
C	No materials or prefabricated items shall be used in the works until it has been verified that they comply with the specified requirements		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	Where appropriate, all materials and prefabricated items delivered to the site shall bear the Manufacturer's name, brand name, or any other detail that may be required to verify the exact nature of the material or item and relate it to the specified requirements.		Item			
B	Where applicable, materials and prefabricated items shall be obtained from Suppliers and Manufacturers who have been assessed by an independent certification authority accredited by the National Accreditation Council for Certification Bodies.		Item			
C	Where applicable, materials and prefabricated items shall bear the British Standards Institution Certification mark, the British Board of Agreement Certification mark or other appropriate certification mark.		Item			
D	Transportation, handling and storage of materials and prefabricated items shall be controlled to prevent mis-use, damage or deterioration.		Item			
E	The Contractor shall operate quarantine procedures for the identification and isolation of materials and prefabricated items that do not comply with the specified requirements.		Item			
F	Works test certificate shall include, whenever applicable, the location in the works or the delivery or batch which the sample represents.		Item			
	Submissions for acceptance of approval					
G	Where submissions for approval are specified, the Contractor shall prepare and submit with his Master Programme a schedule of such submissions, co-ordinated with the Programme and including agreed time allowance for submissions and approval before the related work commences		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	Shop drawings, calculations to support details and components chosen and any other relevant information shall be submitted not less than 2 weeks or 10 working days before manufacture begins. The Contractor shall check that all shop and installation drawings are complete and coordinated. The Contractor shall confirm in writing that he has done so.		Item			
	Dayworks					
B	Dayworks shall be executed only with the written permission of the ER. Where this authority is given, original vouchers giving the fullest particulars of hours worked, names of craftsmen and general operatives, together with rates of wages paid, description of work executed, materials, plant used up to Friday and delivered to the ER before the following Friday.		Item			
C	All sheets are to be signed by the foreman and the ER. Such signatures are only to be taken as certifying that the time, materials and plant are correct and shall not be held to justify a claim that the work shall be so charge or that it cannot be measured and priced according to the terms of the contract.		Item			
D	Labour shall be priced at the appropriate SEO rates, hired plant shall be charged in accordance with the Schedule of Plant Charges or local hireage rates and materials as per bona-fide invoices (subject to confirmation of competitive procurement). All percentage adjustments provided for by the Conditions of Contract shall be made using the information tendered by the Contractor in Schedule Part 2 to the Conditions of Contract.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Submissions for acceptance of approval					
A	Where submissions for approval are specified, the Contractor shall prepare and submit with his Master Programme a schedule of such submissions, coordinated with the Programme and including agreed time allowance for submissions and approval before the related work commences.		Item			
B	Shop drawings, calculations to support details and components chosen and any other relevant information shall be submitted not less than 2 weeks or 10 working days before manufacture begins. The Contractor shall check that all shop and installation drawings are complete and coordinated. The Contractor shall confirm in writing that he has done so.		Item			
	Co-ordination					
C	The Contractor shall check all drawings and schedules to ensure in time that he has sufficient information to carry out the work. If the Contractor considers additional details are required, he shall notify the ER immediately		Item			
D	The Contractor shall obtain approval for the size and position of any hole, chase, insert or fixing required before the related work begins.		Item			
	Spares					
E	On completion of the works the contractor shall supply to the school the following spares		item			
F	At practical completion, supply the following: 25 tiles for ceiling system K40/115A		Item			
G	At practical completion, supply the following: 25 tiles for ceiling system K40/115B		Item			
H	At practical completion, supply the following: 10 tiles for ceiling system K40/115C		Item			

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	At practical completion, supply the following: 25 tiles for ceiling system K40/115D		Item			
	Standard Tests					
B	The Contractor shall make such standard tests of concrete, blockwork, mortar, steelwork and other materials as set out in the Specification or as the Employer's Representative may direct.		Item			
C	The cost of all on and off site tests, all testing fees and charges and any apparatus required, or the use of such shall be borne by the Contractor. The Contractor shall also bear the cost of forming concrete test cubes and transporting the cubes for testing.		Item			
	Special Testing					
D	Non-domestic Energy Assessment Procedure (NEAP) Certification and Air tightness testing of the completed extension will be required upon completion of the works or at a stage agreed by the Employers Representative. The Contractor is responsible for establishing, testing and reporting on the system. The Contractor will employ a suitably qualified test / commissioning specialist who will submit details of the test equipment and method statements for Employers Representative's approval. The Contractor shall prepare and submit a report to the design team and shall pay for and allow for any corrective measures and works to bring the building within the recommended guidelines.		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	The Contractor is to arrange the carrying out of a NEAP rating by a suitably qualified professional on the completed building prior to practical completion of the works. It is the responsibility of the Contractor to satisfy himself that the tests are sufficiently detailed in providing a record of the energy consumption rating for the building. The Contractor will submit to the Architect and the Services Engineer, a copy of the reports prior to the practical completion of the works, and provide an original NEAP certificate upon completion of the works.		item			
B	The Contractor is to arrange the carrying out of an Air Tightness Test by a suitably qualified professional on the completed building prior to practical completion of the works. This test should be carried-out in accordance with the Architects Specification section A10. It is the responsibility of the Contractor to satisfy himself that the tests are sufficiently detailed in providing a record of the air tightness of the building. The Contractor will submit to the Architect and the Services Engineer, a copy of the reports prior to the practical completion of the works.		item			
	Air Tightness Testing; building to receive an air tightness of 3m3/hr/m2@50 pa building pressure					
C	Provide for Building Test; 1no. pressure test , followed by 1no. smoke test , followed by 1no. pressure test ; the subcontractor carrying out works shall be INAB accredited; all in accordance with the Works Requirements.		Item			
D	All further pressure and smoke tests required to bring the building up to required air tightness to be at the contractors expense.		Note			
E	Provide for Infra red photography (thermograph) of building after the 1st pressure test is complete.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	All other infra red photography at the main contractors expense.		Note			
B	Achieving a satisfactory Air-permeability test result does not absolve the Contractor from the requirement for satisfactory performance and compliance with specification requirements for various components which make up the Air-tightness barrier. Particular attention is drawn tthe door/window/roof light/AOV assemblies (fenestration) and compliance with individual testing requirements for the same; refer to Architects specification for further details and requirements		Item			
	Whole Building Thermographic Survey					
C	The contractor shall employ a recognised specialist to carry out a thermographic survey of the completed building tassess the following:		Item			
D	Thermal bridging of building components		Item			
E	Potential water ingress intthe building		Item			
F	Potential Air Leakage & heat loss investigation		Item			
G	Potential insulation defects within glazing systems		Item			
H	Proof of Continuity of the insulation throughout the building		Item			

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	The survey shall be conducted in accordance with the requirements and recommendations of TN 9/2002 'Thermal Imaging of Buildings'. The building thermography should be carried out by an individual certified as a Civil thermographer at Level 2 or 3 under the PCN scheme (ISO 18436), and should carry out the duties permitted under ISO 18436. The thermographic equipment should be within calibration, and calibration records should be issued as part of the FINAL report. The thermographic survey should be in accordance with the BS EN: 13187.The equipment should have a sensitivity of 0.1 oC. It will be the case for buildings which are complete in the summer months that the thermographic survey is done between the months of "November" to "February" tensure appropriate environmental conditions are reached		Item			
B	In general, when locating leaks, the airflow equipment should be adjusted testablish a minimum of +25 Pa pressure differentials tuse smoke and infrared while viewing the building from outdoors. A pressure differential of -25 Pa should be used for using infrared from the interior		Item			
C	In the event that the specified continuity of thermal insulation is not achieved the contractor shall open up the works and make good the deficiency. A further thermographic survey of the relevant areas is tbe carried out to complete the demonstration of compliance with the specification. Any further thermographic surveys, opening up or remedial works required tbe carried out shall be at the contractors' expense until the specified performance is achieved		Item			

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Acoustic Commissioning Testing					
A	Provide for Airborne Sound Insulation, Impact Sound Insulation, Reverberation Time and Indoor Noise Tests as specified in the Works Requirements		Item			
	Radon Membrane Inspection and Integrity Testing					
B	Provide for independently validated testing of the gas barrier by a specialist consultant, MEC Environmental Ireland +353 86 241 8783 - www.mecenvironmental.ie or equivalent, by means of air lancing to ASRM D4437 or approved in line with CIRIA RP960 - 'Good practice on Testing and Verification of Protection Systems for Buildings Against Hazardous Ground Gases'. Refer to Architect's specification		Item			

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	Radon Measurement Testing must be carried out after the building is occupied, in the first year, during the defects liability period of the main contract, and done over a period of three continuous months (preferably the winter months of November, December, January and February). Radon gas is heavier than air, and therefore it is not normally a problem in upper stories. Upper floors, which are not in direct contact with the ground do not need to be tested. All ground floor (and below ground floor) habitable spaces must be tested. Habitable spaces include all rooms and corridors where people congregate or occupy; stores and toilets are excluded. The testing and measurement must be done in accordance with the measurement protocols issued by the EPA and carried out by a registered Radon measurement service. The procedure is placing Alpha track etch detectors (Radon Detectors) in each space for the three months, followed by dispatching the detectors to the registered service provider for laboratory measurement and certified results. The main works contractor is responsible for arranging this testing/ measurement/certified results. The costs for testing/measurement are included in the main works contract. The certified results must be submitted to the school and the DoES (Devolved Projects Section, Department of Education & Skills, Tullamore, Co Offaly, R35 Y2N5). The test results must also be available to the main contractor and Design Team.		Item			
B	The main works contractor is responsible for arranging this testing/measurement/ certified results. The costs for testing/ measurement are included in the main works contract. The certified results must be submitted to the school and the DoES (Devolved Projects Section, Department of Education & Skills, Tullamore, Co Offaly, R35 Y2N5). The test results must also be available to the main contractor and Design Team.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Testing					
A	Allow for testing the whole of the works during the duration of the Contract and clean down and leave prefect on completion.		Item			
B	The Contractor shall keep detailed records of where opening up or testing takes place. These records will consist of a written description of the location. Additionally, details of what was discovered and a record of decisions made and what procedure was followed as a result. These records shall be handed over to the Employer's Representative, Architect, Engineer and Quantity Surveyor (as appropriate) at site meetings.		Item			
	Products					
C	All Tenderers shall submit a detailed list of the products they intend to use for evaluation where they differ from the examples given in the specification		Item			
D	Tenderers will be deemed to be using those products given as examples in the specification where not otherwise stated		Item			
	Certificate of Standard					
E	All materials and goods are to be of the best quality products / materials shall either be certified as complying with the Irish Standard Specification and shall bear the Irish Standard mark or shall be certified to a National Standard of another member state of the European Union which bears an equivalent guarantee of safety and suitability - certification to be by the National Standards Authority of Ireland.		Item			
F	Where possible Irish materials must be used.		Item			
G	All works and materials required under this Contract shall be in compliance with the requirements of this Specification and the standard referred to herein.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	Materials for the works shall be of Irish Manufacture wherever such is available		Item			
B	The workmanship throughout shall be of a high standard and the materials in all cases the best quality of the kinds specified, all to the approval of the Employer's Representative. In every case where in the specification of materials, appliance or fittings of special design, manufacture or description, patent or otherwise are described, it is clearly to be understood that such references are inserted solely for the guidance of intending Contractors with respect to the nature and quality of the articles or services required		Item			
C	The term "Standard" in the specification means that the articles or services specified shall conform to the latest appropriate Irish Standard Specification or where such is not available to the appropriate British Standard Specification		Item			
	Approvals					
D	Trade names and product references are included purely to define the aesthetic and technical performance criteria required by the specifier. It is not the intention to favour one product over another or to exclude other products which meet the performance criteria. In proposing an equivalent product/material/ system the contractor will need to provide evidence of compliance with performance criteria and supply all necessary design warranties and ancillary certification required by the Assigned Certifier to comply with the Building Control (Amendment) Regulations		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	"or equivalent" shall mean that the alternative item proposed is at least equal in performance, quality and workmanship to the specified item. If the Contractor proposes to use an alternative item, the Employer's Representative must give his approval to this item and if the Employer's Representative approval is not obtained the Contractor must supply the item originally specified		Item			
B	The specification has been carefully designed to meet the brief's requirements, the Department of Education and Skills' Technical Guidance Documents and the Building Regulations. The Contractor must demonstrate that any proposed substitution is equivalent in every way to the specified product, component or material. It is the Contractor's responsibility to demonstrate equivalence. To this end, a direct comparison of every aspect of technical specification is required to be presented. Otherwise, the Contractor must build as specified. This must be carried out in a timely manner, allowing sufficient time for review.		Item			
	Where a substitution is proposed, at the time of proposing the substitution, the Contractor must confirm that, they will certify the following:					
C	all the works have been constructed with proper materials and in a workmanlike manner		Item			
D	all the works have been constructed in accordance with manufacturers' recommendations		Item			
E	all the materials /products/systems have been installed in accordance with relevant Agrement Certificate, or other appropriate standards listed in TGDs, so that the installation complies with the tested standard for the relevant material/product/system		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	all materials selected by the Contractor comply with the requirements of the Building Regulations and the Department of Education and Skills' Technical Guidance Documents.		Item			
B	the Contractor has supervised all construction activity on site.		Item			
C	In exceptional cases where it has not been possible to specify a generic element and a specific product has been named, an equivalent product to that specified is acceptable where it meets the technical, functional and aesthetic standards of that specified. The onus is on the contractor to ensure that an equivalent product to that specified meets the standard by means of an agreement cert, insurance backed guarantee or warranty. detailed specifications, fire test certificates where applicable, brochure and other means of proof compliance. Nothwithstanding this, the appropriate foregoing documentation and samples to be provided to the Architects prior to being incorporated into the construction. All guaranties and warranties to be inspection based.		Item			
	High Alumina Cement					
D	Under no conditions whatsoever is concrete containing high alumina cement to be used in any part of the work.		Note			
	Ordering of Materials					
E	The Bill of Quantities shall not be used for ordering of materials. The Contractor shall take his own measurements on site and from the drawings for the ordering of materials		Item			
	Removal of Improper Work and Materials					
	The Employer's Representative shall have the power to order during progress of the Works :-					
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	(a) Removal from the site of any materials which in his opinion are not in accordance with the Contract.		Item			
B	(b) Substitution of proper materials		Item			
C	(c) Removal and proper re-execution (notwithstanding any previous test thereof or interim payment therefore) of any work which in respect of materials or workpeople is not in accordance with the Contract.		Item			
	Procurement of Materials					
D	The Contractor is to allow adequate time to source materials, taking into account the requirement to obtain any necessary licenses.		Item			
	Certificate of Standards					
E	Products / materials shall either be certified as complying with the Irish Standard Specification and shall bear the Irish standard mark or shall be certified to a National Standard of another member State of the European Union which provides an equivalent guarantee of safety and suitability - certification to be by the National Standards Authority of Ireland.		Item			
	Technical Support					
F	The Contractor shall ensure that full technical support is available from material suppliers for the duration of the contract. Include for all costs in connection with same.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Vesting Certificates					
A	Within 21 days of acceptance of his/her tender the Contractor shall send to the Employer's Representative a list of the Suppliers from whom the Contractor intends to obtain goods or materials to be embodied in the works and (if not direct Suppliers) the manufacturers of each item of plant to be embodied in the works. The Contractor shall also notify the Employer's Representative promptly in writing of any addition to the list during the course of the works. The list and any additions to the list shall be accompanied by a vesting certificate from each Supplier and manufacturer named. A vesting certificate shall certify that the full ownership (free of any lien or charge) in all goods and materials delivered by or with the authority of the Supplier or manufacturer to the Contractor (whether on the Site of the Works or elsewhere) shall pass irrevocably to the Contractor not later than such delivery notwithstanding any terms of contract of the Supplier or manufacturer and whether or not the Supplier or manufacturer has been paid for the goods and materials. The Contractor shall include with every progress application written evidence that any goods or materials in respect of which payment is requested are the subject of a vesting certificate furnished to the Employer's Representative by the Supplier and (where relevant) manufacturer in accordance with the previous sub-clause. In the absence of such evidence no payment shall be certified in respect of goods or materials		item			

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Patent Rights and Royalties					
A	The contractor shall save harmless and indemnify the Employer for and against all claims and proceedings for or on account of infringement of any patent rights, design, trademark or name or other protected rights in respect of any constructional plant, machine, work or material used or in connection with the Works.		Item			
	"Or equivalent" in relation to proprietory item or specified element of the works					
B	Trade names and product references are included purely to define the aesthetic and technical performance criteria required by the specifier. It is not the intention to favour one product over another or to exclude other products which meet the performance criteria. In proposing an equivalent product/material/ system the contractor will need to provide evidence of compliance with performance criteria and supply all necessary design warranties and ancillary certification required by the Assigned Certifier to comply with the Building Control (Amendment) Regulations		Item			
C	The term "or equivalent" shall mean alternative which in terms of performance, durability and fitness for use can achieve the level at least equivalent to the item or element of work specified. The onus to verify such equivalence shall rest with the contractor. Approval to include such alternatives shall be at the sole discretion of the Employer's Representative and unless stated in writing otherwise should only be on the basis of equivalent as outlined above.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Measurements					
A	Notwithstanding anything shown on the drawings, the Contractor shall check all dimensions on site before putting work in hand, and shall be responsible for the dimensional coordination of all parts of the work.		Item			

To Collection €

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Sub-Contractors / Suppliers - Design and Production Information					
A	Certain Sub-Contractors/Suppliers will be required to provide design and production drawings and other information: The Contractor shall make reasonable allowance for the time taken in completing such information, checking, inspection by the Employer's Representative. The Contractor shall take appropriate action to obtain all information which the Sub-Contractors/ Suppliers are required to provide. The Contractor shall thoroughly check on the basis of information available, note any comments, discrepancies and divergences and submit to the Employer's Representative. Ensure that any necessary amendments to the information are made in accordance with any comments of the Employer's Representative, and re-submit unless the Employer's Representative so confirms that this is not necessary. If submitted information differs from the Sub-Contract documents, each such difference must be the subject of a request for substitution or Change Order. Should any amendment required by the Employer's Representative be considered to involve a variation, the Contractor shall notify the Employer's Representative without delay and shall not proceed until sub-sequentially instructed. Claims for the extra over cost of such work, if made after it has been carried out, may not be allowed. Obtain final version of all information and submit to the Employer's Representative the number of copies required by him. Distribute additional copies to all affected Sub-Contractors and Suppliers, retain copies for your the Contractors own use and keep at least one copy on site. Ensure that the work is carried out in accordance with this final version		Item			

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	All statutory obligations					
A	The Contractor shall comply in all respects with all statutory obligations or regulations in carrying out the works.		Item			
	Clearance of Site					
B	On completion of the Works and as and when directed by the Employer's Representative, the Contractor shall clear away and remove from the site all constructional plant, surplus materials, rubbish and temporary works of every kind and leave the whole of the site and Works perfectly clean and in a workmanlike condition to the satisfaction of the Employer's Representative.		Item			
	Sub-Letting					
C	The Main Contractor must not assign or sub-let any part of the work to others without the written consent of the Employer's Representative.		Item			
D	Consent must be applied for in writing, with full particulars, to allow adequate time for enquires to be made, and to complete preparations, depending on the Employer's Representative's decision, before construction works commence.		Item			
	Before the Employer's Representative will give his consent for any part of the works to be sub-let, the Main Contractor will have to satisfy the Employer's Representative on the following points :-					
E	1. That the result of sub-letting will be to secure higher or more specialist skills than the Main Contractor could reasonably be expected to provide within his own organisation or obtain on the ordinary labour market.		Item			
F	2. That sub-letting will not reduce the effectiveness of the Main Contractor's control over the job, or lessen the Site Manager's/General Foreman's authority on the site.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	3. That any increase in productivity [in the purely quantitative sense] due to labour only sub-contracting will not be accompanied by any lowering of standards of workmanship or exploitation in any other form.		Item			
B	4. The Main Contractor will have a proper and binding agreement with the Sub-Contractor, whereby the latter is held to all the relevant particulars of the Specification and agrees to abide by the Employer's Representative decision.		Item			
	3. Work by Novated Specialists, Specialists, Work by Utility Providers and Work by Others Engaged Directly by the Employer					
	3.1 Work by Novated Specialists and other Specialists					
	No elements will be tendered as Reserved Specialists:					
	3.2 Work by Utility Providers					
	Eircom and others' Fittings or Equipment					
C	The Contractor will be held responsible for any damage caused through his want of proper care to any of the fittings, equipment or machinery installed by Eircom Engineers or other statutory undertakers and their agents.		Item			
	Access for Eircom and Others to site					
D	The Contractor shall if required allow access to the site and building for the staff of Eircom or others carrying out telephone and other installations and employed by or acting on behalf of the Employer. He shall also allow access to the employer's staff connected with this work.		Item			

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	The employer intends to permit E.S.B and telecom to install underground services during the progress of the works. Provide reasonable facilities and give at least seven days notice to the 'Employers Representative' of when the works may proceed.		Item			
	Inspection for Local Authority Officers					
B	Should a recognised and responsible Officer of a Local Authority desire to see the premises, building or documents, the Contractor shall refer this person to the Employer or the Employer's Representative		Item			
	3.3 Work by others engaged directly by the Employer					
	Other Work on the Site to be Carried out Concurrent with the Works by the Employer's Personnel or Others.					
C	The installation of Employer-supplied loose furniture and equipment will be phased, to follow construction and will commence prior to the Substantial Completion of the whole works. To facilitate this, the Employer will Take Over Part of the Works, prior to Substantial Completion; those works must be practically complete and ready for occupation, subject only to Substantial Completion Certification. The Contractor must provide proper fire escape routes in compliance with the Fire Safety Certificate.. The Contractor will be required to facilitate the delivery of the loose furniture and equipment by others and the fixing and commissioning of equipment before Substantial Completion. In particular		Item			
D	Facilitate delivery of loose furniture supplied by the Employer, and facilitate distribution of furniture by the Employer's Personnel in locations around the new facility		Item			

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	Facilitate delivery of fixtures, fittings and equipment as supplied by the Employer and fix in locations as advised by the ER, and as indicated on Architect's room layout drawings included in Appendix A3, including white boards, interactive white boards, pin boards, toilet roll holders, soap dispensers.		Item			
B	Facilitate delivery of IT equipment as supplied by the Employer and its commissioning prior to Substantial Completion		Item			
C	Facilitate the delivery of white goods, appliances and specialist equipment as supplied by the Employer and fix, wire, plumb and commission in locations as advised by the ER and indicated on the Architect's Room Layout drawings.		Item			
D	Facilitate the Artist completing the % for art, and provide access to the works as required		Item			
E	Facilitate the delivery and installation of outdoor play equipment.		Item			
F	The Contractor is responsible for ensuring their insurances include for the above items and cover all Employer's Personnel, including those indicated above.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Relocation & Removal of Existing Temporary Accommodation (Blocks 1 & 2)					
A	The contractor shall note that the removal and relocation of existing temporary accommodation will be completed by the main contractor utilising the existing suppliers of the temporary accommodation suppliers to both rented units . The contractor shall allow for all costs associated with same, including liaising with the temporary accommodation providers, Kerry ETB and the School in relation to orgainising and programming these works. The contractor shall provide access of temporary accommodation contractor to complete the works and all necessary attendances in relation to same as required. The contractor shall refer to the information pack for further details on the contractors works and include for all costs associated with same in relation to access, shared entrances, access to main contractors works areas, programming, health & safety, moving the cabins (including crainage) along with associated groundworks, making good and any other necessary costs associated with these works to include all costs associated with removal or relocation		Item			

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	4. General facilities and obligations					
	4. a Supervision and co-ordination of the works					
	Contracts Manager					
A	The Contractor shall immediately on appointment assign a Contracts Manager who shall have a full authority to act on the Contractor's behalf in connection with the Contract. The Contractor shall notify the Employer's Representative of the name of the person so appointed and of his normal place of work. The Contractor may from time to time by further written notice to the Employer's Representative remove any person from his appointment as the Contracts Manager and appoint another person in his place with effect from a date to be specified in the notice. The Contractor shall at all times until the end of the Defects Liability Period ensure that a person is appointed to act as the Contracts Manager.		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Site Manager					
A	From the commencement of work at the site until the works have been certified as practically complete, the Contractor shall ensure that some suitable person is employed by him at the Site as Site Manager. The Site Manager shall supervise and co-ordinate all work carried out on the site by the Contractor and receive all instructions given by or on behalf of the Employer's Representative to the Contractor at the site. The Site Manager shall be present at the site throughout normal working hours except when on leave, sick, or absent for reasons connected with the proper performance of this Contract. Whenever the Site Manager is absent from the site during normal working hours, a suitable person shall be appointed to act as his deputy. The Site Manager shall not be employed by the Contractor to do work other than work specifically related to the Contract. The Contractor shall notify the Employer's Representative of the person appointed as Site Manager and shall not change such appointment without the prior written consent of the Employer's Representative.		item			
B	The Contractor shall ensure that there are at all times on the site sufficient suitably qualified and experienced staff to supervise and co-ordinate all work carried out by the Contractor and to advise and assist the employer in taking possession of the works.		item			

To Collection €

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Workpeople Generally					
A	None but fully qualified, experienced and competent workpeople shall be employed on the Works and the Contractor shall furnish such evidence as the Employer's Representative may require as to the qualifications and competence of any work person. The Employer's Representative shall have the power to have dismissed from site any work person who misconducts him/herself or who is incompetent or negligent. The Contractor shall be responsible for keeping all workpeople under his control and within the confines of the site.		item			
B	Operatives will be required to carry out sample work on site to indicate their expertise. Acceptable operatives should be familiar with and able to handle materials specified and have competence in the various work procedures.		item			
C	The Contractor, where circumstances dictate, will be required to provide additional training to operatives where their knowledge is lacking.		item			
D	Persons engaged upon the Works should in so far as is practicable and without affecting the efficiency of the work be recruited from the local offices of FAS to the extent that the total labour requirement of the contract exceeds the Contractor's core workforce		item			
	4. b Plant, tools and vehicles					
	Provide all plant, tools, equipment and vehicles required for the execution of the work					
E	bringing to site, installing and removing on completion		item			
F	maintaining on site for the duration of the works		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	The Contractor shall give the Employer's Representative, Architect, Clerk of Works and Quantity Surveyor each week a daily return of the number, type and capacity of all plant, tools and equipment currently operating on the works.		item			
B	Plant and scaffolding etc. shall not be removed until ordered by the Employer's Representative and when so ordered it shall be removed expeditiously.		item			
	4. c Scaffolding					
	Scaffolding					
C	bringing to site, erecting and removing on completion		item			
D	maintaining on site for the duration of the works		item			
E	The scaffolding will be required to be moved and dismantled in accordance with the phasing drawing throughout the works		item			
F	The Contractor is required to give a written undertaking to the Employer's Representative that only qualified, experienced and competent Scaffolders will be employed upon the works. The Contractor must furnish the necessary evidence to the Employer's Representative prior to the carrying out of scaffolding works.		item			
G	Provide as necessary all general scaffolding required for the execution of the works. Include for protective dust proof and water proof sheeting on all scaffolding. The Contractor shall also make provision for properly constructed access points within the said scaffolding to facilitate inspection of the Works by the consultants. The scaffolding and the erection of same must comply with BS 5973 or the latest British Standard and all other associated construction regulations and the like.		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	The Contractor shall ensure that all scaffolding uprights and the like are encased with foam insulation/uPVC pipes to a height not less than 2.0m.		item			
	4. d Site Administration including the provision and keeping of all statutory records					
	Site Administration					
B	The Contractor shall ensure that there are at all times on this project sufficient suitably qualified and experienced staff to administer all work carried out by the Contractor.		item			
C	The Contractor shall ensure that systems and procedures are in place with regard to the provision and maintenance of records in compliance with statutory requirements.		item			
	4. e Security and provision of clearly identifiable site perimeters and surroundings					
	Site Security					
D	Provide for safeguarding the site, the works, materials and plant against unauthorised entry damage and theft including providing all necessary watching and lighting for the security of the works and the protection of the public. Make good any damage caused by ineffective protection.		item			
	Perimeters and Surroundings					
E	Site perimeters and local surroundings are shown on Architects Proposed Site Plan Drawing no. 20057-OPP-01-00-DR-A-0001 & for each work Sections on Architects drawing 20057-OPP-01-00-DR-A-0004		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	4. f Provision for protection of the public from site operations and arrangements for protection of third parties and visitors to the site in accordance with all statutory requirements					
A	The Contractor shall effect all necessary measures to safeguard members of the public and all other third parties from the risks and perils associated with all construction related site operations.		item			
	4. g Transport for workpeople					
	Transport					
B	Provide for obtaining an adequate labour force for the works and include for transporting workpeople to and from the site if necessary.		Item			
	4. h Protecting the works from inclement weather					
	Protecting the Works					
C	Protect the works, materials and plant from the weather and make good any damage caused.		Item			
	4. i Water for the works					
	Water					
D	Provide an adequate supply of clean fresh water for the works and pay all charges.		Item			
	4. j Temporary lighting and power for the works					
	Temporary lighting and power					
E	Provide all necessary power and fuel for the Contractor's own plant and that of Specialist Sub-Contractors and include for all connections, installation and running costs. Any power or the like being used from the existing school supply will need to be metered separately at the contractors cost		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	4. k Temporary roads, hardstandings, crossings and similar items					
	Temporary roads, hardstandings, crossings and similar items					
A	Provide all necessary temporary roads, tracks, hardstandings, crossings and the like and reinstate surfaces on completion. Obtain approval from the Employer's Representative for the location of temporary entrances, hardstandings and crossings required for the works. Comply with the requirements of the Local Authority regarding their maintenance and reinstatement.		Item			
B	The contractor shall include for the installation of temporary access roads and associated footpaths to the school as necessary to maintain the school traffic access during each works section as indicated on Architects drawing 20057-OPP-01-00-DR-A-0004. The contractor shall maintain the roads/ path for the duration of each works section, include for all necessary safety signage and remove on completion; make good all works disturbed on completion to match existing; refer to Architects drawings for further details and routes of temporary access required.		Item			
	4. l Temporary accommodation for the use of the Contractor					
C	Provide temporary sheds, offices, messrooms and sanitary accommodation required for own use and for use by sub-contractors. Comply with the requirements of the Factories Acts. Make good and fully reinstate on completion all surfaces, vegetation, grassed areas, etc., disturbed or damaged by Contractor's operations during the course of the works.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Site Compound					
A	Provide and maintain toilet facilities, washing facilities, drying room and canteen(s) for the Contractor's staff and watertight sheds for the storage of materials, tools and tackle in positions to be agreed with the ER. Separate female toilet to be provided for DT personnel.		Item			
B	The cleaning and maintenance of site accommodation and toilets for use by the ER's personnel shall be a separate daily duty to be assigned to a named individual or cleaning company. Such accommodation as the Contractor is required to supply for the ER shall be properly and fully maintained throughout.		Item			
C	Thoroughly clean area used for the compound, make good and leave in unimpaired condition on Substantial Completion of the Works.		Item			
D	All materials shall be securely stored or tied down. Waste materials, rubble and debris shall be removed from the site as it arises. All possible steps shall be taken by the contractor to ensure that nothing off the site may be blown off the site area. Under no circumstances shall materials be burned on site.		Item			
E	A meeting room with furniture for 15 persons to be permanently available for the Design Team and for site meetings. Facilities for on line meeting attendance to be included for on site meetings		Item			
F	Provide a suitable site office fully equiped with table, chairs, internets etc.		Item			
	4. m Temporary storage areas including suitable and separate storage for dangerous materials or substances					
	Temporary storage facilities					
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	Suitable sheds for the use of the workpeople and the storage of materials shall be provided by the Contractor, maintained during the progress of the Works and removed on completion, the site thereof being made good.		Item			
B	Stores for cement and plaster are to be watertight and are to have raised floors to the approval of the Employer's Representative		Item			
C	The Contractor's and subcontractors storage huts and the like are to be positioned within the site.		Item			
D	Provide seperate storage facilities for both the Mechanical & Electrical contractors for their sole use throughout the project. The Contractor shall maintain these storage facilities throughout the works		Item			
	4. n Temporary telephones for the use of the Contractor					
	Telephones and Facsimile					
E	Provide temporary telephone and facsimile facilities for both the Contractor's own use and for the use of domestic Sub-Contractors; pay all charges in connection therewith.		Item			
	4. o Traffic regulations					
	Traffic regulations and management					
F	The Contractor shall make necessary arrangements with the Garda, Local Authority etc. and shall comply with their requirements including wheel washing etc. to provide access for lorries, plant etc. to the site. Comply with all traffic, parking, delivery and Garda regulations or restrictions. Obtain and comply with the conditions of necessary Road Closure Order(s) required and pay all costs and expenses in connection therewith.		Item			

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	The Contractor shall ascertain and provide for complying with all traffic regulations and Garda regulations affecting the execution of the works.		Item			
B	The Contractor shall be responsible for all traffic management plans, signage and the like to the existing public roadway which will be used to access the site in accordance with all current regulations		Item			
C	The Contractor shall be required to prepare a traffic management plan for works to the exisitng roadway outside the site and shall be fully responsible for all associated signage, stop/ go systems and the like required in association with these works to the public roadway		Item			
D	The Contractor shall be required to prepare a traffic management plan for works outside the site and for the school access throughout each phase/ works section of the works and shall be fully responsible for all associated signage, stop/ go systems and the like required in association with these works to the public/ school roadway		Item			
	Traffic Management Plan					
E	A detailed Traffic Management Plan will be required to ensure all works relating to this specific location are carried out off peak hours, i.e. avoiding peak traffic flows including pedestrians etc. The Contractor is to provide a detailed TrafficManagement Plan for all works and phases relating to this project. This Traffic Management Plan is a live document and must be kept up to date by the Contractor as the work progresses. Any changes to the Traffic Management Plan must be communicated to the Design Team and Client to allow comment of same		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	The Contractor shall be required to prepare a traffic management plan for works outside the site and for the school access throughout each phase/ works section of the works and shall be fully responsible for all associated signage, stop/ go systems and the like required in association with these works to the public/ school roadways		Item			
	4. p Welfare facilities for work people to be in compliance with fourth schedule of the Safety Health and Welfare at Work (Construction) Regulations					
B	The Contractor shall prepare a Construction Management Plan which shall contain exact location of the site compound including site access and egress points, location of temporary site accommodation, location of contractor car parking, location of unloading and storage areas, traffic and pedestrian routes.		Item			
	Toilet Facilities, Wash Rooms and the like					
C	The Contractor is to provide temporary toilet, wash room and canteen facilities and the like during the course of the works and these must be kept clean at all times and maintained in a proper manner.		item			
	4. q Safety Health and Welfare at Work provisions including items for the following:-					
	1. The operation of the requirements of the Safe Pass and Constructions Skills Certificates Schemes					
D	The Contractor shall comply in all respects with the operation of the 'Safe Pass' and 'Construction Skills Certificates' schemes		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	2. Safety Officers and all safety supervisors, first aiders, inspectors and certifiers required					
A	The Contractor shall include for a competent person or persons to carry out the duties of Safety Officers and all safety supervisors and first aiders required.		Item			
B	The Contractor shall provide everything necessary to comply in all respects with the requirements of the Health and Safety Inspectors and Certifiers.		Item			
	3. Tests and certificates on plant and equipment					
C	The Contractor shall include for providing all tests and certificates necessary for plant and equipment operating on the site.		Item			
	4. Safety signs and signals					
D	The Contractor is to ensure that sufficient supplies of safety signs and signals are present on site. The Contractor shall include for maintaining and keeping these sign and signals in a clean and operable condition throughout the contract period.		Item			
	5. Provision of Personal Protective Clothing and Personal Protective Equipment					
E	The Contractor is to ensure that sufficient supplies of personal protective equipment, e.g. safety helmets, steel toe-cap boots and personal protective clothing, e.g. reflective vests/visibility jackets and the like are available for the use of visiting Consultants to the site.The Contractor must ensure that such PPC and PPE is kept clean and in a hygienic condition at all times in readiness for use by the visiting consultants.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	Operatives shall be required at all times to wear personal protective clothing and personal protective equipment appropriate for the task at hand and to carry out such tasks with the appropriate equipment and procedures required to the Health and Safety Regulations and the safety of others.		Item			
	6. Provision and maintenance of Emergency routes and exits and designated personnel responsible for emergency procedures					
B	The Contractor is to ensure that operatives and other personnel are made aware of the location of Emergency routes and exits from the site and associated buildings, and the Contractor is required to provide designated personnel responsible for emergency procedures.		Item			
	7. Energy distribution installations					
C	The Contractor is to provide for ensuring that all temporary lighting and power for the works is installed and maintained in a safe manner.		Item			
	8. Temporary Fire detection and fire fighting systems					
D	The Contractor is to provide necessary fire detection and fire fighting systems, including maintaining in a safe manner and removal upon completion of the works.		Item			
	9. Maintenance of appropriate working conditions and work stations					
E	Provide for daily maintenance to ensure that temporary offices, workstations, messrooms and sanitary accommodation for the use of the Contractor are kept hygienic, clean and in a tidy manner.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	10. Provision and maintenance of on site traffic routes					
A	Provide for the identification and maintenance of on-site traffic routes including the provision of adequate watching and lighting; temporary barricades, walking platforms and warning notices sufficient to ensure the safety of all persons and removing same on completion		Item			
	11. Provision of first aid equipment and first aid room as appropriate					
B	Provide for first aid equipment and a first-aid room to be located in either separate temporary accommodation or in temporary accommodation already deemed necessary, as appropriate, for the Contractor's own use and for use by sub-contractors or others on site.		Item			
	Safety, health and welfare of workpeople					
C	The Contractor shall comply in all respects with the Safety, Health and Welfare at Work Act 2013, and with any relevant Statutory provisions as defined under that Act.		Item			
D	The Contractor shall comply in all respects with the Factories and Safety in Industry Acts and any other Acts amending those Acts and with any Statutory Instruments or Regulations issued thereunder. In particular, the Contractor shall comply in all respects with the Safety, Health and Welfare at Work (Construction) Regulations, 2013.		Item			
E	The Contractor shall include for the Project Supervisor for the Construction Stage giving Notice to the National Authority for Occupational Safety & Health prior to commencement of work on site in accordance with the first schedule of the Safety, Health and Welfare at Work (Construction) Regulations, 2013.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	The Contractor is required to identify in his tender any aspect of the project which he considers, as a competent Contractor, to be incapable of being constructed in a reasonably safe way.		Item			
B	The Contractor shall complete and return with his tender an official Competence Assessment Form.		Item			
C	Further information about safety requirements may be obtained from the National Authority for Occupational Safety and Health		Note			
D	The Contractor shall include for procuring all necessary, "As built" drawings for inclusion in the safety files		Item			
	4. r Disbursements arising from the employment of workpeople					
	Provide for all costs in respect of labour including costs of, for example					
E	Social Welfare Acts		Item			
F	Conditions of Employment Acts		Item			
G	Insurance (Intermittent Employment) Act		Item			
H	Holiday (Employees) Act		Item			
I	Redundancy Payments Acts		Item			
J	Industrial Training Acts		Item			
K	Factories Act, Building (Safety, Health and Welfare) Regulations		Item			
L	Travelling Time, Expenses, Fares & Transport		Item			
M	Guaranteed Time		Item			
N	Non-Productive Overtime and Other		Item			
O	Expenses in connection with Overtime		Item			
P	Incentive and Bonus Payments		Item			
Q	Sick Pay Disbursement		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	Country Money		Item			
B	Pensions		Item			
C	etc.		Item			
	Trade Union Membership, Pension Fund					
D	All workers employed by the Contractor and his sub-contractors shall be members of a recognised Trade Union.		Item			
E	The Contractor shall be a fully paid up member of the CIF Pension/Sick Pay Scheme and all payments made in respect of employees must be available for inspection at all times.		Item			
	4. s Maintenance of public and private roads					
F	The Contractor shall be responsible for all damage to existing roads and footpaths caused by his own or sub-contractors' or suppliers' transport to and from the site. Maintain the Employer's existing roads and footpaths during the Contract and make good any damage caused by site traffic or site operations. Protect all underground services encountered during the execution of the works. The Contractor shall make good any damage caused by his own, by sub-contractor's or by suppliers' operations.		Item			
G	Take adequate precautions to protect persons and property from damage or nuisance caused by water, smoke, dust, rubbish and otherwise.		Item			
H	The Contractor is also to take reasonable steps to prevent the excessive deposit on roads and footways of mud from his vehicles or those of any sub-contractor under the Contract and is to allow for cleaning such deposits as necessary.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Wheelwash					
A	The Contractor shall provide measures during the construction phase to prevent dirt entering onto the public road, he shall clean the public roads in the vicinity of the site at least daily and continuously during the Earthworks and demolition stages of the project. The Contractor is to provide a wheel washing facility during the contract located at the site entrance as required to prevent excessive dirt on roadways. All vehicles leaving the site will be required to use the wheel wash to prevent dirt on the existing roadways		item			
B	Any excessive dirt on road will be the responsibility of the contractor to remove. The contractor shall include for road sweeper as necessary throughout the contract to keep public roadway clean at all times		item			
C	In the event of fouling or damage of any roads arising due to any operations related to delivery of the Works Requirements the Contractor shall clean them expeditiously to the satisfaction of the ER. The Contractor shall be entirely responsible for any damage due to his failure to comply with this requirement.		item			
	4. t Removing rubbish, protective casings and coverings and cleaning the works on completion					
	Removing rubbish etc.					
D	Remove all rubbish from the works as it accumulates and maintain the works in a clean and tidy condition for the duration of the contract. Clean the works internally and externally, remove all rubbish and leave the entire works in a tidy condition ready for occupation or use. Final clean to be carried out by professional cleaning company.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	The Contractor is to include in his rates for disposing of all materials in accordance with all current environmental and building regulations. Refer to Engineer's specification.		Item			
B	The Contractor shall keep the site clean and tidy and make arrangements for the regular removal of rubbish to a properly licensed tip / dump. The Contractor shall clean by brushing and then by hosing all new walkways and roadways used by his crews and vehicles (or those of Specialist Sub-Contractors or Suppliers) at least once per day and as often as necessary to keep the roadways free of dirt, dust and mud. Contractors will provide their own hoses and connections to water supply points approved by the Employer. The Contractor will be required to clear away any builders rubble, debris or waste upon completion of the contract works to a properly licensed tip / dump and make good and reinstate to their original condition any areas during the course of construction.		Item			
C	Provide for removing all rubbish, protective casings and coverings etc. arising from his own or any of his sub-contractors operations from the site daily, to a properly licensed tip / dump		Item			
D	Provide for cleaning the works on completion, inside and out, removing stains, washing all floors and glass and leaving the whole of the works clean and fit for immediate occupation, to the satisfaction of the Employer's Representative.		Item			
E	Further to the cleaning of the building at handover stage, the Contractor is to remove and replace all light bulbs with new or make a reasonable financial offer to the Client for same.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	Clearance of Site					
A	On completion of the Works and as and when directed by the Employer's Representative, the Contractor shall clear away and remove from the site all constructional plant, surplus materials, rubbish and temporary works of every kind and leave the whole of the site and Works clean and in a workmanlike condition to the satisfaction of the Employer's Representative		Item			
	4. u Compliance with Waste Management statutory obligations					
	Construction and Waste Levy					
B	The Contractor shall comply with the Waste Management (landfill levy) Regulations 2002. These Regulations (the landfill levy) came into force on 1 June 2002. It applies to wastes delivered for disposal at landfill sites, including C & D wastes. C & D Waste which is used in landfill site engineering, restoration or remediation purposes, is exempt from the levy when it is non-hazardous comprising of concrete, bricks, tiles, road planings or other similar materials and is particle size or less than 150mm. Excavation spoil which is used for landfill site engineering, restoration or remediation purposes is exempt from the levy when it is comprised of clay, sand, gravel or stone. The desposition in a quarry is exempt, where such material is in a chemically unaltered state.		Item			
C	The Contractor shall liaise with the Environment Section of relevant Local Authority to agree a location for the proper and safe disposal of all waste and excavated materials resulting from the proposed works in accordance with their requirements and current legislation.		Item			
D	A detailed Construction Waste Management Plan (CWMP) shall be prepared in 'Best Practice Guidelines on the Preparation of Waste Management Plans for Construction & Demolition Projects' (DoEHLG, 2006) in advance of construction works commencing.		Item			

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	All rubble and waste arising from the works shall be disposed off-site by the Contractor. The Contractor shall at all times maintain skips for the separation of waste, appropriate to the work being undertaken from time to time. Skips shall be properly protected against wind dispersal of materials therein, clearly marked to avoid creation of a hazard either by day or night, removed and replaced whenever filled to an appropriate licenced or permitted waste recovery or disposal facility.		Item			
B	The Contractor shall be deemed to have included in his tender for thoroughly cleaning the site of the Works and any other areas affected by it on completion of the Work. All rubble, plant and materials shall be removed and any areas damaged shall be reinstated at the Contractor's expense.		Item			
C	All waste disposal is to comply with the relevant regulations and statutory acts and the Southern Region Waste management Plan. Waste shall only be moved offsite by a haulier in possession of a Waste Collection Permit issued by the National Waste Collection Permit Office valid for Co. Kerry and the Local Authority Area to which the waste will be transferred		Item			
	Environmental Protection					
D	All construction and demolition waste removed off site shall go to a licensed/ permitted waste recovery facility and be carried out by a firm permitted to do so in accordance with the Waste Management Collection Permit Regulations 2001 and Waste Management Act 1996		Item			
E	The Contractor is to take all reasonable precautions to minimise nuisance to the occupants / adjoining residential properties, the existing school and to the general public and to include for complying with all statutory regulations in this regard.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	No burning of waste/debris to be allowed on site. No mud or debris to be allowed onto the public road from works involved from the site.		Item			
B	Dust deposition shall not exceed 340 mg/ m3/day beyond the boundary of the site.		Item			
C	Roads in the vicinity of the site shall be sprayed with water in times of dry weather to control dust resulting from operation of the site.		Item			
D	Top soil shall be stored on site for landscaping purposes as far as possible. Surplus topsoil and subsoil must go to a licensed facility as specified in the Waste Management Act 1996 or to a recovery site with a waste Permit issued by the County Council. The haulier of the topsoil must be permitted under the Waste Management (Collection Permit) Regulations 2001.		Item			
E	No foul water, waste effluent, contaminated water e.g. painters fluids, concrete slurry, plasterers fluids, toxins, etc. shall enter the foul or storm water drainage system or discharge to land drains, soakaways etc.		Item			
	4. v Drying of the works					
	Drying out					
F	Dry out the works as required to facilitate progress and to prevent damage to or deterioration of the works		Item			
G	Control humidity as required to facilitate progress and to prevent damage to or deterioration of the works		Item			
H	The permanent heating installation may not be used for drying out the works		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
	4. w Temporary fencing, hoardings, gates, doors, screens, fans, planked footways, guardrails, gantries, floor, stair, roof edge protection, and protection of openings, safety nets and similar items					
A	The Contractor shall comply with all statutory regulations to ensure the safety and protection of all employees, subcontractors, suppliers, consultants and all other third parties involved in or likely to be connected with the Works any way whatsoever.		item			
B	The contractor shall note that the works will be undertaken on a phased basis and temporary fencings etc. will have to be moved to accomodate each phase of the works as the work proceeds.		item			
	4. x Control of noise, pollution and compliance with statutory obligations					
	Control of noise, pollution etc.					
C	Take adequate precautions to protect persons and property from damage or nuisance caused by water, smoke, dust, noise, rubbish and otherwise.		Item			
D	The Contractor shall include for compliance with BS 5228- Noise and Vibration Control on Construction Sites, and for compliance with all current Health and Safety Regulations. Fit all compressors, percussion tools and vehicles with effective silencers of a type recommended by manufacturers of the compressors, tools or vehicles. The Contractor will be required to liaise closely with the employer so as to minimise the nuisance caused by noise and no extra cost will be recoverable for compliance therewith.		Item			
	4. y Protection of the works					
	Protecting					
E	The Contractor shall be deemed to have included in his tender for the protection of the site boundaries/ hedgerows and the completed works		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
A	Allow for protecting the whole of the work during the duration of the Contract and carry out cleaning down of the Works by a professional cleaning company and leave perfect on completion.		Item			
B	The works shall be protected at all times against damage from inclement weather, impact, or any other cause and the Contractor shall provide waterproof and frost-proof coverings, temporary shelters, temporary drainage and any other necessary protection for this purpose. He shall provide also watching and temporary lighting, hoarding etc., necessary for the protection of the public and for the protection of the site and the Works against trespass and interference.		Item			
				To Collection €		

Description	Qty	Unit	Rate	€	c
EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
COLLECTION					
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Description	Qty	Unit	Rate	€	c
EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
COLLECTION					
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Description	Qty	Unit	Rate	€	c
EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
COLLECTION					
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Description	Qty	Unit	Rate	€	c
EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
COLLECTION					
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Description	Qty	Unit	Rate	€	c
EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
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Description	Qty	Unit	Rate	€	c
EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
COLLECTION					
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Description	Qty	Unit	Rate	€	c
EL (06+07) PRELIMINARIES + INSURANCES (Cont'd)					
COLLECTION					
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EL (06+07) PRELIMINARIES + INSURANCES Carried to Summary					

	Description	Qty	Unit	Rate	€	c
	EL (14) DEMOLITIONS AND ALTERATIONS					
	INFROMATION					
A	The Contractor is advised that the Architects, Structural and Services Engineers Drawings and Specifications (Works Requirements) are all complimentary to each other and should be read in conjunction with one another		NOTE			
B	The Contractor is required to visit the site and ascertain the nature of works involved in this Demolitions & Alterations section. No charge for extra labour, plant or material will be allowed in consequence of the Contractors failure to do this		NOTE			
C	Demolitions to be carried out in accordance with Engineers specifications and instructions, please refer to Engineers Demolition Specification		NOTE			
D	The Contractor is to provide for all necessary hoardings as provided for in the Preliminaries section		ITEM			
E	The Contractor is to include for all temporary floor and roof propping as required in order to construct the building whilst maintaining overall stability; Contractor to prepare details and method statement for comment by Consulting Structural Engineers in advance of any demolition works all in accordance with Engineers drawings and specifications		Item			
F	All necessary Electrical, Mechanical & Sprinkler disconnections are to be carried out by Mechanical & Electrical Sub-Contractors prior to the commencement of demolition works		item			
G	The Contractor is required to make themselves aware of the presence and location of all existing services on the site and shall take all necessary precautions to avoid interference or damage to these services during the execution of the works		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (14) DEMOLITIONS AND ALTERATIONS (Cont'd)					
A	The Contractor shall make due allowance in their rates for working in and around and maintaining existing live these services as necessary. Any damage caused shall be made good at the Contractors own expense		note			
B	The Contractor is required to make themselves aware of the presence and location of all existing fittings and signposts on the site and shall take all necessary precautions to avoid interference or damage to these existing fittings and signposts during the execution of the works. The Contractor shall make due allowance in their rates for working in and around these fittings and signposts as necessary. Any damage caused shall be made good at the Contractors own expense		note			
C	The Contractor must take all reasonable means to minimise noise from their demolition operations		note			
D	Before starting demolition works the Contractor will determine from the appropriate statutory Authorities the location of the existing services present on site, i.e. gas, water, electricity, telephone, drainage, etc. The Contractor shall arrange with the appropriate Authority for the disconnection of services including payment of any disconnection charges. The onus is on the Contractor to establish all existing underground services on the site and if no drawings are available the Contractor must take all the necessary steps to establish these services. No claims will be entertained (if drawings are not available or if available and found to be inaccurate) for any subsequent delays or extension of time. The Contractor is deemed to have taken cognisance of this requirement when pricing the works		note			

	Description	Qty	Unit	Rate	€	c
	EL (14) DEMOLITIONS AND ALTERATIONS (Cont'd)					
A	The Contractor must protect all underground services encountered during the execution of the works. The Contractor shall make good any damage caused by their own, by sub-contractors or by suppliers operations. Allow all costs associated with this compliance		item			
	DEMOLITIONS AND ALTERATIONS					
	DEMOLITIONS					
	Demolishing individual structures; backfill exposed trenches and levels with T1 Structural; structural unbond granular fill material; all in accordance with Engineers specification					
B	shed; single storey RC building; 2.5m wide x 6m length x 4m high		Item			
	Demolishing parts of structures					
C	external wall; precast concrete/ masonry cavity wall 350mm thick; demolition area 24 m2;demolish to 300mm below ground level; remove off-site; as per Architects drawings DR-A-1201		Item			
D	external wall; entrance; precast concrete/masonry cavity wall 350mm thick; demolition area 40m2 demolish to 300mm below ground level; remove off site; as per Architects drawings DR-A-1201		Item			
E	internal; circulation room; precast concrete/masonry wall 215mm thick; demolition area 36m2 demolish to 400mm below ground level; remove off site; as per Architects drawings DR-A-1201		Item			
F	internal; circulation room; precast concrete/masonry wall 215mm thick; demolition area 12m2 demolish to 400mm below ground level; remove off site; as per Architetcs drawings DR-A-1201		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (14) DEMOLITIONS AND ALTERATIONS (Cont'd)					
A	internal; demonstration room; precast concrete wall 215mm thick; demolition area 36m2 demolish to 400mm below ground level; remove off site; as per Architects drawings DR-A-1201		Item			
B	demolishing existing tiered seating; demonstration room; timber; approximate volume 30m3; remove off site; as per Architects drawings DR-A-1201 & Engineers drawing 1001		Item			
C	break out and remove off site existing ground floor concrete slab (60m2); - demolish and remove off site; as per Architects drawings DR-A-1201 and Engineer drawing 1001		Item			
D	demolish existing fire escape stairs and handrail; reinforced concrete; approximately volume 4m3; remove off site; as per Architects drawings DR-A-1201		Item			
E	remove existing fire door and frame to be installed in new location (new door measured elsewhere); 1.1m wide x 2.25m high; off site; drama room; as per Architects drawings DR-A-1201		Item			
F	remove existing internal door and frame; circulation room 1.1m wide x 2.25m high off site; drama room; as per Architects drawings DR-A-1201		Item			
G	remove existing internal door and frame; demonstration room room 1.1m wide x 2.25m high off site; drama room; as per Architects drawings DR-A-1201		Item			
H	remove existing external door and frame; demonstration room room 1.1m wide x 2.25m high off site; drama room; as per Architects drawings DR-A-1201		Item			
I	remove existing window; circulation room 1m wide x 2m high off site; drama room; as per Architects drawings DR-A-1201-S1-P02		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (14) DEMOLITIONS AND ALTERATIONS (Cont'd)					
A	remove existing window; circulation room 0.5m wide x 2m high off site; drama room; as per Architects drawings DR-A-1201-S1-P02		Item			
B	form new ope; 500mm x 2000mm; remove existing window; drop cill; break out existing precast concrete/masonry wall 350mm thick; as per Architects drawings DR-A-1201		Item			
C	form new ope for new fire exit; 1.2m x 2.25m; remove existing window (measured elsewhere); drop cill; break out existing concrete/masonry wall 350mm thick; as per Architects drawings DR-A-1201		Item			
	Making good remaining stuctures					
D	make good finishes; generally		Item			
	Temporary Screens					
E	required temporary screens, providing and erecting, maintaining for required duration & removal on completion of required demolition works; protecting existing school building; include for adapting temporary screens when required		Item			
	Temporary Roofs					
F	include for any required temporary roofs, providing and erecting, maintaining for required duration & removal on completion of required demolition works; include for adapting temporary roofs when required		Item			
	ALTERATIONS					
	Removing; Finishes					
G	take up and remove off site existing floor covering & associated floor skirtings to ground floor demolition areas; as per Architects drawing number DR-A-1201 (new floor finishes elsewhere measured)	95	m2			

	Description	Qty	Unit	Rate	€	c
	EL (14) DEMOLITIONS AND ALTERATIONS (Cont'd)					
A	take down and remove off site existing ceilings to ground floor demolition areas; as per Architects drawing number DR-A-1201 (new ceiling finishes elsewhere measured)	95	m2			
	ALTERATIONS					
	Blocking up fire door ope (door removal measured elsewhere) include for all temporary supports as necessary; wall build up to match existing wall; 350mm thick concrete/masonry wall; refer to Architect Drawing DR-A-1201					
	Openings in existing structures					
B	1.1m wide x 2.25m high	1	nr			
	Blocking up window ope (window removal measured elsewhere) include for all temporary supports as necessary; wall build up to match existing wall; 350mm thick concrete/masonry wall; refer to Architect Drawing DR-A-1201					
	Openings in existing structures					
C	1m wide x 0.5m high	1	nr			
D	0.5m wide x 0.5m high	1	nr			
				To Collection €		

Description	Qty	Unit	Rate	€	c
EL (14) DEMOLITIONS AND ALTERATIONS (Cont'd)					
COLLECTION					
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Page No. BQ/163					
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EL (14) DEMOLITIONS AND ALTERATIONS Carried to Summary					

	Description	Qty	Unit	Rate	€	c
	EL (15) UNDERPINNING					
	INFORMATION					
	1. The Contractor is advised that the Architect's, Structural and Services Engineer's Drawings and Specifications (Works Requirements) are all complimentary to each other and should be read in conjuntion with one another.		Note			
	2. The Contractor shall refer to the Drawings and Specifications included in the Works Requirements, Volume A.		Note			
	EXCAVATION AND EARTHWORKS					
	UNDERPINNING					
A	Underground and above ground services exist in the area of building operations. The Contractor should liaise with the Local Authority and the Architect in this respect.		note			
B	The Contractor shall submit with his tender a Method Statement detailing his proposals in respect of the underpinning works.		note			
C	The Contractor shall refer to Engineers drawing 5016, specifications and site investigation report in respect of the underpinning works.		note			
	Temporary support					
D	providing and fixing all necessary support to existing structure/ foundations to be underpinned for a total length of; making good structure; 25m in length; all in accordance with the Engineers specification and drawings		Item			
	Preparing; cleaning surfaces of existing work; to receive supports and pinning up of new work					
	Existing Pads/ Foundations					
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (15) UNDERPINNING (Cont'd)					
A	surface of existing work to receive supports and pinning up new work; width 1200mm; access from one side; all in accordance with the Engineers specification and drawings	25	m			
	Excavation; under existing structure					
B	preliminary; < 2.00m; access from one side; back filling with T1 Structural; structural unbond granular fill; all in accordance with the Engineers specification and drawings	37	m3			
C	under existing structure; < 2.00m; access from one side; all in accordance with the Engineers specification and drawings	33	m3			
	Working space excavation; underpinning works; backfilling with Clause 804 hardcore material; crushed limestone					
D	generally	28	m2			
	Disposal					
E	off site	70	m3			
	CONCRETE WORK					
	IN-SITU CONCRETE					
	Bulk filling; grade 35N20 concrete; vibrated; poured on or against earth or unblinded hardcore					
F	Foundations					
G	poured or against earth or unblinded hardcore; all in accordance with the Engineers specification and drawings	33	m3			
	Dry mix; 3:1 sand:cement; rammed between underside of foundation and top of concrete ; all in accordance with the Engineers specification and drawings					
H	75mm dry pack	3	m3			

	Description	Qty	Unit	Rate	€	c
	EL (15) UNDERPINNING (Cont'd)					
	REINFORCEMENT					
	Reinforcement bars to BS4449, grade 250 (mild steel) & deformed bars grade 460 (high yield) type 2, hot rolled deformed high yield steel; all in accordance with Engineers drawings and specifications					
	Bar; straight or bent					
A	< or = 12mm diameter	1.20	t			
	Links					
B	< or = 12mm diameter	0.12	t			
	FORMWORK					
	Sawn surface finish to concrete; finish in accordance with the Engineer's specification					
	Sides of foundations					
C	>500mm	28	m2			

Description	Qty	Unit	Rate	€	c
EL (15) UNDERPINNING (Cont'd)					
COLLECTION					
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EL (15) UNDERPINNING **Carried to Summary**					

	Description	Qty	Unit	Rate	€	c
	EL (19) SUBSTRUCTURE					
	INFORMATION					
	1. The Contractor is advised that the Architect's, Structural and Services Engineer's Drawings and Specifications (Works Requirements) are all complimentary to each other and should be read in conjuntion with one another.		Note			
	2. The Contractor shall refer to the Drawings and Specifications included in the Works Requirements, Volume A.		Note			
	GENERAL					
A	Natural crushed rock aggregate in accordance with I.S. EN 13242:2002+A1:2007 (Aggregates for unbound and hydraulically bound materials for use in civil engineering work and road construction) and ANNEX E of SR21:2014+A1:2016 (Guidance on the use of I.S. EN 13242:2002+A1:2007 - Aggregates for unbound and hydraulically bound materials for use in civil engineering work and road construction). Placed and compacted in accordance with table B.1 of IS 888:2016 (Code of practice for the procurement and use of unbound granular fill hardcore material for use under concrete floors)		Note			
B	Fill Compaction to be Validated by Plate Bearing Test at locations and for CBR values to be agreed with Downes Associates.		Item			
C	1. The Contractor shall refer to the Works Requirements, Volume A		Note			
D	2. Location drawings for this Element are included in the Works Requirements, Volume A		Note			
E	3. Specifications for this Element are included in the Works Requirements, Volume A		Note			
F	4. The reduced level excavation for this element is taken in EL (10) Prepared Site		Note			

	Description	Qty	Unit	Rate	€	c
	EL (19) SUBSTRUCTURE (Cont'd)					
	EXCAVATION & EARTHWORKS					
	EXCAVATION					
	Foundation trenches; including bulk filling					
A	maximum depth <2.00m; battered sides	773	m3			
	Isolated pits; including bulk filling					
B	maximum depth <2.00m; battered sides	46	m3			
	Extra on excavation items for					
C	breaking up existing rock	175	m3			
D	being next to; existing building	45	m2			
	Disposal					
E	water; surface		Item			
F	water; ground		Item			
G	excavated material; off site	819	m3			
	Filling; T1 Structural; structural unbond granular fill material; in compliance with Annex E of Roadstone SR 21					
H	to excavations; av. thickness >250mm	1,337	m3			
	Filling; T2 Permeable; suitably graded unbound granular fill material; in compliance with Annex E of Roadstone SR 21					
I	to make up levels; av. thickness<250mm	236	m3			
	Surface treatments					
J	blinding filling; T3; 50mm thick; in compliance with Annex E of Roadstone SR 21	948	m2			

To Collection €

	Description	Qty	Unit	Rate	€	c
	EL (19) SUBSTRUCTURE (Cont'd)					
	CONCRETE WORK					
	IN-SITU CONCRETE					
	C12/15 Lean concrete blinding; all in accordance with the Engineers drawings and specification					
	Bulk filling					
A	poured on or against earth or unblinded hardcore; under foundations	577	m3			
B	poured on or against earth or unblinded hardcore; under isolated foundations	29	m3			
	Reinforced C30/37 concrete; vibrated; all in accordance with the Engineers drawings and specification					
	Foundations					
C	poured on or against earth or unblinded hardcore; under foundations	122	m3			
D	poured on or against earth or unblinded hardcore; under isolated foundations	15	m3			
	Reinforced C30/37 concrete; vibrated; all in accordance with the Engineers drawings and specification					
	Beds					
E	not exceeding 150mm thick; floor slab	143	m3			
	Reinforced C30/37 concrete; vibrated; all in accordance with the Engineers drawings and specification					
	Slab					
F	exceeding 150mm thick; floor ramp	5	m3			
G	exceeding 150mm thick; infill to wall removal	2	m3			
H	exceeding 150mm thick; making good floor to demonstration room (works to existing building)	12	m3			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (19) SUBSTRUCTURE (Cont'd)					
	Walls; reinforced					
A	exceeding 150mm thick (rising walls)	46	m3			
	Columns					
B	cross section area not exceeding 0.10m2	2	m3			
C	cross section area exceeding 0.10m2	6	m3			
	Column casing; concrete encasement to steel below ground; 900mm high					
D	exceeding 0.1m2	4	m3			
	M6 mortar; all in accordance with the Engineers drawings and specification; refer to Engineer Drawing 4000 'Detail 6' fo further details and requirements					
	Cavity fill					
E	<150mm	5	m3			
	C30/37 concrete leanmix filling to cavities; concrete as specified to IS EN 206-1:2013 and A1:2016; as specified; all in accordance with Engineers drawings and specifications; refer to Engineer Drawing 4000 'Detail 6' for further details and requirements					
	Cavity filling					
F	>150mm	10	m3			
	SUNDRIES					
	Isolation joint; 20mm wide compressible filler board; including sealant; all in accordance with engineers drawings and specifications					
	Design joint					
G	depth not exceeding 150mm	515	m			

	Description	Qty	Unit	Rate	€	c
	EL (19) SUBSTRUCTURE (Cont'd)					
	Control joint; saw cut 40mm deep x 6mm wide; fill with Thioflex 600 sealant or equivalent; all in accordance with engineers drawings and specifications					
	Design joint					
A	depth not exceeding 150mm	202	m			
	Movement joint; 30mm thick; between new and existing walls; all in accordance with engineers drawings and specifications; DR-SE-4001					
B	depth exceeding 150mm	35	m			
C	depth exceeding 150mm; curved	4	m			
	Hydrophilic strip; to lifts; all in accordance with engineers drawings and specifications					
D	generally	15	m			
	Surface finishes					
E	power floating	930	m2			
F	power floating; falls (ramp)	19	m2			
	Thermal break; to threshold; Farrat Isolevel TBK or equivalent structural thermal break plate; include for all drilling and fixings as necessary; all installations in accordance with manufacturers printed instructions; all in accordance with the Architects drawings and specification					
	Like items					
G	100mm x 10mm thick	53	m			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (19) SUBSTRUCTURE (Cont'd)					
	Other items; connection to existing structure; H12 dowles drilled and grouted to existing reinforced concrete using Fischer resin or equivalent; 600mm long; embedment min 200mm; at 300mm centres; all in accordance with the engineers drawings and specification; refer to Engineer Drawing 4001 'Detail 14' for furtehr details and requirements					
A	connection to existing foundations	62	nr			
	PRECAST CONCRETE					
	Precast/Pre stressed reinforced concrete lintels to EN 845-2 with 2no H16 bar T&B and H ^Links at 100mm c/c with 40mm cover; reinforcement to suit spans; fine textured finish for fairfaced work; install in accordance with manufacturer's instructions; as Architect's and Engineers drawings and specifications					
	Lintels;					
B	width 215mm; height 215mm; 1050mm long	47	nr			
	REINFORCEMENT					
C	Please note that all starter bars, reinforcement bars and links are measured elsewhere for columns and walls in Elements (21) External Walls and (22) Internal Walls		note			
	Reinforcement; fabric; BS4483; hard drawn plain round steel, welded; 450mm side laps: 450mm end laps; as specified Clause 20					
	Fabric					
D	horizontal; A142 mesh	967	m2			
E	horizontal; A393 mesh	458	m2			
F	vertical; D49 wrapping mesh	13	m2			

	Description	Qty	Unit	Rate	€	c
	EL (19) SUBSTRUCTURE (Cont'd)					
	FORMWORK					
	Basic finish formwork for non-exposed concrete faces below ground; all in accordance with Architects/ Engineer's drawings and specifications					
	Side of foundations					
A	height >250mm < or = 500mm	720	m			
B	height > 500mm (bulk filling)	684	m2			
C	height >250mm < or = 500mm (isolated foundations)	81	m			
D	height >500mm (bulk filling) (isolated foundations)	77	m2			
	Steps in foundation					
E	height >250mm < or = 500mm	10	m			
	Kickers					
F	walls	175	m			
G	columns; rectangular	31	nr			
H	columns; circular	3	nr			
	Walls					
I	vertical; rising wall; 215mm thick; 900mm high	331	m2			
J	vertical; rising wall; 185mm thick; 900mm high	16	m2			
	Columns					
K	isolated; rectangular; <0.10m2 cross-section	5	m2			
L	isolated; circular; <0.10m2 cross-section	3	m2			
M	attached; rectangular; >0.10m2 cross-section	7	m2			
N	attached; rectangular; <0.10m2 cross-section	42	m2			

	Description	Qty	Unit	Rate	€	c
	EL (19) SUBSTRUCTURE (Cont'd)					
A	attached; circular; <0.10m2 cross-section	2	m2			
	Other items; forming sinking in top of floor slab for matwells					
B	for 20mm thick entrance mats	40	m2			
C	for 50mm recess to accommodate shower drainage falls	4	m2			
	BRICKWORK AND BLOCKWORK					
	BLOCKWORK					
	Concrete Common Blockwork to Walls; Blocks: To BS EN 771-3; Manufacturer: Contractor's choice; Product reference: Contractor's choice; Configuration: Group 1; Compressive strength: Mean value: 13.5N/mm2; Characteristic value: 13.5N/mm2; Category: I; Freeze/ Thaw resistance: Suitable for exposed external use below dpc; Thermal properties: N/A; Recycled content: Contractor's choice; Work sizes (length x width x height): 440 x 215 x 215 mm; Tolerance category: D2; Special shapes: Half sizes; Additional requirements: Reaction to fire class: A1; Mortar: Min. M4, As section Z21; Standard: To BS EN 998-2; Mix: 1:1:6 cement:lime:sand; 10mm joints; bedding, jointing & bucket handle pointing; Additional requirements: Durability: Freeze/ thaw resistance: Suitable for exposed external use below dpc; Bond: Block on flat; all installations in accordance with Architects drawings & specifications					
	Wall in trenches					
D	100mm thick; outer skin cavity wall	70	m2			
E	215mm thick; internal walls	25	m2			
F	1600mm thick; terrace seating	5	m2			
G	215mm thick; inner skin of cavity wall; built against concrete column/ wall; bonding thereto with stainless steel ties & dovetail slots set into concrete	19	m2			

	Description	Qty	Unit	Rate	€	c
	EL (19) SUBSTRUCTURE (Cont'd)					
A	215mm thick; built against concrete column/wall; bonding there to with stainless steel ties & dovetail slots set into concrete	175	m2			
	Concrete Thermal Blockwork to Walls; Blocks: To BS EN 771-3; Manufacturer: Contractor's choice; Product reference: Contractor's choice; Configuration: Group 1; Compressive strength: Mean value: 13.5N/mm2; Characteristic value: 13.5N/mm2; Category: I; Freeze/ Thaw resistance: Suitable for exposed external use below dpc; Thermal properties: N/A; Recycled content: Contractor's choice; Work sizes (length x width x height): 440 x 215 x 215 mm; Tolerance category: D2; Special shapes: Half sizes; Additional requirements: Reaction to fire class: A1; Mortar: Min. M4, As section Z21; Standard: To BS EN 998-2; Mix: 1:1:6 cement:lime:sand; 10mm joints; bedding, jointing & bucket handle pointing; Additional requirements: Durability: Freeze/ thaw resistance: Suitable for exposed external use below dpc; Bond: Block on flat; all installations in accordance with Architects drawings & specifications					
	Walls in trenches					
B	215mm thick	39	m2			
	Labours					
C	on blockwork		Item			

	Description	Qty	Unit	Rate	€	c
	EL (19) SUBSTRUCTURE (Cont'd)					
	ANCILLARIES TO BRICKWORK/BLOCKWORK					
	Form cavity between walls; heavy duty stainless steel double drip, double triangle wall ties to BS 1243; Centres: 225mm c/c Manufacturer: Contractor's choice; Prdouct Reference: Contractors choice; Sizes 300mm; Tie mounted insualtion retaining clips: As recommended by the manufacturer; Insulation: Xtratherm XPS 300 or equivalent extruded polystyrene rigid insulation or equivalent approved by Architect. Product certification: Recycled content: Not applicable. Thickness (nominal): 160mm. Thermal conductivity: 0.035 W/mK. Placement: Secure against face of inner leaf to fit snug in cavity; Joints between boards, at closures and penetrations: No gaps and free from mortar and debris. All installations in accordance with Manufacturers isntructions; all in accordance with Architects drawings and specifcations; refer to Architect Drawing 4101 'Detail 2' and Engineer Drawing 4000 'Detail 1' for further details and requirements					
	Forming cavities					
A	width 160mm; between blockwork wall & insulation for cladding support system	34	m2			

	Description	Qty	Unit	Rate	€	c
	EL (19) SUBSTRUCTURE (Cont'd)					
	Form cavity between walls; heavy duty stainless steel double drip, double triangle wall ties to BS 1243; Centres: 225mm c/c Manufacturer: Contractor's choice; Prdouct Reference: Contractors choice; Sizes 300mm; Tie mounted insualtion retaining clips: As recommended by the manufacturer; Insulation: Xtratherm XPS 300 or equivalent extruded polystyrene rigid insulation or equivalent approved by Architect. Product certification: Recycled content: Not applicable. Thickness (nominal): 160mm. Thermal conductivity: 0.035 W/mK. Placement: Secure against face of inner leaf to fit snug in cavity; Joints between boards, at closures and penetrations: No gaps and free from mortar and debris. All installations in accordance with Manufacturers isntructions; all in accordance with Architects drawings and specifcations; refer to Architect Drawing 4101 'Detail 1' and Engineer Drawing 4000 'Detail 4' for further details and requirements					
	Forming cavities					
A	width 160mm; between blockwork walls	16	m2			

	Description	Qty	Unit	Rate	€	c
	EL (19) SUBSTRUCTURE (Cont'd)					
	Cavities to BS 1243 and 1554; stainless steel wall ties to BS EN 845-1; Manufacturer: Submit proposals; Product reference: Certified for the cavity width Design embedment length (minimum): as per manufcaturers instructions; Movement: Non tolerant; As recommended by the manufacturer; SS double triangle type wall ties at 450mm horizontally and 450mm vertically and staggered; include for drilling into exsiting blockwork cavity wall to install new wall ties for new cavity; allow for cavity filling M6 mortar (M6 mortar measured elsewhere); all installations in accordance with the manufacturer's instructions; as per Architects & Engineers drawings and specifications; refer to Engineer drawing 4000 'Detail 6' for further details and requirements					
	Forming cavities					
A	width 165mm (M6 cavity fill mortar); refer to Engineer Drawing 4000 'Detail 4'	19	m2			

To Collection €

	Description	Qty	Unit	Rate	€	c
	EL (19) SUBSTRUCTURE (Cont'd)					
	Form cavity between walls; heavy duty stainless steel double drip, double triangle wall ties to BS 1243; Centres: 225mm c/c Manufacturer: Contractor's choice; Prdouct Reference: Contractors choice; Sizes 300mm; Tie mounted insualtion retaining clips: As recommended by the manufacturer; Insulation: Xtratherm XPS 300 or equivalent extruded polystyrene rigid insulation or equivalent approved by Architect. Product certification: Recycled content: Not applicable. Thickness (nominal): 160mm. Thermal conductivity: 0.035 W/mK. Placement: Secure against face of inner leaf to fit snug in cavity; Joints between boards, at closures and penetrations: No gaps and free from mortar and debris. All installations in accordance with Manufacturers isntructions; all in accordance with Architects drawings and specifcations; refer to Architect Drawing 4101 'Detail 2' and Engineer Drawing 4000 'Detail 5' for further details and requirements					
	Forming cavities					
A	width 160mm; between blockwork wall & insulation for cladding support system	29	m2			

	Description	Qty	Unit	Rate	€	c
	EL (19) SUBSTRUCTURE (Cont'd)					
	Form cavity between walls; heavy duty stainless steel double drip, double triangle wall ties to BS 1243; Centres: 225mm c/c Manufacturer: Contractor's choice; Prdouct Reference: Contractors choice; Sizes 300mm; Tie mounted insualtion retaining clips: As recommended by the manufacturer; Insulation: Xtratherm XPS 300 or equivalent extruded polystyrene rigid insulation or equivalent approved by Architect. Product certification: Recycled content: Not applicable. Thickness (nominal): 160mm. Thermal conductivity: 0.035 W/mK. Placement: Secure against face of inner leaf ti fit snug in cavity; Joints between boards, at closures and penetrations: No gaps and free from mortar and debris. All installations in accordance with Manufacturers isntructions; all in accordance with Architects drawings and specifcations; refer to Architect Drawing 4101 'Detail 2' and Engineer Drawing 4000 'Detail 6' for further details and requirements					
	Forming cavities					
A	width 160mm; refer to Engineer Drawing 4000 'Detail 6'	39	m2			

	Description	Qty	Unit	Rate	€	c
	EL (19) SUBSTRUCTURE (Cont'd)					
	Cavities to BS 1243 and 1554; stainless steel wall ties to BS EN 845-1; Manufacturer: Submit proposals; Product reference: Certified for the cavity width Design embedment length (minimum): as per manufcaturers instructions; Movement: Non tolerant; As recommended by the manufacturer; SS double triangle type wall ties at 450mm horizontally and 450mm vertically and staggered; include for drilling into exsiting blockwork cavity wall to install new wall ties for new cavity; allow for cavity filling concrete (concrete measured elsewhere); all installations in accordance with the manufacturer's instructions; as per Architects & Engineers drawings and specifications; refer to Engineer drawing 4000 'Detail 6' for further details and requirements					
	Forming cavities					
A	width 165mm (cavity fill concrete); refer to Engineer Drawing 4000 'Detail 6'	39	m2			

To Collection €

	Description	Qty	Unit	Rate	€	c
	EL (19) SUBSTRUCTURE (Cont'd)					
	Form cavity between walls; heavy duty stainless steel double drip, double triangle wall ties to BS 1243; Centres: 225mm c/c Manufacturer: Contractor's choice; Prdouct Reference: Contractors choice; Sizes 300mm; Tie mounted insualtion retaining clips: As recommended by the manufacturer; Insulation: Xtratherm XPS 300 or equivalent extruded polystyrene rigid insulation or equivalent approved by Architect. Product certification: Recycled content: Not applicable. Thickness (nominal): 160mm. Thermal conductivity: 0.035 W/mK. Placement: Secure against face of inner leaf to fit snug in cavity;Joints between boards, at closures and penetrations: No gaps and free from mortar and debris. All installations in accordance with Manufacturers isntructions; all in accordance with Architects drawings and specifcations; refer to Architect Drawing 4101 'Detail 2' and Engineer Drawing 4000 'Detail 8' for further details and requirements					
	Forming cavities; between new walls					
A	width 160mm between aluminium supported cladding system and 215mm RC wall	9	m2			

	Description	Qty	Unit	Rate	€	c
	EL (19) SUBSTRUCTURE (Cont'd)					
	Form cavity between walls; heavy duty stainless steel double drip, double triangle wall ties to BS 1243; Centres: 225mm c/c Manufacturer: Contractor's choice; Prdouct Reference: Contractors choice; Sizes 300mm; Tie mounted insualtion retaining clips: As recommended by the manufacturer; Insulation: Xtratherm XPS 300 or equivalent extruded polystyrene rigid insulation or equivalent approved by Architect. Product certification: Recycled content: Not applicable. Thickness (nominal): 160mm. Thermal conductivity: 0.035 W/mK. Placement: Secure against face of inner leaf to fit snug in cavity; Joints between boards, at closures and penetrations: No gaps and free from mortar and debris. All installations in accordance with Manufacturers isntructions; all in accordance with Architects drawings and specifcations; refer to Architect Drawing 4101 'Detail 2' and Engineer Drawing 4001 'Detail 13' for further details and requirements					
	Forming cavities; between new walls					
A	width 160mm between aluminium supported cladding system and 215mm RC wall	23	m2			

	Description	Qty	Unit	Rate	€	c
	EL (19) SUBSTRUCTURE (Cont'd)					
	Cavities to BS 1243 and 1554; stainless steel wall ties to BS EN 845-1; Manufacturer: Submit proposals; Product reference: Certified for the cavity width Design embedment length (minimum): as per manufcaturers instructions; Movement: Non tolerant; As recommended by the manufacturer; SS double triangle type wall ties at 450mm horizontally and 450mm vertically and staggered; include for drilling into exsiting blockwork cavity wall to install new wall ties for new cavity; all installations in accordance with the manufacturer's instructions; as per Architects & Engineers drawings and specifications; refer to Engineer drawing 4001 'Detail 14' for further details and requirements					
	Forming cavitites					
A	between new walls; 100mm thick (between existing cavity wall and new blockwork wall)	10	m2			

To Collection €

	Description	Qty	Unit	Rate	€	c
	EL (19) SUBSTRUCTURE (Cont'd)					
	Cavities to BS 1243 and 1554; stainless steel wall ties to BS EN 845-1; Manufacturer: Submit proposals; Product reference: Certified for the cavity width Design embedment length (minimum): as per manufcaturers instructions; Movement: Non tolerant; As recommended by the manufacturer; SS double triangle type wall ties at 450mm horizontally and 450mm vertically and staggered; Insulation: Xtratherm XPS 300 or equivalent extruded polystyrene rigid insulation or equivalent approved by Architect. Product certification: Recycled content: Not applicable. Thickness (nominal): 100mm. Thermal conductivity: 0.035 W/mK. Placement: Secure against face of inner leaf ti fit snug in cavity; external face of insulation engineered to allow moisture to drain away; all corners, joints and the like as per manufacturers instructions; all installations in accordance with the manufacturer's instructions; as per Architects & Engineers drawings and specifications; refer to Engineer drawing 4001 'Detail 15' for further details and requirements					
	Forming cavitites					
A	between new walls; 100mm thick (between RC walls)	9	m2			

	Description	Qty	Unit	Rate	€	c
	EL (19) SUBSTRUCTURE (Cont'd)					
	Cavities to BS 1243 and 1554; stainless steel wall ties to BS EN 845-1; Manufacturer: Submit proposals; Product reference: Certified for the cavity width Design embedment length (minimum): as per manufcaturers instructions; Movement: Non tolerant; As recommended by the manufacturer; SS double triangle type wall ties at 450mm horizontally and 450mm vertically and staggered; include for drilling into exsiting blockwork cavity wall to install new wall ties for new cavity; all installations in accordance with the manufacturer's instructions; as per Architects & Engineers drawings and specifications; refer to Engineer drawing 4001 'Detail 16' for further details and requirements					
	Forming cavitites					
A	between new walls; 100mm thick (between existing cavity wall and new blockwork wall)	3	m2			
	Ancon cast in dovetail slot anchor or equivalent to BS EN 845-2, austenitic stainless steel wall tie system; comprising Ancon 21/18 Omega Channel or equivalent cast into concrete member with Ancon SD21or equivalent Ties slotted into channel and built into blockwork at vertical centres to suit blockwork courses (450mm vertical centres); including flexible joint filler and sealant as required; all in accordance with Engineers drawings and specifications; refer to Engineers drawings for further details and requirements					
	Bonding to other work; reinforced concrete members					
B	215mm walls to concrete columns	73	m			
	Juta GP DPC or equivalent DPC; sealed to radon membranne to manufacturers instructions; all in accordance with the Architects specification					
C	>250mm; horizontal	69	m2			

	Description	Qty	Unit	Rate	€	c
	EL (19) SUBSTRUCTURE (Cont'd)					
A	>250mm; horizontal; stepped	46	m2			
	Forming holes through 215mm wide solid walls to allow the penetration of 110mm diameter PVC pipes; form ope in wall and insert 215 x 65dp precast concrete lintels; surround in 15N leanmix as necessary; proprietary precast builders lintels to suit wall thickness; void filled with compressible sealant to Architects requirements; making good areas disturbed on completion; all in accordance with drawings and specification; refer to Engineers drawing 0202 "Typical Rising Wall Services Penetration" for further details					
	Sundries					
B	200 x 150mm	64	nr			
	Forming holes through 465mm wide solid walls to allow the penetration of 110mm diameter PVC pipes; form ope in wall and insert 2 No 215 x 65dp precast concrete lintels; surround in 15N leanmix as necessary; proprietary precast builders lintels to suit wall thickness; void filled with compressible sealant to Architects requirements; making good areas disturbed on completion; all in accordance with drawings and specification; refer to Engineers drawing 0202 "Typical Rising Wall Services Penetration" for further details					
	Sundries					
C	200 x 150mm	44	nr			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (19) SUBSTRUCTURE (Cont'd)					
	Forming holes through 805mm wide solid walls to allow the penetration of 110mm diameter PVC pipes; form ope in wall and insert 4 No 215 x 65dp precast concrete lintels; surround in 15N leanmix as necessary; proprietary precast builders lintels to suit wall thickness; void filled with compressible sealant to Architects requirements; making good areas disturbed on completion; all in accordance with drawings and specification; refer to Engineers drawing 0202 "Typical Rising Wall Services Penetration" for further details					
	Sundries					
A	200 x 150mm	12	nr			
	Bed Joint Reinforcement stainless steel grade 316L bed joint reinforcement to blockwork walls; 215mm wide blcowkork walls; to both leaves of all cavity masonry walls; installed to manufaturer's printed instructions, all in accordance with Architect/Engineers drawings and specifications; refer to Engineer drawing 4000 'Detail 4 for further details and requirements					
	Joint Reinforcement					
B	215mm blockwork	84	m			
	ROOFING, CLADDING & WATERPROOFING					
	MASTIC ASPHALT, WATERPROOF AND GAS PROOF NON-METAL FLEXIBLE SHEET COVERING					
	1000 gauge Visqueen or equivalent polythene seperation layer; all in accordance with Architects drawings & Specifications					
	Damp proofing					
C	horizontal; >300mm	948	m2			
D	vertical; >150mm <300mm	530	m			
	Upstands					
E	dressing up walls; 150mm - 300mm	530	m			

	Description	Qty	Unit	Rate	€	c
	EL (19) SUBSTRUCTURE (Cont'd)					
	Collar around pipes, standards and the like					
A	foul water pipes; 110mm diameter	56	nr			
	Fosroc proofex engage waterproof membrane; all in accordance with Architects drawings & Specifications					
	Damp proofing					
B	horizontal; >300mm	6	m2			
	Moy Materials Enkopur or equivalent Polyurtehane tanking/waterproofing membrane system; Substrate: Concrete & Blockwork; Primer: as per manufacturers isntructions; all in accordance with Architects drawings & Specifications					
	Tanking					
C	vertical; >300mm	244	m2			
	Juta GP1 or equivalent radon membrane; all in accordance with Architects drawings & Specifications; all installations lapping and jointing in accordance with manufacturers instructions					
	Gas proofing					
D	horizontal; >300mm	948	m2			
	Upstands					
E	dressing up walls; 150mm - 300mm	530	m			
	Collar around pipes, standards and the like					
F	foul water pipes; 110mm diameter	56	nr			
	Juta GP DPC or equivalent gas resistant DPC; all in accordance with the Architects drawings and specifications					
	Gas proofing					
G	horizontal; >300mm	15	m2			
H	horizontal; >150mm <300mm	530	m			

	Description	Qty	Unit	Rate	€	c
	EL (19) SUBSTRUCTURE (Cont'd)					
A	vertical; >300mm	10	m2			
	Fosroc proofex engage or equivalent; all in accordance with Architects drawings & Specifications					
	Tanking					
B	vertical; >300mm; to lift	29	m2			
	Radon Sump; Manufacturer: BMI Group or equivalent; Termination Caplink; Material: Manufacturer's standard; Shape: Circular; Size: Manufacturer's standard; Sump height (nominal): Manufacturer's standard; all in accordance with Architects drawings & Specifications					
	Sundries					
C	radon sump	4	nr			
	Radon cap; ends of radon pipes; vermin mesh; proprietary type u.P.V.C; finished level with footpath/ paving; all installations in accordance with manufacturers instructions					
	Pipe accessories					
D	110mm diameter pipe	4	nr			
	Gas ventilation pipework; u PVC to I.S.424:1990; all in accordance with the Architects drawings and specification					
	Pipes					
E	nominal pipe diameter 100mm	55	m			
	Extra over 100mm pipework for					
F	fittings; 90 degree bend and cap	10	nr			
G	fittings; 90 degree bend	6	nr			

To Collection €

	Description	Qty	Unit	Rate	€	c
	EL (19) SUBSTRUCTURE (Cont'd)					
	Cutting or forming holes					
A	pipes through 215mm thick RC wall external rising wall; making good to RC around pipe; sealing both sides; making good all structures to Engineer's approval	42	nr			
B	pipes through 215mm thick RC wall external rising wall; making good to RC around pipe; sealing both sides; making good all structures to Engineer's approval	2	nr			
C	pipes through 215mm thick blockwork external rising wall; making good blockwork around pipe; sealing both sides; making good all structures to Engineer's approval	15	nr			
D	pipes through 215mm thick blockwork internal rising wall; making good blockwork around pipe; sealing both sides; making good all structures to Engineer's approval	32	nr			
	RIGID SHEET COVERING & DECKING					
	Fosroc proofex sheet drain 80 protection board or equivalent; to lift RC walls; all in accordance with Architects drawings & Specifications					
	Covering					
E	vertical; >300mm	32	m2			

	Description	Qty	Unit	Rate	€	c
	EL (19) SUBSTRUCTURE (Cont'd)					
	WOODWORK					
	IRONMONGERY, ACCESSORIES AND SUNDRIES					
	Xtratherm XT/UF or equivalent polyisocyanurate rigid insulation; Insulation: to be a rigid Plyisocyanurate (PIR) core between low emissivity foil facings; insualtion to achieve a u-value of 0.15W/m2K for the floor element; all installations in accordance with manufactueres instructions; all in accordance with Architect & Engineers drawings and specifications					
A	thermal; horizontial under floor slab; 100mm thick	948	m2			
B	thermal; vertical permiter; 30mm thick; 250mm wide	530	m			
C	thermal; vertical to treshold; 60mm thick 250mm wide	38	m			
	DRAINAGE					
	BELOW GROUND					
D	Excavation; commencing at level of hardcore under concrete slab; through compacted hardcore average 250mm thick, stabilising membrane on sub-soils		Note			
	Excavating trenches					
	Pipes < or equal 250 mm diameter ;excavating trenches through compacted hardcore base; earthwork support; backfilling with selected hardcore material					
E	average depth 500 - 1000mm (RWP - drainage)	29	m			
F	average depth 500 - 1000mm (SVP - drainage)	215	m			
	Disposal					
G	ground water		item			
H	surface water		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (19) SUBSTRUCTURE (Cont'd)					
	Beds and surrounds					
	Beds and surrounds; granular material; free draining 10mm single sized shingle; as specified					
A	width 450mm and thickness 450mm; pipe diameter 110mm (RWP - drainage)	29	m			
B	width 450mm and thickness 450mm; pipe diameter 110mm (SVP - drainage)	215	m			
	"Wavin" uPVC pipes to I.S.424:1990 or equivalent, laid and jointed with socket joints with rubber rings in running lengths, in accordance with the manufacturers printed instructions					
	Pipes					
C	nominal pipe diameter 110mm (RWP - drainage)	29	m			
D	nominal pipe diameter 110mm; short lengths < or = 3.00m (RWP - drainage)	17	nr			
E	nominal pipe diameter 110mm (SVP - drainage)	215	m			
F	nominal pipe diameter 110mm; short lengths < or = 3.00m (SVP - drainage)	40	nr			
	Extra over pipes on which they occur for; fittings					
G	90 degree bends : 110mm diameter pipe (RWP - drainage)	34	nr			
H	90 degree bends : 110mm diameter pipe (SVP - drainage)	80	nr			

	Description	Qty	Unit	Rate	€	c
	EL (19) SUBSTRUCTURE (Cont'd)					
	ACO Drainage channels, ACO threshold with removable aluminium heelguard grating, 61 x 100mm or equivalent; gratings to Architects details complete with heel guard protection on grating; constant depth of drainage channels with galvanised steel edge rail with perforated galvanised steel heel guard grating with gully assembly and bucket for 110mm discharge pipe to main system; system to be fully certified and to BS EN 1433:2002 or equivalent polypropylene linear drainage channel system; 150mm thick C20/25 insitu concrete foundation and haunching; formwork as necessary; all installations in accordance with manufacturers instructions; all in accordance with Engineers drawings and specifications					
	Drainage Channel					
A	generally (thresholds)	45	m			
	Extra over for					
B	proprietary sumps to aco drains manufacturer design; 510mm deep plastic sump unit with galvanised steel silt bucket	19	nr			
C	outlets	19	nr			
D	ends	38	nr			
E	bends	2	nr			

Description	Qty	Unit	Rate	€	c
EL (19) SUBSTRUCTURE (Cont'd)					
COLLECTION					
Page No. BQ/170					
Page No. BQ/171					
Page No. BQ/172					
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Description	Qty	Unit	Rate	€	c
EL (19) SUBSTRUCTURE (Cont'd)					
COLLECTION					
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Page No. BQ/196					
Page No. BQ/197					
EL (19) SUBSTRUCTURE **Carried to Summary**					

	Description	Qty	Unit	Rate	€	c
	EL (21) EXTERNAL WALLS					
	INFORMATION					
	1. The Contractor is advised that the Architect's, Structural and Services Engineer's Drawings and Specifications (Works Requirements) are all complimentary to each other and should be read in conjuntion with one another.		Note			
	2. The Contractor shall refer to the Drawings and Specifications included in the Works Requirements, Volume A.		Note			
	CONCRETE WORK					
	IN-SITU CONCRETE					
	Insitu concrete; grade C40/50; maximum aggregate size 20mm; chloride class Cl 0.40; vibrator compacted; all in accordance with Engineers drawings and specifications					
	Walls; reinforced					
A	thickness > 150mm	153	m3			
	Cills / Seat					
B	200mm high x 450mm wide with drip recess (refer to Engineers Drg 4001-Detail 15 for further details)	3	m3			
	SUNDRIES					
	Surface finishes					
C	trowelling; falls (cills)	5	m2			
	REINFORCEMENT					
	Steel bar reinforcement to BS4449; high yield steel with characteristic strength 500MPa; hot rolled deformed bars; bending and cutting to BS8666; concrete cover to BSEN1992 (EC2); all in accordance with Engineers drawings and specifications					
	Bar; straight or bent					
D	diameter not exceeding 12mm	19.80	t			

	Description	Qty	Unit	Rate	€	c
	EL (21) EXTERNAL WALLS (Cont'd)					
A	diameter over 12mm but not exceeding 25mm	5.40	t			
	Links					
B	diameter not exceeding 12mm	2.52	t			
	FORMWORK					
	Fine smooth finish; fairfaced finish; all in accordance with Architects & Engineers drawings and specifications					
	Walls					
C	attached; rectangular	1,502	m2			
D	area of opening not exceeding 1.00 & exceeding or equal 5.00m2 (Window Type B 1135mm wide x 2710mm high)	1	nr			
E	area of opening not exceeding 1.00 & exceeding or equal 5.00m2 (Window Type F - 1135mm wide x 2925mm high)	4	nr			
F	area of opening not exceeding 1.00 & exceeding or equal 5.00m2 (Window Type G - 1135mm wide x 2925mm high)	2	nr			
G	area of opening not exceeding 1.00 & exceeding or equal 5.00m2 (Window Type H - 1135mm wide x 2025mm high)	2	nr			
H	area of opening not exceeding 1.00 & exceeding or equal 5.00m2 (Window Type M - 910mm wide x 2250mm high)	2	nr			
I	area of opening not exceeding 1.00 & exceeding or equal 5.00m2 (Window Type Q - 1585mm wide x 2250mm high)	3	nr			
J	area of opening not exceeding 1.00 & exceeding or equal 5.00m2 (Window Type S - 910mm wide x 2400mm high)	2	nr			
K	area of opening not exceeding 1.00 & exceeding or equal 5.00m2 (Door Type C - 1810mm wide x 3150mm high)	7	nr			
L	area of opening not exceeding 1.00 & exceeding or equal 5.00m2 (Door Type G - 1810mm wide x 2260mm high)	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (21) EXTERNAL WALLS (Cont'd)					
A	area of opening not exceeding 1.00 & exceeding or equal 5.00m2 (Curtain Wall Type 3)	1	nr			
B	area of opening not exceeding 1.00 & exceeding or equal 5.00m2 (Curtain Wall Type 4 - 890mm wide x 2510mm high)	1	nr			
C	area of opening exceeding 5.00m2	68	m2			
	Fair faced smooth finish; shuttering required to cill seat detail including inner leaf of cavity wall as detailed; all in accordance with Architects & Engineers drawings and specifications					
	Cill /Seat					
D	>500mm; horizontal and vertical as detailed to from wall seat detail (refer to Engineers Drg 4001-Detail 15 for further details and requirements)	12	m2			
	Extra over					
E	forming 60mm radius to the seat	10	m			
F	forming drip recess to underside of seat as detailed	10	m			
	PRECAST CONCRETE					
	Precast/Pre stressed reinforced concrete lintels to EN 845-2; reinforcement to suit spans; fine textured finish for fairfaced work; install in accordance with manufacturer's instructions; all in accordance with Engineers drawings and specifications; refer to Engineers Elevation Drawing Nr 3000 for further details & requirements					
	Lintels					
G	width 215mm; height 65mm; 1435mm long	6	nr			
H	width 215mm; height 65mm; 1435mm long	1	nr			
I	width 215mm; height 65mm; 1660mm long	4	nr			
J	width 215mm; height 65mm; 1760mm long	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (21) EXTERNAL WALLS (Cont'd)					
A	width 215mm; height 65mm; 2210mm long	1	nr			
B	width 215mm; height 65mm; 2460mm long	2	nr			
C	width 215mm; height 65mm; 1660mm long	1	nr			
D	width 215mm; height 65mm; 2315mm long	1	nr			
E	width 215mm; height 65mm; 2110mm long	1	nr			
	BRICKWORK AND BLOCKWORK					
	BLOCKWORK					
	Concrete Common Blockwork to External Walls; Blocks: To BS EN 771-3; Manufacturer: Contractor's choice; Product reference: Contractor's choice; Configuration: Group 1; Compressive strength: Mean value: 7.5N/mm2; Characteristic value: 7.5N/mm2; Category: I; Freeze/ Thaw resistance: Suitable for exposed external use below dpc; Thermal properties: N/A; Recycled content: Contractor's choice; Work sizes (length x width x height): 440 x 215 x 215 mm; Tolerance category: D2; Special shapes: Half sizes; Additional requirements: Reaction to fire class: A1; Mortar: Min. M4, As section Z21; Standard: To BS EN 998-2; Mix: 1:1:6 cement:lime:sand; 10mm joints; bedding, jointing & bucket handle pointing; Additional requirements: Durability: Freeze/ thaw resistance: Suitable for exposed external use below dpc; Bond: Block on flat; all installations in accordance with Architects drawings & specifications					
	Walls; common blockwork					
F	thickness 100mm	710	m2			
G	thickness 215mm (block on flat)	12	m2			
	Extra over for					

	Description	Qty	Unit	Rate	€	c
	EL (21) EXTERNAL WALLS (Cont'd)					
A	forming reccess into blockwork walls on external leaf to allow for down pipe installaton; 235mm wide x 180mm into blockwork/cavity; include for all DPC's, flashings, non corrosive fixings, boxing out, PVC stop beads and all other like items, for completion, refer to architects drawing 4114 detail 2 for further details; all installations in accordance with Architects drawings & specifications	56	m			
B	concrete base at bottom of down pipes; include for excavting, formwork, concrete, striking, curing, reinforcement, trowelleing and other like items for completion; refer to architects drawing 4114 detail 2 for further details; all installations in accordance with Architects drawings & specifications	14	nr			
	Concrete Common Blockwork to Internally Plastered External Walls; Blocks: To BS EN 771-3; Manufacturer: Contractor's choice; Product reference: Contractor's choice; Configuration: Group 1; Compressive strength: Mean value: 7.5N/ mm2; Characteristic value: 7.5N/mm2; Category: I; Freeze/ Thaw resistance: Suitable for exposed external use below dpc; Thermal properties: N/A; Recycled content: Contractor's choice; Work sizes (length x width x height): 440 x 215 x 215 mm; Tolerance category: D2; Special shapes: Half sizes; Additional requirements: Reaction to fire class: A1; Mortar: Min. M4, As section Z21; Standard: To BS EN 998-2; Mix: 1:1:6 cement:lime:sand; 10mm joints; bedding, jointing & bucket handle pointing; Additional requirements: Durability: Freeze/ thaw resistance: Suitable for exposed external use below dpc; Bond: Block on flat; all installations in accordance with Architects drawings & specifications					
	Walls; common blockwork					
C	thickness 215mm	142	m2			

	Description	Qty	Unit	Rate	€	c
	EL (21) EXTERNAL WALLS (Cont'd)					
	Fine textured hollow concrete blocks, fairfaced quality; Blocks: To BS EN 771-3; Manufacturer: Contractor's choice; Product reference: Contractor's choice; Configuration: Group 1; Compressive strength: Mean value: 7.5N/mm2; Characteristic value: 7.5N/mm2; Category: I; Freeze/ Thaw resistance: Suitable for exposed external use below dpc; Thermal properties: N/A; Recycled content: Contractor's choice; Work sizes (length x width x height): 440 x 215 x 215mm; Tolerance category: D2; Special shapes: Half sizes; Additional requirements: Reaction to fire class: A1; Mortar: Min. M4, As section Z21; Standard: To BS EN 998-2; Mix: 1:1:6 cement:lime:sand; 10mm joints; bedding, jointing & bucket handle pointing; all installations in accordance with Architects drawings & specifications					
	Walls; fairfaced blockwork to internal side					
A	thickness 215mm	206	m2			
B	thickness 215mm; at parapet	28	m2			
	Rough and fair cutting; fair vertical internal and external angles; raking out joints to form key; returns, ends, angles and the like; labour in eaves filling; building in ends; including any other necessary labours on blockwork					
	Labours; on common blockwork					
C	100mm thick		Item			
D	215mm thick		Item			

	Description	Qty	Unit	Rate	€	c
	EL (21) EXTERNAL WALLS (Cont'd)					
	Concrete u-blocks to match masonry; unit size 440x215x215mm; jointing and pointing in cement mortar to match wall masonry; composite construction to include grade C30/37 insitu reinforced concrete filling with 10mm maximum aggregate size; tamping concrete by hand and trowelling top surface; 2nr B16 longitudinal reinforcement bars; B16 reinforcement links at 200mm centres with 440mm Min. Bearing each side; temporary support where used to form lintels where required; all in accordance with Architect's & Engineers drawings and specificaitons;					
	Extra over for special blocks					
A	W215xH215mm	118	m			
	Labours; on blockwork					
B	215mm; u-blocks		item			

	Description	Qty	Unit	Rate	€	c
	EL (21) EXTERNAL WALLS (Cont'd)					
	Insulated thermal cellular glass blocks; Type - Foamglas Perinsul HL - or equivalent to Architect's approval, laid in a bed of mortar. Location: At Flat roof upstands - Ref. to architects drawings. Size: 65 x 100 440mm. Standard product features. Characteristics: Thermal performance is permanent and never changes. Manufactured from recycled glass (minimum 60%) and natural raw materials which are available in abundant supply - sand. The insulation is totally inorganic, contains no ozone depleting propellants (CFCs, HCFCs etc), flame resistant additives or binders; VOC or other volatile substances. For substrate quality and suitability, see Technical Guide TG1.- Foamglas Perinsul HL: Density (EN 1602, +/- 15%): 220 kg/m3. Length (EN 822, +/- 2 mm): 450 mm. Width (EN 822,+/- 2 mm): 100, 140 or 215 mm. Thermal conductivity (EN ISO 10456): 0.058 W/mK. Reaction to fire (EN 13501-1): Core material Euroclass A1. Point load (EN 12430): ? 1.0 mm. Compressive strength, mean per unit (capped with mortar (EN 772-1): 2.9 MPa. Load bearing capacity (safety factor 3 applied): 800 kPa. Thermal expansion coefficient (EN13471): 9 x 10-6 K. Flexural modulus of elasticity (EN12089) 1500 MN/m2. Concrete Block Association testing to BS EN 771. Impervious to water vapour (EN ISO 10456): u= infinity. Green Guide rating C. CEN Keymark: 001-BK-516-001-0020-T057.all installations in accordance with Manufacturers isntructions; all in accordance with Architects drawings and specifcations, refer to architects drawing 4113 detail 2 for further details and requirments					
	Walls					
A	thickness 215mm	4	m2			

	Description	Qty	Unit	Rate	€	c
	EL (21) EXTERNAL WALLS (Cont'd)					
	Ancon cast in dovetail slot anchor or equivalent to BS EN 845-2, austenitic stainless steel wall tie system; comprising Ancon 21/18 Omega Channel or equivalent cast into concrete member with Ancon SD21or equivalent Ties slotted into channel and built into blockwork at vertical centres to suit blockwork courses (450mm vertical centres); including flexible joint filler and sealant as required; all in accordance with Engineers drawings and specifications; refer to Engineers drawings for further details and requirements					
	Bonding to other work; reinforced concrete members					
A	215mm walls	101	m			
	Masonary support Titan 14 or equivalent, austenitic stainless steel wall head restraint system for non loadbearing and loadbearing walls; fixed to soffit of structural members; stainless steel fixings; install strictly in accordance with manufacturer's written instructions;all installations in accordance with manufacturer's instructions; all in accordance with Engineers/ Architect's drawings and specificaitons					
	Bonding to other work; wall head restraints; fixed to concrete beams or floor slabs; ties at 450mm centres					
B	215mm walls (horizontal) L1	134	m			

To Collection €

	Description	Qty	Unit	Rate	€	c
	EL (21) EXTERNAL WALLS (Cont'd)					
	Ancon MDC/P masonary support or equivalent BS EN 845-2, austenitic stainless steel wall head restraint system for non loadbearing and loadbearing walls; GK=14Kn/M; fixed to soffit of structural members; stainless steel fixings; install strictly in accordance with manufacturer's written instructions; all installations in accordance with manufacturer's instructions; all in accordance with Engineers/ Architect's drawings and specificaitons					
	Bonding to other work; wall head restraints; fixed to concrete beams or floor slabs; ties at 450mm centres					
A	215mm walls (horizontal) L2	50	m			
	Ancon SBK masonry/concrete support or equivalent; fixed to RC Beams & walls/ masonry blockwork; restrainst system for external walls; fixed to soffit of structural members; stainless steel fixings; install strictly in accordance with manufacturers written instructions; all installations in accordance with Engineers & Architects drawings and specifications					
	Bonding to other work; wall head restraints; fixed to concrete beams or floor slabs; ties at 450mm centres					
B	215mm walls (horizontal) L3	38	m			
C	215mm walls (horizontal) L4	4	m			

	Description	Qty	Unit	Rate	€	c
	EL (21) EXTERNAL WALLS (Cont'd)					
	Ancon SDB wall ties or equivalent , austenitic stainless steel wall ties; shot fixed to top and bottom of steel angle at 450mm c/c; stainless steel fixings; install strictly in accordance with manufacturer's written instructions;all installations in accordance with manufacturer's instructions; all in accordance with Engineers/ Architect's drawings and specificaitons (Refer to engineers drawing 4004 detail 40 & 41 for further details and requirments)					
	Bonding to other work; wall ties					
A	masonry walls fixed to steel angle	40	m			
	Movement joint; 30mm thick; between new and existing walls at 450mm c/c; all in accordance with engineers drawings and specifications; DR-SE-4001					
B	depth exceeding 150mm	35	m			

	Description	Qty	Unit	Rate	€	c
	EL (21) EXTERNAL WALLS (Cont'd)					
	ANCILLARIES TO BRICKWORK/BLOCKWORK					
	Form cavity between walls; heavy duty stainless steel double drip, double triangle wall ties to BS 1243; Centres: 225mm c/c Manufacturer: Contractor's choice; Prdouct Reference: Contractors choice; Sizes 300mm; Tie mounted insualtion retaining clips: As recommended by the manufacturer; Partial fill cavity insulation - Wall Type 1 & 5 External Wall Type 1 - To block inner leaf to achieve wall U-value of 0.17 W/m2K. Insulation: Xtratherm Thin-R XT/CW T&G board, comprising a rigid Polyisocyanurate (PIR) core between low emissivity foil facings - or equivalent to Architects approval. Recycled content: Not applicable Not applicable. Face size (length x width): 1200 x 450 mm. Thickness (nominal): 100mm. Thermal conductivity: 0.022 W/mK. Reaction to fire class: NPD. Additional requirements: The partial fill cavity wall insulation shall be Xtratherm Thin-R XT/CW T&G manufactured to EN 13165 by Xtratherm, comprising a rigid Polyisocyanurate (PIR) core between low emissivity foil facings. The XT/CW T&G 100mm with a Agrement declared Lambda value of 0.022 W/mK to achieve a U value of 0.17W/m2K for the wall element. To be installed in accordance with instructions issued by Xtratherm. Placement: Secure against face of inner leaf. Residual cavity: Clear and unobstructed. Joints between boards, at closures and penetrations: No gaps and free from mortar and debris; all installations in accordance with Manufacturers isntructions; all in accordance with Architects drawings and specifcations					
	Forming cavities; between new walls					
A	width 160mm; between blockwork walls	519	m2			
B	width 160mm; between blockwork wall & RC Wall	182	m2			

Description	Qty	Unit	Rate	€	c
EL (21) EXTERNAL WALLS (Cont'd)					
Form cavity between walls; heavy duty stainless steel double drip, double triangle wall ties to BS 1243; Centres: 225mm c/c Manufacturer: Contractor's choice; Prdouct Reference: Contractors choice; Sizes 300mm; Tie mounted insualtion retaining clips: As recommended by the manufacturer; Partial fill cavity insulation - Wall Type 5 External Wall Type 5 - To block inner leaf to achieve wall U-value of 0.17 W/ m2K. Insulation: Xtratherm Thin-R XT/CW T&G board, comprising a rigid Polyisocyanurate (PIR) core between low emissivity foil facings - or equivalent to Architects approval. Recycled content: Not applicable Not applicable. Face size (length x width): 1200 x 450 mm. Thickness (nominal): 100mm. Thermal conductivity: 0.022 W/mK. Reaction to fire class: NPD. Additional requirements: The partial fill cavity wall insulation shall be Xtratherm Thin-R XT/CW T&G manufactured to EN 13165 by Xtratherm, comprising a rigid Polyisocyanurate (PIR) core between low emissivity foil facings. The XT/CW T&G 100mm with a Agrement declared Lambda value of 0.022 W/mK to achieve a U value of 0.17W/m2K for the wall element. To be installed in accordance with instructions issued by Xtratherm. Placement: Secure against face of inner leaf. Residual cavity: Clear and unobstructed. Joints between boards, at closures and penetrations: Insulation: EPS (or equivalent approved by Architect). Product certification: BS EN ISO 9001 Quality Management System. BS EN ISO 14001 Environmental Management System. EN 13163 - Factory made expanded polystyrene (EPS) products. Manufacturer: Ceresit Cemetherm or equivalent. Recycled content: Not applicable. Face size (length x width): 1200 x 600 mm. Thickness (nominal): 800mm. Thermal conductivity: 0.031 W/Mk. Reaction to fire class: F; No gaps and free from mortar and debris; all installations in accordance with Manufacturers isntructions; all in accordance with Architects drawings and specifcations					
Forming cavities; between new walls					

	Description	Qty	Unit	Rate	€	c
	EL (21) EXTERNAL WALLS (Cont'd)					
A	width 240mm; between blockwork walls	27	m2			
	Form cavity between walls; heavy duty stainless steel double drip, double triangle wall ties to BS 1243; Centres: 225mm c/c Manufacturer: Contractor's choice; Prdouct Reference: Contractors choice; Sizes 300mm; Tie mounted insualtion retaining clips: As recommended by the manufacturer; 155C Partial fill cavity insulation - Wall Type 2&3 External Wall Type 2&3 - To Trespa Cladding to achieve wall U-value of 0.18 W/m2K (measured eleswhere). Insulation: Rockwool Duo Slab Rock wool batts to BS EN 13162- Or equivalent approved by Architect. Product certification: British Board of Agrement (BBA) Certificate number: 17/5402. Manufacturer: Rockwool. Product reference: Rainscreen Duo Slab. Recycled content: Not applicable. Face size (length x width): 1200 x 600 mm. Thickness (nominal): 180mm. Thermal conductivity: 0.035 W/mK. Reaction to fire class: A10 Additional requirements: Note: 80mm cavity. Placement: Secure against face of inner leaf. Residual cavity: Clear and unobstructed. Joints between boards, at closures and penetrations: No gaps and free from mortar and debris. All installations in accordance with Manufacturers isntructions; all in accordance with Architects drawings and specifcations					
	Forming cavities; between new walls					
B	width 180mm between aluminium supported cladding system and 215mm block wall	99	m2			
C	width 180mm between aluminium supported cladding system and 215mm RC wall	159	m2			
D	width 180mm between aluminium supported cladding system and 200mm RC floor slab	6	m2			

	Description	Qty	Unit	Rate	€	c
	EL (21) EXTERNAL WALLS (Cont'd)					
	Form cavity between walls; heavy duty stainless steel double drip, double triangle wall ties to BS 1243; Centres: 225mm c/c Manufacturer: Contractor's choice; Prdouct Reference: Contractors choice; Sizes 300mm; Tie mounted insualtion retaining clips: As recommended by the manufacturer;155E External Insulation to External Wall Type 4. Insulation: EPS (or equivalent approved by Architect). Product certification: BS EN ISO 9001 Quality Management System. BS EN ISO 14001 Environmental Management System. EN 13163 - Factory made expanded polystyrene (EPS) products. Manufacturer: Ceresit Cemetherm or equivalent. Recycled content: Not applicable. Face size (length x width): 1200 x 600 mm. Thickness (nominal): 160mm. Thermal conductivity: 0.031 W/Mk. Reaction to fire class: F. Additional requirements: Insulation to form part of a certified external insulation cladding system with single point warranty. Placement: Secure against outer face of wall. Joints between boards, at closures and penetrations: No gaps. All installations in accordance with Manufacturers isntructions; all in accordance with Architects drawings and specifcations					
	Forming cavities; between new walls					
A	width 160mm between aluminium supported cladding system and 215mm block wall	210	m2			
	Rockwool or equivalent Fire pro coated batts strip firestopping material with minimum 120mins fire resistance; 240 mins integrity, 180kg density; select sizes from standard range to suit gap size and wall thockness; install stricyly in accordance with Manufacturers instructions; all in accordance with Architects drawings and specifcations; refer to Architect drawing 4009 for further details and requiremnts					
	Closing cavities; top of masonry parapet walls					

	Description	Qty	Unit	Rate	€	c
	EL (21) EXTERNAL WALLS (Cont'd)					
A	cavity width 140mm x 120mm high	42	m			
B	cavity width 160mm x 120mm high	119	m			
C	cavity width 180mm x 120mm high	13	m			
	Closing cavities; top of masonry walls at eaves					
D	cavity width 160mm x 120mm high	40	m			
	Closing cavities; top of masonry gable walls; raking					
E	cavity width 160mm x 120mm high	40	m			
	Closing cavities; horizontal					
F	cavity width 160mm x 120mm high	10	m			
	Damp proof courses Manufacturer: IKO -or equivalent to Architects approval Accessories: Proprietary standard preformed cloaks at all roof, wall and floor membrane, finishes and structures; Material: Polypropylene; all installations in accordance with Architect's/ Engineer's drawings and specifications					
	Damp proof courses					
G	width exceeding 225mm; stepped	21	m2			
H	width exceeding 225mm; stepped; above insitu window cill	6	m2			
I	width exceeding 225mm; stepped; at parapet & verges	63	m2			
J	width exceeding 225mm; raking; cladding/blockwork wall junction	51	m2			
K	width exceeding 225mm; raking; gutters/verges/mono ridges/flat roof parapet	33	m2			
L	width exceeding 225mm; stepped; flat roof abutments	30	m2			

	Description	Qty	Unit	Rate	€	c
	EL (21) EXTERNAL WALLS (Cont'd)					
	PPC ALU Extruded Cill; Profile Height 50mm; 40mm out from wall; 2mm thick material; PPC finish in colour TBC by Architect for approval; include for aluminium concealed support clips mechanically fixed to blockwork/cladding; steel support angle or subframe as appropriate; all cills to be designed, fabricated, cills to have upturned cut out plaster stop; EPDM membrane to underside; installed and weathered in accordance with the window manufacturer's instructions & requirements; all installations in accordance with Architect drawings and specifcations; refer to Architect drawings 4103 details 1 & 2 for further details					
	Composite items; cill above plinth; linear measure notwithstanding ARM4					
A	width 215mm	182	m			
B	extra over cill for closed end	120	nr			
	ROOFING, CLADDING AND WATERPROOFING					
	RIGID SHEET COVERINGS					
C	Notwithstanding the provisions of ARM Work Section I, wall cladding is measured as a composite item and is deemed to include all supports, brackets, stainless steel fixings, supports, insulation, weatherings, EPDMS and vapour barriers etc. as required to completed installations		Note			

To Collection €

	Description	Qty	Unit	Rate	€	c
	EL (21) EXTERNAL WALLS (Cont'd)					
	Sheet cladding Support structure: Trespa Meteon or equivalent 6mm decorative high pressure compact laminate cladding panels fixed to aluminium support system using colour matched rivets, Colour: as per elevations (Anthracite grey), 70mm ventilated air cavity, Nvelope NH3 or equivalent aluminium rainscreen subframe system with Nvelope Thermal Pad or equivalent thermal isolation pads between bracket and blockwork, bracket size 210mm, total system depth 250mm, 180mm rockwool duc-slab or equivalent stone wool insulation, max thermal conductivity of insulation 0.035W/mk. wall to acheive min u-value 0.18w/m2K, insulation fixed onto 215mm solid blockwork & 215RC inner leaf; cavity barriers: to perimeter, including all necessary breather membrane, vapour control layers as per manufacturers requirements, all installations in accordance with Manufacturer's instructions; all in accordance with Architects/Engineers drawings and specifications					
	Coverings; fixed to blockwork walls					
A	vertical; width over 300mm	144	m2			
	Coverings; fixed to reinforced concrete walls					
B	vertical; width over 300mm	107	m2			
	Flashing/ weathering details complete with all required supports and fixings; including all movement joints; fixings, lapping; sealing and jointing all strictly in accordance with the manufacturers printed instructions; all in accordance with the Architects and Engineers drawings and specifications					
	Flashings					
C	internal corner flashings	14	m			
D	external corner flashings	8	m			
E	window/door heads	31	m			
F	window/door jambs	72	m			

	Description	Qty	Unit	Rate	€	c
	EL (21) EXTERNAL WALLS (Cont'd)					
A	insect mesh	64	m			
	Extra over for					
B	forming reccess into blockwork walls on external leaf to allow for down pipe installaton; 235mm wide x 180mm into cladding/cavity; include for all DPC's, flashings, non corrosive fixings, boxing out, PVC stop beads and all other like items, for completion, refer to architects drawing 4114 detail 2 for further details; all installations in accordance with Architects drawings & specifications	38	m			
C	concrete base at bottom of down pipes; include for excavting, formwork, concrete, striking, curing, reinforcement, trowelleing and other like items for completion; refer to architects drawing 4114 detail 2 for further details; all installations in accordance with Architects drawings & specifications	6	nr			
D	10mm cerseit ceretherm popular or equivalent through coloured reinforced acrylic render system on 15mm cement board mechanically fixed to inner leaf; in accordance with the manufacturers instructions; all in accordance with the Architects and Engineers drawings and specifications (refer to architects drawing 4104 detail 2 "External Cladding Plinth with Concrete Wall Inner Leaf"), for further details and requirments	36	m			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (21) EXTERNAL WALLS (Cont'd)					
	Sheet cladding Support structure: Trespa Meteon or equivalent 6mm decorative high pressure compact laminate cladding panels fixed to aluminium support system using colour matched rivets, Colour: as per elevations (Red Orange), 115mm ventilated air cavity, Nvelope NH3 or equivalent aluminium rainscreen subframe system with Nvelope Thermal Pad or equivalent thermal isolation pads between bracket and blockwork, bracket size 270mm, total system depth 295mm, 180mm rockwool duc-slab or equivalent stone wool insulation, max thermal conductivity of insulation 0.035W/mk. wall to acheive min u-value 0.18w/m2K, insulation fixed onto 215mm block on flat inner leaf; cavity barriers: to perimeter, including all necessary breather membrane, vapour control layers as per manufacturers requirements, all installations in accordance with Manufacturer's instructions; all in accordance with Architects/Engineers drawings and specifications					
	Coverings; fixed to insitu concrete walls					
A	vertical; width over 300mm	81	m2			

	Description	Qty	Unit	Rate	€	c
	EL (21) EXTERNAL WALLS (Cont'd)					
	Sheet cladding Support structure: Trespa Meteon or equivalent 6mm decorative high pressure compact laminate cladding panels fixed to aluminium support system using colour matched rivets, Colour: as per elevations (Red Orange), 65mm ventilated air cavity, Nvelope NH3 or equivalent aluminium rainscreen subframe system with Nvelope Thermal Pad or equivalent thermal isolation pads between bracket and blockwork, bracket size 220mm, total system depth 245mm, 180mm rockwool duc-slab or equivalent stone wool insulation, max thermal conductivity of insulation 0.035W/mk. wall to acheive min u-value 0.18w/m2K, insulation fixed onto cast insitu concrete structural slab; cavity barriers: to perimeter, including all necessary breather membrane, vapour control layers as per manufacturers requirements, all installations in accordance with Manufacturer's instructions; all in accordance with Architects/Engineers drawings and specifications					
	Coverings; fixed to underside of insitu concrete slab					
A	horizontal; width over 300mm (Soffit)	5	m2			
	Flashing/ weathering details complete with all required supports and fixings; including all movement joints; fixings, lapping; sealing and jointing all strictly in accordance with the manufacturers printed instructions; all in accordance with the Architects and Engineers drawings and specifications					
	Flashings					
B	internal corner flashings	13	m			
C	external corner flashings	18	m			
D	window/door heads	15	m			
E	window/door jambs	28	m			
F	insect mesh	15	m			
	Extra over for					
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (21) EXTERNAL WALLS (Cont'd)					
A	forming reccess into blockwork walls on external leaf to allow for down pipe installaton; 235mm wide x 180mm into cladding/cavity; include for all DPC's, flashings, non corrosive fixings, boxing out, PVC stop beads and all other like items, for completion, refer to architects drawing 4114 detail 2 for further details; all installations in accordance with Architects drawings & specifications	15	m			
B	concrete base at bottom of down pipes; include for excavting, formwork, concrete, striking, curing, reinforcement, trowelleing and other like items for completion; refer to architects drawing 4114 detail 2 for further details; all installations in accordance with Architects drawings & specifications	2	nr			
	FLEXIBLE SHEET METAL COVERINGS					
	Milled lead sheet to B.S. 1178, code Nr. 5; fixing with milled lead tacks; 2nr. coats of patination oil; all as per Specification; finished in coulour to match roof finish with membrane; all installations in accordance with manufacturer's details; all in accordance with Architect's drawings and specifications					
	Cover Flashings					
C	girth 150 - 300mm; 1 No. bends; dressing into wall and over flat roof covering; welt turndown edge; including chasing into existing wall 25mm and sealant; wedging into joint in blockwork; raking out joint 25mm deep and pointing with cement mortar (1:1); all installations in accordance with Manufacturers instructions; all in accordance with Architects and Engineers drawings and specifcations; refer to Architects drawing 4113 - Detail 1 for further details and requirements	14	m			

	Description	Qty	Unit	Rate	€	c
	EL (21) EXTERNAL WALLS (Cont'd)					
	WOODWORK					
	SUNDRIES					
	Arc Cavity Stop Sock or equivalent Cavity Barriers; Standard: To EN1366-4 and -22; Fire resistance: To BS 476-20 and -22, 60 minutes integrity and insulation; Type/ Material: Wire reinforced mineral wool; Thickness: 160 mm; all installations in accordance with Manufacturers instruction; all in accordance with Architects drawings & specifcations; refer to Architect drawing 1202 for further details & requirements					
	Seals; firestopping; vertical;					
A	cavity width 160mm; between concrete & block	52	m			
B	cavity width 160mm; between blockwork	36	m			
	Arc Cavity Stop Sock or equivalent Cavity Barriers; Standard: To EN1366-4 and -22; Fire resistance: To BS 476-20 and -22, 60 minutes integrity and insulation; Type/ Material: Wire reinforced mineral wool; Thickness: 250 mm; all installations in accordance with Manufacturers instruction; all in accordance with Architects drawings & specifcations; refer to Architect drawing 1202 for further details & requirements					
	Seals; firestopping; vertical;					
C	cavity width 250mm; between concrete & block	12	m			
D	cavity width 250mm; between blockwork & cladding	12	m			

To Collection €

	Description	Qty	Unit	Rate	€	c
	EL (21) EXTERNAL WALLS (Cont'd)					
	Arc Cavity Stop Sock or equivalent Cavity Barriers; Standard: To EN1366-4 and -22; Fire resistance: To BS 476-20 and -22, 60 minutes integrity and insulation; Type/ Material: Wire reinforced mineral wool; Thickness: 300 mm; all installations in accordance with Manufacturers instruction; all in accordance with Architects drawings & specifcations; refer to Architect drawing 1202 for further details & requirements					
	Seals; firestopping; vertical;					
A	cavity width 3000mm; between concrete & cladding	8	m			
	Arc Cavity Stop Sock or equivalent Cavity Barriers; Standard: To EN1366-4 and -22; Fire resistance: To BS 476-20 and -22, 60 minutes integrity and insulation; Type/ Material: Wire reinforced mineral wool; Thickness: 160 mm; all installations in accordance with Manufacturers instruction; all in accordance with Architects drawings & specifcations; refer to Architect drawing 1202 for further details & requirements					
	Seals; firestopping; horizontall;					
B	cavity width 160mm	118	m			
C	cavity width 160mm; Raking	40	m			
	Arc Cavity Stop Sock or equivalent Cavity Barriers; Standard: To EN1366-4 and -22; Fire resistance: To BS 476-20 and -22, 60 minutes integrity and insulation; Type/ Material: Wire reinforced mineral wool; Thickness: 180 mm; all installations in accordance with Manufacturers instruction; all in accordance with Architects drawings & specifcations; refer to Architect drawing 1202 for further details & requirements					
	Seals; firestopping; horizontall;					
D	cavity width 180mm; Link Parapet	14	m			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (21) EXTERNAL WALLS (Cont'd)					
A	cavity width 180mm; between concrete and cladding; see architects drawing 4105 for further details	10	m			
	INSULATION					
	Xtratherm Thin-R XT/CW T&G board or equivalent, comprising a rigid Polyisocyanurate (PIR) core between low emissivity foil facings - or equivalent to Architects approval. Recycled content: Not applicable Not applicable. Face size (length x width): 1200 x 450 mm. Thickness (nominal): 100mm. Thermal conductivity: 0.022 W/mK. Reaction to fire class: NPD. Additional requirements: The partial fill cavity wall insulation shall be Xtratherm Thin-R XT/CW T&G manufactured to EN 13165 by Xtratherm, comprising a rigid Polyisocyanurate (PIR) core between low emissivity foil facings. The XT/CW T&G 100mm with a Agrement declared Lambda value of 0.022 W/mK to achieve a U value of 0.17W/m2K for the wall element. To be installed in accordance with instructions issued by Xtratherm. Placement: Secure against face of inner leaf. Residual cavity: Clear and unobstructed. Joints between boards, at closures and penetrations: No gaps and free from mortar and debris; all installations in accordance with Manufacturers isntructions; all in accordance with Architects drawings and specifcations; refer to architects drawing 4113 detail 1 for further details and requirments					
	Thermal					
B	300 x 60mm wide	14	m			
C	40 x 100mm wide; raking	84	m			

	Description	Qty	Unit	Rate	€	c
	EL (21) EXTERNAL WALLS (Cont'd)					
	157 Specialist rigid thermoplastic insulation used for thermal bridging detailing, including at window & door thresholds compacfoam 200 - or equivalent to Architect's approval. Locations: Under windows - Ref Detail drawing no. 4101. Thermal conductivity = 0.046 W/mK. Average stress at 5%: 2.56 N/mm2. Average stress at 2%: 1.91 N/mm2. Modulus of elasticity in linear-elastic range (E-Module): 102 N/mm2. Recommended stress level (under service load): 1.01 N/mm2. Water vapour diffusion resistance factor: 25. Maximum water absorptive capacity during complete submersion: 5-10%. Material behaviour in response to fire, according to EN 13501: Euroclass E. Elongation at maximum force (maximum strain at failure load): >10%. Final creep rate (anticipated long-term deformation at serviceability limit state: <3%. Dimensions: Available in rectangular bars in four sizes. Width/ height: 100 mm x 150 mm/ 100 mm X 75 mm/ 100 mm X 50 mm/ 100mm X 20mm. Length: 0.98 m (980 mm). Other dimensions available to special order ; all installations in accordance with manufacturers instructions; all in accordance with Architects drawings and specifcations; refer to Architect drawings 4105 for further details & requirements					
	Thermal					
A	25 x 100mm wide	179	m			
B	40 x 100mm wide	179	m			
	Farrat TBK or equivalent thermal break; max thermal condcutivity of 0.2W/mk; all installations in accordance with manufacturers instructions; all in accordance with Architects drawings and specifcations; refer to Architect drawings 4105 for further details & requirements					
	Thermal					
C	10 x 100mm wide	179	m			

	Description	Qty	Unit	Rate	€	c
	EL (21) EXTERNAL WALLS (Cont'd)					
	Soudal Trade Expanding Gunfoam or equivalent; polyurethrane expanding foam with max thermal conductivity of 0.034W/ mK refer to drawing 4104 for further details & requirements					
	Thermal					
A	60 x 215mm wide	45	m			
	METALWORK					
	MASONRY SUPPORT ANGLES					
	Galvanised steel support angles; to support windows; include for drilling and fixing to reinforced concrete with M16 Grade 8.8 chemical anchors at 300mm centres; install strictly in accordance with manufacturer's written instructions; all in accordance with Engineers & Architects drawings and specifications; refer to architects drawing 4103 "Head and Cill detail at first floor level" for further details and requirements					
	Bars, rods and the like; support angles, floor support					
B	75 x100 x 6 steel angle	136	m			
C	203 x102 x 8 steel angle	57	m			

Description	Qty	Unit	Rate	€	c
EL (21) EXTERNAL WALLS (Cont'd)					
COLLECTION					
Page No. BQ/200					
Page No. BQ/201					
Page No. BQ/202					
Page No. BQ/203					
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Page No. BQ/219					
Page No. BQ/220					
Page No. BQ/221					
Page No. BQ/222					

Description	Qty	Unit	Rate	€	c
EL (21) EXTERNAL WALLS (Cont'd)					
COLLECTION					
Page No. BQ/223					
Page No. BQ/224					
Page No. BQ/225					
Page No. BQ/226					
EL (21) EXTERNAL WALLS **Carried to Summary**					

	Description	Qty	Unit	Rate	€	c
	EL (22) INTERNAL WALLS					
	INFORMATION					
	1. The Contractor is advised that the Architect's, Structural and Services Engineer's Drawings and Specifications (Works Requirements) are all complimentary to each other and should be read in conjuntion with one another.		Note			
	2. The Contractor shall refer to the Drawings and Specifications included in the Works Requirements, Volume A.		Note			
	CONCRETE WORK					
	IN-SITU CONCRETE					
	Insitu concrete; grade C30/37; maximum aggregate size 20mm; chloride class Cl 0.40; vibrator compacted; all in accordance with Engineers drawings and specifications					
	Walls; reinforced					
A	thickness > 150mm	33	m3			
	Lintels; reinforced					
B	cross section area not exceeding 0.10m2	1	m3			
	SUNDRIES					
	Wood floated finish to top surface of concrete; as per Architects Spec					
	Surface finishes; trowelling					
C	lintel	1	m2			
D	top of wall head	10	m2			

	Description	Qty	Unit	Rate	€	c
	EL (22) INTERNAL WALLS (Cont'd)					
	REINFORCEMENT					
	Steel bar reinforcement to BS4449; high yield steel with characteristic strength 500MPa; hot rolled deformed bars; bending and cutting to BS8666; concrete cover to BSEN1992 (EC2); all in accordance with Engineers drawings and specifications					
	Bar; straight or bent					
A	diameter not exceeding 12mm	5.10	t			
	Links					
B	diameter not exceeding 12mm	0.51	t			
	FORMWORK					
	Kickers					
C	walls - 215mm	48	m			
	Fine smooth finish formwork; all in accordance with Architects drawings & spec					
	Walls					
D	vertical	293	m2			
	Edges of openings; walls					
E	area of opening not exceeding 1.00 & exceeding or equal 5.00m2 (lifts)	1	nr			
F	area of opening not exceeding 1.00 & exceeding or equal 5.00m2	8	nr			
G	area of opening exceeding 5.00m2	10	m2			
	Lintels; attached; rectangular					
H	cross section area not exceeding 0.10m2	1	m2			
	Extra over on the above for forming 130mm thick recesses					
	Recesses					
I	840mm High x 830mm Long x 130mm Deep	9	nr			

	Description	Qty	Unit	Rate	€	c
	EL (22) INTERNAL WALLS (Cont'd)					
	PRECAST CONCRETE					
	Precast/Pre stressed reinforced concrete lintels to EN 845-2 with 2no H16 bar T&B and H ^Links at 100mm c/c with 40mm cover; reinforcement to suit spans; fine textured finish for fairfaced work; install in accordance with manufacturer's instructions; as Architect's and Engineers drawings and specifications					
	Lintels;					
A	width 215mm; height 215mm; 1210mm long	5	nr			
B	width 215mm; height 215mm; 1435mm long	9	nr			
C	width 215mm; height 215mm; 1660mm long	4	nr			
D	width 215mm; height 215mm; 1885mm long	2	nr			
E	width 215mm; height 215mm; 1985mm long (Existing Building)	1	nr			
F	width 215mm; height 215mm; 2110mm long	4	nr			
G	width 215mm; height 215mm; 2335mm long	2	nr			
H	width 215mm; height 215mm; 2560mm long	6	nr			
I	width 215mm; height 215mm; 2660mm long	2	nr			
J	width 215mm; height 215mm; 2700mm long (Existing Building)	4	nr			
K	width 215mm; height 215mm; 2785mm long	1	nr			
L	width 215mm; height 215mm; 3235mm long	3	nr			
M	width 215mm; height 215mm; 4360mm long	1	nr			
N	width 215mm; height 215mm; 1530mm long	2	nr			
O	width 215mm; height 215mm; 2530mm long	7	nr			
P	width 215mm; height 215mm; 1730mm long	4	nr			
Q	width 215mm; height 215mm; 2130mm long	2	nr			
R	width 215mm; height 215mm; 1130mm long	4	nr			

	Description	Qty	Unit	Rate	€	c
	EL (22) INTERNAL WALLS (Cont'd)					
	BRICKWORK AND BLOCKWORK					
	BLOCKWORK					
	Fine textured solid concrete blocks; Blocks: To BS EN 771-3; Manufacturer: Contractor's choice; Product reference: Contractor's choice; Configuration: Group 1; Compressive strength: Mean value: 7.5N/mm2; Characteristic value: 7.5N/mm2; Category: I; Freeze/ Thaw resistance: Suitable for exposed external use below dpc; Thermal properties: N/A; Recycled content: Contractor's choice; Work sizes (length x width x height): 440 x 215 x 100mm; Tolerance category: D2; Special shapes: Half sizes; Additional requirements: Reaction to fire class: A1; Mortar: Min. M4, As section Z21; Standard: To BS EN 998-2; Mix: 1:1:6 cement:lime:sand; 10mm joints; bedding, jointing & bucket handle pointing; all installations in accordance with Architects drawings & specifications					
	Walls; blockwork					
A	thickness 85mm; Reccessed Radiators	31	m2			
B	thickness 215mm	347	m2			
C	thickness 215mm; on flat	12	m2			

	Description	Qty	Unit	Rate	€	c
	EL (22) INTERNAL WALLS (Cont'd)					
	Fine textured hollow concrete blocks, fairfaced quality; Blocks: To BS EN 771-3; Manufacturer: Contractor's choice; Product reference: Contractor's choice; Configuration: Group 1; Compressive strength: Mean value: 4.5N/mm2; Characteristic value: 4.5N/mm2; Category: I; Freeze/ Thaw resistance: Suitable for exposed external use below dpc; Thermal properties: N/A; Recycled content: Contractor's choice; Work sizes (length x width x height): 440 x 100 x 215mm; Tolerance category: D2; Special shapes: Half sizes; Additional requirements: Reaction to fire class: A1; Mortar: Min. M4, As section Z21; Standard: To BS EN 998-2; Mix: 1:1:6 cement:lime:sand; 10mm joints; bedding, jointing & bucket handle pointing; all installations in accordance with Architects drawings & specifications					
	Walls; fairfaced blockwork					
A	thickness 85mm; Reccessed Radiators	28	m2			
B	thickness 215mm	652	m2			
	Fine textured hollow concrete blocks, fairfaced quality; Blocks: To BS EN 771-3; Manufacturer: Contractor's choice; Product reference: Contractor's choice; Configuration: Group 1; Compressive strength: Mean value: 7.5N/mm2; Characteristic value: 7.5N/mm2; Category: I; Freeze/ Thaw resistance: Suitable for exposed external use below dpc; Thermal properties: N/A; Recycled content: Contractor's choice; Work sizes (length x width x height): 440 x 215 x 215mm; Tolerance category: D2; Special shapes: Half sizes; Additional requirements: Reaction to fire class: A1; Mortar: Min. M4, As section Z21; Standard: To BS EN 998-2; Mix: 1:1:6 cement:lime:sand; 10mm joints; bedding, jointing & bucket handle pointing; all installations in accordance with Architects drawings & specifications					
	Walls; fairfaced blockwork					
C	thickness 215mm	22	m2			
	Extra over above for					

	Description	Qty	Unit	Rate	€	c
	EL (22) INTERNAL WALLS (Cont'd)					
A	filling hollowcore of blockwork with concrete grade C30/37; rebar to be installed in hollowcore as detailed; refer to Engineers drawings and specifications for further details and requirements	3	m3			
	Rough and fair cutting; fair vertical internal and external angles; raking out joints to form key; returns, ends, angles and the like; labour in eaves filling; building in ends; including any other necessary labours on brickwork/blockwork					
	Labours; on fairfaced blockwork					
B	solid; 215mm thick		Item			
	Concrete u-blocks to match masonry; unit size 440x215x215mm; jointing and pointing in cement mortar to match wall masonry; composite construction to include grade C30/37 insitu reinforced concrete filling with 10mm maximum aggregate size; tamping concrete by hand and trowelling top surface; 2nr B16 longitudinal reinforcement bars; B16 reinforcement links at 200mm centres with 440mm Min. Bearing each side; temporary support where used to form lintels where required; all in accordance with Architect's & Engineers drawings and specificaitons;					
	Extra over for special blocks					
C	W215xH215mm	292	m			
	Labours; on blockwork					
D	215mm; u-blocks		item			

	Description	Qty	Unit	Rate	€	c
	EL (22) INTERNAL WALLS (Cont'd)					
	Ancon cast in dovetail slot anchor or equivalent to BS EN 845-2, austenitic stainless steel wall tie system; comprising Ancon 21/18 Omega Channel or equivalent cast into concrete member with Ancon SD21or equivalent Ties slotted into channel and built into blockwork at vertical centres to suit blockwork courses (450mm vertical centres); including flexible joint filler and sealant as required; all in accordance with Engineers drawings and specifications; refer to Engineers drawings for further details and requirements					
	Bonding to other work; reinforced concrete members					
A	215mm walls	176	m			
	Ancon IHR.B or equivalent austenitic stainless steel wall head restraint system for non loadbearing walls; fixed to soffit of structural members; all installations in accordance with manufacturer's instructions; all in accordance with Engineers/ Architect's drawings and specificaitons					
	Bonding to other work; wall head restraints; fixed to concrete beams or floor slabs; ties at 450mm centres					
B	215mm walls	180	m			
	ANCILLARIES TO BLOCKWORK					
	Stainless steel wall ties; heavy duty butterfly type; located at junctions in fairfaced blockwork; all installations in accordance with manufacturer's instructions; all in accordance with Engineers/ Architect's drawings and specificaitons					
	Designed joints					
C	ties at 450mm centres	541	m			

	Description	Qty	Unit	Rate	€	c
	EL (22) INTERNAL WALLS (Cont'd)					
	WOODWORK					
	SUNDRIES					
	Rockwool or equivalent Fire pro coated batts strip firestopping material with minimum 30 minutes fire resistance; 240 minutes integrity, 180kg density; tested to PREN 1366 3; select sizes from standard range to suit gap size and wall thockness; install stricyly in accordance with Manufacturers instructions; all in accordance with Architects drawings and specifcations					
	Seals; firestopping; horizontal; sealing gap between top of blockwork wall and soffit of roof finish; allow for working around wall head restraint ties					
A	thickness 60mm; width 215mm	30	m			
	Seals; firestopping; horizontal; sealing gap between top of blockwork wall and soffit of precast hollowcore slab; allow for working around wall head restraint ties					
B	thickness 60mm; width 215mm	27	m			
	Seals; firestopping; horizontal; sealing gap between top of instu concrete wall and soffit of floor slab; allow for working around wall head restraint ties					
C	thickness 60mm; width 215mm	30	m			
	Seals; firestopping; sloping; sealing gap between top of blockwork wall and soffit of roof finish; allow for working around wall head restraint ties					
D	thickness 60mm; width 215mm	18	m			

	Description	Qty	Unit	Rate	€	c
	EL (22) INTERNAL WALLS (Cont'd)					
	Rockwool or equivalent Fire pro coated batts strip firestopping material with minimum 60 minutes fire resistance; 240 minutes integrity, 180kg density; tested to PREN 1366 3; select sizes from standard range to suit gap size and wall thockness; install stricyly in accordance with Manufacturers instructions; all in accordance with Architects drawings and specifcations					
	Seals; firestopping; horizontal; sealing gap between top of blockwork wall and soffit of roof finish; allow for working around wall head restraint ties					
A	thickness 60mm; width 215mm	105	m			
	Seals; firestopping; horizontal; sealing gap between top of instu concrete wall and soffit of floor slab; allow for working around wall head restraint ties					
B	thickness 60mm; width 215mm	67	m			
	Seals; firestopping; sloping; sealing gap between top of blockwork wall and soffit of roof finish; allow for working around wall head restraint ties					
C	thickness 60mm; width 215mm	25	m			

To Collection €

	Description	Qty	Unit	Rate	€	c
	EL (22) INTERNAL WALLS (Cont'd)					
	FLOOR WALL AND CEILING FINISHINGS					
	STUD PARTITIONS					
	IPS panels to Student WC cubicles. Manufacturer: Prospec Ltd or equivalent. Panels; Height (overall): Full height. Floor clearance: Manufacturer's standard. Core material: Solid grade laminate. Thickness: Manufacturer's standard 16mm nominal. Facings: Manufacturer's standard. Colour/ Pattern/ Species: From standard colour range. Edge treatment: Manufacturer's standard. Wall support: Manufacturer's standard. Other requirements: Concealed fixings. ; all installations in accordance with manufacturer's instructions; all in accordance with Engineers/ Architect's drawings and specificaitons					
	Partitions; duct and access panel system; wc cubicle units					
A	2260mm high x 900mm wide; cubicles WC IPS panels	1	nr			
B	2260mm high x 970mm wide; cubicles WC IPS panels	3	nr			
C	2260mm high x 1886mm wide; with 1 Nr corner cubicles WC IPS panels	1	nr			
	Extra over for access panels; generally					
D	wc	5	nr			
	Extra over for forming openings					
E	wc rectangular flush plate	5	nr			

	Description	Qty	Unit	Rate	€	c
	EL (22) INTERNAL WALLS (Cont'd)					
	Metal stud partition system -Internal Wall Type 12. Description: Internal Wall Construction - Type 12. Gypwall Robust. Refer Gyproc specification pack for partition walls -or equivalent to Architect's approval. Partition type: Single row 90mm metal studs. Partition height: Maximum 4000 mm to u/s slab. Head condition: Concrete slab or underside of roof panel. Deflection allowance: L/240. Structural performance: Strength grade to BS 5234-2: Severe. Additional tests: WCS , grabrails, Washbasins (Annex K). Air pressure and deflection: Air pressure (maximum) 200 N/m2 and deflection (maximum) height / 240 mm. Other requirements: Allow for weight of ceramic tiles, as section M40 . Allow for hanging to form bulkhead at north lights. Airborne sound insulation. Laboratory measurement of complete partition assembly: Weighted sound reduction index Rw (minimum) to BS EN ISO 717-1: Not less than 47 Rw dB. Metal framing: Type recommended by board manufacturer to complete the partition assembly and achieve specified performance. Insulation: 25mm isover accoustic roll. Pin fixed to prevent sagging. Recycled content: as per manufacturer. Thickness: 25mm. Resilient layer: Linings: 15 mm duraline plasterboard to both sides. Finishing: Seamless jointing and ceramic tiles as per drawings. Primer/ Sealer: Primer to painted areas. Accessories: Beads/ stops as recommended by board manufacturer. Other requirements: Fire stopping around services as section P12; ; all installations in accordance with manufacturer's instructions; all in accordance with Engineers/ Architect's drawings and specificaitons					
	Partitions					
A	overall average height 3600mm	27	m			
	Extra over for					
B	angles to partitions	2	nr			
C	threeway intersections	8	nr			

	Description	Qty	Unit	Rate	€	c
	EL (22) INTERNAL WALLS (Cont'd)					
A	abutments to other finishes	21	nr			
B	fair ends to partitions	9	nr			
C	forming openings; 910mm wide x 2260mm high; DF 004, 005, 006, 007, 021 & 023	5	nr			
D	forming openings; 1135mm wide x 2260mm high; DF 003	1	nr			
E	PVC shadow gap stop bead; refer to architects drawing 4110 for futher details and requirments	28	m			
	Metal stud partition system -Internal Wall Type 11. 70mm metal wall stud partition system with 15mm Gyproc Duraline or quivalent to both sides, taped and jointed. 25mm Isover or equivalent acoustic insulation between studs pin fixed to prevent sagging. All in accordance with architects drawings and specifications					
	Partitions (box outs)					
F	overall average height 3500mm	18	m			
G	overall average height 3800mm	5	m			
	Extra over for					
H	angles to partitions	22	nr			
I	abutments to other finishes; blockwork walls	44	nr			

To Collection €

	Description	Qty	Unit	Rate	€	c
	EL (22) INTERNAL WALLS (Cont'd)					
	TIERED SEATING					
	BRICKWORK AND BLOCKWORK					
	BLOCKWORK					
	Fine textured solid concrete blocks; Blocks: To BS EN 771-3; Manufacturer: Contractor's choice; Product reference: Contractor's choice; Configuration: Group 1; Compressive strength: Mean value: 7.5N/mm2; Characteristic value: 7.5N/mm2; Category: I; Freeze/ Thaw resistance: Suitable for exposed external use below dpc; Thermal properties: N/A; Recycled content: Contractor's choice; Work sizes (length x width x height): 440 x 215 x 100mm; Tolerance category: D2; Special shapes: Half sizes; Additional requirements: Reaction to fire class: A1; Mortar: Min. M4, As section Z21; Standard: To BS EN 998-2; Mix: 1:1:6 cement:lime:sand; 10mm joints; bedding, jointing & bucket handle pointing; all installations in accordance with Architects drawings & specifications					
	Walls; blockwork					
A	thickness 100mm	10	m2			
B	thickness 360mm	1	m2			
C	thickness 670mm	1	m2			
D	thickness 785mm	3	m2			
E	thickness 1000mm	1	m2			
F	thickness 1340mm	9	m2			

	Description	Qty	Unit	Rate	€	c
	EL (22) INTERNAL WALLS (Cont'd)					
	ANCILLARIES TO BRICKWORK/BLOCKWORK					
	Loose laid bitumen gas retardant stepped damp proofing Substrate: Blockwork; Manufacturer: Memtech or equivalent. Number of layers: One. Thickness/ Gauge: 0.8mm. Bonding: Fully bond to manufactures specification. Joints; Surfaces to be joined: Clean and dry beyond full width of joint. Laps (minimum): 150mm. Sealing: Fully bond; all installations in accordance with Architect's/ Engineer's drawings and specifications					
	Damp proof courses					
A	width exceeding 225mm; horizontal	8	m2			
B	width exceeding 225mm; vertical	16	m2			
	WOODWORK					
	BOARDING & SECOND FIXINGS					
	Moisture Resistant MDF Skirting;120 x 120mm pencil round edge; prepared & primed, plugged and scrwed at 450mm centres all installations in accordance with Manufactuers instructions & in accordance with Archietcts drawings & specifications					
	Second fixings					
C	skirting	33	m			
	IRONMONGERY, ACCESSORIES & SUNDRIES					
	Airtight seal between wall & floor; refer to drawing 4109 for further details & requirements					
D	generally	33	m			

	Description	Qty	Unit	Rate	€	c
	EL (22) INTERNAL WALLS (Cont'd)					
	METALWORK					
	BALUSTRADES/HANDRAILS					
	Guarding Type 4: (1400mm high) 15mm plate steel uprights, top rail and base plate. Uprights at 110mm centres. Depth to guarding designer specification. All of the above welded together prior to installation. All steel to be painted as noted on finishes plan. Balustrade fixed to top of concrete wall using countersunk masonry fixings to specialist design.; all fixings to Engineer's/ manufacturers details and requirements; all in accordance with Architect's drawings and specifications; refer to Architect's drawing 4109 for further details					
	Composite items; Guardrail					
A	1400mm high x 820mm long	1	nr			
	Extra on balustrades and associated handrails for					
B	ends	2	nr			

	Description	Qty	Unit	Rate	€	c
	EL (22) INTERNAL WALLS (Cont'd)					
	FLOOR WALL AND CEILING FINISHINGS					
	WALL FINISHINGS					
	IN-SITU FINISHES					
	Cement Render. Substrate: Concrete blockwork, as section F10. Preparation: Spatterdash keying coat Cement: Type: Ready-to-use mortar or ready-mixed lime:sand. Pigment: Not required. Undercoats; Mix (cement:lime:sand): 1:1:5-6 (where final coat trowelled) Cement type: Contractor's choice. Thickness (excluding dubbing out and keys): First coat 8-12 mm (exclusive of keys) and second coat 6-10 mm. Final coat. Mix (cement:lime:sand): 1:0.5:4-4.5; Cement type: White Portland. Other requirements: Screen sand through 3 mm mesh sieve. Thickness: 6-8 mm. Finish: Varies. Combination of Nap & smooth, Accessories: Stainless steel beads and Alkaline resistance render mesh to all corners to opes. all instalaltions in accordance with Architects drawings and specifcations					
	Walls; 15mm thick render					
A	width not exceeding 300mm; (Risers)	6	m2			
B	width over 300mm	14	m2			
	Beading; stainless steel beading; all in accordance with plaster manufacturer's recommendations; form detail and beading as required; all installations in accordance with manufacturers instructions; all in accordance with Architect's drawings and specifications					
	Sundries					
C	galvanised stainless steel angle bead; corners	40	m			

	Description	Qty	Unit	Rate	€	c
	EL (22) INTERNAL WALLS (Cont'd)					
	Surface coating resins to Tiered Seating Resin Colour: Cement Grey. Sheen: Manufacturer's standard. Aggregate colour: Manufacturer's standard (where applicable). Composition: MicroConcrete powder, liquid concentrate/ water, water-based sealer, and acrylic wax or RESIFAN PU K14. Mix: 2.8-3.2:1 (MicroCement powder: Liquid concentrate/ water). Overall thickness: 3-5 mm; all installations in accordance with Manufactuers instructions & in accordance with Archietcts drawings & specifications					
	Walls; 6mm thick microcement finish					
A	width not exceeding 300mm; (Risers)	6	m2			
B	width over 300mm	14	m2			
	PAINTING AND DECORATING					
	PAINTING					
	Sand down, dust off and prepare MDF surfaces, Degrease and provide key; Dulux primer and undercoat or equivalent for MDF; Initial coats: as recommended by Manufacturer; Number of coats: 2 priming undercoats; Undercoats: As recommended by manufacturer; Number of coats: 2 coats; Finishing coats: Water- based satin finish all installations in accordance with manufacturers instructions & Architects drawings and specifications					
	Second fixings					
C	not exceeding 300mm	33	m			
	Cleaning down; dusting off; Dulux or equivalent exterior grade metalwork paint; apply one undercoat/ primer and two finishing coats to external balustrading; to Architect's choice of colour; all in accordance with manufacturer's instructions; all in accordance with Architect's drawings and specifications					
	Balustrades					
D	generally	3	m2			

Description	Qty	Unit	Rate	€	c
EL (22) INTERNAL WALLS (Cont'd)					
COLLECTION					
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Page No. BQ/230					
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Page No. BQ/244					
Page No. BQ/245					
EL (22) INTERNAL WALLS **Carried to Summary**					

	Description	Qty	Unit	Rate	€	c
	EL (23) FLOORS, GALLERIES					
	INFORMATION					
	1. The Contractor is advised that the Architect's, Structural and Services Engineer's Drawings and Specifications (Works Requirements) are all complimentary to each other and should be read in conjuntion with one another.					
	2. The Contractor shall refer to the Drawings and Specifications included in the Works Requirements, Volume A.		Note			
	CONCRETE WORK					
	IN-SITU CONCRETE					
	Insitu concrete; grade C30/37; maximum aggregate size 20mm; maximum water cement ratio 0.60; minimum cement content 300kg/m3; vibrator compacted; as per Engineer's drawing and specifications					
	Beds; reinforced; structural topping screed to precast slabs					
A	thickness not exceeding 150mm	32	m3			
	Beds; reinforced; floor slabs					
B	thickness exceeding 150mm	163	m3			
	SUNDRIES					
	Power floated finish to top surface of concrete in accordance with BS8204; surface regularity class SR1, maximum permissible deviation 3mm under 2m straight edge; sudden irregularities not permitted; apply 2nr coats of Sikafloor Proseal or equivalent curing, sealing and hardening compound in accordance with manufacturer's recommendations; dosage 0.20 litres per m2 per coat; typical overall coverage 2.5 litres per m2; all in accordance with Architects & Engineers drawings and specifcations					
	Surface finishes; powerfloating; including applied surface sealant					
C	structural topping screed to precast slabs	404	m2			

	Description	Qty	Unit	Rate	€	c
	EL (23) FLOORS, GALLERIES (Cont'd)					
A	structural floor slab	485	m2			
	REINFORCEMENT					
	Steel bar reinforcement to BS4449; high yield steel with characteristic strength 500MPa; hot rolled deformed bars; bending and cutting to BS8666; concrete cover to BSEN1992 (EC2); all in accordance with Engineers drawings and specifications					
	Bar; straight or bent					
B	diameter not exceeding 12mm	1.80	t			
C	diameter over 12mm but not exceeding 25mm	18.60	t			
	Links					
D	diameter not exceeding 12mm	2.04	t			
	Steel wire fabric reinforcement to BS4483, comprising plain round hard drawn mild steel wire to BS4482; electrically welded to form sheets in various standard mesh sizes; all installations in accordance with manufacturers instructions; all in accordance with Engineers drawings and specifcations; refer to Engineer drawing K413-OCSC-XX-XX-DR-S-0210-D1-C01 for further details and requirements					
	Fabric; horizontal					
E	mesh ref A192; laps 400mm; in structural topping screed	403	m2			
	FORMWORK					
	Type B finish to BS8110-1 for non-exposed concrete surfaces; refer to Engineers drawings and specifications for further details					
	Edges of suspended slabs and landings					
F	not exceeding 250mm high	9	m			
G	not exceeding 250mm high; void	8	m			

	Description	Qty	Unit	Rate	€	c
	EL (23) FLOORS, GALLERIES (Cont'd)					
	Edges of suspended slabs and landings (In situ 325mm thick slabs)					
A	exceeding 250mm high	242	m			
	Soffits of slabs					
B	soffit height >4.00m	485	m2			
	PRECAST CONCRETE					
	Precast concrete hollowcore slabs to BS8110; designed and installed to meet all rquirements of Structural Engineer's drawings and specifications; designed to suit blockwork partitions layout; fill shear key joints with 35N10 compacted insitu concrete, except for any movement joint locations; fill unit ends with grade C30/37 insitu concrete; bed units on 1:3 cement mortar; include temporary propping, formwork, sealing joints to prevent grout loss, cutting slots for reinforcement, cutting angles/ intersections to suit unit layout, and any other necessary labours; all installations in accordance with manufacturer's drawings & instructions; all in accordance with engineers drawings and specification; refer to Engineer drawings 1002, 4002 & 4003 for further details & specifcations					
	Floor slabs; 200mm thick; 75mm thick A142-reinforced concrete topping measured elsewhere; for imposed floor loadings, refer to Engineer Dwgs 1002, 4002 & 4003 ; concrete topping, insulation and floating screed buildup to be added as imposed dead loads					
C	span 2.00 - 4.00m	41	m2			
D	span 4.00 - 6.00m	110	m2			
E	span 6.00 - 8.00m	52	m2			
F	span 8.00 - 10.00m	64	m2			
G	span 2.00 - 4.00m (Plant room)	9	m2			
H	span 4.00 - 6.00m (Plant room)	20	m2			

	Description	Qty	Unit	Rate	€	c
	EL (23) FLOORS, GALLERIES (Cont'd)					
	Extra over for					
A	ends of cores to be broken out and infilled with C30/37 concrete at side precast hollowcore slab; allow for supply and placement of 1200mm long H12 tie bars at 600mm centres as necessary and infilled with C30/37 concrete as detailed; allow for all formwork and the like to complete installations; refer to Engineer's drawing 4002 detail 27 for further details; all in accordance with Engineers drawings and specifications	8	m			
B	ends of cores to be broken out and infilled with C30/37 concrete at both sides RC beam; allow for supply and placement of 1200mm long H12 tie bars at 600mm centres as necessary and infilled with C30/37 concrete as detailed; allow for all formwork and the like to complete installations; refer to Engineer's drawing 4002 detail 28 for further details; all in accordance with Engineers drawings and specifications	24	m			
C	ends of cores to be broken out and infilled with C30/37 concrete at both sides of precast hollowcore slab; allow for supply and placement of 1500mm long H12 tie bars at 600mm centres as necessary and infilled with C30/37 concrete as detailed; allow for all formwork and the like to complete installations; refer to Engineer's drawing 4002 detail 31 for further details; all in accordance with Engineers drawings and specifications	13	m			
D	ends of cores to be broken out and infilled with C30/37 concrete at both sides of precast hollowcore slab; allow for supply and placement of 1500mm long H12 tie bars at 600mm centres as necessary and infilled with C30/37 concrete as detailed; allow for all formwork and the like to complete installations; refer to Engineer's drawing 4002 detail 31A for further details; all in accordance with Engineers drawings and specifications	2	m			

	Description	Qty	Unit	Rate	€	c
	EL (23) FLOORS, GALLERIES (Cont'd)					
A	ends of cores to be broken out and infilled with C30/37 concrete at side of precast hollowcore slab; allow for supply and placement of 1200mm long H12 tie bars at 600mm centres as necessary and infilled with C30/37 concrete as detailed; allow for all formwork and the like to complete installations; refer to Engineer's drawing 4002 detail 32 for further details; all in accordance with Engineers drawings and specifications	2	m			
B	ends of cores to be broken out and infilled with C30/37 concrete at both sides of precast hollowcore slab; allow for supply and placement of 1500mm long H12 tie bars at 600mm centres as necessary and infilled with C30/37 concrete as detailed; allow for all formwork and the like to complete installations; refer to Engineer's drawing 4002 detail 33 for further details; all in accordance with Engineers drawings and specifications	7	m			
C	ends of cores to be broken out and infilled with C30/37 concrete at side of precast hollowcore slab; allow for supply and placement of 1500mm long H12 tie bars at 600mm centres as necessary and infilled with C30/37 concrete as detailed; allow for all formwork and the like to complete installations; refer to Engineer's drawing 4003 detail 34 for further details; all in accordance with Engineers drawings and specifications	8	m			
D	ends of cores to be broken out and infilled with C30/37 concrete at side of precast hollowcore slab; allow for supply and placement of 1500mm long H12 tie bars at 600mm centres as necessary and infilled with C30/37 concrete as detailed; allow for all formwork and the like to complete installations; refer to Engineer's drawing 4003 detail 34a for further details; all in accordance with Engineers drawings and specifications	8	m			

To Collection €

	Description	Qty	Unit	Rate	€	c
	EL (23) FLOORS, GALLERIES (Cont'd)					
A	ends of cores to be broken out and infilled with C30/37 concrete at side of precast hollowcore slab; allow for supply and placement of 1500mm long H12 tie bars at 600mm centres as necessary and infilled with C30/37 concrete as detailed; allow for all formwork and the like to complete installations; refer to Engineer's drawing 4003 detail 35 for further details; all in accordance with Engineers drawings and specifications	9	m			
B	ends of cores to be broken out and infilled with C30/37 concrete at side of precast hollowcore slab; allow for supply and placement of 1500mm long H12 tie bars at 600mm centres as necessary and infilled with C30/37 concrete as detailed; allow for all formwork and the like to complete installations; refer to Engineer's drawing 4003 detail 36 for further details; all in accordance with Engineers drawings and specifications	25	m			
C	ends of cores to be broken out and infilled with C30/37 concrete at side of precast hollowcore slab; allow for supply and placement of 1200mm long H12 tie bars at 600mm centres as necessary and infilled with C30/37 concrete as detailed; allow for all formwork and the like to complete installations; refer to Engineer's drawing 4003 detail 55 for further details; all in accordance with Engineers drawings and specifications	60	m			
D	ends of cores to be broken out and infilled with C30/37 concrete at side of precast hollowcore slab; allow for supply and placement of 1500mm long H12 tie bars at 600mm centres as necessary and infilled with C30/37 concrete as detailed; allow for all formwork and the like to complete installations; refer to Engineer's drawing 4003 detail 56 for further details; all in accordance with Engineers drawings and specifications	5	m			

Description	Qty	Unit	Rate	€	c
EL (23) FLOORS, GALLERIES (Cont'd)					
COLLECTION					
Page No. BQ/247					
Page No. BQ/248					
Page No. BQ/249					
Page No. BQ/250					
Page No. BQ/251					
Page No. BQ/252					
EL (23) FLOORS, GALLERIES **Carried to Summary**					

	Description	Qty	Unit	Rate	€	c
	EL (24) STAIRS, RAMPS					
	INFORMATION					
	1. The Contractor is advised that the Architect's, Structural and Services Engineer's Drawings and Specifications (Works Requirements) are all complimentary to each other and should be read in conjuntion with one another.		Note			
	2. The Contractor shall refer to the Drawings and Specifications included in the Works Requirements, Volume A.		Note			
	CONCRETE WORK					
	IN-SITU CONCRETE					
	Insitu concrete; grade C30/37; maximum aggregate size 20mm; chloride class Cl 0.40; vibrator compacted; all in accordance with Engineers drawings and specifications					
	Walls; reinforced					
A	thickness > 150mm	4	m3			
	Beams; reinforced					
B	cross section area not exceeding 0.10m2	2	m3			
	SUNDRIES					
	Wood floated finish to top surface of concrete; as per Architects Spec					
	Surface finishes; trowelling					
C	top of wall head sloping	3	m2			
	REINFORCEMENT					
	Steel bar reinforcement to BS4449; high yield steel with characteristic strength 500MPa; hot rolled deformed bars; bending and cutting to BS8666; concrete cover to BSEN1992 (EC2); all in accordance with Engineers drawings and specifications					
	Bar; straight or bent					
D	diameter not exceeding 12mm	0.90	t			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (24) STAIRS, RAMPS (Cont'd)					
	Links					
A	diameter not exceeding 12mm	0.25	t			
	FORMWORK					
	Kickers					
B	walls - 250mm	11	m			
	Fine smooth finish formwork; exposed fairfaced smooth concrete finish; all in accordance with Engineers drawings and specifications					
	Walls					
C	vertical (Ramp wall in Link Circulation)	30	m2			
	Fine smooth finish formwork; exposed fairfaced smooth concrete finish; all in accordance with Engineers drawings and specifications					
	Beams; isolated; rectangular; slopping					
D	cross section area not exceeding 0.10m2	3	m2			
	PRECAST CONCRETE					
E	The precast concrete stairs manufacturer will be required to submit shop drawings and design calculations to the Engineer prior to manufacturer for approval		item			

	Description	Qty	Unit	Rate	€	c
	EL (24) STAIRS, RAMPS (Cont'd)					
	Pre cast concrete staircase structure, comprising flights and landings complete; plain smooth non exposed concrete finish; undercut treads; including steel support angles, cast in angles, tie bars, plates, fixings, notching and all works as necessary to complete connections to landings, floor slabs and walls; pre cast stairs are to be designed by the contractor in accordance with ISEN1992-2-1-1 Eurocode 2: Design of concrete structures - Part 1-1: General rules and rules for buildings (Including Irish National Annex); stairs are to be designed for a min Live Load of 5kN/m2; designed by manufacturer to meet all requirements of Structural Engineer's specifications and drawings; installation and all fixings in accordance with manufacturer's instructions; as Architect's Dwg 4108 and Engineer's Dwgs & specifications for further details and requirements					
	Staircase flights and associated landings; complete staircase structure between floors including intermediate landings; main floors measured elsewhere					
A	stairs 1; 3 nr flights & 23 nr risers (GFL-FFL); 1500mm wide; 300mm going; 156mm riser; total height 3588mm; 2 Nr 1,500mm x 1,500mm half landings as per OPP dwg WD-500 "Accomodation Stair"	1	nr			
B	stairs 2; 2 nr flights & 22 nr risers (GFL-FFL); 1,555mm wide; 300mm going; 163mm riser; total height 3588mm; 1 Nr 1800mm x 1650mm half landing, 1 Nr 1555mm x 1950mm half landing; as per OPP dwg 4104 "Stair 2"	1	nr			

Description	Qty	Unit	Rate	€	c
EL (24) STAIRS, RAMPS (Cont'd)					
COLLECTION					
Page No. BQ/254					
Page No. BQ/255					
Page No. BQ/256					
EL (24) STAIRS, RAMPS **Carried to Summary**					

	Description	Qty	Unit	Rate	€	c
	EL (27) ROOFS					
	INFORMATION					
	1. The Contractor is advised that the Architect's, Structural and Services Engineer's Drawings and Specifications (Works Requirements) are all complimentary to each other and should be read in conjuntion with one another.		Note			
	2. The Contractor shall refer to the Drawings and Specifications included in the Works Requirements, Volume A.		Note			
	3. Notwithstanding the provisions of ARM4, all concrete columns/beams shown on Structural Engineer's drawings are measured as such, irrespective of cross section length to width ratio.		Note			
	4. Concrete beams are measured between columns, except where shown on Structural Engineer's drawings as being continuous over columns.		Note			
	WOODWORK					
	IRONMONGERY, ACCESSORIES & SUNDRIES					
	Soudal Trade Expanding Gunfoam or equivalent; polyurethrane expanding foam with max thermal conductivity of 0.034W/ mK refer to drawing 4104 for further details & requirements					
A	generally	194	m			
	STRUCTURAL					
	STEELWORK					
B	Contractor to undertake final as built survey prior to fabrication of any steelwork		Item			
C	All steel connections between concrete and steel and steel to steel to be designed by Contractor. Refer to Engineers drawings and specifications for further details		Item			

To Collection €

	Description	Qty	Unit	Rate	€	c
	EL (27) ROOFS (Cont'd)					
	Structural steelwork, hot rolled general steel sections and plates to BE EXC2 to is EN 1090; steel grade S335; bolts to be grade 8.8 unless noted otherwise; all welds to be 6mm CFW unless noted otherwise; all in accordance with Engineer's drawings and specifications					
	Fabricated members; beams					
A	203 x 46 UC (SB2);> 25 < or = 50Kg/m	1.80	t			
B	203 x 133 UB 30 (SB3);> 25 < or = 50Kg/m	2.40	t			
C	203 x 46 UC (SFB) (SB6); > 50 < or = 100Kg/m	0.50	t			
D	254 x 146 x 31 UB (SB8);> 25 < or = 50Kg/m	2.00	t			
E	203 x 133 UB 25 (SB9); < or = 25kg/m	2.80	t			
F	203 x 46 UC (SC1 Stub);> 25 < or = 50Kg/m	0.30	t			
G	beams; 203 x 203 x 46 UB; 25 - 50kg/m; (Ref; SB2); 900mm long H12 bob welded to top flange of beam at 600mm c/c to both sides; to be bent on site & welded to mesh; refer to engineers drawing Nr 4004 'Detail 51' for further details and requirements	0.30	t			
H	beams; 203 x 203 x 46 UB (SFB); 25 - 50kg/m; (Ref; SB6); with 300mm x 20mm thick x 1350mm long plate welded to bottom of flange & 900mm long H12 bob welded to top flange of beam at 600mm c/c to both sides; to be bent on site & welded to mesh; refer to engineers drawing Nr 4004 'Detail 52' for further details and requirements	0.30	t			
I	fittings	1.26	t			

	Description	Qty	Unit	Rate	€	c
	EL (27) ROOFS (Cont'd)					
	Structural steelwork; to be grade S355 J0 as per BS EN 1993 or equivalent standard approved by the Engineers; hot rolled sections and plates; weldable steel; bolted site connections; blast clean steel to SA 2 1/2 finish to be painted; steel to be hot dip galvanised to BS 729 where external or stated & a minium of 85 microns thick; all in accordance with Engineers specifications and drawings					
	Fabricated members; bracings					
A	120 x 120 x 6 EA; < or = 25Kg/m	4.50	t			
B	120 x 120 x 10 EA; < or = 25Kg/m	0.20	t			
C	fittings	0.59	t			
	Kingspan Multibeam or equivalent purlin system; hot dipped galvanised steel to BSEN10326 and BSEN10143; minimum steel grade S450GD; zinc coating Z275 (275g/m2); average coating thickness 0.02mm; tubular ties at mid span; all installations in accordance with the manufacturer's instructions; all in accordance with Engineer's drawings and specifications					
	Cold rolled members; purlins; not exceeding 25kg/m					
D	M205065160	0.90	t			
	Kingspan Multibeam or equivalent purlin system; hot dipped galvanised steel to BSEN10326 and BSEN10143; minimum steel grade S450GD; zinc coating Z275 (275g/m2); average coating thickness 0.02mm; tubular ties at mid span; all installations in accordance with the manufacturer's instructions; all in accordance with Engineer's drawings and specifications					
	Cold rolled members; purlins; not exceeding 25kg/m					
E	M265065180	5.10	t			

	Description	Qty	Unit	Rate	€	c
	EL (27) ROOFS (Cont'd)					
	Structural steelwork, hot rolled general steel sections and plates to BSEN10025-2; steel grade S335; bolts to be grade 8.8 unless noted otherwise; all welds to be 6mm CFW unless noted otherwise; all in accordance with Engineer's drawings and specifications					
A	Notwithstanding the provision of ARM 4 the projecting window framing is measured as a composite item as a no and deemed to include all necessary fabrication, framing, welding, drilling, steel finishing, and fixings to complete installations		Note			
	Zinc phosphate primer coat and micaceous iron oxide top coat protective paint finish to steelwork; prepare surfaces by blast cleaning to grade SA2.5; apply 1nr 60 micron DFT primer coat of 2-pack epoxy zinc phosphate; apply 1nr 75 micron DFT sealer top coat of micaceous iron oxide; all in accordance with Architect's/ Engineer's drawings and specifications					
	Protective coatings; applied off site					
B	beams and stanchions	16.95	t			
	Bolts; M16 Grade 8.8 cast in threaded bars; cast into concrete beam; to reinforced concrete; include for drilling/ forming holes as required in concrete structure; all in accordance with Engineer's drawings and details; all in accordance with Engineers drawings and specifications (Refer to Engineers Drg 4004, detail 40 for further details)					
	Bolts					
C	generally; 145mm long	703	nr			

	Description	Qty	Unit	Rate	€	c
	EL (27) ROOFS (Cont'd)					
	Bolts; M16 Grade 8.8 cast in threaded bars; cast into concrete beam; to reinforced concrete; include for drilling/ forming holes as required in concrete structure; all in accordance with Engineer's drawings and details; all in accordance with Engineers drawings and specifications (Refer to Engineers Drg 4004, detail 40 for further details)					
	Bolts					
A	generally; 145mm long	43	nr			
	Bolts; M16 Grade 8.8 cast in threaded bars; cast into concrete beam; to reinforced concrete; include for drilling/ forming holes as required in concrete structure; all in accordance with Engineer's drawings and details; all in accordance with Engineers drawings and specifications (Refer to Engineers Drg 4004, detail 41 for further details)					
	Bolts					
B	generally; 145mm long	8	nr			
	Bolts; M16 Grade 8.8 cast in threaded bars; cast into concrete beam; to reinforced concrete; include for drilling/ forming holes as required in concrete structure; all in accordance with Engineer's drawings and details; all in accordance with Engineers drawings and specifications (Refer to Engineers Drg 4004, detail 49 for further details)					
	Bolts					
C	generally; 110mm long	46	nr			

	Description	Qty	Unit	Rate	€	c
	EL (27) ROOFS (Cont'd)					
	Chemical Anchors; M16 Grade 8.8; cast into concrete slab/ foundations; to reinforced concrete; include for drilling/ forming holes as required in concrete structure; all in accordance with Engineer's drawings and details; all in accordance with Engineers drawings and specifications (Refer to Engeers drawing 4004 detail 44 for further details)					
	Chemical Anchors					
A	generally; 155mm long	28	nr			
	Chemical Anchors; M16 Grade 8.8; cast into concrete slab/ foundations; to reinforced concrete; include for drilling/ forming holes as required in concrete structure; all in accordance with Engineer's drawings and details; all in accordance with Engineers drawings and specifications (Refer to Engeers drawing 4004 detail 43 for further details)					
	Chemical Anchors					
B	generally; 80mm long	713	nr			
	Chemical Anchors; M20 Grade 8.8; cast into concrete slab/ foundations; to reinforced concrete; include for drilling/ forming holes as required in concrete structure; all in accordance with Engineer's drawings and details; all in accordance with Engineers drawings and specifications (Refer to Engeers drawing 1003 detail R1 "Typical steel beam to RC Connection"for further details)					
	Chemical Anchors					
C	generally; 155mm long	132	nr			
	Holding down assemblies					
D	270 x 270 x 12mm thick welded end plate; 4no. M16 grade 8.8 Chemical anchors (measured elsewhere); refer to Engineer's drawings and specifications; (refer to drawing 4004 Detail 44 for further details)	7	nr			

	Description	Qty	Unit	Rate	€	c
	EL (27) ROOFS (Cont'd)					
A	350 x 350 x 12mm thick welded end plate; 4no. M20 grade 8.8 Chemical anchors (measured elsewhere); Refer to Engeers drawing 1003 detail R1 "Typical steel beam to RC Connection"for further details	33	nr			
	Grouting					
	High strenght non-shrink grout to base plate; 10mm thick; Refer to Engeers drawing 1003 detail R1 "Typical steel beam to RC Connection"for further details					
B	270 x 270mm overall size; base plate	7	nr			
C	350 x 350mm overall size; base plate	33	nr			
	METALWORK					
	NON- STRUCTURAL					
	2mm continous pressed aliminium adge profile to retain roof insulation; Profile Height 300mm, width 160mm; ; 2mm thick material; Colour TBC by Architect for approval; include for aluminium concealed support clips fixed to Insulation; ; installed and weatherted in accordance with the manufacturer's instructions & requirements; include for 6mm x 100mm galvanised steel brackets at 600mm centres, to provide support for wall ties; all installations in accordance with Architect drawings and specifcations; refer to Architect drawings 4104 details 3 for further details					
	Composite items; 2mm continous pressed aliminium adge profile to retain roof insulation; linear measure notwithstanding ARM4					
D	girth 450mm	124	m			

	Description	Qty	Unit	Rate	€	c
	EL (27) ROOFS (Cont'd)					
	5mm continous pressed aliminium adge profile to retain roof insulation; Profile Height 300mm, width 160mm; ; 2mm thick material; Colour TBC by Architect for approval; include for aluminium concealed support clips fixed to Insulation; ; installed and weatherted in accordance with the manufacturer's instructions & requirements; all installations in accordance with Architect drawings and specifcations; refer to Architect drawings 4104 details 3 for further details					
	Composite items; 5mm continous pressed aliminium adge profile to retain roof insulation; linear measure notwithstanding ARM4					
A	girth 390mm	82	m			
	PAINTING & DECORATING					
	INTUMESCENT PAINT COATINGS					
	Nullifire equivalent to Architect's approval. Fire resistance (to BS 476-21): 60 minutes. Primer: Carbomatic 15LT- or equivalent to Architect's approval. Topseal: Type: Carboxane 2000. Dry film thickness as recommended by manufacturer. Colour: BS 4800. A top sealer coat to be applied to protect the intumescent layer from moisture (non decorative finish in this instance). Primer: nullifire PM021 Epxoy Polyamide Primer. Top sealer: Nullifire TS816 water based acrylic topcoat all strictly to nulliifires recommendations and schedule all in accordance with Architect's/ Engineer's drawings and specifications; apply strictly in accordance with manufacturer's written instructions					
	Structural metalwork; general surfaces; girth exceeding 300mm					
B	generally	306	m2			

Description	Qty	Unit	Rate	€	c
EL (27) ROOFS (Cont'd)					
COLLECTION					
Page No. BQ/258					
Page No. BQ/259					
Page No. BQ/260					
Page No. BQ/261					
Page No. BQ/262					
Page No. BQ/263					
Page No. BQ/264					
Page No. BQ/265					
EL (27) ROOFS **Carried to Summary**					

	Description	Qty	Unit	Rate	€	c
	EL (28) FRAMES					
	INFORMATION					
	1. The Contractor is advised that the Architect's, Structural and Services Engineer's Drawings and Specifications (Works Requirements) are all complimentary to each other and should be read in conjuntion with one another.		Note			
	2. The Contractor shall refer to the Drawings and Specifications included in the Works Requirements, Volume A.		Note			
	3. Notwithstanding the provisions of ARM4, all concrete columns/beams shown on Structural Engineer's drawings are measured as such, irrespective of cross section length to width ratio.		Note			
	4. Concrete beams are measured between columns, except where shown on Structural Engineer's drawings as being continuous over columns.		Note			
	CONCRETE WORK					
	IN-SITU CONCRETE					
	Insitu concrete; grade C30/37; exposed class XC1; min cement content 310kg/m3; max W/C ratio of 0.55; cover = 35mm generally, 50mm underside of foundations; vibrator compacted; all in accordance with Engineers drawings and specifications					
	Beams; reinforced					
A	cross section area not exceeding 0.10m2	22	m3			
B	cross section area over 0.10m2	99	m3			
C	cross section area not exceeding 0.10m2; height 4.00 - 6.00m high; sloping	5	m3			
	Columns; reinforced					
D	cross section area not exceeding 0.10m2	3	m3			
E	cross section area exceeding 0.10m2	12	m3			

	Description	Qty	Unit	Rate	€	c
	EL (28) FRAMES (Cont'd)					
A	cross section area exceeding 0.10m2 (flared column)	4	m3			
	SUNDRIES					
	Wood floated finish to top surface of concrete; all in accordance with Engineer's drawings and specifications					
	Surface finishes; trowelling					
B	beams	233	m2			
C	beams; height 4.00 - 6.00m high; sloping	8	m2			
	REINFORCEMENT					
	Steel bar reinforcement to BS4449; high yield steel with characteristic strength 500MPa; hot rolled deformed bars; bending and cutting to BS8666; concrete cover to BSEN1992 (EC2); all in accordance with Engineers drawings and specifications					
	Bar; straight or bent (Beams)					
D	diameter not exceeding 12mm	5.10	t			
E	diameter over 12mm but not exceeding 25mm	7.50	t			
	Links					
F	diameter not exceeding 12mm	0.51	t			
G	diameter over 12mm but not exceeding 25mm	0.75	t			
	Bar; straight or bent (Columns)					
H	diameter not exceeding 12mm	0.60	t			
I	diameter over 12mm but not exceeding 25mm	2.40	t			
	Links					
J	diameter not exceeding 12mm	0.06	t			
K	diameter over 12mm but not exceeding 25mm	0.24	t			

	Description	Qty	Unit	Rate	€	c
	EL (28) FRAMES (Cont'd)					
	Special connections					
A	H12 tie bars 1200mm long extended to wall tie with bob cast into RC beam to be bent on site & welded to mesh at 600mm c/c. Cores to be broken out. include for all welding and associated bending; refer to Engineers Drawing Nr. 4002 Detail 19 for further details and requirements	18	nr			
B	H12 tie bars 1200mm long extended to wall tie with bob cast into RC beam to be bent on site & welded to mesh at 600mm c/c. Cores to be broken out. include for all welding and associated bending; refer to Engineers Drawing Nr. 4002 Detail 20 for further details and requirements	85	nr			
C	H12 tie bars 1200mm long extended to wall tie with bob cast into RC beam to be bent on site & welded to mesh at 600mm c/c. Cores to be broken out. include for all welding and associated bending; refer to Engineers Drawing Nr. 4002 Detail 21 for further details and requirements	69	nr			
D	H12 tie bars 1200mm long extended to wall tie with bob cast into RC beam to be bent on site & welded to mesh at 600mm c/c. Cores to be broken out. include for all welding and associated bending; refer to Engineers Drawing Nr. 4002 Detail 25 for further details and requirements	17	nr			
E	H12 tie bars 1200mm long extended to wall tie with bob cast into RC beam & structural screed, to be bent on site & welded to mesh at 600mm c/c. Cores to be broken out. include for all welding and associated bending; refer to Engineers Drawing Nr. 4002 Detail 25 for further details and requirements	17	nr			

	Description	Qty	Unit	Rate	€	c
	EL (28) FRAMES (Cont'd)					
A	H12 tie bars 1200mm long extended to wall tie with bob cast into RC beam & hollowcore block wall, to be bent on site & welded to mesh at 600mm c/c. Cores to be broken out. include for all welding and associated bending; refer to Engineers Drawing Nr. 4002 Detail 30 for further details and requirements	24	nr			
B	H12 tie bars 1200mm long extended to wall tie with bob cast into RC beam & hollowcore block wall, to be bent on site & welded to mesh at 600mm c/c. Cores to be broken out. include for all welding and associated bending; refer to Engineers Drawing Nr. 4003 Detail 35 for further details and requirements	14	nr			
C	H12 tie bars 1200mm long extended to wall tie with bob cast into RC beam & hollowcore block wall, to be bent on site & welded to mesh at 600mm c/c. Cores to be broken out. include for all welding and associated bending; refer to Engineers Drawing Nr. 4004 Detail 49 for further details and requirements	31	nr			
	FORMWORK					
	Fine smooth finish formwork; exposed fairfaced smooth concrete finish; all in accordance with Engineers drawings and specifications					
	Beams; attached; rectangular					
D	cross section area not exceeding 0.10m2	267	m2			
E	cross section area exceeding 0.10m2	608	m2			
	Beams; isolated; rectangular					
F	cross section area not exceeding 0.10m2; height 4.00 - 6.00m high; slopping	40	m2			
	Beams; attached; other shape					

	Description	Qty	Unit	Rate	€	c
	EL (28) FRAMES (Cont'd)					
A	325mm high x 150mm projection x 215mm high x 575mm wide x 490mm high; refer to Engineer drawing 4002 Detail 27 for further details and requirements (RCB16)	15	m2			
B	275mm high x 150mm projection x 215mm high x 675mm wide x 215mm high x 150mm projection x 275mm high; refer to Engineer drawing 4002 Detail 31 for further details and requirements (RCB1)	9	m2			
C	275mm high x 150mm projection x 215mm high x 525mm wide x 490mm high; refer to Engineer drawing 4002 Detail 31a for further details and requirements (RCB18)	7	m2			
D	275mm high x 50mm projection x 215mm high x 575mm wide x 215mm high x 150mm projection x 275mm high; refer to Engineer drawing 4003 Detail 34 for further details and requirements (RCB16)	18	m2			
E	490mm high x 215mm high x 575mm wide x 215mm high x 150mm projection x 275mm high; refer to Engineer drawing 4003 Detail 34a for further details and requirements (RCB18)	8	m2			
F	675mm wide x 215mm high x 150mm projection x 325mm high; refer to Engineer drawing 4003 Detail 55 for further details and requirements (RCB1)	86	m2			
G	490mm high x 675mm wide x 215mm wide x 150mm projection x 275mm high; refer to Engineer drawing 4003 Detail 56 for further details and requirements (RCB16)	38	m2			
	Columns; isolated; flared (refer to Engineers Drawing Nr. 20153-CCSE-DOW-00-XX-DR-SE-3000-C01; ELEVATION A)					
H	cross section area exceeding 0.10m2	28	m2			
	Columns; attached; rectangular					

	Description	Qty	Unit	Rate	€	c
	EL (28) FRAMES (Cont'd)					
A	cross section area not exceeding 0.10m2	24	m2			
B	cross section area exceeding 0.10m2	144	m2			
	Columns; attached; circular					
C	cross section area not exceeding 0.10m2	12	m2			
	STRUCTURAL					
	STEELWORK					
D	Contractor to undertake final as built survey prior to fabrication of any steelwork		Item			
E	All steel connections between concrete and steel and steel to steel to be designed by Contractor. Refer to Engineers drawings and specifications for further details		Item			
	Structural steelwork, hot rolled general steel sections and plates to BE EXC2 to is EN 1090; steel grade S335; bolts to be grade 8.8 unless noted otherwise; all welds to be 6mm CFW unless noted otherwise; all in accordance with Engineer's drawings and specifications					
	Fabricated members; beams					
F	406 x 187 x 85 UB (SB5); > 50 < or = 100Kg/m	0.90	t			
	Stanchions					
G	203 x 46 UC (SC1);> 25 < or = 50Kg/m	1.20	t			
H	193.7 x 8.0 CHS (SC2)	0.90	t			
I	fittings	0.27	t			

To Collection €

	Description	Qty	Unit	Rate	€	c
	EL (28) FRAMES (Cont'd)					
	Structural steelwork; to be grade S355 J0 as per BS EN 1993 or equivalent standard approved by the Engineers; hot rolled sections and plates; weldable steel; bolted site connections; blast clean steel to SA 2 1/2 finish to be painted; steel to be hot dip galvanised to BS 729 where external or stated & a minium of 85 microns thick; all in accordance with Engineers specifications and drawings					
	Fabricated members; bracings					
A	250 x 250 x 15 EA;> 25 < or = 50Kg/m	5.70	t			
	Stanchions					
B	100 x 10 SHS (SC3)	0.30	t			
C	fittings	0.60	t			
	Structural steelwork, hot rolled general steel sections and plates to BSEN10025-2; steel grade S335; bolts to be grade 8.8 unless noted otherwise; all welds to be 6mm CFW unless noted otherwise; all in accordance with Engineer's drawings and specifications					
D	Notwithstanding the provision of ARM 4 the projecting window framing is measured as a composite item as a no and deemed to include all necessary fabrication, framing, welding, drilling, steel finishing, and fixings to complete installations		Note			
	Zinc phosphate primer coat and micaceous iron oxide top coat protective paint finish to steelwork; prepare surfaces by blast cleaning to grade SA2.5; apply 1nr 60 micron DFT primer coat of 2-pack epoxy zinc phosphate; apply 1nr 75 micron DFT sealer top coat of micaceous iron oxide; all in accordance with Architect's/ Engineer's drawings and specifications					
	Protective coatings; applied off site					
E	beams and stanchions	9.57	t			

	Description	Qty	Unit	Rate	€	c
	EL (28) FRAMES (Cont'd)					
	Bolts; M16 Grade 8.8 cast in threaded bars; cast into concrete beam; to reinforced concrete; include for drilling/ forming holes as required in concrete structure; all in accordance with Engineer's drawings and details; all in accordance with Engineers drawings and specifications (Refer to Engineers Drg 4004, detail 41 for further details)					
	Bolts					
A	generally; 145mm long	169	nr			
	Holding Down Bolts; M24 Grade 8.8 cast in threaded bars; cast into reinforced concrete foundation; include for drilling/ forming holes as required in concrete structure; all in accordance with Engineer's drawings and details; all in accordance with Engineers drawings and specifications (Refer to Engineers Drg 4000, detail 10 for further details)					
	Bolts					
B	generally; 195mm long	20	nr			
	Holding Down Bolts; M24 Grade 8.8 cast in threaded bars; cast into reinforced concrete foundation; include for drilling/ forming holes as required in concrete structure; all in accordance with Engineer's drawings and details; all in accordance with Engineers drawings and specifications (Refer to Engineers Drg 4001, detail 12 for further details)					
	Bolts					
C	generally; 195mm long	25	nr			

	Description	Qty	Unit	Rate	€	c
	EL (28) FRAMES (Cont'd)					
	Holding Down Bolts; M24 Grade 8.8 cast in threaded bars; cast into reinforced concrete foundation; include for drilling/ forming holes as required in concrete structure; all in accordance with Engineer's drawings and details; all in accordance with Engineers drawings and specifications (Refer to Engineers Drg 4001, detail 12 for further details)					
	Bolts					
A	generally; 400mm long	4	nr			
	Holding down assemblies					
B	350 x 350 x 20mm thick welded end plate; 5no. M24 grade 8.8 Chemical anchors (measured elsewhere); include for 5 Nr 12mm thick Stiffeners; Refer to Engeers drawing 4001 detail 12 & Section X2 for further details & requirments	5	nr			
C	380 x 380 x 20mm thick welded end plate; 4no. M24 grade 8.8 Chemical anchors (measured elsewhere); Refer to Engeers drawing 4000 detail 10 for further details & requirments	5	nr			
D	400 x 400 x 20mm thick welded end plate; 4no. M24 grade 8.8 Chemical anchors (measured elsewhere); including 60mm hole formed with polystyrene formed or similar & 2Nr 100 x 100 x 10 EA; Refer to Engeers drawing 4011 "Typical Steel Column Encasement Detail for further details & requirments	1	nr			
	Grouting					
	High strenght non-shrink grout to base plate; 25mm thick;Refer to Engeers drawing 4001 detail 12 & Section X2 for further details & requirments					
E	350 x 350mm overall size; base plate	5	nr			
	High strenght non-shrink grout to base plate; 25mm thick; ; Refer to Engeers drawing 4000 detail 10 for further details & requirments					

	Description	Qty	Unit	Rate	€	c
	EL (28) FRAMES (Cont'd)					
A	380 x 380mm overall size; base plate	5	nr			
	High strenght non-shrink grout to base plate; 25mm thick; Grout on completition with C28/35 Concrete; Refer to Engeers drawing 4011 "Typical Steel Column Encasement Detail for further details & requirments					
B	400 x 400mm overall size; base plate	1	nr			
	PAINTING & DECORATING					
	INTUMESCENT PAINT COATINGS					
	Nullifire equivalent to Architect's approval. Fire resistance (to BS 476-21): 60 minutes. Primer: Carbomatic 15LT- or equivalent to Architect's approval. Topseal: Type: Carboxane 2000. Dry film thickness as recommended by manufacturer. Colour: BS 4800. A top sealer coat to be applied to protect the intumescent layer from moisture (non decorative finish in this instance). Primer: nullifire PM021 Epxoy Polyamide Primer. Top sealer: Nullifire TS816 water based acrylic topcoat all strictly to nulliifires recommendations and schedule all in accordance with Architect's/ Engineer's drawings and specifications; apply strictly in accordance with manufacturer's written instructions					
	Structural metalwork; general surfaces; girth exceeding 300mm					
C	generally	35	m2			

Description	Qty	Unit	Rate	€	c
EL (28) FRAMES (Cont'd)					
COLLECTION					
Page No. BQ/267					
Page No. BQ/268					
Page No. BQ/269					
Page No. BQ/270					
Page No. BQ/271					
Page No. BQ/272					
Page No. BQ/273					
Page No. BQ/274					
Page No. BQ/275					
Page No. BQ/276					
EL (28) FRAMES **Carried to Summary**					

	Description	Qty	Unit	Rate	€	c
	EL (31) EXTERNAL WALL COMPLETIONS					
	INFORMATION					
	1. The Contractor is advised that the Architect's, Structural and Services Engineer's Drawings and Specifications (Works Requirements) are all complimentary to each other and should be read in conjuntion with one another		Note			
	2. The Contractor shall refer to the Drawings and Specifications included in the Works Requirements, Volume A		Note			
	BRICKWORK AND BLOCKWORK					
	ANCILLARIES TO BRICKWORK/BLOCKWORK					
	Kingspan Insulation Kooltherm Cavity Closer 140 or equivalent; various sizes to suit cavity widths, 150mm cavity generally; decreasing to 100mm at interface on Corrugated facade metal stud; Accessories: Jointing clip, Jointing Strip & Fixing Tie; Mushroom fix; fit tightly between leafs of cavity walls; all installations in accordance with Manufacturers instructions and in accordance with Architects & Engineers drawings and specifications					
	Closing cavities at openings for windows/ doors					
A	cavity width 160mm; cills	130	m			
B	cavity width 160mm; heads	186	m			
C	cavity width 160mm; jambs	315	m			
	Polyethylene damp proof course; Standard: to BS 6515; manufacturer: Contractor's choice; Product Reference: Contractor's choice; laps 200mm; all installations in accordance with Manufacturers instructions & Architects drawings and specifications					
	Damp proof courses					
D	width not exceeding 225mm; horizontal; under cill supports	130	m			
E	width exceeding 225mm; vertical; jambs	110	m2			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
A	width exceeding 225mm; stepped; over windows & doors	84	m2			
B	width exceeding 225mm; horizontal; under cills	46	m2			
	WOODWORK					
	STRUCTURAL AND FIRST FIXINGS					
	Sawn softwood timber to ISEN1995; strength class C16; organic solvent treated					
	First fixings; continuous packing grounds for window boards and window /door liners; fixed to concrete beam/blockwork					
C	cross section 20mm x 20mm	510	m			
	First Fixings; continuous packing, treated timber cill support for underneath all cills; fixed to concrete beam/blockwork					
D	cross section 40mm x 100mm	285	m			
	BOARDING AND SECOND FIXINGS					
	MDF window board; 22mm thick; bullnosed edge; fix with lost head nails at 600mm centres; wood & insulation background; mastic sealing as detailed; all in accordance with Architect's drawings and specifications; refer to Architect drawings 4104 for further details & requirements					
	Second fixings; window boards					
E	width 225mm; window boards	130	m			
F	width 350mm; window boards	14	m			
G	extra over for 20mm Compacfoam packer under window board; refer to Architect drawing 4104 for further details & requirements	144	m			
	Second fixings; liners to windows, doors and curtain walls; fixing with Hilti HUS 6 or equivalent fixings					
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
A	width 225mm; heads	145	m			
B	width 225mm; jambs	283	m			
C	width 350mm; heads	41	m			
D	width 350mm; jambs	32	m			
E	extra over for 40 x 100mm Compacfoam or equivalent window packer, max thermal conductivity 0.046W/mK; refer to Architect drawing 4103 for further details & requirements	501	m			
	IRONMONGERY/ACCESSORIES/SUNDRIES					
	Single chain electric actuator or equivalent 230v electrical remote opening device system, including all necessary accessories; colour Grey; minimum opening distance 300mm; use USA2 synchronisation unit for large windows and banks of windows as required; fixing to aluminium window frame and concrete blockwork background; all installations in accordance with manufacturers instructions and in accordance with Architect's drawings and specifications					
	Ironmongery; electrical remote opening device to suit top hung opening section in the following window types					
F	Type 1 - 3835mm wide x 685mm high - (NL 001, 002, 003, 004)	4	nr			
	METALWORK					
	WINDOWS AND DOORS					
	Supply and install the following Units and the like strictly in accordance with the Architect's drawings and Window and Door Schedule including all associated standards and Architects specifications for WIndows, External Doors, Curtain Walling and Glazing. The contractor is required to comply in full with relevent Architects specifications and shall refer to same when pricing windows		Note			
	Rates to include for the supply, delivery and installation of all units		Note			
				To Collection €		

Description	Qty	Unit	Rate	€	c
EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
All necessary sealing, EDPM sealing, sealant, flashings, cover slips, dividing strips, inserts etc. required to complete the works to the Architect's drawings are deemed to be included		Note			
All ironmongery, locking mechanisms, hardware and the like are deemed to be included		Note			
Windows and doors must have a design life span of not less than 50 years		Note			
All external doors and windows to acheive u-value of 1.20W/m2K		Note			
All coloured aluminium spandral panels to be included for in window / door rates as shown on window and door elevations/ schedules		Note			
All PPC Aluminium louvre panels to be included for in window / door rates as shown on window and door elevations/ schedules		Note			
Glazing Manifestations to Windows / Doors as per Architects window and door elevations / schedules		Note			
All trickle vents where shown on drawings to be included in window/ door rates; permavents to achieve a minimum air tightness of 3m3/hr/m2 at 50pa when doors, windows and trickle vents are closed and complete with pull cord controls where indicated on Architect's schedule		Note			
All windows which have glazed in window ventilators to be ducoplus 60 compact vents or equivalent, vents shall be tested to BS6375 Part 1 1989, and acheive the same requirements of the window unit for purposes of air permeability, water tightness and wind resistance.		Note			
			To Collection €		

Description	Qty	Unit	Rate	€	c
EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
All high level opening sections to have level manual winders for opening, supplied by the window contractor. Where window openings are considered to be unreachable they shall be fitted with manual teleflex window gearing. Each set of windows shall be controlled by 1 No. Morse Midi operator (Part No. 714600); windows shall be opened using Morse 250mm chain openers (Part No. 213241) with conduit, Teleflex cable and saddle fixings to wall. All components shall be finished in a white polyester powder coated paint finish. Where indicated on drawings, the windows shall be controlled by chain operated actuators with 230v motors with reverse polarity for open / close operation, with automatic limit switching between 90mm and 400mm effective stroke distance of high level windows to ensure adequate free openable area, see also mechanical and electrical specification, all in accordance with Architects drawing Nr 6002		Note			
Low level opening sections to be fitted with restrictors preventing sections from opening beyond 100mm. High level opening sections to be fitted with restrictors preventing sections from opening beyond 380mm.		Note			
Actuators and Automatic Opening vents: Where indicated on the schedules, see also mechanical & electrical specification. The window system will come complete with the actuators, with the power cabling being brought to each actuator and the control box cabling by others.		Note			

Description	Qty	Unit	Rate	€	c
EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
All windows and doors, unless noted otherwise, to be thermally broken polyester powder coated aluminium double glazed window and door system. extruded aluminium profiles shall be fabricated from designated treated alloy 6060 or 6063 in tempers t4, t5 or t6 conforming to BS EN 755-9:2001. The Aluminium profiles used in construction of the frames excluding glazing beads, nibs, interlocks and similar features shall be, at minimum tolerance, not less than 1.2mm thick. The aluminium extrusion of window system to be RAL metalic 8701M.		Note			
Each window assembly must be manufactured in accordance with Part F table 1 ventilation of room direct to external air of the current building regulations and achieve a minimum rapid ventilation area of 1/20th of the floor area of the room, the following criteria should be used for background ventilation: floor area up to 10m2 - 7000mm2, floor area over 10m2 - 700mm2/m2 of floor area.		Note			
All windows and doors to withstand the design pressure calculated in accordance with BS 6375-1 or BS 6399-2. The type and quality of glass shall conform to BS952-1.		Note			
Safety glass to be a minimum 6.4mm laminated to BS EN 12600, safety glass to be provided to windows as indicated on Architects External Window Schedule and Curtain Wall Schedule.		Note			

Description	Qty	Unit	Rate	€	c
EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
The aluminium window and door frame shall be finished with the following: (ii) a powder coating conforming to BS EN 12206-1:2004: 'Paints and Varnishes - coating of aluminium and aluminium alloys for architectural purposes', or (iii) a polyester powder coating interpon d or syntapulvin (not a mixture of both) applied by qualicoat approved applicator using a selected RAL colour finish to BS EN 12206-1 (2004). Prior to the application of the polyester power coating the aluminium profiles are to be pretreated using an 8-stage process of acid etching, chrome or chrome free process to qualicoat approval and water rinsing. A guarantee of 25 years must be applied for in advance of starting the project on site. It is noted that this period of time is subject to the location or proximity of the school to marine environment.		Note			
Gaskets to be extruded EPDM to BS 7412:2022. Weather strips and gaskets to BS 4255 part 1.		Note			
Standard ironmongery to all doors and windows to be agreed with architect prior to manufacture. Fire escape doors to have panic ironmongery where necessary (see fire drawings).		Note			
Threshold piece to all external doors to be supplied and fitted by window contractor.		Note			
Supply and Fit of all aluminium windows are to be in accordance with BS 4873: 2009 (BS EN 14351-1) specification for aluminium alloy windows. The operation and strenght characteristics of opening lighs shall be in accordance with BS 6375 part 2.		Note			
Masterkey to be provided for all internal and external doors		Note			
			To Collection €		

Description	Qty	Unit	Rate	€	c
EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
The window schedule takes precedence over elevation drawings and should be rear in conjunction with the plans and sections. All dimensions given here are nominal, therefore all dimensions to be checked on site.		Note			
All windows to be submitted as shop drawings and sample for written approval of Architect before manufacture		Note			
It is the responsibility of the window manufacturer to ensure that all elements of the relevant tgd and other guidance notes issued by the DoES are fully complied with. No windows should be manufactured without written approval of window samples as set out in the works requirements.		Note			
The window system must have all the test certificates available for inspection as required in accordance with Architects specification		Note			
All external doors to be prepared for access control as per M&E drawing Nr EL108 and the mechanical & electrical specification		Note			
Door systems to accommodate electric locking, door position contacts and concealed power transfer as required. Power and control cabling by M&E contractor		Note			
The successful contractor will be responsible for the design, supply, fabrication and installation of the doors, all in accordance with best building practice and the system supplier's recommendations.		Note			
The contractor will be responsible for providing all proposals, drawings, samples etc. required to satisfy the requirements of the tender, and to demonstrate that the contractor is competent and able to execute the works in a proper and timely manner.		Note			
			To Collection €		

Description	Qty	Unit	Rate	€	c
EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
In advance of any works commencing, the contractor will provide the design team with all test data covering all the proposed systems.		Note			
After award and prior to any work commencing, the contractor will provide the design team with a full set of detailed shop drawings showing all relevant interfaces, system junctions, flashing details and glass types, and indicating all surfaces being painted.		Note			
Prior to practical completion, the contractor will provide the design team with as-built drawings detailing any changes that occurred on site and noting any difficulties that arose, and a maintenance manual providing all relevant information about suppliers and items that need regular cleaning etc.		Note			
The contractor will be required to inform the design team if any of the relevant building work is not in accordance with the overall design and will require the approved design of the glazed structure to be altered.		Note			
The Architect and design team have chosen the following system for use in this project. All alternative systems proposed must meet or exceed the requirements of this specification, and no reduction in the period of the warranty will be accepted		Note			
Evidence of performance: Provide independently certified test evidence that all specified door & window systems, double and triple glazed units, insulated panels and sealants, along with other variants of components, comply with specified performance requirements.		Note			
			To Collection €		

Description	Qty	Unit	Rate	€	c
EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
Site dimensions: Allow for site dimensions to be taken and incorporated into fabrication drawings before starting production of the doors and associated fittings. Sizes shown on drawings are based upon the assumption that main steel frame and blockwork to the building is set out to a high degree of accuracy. To take account of building tolerances it may be necessary to re-size doors and fittings, and it is the Contractor's responsibility to ensure these revisions are agreed with the Architect before shop drawings are produced. The work sizes for overall length and height shall be documented.		Note			
Site dimensions: Allow for site dimensions to be taken and incorporated into fabrication drawings before starting production of the windows and associated fittings. Screen sizes shown on drawings are based upon the assumption that main steel frame and blockwork to the building is set out to a high degree of accuracy. To take account of building tolerances it may be necessary to re-size screen and fittings, and it is the Contractor's responsibility to ensure these revisions are agreed with the Architect before shop drawings are produced. The work sizes for overall length and height shall be documented.		Note			
Site survey: The responsibility of the door contractor, in accordance with BS 8213-4 code of practice for the survey and installation of windows and external doors. Terminology to BS EN 12519:2018		Note			
Site survey: The Site survey of the windows will be the responsibility of the window contractor and comply with BS 8213-4, code of practice for the survey and installation of windows and external doors. Terminology to BS EN 12519:2018		Note			

	Description	Qty	Unit	Rate	€	c
	EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
	Shop drawings: A full set of shop drawings to be issued to the design team for approval, showing all interfacing details with the building structure, which aluminium system is used and where, and that no risk of cold bridging exists. Thermal analysis software such as Flixo or equivalent to be used to confirm the thermal efficiency of all interfacing details, aluminium profiles and glazing materials. All isolators and barriers used to prevent bimetallic corrosion to be called up. All details to be fully labelled, dated and revisions noted. Design team approval to be received prior to works commencing.		Note			
A	The contractor shall note all requirements set out in Sections L10 & L20 of the Architects specification and Drg Nrs 6001& 6002 associated with External windows and doors and include for any costs associated with satisfying same in there tender		note			
B	Design intent for contractor design portion is shown for secondary steel supports to windows, Size and fixings of members shown is indicative and must be verified through design calculations by the Main contractor or their specialist window subcontractor. Sd, Si, Sc and Css/ Cs Ancillary Certification required.		item			

Description	Qty	Unit	Rate	€	c
EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
Aluminium glazed window system; Approved System: To achieve U-value of 1.2 W/m2K. Manufacturer: APA Systems or equivalent to Architect's approval. Product reference: APA ST70HI+ casement window or equivalent to Architect's approval. Size: As per window schedules. Type: Casement, top hung and side hung outward opening. with glass and insulated alunimium panels all glazed externally using extruded aluminium glazing beads and extruded EPDM captive gaskets. Finish/ Colour: External: Polyester powder coat, RAL Dark Grey to Architect's selection, Internal: Polyester powder coat, RAL colour to Architect's selection. Glazing: Double or triple glazed insulating glass units, the centre pane Ug value of each sealed unit should acheive a target figure of 1.0 W/ m2K, giving an overall Uw of 1.2W/m2K or less. Handles: Sample to be submitted. Accessories: Storm stainless steel friction hinges, DucoPlus 60 Compact Vents, Teleflex winders to high level openings, glazing as specified, double or triple glazed units to a maximum thickness of 50mm can be used to acheive the required thermal performance, the glass should be soft coat low "E" to the required thickness with a 90% argon filled cavity, safety glass to be heat soaked toughened or heat strengthened laminated glass to BS6262 and BS EN 12600 (see window schedule for locations of laminated glass), Total solar transmittance of the window shall not be greater than 70%, glazing light transmittance factor shall not be less than 30%. including where indicated all opening sections, polyester powder insulated aluminium spandrel panels etc. PPC aluminium insulated spandrel panels are to be protruding out beyond the line of the glazing and are to manufactured using 3mm aluminium plate formed with welded waterproof corners filled with a suitable thickness of phenolic board insulation. the panel is to protrude out from the external glass and is to line uo with the external line of glazing bead with a gap big enough to allow for installation of the bead (predicted to be 10mm). The panels are to be polyester powder coated in the same factory as the aluminium sections. Glazed in flat aluminium frames and acceptable manufacturer's equivalent detailed on Architects drawings, window schedule drawings,					

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	Description	Qty	Unit	Rate	€	c
	EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
	include cover slips, dividing strips, inserts, lugs, brackets and expanding foam to fill gaps and all other necessary components to complete installations; all in accordance with manufacturers instructions; all in accordance with Architects drawings and specification, refer to Architects Drg Nr 6002 for external window schedules and Architects specification for further information and requirements					
	Composite items; windows					
A	Type A - 5410mm wide x 2850mm high, incorporating 1 Nr 2300mm high x 290mm wide polyester powder coated insulated aluminium spandral panel, Colour: Orange RAL 2011 or similar approved; and 1 Nr 5410mm wide x 450mm high overhead louvre, RAL to match banding; Glass Type: safety glass - (WG 002)	1	nr			
B	Type A - 5410mm wide x 2400mm high, incorporating 1 Nr 2300mm high x 290mm wide polyester powder coated insulated aluminium spandral panel, Colour: Orange RAL 2011 or similar approved - (WF 004)	1	nr			
C	Type B - 1135mm wide x 2710mm high; Glass Type: safety glass - (WG 001)	1	nr			
D	Type C - 1135mm wide x 2925mm high; Glass Type: safety glass - (WG 003)	1	nr			
E	Type D - 5175mm wide x 2925mm high, incorporating 1 Nr 2825mm high x 290mm wide polyester powder coated insulated aluminium spandral panel, Colour: Orange RAL 2011 or similar approved; Glass Type: safety glass - (WG 004)	1	nr			
F	Type E - 1360mm wide x 2925mm high; Glass Type: safety glass - (WG 005)	1	nr			
G	Type F - 1135mm wide x 2925mm high; Glass Type: safety glass - (WG 006, 008, 009, 011)	3	nr			

	Description	Qty	Unit	Rate	€	c
	EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
A	Type F1 - 1135mm wide x 3355mm high; incorporating 1 Nr 1135mm wide x 430mm high overhead louvre, RAL to match banding; Glass Type: safety glass - (WG 011)	1	nr			
B	Type G - 1135mm wide x 2925mm high; Glass Type: safety glass - (WG 007)	1	nr			
C	Type G1 - 1135mm wide x 3325mm high; incorporating 1 Nr 1135mm wide x 400mm high overhead louvre, RAL to match banding; Glass Type: safety glass - (WG 010)	1	nr			
D	Type H - 2710mm wide x 2435mm high; incorporating 1 Nr 2710mm wide x 400mm high overhead louvre, RAL to match banding; Glass Type: safety glass - (WG 012)	1	nr			
E	Type J - 910mm wide x 910mm high - (WG 014, WF 015, 016)	3	nr			
F	Type K - 1360mm wide x 1360mm high - (WG 015)	1	nr			
G	Type K - 1360mm wide x 1360mm high - (WF 017); window opened by winder	1	nr			
H	Type L - 2925mm wide x 2250mm high - (WG 016)	1	nr			
I	Type M - 910mm wide x 2510mm high, incorporating 1 Nr 910mm wide x 260mm high overhead louvre, RAL to match banding - (WG 017)	1	nr			
J	Type N - 2260mm wide x 2510mm high, incorporating 1 Nr 2260mm wide x 260mm high overhead louvre, RAL to match banding - (WG 018, 019, 020, 021)	4	nr			
K	Type Q - 1585mm wide x 2250mm high; Glass Type: safety glass - (WG 023, 024, 025)	3	nr			
L	Type R - 2260mm wide x 2400mm high; Glass Type: safety glass - (WG 027, 029)	2	nr			
M	Type R - 2260mm wide x 2400mm high - (WF 011, 013)	2	nr			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
A	Type S - 910mm wide x 2400mm high; Glass Type: safety glass - (WG 028)	1	nr			
B	Type S - 910mm wide x 2400mm high - (WF 012)	1	nr			
C	Type T - 6535mm wide x 2400mm high, incorporating 1 Nr 2300mm high x 265mm wide polyester powder coated insulated aluminium spandral panel, Colour: Orange RAL 2011 or similar approved - (WF 001, 002, 003, 020)	4	nr			
D	Type U - 1135mm wide x 2700mm high - (WF 005, 006, 007, 008)	4	nr			
E	Type V - 1135mm wide x 1125mm high - (WF 009)	1	nr			
F	Type W - 3160mm wide x 2400mm high - (WF 019)	1	nr			
G	Type Y - 6535mm wide x 2400mm high, incorporating 1 Nr 2300mm high x 265mm wide polyester powder coated insulated aluminium spandral panel, Colour: Orange RAL 2011 or similar approved - (WF 010, 014)	2	nr			
H	Type Z - 1810mm wide x 1810mm high - (WF 018)	1	nr			
I	Type 1 - 3835mm wide x 685mm high - (NL 001, 002, 003, 004)	4	nr			
J	Type P - 910mm wide x 2510mm high, incorporating 1 Nr 910mm wide x 410mm high overhead louvre, RAL to match banding - (WG 022)	1	nr			
				To Collection €		

Description	Qty	Unit	Rate	€	c
EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
Door System: APA ST70HI+ highly insulated rebate door system or equivalent to architects approval, with glass and insulated aluminium panels all glazed internally using extruded aluminium glazing beads and extruded EPDM captive gaskets. Construction: 70 mm deep thermally broken rebate door system, constructed using outer and inner aluminium extrusions bonded together using multi-cored low lambda value polyamide, closed cell polyethylene, rigid polyurethane, and solid and cellular EPDM glazing and centre seal gaskets, forming a high performance thermal barrier, with double cleated corners for operational strength. Section depth: Total depth of the assembled section front to back not less than 70 mm, containing an insulated centre gasket between sash and frame and an edge wrap-around to the double or triple glazed unit, eliminating any open cavities in these areas. Operation: Open in/ out rebate door with a multipoint locking system located on the frame to prevent cold bridging through the ironmongery. Corner alignment: Die cast aluminium chevron with two adjustable cams to close and align profiles at each corner joint. Pressed metal chevrons will not be accepted. Corner strength: Each corner double cleated using cast aluminium split cleats with nailed corners. Cut cleats and crimped corners are not acceptable. Profiles: Extruded from aluminium alloy 6060 T6 to BS EN 12020-2 / BS EN 755-9:2016, with polyamide thermal break sections of glass reinforced nylon capable of withstanding temperatures in excess of 200°C. Manufacture: To BS 4873:2016 (BS EN 14351-1). Ancillary components (sills, couplings etc.) formed from sheet: Alloys 1200, 3103, 5005 or 5251 to BS EN 485-2, in temper suitable for the application and degree of forming. Structural profiles: Designed so that no member shows evidence of permanent deformation once the load has been removed, in line with CWCT clause 5.5.2.2. Stability and suitability to be confirmed by the fabricator's engineers. Calculations to be submitted for approval prior to commencing installation. Deflection: Not to exceed L/200 of span, or 15 mm whichever is the lesser. Door sashes: Sized in accordance with the system manufacturer's and hinge manufacturer's technical literature.					

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Description	Qty	Unit	Rate	€	c
EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
Frame U-value: Combined outer frame and sash (Uf) not to exceed 1.4 W/m2K. Whole door U-value: Weighted average Uw of 1.2 W/m2K or better, calculated from Uf, Ug and psi proportionate to their areas and lengths. Weathertightness: The door installation will include all products, fixings and interface components necessary to provide a weatherproof and airtight (Class A4) enclosure in accordance with the design requirements and contract conditions. Minimum exposure category (design wind load): 1400 Pa, or higher if necessary, to I.S. EN 1991-1-1 and I.S. EN 1991-1-4. Thresholds: Wheelchair friendly, with a double seal against water and air ingress. Double doors: Shoot bolt system of the slave leaf concealed within the frame and activated by a concealed lever on the side of the slave leaf. Sidelights and fanlights: Door system capable of integrating side lights and fan lights without coupling the framing, with all glazing internally beaded.Rebate cover: Non-interrupted and continuous 8 mm cover to the rebate. All ironmongery, including choice of hinges, to be confirmed by the design team. Refer to ironmongery schedule, Assemble and fix carefully and accurately using fasteners with matching finish supplied by ironmongery manufacturer. Prevent damage to ironmongery and adjacent surfaces. At completion check, adjust and lubricate as necessary to ensure correct functioning. Finish: Polyester powder coating applied by a Qualicoat approved applicator using the Interpon D paint system, matt finish, to BS EN 12206-1. Colour: RAL TBC by Architect. Guarantee: 25 years, submitted to the Architect before starting on site. It is noted that this period is subject to proximity of the building to a marine or industrial environment. Glazing as specified: Double or triple glazed, maximum 50 mm thick, soft coat low E, 90% argon filled cavity, warm edge spacer with low psi value. Safety glass to heat soaked toughened or heat stregthened laminated to BS 6262 and BS12600 (see schedule for locations of safety glass), including where indicated all opening sections as detailed on Architects external door schedule drawings, fixing and fastening complete.					
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	Description	Qty	Unit	Rate	€	c
	EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
	with manufacturers instructions, include cover slips, dividing strips, inserts, lugs, brackets and expanding foam, silicon mastic to fill gaps and all other necessary components to complete installations; all in accordance with manufacturers instructions, refer to Architects Drg Nr 6001 external door schedule and Architects specification section L20 for further information and requirements					
	Doors; with associated window					
A	Type B - 1360mm wide x 2260mm high; single door with 1360mm wide x 890mm high overhead Fanlight; Ironmongery Type: E2 - (DE 002)	1	nr			
B	extra over for Door access control system; including all associated wiring / connections, grounds etc as per M&E drawings, and all other ironmongery to form complete set, all installations in accordance with manufacturers instructions & architects drawings and specification; refer to Architect drawings and specification for further details	1	nr			
C	extra over for etchings on windows/ doors; all installations in accordance with manufacturers instructions & architects drawings and specification; refer to Architect drawing 6001 for further details	12	nr			
D	Type C - 1810mm wide x 2305mm high; Double Door with 1810mm wide x 845mm high overhead Fanlight; Ironmongery Type: E3 - (DE 003)	1	nr			
E	extra over for Door access control system; including all associated wiring / connections, grounds etc as per M&E drawings, and all other ironmongery to form complete set, all installations in accordance with manufacturers instructions & architects drawings and specification; refer to Architect drawings and specification for further details	1	nr			

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	Description	Qty	Unit	Rate	€	c
	EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
A	extra over for etchings on windows/ doors; all installations in accordance with manufacturers instructions & architects drawings and specification; refer to Architect drawing 6001 for further details	14	nr			
B	Type D - 1135mm wide x 2390mm high; single door with 1135mm wide x 320mm high overhead Fanlight; Ironmongery Type: E2 - (DE 013)	1	nr			
C	extra over for etchings on windows/ doors; all installations in accordance with manufacturers instructions & architects drawings and specification; refer to Architect drawing 6001 for further details	8	nr			
D	Type E - 1360mm wide x 2260mm high; single door with 1360mm wide x 890mm high overhead Fanlight; Ironmongery Type: E4 - (DE 004, 005, 009)	3	nr			
E	extra over for Door access control system; including all associated wiring / connections, grounds etc as per M&E drawings, and all other ironmongery to form complete set, all installations in accordance with manufacturers instructions & architects drawings and specification; refer to Architect drawings and specification for further details	3	nr			
F	extra over for etchings on windows/ doors; all installations in accordance with manufacturers instructions & architects drawings and specification; refer to Architect drawing 6001 for further details	36	nr			
G	Type F - 1810mm wide x 2260mm high; double door; Ironmongery Type: E5 - (DE 008)	1	nr			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
A	extra over for Door access control system; including all associated wiring / connections, grounds etc as per M&E drawings, and all other ironmongery to form complete set, all installations in accordance with manufacturers instructions & architects drawings and specification; refer to Architect drawings and specification for further details	1	nr			
B	extra over for etchings on windows/ doors; all installations in accordance with manufacturers instructions & architects drawings and specification; refer to Architect drawing 6001 for further details	12	nr			
				To Collection €		

Description	Qty	Unit	Rate	€	c
EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
Louvred Door System: APA ST70HI+ highly insulated rebate door system or equivalent to architects approval, with glass and insulated aluminium panels all glazed internally using extruded aluminium glazing beads and extruded EPDM captive gaskets. Construction: 70 mm deep thermally broken rebate door system, constructed using outer and inner aluminium extrusions bonded together using multi-cored low lambda value polyamide, closed cell polyethylene, rigid polyurethane, and solid and cellular EPDM glazing and centre seal gaskets, forming a high performance thermal barrier, with double cleated corners for operational strength. Section depth: Total depth of the assembled section front to back not less than 70 mm, containing an insulated centre gasket between sash and frame and an edge wrap-around to the double or triple glazed unit, eliminating any open cavities in these areas. Operation: Open in/ out rebate door with a multipoint locking system located on the frame to prevent cold bridging through the ironmongery. Corner alignment: Die cast aluminium chevron with two adjustable cams to close and align profiles at each corner joint. Pressed metal chevrons will not be accepted. Corner strength: Each corner double cleated using cast aluminium split cleats with nailed corners. Cut cleats and crimped corners are not acceptable. Profiles: Extruded from aluminium alloy 6060 T6 to BS EN 12020-2 / BS EN 755-9:2016, with polyamide thermal break sections of glass reinforced nylon capable of withstanding temperatures in excess of 200°C. Manufacture: To BS 4873:2016 (BS EN 14351-1). Ancillary components (sills, couplings etc.) formed from sheet: Alloys 1200, 3103, 5005 or 5251 to BS EN 485-2, in temper suitable for the application and degree of forming. Structural profiles: Designed so that no member shows evidence of permanent deformation once the load has been removed, in line with CWCT clause 5.5.2.2. Stability and suitability to be confirmed by the fabricator's engineers. Calculations to be submitted for approval prior to commencing installation. Deflection: Not to exceed L/200 of span, or 15mm whichever is less.					

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Description	Qty	Unit	Rate	€	c
EL (31) EXTERNAL WALL COMPLETIONS (Cont'd) Door sashes: Sized in accordance with the system manufacturer's and hinge manufacturer's technical literature. Frame U-value: Combined outer frame and sash (Uf) not to exceed 1.4 W/m2K. Whole door U-value: Weighted average Uw of 1.2 W/m2K or better, calculated from Uf, Ug and psi proportionate to their areas and lengths. Weathertightness: The door installation will include all products, fixings and interface components necessary to provide a weatherproof and airtight (Class A4) enclosure in accordance with the design requirements and contract conditions. Minimum exposure category (design wind load): 1400 Pa, or higher if necessary, to I.S. EN 1991-1-1 and I.S. EN 1991-1-4. Thresholds: Wheelchair friendly, with a double seal against water and air ingress. Double doors: Shoot bolt system of the slave leaf concealed within the frame and activated by a concealed lever on the side of the slave leaf. Sidelights and fanlights: Door system capable of integrating side lights and fan lights without coupling the framing, with all glazing internally beaded.Rebate cover: Non-interrupted and continuous 8 mm cover to the rebate. All ironmongery, including choice of hinges, to be confirmed by the design team. Refer to ironmongery schedule, Assemble and fix carefully and accurately using fasteners with matching finish supplied by ironmongery manufacturer. Prevent damage to ironmongery and adjacent surfaces. At completion check, adjust and lubricate as necessary to ensure correct functioning. Finish: Polyester powder coating applied by a Qualicoat approved applicator using the Interpon D paint system, matt finish, to BS EN 12206-1. Colour: RAL TBC by Architect. Guarantee: 25 years, submitted to the Architect before starting on site. It is noted that this period is subject to proximity of the building to a marine or industrial environment.					

	Description	Qty	Unit	Rate	€	c
	EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
	Glazed in louvre panels: Louvre system APA L20 extruded aluminium glazed in louvre with dark grey nylon insect guard and base drip water collection tray, Blades: 25mm blade size and set out, with starter and closer blades to top and bottom of the glazed in panel, Blade retention: Extruded aluminium spring clips retaining the blades in the correct position to acheive the required free area,Weatherstripping: Renewable without removing the outer frame from the structure of the building, Carrier frame: Retained in the glazing aperture of the door with the glazing beads, with no extra fixing required. Support mullions: At circa 600 mm centres. Finish: Frames, blades, spring clips, support mullions etc. assembled into the required panel size before being polyester powder coated to match the door colour, using class 2 powder. Free area: 48%, glazed in accordance with the L20 louvre manual. Where free area is not required (aesthetic louvres only): Close off the louvre panel with 1.5 mm aluminium sheet, powder coated to match the louvres using class 2 polyester powder. Each fabricator/ installer must demonstrate compliant louvre choice with tender return, fixing and fastening all in accordance with manufacturers instructions, include cover slips, dividing strips, inserts, lugs, brackets and expanding foam, silicon mastic to fill gaps and all other necessary components to complete installations; all in accordance with manufacturers instructions, refer to Architects Drg Nr 6001 external door schedule and Architects specification section L20 for further information and requirements					
	Doors (louvred)					
A	Type G - 1810mm wide x 2260mm high; double door; louvred; Ironmongery Type: E6 - (DE 012)	1	nr			
B	Type H - 1135mm wide x 2260mm high; insulated panel; Ironmongery Type: E8 - (DE 101)	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
	Door System: APA TB50 non-rebated door or equivalent to Architects approval. Operator: Geze slimdrive automatic operator. Refer to clause 490B. Access Control: To SEN lobby door and inner SEN lobby door, as per M&E drawing EL108, power ans control cabling by M&E contractor. Finish: Polyester powder coating, applied by a Qualicoat approved applicator using the Interpon D paint system, Matt finish, to BS EN 12206-1. Colour: RAL TBC by Architect. Pre-treatment: 8 stage process including surface primer and water rinsing. Guarantee: 25 years, submitted to the Architect before starting on site. It is noted that this period is subject to proximity of the building to a marine or industrial environment. Batch: all profiles, panels, flashings, pressings and trims processed in one batch, with all powder coating from the same manufacturer, to ensure continuity of finish. fixing and fastening all in accordance with manufacturers instructions, include cover slips, dividing strips, inserts, lugs, brackets and expanding foam, silicon mastic to fill gaps and all other necessary components to complete installations; all in accordance with manufacturers instructions, refer to Architects Drg Nr 6001 external door schedule and Architects specification section L20 for further information and requirements					
	Doors; with associated window					
A	Type A - 2035mm wide x 2305mm high; Double Door with 2035mm wide x 845mm high overhead Fanlight; Ironmongery Type: E1 - (DE 001)	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
A	extra over for Door access control system to SEN Secure lobby double door set, Geze Slimdrive EMD-F or equivalent power assist opener to Architects approval, Activation and control system; automatic power assist, Safety devices: Presence sensor, Breakout facility: not required, Locking mechanism: Electro-mechanical; including all associated wiring / connections, grounds etc as per M&E drawings, and all other ironmongery to form complete set, all installations in accordance with manufacturers instructions & architects drawings and specification; refer to Architect drawing 6001 and specification L20/490B for further details	1	nr			
B	extra over for etchings on windows/ doors; all installations in accordance with manufacturers instructions & architects drawings and specification; refer to Architect drawing 6001 for further details	18	nr			
	Metal Louvres to blockwork/ cladding; PPC Aluminium to Architect's choice of colour; Number of louvre banks: One; Louvre blade pitch and angle: To mechanical engineers requirements from standard manufucturers range; Blanking panels: As required and insulated; Accessories/ Other requirements: Stainless steel bird mesh; Fixing: Bolted to structure; (forming opening in structures measured elsewhere); all installations and weathering in accordance with the manufacturer's instructions; all in accordance with Architect's drawing Nr's 6002, 2011 & 2012 and specifications					
	Composite item (Metal Louvres)					
C	1700mm wide x 350mm high opening size; blockwork exterior (Ref: VF01)	1	nr			
D	1700mm wide x 350mm high opening size; blockwork exterior (Ref: VF02)	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
A	1700mm wide x 350mm high opening size; blockwork exterior (Ref: VF03)	1	nr			
B	1700mm wide x 350mm high opening size; blockwork exterior (Ref: VF04)	1	nr			
C	300mm wide x 300mm high opening size; cladding exterior (Ref: VG01)	1	nr			
D	300mm wide x 300mm high opening size; cladding exterior (Ref: VG02)	1	nr			
E	700mm wide x 390mm high opening size; blockwork exterior (Ref: VG03)	1	nr			
F	700mm wide x 390mm high opening size; blockwork exterior (Ref: VG04)	1	nr			
G	700mm wide x 350mm high opening size; cladding exterior (Ref: VG05)	1	nr			
	Siag Fentrim 330 Grey or equivalent internal airtightness tape, self adhesive tape consisting of polyolefin film and fleece coated one side with an adhesive, backed with a slit release film, all surfaces to be clean, dry and dust free; seal gap at window/door frame interface with structure; adhere tape to inner face of aluminium frame and concrete blockwork/beam; all in accordance with manufacturer's instructions to achieve airtight seal; all installation in accordance with manufacturers instructions to achieve air tightness as specified; all in accordance with Architect's drawings and specifications					
	Fixings; pointing or sealing edges; perimeter of windows & door					
H	heads	186	m			
I	cills	130	m			
J	thresholds	32	m			
K	jambs	315	m			

	Description	Qty	Unit	Rate	€	c
	EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
	EPBM airtight/watertight seal; apply around external openings, between doors/ windows & blockwork / concrete walls; all in accordance with manufacturers instructions to achieve airtight seal requirements; all installations in accordance with manufacturers instructions to achieve airtightness as specified; all in accordance with Architetcs drawings and specifications					
	Fixings; pointing or sealing edges					
A	cills, heads and jambs; generally	631	m			
	GLAZING					
	SPECIAL GLAZING					
	Supply and install the following Units and the like strictly in accordance with the Architect's drawings and Curtain Wall Schedule Drg Nr 6005 including all associated standards and Architects specifications for Curtain Walling and Glazing. The contractor is required to comply in full with relevent Architects specifications and shall refer to same when pricing the curtain walling		Note			
	Rates to include for the supply, delivery and installation of all units		Note			
	All necessary sealing, EDPM sealing, sealant, flashings, cover slips, dividing strips, inserts etc. required to complete the works to the Architect's drawings are deemed to be included		Note			
	All ironmongery, locking mechanisms, hardware and the like are deemed to be included		Note			
	Durability: Design life of the Curtain Walling system: Not less than 25 years.		Note			
	Curtain walling to acheive maximum average u-value of 1.40W/m2K		Note			
	All coloured aluminium spandral panels to be included for in window / door rates as shown on Curtain walling schedules		Note			

Description	Qty	Unit	Rate	€	c
EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
Glazing Manifestations to Windows / Doors as per Architects Curtain walling schedule Drg Nr 6005		Note			
All trickle vents where shown on drawings to be included in window/ door rates; permavents to achieve a minimum air tightness of 3m3/hr/m2 at 50pa when doors, windows and trickle vents are closed and complete with pull cord controls where indicated on Architect's schedule		Note			
All windows which have glazed in window ventilators to be ducoplus 60 compact vents or equivalent, vents shall be tested to BS6375 Part 1 1989, and acheive the same requirements of the window unit for purposes of air permeability, water tightness and wind resistance.		Note			
All high level opening sections to have level manual winders for opening, supplied by the window contractor. Where window openings are considered to be unreachable they shall be fitted with manual teleflex window gearing. Each set of windows shall be controlled by 1 No. Morse Midi operator (Part No. 714600); windows shall be opened using Morse 250mm chain openers (Part No. 213241) with conduit, Teleflex cable and saddle fixings to wall. All components shall be finished in a white polyester powder coated paint finish. Where indicated on drawings, the windows shall be controlled by chain operated actuators with 230v motors with reverse polarity for open / close operation, with automatic limit switching between 90mm and 400mm effective stroke distance of high level windows to ensure adequate free openable area, see also mechanical and electrical specification, all in accordance with Architects drawing Nr 6002		Note			
Low level opening sections to be fitted with restrictors preventing sections from opening beyond 100mm. High level opening sections to be fitted with restrictors preventing sections from opening beyond 380mm.		Note			

Description	Qty	Unit	Rate	€	c
EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
Actuators and Automatic Opening vents: Where indicated on the schedules, see also mechanical & electrical specification. The window system will come complete with the actuators, with the power cabling being brought to each actuator and the control box cabling by others.		Note			
All windows and doors, unless noted otherwise, to be thermally broken polyester powder coated aluminium double glazed window and door system. extruded aluminium profiles shall be fabricated from designated treated alloy 6060 or 6063 in tempers t4, t5 or t6 conforming to BS EN 755-9:2001. The Aluminium profiles used in construction of the frames excluding glazing beads, nibs, interlocks and similar features shall be, at minimum tolerance, not less than 1.2mm thick. The aluminium extrusion of window system to be RAL metalic 8701M.		Note			
Each window assembly must be manufactured in accordance with Part F table 1 ventilation of room direct to external air of the current building regulations and achieve a minimum rapid ventilation area of 1/20th of the floor area of the room, the following criteria should be used for background ventilation: floor area up to 10m2 - 7000mm2, floor area over 10m2 - 700mm2/m2 of floor area.		Note			
All windows and doors to withstand the design pressure calculated in accordance with BS 6375-1 or BS 6399-2. The type and quality of glass shall conform to BS952-1.		Note			
Safety glass to be a minimum 6.4mm laminated to BS EN 12600, safety glass to be provided to windows as indicated on Architects External Window Schedule and Curtain Wall Schedule.		Note			

Description	Qty	Unit	Rate	€	c
EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
The aluminium window and door frame shall be finished with the following: (ii) a powder coating conforming to BS EN 12206-1:2004: 'Paints and Varnishes - coating of aluminium and aluminium alloys for architectural purposes', or (iii) a polyester powder coating interpon d or syntapulvin (not a mixture of both) applied by qualicoat approved applicator using a selected RAL colour finish to BS EN 12206-1 (2004). Prior to the application of the polyester power coating the aluminium profiles are to be pretreated using an 8-stage process of acid etching, chrome or chrome free process to qualicoat approval and water rinsing. A guarantee of 25 years must be applied for in advance of starting the project on site. It is noted that this period of time is subject to the location or proximity of the school to marine environment.		Note			
Gaskets to be extruded EPDM to BS 7412:2022. Weather strips and gaskets to BS 4255 part 1.		Note			
Standard ironmongery to all doors and windows to be agreed with architect prior to manufacture. Fire escape doors to have panic ironmongery where necessary (see fire drawings).		Note			
Threshold piece to all external doors to be supplied and fitted by window contractor.		Note			
Supply and Fit of all aluminium windows are to be in accordance with BS 4873: 2009 (BS EN 14351-1) specification for aluminium alloy windows. The operation and strenght characteristics of opening lighs shall be in accordance with BS 6375 part 2.		Note			
Masterkey to be provided for all internal and external doors		Note			

Description	Qty	Unit	Rate	€	c
EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
The window schedule takes precedence over elevation drawings and should be rear in conjunction with the plans and sections. All dimensions given here are nominal, therefore all dimensions to be checked on site.		Note			
All windows to be submitted as shop drawings and sample for written approval of Architect before manufacture		Note			
It is the responsibility of the window manufacturer to ensure that all elements of the relevant tgd and other guidance notes issued by the DoES are fully complied with. No windows should be manufactured without written approval of window samples as set out in the works requirements.		Note			
The window system must have all the test certificates available for inspection as required in accordance with Architects specification		Note			
All external doors to be prepared for access control as per M&E drawing Nr EL108 and the mechanical & electrical specification		Note			
Door systems to accommodate electric locking, door position contacts and concealed power transfer as required. Power and control cabling by M&E contractor		Note			
The successful contractor will be responsible for the design, supply, fabrication and installation of the doors, all in accordance with best building practice and the system supplier's recommendations.		Note			
The contractor will be responsible for providing all proposals, drawings, samples etc. required to satisfy the requirements of the tender, and to demonstrate that the contractor is competent and able to execute the works in a proper and timely manner.		Note			
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Description	Qty	Unit	Rate	€	c
EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
In advance of any works commencing, the contractor will provide the design team with all test data covering all the proposed systems.		Note			
After award and prior to any work commencing, the contractor will provide the design team with a full set of detailed shop drawings showing all relevant interfaces, system junctions, flashing details and glass types, and indicating all surfaces being painted.		Note			
Prior to practical completion, the contractor will provide the design team with as-built drawings detailing any changes that occurred on site and noting any difficulties that arose, and a maintenance manual providing all relevant information about suppliers and items that need regular cleaning etc.		Note			
The contractor will be required to inform the design team if any of the relevant building work is not in accordance with the overall design and will require the approved design of the glazed structure to be altered.		Note			
The Architect and design team have chosen the following system for use in this project. All alternative systems proposed must meet or exceed the requirements of this specification, and no reduction in the period of the warranty will be accepted		Note			
Evidence of performance: Provide independently certified test evidence that all specified door systems, double and triple glazed units, insulated panels and sealants, along with other variants of components, comply with specified performance requirements.		Note			
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	Description	Qty	Unit	Rate	€	c
	EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
	Site dimensions: Allow for site dimensions to be taken and incorporated into fabrication drawings before starting production of the doors and associated fittings. Sizes shown on drawings are based upon the assumption that main steel frame and blockwork to the building is set out to a high degree of accuracy. To take account of building tolerances it may be necessary to re-size doors and fittings, and it is the Contractor's responsibility to ensure these revisions are agreed with the Architect before shop drawings are produced. The work sizes for overall length and height shall be documented.		Note			
	Site survey: The responsibility of the door contractor, in accordance with BS 8213-4. Terminology to BS EN 12519.		Note			
	Shop drawings: A full set of shop drawings to be issued to the design team for approval, showing all interfacing details with the building structure, which aluminium system is used and where, and that no risk of cold bridging exists. Thermal analysis software such as Flixo or equivalent to be used to confirm the thermal efficiency of all interfacing details, aluminium profiles and glazing materials. All isolators and barriers used to prevent bimetallic corrosion to be called up. All details to be fully labelled, dated and revisions noted. Design team approval to be received prior to works commencing.		Note			
A	The contractor shall note all requirements set out in Section H11 'Curtain Walling' of the Architects specification and Drg Nr 6005 associated with Curtain Walling and include for any costs associated with satisfying same in there tender		Note			

	Description	Qty	Unit	Rate	€	c
	EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
A	Information to be Provided with the Tender: The contractor is required to submit the following curtain walling particulars with their tender: 1.1 Evidence of compliance: All curtain walling to be CE marked to BS EN 13830. Submit declaration of performance (DOP). 1.2 Typical plan, section and elevation drawings at suitable scales. 1.3 Typical detailed drawings at large scales, including profile assemblies. 1.4 Technical information and certification demonstrating compliance with specification of proposed incorporated products and finishes. 1.5 Certification, reports and calculations demonstrating compliance with specification of proposed curtain walling. 1.6 Proposals for connections to and support from the building structure and building components. 1.7 Proposals for amendments to primary supporting structure and for secondary supporting structure additional to that shown on preliminary design drawings. 1.8 Schedule of builder's work, special provisions and special attendance by others. 1.9 Examples of standard documentation from which project quality plan will be prepared. 1.10. Preliminary fabrication and installation method statements and programme. 1.11. Schedule of products and finishes with a design life expectancy less than that specified in clause 440, with proposals for frequencies and methods of replacement. 1.12. Proposals for replacing damaged or failed products. 1.13. Areas of non-compliance with the specification. Test standards: The proposed system must be fully tested to the following standards: BS EN 12152, BS EN 12153, BS EN 12154, BS EN 12155, BS EN 12179, BS EN 13116, DD ENV 13050, BS EN 13830, CWCT Test method for curtain walls Part 8 Sequence B.		Note			

Description	Qty	Unit	Rate	€	c
EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
CURTAIN WALLING SYSTEM: (Contractor's choice. Example approved system meeting aesthetic, technical, functional, sightline and size requirements:), Types 1-6, refer to Curtain Wall Schedule Drg Nr 6005. Supporting Structure: RC concrete sections to engineers details. Manufacturer: APA Systems Ltd, Product reference: Facade TB50SG toggle glazed system or equivalent to Architects approval. Dimensions: Length & Width: Refer to Schedule Drg Nr 6005. Type: Drained, ventilated and pressure equalized using injection moulded gargoyles, all transom / mullion junctions to be formed with an overlap joint, a seal is to be formed between the underside of the transom and the mullion using an extruded and preformed EPDM piece. Internal framing members: Material: Aluminium, Finish: Powder coating to Qualicoat standard, Colour / texture: RAL (Mid grey) colour TBC by Architect, minimum film thickness: 60 micrometres, Powder coating colour: Internal: RAL (Mid grey) colour, TBC by Architect, External: RAL (Mid grey) colour to Architects selection. Glazing retention system: Aluminium extruded toggles at 200mm centres. Glazing: Insulating glass units to acheive average curtain wall U-values less than or equal to 1.4 W/m2K. Panel / facing type: Composite infill panels, external cover plate fixed, External material: Aluminium sheet, External Finish: Powder coating to Qualicoat standard, Internal material: Aluminium sheet, Internal finish: Powder coating to Qualicoat standard, Core Insulation: Phenolic board to relevant U-value and thickness. Accessories: 2mm insulated perimeter flashings, PPC to Qualicoat standard. Window panel inserts. Incorporated components: Opening lights (clause 120) and doors (clause 135) generally as per drawings. include cover slips, dividing strips, inserts, lugs, brackets and expanding foam to fill gaps and all other necessary components to complete installations, all in accordance with manufacturers instructions; all in accordance with Architects drawings and specification section H11, refer to Architect drawing Nr 6005 for further details & requirements					

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	Description	Qty	Unit	Rate	€	c
	EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
	Curtain walling; fixed units; glass Type as detailed					
A	Type 1 - 6140mm wide x height varying from 2410mm high to 3635mm high (CW 001); refer to Architect drawing Nr 6005 for further details & requirements	1	nr			
B	Type 2 - 3456mm wide x 2510mm high (CW 002)	1	nr			
C	Type 3 - 1605mm wide x height varying from 1525mm high to 2455mm high (CW 003); refer to Architect drawing Nr 6005 for further details & requirements	1	nr			
D	Type 4 - 890mm wide x 2510mm high (CW 004)	1	nr			

Description	Qty	Unit	Rate	€	c
EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
CURTAIN WALLING SYSTEM: (Contractor's choice. Example approved system meeting aesthetic, technical, functional, sightline and size requirements:), Types 1-6, refer to Curtain Wall Schedule Drg Nr 6005. Supporting Structure: RC concrete sections to engineers details. Manufacturer: APA Systems Ltd, Product reference: Facade TB50SG toggle glazed system or equivalent to Architects approval. Dimensions: Length & Width: Refer to Schedule Drg Nr 6005. Type: Drained, ventilated and pressure equalized using injection moulded gargoyles, all transom / mullion junctions to be formed with an overlap joint, a seal is to be formed between the underside of the transom and the mullion using an extruded and preformed EPDM piece. Internal framing members: Material: Aluminium, Finish: Powder coating to Qualicoat standard, Colour / texture: RAL (Mid grey) colour TBC by Architect, minimum film thickness: 60 micrometres, Powder coating colour: Internal: RAL (Mid grey) colour, TBC by Architect, External: RAL (Mid grey) colour to Architects selection. Glazing retention system: Aluminium extruded toggles at 200mm centres. Glazing: Insulating glass units to acheive average curtain wall U-values less than or equal to 1.4 W/m2K. Panel / facing type: Composite infill panels, external cover plate fixed, External material: Aluminium sheet, External Finish: Powder coating to Qualicoat standard, Internal material: Aluminium sheet, Internal finish: Powder coating to Qualicoat standard, Core Insulation: Phenolic board to relevant U-value and thickness. Accessories: 2mm insulated perimeter flashings, PPC to Qualicoat standard. Window panel inserts. Incorporated components: Opening lights (clause 120) and doors (clause 135) generally as per drawings. include cover slips, dividing strips, inserts, lugs, brackets and expanding foam to fill gaps and all other necessary components to complete installations, all in accordance with manufacturers instructions; all in accordance with Architects drawings and specification section H11, refer to Architect drawing Nr 6005 for further details & requirements					

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Description	Qty	Unit	Rate	€	c
EL (31) EXTERNAL WALL COMPLETIONS (Cont'd) CONCEALED SASHES: Manufacturer APA System Ltd, Product reference: TB50SGCFV, Material: Aluminium, Finish: Powder coating to Qualicot standard, Colour / texture: RAL (Mid grey) colour, TBC by Architect. Minimum film thickness: 60 micrometers. Infill: Glazed with a solid insulated PPC aluminium panel; polyester powder insulated aluminium spandrel panels etc. PPC aluminium insulated spandrel panels are to be protruding out beyond the line of the glazing and are to manufactured using 3mm aluminium plate formed with welded waterproof corners filled with a suitable thickness of phenolic board insulation. the panel is to protrude out from the external glass and is to line uo with the external line of glazing bead with a gap big enough to allow for installation of the bead (predicted to be 10mm). The panels are to be polyester powder coated in the same factory as the aluminium sections. Glazed in flat aluminium panels are not an acceptable substitute all in accordance with Architects drawings and specification section H11/120, High Level (HLO) & Low level openings (LLO) as per drawing, high level opening sections to have low level manual winders for opening, supplied by window contractor, where opening window inserts are considered to be unreachable, they shall be fitted with with manual teleflex window gearing, Each set of windows shall be controlled by 1 No. Morse Midi operator (Part No. 714600); windows shall be opened using Morse 250mm chain openers (Part No. 213241) with conduit, Teleflex cable and saddle fixings to wall. All components shall be finished in a white polyester powder coated paint finish. Doors and Opening window sections generally as per drawings, refer to Architect drawing Nr 6005 for further details & requirements					

	Description	Qty	Unit	Rate	€	c
	EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
	DOORS: Description: APA within TB50SG curtain walling system, Manufacturer: APA, Product reference: APA ST70HI + highly insulated rebate door door system or equivalent to Architects approval with glass and insulated aluminium panels, Material: Aluminium, Finish: Powder-coating, Colour / texture: RAL (Mid grey) colour to Architects selection. Frame U-value: combined outer frame and sash (Uf) not to exceed 1.4 W/m2K, Thermal performance: whole door U-value (Uw) 1.2W/m2K or better as per specification, include cover slips, dividing strips, inserts, lugs, brackets and expanding foam to fill gaps and all other necessary components to complete installations; Other requirements: to be part of the overall curtain walling warranty, all in accordance with Architects drawings and specification section H11/135, refer to Architect drawing Nr 6005 for further details & requirements					
	Curtain walling; with concealed sashes and doors, glass Type as detailed					
A	Type 5 - 10135mm wide x 3150mm high (CW 005); including 2 Nr single doors (DE 006 & DE 007) 1110mm wide x 2235mm high, door colour to be orange RAL 2011 or similar approved to match spandrel panel; 1 Nr 3050mm high x 395mm wide polyester powder coated insulated aluminium spandral panel, Colour: Orange RAL 2011 or similar approved; 4 Nr Permavent window Ducoplus 60 compact vent or equivalent; Ironmongery Type E4, Glass Type: Safety glass, refer to Architect drawing 6005 for further details & requirements	1	nr			
B	extra over for Door access control system to DE006 & DE007; including all associated wiring / connections, grounds etc as per M&E drawings, and all other ironmongery to form complete set, all installations in accordance with manufacturers instructions & architects drawings and specification; refer to Architect drawings and specification for further details	2	nr			

	Description	Qty	Unit	Rate	€	c
	EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
A	Type 6 - 6085mm wide x 2700mm high (CW 006); including 2 Nr double doors (DE 010 & DE 011) 1050mm wide x 2700mm high, Door DE 010 - Ironmongery Type E3, Door DE 011- Ironmongery Type E7, Glass Type: Safety Glass, refer to Architect drawing 6005 for further details & requirements	1	nr			
B	extra over for Door access control system to DE010 & DE011; including all associated wiring / connections, grounds etc as per M&E drawings, and all other ironmongery to form complete set, all installations in accordance with manufacturers instructions & architects drawings and specification; refer to Architect drawings and specification for further details	2	nr			
	Extra over on the above for					
C	pressed metal flashing piece at floor of curtain walling units; include for fixings and other necessary flashing/ weatherproofing components required for installation; all in accordance with manufacturers instructions & Architects drawings and specifcations	29	m			
	Surface treatments					
D	Manifestation / etching to Curtain walling Type 5 & 6; refer to Architects Drg Nr 6005	100	nr			
	FITTINGS					
	FITTINGS, EQUIPMENT AND FURNITURE					
E	A full mock up for a South facing teaching space with white board and data projector operational must be conducted prior to final selection of the blind material		Item			
F	Clear instructions outlining how blinds should be used in teaching spaces shall be provided in each classroom on a laminated label stating		Item			
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	Description	Qty	Unit	Rate	€	c
	EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
	FITTINGS					
	FITTINGS, EQUIPMENT AND FURNITURE					
A	A full mock up for a south facing teaching space with white board and data projector operational must be conducted prior to final selection of the blind material		Item			
B	Clear instructions outlining how blinds should be used in teaching spaces shall be provided in each classroom on a laminated label stating "Raise blinds when not required in order to reduce lighting energy used"		Item			
C	Manufacturer and installation of blinds shall comply with the requirements of the Irish Standard BS EN 13120 Internal Blinds - performance including safety requirements		Item			
D	Material used in manufacturer should meet the designation "flameproof" when assessed in accordance with BS3120:1959		Item			
E	A test certificate as in Appendix C of "Fire safety of furnishing and fittings in place of assembly" should be supplied for each item specified		Item			

	Description	Qty	Unit	Rate	€	c
	EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
	Blinds; Manufactured & installed to Standard: BS EN 13120; Suitable for windows & door application (with guides on doors); Type: Vertical roller; Material: Flameproof in accordance with BS3120 Dense bracket weave sunscreen material with 5% openness factor; Finish/ Colour: Light Grey/Oatmeal: Operation: Manual, ball chain with break link and child safety clips; Operating effort: Class 1; Testing: Not required; Mechanism endurance class: 3; Accessories/Other requirements: Chain clips; include clear operational instructions in laminated label format for each room; all installations in accordance with Manufacturer's instructions; all in accordance with Architects drawings & specification					
	Furniture, furnishings; window treatment; internal blinds, as External Windows/ Doors Schedules					
A	Type A - 5410mm wide x 2400mm high - (WG 002, WF 004)	2	nr			
B	Type B - 1135mm wide x 2710mm high - (WG 001)	1	nr			
C	Type C - 1135mm wide x 2925mm high - (WG 003)	1	nr			
D	Type D - 5175mm wide x 2925mm high - (WG 004)	1	nr			
E	Type E - 1360mm wide x 2925mm high - (WG 005)	1	nr			
F	Type F - 1135mm wide x 2925mm high - (WG 006, 008, 009, 011)	4	nr			
G	Type G - 1135mm wide x 2925mm high - (WG 007, 010)	2	nr			
H	Type H - 2710mm wide x 2035mm high - (WG 012)	1	nr			
I	Type L - 2925mm wide x 2250mm high - (WG 016)	1	nr			
J	Type M - 910mm wide x 2250mm high - (WG 017)	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
A	Type P - 910mm wide x 2100mm high - (WG 022)	1	nr			
B	Type N - 2260mm wide x 2250mm high - (WG 018, 019, 020, 021)	4	nr			
C	Type R - 2260mm wide x 2400mm high - (WG 027, 029, WF 011)	3	nr			
D	Type S - 910mm wide x 2400mm high - (WG 028)	1	nr			
E	Type T - 6535mm wide x 2400mm high - (WF 001, 002, 003, 020)	4	nr			
F	Type V - 1135mm wide x 1125mm high - (WF 009)	1	nr			
G	Type W - 3160mm wide x 2400mm high - (WF 019)	1	nr			
H	Type Y - 6535mm wide x 2400mm high - (WF 014)	1	nr			
I	Type Z - 1810mm wide x 1810mm high - (WF 018)	1	nr			
J	Type E - 1360mm wide x 2260mm high; single door - (DE 004, 005, 009)	3	nr			

	Description	Qty	Unit	Rate	€	c
	EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
	Black Out Blinds; Manufactured & installed to Standard: BS EN 13120; Suitable for windows & door application (with guides on doors); Type: Vertical roller; Material: Flameproof in accordance with BS3120 Dense bracket weave sunscreen material with 0% openness factor; Finish/Colour: Light Grey/ Oatmeal: Operation: Manual, ball chain with break link and child safety clips; Operating effort: Class 1; Testing: Not required; Mechanism endurance class: 3; Accessories/Other requirements: Chain clips; include clear operational instructions in laminated label format for each room; all installations in accordance with Manufacturer's instructions; all in accordance with Architects drawings & specification					
	Furniture, furnishings; window treatment; internal blinds, as External Windows/ Doors Schedules					
A	Type R - 2260mm wide x 2400mm high - (WF 013)	1	nr			
B	Type S - 910mm wide x 2400mm high - (WF 012)	1	nr			
C	Type Y - 6535mm wide x 2400mm high - (WF 014)	1	nr			
	Guardrail; 50mm dia galvanised and painted mild steel frame bolted to external paving with approved fixings. Paint colour yellow. Graepel panel; pattern samples to be provided to architect for selection. Colour RAL 7035 Grey; all installations in accordance with Manufacturer's instructions; all in accordance with Architects drawings & specification					
	Rail or protective guards					
D	Type 2 - 1000mm wide x 900mm high	4	nr			
E	Type 3 - 850mm wide x 900mm high	4	nr			
F	Type 4 - 700mm wide x 900mm high	3	nr			
G	Type 5 - 400mm wide x 900mm high	5	nr			
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	Description	Qty	Unit	Rate	€	c
	EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
	PAINTING AND DECORATING					
	PAINTING					
	Sand down, dust off and prepare MDF surfaces, Degrease and provide key; Dulux primer and undercoat or equivalent for MDF; Initial coats: as recommended by Manufacturer; Number of coats: 2 priming undercoats; Undercoats: As recommended by manufacturer; Number of coats: 2 coats; Finishing coats: Dulux trade eggshell or equivalent: Number of coats: 2 coats; all installations in accordance with manufacturers instructions & Architects drawings and specifications					
	Second fixings; window boards/liners					
A	girth not exceeding 300mm	558	m			
B	girth exceeding 300mm	30	m2			

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Description	Qty	Unit	Rate	€	c
EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
COLLECTION					
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Description	Qty	Unit	Rate	€	c
EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
COLLECTION					
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Description	Qty	Unit	Rate	€	c
EL (31) EXTERNAL WALL COMPLETIONS (Cont'd)					
COLLECTION					
Page No. BQ/322					
EL (31) EXTERNAL WALL COMPLETIONS **Carried to Summary**					

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS					
	INFORMATION					
	1. The Contractor is advised that the Architect's, Structural and Services Engineer's Drawings and Specifications (Works Requirements) are all complimentary to each other and should be read in conjuntion with one another		Note			
	2. The Contractor shall refer to the Drawings and Specifications included in the Works Requirements, Volume A		Note			
	WOODWORK					
	STRUCTURAL AND FIRST FIXING					
	Softwood grounds; painted fixed to blockwork / Masonary background with approved fixings; sealing as detailed; all in accordance with Architect's drawings and specifications; refer to Architect drawings 20057-OPP-01-ZZ-DR-A-4110 for further details and requirements					
	First Fixings; grounds					
A	20mm x 10mm; (MDF Liner)	861	m			
B	20mm x 10mm; (MDF Liner); in existing building	64	m			
C	20mm x 10mm; (Door / screen frame)	431	m			
D	20mm x 10mm; (Door / screen frame); in existing building	32	m			
	BOARDING AND SECOND FIXINGS					
	MDF Liner board; 15mm thick on 10mm thick painted softwood timber grounds; fix to softwood grounds (measured elsewhere) with lost head nails at 600mm centres; wood & insulation background; mastic sealing as detailed; all in accordance with Architect's drawings and specifications; refer to Architect drawings 20057-OPP-01-ZZ-DR-A-4110 for further details and requirements					
	Second fixings; Liner					

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
A	115mm x 15mm	431	m			
B	115mm x 15mm; in existing building	32	m			
	IRONMONGERY, ACCESSORIES AND SUNDRIES					
	Insulation					
C	10mm foam packer for fire / acoustic performance behind MDF Liner / Door / Screen frames for fitting tolerances; all in accordance with Architect's drawings and specifications; refer to Architect drawings 20057-OPP-01-ZZ-DR-A-4110 for further details and requirements	44	m2			
	COMPOSITE ITEMS					
	Preambles					
D	Door leaves together with associated frames are collectively described as doorsets.		note			
E	Screens include fanlights, sidelights, borrowed lights and the like. Doorsets associated with screens are deemed included in the screens.		note			
F	Glazing is deemed included as part of the overall screen/doorset system and shall comply with BS6262 & BS6201. Factory fitted safety glass shall be used throughout and clear insulated fire resistant glass used where required. Glass manifestation in compliance with TGD Part M is deemed included where required. The specialist contractor will be responsible for designing glass and glazing in accordance with Architect's drawings and specifications. Due consideration shall be given to glass thickness in respect to strength and location. The specialist contractor is to review current legislation/standards and increase glass thickness as required. This is all to be included within the cost submitted at tender stage.		note			

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
A	Doors to have a minimum guaranteed lifespan of 15 years. Due to wear and tear of school activites it will be necessary in all instances internally to provide solid core doors.		note			
B	Double door sets: the minimum of one leaf shall be at least 800mm		note			
C	All fire door sets (door and frame) to comply with BS476 and require certificates from manufacturer stating the name of the school and i.d. number of the relevant doors e.g. DG-001, the BS number and test type (fire resisting doorsets acheiving 30 minutes and 60 minutes fire resistance (integrity) in accordance with BS476:pt22, doors fitted with smoke seals to acheive a leakage rate not exceeding 3m3/m/hour (head & jambs) when tested at 25pa to BS476: sect 31.1.		note			
D	All internal glazing to be minimum laminated glass unless stated otherwise.		note			
E	Refer to specification section for glass types, clear laminated safety glass to non-fire rated doors, non-wired fire-resistant safety glass to fire rated doors. Refer to Fire safety drawings for glazing requiring integrity and insulation fire resistance. Glazing to doors to comply with BS EN 12600 Class 3 or better. Note Georgian wire glass for internal doors and screens is not permitted anywhere.		note			
F	All doors must be provided with an individual keyed mortice dead lock (min five lever) and a master keyed facility must also be provided for all doors.		note			
G	Frame, leaf and edge will be contrasting colours to comply with TGD part 2010		note			
H	All ironmongery shall be designed for heavy duty use, appropriate to the level and frequency of use. Door furniture shall be easily gripped and operated, clearly visible and contrasted against its background.		note			

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
A	Masterkey to be provided for all internal and external doors		note			
B	Sample boards: Before placing orders with supplier for Ironmongery the contractor will be required to provide a sample board, containing labelled samples of ironmongery and showing method of fixing. Conformity; Retain board on site in an approved location for the duration of the contract. Ensure conformity of ironmongery as delivered with labelled samples.		note			
C	Internal door thresholds shall be flush and absolutely level to facilitate wheelchair movement		note			
D	Automatic internal doors that swing towards the user shall not be considered for use in the design unless they are guaranteed not to be able to close on a person. Pupils in wheelchairs may find difficulties with self closing doors that open towards them and these should not be used.		note			
E	Internal doors and frames suffer damage through wheelchairs and equipment, as a result, kick and push plates shall be fitted to minimise the amount of damage anticipated through this activity.		note			
F	All internal doors shall be constructed of materials sufficiently robust to withstand heavy usage without structural damage or noticeable surface marking. Due to wear and tear of school activities it will be necessary in all instances to provide solid core doors.		note			
G	Internal door fittings and furniture shall be of robust constructio. Doors must provide adequate sound reduction for the intended usage.		note			
H	All internal doors shall incorporate an appropriate level of security		note			

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
A	The Contractor shall note that all fire doors fire rating shall be based on certified DOORSETS rather than just fire rated doors, which are then fitted to fabricated frame.		note			
B	All fire rated doorsets and screens: Evidence of fire performance: Provide certified evidence, in the form of a product conformity certificate, directly relevant fire test report or engineering assessment, that each door/doorset/ assembly supplied will comply with the specified requirements for fire resistance if tested to BS476-22, BS EN 1634-1 or BS EN 1634-3. Such certification must cover door and frame materials, glass and glazing materials and their installation, essential and ancillary ironmongery, hinges and seals, Fire doors shall carry Trada fire door codes to required ratings. All fire rated doorsets/screens are to include intumescent and smoke seal strips set in rebate.		note			
C	Non fire resisting pedestrian doors / door assemblies / doorsets: Provide certified evidence, in the form of a product conformity certificate or engineering assessment, that each door/ doorset/ assembly supplied will comply with the specified requirements to BS EN 14351-1. Such certification must cover door and frame materials, glass and glazing materials and their installation, essential and ancillary ironmongery, hinges and seals		note			

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
A	Acoustic doorsets/screens shall comply with BS93 and are deemed to include perimeter compression/wipe seals and threshold seals to doors, acoustic seals to beading around door vision panels, and acoustic seals to screen glazing as required. The following products meet the required criteria: Head and Jamb: surface 37DBRW IS1212 (RP120) Lorient UK Batwing Acoustic and smoke perimeter seal or equivalent, Head and Jamb: surface 31DBRW IA1212 (RP120) Custom audio designs self adhesive double winged acoustic seal or equivalent all in accordance with Architects drawing and specification.		note			
B	No doors are to have louvres inserted into them whether fire rated or not		note			
C	All electronic hold open and hold close devices fusibly linked to the fire alarm		note			
D	All screen to have an acoustic rating of 40Rw(db), except for music room which is to be a minimum of 45 Rw(db)		note			
E	Doorsets/screens are deemed to include all necessary components and ancillaries, including frames, rails, plinths, door saddles, slips, stops, beads, cover pieces, packers, steel stiffeners, compressible fillers, acoustic seals, intumescent strips and smoke seals necessary to achieve required performance ratings.		note			
F	Doorsets/screens are deemed to include frame anchors and associated mortices, holes, countersinking and flush pelleting.		note			
G	Doorsets/screens are deemed to be factory pre-finished by unit manufacturer. Main Contractor will be responsible for any touching up on site as may be required to restore paintwork/veneering to pre-finish quality.		note			
H	Doorsets/screens are measured to overall structural opening dimensions.		note			

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
A	Doorsets/screens are to be finished as delivered; including for any extra finishing/tidying required on site		note			
	Solid Core flush doors (Non fire rated): Solid core painted flush door with European Redwood frame; Manufacturer: submit proposals, Door Leaf: Facings: interior grade plywood with painted finish; Core: 44mm thick solid core to manufacturers choice; 20mm concealed hardwood lippings all round; Frames & Architraves: Wood Species: European redwood: Appearance class to BS EN 942:J20; finished as delievered: Prepared & primed, as section M60; Preservative Treatment: Organic solvent as section Z12 and WPA Commodity Specification C5: Desired service life: 30 years; Moisture Content on delivery: 12-16%; Ironmongery: as per ironmongery schedule; Permieter seals: Fire & smoke seals as per schedule; Fixing: Frame fixings with colour matching cramps supplied by doorset manufacturer; Other requirements: Acoustic drop-down seals as per schedule, Shadow gap detail to frames as per Architects drawing Nr 4110; all installations in accordance with manufacturer's instructions; all installations in accordance with Architects drawings & specifications; refer to Architect Drawing Nr. 6003 for further details and requirements					
	Doors with associated frameset					
B	Door Type 'B', Single door; frame thickness (mm): 100 nom; 910mm wide x 2260mm high; Door fire rating: non fire rated; undercut by 10mm; door ref. DG002, DG011, DG016	3	nr			
C	Door Type 'B', Single door; frame thickness (mm): 120 nom; 910mm wide x 2260mm high; Door fire rating: non fire rated; undercut by 10mm; door ref. DF004, DF005, DF006, DF007, DF023	5	nr			

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
A	Door Type 'C', Single door; frame thickness (mm): 100 nom; 1135mm wide x 2260mm high; Door fire rating: non fire rated; door ref. DG03, DG012, DG017	3	nr			
B	Door Type 'C', Single door; frame thickness (mm): 120 nom; 1135mm wide x 2260mm high; Door fire rating: non fire rated; door ref. DF003	1	nr			
C	Door Type 'F', Single door; frame thickness (mm): 100 nom; 1135mm wide x 2260mm high; Door fire rating: non fire rated; door ref. DG007	1	nr			
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	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
	Solid core flush doors (fire rated): Fire resisting and smoke control; Solid core painted flush door with European Redwood frame or as per Fire test data; Fire resistance rating: to BS 476-22, 30 or 60 minures integrity, Sound insulation rating: 30dBA except Music room and office to be 35dBA, Door Leaf: Facings: crown cut 5mm veneer with painted finish; Core: 54mm thick solid core to manufacturers choice; 20mm concealed hardwood lippings all round; Finish as delivered: Prepared and primed, as section M60, Frames & Architraves: Wood Species: European redwood or as per Fire Test Data: Appearance class to BS EN 942:J20; finished as delievered: Prepared & primed, as section M60; Frame to Wall detail: Shadow gap detail as per Architects drawing 4110, (measured elsewhere) Preservative Treatment: Organic solvent as section Z12 and WPA Commodity Specification C5: Desired service life: 30 years; Moisture Content on delivery: 12-16%; Ironmongery: as per ironmongery schedule; Permieter seals: Fire & smoke seals as per schedule; Fixing: Frame fixings with colour matching cramps supplied by doorset manufacturer; Other requirements: Acoustic drop-down seals as per schedule, Shadow gap detail to frames as per Architects drawing Nr. 4110; all installations in accordance with manufacturer's instructions; all installations in accordance with Architects drawings & specifications; refer to Architect Drawing Nr. 6003 for further details and requirements					
	Doors with associated frameset					
A	Door Type 'B', Single door; frame thickness (mm): 100 nom; 910mm wide x 2260mm high; Door fire rating: FD60's fire rated; undercut by 10mm; door ref. DF021	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
	Solid core flush doors (fire rated): Fire resisting and smoke control; Solid core painted flush door with European Redwood frame or as per Fire test data; Fire resistance rating: to BS 476-22, 30 or 60 minures integrity, Sound insulation rating: 30dBA except Music room and office to be 35dBA, Door Leaf: Facings: crown cut 5mm veneer with painted finish; Core: 44mm thick solid core to manufacturers choice; 20mm concealed hardwood lippings all round; Finish as delivered: Prepared and primed, as section M60, Frames & Architraves: Wood Species: European redwood or as per Fire Test Data: Appearance class to BS EN 942:J20; finished as delievered: Prepared & primed, as section M60; Frame to Wall detail: Shadow gap detail as per Architects drawing 4110, (measured elsewhere) Preservative Treatment: Organic solvent as section Z12 and WPA Commodity Specification C5: Desired service life: 30 years; Moisture Content on delivery: 12-16%; Ironmongery: as per ironmongery schedule; Permieter seals: Fire & smoke seals as per schedule; Fixing: Frame fixings with colour matching cramps supplied by doorset manufacturer; Other requirements: Acoustic drop-down seals as per schedule, Shadow gap detail to frames as per Architects drawing Nr 4110; all installations in accordance with manufacturer's instructions; all installations in accordance with Architects drawings & specifications; refer to Architect Drawing Nr. 6003 for further details and requirements					
	Doors with associated frameset					
A	Door Type 'C', Single door; frame thickness (mm): 100 nom; 1135mm wide x 2260mm high; Door fire rating: FD30's fire rated; door ref. DG006, DG018, DF008	3	nr			

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
A	Door Type 'H', Door and 1/2; frame thickness (mm): 100 nom; 1360mm wide x 2260mm high; (1 Nr 1000mm wide leaf, 1 Nr 810mm wide leaf); Door fire rating: FD30's fire rated; door ref. DG021, DF012	2	nr			
B	Door Type 'L', Double door; frame thickness (mm): 100 nom; 1810mm wide x 2260mm high; (1 Nr 1000mm wide leaf, 1 Nr 810mm wide leaf); Door fire rating: FD30's fire rated; door ref. DG020	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
	Solid core flush doors (fire rated): Fire resisting and smoke control; Solid core painted flush door with European Redwood frame or as per Fire test data; Fire resistance rating: to BS 476-22, 30 or 60 minures integrity, Sound insulation rating: 30dBA except Music room and office to be 35dBA, Door Leaf: Facings: crown cut 5mm veneer with painted finish; Core: 54mm thick solid core to manufacturers choice; 20mm concealed hardwood lippings all round; Finish as delivered: Prepared and primed, as section M60, Frames & Architraves: Wood Species: European redwood or as per Fire Test Data: Appearance class to BS EN 942:J20; finished as delievered: Prepared & primed, as section M60; Frame to Wall detail: Shadow gap detail as per Architects drawing 4110, (measured elsewhere) Preservative Treatment: Organic solvent as section Z12 and WPA Commodity Specification C5: Desired service life: 30 years; Moisture Content on delivery: 12-16%; Ironmongery: as per ironmongery schedule; Permieter seals: Fire & smoke seals as per schedule; Fixing: Frame fixings with colour matching cramps supplied by doorset manufacturer; Other requirements: Acoustic drop-down seals as per schedule, Shadow gap detail to frames as per Architects drawing Nr 4110; all installations in accordance with manufacturer's instructions; all installations in accordance with Architects drawings & specifications; refer to Architect Drawing Nr. 6003 for further details and requirements					
	Doors with associated frameset					
A	Door Type 'C', Single door; frame thickness (mm): 100 nom; 1135mm wide x 2260mm high; Door fire rating: FD60's fire rated; door ref. DF009	1	nr			

Description	Qty	Unit	Rate	€	c
EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
Glazed Solid Core flush doors (Non fire rated): Solid core painted flush door with European Redwood frame; Manufacturer: submit proposals, Door Leaf: Facings: interior grade plywood with painted finish; Core: 44mm thick solid core to manufacturers choice; 20mm concealed hardwood lippings all round; Frames & Architraves: Wood Species: European redwood: Appearance class to BS EN 942:J20; finished as delievered: Prepared & primed, as section M60; Preservative Treatment: Organic solvent as section Z12 and WPA Commodity Specification C5: Desired service life: 30 years; Glazing Pane material: Non-fire rated safety glass - Circa 12 - 15mm thick PVB toughened and laminated glass safety glass to BS6262, Surround / Bead: Softwood frame and hardwood beads, Bead location: Inside, Bead fixing: Countersunk brass screws, Glazing system: Extruded gaskets supplied with frame, Moisture Content on delivery: 12-16%; Ironmongery: as per ironmongery schedule; Permieter seals: Fire & smoke seals as per schedule; Fixing: Frame fixings with colour matching cramps supplied by doorset manufacturer; Other requirements: Acoustic drop-down seals as per schedule, Shadow gap detail to frames as per Architects drawing Nr 4110; all installations in accordance with manufacturer's instructions; all installations in accordance with Architects drawings & specifications; refer to Architect Drawing Nr. 6003 for further details and requirements					
Doors with associated frameset					

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
A	Door Type 'A', Glazed Double doors with overhead fanlight; frame thickness (mm): 100 nom; 1810mm wide x 2710mm high, (1 Nr 1100mm wide leaf, 1 Nr 710mm wide leaf), 2 Nr. door glazing panels, 1 Nr. nominal 750mm wide x 1630mm high and 1 Nr. nominal 360mm wide x 1630mm high, 1 Nr. glazed overhead panel, nominal 1710mm wide x 580mm high, Door glass type: toughened and laminated safety glass, Door fire rating: non fire rated; Glazing manifestations; 14 Nr 110mm high x 56mm wide as per drawing (measured elsewhere), door ref. DG 001	1	nr			
	Extra over for					
B	Electronic Hold Closed (EHC) device controlled by fob/admin office switch; to be fusibly linked back to fire alarm system to release on activation; refer to Drg Nr. 6003 for further details & requirements	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
	Glazed Solid Core flush doors (Non fire rated): Solid core painted flush door with European Redwood frame; Manufacturer: submit proposals, Door Leaf: Facings: interior grade plywood with painted finish; Core: 44mm thick solid core to manufacturers choice; 20mm concealed hardwood lippings all round; Frames & Architraves: Wood Species: European redwood: Appearance class to BS EN 942:J20; finished as delievered: Prepared & primed, as section M60; Preservative Treatment: Organic solvent as section Z12 and WPA Commodity Specification C5: Desired service life: 30 years; Glazing Pane material: non fire rated safety glass - Cira 12 -15mm thick PVB Laminated glass safety glass to BS 6262 and fire test data, Surround / Bead: Softwood frame and hardwood beads, Bead location: Inside, Bead fixing: Countersunk brass screws, Glazing system: Extruded gaskets supplied with frame, Moisture Content on delivery: 12-16%; Ironmongery: as per ironmongery schedule; Permieter seals: Fire & smoke seals as per schedule; Fixing: Frame fixings with colour matching cramps supplied by doorset manufacturer; Other requirements: Acoustic drop-down seals as per schedule, Shadow gap detail to frames as per Architects drawing Nr 4110; all installations in accordance with manufacturer's instructions; all installations in accordance with Architects drawings & specifications; refer to Architect Drawing Nr. 6003 for further details and requirements					
	Doors with associated frameset					
A	Door Type 'D', Glazed Single door with overhead fanlight; frame thickness (mm): 100 nom; 1135mm wide x 2710mm high, 1 Nr. door glazing panel, nominal 200mm wide x 1710mm high, 1 Nr. glazed overhead panel, nominal 1035mm wide x 400mm high, Door glass type: laminated safety glass, Door fire rating: non fire rated; door ref. DG004, DG005, DG008, DG009, DG022, DF002, DF013, DF014, DF015, DF017	10	nr			

Description	Qty	Unit	Rate	€	c
EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					

Description	Qty	Unit	Rate	€	c
EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
Glazed Solid core flush doors (fire rated): Fire resisting and smoke control; Solid core painted flush door with European Redwood frame or as per Fire test data; Fire resistance rating: to BS 476-22, 30 or 60 minures integrity, Sound insulation rating: 30dBA except Music room and office to be 35dBA, Door Leaf: Facings: crown cut 5mm veneer with painted finish; Core: 44mm thick solid core to manufacturers choice; 20mm concealed hardwood lippings all round; Finish as delivered: Prepared and primed, as section M60, Frames & Architraves: Wood Species: European redwood or as per Fire Test Data: Appearance class to BS EN 942:J20; finished as delievered: Prepared & primed, as section M60; Frame to Wall detail: Shadow gap detail as per Architects drawing 4110, (measured elsewhere) Preservative Treatment: Organic solvent as section Z12 and WPA Commodity Specification C5: Desired service life: 30 years; Glazing Pane material: 30 min integrity and 30 min insulation glazed circa 15mm - 25mm PVB toughened and laminated glass to BS6262 impact loadings and fire data , Surround / Bead: hardwood beads, Bead location: Inside, Bead fixing: Countersunk brass screws, Glazing system: Tape: Pre-formed butyl strip, Bead bedding sealant; One-part, fire rated intumescent acrylic sealant, Capping Sealant: One-part, fire rated intumescemt acrylic sealant, Moisture Content on delivery: 12-16%; Ironmongery: as per ironmongery schedule; Permieter seals: Fire & smoke seals as per schedule; Fixing: Frame fixings with colour matching cramps supplied by doorset manufacturer; Other requirements: Acoustic drop-down seals as per schedule, Shadow gap detail to frames as per Architects drawing Nr. 4110; all installations in accordance with manufacturer's instructions; all installations in accordance with Architects drawings & specifications; refer to Architect Drawing Nr. 6003 for further details and requirements					
Doors with associated frameset					

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
A	Door Type 'D', Glazed Single door with overhead fanlight; frame thickness (mm): 100 nom; 1135mm wide x 2710mm high, 1 Nr. door glazing panel, nominal 200mm wide x 1710mm high, 1 Nr. glazed overhead panel, nominal 1035mm wide x 400mm high, Door glass type: 30/30 (integrity / insulation), Door fire rating: FD30's fire rated; door ref. DG010	1	nr			

To Collection €

Description	Qty	Unit	Rate	€	c
EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
Glazed Solid core flush doors (fire rated): Fire resisting and smoke control; Solid core painted flush door with European Redwood frame or as per Fire test data; Fire resistance rating: to BS 476-22, 30 or 60 minures integrity, Sound insulation rating: 30dBA except Music room and office to be 35dBA, Door Leaf: Facings: crown cut 5mm veneer with painted finish; Core: 44mm thick solid core to manufacturers choice; 20mm concealed hardwood lippings all round; Finish as delivered: Prepared and primed, as section M60, Frames & Architraves: Wood Species: European redwood or as per Fire Test Data: Appearance class to BS EN 942:J20; finished as delievered: Prepared & primed, as section M60; Frame to Wall detail: Shadow gap detail as per Architects drawing 4110, (measured elsewhere) Preservative Treatment: Organic solvent as section Z12 and WPA Commodity Specification C5: Desired service life: 30 years; Glazing Pane material: 30 min integrity glazed circa 15mm - 25mm PVB laminated glass to BS6262 impact loadings and fire test date , Surround / Bead: hardwood beads, Bead location: Inside, Bead fixing: Countersunk brass screws, Glazing system: Tape: Pre-formed butyl strip, Bead bedding sealant; One-part, fire rated intumescent acrylic sealant, Capping Sealant: One-part, fire rated intumescemt acrylic sealant, Moisture Content on delivery: 12-16%; Ironmongery: as per ironmongery schedule; Permieter seals: Fire & smoke seals as per schedule; Fixing: Frame fixings with colour matching cramps supplied by doorset manufacturer; Other requirements: Acoustic drop-down seals as per schedule, Shadow gap detail to frames as per Architects drawing Nr. 4110; all installations in accordance with manufacturer's instructions; all installations in accordance with Architects drawings & specifications; refer to Architect Drawing Nr. 6003 for further details and requirements					
Doors with associated frameset					

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
A	Door Type 'D', Glazed Single door with overhead fanlight; frame thickness (mm): 100 nom; 1135mm wide x 2710mm high, 1 Nr. door glazing panel, nominal 200mm wide x 1710mm high, 1 Nr. glazed overhead panel, nominal 1035mm wide x 400mm high, Door glass type: 30/0 (integrity), Door fire rating: FD30's fire rated; door ref. DG019	1	nr			
B	Door Type 'E', Glazed Double doors; frame thickness (mm): 100 nom; 1810mm wide x 2710mm high, (1 Nr 1000mm wide leaf, 1 Nr 810mm wide leaf), 2 Nr. door glazing panels nominal 200mm wide x 2160mm high, Door glass type: 30/0, (integrity), Door fire rating: FD30's fire rated; door ref. DG014	1	nr			
	Extra over for					
C	Electronic Hold Open (EHO) device fusibly linked back to fire alarm system to release on activation; refer to Drg Nr. 6003 for further details & requirements	1	nr			
D	Door Type 'J', Glazed Double doors; frame thickness (mm): 100 nom; 2260mm wide x 2710mm high, (1 Nr 1030mm wide leaf, 1 Nr 1230mm wide leaf), 2 Nr. door glazing panels nominal 200mm wide x 2160mm high, Door glass type: 30/0, (integrity), Door fire rating: FD30's fire rated; door ref. DF016	1	nr			
	Extra over for					
E	Electronic Hold Open (EHO) device fusibly linked back to fire alarm system to release on activation; refer to Drg Nr. 6003 for further details & requirements	1	nr			
F	Door Type 'K', Glazed Double doors; frame thickness (mm): 100 nom; 2035mm wide x 2710mm high, (1 Nr 1000mm wide leaf, 1 Nr 1035mm wide leaf), 2 Nr. door glazing panels nominal 200mm wide x 2160mm high, Door glass type: 30/0, (integrity), Door fire rating: FD30's fire rated; door ref. DF001	1	nr			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
	Extra over for					
A	Electronic Hold Open (EHO) device fusibly linked back to fire alarm system to release on activation; refer to Drg Nr. 6003 for further details & requirements	1	nr			
				To Collection €		

Description	Qty	Unit	Rate	€	c
EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
Glazed Solid core flush doors (fire rated): Fire resisting and smoke control; Solid core painted flush door with European Redwood frame or as per Fire test data; Fire resistance rating: to BS 476-22, 30 or 60 minures integrity, Sound insulation rating: 30dBA except Music room and office to be 35dBA, Door Leaf: Facings: crown cut 5mm veneer with painted finish; Core: 54mm thick solid core to manufacturers choice; 20mm concealed hardwood lippings all round; Finish as delivered: Prepared and primed, as section M60, Frames & Architraves: Wood Species: European redwood or as per Fire Test Data: Appearance class to BS EN 942:J20; finished as delievered: Prepared & primed, as section M60; Frame to Wall detail: Shadow gap detail as per Architects drawing 4110, (measured elsewhere) Preservative Treatment: Organic solvent as section Z12 and WPA Commodity Specification C5: Desired service life: 30 years; Glazing Pane material: 60 min integrity glazed circa 15 - 25mm PVB laminated glass to BS6262 impact loadings and fire test data, Surround / Bead: hardwood beads, Bead location: Inside, Bead fixing: Countersunk brass screws, Glazing system: Tape: Pre-formed butyl strip, Bead bedding sealant; One-part, fire rated intumescent acrylic sealant, Capping Sealant: One-part, fire rated intumescemt acrylic sealant, Moisture Content on delivery: 12-16%; Ironmongery: as per ironmongery schedule; Permieter seals: Fire & smoke seals as per schedule; Fixing: Frame fixings with colour matching cramps supplied by doorset manufacturer; Other requirements: Acoustic drop-down seals as per schedule, Shadow gap detail to frames as per Architects drawing Nr. 4110; all installations in accordance with manufacturer's instructions; all installations in accordance with Architects drawings & specifications; refer to Architect Drawing Nr. 6003 for further details and requirements					
Doors with associated frameset					
			To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
A	Door Type 'D', Glazed Single door with overhead fanlight; frame thickness (mm): 100 nom; 1135mm wide x 2710mm high, 1 Nr. door glazing panel, nominal 200mm wide x 1710mm high, 1 Nr. glazed overhead panel, nominal 1035mm wide x 400mm high, Door glass type: 60/0, (integrity), Door fire rating: FD60's fire rated; door ref. DG015, DF018, DF019, DF020	4	nr			
B	Door Type 'D', Glazed Single door with overhead fanlight; frame thickness (mm): 120 nom; 1135mm wide x 2710mm high, 1 Nr. door glazing panel, nominal 200mm wide x 1710mm high, 1 Nr. glazed overhead panel, nominal 1035mm wide x 400mm high, Door glass type: 60/0, (integrity), Door fire rating: FD60's fire rated; door ref. DF022	1	nr			

Description	Qty	Unit	Rate	€	c
EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
Glazed Solid core flush doors (fire rated): Fire resisting and smoke control; Solid core painted flush door with European Redwood frame or as per Fire test data; Fire resistance rating: to BS 476-22, 30 or 60 minures integrity, Sound insulation rating: 30dBA except Music room and office to be 35dBA, Door Leaf: Facings: crown cut 5mm veneer with painted finish; Core: 54mm thick solid core to manufacturers choice; 20mm concealed hardwood lippings all round; Finish as delivered: Prepared and primed, as section M60, Frames & Architraves: Wood Species: European redwood or as per Fire Test Data: Appearance class to BS EN 942:J20; finished as delievered: Prepared & primed, as section M60; Frame to Wall detail: Shadow gap detail as per Architects drawing 4110, (measured elsewhere) Preservative Treatment: Organic solvent as section Z12 and WPA Commodity Specification C5: Desired service life: 30 years; Glazing Pane material: 60 min integrity and 60 min insulation glazed circa 15 - 25mm PVB toughened and laminated glass to BS6262 impact loadings and fire test data, Surround / Bead: hardwood beads, Bead location: Inside, Bead fixing: Countersunk brass screws, Glazing system: Tape: Pre-formed butyl strip, Bead bedding sealant; One-part, fire rated intumescent acrylic sealant, Capping Sealant: One-part, fire rated intumescemt acrylic sealant, Moisture Content on delivery: 12-16%; Ironmongery: as per ironmongery schedule; Permieter seals: Fire & smoke seals as per schedule; Fixing: Frame fixings with colour matching cramps supplied by doorset manufacturer; Other requirements: Acoustic drop-down seals as per schedule, Shadow gap detail to frames as per Architects drawing Nr. 4110; all installations in accordance with manufacturer's instructions; all installations in accordance with Architects drawings & specifications; refer to Architect Drawing Nr. 6003 for further details and requirements					
Doors with associated frameset					
			To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
A	Door Type 'D', Glazed Single door with overhead fanlight; frame thickness (mm): 100 nom; 1135mm wide x 2710mm high, 1 Nr. door glazing panel, nominal 200mm wide x 1710mm high, 1 Nr. glazed overhead panel, nominal 1035mm wide x 400mm high, Door glass type: 60/60, (integrity / insulation), Door fire rating: FD60's fire rated; door ref. DF010	1	nr			
B	Door Type 'J', Glazed Double doors; frame thickness (mm): 100 nom; 2260mm wide x 2710mm high, (1 Nr 1030mm wide leaf, 1 Nr 1230mm wide leaf), 2 Nr. door glazing panels nominal 200mm wide x 2160mm high, Door glass type: 60/60, (integrity / insulation), Door fire rating: FD60's fire rated; door ref. DF011	1	nr			
	Extra over for					
C	Electronic Hold Open (EHO) device linked back to fire alarm system to release on activation; refer to drg 6003 for further details & requirements	1	nr			
D	Door Type 'K', Glazed Double doors; frame thickness (mm): 100 nom; 2035mm wide x 2710mm high, (1 Nr 1000mm wide leaf, 1 Nr 1035mm wide leaf), 2 Nr. door glazing panels nominal 200mm wide x 2160mm high, Door glass type: 60/60, (integrity / insulation), Door fire rating: FD60's fire rated; door ref. DG013	1	nr			
	Extra over for					
E	Electronic Hold Open (EHO) device fusibly linked back to fire alarm system to release on activation; refer to Drg Nr. 6003 for further details & requirements	1	nr			
F	Electronic Hold Closed (EHC) device controlled by fob/admin office switch; to be fusibly linked back to fire alarm system to release on activation; refer to drg 6003 for further details & requirements	1	nr			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
A	Door Type 'M', Glazed Double doors with overhead fanlight; frame thickness (mm): 100 nom; 2400mm wide x 2575mm high, (2 Nr 1100mm wide leafs), 2 Nr. door glazing panels nominal 850mm wide x 1643mm high, 1 Nr. glazed overhead panel, nominal 2300mm wide x 445mm high, Door glass type: 60/60, (integrity / insulation), Door fire rating: FD60's fire rated; Glazing manifestations; 20 Nr 110mm high x 56mm wide as per drawing (measured elsewhere), door ref. DG 024, DG025, DG026, DG027; in existing building	4	nr			
	Extra over for					
B	Electronic Hold Open (EHO) device fusibly linked back to fire alarm system to release on activation; refer to Drg Nr. 6003 for further details & requirements	4	nr			
	Glazed European Redwood softwood frame screen; (Non-Fire Rated); glazing as indicated on schedule; surround/bead; hardwood oak glazing bead throughout; all glazing to be clear safety glass toughened and laminated; Screen Pane Material: non fire rated safety glass - circa 12 - 15mm thick PVB toughened and laminated glass safety glass to BS6262; Preparation: Paint Primer; Bead Location: inside; Bead fixing; Countersunk brass screws; Glazing system: Tape: extruded gaskets supplied with frame; Glazing installation: Located centrally in surround using setting and location blocks; Gaskets and beads: Installed as recommended by frame manufacturer; Gasket fit at corners: Tight, without gaps; all installations in accordance with Manufacturer's instructions; all in accordance with Architects drawings and specifcations; refer to Architect drawing Nr. 6004 for further details and requirements					
	Screens					

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
A	Type 'A' - W1800mm x H2710mm; 40 Rw(db); Screen fire rating: non fire rated, Screen Glass Type: Toughened and laminated; Glazing manifestations; 22 Nr 110mm high x 56mm wide as per drawing (measured elsewhere), Screen ref. SG003, SG004, SG005	3	nr			
B	Type 'B' - W1360mm x H2710mm; 40 Rw(db); Screen fire rating: non fire rated, Screen Glass Type: Toughened and laminated; Glazing manifestations; 16 Nr 110mm high x 56mm wide as per drawing (measured elsewhere), Screen ref. SF002	1	nr			
C	Type 'C' - W1125mm x H2710mm; 40 Rw(db); Screen fire rating: non fire rated, Screen Glass Type: Toughened and laminated; Glazing manifestations; 12 Nr 110mm high x 56mm wide as per drawing (measured elsewhere), Screen ref. SF003	1	nr			
D	Type 'C' - W1125mm x H2710mm; 40 Rw(db); Screen fire rating: non fire rated, Screen Glass Type: Toughened and laminated; Glazing manifestations; 12 Nr 110mm high x 56mm wide as per drawing (measured elsewhere), Screen ref. SF006, SF010, SF011	3	nr			
E	Type 'C' - W1125mm x H2710mm; 45 Rw(db); Music Room, Screen fire rating: non fire rated, Screen Glass Type: Toughened and laminated; Glazing manifestations; 12 Nr 110mm high x 56mm wide as per drawing (measured elsewhere), Screen ref. SF013	1	nr			
F	Type 'D' - W1585mm x H2710mm; 40 Rw(db); Screen fire rating: non fire rated, Screen Glass Type: Toughened and laminated; Glazing manifestations; 18 Nr 110mm high x 56mm wide as per drawing (measured elsewhere), Screen ref. SG002	1	nr			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
A	Type 'G' - W2485mm x H1585mm; 40 Rw(db); Screen fire rating: non fire rated, Screen Glass Type: Toughened and laminated; Screen to have 2 Nr glazed sliding openings; 1 Nr. 671mm wide x 1310mm high & 1 Nr. 671mm wide x 1535mm high including all assoicated ironmongery as per drawing and specification, Screen ref. SG001	1	nr			
	Glazed European Redwood softwood frame screen; smoke retardant construction; Smoke retardent glazing as indicated on schedule; hardwood; hardwood oak glazing bead throughout; Screen Pane Material: smoke-retardent glass screen - CIRCA 12mm thick PVB toughened and laminated glass to BS6262 impact loadings and smoke testing standards; Preparation: Paint Primer; Bead Location: inside; Bead fixing; Countersunk brass screws; Glazing system: Tape: Preformed butyl strip; Bead bedding sealant; One Part; fire rated intumescent arcylic sealant; Capping Sealant: One-part, fire rated intumescent acrylic sealant; Glazing installation: Located centrally in surround using setting and location blocks; Glazing tape: top edge approximately 6mm short of sight line on side of glazing to allow for capping sealant. Corner butt jointed with no gaps, Thickness of glazing tape bed (minimum) 3mm on both sides of glazing after compression, Beads: bedded in sealant, pressed firmly into position to compress tape, and fixed securely, Excess tape on internal side: Carefully trimmed to a smooth chamfer. Capping sealant: applied to fill void between bead and glazing and finished to a smooth chamfer; all installations in accordance with Manufacturer's instructions; all in accordance with Architects drawings and specifcations; refer to Architect drawing Nr. 6004 for further details and requirements					
	Screens					

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
A	Type 'J' - W4050mm x H2710mm; 40 Rw(db); Screen fire rating: (SRC) Smoke retardant construction, Screen Glass Type:Toughened and laminated; Glazing manifestations; 42 Nr 110mm high x 56mm wide as per drawing (measured elsewhere), Screen ref. SF008	1	nr			
B	Type 'K' - W850mm x H2710mm; 40 Rw(db); Screen fire rating: (SRC) Smoke retardant construction, Screen Glass Type:Toughened and laminated; Glazing manifestations; 8 Nr 110mm high x 56mm wide as per drawing (measured elsewhere), Screen ref. SF007, SF009	2	nr			

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
	Glazed European Redwood softwood frame screen; (FD30s) fire resisting glazing as indicated on schedule; hardwood; hardwood oak glazing bead throughout; Screen Pane Material: 30mins integrity and 30 mins insulation glazed screens circa 15mm-25mm PVB toughened and laminated glass to BS6262 impact loadings and fire test data; Preparation: Paint Primer; Bead Location: inside; Bead fixing; Countersunk brass screws; Glazing system: Tape: Preformed butyl strip; Bead bedding sealant; One Part; fire rated intumescent arcylic sealant; Capping Sealant: One-part, fire rated intumescent acrylic sealant; Glazing installation: Located centrally in surround using setting and location blocks; Glazing tape: top edge approximately 6mm short of sight line on side of glazing to allow for capping sealant. Corner butt jointed with no gaps, Thickness of glazing tape bed (minimum) 3mm on both sides of glazing after compression, Beads: bedded in sealant, pressed firmly into position to compress tape, and fixed securely, Excess tape on internal side: Carefully trimmed to a smooth chamfer. Capping sealant: applied to fill void between bead and glazing and finished to a smooth chamfer; all installations in accordance with Manufacturer's instructions; all in accordance with Architects drawings and specifcations; refer to Architect drawing Nr. 6004 for further details and requirements					
	Screens					
A	Type 'B' - W1360mm x H2710mm; 40 Rw(db); Screen fire rating: 30 Min, Screen Glass Type: 30/30 (integrity / insulation); Glazing manifestations; 16 Nr 110mm high x 56mm wide as per drawing (measured elsewhere), Screen ref. SG008	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
A	Type 'B' - W1360mm x H2710mm; 40 Rw(db); Screen fire rating: 30 Min, Screen Glass Type: 30/30 (integrity / insulation); Glazing manifestations; 16 Nr 110mm high x 56mm wide as per drawing (measured elsewhere), Screen ref. SF001	1	nr			
B	Type 'E' - W910mm x H2710mm; 40 Rw(db); Screen fire rating: 30 Min, Screen Glass Type: 30/30 (integrity / insulation); Glazing manifestations; 10 Nr 110mm high x 56mm wide as per drawing (measured elsewhere), Screen ref. SF012	1	nr			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
	Glazed European Redwood softwood frame screen; (FD60s) fire resisting glazing as indicated on schedule; hardwood; hardwood oak glazing bead throughout; Screen Pane Material: 60mins integrity and 60 mins insulation glazed screens circa 15mm-25mm PVB toughened and laminated glass to BS6262 impact loadings and fire test data; Preparation: Paint Primer; Bead Location: inside; Bead fixing; Countersunk brass screws; Glazing system: Tape: Preformed butyl strip; Bead bedding sealant; One Part; fire rated intumescent arcylic sealant; Capping Sealant: One-part, fire rated intumescent acrylic sealant; Glazing installation: Located centrally in surround using setting and location blocks; Glazing tape: top edge approximately 6mm short of sight line on side of glazing to allow for capping sealant. Corner butt jointed with no gaps, Thickness of glazing tape bed (minimum) 3mm on both sides of glazing after compression, Beads: bedded in sealant, pressed firmly into position to compress tape, and fixed securely, Excess tape on internal side: Carefully trimmed to a smooth chamfer. Capping sealant: applied to fill void between bead and glazing and finished to a smooth chamfer; all installations in accordance with Manufacturer's instructions; all in accordance with Architects drawings and specifcations; refer to Architect drawing Nr. 6004 for further details and requirements					
	Screens					
A	Type 'A' - W1800mm x H2710mm; 40 Rw(db); Screen fire rating: 60 min, Screen Glass Type; 60/60 (integrity / insulation); Glazing manifestations; 22 Nr 110mm high x 56mm wide as per drawing (measured elsewhere), Screen ref. SG006	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
A	Type 'B' - W1360mm x H2710mm; 40 Rw(db); Screen fire rating: 60 Min, Screen Glass Type: 60/60 (integrity / insulation); Glazing manifestations; 16 Nr 110mm high x 56mm wide as per drawing (measured elsewhere), Screen ref. SF016	1	nr			
B	Type 'C' - W1125mm x H2710mm; 40 Rw(db); Screen fire rating: 60 Min, Screen Glass Type: 60/60 (integrity / insulation); Glazing manifestations; 12 Nr 110mm high x 56mm wide as per drawing (measured elsewhere), Screen ref. SF004, SF015	2	nr			
C	Type 'D' - W1585mm x H2710mm; 40 Rw(db); Screen fire rating: 60 Min, Screen Glass Type: 60/60 (integrity / insulation); Glazing manifestations; 18 Nr 110mm high x 56mm wide as per drawing (measured elsewhere), Screen ref. SG007	1	nr			
D	Type 'E' - W910mm x H2710mm; 40 Rw(db); Screen fire rating: 60 Min, Screen Glass Type: 60/60 (integrity / insulation); Glazing manifestations; 10 Nr 110mm high x 56mm wide as per drawing (measured elsewhere), Screen ref. SG009, SF005	2	nr			
E	Type 'L' - W1685mm x H2710mm; 40 Rw(db); Screen fire rating: 60 Min, Screen Glass Type: 60/60 (integrity / insulation); Glazing manifestations; 20 Nr 110mm high x 56mm wide as per drawing (measured elsewhere), Screen ref. SG010	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
	Glazed European Redwood softwood frame screen; (FD60s) fire resisting glazing as indicated on schedule; hardwood; hardwood oak glazing bead throughout; Screen Pane Material: 60mins integrity glazed screens circa 15mm-25mm PVB laminated glass to BS6262 impact loadings and fire test data; Preparation: Paint Primer; Bead Location: inside; Bead fixing; Countersunk brass screws; Glazing system: Tape: Preformed butyl strip; Bead bedding sealant; One Part; fire rated intumescent arcylic sealant; Capping Sealant: One-part, fire rated intumescent acrylic sealant; Glazing installation: Located centrally in surround using setting and location blocks; Glazing tape: top edge approximately 6mm short of sight line on side of glazing to allow for capping sealant. Corner butt jointed with no gaps, Thickness of glazing tape bed (minimum) 3mm on both sides of glazing after compression, Beads: bedded in sealant, pressed firmly into position to compress tape, and fixed securely, Excess tape on internal side: Carefully trimmed to a smooth chamfer. Capping sealant: applied to fill void between bead and glazing and finished to a smooth chamfer; all installations in accordance with Manufacturer's instructions; all in accordance with Architects drawings and specifcations; refer to Architect drawing Nr. 6004 for further details and requirements					
	Screens					
A	Type 'F' - W1135mm x H1200mm; 40 Rw(db); Screen fire rating: 60 Min, Screen Glass Type: 60/0 (integrity), Screen ref. SF014	1	nr			
	IRONMONGERY ACCESSORIES AND SUNDRIES					
B	Hinges to be grade 13 Maintenance free Hinges that come with a 25-year manufacturers warranty.		note			

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
A	Door Closers: Size 1-4 Cam-Action overhead door closers C/W torque curve report showing compliane to DDA requirements.		note			
B	Locks: to be CE Marked Locks with Anti-friction latch bolts 3rd party fire tested (Certified)		note			
C	Levers: to be eurpoean manufactured Solid 316 SSS levers on ball bearing rose and come with a 25-year manufacturers mechanical warranty.		note			
D	All ironmongery to come with an extended Warranty Letter which will override the existing warranty where applicable and give a 25-year warranty on all products.		item			
E	The Specified products meet the technical, aesthetic, functional, statutory, (TGD Part M and Part B) & safety standards and requirements for this school. The contractor may propose and equivalent for Architects approval.		note			
	Supply and fix the following ironmongery; ironmongery must comply with TGD Part M and B & safety standards and requirements for this school; include all warranties as listed, fix to timber backgrounds; principal material/finish to be grade 304 Satin stainless steel unless noted otherwise; all in accordance with manufacturer's instructions; all in accordance with Architects drawings, specification and Internal Ironmongery Schedule					
	Ironmongery Set 1 - (KC1001.1); Single door (Non Fire); (1nr)					
F	KA-9501/SSS; KCC Floor Mounted Door Stop	1	nr			
G	KA-9710S/304/150X900/SSS; KCC Stainless Steel 304 Square Corner Kicking Plate; H150mm x W900mm	2	nr			
H	KC-9511/MK2K/SNP; Tigris Premium, Patented Single & Turn Cylinder 3535 to BS EN1303:2015 grade 160B0C6C	1	nr			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
A	KD-9200N/SSS; KCC Architectural Slimline Cam Action Slide Channel Door Closer to hEN1154 Grade 38(4/2)113	1	nr			
B	KF-2001/SSS; KCC Tubular Stainless Steel 304 19mm Unsprung Rose Lever Handle on Rose Set to BS EN1906:2012 Grade 37-B030B	1	nr			
C	KF-2101/SSS; KCC Stainless Steel 304 Euro Profile Escutheon; 5mm	2	nr			
D	KH-14931R/SSS; Frisco Stainless Steel Maintenance Free Self Lubricating Thrust Bearing Hinge to hEN1935 Grade 476114014 and Certifire CF336	3	nr			
E	KL-1901RAR/SSS; KCC Heavy Duty Modular Mortice Sashlock c/w Anti-Rattle Adjustable Strike Plate to hEN12209 Grade 3X510F3BC20 and Certifire CF5234	1	nr			
	Ironmongery Set 2 - (KC1002.1); Single Doors (FD30); (3 nr)					
F	KA-9200/304/SSS; KCC Grade 304 Stainless Steel 'Fire Door Keep Shut' Sign	6	nr			
G	KA-9501/SSS; KCC Floor Mounted Door Stop	3	nr			
H	KA-9710S/304/150X900/SSS; KCC Stainless Steel 304 Square Corner Kicking Plate; H150mm x W900mm	6	nr			
I	KA-FS1900IN/1/WHT; Fire Rated Interdens Based Intumescent KCC Lock Protector, 1mm, White	3	nr			
J	KA-FS500R/BLK; Flexfire Fire Rated Graphite Based Intumescent Hingeplate Protector, Radius, 1mm, Black, Self Adhesive	18	nr			
K	KC-9511/MK2K/SNP; Tigris Premium, Patented Single & Turn Cylinder 3535 to BS EN1303:2015 grade 160B0C6C	3	nr			
L	KD-9200N/SSS; KCC Architectural Slimline Cam Action Slide Channel Door Closer to hEN1154 Grade 38(4/2)113	3	nr			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
A	KF-2001/SSS; KCC Tubular Stainless Steel 304 19mm Unsprung Rose Lever Handle on Rose Set to BS EN1906:2012 Grade 37-B030B	3	nr			
B	KF-2101/SSS; KCC Stainless Steel 304 Euro Profile Escutheon; 5mm	6	nr			
C	KH-14931R/SSS; Frisco Stainless Steel Maintenance Free Self Lubricating Thrust Bearing Hinge to hEN1935 Grade 476114014 and Certifire CF336	9	nr			
D	KL-1901RAR/SSS; KCC Heavy Duty Modular Mortice Sashlock c/w Anti-Rattle Adjustable Strike Plate to hEN12209 Grade 3X510F3BC20 and Certifire CF5234	3	nr			
	Ironmongery Set 3 - (KC1056.1); Single doors (Non Fire); (8nr)					
E	KA-9103/304/SSS; KCC Grade 304 Stainless Steel Unisex Symbol	8	nr			
F	KA-9400/SSS; KCC Hat & Coat Hook	8	nr			
G	KA-9501/SSS; KCC Floor Mounted Door Stop	8	nr			
H	KA-9710S/304/150X900/SSS; KCC Stainless Steel 304 Square Corner Kicking Plate; H150mm x W900mm	16	nr			
I	KD-9200N/SSS; KCC Architectural Slimline Cam Action Slide Channel Door Closer to hEN1154 Grade 38(4/2)113	8	nr			
J	KF-2001/SSS; KCC Tubular Stainless Steel 304 19mm Unsprung Rose Lever Handle on Rose Set to BS EN1906:2012 Grade 37-B030B	8	nr			
K	KF-2110/SSS; KCC Stainless Steel 304 Standard Thumbturn & Release 6mm	8	nr			
L	KH-14931R/SSS; Frisco Stainless Steel Maintenance Free Self Lubricating Thrust Bearing Hinge to hEN1935 Grade 476114014 and Certfire CF336	24	nr			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
A	KL-1904RAR/SSS; KCC Heavy Duty Modular Bathroom Lock c/w Anti-Rattle Adjustable Strike Plate to hEN12209 Grade 3X510F-BG20 and Certfire CF5234	8	nr			
	Ironmongery Set 4 - (KC1062.1); Single doors (Non Fire) (4nr)					
B	KA-9102/304/SSS; KCC Grade 304 Stainless Steel Accessible Symbol	4	nr			
C	KA-9103/304/SSS; KCC Grade 304 Stainless Steel Unisex Symbol	4	nr			
D	KA-9400/SSS; KCC Hat & Coat Hook	4	nr			
E	KA-9501/SSS; KCC Floor Mounted Door Stop	4	nr			
F	KA-9710S/304/150X900/SSS; KCC Stainless Steel 304 Square Corner Kicking Plate; H150mm x W900mm	8	nr			
G	KF-2001/SSS; KCC Tubular Stainless Steel 304 19mm Unsprung Rose Lever Handle on Rose Set to BS EN1906:2012 Grade 37-B030B	4	nr			
H	KF-2111/SSS; KCC Stainless Steel 304 Accessible Thumbturn & Release 6mm	4	nr			
I	KH-14931R/SSS; Frisco Stainless Steel Maintenance Free Self Lubricating Thrust Bearing Hinge to hEN1935 Grade 476114014 and Certfire CF336	12	nr			
J	KL-1904RAR/SSS; KCC Heavy Duty Modular Bathroom Lock c/w Anti-Rattle Adjustable Strike Plate to hEN12209 Grade 3X510F-BG20 and Certfire CF5234	4	nr			
	Ironmongery Set 5 - (KC1084.1); Single doors (Non Fire) (1nr)					
K	KA-9102/304/SSS; KCC Grade 304 Stainless Steel Accessible Symbol	1	nr			
L	KA-9103/304/SSS; KCC Grade 304 Stainless Steel Unisex Symbol	1	nr			
M	KA-9400/SSS; KCC Hat & Coat Hook	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
A	KA-9501/SSS; KCC Floor Mounted Door Stop	1	nr			
B	KA-9710S/304/150X900/SSS; KCC Stainless Steel 304 Square Corner Kicking Plate; H150mm x W900mm	2	nr			
C	KF-2001/SSS; KCC Tubular Stainless Steel 304 19mm Unsprung Rose Lever Handle on Rose Set to BS EN1906:2012 Grade 37-B030B	1	nr			
D	KF-2111/SSS; KCC Stainless Steel 304 Accessible Thumbturn & Release 6mm	1	nr			
E	KH-14931R/SSS; Frisco Stainless Steel Maintenance Free Self Lubricating Thrust Bearing Hinge to hEN1935 Grade 476114014 and Certfire CF336	3	nr			
F	KH-C4C/SSS; KCC Pivot Set - Double Action. Typically used with KH-C5C	1	nr			
G	KH-C5C/SSS; KCC Emergency Release. Typically used with floor springs and double action pivots	1	nr			
H	KL-1904DSPR/SSS; KCC Double Strike Plate to Suit KL-1904	1	nr			
I	KL-1904RAR/SSS; KCC Heavy Duty Modular Bathroom Lock c/w Anti-Rattle Adjustable Strike Plate to hEN12209 Grade 3X510F-BG20 and Certfire CF5234	1	nr			
	Ironmongery Set 6 - (KC1109.1); Single doors (Non Fire); (9nr)					
J	KA-9501/SSS; KCC Floor Mounted Door Stop	9	nr			
K	KA-9710S/304/150X900/SSS; KCC Stainless Steel 304 Square Corner Kicking Plate; H150mm x W900mm	18	nr			
L	KC-9501/MK2K/SNP; Tigris Premium, Patented Single Cylinder 45 to BS EN1303:2015 grade 160B0C6C	9	nr			
M	KD-9200N/SSS; KCC Architectural Slimline Cam Action Slide Channel Door Closer to hEN1154 Grade 38(4/2)113	9	nr			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
A	KF-2001/SSS; KCC Tubular Stainless Steel 304 19mm Unsprung Rose Lever Handle on Rose Set to BS EN1906:2012 Grade 37-B030B	9	nr			
B	KC-2101/SSS; KCC Stainless Steel 304 Euro Profile Escutheon 5mm	9	nr			
C	KH-14931R/SSS; Frisco Stainless Steel Maintenance Free Self Lubricating Thrust Bearing Hinge to hEN1935 Grade 476114014 and Certfire CF336	27	nr			
D	KL-1908RAR/SSS; KCC Heavy Duty Modular Mortice Anti-Panic Sashlock c/w Anti-rattle Adjustable Strike Plate to hEN179 Grade 37611332A and Certifire CF5234	9	nr			
E	KL-SPLIT-SPIND8/BZP; KCC Split Spindle 8mm	9	nr			
	Ironmongery Set 7 - (KC1110.1); Single Doors (FD30); (2nr)					
F	KA-9200/304/SSS; KCC Grade 304 Stainless Steel 'Fire Door Keep Shut' Sign	4	nr			
G	KA-9501/SSS; KCC Floor Mounted Door Stop	2	nr			
H	KA-9710S/304/150X900/SSS; KCC Stainless Steel 304 Square Corner Kicking Plate; H150mm x W900mm	4	nr			
I	KA-FS1900IN/1/WHT; Fire Rated Interdens Based Intumescent KCC Lock Protector, 1mm, White	2	nr			
J	KA-FS500R/BLK; Flexfire Fire Rated Graphite Based Intumescent Hingeplate Protector, Radius, 1mm, Black, Self Adhesive	12	nr			
K	KC-9501/MK2K/SNP; Tigris Premium, Patented Single Cylinder 45 to BS EN1303:2015 grade 160B0C6C	2	nr			
L	KD-9200N/SSS; KCC Architectural Slimline Cam Action Slide Channel Door Closer to hEN1154 Grade 38(4/2)113	2	nr			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
A	KF-2001/SSS; KCC Tubular Stainless Steel 304 19mm Unsprung Rose Lever Handle on Rose Set to BS EN1906:2012 Grade 37-B030B	2	nr			
B	KF-2101/SSS; KCC Stainless Steel 304 Euro Profile Escutheon; 5mm	2	nr			
C	KH-14931R/SSS; Frisco Stainless Steel Maintenance Free Self Lubricating Thrust Bearing Hinge to hEN1935 Grade 476114014 and Certifire CF336	6	nr			
D	KL-1908RAR/SSS; KCC Heavy Duty Modular Mortice Sashlock Anti-Panic c/w Anti-Rattle Adjustable Strike Plate to hEN179 Grade 37611332A and Certifire CF5234	2	nr			
E	KL-SPLIT-SPIND8/BZP KCC Split Spindle 8mm	2	nr			
	Ironmongery Set 8 - (KC1111.1); Single Doors (FD60); (7nr)					
F	KA-9200/304/SSS; KCC Grade 304 Stainless Steel 'Fire Door Keep Shut' Sign	14	nr			
G	KA-9501/SSS; KCC Floor Mounted Door Stop	7	nr			
H	KA-9710S/304/150X900/SSS; KCC Stainless Steel 304 Square Corner Kicking Plate; H150mm x W900mm	14	nr			
I	KA-FS1900IN/1/WHT; Fire Rated Interdens Based Intumescent KCC Lock Protector, 1mm, White	7	nr			
J	KA-FS500R/BLK; Flexfire Fire Rated Graphite Based Intumescent Hingeplate Protector, Radius, 1mm, Black, Self Adhesive	42	nr			
K	KC-9501/MK2K/SNP; Tigris Premium, Patented Single Cylinder 45 to BS EN1303:2015 grade 160B0C6C	7	nr			
L	KD-9200N/SSS; KCC Architectural Slimline Cam Action Slide Channel Door Closer to hEN1154 Grade 38(4/2)113	7	nr			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
A	KF-2001/SSS; KCC Tubular Stainless Steel 304 19mm Unsprung Rose Lever Handle on Rose Set to BS EN1906:2012 Grade 37-B030B	7	nr			
B	KF-2101/SSS; KCC Stainless Steel 304 Euro Profile Escutheon; 5mm	7	nr			
C	KH-14931R/SSS; Frisco Stainless Steel Maintenance Free Self Lubricating Thrust Bearing Hinge to hEN1935 Grade 476114014 and Certifire CF336	21	nr			
D	KL-1908RAR/SSS; KCC Heavy Duty Modular Mortice Sashlock Anti-Panic c/w Anti-Rattle Adjustable Strike Plate to hEN179 Grade 37611332A and Certifire CF5234	7	nr			
E	KL-SPLIT-SPIND8/BZP KCC Split Spindle 8mm	7	nr			
	Ironmongery Set 9 - (KC1402.1); Door & 1/2 (FD30); (1nr)					
F	KA-9200/304/SSS; KCC Grade 304 Stainless Steel 'Fire Door Keep Shut' Sign	2	nr			
G	KA-9201/304/SSS; KCC Grade 304 Stainless Steel 'Fire Door Keep Locked' Sign	2	nr			
H	KA-9501/SSS; KCC Floor Mounted Door Stop	2	nr			
I	KA-9710/11S/304/SSS; KCC Stainless Steel 304 Square Corner Kicking Plate; H150mm x W250mm	2	nr			
J	KA-9710S/304/150X900/SSS; KCC Stainless Steel 304 Square Corner Kicking Plate; H150mm x W900mm	2	nr			
K	KA-9920R/1/SSS; KCC Lever Action Flush Bolt, W19 x L200. Radius Corner	2	nr			
L	KA-9950/SSS; KCC Sprung Loaded Dust Excluding Socket	1	nr			
M	KA-FB200RINT-5P-2/WH; Intumescent Flush Bolt Protector, 5 Parts 2mm. Suites FB200R	2	nr			

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
A	KA-FS1900IN/1/WHT; Fire Rated Interdens Based Intumescent KCC Lock Protector, 1mm, White	1	nr			
B	KA-FS500R/BLK; Flexfire Fire Rated Graphite Based Intumescent Hingeplate Protector, Radius, 1mm, Black, Self Adhesive	12	nr			
C	KC-9511/MK2K/SNP; Tigris Premium, Patented Single & Turn Cylinder 3535 to BS EN1303:2015 grade 160B0C6C	1	nr			
D	KD-9200N/SSS; KCC Architectural Slimline Cam Action Slide Channel Door Closer to hEN1154 Grade 38(4/2)113	1	nr			
E	KF-2001/SSS; KCC Tubular Stainless Steel 304 19mm Unsprung Rose Lever Handle on Rose Set to BS EN1906:2012 Grade 37-B030B	1	nr			
F	KF-2101/SSS; KCC Stainless Steel 304 Euro Profile Escutheon; 5mm	2	nr			
G	KH-14931R/SSS; Frisco Stainless Steel Maintenance Free Self Lubricating Thrust Bearing Hinge to hEN1935 Grade 476114014 and Certifire CF336	6	nr			
H	KL-1901RAR/SSS; KCC Heavy Duty Modular Mortice Sashlock Anti-Panic c/w Anti-Rattle Adjustable Strike Plate to hEN12209 Grade 3x510F3BC20 and Certifire CF5234	1	nr			
	Ironmongery Set 10 - (KC2451.1); Door & 1/2 (Non Fire) (1nr)					
I	KA-9205/304/SSS; KCC Grade 304 Stainless Steel 'Automatic Door Keep Clear' Sign	2	nr			
J	KA-9501/SSS; KCC Floor Mounted Door Stop	2	nr			
K	KA-9700S/304/75x650/SSS; KCC Stainless Steel 304 Square Corner Finger Plate; H75mm x W650mm	1	nr			
L	KA-9710/11S/304/SSS; KCC Stainless Steel 304 Square Corner Kicking Plate; H150mm x W430mm	2	nr			

To Collection €

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
A	KA-9710S/304/150X900/SSS; KCC Stainless Steel 304 Square Corner Kicking Plate; H150mm x W900mm	2	nr			
B	KA-9920R/1/SSS; KCC Lever Action Flush Bolt, W19 x L200. Radius Corner	2	nr			
C	KA-9950/SSS; KCC Sprung Loaded Dust Excluding Socket	1	nr			
D	KAC-ST1400/WHT; KCC Linear Boxed Power Supply Unit Certified to EN60950, 24VDC1amp	1	nr			
E	KD-TS73EMF/4/SIL; Dormakaba Rack & Pinion Door Closer c/w Scissor Arm & Hold Open Unit. Standard Arm for Fixing on Hinge Side 53010001	1	nr			
F	KF-1378/12/304/SSS; KCC Round Bar Pull Handle Grade 304 Stainless Steel, A25 x B600 x C575 x D75, BT Fixing	1	nr			
G	KH-14931R/SSS; Frisco Stainless Steel Maintenance Free Self Lubricating Thrust Bearing Hinge to hEN1935 Grade 476114014 and Certifire CF336	6	nr			
	Ironmongery Set 11 - (KC2452.1); Double Doors (FD30) (3nr)					
H	KA-9201/304/SSS; KCC Grade 304 Stainless Steel 'Fire Door Keep Locked' Sign	6	nr			
I	KA-9202/304/SSS; KCC Grade 304 Stainless Steel 'Automatic Fire Door Keep Clear' Sign	6	nr			
J	KA-9501/SSS; KCC Floor Mounted Door Stop	6	nr			
K	KA-9700S/304/75x650/SSS; KCC Stainless Steel 304 Square Corner Finger Plate; H75mm x W650mm	3	nr			
L	KA-9710/11S/304/SSS; KCC Stainless Steel 304 Square Corner Kicking Plate; H150mm x W430mm	6	nr			
M	KA-9710S/304/150X900/SSS; KCC Stainless Steel 304 Square Corner Kicking Plate; H150mm x W900mm	6	nr			

To Collection €

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
A	KA-9920R/1/SSS; KCC Lever Action Flush Bolt, W19 x L200. Radius Corner	6	nr			
B	KA-9950/SSS; KCC Sprung Loaded Dust Excluding Socket	3	nr			
C	KA-FB200RINT-5P-2/WHT; Intumescent Flush Bolt Protector, 5 Parts 2mm. Suites FB200R	6	nr			
D	KA-FS500R/BLK; Flexfire Fire Rated Graphite Based Intumescent Hingeplate Protector, Radius, 1mm, Black, Self Adhesive	36	nr			
E	KAC-ST1400/WHT; KCC Linear Boxed Power Supply Unit Certified to EN60950, 24VDC1amp	3	nr			
F	KD-TS73EMF/4/SIL; Dormakaba Rack & Pinion Door Closer c/w Scissor Arm & Hold Open Unit. Standard Arm for Fixing on Hinge Side 53010001	3	nr			
G	KF-1378/12/304/SSS; KCC Round Bar Pull Handle Grade 304 Stainless Steel, A25 x B600 x C575 x D75, BT Fixing	3	nr			
H	KH-14931R/SSS; Frisco Stainless Steel Maintenance Free Self Lubricating Thrust Bearing Hinge to hEN1935 Grade 476114014 and Certifire CF336	18	nr			
	Ironmongery Set 12 - (KC2453.1); Double Door (FD60) (1nr)					
I	KA-9201/304/SSS; KCC Grade 304 Stainless Steel 'Fire Door Keep Locked' Sign	2	nr			
J	KA-9202/304/SSS; KCC Grade 304 Stainless Steel 'Automatic Fire Door Keep Clear' Sign	2	nr			
K	KA-9501/SSS; KCC Floor Mounted Door Stop	2	nr			
L	KA-9700S/304/75x650/SSS; KCC Stainless Steel 304 Square Corner Finger Plate; H75mm x W650mm	1	nr			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
A	KA-9710/11S/304/SSS; KCC Stainless Steel 304 Square Corner Kicking Plate; H150mm x W430mm	2	nr			
B	KA-9710S/304/150X900/SSS; KCC Stainless Steel 304 Square Corner Kicking Plate; H150mm x W900mm	2	nr			
C	KA-9920R/1/SSS; KCC Lever Action Flush Bolt, W19 x L200. Radius Corner	2	nr			
D	KA-9950/SSS; KCC Sprung Loaded Dust Excluding Socket	1	nr			
E	KA-FB200RINT-5P-2/WHT; Intumescent Flush Bolt Protector, 5 Parts 2mm. Suites FB200R	2	nr			
F	KA-FS500R/BLK; Flexfire Fire Rated Graphite Based Intumescent Hingeplate Protector, Radius, 1mm, Black, Self Adhesive	12	nr			
G	KAC-ST1400/WHT; KCC Linear Boxed Power Supply Unit Certified to EN60950, 24VDC1amp	1	nr			
H	KD-TS73EMF/4/SIL; Dormakaba Rack & Pinion Door Closer c/w Scissor Arm & Hold Open Unit. Standard Arm for Fixing on Hinge Side 53010001	1	nr			
I	KF-1378/12/304/SSS; KCC Round Bar Pull Handle Grade 304 Stainless Steel, A25 x B600 x C575 x D75, BT Fixing	1	nr			
J	KH-14931R/SSS; Frisco Stainless Steel Maintenance Free Self Lubricating Thrust Bearing Hinge to hEN1935 Grade 476114014 and Certifire CF336	6	nr			
	Ironmongery Set 13 - (KC2753.1); Double Doors (FD60) (5 nr)					
K	KA-9202/304/SSS; KCC Grade 304 Stainless Steel 'Automatic Fire Door Keep Clear' Sign	20	nr			
L	KA-9501/SSS; KCC Floor Mounted Door Stop	10	nr			

To Collection €

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
A	KA-9700S/304/75x650/SSS; KCC Stainless Steel 304 Square Corner Finger Plate; H75mm x W650mm	10	nr			
B	KA-9710S/304/150X900/SSS; KCC Stainless Steel 304 Square Corner Kicking Plate; H150mm x W900mm	20	nr			
C	KA-FS500R/BLK; Flexfire Fire Rated Graphite Based Intumescent Hingeplate Protector, Radius, 1mm, Black, Self Adhesive	60	nr			
D	KAC-ST1400/WHT; KCC Linear Boxed Power Supply Unit Certified to EN60950, 24VDC1amp	5	nr			
E	KD-TS73EMF/4/SIL; Dormakaba Rack & Pinion Door Closer c/w Scissor Arm & Hold Open Unit. Standard Arm for Fixing on Hinge Side 53010001	10	nr			
F	KF-1378/12/304/SSS; KCC Round Bar Pull Handle Grade 304 Stainless Steel, A25 x B600 x C575 x D75, BT Fixing	10	nr			
G	KH-14931R/SSS; Frisco Stainless Steel Maintenance Free Self Lubricating Thrust Bearing Hinge to hEN1935 Grade 476114014 and Certifire CF336	30	nr			
	Ironmongery Set 14 - (KC4001.1); Single Door (FD60) (1 nr)					
H	KA-9200/304/SSS; KCC Grade 304 Stainless Steel 'Fire Door Keep Shut' Sign	2	nr			
I	KA-9710S/304/150X900/SSS; KCC Stainless Steel 304 Square Corner Kicking Plate; H150mm x W900mm	1	nr			
J	KA-FS1900IN/1/WHT; Fire Rated Interdens Based Intumescent KCC Lock Protector, 1mm, White	1	nr			
K	KA-FS500R/BLK; Flexfire Fire Rated Graphite Based Intumescent Hingeplate Protector, Radius, 1mm, Black, Self Adhesive	6	nr			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
A	KC-9501/MK2K/SNP; Tigris Premium, Patented Single Cylinder 45 to BS EN1303:2015 grade 160B0C6C	1	nr			
B	KF-34482/SSS; KCC Cylinder Pull Euro Pierced	1	nr			
C	KH-14931R/SSS; Frisco Stainless Steel Maintenance Free Self Lubricating Thrust Bearing Hinge to hEN1935 Grade 476114014 and Certifire CF336	3	nr			
D	KL-1902R/SSS; KCC Heavy Duty Modular Mortice Deadlock to hEN12209 grade 3X510F3BC00 and certificate CF5234	1	nr			
	Ironmongery Set 15 - (KC4614.1); Door and 1/2 (FD30) (1 nr) & Double Door (FD30) (1 Nr)					
E	KA-9201/304/SSS; KCC Grade 304 Stainless Steel 'Fire Door Keep Locked' Sign	4	nr			
F	KA-9710/11S/304/SSS; KCC Stainless Steel 304 Square Corner Kicking Plate; H150mm x W250mm	1	nr			
G	KA-9710/11S/304/SSS; KCC Stainless Steel 304 Square Corner Kicking Plate; H150mm x W430mm	1	nr			
H	KA-9710S/304/150X900/SSS; KCC Stainless Steel 304 Square Corner Kicking Plate; H150mm x W900mm	2	nr			
I	KA-9920R/1/SSS; KCC Lever Action Flush Bolt, W19 x L200. Radius Corner	4	nr			
J	KA-9950/SSS; KCC Sprung Loaded Dust Excluding Socket	2	nr			
K	KA-FB200RINT-5P-2/WHT; Intumescent Flush Bolt Protector, 5 Parts 2mm. Suites FB200R	4	nr			
L	KA-FS1900IN/1/WHT; Fire Rated Interdens Based Intumescent KCC Lock Protector, 1mm, White	2	nr			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
A	KA-FS500R/BLK; Flexfire Fire Rated Graphite Based Intumescent Hingeplate Protector, Radius, 1mm, Black, Self Adhesive	24	nr			
B	KC-9501/MK2K/SNP; Tigris Premium, Patented Single Cylinder 45 to BS EN1303:2015 grade 160B0C6C	2	nr			
C	KF-34482/SSS; KCC Cylinder Pull Euro Pierced	2	nr			
D	KH-14931R/SSS; Frisco Stainless Steel Maintenance Free Self Lubricating Thrust Bearing Hinge to hEN1935 Grade 476114014 and Certifire CF336	12	nr			
E	KL-1902R/SSS; KCC Heavy Duty Modular Mortice Deadlock to hEN12209 grade 3X510F3BC00 and certificate CF5234	2	nr			
	Door access control system to SEN Secure lobby double doors, Geze Slimdrive EMD-F or equivalent power assist opener to Architects approval, Activation and control system; automatic power assist, Safety devices: Presence sensor, Breakout facility: not required, Locking mechanism: Electro-mechanical; including all associated wiring / connections, grounds etc as per M&E drawings, and all other ironmongery to form complete set, all installations in accordance with manufacturers instructions & architects drawings and specification; refer to Architect drawing 6003 and specification L20/490B for further details					
	Ironmongery					
F	glazed double door set; DG001	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
	METALWORK					
	FOLDING DOORS					
	ROLLER SHUTTERS					
	Roller Shutters/Curtains; Manufacturer: Doorfix Ring-gard or equivalent to architects approval; Product reference: Fire Resistant Shutters; Performance: Fire and Smoke resistance: 30/30; Arrangement: Vertical, face fitted across opening; Shutter/ curtain material: Galvanized steel; Finish as delivered: Powder Coated to selected RAL colour; Frame/ Guides: Rolled steel with fixing angles; Finish as delivered: Powder coated to match shutter; Operation: Electrical, auto solenoid controlled release, activated by fire alarm link; Ironmongery: as provided; Other requirements: Emergency hand chain; all installations in accordance with manufacturers instructions; all in accordance with Architects drawings and specifcations L20/610; refer to Architect drawing 6004 for further details & requirements					
	Roller shutters; shutter to 'Daily Living Skills'					
A	Type 'H' - vertical; W1585mm x H1585mm; Screen Ref, SG011	1	nr			
	GLAZING					
	GENERAL GLAZING					
	Surface treatments					
B	Manifestation; refer to Architects Drg Nr 6003 & 6004	474	nr			

	Description	Qty	Unit	Rate	€	c
	EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
	PAINTING AND DECORATING					
	PAINTING					
	Sanding down, dusting off, - one coat of primer, two undercoats of dulux trade new work undercoat or equivalent, two finishing coats of dulux trade new work gloss paint or equivalent; painted to selected colours to woodwork to Architect's choice of colour as indicated on Architects Drg Nr's DR-A-1241 & DR-A-1242; painting to include top bottom and sides of doors; all in accordance with the Architects drawings and specifiction document manufacturer's printed instructions					
	General Surfaces					
A	generally	106	m2			
B	generally (glazed doors)	186	m2			
C	generally (glazed doors); in existing building	52	m2			
D	generally (screens)	216	m2			
	Second fixings					
E	< or = 300mm girth (frame)	464	m			
F	< or = 300mm girth (frame); in existing building	32	m			
G	< or = 300mm girth (MDF Liner)	431	m			
H	< or = 300mm girth (MDF Liner); in existing building	32	m			

To Collection €

Description	Qty	Unit	Rate	€	c
EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
COLLECTION					
Page No. BQ/326					
Page No. BQ/327					
Page No. BQ/328					
Page No. BQ/329					
Page No. BQ/330					
Page No. BQ/331					
Page No. BQ/332					
Page No. BQ/333					
Page No. BQ/334					
Page No. BQ/335					
Page No. BQ/336					
Page No. BQ/337					
Page No. BQ/338					
Page No. BQ/339					
Page No. BQ/340					
Page No. BQ/341					
Page No. BQ/342					
Page No. BQ/343					
Page No. BQ/344					
Page No. BQ/345					
Page No. BQ/346					
Page No. BQ/347					
Page No. BQ/348					

Description	Qty	Unit	Rate	€	c
EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
COLLECTION					
Page No. BQ/349					
Page No. BQ/350					
Page No. BQ/351					
Page No. BQ/352					
Page No. BQ/353					
Page No. BQ/354					
Page No. BQ/355					
Page No. BQ/356					
Page No. BQ/357					
Page No. BQ/358					
Page No. BQ/359					
Page No. BQ/360					
Page No. BQ/361					
Page No. BQ/362					
Page No. BQ/363					
Page No. BQ/364					
Page No. BQ/365					
Page No. BQ/366					
Page No. BQ/367					
Page No. BQ/368					
Page No. BQ/369					
Page No. BQ/370					
Page No. BQ/371					

Description	Qty	Unit	Rate	€	c
EL (32) INTERNAL WALL COMPLETIONS (Cont'd)					
COLLECTION					
Page No. BQ/372					
Page No. BQ/373					
Page No. BQ/374					
Page No. BQ/375					
Page No. BQ/376					
EL (32) INTERNAL WALL COMPLETIONS Carried to Summary					

	Description	Qty	Unit	Rate	€	c
	EL (34) STAIRS, RAMPS: COMPLETIONS					
	INFORMATION					
	1. The Contractor is advised that the Architect's, Structural and Services Engineer's Drawings and Specifications (Works Requirements) are all complimentary to each other and should be read in conjuntion with one another.		Note			
	2. The Contractor shall refer to the Drawings and Specifications included in the Works Requirements, Volume A.		Note			
	METALWORK					
	BALUSTRADES/HANDRAILS					
A	Design intent for contractor design portion is shown for secondary steel supports & fixings to handrails and balustrades/ railings, Size and fixings of members shown is indicative and must be verified through design calculations by the Main contractor or their specialist subcontractor. Sd, Si, Sc and Css/Cs Ancillary Certification required.		item			
	Guarding Type 3: (1400mm high) 15mm plate steel uprights and top rail with 150mm angle base plate. Uprights at 110mm centres. Depth to guarding designer specification. All of the above welded together prior to installation. All steel to be painted as noted on finishes plan. Balustrade fixed to concrete floor slab using countersunk masonry fixings to specialist design through angle baseplate; all fixings to Engineer's/ manufacturers details and requirements; all in accordance with Architect's drawings and specifications; refer to Architect's drawing 4108 for further details					
	Composite items; balustrades					
B	1400mm high	4	m			
	Extra on balustrades and associated handrails for					
C	ends	2	nr			

	Description	Qty	Unit	Rate	€	c
	EL (34) STAIRS, RAMPS: COMPLETIONS (Cont'd)					
	Guarding Type 4: (1400mm high) 15mm plate steel uprights, top rail and base plate. Uprights at 110mm centres. Depth to guarding designer specification. All of the above welded together prior to installation. All steel to be painted as noted on finishes plan. Balustrade fixed to top of concrete wall using countersunk masonry fixings to specialist design; all fixings to Engineer's/ manufacturers details and requirements; all in accordance with Architect's drawings and specifications; refer to Architect's drawing 4108 for further details					
	Composite items; balustrades					
A	1400mm high	1	m			
B	1400mm high; raking	4	m			
C	Slopping from 1400mm high to 400mm high; raking	2	m			
	Extra on balustrades and associated handrails for					
D	ends	2	nr			
E	bends	2	nr			
	Handrail Type 1: (900mm high) 10 x 25mm continuous steel handrail support plate spanning between 10mm dia. solid steel brackets at 1m centres. All of the above welded together prior to installation. Brackets fixed to wall / balustrade using countersunk fixings to specialist design. All steel to be painted as noted on finishes plan. Handrail to be 50mm diameter solid oak and varnish finish, with recess in base for steel support plate. all fixings to Engineer's/ manufacturers details and requirements; all in accordance with Architect's drawings and specifications; refer to Architect's drawing 4108 for further details					
	Composite items; wall & balustrade mounted to sides of stairs					
F	handrail	16	m			

	Description	Qty	Unit	Rate	€	c
	EL (34) STAIRS, RAMPS: COMPLETIONS (Cont'd)					
A	handrail; raking	57	m			
	Extra over for					
B	ends	16	nr			
C	bends	8	nr			
D	bends; straight to raking	17	nr			
	Handrail Type 2: (900mm high) 10 x 25mm continuous steel handrail support plate spanning between 10mm dia. solid steel brackets, welded to top of 50mm dia. circular steel posts at 1m centres. All of the above welded together prior to installation. All steel to be painted as noted on finishes plan. 1000mm dia ope cast into concrete stairs with post grouted in. Grout to be specified, supplied and installed by handrail supplier. Handrail to be 50mm diameter solid oak and varnish finish, with recess in bas for steel support plate. all fixings to Engineer's/ manufacturers details and requirements; all in accordance with Architect's drawings and specifications; refer to Architect's drawing 4108 for further details					
	Composite items; wall & balustrade mounted to sides of stairs					
E	handrail; raking	2	m			
	Extra over for					
F	ends	2	nr			
	WOODWORK					
	BOARDING AND SECOND FIXINGS					
	MDF cappping board to edge of concrete stairs beam; 22mm thick; drilled, counter sunk, plugged, screwed and flush pelleted; fix to concrete background at stairs edge detail; all in accordance with Architetcs drawings and specifications					
	Second fixings; (stairs edge)					
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (34) STAIRS, RAMPS: COMPLETIONS (Cont'd)					
A	width 245mm; refer to stairsGuarding rail type 2 on Architect's drawing 4108 for further details	18	m			
	PAINTING AND DECORATING					
	PAINTING					
	Sand down, dust off and prepare MDF surfaces, including recessed wrot softwood 10mm exposed edge to create shadow gap; apply one initial coat of Dulux Quick Drying Wood Primer or equal approved; apply two finishing coats of Dulux Easycare Satinwood or equal approved; as Spec M60					
	Second fixings					
B	girth not exceeding 300mm	18	m			
	Cleaning down; dusting off; Dulux or equivalent exterior grade metalwork paint; apply one undercoat/ primer and two finishing coats to balustrading; to Architect's choice of colour; all in accordance with manufacturer's instructions; all in accordance with Architect's drawings and specifications					
	Balustrades					
C	generally (Open type)	31	m2			

	Description	Qty	Unit	Rate	€	c
	EL (34) STAIRS, RAMPS: COMPLETIONS (Cont'd)					
	Decorative woodstain/ varnish/ preservative Description: Internal; Crown Trade, Translucent Woodstain - or equivalent to Architect's approval. Colour: Teak to approved sample and from at least a range of 4 to choose from. As standard. Finish: Semi-gloss. Composition: Pigment: Coloured pigments. Resin: Alkyd. Solvent: Dearomatised white spirit. Drying time: Recoatable after 16-24 hours under normal drying conditions. Coverage: Up to 15 m2/ litre on smooth surfaces. Wet film thickness: 66 micrometres at 15 m2/l. Dry film thickness: 29 micrometres at 15 m2/l. VOC Content: EU limit value for this product (cat A/e): 400 g/l (2010). This product contains max. 399 g/l VOC; all in accordance with manufacturer's instructions; all in accordance with Architect's drawings and specifications					
	Handrails					
A	generally	75	m			

To Collection €

Description	Qty	Unit	Rate	€	c
EL (34) STAIRS, RAMPS: COMPLETIONS (Cont'd)					
COLLECTION					
Page No. BQ/380					
Page No. BQ/381					
Page No. BQ/382					
Page No. BQ/383					
Page No. BQ/384					
EL (34) STAIRS, RAMPS: COMPLETIONS Carried to Summary					

	Description	Qty	Unit	Rate	€	c
	EL (35) SUSPENDED CEILINGS					
	INFORMATION					
A	The Contractor is advised that the Architect's, Structural and Services Engineer's Drawings and Specifications (Works Requirements) are all complimentary to each other and should be read in conjuntion with one another		Note			
B	Install all ceiling mounted services and fittings as indicated on reflected ceiling plans, room layout drawings and M&E Consultants drawings and specifications. Include for the provision of additional hangers, noggins, support boards etc where necessary to provide support for fittings		Note			
	WOODWORK					
	STRUCTURAL & FIRST FIXINGS					
	Graded Softwood; Grading standard: to BS 4978, BS EN 14081-1 or other national equivalent and so marked; Strength class to BS EN 338: as structural engineers specification; Treatment: preservative impregnation as section Z12 and wood preserving and damp proofing association commodity specification C8, service life: 40 years; Moisture content at time of erection: as clause 450; all in accordance with Architect's & Engineer's Drawings and Specifications					
	Carcassing					
C	cross- section 25mm x 50mm	12	m			
D	cross- section 57mm x 95mm	12	m			
	IRONMONGERY, ACESSORIES & SUNDRIES					
	Knauf fire-teK WM910 or equivalent non combustible cavity barrier located above ceiling where wall is not proposed. All opes in wall to be fully fire stopped where wall is proposed; all in accordance with manufactures instrcutions & architects drawings & specifications					
	Insulation					

	Description	Qty	Unit	Rate	€	c
	EL (35) SUSPENDED CEILINGS (Cont'd)					
A	900mm wide x 350mm high	17	m			
	FLOOR WALL AND CEILING FINISHINGS					
	SUSPENDED CEILINGS					
	BOARD FINISHES					
	220B Proprietary suspended ceiling system Type 5 generally as per Arch drawings 1221 &1222 Manufacturer: British Gypsum or equivalent. Suspension system: Hanger type: Gypframe MF8 strap hangers. Top fixings: Gypframe MF12 soffit cleats fixed to concrete soffit or metal deck. Primary grid centres: 1200 mm. Hanger centres: 900 mm. Secondary grid centres: 400 mm. Linings: 1 x 12.5 mm Gyproc WallBoard, Gyproc moistureproof green board where noted on RCP's and in a wet area. Insulation: none. Access Units: Gyproc Profilex access panels as clause 430. Finishing: Taped seamless finish. Primer/ Sealer: Type: 1 coat of Gyproc Drywall Primer (2 coats where noted as moistureproof green board. All in accordance with manufactures instructions and architects drawings and specifications					
	Ceilings (Type 5)					
B	average depth of suspension 0-500mm; to underside of concrete floor slab; (Mechanical & Electrical Services contained within void)	154	m2			
C	average depth of suspension 500-1000mm; to underside of roof; (Mechanical & Electrical Services contained within void)	51	m2			
D	average depth of suspension 1500-1500mm; to underside of roof; (Mechanical & Electrical Services contained within void)	11	m2			
E	average depth of suspension 500-1000mm; to underside of roof; In staircase areas	42	m2			

	Description	Qty	Unit	Rate	€	c
	EL (35) SUSPENDED CEILINGS (Cont'd)					
A	average depth of suspension 1500-1500mm; to underside of slopping roof; In staircase areas	24	m2			
B	average depth of suspension 0-500mm; to underside of concrete floor slab; (Perimetre of Type 1) (Mechanical & Electrical Services contained within void)	30	m2			
C	average depth of suspension 500-1000mm; to underside of concrete floor slab; (Perimetre of Type 1) (Mechanical & Electrical Services contained within void)	10	m2			
D	average depth of suspension 0-500mm; to underside of roof; (Perimetre of Type 1); (Mechanical & Electrical Services contained within void)	74	m2			
E	average depth of suspension 500-1000mm; to underside of roof; (Perimetre of Type 1); (Mechanical & Electrical Services contained within void)	61	m2			
F	average depth of suspension 1000-1500mm; to underside of sloping roof; (Perimetre of Type 1); (Mechanical & Electrical Services contained within void)	44	m2			
G	average depth of suspension 0-500mm; sloping to underside of sloping roof; >4m-6m high	45	m2			
	Extra over the above					
H	forming vertical upstands to roof finish at rooflights; Girth 1520mm; include for all framing, angles, trims and the like; all in accordance with Architect's drawings and specifications (Refer to Drg Nr 20057-OPP-01-RF-A-4107 for further details)	20	m			

	Description	Qty	Unit	Rate	€	c
	EL (35) SUSPENDED CEILINGS (Cont'd)					
A	forming slopping vertical upstands to roof finish at pitched rooflights; Girth 2860mm; include for all framing, angles, trims and the like; all in accordance with Architect's drawings and specifications (Refer to Drg Nr 20057-OPP-01-RF-A-4107 for further details)	8	m			
B	forming vertical upstands to roof finish at roof access hatch; Girth 1125mm; include for all framing, angles, trims and the like; all in accordance with Architect's drawings and specifications (Refer to Drg Nr 20057-OPP-01-RF-A-4106 for further details)	5	m			
C	forming vertical upstands to roof finish; Girth 1750mm; Sloping 6 degrees; include for all framing, angles, trims and the like; all in accordance with Architect's drawings and specifications (Sciene Lab, DCG, Genral Classroom 2 & 4)	51	m			
D	forming vertical upstands to locker areas; Girth 700mm include for all framing, angles, trims and the like; all in accordance with Architect's drawings and specifications	20	m			
E	forming vertical upstands to Protected Stairs Nr 2 areas; Girth 800mm include for all framing, angles, trims and the like; all in accordance with Architect's drawings and specifications	2	m			
F	forming vertical upstands to Protected Stairs Nr 2 areas; Girth 450mm include for all framing, angles, trims and the like; all in accordance with Architect's drawings and specifications	2	m			
G	forming vertical upstands to Void at Ground floor; Girth 850mm include for all framing, angles, trims and the like; all in accordance with Architect's drawings and specifications	11	m			

	Description	Qty	Unit	Rate	€	c
	EL (35) SUSPENDED CEILINGS (Cont'd)					
A	forming vertical upstands to Void at first floor; Girth 2560mm include for all framing, angles, trims and the like; all in accordance with Architect's drawings and specifications	6	m			
B	forming vertical upstands to void to water tank; Girth 1520mm; include for all framing, angles, trims and the like; all in accordance with Architect's drawings and specifications	3	m			
C	forming vertical upstands to protected stairs No.1; Girth 380mm; include for all framing, angles, trims and the like; all in accordance with Architect's drawings and specifications	5	m			
D	forming vertical upstands to perimeter of ceiling type 1; Girth 50mm; include for all framing, angles, trims and the like; all in accordance with Architect's drawings and specifications	247	m			
E	forming vertical upstands to perimeter of ceiling type 3; Girth 50mm; include for all framing, angles, trims and the like; all in accordance with Architect's drawings and specifications	147	m			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (35) SUSPENDED CEILINGS (Cont'd)					
	220C Proprietary suspended moisture proof ceiling system Type 6 generally as per rcp drawings 1221 & 1222 (A). Manufacturer: British Gypsum.- or equivalent. Suspension system: Hanger type: Gypframe MF8 strap hangers. Top fixings: Gypframe MF12 soffit cleats fixed to concrete soffit or metal deck. Primary grid centres: 1200 mm. Hanger centres: 900 mm. Secondary grid centres: 400 mm. Linings: 1 x 12.5 mm Gyproc moistureproof green board where noted on RCP's and in a wet area. Insulation: none. Access Units: Gyproc Profilex access panels as clause 430. Finishing: Taped seamless finish. Primer/ Sealer: Type: 1 coat of Gyproc Drywall Primer (2 coats where noted as moistureproof green board. Accessories : none. All in with manufactures instructions and in accordance with architects drawings and specifications					
	Ceilings (Type 6)					
A	average depth of suspension 500-1000mm; to underside of roof; (Mechanical & Electrical Services contained within void)	11	m2			
B	average depth of suspension 500-1000mm; to underside of concrete floor slab; (Mechanical & Electrical Services contained within void)	13	m2			

	Description	Qty	Unit	Rate	€	c
	EL (35) SUSPENDED CEILINGS (Cont'd)					
	Suspended gypsum board ceiling grids and trims; Product reference: Drywall Grid And Trim For Gypsum Board or equivalent. Arrangement: Centres between main runners: Submit proposals. Centres between cross tees: Submit proposals. Centres between main runners and secondary runners: Submit proposals. Allowable deflection for supplier proposal (maximum): Span/ 300. Suspension: Submit proposals. Grid: Faceted; Shortspan; and Standard. Visible trims: Perimeter: Not required. Transitional, flush: Not required. Colour: Armstrong global white. Accessories: None.					
	Accessories					
A	edge trims	15	m			
	220A Proprietary suspended ceiling system - Acoustic Plasterboard Ceiling Type 7. Refer to drg. nos.20057-OPP-01-00-DR-A-1221 & 1222 for locations. Manufacturer: British Gypsum - or equivalent. Hanger type: Gypframe MF8 strap hangers. Top fixings: Gypframe MF12 soffit cleats fixed to concrete soffit, as per manufacturers recommendations. Primary grid centres: 1000 mm. Hanger centres: 900 mm. Secondary grid centres: 330 mm. Linings: 12.5mm Gyptone Quattro 41 with Gyproc WallBoard surround. Insulation: incorporates accoustic fleece. Access Units: Gyproc Profilex access panels as clause 430 and as drawings. Finishing: Taped seamless finish. Primer/ Sealer: Type: 2 coats of Gyproc Drywall Sealer. Accessories : 25mm rockwool acoustic roll above. All in accordance with manufactures instructions and architects drawings and specifications					
	Ceilings (Type 7)					
B	average depth of suspension 500-1000mm; to underside of concrete floor slab; (Mechanical & Electrical Services contained within void)	78	m2			

	Description	Qty	Unit	Rate	€	c
	EL (35) SUSPENDED CEILINGS (Cont'd)					
A	average depth of suspension 500-1000mm; to underside of roof; (Mechanical & Electrical Services contained within void)	73	m2			
	Extra over the above for					
B	Connect shadow line angle trim all in accordance with manufactures instructions and architects drawings and specifications	103	m			
C	forming vertical upstands to roof finish at circular rooflights; Diametre 4560mm; girth 840mm include for all framing, angles, trims and the like; all in accordance with Architect's drawings and specifications (Refer to Drg Nr 20057-OPP-01-RF-A-4107 for further details)	4	Nr			
	220D Proprietary 60min fire rated suspended ceiling system Type 8 a. 60min fire rated ceiling to Boiler Room. Manufacturer: British Gypsum - or equivalent. Suspension system: Hanger type: Gypframe MF7 strap hangers. Top fixings: Gypframe MF12 soffit cleats fixed to metal deck. Primary grid centres: 1200 mm. Hanger centres: 900 mm. Secondary grid centres: 400 mm. Linings: 2 x 12.5 mm Gyproc Fireline Board. Insulation: none. Access Units: Gyproc Profilex FR1 access panels as clause 430. Finishing: Taped seamless finish. Primer/ Sealer: Type: 1 coat of Gyproc Drywall Primer. Accessories : none.. All in with manufactures instructions and in accordance with architects drawings and specifications					
	Ceilings (Type 8)					
D	average depth of suspension 0-500mm; to underside of concrete floor slab; (Mechanical & Electrical Services contained within void)	15	m2			
E	average depth of suspension 500-1000mm; to underside of concrete floor slab; (Mechanical & Electrical Services contained within void)	15	m2			

	Description	Qty	Unit	Rate	€	c
	EL (35) SUSPENDED CEILINGS (Cont'd)					
	Extra over for the above					
A	Connect angle trim all in accordance with manufactures instructions and architects drawings and specifications	33	m			
B	forming vertical upstands in boiler room; Girth 450mm; include for all framing, angles, trims and the like; all in accordance with Architect's drawings and specifications	5	m			
	Proprietary suspended ceiling system ceilings generally as per RCP's. 115A Ceiling tiles - Type 1 To Classrooms & Offices. Advantage E - 15mm; Manufacturer: Saint-Gobain Ecophon - or equivalent to Architect's approval. Tile size: 600 x 600 x15mm. Grid: Interlocking Connect T15 with adjustable hangers. Trims: Connect Angle. Colour: White 01. Accessories: Plasterboard surround. Connect Shadow line trim detail. All in accordance with manufactures instructions and architects drawings and specifications.					
	Ceilings (Type 1)					
C	average depth of suspension 0-500mm; to underside of concrete floor slab; (Mechanical & Electrical Services contained within void)	80	m2			
D	average depth of suspension 500-1000mm; to underside of concrete floor slab; (Mechanical & Electrical Services contained within void)	8	m2			
E	average depth of suspension 0-500mm; to underside of roof; (Mechanical & Electrical Services contained within void)	197	m2			
F	average depth of suspension 500-1000mm; to underside of roof; (Mechanical & Electrical Services contained within void)	77	m2			
G	average depth of suspension 0-500mm; to underside of slopping roof; (Mechanical & Electrical Services contained within void)	33	m2			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (35) SUSPENDED CEILINGS (Cont'd)					
A	average depth of suspension 1000-1500mm; to underside of slopping roof; (Mechanical & Electrical Services contained within void)	16	m2			
	Extra over for the above					
B	Connect shadow line angle trim all in accordance with manufactures instructions and architects drawings and specifications	315	m			
	Proprietary suspended ceiling system ceilings generally as per RCP's. 115B Clipped Ceiling tile system - Type 2. To WC's generally. Advantage E - 15mm Manufacturer: Saint-Gobain Ecophon- or equivalent to Architect's approval. Tile size: 600 x 600 x 15 mm. Grid: Interlocking Connect T15 with adjustable hangers. Trims: Connect Angle. Colour: White 01. Accessories: Connect Universal Clip 0083, Connect Shadow line trim detail. All in accordance with manufactures instructions and architects drawings and specifications.					
	Ceilings (Type 2)					
C	average depth of suspension 500-1000mm; to underside of concrete floor slab; (Mechanical & Electrical Services contained within void)	35	m2			
D	average depth of suspension 500-1000mm; to underside of roof; (Mechanical & Electrical Services contained within void)	13	m2			
	Extra over for the above					
E	Connect angle trim all in accordance with manufactures instructions and architects drawings and specifications	101	m			

	Description	Qty	Unit	Rate	€	c
	EL (35) SUSPENDED CEILINGS (Cont'd)					
	115C Ceiling tiles - Type 3 To corridors generally Manufacturer: Saint-Gobain Ecophon - or equivalent to Architect's approval. Size: 1200 x 600 x20mm. Edges: Primed. Grid: Ecophone Focus E T15. Type: Interlocking Connect T15 with adjustable hangers. Colour: White 01. Trims: Connect Angle. Accessories: Plasterboard surround. Connect Shadow line trim detail All in accordance with manufactures instructions and architects drawings and specifications.					
	Ceilings (Type 3)					
A	average depth of suspension 500-1000mm; to underside of concrete floor slab; (Mechanical & Electrical Services contained within void)	44	m2			
B	average depth of suspension 0-500mm; to underside of roof; (Mechanical & Electrical Services contained within void)	18	m2			
C	average depth of suspension 0-500mm; to underside of sloping roof; (Mechanical & Electrical Services contained within void)	30	m2			
	Extra over for the above					
D	Connect shadow line angle trim all in accordance with manufactures instructions and architects drawings and specifications	147	m			
	115D Ceiling tiles - Type 4. To SNU generally. Focus Ds 20mm .Manufacturer: Saint-Gobain Ecophon - or equivalent. Size: 600 x 600 mm. Edges: Primed. Grid: Ecophone Focus T24. Type: Interlocking Connect T15 with adjustable hangers. Colour: White 01. Trims: Connect Angle. Accessories: Connect Shadow line trim detaill All in accordance with manufactures instructions and architects drawings and specifications.					
	Ceilings (Type 4)					

	Description	Qty	Unit	Rate	€	c
	EL (35) SUSPENDED CEILINGS (Cont'd)					
A	average depth of suspension 0-500mm; to underside of concrete floor slab; (Mechanical & Electrical Services contained within void)	273	m2			
B	average depth of suspension 500-1000mm; to underside of concrete floor slab; (Mechanical & Electrical Services contained within void)	59	m2			
	Extra over for the above					
C	Connect angle trim all in accordance with manufactures instructions and architects drawings and specifications	264	m			
	Gyptone or equivalent access hatch or equivalent in perforated plasterboard; cordinating and integrated product to match perforated plasterboard pattern; including all frame, ironmongery and supports; all installations to manufacturers instructions and recommendations and with Architects Drawings and Specifications					
	Access Panels					
D	600 x 600mm	20	nr			
	PAINTING AND DECORATING					
	PAINTING					
	Cleaning down; dusting off; Manufacturer: Dulux trade Diamond Matt or equivalent (water based tough Scrubbable Matt emulsion); to plasterboard ceilings; Preparation: Tape and fill joints; Initial coats: 40% thinned primer.Thinning Sealing new or bare surfaces: Add up to 1 part clean water to 10 parts paint, Number of coats: 2; Undercoats: As recommended by manufacturer; Number of coats: As recommended by manufacturer; Finishing coats: Washable matt vinyl - Number of coats: 2; to Architects choice of colour; all installations in accordance with manufacturers instructions					
	Ceilings					

	Description	Qty	Unit	Rate	€	c
	EL (35) SUSPENDED CEILINGS (Cont'd)					
A	< or = 300mm wide; Upstands	29	m2			
B	>300mm wide	312	m2			
C	>300mm wide (in staircase areas)	42	m2			
D	>300mm wide; slopping (in staircase areas)	24	m2			
E	> 300mm wide ; sloping; to underside of sloping roof	119	m2			
F	>300mm wide; sloping; >4m-6m high	40	m2			
G	> 300mm wide; Upstands	194	m2			
	EXTERNAL CEILING					
	WOODWORK					
	IRONMONGERY, ACCESSORIES AND SUNDRIES					
	Insulation: Xtratherm Thin-R XT/CW T&G board, comprising a rigid Polyisocyanurate (PIR) core between low emissivity foil facings - or equivalent to Architects approval. Recycled content: Not applicable. Thickness (nominal): 100mm. Thermal conductivity: 0.022 W/mK, Accessories: All vertical and horizontal joints taped with reinforced aluminium foil/polythylene venture tape, Insulation fixed with proprietary fixings to underside of concrete floor slab, fixed in accordance with the manufacturer's instructions; refer to architects drawing 4103 detail 4 "soffit detail" for further details & requirments					
	Insulation					
H	thermal; horizontal	79	m2			
I	thermal; vertical	12	m2			

	Description	Qty	Unit	Rate	€	c
	EL (35) SUSPENDED CEILINGS (Cont'd)					
	FLOOR WALL AND CEILING FINISHINGS					
	SUSPENDED CEILINGS					
	BOARD FINISHES					
	Selected colour/finished STO direct-applied exterior finish system (DEFS) made up of sto sheathing, reinforced mesh (sto mesh), basecoat (sto BTS Plus), primer; StoPrime Sand or equivalent to architects approval and Stolit 1.0 Finish applied to 12mm 800x1200 stoventec RSC carrier boards suspended from NVELOPE NV1 hanger system (Adjustment 92mm-132mm and 302mm-342mm). All in accordance with manufactures instructions and architects & engineers drawings and specifications; refer to architects drawing 4103 detail 4 "soffit detail" for further details & requirments					
	Ceilings					
A	average depth of suspension 500-1000mm; to underside of concrete floor slab	79	m2			
	Gyptone or equivalent access hatch or equivalent in perforated plasterboard; cordinating and integrated product to match perforated plasterboard pattern; including all frame, ironmongery and supports; all installations to manufacturers instructions and recommendations and with Architects Drawings and Specifications					
	Access Panels					
B	600 x 600mm	7	nr			

Description	Qty	Unit	Rate	€	c
EL (35) SUSPENDED CEILINGS (Cont'd)					
COLLECTION					
Page No. BQ/386					
Page No. BQ/387					
Page No. BQ/388					
Page No. BQ/389					
Page No. BQ/390					
Page No. BQ/391					
Page No. BQ/392					
Page No. BQ/393					
Page No. BQ/394					
Page No. BQ/395					
Page No. BQ/396					
Page No. BQ/397					
Page No. BQ/398					
Page No. BQ/399					
EL (35) SUSPENDED CEILINGS Carried to Summary					

	Description	Qty	Unit	Rate	€	c
	EL (37) ROOF: COMPLETIONS					
	INFORMATION					
	1. The Contractor is advised that the Architect's, Structural and Services Engineer's Drawings and Specifications (Works Requirements) are all complimentary to each other and should be read in conjuntion with one another.		Note			
	2. The Contractor shall refer to the Drawings and Specifications included in the Works Requirements, Volume A.		Note			
	PREAMBLES					
	The Contractor's rates for permanent fixed access ladders and fall arrest fittings/equipment shall be deemed to include for all requirements of Architect's Specification Clauses.		Note			
	BRICKWORK/BLOCKWORK					
	BLOCKWORK					
	Concrete Common Blockwork to External Walls; Blocks: To BS EN 771-3; Manufacturer: Contractor's choice; Product reference: Contractor's choice; Configuration: Group 1; Compressive strength: Mean value: 7.5N/mm2; Characteristic value: 7.5N/mm2; Category: I; Freeze/ Thaw resistance: Suitable for exposed external use below dpc; Thermal properties: N/A; Recycled content: Contractor's choice; Work sizes (length x width x height): 440 x 215 x 215 mm; Tolerance category: D2; Special shapes: Half sizes; Additional requirements: Reaction to fire class: A1; Mortar: Min. M4, As section Z21; Standard: To BS EN 998-2; Mix: 1:1:6 cement:lime:sand; 10mm joints; bedding, jointing & bucket handle pointing; Additional requirements: Durability: Freeze/ thaw resistance: Suitable for exposed external use below dpc; Bond: Block on flat; all installations in accordance with Architects drawings & specifications					
	Walls; common blockwork					
A	thickness 215mm (Block on flat)	2	m2			

	Description	Qty	Unit	Rate	€	c
	EL (37) ROOF: COMPLETIONS (Cont'd)					
	Rough and fair cutting; fair vertical internal and external angles; raking out joints to form key; returns, ends, angles and the like; labour in eaves filling; building in ends; including any other necessary labours on blockwork					
	Labours; on common blockwork					
A	215mm thick		Item			

	Description	Qty	Unit	Rate	€	c
	EL (37) ROOF: COMPLETIONS (Cont'd)					
	METALWORK					
	ROOF ACCESS HATCHS					
	Surespan Standard Roof Hatch Thermally Broken SRHP75 or equivalent roof access hatch; format: 750 x 1500mm; Operation, Mode: Gas springs - manual, Control: Gas spring assisted: manual opening, designed to be opened smoothly and easily with secure stay hold-open arm; Accessories: Extended skirt liner; Fixed external handhold; Retractable handhold. SureGuard hand railing with self-closing gate; Insulation: 75 mm PIR HCFC and CFC free polyisocyanurate; Upstand: 200 mm thermally broken and insulated; Locking options: L07 European deadlock with internal and external key operation; Cover: Fully insulated kerb and lid as specified, corner welded and reinforced; Seal: Unbroken double seal to lid; FireRating: Available up to 240 minutes; Acoustic Rating: Available up to 45 dB; Retractable ladder: ZIP8; Fixed backboard: ZIP-BB-C to suit a void depth of 1030 mm up to 1330 mm; Operation: Gas spring assisted manual opening, designed to be opened smoothly and easily with secure stay hold-open arm; Curb: 300 mm in height with external curb liner, thermal break and insulation as specified; include for all framing, sealants and all other like items necessary to complete installation; all installations in accordance with Architects drawings and specifications; refer to Architect drawing 4106 'Roof Access Hatch Detail' for further details and requirements					
	Composite items; Roof Access Hatch					
A	750mm x 1500mm (roof access hatch)	2	nr			

	Description	Qty	Unit	Rate	€	c
	EL (37) ROOF: COMPLETIONS (Cont'd)					
	Retractable ladder; Surespan ZIP or equivalent retractable ladder, type ZIP8 or equivalent to suit ceiling height 3091-3390mm; including telescopic handrail to both sides of the ladder; all installations in accordance with manufacturers instructions and details; all in accordance with Architects drawings and specifications; refer to Architects drawing 6001 & 4106 for further details and requirements					
	Composite items; Retractable Ladder					
A	generally (roof access hatch)	2	nr			
B	generally (water tank access hatch)	1	nr			
	Surespan or equivalent 4 No. wall mounted rungs; rungs to be at 240mm centres vertically; rungs to be 120mm wide threads miniumum;wall mounted rungs to be fixed to strucutural steel/timber members; including for all fixings, selaants, weathering and all other like items necessary to complete installation; all installations in accordance with manufacturers instructions and details; all in accordance with Architects drawings and specifications; refer to Architects drawing 4106 for further details and requirements					
	Composite items; wall mounted rungs					
C	generally; 4nr rungs 960mm high above rectacable ladder (roof access hatches)	2	nr			
D	generally; 2nr rungs 480mm high above rectacable ladder (water tank access hatches)	1	nr			
	Extra over for					
E	forming step to roof level as detailed; refer to Architects drawing 4106 for further details and requirements (roof access hatch)	2	nr			

	Description	Qty	Unit	Rate	€	c
	EL (37) ROOF: COMPLETIONS (Cont'd)					
A	forming step to roof level as detailed; refer to Architects drawing 4106 for further details and requirements (water tank access hatch)	1	nr			
	NON-STRUCTURAL					
	Handrails to roof access hatch; 40mm diameter galvanised PPC aluminum tubing fixed to metal checkered plate; fixings in accordance with manufacturers recommendations and guidelines; included for all associated weathering and pads etc. as necessary with roof finish; all installations and fixings in accordance with the manufacturer's instructions; all in accordance with the Architect's drawings and specifications; refer to Architects drawing 4106 ' Detail 1 - Roof Access Hatch Detail' for further details and requirements					
	Composite Items					
B	handrails (roof access hatch)	6	m			
C	handrails (water tank access hatch)	4	m			
	Extra over for					
D	ends (roof access hatch)	4	nr			
E	ends (water tank access hatch)	2	nr			
	Surespan or equivalent two sided guardrail; Component material and finish as delivered; Guarding: Low carbon steel - galvanized; Handrails: Low carbon steel - nylon coated; Fixing: Floor fixed in tank room. Ballasted on roof; Centres: Manufacturers recommendations; including all associated weathering & pads etc. as necessary eith roof finish; all installations and fixings in accordance with the manufacturer's instructions; all in accordance with the Architect's drawings and specifications; refer to Architects drawing 4106 ' Detail 1 - Roof Access Hatch Detail' for further details and requirements					
	Composite Items					

	Description	Qty	Unit	Rate	€	c
	EL (37) ROOF: COMPLETIONS (Cont'd)					
A	like items; 1100mm high & 1500mm long; water tank access hatch	1	nr			
	Surespan or equivalent three sided guardrail; Component material and finish as delivered; Guarding: Low carbon steel - galvanized; Handrails: Low carbon steel - nylon coated; Fixing: Floor fixed in tank room. Ballasted on roof; Centres: Manufacturers recommendations; including all associated weathering & pads etc. as necessary eith roof finish; all installations and fixings in accordance with the manufacturer's instructions; all in accordance with the Architect's drawings and specifications; refer to Architects drawing 4106 ' Detail 1 - Roof Access Hatch Detail' for further details and requirements					
	Composite Items					
B	like items; 1100mm high; rooflight type D; 1150mm wide x 1900mm long	2	nr			
	ROOFLIGHTS					
C	It is the responsibility of the Contractor to confirm all requirements relating to rapid ventilation, background ventilation, actuators, technical guidance document part K, Daylighting factors. Thermal transmittance and all other requirements referred to in performance specification		Note			
D	The Contractor shall refer to the Architects specification for further information in relation to design requirements		Note			

	Description	Qty	Unit	Rate	€	c
	EL (37) ROOF: COMPLETIONS (Cont'd)					
	Rooflights; structural bonded steel rooflight, APA TB50SG or equivalent system; Type: Rectangular; Frame: Aluminium; Finish: Ral 7016, Colour: Ral 7016; Kerb: Galvanized steel; Glazing details: double glazed toughened laminate units to achieve u-value of 1.5K/w2k; system will consist of prefabricated skylights, including profiles, soaker trays around roof lights, panes & flashings; Roof pitch: As drawing; include for forming upsatand, cover slips, sealing, dividing strips, inserts, lugs, brackets, expanding foam to fill gaps and weathering/ sealing as necessary; all in accordance with manufacturers, design, drawings and specifications to meet Architect's specifications; refer to Architects drawing 6001 & 4107 and specification for further information and requirements					
	Rooflights (single)					
A	1600mm x 2900mm; Type A - 1200mm x 2500mm internal dimensions (flat roof)	1	nr			
B	1600mm x 2900mm; Type A - 1200mm x 2500mm internal dimensions (pitched roof)	1	nr			
C	1300mm x 1300mm; Type B - 900mm x 900mm internal dimensions (flat roof)	2	nr			
D	1000mm x 3400mm; Type C - 600mm x 3000mm internal dimensions (flat roof)	1	nr			
E	1600mm diameter; Type E - 1350mm internal diameter (flat roof)	4	nr			
	Extra over for					
F	siga fentrim 330 grey or equivalent airtightness tape; to be installed around rooflight/access hatches perimeters; all installations in accordance with manufacturers instructions; all in accordance with Architect's drawings and specifications; refer to Architect drawing 4107 Detail 1 & 2 for further details and requirements	66	m			

	Description	Qty	Unit	Rate	€	c
	EL (37) ROOF: COMPLETIONS (Cont'd)					
A	2mm powder coated aluminium bespoke made soaker tray to rooflight upstands, soaker tray to extend a minimum 150mm under roof standing seam at top of rooflight and standing seam to be cut back to allow for sokaer tray to lap over roof finish; include for 300mm thick rigid insulation below soaker tray for support; all installations in accordance with manufacturers instructions; all in accordance with Architects drawings and specifications; refer to Architect drawing 4107 Detail 2 'Rooflight Pitch Detail' for further details and requirements	10	m			
	ROOFCOWLS					
B	Notwithstanding the provision of ARM 4 the roofcowls are measured as a composite item and is deemed to include for forming the opening, all framing members, all necessary fabrication, framing, welding, drilling, steel finishing, fixings and finishing to complete installations		note			
	Proprietary roofcowls; Contractor to supply and fit roofcowls to flat roof areas as indicated on Architect drawing 1204; contractor is to include for forming opening; include for all upstands, flashing forming openings, framing members and all other like itmes necessary to complete installation; all installations in accordance with manufacturers written instructions; all in accordance with Architects, Engineers and Services Engineers drawings and specifications					
	Roofcowls					
C	proprietary roof cowl	6	nr			

	Description	Qty	Unit	Rate	€	c
	EL (37) ROOF: COMPLETIONS (Cont'd)					
	STRUCTURAL					
	STEELWORK					
A	Design intent for contractor design portion is shown for secondary steel supports to railings, Size and fixings of members shown is indicative and must be verified through design calculations by the Main contractor or their specialist railing subcontractor. Sd, Si, Sc and Css/Cs Ancillary Certification required.		item			
B	Design intent for contractor design portion is shown for secondary steel supports to windows, Size and fixings of members shown is indicative and must be verified through design calculations by the Main contractor or their specialist window subcontractor. Sd, Si, Sc and Css/Cs Ancillary Certification required.		item			
C	Contractor to undertake final as built survey prior to fabrication of any steelwork		Item			
D	All steel connections between concrete and steel and steel to steel to be designed by Contractor. Refer to Engineers drawings and specifications for further details		Item			
	Structural steelwork, hot rolled general steel sections and plates to BSEN10025-2; steel grade S335; bolts to be grade 8.8 unless noted otherwise; all welds to be 6mm CFW unless noted otherwise; all in accordance with Engineer's drawings and specifications					
	Fabricated members; beams					
E	120 x 80 x 6.3 RHS < or = 25Kg/m (roof lights)	1.20	t			
F	120 x 80 x 6.3 RHS < or = 25Kg/m (access hatches)	0.60	t			
G	150 x 50 PFC; < or = 25Kg/m (access hatches)	0.30	t			
	Fabricated members; stanchions; stub columns; not exceeding 25kg/m					

	Description	Qty	Unit	Rate	€	c
	EL (37) ROOF: COMPLETIONS (Cont'd)					
A	100 x 50 PFC stub; < or = 25Kg/m (access hatches)	0.30	t			
B	150 x 90 PFC stub; < or = 25Kg/m (access hatches)	0.30	t			
	Fabricated members; bracings; not exceeding 25kg/m					
C	50 x 50 x 5 angle; < or = 25Kg/m (access hatches)	0.30	t			
D	fittings	0.30	t			
	Extra over for					
	Zinc phosphate primer coat and micaceous iron oxide top coat protective paint finish to steelwork; prepare surfaces by blast cleaning to grade SA2.5; apply 1nr 60 micron DFT primer coat of 2-pack epoxy zinc phosphate; apply 1nr 75 micron DFT sealer top coat of micaceous iron oxide; all in accordance with Architect's/ Engineer's drawings and specifications					
	Protective coatings; applied off site					
E	beams	3.30	t			
	Galvanising to BSEN.ISO.1461; minimum average coating thickness 85 microns; prepare surfaces by blast cleaning to BS.EN.8501-1, primer as specified, preparation grade SA2.5 using chilled angular iron grit grade 24 to give coarse surface profile, followed by chemical cleaning; all in accordance with Engineer's drawings and specifications					
	Protective coatings; applied off site					
F	beams	3.30	t			

	Description	Qty	Unit	Rate	€	c
	EL (37) ROOF: COMPLETIONS (Cont'd)					
	METALWORK					
	NON STRUCTURAL					
	Galvansied steel step and big foot support system; 450mm high galvansied steel; steel steps to be supported and fixed to big foot system; include for all necessary fixings, connections, sealants, drilling, plates and all other like items necessary to complete the works; system to be installed on existing flat roof structure; making good all works and finishes disturbed on eixsting roof structure/finishes; all installations in accordance with manufacturers written instructions; all in accordance with Architects adrawings and specifications; refer to Architect drawings 1203, 1211 & 1212 for further details and requirements					
	Roof Step Over					
A	generally; size 450mm high x 1950mm wide x 2100mm long	1	nr			
	FITTINGS					
	FITTING, EQUIPMENT AND FURNITURE					
	2000mm high self supporting PPC aluminium continous louvre system; System to protect MVHR Compound on existing roof slab; system to be fixed down to concrete roof slab; Colour: Dark Grey; all roof finish penetratiosn to be sealed and weathered with all necessary flashings and sealants as necessary and in accordance with manufacturers written instructions; include for forming holes/ connections in existing roof slab and making good all existing finishes disturbed on completion; all installations in accordance with manufacturers written instructions; all in accordance with Architects adrawings and specifications; refer to Architect drawings 1203, 1211 & 1212 for further details and requirements					
	Fittings; special purpose					

	Description	Qty	Unit	Rate	€	c
	EL (37) ROOF: COMPLETIONS (Cont'd)					
A	2000mm high x 2000mm wide x 6800mm long	1	nr			
B	The design illustrated here shows an approximate location of the cable. A detail design is to be provided by the appointed sub contractor at construction stage for design team approval & co-ordination. The specialist contractor must carry P.I. insurance & are responsible for the final design & installation.		Item			
	Rails or protective guards; wire perimeter fall arrest cable system; Proprietary Skyway Fall Arrest System or equivalent with connect hooks at Access Points to Manufacturers Details; designed to BS 7883 and EN 795 supported by posts fixed to metal deck roof/ steel structure; all necessary upstands and weathering with flat roofing to be included for; cables to be continuous around corners; all ends, tensioners, intermediate and end brackets to be stainless steel; on top fix posts provide flashing kits to fit over the posts to be sealed and weathered by the roofing contractor (include for all weathering costs in rate); all in accordance with the manufacturer's instructions and Architects specification					
	Equipment					
C	generally; flat roof (Fall Arrest System)	115	m			
D	generally; pitched roof (Fall Arrest System)	10	m			
	Extra over for					
E	anchor posts		Item			
F	connector plates		Item			
G	turnbuckle / swage		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (37) ROOF: COMPLETIONS (Cont'd)					
	PERSONAL FALL PROTECTION EQUIPMENT					
	Provide the following personal fall protection equipment as part of the overall roof fall arrest system; for storage on site and use by trained personnel only; all in accordance with Architect's drawings and specifications					
	Special purpose equipment; fall arrest					
A	full body harness	2	nr			
B	standard 2m long shock absorbing lanyard	2	nr			
C	10m long rope and grabs	2	nr			
D	cable shuttles	2	nr			
E	suitable PFPE storage hold-all	2	nr			

Description	Qty	Unit	Rate	€	c
EL (37) ROOF: COMPLETIONS (Cont'd)					
COLLECTION					
Page No. BQ/401					
Page No. BQ/402					
Page No. BQ/403					
Page No. BQ/404					
Page No. BQ/405					
Page No. BQ/406					
Page No. BQ/407					
Page No. BQ/408					
Page No. BQ/409					
Page No. BQ/410					
Page No. BQ/411					
Page No. BQ/412					
Page No. BQ/413					
EL (37) ROOF: COMPLETIONS **Carried to Summary**					

	Description	Qty	Unit	Rate	€	c
	EL (41) EXTERNAL WALL FINISHES					
	INFORMATION					
	1. The Contractor is advised that the Architect's, Structural and Services Engineer's Drawings and Specifications (Works Requirements) are all complimentary to each other and should be read in conjuntion with one another.		Note			
	2. The Contractor shall refer to the Drawings and Specifications included in the Works Requirements, Volume A.		Note			
	WALL FINISHINGS					
	IN-SITU FINISHES					
	Surface coating resins to External Columns - Resin, Colour: Orange. Sheen: Manufacturer's standard. Aggregate colour: Manufacturer's standard (where applicable). Additional finish: Paint to External concrete seat. Composition: MicroConcrete powder, liquid concentrate/ water, water-based sealer, and acrylic wax or RESIFAN PU K14. Mix: 2.8-3.2:1 (MicroCement powder: Liquid concentrate/ water). Overall thickness: 3-5 mm. all instalaltions in accordance with Architects drawings and specifcations					
	Cast insitu concrete bench					
A	width exceeding 300mm; horizontal and vertical to concrete cill/ seat detail; (refer to Engineers Drg 4001-Detail 15 for further details and requirements)	14	m2			

	Description	Qty	Unit	Rate	€	c
	EL (41) EXTERNAL WALL FINISHES (Cont'd)					
	Surface coating resins to External Columns - Resin, Colour: Cement Grey. Sheen: Manufacturer's standard. Aggregate colour: Manufacturer's standard (where applicable). Additional finish: Paint to External Columns. Composition: MicroConcrete powder, liquid concentrate/ water, water-based sealer, and acrylic wax or RESIFAN PU K14. Mix: 2.8-3.2:1 (MicroCement powder: Liquid concentrate/ water). Overall thickness: 3-5 mm. all instalaltions in accordance with Architects drawings and specifcations					
	Columns					
A	width exceeding 300mm (Flared column)	29	m2			
	External render. Substrate: cement board. Preparation: Spatterdash keying coat Cement: Type: Ready-to-use mortar or ready-mixed lime:sand. Pigment: Not required. Undercoats; Mix (cement:lime:sand): 1:1:5-6 (where final coat trowelled) Cement type: Contractor's choice. Thickness (excluding dubbing out and keys): First coat 8-12 mm (exclusive of keys) and second coat 6-10 mm. Final coat. Mix (cement:lime:sand): 1:0.5:4-4.5; Cement type: White Portland. Other requirements: Screen sand through 3 mm mesh sieve. Thickness: 6-8 mm. Finish: Varies. Combination of Nap & smooth, - Refer to elevation drawings. Sample panels to be erected on site for Architect's approval. Accessories: Stainless steel beads and Alkaline resistance render mesh to all corners to opes. all instalaltions in accordance with Architects drawings and specifcations					
	Walls; 20mm thick render					
B	width over 300mm	34	m2			

	Description	Qty	Unit	Rate	€	c
	EL (41) EXTERNAL WALL FINISHES (Cont'd)					
	External render. Substrate: Concrete blockwork, as section F10. Preparation: Spatterdash keying coat Cement: Type: Ready-to-use mortar or ready-mixed lime:sand. Pigment: Not required. Undercoats; Mix (cement:lime:sand): 1:1:5-6 (where final coat trowelled) Cement type: Contractor's choice. Thickness (excluding dubbing out and keys): First coat 8-12 mm (exclusive of keys) and second coat 6-10 mm. Final coat. Mix (cement:lime:sand): 1:0.5:4-4.5; Cement type: White Portland. Other requirements: Screen sand through 3 mm mesh sieve. Thickness: 6-8 mm. Finish: Varies. Combination of Nap & smooth, - Refer to elevation drawings. Sample panels to be erected on site for Architect's approval. Accessories: Stainless steel beads and Alkaline resistance render mesh to all corners to opes. all instalaltions in accordance with Architects drawings and specifcations					
	Walls; 20mm thick render					
A	width not exceeding 300mm	45	m2			
B	width over 300mm	625	m2			
	Beading; stainless steel beading; all in accordance with plaster manufacturer's recommendations; form detail and beading as required; all installations in accordance with manufacturers instructions; all in accordance with Architect's drawings and specifications					
	Sundries					
C	galvanised stainless steel angle bead; corners	55	m			
D	galvanised stainless steel angle bead to reveals	330	m			
E	galvanised stainless steel stop bead to reveals	330	m			
F	galvanised stainless steel stop bead at parapet/ eaves/ gables of roof	112	m			

	Description	Qty	Unit	Rate	€	c
	EL (41) EXTERNAL WALL FINISHES (Cont'd)					
A	galvanised stainless steel stop bead at interface with facing cladding	245	m			
B	galvanised stainless steel stop bead at interface with downpipe	30	m			
	Ceresit Ceretherm Popular (or equivalent) through colour reinforced acrylic render system. Colour: Dark Grey. all in accordance with Manufacturers instructions; all in accordance with Architects drawings and specifcations					
	Walls; 20mm thick render					
C	width not exceeding 300mm	4	m2			
D	width over 300mm	235	m2			
	Beading; stainless steel beading; all in accordance with plaster manufacturer's recommendations; form detail and beading as required; all installations in accordance with manufacturers instructions; all in accordance with Architect's drawings and specifications					
	Sundries					
E	galvanised stainless steel angle bead; corners	22	m			
F	galvanised stainless steel angle bead to reveals	31	m			
G	galvanised stainless steel stop bead to reveals	31	m			
H	galvanised stainless steel stop bead at parapet/ eaves/ gables of roof	135	m			
I	galvanised stainless steel stop bead at interface with roof finish	92	m			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (41) EXTERNAL WALL FINISHES (Cont'd)					
	BOARD FINISHES					
A	20mm cement board meachanically fixed to 6mm galvanised steel brackets at 600mm centres; all installations in accordance with manufacturers instructions; all in accordance with Architect's drawings and specifications refer to architects drawing 4104 detail 5	32	m2			
	PAINTING AND DECORATING					
	EXTERNAL PAINTING					
	Keim or equivalent grantial system mineral silicate, emulsion paint to rendered walls. 1 No base coat a Keim Granital diluted. 2 no. top coats Keim grantial. Colour light grey; all in accordance with Manufacturers instructions; all in accordance with Architects drawings and specifcations					
	Walls					
B	not exceeding 300mm wide (reveals)	31	m2			
C	exceeding 300mm wide	519	m2			
	Keim (or equivalent) granital system mineral silicate emulsion paint to rendered walls. 1no. base coat a Keim granital diluted. 2no. top coats Keim granital. Colour: Orange; all in accordance with Manufacturers instructions; all in accordance with Architects drawings and specifcations					
	Walls					
D	not exceeding 300mm wide (reveals)	14	m2			
E	exceeding 300mm wide	48	m2			

	Description	Qty	Unit	Rate	€	c
	EL (41) EXTERNAL WALL FINISHES (Cont'd)					
	Keim (or equivalent) granital system mineral silicate emulsion paint to rendered walls. 1no. base coat a Keim granital diluted. 2no. top coats Keim granital. Colour: Dark Grey; all in accordance with Manufacturers instructions; all in accordance with Architects drawings and specifcations					
	Walls					
A	exceeding 300mm wide	30	m2			
	Cutting to line in multi-coloured work					
B	straight	119	m			

Description	Qty	Unit	Rate	€	c
EL (41) EXTERNAL WALL FINISHES (Cont'd)					
COLLECTION					
Page No. BQ/415					
Page No. BQ/416					
Page No. BQ/417					
Page No. BQ/418					
Page No. BQ/419					
Page No. BQ/420					
EL (41) EXTERNAL WALL FINISHES **Carried to Summary**					

	Description	Qty	Unit	Rate	€	c
	EL (42) INTERNAL WALL FINISHES					
	INFORMATION					
A	The Contractor is advised that the Architect's, Structural and Services Engineer's Drawings and Specifications (Works Requirements) are all complimentary to each other and should be read in conjuntion with one another		Note			
	FLOOR WALL AND CEILING FINISHINGS					
	FINISHINGS					
	IN - SITU FINISHES					
B	Plastering to comply with BS 8000:Part 10:1986 for workmanship		note			
	Internal plaster to inner face of external wall and all SNU areas. Substrate: Concrete blockwork, as section F10. Preparation: Spatterdash keying coat. Cement: Type: Ready-to-use mortar or ready-mixed lime:sand. Pigment: Not required. Undercoats Mix (cement:lime:sand): 1:1:5-6 (where final coat trowelled). Cement type: Contractor's choice. Thickness (excluding dubbing out and keys): First coat 8-12 mm (exclusive of keys) and second coat 6-10 mm. Final coat; Mix (cement:lime:sand): 1:0.5:4-4.5. Cement type: Contractor's choice. Other requirements: Screen sand through 3 mm mesh sieve. Thickness: 6-8 mm. Finish: Plain. Accessories: Stops and beads; all in accordance with manufacturers instructions; all in accordance with Architects drawings and specifcations					
	Walls					
C	not exceeding 300mm wide	58	m2			
D	exceeding 300mm wide	1,013	m2			

	Description	Qty	Unit	Rate	€	c
	EL (42) INTERNAL WALL FINISHES (Cont'd)					
	Galvanised steel beading to BS EN 13658-1 include for, fixing to masonry wall and other like items; in accordance with manufacturer's instructions and Architects drawings and specifications					
	Sundries; beads					
A	stop bead	151	m			
B	angle bead	174	m			
	Internal plaster to insitu concrete walls. Wall Type 9&10. Substrate: Insitu Concrete. Preparation: Submit proposals - Concrete finish to be suitable to receive plaster finish and have layer of Thistle Bond-it applied. Cement: Type: Ready-to-use mortar or ready-mixed lime:sand. Pigment: Not required. Undercoats; Mix (cement:lime:sand): 1:1:5-6 (where final coat trowelled). Cement type: Contractor's choice. Thickness (excluding dubbing out and keys): First coat 8-12 mm (exclusive of keys) and second coat 6-10 mm. Final coat Mix (cement:lime:sand): 1:0.5:4-4.5. Cement type: Contractor's choice. Other requirements: Screen sand through 3 mm mesh sieve. Thickness: 6-8 mm. Finish: Plain. Accessories: Stops and beads all in accordance with manufacturers instructions; all in accordance with Architects drawings and specifcations					
	Walls (Insitu walls)					
C	not exceeding 300mm wide	127	m2			
D	exceeding 300mm wide	807	m2			
	Galvanised steel beading to BS EN 13658-1 include for, fixing to RC concrete and other like items; in accordance with manufacturer's instructions and Architects drawings and specifications					
	Sundries; beads					
E	stop bead	515	m			
F	angle bead	529	m			

	Description	Qty	Unit	Rate	€	c
	EL (42) INTERNAL WALL FINISHES (Cont'd)					
	TILE, SLAB AND MOSAIC FINISHES					
A	Prior to ordering tiles, obtain and submit to the Architect for approval, representative samples of the tiles selected by the Architect. Ensure that the delivered tiles match approved samples. Lay an area of the specified tiles in a location agreed with the Architect and obtain his approval to the sample area before proceeding. Ensure that all subsequently laid coverings match the approved sample		Item			
B	Contactor to price for fixing tiles and include for all waterproof adhesive, waterproof grout, trims, fixings and labour. Include for installation within price		Note			
	Tiling to Splashbacks - Full width and 3 tiles high. Tiles: Ceramic. Manufacturer/ Supplier: Ceramica Vogue - or equivalent to Architect's approval. Colour: RAL 7047 Colours may vary but not White. Finish: Satin. Size: 100x100. Thickness: 7mm min. Slip potential; Slip resistance value (SRV) (minimum)/ Pendulum test value (PTV) (minimum) to BS 7976-1, -2, -3 or BS EN 14231 (natural stone only): Not applicable. Surface roughness (Rz) (minimum) to BS 1134: Manufacturer's standard. SlipSTD class: Manufacturer's standard. Recycled content: Not applicable. Background/ Base: Calcium sulfate based screed M13/110. Preparation: Smoothing underlayment, as clause 460. Intermediate substrate: Not required. Bedding: Adhesive bed - notched trowel method, as clause 710. Reinforcement: Not applicable. Adhesive to BS EN 12004: Contractor's choice. Joint width: 2 mm. Grout: Cement:lime:sand, as clause 865. Type/ classification: CG1. Admixture: None. Movement joints: N/A. Accessories: corner and top square mill finish aluminum proprietary tile trims all in accordance with Architect's drawings and specifications					
	Walls (Splashbacks)					

	Description	Qty	Unit	Rate	€	c
	EL (42) INTERNAL WALL FINISHES (Cont'd)					
A	width < or = 300mm (reveals)	2	m2			
B	width > 300mm	18	m2			
	Tiling to Shower Areas; Tiles: Ceramic. Manufacturer/ Supplier: Ceramica Vogue. Product reference: Interni Range. Colour: Lilla RAL 7047. Finish: Satin. Size: 100x200. Thickness: 7mm min. Slip potential: Slip resistance value (SRV) (minimum)/ Pendulum test value (PTV) (minimum) to BS 7976-1, -2, -3 or BS EN 14231 (natural stone only): Not applicable. Surface roughness (Rz) (minimum) to BS 1134: Manufacturer's standard. SlipSTD class: Manufacturer's standard. Recycled content: Not applicable. Background/ Base: Calcium sulfate based screed M13/110. Preparation: Smoothing underlayment, as clause 460. Intermediate substrate: Not required. Bedding: Adhesive bed - notched trowel method, as clause 710. Reinforcement: Not applicable. Adhesive to BS EN 12004: Contractor's choice. Joint width: 2 mm. Grout: 100% waterproof antibacterial microflex grout colour TBC. Type/ classification: CG1. Admixture: None. Movement joints: N/A. Accessories: square mill finish aluminum tile trims at opes.; all in accordance with Architect's drawings and specifications					
	Walls (Shower areas)					
C	width > 300mm	53	m2			
	Supply and install a 10mm proprietary tile stop bead such as, "Schluter RONDEC", or equivalent; stainless steel finishing and edge protection profile for the internal & external corners of tiled surfaces (to match tile thickness) installed in accordance with Manufacturers latest written instructions; include also for trapezoid perforated anchoring leg and symmetrically rounded surface area and install according to instructions					
	Sundries; Beading					
D	stop beading,	90	m			

	Description	Qty	Unit	Rate	€	c
	EL (42) INTERNAL WALL FINISHES (Cont'd)					
A	angle beading, internal corners	21	m			
	PAINTING AND DECORATING					
	PAINTING					
	Emulsion Paint to Internal Fairfaced Blockwork; cleaning down and dusting off; Manufacturer: Dulux or equivalent; Product reference: Dulux trade Diamond Matt (water based tough Scrubbable Matt emulsion) or equivalent; Surfaces: Internal plastered surfaces and fairfaced blockwork; Preparation: Tape and fill joints; Initial coats: 40% thinned primer.Thinning Sealing new or bare surfaces: Add up to 1 part clean water to 10 parts paint.; Number of coats: 2; Undercoats: As recommended by manufacturer; Number of coats: As recommended by manufacturer; Finishing coats: Washable matt vinyl; Number of coats: 2; all in accordance with Manufacturers instructions; all in accordance with Architects drawings and specifications					
	Walls					
B	not exceeding 300mm wide (rad recesses)	5	m2			
C	exceeding 300mm wide	1,460	m2			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (42) INTERNAL WALL FINISHES (Cont'd)					
	Emulsion Paint to Internal Plastered Surfaces; cleaning down and dusting off; Manufacturer: Dulux or equivalent; Product reference: Dulux trade Diamond Matt (water based tough Scrubbable Matt emulsion) or equivalent; Surfaces: Internal plastered surfaces and fairfaced blockwork; Preparation: Tape and fill joints; Initial coats: 40% thinned primer.Thinning Sealing new or bare surfaces: Add up to 1 part clean water to 10 parts paint.; Number of coats: 2; Undercoats: As recommended by manufacturer; Number of coats: As recommended by manufacturer; Finishing coats: Washable matt vinyl; Number of coats: 2; all in accordance with Manufacturers instructions; all in accordance with Architects drawings and specifications					
	Walls					
A	not exceeding 300mm wide (rad recesses)	20	m2			
B	not exceeding 300mm wide	169	m2			
C	exceeding 300mm wide	1,335	m2			
	Emulsion Paint to Internal Plastered Surfaces; cleaning down and dusting off; Manufacturer: Dulux or equivalent; Product reference: Dulux trade Diamond Matt (water based tough Scrubbable Matt emulsion) or equivalent; colour Aqua; Preparation: Tape and fill joints; Initial coats: 40% thinned primer.Thinning Sealing new or bare surfaces: Add up to 1 part clean water to 10 parts paint.; Number of coats: 2; Undercoats: As recommended by manufacturer; Number of coats: As recommended by manufacturer; Finishing coats: Washable matt vinyl; Number of coats: 2; all in accordance with Manufacturers instructions; all in accordance with Architects drawings and specifications					
	Walls					

	Description	Qty	Unit	Rate	€	c
	EL (42) INTERNAL WALL FINISHES (Cont'd)					
A	not exceeding 300mm wide; in staircase areas	6	m2			
B	exceeding 300mm wide; in staircase areas	90	m2			
	Emulsion Paint to fairfaced blockwork; cleaning down and dusting off; Manufacturer: Dulux or equivalent; Product reference: Dulux trade Diamond Matt (water based tough Scrubbable Matt emulsion) or equivalent; colour Aqua; Preparation: Tape and fill joints; Initial coats: 40% thinned primer.Thinning Sealing new or bare surfaces: Add up to 1 part clean water to 10 parts paint.; Number of coats: 2; Undercoats: As recommended by manufacturer; Number of coats: As recommended by manufacturer; Finishing coats: Washable matt vinyl; Number of coats: 2; all in accordance with Manufacturers instructions; all in accordance with Architects drawings and specifications					
	Walls					
C	not exceeding 300mm wide; in staircase areas	6	m2			
D	exceeding 300mm wide; in staircase areas	72	m2			

	Description	Qty	Unit	Rate	€	c
	EL (42) INTERNAL WALL FINISHES (Cont'd)					
	Emulsion Paint to fairfaced blockwork; cleaning down and dusting off; Manufacturer: Dulux or equivalent; Product reference: Dulux trade Diamond Matt (water based tough Scrubbable Matt emulsion) or equivalent; colour dark grey; Preparation: Tape and fill joints; Initial coats: 40% thinned primer.Thinning Sealing new or bare surfaces: Add up to 1 part clean water to 10 parts paint.; Number of coats: 2; Undercoats: As recommended by manufacturer; Number of coats: As recommended by manufacturer; Finishing coats: Washable matt vinyl; Number of coats: 2; all in accordance with Manufacturers instructions; all in accordance with Architects drawings and specifications					
	Walls					
A	exceeding 300mm wide; in staircase areas	56	m2			
	Emulsion Paint to Internal Plastered Surfaces; cleaning down and dusting off; Manufacturer: Dulux or equivalent; Product reference: Dulux trade Diamond Matt (water based tough Scrubbable Matt emulsion) or equivalent; Colour darkgrey (refer to drg 1241 for further information); Preparation: Tape and fill joints; Initial coats: 40% thinned primer.Thinning Sealing new or bare surfaces: Add up to 1 part clean water to 10 parts paint.; Number of coats: 2; Undercoats: As recommended by manufacturer; Number of coats: As recommended by manufacturer; Finishing coats: Washable matt vinyl; Number of coats: 2; all in accordance with Manufacturers instructions; all in accordance with Architects drawings and specifications					
	Walls					
B	exceeding 300mm wide; in staircase areas	56	m2			

	Description	Qty	Unit	Rate	€	c
	EL (42) INTERNAL WALL FINISHES (Cont'd)					
	Emulsion Paint to Internal Plastered Surfaces; cleaning down and dusting off; Manufacturer: Dulux or equivalent; Product reference: Dulux trade Diamond Matt (water based tough Scrubbable Matt emulsion) or equivalent; Colour light grey (refer to drg 1241 for further information); Preparation: Tape and fill joints; Initial coats: 40% thinned primer.Thinning Sealing new or bare surfaces: Add up to 1 part clean water to 10 parts paint.; Number of coats: 2; Undercoats: As recommended by manufacturer; Number of coats: As recommended by manufacturer; Finishing coats: Washable matt vinyl; Number of coats: 2; all in accordance with Manufacturers instructions; all in accordance with Architects drawings and specifications					
	Walls					
A	exceeding 300mm wide	122	m2			
	Emulsion Paint to Internal Insitu concrete wall Surfaces; cleaning down and dusting off; Manufacturer: Dulux or equivalent; Product reference: Dulux trade Diamond Matt (water based tough Scrubbable Matt emulsion) or equivalent; Surfaces: Internal plastered surfaces and fairfaced blockwork; Preparation: Tape and fill joints; Initial coats: 40% thinned primer.Thinning Sealing new or bare surfaces: Add up to 1 part clean water to 10 parts paint.; Number of coats: 2; Undercoats: As recommended by manufacturer; Number of coats: As recommended by manufacturer; Finishing coats: Washable matt vinyl; Number of coats: 2; all in accordance with Manufacturers instructions; all in accordance with Architects drawings and specifications					
	Walls					
B	exceeding 300mm wide	141	m2			

	Description	Qty	Unit	Rate	€	c
	EL (42) INTERNAL WALL FINISHES (Cont'd)					
	Emulsion Paint to Internal Insitu concrete wall Surfaces; cleaning down and dusting off; Manufacturer: Dulux or equivalent; Product reference: Dulux trade Diamond Matt (water based tough Scrubbable Matt emulsion) or equivalent; Colour light grey (refer to drg 1241 for further information); Preparation: Tape and fill joints; Initial coats: 40% thinned primer.Thinning Sealing new or bare surfaces: Add up to 1 part clean water to 10 parts paint.; Number of coats: 2; Undercoats: As recommended by manufacturer; Number of coats: As recommended by manufacturer; Finishing coats: Washable matt vinyl; Number of coats: 2; all in accordance with Manufacturers instructions; all in accordance with Architects drawings and specifications					
	Walls					
A	not exceeding 300mm wide	2	m2			
B	exceeding 300mm wide	54	m2			
	Emulsion Paint to Internal Plasterboard Surfaces; cleaning down and dusting off; Manufacturer: Dulux or equivalent; Product reference: Dulux trade Diamond Matt (water based tough Scrubbable Matt emulsion) or equivalent; Surfaces: Internal plastered surfaces and fairfaced blockwork; Preparation: Tape and fill joints; Initial coats: 40% thinned primer.Thinning Sealing new or bare surfaces: Add up to 1 part clean water to 10 parts paint.; Number of coats: 2; Undercoats: As recommended by manufacturer; Number of coats: As recommended by manufacturer; Finishing coats: Washable matt vinyl; Number of coats: 2; all in accordance with Manufacturers instructions; all in accordance with Architects drawings and specifications					
	Walls					
C	not exceeding 300mm wide (box outs)	10	m2			
D	exceeding 300mm	241	m2			

Description	Qty	Unit	Rate	€	c
EL (42) INTERNAL WALL FINISHES (Cont'd)					
COLLECTION					
Page No. BQ/422					
Page No. BQ/423					
Page No. BQ/424					
Page No. BQ/425					
Page No. BQ/426					
Page No. BQ/427					
Page No. BQ/428					
Page No. BQ/429					
Page No. BQ/430					
Page No. BQ/431					
EL (42) INTERNAL WALL FINISHES Carried to Summary					

	Description	Qty	Unit	Rate	€	c
	EL (43) FLOOR FINISHES					
	INFORMATION					
	1. The Contractor is advised that the Architect's, Structural and Services Engineer's Drawings and Specifications (Works Requirements) are all complimentary to each other and should be read in conjuntion with one another		Note			
	2. The Contractor shall refer to the Drawings and Specifications included in the Works Requirements, Volume A		Note			
A	Floated concrete floor slabs are to be finished to an acceptable standard for the floor coverings as outlined in this element; any uneven areas or blemishes are to be made good with a patent levelling screed or may be ground smooth where necessary; all at the Contractor's own expense.		note			
B	The contractor is to include in his tender for properly curing and drying out the concrete ground floor slab within the limits of the building programme to obtain minimum moisture content as recommended by the manufactuerers of the relevant sheet, tile and brush applied floor coverings measured in this element and in accordance with Architect's specifications/ requirements; if these moisture levels are not acheived at the time of laying them the contractor will be required to allow for damp proof membrane over the slab and patent self levelling screed over same; all at their own expense.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (43) FLOOR FINISHES (Cont'd)					
	WOODWORK					
	BOARDING & SECOND FIXINGS					
	120 x 20mm mdf skirting boards with pencil round edge, prepared and primed, plugged and screwed at 450 mm centres, finished with 2 coats of water-based satin finish. Junction between the skirting and floor to be sealed with flexible sealant.; all installations in accordance with Manufactuers instructions & in accordance with Archietcts drawings & specifications					
	Second fixings					
A	skirting	194	m			
	IRONMONGERY, ACCESSORIES & SUNDRIES					
	Airtight seal between wall & floor; refer to drawing 4001 & 4002 for further details & requirements					
B	generally	194	m			
	FLOOR WALLS AND CEILING FINISHES					
	IN-SITU FINISHES					
	Preparing, cleaning down, remove all traces of dust and debris; apply surface DPM in accordance with manufacturers instructions all in accordance with Architects drawings and specification					
	Floors					
C	> 300 mm wide; in existing building	71	m2			
	Preparing, cleaning down, remove all traces of dust and debris; apply levelling compound to existing floors as necessary; self-levelling screed; all in accordance with manufacturers instructions; all in accordance with Architects drawings and specification					
	Floors					
D	> 300 mm wide; in existing building	71	m2			

	Description	Qty	Unit	Rate	€	c
	EL (43) FLOOR FINISHES (Cont'd)					
	FLEXIBLE SHEET FINISHES					
	Forbo Marmoleum Real or equivalent floor finish; Thickness: 2.5mm; Colour: 3146 Serene Grey; LRV 27%; Base: New concrete screed/slab; all installations in accordance with Manufacturers instrucutions; all installations in accordance with Architects drawings & specifcations; refer to Architect drawing 1231 for further details & requirements					
	Floors					
A	exceeding 300mm wide	517	m2			
B	exceeding 300mm wide; slopping (ramp)	17	m2			
C	exceeding 300mm wide; In existing building	71	m2			
	Extra over on the above for					
D	Linoform S Set-In coved skirting's and angles as clause 770. Self-coved skirting's former as clause 770. Sit- on PVC skirting's, edgings, nosing's, cover strips as clauses 740, 750, 770. All installations in accordance with Manufacturers instructions; all installations in accordance with Architects drawings & specifications	218	m			
E	Linoform S Set-In coved skirting's and angles as clause 770 in existing building. Self-coved skirting's former as clause 770. Sit- on PVC skirting's, edgings, nosing's, cover strips as clauses 740, 750, 770. All installations in accordance with Manufacturers instructions; all installations in accordance with Architects drawings & specifications	38	m			

	Description	Qty	Unit	Rate	€	c
	EL (43) FLOOR FINISHES (Cont'd)					
	Forbo Marmoleum Real or equivalent floor finish; Thickness: 2.5mm; Colour: 3032 Milst Grey; LRV 42%; Base: New concrete screed/slab; all installations in accordance with Manufacturers instrucutions; all installations in accordance with Architects drawings & specifcations; refer to Architect drawing 1231 for further details & requirements					
	Floors					
A	exceeding 300mm wide	247	m2			
	Extra over on the above for					
B	Linoform S Set-In coved skirting's and angles as clause 770. Self-coved skirting's former as clause 770. Sit- on PVC skirting's, edgings, nosing's, cover strips as clauses 740, 750, 770. All installations in accordance with Manufacturers instructions; all installations in accordance with Architects drawings & specifications	116	m			
	Forbo Surestep Orignal or equivalent floor finish; Thickness: 2.5mm; Colour: 171772 Cement; LRV 30%; Base: New concrete screed/slab; all installations in accordance with Manufacturers instrucutions; all installations in accordance with Architects drawings & specifcations; refer to Architect drawing 1231 for further details & requirements					
	Floors					
C	exceeding 300mm wide	336	m2			
	Extra over on the above for					
D	Linoform S Set-In coved skirting's and angles as clause 770. Self-coved skirting's former as clause 770. Sit- on PVC skirting's, edgings, nosing's, cover strips as clauses 740, 750, 770. All installations in accordance with Manufacturers instructions; all installations in accordance with Architects drawings & specifications	149	m			

	Description	Qty	Unit	Rate	€	c
	EL (43) FLOOR FINISHES (Cont'd)					
	Forbo Surestep Material or equivalent floor finish; Thickness: 2.5mm; Colour: 17122 Cool Concrete; LRV 37%; Base: New concrete screed/slab; all installations in accordance with Manufacturers instrucutions; all installations in accordance with Architects drawings & specifcations; refer to Architect drawing 1231 for further details & requirements					
	Floors					
A	exceeding 300mm wide	84	m2			
	Extra over on the above for					
B	Linoform S Set-In coved skirting's and angles as clause 770. Self-coved skirting's former as clause 770. Sit- on PVC skirting's, edgings, nosing's, cover strips as clauses 740, 750, 770. All installations in accordance with Manufacturers instructions; all installations in accordance with Architects drawings & specifications	118	m			
	Forbo Surestep Laguna or equivalent floor finish; Thickness: 2.5mm; Colour: 181092 Elephant; LRV 18%; Base: New concrete screed/slab; all installations in accordance with Manufacturers instrucutions; all installations in accordance with Architects drawings & specifcations; refer to Architect drawing 1231 for further details & requirements					
	Floors					
C	exceeding 300mm wide	31	m2			
	Extra over on the above for					

	Description	Qty	Unit	Rate	€	c
	EL (43) FLOOR FINISHES (Cont'd)					
A	Quantum Profile Systems reference QCF35 - 35mm radius tapered to architraves. Securely bond to base and background using contact adhesive & Quantum Profile Systems UCS2 PVC capping strip. Manufacturer: Quantum Profile Systems. Fixing: Secure with top edge straight and parallel with floor. Corners: Mitre joints. All installations in accordance with Manufacturers instructions; all installations in accordance with Architects drawings & specifications	36	m			
	Forbo Sarlon 15dB or equivalent floor finish; Thickness: 2.5mm; Colour: 863 T4315 Beige Grey Uni; LRV 39%; Base: New concrete screed/slab; all installations in accordance with Manufacturers instrucutions; all installations in accordance with Architects drawings & specifcations; refer to Architect drawing 1231 for further details & requirements					
	Floors					
B	exceeding 300mm wide	108	m2			
	Extra over on the above for					
C	Linoform S Set-In coved skirting's and angles as clause 770. Self-coved skirting's former as clause 770. Sit- on PVC skirting's, edgings, nosing's, cover strips as clauses 740, 750, 770. All installations in accordance with Manufacturers instructions; all installations in accordance with Architects drawings & specifications	79	m			
	Forbo Sarlon 15dB or equivalent floor finish; Thickness: 2.5mm; Colour: 761 T4315 Steel concrete; LRV 16%; Base: New concrete screed/slab; all installations in accordance with Manufacturers instrucutions; all installations in accordance with Architects drawings & specifcations; refer to Architect drawing 1231 for further details & requirements					
	Floors					
D	exceeding 300mm wide	95	m2			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (43) FLOOR FINISHES (Cont'd)					
	Extra over on the above for					
A	Linoform S Set-In coved skirting's and angles as clause 770. Self-coved skirting's former as clause 770. Sit- on PVC skirting's, edgings, nosing's, cover strips as clauses 740, 750, 770. All installations in accordance with Manufacturers instructions; all installations in accordance with Architects drawings & specifications	27	m			
	Forbo Sarlon 15dB or equivalent floor finish; Thickness: 2.5mm; Colour: 570 T4315 Chalk cement; LRV 49%; Base: New concrete screed/slab; all installations in accordance with Manufacturers instrucutions; all installations in accordance with Architects drawings & specifcations; refer to Architect drawing 1231 for further details & requirements					
	Floors					
B	exceeding 300mm wide	236	m2			
	Extra over on the above for					
C	Linoform S Set-In coved skirting's and angles as clause 770. Self-coved skirting's former as clause 770. Sit- on PVC skirting's, edgings, nosing's, cover strips as clauses 740, 750, 770. All installations in accordance with Manufacturers instructions; all installations in accordance with Architects drawings & specifications	131	m			

	Description	Qty	Unit	Rate	€	c
	EL (43) FLOOR FINISHES (Cont'd)					
	CARPET					
	Recessed drained matwell. 1500 open construction recessed drained matwell in 16mm recess in floor screed; Colour boulevard 1500 calculus; Trim to be gradus umfa18 aluminium matwell frame. Outlet to be KVT 162/110 tp trapped stainless steel floor gully; all installations in accordance with manufacturers instructions; all installations in accordance with Architects drawings & specifications; refer to Architects drawing 1231 for further details & requirements					
	Floors					
A	exceeding 300mm wide	40	m2			
	SUNDRIES					
	Gradus Transition strip RT35M/AFT13 or equivalent at floor transitions; Colour: Silver; all installations in accordance with manufacturer's instructions; all in accordance with Architect's drawings and specifications; refer to Architect drawing 140231 for further details & requirements					
	Trims					
B	generally	75	m			
	Gradus umfa 18 or equivalent aluminium matwell frame; to all recessed drained matwell floor finishes; include for all necessary components for installation; all installations on accordance with Manufacturer's instructions; all in accordance with Architects drawings and specifications; refer to Architect drawing 1231 for further details & requirements					
	Trims (matwell)					
C	generally	72	m			

	Description	Qty	Unit	Rate	€	c
	EL (43) FLOOR FINISHES (Cont'd)					
	PAINTING AND DECORATING					
	PAINTING					
	Dulux Single Pack Floorshield or equivalent; surface must be freed of bleed water and of sufficient strength to withstand finishing operations; color; earth red, all in accordance with manufacturer's instructions; all in accordance with Architects drawings and specifications; refer to Architect drawing 1231 for further details & requirements					
	Floors					
A	exceeding 300 mm wide	34	m2			
	Sand down, dust off and prepare MDF surfaces, Degrease and provide key; Dulux primer and undercoat or equivalent for MDF; Initial coats: as recommended by Manufacturer; Number of coats: 2 priming undercoats; Undercoats: As recommended by manufacturer; Number of coats: 2 coats; Finishing coats: Dulux trade eggshell or equivalent: Number of coats: 2 coats; all installations in accordance with manufacturers instructions & Architects drawings and specifications					
	Second fixings					
B	not exceeding 300mm	194	m			

To Collection €

Description	Qty	Unit	Rate	€	c
EL (43) FLOOR FINISHES (Cont'd)					
COLLECTION					
Page No. BQ/433					
Page No. BQ/434					
Page No. BQ/435					
Page No. BQ/436					
Page No. BQ/437					
Page No. BQ/438					
Page No. BQ/439					
Page No. BQ/440					
Page No. BQ/441					
EL (43) FLOOR FINISHES **Carried to Summary**					

	Description	Qty	Unit	Rate	€	c
	EL (44) STAIR FINISHES					
	INFORMATION					
A	The Contractor is advised that the Architect's, Structural and Services Engineer's Drawings and Specifications (Works Requirements) are all complimentary to each other and should be read in conjuntion with one another		Note			
	WOODWORK					
	15mm x 119mm MDF Skirting; profile to Architect's drawings; screwed and pluged; all in accordance with Architects Drawings and Specifications					
	Second fixings					
B	skirtings	25	m			
C	skirtings; sloping cut to stairs profile	47	m			
	FLOOR WALL AND CEILING FINISHINGS					
	FLEXIBLE SHEET FINISHES					
	Forbo Marmoleum Walton or equivalent floor finish; Thickness: 2.5mm; Colour: 3367 Alloy; LRV 25%; Base: New concrete screed/slab; all installations in accordance with Manufacturers instrucutions; all installations in accordance with Architects drawings & specifcations; refer to Architect drawing 1231 for further details & requirements					
	Floors; staircase areas including landings					
D	exceeding 300mm wide	88	m2			
	Treads					
E	300mm wide	72	m			
F	350mm wide	10	m			
	Risers					
G	156mm high	35	m			
H	163mm high	44	m			

	Description	Qty	Unit	Rate	€	c
	EL (44) STAIR FINISHES (Cont'd)					
	Extra over for					
A	Gradus HE1 Jet Aluminium or equivalent nosing trim with TA5 trimming profile to open edge. Fixng; Proprietry cartridge adehsive fix - as per manufacturers instructions; all in accordance with the manufacturers instructions and Architects Drawings Specification	82	m			
	Perimeter trim: extruded aluminium 10 x 10mm shadow gap transition trim, to be used at the.; all installations to manufacturers instructions and recommendations and with Architects Drawings and Specifications					
	Accessories					
B	edge beads	23	m			
	PAINTING AND DECORATING					
	PAINTING					
	Sand down, dust off and prepare MDF surfaces, Degrease and provide key; Dulux primer and undercoat or equivalent for MDF; Initial coats: as recommended by Manufacturer; Number of coats: 2 priming undercoats; Undercoats: As recommended by manufacturer; Number of coats: 2 coats; Finishing coats: Dulux trade eggshell or equivalent: Number of coats: 2 coats; all installations in accordance with manufacturers instructions & Architects drawings and specifications					
	Second fixings					
C	not exceeding 300mm	25	m			
D	not exceeding 300mm; sloping to stairs profile	47	m			

	Description	Qty	Unit	Rate	€	c
	EL (44) STAIR FINISHES (Cont'd)					
	Cleaning down; dusting off as required; one under coat/primer and two finishing coats of "Dulux" satinwood finish paint or equivalent to fairfaced walls/ concrete; all in accordance with the manufacturer's instructions and Architects drawings and specification					
	Walls					
A	not exceeding 300mm wide	6	m2			

To Collection €

Description	Qty	Unit	Rate	€	c
EL (44) STAIR FINISHES (Cont'd)					
COLLECTION					
Page No. BQ/443					
Page No. BQ/444					
Page No. BQ/445					
EL (44) STAIR FINISHES **Carried to Summary**					

	Description	Qty	Unit	Rate	€	c
	EL (47) ROOF FINISHES					
	INFORMATION					
	1. The Contractor is advised that the Architect's, Structural and Services Engineer's Drawings and Specifications (Works Requirements) are all complimentary to each other and should be read in conjuntion with one another.		Note			
	2. The Contractor shall refer to the Drawings and Specifications included in the Works Requirements, Volume A.		Note			
	PREAMBLES					
	The Contractor's rates shall be deemed to include for all costs associated with providing airtight seals, flashing, sealing, filler pieces etc. to roof finishes in accordance with Architect's drawings and specifications; refer to Architects air tightness drawings for further information and requirements		Note			
	All roofing details and weathering to be in accordance with manufacturers details and recommendations		Note			
	Notwithstanding the provisions of ARM Work Section I, roof finishes are measured as a composite item and deemed to include all fixings sealing, jointing, insulation, vapour layers, air tightness sealing and the like as detailed		Note			
A	Flexible waterproof membranes must have a 30 year manufacturer durability statement, along with a minimum of a 20 year manufacturer insurance backed guarantee for materials, workmanship and the entire installation on site for the specific project.		Item			

	Description	Qty	Unit	Rate	€	c
	EL (47) ROOF FINISHES (Cont'd)					
	ROOFING, CLADDING, AND WATERPROOFING					
	FLAT ROOFS					
	WATERPROOF NON-METAL FLEXIBLE SHEET COVERINGS					
	Flat Roof covering; Bauder or equivalent built up warm roof covering system; Substrate: To metal deck designed and constructed to provide a 10 degree fall; Preparation: As clause 610C, apply Bauder Quick Dry Primer or equivalent to all roof substrate and all upstands and skirting, ensure all surface areas are fully cohesive, clean, dry, level and smooth; Tape and seal all exposed joints; Roof Covering System: Bauder Total Roof System; Manufacturer: Bauder Limited, 70, Landseer Road, Ipswich, Suffolk, IP3 0DH. Tel: 01473 257 671 or equivalent; Vapour Control Layer; Bauder VB4 Expal or equivalent, 3.5mm thick aluminium lined, SBS elastromeric bitumen torch applied vapour barrier; Installation: as clause 670D; Insulation: Bauder Thermotech PIR Foil faced, fire resistant zero ODP, flat board or equivalent, highly efficient rigid urethane insulation 160mm thick, all to achieve a u-value of 0.15W/m2K; Lay insualtion board with facing up to receive waterproof covering; Mechanically fixed; Waterproof Membrane: Underlayer: Bauder TEC KSA -DUO or equivalent, 3 mm thick, 200g/m2 glass-fibre reinforced, elastomeric SBS self-adhesive bitumen; Top layer: Bauder K5K or equivalent, 5.2 mm thick, 250g/m2 polyester reinforced, SBS elastomeric bitumen torch applied capping sheet, Charcoal Grey finish; attached by mechanical fixing; All joints to be hot air welded; all installations in accordance with Manufacturer's instrcutions; all in accordance with Architects and Engineers drawings and specifcations; refer to Architect drawing 4107 for further details and requirements					
	Roofing; horizontal					
A	width over 300mm	599	m2			
	Extra over for					

	Description	Qty	Unit	Rate	€	c
	EL (47) ROOF FINISHES (Cont'd)					
	Forming Upstand Detail; waterproofing membrane Bauder or equivalent build up as per flat roof finish; 60mm vertical & horizontal insulation as detailed; dressing under lead cover flashing/ parapet as detailed; 25mm WBP plywood; membrane coated galvanised steel flashing to manufacturer's details; including all vapour control layers, fixings, angle fillet, lapping and jointing in accordance with the manufacturer's written instructions and Architects specification; refer to Architect's drawing; refer to Architect's drawing 4104 Detail 1 - 'Parapet Detail' for further details and requirements					
A	girth over 750mm but not exceeding 900mm; (parapet)	112	m			
	Forming Upstand Detail; waterproofing membrane Bauder or equivalent build up as per flat roof finish; 60mm vertical & horizontal insulation as detailed; dressing under lead cover flashing/ parapet as detailed; 25mm WBP plywood; membrane coated galvanised steel flashing to manufacturer's details; including all vapour control layers,fixings, angle fillet, lapping and jointing in accordance with the manufacturer's written instructions and Architects specification; refer to Architect's drawing; refer to Architect's drawing 4104 Detail 2 - 'Parapet Detail @ Link' for further details and requirements					
B	girth over 750mm but not exceeding 900mm; (parapet)	21	m			

	Description	Qty	Unit	Rate	€	c
	EL (47) ROOF FINISHES (Cont'd)					
	Forming Upstand Detail; waterproofing membrane Bauder or equivalent build up as per flat roof finish; 160mm vertical as detailed; dressing under lead cover flashing/parapet as detailed; membrane coated galvanised steel flashing to manufacturer's details; including allv apour control layers, fixings, angle fillet, lapping and jointing in accordance with the manufacturer's written instructions and Architects specification; refer to Architect's drawing; refer to Architect's drawing 4104 Detail 4 - 'Eaves Detail' for further details and requirements					
A	girth over 750mm but not exceeding 900mm; (eaves)	44	m			
	Forming Upstand Detail; waterproofing membrane Bauder or equivalent build up as per flat roof finish; 160mm vertical insulation as detailed; dressing under lead cover flashing/parapet as detailed; membrane coated galvanised steel flashing to manufacturer's details; including all vapour control layers, fixings, angle fillet, lapping and jointing in accordance with the manufacturer's written instructions and Architects specification; refer to Architect's drawing; refer to Architect's drawing 4104 Detail 5 - 'Ridge Detail' for further details and requirements					
B	girth over 600mm but not exceeding 750mm; (external windows)	44	m			

	Description	Qty	Unit	Rate	€	c
	EL (47) ROOF FINISHES (Cont'd)					
	Forming Upstand Detail; waterproofing membrane Bauder or equivalent build up as per flat roof finish; 100mm vertical insulation as detailed; dressing under lead/aluminium cover flashing/parapet as detailed; WBP plywood membrane coated galvanised steel flashing to manufacturer's details; including all vapour control layers, fixings, angle fillet, lapping and jointing in accordance with the manufacturer's written instructions and Architects specification; refer to Architect's drawing; refer to Architect's drawing 4107 'Rooflight Detail' and for further details and requirements					
A	girth over 500mm but not exceeding 650mm; (rooflight upstands)	50	m			
B	girth over 500mm but not exceeding 650mm; (curved/circular rooflight upstands)	7	m			
	Forming Upstand Detail; waterproofing membrane Bauder or equivalent build up as per flat roof finish; to be finished below existing pitched roof finish (works for cuting back/removing existing measured elsewhere); including all vapour control layers, fixings, angle fillet, lapping and jointing in accordance with the manufacturer's written instructions and Architects specification; refer to Architect's drawing; refer to Architect's drawing 4112 Detail 2 - 'Pitched Roof Detail Between Link Building and Existing Building' for further details and requirements					
C	girth over 300mm but not exceeding 450mm; (works to existing building)	10	m			

	Description	Qty	Unit	Rate	€	c
	EL (47) ROOF FINISHES (Cont'd)					
	Forming Upstand Detail; waterproofing membrane Bauder or equivalent build up as per flat roof finish; 60mm vertical & horizontal insulation as detailed; dressing under lead cover flashing/ parapet as detailed; 25mm WBP plywood; membrane coated galvanised steel flashing to manufacturer's details; including all fixings, angle fillet, lapping and jointing in accordance with the manufacturer's written instructions and Architects specification; refer to Architect's drawings for further details and requirements					
A	girth over 1500mm but not exceeding 1650mm; (against existing building external wall)	9	m			
	Forming Upstand Detail; waterproofing membrane Bauder or equivalent build up as per flat roof finish and Bauder VB4 Expal or equivalent vapour control layer; dressing under lead cover flashing/ parapet as detailed; membrane coated galvanised steel flashing to manufacturer's details; including all fixings, angle fillet, lapping and jointing in accordance with the manufacturer's written instructions and Architects specification; refer to Architect's drawing; refer to Architect's drawing 4113 Detail 1 - 'First Floor Detail Above Home Ec Room' for further details and requirements					
B	girth over 300mm but not exceeding 450mm; (external wall)	15	m			

	Description	Qty	Unit	Rate	€	c
	EL (47) ROOF FINISHES (Cont'd)					
	Forming Upstand Detail; waterproofing membrane Bauder or equivalent build up as per flat roof finish and Bauder VB4 Expal or equivalent vapour control layer; dressing under lead cover flashing/ parapet as detailed; membrane coated galvanised steel flashing to manufacturer's details; including all fixings, angle fillet, lapping and jointing in accordance with the manufacturer's written instructions and Architects specification; refer to Architect's drawing; refer to Architect's drawing 4113 Detail 2 - 'Link Flat Roof Detail' for further details and requirements					
A	girth over 450mm but not exceeding 600mm; (parapet)	14	m			
	Siag Fentrim 330 Grey or equivalent internal airtightness tape in approved compatible material; sealed to underside of roof panel; laps as per manufacturers instructions;section sealed to side of concrete/blockwork wall; film; all installations in accordance with manufacturer's instructions; all in accordance with Architect's drawings and specifications; refer to Architect drawing 4104 Detail 1 'Parapet Detail', Detail 2 'Parapet Detail @ Link', Detail 3 'Verge Detail', Detail 4 'Eaves Detail' and Detail 5 'Ridge Detail' for further details and requirements					
	Airtight flashings/tape					
B	girth 150-300mm; refer to Architect Drawing 4112 'Detail 2'	25	m			
C	girth 600-750mm; refer to Architect Drawing 4112 'Detail 1'	11	m			

	Description	Qty	Unit	Rate	€	c
	EL (47) ROOF FINISHES (Cont'd)					
	Forming recessed gutter detail in flat roof; proprietary insulated waterproof membrane as per flat roof LPCB certified gutter complete with all associated pvc membrane strips/ disks etc. and membrane coated galvanised steel flashing to manufacturer's details; including insulation & gutter liners as required; waterproofing membrane Bauder or equivalent build up as per flat roof finish; including all fixings, lapping and jointing in accordance with the manufacturer's written instructions and Architects specification; refer to Architect's drawings for further details and requirements					
	Gutters with 60mm thick insulation and 2nr internal angle fillets					
A	girth 600mm - 750mm	166	m			
	Rainwater outlets; scupper parapet outlets complete with lead flashing; with pre attached flange and dome gratings; including flashing and lining to outlet through parapet wall; cast iron spigot and socket adaptors to connect to hopper through parapet (hopper measured elsewhere); lining new rainwater outlets through roof structure to connect to new internal downpipe outlets; pipe through metal roof deck and external cavity wall; connected to downpipe; include for all necessary bends, weathering, flashing and making good; refer to Architect's drawings; all in accordance with the manufacturer's instructions; all in accordance with Architect's drawings and specifications; refer to Architect's 4114 'Downpipe Detail' for further details and requirements					
	Outlets					
B	parapet outlets	14	nr			

	Description	Qty	Unit	Rate	€	c
	EL (47) ROOF FINISHES (Cont'd)					
	Forming holes in existing flat roofs new waterproofing membrane for pipes; including Bauder or equivalent bituminuous standard insulated vertical rainwater outlets, upstands and weathering/ flashing as required to weather; all in accordance with the manufacturer's instructions; all in accordance with Architects drawings and specifications; refer to Architect drawings for further details and requirements					
	Sundries					
A	not exceeding 0.50m girth (SVP's)	8	nr			
	Forming holes in existing flat roofs new waterproofing membrane for pipes; including Bauder or equivalent bituminuous standard insulated vertical rainwater outlets, upstands and weathering/ flashing as required to weather; all in accordance with the manufacturer's instructions; all in accordance with Architects drawings and specifications; refer to Architect drawings for further details and requirements					
	Sundries					
B	not exceeding 0.50m girth (RWP's)	14	nr			
	FLEXIBLE SHEET METAL COVERINGS					
	Milled lead sheet to B.S. 1178, code Nr. 5; fixing with milled lead tacks; 2nr. coats of patination oil; all as per Specification; finished in coulour to match roof finish with membrane; all installations in accordance with manufacturer's details; all in accordance with Architect's drawings and specifications					
	Cover Flashings					
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (47) ROOF FINISHES (Cont'd)					
A	girth 150 - 300mm; 1 No. bends; dressing into wall and over flat roof covering; welt turndown edge; including chasing into wall 25mm and sealant; wedging into joint in blockwork; raking out joint 25mm deep and pointing with cement mortar (1:1); all installations in accordance with Manufacturers instructions; all in accordance with Architects and Engineers drawings and specifcations; refer to Architects drawing 4113 - Detail 1 'First Floor Detail Above Home Ec Room' for further details and requirements	15	m			
B	girth 150 - 300mm; 1 No. bends; dressing into wall and over flat roof covering; welt turndown edge; including chasing into wall 25mm and sealant; wedging into joint in blockwork; raking out joint 25mm deep and pointing with cement mortar (1:1); all installations in accordance with Manufacturers instructions; all in accordance with Architects and Engineers drawings and specifcations; refer to Architects drawing 4113 - Detail 2 'Link Flat Roof Detail' for further details and requirements	14	m			

	Description	Qty	Unit	Rate	€	c
	EL (47) ROOF FINISHES (Cont'd)					
	TANK ROOM ROOF					
	WATERPROOF NON-METAL FLEXIBLE SHEET COVERINGS					
	Flat Roof covering; Bauder or equivalent built up warm roof covering system; Substrate: To metal deck designed and constructed to provide a 10 degree fall; Preparation: As clause 610C, apply Bauder Quick Dry Primer or equivalent to all roof substrate and all upstands and skirting, ensure all surface areas are fully cohesive, clean, dry, level and smooth; Tape and seal all exposed joints; Roof Covering System: Bauder Total Roof System; Manufacturer: Bauder Limited, 70, Landseer Road, Ipswich, Suffolk, IP3 0DH. Tel: 01473 257 671 or equivalent; Vapour Control Layer; Bauder VB4 Expal or equivalent, 3.5mm thick aluminium lined, SBS elastromeric bitumen torch applied vapour barrier; Installation: as clause 670D; Insulation: Bauder Thermotech PIR Foil faced, fire resistant zero ODP, flat board or equivalent, highly efficient rigid urethane insulation 160mm thick, all to achieve a u-value of 0.15W/m2K; Lay insualtion board with facing up to receive waterproof covering; Mechanically fixed; Waterproof Membrane: Underlayer: Bauder TEC KSA -DUO or equivalent, 3 mm thick, 200g/m2 glass-fibre reinforced, elastomeric SBS self-adhesive bitumen; Top layer: Bauder K5K or equivalent, 5.2 mm thick, 250g/m2 polyester reinforced, SBS elastomeric bitumen torch applied capping sheet, Charcoal Grey finish; attached by mechanical fixing; All joints to be hot air welded; all installations in accordance with Manufacturer's instrcutions; all in accordance with Architects and Engineers drawings and specifcations; refer to Architect drawing 4107 for further details and requirements					
	Roofing; sloping					
A	width over 300mm	28	m2			
	Extra over for					

	Description	Qty	Unit	Rate	€	c
	EL (47) ROOF FINISHES (Cont'd)					
	Forming Upstand Detail; waterproofing membrane Bauder or equivalent build up as per flat roof finish; 60mm vertical & horizontal insulation as detailed; dressing under lead cover flashing/ parapet as detailed; 25mm WBP plywood; membrane coated galvanised steel flashing to manufacturer's details; including all fixings, angle fillet, lapping and jointing in accordance with the manufacturer's written instructions and Architects specification; refer to Architect's drawing; refer to Architect's drawing 4104 Detail 1 - 'Parapet Detail' for further details and requirements					
A	girth over 750mm but not exceeding 900mm; (parapet)	25	m			
	Forming recessed gutter detail in flat roof; proprietary insulated waterproof membrane as per flat roof LPCB certified gutter complete with all associated pvc membrane strips/ disks etc. and membrane coated galvanised steel flashing to manufacturer's details; including insulation & gutter liners as required; waterproofing membrane Bauder or equivalent build up as per flat roof finish; including all fixings, lapping and jointing in accordance with the manufacturer's written instructions and Architects specification; refer to Architect's drawings for further details and requirements					
	Gutters with 60mm thick insulation and 2nr internal angle fillets					
B	girth 600mm - 750mm	5	m			

	Description	Qty	Unit	Rate	€	c
	EL (47) ROOF FINISHES (Cont'd)					
	Rainwater outlets; scupper parapet outlets complete with lead flashing; with pre attached flange and dome gratings; including flashing and lining to outlet through parapet wall; cast iron spigot and socket adaptors to connect to hopper through parapet (hopper measured elsewhere); lining new rainwater outlets through roof structure to connect to new internal downpipe outlets; pipe through metal roof deck and external cavity wall; connected to downpipe; include for all necessary bends, weathering, flashing and making good; refer to Architect's drawings; all in accordance with the manufacturer's instructions; all in accordance with Architect's drawings and specifications; refer to Architect's 4114 'Downpipe Detail' for further details and requirements					
	Outlets					
A	parapet outlets	1	nr			
	Forming holes in existing flat roofs new waterproofing membrane for pipes; including Bauder or equivalent bituminuous standard insulated vertical rainwater outlets, upstands and weathering/ flashing as required to weather; all in accordance with the manufacturer's instructions; all in accordance with Architects drawings and specifications; refer to Architect drawings for further details and requirements					
	Sundries					
B	not exceeding 0.50m girth	1	nr			

Description	Qty	Unit	Rate	€	c
EL (47) ROOF FINISHES (Cont'd)					
MONO PITCH ROOFS					
RIGID SHEET COVERINGS					

To Collection €

Description	Qty	Unit	Rate	€	c
EL (47) ROOF FINISHES (Cont'd)					
EQC Seam Standing Seam 4.15 or equvialent insulated metal roof system with secret fix appearance; void to have 320mm Rockwool or equivalent insualtion compressed to 300mm to achieve a U-value of 0.15W/m2K; Support structure: Cold rolled purlins by others; Bearing width (minimum): 60mm; Pitch: 6 degrees (minimum 2.5 degree design pitch, minimum 1 degree actual pitch); Bretaher Membrane: Not required in this Elect System; External sheets: Product reference: EQC Seam ESA400; Thickness (nominal): 0.9mm; Material: Aluminium 3105 to BS EN 485-2 and BS EN 1396: 1970; Pan Width: 400mm c/c; Sheets to have standing seams at 400mm centres; Finish (outer): PVDF; Colour: To be chosen from standard colour range following consultation; Finish (inner): n/a; Colour: n/a; CE Marking: All EQC profiles are CE marked in accordance with BS EN 14782:2006; Self supporting metal sheet for roofing, external cladding and internal lining; Steel Lining: Product reference: MW5 Liner or equivalent; Finish/ Colour: Colorcoat Lining Enamel. Substrate must be Z275 Galvatite hot-dip zinc coated steel to BS EN 10147:1992. Metal thickness to be a nominal 0.7mm (including zinc) and of a Fe E220 G quality; joints sealed with 4mm butyl rubber strips to achieve vapour control; Primary sheet fasteners (Supplied by roof manufacturer): Fixing arrangement tested to non-fragile Class B rating in accordance with ACR(M)001:2005 at all purlin centres up to 2.1M, on straight sheet, curved sheet and at hips; Intermediate supports: Stainless steel 5.5mm dia self driller Hex head and min 15mm dia washer every other corrugation; Endlaps and sheet ends: Stainless steel 5.5mm dia self driller Hex head and washer every corrugation. Fix so that there is a minimum edge distance of 30mm from the fixings to the sheet edge; End laps size (minimum): 60mm; Sealing: Continuous run of 4mm diameter Class A mastic. Positioned above fixing positions as per clause 554; Side lap sealing: 50mm x 1mm Liner Sealing Tape positioned centrally along the sidelap joint; all installations in accordance with manufacturers instructions; all in accordance with Specification; refer to Drawings and Architetc Details 3, 4 & 5 for further details and requirements					

To Collection €

T7192 Causeway Comprehensive School *To Collection* €

	Description	Qty	Unit	Rate	€	c
	EL (47) ROOF FINISHES (Cont'd)					
	Coverings; horizontal					
A	width over 300mm; slope not exceeding 15 degrees	460	m2			
	Extra over for					
	300mm thick Xtratherm FR/ALU or equivalent PIR rigid insulation to be installed in traffickable areas (fall arrest system measured elsewhere) to allow for installtion of fall arrest system on pitched roof; include for all cutting, making good, fixings, sealing and jointing with glass fibre quilt insulation; insulation to achieve the total roof u-value 0.15W/m2K; all installations in accordance with manufacturers instructions; all in accordance with Architects drawings and specifications; refer to Architect 1204 for further details and requirements					
B	width over 300mm; slope not exceeding 15 degrees	8	m2			
	Forming Upstand Detail; waterproofing membrane Hertalan or equivalent 1.2mm flexible rubber EPDM membrane; 100mm vertical insulation as detailed; dressing under lead cover flashing/parapet as detailed; 25mm WBP plywood; membrane coated galvanised steel flashing to manufacturer's details; including all fixings, angle fillet, lapping and jointing in accordance with the manufacturer's written instructions and Architects specification; refer to Architect's drawing; refer to Architect's drawing 4104 Detail 3 - 'Verge Detail' for further details and requirements					
C	girth over 450mm but not exceeding 600mm; (verges)	44	m			

	Description	Qty	Unit	Rate	€	c
	EL (47) ROOF FINISHES (Cont'd)					
	Forming Upstand Detail; 60mm horizontal insulation and 100mm thick vertical insualtion as detailed; dressing under lead cover flashing/parapet as detailed; 25mm WBP plywood; membrane coated galvanised steel flashing to manufacturer's details; including all fixings, angle fillet, lapping and jointing in accordance with the manufacturer's written instructions and Architects specification; refer to Architect's drawing; refer to Architect's drawing 4114 Detail 1 - 'Downpipe Detail' for further details and requirements					
A	girth over 450mm but not exceeding 600mm; (eaves)	23	m			
	Void between cast insitu wall & 320mm thick glass fibre quilt wool to underside of roof finish to be filled with Soudal Trade Expanding Gunfoam or equivalent polyurethane expanding foam with max. thermal conductivity of 0.034W/mK; 215mm wide, 85mm thick sloping head; contractor to include for all sealants and all other like items necessary to complete installation; all in accordance with manufacturers instructions; all in accordance with Architect's drawings and specifications; refer to Architect Drawing 4104 Detail 5 'Ridge Detail' for further details and requirements					
B	girth over 450mm but not exceeding 600mm; (ridges)	45	m			
	5mm continous pressed aluminium profile to support roof deck; 215mm wide, 85mm thick sloping head; contractor to include for all fixings as per manufacturers isntructions. drilling, sealants and all other like items necessary to complete installation; all in accordance with manufacturers instructions; all in accordance with Architect's drawings and specifications; refer to Architect Drawing 4104 Detai; 5 'Ridge Detail' for further details and requirements					
C	girth over 300mm but not exceeding 450mm; (ridges)	45	m			

	Description	Qty	Unit	Rate	€	c
	EL (47) ROOF FINISHES (Cont'd)					
	Siag Fentrim 330 Grey or equivalent internal airtightness tape in approved compatible material; sealed to underside of roof panel; laps as per manufacturers instructions;section sealed to side of concrete/blockwork wall; film; all installations in accordance with manufacturer's instructions; all in accordance with Architect's drawings and specifications; refer to Architect drawing 4104 Detail 1 'Parapet Detail', Detail 2 'Parapet Detail @ Link', Detail 3 'Verge Detail', Detail 4 'Eaves Detail' and Detail 5 'Ridge Detail' for further details and requirements					
	Airtight flashings/tape					
A	girth 150-300mm; refer to Architect Drawing 4104 'Detail 2', 'Detail 4' & 'Detail 5'	109	m			
B	girth 300-450mm; refer to Architect Drawing 4104 'Detail 1' & 'Detail 3'	171	m			
	Gutters; gutters to be lined with Bauder Total Roof Sytem or equivalent waterproofing membrane (same as per flat roof manufacturer); contractor to include for 25mm WBP plywood lined; including 2nr angle fillets; Fixing method: as per manufacturers instructions; include for all cutting, fixings and all other like items necessary to complete installations; all installations in accordance with manufacturers instructions; all in accordance with Archiects drawings and specifcations; refer to Architect 4104 ' Detail 4 'Eaves Detail' for further details and requirements					
	Hidden gutters					
C	girth 600-750mm; refer to Architect Drawing 4104 - Detail 4 ' Eaves Detail'	23	m			
	Extra over for					
D	extra over for outlet connection to uPVC downpipe	5	nr			

	Description	Qty	Unit	Rate	€	c
	EL (47) ROOF FINISHES (Cont'd)					
A	extra over for stop end	2	nr			
	Gutters; gutters to be lined with Bauder Total Roof Sytem or equivalent waterproofing membrane (same as per flat roof manufacturer); contractor to include for 25mm WBP plywood lined; including 2nr angle fillets; Fixing method: as per manufacturers instructions; include for all cutting, fixings and 150mm thick, 200mm wide Bauder Thermotech or equivalent PIR insulation and all other like items necessary to complete installations; all installations in accordance with manufacturers instructions; all in accordance with Archiects drawings and specifcations; refer to Architect drawing 4114 Detail 1 'Downpipe Detail' for further details and requirements					
	Hidden gutters					
B	girth 600-750mm; refer to Architect Drawing 4114 - Detail 1 ' Downpipe Detail'	23	m			
	Extra over for					
C	extra over for outlet connection to uPVC downpipe	5	nr			
D	extra over for stop end	2	nr			

To Collection €

	Description	Qty	Unit	Rate	€	c
	EL (47) ROOF FINISHES (Cont'd)					
	Rainwater outlets; scupper parapet outlets complete with lead flashing; with pre attached flange and dome gratings; including flashing and lining to outlet through parapet wall; cast iron spigot and socket adaptors to connect to hopper through parapet (hopper measured elsewhere); lining new rainwater outlets through roof structure to connect to new internal downpipe outlets; pipe through metal insulated roof deck and external cavity wall; connected to downpipe; include for all necessary bends, weathering, flashing and making good; refer to Architect's drawings; all in accordance with the manufacturer's instructions; all in accordance with Architect's drawings and specifications; refer to Architect's drawing 4114 Detail 1 'Downpipe Detail' for further details and requirements					
	Outlets					
A	parapet outlets	10	nr			
	Purpose made cold formed pressed metal external ridge; 3mm thick galvanised aluminium profile ridge with PPC finish to RAL Colour of Architects Choice; 150mm sealed laps; fix to pitched roof finish and 20mm thick cement board using approved secondary fasteners, as specified for roofing system; apply mastic sealant between flashing and wall; apply vertical PIR insulation behind flashing to external wall as detailed to meet specification requirements; all installations in accordance with manufacturer's instructions; all in accordance with Architect's drawings and specifications; refer to Architect drawing 4104 Detail 5 'Ridge Detail' for further details and requirments					
	Ridges;					
B	girth 450-600mm	45	m			

	Description	Qty	Unit	Rate	€	c
	EL (47) ROOF FINISHES (Cont'd)					
	Forming holes in external parapet/wall for pipes; including all upstands and weathering/ flashing as required to weather; all in accordance with the manufacturer's instructions; all in accordance with Architects drawings and specifications; refer to Architect drawing 4107 Detail 4 'Eaves Detail' for further details and requirements					
	Sundries					
A	not exceeding 0.50m girth	10	nr			

	Description	Qty	Unit	Rate	€	c
	EL (47) ROOF FINISHES (Cont'd)					
	FLEXIBLE SHEET METAL COVERINGS					
	Parapet capping; 2mm thick polyester coated pressed capping with fully welded corners and 150mm welded butt joints; fixed with 2 x 100mm, 2 x 150mm, 2 x 175mm & 2 x 200mm clips at 600mm centres as per Architects details; cappings to be 300mm to 655mm wide as per Architetcs details; colour to be RAL to Architect's choice; angle/profile of capping to be as detailed on drawings; secured in position with mechanical fixing not visible; including 25mm thick plywood conforming to class 3 (exterior conditions) in accordance with EN 636-3; ruberoid high performance dpc or equivalent and waterproof layer as per roof build up to overside of plywood; tapered Bauder or equvialent PIR Insualtion board as detailed; allow for insualtion between structural timbers and to underside of plywood; all gaps to be sealed with fire rated canister insualtion; allow for closing cavity with Arc Cavity Stop Sock CSS160 or equivalent 160mm cavity barrier and all associated air sealing, sealant, seals, barriers and fixings as required; fixed to top of external parapet walls; where applicable allow for tapered rigid insualtion to underside of capping as shown; allow for fixing and all necessary fittings, lappings, accessories, and sealants; all installations in accordance with manufacturers instructions; all in accordance with Architects drawings and specifcations (no allowance allowed made in measurement for laps); refer to Architect drawings 4104 Detail 1 'Parapet Detail', Detail 2 'Parapet Detail @ Link', Detail 3 'Verge Detail' and Detail 4 'Eaves Detail' for further details and requirements					
	Cappings (parapet)					
A	girth; 600 - 750mm (mono pitched roof verges)	45	m			
B	girth; 600 - 750mm (eaves)	45	m			
C	girth; 750 - 900mm (flat roof)	112	m			

	Description	Qty	Unit	Rate	€	c
	EL (47) ROOF FINISHES (Cont'd)					
A	girth; 750 - 900mm (flat roof - circualtion roof)	21	m			
B	girth; 750 - 900mm (flat roof; water tank room)	26	m			
C	girth; 750 - 900mm (flat roof; Link Building & Existing Building)	11	m			
	Extra over for					
D	2mm continuous pressed aluminium edge profile to reatin insualtion; including for all necessary fixings, sealants and all other like items necessary to complete installtion; all installations in accordance with manufacturers instructions; all in accordance with Architects drawings and specifications; refer to Architect drawing 4104 Detail 3 'Verge Detail' fir furtehr details and requirements	45	m			
E	2mm continuous pressed aluminium edge profile to reatin insualtion; including for all necessary fixings, sealants and all other like items necessary to complete installtion; all installations in accordance with manufacturers instructions; all in accordance with Architects drawings and specifications; refer to Architect drawing 4104 Detail 4 'Eaves Detail' fir furtehr details and requirements	45	m			
F						

	Description	Qty	Unit	Rate	€	c
	EL (47) ROOF FINISHES (Cont'd)					
	FLAT ROOFS (Works to Existing Builidng)					
	DEMOLITIONS AND ALTERATIONS					
	ALTERATIONS					
	Existing aluminium gutter and associated fittings to be removed, stored on site, and reinstated on completion of the works to allow for new flat roof membrane to be installed; gutter to be cleaned down prior to reinstallation; making good all works disturbed on completion; all in accordance with Architects drawings and specifications; refer to Architect drawing 4112 Detail 2 'Pitched Roof Detail Between Link & Existing Building' for further details and requirements					
	Fixtures and Fittings					
A	existing gutter (10m long)	1	item			
	Existing flat roof waterproofing bitumen membrane and all associated flashings to be removed and disposed off site to allow for new waterproofing membrane (measured elsewhere); make good structure and finishes disturbed; refer to Architect Drawing 4112 Detail 1 'Detail between Link Building & Existing Building' for further details and requirements					
	Removing					
B	finishes; flat roof	12	m2			
	Existing pitched roof waterproofing bitumen membrane to be removed/cut back to allow for new waterproofing membrane (measured elsewhere); existing mebrane to be reinstated on compeltion of works; include for all adhesives, sealants, flashings and all other like items necessary to complete installation; make good structure and finishes disturbed; refer to Architect Drawing 4112 Detail 2 'Pitched Roof Detail Between Link Building & Existing Building' for further details and requirements					
	Removing					

	Description	Qty	Unit	Rate	€	c
	EL (47) ROOF FINISHES (Cont'd)					
A	finishes; flat roof	5	m2			
	WATERPROOF NON-METAL FLEXIBLE SHEET COVERINGS					
	Flat Roof covering; Vapour Control Layer; Bauder VB4 Expal or equivalent, 3.5mm thick aluminium lined, SBS elastromeric bitumen torch applied vapour barrier; Installation: as clause 670D; Underlayer: Bauder TEC KSA -DUO or equivalent, 3 mm thick, 200g/m2 glass-fibre reinforced, elastomeric SBS self-adhesive bitumen; Top layer: Bauder K5K or equivalent, 5.2 mm thick, 250g/m2 polyester reinforced, SBS elastomeric bitumen torch applied capping sheet, Charcoal Grey finish; attached by mechanical fixing; All joints to be hot air welded; all installations in accordance with Manufacturer's instrcutions; all in accordance with Architects and Engineers drawings and specifcations; refer to Architect drawing 4112 Detail 1 'Detail between Link Building & Existing Building' for further details and requirements					
	Roofing; horizontal					
B	width over 300mm	12	m2			
	Extra over for					
	Forming Upstand Detail; waterproofing membrane Bauder or equivalent build up as per flat roof finish; 100mm vertical insulation as detailed; dressing under lead cover flashing/parapet as detailed; including all vapour control layers, fixings, angle fillet, lapping and jointing in accordance with the manufacturer's written instructions and Architects specification; refer to Architect's drawing; refer to Architect's drawing 4112 Detail 1 - 'Detail between Link Building & Existing Buildng' for further details and requirements					
C	girth over 300mm but not exceeding 450mm; (new external wall along existing roof)	11	m			

	Description	Qty	Unit	Rate	€	c
	EL (47) ROOF FINISHES (Cont'd)					
	Forming recessed gutter detail in flat roof; proprietary insulated waterproof membrane as per flat roof LPCB certified gutter complete with all associated pvc membrane strips/ disks etc. and membrane coated galvanised steel flashing to manufacturer's details; including insulation & gutter liners as required; waterproofing membrane Bauder or equivalent build up as per flat roof finish; including all fixings, lapping and jointing in accordance with the manufacturer's written instructions and Architects specification; refer to Architect's drawings for further details and requirements					
	Gutters with 90mm thick insulation and 2nr internal angle fillets					
A	girth 600mm - 750mm (forming gutter in existing roof with new waterproofing layer)	11	m			
	Forming holes in existing flat roofs new waterproofing membrane for pipes; including Bauder or equivalent bituminuous standard insulated vertical rainwater outlets, upstands and weathering/ flashing as required to weather; all in accordance with the manufacturer's instructions; all in accordance with Architects drawings and specifications; refer to Architect drawings for further details and requirements					
	Sundries					
B	not exceeding 0.50m girth (RWP's)	4	nr			

Description	Qty	Unit	Rate	€	c
EL (47) ROOF FINISHES (Cont'd)					
COLLECTION					
Page No. BQ/447					
Page No. BQ/448					
Page No. BQ/449					
Page No. BQ/450					
Page No. BQ/451					
Page No. BQ/452					
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Page No. BQ/463					
Page No. BQ/464					
Page No. BQ/465					
Page No. BQ/466					
Page No. BQ/467					
Page No. BQ/468					
Page No. BQ/469					

Description	Qty	Unit	Rate	€	c
EL (47) ROOF FINISHES (Cont'd)					
COLLECTION					
Page No. BQ/470					
Page No. BQ/471					
Page No. BQ/472					
EL (47) ROOF FINISHES **Carried to Summary**					

	Description	Qty	Unit	Rate	€	c
	EL (52) DRAINAGE & REFUSE DISPOSAL					
	INFORMATION					
	1. The Contractor is advised that the Architect's, Structural and Services Engineer's Drawings and Specifications (Works Requirements) are all complimentary to each other and should be read in conjunction with one another.		Note			
	2. The Contractor shall refer to the Drawings and Specifications included in the Works Requirements, Volume A.		Note			
	3. All roof drainage gutters, outlets, sleeves, outflow pipes through parapet walls and concealed short length downpipes with their associated fittings are all included in Roof Finishes Element (47).		Note			
	DRAINAGE - RWP's					
	DISPOSAL ABOVE GROUND					
	Alumasc 'Flushjoint Aluminium' or equivalent square section aluminium downpipe system; pipe wall thickness 3mm; Recess to be formed with 2mm PPC Aluminium channel flashing set into outer leaf; Colour: To match painted render, Junction with render stop to be sealed with recessed masic joint to both sides of aluminium flashing, colour to match PPC system; PPC finish in colour of Architect's choice; fixed with 50 x 25 x 2mm galvanised angle fixed to blockwork with approved non corrosive screws, number to be specified by manufacturer; including 60 x 60mm treated timber framing to form cavity closer; install in accordance with manufacturer's instructions; all in accordance with Architect's drawings and specifications; refer to Architect drawings 4114 'Downpipe Plan Detail' for further details and requirements					
	Pipes; recessed into blockwork/cladding; vertical					
A	110mm diameter; 240mm wide x 180mm long	54	m			

	Description	Qty	Unit	Rate	€	c
	EL (52) DRAINAGE & REFUSE DISPOSAL (Cont'd)					
	Extra over pipes on which they occur for fittings					
A	90 degree bends	6	nr			
	Bespoke PPC aluminium hopper head to compliment Flushjoint downpipe system; PPC finish in colour of Architect's choice; fix to masonry/cladding using approved non corrosive screws/nails with washers and covering; install in accordance with manufacturer's instructions; all in accordance with Architects drawings and specifications; ref to architect drawing 4114 Detail 1 'Downpipe Detail' for further details and requirements					
	Pipework ancillaries					
B	hopper heads	7	nr			
	Gravity Rainwater Drainage System to Building; Rainwater outlets: Measured elsewhere; 110mm welded HDPE pipework to building internal; Internal Pipework: to BS EN 1519-1 or Agrement certified; round pipes; Colour: TBC by Architect; Brackets: galvanised steel brackets; Fixings: to concrete/timber structure; Disposal: To connect to existing below ground drainage systems; Controls: Not applicable; Accessories: Fixing Clips, Brackets, Shoes, Bends, Boss & Connectors as required; all in accordance with manufacturers isntructions; all in accordance with Architect's drawings and specifications					
	Pipes					
C	diameter 110mm; horizontal	23	m			
D	diameter 110mm; downpipes	95	m			
	Extra over pipes on which they occur for fittings					

	Description	Qty	Unit	Rate	€	c
	EL (52) DRAINAGE & REFUSE DISPOSAL (Cont'd)					
A	Isover Climpipe Section Alu2 or equivalent pipe cover; cover to wrap around internal pipework; include fro all fixings, fixtures, sealants and all other like items necessary to complete installations; all in accordance with manifcaturers isntructions, all in accordance with Architects drawings and specifications	23	m			
B	90 degree bends	11	nr			
	Bespoke PPC aluminium hopper head to compliment UPVC downpipe system; Finish in colour of Architect's choice; fix to masonry/cladding using approved non corrosive screws/nails with washers and covering; install in accordance with manufacturer's instructions; all in accordance with Architects drawings and specifications; refer to Architect Drawing 4114 'Downpipe Detail' for further details and requirements					
	Pipework ancillaries					
C	hopper heads	11	nr			
	Bauder or equvialent leaf grille, fix to pipework using fittings/fixtures as per manufacturers instructions; upstands and weathering/ flashing as required to weather; all in accordance with the manufacturer's instructions; all in accordance with Architects drawings and specifications; refer to Architect drawings for further details and requirements					
	Pipework ancillaries					
D	leaf grille	15	nr			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (52) DRAINAGE & REFUSE DISPOSAL (Cont'd)					
	Bauder Bituminous Standard or equvialent insulated vertical rainwater outlet extension, fix to pipework using fittings/fixtures as per manufacturers instructions; upstands and weathering/ flashing as required to weather; all in accordance with the manufacturer's instructions; all in accordance with Architects drawings and specifications; refer to Architect drawings for further details and requirements					
	Pipework ancillaries					
A	insulated outlet extension	15	nr			
	Bauder or equvialent sealing ring, fix to pipework using fittings/fixtures as per manufacturers instructions; upstands and weathering/ flashing as required to weather; all in accordance with the manufacturer's instructions; all in accordance with Architects drawings and specifications; refer to Architect drawings for further details and requirements					
	Pipework ancillaries					
B	sealing ring	15	nr			
	Bauder or equvialent insulated outlet bowl, fix to pipework using fittings/ fixtures as per manufacturers instructions; upstands and weathering/ flashing as required to weather; all in accordance with the manufacturer's instructions; all in accordance with Architects drawings and specifications; refer to Architect drawings for further details and requirements					
	Pipework ancillaries					
C	outlet bowl	15	nr			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (52) DRAINAGE & REFUSE DISPOSAL (Cont'd)					
	15mm thick Gyproc Duraline or equivalent plasterboard (moisture resistant); filling and taping joints; screwfixed to and including treated softwood frame and grounds; 50mm x 25mm treated timber battens; including voids to be filled and tightly packed with compressed Rockwool or equivalent insulation; corners to be mitred; 3mm thick skim coat of plaster; smooth trowelled finish; all in accordance with the manufacturer's instructions; all in accordance with Architect's drawings and specifications					
	Pipe encasements (boxing out)					
A	> 300mm wide	99	m2			
	PAINTING AND DECORATING					
	PAINTING					
	Emulsion Paint to Internal Plasterboard Surfaces; cleaning down and dusting off; Manufacturer: Dulux or equivalent; Product reference: Dulux trade Diamond Matt (water based tough Scrubbable Matt emulsion) or equivalent; Surfaces: Internal plastered surfaces and fairfaced blockwork; Preparation: Tape and fill joints; Initial coats: 40% thinned primer.Thinning Sealing new or bare surfaces: Add up to 1 part clean water to 10 parts paint.; Number of coats: 2; Undercoats: As recommended by manufacturer; Number of coats: As recommended by manufacturer; Finishing coats: Washable matt vinyl; Number of coats: 2; all in accordance with Manufacturers instructions; all in accordance with Architects drawings and specifications					
	Walls					
B	exceeding 300mm (box outs)	99	m2			

	Description	Qty	Unit	Rate	€	c
	EL (52) DRAINAGE & REFUSE DISPOSAL (Cont'd)					
	DRAINAGE - SVP's					
	DISPOSAL ABOVE GROUND					
	Drainage System to Building; Rainwater outlets: Measured elsewhere; 100mm welded HDPE pipework to building internal; Internal Pipework: to BS EN 1519-1 or Agrement certified; round pipes; Colour: TBC by Architect; Brackets: galvanised steel brackets; Fixings: to concrete/ timber structure; Disposal: To connect to existing below ground drainage systems; Controls: Not applicable; Accessories: Fixing Clips, Brackets, Shoes, Bends, Boss & Connectors as required; all in accordance with manufacturers isntructions; all in accordance with Architect's drawings and specifications					
	Pipes					
A	110mm diameter; horizontal	78	m			
B	110mm diameter; downpipes	158	m			
	Extra over pipes on which they occur for fittings					
C	Isover Climpipe Section Alu2 or equivalent pipe cover; cover to wrap around internal pipework; include for all fixings, fixtures, sealants and all other like items necessary to complete installations; all in accordance with manifcaturers isntructions, all in accordance with Architects drawings and specifications	68	m			
D	45 degree bends	8	nr			
E	90 degree bends	32	nr			
F	T-Junctions	32	nr			
G	Y-Junctions	3	nr			
H	Fixfast Rymar or equivalent soil vent pipe cowels to top of 110mm diameter pipes	9	nr			

	Description	Qty	Unit	Rate	€	c
	EL (52) DRAINAGE & REFUSE DISPOSAL (Cont'd)					
	Bauder or equvialent leaf grille, fix to pipework using fittings/fixtures as per manufacturers instructions; upstands and weathering/ flashing as required to weather; all in accordance with the manufacturer's instructions; all in accordance with Architects drawings and specifications; refer to Architect drawings for further details and requirements					
	Pipework ancillaries					
A	leaf grille	11	nr			
	Bauder or equvialent insulated outlet extension, fix to pipework using fittings/fixtures as per manufacturers instructions; upstands and weathering/ flashing as required to weather; all in accordance with the manufacturer's instructions; all in accordance with Architects drawings and specifications; refer to Architect drawings for further details and requirements					
	Pipework ancillaries					
B	insulated outlet extension	11	nr			
	Bauder or equvialent sealing ring, fix to pipework using fittings/fixtures as per manufacturers instructions; upstands and weathering/ flashing as required to weather; all in accordance with the manufacturer's instructions; all in accordance with Architects drawings and specifications; refer to Architect drawings for further details and requirements					
	Pipework ancillaries					
C	sealing ring	11	nr			

	Description	Qty	Unit	Rate	€	c
	EL (52) DRAINAGE & REFUSE DISPOSAL (Cont'd)					
	Bauder or equvialent insulated outlet bowl, fix to pipework using fittings/ fixtures as per manufacturers instructions; upstands and weathering/ flashing as required to weather; all in accordance with the manufacturer's instructions; all in accordance with Architects drawings and specifications; refer to Architect drawings for further details and requirements					
	Pipework ancillaries					
A	outlet bowl	11	nr			
	15mm thick Gyproc Duraline or equivalent plasterboard (moisture resistant); filling and taping joints; screwfixed to and including treated softwood frame and grounds; 50mm x 25mm treated timber battens; including voids to be filled and tightly packed with compressed Rockwool or equivalent insulation; corners to be mitred; 3mm thick skim coat of plaster; smooth trowelled finish; all in accordance with the manufacturer's instructions; all in accordance with Architect's drawings and specifications					
	Pipe encasements (boxing out)					
B	> 300mm wide	105	m2			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (52) DRAINAGE & REFUSE DISPOSAL (Cont'd)					
	PAINTING AND DECORATING					
	PAINTING					
	Emulsion Paint to Internal Plasterboard Surfaces; cleaning down and dusting off; Manufacturer: Dulux or equivalent; Product reference: Dulux trade Diamond Matt (water based tough Scrubbable Matt emulsion) or equivalent; Surfaces: Internal plastered surfaces and fairfaced blockwork; Preparation: Tape and fill joints; Initial coats: 40% thinned primer.Thinning Sealing new or bare surfaces: Add up to 1 part clean water to 10 parts paint.; Number of coats: 2; Undercoats: As recommended by manufacturer; Number of coats: As recommended by manufacturer; Finishing coats: Washable matt vinyl; Number of coats: 2; all in accordance with Manufacturers instructions; all in accordance with Architects drawings and specifications					
	Walls					
A	exceeding 300mm (box outs)	105	m2			

Description	Qty	Unit	Rate	€	c
EL (52) DRAINAGE & REFUSE DISPOSAL (Cont'd)					
COLLECTION					
Page No. BQ/475					
Page No. BQ/476					
Page No. BQ/477					
Page No. BQ/478					
Page No. BQ/479					
Page No. BQ/480					
Page No. BQ/481					
Page No. BQ/482					
Page No. BQ/483					
EL (52) DRAINAGE & REFUSE DISPOSAL Carried to Summary					

	Description	Qty	Unit	Rate	€	c
	EL (59) MECHANICAL INSTALLATIONS					
	INFORMATION					
A	The Contractor is advised that the Architect's, Structural and Services Engineer's Drawings and Specifications (Works Requirements) are all complimentary to each other and should be read in conjuntion with one another		Note			
	Contractor to Sign off on Fire Safety					
B	The Contractor shall ensure that the building has being built in full compliance with Fire Safety Certificate documentation including confirmation that the cause and effect strategy has been complied with in terms of the M&E installation and for the consultant to provide a Certificate to this effect. This Certificate of Compliance is to be included in the Safety File and issued with all other Certification by the Contractor on completion.		Item			
	Services Coordinator					
C	The Main Contractor must be responsible for co-ordinating all Mechanical and Electrical services installations and builders work requirements. An M&E coordinator is required to liaise with services contractors in accordance with their contract program and obtaining 'Marked up, detailed dimensioned drawings from the sub-contractors illustrating exact locations etc and co-ordinating same		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (59) MECHANICAL INSTALLATIONS (Cont'd)					
	Maintenance obligation on Mechanical and Electrical Installations for duration of Defects Period					
A	The Works Requirements include an obligation to maintain the mechanical and electrical installations, in addition to remedying defects, until the expiry of the Defects Period. This obligation shall include the provision of all consumables and disposal of used items / materials arising from the maintenance. 'Consumables' shall exclude fuel for mechanical installations, the purchase of which will be undertaken outside the scope of the Works Requirements.		Item			
B	Fuel for testing of installations shall be deemed to be the responsibility of the Contractor and to be included for in the Contract Sum		Item			
	MECHANICAL INSTALLATIONS					
	MECHANICAL INSTALLATION					
C	Total cost of the Mechanical Services Installation exclusive of value added tax brought forward from the mechanical pricing document contained in Appendix A of this Pricing Document		Item			
D	Profit		item			
E	General Attendance (refer Preliminaries Bill)		note			
	Special attendance as follows:-					
	a. Temporary access roads and hardstandings in connection with heavy items of electrical plant and equipment					
F	heavy goods vehicular traffic		Item			
G	hardcore carriageway; compacted		Item			
H	remedial works to trafficked areas; reinstating		Item			
	b. Weatherproof covered storage and accommodation					

	Description	Qty	Unit	Rate	€	c
	EL (59) MECHANICAL INSTALLATIONS (Cont'd)					
A	covered storage for major items of plant delivered to site		Item			
B	covered storage for welding and portable machine tools		Item			
C	gross internal floor area; 25m2		Item			
D	minimum eaves height; 3m		Item			
E	lighting levels; 500 lux		Item			
F	power supplies; 110kV		Item			
G	power supplies; three phase		Item			
H	electrical heating system; wall mounted heaters or the like		Item			
I	ventilation; natural and mechanical system		Item			
J	water; hot and cold supplies; wash basin		Item			
K	water; drinking supply; fountain		Item			
L	drainage; floor channel; gullies and the like		Item			
	c. Power supplies					
M	electrical loading 110kV		Item			
N	electrical loading three phase		Item			
O	provide power for commissioning		Item			
	d. Scaffolding					
P	ceiling level		Item			
	e. Unloading, hoisting; distributing; placing in position					
Q	items as scheduled in mechanical installations drawings, schedules and specification		Item			
R	cranage for main plant items as scheduled in electrical installations drawings, schedules and specification		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (59) MECHANICAL INSTALLATIONS (Cont'd)					
	f. Maintenance of specific temperature and humidity levels					
A	maintaining a constant temperature in accordance with the Services Engineer's instructions		Item			
B	maintaining a constant humidity in accordance with the Services Engineer's instructions		Item			
	g. Generally					
C	clearing away and keeping clean		Item			
D	provide bins for waste materials and their removal off site		Item			
E	protecting completed work		Item			
	Sundries and Builder's work					
F	The following items have not been separately identified by "installation" but all installations covered under the ARM heading of "mechanical Installations" have been summarised and included generally under one heading		note			
	General					
	General					
G	All builders works openings to be formed and sealed in accordance with the Services Engineer's details		note			
	Marking positions of holes, mortices and chases					
H	mechanical installations		Item			
	Testing and commissioning					
I	mechanical installations		Item			
	Providing operating and maintenance manuals					
J	mechanical installations		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (59) MECHANICAL INSTALLATIONS (Cont'd)					
	Preparing drawings of "as completed" installations					
A	mechanical installations		Item			
	Identification plates, labels and the like					
B	mechanical installations		Item			
	Keys, tools and spares					
C	mechanical installations		Item			

Description	Qty	Unit	Rate	€	c
EL (59) MECHANICAL INSTALLATIONS (Cont'd)					
COLLECTION					
Page No. BQ/485					
Page No. BQ/486					
Page No. BQ/487					
Page No. BQ/488					
Page No. BQ/489					
EL (59) MECHANICAL INSTALLATIONS Carried to Summary					

	Description	Qty	Unit	Rate	€	c
	EL (66) TRANSPORT					
	INFORMATION					
A	The Contractor is advised that the Architect's, Structural and Services Engineer's Drawings and Specifications (Works Requirements) are all complimentary to each other and should be read in conjuntion with one another		Note			
	Contractor to Sign off on Fire Safety					
B	The Contractor shall employ (at their own cost) a recognised Fire Safety Consultant to check the building on a minimum of 12 site inspections, to inspect all relevant areas prior to closing up areas during the construction process and again immediately prior to handover , to ensure that the building has being built in full compliance with Fire Safety Certificate documentation including confirmation that the cause and effect strategy has been complied with in terms of the M&E installation and for the consultant to provide a Certificate to this effect. This Certificate of Compliance is to be included in the Safety File and issued with all other Certification by the Contractor on completion.		Item			
	Services Coordinator					
C	The Main Contractor must be responsible for co-ordinating all Mechanical and Electrical services installations and builders work requirements. An M&E coordinator is required to be on site 100% of the time, and will liaise with M& E sub-contractors in accordance with their contract program and obtaining 'Marked up, detailed dimensioned drawings from the sub-contractors illustrating exact locations etc and co-ordinating same; refer to the preliminaries section of the BoQ for further details and requirements		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (66) TRANSPORT (Cont'd)					
	ELECTRICAL INSTALLATIONS					
	GENERALLY					
A	The Contractor shall liaise with the lift manufacturer/ installer and ensure all specific requirements are made to the lift shaft/ building to incorporate the proposed lift supplier. No Claim for modifications/ opes specific to the contractors lift supplier will be entertained		Item			
B	The contractor shall refer to the lift specification document provided by Semple McKillop Consulting Engineers for further information and requirements in relation to lift installations		Note			
C	The Contractor shall include for all necessary general and special attendances required for the lift installations including hoisting into position		Item			
D	Emergency lighting installation shall comply with IS3217:2013 A1:2017 standard. This shall include the requirements to have emergency lighting within the lift car, on top of the lift car, within the lift pit and shaft and at the control gear		Item			
E	The lift installations shall comply with the following codes of compliances		Item			
F	European Directive 95/16/EC on Lifts		Item			
G	EN81-20:2014 Technical requirements for the construction, installation and of lifts		Item			
H	EN81-50:2014 Design rules, calculations and tests of lift components		Item			
I	EN 81-28 - Remote Alarm for Passenger and Goods/Passenger Lifts		Item			
J	EN 81-70 - Accessibility for Persons with Impaired Mobility		Item			
K	EN 81-71 - Vandal Resistant Lifts		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (66) TRANSPORT (Cont'd)					
A	Irish Building Regulations 2010 - Part M		Item			
B	Official languages act 2003 for all announcements		Item			
C	Emergency Lighting IS3217:2013: A1-2017		Item			
	Items to be included as standard					
D	local alarm sounder located in controller cabinet		Item			
E	automatic homing to bottom floor served		Item			
F	interlock with the fire alarm		Item			
G	Emergency stop switch in pit		Item			
H	pit ladder		Item			
I	phase failure/ reversal relay in controller		Item			
J	thermal circuit breaker in controller		Item			
K	plastic truncking and flexible conduit in shaft		Item			
L	electronic copies of operating and maintenance manuals		Item			
M	emergency lighting in compliance with IS3217:2013 A1:2017 including EL to be installed on top of the lift car		Item			
	Additional Items included in this specification					
N	Automatic UPS powered emergency release in the event of a power failure the lift car will automatically drive to the nearest floor and the doors will open to allow passengers to exit the lift cabin		Item			
				To Collection €		

Description	Qty	Unit	Rate	€	c
EL (66) TRANSPORT (Cont'd)					
Lift: Traction machine room less (MRL) passenger lift with power operated opening doors (3 No); Rated Load: 630 Kg., 8 person; Drive System Gearless Traction VF MRL, closed loop (180 s/p/h) BREEAM Class B rating; Rated Speed: 1.0 m/s; Travel: 7200mm approx as per drawings; Stops & Entrances: 3 stops, all front entry and exit; Levels served: LG, G & 1st; Lift well dimensions Width - 2.050mm, Shaft Depth - 2100mm, Lift Pits Depth - 1400mm, Headroom - 3500mm; Power: 3 Phase, 400V, 50Hz; Guides: Tee section steel guides (5 meter lengths); Rubber Buffers; Induction Loop System: Lift car intercom system shall be provided with an induction loop system; Control System: full collective with microprocessor controller cabinet located at top landing entrance; Signals: tactile lift call buttons with audible and visual call registration, pre-direction arrows located in cabin door frame in accordance with EN81.70 Mini TFT position indicators at all floors; Car doors: brushed stainless steel grade with 1200 x 2100mm high, with jambs continuing to ceiling, 2 panel centre opening doors with pressure sensitive panels and full height electronic multi beam door surveillance light curtain; Landing Doors and Frames: as car doors standard box section entrance frames, finished in satin stainless steel, 2 hour fire rated (E-120) to EN 81.58; Car kickplate protruding beyond wall finish brushed stainless steel; Car floor: approx 13mm stone/ tile/ marble; Car Ceiling: Stainless steel matt finish; Car front wall: stainless steel finish; Lighting: round LED down lighters including 3 hour battery back up emergency lighting; Handrail: 40mm diameter straight handrail brushed stainless steel; Car door cill: aluminium;					

	Description	Qty	Unit	Rate	€	c
	EL (66) TRANSPORT (Cont'd)					
	Car operating: vertical stainless steel COP incorporating - tactile call buttons, - high resolution RED LED dot matrix display, - car position indicator, visual & optical conformation of call, doors opening & closing buttons, alarm button, overload indicator, communication indicator, - key operated car preference control, - 5.5" TFT full colour position indicator display, - autodialler dialling/ connected indicator, - autodialler (dedicated telephone line by others), - induction loop system to assist persons with hearing aids required under Part M of the Building Regulations, - bi-lingual Irish/ English voice synthesiser speech unit; Access control: a fob reader provision compatible with the building access control (Paxton Access) shall be included and interfaced within this project; all installations in accordance with manufacture instructions; contractor to include for all other requirements to complete installations; all in accordance with Services Engineer's drawings and lift specification document					
	Transport Installations					
A	lift	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (66) TRANSPORT (Cont'd)					
	The contractor shall also be required to provide the following in association with the lift installations					
	Main Contractor Responsibility for 3rd Party Lift Certification					
A	The main contractor shall be responsible for employing a 3rd party company such as Lift Inspect ltd or equivalent carry out a thorough examination of the lift sub specialists installation in accordance with the Safety, Health & Welfare at Work (General Application) Regulations 2007, as amended, articles 30, 52 & 53 which is a legal requirement in Ireland. This 3rd party specialist upon satisfactory inspection of the works shall be responsible for providing ancillary certificate Si of compliance with the relevant lift standard. All costs for complying with this requirement shall be the responsibility of the main contractor. Practical completion of the project shall not occur until this requirement is met in full and the design team are in receipt of the ancillary certificate; The lift specialist shall not be permitted to self-certify in this instance.		Item			
	Warranty					
B	the Contractor shall include for a 12 month warranty, including planned prentative during this period. 12 month line monitoring to be included for warranty period.		Item			
	Training					
C	the Contractor shall include comprehensive training to each school maintenance stafff in the safe navigation and operation of and around the new lift installations, and evacuation of passengers. The training shall include desktop and site specific items including visits to the lifts and shafts. The training is to include a minimum of one full day and two half day visits.		Item			

	Description	Qty	Unit	Rate	€	c
	EL (66) TRANSPORT (Cont'd)					
	Maintenance Contract					
A	the maintenance contract to each school shall be fully comprehensive to include 24 hour, 7 days a week call out, with 4 hour response time. The contract shall include for 4 scheduled service visits. Lift contractor to attend on an agreed day.		Item			
B	the Contractor shall include for, additionally to his contractual obligation, up to 20 emergency call outs for each installation. He shall include for a total of 6 bimonthly service calls and inspection for each installation, additional to the free maintenance service and to the call outs, and shall submit a detailed service report after each inspection. Replacement of defective equipment shall be included, free of charge.		Item			
C	EN 81-28 Monitoring; 12 months line monitoring included for warranty period		Item			
	Telephone Line and General Items					
D	the Contractor shall note that the electrical contractor will organise telephone lines to enable communication with the lift in the school. However, these will not be live when the lift(s) are complete and the lift contractor must return on a separate occasion to commission the lift. This also applies to the permanent power supplies which will not be available when the lift is complete and a separate visit by the lift contractor will be required for commissioning. Emergency communication shall be via a Auto Dialler. Once operated this shall connect to the central monitoring station.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (66) TRANSPORT (Cont'd)					
	Sundries and Builder's work					
A	The following items have not been separately identified by "installation" but all installations covered under the ARM heading of "electrical Installations" have been summarised and included generally under one heading		note			
	General					
	General					
B	All builders works openings to be formed and sealed in accordance with the Services Engineer's details		note			
	Marking positions of holes, mortices and chases					
C	lift installations		item			
	Testing and commissioning					
D	lift installations		item			
	Providing operating and maintenance manuals					
E	lift installations		item			
	Preparing drawings of "as completed" installations					
F	lift installations		item			
	Identification plates, labels and the like					
G	lift installations		item			
	Keys, tools and spares					
H	lift installations		item			
	Builder's work					
I	Refer to Service Engineer's drawings and schedule for further information		Note			
J	form concrete piers on pit floor for buffer supports and piers if required in machine gear unit		item			

	Description	Qty	Unit	Rate	€	c
	EL (66) TRANSPORT (Cont'd)					
A	apply dust proof sealer finish to walls, ceiling and floor of lift shaft	75	m2			
B	lifting beam to top of lift shaft; refer to Structural Engineer's drawings and specifications		item			
C	all infilling as required between entrance frames and structural opening		item			
D	provision of stainless steel architraves/ frames to all landing doors (2 No)		item			
	Holes for services through reinforced insitu slab, 300mm thick; including Fire Stopping & Making Good around opes as specified; making good to all works disturbed on completion					
	Holes, mortices, chases and the like					
E	300 x 300mm ventilation opening complete with grille at top of lift shaft; with louvre in location as identified by Engineer	1	nr			
				To Collection €		

Description	Qty	Unit	Rate	€	c
EL (66) TRANSPORT (Cont'd)					
COLLECTION					
Page No. BQ/491					
Page No. BQ/492					
Page No. BQ/493					
Page No. BQ/494					
Page No. BQ/495					
Page No. BQ/496					
Page No. BQ/497					
Page No. BQ/498					
Page No. BQ/499					
EL (66) TRANSPORT **Carried to Summary**					

	Description	Qty	Unit	Rate	€	c
	EL (69) ELECTRICAL INSTALLATIONS					
	INFORMATION					
A	The Contractor is advised that the Architect's, Structural and Services Engineer's Drawings and Specifications (Works Requirements) are all complimentary to each other and should be read in conjuntion with one another		Note			
	Contractor to Sign off on Fire Safety					
B	The Contractor shall ensure that the building has being built in full compliance with Fire Safety Certificate documentation including confirmation that the cause and effect strategy has been complied with in terms of the M&E installation and for the consultant to provide a Certificate to this effect. This Certificate of Compliance is to be included in the Safety File and issued with all other Certification by the Contractor on completion.		Item			
	Services Coordinator					
C	The Main Contractor must be responsible for co-ordinating all Mechanical and Electrical services installations and builders work requirements. An M&E coordinator is required to liaise with services contractors in accordance with their contract program and obtaining 'Marked up, detailed dimensioned drawings from the sub-contractors illustrating exact locations etc and co-ordinating same		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (69) ELECTRICAL INSTALLATIONS (Cont'd)					
	Maintenance obligation on Mechanical and Electrical Installations for duration of Defects Period					
A	The Works Requirements include an obligation to maintain the mechanical and electrical installations, in addition to remedying defects, until the expiry of the Defects Period. This obligation shall include the provision of all consumables and disposal of used items / materials arising from the maintenance. 'Consumables' shall exclude fuel for mechanical installations, the purchase of which will be undertaken outside the scope of the Works Requirements.		Item			
B	Fuel for testing of installations shall be deemed to be the responsibility of the Contractor and to be included for in the Contract Sum		Item			
	ELECTRICAL INSTALLATIONS					
	ELECTRICAL INSTALLATION					
C	Total cost of the Electrical Services Installation exclusive of value added tax brought forward from the Electrical Pricing Document contained in Appendix B of this Pricing Document		Item			
D	Profit		item			
E	General Attendance (refer Preliminaries Bill)		note			
	Special attendance as follows:-					
	a. Temporary access roads and hardstandings in connection with heavy items of electrical plant and equipment					
F	heavy goods vehicular traffic		Item			
G	hardcore carriageway; compacted		Item			
H	remedial works to trafficked areas; reinstating		Item			
	b. Weatherproof covered storage and accommodation					

	Description	Qty	Unit	Rate	€	c
	EL (69) ELECTRICAL INSTALLATIONS (Cont'd)					
A	covered storage for major items of plant delivered to site		Item			
B	covered storage for welding and portable machine tools		Item			
C	gross internal floor area; 25m2		Item			
D	minimum eaves height; 3m		Item			
E	lighting levels; 500 lux		Item			
F	power supplies; 110kV		Item			
G	power supplies; three phase		Item			
H	electrical heating system; wall mounted heaters or the like		Item			
I	ventilation; natural and mechanical system		Item			
J	water; hot and cold supplies; wash basin		Item			
K	water; drinking supply; fountain		Item			
L	drainage; floor channel; gullies and the like		Item			
	c. Power supplies					
M	electrical loading 110kV		Item			
N	electrical loading three phase		Item			
O	provide power for commissioning		Item			
	d. Scaffolding					
P	ceiling level		Item			
	e. Unloading, hoisting; distributing; placing in position					
Q	items as scheduled in electrical installations drawings, schedules and specification		Item			
R	cranage for main plant items as scheduled in electrical installations drawings, schedules and specification		Item			

To Collection €

	Description	Qty	Unit	Rate	€	c
	EL (69) ELECTRICAL INSTALLATIONS (Cont'd)					
	f. Maintenance of specific temperature and humidity levels					
A	maintaining a constant temperature in accordance with the Services Engineer's instructions		Item			
B	maintaining a constant humidity in accordance with the Services Engineer's instructions		Item			
	g. Generally					
C	clearing away and keeping clean		Item			
D	provide bins for waste materials and their removal off site		Item			
E	protecting completed work		Item			
	Sundries and Builder's work					
F	The following items have not been separately identified by "installation" but all installations covered under the ARM heading of "electrical Installations" have been summarised and included generally under one heading		note			
	General					
	General					
G	All builders works openings to be formed and sealed in accordance with the Services Engineer's details		note			
	Marking positions of holes, mortices and chases					
H	electrical installations		item			
	Testing and commissioning					
I	electrical installations		item			
	Providing operating and maintenance manuals					
J	electrical installations		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (69) ELECTRICAL INSTALLATIONS (Cont'd)					
	Preparing drawings of "as completed" installations					
A	electrical installations		item			
	Identification plates, labels and the like					
B	electrical installations		item			
	Keys, tools and spares					
C	electrical installations		item			

To Collection €

Description	Qty	Unit	Rate	€	c
EL (69) ELECTRICAL INSTALLATIONS (Cont'd)					
COLLECTION					
Page No. BQ/501					
Page No. BQ/502					
Page No. BQ/503					
Page No. BQ/504					
Page No. BQ/505					
EL (69) ELECTRICAL INSTALLATIONS Carried to Summary					

	Description	Qty	Unit	Rate	€	c
	EL (59 & 69) BUILDERS WORKS					
	INFORMATION					
A	The Contractor is advised that the Architect's, Structural and Services Engineer's Drawings and Specifications (Works Requirements) are all complimentary to each other and should be read in conjuntion with one another		Note			
	DEMOLITIONS & ALTERATIONS					
	ALTERATIONS					
	Taking down; storing on site for re-reinstallation (re-installation measured elsewhere) fire rated MF suspended ceiling tile; tiles to be taken down and carefully stored on site; tiles to beinstalled once additional works are compelte; all existing works disturbed are to be made good at contractors own expense; all works in accordance with Architects and Services Engineers drawings and specifications					
	Removing					
B	suspended ceiling (works to existing building)	70	m2			
	Reinstalling ceiling tiles taken down once additional works are complete; any tiles damaged or works distubed to be made good at contractors own expense; all works in accordance with Architects and Services Engineers drawings and specifications					
	Re-installation					
C	suspended ceiling (works to existing building)	70	m2			

	Description	Qty	Unit	Rate	€	c
	EL (59 & 69) BUILDERS WORKS (Cont'd)					
	MECHANICAL & ELECTRICAL INSTALLATIONS					
	SUNDRIES & BUILDERS WORK					
	The following items have not been separately identified by "installation" but all installations covered under the ARM heading of "Mechanical Installations" & "Electrical Installations" have been summarised and included generally under one heading					
A	Fire Stopping Mastic System to Individual Gaps & Services Penetrations (gaps 6 to 30mm); Service: metal pipes, conduits, trunking, ducts etc and plastic pipes or conduits with internal diameter no greater than 40mm; Location: fire resisting walls and floor slabs; Manufacturer and product reference: Contractors choice eg. Nullifire Ltd, System M701 Acrylic or M703 Silicone Mastic, or equivalent; Preparation/ priming: Ensure all joints are prepared to BS 6093 (1982) including the removal of all dust, loose particles and/or corrosive matter, the joint should have a minimum depth of 5mm; refer to the Nullifire Application Sheet for System M for specific instructions for each joint size, including the fixing of System M Backing Rods; Method: completely fill gaps to manufacturer's instructions; Finish neatly to all visible areas; Mastic thickness to be selected to suit joint size in accordance with manufacturers product data sheets; Requirement: 30 minute and 60 minute fire resistance as indicated on Fire Safety Plans		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (59 & 69) BUILDERS WORKS (Cont'd)					
A	Fire Resistant Batts System to Multiple Services Penetrations & Openings larger than 30mm; Manufacturer and product reference: Contractors choice eg. Nullifire Ltd System B750, or equivalent; Type: ablative coated mineral fibre batts, jointed with fire resistant acrylic mastic, Sizes: 50 or 60mm thick batts; Refer to manufacturers product data sheet for advice on specific thickness requirements for opening dimensions; Preparation: Ensure all openings are prepared and clear including the removal of all dust and loose particles. Refer to the Nullifire Application Sheet for System B750 for specific application instructions; Fixing in accordance with manufacturer's instructions; Fire resistance: 30 minute and 60 minute fire resistance as indicated on fire safety plans; Integrity: fit tightly and accurately to structure and services to maintain fire resistance; Fill gaps and voids with liberal application of FS702 intumescent sealant material;		Item			
B	Seal all incoming ducts to prevent ingress of vermin, all in accordance with engineers drawings and specification		Item			
C	The Contractor is to allow for fire collars to all soil and waste pipework which pass through floors/fire compartments		Item			
	Builder's work					
D	Refer to Service Engineer's drawings and schedule for further information		Note			
	Allow for plywood supports to span suspended ceiling T-Bar Grid as required for all surface mounted lights and fire alarm items; refer to Services Engineer's drawings and specifications for further details					
	Grounds					
E	generally		item			

	Description	Qty	Unit	Rate	€	c
	EL (59 & 69) BUILDERS WORKS (Cont'd)					
	Hardwood grounds; allow for hardwood grounds in partitions for electrical outlets; refer to Services Engineer's drawings and specifications for further details					
	Grounds					
A	generally		item			
B	The contractor shall note that the Radiant panels are to be suspended at 3.1m from FFL with steel link chain and galvanised steel supports secured to the proposed ceiling structure, note possible integration with ceiling tiles; the contractor shall allow in there tender for all costs assoicated with providing the galvanised steel supports, forming holes; fixing in position, sealing and all labours associated with the integration and installation of the radiant panels; refer to Services Engineer's drawings and specifications for further details		item			
	Wall chase to concrete blockwork walls; allow for reinstating walls as before with polybond plaster to match existing following installation					
	Chasing					
C	40mm x 40mm vertical chase in masonry wall for conduit and enlarging at outlet boxes	100	m			
D	40mm x 40mm horizontal chase in masonry wall for conduit and enlarging at outlet boxes	40	m			
E	forming recesses for single outlet box	20	nr			
F	forming recesses for double outlet box	40	nr			
G	allow for associated electrical points, switches and the like as per services drawings		Item			
H	Refer to Service Engineer's drawings and schedule for further information		Note			

	Description	Qty	Unit	Rate	€	c
	EL (59 & 69) BUILDERS WORKS (Cont'd)					
	Concrete plinths; 150mm deep; including concrete, formwork, rebar and finishing as required					
	Bases					
A	2000 x 1000 x 150mm deep; (Boilers)	2	nr			
B	2000 x 900 x 150mm deep; (Heating System Expansion Vessels)	1	nr			
C	1500 x 1200 x 150mm deep; (Water Heater)	1	nr			
D	700 x 700 x 150mm deep; (Domestic Water System Expansion Vessels)	1	nr			
	Forming recess / channel in reinforced concrete floor for services; include for creation of trench for services below finished floor level in boiler room; allow for reinstating and leaving ready for flooring					
	Holes, mortices, chases and the like					
E	32mm diameter MWS rise into plant area / boiler house; refer to Services Engineers Drg Nr BW2	6	m			
F	125mm diameter Site lighting & Power into boiler house; refer to Services Engineers Drg Nr BW2	9	m			
G	100mm diameter Site Comms & CCTV into boiler house; refer to Services Engineers Drg Nr BW2	9	m			
H	180 x 180mm Floor gully with silt trap; SEN Changing places; refer to Services Engineers Drg Nr BW102	1	nr			
	Holes for services through reinforced concrete floor slab; 250mm thick; including fire stopping & making good around opes as specified; making good to all works disturbed on completion					
	Holes, mortices, chases and the like					
I	110mm diameter; drainage upstand (Ground Floor); (Ref UP); refer to Services Engineers Drg Nr BW102	34	nr			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (59 & 69) BUILDERS WORKS (Cont'd)					
A	110mm diameter waste stack (Ground Floor); (Ref WS); refer to Services Engineer Drg Nr BW102	5	nr			
B	110mm diameter soil stack (Ground Floor); (Ref SS); refer to Services Engineer Drg Nr BW102	4	nr			
C	110mm diameter soil vent pipe (Ground Floor); (Ref SVP); refer to Services Engineer Drg Nr BW102	2	nr			
D	300 x 300mm opes (Ground Floor) (Ref. B-N1 & B-N2); refer to Services Engineer Drg. Nr BW102	2	nr			
E	300 x 300mm opes (Ground Floor) (Ref. EV-N1 & EV-N2); refer to Services Engineer Drg. Nr BW102	2	nr			
	Holes for services through pre-cast floor slab; 200mm thick precast concrete floor slab; insitu concrete 75mm screed; mesh reinforcement; including fire stopping & making good around opes as specified; making good to all works disturbed on completion					
	Holes, mortices, chases and the like					
F	150mm x 100mm; (Ref S3); refer to Services Engineers Drg Nr BW103	2	nr			
G	200mm x 100mm; (Ref S4); refer to Services Engineers Drg Nr BW103	3	nr			
H	500mm x 300mm; (Ref S7); refer to Services Engineers Drg Nr BW103	1	nr			
I	110mm diameter soil vent pipe (Ground Floor); (Ref SVP); refer to Services Engineer Drg Nr BW102	1	nr			
	Holes for services through 325mm thick insitu concrete floor slab; insitu concrete 75mm screed; mesh reinforcement; including fire stopping & making good around opes as specified; making good to all works disturbed on completion					
	Holes, mortices, chases and the like					

	Description	Qty	Unit	Rate	€	c
	EL (59 & 69) BUILDERS WORKS (Cont'd)					
A	50mm x 50mm; (Ref S1); refer to Services Engineers Drg Nr BW103	9	nr			
B	150mm x 100mm; (Ref S3); refer to Services Engineers Drg Nr BW103	32	nr			
C	200mm x 100mm; (Ref S4); refer to Services Engineers Drg Nr BW103	4	nr			
D	200mm x 200mm; (Ref S5); refer to Services Engineers Drg Nr BW103	13	nr			
E	300mm x 300mm; (Ref S6); refer to Services Engineers Drg Nr BW103	1	nr			
F	500mm x 300mm; (Ref S7); refer to Services Engineers Drg Nr BW103	5	nr			
G	110mm diameter soil vent pipe (Ground Floor); (Ref SVP); refer to Services Engineer Drg Nr BW102	1	nr			
	Holes for services through external cavity walls; 215mm thick reinforced concrete inner leaf; 180mm cavity insulated; 225/295mm rainscreen cladding system outer leaf; including fire stopping & making good around opes as specified; making good to all works disturbed on completion					
	Holes, mortices, chases and the like					
H	700 x 350mm wall ope at ceiling void level (WL2/E) (Ground Floor)	1	nr			
I	700 x 350mm wall ope at ceiling void level (WL2/E) (First Floor)	4	nr			
J	125 x 125mm wall ope at ceiling void level (WL3/E) (Ground Floor)	2	nr			
K	300 x 300mm wall ope at ceiling void level (WL6/E) (Ground Floor)	1	nr			
L	300 x 300mm wall ope at ceiling void level (WL7/E) (First Floor)	2	nr			
M	200 x 200mm wall ope at ceiling void level (WL8/E) (Ground Floor)	10	nr			
N	700 x 350mm wall ope at ceiling void level (WL2/S) (Ground Floor)	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (59 & 69) BUILDERS WORKS (Cont'd)					
A	200 x 200mm wall ope at ceiling void level (WL1/P) (Ground Floor)	1	nr			
B	300 x 300mm wall ope at ceiling void level (WL2/P) (First Floor)	2	nr			
	Holes for services through external cavity walls; 215mm thick blockwork inner leaf; 180mm cavity insulated; 225/295mm rainscreen cladding system outer leaf; including fire stopping & making good around opes as specified; making good to all works disturbed on completion					
	Holes, mortices, chases and the like					
C	300 x 300mm wall ope at ceiling void level (WL1/E) (Ground Floor)	1	nr			
D	200 x 200mm wall ope at ceiling void level (WL5/E) (Ground Floor)	1	nr			
E	300 x 300mm wall ope at ceiling void level (WL1/S) (Ground Floor)	1	nr			
	Holes for services through external cavity walls; 215mm thick reinforced concrete inner leaf; 160mm partial filled insulated cavity (100mm); 100mm rendered blockwork wall outer leaf; including fire stopping & making good around opes as specified; making good to all works disturbed on completion					
	Holes, mortices, chases and the like					
F	700 x 350mm wall ope at ceiling void level (WL2/E) (Ground Floor)	4	nr			
G	125 x 125mm wall ope at ceiling void level (WL3/E) (Ground Floor)	4	nr			
H	125 x 125mm wall ope at ceiling void level (WL4/E) (First Floor)	1	nr			
I	200 x 200mm wall ope at ceiling void level (WL5/E) (First Floor)	1	nr			
J	200 x 200mm wall ope at ceiling void level (WL8/E) (Ground Floor)	1	nr			
K	700 x 350mm wall ope at ceiling void level (WL2/S) (Ground Floor)	4	nr			

	Description	Qty	Unit	Rate	€	c
	EL (59 & 69) BUILDERS WORKS (Cont'd)					
A	700 x 350mm wall ope at ceiling void level (WL2/S) (First Floor)	4	nr			
B	200 x 200mm wall ope at ceiling void level (WL1/P) (First Floor)	1	nr			
	Holes for services through external cavity walls; 215mm thick fairfaced masonry inner leaf; 160mm partial filled insulated cavity (100mm); 100mm rendered blockwork wall outer leaf; including fire stopping & making good around opes as specified; making good to all works disturbed on completion					
	Holes, mortices, chases and the like					
C	300 x 300mm wall ope at ceiling level void (WL6/E) (First Floor)	1	nr			
	Holes for services through internal walls; 120mm thick metal stud/system partition walls; including fire stopping & making good around opes as specified; making good to all works disturbed on completion					
	Holes, mortices, chases and the like					
D	200 x 200mm wall ope at ceiling void level (W3) (First Floor); NFR	6	nr			
E	300 x 300mm wall ope at ceiling void level (W6) (First Floor); NFR	4	nr			
F	300 x 300mm wall ope at ceiling void level (W6) (First Floor); FR60	1	nr			
	Holes for services through internal walls; 215mm thick fairfaced concrete block walls; including fire stopping & making good around opes as specified; making good to all works disturbed on completion					
	Holes, mortices, chases and the like					
G	150 x 150mm wall ope at ceiling void level (W2) (Ground Floor); NFR	2	nr			
H	200 x 200mm wall ope at ceiling void level (W3) (Ground Floor); NFR	7	nr			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (59 & 69) BUILDERS WORKS (Cont'd)					
A	200 x 200mm wall ope at ceiling void level (W3) (Ground Floor); FR30	3	nr			
B	200 x 200mm wall ope at ceiling void level (W3) (Ground Floor); FR60	1	nr			
C	200 x 200mm wall ope at ceiling void level (W3) (First Floor); NFR	8	nr			
D	200 x 200mm wall ope at ceiling void level (W3) (First Floor); FR30	1	nr			
E	200 x 200mm wall ope at ceiling void level (W3) (First Floor); FR60	4	nr			
F	250 x 250mm wall ope at ceiling void level (W4) (Ground Floor); FR30	1	nr			
G	250 x 250mm wall ope at ceiling void level (W4) (Ground Floor); FR60	1	nr			
H	250 x 250mm wall ope at ceiling void level (W4) (First Floor); NFR	2	nr			
I	250 x 250mm wall ope at ceiling void level (W4) (First Floor); FR30	1	nr			
J	250 x 250mm wall ope at ceiling void level (W4) (First Floor); FR60	2	nr			
K	300 x 200mm wall ope at ceiling void level (W5) (Ground Floor); NFR	5	nr			
L	300 x 200mm wall ope at ceiling void level (W5) (Ground Floor); FR30	4	nr			
M	300 x 200mm wall ope at ceiling void level (W5) (Ground Floor); FR60	1	nr			
N	300 x 300mm wall ope at ceiling void level (W6) (First Floor); NFR	1	nr			
O	300 x 300mm wall ope at ceiling void level (W6) (First Floor); FR60	1	nr			
P	500 x 200mm wall ope at ceiling void level (W10) (Ground Floor); FR30	1	nr			
Q	600 x 200mm wall ope at ceiling void level (W12) (Ground Floor); NFR	2	nr			
R	600 x 200mm wall ope at ceiling void level (W12) (Ground Floor); FR60	1	nr			

To Collection €

	Description	Qty	Unit	Rate	€	c
	EL (59 & 69) BUILDERS WORKS (Cont'd)					
A	600 x 200mm wall ope at ceiling void level (W12) (First Floor); NFR	4	nr			
B	600 x 200mm wall ope at ceiling void level (W12) (First Floor); FR30	1	nr			
C	600 x 200mm wall ope at ceiling void level (W12) (First Floor); FR60	4	nr			
D	700 x 300mm wall ope at ceiling void level (W15) (Ground Floor); FR60	1	nr			
E	700 x 300mm wall ope at ceiling void level (W15) (First Floor); FR60	2	nr			
F	800 x 200mm wall ope at ceiling void level (W16) (Ground Floor); NFR	1	nr			
G	800 x 200mm wall ope at ceiling void level (W16) (First Floor); NFR	2	nr			
H	800 x 200mm wall ope at ceiling void level (W16) (First Floor); FR60	1	nr			
I	900 x 300mm wall ope at ceiling void level (W19) (Ground Floor); NFR	2	nr			
J	900 x 300mm wall ope at ceiling void level (W19) (First Floor); FR30	1	nr			
K	1000 x 300mm wall ope at ceiling void level (W21) (Ground Floor); FR60	1	nr			
L	1200 x 300mm wall ope at ceiling void level (W24) (Ground Floor); FR60	2	nr			
	Holes for services through internal walls; 215mm thick insitu reinforced concrete walls; including fire stopping & making good around opes as specified; making good to all works disturbed on completion					
	Holes, mortices, chases and the like					
M	100 x 100mm wall ope at ceiling void level (W1) (Ground Floor); FR60	2	nr			
N	200 x 200mm wall ope at ceiling void level (W3) (Ground Floor); FR60	5	nr			
O	300 x 200mm wall ope at ceiling void level (W5) (Ground Floor); FR30	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (59 & 69) BUILDERS WORKS (Cont'd)					
A	300 x 200mm wall ope at ceiling void level (W5) (Ground Floor); FR60	2	nr			
B	350 x 350mm wall ope at ceiling void level (W7) (Ground Floor); NFR	2	nr			
C	400 x 200mm wall ope at ceiling void level (W8) (Ground Floor); FR60	2	nr			
D	400 x 300mm wall ope at ceiling void level (W9) (Ground Floor); FR60	2	nr			
E	500 x 200mm wall ope at ceiling void level (W10) (First Floor); FR30	1	nr			
F	500 x 200mm wall ope at ceiling void level (W10) (First Floor); FR60	2	nr			
G	500 x 300mm wall ope at ceiling void level (W11) (Ground Floor); FR60	2	nr			
H	600 x 200mm wall ope at ceiling void level (W12) (Ground Floor); FR60	1	nr			
I	600 x 200mm wall ope at ceiling void level (W12) (Ground Floor) (works to existing building); FR60	1	nr			
J	600 x 300mm wall ope at ceiling void level (W13) (Ground Floor); FR60	2	nr			
K	700 x 200mm wall ope at ceiling void level (W14) (Ground Floor); FR60	2	nr			
L	800 x 200mm wall ope at ceiling void level (W16) (Ground Floor); FR60	2	nr			
M	800 x 300mm wall ope at ceiling void level (W17) (Ground Floor); FR60	2	nr			
N	900 x 200mm wall ope at ceiling void level (W18) (Ground Floor); FR60	2	nr			
O	900 x 300mm wall ope at ceiling void level (W19) (Ground Floor); FR60	3	nr			
P	1000 x 200mm wall ope at ceiling void level (W20) (Ground Floor); FR60	2	nr			
Q	1100 x 200mm wall ope at ceiling void level (W22) (Ground Floor); FR60	2	nr			

	Description	Qty	Unit	Rate	€	c
	EL (59 & 69) BUILDERS WORKS (Cont'd)					
A	1100 x 300mm wall ope at ceiling void level (W23) (Ground Floor); FR60	2	nr			
B	1200 x 500mm wall ope at ceiling void level (W25) (Ground Floor); FR60	2	nr			
	Holes for services through internal walls; existing 350mm thick masonry cavity walls; including fire stopping & making good around opes as specified; making good to all works disturbed on completion					
	Holes, mortices, chases and the like					
C	600 x 200mm wall ope at ceiling void level (W12) (Ground Floor) (works to existing building); FR60	1	nr			
D	800 x 200mm wall ope at ceiling void level (W16) (Ground Floor) (works to existing building); FR60	1	nr			
	Holes for services through internal walls; external walls consisting of 350mm thick masonry cavity walls with insualted cavity and render finish and RC walls with insualted cavity and cladding with support system; including fire stopping & making good around opes as specified; making good to all works disturbed on completion					
	Holes, mortices, chases and the like					
E	25mm diameter holes in external wall; refer to Services Engineers Drg Nr BW102 & BW103	100	nr			
	Holes for services through internal walls; internal walls consisting of 120mm thick metal stud partitions & system partitions, 215mm thick RC walls & 215mm thick blockwork walls; including fire stopping & making good around opes as specified; making good to all works disturbed on completion					
	Holes, mortices, chases and the like					
F	25mm diameter holes in internal walls; refer to Services Engineers Drg Nr BW102 & BW103	20	nr			

	Description	Qty	Unit	Rate	€	c
	EL (59 & 69) BUILDERS WORKS (Cont'd)					
	Holes for services through internal walls; internal walls consisting of 120mm thick metal stud partitions & system partitions, 215mm thick RC walls & 215mm thick blockwork walls; including fire stopping & making good around opes as specified; making good to all works disturbed on completion					
	Holes, mortices, chases and the like					
A	600mm (w) x 1300mm (h) x 110mm (d) recess in 215mm thick blockwork wall (NFR); (Ref EX); Ground Floor; refer to Services Engineers Drg Nr BW102 & BW103	2	nr			
B	400mm (w) x 300mm (h) x 80mm (d) recess in 215mm thick blockwork wall (NFR); (Ref FAP/FARP); Ground Floor; refer to Services Engineers Drg Nr BW102 & BW103	2	nr			
	Holes for services through firerated mf ceiling; including fire stopping & making good around opes as specified; making good to all works disturbed on completion					
	Holes, mortices, chases and the like					
C	700 x 700mm fire rated access hatch; (Ref AH1); refer to Services Engineer Drg. Nr. BW102 & BW103	8	nr			
D	600 x 600mm fire rated access hatch; (Ref AH2); refer to Services Engineer Drg. Nr. BW102 & BW103	5	nr			
E	450 x 450mm fire rated access hatch; (Ref AH3); refer to Services Engineer Drg. Nr. BW102 & BW103	3	nr			
F	300 x 300mm fire rated access hatch; (Ref AH4); refer to Services Engineer Drg. Nr. BW102 & BW103	2	nr			
G	100mm diameter ope for ventialtion disc valve; (Ref DV-AF); refer to Services Engineer Drg. Nr. BW102 & BW103	12	nr			

	Description	Qty	Unit	Rate	€	c
	EL (59 & 69) BUILDERS WORKS (Cont'd)					
A	125mm diameter ope for ventialtion disc valve; (Ref DV-BF); refer to Services Engineer Drg. Nr. BW102 & BW103	2	nr			
B	160mm diameter ope for ventialtion disc valve; (Ref DV-CF); refer to Services Engineer Drg. Nr. BW102 & BW103	1	nr			
C	200mm diameter ope for ventilation disc valve; (Ref DV-DF); refer to Services Engineers Drg Nr BW102 & BW103	16	nr			
D	300 x 300mm ope in ceiling for 4-Way type ventilation grille c/w plenum box Madel DBQ range or equivalent; (Ref GV-EF); refer to Services Engineers Drg Nr BW102 & BW103	4	nr			
E	600 x 600mm cut out in ceiling for recessed light; (Ref L1); refer to Services Engineers Drg Nr BW102 & BW103	166	nr			
F	600 x 600mm cut out in ceiling for recessed light; (Ref L1); refer to Services Engineers Drg Nr BW102 & BW103; works in existing building	17	nr			
G	360mm diameter ope for recessed light; (Ref L2); refer to Services Engineers Drg Nr BW102 & BW103	84	nr			
H	360mm diameter ope for recessed light; (Ref L2); refer to Services Engineers Drg Nr BW102 & BW103; works in existing building	31	nr			
I	45mm diameter ope for recessed Emergency light; (Ref L3); refer to Services Engineers Drg Nr BW102 & BW103	62	nr			
J	45mm diameter ope for recessed Emergency light; (Ref L3); refer to Services Engineers Drg Nr BW102 & BW103; works in existing building	13	nr			

	Description	Qty	Unit	Rate	€	c
	EL (59 & 69) BUILDERS WORKS (Cont'd)					
A	450 x 450mm ope in ceiling for ventilation grille; (Ref G1); refer to Services Engineers Drg Nr BW102 & BW103	2	nr			
B	600 x 600mm ope in ceiling for ventilation grille; (Ref G2); refer to Services Engineers Drg Nr BW102 & BW103	10	nr			
C	3000mm long x 600mm wide radiant panel in mf fire rated ceiling; (Ref RP-07, 08, 09, 013, 014 & 015 & 028) (Ground Floor)	7	nr			
D	6000mm long x 600mm wide radiant panel in mf fire rated ceiling; (Ref RP-01, 02, 03, 04, 05, 06, 010, 011, 012, 016, 017, 018 & 029) (Ground Floor)	13	nr			
E	7200mm long x 600mm wide radiant panel in mf fire rated ceiling; (Ref RP-021, 022, 023, 024 & 025) (Ground Floor)	5	nr			
F	7800mm long x 600mm wide radiant panel in mf fire rated ceiling; (Ref RP-019) (Ground Floor)	1	nr			
G	9000mm long x 600mm wide radiant panel in mf fire rated ceiling; (Ref RP-019) (Ground Floor)	1	nr			
H	9000mm long x 1200mm wide radiant panel in mf fire rated ceiling; (Ref RP-026 & 27) (Ground Floor)	2	nr			
	Holes for services through roof structure and finish; composite metal deck roof, insulation with standing seam EQC and bauder or equivalent roofing system; seal openings with roof finish and weather proof as required in accordance with roofing manufacturers standard details and recomendations; including Fire Stopping & Making Good around opes as specified; making good to all works disturbed on completion					
	Holes, mortices, chases and the like					

	Description	Qty	Unit	Rate	€	c
	EL (59 & 69) BUILDERS WORKS (Cont'd)					
A	350 x 350mm clear internal ope for science room fume cupboard; (measured elsewhere); refer to Services Engineers Drg Nr BW103	1	nr			
B	110mm diameter; soil vent penetrations; refer to Note Nr 11 on Services Engineers Drg Nr BW102 & BW103	6	nr			
C	150mm x 150mm ope for galvanised steel roof cowl, (Ref RV1); refer to Services Engineers Drg Nr BW103	7	nr			
D	350mm x 350mm ope for galvanised steel roof cowl, (Ref RV2); refer to Services Engineers Drg Nr BW103	16	nr			
	Holes for services through steel beams; 203 UB's; including fire stopping & making good around opes as specified; making good to all works disturbed on completion					
	Holes, mortices, chases and the like					
E	125mm ope at roof/ceiling void level (S1)	12	nr			
	Holes for services through steel beams; including fire stopping & making good around opes as specified; making good to all works disturbed on completion					
	Holes, mortices, chases and the like					
F	125mm ope at roof/ceiling void level (SX)	15	nr			
	Ligntening Protection					
	Allow for the following attendances for lightening protection installations to roof					
G	allow for attendances generally for the installation of aluminium conductor tape on roof comes with fixing pads etc.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (59 & 69) BUILDERS WORKS (Cont'd)					
A	allow for attendances generally for the installation of junction clamps and bonds to structural steelwork, tape, down conductors etc.		Item			
B	allow for provision for lightning conductors 8 No. 300 x 300 earth inspection pits with heavy duty covers at ground level for LPS as per Services Engineers Drg Nr BW102		Item			
C	allow for provision for earthing and bonding 4 No. 300 x 300 earth inspection pits with heavy duty covers at ground level for LPS; all linked back to main board with 50mm diameter red PVC duct with sand bed & cover in 400 x 1000mm deep trench (duct and trench measured elsewhere) as per Services Engineers Drg Nr BW102		Item			
D	allow for attendances for the installation vertical air finials on roof and supports		Item			
	METALWORK					
	NON-STRUCTURAL					
	Metal Louvres to blockwork/ cladding; PPC Aluminium to Architect's choice of colour; Number of louvre banks: One; Louvre blade pitch and angle: To mechanical engineers requirements from standard manufucturers range; Blanking panels: As required and insulated; Accessories/ Other requirements: Stainless steel bird mesh; Fixing: Bolted to structure; (forming opening in structures measured elsewhere); all installations and weathering in accordance with the manufacturer's instructions; all in accordance with Architect's drawings and specifications					
	Composite item (Metal Louvres)					
E	1750mm wide x 425mm high opening size; cladding exterior	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (59 & 69) BUILDERS WORKS (Cont'd)					
A	375mm wide x 375mm high (blockwork Exterior)	2	nr			
B	2700mm wide x 425mm high (cladding exterior)	1	nr			
C	3500mm wide x 425mm high (cladding exterior)	1	nr			
D	1750mm wide x 425mm high (blockwork exterior)	1	nr			
E	2200mm wide x 250mm high (blockwork exterior)	4	nr			
F	865mm wide x 250mm high (blockwork exterior)	1	nr			
	PAINTING AND DECORATING					
	PAINTING					
	Cleaning down; dusting off; degreasing with "Temaprime MPH 465" or equivalent; applying 1 coat of "Temacoat GPLS" primer; 1 coat of "Temacoat GPL" undercoat; 1 coat "Temathane PLS HS" finish; selected colours; applied by brush or roller; to metalwork; all in accordance with drawings and specifications					
	Radiators					
G	exposed radiator pipework	350	m			
H	> 300mm wide; radiators	184	m2			
	Cleaning down; dusting off; degreasing with "Temaprime MPH 465" or equivalent; applying 1 coat of "Temacoat GPLS" primer; 1 coat of "Temacoat GPL" undercoat; 1 coat "Temathane PLS HS" finish; selected colours; applied by brush or roller; to metalwork; all in accordance with drawings and specifications					
	Metalwork					
I	exposed conduit drops to outlets, switches etc. where surface mounted	550	m			

Description	Qty	Unit	Rate	€	c
EL (59 & 69) BUILDERS WORKS (Cont'd)					
COLLECTION					
Page No. BQ/507					
Page No. BQ/508					
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Page No. BQ/524					
Page No. BQ/525					
EL (59 & 69) BUILDERS WORKS Carried to Summary					

	Description	Qty	Unit	Rate	€	c
	EL (74) SANITARY; HYGIENE FITTINGS					
	INFORMATION					
	1. The Contractor is advised that the Architect's, Structural and Services Engineer's Drawings and Specifications (Works Requirements) are all complimentary to each other and should be read in conjuntion with one another		Note			
	2. The Contractor shall refer to the Drawings and Specifications included in the Works Requirements, Volume A		Note			
	FITTINGS					
	SANITARY FITTINGS					
	Preambles					
A	The supply and installation of sanitary fittings and associated accessories shall be in accordance with Architect's Drawings, Sanitary Ware Schedule and Specification		note			
B	Sanitary ware fittings are deemed to include all necessary ancillaries, including grounds, plugs, fixings, mortices, bearers, connections to hot/ cold water supplies, connections to waste pipework, short lengths of suitably sized pipework where necessary to enable connections to tails, work associated with concealed pipework installations, and silicone sealing at abutment to all finishes.		note			
C	Sanitary ware fittings are deemed to include for all associated attendances required by mechanical and electrical subcontractors and other interfacing trades as necessary.		note			
D	Rates shall include for supplying and fixing of all short lengths of copper; supplying pipes of suitable sizes to connect the appliances to tails of pipes installed by the plumbing sub-contractor. Rates to include for complete installations including all wastes, traps, screw fixings, taps etc. and the like necessary to complete installations		Note			

	Description	Qty	Unit	Rate	€	c
	EL (74) SANITARY; HYGIENE FITTINGS (Cont'd)					
A	Please note that where noted any trade names mentioned are deemed to be followed by the wording or equivalent		note			
B	NOTE: In exceptional cases where it has not been possible to specify a generic element and a specific product has been named, an equivalent product to that specified is acceptable where it meets the technical, functional and aesthetic standards of that specified: the onus is on the contractor to ensure that an equivalent product to that specified meets the standard by means of an agrement cert, insurance - backed guarantee or warranty, detailed specifications, fire test certificates where applicable, brochure and other means of proof of compliance. Notwithstanding this, the appropriate foregoing documentation and samples are to be provided to the architect prior to being incorporated into the construction. Key performance characteristics of products are outlined in this document		note			
	Doc M Pack: Product reference: Monaco Doc M Pack S7075 LI or equivalent, with closed coupled WC and cistern with Spatula lever, handrinse basin with single lever mixer, grab rails, seat no cover; TMV thermostatic mixing valve, 15mm A5900, finish AA, all installations in accordance with manufacturer's instructions and in accordance with Architect's drawings and specifications					
	Fittings; sanitary					
C	Doc M Pack; left hand corner	2	nr			
D	Doc M Pack; right hand corner	2	nr			

	Description	Qty	Unit	Rate	€	c
	EL (74) SANITARY; HYGIENE FITTINGS (Cont'd)					
	Shower units Disabled Access, per M&E Drawings & Specification. Tray: Flush; Manufacturer: Contractor's choice. Product reference: Submit proposals. Size: 1700 x 1700 mm. Material: Selected Floor Finish. Shower fittings; CTV EL exposed concentric thermostatic mixer with extended lever & idealrain M3 shower kit A5785 AA. Shower Seat: folding 650mm projection fixed height S6632 XK, Multi system fixings: Multi-system back support fixed height S6635 XK; Water supply temperature (maximum): 43°C. Flow rate: 9 L/ min. at 37°C at 3 bar. Wastes: Grated, top access. Standards: To BS EN 274-1, -2 and -3. Manufacturer: Contractor's choice. Product reference: Submit proposals. Size: DN 40. Material: Stainless steel. Tail: Unslotted. Traps: Tubular, P type. Standards: To BS EN 274-1, -2 and -3. Manufacturer: Contractor's choice, all installations in accordance with manufacturer's instructions and in accordance with Architect's drawings and specifications					
	Fittings; sanitary					
A	shower	1	nr			
	WC Pan: Sandringham 21 or equivalent raised height close coupled WC pan, horizontal outlet, E8834 01, WC Seat: Uni toilet seat and cover E1316 01, WC Cistern: Sandringham 21 6 litre single flush bottom supply cistern to acheive 750mm projection with spatula lever E8987 01; all installations in accordance with manufacturer's instructions and in accordance with Architect's drawings and specifications					
	WC units; close coupled					
B	close coupled wc	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (74) SANITARY; HYGIENE FITTINGS (Cont'd)					
	WC Pan: Sandringham 21 or equivalent raised height close coupled WC pan, horizontal outlet, E8834 01, WC Seat: Uni toilet seat and cover E1316 01, WC Cistern: Sandringham 21 6/4 litre cistern, dual flush valve, bottom supply and internal overflow E8966 01; all installations in accordance with manufacturer's instructions and in accordance with Architect's drawings and specifications					
	WC units; close coupled					
A	close coupled wc	3	nr			
	WC Pan: Sandringham 21 or equivalent wall hung toilet bowl, horizontal outlet, V3910 01, WC Seat: Uni toilet seat and cover E1316 01, WC Cistern: Conceala 2 concealed cistern universal height, side inlet cistern, pneumatic dual flush valve, no flushplate, 6/3 litre flush E2125 67, WC Actuator: Contemporary flush plate dual flush for conceala 2 cisterns S4399 AA bottom supply and internal overflow E8966 01; WC Support bracket: Support bracket for wall mounted WC raised height with bolts S9139 67,all installations in accordance with manufacturer's instructions and in accordance with Architect's drawings and specifications					
	WC units					
B	WC; wall hung	5	nr			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (74) SANITARY; HYGIENE FITTINGS (Cont'd)					
	Washbasin: Portman 21 60cm or equivalent washbasin, 1 taphole, no overflow, no chainstay hole S2293 01; Waste 1 1/4" brass swivel plug waste, 80mm unslotted tail S8734 AA; Trap: 1 1/4" plastic bottle trap, 75mm seal, multi-purpose outlet S8910 67; Brassware: Contour 21 washbasin mixer thermoplastic, 1 hole, single sequential long lever, flexible tails A4131 AA, Washbasin Wall Fixings: Basin fixing set for IPS panels or block walls E0062 67; all installations in accordance with manufacturer's instructions and in accordance with Architect's drawings and specifications					
A	wash hand basins; panel mounted integrated plumbing systems and wall mounted	1	nr			
	Washbasin: Tempo 35cm or equivalent handrinse washbasin, left hand taphole T0595 01; Waste 1 1/4" brass strainer waste, 80mm slotted tail S8722 AA; Trap: 1 1/4" contemporary metal bottle, 75mm seal E0079 AA; Brassware: Sandringham 21 1/2" self closing pillar tap with 4 litre per minute flow regulator (single) S0673 AA, Washbasin Wall Fixings: Wall fixing set E0157 67; Wahbasin support bracket: Pair of steel wall hangers E5010 67, all installations in accordance with manufacturer's instructions and in accordance with Architect's drawings and specifications					
B	wash hand basins; wall mounted	3	nr			

	Description	Qty	Unit	Rate	€	c
	EL (74) SANITARY; HYGIENE FITTINGS (Cont'd)					
	Drinking fountains; Pedestal mounted; Manufacturer: to Architect's approval;Product reference: Purita; Material: Stainless steel, satin; Jet and valve: Drinking bottle filler; Manufacturer: Contractor's choice; Product reference: Submit proposals; Wastes: Grated; Standards: To BS EN 274-1, -2 and -3; Manufacturer: As Drinking fountain; Product reference: Submit proposals; Size: DN 30; Material: Brass, chrome plated; Tail: Unslotted; Traps: Tubular, P type; Standards: To BS EN 274-1, -2 and -3;Manufacturer: As Drinking fountain; Product reference: Submit proposals; Size: DN 30; Material: Copper; Depth of seal (minimum): 75 mm; Accessories: None; all installations in accordance with manufacturer's instructions and in accordance with Architect's drawings and specifications					
	Fittings; sanitary					
A	Drinking Fountain	2	nr			
	Grab rail; Manufacturer: Contractor's choice. Product reference: Submit proposals. Diameter: 35 mm. Material: Viny wrapped steel. Finish/ Colour: LRV contrast of 30 points to background; all installations in accordance with manufacturer's instructions and in accordance with Architect's drawings and specifications					
	Fittings; Sanitary					
B	Contour 21 C21 grab rail straight 60cm white straight (60 proj)	30	nr			
C	Contour 21 C21 grab rail straight 45cm white straight (60 proj)	3	nr			
D	Contour 21 C21 hinged support rail 80cm long x 35mm diameter, Doc M Compliant	4	nr			

	Description	Qty	Unit	Rate	€	c
	EL (74) SANITARY; HYGIENE FITTINGS (Cont'd)					
	Clothes Hooks; fixed to walls; plastic; all installations in accordance with manufacturers; all in accordance with Architects Drawings and specifications					
	Fittings; Sanitary					
A	clothes hooks	17	nr			
	Standard: To BS EN 13310. Product reference: Birch Sink & Bucket Grating S5915. Size: 380 x 510 mm. Material: Glazed fireclay, white. Tap/ Chainstay/ Overflow holes: Combined chainstay and overflow hole. Water supply fittings: Wall mounted taps on back plate elbow, Brassware: Alterna 21 bib taps 1/2" lever handles with anti-vandal outlet (pair) or equivalent B1457, Bib tap mount: Nimbus 21 or equivalent exposed bib tap wall mount with self centralising installation (pair) B1688; Water supply temperature (maximum): User controlled. Flow rate (maximum): 6 L/ min. at 3 bar. Manufacturer: Contractor's choice. Product reference: Submit proposals. Wastes: Chain and plug. Standards: To BS EN 274-1, -2 and -3. Manufacturer: Contractor's choice. Product reference: Submit proposals. Size: DN 50. Material: Stainless steel. Waste 1 1/2" unslotted strainer waste, Tail: 80mm tail, Brass S8726. Traps: 1 1/2" plastic bottle with 75mm seal, multi purpose outlet S8915. Manufacturer: Contractor's choice. Product reference: Submit proposals. Depth of seal (minimum): 75 mm. Accessories: Bucket Grate.; Sink Support: legs 350mm stainless steel with 355mm screw to wall aluminium alloy bearer, 305mm stud (pair) S9233; Domex Screw pack: Domex screws (pair) S9101; all installations in accordance with manufacturer's instructions and in accordance with Architect's drawings and specifications					
	fittings; Sanitary					
B	cleaners sink	2	nr			

	Description	Qty	Unit	Rate	€	c
	EL (74) SANITARY; HYGIENE FITTINGS (Cont'd)					
	Item: Toilet roll holders etc as shown. Manufacturer: Contractor's choice. Product reference: Submit proposals. Finish/ Colour: Polished stainless steel. Fixing: Plugged and screwed to wall. Other requirements: N/A. All in accordance with Architects drawings and specifications.					
	fittings; Sanitary					
A	toilet roll holders	13	nr			
	Floor Gulley Vinyl Floor-ACO EG150FVL/ VNL/110 floor gulley for vinyl sheet flooring;outside diameter 225mm; flow rate: 1.2l/s; weight: 1.2kg; Load Class: A; all installations in accordance with manufacturer's instructions and in accordance with Architect's drawings and specifications					
B	floor gullies	3	nr			
	Mirror material: Float glass, silvered to give maximum reflection, free from tarnishing, discoloration, scratches and other defects visible in the designed viewing conditions; Thickness: 6 mm; Backing: Polypropylene safety film; Edge treatment: Ground edge; Background: Fair faced masonry; Fixing method: Dome top wood screws with polyethylene sleeves and washers at 600 mm centres; Installation: Fixed accurately and securely without overtightening fasteners, to provide a flat surface giving a distortion free reflection; all installations in accordance with manufacturers instructions					
C	Mirrors					
D	size W500mm x H1200mm; bevel edged	5	nr			

Description	Qty	Unit	Rate	€	c
EL (74) SANITARY; HYGIENE FITTINGS (Cont'd)					
COLLECTION					
Page No. BQ/527					
Page No. BQ/528					
Page No. BQ/529					
Page No. BQ/530					
Page No. BQ/531					
Page No. BQ/532					
Page No. BQ/533					
Page No. BQ/534					
EL (74) SANITARY; HYGIENE FITTINGS Carried to Summary					

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS					
	INFORMATION					
	1. The Contractor is advised that the Architect's, Structural and Services Engineer's Drawings and Specifications (Works Requirements) are all complimentary to each other and should be read in conjuntion with one another		Note			
	2. The Contractor shall refer to the Drawings and Specifications included in the Works Requirements, Volume A		Note			
	FITTINGS					
	FITTINGS, EQUIPMENT AND FURNITURE					
A	Refer to Department of Education and Skills Technical Guidance Documents (TDGs) for further information in relation to the fitted furniture specifications and requirements. All furniture to be in accordance with the Department of Education guidelins and recommendations		note			
B	The Contractor shall liaise with the mechanical and electrical subcontractors in connection with cable routes, for general power, network/ communications, etc.		note			
C	The fitted furniture is deemed to include all necessary components including all framing, grounds and necessary fixings etc. as required by the manufacturer		note			
D	All PPC steelworks, frames and the like shall be powder coated finish to Architect's choice of colour		note			
E	The Contractor will be required to provide samples of the joinery or any unit at the Architect's request; for the Architect's approval prior to incorporation in the works.		item			
F	Manufacturer's names are for guidance only, fitting with equal specification are acceptable subject to Architect approval		note			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
	Rates to include for the supply, delivery and installation of all units		Note			
	All ironmongery, hardware and the like is deemed to be included		Note			
	All components and decorative high pressure laminate finish to Architect's choice of colour, as per 'Furniture finishes legend' indicated on Architects Drg Nr's DR-A-1241 & DR-A-1242		Note			
	All installations in accordance with the manufacturer's instructions and guidelines		Note			
	All furniture located in toilets and wet areas to be moisture resistant		Note			
	All laminated pieces to be formaldehyde free MDF with high pressure lamiante grade HGS EN 483		Note			
A	All dimensions to be check on site prior to manufacture		item			
B	Include for grounds to support furniture		Note			
C	The fitted furniture listed below is to included for all stainless steel sinks, belfast sinks, science sinks etc. complete with all associated taps, wastes and connections as required; Refer to Architect's Sanitary Ware Schedule for further details and Architect's specification		note			
D	Where drinking water provision has been indicated the taps are to be "Ideal Standard" 'Concept Blue Basin Mixer - B9918(AA) or other equal and approved; 2 taps to be allowed per sink to allow for both mains (drinking water) and blended hot water; A permanent engraved wall mounted label 'Drinking Water' shall be provided to each tap where required in accordance with the Architects Sanitary Ware Schedule and Specification		note			
E	Refer to Architect's specification and drawings for further details & layouts and specification for all fitted furniture		Note			

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
A	The fitted furniture shall be supplied complete with all specialist fittings fitted e.g. sinks, gas outlets, science taps, dillution pots, waste outlets and chemical resistant waste pipes between the sink outlets and the dillution pots, etc. Final connection by mechanical contractor.		Note			
B	The supply and installation of sanitary fittings and associated accessories shall be in accordance with Architect's Drawings, Sanitary Ware Schedule, Fitted Furniture Schedule and Specification		note			
C	Sanitary ware fittings are deemed to include all necessary ancillaries, including grounds, plugs, fixings, mortices, bearers, connections to hot/ cold water supplies, connections to waste pipework, short lengths of suitably sized pipework where necessary to enable connections to tails, work associated with concealed pipework installations, and silicone sealing at abutment to all finishes.		note			
D	Sanitary ware fittings are deemed to include for all associated attendances required by mechanical and electrical subcontractors and other interfacing trades as necessary.		note			
	Fittings; signage					
E	Please note that all wording to Signage is to be in both Irish Language and English and Braille where required.		note			
F	Signage to be designed fit for purpose with 10 year warranty		note			
G	Signage to be heavy duty with suitable coating to prevent colour deterioration		note			
H	Signs to be finished in satin paint finish to prevent glare.		note			
I	Fixings to Engineer and signage company details, fixings to be robust and vandal proof.		note			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
A	Fixings to have no sharp edges or protrusions that would cause confusion or injury to users, signage company to include for all fixings		note			
B	Signage package to be designed and installed by a one stop specialist design, supply and install signage company. Signage company to be responsible for developing the design with the Architects in line with 'Building for everyone' and TGD Part M, the overall design concept of the building and the end users/clients requirements.		note			
C	All signage to comply with Official Languages Act 2003		note			
	Signs; External Wayfinding signs; in Irish and English and directional arrows; 3 Nr aluminium sign plates (1 Nr 1200mm long x 280mm high & 2 Nr 1200mm long x 170mm high), RAL 9006 Satin finish PPC; Lettering: RAL 7043 Etch; Font SWIS 721 Lt Bt; RAL 9010 Etch Image Directional arrow; 2 Nr 50 x 50mm square section PPC aluminium post with plastic cap to top, RAL colour 9006; Posts fixed in 300mm x 300mm concrete footings to engineers details; contractor is to allow for all excavation and disposal and filling with concrete associated with footings; all in accordance with Architects Drawing DR-A-4111					
D	1300mm wide x 1200mm high; External wayfinding sign; Sign A1	1	nr			
E	1300mm wide x 1200mm high; External wayfinding sign; Sign A2	1	nr			

To Collection €

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
	Signs; Internal wall mounted signs; directory wall sign in Irish English and Braille; 3mm thick aluminium plate with embossed text and directional arrows, all with protective clear film over. Letters; colour RAL 9010. Front; Swis 721 Lt Bt. Background colour; RAL 7043, fixings and installation in accordance with the manufacturers instructions; all in accordance with the Architects Signage drawing and specification; refer to Architect's drawing DR-A-4111 for further details and specification for further details					
A	600mm long x 800mm high as detailed; Sign B1	1	nr			
B	600mm long x 800mm high as detailed; Sign B2	1	nr			
	Signs; Internal wall mounted signs; room name sign in Irish English and Braille also with room number; 3mm thick aluminium plate with embossed text, Text; RAL 7043, Front; SWIS 721 Lt Bt, Pin mounted securely onto wall no visible fixings all installations in accordance with the manufacturers instructions, top of sign located 1400mm above FFL; sign size min 300mm (varies depending on lettering) x 100mm; all in accordance with the Architects Signage drawing and specification; refer to Architect's drawing DR-A-4111 for further details and specification for further details					
C	300mm long (min 300mm varies depending on lettering) x 100mm high, Sign C	18	nr			

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
	Signs; Internal wall mounted signs; WC door symbol wall sign in Irish English and Braille also with room number; 3mm thick aluminium plate with embossed text, Text; RAL 7043, Front; SWIS 721 Lt Bt, Top of sign located 1400mm above floor level. Pin mounted securely onto wall no visible fixings all installations in accordance with the manufacturers instructions; all in accordance with the Architects Signage drawing and specification; refer to Architect's drawing DR-A-4111 for further details and specification for further details					
A	130mm wide x 170mm high; WC; Sign E1	7	nr			
B	130mm wide x 170mm high; Accessible WC; Sign E2	6	nr			
	Signage; Projecting wall sign located above door level; 3mm thick aluminium plate with embossed text. Text RAL 7043. Front SWIS 721 Lt Bt. Pin mounted securely onto wall no visible fixings; all in accordance with the Architects Signage drawing and specification; refer to Architect's drawing DR-A-4111 for further details and specification for further details					
C	170mm wide x 170mm high; Accessible WC; Sign F1	3	nr			
D	170mm wide x 170mm high; WC; Sign F2	3	nr			
	Signage; internal wall mounted identifying 'No Smoking'; fixings and installation in accordance with the manufacturers instructions; all in accordance with the Architects Signage drawing and specification; refer to Architect's drawing DR-A-4111 for further details and specification for further details					
E	210mm wide x 297mm high; 'No Smoking'; Sign D1	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
	Signage; internal wall mounted identifying 'BER cert'; Provide A4 frame surround; fixings and installation in accordance with the manufacturers instructions; all in accordance with the Architects Signage drawing and specification; refer to Architect's drawing DR-A-4111 for further details and specification for further details					
A	'BER Cert'; Sign D2	1	nr			
	Signage; internal wall mounted identifying 'induction loop'; fixings and installation in accordance with the manufacturers instructions; all in accordance with the Architects Signage drawing and specification; refer to Architect's drawing DR-A-4111 for further details and specification for further details					
B	200mm wide x 200mm high; 'Induction Loop'; Sign D3	1	nr			
	Classbase Nr 1 & Small Safe Space Nr 1					
	Furniture, furnishings; internal furnishings					
C	All components and decorative high pressure laminate finish to Architect's choice of colour, as per 'Furniture finishes legend' indicated on Architects Drg Nr's DR-A-1241 & DR-A-1242		note			

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
A	Wet area unit; (Ref Nr A); 850mm high x 600 deep x 1075mm long wet area unit (closed off by lockable unit doors) with 2575mm x 300mm high tile splashback (measured elsewhere) above unit, 1500mm long x 600mm deep, height adjustable stainless steel double drainer sink and single swivel on/off mixer tap (refer to TGD 002) including all wastes and traps; hot & cold water. 18mm thick MDF carcass with decorative high pressure laminate. 18mm thick MDF kickboard with decorative high pressure laminate and adjustable carcass support feet, Ironmongery; stainless steel door handles, reversed fixed through doors, high quality stainless steel or nickel plated self closing hinges (180 deg) and high quality cylinder style lock on masterkey system to suit schools requirements . 40x15mm varnished beech edge trim to work top. 18x18mm beech trim to edge of formica faced door consisting of 18mm plywood, all fixing in accordance with the manufacturer's instructions, refer to Architect's drawing Nr. DR-A-7004 for further details and specification	1	nr			
B	Coat Unit; (Ref Nr B); 1830mm long x 250mm deep x 1325mm high coat unit with MDF carcass, high pressure laminate finish and 18x18mm varnished beech trim to all exposed edges; 6 Nr coat hooks fixed to unit; all fixing in accordance with the manufacturer's instructions, refer to Architect's drawing Nr. DR-A-7004 for further details and specification	1	nr			
C	Wall capping board; (Ref Nr C); Size: 650mm x150mm x 25mm thick; fixed to side of wet area unit with approved fixings; MDF carcass, high pressure laminate finish; all fixing in accordance with the manufacturer's instructions, refer to Architect's drawing Nr. DR-A-7004 for further details and specification	1	nr			
	Furniture, furnishings; special purpose					

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
	Whiteboard; (Ref Nr D); Type: Wall mounted. Manufacturer: Submit proposals. Product reference: Submit proposals. Frame: Material: Aluminium. Finish/ Colour: Satin silver anodized. Surface: Manufacturer's standard. Markings: N/A. Colour: White . Accessories: Marker tray. Fixed 800mm above FFL; All in accordance with manufacturer's specifications and instructions. Refer to Architects drawing Nr. DR-A-7004 for further details.					
A	size; 2400mm x 1200mm	2	nr			
B	Pinboards, (Ref Nr E); Type: Wall mounted, fixed in accordance with manufacturers instructions. Manufacturer: Forbo or equivalent to Architects approval, Product reference: Bulletin Board, Size: 2400x1200mm. Colour TBC. Fixed 800mm above FFL; Refer to Architects drawing Nr DR-A-7004 for further details.	1	nr			
	Classbase Nr 2 & Small Safe Space Nr 2					
	Furniture, furnishings; internal furnishings					
C	All components and decorative high pressure laminate finish to Architect's choice of colour, as per 'Furniture finishes legend' indicated on Architects Drg Nr's DR-A-1241 & DR-A-1242		note			

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
A	Wet area unit; (Ref Nr A); 850mm high x 600 deep x 1075mm long wet area unit (closed off by lockable unit doors) with 2575mm x 300mm high tile splashback (measured elsewhere) above unit, 1500mm long x 600mm deep, height adjustable stainless steel double drainer sink and single swivel on/off mixer tap (refer to TGD 002) including all wastes and traps; hot & cold water. 18mm thick MDF carcass with decorative high pressure laminate. 18mm thick MDF kickboard with decorative high pressure laminate and adjustable carcass support feet, Ironmongery; stainless steel door handles, reversed fixed through doors, high quality stainless steel or nickel plated self closing hinges (180 deg) and high quality cylinder style lock on masterkey system to suit schools requirements. 40x15mm varnished beech edge trim to work top. 18x18mm beech trim to edge of formica faced door consisting of 18mm plywood, all fixing in accordance with the manufacturer's instructions, 2 Nr. 50mm x 50mm continous SW bearers fixed to back of unit; bearers fixed to wall with approved fixings refer to Architect's drawing Nr. DR-A-7005 for further details and specification	1	nr			
B	Coat Unit; (Ref Nr C); 1830mm long x 250mm deep x 1325mm high coat unit with MDF carcass, high pressure laminate finish and 18x18mm varnished beech trim to all exposed edges; 6 Nr coat hooks fixed to unit; all fixing in accordance with the manufacturer's instructions, refer to Architect's drawing Nr. DR-A-7005 for further details and specification	1	nr			
C	Wall capping board; (Ref Nr B); Size: 650mm x150mm x 25mm thick; fixed to side of wet area unit with approved fixings; MDF carcass, high pressure laminate finish; all fixing in accordance with the manufacturer's instructions, refer to Architect's drawing Nr. DR-A-7005 for further details and specification	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
	Furniture, furnishings; special purpose					
	Whiteboard; (Ref Nr E); Type: Wall mounted. Manufacturer: Submit proposals. Product reference: Submit proposals. Frame: Material: Aluminium. Finish/ Colour: Satin silver anodized. Surface: Manufacturer's standard. Markings: N/A. Colour: White . Accessories: Marker tray. Fixed 800mm above FFL; All in accordance with manufacturer's specifications and instructions. Refer to Architects drawing Nr. DR-A-7005 for further details.					
A	size; 2400mm x 1200mm	2	nr			
B	Pinboards, (Ref Nr D); Type: Wall mounted, fixed in accordance with manufacturers instructions. Manufacturer: Forbo or equivalent to Architects approval, Product reference: Bulletin Board, Size: 1200x1200mm. Colour TBC. Fixed 800mm above FFL; Refer to Architects drawing Nr. DR-A-7005 for further details.	1	nr			
	Daily Living Skills					
	Furniture, furnishings; internal furnishings					
C	All components and decorative high pressure laminate finish to Architect's choice of colour, as per 'Furniture finishes legend' indicated on Architects Drg Nr's DR-A-1241 & DR-A-1242		note			

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
	Base storage unit, 'BU1' (Ref Nr L); 40mm MDF decorative worktop (measured elsewhere), 18mm MDF doors and carcass with high pressure laminate as detailed and 18 x 18mm varnished beech edge trim to all exposed edges, including all associated ironmongery, SS "D" shape handles and 180 degree self closing hinges, cylinder type locks; 1 Nr. 435mm deep 18mm thick height adjustable MDF shelf in press with high pressure laminate all sides, 18mm thick MDF back panel with decorative high-pressure laminate; 100mm high x 18mm thick MDF kickboard with decorative high pressure laminate with adjustable carcass support feet; 2 Nr. 50mm x 50mm continous SW bearers fixed to back of unit; bearers fixed to wall with approved fixings; all fixing in accordance with the manufacturer's instructions, refer to Architect's drawing Nr. DR-A-4214 and specification for further details.					
A	500mm wide x 600mm deep x 860mm high	6	nr			
B	900 x 850 x 900mm high corner base storage unit, CBU1 (Ref Nr M); 40mm MDF worktop with decorative high pressure laminate, 40 x 15mm varnished beech edge trim to all exposed edges (measured elsewhere), 18mm MDF doors and carcass with high pressure laminate as detailed and 18 x 18mm varnished beech edge trim to all exposed edges, including all associated ironmongery, SS "D" shape handles and 180 degree self closing hinges, cylinder type locks; 18mm thick MDF back panel with decorative high-pressure laminate; 100mm high x 18mm thick MDF kickboard with decorative high pressure laminate with adjustable carcass support feet; 2 Nr. 50mm x 50mm continous SW bearers fixed to back of unit; bearers fixed to wall with approved fixings; all fixing in accordance with the manufacturer's instructions, refer to Architect's drawing Nr. DR-A-4204 and specification for further details.	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
	High Level storage unit, 'HL1' - (Ref Nr P); 18mm thick MDF carcass and doors with decorative high-pressure laminate, Ironmongery: Stainless steel "D" shape handles. 180° self-closing hinges, cylinder type locks. 18mm thick height adjustable MDF shelf with high pressure laminate all sides; 12mm thick MDF back panel with decorative high-pressure laminate. 1 Nr. 50mm x 35mm sw bearer fixed to back of unit at top and 1 Nr. 35mm x 35mm sw bearer at back of unit on bottom to allow conduit drops behind unit - if required, all fixing in accordance with the manufacturer's instructions, refer to Architect's drawing Nr. DR-A-4210 and specification for further details.					
A	795mm long x 300mm deep x 720mm high	1	nr			
	Moisture resistant worktop; (Ref Nr Q); 40mm Moisture resistant MDF worktop with selected high pressure laminate and 40 x 15mm varnished beech edge trim to all exposed edges, 35mm thick continous SW bearer fixed to wall with approved fixings; worktop fixed in place with approved fixings; inset Sandringham 1000mm or equivalent stainless steel kitchen sink pack & drainer with single lever kitchen mixer, including all wastes and traps; hot & cold water, include for cutting out ope for fitting of stainless steel sink,18mm thick MDF carcass with decorative high pressure laminate. Knee space required below countertop, adjustable carcass support feet, all fixing in accordance with the manufacturer's instructions, refer to Architect's drawing Nr. DR-A-7007 for further details and specification					
B	1455mm long x 660mm deep x 900mm high; open underneath	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
	Worktop; (Ref Nr N); 40mm MDF worktop with decorative high pressure laminate and 40 x 15mm varnished beech edge trim to all exposed edges, sitting on SW bearer at junction with wall, worktop fixed in place with approved fixings; All in accordance with manufacturer's specifications and instructions. Refer to Architects drawing Nr DR-A-7007 for further details.					
A	2400mm long x 660mm deep x 900mm high; 4 Nr base storage units underneath (Ref Nr L); (measured elsewhere)	1	nr			
B	1835mm long x 660mm deep x 900mm high; 2 Nr base storage units underneath (Ref Nr L); (measured elsewhere)	1	nr			
C	1202mm long x 660mm deep x 900mm high; Dishwasher and Fridge space underneath	1	nr			
D	850mm long x 660mm deep x 900mm high; Corner base storage 'CBU1' unit underneath (measured elsewhere)	1	nr			
	Home Economics					
	Furniture, furnishings; internal furnishings					
E	All components and decorative high pressure laminate finish to Architect's choice of colour, as per 'Furniture finishes legend' indicated on Architects Drg Nr's DR-A-1241 & DR-A-1242		note			

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
	Drawer unit, 'DU1'; (Ref Nr A); 40mm MDF worktop with decorative high pressure laminate (measured elsewhere), 40 x 15mm varnished beech edge trim to all exposed edges, 3 Nr. drawer units, sizes as per drawing; 18mm MDF drawer doors and carcass with high pressure laminate as detailed and 18 x 18mm varnished beech edge trim to all exposed edges, including all associated ironmongery, SS "D" shape handles, drawer runners, cylinder type locks; 18mm thick MDF back panel with decorative high-pressure laminate; 160mm high x 18mm thick MDF kickboard with decorative high pressure laminate with adjustable carcass support feet, 2 Nr. 50mm x 50mm continous SW bearers fixed to back of unit; bearers fixed to wall with approved fixings; all fixing in accordance with the manufacturer's instructions, refer to Architect's drawing Nr. DR-A-4204 and specification for further details.					
A	600mm wide x 600mm deep x 860mm high	10	nr			
	Tall Unit with opening to match cooker height, 'TU1'; (Ref Nr B); 18mm MDF doors and carcass with high pressure laminate as detailed and 18 x 18mm varnished beech edge trim to all exposed edges, 1 Nr. drawer unit and 1 Nr. Press with double doors, sizes as per drawing; including all associated ironmongery, SS "D" shape handles and 180 degree self closing hinges, drawer runners, cylinder type locks; 1 Nr. 435mm deep 18mm thick height adjustable MDF shelf in press with high pressure laminate all sides, 18mm thick MDF back panel with decorative high-pressure laminate, 100mm high x 18mm thick MDF kickboard with decorative high pressure laminate with adjustable carcass support feet, 3 Nr. 50mm x 50mm continous SW bearers fixed to back of unit; bearers fixed to wall with approved fixings; all fixing in accordance with the manufacturer's instructions, refer to Architect's drawing Nr. DR-A-4204 and specification for further details.					
B	600mm wide x 600mm deep x 2100mm high	2	nr			

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
	Base storage unit, 'BU1' (Ref Nr C); Adjustable Worktop with inset stainless steel sink (measured elsewhere), 18mm MDF doors and carcass with high pressure laminate as detailed and 18 x 18mm varnished beech edge trim to all exposed edges, including all associated ironmongery, SS "D" shape handles and 180 degree self closing hinges, cylinder type locks; 1 Nr. 435mm deep 18mm thick height adjustable MDF shelf in press with high pressure laminate all sides, 18mm thick MDF back panel with decorative high-pressure laminate; 100mm high x 18mm thick MDF kickboard with decorative high pressure laminate with adjustable carcass support feet; 2 Nr. 50mm x 50mm continous SW bearers fixed to back of unit; bearers fixed to wall with approved fixings; all fixing in accordance with the manufacturer's instructions, refer to Architect's drawing Nr. DR-A-4214 and specification for further details.					
A	500mm wide x 600mm deep x 860mm high	27	nr			
B	900 x 850 x 900mm high corner base storage unit, 'CBU1' (Ref Nr E); 40mm MDF worktop with decorative high pressure laminate, 40 x 15mm varnished beech edge trim to all exposed edges (measured elsewhere), 18mm MDF doors and carcass with high pressure laminate as detailed and 18 x 18mm varnished beech edge trim to all exposed edges, including all associated ironmongery, SS "D" shape handles and 180 degree self closing hinges, cylinder type locks; 18mm thick MDF back panel with decorative high-pressure laminate; 100mm high x 18mm thick MDF kickboard with decorative high pressure laminate with adjustable carcass support feet; 2 Nr. 50mm x 50mm continous SW bearers fixed to back of unit; bearers fixed to wall with approved fixings; all fixing in accordance with the manufacturer's instructions, refer to Architect's drawing Nr. DR-A-4204 and specification for further details.	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
	Base storage unit, 'BU2' (Ref Nr F); Adjustable Worktop with inset stainless steel sink (measured elsewhere), 18mm MDF doors and carcass with high pressure laminate as detailed and 18 x 18mm varnished beech edge trim to all exposed edges, including all associated ironmongery, SS "D" shape handles and 180 degree self closing hinges, cylinder type locks; 1 Nr. 435mm deep 18mm thick height adjustable MDF shelf in press with high pressure laminate all sides, 18mm thick MDF back panel with decorative high-pressure laminate; 100mm high x 18mm thick MDF kickboard with decorative high pressure laminate with adjustable carcass support feet; 2 Nr. 50mm x 50mm continous SW bearers fixed to back of unit; bearers fixed to wall with approved fixings; all fixing in accordance with the manufacturer's instructions, refer to Architect's drawing Nr. DR-A-4214 and specification for further details.					
A	600mm wide x 600mm deep x 860mm high	11	nr			
	High Level storage unit, 'HL1' - (Ref Nr H); 18mm thick MDF carcass and doors with decorative high-pressure laminate, Ironmongery: Stainless steel "D" shape handles. 180° self-closing hinges, cylinder type locks. 18mm thick height adjustable MDF shelf with high pressure laminate all sides; 12mm thick MDF back panel with decorative high-pressure laminate. 1 Nr. 50mm x 35mm sw bearer fixed to back of unit at top and 1 Nr. 35mm x 35mm sw bearer at back of unit on bottom to allow conduit drops behind unit - if required, all fixing in accordance with the manufacturer's instructions, refer to Architect's drawing Nr. DR-A-4210 and specification for further details.					
B	795mm long x 300mm deep x 720mm high	3	nr			

Description	Qty	Unit	Rate	€	c
EL (79) GENERAL FITTINGS (Cont'd)					
High adjustable sink and hob unit, 'HA-WT1' - (Ref Nr J); 40mm Moisture resistant MDF worktop with selected high pressure laminate and 40 x 15mm varnished beech edge trim to all exposed edges; inset 140mm deep stainless steel single drainer sink, grade 316, with pop up waste and ceramic disk mixer tap, lever action including all wastes and traps; hot & cold water, include for cutting out ope for fitting of stainless steel sink & hob, inset electric hob supplied by client, 18mm thick removable MDF panel with decorative high pressure laminate, heavy duty steel manually height adjustable legs or height adjustable frame to support worktop range 640mm - 940mm, powder coated to selected colour with mechanical control (removable winder or other approved mechanism); Splashback; 150 x 6 mm, solid core laminate finish to match worktop; all fixing in accordance with the manufacturer's instructions, refer to Architect's drawing Nr. DR-A-4203 and specification for further details.					
A 2200mm long x 600mm deep x (640mm - 940mm) high above FFL height varies; 2 Nr Base storage units ' BU1' underneath (measured elsewhere)	1	nr			

To Collection €

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
	Teaching wall unit with integrated storage; 'TW1' - (Ref Nr G); Carcass with doors and shelves; Top hung sliding screens fitting twin parallel tracks, and aluminium frame. 9mm pre finished MDF infill panel to 2 Nr doors for fixing of whiteboards, 7mm whiteboard fixed to MDF backing, 9mm pre finished MDF infill panel to 2 Nr doors for fixing of Pinboard, 7mm Pinboard fixed to MDF backing; 18mm MDF doors with decorative high pressure laminate and 18 x 18mm varnished beech edge trim to all exposed edges, 18mm MDF carcass with decorative high pressure laminate; 40mm MDF worktop with decorative high pressure laminate and 40 x 15mm varnished Beech edge trim to all exposed edges, Shelves: 25mm thick 320mm wide MDF shelving with decorative high pressure laminate, 1000mm high adjustable shelving system 8 no double slot uprights, colour: white; Ironmongery: Stainless steel "D" shape handle, 210mm long & 20mm diameter, reversed fixed through doors, high quality stainless steel or nickle plated 180° self closing hinges, high quality cylinder type lock on masterkey system to suit the schools requirements; 120mm high x 18mm thick MDF kickboard with decorative high pressure laminate and adjustable carcass support feet; Silver anodised aluminium double top track and bottom guide; channel complete with all stoppers, running gears and guides; suitable to support the doors smooth movement; include for TV metal bracket, fixed to wall & interactive TV or projector (Interative board supplied by the client), the surface of the screen must be flush with front face of unit; all installations & fixings in accordance with the manufacturer's instructions; refer to Architect's drawing Nr. DR-A-4201 and specifications for further details & requirements					
A	6550mm long x 435mm deep x 2615mm high	1	nr			

To Collection €

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
	Microwave support shelf with services box outs (Ref Nr P); 40mm MDF worktop with decorative high pressure laminate and 40 x 15mm varnished beech edge trim to all exposed edges, 180mm wide along overall lenght of box out with 4 Nr 300mm radius semi circle extensions at each shelf location as per detail, 18mm thick removeable MDF panel with decorative high pressure laminate fixed onto and including 4 Nr 100mm x 40mm continuous SW battens fixed to wall with approved fixings; microwave support bracket in MDF carcass with decorative high pressure laminate; fixed in place with approved fixings; All in accordance with manufacturer's specifications and instructions. Refer to Architects drawing Nr DR-A-4203 for further details.					
A	480mm deep x 900mm high above FFL	16	m			
B	Wall capping board; (Ref Nr N); Size: 2850mm x150mm x 25mm thick MDF low wall capping board; fixed to on top of worktop unit with approved fixings; MDF carcass, high pressure laminate finish; all fixing in accordance with the manufacturer's instructions, refer to Architect's drawing Nr. DR-A-7008 for further details and specification	4	nr			
	Worktop; (Ref Nr L); 40mm MDF worktop with decorative high pressure laminate and 40 x 15mm varnished beech edge trim to all exposed edges, sitting on SW bearer at junction with wall, worktop fixed in place with approved fixings; All in accordance with manufacturer's specifications and instructions. Refer to Architects drawing Nr DR-A-7008 for further details.					
C	600mm long x 660mm deep x 900mm high above FFL; 8 Nr Drawer units ' DU1' underneath (measured elsewhere)	8	nr			
D	798mm long x 795mm deep x 900mm high above FFL; corner unit; allow for cutting notch of 235mm x 235mm in corner; 1 Nr corner base unit ' CBU1' underneath (measured elsewhere)	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
A	1100mm long x 660mm deep x 900mm high above FFL; 1 Nr Drawer unit ' DU1' & 1 Nr Base Storage unit 'BU1' underneath (measured elsewhere)	1	nr			
B	1700mm long x 625mm deep x 900mm high above FFL; Washing & Dryer space & 1 Nr Base storage unit ' BU1' underneath (measured elsewhere)	1	nr			
	Worktop with single sink 'WTS1'; (Ref Nr K); 40mm Moisture resistant MDF worktop with selected high pressure laminate and 40 x 15mm varnished beech edge trim to all exposed edges, sitting on SW bearer at junction with wall, 6mm mastic seal to specification as per detail; countertop fixed in place with approved fixings; inset Sandringham 1000mm or equivalent stainless steel kitchen sink pack & drainer with single lever kitchen mixer, including all wastes and traps; hot & cold water, include for cutting out ope for fitting of stainless steel sink,, all fixing in accordance with the manufacturer's instructions, refer to Architect's drawing Nr. DR-A-4209 for further details and specification					
C	1600mm long x 625mm deep x 900mm high above FFL; 2 Nr Base storage units ' BU1' & 1 Nr Base storage unit 'BU2' underneath (measured elsewhere); allow for notch of 235mm x 235mm to be taken out of the corner of the worktop as per RDS DR-A-7008	1	nr			
D	1600mm long x 625mm deep x 900mm high above FFL; 2 Nr Base storage units ' BU1' & 1 Nr Base storage unit 'BU2' underneath (measured elsewhere); allow for notch of 235mm x 235mm to be taken out of the corner of the worktop as per RDS DR-A-7008	1	nr			
E	1600mm long x 625mm deep x 900mm high above FFL; 2 Nr Base storage units ' BU1' & 1 Nr Base storage unit 'BU2' underneath (measured elsewhere)	7	nr			

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
A	2200mm long x 625mm deep x 900mm high above FFL; 3 Nr Base storage units ' BU1' & 1 Nr Base storage unit 'BU2' underneath (measured elsewhere)	1	nr			
B	2200mm long x 625mm deep x 900mm high above FFL; 2 Nr Base storage units ' BU1' & 1 Nr Base storage unit 'BU2' & 1 Nr Drawer unit 'DU1' underneath (measured elsewhere)	1	nr			
	Worktop with Double sink 'WTS2'; (Ref Nr M); 40mm Moisture resistant MDF worktop with selected high pressure laminate and 40 x 15mm varnished beech edge trim to all exposed edges, sitting on SW bearer at junction with wall, 6mm mastic seal to specification as per detail; countertop fixed in place with approved fixings; inset Sandringham 1000mm or equivalent stainless steel kitchen sink pack & drainer with single lever kitchen mixer, including all wastes and traps; hot & cold water, include for cutting out ope for fitting of stainless steel sink, all fixing in accordance with the manufacturer's instructions, refer to Architect's drawing Nr. DR-A-4209 for further details and specification					
C	1650mm long x 625mm deep x 900mm high above FFL; 2 Nr Base storage units ' BU1' underneath (measured elsewhere)	1	nr			
	SEN Office					
	Furniture, furnishings; internal furnishings					
D	All components and decorative high pressure laminate finish to Architect's choice of colour, as per 'Furniture finishes legend' indicated on Architects Drg Nr's DR-A-1241& DR-A-1242		note			

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
	Computer Worktop 'CWT1'. 40mm MDF worktop with decorative high pressure laminate and 40 x 15mm varnished beech edge trim to all exposed edges; 60mm diameter chrome worktop legs fixed to worktop and floor, 35mm thick continous SW bearer fixed to wall with approved fixings; Aluminium cable grommets; All in accordance with manufacturer's specifications and instructions. Refer to Architects drawing Nr DR-A- 4208 for further details.					
A	3000mm long x 550mm deep x 720mm high; Ref Nr A	1	nr			
B	2300mm long x 550mm deep x 720mm high; Ref Nr B	1	nr			
	Furniture, furnishings; special purpose					
C	Pinboards, (Ref Nr C); Type: Wall mounted, fixed in accordance with manufacturers instructions. Manufacturer: Forbo or equivalent to Architects approval, Product reference: Bulletin Board, Size: 1200x1200mm. Colour TBC. Fixed 800mm above FFL; Refer to Architects drawing Nr DR-A- 7001 for further details.	1	nr			
	DCC & Sluice					
	Furniture, furnishings; internal furnishings					
D	All components and decorative high pressure laminate finish to Architect's choice of colour, as per 'Furniture finishes legend' indicated on Architects Drg Nr's DR-A-1241& DR-A-1242		note			

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
	Base storage unit, 'BU2' (Ref Nr A); Moisture resistant MDF Adjustable Worktop with inset stainless steel sink (measured elsewhere), 18mm MDF doors and carcass with high pressure laminate as detailed and 18 x 18mm varnished beech edge trim to all exposed edges, including all associated ironmongery, SS "D" shape handles and 180 degree self closing hinges, cylinder type locks; 1 Nr. 435mm deep 18mm thick height adjustable MDF shelf in press with high pressure laminate all sides, 18mm thick MDF back panel with decorative high-pressure laminate; 100mm high x 18mm thick MDF kickboard with decorative high pressure laminate with adjustable carcass support feet; 2 Nr. 50mm x 50mm continous SW bearers fixed to back of unit; bearers fixed to wall with approved fixings; all fixing in accordance with the manufacturer's instructions, refer to Architect's drawing Nr. DR-A-4214 and specification for further details.					
A	600mm wide x 600mm deep x 860mm high	2	nr			
	High Level open shelving unit, (Ref Nr B); shelving divided into 3 x 2 equal spaced cubes, fixed to wall 1300mm above FFL, 18mm thick MDF carcass and shelves with decorative high-pressure laminate all sides; 12mm thick MDF back panel with decorative high-pressure laminate. 1 Nr. 50mm x 35mm sw bearer fixed to back of unit at top and 1 Nr. 35mm x 35mm sw bearer at back of unit on bottom to allow conduit drops behind unit - if required, all fixing in accordance with the manufacturer's instructions, refer to Architect's drawing Nr. DR-A-7010 and specification for further details.					
B	900mm x 1200mm wide	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
	Worktop with single sink 'WTS1'; (Ref Nr C); 40mm Moisture resistant MDF worktop with selected high pressure laminate and 40 x 15mm varnished beech edge trim to all exposed edges, sitting on SW bearer at junction with wall, 6mm mastic seal to specification as per detail; countertop fixed in place with approved fixings; inset Sandringham 1000mm or equivalent stainless steel kitchen sink pack & drainer with single lever kitchen mixer, including all wastes and traps; hot & cold water, include for cutting out ope for fitting of stainless steel sink, all fixing in accordance with the manufacturer's instructions, refer to Architect's drawing Nr. DR-A-4209 for further details and specification					
A	1200mm long x 625mm deep x 900mm high above FFL; 2 Nr Base storage units ' BU2' underneath (measured elsewhere)	1	nr			
	SEN Store No 1					
	Furniture, furnishings; shelving					
B	All components and decorative high pressure laminate finish to Architect's choice of colour, as per 'Furniture finishes legend' indicated on Architects Drg Nr's DR-A-1241 & DR-A-1242		note			
C	shelving (Ref Nr A); - 4 tier, 3355mm long; wall mounted adjustable shelves; 600mm wide; shelves 25mm thick MDF with decorative high pressure laminate, 7 Nr 1900mm high white adjustable shelving system with heavy duty brackets; refer to Architect's drawing Nr DR-A-7011and specifications for further details and requirements	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
A	shelving (Ref Nr B); - 4 tier, 3195mm long; wall mounted adjustable shelves; 600mm wide; shelves 25mm thick MDF with decorative high pressure laminate, 6 Nr 1900mm high white adjustable shelving system with heavy duty brackets; refer to Architect's drawing Nr DR-A-7011 and specifications for further details and requirements	1	nr			
	Music Room					
	Furniture, furnishings; internal furnishings					
B	All components and decorative high pressure laminate finish to Architect's choice of colour, as per 'Furniture finishes legend' indicated on Architects Drg Nr's DR-A-1241 & DR-A-1242		note			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
	Teaching wall unit with integrated storage; 'TW2' - (Ref Nr A); Carcass with doors and shelves; Top hung sliding screens fitting twin parallel tracks, and aluminium frame. 9mm pre finished MDF infill panel to 2 Nr doors for fixing of whiteboards, 7mm whiteboard fixed to MDF backing, 9mm pre finished MDF infill panel to 2 Nr doors for fixing of Pinboard, 7mm Pinboard fixed to MDF backing; 18mm MDF doors with decorative high pressure laminate and 18 x 18mm varnished beech edge trim to all exposed edges, 18mm MDF carcass with decorative high pressure laminate; 40mm MDF worktop with decorative high pressure laminate and 40 x 15mm varnished Beech edge trim to all exposed edges, Shelves: 25mm thick 320mm wide MDF shelving with decorative high pressure laminate, 1000mm high adjustable shelving system 8 no double slot uprights, colour: white; Ironmongery: Stainless steel "D" shape handle, 210mm long & 20mm diameter, reversed fixed through doors, high quality stainless steel or nickle plated 180° self closing hinges, high quality cylinder type lock on masterkey system to suit the schools requirements; 120mm high x 18mm thick MDF kickboard with decorative high pressure laminate and adjustable carcass support feet; Silver anodised aluminium double top track and bottom guide; channel complete with all stoppers, running gears and guides; suitable to support the doors smooth movement; include for TV metal bracket, fixed to wall & interactive TV or projector (Interative board supplied by the client), the surface of the screen must be flush with front face of unit; all installations & fixings in accordance with the manufacturer's instructions; refer to Architect's drawing Nr. DR-A-4205 and specifications for further details & requirements					
A	5350mm long x 435mm deep x 2615mm high	1	nr			

To Collection €

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
	Storage Unit with Sliding Doors;'SUS1' - (Ref Nr B); Carcass, doors, shelves (steel adjustable shelf brackets): Built in 4 Nr top hung sliding doors fitting twin parallel track and aluminium door frame, 9mm pre finished MDF infill panel to door for fixing of pinboard. Sundeala pinboard to all storage doors fixed to door backing. Recessed Stainless steel pull handles flush with door finish, 18mm thick MDF carcass with high pressure plastic laminate; 25mm thick 400mm wide MDF shelving with high pressure laminate; Sides of shelves to be finished with coloured core edging to match colour of shelves; 1890mm high adjustable shelving with 8 Nr double slot uprights; colour: white. Silver anodised aluminium double top track and bottom guide channel complete with all stoppers, running gears and guides suitable to support the doors smooth movement; including all fixings & ironmongery deemed necessary to complete installtions; all installations & fixings in accordance with the manufacturer's instructions; refer to Architect's drawing Nr DR-A-4213 and specifications for further details					
A	4300mm long x 600mm deep x 2350mm high	1	nr			
	General Classroom Nr 1					
	Furniture, furnishings; special purpose					
B	All components and decorative high pressure laminate finish to Architect's choice of colour, as per 'Furniture finishes legend' indicated on Architects Drg Nr's DR-A-1241 & DR-A-1242		note			

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
	Whiteboard; (Ref Nr C); Type: Wall mounted. Manufacturer: Submit proposals. Product reference: Submit proposals. Frame: Material: Aluminium. Finish/ Colour: Satin silver anodized. Surface: Manufacturer's standard. Markings: N/A. Colour: White . Accessories: Marker tray. Fixed 800mm above FFL; All in accordance with manufacturer's specifications and instructions. Refer to Architects drawing Nr. DR-A-7014 for further details.					
A	size; 1800mm x 1200mm	1	nr			
B	Pinboards, (Ref Nr A); Type: Wall mounted, fixed in accordance with manufacturers instructions. Manufacturer: Forbo or equivalent to Architects approval, Product reference: Bulletin Board, Size: 1200x1200mm. Colour TBC. Fixed 800mm above FFL; Refer to Architects drawing Nr. DR-A-7014 for further details.	1	nr			
C	Pinboards, (Ref Nr B); Type: Wall mounted, fixed in accordance with manufacturers instructions. Manufacturer: Forbo or equivalent to Architects approval, Product reference: Bulletin Board, Size: 1800x1200mm. Colour TBC. Fixed 800mm above FFL; Refer to Architects drawing Nr. DR-A-7014 for further details.	2	nr			
	Design Communication Graphics					
	Furniture, furnishings; internal furnishings					
D	All components and decorative high pressure laminate finish to Architect's choice of colour, as per 'Furniture finishes legend' indicated on Architects Drg Nr's DR-A-1241 & DR-A-1242		note			

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
	Computer Worktop 'CWT2'. (Ref Nr C); 40mm MDF worktop with decorative high pressure laminate and 40 x 15mm varnished beech edge trim to all exposed edges; 2 Nr outer edges to be rounded as per detail; Metal Frame; C shaped metal frame, epoxy powder coated; Aluminium cable grommets; bench type dado trunking, dado trunking to be co-ordinated with perimeter trunking, PC holder powder coated mild steel, allow ventilation to rear of holder, All in accordance with manufacturer's specifications and instructions. Refer to Architects drawing Nr DR-A- 4212 for further details.					
A	4230mm long x 900mm deep x 750mm high	6	nr			
	Worktop 'CWT3'. (Ref Nr D); 40mm MDF worktop with decorative high pressure laminate and 40 x 15mm varnished beech edge trim to all exposed edges, 1 Nr outer edge rounded as per detail; 60mm diameter chrome worktop legs fixed to worktop and floor, 35mm thick continous SW bearer fixed to wall with approved fixings; Aluminium cable grommets; All in accordance with manufacturer's specifications and instructions. Refer to Architects drawing Nr DR-A- 4212 for further details.					
B	900mm long x 625mm deep x 750mm high	1	nr			
	Furniture, furnishings; special purpose					
	Whiteboard; (Ref Nr A); Type: Wall mounted. Manufacturer: Submit proposals. Product reference: Submit proposals. Frame: Material: Aluminium. Finish/ Colour: Satin silver anodized. Surface: Manufacturer's standard. Markings: N/A. Colour: White. Accessories: Marker tray. Fixed 800mm above FFL; All in accordance with manufacturer's specifications and instructions. Refer to Architects drawing Nr. DR-A-7012 for further details.					
C	size; 2400mm x 1200mm	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
A	Pinboards, (Ref Nr B); Type: Wall mounted, fixed in accordance with manufacturers instructions. Manufacturer: Forbo or equivalent to Architects approval, Product reference: Bulletin Board, Size: 1800x1200mm. Colour TBC. Fixed 800mm above FFL; Refer to Architects drawing Nr. DR-A-7012 for further details.	2	nr			
	Science Lab					
	Furniture, furnishings; internal furnishings					
B	All components and decorative high pressure laminate finish to Architect's choice of colour, as per 'Furniture finishes legend' indicated on Architects Drg Nr's DR-A-1241 & DR-A-1242		note			

To Collection €

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
	Teaching wall unit with integrated storage; 'TW2' - (Ref Nr A); Carcass with doors and shelves; Top hung sliding screens fitting twin parallel tracks, and aluminium frame. 9mm pre finished MDF infill panel to 2 Nr doors for fixing of whiteboards, 7mm whiteboard fixed to MDF backing, 9mm pre finished MDF infill panel to 2 Nr doors for fixing of Pinboard, 7mm Pinboard fixed to MDF backing; 18mm MDF doors with decorative high pressure laminate and 18 x 18mm varnished beech edge trim to all exposed edges, 18mm MDF carcass with decorative high pressure laminate; 40mm MDF worktop with decorative high pressure laminate and 40 x 15mm varnished Beech edge trim to all exposed edges, Shelves: 25mm thick 320mm wide MDF shelving with decorative high pressure laminate, 1000mm high adjustable shelving system 8 no double slot uprights, colour: white; Ironmongery: Stainless steel "D" shape handle, 210mm long & 20mm diameter, reversed fixed through doors, high quality stainless steel or nickle plated 180° self closing hinges, high quality cylinder type lock on masterkey system to suit the schools requirements; 120mm high x 18mm thick MDF kickboard with decorative high pressure laminate and adjustable carcass support feet; Silver anodised aluminium double top track and bottom guide; channel complete with all stoppers, running gears and guides; suitable to support the doors smooth movement; include for TV metal bracket, fixed to wall & interactive TV or projector (Interative board supplied by the client), the surface of the screen must be flush with front face of unit; all installations & fixings in accordance with the manufacturer's instructions; refer to Architect's drawing Nr. DR-A-4205 and specifications for further details & requirements					
A	5350mm long x 435mm deep x 2615mm high	1	nr			

To Collection €

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
	Storage Unit with Sliding Doors;'SUS2' - (Ref Nr B); Carcass, doors, shelves (steel adjustable shelf brackets): Built in 4 Nr top hung sliding doors fitting twin parallel track and aluminium door frame, 9mm pre finished MDF infill panel to door for fixing of pinboard. Sundeala pinboard to all storage doors fixed to door backing. Recessed Stainless steel pull handles flush with door finish; 18mm thick MDF carcass with high pressure plastic laminate; 25mm thick 400mm wide MDF shelving with high pressure laminate; Sides of shelves to be finished with coloured core edging to match colour of shelves; adjustable shelving; colour: white, heavy duty brackets. Silver anodised aluminium double top track and bottom guide channel complete with all stoppers, running gears and guides suitable to support the doors smooth movement; 150x25mm softwood rail with heavy duty high quality coat hooks for lab coats to be fixed to concrete wall; softwood timber stud partiton to be constructed, 75x38mm faced on both sides with 15mm MDF; including all fixings & ironmongery deemed necessary to complete installtions; all installations & fixings in accordance with the manufacturer's instructions; refer to Architect's drawing Nr. DR-A-4207 and specifications for further details & requirements					
A	3500mm long x 600mm deep x 2353mm high	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
	Belfast type sink; 'BS1' - (Ref Nr C), with gap between sink and wall to allow for pipe rises; Compact laminate cover piece 900 x 105 (approx) x 20 mm thick to finish gap between wall and sink - cantilever over sink by 10 mm with drip groove. Supported by 50 x 25 mm SW batten; Science Rooms: Science taps with water supply rising from low level; behind sink, as fed from behind. Dilution pot as science pedestal unit; All other rooms to have chrome plated bottle trap; Polished stainless steel legs and wall bearers as supplied by sink manufacturer with adjustable feet; Compact laminate filler piece closing off space between sink and wall; all installations & fixings in accordance with the manufacturer's instructions; refer to Architect's drawing Nr. DR-A-4215 and specifications for further details & requirements					
A	900mm x 460mm x 250mm	1	nr			
	Base storage unit, 'BU2' (Ref Nr F); 40mm MDF adjustable worktop (measured elsewhere), 18mm MDF doors and carcass with high pressure laminate as detailed and 18 x 18mm varnished beech edge trim to all exposed edges, including all associated ironmongery, SS "D" shape handles and 180 degree self closing hinges, cylinder type locks; 1 Nr. 435mm deep 18mm thick height adjustable MDF shelf in press with high pressure laminate all sides, 18mm thick MDF back panel with decorative high-pressure laminate; 100mm high x 18mm thick MDF kickboard with decorative high pressure laminate with adjustable carcass support feet; 2 Nr. 50mm x 50mm continous SW bearers fixed to back of unit; bearers fixed to wall with approved fixings; all fixing in accordance with the manufacturer's instructions, refer to Architect's drawing Nr. DR-A-4214 and specification for further details.					
B	600mm wide x 600mm deep x 860mm high	11	nr			

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
	Student Pedestal Unit; 'PU1' (Ref Nr E); Worktop material to be selected by designer: Option 1: 32mm thick solid iroko boards to specification; Option 2: Solid Core laminate to specification, 18mm thick MDF panels and shelves with decorative high pressure laminate; 300 mm deep removable shelf; 125 x 18 mm MDF kickboard with decorative high pressure laminate; 50 x 18 mm MDF battens with decorative high pressure laminate; SW battens to support removable panels; 18 mm thick MDF hinged panel with double lock with decorative high pressure laminate; Laboratory sink: Option 1: heavy duty fireclay size 250x250mm deep, Option 2: cast epoxy resin; Sink to have acid resistant waste, polypropylene sink not acceptable; Polypropylene dilution recovery trap 2.3 litres volume, anti-siphon, emptied by unscrewing the base from the trap, with certified resistance to chemicals; Laboratory taps: 300 mm high twin bib tap, brass body with anti-corrosive plastic coating, serrated nozzle outlets. Cold water supply, colour coded to DIN EN 13792; Twin 90° gas outlet with lever control and serrated nozzle outlets with anti rotation pin. Brass body with anti corrosive plastic coating, colour coded to DIN EN 13792; Flush twin switched socket outlet 300 x 100mm service ope in slab. all installations & fixings in accordance with the manufacturer's instructions; refer to Architect's drawing Nr. DR-A-4206 and specification for further details.					
A	700mm wide x 700mm deep x 1020mm high	5	nr			

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
	Height adjustable Student Pedestal Unit; 'PU-HAI' (Ref Nr F); Worktop: Worktop material to be selected by designer: Option 1: 32mm thick solid iroko boards to specification; Option 2: Solid Core laminate to specification, 18mm thick MDF carcass with decorative high pressure laminate, Bench type dado trunking with twin socket outlet; 125 x 18 mm MDF kickboard with decorative high pressure laminate; 50 x 18 mm MDF battens with decorative high pressure laminate; SW battens to support removable panels; 18 mm thick MDF removable panel with 6 no. Allen key recessed screws with decorative high pressure laminate; Laboratory sink: size 256x108x150mm, drop-in cast epoxy resin; Sink to have acid resistant waste, polypropylene sink not acceptable; Polypropylene dilution recovery trap 2.3 litres volume, anti-siphon, emptied by unscrewing the base from the trap, with certified resistance to chemical attack; Laboratory taps: 300 mm high twin brass bib tap, brass body with anti-corrosive plastic coating, serrated nozzle outlets. Cold water supply, colour coded to DIN EN 13792; Twin 90° gas outlet with lever control and serrated nozzle outlets with anti rotation pin. Brass body with anti corrosive plastic coating, colour coded to DIN EN 13792; all installations & fixings in accordance with the manufacturer's instructions; refer to Architect's drawing Nr. DR-A-4211 and specification for further details.					
A	800mm wide x 800mm deep x 1020mm high	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
	High level storage 'HL-2' (Ref Nr H); 18mm thick MDF carcass with decorative high pressure laminate, Ironmongery: Stainless steel "D" shape handles, 180° self closing hinges, cylinder type locks; 18mm thick MDF doors with decorative high pressure laminate; 18mm thick height adjustable MDF shelf with high pressure laminate all sides; Adjustable shelf supports - steel plug-in. Capacity 100kg/ shelf; 12 mm thick MDF back panel with decorative high pressure laminate; 35 mm sw bearers to allow conduit drops behind unit - if required; Generally unit to be fixed at 1500 above FFL, the space between the unit and the worktop should be 600mm, or where otherwise noted on room layouts; all installations & fixings in accordance with the manufacturer's instructions; refer to Architect's drawing Nr. DR-A-4210 and specification for further details.					
A	795mm wide x 320mm deep x 600mm high	3	nr			
	Worktop; (Ref Nr J); 40mm MDF worktop with decorative high pressure laminate and 40 x 15mm varnished beech edge trim to all exposed edges, sitting on SW bearer at junction with wall, worktop fixed in place with approved fixings; All in accordance with manufacturer's specifications and instructions. Refer to Architects drawing Nr DR-A-7016 for further details.					
B	4170mm long x 660mm deep x 900mm high above FFL; 7 Nr base storage units 'BU2' underneath; (measured elsewhere)	1	nr			
C	2380mm long x 660mm deep x 900mm high above FFL; 4 Nr base storage units 'BU2' underneath; (measured elsewhere)	1	nr			
	Furniture, furnishings; special purpose					

To Collection €

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
A	Pinboards, (Ref Nr G); Type: Wall mounted, fixed in accordance with manufacturers instructions. Manufacturer: Forbo or equivalent to Architects approval, Product reference: Bulletin Board, Size: 1200x1200mm. Colour TBC. Fixed 800mm above FFL; Refer to Architects drawing Nr. DR-A-7016 for further details.	3	nr			
	Science Prep Room					
	Furniture, furnishings; internal furnishings					
B	All components and decorative high pressure laminate finish to Architect's choice of colour, as per 'Furniture finishes legend' indicated on Architects Drg Nr's DR-A-1241 & DR-A-1242		note			
	Base storage unit, 'BU2' (Ref Nr A); Adjustable Worktop with inset stainless steel sink (measured elsewhere), 18mm MDF doors and carcass with high pressure laminate as detailed and 18 x 18mm varnished beech edge trim to all exposed edges, including all associated ironmongery, SS "D" shape handles and 180 degree self closing hinges, cylinder type locks; 1 Nr. 435mm deep 18mm thick height adjustable MDF shelf in press with high pressure laminate all sides, 18mm thick MDF back panel with decorative high-pressure laminate; 100mm high x 18mm thick MDF kickboard with decorative high pressure laminate with adjustable carcass support feet; 2 Nr. 50mm x 50mm continous SW bearers fixed to back of unit; bearers fixed to wall with approved fixings; all fixing in accordance with the manufacturer's instructions, refer to Architect's drawing Nr. DR-A-4214 and specification for further details.					
C	600mm wide x 600mm deep x 860mm high	3	nr			

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
	Belfast type sink; 'BS1' - (Ref Nr B), with gap between sink and wall to allow for pipe rises; Compact laminate cover piece 900 x 105 (approx) x 20 mm thick to finish gap between wall and sink - cantilever over sink by 10 mm with drip groove. Supported by 50 x 25 mm SW batten; Science Rooms: Science taps with water supply rising from low level; behind sink, as fed from behind. Dilution pot as science pedestal unit; All other rooms to have chrome plated bottle trap; Polished stainless steel legs and wall bearers as supplied by sink manufacturer with adjustable feet; Compact laminate filler piece closing off space between sink and wall; all installations & fixings in accordance with the manufacturer's instructions; refer to Architect's drawing Nr. DR-A-4215 and specifications for further details & requirements					
A	900mm x 460mm x 250mm	1	nr			
	Fume cupboard; (Ref Nr E), 1200mm x 600mm; fitting to include adjustable sash maximum working sash with 5mm thick toughened glass, bypass, melamine lining, maximum working sash height 400 mm, stoppered (adjustable for cleaning), lowest gap position not less than 50 mm, face velocity with sash set for full working aperture shall not be below 0.3 ms-1, digital face velocity indicator; including all frame, bearers, doors, shelfs, ironmongery etc as detailed; Supply and fix complete with sink, waste and dilution pot materials to be at leastequal to laboratory sink (polypropylene sink is unsuitable). Water, gas, drainage and power supply (twin socket) should be provided. Fume Cupboard installer to coordinate testing and commissioning of complete assembly including fume cupboard, fan, and flue; refer to Architect's drawing Nr. DR-A-7017 and specifications for further details & requirements					
B	1200mm x 600mm	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
	Furniture, furnishings; shelving					
	Tray Storage System 'TSS3' (Ref Nr C); 18mm thick MDF carcass with decorative high pressure laminate 15mm thick x 15mm MDF tray support shelf with decorative high pressure laminate, 40mm thick hardwood timber top 900mm wide x 1500mm long, finger jointed with severe rating lacquer to BS 6250/FIRA 6250; supplied with 32 Nr. pairs of tray runners &150mm high storage trays, trays to slide on tray runners, Nylon coated adjustable steel tray runners - full width of tray, with lugs to keep runners in position; Colour coded storage trays to slide on tray runners, made of moulded chemical resistant polypropylene. Polypropylene to be 20% talc filled, anti-static additive and fire retardant; all installations & fixings in accordance with the manufacturer's instructions; refer to Architect's drawing Nr. DR-A-4210 and specifications for further details & requirements					
A	1420mm x 900mm x 825mm	1	nr			
	Tray Storage System 'TSS1' (Ref Nr H); 18mm thick MDF carcass with decorative high pressure laminate 15mm thick x 15mm MDF tray support shelf with decorative high pressure laminate; (3 bays), supplied with 27 Nr. pairs of tray runners & 312mm x 427mm trays in assorted heights, storage trays to slide on tray runners, Nylon coated adjustable steel tray runners - full width of tray, with lugs to keep runners in position; Colour coded storage trays to slide on tray runners, made of moulded chemical resistant polypropylene. Polypropylene to be 20% talc filled, anti-static additive and fire retardant; all installations & fixings in accordance with the manufacturer's instructions; refer to Architect's drawing Nr. DR-A-4216 and specifications for further details & requirements					
B	1050mm long x 420mm deep x 1420mm high	6	nr			

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
	Tray Storage System 'TSS2' (Ref Nr J); 18mm thick MDF carcass with decorative high pressure laminate 15mm thick x 15mm MDF tray support shelf with decorative high pressure laminate; (2 bays), supplied with 18 Nr. pairs of tray runners & 312mm x 420mm trays in assorted heights, storage trays to slide on tray runners, Nylon coated adjustable steel tray runners - full width of tray, with lugs to keep runners in position; Colour coded storage trays to slide on tray runners, made of moulded chemical resistant polypropylene. Polypropylene to be 20% talc filled, anti-static additive and fire retardant; all installations & fixings in accordance with the manufacturer's instructions; refer to Architect's drawing Nr. DR-A-4216 and specifications for further details & requirements					
A	710mm long x 420mm deep x 1420mm high	6	nr			

To Collection €

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
	Worktop with single sink 'WTS3'; (Ref Nr K); 40mm Moisture resistant MDF worktop with selected high pressure laminate and 40 x 15mm varnished beech edge trim to all exposed edges, sitting on SW bearer at junction with wall, 6mm mastic seal to specification as per detail; countertop fixed in place with approved fixings; inset Laboratory sink: Option 1; heavy duty fireclay size 250mm x 250mm deep, Option 2; cast epoxy resin; Sink to have acid resistant waste, polypropylene sink not acceptable; Polypropylene dilution recovery trap 2.3 litres volume, anti-siphon, emptied by unscrewing the base from the trap, with certified resistance to chemical attack; Laboratory taps: 300 mm high twin brass bib tap, brass body with anti-corrosive plastic coating, serrated nozzle outlets. Cold water supply, colour coded to DIN EN 13792; Twin 90° gas outlet with lever control and serrated nozzle outlets with anti rotation pin. Brass body with anti corrosive plastic coating, colour coded to DIN EN 13792; all installations & fixings in accordance with the manufacturer's instructions; refer to Architect's drawing Nr. DR-A-4209 and specification for further details. include for cutting out ope for fitting of stainless steel sink, all fixing in accordance with the manufacturer's instructions, refer to Architect's drawing Nr. DR-A-4209 for further details and specification					
A	2400mm long x 625mm deep x 900mm high above FFL; 3 Nr Base storage units ' BU2' underneath (measured elsewhere)	1	nr			
	Furniture, furnishings; shelving					
B	shelving (Ref Nr F); - 4 tier, 3000mm long; wall mounted adjustable shelves; 300mm wide; shelves 25mm thick MDF with decorative high pressure laminate, 6 Nr 1900mm high white adjustable shelving system with heavy duty brackets; refer to Architect's drawing Nr DR-A-7017 and specifications for further details and requirements	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
A	shelving (Ref Nr G); - 4 tier, 1670mm long; wall mounted adjustable shelves; 300mm wide; shelves 25mm thick MDF with decorative high pressure laminate, 3 Nr 1900mm high white adjustable shelving system with heavy duty brackets; refer to Architect's drawing Nr DR-A-7017 and specifications for further details and requirements	1	nr			
	Student WC					
	Furniture, furnishings; internal furnishings					
B	All components and decorative high pressure laminate finish to Architect's choice of colour, as per 'Furniture finishes legend' indicated on Architects Drg Nr's DR-A-1241 & DR-A-1242		note			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
	Vanity Unit with 4 Nr washbasins and associated mirrors; (Ref Nr P); 18mm MDF carcass with solid grade laminate as detailed, 18mm thick MDF removable lockable panel with solid grade laminate in selected colour; 50mm high x 18mm thick MDF solid grade laminate kickboard; 50mm x 50mm continous SW bearers fixed to back of unit; bearers fixed to wall with approved fixings; including 4 Nr Washbasins: Armitage Shanks leadenhall extra 50cm or equivalent washbasin, no taphole washbasin with overflow, ground T3886 01; Waste 1 1/4" brass strainer waste, 80mm slotted tail S8722 AA; Trap: 1 1/4" contemporary metal bottle, 75mm seal E0079 AA; Brassware: Sensorflow 21 compact 230mm panel mounted spout with integral sensor, 3.7 litre per minute aerated spray outlet, combined in line servicing valve and filter, mains A4849 GN, Thermostatic Valve: TMV thermostatic mixing valve, 15mm A5900 AA, Washbasin wall fixings: wall fixing set E0157 67; including 4 Nr 700mm wide x 900mm high mirror bonded to wall above unit as per detail, all installations in accordance with manufacturer's instructions and in accordance with Architect's drawings and specificationsall fixing in accordance with the manufacturer's instructions, refer to Architect's drawing Nr. DR-A-4202 and specification for further details.					
A	2800mm long x 240mm deep x 1100mm high	1	nr			
	Cleaners Store					
	Furniture, furnishings; internal furnishings					
B	All components and decorative high pressure laminate finish to Architect's choice of colour, as per 'Furniture finishes legend' indicated on Architects Drg Nr's DR-A-1241 & DR-A-1242		note			

	Description	Qty	Unit	Rate	€	c
	EL (79) GENERAL FITTINGS (Cont'd)					
A	shelving (Ref Nr L); - 4 tier, 2200mm long; wall mounted adjustable shelves; 600mm wide; shelves 25mm thick MDF with decorative high pressure laminate, 4 Nr 1900mm high white adjustable shelving system with heavy duty brackets; refer to Architect's drawing Nr DR-A-7013 and specifications for further details and requirements	1	nr			
	FITTINGS (LOOSE FURNITURE)					
	FITTINGS, EQUIPMENT AND FURNITURE					
B	For loose fittings, equipment and furniture the Main Contractor is to allow for unloading and placing in position in each room. The Contractor shall allow for all necessary attendances as required in connection with loose furniture as detailed on Architect's drawings and specification		Item			
C	The contractor shall allow for fixing to walls the whiteboards, notice boards, blackboards, pinboards etc supplied as part of loose furniture. in accordance with the department of education & skills standard room layouts; all fixings in accordance with Architect's drawings and specifications and in accordance with manufacturer's instructions		Item			
	To Collection €					

Description	Qty	Unit	Rate	€	c
EL (79) GENERAL FITTINGS (Cont'd)					
COLLECTION					
Page No. BQ/536					
Page No. BQ/537					
Page No. BQ/538					
Page No. BQ/539					
Page No. BQ/540					
Page No. BQ/541					
Page No. BQ/542					
Page No. BQ/543					
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Page No. BQ/558					

Description	Qty	Unit	Rate	€	c
EL (79) GENERAL FITTINGS (Cont'd)					
COLLECTION					
Page No. BQ/559					
Page No. BQ/560					
Page No. BQ/561					
Page No. BQ/562					
Page No. BQ/563					
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Page No. BQ/566					
Page No. BQ/567					
Page No. BQ/568					
Page No. BQ/569					
Page No. BQ/570					
Page No. BQ/571					
Page No. BQ/572					
Page No. BQ/573					
Page No. BQ/574					
Page No. BQ/575					
Page No. BQ/576					
Page No. BQ/577					
Page No. BQ/578					
Page No. BQ/579					

Description	Qty	Unit	Rate	€	c
EL (79) GENERAL FITTINGS (Cont'd)					
COLLECTION					
Page No. BQ/580					
EL (79) GENERAL FITTINGS **Carried to Summary**					

Description	Qty	Unit	Rate	€	c
EL (10) PREPARED SITE					
INFORMATION					
1. The Contractor shall refer to the Works Requirements, Volume A					
2. Location drawings for this Element are included in the Works Requirements, Volume A					
3. Specifications for this Element are included in the Works Requirements, Volume A					
4. Starting level for measurement is existing ground level.					
5. The Contractor is required to visit the site and ascertain the nature of work involved in this section. No charge for extra labour, plant or material will be allowed in consequence of the Contractors failure to do this					
6. The Contractor is required to make himself aware of the presence and location of all services and boundary walls remaining on the site and shall take all necessary precautions to avoid interference or damage to these during the execution of the works. The Contractor shall make due allowance in his rates for working in and around and maintaining items as necessary. Any damage caused shall be made good at the Contractors own expense					
7. The Contractor is required to make himself aware of the presence of trees on the site. The Contractor shall include for identifying and mark the trees to Architect's satisfaction, to be protected. The Contractor shall make due allowance in his rates for working in and around these trees as necessary. Any damage caused shall be made good at the Contractors own expense					
Starting levels					
Starting level for measurement is existing ground level.					
			To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (10) PREPARED SITE (Cont'd)					
	GENERAL					
A	Natural crushed rock aggregate in accordance with I.S. EN 13242:2002+A1:2007 (Aggregates for unbound and hydraulically bound materials for use in civil engineering work and road construction) and ANNEX E of SR21:2014+A1:2016 (Guidance on the use of I.S. EN 13242:2002+A1:2007 - Aggregates for unbound and hydraulically bound materials for use in civil engineering work and road construction). Placed and compacted in accordance with table B.1 of IS 888:2016 (Code of practice for the procurement and use of unbound granular fill hardcore material for use under concrete floors)		Note			
B	On-site testing requirement: At subsoil formation level, Plate Bearing Testing shall be carried out at a frequency of 2 tests per school buiding. Test plate to be loaded and re-loaded to 200 kN/m2. The Test shall be carried out in accordance with BS1377-9:1990. The Test shall determine the Elastic Modulus, The Modulus of Subgrade Reaction and CBR Values of the soil; refer to Engineers drawings and specifications for further testing requirements		Item			
C	After each layer of fill material is placed, CBR testing is to be conducted at a 25m c/c grid on plan. Nuclear density testing to be conducted on each layer at same location at CBR test. Density test to achieve 95% of maximum dry density.; refer to Engineers drawings and specifications for further testing requirements		Item			
	Temporary Works					
D	The General Contractor shall be fully responsible for the costs, design and safety of all temporary works		Item			
E	All temporary works shall be in accordance with Downes Associates specification DAS101 and are to comply with BS5975:2008 and other relevant codes of practice		Item			

	Description	Qty	Unit	Rate	€	c
	EL (10) PREPARED SITE (Cont'd)					
A	Where drawings are prepared by Downes Associates as permanent works designers, temporary works are shown indicatively only on drawings and it is the responsibility of the contractor to prepare deign for temporary works required.		Item			
B	The contractors temporary works proposals (earthworks support, propping, denaturing etc.) to include design, drawings, details, specifications and calculations shall be prepared by a Chartered Engineer and submitted to Downes Associates for review at least 2 weeks prior to commencement of construction.		Item			
C	Temporary works designer designers are required to carry out al appropriate level of PI Insurance.		Item			
D	Constructions method, procedures and sequences are the contractors responsibilities		Item			
E	The contractor is to take all neccessary measures to maintain and protect the safety of site operative, the public an the structural integrity of all constructing at all stages		Item			
F	All hoardings are to be in compliance with TWF2012:01. The contractors must provide all design and details of proposed hoarding type and support required to Downes Associates at least 2 weeks prior to erection.		Item			
	DEMOLITION & ALTERATIONS					
	DEMOLITIONS					
	General					
	Notwithstanding Agreed Rules of Measurement the Contractor must provide any requisite shoring, needling, strutting and underpinning or other supports to walls, floors, roofs etc. necessary for the full protection of the existing buildings remaining.					

	Description	Qty	Unit	Rate	€	c
	EL (10) PREPARED SITE (Cont'd)					
A	The Contractor should allow for all making good to existing finishes and structures where appropriate for existing buildings remaining		Item			
B	The contractor is to protect all existing finishes and existing school building, roads, paths, car parking etc. or any other existing works which will be incorporated in the new layout and design		Item			
C	The Contractor must visit the site and ascertain all local conditions and restrictions likely to affect the demolition and alterations.		Item			
D	The Contractor is informed that the project may require specialist demolition work. No demolition work to be undertaken unless what is required is fully understood. Before work commences the Contractor is to submit his proposals for the demolition to the Architect and the Structural Engineer who may if he wishes comment upon them in the client's interest.However, these comments shall in no way reduce the responsibility of the Contractor.		Item			
E	The Contractor is to include for temporarily diverting, maintaining or sealing off existing services.		Item			
F	The Contractor is to dispose of all materials in accordance with all current environmental and building regulations.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (10) PREPARED SITE (Cont'd)					
A	Waste Management (landfill levy) Regulations 2002 the landfill levy came into force on 1 June 2002. It applies to wastes delivered for disposal at landfill sites, including C & D wastes. C & D Waste which is used in landfill site engineering, restoration or remediation purposes, is exempt from the levy when it is non-hazardous comprising of concrete, bricks, tiles, road plantings or other similar materials and is particle size or less than 150mm. Excavation spoil which is used for landfill site engineering, restoration or remediation purposes is exempt from the levy when it is comprised of clay, sand, gravel or stone. The deposition in a quarry is exempt, where such material is in a chemically unaltered state.		Item			
B	The Contractor is to assume full liability for the design and execution of all temporary works in connection with this project.		Item			
C	All temporary works necessary to ensure the stability of existing walls and buildings is the responsibility of the contractor. Full details to temporary works designs must be approved to the satisfaction of the Engineer prior to works commencing. Levels to be checked by the Contractor prior to developing works proposals. Full temporary works designs are to be provided to the Engineer in accordance with the specification.		Item			
D	The Contractor shall submit with his tender a method statement detailing his proposals for the temporary works. The Contractor is required to submit full design calculations with his tender.		Item			
E	The Contractor shall nevertheless advise the Engineer, before the date for possession of the site, of his final proposals for temporary supports and sequence of construction. These proposals shall be supported by design calculations if so requested.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (10) PREPARED SITE (Cont'd)					
A	The Contractor is to include in his rates for all temporary supports incidental to demolitions and alterations.		Item			
B	Construction and demolition waste shall be managed in accordance with a construction waste and demolition management plan (prepared by main contractor), which shall be submitted to, and agreed in writing with, the planning authority prior to commencement of development. The plan shall be prepared in accordance with the "Best Practice Guidelines on the Preparation of Waste Management Plans for Construction and Demolition Projects", published by the department of the Environment, Heritage and Local Government in July, 2006. The plan shall include details of waste to be generated during site clearance and construction phases, and details of the methods and locations to be employed for the prevention, minimisation, recovery and disposal of this material in accordance with the provision of the Waste Management Plan for the Region in which the site is situated.		Item			
	General					
	Existing services					
C	allow for locating, disconnecting as necessary and making safe all mechanical services (foul, surface & watermain) on the site associated with the following demolition and alteration works		Item			
D	allow for locating, disconnecting as necessary and making safe all Electrical & Gas services on the site associated with the following demolition and alteration works		Item			

To Collection €

	Description	Qty	Unit	Rate	€	c
	EL (10) PREPARED SITE (Cont'd)					
	Demolish existing front boundary stonewall; - 600mm wide x 1200mm high above ground, including cappings; grub up foundations, assume 1000mm wide by 300mm deep with reinforcement, TOC 675mm low ground level; dispose off site and make good to all works disturbed; backfill excavations with Clause 804 hardcore; all in accordance with Architect's & Engineers drawings and specifications					
	General clearance					
A	generally (boundary wall)	83	m			
B	existing stone/ rubble masonry attached pier 600 x 600 mm x approximately 2m high with flat stone / standing stone coping ; ncluding grubbing up rising pier & backfilling in hardcore	2	nr			
	Demolish/ remove existing fencing around bourdary of school; grub up foundations to supports, assume TOC 450mm below gr level; dispose off site and make good to all works disturbed; backfill excavations with Clause 804 hardcore; disposal off site to licensed tip in accordance with Architect's/ Engineers specifications and current regulations all in accordance with Architect's & Engineers drawings and specifications					
	Fittings and fixtures					
C	generally	156	m			
D			Item			

	Description	Qty	Unit	Rate	€	c
	EL (10) PREPARED SITE (Cont'd)					
	EXCAVATION AND EARTHWORK					
	EXCAVATION					
A	The contractor shall note the location of existing services on site as identified on Site Survey drawing. Existing services in carriageway to be retained until new supplies are installed and complete (if applicable); the main contractor shall allow for hand digging in the event of excavation in close proximity of existing services		Item			
B	The contractor shall refer to the site landscaping plan and not the position and location of trees remaining on the site. The contractor shall be responsible for protection of the existing trees throughout the works. The contractor shall protect all trees throughout the works include for all costs associated with same and working around same for the duration of the works. Any damage to existing trees shall be made good or replaced at the contractors expense.		Item			
	Excavation; topsoil for preservation					
C	average depth 250mm; depositing in spoil heaps	7,942	m2			
	Excavation; reduce levels					
D	depth not exceeding 2.00m	5,960	m3			
	Extra on excavation items for					
E	breaking up rock	451	m3			
F	breaking up existing hard surfaces: concrete and hardcore base 200mm overall thickness and dispose off site	52	m2			
G	asphalt and hardcore base 250mm overall thickness and dispose off site	2,860	m2			
H	breaking up existing hard surfaces: concrete kerbs and dispose off site	92	m			

	Description	Qty	Unit	Rate	€	c
	EL (10) PREPARED SITE (Cont'd)					
	Disposal; water					
A	surface		Item			
	Disposal; topsoil					
B	in temporary spoil heaps; on site for landscaping	1,698	m3			
C	off site	288	m3			
	Disposal; excavated material					
D	off site	5,960	m3			
	Filling with Clause 804 material, laying and compacting in accordance with the "Specification for Road Works" produced by the Department of the Environment; all in accordance with Engineers drawings and specifications.					
	Filling					
E	to make up levels; average thickness exceeding 250mm	5,507	m3			

Description	Qty	Unit	Rate	€	c
EL (10) PREPARED SITE (Cont'd)					
COLLECTION					
Page No. BQ/584					
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Page No. BQ/591					
Page No. BQ/592					
EL (10) PREPARED SITE **Carried to Summary**					

	Description	Qty	Unit	Rate	€	c
	EL (20) SITE STRUCTURES					
	INFORMATION					
	1. The Contractor is advised that the Architect's, Structural and Services Engineer's Drawings and Specifications (Works Requirements) are all complimentary to each other and should be read in conjunction with one another.					
	2. The Contractor shall refer to the Drawings and Specifications included in the Works Requirements, Volume A.					
	SEN PLANTER BENCH					
	EXCAVATION AND EARTHWORK					
	EXCAVATION					
	Excavating foundation trenches					
A	not exceeding 2m deep	19	m3			
	Disposal					
B	water ground		Item			
C	water surface		Item			
	Disposal; excavated material; off site in accordance with current regulations					
D	off site	19	m3			
	Crushed rock selected granular fill; to Clause 804 / 808 of NRA Specification for Roadworks; 250mm thick; compacted in layers not exceeding 150mm thick; all in accordance with Engineer's drawings and specifications					
	Fillling; depositing in layers 150 maximum thickness					
E	backfilling to excavations	16	m3			

	Description	Qty	Unit	Rate	€	c
	EL (20) SITE STRUCTURES (Cont'd)					
	CONCRETE WORKS					
	In-situ Concrete					
	Insitu concrete; grade C12/15; poured on or against earth or unblinded hardcore					
	Blinding; 50mm thick; poured on or against earth or unblinded hardcore					
A	not exceeding 150 thick	2	m3			
	Insitu concrete; grade C28/35; maximum aggregate size 20mm; Exposure Class XC3/ XC4/XF1/XF3/XA1; vibrator compacted; waterproof ad mixture to be added to concrete to specialist design to achieve waterproofing to Grade3; all in accordance with Engineers drawings and specifications					
	Foundations in trenches					
B	exceeding 150 thick	7	m3			
	REINFORCEMENT					
	Reinforcement; fabric ; BS4483 hard drawn plain round steel, welded; 300mm side and end laps; as specified; all in accordance with Engineers's drawing and specifications					
	Fabric					
C	reference A393 ; horizontal	22	m2			
	FORMWORK					
	Basic finish formwork for non-exposed concrete faces below ground; all in accordance with Architects/ Engineer's drawings and specifications					
	Sides of foundations					
D	<250mm wide	60	m			

	Description	Qty	Unit	Rate	€	c
	EL (20) SITE STRUCTURES (Cont'd)					
	BRICKWORK AND BLOCKWORK					
	BLOCKWORK					
	Concrete blocks; 440 x 215 x 100mm units; solid; compressive strength 10N/mm, BS EN 771-3; bedding and jointing in cement: lime: sand mortar (1:1:6); as per Architect's specification F10					
	walls in trenches					
A	215mm thick	9	m2			
B	550mm thick	5	m2			
	walls					
C	100mm thick	13	m2			
D	215mm thick	4	m2			
E	550mm thick	4	m2			
	Labours					
F	on blockwork		Item			
	ANCILLARIES TO BRICKWORK / BLOCKWORK					
	IKO Hyload Original DPC or equilavent jointing accessories (stop ends, internal/external corners); bedding in cement lime sand mortar (1:1:6); laps 200mm; as per Architect's specification F30					
	Damp Proof Course					
G	width not exceeding 225mm; horizontal	20	m			
H	width exceeding 225mm; horizontal	6	m2			

	Description	Qty	Unit	Rate	€	c
	EL (20) SITE STRUCTURES (Cont'd)					
	ROOFING, CLADDING AND WATERPROOFING					
	RIGID SHEETING COVERINGS AND DECKING					
	25 x 75mm Iroko horizontal timber cladding fixed with stainless steel nails to & include for 25 x 50mm pressure treated vertical timber battens shot fixed to blockwork					
	Decking					
A	> 300mm	15	m2			
B	mitred external angle x 375 mm high	12	nr			
C	return/ closed end with 50 x 25mm Iroko strip fixed with stainless steel nails	4	nr			
	3mm polyester powdercoated aluminium plinth flashing in selected colour					
D	25 x 150mm mechanically fixed to blockwork	20	m			
	MASTIC ASPHALT, WATERPROOF AND GAS PROOF NON-METAL FLEXIBLE SHEET COVERINGS					
	Damp Proof Membrane - Polyethylene; Standard: To BS 6515; Manufacturer: Contractor's choice; Product reference: Contractor's choice; all installations in accordance with manufacturer's instructions and in accordance with Architects drawings and specifications; refer to Architect drawing 002 for further details & requirements					
	Damp Proof membrane					
E	horiztonal	10	m2			
F	vertical	18	m2			

	Description	Qty	Unit	Rate	€	c
	EL (20) SITE STRUCTURES (Cont'd)					
	WALL FINISHINGS					
	IN-SITU FINISHES					
	External cement and sand render to BS5262; 3nr coats applied to concrete blockwork background; undercoat, maximum 19mm thick; with 6mm microcement finish in selcted colours; napped finish; colour Natural; stainless steel J bead edge trims to BS 6452: Part 1 as required; as Spec M20.1.A; all installations in accordance with manufacturer's instructions; all in accordance with Architect's drawings and specifications					
	Walls					
A	over 300mm	19	m2			
B	not exceeding 300mm	8	m2			
	Provide Expamet beads/stops at all external angles and stop ends to national approved standard unless specified otherwis or equivalent accessories; fixing with plaster dabs . all in accordance with drawings and specifications.					
	Sundries					
C	angle beads	53	m			
D	stop beads	46	m			
E						
	BICYCLE SHELTER					
F	NB Please refer to BALUSTRADE RAILING NOTES on Downes associates Drwg. 20153 4005 P01		note			
	EXCAVATION AND EARTHWORKS					
	EXCAVATION					
	Excavating isolated pits; starting from reduced level					
G	not exceeding 2m deep [3 nr]	10	m3			

	Description	Qty	Unit	Rate	€	c
	EL (20) SITE STRUCTURES (Cont'd)					
	Disposal					
A	water ground		Item			
B	water surface		Item			
	Disposal; excavated material; off site in accordance with current regulations					
C	off site	10	m3			
	Crushed rock selected granular fill; to Clause 804 / 808 of NRA Specification for Roadworks; 250mm thick; compacted in layers not exceeding 150mm thick; all in accordance with Engineer's drawings and specifications					
	Fillling; depositing in layers 150 maximum thickness					
D	backfilling to excavations	6	m3			
	CONCRETE WORKS					
	In-situ Concrete					
	Insitu concrete; grade C12/15; poured on or against earth or unblinded hardcore					
	Blinding in pits; 50mm thick; poured on or against earth or unblinded hardcore					
E	not exceeding 150 thick	2	m3			
	Insitu concrete; grade C28/35; maximum aggregate size 20mm; Exposure Class XC3/ XC4/XF1/XF3/XA1; vibrator compacted; waterproof ad mixture to be added to concrete to specialist design to achieve waterproofing to Grade3; all in accordance with Engineers drawings and specifications					
	Isolated Foundations; reinforced (3 Nr.)					
F	generally	5	m3			
	Column casings					
G	cross sectional area not exceeding 0.10m2	1	m3			

	Description	Qty	Unit	Rate	€	c
	EL (20) SITE STRUCTURES (Cont'd)					
	REINFORCEMENT					
	Reinforcement; fabric ; BS4483 hard drawn plain round steel, welded; 300mm side and end laps; as specified; all in accordance with Engineers's drawing and specifications					
	Fabric					
A	reference A393 ; horizontal	18	m2			
	Steel wire fabric reinforcement to BS4483, comprising plain round hard drawn mild steel wire to BS4482; electrically welded to form sheets in various standard mesh sizes; all installation in accordance with Engineer's drawings and specifications					
	Fabric; vertical					
B	D49 wrapping mesh (column casings)	8	m2			
	FORMWORK					
	Basic finish formwork for non-exposed concrete faces below ground; all in accordance with Architects/ Engineer's drawings and specifications					
	Sides of foundations					
C	250 - 500mm wide	21	m			
	Column casings; isolated					
D	rectangular; for sloping profile and further details refer to Engineers drawing 4013	8	m2			

To Collection €

	Description	Qty	Unit	Rate	€	c
	EL (20) SITE STRUCTURES (Cont'd)					
	ROOFING, CLADDING AND WATERPROOFING					
	Flexible Sheet Metal Covering					
	Trespa Meteon or equivalent; 10mm decorative high pressure compact laminate cladding panels fixed to roof beams using colour matched rivets ; Colour ; Anthracite Grey A25.8.1 as per Architects drawings and specifications					
A	over 300mm	18	m2			
	STRUCTURAL STEELWORK					
	STEELWORK					
	Design responsibility for suctural member connections:					
B	All structural steelwork connections to concrete structure and steel to steel connections, shall be designed by the Contractor; refer to Structural Engineer's drawings and specifications for further details. Contractor to include all costs associated with same and all associated fixings and connections		Item			
C	All steel connections between concrete and steel and steel to steel to be designed by Contractor. Refer to Engineers drawings and specifications for further details		Item			
	Structural steel to BSEN1090; design of steel structures to BSEN1993.1; design of structural steelwork in building to BS5950.1; grade S275 hot rolled structural steel general open sections and plates to BSEN10025; grade to be S355 TATA 'Advance' or 'Celsius' sections; Bolts & nuts etc. to be Class 8.8 to IS EN 1993; all steelwork to be CE Approved/ Certified; external grade steel with galvanised finish for external use; all in accordance with Engineer's drawings and specifications					
	Fabricated members; beams; not exceeding 25kg/m					

	Description	Qty	Unit	Rate	€	c
	EL (20) SITE STRUCTURES (Cont'd)					
A	120 x 60 x 6.3 RHS (galvanised)	0.60	t			
B	120 x 60 x 6.3 RHS (galvanised); sloping rafters	0.20	t			
	Fabricated members; columns; not exceeding 25kg/m					
C	120 x 60 x 6.3 RHS (galvanised);	0.30	t			
D	fittings	0.11	t			
	Zinc phosphate primer coat and micaceous iron oxide top coat protective paint finish to steelwork; prepare surfaces by blast cleaning to grade SA2.5; apply 1nr 60 micron DFT primer coat of 2-pack epoxy zinc phosphate 25mm microns; spot prime after fabrication as necessary; apply 1nr coat High Build Zinc Phosphate Epoxy Primer to a dry film thickness of 75 microns; all in accordance with Engineer's specifications					
	Protective coatings; applied off site; painting					
E	beams	1.21	t			
	Galvanising to BSEN.ISO.1461; minimum average coating thickness 85 microns; prepare surfaces by blast cleaning to BS.EN.8501-1, preparation grade SA2.5 using chilled angular iron grit grade 24 to give coarse surface profile, followed by chemical cleaning; all in accordance with Engineer's drawings and specifications					
	Protective coatings; applied off site; galvanising					
F	generally; beams & columns	1.21	t			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (20) SITE STRUCTURES (Cont'd)					
	Hilti or equivalent M24 Gr. 8.8 holding down bolts cast into reinforced concrete foundations as detailed; bolts grouted as necessary; install in accordance with manufacturer's instructions; all in accordance with Engineer's drawings and specifications					
	Bolts; fixing to reinforced concrete structure					
A	size M24 Gr. 8.8; length 250mm	24	nr			
	Beam base plate connection to concrete foundations; holding down assembly; 100 EA 8mm base plate with 4 No M25 cast in bolts with 100 EA 8 cast in to reinforced concrete foundations as detailed; 60mm diameter grout holes; on and including 25mm grout; 200mm embedment; including associated grouting to bolt holes and 25mm thick grouting layer under base plate using approved non-shrink grout; all in accordance with Engineer's drawings and specifications; refer to Engineers drawing for further details and requirements					
	Holding down assemblies;					
B	100EA x 8mm	6	nr			

To Collection €

Description	Qty	Unit	Rate	€	c
EL (20) SITE STRUCTURES (Cont'd)					
COLLECTION					
Page No. BQ/594					
Page No. BQ/595					
Page No. BQ/596					
Page No. BQ/597					
Page No. BQ/598					
Page No. BQ/599					
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Page No. BQ/601					
Page No. BQ/602					
Page No. BQ/603					
EL (20) SITE STRUCTURES **Carried to Summary**					

	Description	Qty	Unit	Rate	€	c
	EL (20) SITE STRUCTURES (TEMPORARY ACCOMMODATION)					
	INFORMATION					
	1. The Contractor is advised that the Architect's, Structural and Services Engineer's Drawings and Specifications (Works Requirements) are all complimentary to each other and should be read in conjuntion with one another.		Note			
	2. The Contractor shall refer to the Drawings and Specifications included in the Works Requirements, Volume A.		Note			
A	3. The Contractor shall be deemed to have examined the existing underground electrical power lines/cables and other existing services affecting the proposed works. The Contractor is to ascertain precisely the nature and extent of the works required and the conditions under which they will have to be executed, as no claims will be allowed on the grounds of want of knowledge in these or other respects. The Contractor shall make due allowance in his rates for working in and around and maintaining existing services as necessary. Any damage caused shall be made good at the Contractor's own expense. Refer to site survey for further details and requirements		Item			
B	4. Not withstanding ARM4 Section B, the Contractor's rates within this Element shall be deemed to include for any profit required on utility providers, other charges required associated with employment of utility providers, and any general/special attendances which the Contractor may be required to provide to utility providers.		Item			
C	5. All works shall be undertaken in strict accordance with relevant utility provider's standard details and requirements. The contractor shall include for all costs associated with compliance with utilities standard details and specifications		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (20) SITE STRUCTURES (TEMPORARY ACCOMMODATION) (Cont'd)					
A	6. The Contractor shall provide all necessary watching, lighting and protection in connection with works within the site, including barricading, steel plates and the like. The Contractor shall maintain the free flow of motor/ cycle/pedestrian traffic and provide temporary traffic control as necessary.		Item			
	TEMPORARY ACCOMMODATION RELOCATION & REMOVAL					
B	The contractor shall note that the existing cabins shall be removed/ relocated in conjunction with the Temporary Accommodation provider to the school. The contractor will be required to liaise with same and include for all costs associated with the removal and relocation of the existing temporary accommodation as outlined in the Works Requirements including for any costs for the removal or relocation from the Temporary accommodation supplier. The contractor shall provide access through the site to the cabin supplier for removal and relocation of the existing temporary accommodation. The contractor shall be responsible for programming these works and provide all necessary access and attendances for the cabin supplier to relocate and remove the existing temporary accommodation from site		Item			
C	The contractor shall include for all costs associated with liaising with the temporary accommodation providers, programming, crainage, liaising with Kerry ETB & the school and all associated builders works and attendances associated with the relocation and removal of the temporary accommodation		Item			
D	Refer to Architects "Site - Works Section 1 and Contractors Compound Layout" drawing No 20057-OPP-01-00-DR-A-D1-P01 for further details on locations and sequencing of the works		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (20) SITE STRUCTURES (TEMPORARY ACCOMMODATION) (Cont'd)					
A	The Contractor shall note the position of the existing fencing around the existing ballcourt. This fencing is to be protected throughout the Temporary Accommodation relocation, demolitions & removals and subsequent ball court re surfacing. The contractor shall take down fencing as necessary to facilitate the works as necessary and include for reinstating fence on completion. The fence shall be protected throughout all works and returned to match existing on completion of the works		Item			
	DEMOLITION & ALTERATIONS					
	DEMOLITION					
B	Notwithstanding Agreed Rules of Measurement the Contractor must provide any requisite shoring, needling, strutting and underpinning or other supports to walls, floors, roofs etc. necessary for the full protection of the existing buildings remaining.		Note			
C	The Contractor should allow for all making good to existing finishes and structures where appropriate for existing buildings remaining		Item			
D	The contractor is to protect all existing finishes and existing school building, roads, paths, car parking etc. or any other existing works which will be incorporated in the new layout and design or not demolished in full until a later stage		Item			
E	The Contractor must visit the site and ascertain all local conditions and restrictions likely to affect the demolition and alterations.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (20) SITE STRUCTURES (TEMPORARY ACCOMMODATION) (Cont'd)					
A	The Contractor is informed that the project may require specialist demolition work. No demolition work to be undertaken unless what is required is fully understood. Before work commences the Contractor is to submit his proposals for the demolition to the Architect and the Structural Engineer who may if he wishes comment upon them in the client's interest.However, these comments shall in no way reduce the responsibility of the Contractor.		Item			
B	The Contractor is to include for temporarily diverting, maintaining or sealing off existing services.		Item			
C	The Contractor is to dispose of all materials in accordance with all current environmental and building regulations.		Item			
D	The Contractor is to assume full liability for the design and execution of all temporary works in connection with this project.		Item			
E	All temporary works necessary to ensure the stability of existing walls and buildings is the responsibility of the contractor. Full details to temporary works designs must be approved to the satisfaction of the Engineer prior to works commencing. Levels to be checked by the Contractor prior to developing works proposals. Full temporary works designs are to be provided to the Engineer in accordance with the specification		Item			
F	The Contractor shall submit with his tender a method statement detailing his proposals for the temporary works. The Contractor is required to submit full design calculations with his tender.		Item			
G	The Contractor shall nevertheless advise the Engineer, before the date for possession of the site, of his final proposals for temporary supports and sequence of construction. These proposals shall be supported by design calculations if so requested.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (20) SITE STRUCTURES (TEMPORARY ACCOMMODATION) (Cont'd)					
A	The Contractor is to include in his rates for all temporary supports incidental to demolitions and alterations.		Item			
B	Construction and demolition waste shall be managed in accordance with a construction waste and demolition management plan (prepared by main contractor), which shall be submitted to, and agreed in writing with, the planning authority prior to commencement of development. The plan shall be prepared in accordance with the "Best Practice Guidelines on the Preparation of Waste Management Plans for Construction and Demolition Projects", published by the Department of the Environment, Heritage and Local Government in July, 2006. The plan shall include details of waste to be generated during site clearance and construction phases, and details of the methods and locations to be employed for the prevention, minimisation, recovery and disposal of this material in accordance with the provision of the Waste Management Plan for the Region in which the site is situated. All waste disposal off site to be in accordance with current regulations		Item			
	General					
	Existing services					
C	allow for locating and making safe all live services before commencing demolitions to Temporary Accommodation No 1 & No 2		Item			
D	allow for removing all redundant services; making good all works distrubedto Temporary Accommodation No 1 & No 2		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (20) SITE STRUCTURES (TEMPORARY ACCOMMODATION) (Cont'd)					
	Remove from site and Demolish all associated foundations, paths, ramps, railings and the like of existing single storey temporary accommodation buildings; allow for making safe all mechanical & electrical services prior to commencement of demolitions; remove all plant, services and all loose furniture and fittings; dismantle/ remove building in conjunction with Temporary Accommodation provider and take down to foundation level; allow for grubbing up existing foundations and backfilling in hardcore clause 804 as required back up to existing court level/ new finished ground level; allow for removal of adjacent underground services associated with building; allow for removal of all furniture and fittings/ equipment; disposal off site to licensed tip in accordance with Architect's/ Engineers specifications and current regulations; all in accordance with Architect & Engineers drawings and specifications; all in accordance with current regulations refer to Architect's drawings and surveys for further details and requirements					
	Demolishing Individual Structures					
A	existing temporary accommodation No 1; 15000 x 7800mm		Item			
	Extra over for					
B	removing/ breaking out base in concrete for removal of cabins		item			

	Description	Qty	Unit	Rate	€	c
	EL (20) SITE STRUCTURES (TEMPORARY ACCOMMODATION) (Cont'd)					
	Dismantle or lift existing Temporary Accommodation Unit No 2 to new location on ball court as detailed on site layout drawings; Demolish all associated foundations, paths, ramps, railings and the like of existing single storey temporary accommodation buildings; allow for making safe all mechanical & electrical services prior to commencement of demolitions; remove all plant, services and all loose furniture and fittings (Loose Furniture and fittings to be removed, stored and reinstalled on completion of move to ball court; dismantle/ move building in conjunction with Temporary Accommodation provider and take down to foundation level; allow for grubbing up existing foundations and backfilling in hardcore clause 804 as required back up to existing court level/ new finished ground level; allow for removal of adjacent underground services associated with building; allow for removal of all furniture and fittings/ equipment (store and relocate on completion of move); disposal off site to licensed tip in accordance with Architect's/ Engineers specifications and current regulations; all in accordance with Architect & Engineers drawings and specifications; all in accordance with current regulations refer to Architect's drawings and surveys for further details and requirements					
	Demolishing Individual Structures (Move to Ball Court)					
A	relocation of existing temporary accommodation No 2; 12500 x 10000mm (relocate); allow for reconnection of all services, testing and commissioning of existing temporary accommodation in new location as necessary and in accordance with drawings and specifications		Item			
	Extra over for					
B	removing/ breaking out base in concrete for removal of cabins		Item			

	Description	Qty	Unit	Rate	€	c
	EL (20) SITE STRUCTURES (TEMPORARY ACCOMMODATION) (Cont'd)					
A	installation of plinth to relocated cabin to suit any revised levels and match existing		Item			
B	careful removal of metal stairs and railing to temporary accommodation and re-installation of same in new location including any necessary modifications to same for re installation in new location	1	nr			
C	removing; existing site finishes; dispose off site; tarmac surfacing in existing ball court for new foundation; 100mm thick	171	m2			
D	saw cutting existing wall court to form neat junction with new concrete foundations; allow for all making good to existing ball court as necessary following relocation of Temporard Accommodation	54	m			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (20) SITE STRUCTURES (TEMPORARY ACCOMMODATION) (Cont'd)					
	Remove from site and Demolish all associated foundations (150mm thick RC Slab Foundation), paths, ramps, railings and the like of existing single storey temporary accommodation buildings; allow for making safe all mechanical & electrical services prior to commencement of demolitions; remove all plant, services and all loose furniture and fittings; dismantle/ remove building in conjunction with Temporary Accommodation provider and take down to foundation level; allow for grubbing up existing foundations and backfilling in hardcore clause 804 as required back up to existing court level/ new finished ground level; allow for removal of adjacent underground services associated with building; allow for removal of all furniture and fittings/ equipment; disposal off site to licensed tip in accordance with Architect's/ Engineers specifications and current regulations; all in accordance with Architect & Engineers drawings and specifications; all in accordance with current regulations refer to Architect's drawings and surveys for further details and requirements					
	Demolishing Individual Structures					
A	existing temporary accommodation No 2; 12500 x 10000mm		Item			
	Extra over for					
B	removing/ breaking out base in concrete for removal of cabins		item			
	EL (19) SUBSTRUCTURE (CONCRETE BASE)					
	EXCAVATION & EARTHWORKS					
	EXCAVATION					
	Reduced Level;					
C	maximum depth > or = 2.00m	81	m3			

	Description	Qty	Unit	Rate	€	c
	EL (20) SITE STRUCTURES (TEMPORARY ACCOMMODATION) (Cont'd)					
	Extra on excavation items for					
A	breaking up existing rock	10	m3			
	Disposal					
B	water; surface		Item			
C	water; ground		Item			
D	excavated material; off site	81	m3			
	Filling; T1 Structural; structural unbond granular fill material; in compliance with Annex E of Roadstone SR 21					
E	to excavations; av. thickness >250mm	49	m3			
	Surface treatments					
F	blinding filling; T3; 50mm thick; in compliance with Annex E of Roadstone SR 21	161	m2			
	CONCRETE WORK					
	IN-SITU CONCRETE					
	Reinforced C30/37 concrete; vibrated; all in accordance with the Engineers drawings and specification					
	Foundations (Slab foundation to Temp Accommodation)					
G	poured on or against earth or unblinded hardcore; under foundations	25	m3			
	SUNDRIES					
	Surface finishes					
H	power floating	161	m2			
	REINFORCEMENT					
I	Please note that all starter bars, reinforcement bars and links are measured elsewhere for columns and walls in Elements (21) External Walls and (22) Internal Walls		note			

	Description	Qty	Unit	Rate	€	c
	EL (20) SITE STRUCTURES (TEMPORARY ACCOMMODATION) (Cont'd)					
	Reinforcement; fabric; BS4483; hard drawn plain round steel, welded; 450mm side laps: 450mm end laps; as specified Clause 20					
	Fabric					
A	horizontal; A393 mesh	161	m2			
	FORMWORK					
	Basic finish formwork for non-exposed concrete faces below ground; all in accordance with Architects/ Engineer's drawings and specifications					
	Side of foundations					
B	height < or = 250mm	51	m			
	EL (40) ROAD, PATHS & PAVINGS (RAMP)					
	EXCAVATION AND EARTHWORK					
	EXCAVATION					
	Filling; Clause 804 granular fill material to NRA specifications; all as per Structural Engineers Specification and Engineers					
	To make up levels					
C	average thickness not exceeding 250mm thick	6	m3			
	Sand blinding (to hardcore); overall thickness 50mm; as per Engineers specification document					
	Surface Treatments					
D	generally	11	m2			

	Description	Qty	Unit	Rate	€	c
	EL (20) SITE STRUCTURES (TEMPORARY ACCOMMODATION) (Cont'd)					
	CONCRETE WORK					
	IN-SITU CONCRETE					
	Concrete; Grade C30/37 to Structural Engineers Specification					
	Paths/ Ramps					
A	exceeding 150mm thick; reinforced; to falls and crossfalls	3	m3			
	SUNDRIES					
	Designed joints					
	Expansion joints; in accordance with the Engineers specifications and drawings					
B	not exceeding 150mm deep	8	m			
	Surface finishes					
	Trowelled; to a brushed finish					
C	horizontal; to falls	10.35	m2			
	REINFORCEMENT					
	Reinforcement fabric; BS 4483; hard drawn mild steel wire to BS 4482; reference A393					
	Fabric					
D	horizontal (A393)	10.35	m2			
	FORMWORK					
	Edges of paths/ ramps, fairfaced finish; as per Engineers specification document					
	height: 250 - 500mm					
E	generally	16	m			
	Extra over for					
F	200 x 100mm concrete upstand kerb detail to ramp	9	m			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (20) SITE STRUCTURES (TEMPORARY ACCOMMODATION) (Cont'd)					
	METALWORK					
	NON-STRUCTURAL					
	Galvanised steel handrail and railing; 50mm diameter; raking and horizontal; 1100mm high; 50mm diameter top and middle rail with 50mm diameter galvanised steel vertical supports fixed to reinforced concrete upstands at 1200 centres; fixing of railings by specialist railing subcontractor with detais and caculations of fixings required to be submitted; all as per Architects drawings and details					
	Composite items					
A	1100mm high balustrade	9	m			
	Extra over for					
B	ends	2	nr			
C	bends	1	nr			
	SURFACE PAVINGS, FENCING AND LANDSCAPING					
	PRE-FORMED PAVING AND EDGING UNITS					
	Tactile Concrete Flags; Tobermore or equivalent; colour buff; finish blister; tactile profile finish; size 400 x 400 x 50mm deep; laid all in accordance with the manufacturers recommendations; flags laid on granular sub-base (sub-base elsewhere measured); all in accordance with the manufacturers recommendations					
	Pavings					
D	50mm thick to sand base; to falls and crossfalls	2	m2			

Description	Qty	Unit	Rate	€	c
EL (20) SITE STRUCTURES (TEMPORARY ACCOMMODATION) (Cont'd)					
COLLECTION					
Page No. BQ/605					
Page No. BQ/606					
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Page No. BQ/614					
Page No. BQ/615					
Page No. BQ/616					
Page No. BQ/617					
EL (20) SITE STRUCTURES (TEMPORARY ACCOMMODATION) Carried to Summary					

	Description	Qty	Unit	Rate	€	c
	EL (30) SITE ENCLOSURES					
	INFORMATION					
	1. The Contractor is advised that the Architect's, Structural and Services Engineer's Drawings and Specifications (Works Requirements) are all complimentary to each other and should be read in conjunction with one another.		Note			
	2. The Contractor shall refer to the Drawings and Specifications included in the Works Requirements, Volume A.		Note			
	MAIN ENTRANCE GATES & ALL ASSOCIATED WORKS [4 nr Masonry piers etc] - Drwg. 4003 - S1 - P01 Oppermann associates & 20153 4005 P01 Downes associates					
	EXCAVATION AND EARTHWORK					
	EXCAVATION					
	Excavating foundation trenches					
A	not exceeding 2m deep	15	m3			
	Working space ; backfilling with hardcore; DOE specification Irish) clause S04 ; Type B material ; crushed rock ; disposal of excavated material by removing from site ; starting from reduced level					
	To trenches					
B	not exceeding 2m deep	138	m2			
	Extra on excavation items for					
C	breaking up existing; rock	15	m3			
	Disposal					
D	water ground		Item			
E	water surface		Item			
	Disposal; excavated material; off site in accordance with current regulations					
F	off site	15	m3			

	Description	Qty	Unit	Rate	€	c
	EL (30) SITE ENCLOSURES (Cont'd)					
	Crushed rock selected granular fill; to Clause 804 / 808 of NRA Specification for Roadworks; 250mm thick; compacted in layers not exceeding 150mm thick; all in accordance with Engineer's drawings and specifications					
	Filling; depositing in layers 150 maximum thickness					
A	backfilling to excavations	6	m3			
	CONCRETE WORKS					
	In-situ Concrete					
	Insitu concrete; grade C12/15; poured on or against earth or unblinded hardcore					
	Blinding; 50mm thick; poured on or against earth or unblinded hardcore					
B	not exceeding 150 thick	2	m3			
	Insitu concrete; grade C28/35; maximum aggregate size 20mm; Exposure Class XC3/ XC4/XF1/XF3/XA1; vibrator compacted; waterproof ad mixture to be added to concrete to specialist design to achieve waterproofing to Grade3; all in accordance with Engineers drawings and specifications					
	Foundations in trenches					
C	not exceeding 2.0m	5	m3			
	Column casings					
D	cross sectional area not exceeding 0.10m2	1	m3			
	REINFORCEMENT					
	Reinforcement; fabric ; BS4483 hard drawn plain round steel, welded; 300mm side and end laps; as specified					
	Fabric					
E	reference A393 ; horizontal	24	m2			

	Description	Qty	Unit	Rate	€	c
	EL (30) SITE ENCLOSURES (Cont'd)					
	Steel wire fabric reinforcement to BS4483, comprising plain round hard drawn mild steel wire to BS4482; electrically welded to form sheets in various standard mesh sizes; all installation in accordance with Engineer's drawings and specifications					
	Fabric; vertical					
A	D49 wrapping mesh (column casings)	10	m2			
	FORMWORK					
	Basic finish formwork for non-exposed concrete faces below ground; all in accordance with Architects / Engineer's drawings and specifications					
	Sides of foundations					
B	not exceeding 250mm wide	28	m			
	Column casings; isolated					
C	rectangular; for sloping profile and further details refer to Engineers drawing 4005	10	m2			
	BRICKWORK AND BLOCKWORK					
	BLOCKWORK					
	Concrete blocks; 440 x 215 x 100mm units; solid; compressive strength 10N/mm2, BS EN 771-3; bedding and jointing in cement: lime: sand mortar (1:1:6); as per Architect's specification F10					
	Walls in trenches					
D	800mm thick [4 nr]	2	m2			
E	extra: cutting around 100 x 100mm steel column [exposed edge of steel column to finish flush with face of block column - 6 nr]	3	m			
	Labours					
F	on blockwork		Item			

	Description	Qty	Unit	Rate	€	c
	EL (30) SITE ENCLOSURES (Cont'd)					
	ANCILLARIES TO BRICKWORK/ BLOCKWORK					
	IKO Hyload Original DPC or equilavent jointing accessories (stop ends, internal/external corners); bedding in cement lime sand mortar (1:1:6); laps 200mm; as per Architect's specification F30					
	Damp proof courses					
A	over 300mm	3	m2			
	STONEWORK					
	RUBBLE WALLING					
	Natural rubble stone wall to match existing stone boundary wall; Thoroughly seasoned and free from cracks, vents, fissures or other defects deleterious to strength, durability or appearance. Random cut and size; Laying: Full bed of mortar with all joints and voids filled; Appearance: Neat and consistent; Brushed finish to joints: After the initial set has taken place, brush joints to remove laitance excess fines and give a coarse texture; Orientation for natural bed of stones: In plain walling: Horizontal; Coping and projecting stones: Vertical and at right angles to wall face; Cleanliness: Keep facework clean. Rubbing and other abrasive or chemical cleaning methods to remove marks; all works in accordance with Architects drawings and specifications					
	Walls					
B	800mm thick ; facing & recessed pointing both sides	8	m2			
C	extra for facing & recessed pointing to return 800mm wide	18	m			
D	extra for working around 100 x 100mm steel column set into masonry [exposed edge of steel column to finish flush with face of masonry column - 6 nr - include for mastic pointing up to both sides of steel column]	14	m			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (30) SITE ENCLOSURES (Cont'd)					
	Coping to match existing					
A	extra for 600 x 600mm coping to match existing [level off top of rubble masonry & lay flat stones say 50mm deep with standing stones at regular spaces]	4	nr			
	METALWORK					
	NON - STRUCTURAL					
	Entrance gates in galvanized steel to suppliers design & specification, with polyester powder coated finish to selected colour; all fabricated to detail drawing 4003 with 50 x 100 RHS perimeter frame with 30mm diameter vertical steel rods at 125mm centres ; 10mm steel plate at base of gate welded to frame & vertical uprights ; gates lockable from inside or outside ; each gate fitted with 2 nr. eyelet hanging brackets ; include for boltng to matching eyelet brackets on steel hanging post ; all works in accordance with Architects drawings and specifications					
	Single leaf entrance gate					
B	1500 x 2150mm high ; include for integrated slide bolt with padlock facility ; all to Specialist design	2	nr			
	Pair vehicular entrance gates					
C	each leaf 3920 x 2250mm high [60mm gap in between] ; include for drop-down bolt & slide bolt both with padlock facility ; all to Specialist design	1	nr			
	Pedestrian access panel ; 100 x 15mm steel plate frame with 6mm steel panel infill ; steel plate to be welded flush with front of frame and weld joint ground down to flush finish ; frame to be secured to footpath below and side of adjacent rubble masonry pier ; fixings to be 50 x 15mm plates set in paving [2 nr] and set in rubble masonry pier [2 nr]					
D	unit size 525mm wide x 2200mm high	2	nr			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (30) SITE ENCLOSURES (Cont'd)					
A	extra ; brushed marine grade rear illuminated lettering pin mounted to steel plate / reading " scoil "	2	nr			
	Gate posts in 100 x 10.0 SHS galvanized steel to suppliers design & specification, fabricated to architect detail drawing 4005 ; all works in accordance with Architects drawings and specifications					
	Gate posts					
B	100 x 100 x 10mm SHS in gate post 2650mm high with 300 x 300 x 20mm thick base plate welded on ; include for 2 nr eyelet hanging brackets welded on [6 nr]	0.60	t			
C	extra for 10mm galvanized steel cap to 100 x 100mm SHS post ; welding/ grinding to post top ; polyester powder coated finish	6	nr			
D	extra for polyester powder coated finish to 100mm exposed edge of gate post	16	m			
E	holding down assembly ; 4 nr Gr 8.8 M16 holding down bolts with 2 nr lengths of galvanized steel angle iron [to each gate post] ; setting/ groutng into concrete base ; 60mm diameter grout holes	6	nr			
	SUNDRIES					
	25mm non shrink grout					
F	under base plate ; 300 x 300mm	6	nr			
G						
	NEW BOUNDARY WALLS TO MAIN ENTRANCE AREA & ALONG PUBLIC ROAD (Drwg. 20153 5003 P05)					
	EXCAVATION AND EARTHWORKS					
	EXCAVATION					
	Excavating foundation trenches					

	Description	Qty	Unit	Rate	€	c
	EL (30) SITE ENCLOSURES (Cont'd)					
A	not exceeding 2m deep	86	m3			
	Disposal					
B	water ground		item			
C	water surface		item			
	Disposal; excavated material; off site in accordance with current regulations					
D	off site	71	m3			
	Crushed rock selected granular fill; to Clause 804 / 808 of NRA Specification for Roadworks; 250mm thick; compacted in layers not exceeding 150mm thick; all in accordance with Engineer's drawings and specifications					
	Filling; depositing in layers 150 maximum thickness					
E	backfilling to excavations	42	m3			
	CONCRETE					
	In-situ Concrete					
	Insitu concrete; grade C12/15; poured on or against earth or unblinded hardcore					
F	Blinding; poured on or against earth or unblinded hardcore					
G	not exceeding 150 thick	7	m3			
	Insitu concrete; grade C28/35; maximum aggregate size 20mm; Exposure Class XC3/ XC4/XF1/XF3/XA1; vibrator compacted; waterproof ad mixture to be added to concrete to specialist design to achieve waterproofing to Grade3; all in accordance with Engineers drawings and specifications					
	Foundations in trenches					
H	exceeding 150 thick	20	m3			

	Description	Qty	Unit	Rate	€	c
	EL (30) SITE ENCLOSURES (Cont'd)					
	REINFORCEMENT					
	MESH					
	Reinforcement; fabric ; BS4483 hard drawn plain round steel, welded; 300mm side and end laps; as specified					
	Fabric					
A	reference A393 ; horizontal	63	m2			
	FORMWORK					
	Basic finish formwork for non-exposed concrete faces below ground; all in accordance with Architects/ Engineer's drawings and specifications					
	Sides of foundations					
B	250 - 500mm wide	144	m			
	BRICKWORK AND BLOCKWORK					
	BLOCKWORK					
	Concrete blocks; 440 x 215 x 100mm units; solid; compressive strength 13N / mm 2 ; in accordance with category 1 of I.S. EN 771-3 & I.S. EN 772-1 ;bedding and jointing in mortar mix as per Engineer's Specification					
	Rising walls					
C	500mm thick	31	m2			
	Rising pier					
D	800 x 800mm	2	m			
	Walls					
E	215mm thick ; fair faced & flush pointed one side ; bonding to rubble masonry with stainless steel flat plate ties at 450mm centres vertically & horizontally (staggered)	102	m2			
	Labours					
F	on blockwork		Item			

	Description	Qty	Unit	Rate	€	c
	EL (30) SITE ENCLOSURES (Cont'd)					
A	on fair faced blockwork		Item			
	ANCILLARIES TO BRICKWORK/ BLOCKWORK					
	IKO Hyload Original DPC or equilavent jointing accessories (stop ends, internal/external corners); bedding in cement lime sand mortar (1:1:6); laps 200mm; as per Architect's specification F30					
	Damp proof courses					
B	over 300mm	37	m2			
	STONEWORK					
	RUBBLE WALLING					
	Natural rubble stone wall to match existing stone boundary wall; Thoroughly seasoned and free from cracks, vents, fissures or other defects deleterious to strength, durability or appearance. Random cut and size; Laying: Full bed of mortar with all joints and voids filled; Appearance: Neat and consistent; Brushed finish to joints: After the initial set has taken place, brush joints to remove laitance excess fines and give a coarse texture; Orientation for natural bed of stones: In plain walling: Horizontal; Coping and projecting stones: Vertical and at right angles to wall face; Cleanliness: Keep facework clean. Rubbing and other abrasive or chemical cleaning methods to remove marks; all works in accordance with Architects drawings and specifications					
	Walls					
C	500mm thick	113	m2			
	Attached columns					
D	800mm thick ; facing & recessed pointing both sides	8	m2			
E	extra for facing & recessed pointing to return 800mm wide	8	m			
	Coping to match existing					

	Description	Qty	Unit	Rate	€	c
	EL (30) SITE ENCLOSURES (Cont'd)					
A	extra for 800 x 800mm coping to match existing [level off top of rubble masonry & lay flat stones say 50mm deep with standing stones at regular spaces]	4	nr			
	FENCING TO SENSORY GARDEN AND EXTERNAL PLAY AREA / FENCING TO SITE BOUNDARY/ BASKETBALL COURT					
	SURFACE PAVINGS, FENCING AND LANDSCAPING					
	FENCING					
	20x120 pressure treated vertical claddings ; all in red deal wrot POA & free from splinters, cladding to be fixed to horizontal rails using stainless steel nails; with 100x100mm presuure treated timber posts, post to be POA and free from splintersa all in accordance with Architects specifications and drawings drwg. 4002 - S1 - P01					
	100 x 100mm posts at 1800mm centres x 1400mm high above ground [total 1700mm high] ; 2 nr 60 x 100mm horizontal rails [top & bottom] ; 120 x 20mm vertical cladding to each side set 60mm apart [staggered at 180mm centres] ; cladding to be fixed using stainless steel nails ; posts set 300 mm into ground & surrounded in 300 x 300 x 500mm C28/35 concrete ; including excavation & disposal off site					
B	fencing 1400mm high over ground	95	m			
C	extra: angles/	8	nr			
D	extra; end post	4	nr			
	Extra over fencing for Single leaf gate to detail/ gate posts / ironmongery					
E	1080 x 1400mm high overall ; hinges [2 nr per leaf] & barrell bolts to Specialist design with Padlock facility [include Padlock] ; all to Specialist design	3	nr			

To Collection €

	Description	Qty	Unit	Rate	€	c
	EL (30) SITE ENCLOSURES (Cont'd)					
	Black welded mesh fence to perimeter of site, 2000mm high, with 200mm vertical x 50mm horizontal x 6mm vertical wire diameter to BS 1722-16 ; Post, galvanised rectangular hollow section (green plastics coated) with 3m maximum centres ; posts 300mm square x 600mm deep holes filled to not less than half the depth of conrete with bottom of fence anchored to a concrete sill ; all in accordance with Architects specifications and drawings					
	Black weldmesh fencing to site boundary					
A	2m high	469	m			
B	end post with strut	2	nr			
C	angles with two struts	4	nr			
D	irregular angles with two struts	2	nr			
	Black welded mesh fence to ball courts, 2400mm high, with 200mm vertical x 50mm horizontal x 6mm vertical wire diameter to BS 1722-16 ; Post, galvanised rectangular hollow section (green plastics coated) with 3m maximum centres ; posts 300mm square x 600mm deep holes filled to not less than half the depth of conrete with bottom of fence anchored to a concrete sill ; all in accordance with Architects specifications and drawings					
	Ballcourt Perimeter Fencing					
E	with standard supports set into ground & surrounded in concrete [to standard detail] ; include for excavation, backfill in hardcore & disposal of excavated material	95	m			
F	extra for corner post with two struts having ends set into ground & surrounded in concrete etc as last	4	nr			
G	extra for pair standard entrance gates 2m wide [with pr. Hinges & Locking device] with surrounding framework having posts set into ground & surrounded in concrete etc as last ;	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (30) SITE ENCLOSURES (Cont'd)					
A	extra for pair standard entrance gates 4m wide [with 2 nr pr hinges & drop-bolt Locking device] with surrounding framework having posts set into ground & surrounded in concrete etc as last ;	1	nr			
	PAINTING AND DECORATIONS					
	PAINTING					
	Knot, prime, stop & paint two undercoats & one finish coat oil paint on softwood					
	Fencing & gates					
B	over 300mm [measured flat overall / both sides measured ; include in rates for extra measurement in making allowance for back surface exposed / staggered cladding to each side]	266	m2			
	CONCRETE RETAINING WALL [Adjoining SENSORY GARDEN & PLAY AREA] - Downes associates Drwg. 20153 5003 P03					
	EXCAVATION AND EARHTWORKS					
	EXCAVATIONS					
	Excavating foundation trenches ; starting from reduced level					
	Foundation trenches					
C	maximum depth exceeding 2.00m; 2-4m depth	129	m3			
	Disposal of water					
D	surface water		Item			
	Excavated material					
E	removing from site	129	m3			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (30) SITE ENCLOSURES (Cont'd)					
	Crushed rock selected granular fill; to Clause 804 / 808 of NRA Specification for Roadworks; 250mm thick; compacted in layers not exceeding 150mm thick; all in accordance with Engineer's drawings and specifications					
	Filling; hardcore; to make up levels					
A	to make up levels; not exceeding 250mm thick	114	m3			
	Free draining material; Sub base SR21 to Annex E stone filling; compacted in layers exceeding 225mm thick; all as specified and compacted with roller min 6 passes of 10 tonne vibrating roller; refer to Engineers drawings and specification for further details on imported fill requirements					
	Filling: free draining material					
B	to excavations; average thickness > 250mm	29	m3			
	CONCRETE					
	In-situ concrete; grade C12/15; maximum aggregate size 20mm; vibrator compacted; all as Downes Associates specification & project notes drawing 20153-0000					
	Foundations; bulk filling					
C	concrete blinding	3	m3			
	In-situ concrete; grade C40/50; maximum aggregate size 20mm; vibrator compacted; all as Downes Associates specification & project notes drawing 20153-0000					
	Foundations; reinforced					
D	generally	20	m3			
	Walls; reinforced					
E	> 150mm wide	18	m3			

	Description	Qty	Unit	Rate	€	c
	EL (30) SITE ENCLOSURES (Cont'd)					
	REINFORCEMENT					
	Steel bar reinforcement to BS4449; high yield steel ribbed bars; strength grade B500B; bending and cutting to BS8666; in accordance with Downes Associates specification & drawings					
	Bar; straight or bent; diameter to be advised by Engineer					
A	not exceeding 12mm diameter (walls)	1.50	t			
B	exceeding 12mm diameter but not exceeding 25mm diameter; (walls)	4.80	t			
	FORMWORK					
	Sawn surface finish to concrete; finish in accordance with the Engineer's specification					
	Sides of foundations					
C	250 - 500mm wide	77	m			
	Kickers					
D	vertical	145	m2			
	Kickers					
E	to walls	36	m			
	Fairfaced exposed concrete finish; smooth fairfaced finish to wall, ready for painting; all in accordance with Architects/ Engineer's drawings and specifications					
	Walls					
F	vertical	72	m2			
	SUNDRIES					
	Wood floated trowelled finish to concrete					
	Surface finishes					
G	trowelled suface	36	m			

	Description	Qty	Unit	Rate	€	c
	EL (30) SITE ENCLOSURES (Cont'd)					
	WATERPROOFING					
	WATERPROOF AND GAS PROOF NON-METAL FLEXIBLE SHEET COVERINGS					
	Fosroc Mulseal or equivalent, 2 number coats waterproofing membrane system;including all necessary accessories in strict accordance with manufacturer's written instructions; apply to concrete substrate; all installations in accordance with manufacturer's drawings and specifications; all in accordance with Architect's & Engineers drawings and specifications					
	Tanking (retaining walls)					
A	horizontal; width exceeding 300mm	67	m2			

Description	Qty	Unit	Rate	€	c
EL (30) SITE ENCLOSURES (Cont'd)					
COLLECTION					
Page No. BQ/619					
Page No. BQ/620					
Page No. BQ/621					
Page No. BQ/622					
Page No. BQ/623					
Page No. BQ/624					
Page No. BQ/625					
Page No. BQ/626					
Page No. BQ/627					
Page No. BQ/628					
Page No. BQ/629					
Page No. BQ/630					
Page No. BQ/631					
Page No. BQ/632					
Page No. BQ/633					
EL (30) SITE ENCLOSURES **Carried to Summary**					

	Description	Qty	Unit	Rate	€	c
	EL (40) ROADS, PATHS, PAVINGS					
	INFORMATION					
	1. The Contractor is advised that the Architect's, Structural and Services Engineer's Drawings and Specifications (Works Requirements) are all complimentary to each other and should be read in conjunction with one another		Note			
	2. The Contractor shall refer to the Drawings and Specifications included in the Works Requirements, Volume A		Note			
	3. The Contractor shall allow for all testing as required in accordance with the Engineer's Specification and Drawings		Note			
	4. Excavation to reduce levels is measured in Element (10) Prepared Site		Note			
	5. Filling to achieve proposed formation levels is measured in Element (10) Prepared Site		Note			
	7. All works outside the boundary of the site are measured separately towards the end of this Element and identified as "works outside site boundary"		Note			
A	8. The Contractor shall provide all necessary watching, lighting and protection in connection with works outside the boundary of the site, including barricading, steel plates and the like. The Contractor shall maintain the free flow of motor/cycle/pedestrian traffic and provide temporary traffic control as necessary		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (40) ROADS, PATHS, PAVINGS (Cont'd)					
	GENERAL					
A	Natural crushed rock aggregate in accordance with I.S. EN 13242:2002+A1:2007 (Aggregates for unbound and hydraulically bound materials for use in civil engineering work and road construction) and ANNEX E of SR21:2014+A1:2016 (Guidance on the use of I.S. EN 13242:2002+A1:2007 - Aggregates for unbound and hydraulically bound materials for use in civil engineering work and road construction). Placed and compacted in accordance with table B.1 of IS 888:2016 (Code of practice for the procurement and use of unbound granular fill hardcore material for use under concrete floors)		Item			
B	On-site testing requirement: At subsoil formation level, Plate Bearing Testing shall be carried out at a frequency of 2 tests per school building. Test plate to be loaded and re-loaded to 200 kN/m2. The Test shall be carried out in accordance with BS1377-9:1990. The Test shall determine the Elastic Modulus, The Modulus of Subgrade Reaction and CBR Values of the soil; refer to Engineers drawings and specifications for further testing requirements		Item			
C	After each layer of fill material is placed, CBR testing is to be conducted at a rate of one per 100m or minimum 2 for the site. Nuclear density testing to be conducted on each layer at same location at CBR test. Density test to achieve 95% of maximum dry density.; refer to Engineers drawings and specifications for further testing requirements		Item			
	EXCAVATION AND EARTHWORKS					
	EXCAVATION					
	Excavating trenches in earth or consolidated hardcore for					
D	base to kerbs	1,402	m			
E	base to kerbs ; curved	137	m			

	Description	Qty	Unit	Rate	€	c
	EL (40) ROADS, PATHS, PAVINGS (Cont'd)					
	Crushed rock selected granular fill; to Clause 804 / 808 of NRA Specification for Roadworks; 250mm thick; compacted in layers not exceeding 150mm thick; all in accordance with Engineer's drawings and specifications					
	Filling; hardcore; to make up levels					
A	to make up levels; not exceeding 250mm thick	1,388	m3			
	Hardcore; Capping Layer Class 6F1/6F2 subbase material; mechanically compacting in layers not exceeding 200mm thick; all in accordance with Engineers drawings and specifications					
	Filling: imported material					
B	to make up levels; average thickness not exceeding 250mm	790	m3			
	Sharp sand blinding layer comprising screened limestone fines; compacted; all in accordance with Engineers drawings and specifications					
	Surface treatments; blinding filling					
C	thickness 50mm	6,821	m2			
	Sundries					
	Separating materials					
D	The minimum lap dimensions shall be 200mm or in accordance with the suppliers details		note			
E	gauge geotextile liner sheet to areas of porous asphalt; miniumum 1000; all laying, lapping, wrapping and jointing in accordance with manufacturers instructions; all in accordance with Architects and Engineers drawings and specifications	873	m2			

	Description	Qty	Unit	Rate	€	c
	EL (40) ROADS, PATHS, PAVINGS (Cont'd)					
	CONCRETE WORKS					
	IN-SITU CONCRETE					
	Insitu concrete; grade C28/35; maximum aggregate size 20mm; Exposure Class XC3/ XC4/XF1/XF3/XA1; vibrator compacted; waterproof ad mixture to be added to concrete to specialist design to achieve waterproofing to Grade3; all in accordance with Engineers drawings and specifications					
	Paths; reinforced					
A	thickness not exceeding 150mm	291	m3			
	Insitu concrete; grade C28/35; maximum aggregate size 20mm; Exposure Class XC3/ XC4/XF1/XF3/XA1; vibrator compacted; waterproof ad mixture to be added to concrete to specialist design to achieve waterproofing to Grade3; all in accordance with Engineers drawings and specifications					
	Base to kerb					
B	200 x 150mm	1,402	m			
C	200 x 150mm; curved	137	m			
	Haunching to one side of kerb ; kerb size 150 x 125mm					
D	175 x 200mm high	1,402	m			
E	175 x 200mm high ; curved	137	m			
	SUNDRIES					
	Form 25mm deep groove in top surface of concrete paving to create contraction joint; fill groove with 20mm depth of two part polysulphide sealant					
	Designed contraction joint; paths					
F	depth 100mm	226	m			
	Surface finishes					
G	trowelling; paths; 100mm wide	1,190	m			

	Description	Qty	Unit	Rate	€	c
	EL (40) ROADS, PATHS, PAVINGS (Cont'd)					
A	Floating: To an even texture with no ridges or steps	1,937	m2			
	REINFORCEMENT					
	Steel wire fabric reinforcement to BS4483, comprising plain hard drawn mild steel wire to BS4482; longitudinal main bars to have 300mm laps; transverse bars to have 450mm laps; laying in accordance with engineers specifications					
	Fabric; horizontal					
B	size A252;paths	1,937	m2			
	FORMWORK					
	Plain basic finish formwork					
	Edges of beds					
C	height not exceeding 250mm; paths	1,336	m			

	Description	Qty	Unit	Rate	€	c
	EL (40) ROADS, PATHS, PAVINGS (Cont'd)					
	SURFACE PAVING, FENCING AND LANDSCAPING					
	IN-SITU SURFACE PAVINGS					
	Hot rolled asphalt to all roads. Standard: To BS EN 13108-4. Subgrade improvement layer: As per Engineers drawing. Compacted thickness: 300 mm. Geotextile: Sheet. Manufacturer: Terram. Product reference: Submit proposals. Granular sub-base: As per Engineers drawing. Compacted thickness: 220 mm. Base: Hot rolled asphalt to HA clause 904. Paving grade: 100/150. Compacted thickness: As per Engineers drawing. Binder course: Hot rolled asphalt to HA clause 905. Paving grade: 100/150. Compacted thickness: As per Engineers drawing. Surface course: As per Engineers drawing. Paving grade: 100/150. Slip/ Skid resistance: PTV to BS 7976-2 of 49 (water) wet. Compacted thickness: As per Engineers drawing. Reclaimed content: Standard: To BS EN 13108-8. Value (maximum): Contractor's choice. Surface treatment: As per Engineers drawing. Other requirements As per Engineers drawing. All in accordance with Architects drawings and specifications.					
	Roads ; entrance road					
A	thickness 200mm; laid to falls & cross falls	1,870	m2			
B	cut back existing tarmacadam & neatly jointing new to existing	22	m			
	Asphalt concrete surface course; 30mm thick dense bitumen macadam wearing course to clause 912 of the NRA Specification for roadworks; on 90mm of 20mm aggregrate dense binder course asphalt concrete to clause 929 of the NRA Specification for roadworks; base consists of Clause 804 compacted hardcore measured elsewhere; all in accordance with the Engineers Specifications and Drawings					
	Roads ; Car park / play areas					

	Description	Qty	Unit	Rate	€	c
	EL (40) ROADS, PATHS, PAVINGS (Cont'd)					
A	thickness 90mm; laid to falls & cross falls	1,375	m2			
	Porous asphalt concrete paving to Overflow car park. Standard: To BS EN 13108-7. Geomembrane: Geotextile membrane. Manufacturer: Contractor's choice. Product reference: Contractor's choice. Granular sub-base: As per Engineers drawing. Compacted thickness: Submit proposals. Water collection: Not required. Base: As per Engineers drawing. Compacted thickness: As per Engineers drawing. Binder course: As per Engineers drawing. Paving grade: As per Engineers drawing. Compacted thickness: As per Engineers drawing. Surface course: Manufacturer: Submit proposals. Product reference: Submit proposals. Type: PA 20 open surf. Paving grade: 70/100. Slip/ Skid resistance: PTV to BS 7976-2 of 49 (water) wet. Compacted thickness: As per Engineers drawing. Reclaimed content: Standard: To BS EN 13108-8. Value (maximum): Contractor's choice. All in accordance with Architects drawings and specifications.					
	Car park;					
B	125mm thickness; falls and crossfalls	48	m2			
	Porous asphalt concrete surface course; 30mm thick dense bitumen coloured macadam wearing course to clause 912 of the NRA Specification for roadworks; to Architects choice of colour; on 90mm of 20mm aggregrate dense binder course asphalt concrete to clause 929 of the NRA Specification for roadworks; base consists of Clause 804 compacted hardcore measured elsewhere; all in accordance with the Engineers Specifications and Drawings					
	Pavings; ballcourt					
C	125mm thickness; falls and crossfalls	512	m2			
	Pavings ; set down area					
D	125mm thickness; falls and crossfalls	182	m2			

	Description	Qty	Unit	Rate	€	c
	EL (40) ROADS, PATHS, PAVINGS (Cont'd)					
	WetPour Play Surface ; wearing course : Homogeneous coloured wearing layer (10 - 15 mm) , EPDM 1-4mm granules with optional UV Sealer or similar approved ; allow for 6 nr different colours and custom design ; surface base layer : SBR Rubber Granule (2-6 mm granule size) ca. 50mm (dependent on fall heights) or similar approved ; surfacing to be compliant with EN 1177 and BS7188, all in accordance with the Architects Specifications and Drawings					
	In play area					
A	over 300mm wide	131	m2			
	Painted thermoplastic road marking materials to ISEN1871 and BSEN1436; all in accordance with Department of Transport Traffic Signs Manual and ENG Dwgs 0001					
B	100mm wide line [car park]	455	m			
C	direction arrow 4 m long	9	nr			
D	straight arrowed direction sign ; 3.50m long	9	nr			
E	100mm continuous line centre road	98	m			
F	100mm continuous curved line centre road	47	m			
G	100mm continuous broken curved line	105	m			
H	invalid sign 600mm high	9	nr			
I	crossover in alternate black & white alternate colours ; 3.50 m wide x 4.00m long	1	nr			
J	crossover in alternate black & white alternate colours ; 3.50 m wide x 8.50m long	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (40) ROADS, PATHS, PAVINGS (Cont'd)					
	Court line markings to comprise two coats of white acrylic sports line marking paint applied in accordance with Detail Drawing OPP-01-00-DR-A-4001. all in accordance with Architect's drawings and specification					
	Line markings; applied to asphalt paving (new ball court)					
A	width 50mm; continuous ; colour white	217	m			
B	width 50mm; continuous (curved)	80	m			
	Line markings; applied to asphalt paving (new ball court)					
C	width 50mm; continuous ; colour white	217	m			
D	width 50mm; continuous (curved)	81	m			
	Sundries					
	Edge of existing roadway to be cut back by a rotary saw to form a vertical face and primed in acordance with clause 933					
E	removal of road surface x min .5m wide; reinstate tarmacadam neatly jointed to existing ; all as detail TRANSVERSE JOINT BETWEEN NEW CONSTRUCTION AND EXISTING ROAD - Drwg. 20153 5015 P01 Downes	102	m			
	Edge of new roadway to be cut back by a rotary saw to form a vertical face and primed in acordance with clause 933					
F	removal of road surface x min .5m wide; reinstate tarmacadam neatly jointed to existing ; all as detail TRANSVERSE JOINT BETWEEN NEW CONSTRUCTION AND EXISTING ROAD - Drwg. 20153 5015 P01 Downes	189	m			

	Description	Qty	Unit	Rate	€	c
	EL (40) ROADS, PATHS, PAVINGS (Cont'd)					
	PRE-FORMED PAVING AND EDGING UNITS					
	Reinforced Grass; polymer reinforced cells. The cells shall be installed ensuring that the modules are securely interlocked to the required area as per manufacturers' recommendations. Modules can be staggered to avoid wastage at corners. After laying cut around any obstructions such as trees, kerbing or rounded corners using sharp cutting pliers or secateurs. Spread evenly an approved pre-seeding fertiliser. Backfill half of the modules (15mm approx.) with an approved soil mix containing 50% clean sharp sand (0.5 - 1.0mm), and 50% fine premium grade topsoil. Spread approved grass seed at a rate of 20gr/m2 over the half-filled cells. Finish filling cells with approved soil mixture. To fill use a large broom to push soil into the cells until it is level with the top of the rings leaving the top exposed. Ensure that the seeded area is kept moist and protected from traffic for a min. period of 8 weeks to ensure germination, and establishment of grass seed. All in accordance with manufactures instructions and all in accordance with Landscaping drawings and specifications.					
	Pavings					
A	150mm thick	723	m2			
	Tactile paving shall be 250mm thick and shall consist of 50mm thick buff coloured blister surface approved tactile paving slab on 25mm clean sharp sand blinding to BS 882 Grading C or M on 150mm sub-base to Clause 804 sloping at 10 degrees or less to the horizontal all in accordance with engineers specification.					
	Pavings; tactile surface at controlled pedestrian crossings					
B	thickness 50mm; falls	19	m2			

	Description	Qty	Unit	Rate	€	c
	EL (40) ROADS, PATHS, PAVINGS (Cont'd)					
	Precast concrete kerb. Standard: To BS EN 1340. Recycled content: Contractor's choice. Designations: EF Edging, flat top. Size (width x height x length): 150 x 125 x 915 mm. Special shapes: Dropper kerbs DL1 and DR1 to footway crossings. Finish: As cast. Colour: Natural. Bending strength: To engineers specifcaiton. Weathering resistance: To engineers specifcaiton. Abrasion resistance: To engineers specifcaiton. Slip/ skid resistance: To engineers specifcaiton. Bedding: Cement mortar. Joints generally: Tooled mortar. Sealant movement joints: Not required. All in accordance with Architects drawings and specifications. Refer to engineers drg 0002 for further details					
	Kerbs					
A	150 x 125mm ; splayed/ rounded top edge	1,402	m			
B	150 x 125mm ; splayed/ rounded top edge ; curved	137	m			

	Description	Qty	Unit	Rate	€	c
	EL (40) ROADS, PATHS, PAVINGS (Cont'd)					
	SURFACE PAVING, FENCING AND LANDSCAPING					
	PRE-FORMED PAVINGS AND EDGING UNITS					
	Kilsaran Pembroke 5 sizemix paving 80mm depth or equilavent ; Standard: To BS EN 13108-7. Manufacturer: Contractor's choice. Product reference: Contractor's choice. Granular sub-base: As per Engineers drawing. Compacted thickness: Submit proposals. Water collection: Not required. Base: As per Engineers drawing. Compacted thickness: As per Engineers drawing. Binder course: As per Engineers drawing. Paving grade: As per Engineers drawing. Compacted thickness: As per Engineers drawing. Surface course: Manufacturer: Submit proposals. Product reference: Submit proposals. Type: PA 20 open surf. Paving grade: 70/100. Slip/ Skid resistance: PTV to BS 7976-2 of 49 (water) wet. Compacted thickness: As per Engineers drawing. Reclaimed content: Standard: To BS EN 13108-8. Value (maximum): Contractor's choice. All in accordance with Architects drawings and specifications.					
	Pavings					
A	over 300mm	653	m2			
	Precast concrete edging; To BS EN 1340. Recycled content: Contractor's choice. Designations: EF Edging, flat top. Size (width x height x length): 100 x 80mm. Finish: As cast. Colour: Natural. Bending strength: To engineers specifcaiton. Weathering resistance: To engineers specifcaiton. Abrasion resistance: To engineers specifcaiton. Slip/ skid resistance: To engineers specifcaiton. Bedding: Cement mortar. Joints generally: Tooled mortar. Sealant movement joints: Not required. All in accordance with Architects drawings and specifications. Refer to engineers drg 5014 for further details					
	Edgings					
B	to paved areas	240	m			

Description	Qty	Unit	Rate	€	c
EL (40) ROADS, PATHS, PAVINGS (Cont'd)					
COLLECTION					
Page No. BQ/635					
Page No. BQ/636					
Page No. BQ/637					
Page No. BQ/638					
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Page No. BQ/642					
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Page No. BQ/644					
Page No. BQ/645					
Page No. BQ/646					
EL (40) ROADS, PATHS, PAVINGS Carried to Summary					

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED)					
	INFORMATION					
	1. The Contractor is advised that the Architect's, Structural and Services Engineer's Drawings and Specifications (Works Requirements) are all complimentary to each other and should be read in conjunction with one another.		Note			
	2. The Contractor shall refer to the Drawings and Specifications included in the Works Requirements, Volume A.		Note			
	3. All works outside the boundary of the site are measured separately towards the end of this Element and identified as "works outside site boundary".		Note			
A	4. The Contractor shall be deemed to have examined the existing underground electrical power lines/cables and other existing services affecting the proposed works. The Contractor is to ascertain precisely the nature and extent of the works required and the conditions under which they will have to be executed, as no claims will be allowed on the grounds of want of knowledge in these or other respects. The Contractor shall make due allowance in his rates for working in and around and maintaining existing services as necessary. Any damage caused shall be made good at the Contractor's own expense.		Item			
B	5. Not withstanding ARM4 Section B, the Contractor's rates within this Element shall be deemed to include for any profit required on utility providers, other charges required associated with employment of utility providers, and any general/special attendances which the Contractor may be required to provide to utility providers.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
A	6. All works shall be undertaken in strict accordance with relevant utility provider's standard details and requirements. The contractor shall allow for all costs associated with complying with relevant specifications and guidelines/ requirements The Contractor shall ensure all works are completed in accordance with Irish Water Guidelines and specifications		Item			
B	7. The Contractor shall provide all necessary watching, lighting and protection in connection with works outside the boundary of the site, including barricading, steel plates and the like. The Contractor shall maintain the free flow of motor/cycle/pedestrian traffic and provide temporary traffic control as necessary.		Item			
C	8.0 The Contractor shall note the fill levels to areas of the site. Subject to the contractors methodology for completing services installations all excavation costs as necessary through hardcore filling will be deemed to be included in the rates for trench excavation through fill areas where required.		Item			
D	All works to be carried out in accordance with "Irish Water Code of Practice for Wastewater Infrastructure" and "Irish Wastewater Infrastructure Standard Details"		Item			
E	A continuous stainless steel wire/ strip shall be in place with the warning tape throughout		Note			
F	All watermain and sewer pipework fusion welded joints in accordance with Irish Water Requirements. Contractor shall include for all costs in rates associated with same for pipework and fittings		Note			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
	DEMOLITIONS & ALTERATIONS					
	DEMOLITIONS					
	WORK IN RELATION TO EXISTING OIL STORAGE TANK					
	TESTING					
	The contractor shall allow for specialist testing of the ground around the oil storage tank. The contractor shall issue this report to the Design Team					
A	generally		Item			
	DEMOLITION & ALTERNATIONS					
	DEMOLITION					
	Existing oil storage tank to be decomissioned and removed off site; allow for emptying/ desludging existing oil storage tank prior to commencing works by licensed specialist; all in accordance with Engineers drawings and specifications					
	General Clearance					
B	16,000 litre oil storage tank		Item			
	Decommission and remove off site the following site services; allow for backfilling on removal with Hardcore clause 804; dispose of pipe & excavated material off site; make good to green areas and all works disturbed on completion of works to match existing; all in accordance with Engineer's drawings and specifications					
	Removing; Plumbing & Engineering					
C	surface manhole;500-1000mm deep; backfill in hardcore Clause 804	3	nr			
D	foul manhole;1000-1500mm deep; backfill in hardcore Clause 804	1	nr			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
A	existing foul water ; 1000-1500mm deep; excavate and remove existing pipes; 150mm diameter; allow for backfilling in Hardcore Clause 804 to ground level; refer to Engineer's drawings for further details	93	m			
B	existing foul water ; 1000 - 1500mm deep; excavate and remove existing pipes; 225mm diameter; allow for backfilling in Hardcore Clause 804 to ground level; refer to Engineer's drawings for further details	100	m			
C	existing surface water ; 500 - 1000mm deep; excavate and remove existing pipes; 450mm diameter; allow for backfilling in Hardcore Clause 804 to ground level; refer to Engineer's drawings for further details	168	m			
D	exisiting storm manhole (MH1) to be blocked and outfall removed and V ; located to the front of the GAA pitch adjacent to site boudary ; refer to Engineers drawing number 20153-5003	1	nr			
E	existing storm manhole to be blocked and made good on completion ; located outside site boundary adjacent to existing sports hall ; refer to Engineers drawing number 20153-5003	1	nr			
	Extra over					
F	removal of spurious services		item			

To Collection €

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
	DRAINAGE - LAND DRAIN					
	DRAINAGE BELOW GROUND					
	Excavating trenches; Backfill: Type B filter drain material in accordance with the TII 'Specification for Road Works Series 500' clause 505, table 5/5 and IS EN 13242:2002; 600mm wide trench unless noted otherwise; disposing of surplus excavated material by removing from site; all in accordance with the Engineer's Drawings and specifications					
	Excavating trenches; pipes					
A	average depth of trench; 500-1000mm; pipes not exceeding 250mm	37	m			
	Disposal; water					
B	surface		item			
C	ground		item			
	Granular bedding; to comply with WIS 4-08-02 and IGN 4-08-01 granular material shall be 14mm to 5mm graded or 10mm single sized aggregrate to IS EN 13242; to pipe; 150mm minimum compacted cover to pipes; all in acocrdance with Engineers drawings and specifications; refer to Engineers drawings for further details and requirements					
	Beds and surrounds					
D	350mm deep x 600mm thick; nominal diameter pipe 150mm	37	m			
	Perforated 'TwinWall' or equivalent to BS EN 1401-1:2009, and IS EN 13476-3:2007; perforations: on top of pipe only; all laying and jointing in accordance with the manufacturer's instructions; all in accordance with Engineers' drawings and specifications					
	Pipes					
E	150mm nominal diameter	37	m			

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
	Extra over the pipes on which they occur for fittings					
	135 degree bends; for use with HDPE watermain;all fixing in accordance with the manufacturer's instructions; all in accordance with Engineers drawings and specifications					
	Fittings					
A	nominal diameter 150mm	2	Nr			
B	Extra over for					
C	silt trap; proprietary silt trap with heavy duty cover; include all excavation, backfilling, concrete base etc. as necessary to complete installations; all installations in acordance with manufacturers instructions; all in accordance with Engineers drawings and specifications	1	nr			
	SURFACE DRAINAGE					
	DRAINAGE					
	DRAINAGE BELOW GROUND					
	Excavating trenches; backfilling with hardcore filling Clause 804, laying and compacting in accordance with the "Specification for Road Works" produced by the Department of the Environment; identification marker tape 400mm wide black polyethylene material in accordance with EN 12163 as specified; all in accordance with Irish Water requirements and details; all in accordance with Engineers drawings and specifications					
	Service trenches					
D	average depth of trench 1000 - 1500mm ; pipes not exceeding 250mm	190	m			
E	average depth of trench 2000 to 2500mm ; pipes not exceeding 250mm	35	m			

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
A	average depth of trench 1000 - 1500mm ; pipes 250 - 450mm	78	m			
B	average depth of trench 1500 - 2000mm ; pipes 250 - 450mm	49	m			
C	average depth of trench 2000 - 2500mm ; pipes 250 - 450mm	39	m			
D	average depth of trench 1500 - 2000mm ; pipes exceeding 450mm	275	m			
	Extra over excavating trenches irrespective of depth					
E	crossing existing services; foul water; 150mm diamter	4	nr			
F	crossing existing services; surface water; 150mm diamter	12	nr			
G	crossing existing services; watermain; 150mm diamter	3	nr			
H	crossing existing services; electical services (ESB); 150mm diamter	10	nr			
I	crossing existing services; electical services (Telecom); 110mm diamter	5	nr			
J	crossing existing services; electical services (Site Lighting); 110mm diamter	5	nr			
	Disposal					
K	ground water		item			
L	surface water		Item			
	Concrete bedding & surrounding; 200mm minimum Grade 20 concrete bed and surround to pipe; include all necessary formwork, jointing and the like; expansion joint as necessary to pipe joints; all in accordance with Engineers drawings and specifications; refer to Engineers drawings for further details and requirements					
	Beds and surrounds					
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
A	900mm x 800mm thick; 150mm nominal diameter	70	m			
	Granular bedding; to comply with WIS 4-08-02 and IGN 4-08-01 granular material shall be 14mm to 5mm graded or 10mm single sized aggregrate to IS EN 13242; to pipe; 150mm minimum compacted cover to pipes; all in accordance with Engineers drawings and specifications; refer to Engineers drawings for further details and requirements					
	Beds and surrounds					
B	600mm x 510mm thick; 110mm nominal diameter	75	m			
C	750mm x 450mm thick; 250mm nominal diameter	80	m			
D	750mm x 500mm thick; 300mm nominal diameter	21	m			
E	900mm x 650mm thick; 450mm nominal diameter	145	m			
F	900mm x 800mm thick; 600mm nominal diameter	275	m			
	Upvc pipes; Thermoplastic structured wall pipes to stiffness class SN8 (8kn/m2); all laying and jointing in accordance with the manufacturer's instructions; all in accordance with Engineers drawings and specifications					
G	110mm nominal diameter	75	m			
H	225mm nominal diameter	143	m			
I	300mm nominal diameter	21	m			
J	450mm nominal diameter	145	m			
K	600mm nominal diameter	275	m			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
	90 degree bends; for use with thermoplastic Class SN8 pipework; all installation, laying, jointing and fixing in accordance with the manufacturer's instructions; all in accordance with Engineers drawings and specifications					
	Fittings					
A	110mm nominal diameter	7	nr			
B	225mm nominal diameter	2	nr			
C	450mm nominal diameter	5	nr			
	Y-junctions; for use with thermoplastic Class SN8 pipework; all installation, laying, jointing and fixing in accordance with the manufacturer's instructions; all in accordance with Engineers drawings and specifications					
	Fittings					
D	110mm nominal diameter	20	nr			
E	450mm nominal diameter	5	nr			
F	nominal diameter 600mm; with 110mm branch	14	nr			
	T-junctions; for use with thermoplastic Class SN8 pipework; all installation, laying, jointing and fixing in accordance with the manufacturer's instructions; all in accordance with Engineers drawings and specifications					
	Fittings					
G	450mm nominal diameter	3	nr			
H	600mm nominal diameter	7	nr			

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
	Precast concrete road gulley chamber; bed and surround in concrete 150mm thick 35N/ 20 Standard: To BS 8500-2 and BS EN 206; including courses of solid class A engineering bricks (2-5 courses) to B.S. 3921 in class M1 mortar; heavy duty cover (grating) and frame to B.S. 497 Pt. 1 (D400); bedding frame in cement mortar; grit trap and rodding eye; all in accordance with the Engineer's instructions and requirements; refer to Engineers drawings for further details					
	Pipe accessories					
A	road gullies	14	nr			
	300 x 300mm P.V.C. Armstrong Junction; "Wavinsewer" or equivalent; average one 150mm diameter inlet, 2 No 150mm inlets; one 150mm diameter outlet; recessed metal covers to BS 497, Grade C2 to accomodate paving; laying and fixing in accordance with the manufacturer's instructions; 150mm thick ST4 mix insitu concrete bed and surround as necessary; all in accordance with Engineers/ Architects drawings and specifications					
	Pipe accessories					
B	armstrong junctions	19	nr			
	Extra over for					
C	supply and installation of recessed metal cover to take paved surfacing	19	nr			

To Collection €

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
	Kingspan Klargester or equivalent fuel/ oil bypass separator system complete with high level alarm and SMS dialler etc.; excavation; disposal; backfilling; minimum 300mm thick grade C28/35 insitu concrete bed and surround to interceptor with A393 mesh as detailed; including inspection chamber with class D400 cast iron cover and frame to IS/EN 124 bedded and haunched in mortar designation 3 to IS406, build up with Class B Engineering bricks as necessary; with reinforced insitu concrete support plinth; all installations in accordance with manufacturers instructions; all in accordance with Engineers drawings and specificaitons; refer to Engineers drawings and specifications for further details and requirements					
	Petrol interceptors; proprietary units; backfilling with clause 808 hardcore					
A	model 'NSBP015' Class 1 or equivalent	1	nr			
	ACO 'MultiDrain MD Brickslot ST' or equivalent linear drainage channel to suit heavy trafficed main site entrance; channel unit length 500/1000mm; overall width 135mm; overall depth 150mm; invert depth 150mm; jointing with approved sealant; 1nr 150mm diameter outlet; 2nr end caps; 150mm thick C20/25 insitu concrete foundation and haunching; formwork as necessary					
	Drainage channel					
B	150 x 235mm deep	143	m			
	Extra over for					
C	stop end	2	nr			
D	angles	4	nr			
E	extra 225mm drain outlet	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
	ATTENUATION CHAMBER					
	SW Attenuation Tank complete as Drwg. 20153 5005 C02 ; Attenuation Stormtech SC-740 or similar approved Storage Polytunnel Systems with Isolater Row suitable for use in landscaped areas with allowance made for ride on lawnmower with cover provided designed in accordance with all current and relevant standards ; include excavation - cover level 13.65 / invert level 12.65m [including breaking up rock - see levels below] ; backfilling over top of Attenuation to surface level & disposal of surplus excavated material ; grassing/ seeding over entire area of Attenuation; all installations in accordance with manufacturer's instructions; all in accordance with Engineers drawings and specifications; refer to Engineers for further details					
	Attenuation tanks; proprietary units; backfilling with clause 808 hardcore					
A	chamber size 5.00m x 10.00m on plan ; Invert level 12.650m [AVG] ; Cover level 13.650m [APPROX] ;	1	Nr			

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
	SW Attenuation Tank complete as Drwg. 20153 5005 C02 ; Attenuation Stormtech SC-740 or similar approved Storage Polytunnel Systems with Isolater Row suitable for use in landscaped areas with allowance made for ride on lawnmower with cover provided designed in accordance with all current and relevant standards ; include excavation - cover level 15.75 / invert level 14.75m [including breaking up rock - see levels below] ; backfilling over top of Attenuation to surface level & disposal of surplus excavated material ; grassing/ seeding over entire area of Attenuation; all installations in accordance with manufacturer's instructions; all in accordance with Engineers drawings and specifications; refer to Engineers for further details					
	Attenuation tanks; proprietary units; backfilling with clause 808 hardcore					
A	chamber size 10.00m x 10.00m on plan ; Invert level 14.750m [AVG] ; Cover level 15.750m [APPROX] ;	1	nr			
	SW Attenuation Tank complete as Drwg. 20153 5005 C02 ; Attenuation Stormtech SC-740 or similar approved Storage Polytunnel Systems with Isolater Row suitable for use in landscaped areas with allowance made for ride on lawnmower with cover provided designed in accordance with all current and relevant standards ; include excavation - cover level 15.35 / invert level 14.35m [including breaking up rock - see levels below] ; backfilling over top of Attenuation to surface level & disposal of surplus excavated material ; grassing/ seeding over entire area of Attenuation; all installations in accordance with manufacturer's instructions; all in accordance with Engineers drawings and specifications; refer to Engineers for further details					
	Attenuation tanks; proprietary units; backfilling with clause 808 hardcore					

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
A	chamber size 40.00m x 9.50m on plan ; Invert level 14.350m [AVG] ; Cover level 15.350m [APPROX] ;	1	nr			
	Precast concrete cylindrical manholes to I.S. 420 in conjunction with IS EN 1917:2004; 1200mm diameter; excavation, rock, earthworks supports, disposal, backfilling with hardcore clause 804 as required; 75mm concrete grade C12/15 blinding to base, reinforced in-situ concrete grade C30/37 concrete base as detailed; 75mm thick smooth cement : mortar (1:3);sand cement benching; largest channel 225/350mm; finish, 1200mm diameter precast concrete rings to IS 420 sunk, elastometric joint details to EN 681; 150mm thick grade C16/20 in-situ concrete surround to manholes including all formwork; 225mm thick reinforced C30/37 concrete covers with 600mm diameter opening, making up levels in three courses of class B engineering bricks bedding and jointing in C50/60 cement mortar with opening left for 600mm diameter cast iron cover; include for all associated benchings, channels, rocker pipes and the like as necessary; 1:3 Cement:Sand mortar with steel trowel finish at a 1:30 slope towards the channel; self cleaning toe holes to be provided where channel exceeds 600mm wide; allow average 2 No 225mm pipes inlets/ outlets, 1 No 150mm inlet and 2 no 110mm inlet to each manhole; all in accordance with Irish Water Requirements; refer to Engineer's drawing and specifications for further details and requirements;					
	Manhole					
B	1000-1500mm deep	11	nr			
C	1500-2000mm deep	2	nr			
D	1500-2000mm deep (hydrobrake manhole)	1	nr			
E	2000-2500mm deep	5	nr			

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
	Extra over for					
A	hydrobrake fiited and alterations to manhole to restrict outflow Engineers requirements - 8.1L/s; Flow control unit by Hydro Internation or equivalent sysytem; with non return valve provided; to be fitted to Manhole; all installations in accordance with the manufacturer's instructions; refer to Engineers drawings and specifications for further details and requirements; refer to Engineers drawing for further details and requirements	1	nr			
	Backdrop assemblies; vertical pipe; 90 degree branch tumbling bay junction at top; 90 degree knuckle bend at bottom; 750mm long horizontal pipe; cutting hole in manhole wall for high level pipe penetration; building in end of high level pipe; expanding pipe stopper chained to chamber wall; all in accordance with manufacturers instructions; all in accordance with Engineers drawings and specifications					
B	pipe diameter 450mm; height 1000-1500mm	2	nr			
	Cast iron manhole access covers and frames to comply with IS EN 124 and BS 7903; heavy duty Class D400 for traffic area with minimum frame depth of 150mm; single seal; bedding frame in C50/60 mortar and bitumen coating in accordance with I.S. 261; sealing cover with grease and sand; building up cover as required in Class B engineers bricks and set in C50/60 mortar; all installations in accordance with the manufacturers instructions; all in accordance with Engineers drawings and specifications					
	Sundries					
C	600mm covers	14	nr			
D	extra: angles	4	nr			
E	extra 225mm drain outlet	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
	Recessed manhole access covers and frames to comply with IS EN 124 and BS 7903; covers to accommodate paving as specified; heavy duty Class D400 for traffic area with minimum frame depth of 150mm; single seal; bedding frame in C50/60 mortar and bitumen coating in accordance with I.S. 261; sealing cover with grease and sand; building up cover as required in Class B engineers bricks and set in C50/60 mortar; all installations in accordance with the manufacturers instructions; all in accordance with Engineers drawings and specifications					
	Sundries					
A	600mm covers	7	nr			
	Excavating to expose existing Surface water manhole on site; break out existing manhole and connect new 150mm diameter surface water sewer into existing manhole; modify manhole benching and channels for new connection; concrete bed and surround pipe and manhole on completion; on existing storm sewer line; reinstating on completion to match existing any works disturbed; maintaining flow during works or temporary diversion of sewers as necessary to be included for to facilitate new connections; connecting exisitng pipes to new manhole including all necessary benchings and fittings; backfilling with hardcore and concrete bed and surround; making good on completion to any works disturbed, in accordance with the manufacturer's instructions					
	Connection to existing					
B	nominal pipe diameter 150mm	10	nr			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
	Testing and commissioning					
A	Each test shall be witnessed and certified by the Contractors Engineer. The Contractor must notify the relevent authority a few days prior to testing in order to give them the opportunity to visit site and supervise the testing		Note			
	Allow for testing as specified; all in accordance with Irish Water requirements; refer to Engineers drawings and specifications for further details and requirements on testing					
B	Flushing - to clear all dirt, debris, or foreign matter that may have entered during pipe laying operations		Item			
C	Water retaining tests completion results for manholes structures		Item			
D	Visual inspection completion results of manholes		Item			
E	Air tests and water tests completion results for sewers		Item			
F	Hydrostatic and Leakage Test		Item			
G	air testing & infiltration testing		Item			
H	Completion Test		Item			
I	pressure test		Item			
J	CCTV survey		Item			
K	Manhole Condition Survey report in CD/ DVD format and in hard copy format		Item			
L	Commissioning reports of wastewater infrastructure		Item			
M	as-built drawings		Item			
N	Provision of "As-Constructed" drawings and records of constructed water infrastructure as per 1.7.15 of the Code of Practice for Water Infrastructure:.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
A	Provision of "As Constructed" record of service pipe installation completion (including link to WPRN) as per 1.7.7		Item			
	FOUL DRAINAGE					
	DRAINAGE					
	DRAINAGE BELOW GROUND					
	Excavating trenches; backfilling with hardcore filling Clause 804, laying and compacting in accordance with the "Specification for Road Works" produced by the Department of the Environment; identification marker tape 400mm wide brown polyethylene material in accordance with EN 12163 as specified; all in accordance with Irish Water requirements and details; all in accordance with Engineers drawings and specifications					
	Service trenches					
B	average depth of trench 1000 - 1500mm; pipes not exceeding 250mm	161	m			
C	average depth of trench 1500 - 2000mm; pipes not exceeding 250mm	48	m			
D	average depth of trench 2000 - 2500mm; pipes not exceeding 250mm	70	m			
	Extra over excavating trenches irrespective of depth					
E	crossing existing services; foul water; 150mm diamter	5	nr			
F	crossing existing services; surface water; 150mm diamter	3	nr			
G	crossing existing services; watermain; 150mm diamter	2	nr			
H	crossing existing services; electical services (ESB); 150mm diamter	5	nr			
I	crossing existing services; electical services (Telecom); 110mm diamter	4	nr			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
A	crossing existing services; electical services (Site Lighting); 110mm diamter	2	nr			
	Disposal					
B	ground water		item			
C	surface water		Item			
	Granular bedding; to comply with WIS 4-08-02 and IGN 4-08-01 granular material shall be 14mm to 5mm graded or 10mm single sized aggregrate to IS EN 13242; to pipe; 150mm minimum compacted cover to pipes; all in acocrdance with Engineers drawings and specifications; refer to Engineers drawings for further details and requirements					
D	Beds and surrounds		moid			
E	600mm x 510mm thick; 110mm nominal diameter	107	m			
F	750mm x 350mm thick; 150mm nominal diameter	171	m			
	Upvc pipes; Thermoplastic structured wall pipes to stiffness class SN8 (8kn/m2); all laying and jointing in accordance with the manufacturer's instructions; all in accordance with Engineers drawings and specifications					
	Pipes					
G	110mm diameter pipe	107	m			
H	150mm diameter pipe	171	m			
I	150mm diameter pipe (replacement of defective foule lines)	152	m			
	90 degree bends; for use with thermoplastic Class SN8 pipework; all installation, laying, jointing and fixing in accordance with the manufacturer's instructions; all in accordance with Engineers drawings and specifications					
	Fittings					

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
A	110mm diameter pipe	10	nr			
B	150mm diameter pipe	4	nr			
	Y-junctions; for use with thermoplastic Class SN8 pipework; all installation, laying, jointing and fixing in accordance with the manufacturer's instructions; all in accordance with Engineers drawings and specifications					
	Fittings					
C	110mm diameter pipe	21	nr			
D	150mm diameter pipe	1	nr			
	150 x 150mm "Wavin" or equivalent back inlet P.V.C. gully traps with all associated bends etc.; metal grid cover; exit to be 150mm diameter; bed and surrounded in concrete; risers as necessary; 150mm thick ST4 mix insitu concrete bed and surround; fixing in accordance with the manufacturers instructions; all in accordance with Engineers drawings and specifications					
	Pipe accessories					
E	generally	21	nr			
	300 x 300mm P.V.C. Armstrong Junction; "Wavinsewer" or equivalent; average one 150mm diameter inlet, 2 No 150mm inlets; one 150mm diameter outlet; recessed metal covers to BS 497, Grade C2 to accomodate paving; laying and fixing in accordance with the manufacturer's instructions; 150mm thick ST4 mix insitu concrete bed and surround as necessary; all in accordance with Engineers/ Architects drawings and specifications					
	Pipe accessories					
F	armstrong junctions	21	nr			
	Extra over for					
G	supply and installation of recessed metal cover to take paved surfacing	21	nr			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
	Precast concrete cylindrical manholes to I.S. 420 in conjunction with IS EN 1917:2004; 1200mm diameter; excavation, rock, earthworks supports, disposal, backfilling with hardcore clause 804 as required; 75mm concrete grade C12/15 blinding to base, reinforced in-situ concrete grade C30/37 concrete base as detailed; 75mm thick smooth cement : mortar (1:3);sand cement benching; largest channel 225/350mm; finish, 1200mm diameter precast concrete rings to IS 420 sunk, elastometric joint details to EN 681; 150mm thick grade C16/20 in-situ concrete surround to manholes including all formwork; 225mm thick reinforced C30/37 concrete covers with 600mm diameter opening, making up levels in three courses of class B engineering bricks bedding and jointing in C50/60 cement mortar with opening left for 600mm diameter cast iron cover; include for all associated benchings, channels, rocker pipes and the like as necessary; 1:3 Cement:Sand mortar with steel trowel finish at a 1:30 slope towards the channel; self cleaning toe holes to be provided where channel exceeds 600mm wide; allow average 2 No 225mm pipes inlets/ outlets, 1 No 150mm inlet and 2 no 110mm inlet to each manhole; all in accordance with Irish Water Requirements; refer to Engineer's drawing and specifications for further details and requirements;					
	Manhole					
A	1000-1500mm deep	3	nr			
B	1500-2000mm deep	4	nr			
C	2000-2500mm deep	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
	Cast iron manhole access covers and frames to comply with IS EN 124 and BS 7903; heavy duty Class D400 for traffic area with minimum frame depth of 150mm; single seal; bedding frame in C50/60 mortar and bitumen coating in accordance with I.S. 261; sealing cover with grease and sand; building up cover as required in Class B engineers bricks and set in C50/60 mortar; all installations in accordance with the manufacturers instructions; all in accordance with Engineers drawings and specifications					
	Sundries					
A	600mm covers	6	nr			
	Recessed manhole access covers and frames to comply with IS EN 124 and BS 7903; covers to accommodate paving as specified; heavy duty Class D400 for traffic area with minimum frame depth of 150mm; single seal; bedding frame in C50/60 mortar and bitumen coating in accordance with I.S. 261; sealing cover with grease and sand; building up cover as required in Class B engineers bricks and set in C50/60 mortar; all installations in accordance with the manufacturers instructions; all in accordance with Engineers drawings and specifications					
	Sundries					
B	600mm covers	2	nr			

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
	Excavating to expose existing foul water manhole on site; break out existing manhole and connect new 150mm diameter surface water sewer into existing manhole; modify manhole benching and channels for new connection; concrete bed and surround pipe and manhole on completion; on existing storm sewer line; reinstating on completion to match existing any works disturbed; maintaining flow during works or temporary diversion of sewers as necessary to be included for to facilitate new connections; connecting exisitng pipes to new manhole including all necessary benchings and fittings; backfilling with hardcore and concrete bed and surround; making good on completion to any works disturbed, in accordance with the manufacturer's instructions					
	Connection to existing					
A	nominal pipe diameter 150mm	10	nr			
	Testing and commissioning					
B	Each test shall be witnessed and certified by the Contractors Engineer. The Contractor must notify the relevent authority a few days prior to testing in order to give them the opportunity to visit site and supervise the testing		Note			
	Allow for testing as specified; all in accordance with Irish Water requirements; refer to Engineers drawings and specifications for further details and requirements on testing					
C	Flushing - to clear all dirt, debris, or foreign matter that may have entered during pipe laying operations		Item			
D	Water retaining tests completion results for manholes structures		Item			
E	Visual inspection completion results of manholes		Item			
F	Air tests and water tests completion results for sewers		Item			

To Collection €

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
A	Hydrostatic and Leakage Test		Item			
B	air testing & infiltration testing		Item			
C	Completion Test		Item			
D	pressure test		Item			
E	CCTV survey		Item			
F	Manhole Condition Survey report in CD/ DVD format and in hard copy format		Item			
G	Commissioning reports of wastewater infrastructure		Item			
H	as-built drawings		Item			
I	Provision of "As-Constructed" drawings and records of constructed water infrastructure as per 1.7.15 of the Code of Practice for Water Infrastructure:.		Item			
J	Provision of "As Constructed" record of service pipe installation completion (including link to WPRN) as per 1.7.7		Item			
	WATERMAIN					
	DRAINAGE					
	DRAINAGE BELOW GROUND					
K	Refer to Irish Water Code of Practice and Irish Water Standard Details for further details and requirements in relation to watermain installations. All installations to comply with Irish Water Requirements		Note			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
	Excavating trenches; backfilling with hardcore filling Clause 804, laying and compacting in accordance with the "Specification for Road Works" produced by the Department of the Environment; identification marker tape 400mm wide blue polyethylene material in accordance with EN 12163 as specified; all in accordance with Irish Water requirements and details; all in accordance with Engineers drawings and specifications					
	Service trenches					
A	average depth 500 - 1000mm; pipes not exceeding 250mm	373	m			
	Disposal					
B	ground water		Item			
C	surface water		Item			
	Granular bedding; to comply with WIS 4-08-02 and IGN 4-08-01 granular material shall be 14mm to 5mm graded or 10mm single sized aggregrate to IS EN 13242; to pipe; 150mm minimum compacted cover to pipes; all in acocrdance with Engineers drawings and specifications; refer to Engineers drawings for further details and requirements					
	Beds and surrounds					
D	500mm x 450mm thick; 100mm nominal diameter	373	m			
	Polyethylene blue watermain pipes, HDPE blue watermain pipe; SDR-17 rating; laying and jointing in accordance with the manufacturer's instructions; all in accordance with Engineers drawings and specifications					
	Pipes					
E	nominal diameter 100mm	373	m			
	Extra over pipes on which they occur for					

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
	45 degree bends; for use with HDPE watermain;all fixing in accordance with the manufacturer's instructions; all in accordance with Engineers drawings and specifications					
	Fittings					
A	nominal diameter 100mm	2	nr			
	90 degree bends; for use with HDPE watermain;all fixing in accordance with the manufacturer's instructions; all in accordance with Engineers drawings and specifications					
	Fittings					
B	nominal diameter 100mm	11	nr			
	Sluice valves to Irish Water Requirements, chambers and covers to I.S. 261, suitable for traffic; all sluice valves and connections to irish water requirements, anti clockwise closing; standard sluice valve chamber detail; C25/30 100mm precast concrete base; precast or blockwork chamber to Irish water specification and requirements, internal dimensions 600 x 600mm; 150mm thick concrete roof slab C30/37 reinforced slab; excavation; earthworks supports; disposal and backfilling with Clause 804 hardcore; internal size 600 x 600 x 1000mm deep; 215mm blockwork walls; sluice valve surface box, cast iron coated to BS 750; lettered "SV" to suite 445 x 280mm ope; 100mm deep frame; bedding hinged cover in grease; class B engineering bricks, bedding and surrounding frame in concrete C50/60 mortar; include for ductile iron pipework to Irish Water Standard details; all in accordance with the manufacturer's instructions; refer to Engineers drawings for further details and requirements					
C	pipe accessories	13	nr			
	Extra over for					
D	dismantling valves	28	nr			

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
	Flow Meter to Irish Water Requirements with On line meter chamber for Electromagnetic bulk water meters; 225mm thick Insitu concrete chamber as detailed complete with all excavation, disposal, backfilling, formwork, reinforcement etc. as detailed; complete with heavy duty manhole cover and frame with minimum 600mm diameter clear opening; step rings at 300mm centres as detailed; concrete support slab - 150mm thick; to be agreed with Irish water and all in accordance with their current guidelines and specifications; refer to Engineer's drawing for further details					
	Meter Chamber					
A	on line meter chamber	1	nr			
	Extra over for					
B	dismantling valves	2	nr			
	Fire Hydrants to be Type 2 screw down type to BS 750, fire hydrant inlet will be 80mm diameter with PN16; 80mm inlet; Cl hydrant disk piece; allow for all connections, thrust blocks, risers double flanged and the like as necessary; all installations in accordance with the manufacturers instructions; refer to Engineers drawings for further details and requirements					
C	pipe accessories	6	nr			
	Extra over for					
D	dismantling valves	12	nr			

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
	Concrete marker post manufacturer as specified; 265 x 100 x 1110mm high, 600mm high above ground, 450mm below ground; including all works for associated foundation 300 x 300 x 450mm deep concrete to be grade C25/30; all installations in accordance with manufacturers instructions; all in accordance with Engineers drawings and specifications; refer to Engineers drawings for further details and requirements					
	Concrete marker posts					
A	for sluice valve	13	nr			
B	for hydrants	6	nr			
C	for meter	1	nr			
	Cast iron indicator plates to BS 3251; 180 x 205mm; all characters to be black on white paint background; all in accordance with Engineers drawings and specifications; refer to Engineers drawings for further details and requirements					
	Indicator plates					
D	for sluice valve	13	nr			
E	for hydrants	13	nr			
F	for meter	6	nr			
	Thrust blocks, concrete grade 20N; excavation, formwork, disposal, backfilling; all in accordance with drawings and specifications; all in accordance with Engineers drawings and specifications; all in accordance with Irish Water drawings and standard details refer to Engineers drawings for further details and requirements; refer to Engineers drawing for further details					
	Chambers					
G	thrust blocks; 90 degree horizontal bends; 100mm diameter pipe	5	nr			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
A	thrust blocks; 135 degree horizontal bends; 100mm diameter pipe	7	nr			
	Excavating to expose existing watermains; connecting new 150mm diameter pipe into existing 150mm diameter pipe; cutting ope for pipe penetration; connecting including all associated fittings; bed and surround new connection in concrtete and backfilling excavations with Clause 804 hardcore; maintain existing watermain flow for duration of works; making good to existing road surface/ footpath on completion and reinstate to match existing, all in accordance with the manufacturer's instructions; all in accordance with Engineers drawings and specifications					
	Sundries					
B	connecting to existing watermain - 150mm diameter	10	nr			
	Testing and commissioning					
C	Each test shall be witnessed and certified by the Contractors Engineer. The Contractor must notify the relevent authority a few days prior to testing in order to give them the opportunity to visit site and supervise the testing		Note			
	Allow for testing as specified; all in accordance with Irish Water requirements; refer to Engineers drawings and specifications for further details and requirements on testing					
D	Flushing - to clear all dirt, debris, or foreign matter that may have entered during pipe laying operations		Item			
E	Water retaining tests completion results for manholes structures		Item			
F	Visual inspection completion results of manholes		Item			
G	Air tests and water tests completion results for sewers		Item			
H	Hydrostatic and Leakage Test		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
A	air testing & infiltration testing		Item			
B	Completion Test		Item			
C	pressure test		Item			
D	CCTV survey		Item			
E	Manhole Condition Survey report in CD/ DVD format and in hard copy format		Item			
F	Commissioning reports of wastewater infrastructure		Item			
G	as-built drawings		Item			
H	Provision of "As-Constructed" drawings and records of constructed water infrastructure as per 1.7.15 of the Code of Practice for Water Infrastructure:.		Item			
I	Provision of "As Constructed" record of service pipe installation completion (including link to WPRN) as per 1.7.7		Item			
	PE LPG SERVICE					
	SUNDRIES AND BUILDERS WORK					
	Excavate trenches by mechanical means for engineering services; backfill above beds and surrounds with imported crushed rock granular fill Type B to Clause 804 of NRA Specification for Roadworks, compacted in layers not exceeding 150mm thick; lay special "gas pipe below" yellow marker tape in accordance with Bord Gais requirements; all in accordance with drawings and specifications					
	Service trenches; gas ducts/pipes not exceeding 250mm nominal diameter; excavation starting at reduced level; backfilling with Hardcore clause 804, up to reduced level; marking tape as described					
J	average depth of trench 500-1000mm;	215	m			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
	Disposal					
A	ground water		Item			
B	surface water		Item			
C	Extra over excavating trenches irrespective of depth					
	Breaking up hard surfaces					
D	grubbing up & reinstating existing tarmacadam surfacing all in accordance with Architect's drawings and specifications	128	m			
	Duct/pipe surround material comprising unwashed sand to BS882; obtained off site; well compacted around ducts/pipes; all in accordance with drawings and specifications					
	Beds and surrounds					
E	230 x 230mm thick ; 63mm diameter pipe	95	m			
F	230 x 230mm thick ; 90mm diameter pipe ; to existing heat centre	120	m			
	Shut off valve; gas valve to suite 90mm diameter PE pipework; pipes/ fittings to Gas Networks Ireland specification and standards; all pipework installed tested and commissioned by registered gas specialist; laying and jointing in accordance with manufacturer's instructions; all in accordance with Engineer's drawings and specifications					
	Sundries; pipe accessories; valve					
G	nominal diameter 32mm	1	nr			
H						

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
	GAS STORAGE COMPOUND					
	EXCAVATION INCLUDED IN SITE PREPARATION					
	EXCAVATION					
	FILLING					
	Sub base Type 1 MOT consolidated 804 of NRA Specification for Roadworks; 250mm thick; compacted in layers not exceeding 150mm thick; all in accordance with Engineer's drawings and specifications					
	Filling; depositing in layers 150mm maximum thickness					
A	to make up levels; not exceeding 250mm thick	25	m3			
	Surfaces of filling					
B	levelling ; blinding & compacting	48	m2			
	CONCRETE					
	Plain/ reinforced in-situ concrete grade C28/35 poured on or against earth or unbinded hardcore					
	Paving ; laid to falls & cross falls					
C	not exceeding 150mm thick	8	m3			
	REINFORCEMENT					
	Reinforcement; fabric ; BS4483 hard drawn plain round steel, welded; 300mm side and end laps; as specified					
	Fabric					
D	reference A393 ; horizontal	48	m2			
	FORMWORK					
	Basic finish formwork for non-exposed concrete faces below ground; all in accordance with Architects/ Engineer's drawings and specifications					
	Edges of beds					

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
A	not exceeding 250mm wide	28	m			
	SURFACE PAVING FENCING AND LANDSCAPING					
	FENCING [AROUND GAS COMPOUND]					
	Weldmesh fencing on & include for supports set into ground & surrounded in concrete [standard design] all in accordance with Architects specifications and drawings					
	Black weldmesh fencing					
B	2m high	24	m			
C	extra corners with struts as required	4	nr			
D	extra for single leaf gate opening outwards ; include for hinges & locking device [not self-locking]	2	nr			
	WORKS OUTSIDE SITE BOUNDARY:					
	GENERAL					
E	The Contractor must obtain permission and liaise with the relevant Local Authority & Utility Providers where necessary in relation to the works outside the site on the public roadway. Pay all costs and charges in connection with same (road opening licences and the like) and make good all work disturbed to the satisfaction of the Local Authority Engineers. The contractor shall be responsible for all costs including road opening licenses as required for works.		Item			
F	The contractor shall include for liaising with the adjoining property owners with regard to works outside their properties/ on their boundaries and programme all works as required to provide minimal interference and disturbance to the the occupiers of the properties; All existing dwelling and field entrances are to be maintained trhoughout the works and it will be the responsibility of the contractor for maintaining access and liasing with property owners throught the works		Item			

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
A	The Contractor shall note the existing school shall be operational and the contractor shall minimise disruption to same and limit works at peak collection and drop off times		Item			
B	The Contractor shall be required to prepare detailed traffic management plan for works on the public roadway for the approval of the Design Team and Local Authority prior to commencement of works		Item			
C	The Contractor shall note the presence of street lighting and other services on the public roadway. The contractor shall include for all costs associated with protection of existing services and all associated cost with working around and alongside same		Item			
D	The contractor shall visit the site and review all requirements associated with the works and include for all associated cost within the tender		Item			
E	It is the responsibility of the applicant to locate and safeguard all existing services during the course of construction. The contractor shall be liable for all damage and consequential damage to same		Item			
	DEMOLITIONS & ALTERATIONS					
	DEMOLITIONS					
	Decommission and remove off site the following site services; allow for backfilling on removal with Hardcore clause 804; dispose of pipe & excavated material off site; make good to green areas and all works disturbed on completion of works to match existing; all in accordance with Engineer's drawings and specifications					
	Removing; Plumbing & Engineering					
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
A	existing watermaint; 1000-1500mm deep; excavate and remove existing pipes; 100mm diameter; allow for backfilling in Hardcore Clause 804 to ground level; refer to Engineer's drawings for further details	92	m			
	WATERMAIN					
	DRAINAGE BELOW GROUND					
B	Refer to Irish Water Code of Practice and Irish Water Standard Details for further details and requirements in relation to watermain installations. All installations to comply with Irish Water Requirements		Note			
	Excavating trenches; backfilling with hardcore filling Clause 804, laying and compacting in accordance with the "Specification for Road Works" produced by the Department of the Environment; identification marker tape 400mm wide blue polyethylene material in accordance with EN 12163 as specified; all in accordance with Irish Water requirements and details; all in accordance with Engineers drawings and specifications					
	Service trenches					
C	average depth 500 - 1000mm; pipes not exceeding 250mm	128	m			

To Collection €

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
	Extra over excavating trenches irrespective of depth					
A	breaking up hard surfaces; site road; tarmacadam; thickness 120mm; saw-cutting along both sides of strip; reinstating to match existing on completion; all in accordance with Architect's drawings and specifications; 40mm thick PSMA in accordance with TII SRW CL.942 with light grey pigmentation to be added to Asphalt mixture on 60mm thick AC20 Dense BIN 70/100 RC in accordance with TII SRW CL.906 ON 150mm min. CL804 Granular fill CLass B, on Min. 225m 6F1/6F2 capping	8	m			
B	existing topsoil and subsoil in existing green areas; thickness 200mm; cutting along both sides of strip; reinstating to match existing on completion; all in accordance with Architect's drawings and specifications	120	m			
	Disposal					
C	ground water		Item			
D	surface water		Item			
	Granular bedding; to comply with WIS 4-08-02 and IGN 4-08-01 granular material shall be 14mm to 5mm graded or 10mm single sized aggregrate to IS EN 13242; to pipe; 150mm minimum compacted cover to pipes; all in acocrdance with Engineers drawings and specifications; refer to Engineers drawings for further details and requirements					
	Beds and surrounds					
E	500mm x 450mm thick; 100mm nominal diameter	128	m			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
	Polyethylene blue watermain pipes, HDPE blue watermain pipe; SDR-17 rating; laying and jointing in accordance with the manufacturer's instructions; all in accordance with Engineers drawings and specifications					
	Pipes					
A	nominal diameter 100mm	128	m			
	Extra over pipes on which they occur for					
	45 degree bends; for use with HDPE watermain;all fixing in accordance with the manufacturer's instructions; all in accordance with Engineers drawings and specifications					
	Fittings					
B	nominal diameter 100mm	2	nr			
	90 degree bends; for use with HDPE watermain;all fixing in accordance with the manufacturer's instructions; all in accordance with Engineers drawings and specifications					
	Fittings					
C	nominal diameter 100mm	2	nr			

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
	Sluice valves to Irish Water Requirements, chambers and covers to I.S. 261, suitable for traffic; all sluice valves and connections to irish water requirements, anti clockwise closing; standard sluice valve chamber detail; C25/30 100mm precast concrete base; precast or blockwork chamber to Irish water specification and requirements, internal dimensions 600 x 600mm; 150mm thick concrete roof slab C30/37 reinforced slab; excavation; earthworks supports; disposal and backfilling with Clause 804 hardcore; internal size 600 x 600 x 1000mm deep; 215mm blockwork walls; sluice valve surface box, cast iron coated to BS 750; lettered "SV" to suite 445 x 280mm ope; 100mm deep frame; bedding hinged cover in grease; class B engineering bricks, bedding and surrounding frame in concrete C50/60 mortar; include for ductile iron pipework to Irish Water Standard details; all in accordance with the manufacturer's instructions; refer to Engineers drawings for further details and requirements					
A	pipe accessories	1	nr			
	Extra over for					
B	dismantling valves	2	nr			
	Concrete marker post manufacturer as specified; 265 x 100 x 1110mm high, 600mm high above ground, 450mm below ground; including all works for associated foundation 300 x 300 x 450mm deep concrete to be grade C25/30; all installations in accordance with manufacturers instructions; all in accordance with Engineers drawings and specifications; refer to Engineers drawings for further details and requirements					
	Concrete marker posts					
C	for sluice valve	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
	Cast iron indicator plates to BS 3251; 180 x 205mm; all characters to be black on white paint background; all in accordance with Engineers drawings and specifications; refer to Engineers drawings for further details and requirements					
	Indicator plates					
A	for sluice valve	1	nr			
	Thrust blocks, concrete grade 20N; excavation, formwork, disposal, backfilling; all in accordance with drawings and specifications; all in accordance with Engineers drawings and specifications; all in accordance with Irish Water drawings and standard details refer to Engineers drawings for further details and requirements; refer to Engineers drawing for further details					
	Chambers					
B	thrust blocks; 90 degree horizontal bends; 100mm diameter pipe	2	nr			
C	thrust blocks; 135 degree horizontal bends; 100mm diameter pipe	2	nr			
	Excavating to expose existing foul water manhole; break out existing reinforced concrete manhole and connect new sewer pipe into existing (110mm diameter); alter existing manhole and benchings as necessary; seal and make good on completion, reinstating on completion to match existing; including all necessary benchings and channels; maintaining flow during works; connecting; backfilling with hardcore and concrete bed and surround; making good on completion to any works disturbed, in accordance with the manufacturer's instructions					
	Connection to existing					
D	nominal pipe diameter 100mm to existing manhole	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
	Testing and commissioning					
A	Each test shall be witnessed and certified by the Contractors Engineer. The Contractor must notify the relevent authority a few days prior to testing in order to give them the opportunity to visit site and supervise the testing		Note			
	Allow for testing as specified; all in accordance with Irish Water requirements; refer to Engineers drawings and specifications for further details and requirements on testing					
B	Flushing - to clear all dirt, debris, or foreign matter that may have entered during pipe laying operations		Item			
C	Water retaining tests completion results for manholes structures		Item			
D	Visual inspection completion results of manholes		Item			
E	Air tests and water tests completion results for sewers		Item			
F	Hydrostatic and Leakage Test		Item			
G	air testing & infiltration testing		Item			
H	Completion Test		Item			
I	pressure test		Item			
J	CCTV survey		Item			
K	Manhole Condition Survey report in CD/ DVD format and in hard copy format		Item			
L	Commissioning reports of wastewater infrastructure		Item			
M	as-built drawings		Item			
N	Provision of "As-Constructed" drawings and records of constructed water infrastructure as per 1.7.15 of the Code of Practice for Water Infrastructure:.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
A	Provision of "As Constructed" record of service pipe installation completion (including link to WPRN) as per 1.7.7		Item			

To Collection €

Description	Qty	Unit	Rate	€	c
EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
COLLECTION					
Page No. BQ/648					
Page No. BQ/649					
Page No. BQ/650					
Page No. BQ/651					
Page No. BQ/652					
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Page No. BQ/666					
Page No. BQ/667					
Page No. BQ/668					
Page No. BQ/669					
Page No. BQ/670					

Description	Qty	Unit	Rate	€	c
EL (50) SITE SERVICES (PIPED AND DUCTED) (Cont'd)					
COLLECTION					
Page No. BQ/671					
Page No. BQ/672					
Page No. BQ/673					
Page No. BQ/674					
Page No. BQ/675					
Page No. BQ/676					
Page No. BQ/677					
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Page No. BQ/684					
Page No. BQ/685					
Page No. BQ/686					
Page No. BQ/687					
Page No. BQ/688					
EL (50) SITE SERVICES (PIPED AND DUCTED) Carried to Summary					

	Description	Qty	Unit	Rate	€	c
	EL (60) SITE SERVICES (MAINLY ELECTRICAL)					
	INFORMATION					
	1. The Contractor is advised that the Architect's, Structural and Services Engineer's Drawings and Specifications (Works Requirements) are all complimentary to each other and should be read in conjunction with one another.					
	2. The Contractor shall refer to the Drawings and Specifications included in the Works Requirements, Volume A.					
	3. All works outside the boundary of the site are measured separately towards the end of this Element and identified as "works outside site boundary".					
A	4. The Contractor shall be deemed to have examined the existing underground electrical power lines/cables and other existing services affecting the proposed works. The Contractor is to ascertainprecisely the nature and extent of the works required and the conditions under which they will have to be executed, as no claims will be allowed on the grounds of want of knowledge in these or other respects. The Contractor shall make due allowance in his rates for working in and around and maintaining existing services as necessary. Any damage caused shall be made good at the Contractor's own expense. Refer to site survey for further details and requirements		Item			
B	5. Not withstanding ARM4 Section B, the Contractor's rates within this Element shall be deemed to include for any profit required on utility providers, other charges required associated with employment of utility providers, and any general/special attendances which the Contractor may be required to provide to utility providers.		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (60) SITE SERVICES (MAINLY ELECTRICAL) (Cont'd)					
A	6. All works shall be undertaken in strict accordance with relevant utility provider's standard details and requirements. The contractor shall include for all costs associated with compliance with utilities standard details and specifications		Item			
B	7. The Contractor shall provide all necessary watching, lighting and protection in connection with works outside the boundary of the site, including barricading, steel plates and the like. The Contractor shall maintain the free flow of motor/cycle/pedestrian traffic and provide temporary traffic control as necessary.		Item			
C	8. The Contractor shall refer to Architect's drawing for details of the resticted machinery access routes in relation to works in restricted site area with site features and include for all costs associated with same, temporary roadway etc. as required to areas within site features.		Item			
D	9. The Contractor shall note the fill levels to areas of the site. Subject to the contractors methodology for completing services installations all excavation costs as necessary through hardcore filling will be deemed to be included in the rates for trench excavation through fill areas where required.		Item			
	Testing & Commissioning to be completed as specified in the Electrical Services Engineers Specification and as required by ESB Network guidelines					
E	allow for testing and commissioning will be required at each phase to ensure the installations are operating correctly before proceeding with subsequent phases as specified		Item			

	Description	Qty	Unit	Rate	€	c
	EL (60) SITE SERVICES (MAINLY ELECTRICAL) (Cont'd)					
	DEMOLITIONS & ALTERATIONS					
	DEMOLITIONS					
	Decommission and remove off site the following site services; allow for backfilling on removal with Hardcore clause 804; dispose of pipe & excavated material off site; make good to green areas and all works disturbed on completion of works to match existing; all in accordance with Engineer's drawings and specifications					
	Removing; Plumbing & Engineering					
A	underground site lighting ; 5000-1000mm deep, backfill in hardcore clasue 804	317	m			
B	existing public lighting poles to be removed	12	nr			
C	existing electricity poles to be removed	3	nr			
	Decommission and divert the following site services; all in accordance with Engineer's drawings and specifications					
D	Removing; Plumbing & Engineering					
E	diverting oberhead ESB lines	390	m			
F	existing telecom poles to be removed	4	nr			

	Description	Qty	Unit	Rate	€	c
	EL (60) SITE SERVICES (MAINLY ELECTRICAL) (Cont'd)					
	SITE SERVICES (GENERALLY)					
	SUNDRIES AND BUILDERS WORK					
	Excavate trenches; backfilling with hardcore filling Clause 804, laying and compacting in accordance with the " Specification for Road Works " produced by the Department of the Environment ; laying warning foil marker tape (yellow & red) ; all in accordance with Drawings and Specification ; cart away excavated mateial					
	Service trenches; cable ducts not exceeding 250mm nominal diameter; excavation starting at reduced level; backfilling with special material as described, up to reduced level; marking tape as described					
A	average depth 500 - 1000mm ; pipe not exceeding 225mm nominal diameter	474	m			
B	average depth 500 - 1000mm ; pipe not exceeding 225mm nominal diameter (trench for 2 nr pipes)	504	m			
C	average depth 500 - 1000mm ; pipe not exceeding 225mm nominal diameter (trench for 3 nr pipes)	182	m			
D	average depth 500 - 1000mm ; pipe not exceeding 225mm nominal diameter (trench for 4 nr pipes)	115	m			
	Extra over trenches					
	Breaking up hard surfaces					
E	grubbing up & reinstating existing tarmacadam surfacing all in accordance with Architect's drawings and specifications	1,020	m			
	Disposal					
F	ground water		item			

	Description	Qty	Unit	Rate	€	c
	EL (60) SITE SERVICES (MAINLY ELECTRICAL) (Cont'd)					
	Duct surround material comprising unwashed sand to BS882; obtained off site; well compacted around ducts; all in accordance with drawings and specifications					
	Beds & surrounds					
A	260 x 260mm thick ; 125mm nominal diameter duct	474	m			
B	750 x 260mm thick ; 2nr 125mm nominal diameter ducts alongside	504	m			
C	900 x 260mm thick ; 3nr 125mm nominal diameter ducts alongside	182	m			
D	900 x 260mm thick ; 4nr 125mm nominal diameter ducts alongside	115	m			
	ESB SUPPLY					
	ELECTRICAL INSTALLATIONS					
	ELECTRICAL INSTALLATIONS					
	SUNDRIES AND BUILDERS WORK					
	Excavation draw pit for ESB cable , to be backfilled and surface to be reinstated before insstllation of ESB cable; all in accordance with Drawings and Specification					
	Draw pits					
E	Size of draw pit 2000mm x 2000mm x 1000mm deep	5	nr			
	'Red' ESB ducting, "Wavin" or equivalent, uPVC ducts to ESB Networks specifications, laying and jointing with socket joints with rubber rings in running lengths; laying draw wires; all in accordance with the manufacturer's instructions; all in accordance with drawings and specifications					
	Cable ducts					
F	125mm diameter	498	m			

	Description	Qty	Unit	Rate	€	c
	EL (60) SITE SERVICES (MAINLY ELECTRICAL) (Cont'd)					
	Extra over ducts on which they occur					
	Adjustable bends; UPVC or equivalent duct bends to ESB Networks specification; laying, jointing and fixing in accordance with the manufacturers instructions					
	Fitting					
A	125mm diameter	6	nr			
	Extra over ducts on which they occur					
B	capping ESB ducts at each phase	10	nr			
	New ESBN minipillar complete with VC2 precast chamber, mini pillar to be installed level, mark flush with ground level and front face of minipillar flsuh with inside line of footpath, minipillar must be earthed to ESBN requirement; ll in accordance with Services Engineer's drawings specification					
	Fittings					
C	ESB mini pillar	1	nr			
	Testing & Commissioning to be completed as specified in the Electrical Services Engineers Specification and as required by ESB Network guidelines					
D	testing completed installation throughout construction and on completion; as specified		Item			
	CONCRETE WORKS					
	IN-SITU CONCRETE					
	Insitu concrete plinth for new external cabinet ; grade C28/35; maximum aggregate size 20mm; Exposure Class XC3/XC4/XF1/ XF3/XA1; vibrator compacted; waterproof ad mixture to be added to concrete to specialist design to achieve waterproofing to Grade3; all in accordance with Engineers drawings and specifications					
	Slab ; reinforced					

	Description	Qty	Unit	Rate	€	c
	EL (60) SITE SERVICES (MAINLY ELECTRICAL) (Cont'd)					
A	thickness not exceeding 150mm	2	m3			
	REINFORCEMENT					
	Steel wire fabric reinforcement to BS4483, comprising plain hard drawn mild steel wire to BS4482; longitudinal main bars to have 300mm laps; transverse bars to have 450mm laps; laying in accordance with engineers specifications					
	Fabric; horizontal					
B	size A252;paths	3	m2			
	FORMWORK					
	Plain basic finish formwork					
	Edges of beds					
C	height not exceeding 250mm; paths	7	m			
	Excavating to expose existing building; allow for running power up building over roof of existing school and breaking into existing building through roof including weathering opening as necessary; allow for all builders works, forming openings, protecting new supply as necessary; protect existing roof; allow for all attendances and builders works associated with connecting into existing building and connecting to main board in existing building; making good on completion of all works disturbed, reinstating all works to match existing on completion; all in accordance with Engineers drawings and specifications					
	Connecting into existing ; ESB					
D	1000 - 1500mm below existing ground level	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (60) SITE SERVICES (MAINLY ELECTRICAL) (Cont'd)					
	ELECTRICAL (SITE LIGHTING)					
	POWER SUPPLY:					
	ELECTRICAL INSTALLATIONS					
	SUNDRIES AND BUILDERS WORK					
	Site Lighting and Power ducting, "Wavin" or equivalent, uPVC ducts to Site Lighting and Power provider Networks specifications, laying and jointing with socket joints with rubber rings in running lengths; laying draw wires; all in accordance with the manufacturer's instructions; all in accordance with drawings and specifications					
	Cable ducts					
A	50mm diameter	5	m			
B	125mm diameter	815	m			
C	160mm diameter	230	m			
D	nominal diameter 50mm; short lengths not exceeding 3.00m; vertical; popups	4	m			
E	nominal diameter 125mm; short lengths not exceeding 3.00m; vertical; popups	4	m			
F	nominal diameter 160mm; short lengths not exceeding 3.00m; vertical; popups	7	m			
	Extra over ducts on which they occur					
	Adjustable bends; UPVC or equivalent duct bends to ESB Networks specification; laying, jointing and fixing in accordance with the manufacturers instructions					
	Fitting					
G	125mm diameter	6	nr			
H	160mm diameter	6	nr			
	Extra over ducts on which they occur					
I	capping site lighting ducts at each phase	10	nr			

	Description	Qty	Unit	Rate	€	c
	EL (60) SITE SERVICES (MAINLY ELECTRICAL) (Cont'd)					
	Electrical drawpit chamber for site lighting anf power ; excavation; earthwork support; disposal of excavated material; backfilling with clause 804 hardcore granular fill compacted in 150mm thick layers; 75mm thick grade 15N20 insitu concrete blinding to base; 75mm thick grade 30N20 insitu concrete base slab with 1nr layer of A142 steel fabric reinforcement; formwork and trowelling as necessary; 215mm thick solid concrete blockwork walls; forming holes for ducts as necessary; make up levels with class B engineering brickwork in cement mortar 1:3; class D400 heavy duty iron cover and frame, bedded and haunched in cement mortar; all in accordance with Services Engineer's specification					
	Manhole (Ref AC-P1)					
A	600 mm x 800mm x 800mm deep	5	nr			
	Electrical drawpit chamber for site lighting anf power ; excavation; earthwork support; disposal of excavated material; backfilling with clause 804 hardcore granular fill compacted in 150mm thick layers; 75mm thick grade 15N20 insitu concrete blinding to base; 75mm thick grade 30N20 insitu concrete base slab with 1nr layer of A142 steel fabric reinforcement; formwork and trowelling as necessary; 215mm thick solid concrete blockwork walls; forming holes for ducts as necessary; make up levels with class B engineering brickwork in cement mortar 1:3; class D400 heavy duty iron cover and frame, bedded and haunched in cement mortar; all in accordance with Services Engineer's specification					
	Manhole (Ref AC-P2)					
B	600 mm x 800mm x 800mm deep	2	nr			

	Description	Qty	Unit	Rate	€	c
	EL (60) SITE SERVICES (MAINLY ELECTRICAL) (Cont'd)					
	Access chamber for site lighting and power ; C/W lockable cover to EN -124 with galvanised steel support frame all in accordance with Services Engineer's specification and drawings					
	Manhole (Ref. AC-P)					
A	350 x 350mm	34	nr			
	Access chamber for subsequent service extensions between phases ; C/W lockable cover to EN -124 with galvanised steel support frame all in accordance with Services Engineer's specification and drawings					
	Access Chamber					
B	450 x 450mm	38	nr			
	Piltown Engineering or equal approved ESB public lighting micro pillar complete; 3mm thick galvanised steel enclosure and tri-head tamper proof lock fitted to door; rubber gasket door seal; removable fixing backboard comprising 12mm thick marine plywood treated with low flame spread wood preservative; powder coated finish in RAL6005 colour to exterior surfaces; bitumen coating applied to below ground root base; all in accordance with Services Engineer's specification					
	Bases; micropillars					
C	Mini pillars	1	nr			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (60) SITE SERVICES (MAINLY ELECTRICAL) (Cont'd)					
	Lighting column foundation; excavation; earthwork support; disposal of excavated material; backfilling with clause 804 hardcore granular fill compacted in 150mm thick layers; 50mm thick layer of grade C8/10 insitu concrete blinding under base; grade Gen 3 insitu concrete base; 2nr horizontal layers of A252 steel mesh fabric reinforcement; formwork as necessary; forming full depth vertical sleeve in centre of concrete base for installation of lighting column; all in accordance with Services Engineer's specifications and drawings					
	Bases; lighting column foundations					
A	1000x1000x1000mm	24	nr			
	Lighting mounting pole supplied by Electrical Subcontractor; octagonal galvanised steel hinged colum pole; 6m high; insert base of pole down into 150mm diameter vertical sleeve formed in concrete foundation; fill gap between column and concrete sleeve with compacted sand; all in accordance with Services Engineer's specification					
	Installation only of lighting poles					
B	6000mm	24	nr			
	Excavating to expose existing building; allow for running power up building over roof of existing school and breaking into existing building through roof including weathering opening as necessary; allow for all builders works, forming openings, protecting new supply as necessary; protect existing roof; allow for all attendances and builders works associated with connecting into existing building and connecting to main board in existing building; making good on completion of all works disturbed, reinstating all works to match existing on completion; all in accordance with Engineers drawings and specifications					
	Connecting into existing ; Site lighting					
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (60) SITE SERVICES (MAINLY ELECTRICAL) (Cont'd)					
A	1000 - 1500mm below existing ground level	1	nr			
	Testing & Commissioning to be completed as specified in the Electrical Services Engineers Specification and as required by ESB Network guidelines					
B	testing completed installation throughout construction and on completion; as specified		Item			
	TELECOMS NETWORK [SITE COMMS & CCTV]					
	Excavate trenches; backfilling with hardcore filling Clause 804, laying and compacting in accordance with the " Specification for Road Works " produced by the Department of the Environment ; laying warning foil marker tape (yellow & red) ; all in accordance with Drawings and Specification ; cart away excavated mateial					
	Service trenches					
C	average depth 500 - 1000mm ; pipe not exceeding 225mm nominal diameter	758	m			
D	average depth 500mm - 1000mm ; pipe not exceeding 225mm nominal diameter [trench for 2 nr pipes]	131	m			
	Disposal					
E	ground water		Item			
F	surface water		Item			
	Duct surround material comprising unwashed sand to BS882; obtained off site; well compacted around ducts; all in accordance with drawings and specifications					
	Beds & surrounds					
G	260 x 260mm thick ; 2nr 50mm nominal diameter duct	20	m			

	Description	Qty	Unit	Rate	€	c
	EL (60) SITE SERVICES (MAINLY ELECTRICAL) (Cont'd)					
A	260 x 260mm thick ; 100mm nominal diameter duct	758	m			
B	400 x 260mm thick ; 2 nr 100mm nominal diameter ducts alongside	111	m			
	Telecom ducting, "Wavin" or equivalent, uPVC ducts to Telecom provider Networks specifications, laying and jointing with socket joints with rubber rings in running lengths; laying draw wires; all in accordance with the manufacturer's instructions; all in accordance with drawings and specifications					
	Cable ducts					
C	50mm diameter	20	m			
D	100mm diameter	980	m			
E	nominal diameter 100mm; short lengths not exceeding 3.00m; vertical; popups	12	m			
	Extra over ducts on which they occur					
	Adjustable bends; UPVC or equivalent duct bends to ESB Networks specification; laying, jointing and fixing in accordance with the manufacturers instructions					
	Fitting					
F	100mm : bends long radius type	12	nr			
	Extra over ducts on which they occur					
G	capping telecoms ducts at each phase	8	nr			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (60) SITE SERVICES (MAINLY ELECTRICAL) (Cont'd)					
	Electrical drawpit chamber for site comms and CCTV ; excavation; earthwork support; disposal of excavated material; backfilling with clause 804 hardcore granular fill compacted in 150mm thick layers; 75mm thick grade 15N20 insitu concrete blinding to base; 75mm thick grade 30N20 insitu concrete base slab with 1nr layer of A142 steel fabric reinforcement; formwork and trowelling as necessary; 215mm thick solid concrete blockwork walls; forming holes for ducts as necessary; make up levels with class B engineering brickwork in cement mortar 1:3; class D400 heavy duty iron cover and frame, bedded and haunched in cement mortar; all in accordance with Services Engineer's specification and drawings					
	Manhole (Ref AC-C2)					
A	600 mm x 600mm x 800mm deep	7	nr			
	Access chamber for site comms and CCTV ; C/W lockable cover to EN -124 with galvanised steel support frame all in accordance with Services Engineer's specification and drawings					
	Manhole (Ref. AC-C)					
B	350 x 350mm	19	nr			
	Manhole (Ref. TC-N)					
C	1200 mm x 600mm deep	4	nr			

	Description	Qty	Unit	Rate	€	c
	EL (60) SITE SERVICES (MAINLY ELECTRICAL) (Cont'd)					
	CCTV camera column foundation; excavation; earthwork support; disposal of excavated material; backfilling with clause 804 hardcore granular fill compacted in 150mm thick layers; 50mm thick layer of grade C8/10 insitu concrete blinding under base; grade Gen 3 insitu concrete base; 2nr horizontal layers of A252 steel mesh fabric reinforcement; formwork as necessary; forming full depth vertical sleeve in centre of concrete base for installation of lighting column; all in accordance with Services Engineer's specifications and drawings					
	Bases; lighting column foundations					
A	1000x1000x1000mm	26	nr			
	CCTV camera mounting pole; octagonal galvanised steel hinged colum pole; 6m high; insert base of pole down into 150mm diameter vertical sleeve formed in concrete foundation; fill gap between column and concrete sleeve with compacted sand; all in accordance with Services Engineer's specification					
	Fittings					
B	CCTV cameras	26	nr			
	Excavating to expose existing building; allow for running power up building over roof of existing school and breaking into existing building through roof including weathering opening as necessary; allow for all builders works, forming openings, protecting new supply as necessary; protect existing roof; allow for all attendances and builders works associated with connecting into existing building and connecting to main board in existing building; making good on completion of all works disturbed, reinstating all works to match existing on completion; all in accordance with Engineers drawings and specifications					
	Connecting into existing ; TELECOM					
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (60) SITE SERVICES (MAINLY ELECTRICAL) (Cont'd)					
A	1000 - 1500mm below existing ground level	1	nr			
	Testing & Commissioning to be completed as specified in the Electrical Services Engineers Specification and as required by ESB Network guidelines					
B	testing completed installation throughout construction and on completion; as specified		Item			
	SITE ALARMS					
	SUNDRIES AND BUILDERS WORK					
	Excavate trenches; backfilling with hardcore filling Clause 804, laying and compacting in accordance with the " Specification for Road Works " produced by the Department of the Environment ; laying warning foil marker tape (yellow & red) ; all in accordance with Drawings and Specification ; cart away excavated mateial					
	Service trenches; cable ducts not exceeding 250mm nominal diameter; excavation starting at reduced level; backfilling with special material as described, up to reduced level; marking tape as described					
C	average depth 500 - 1000m ; pipe not exceeding 225mm nominal diameter	30	m			
	Extra over trenches					
	Disposal					
D	ground water		Item			
E	surface water		Item			

	Description	Qty	Unit	Rate	€	c
	EL (60) SITE SERVICES (MAINLY ELECTRICAL) (Cont'd)					
	Duct surround material comprising unwashed sand to BS882; obtained off site; well compacted around ducts; all in accordance with drawings and specifications					
	Beds & surrounds					
A	260 x 260mm thick ; 100mm nominal diameter duct	30	m			
	Fire alarm ducting, "Wavin" or equivalent, uPVC ducts to specifications, laying and jointing with socket joints with rubber rings in running lengths; laying draw wires; all in accordance with the manufacturer's instructions; all in accordance with drawings and specifications					
	Cable ducts					
B	100mm diameter	30	m			
	Extra over ducts on which they occur					
	Adjustable bends; UPVC or equivalent duct bends to ESB Networks specification; laying, jointing and fixing in accordance with the manufacturers instructions					
	Fitting					
C	110mm diameter	2	nr			
	Extra over ducts on which they occur					
D	capping site alarms ducts at each phase	4	nr			
	Access chamber for fire alarms ; C/W lockable cover to EN -124 with galvanised steel support frame all in accordance with Services Engineer's specification and drawings					
	Manhole (Ref. AC-F)					
E	350 x 350mm	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (60) SITE SERVICES (MAINLY ELECTRICAL) (Cont'd)					
	Excavating to expose existing building; allow for running power up building over roof of existing school and breaking into existing building through roof including weathering opening as necessary; allow for all builders works, forming openings, protecting new supply as necessary; protect existing roof; allow for all attendances and builders works associated with connecting into existing building and connecting to main board in existing building; making good on completion of all works disturbed, reinstating all works to match existing on completion; all in accordance with Engineers drawings and specifications					
	Connecting into existing ; Alarms					
A	1000 - 1500mm below existing ground level	1	nr			
	ELECTRIC VEHICLE CHARGING STATION					
	ELECTRICAL INSTALLATIONS					
	SUNDRIES AND BUILDERS WORK					
	Excavate trenches; backfilling with hardcore filling Clause 804, laying and compacting in accordance with the " Specification for Road Works " produced by the Department of the Environment ; laying warning foil marker tape (yellow & red) ; all in accordance with Drawings and Specification ; cart away excavated mateial					
	Service trenches; cable ducts not exceeding 250mm nominal diameter; excavation starting at reduced level; backfilling with special material as described, up to reduced level; marking tape as described					
B	average depth 500 - 1000mm ; pipe not exceeding 225mm nominal diameter	73	m			

	Description	Qty	Unit	Rate	€	c
	EL (60) SITE SERVICES (MAINLY ELECTRICAL) (Cont'd)					
	Extra over trenches					
	Disposal					
A	ground water		Item			
B	surface water		Item			
	Duct surround material comprising unwashed sand to BS882; obtained off site; well compacted around ducts; all in accordance with drawings and specifications					
	Beds & surrounds					
C	260 x 260mm thick ; 50mm nominal diameter duct	48	m			
D	260 x 260mm thick ; 25mm nominal diameter duct	25	m			
	'Red' ESB ducting, "Wavin" or equivalent, uPVC ducts to ESB Networks specifications, laying and jointing with socket joints with rubber rings in running lengths; laying draw wires; all in accordance with the manufacturer's instructions; all in accordance with drawings and specifications					
	Cable ducts					
E	50mm diameter	48	m			
	PVC coated flexible steel conduit or equivalent, laying and jointing with socket joints with rubber rings in running lengths; laying draw wires; all in accordance with the manufacturer's instructions; all in accordance with drawings and specifications					
	Cable ducts					
F	25mm diameter	25	m			

	Description	Qty	Unit	Rate	€	c
	EL (60) SITE SERVICES (MAINLY ELECTRICAL) (Cont'd)					
	New ESBN minipillar complete with VC2 precast chamber, mini pillar to be installed level, mark flush with ground level and front face of minipillar flsuh with inside line of footpath, minipillar must be earthed to ESBN requirement; all in accordance with Services Engineer's drawings specification					
	Fittings					
A	ESB mini pillar, base & chamber	1	nr			
	ELECTRIC VEHICLE CHARGING STATION - ref EVC-N					
	Dual outlet Electric Vehicle charging station					
B	7kW (32A) single phase per outlet internally configured to deliver at 3.6kW ; it shall be of robust design and vandal resistant and be suitable for use in an unsupervised environment ; it shall be installed & wired in accordance with I.S. 10101: 20 20 ; allow for a 50 diam. stainless steel protective barrier set in concrete in front of EVC station - to Architect's detail ; allow for a 50mm red pvc duct from mini pillar chamber (MP-N1) to EVC station ; alow for a 25mm PVC coated flexible steel conduit from comms chamber to EVC station	1	nr			
	New ESBN minipillar complete with VC2 precast chamber, mini pillar to be installed level, mark flush with ground level and front face of minipillar flsuh with inside line of footpath, minipillar must be earthed to ESBN requirement; all in accordance with Services Engineer's drawings specification					
	Fittings					
C	ESB mini pillar, base & chamber	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (60) SITE SERVICES (MAINLY ELECTRICAL) (Cont'd)					
	FUTURE ELECTRIC VEHICLE CHARGNG STATION					
	Electric vehicle charging station (FUTURE)					
A	allow for ducting only ; ducts and conduits shall be C/W polypropylene draw ropes and suitably sealed ; allow for a 50 mm red PVC duct frm mini pillar chamber [MP-N1] to future EVC station location ; allow for a 25mm PVC coated flexible steel conduit between EVC-N1 and EVC-F1 for comms. Ducts and conduit shall be C/W polypropylene draw ropes and suitably saled	5	nr			
	New ESBN minipillar complete with VC2 precast chamber, mini pillar to be installed level, mark flush with ground level and front face of minipillar flsuh with inside line of footpath, minipillar must be earthed to ESBN requirement; all in accordance with Services Engineer's drawings specification					
	Fittings					
B	ESB mini pillar, base & chamber	5	nr			
	Testing & Commissioning to be completed as specified in the Electrical Services Engineers Specification and as required by ESB Network guidelines					
C	testing completed installation throughout construction and on completion; as specified		Item			

	Description	Qty	Unit	Rate	€	c
	EL (60) SITE SERVICES (MAINLY ELECTRICAL) (Cont'd)					
	WORKS TO TEMPORARY BUIDLING					
	SITE SERVICES (GENERALLY)					
	SUNDRIES AND BUILDERS WORK					
	Excavate trenches; backfilling with hardcore filling Clause 804, laying and compacting in accordance with the " Specification for Road Works " produced by the Department of the Environment ; laying warning foil marker tape (yellow & red) ; all in accordance with Drawings and Specification ; cart away excavated mateial					
	Service trenches; cable ducts not exceeding 250mm nominal diameter; excavation starting at reduced level; backfilling with special material as described, up to reduced level; marking tape as described					
A	average depth 500 - 1000mm ; pipe not exceeding 225mm nominal diameter (trench for 3 nr pipes)	27	m			
	Extra over trenches					
	Breaking up hard surfaces					
B	grubbing up & reinstating existing tarmacadam surfacing all in accordance with Architect's drawings and specifications	27	m			
	Disposal					
C	ground water		item			
	Duct surround material comprising unwashed sand to BS882; obtained off site; well compacted around ducts; all in accordance with drawings and specifications					
	Beds & surrounds					
D	900 x 260mm thick ; 3nr 125mm nominal diameter ducts alongside	27	m			

	Description	Qty	Unit	Rate	€	c
	EL (60) SITE SERVICES (MAINLY ELECTRICAL) (Cont'd)					
	SITE LIGHTING & POWER					
	POWER SUPPLY:					
	ELECTRICAL INSTALLATIONS					
	SUNDRIES AND BUILDERS WORK					
	Site Lighting and Power ducting, "Wavin" or equivalent, uPVC ducts to Site Lighting and Power provider Networks specifications, laying and jointing with socket joints with rubber rings in running lengths; laying draw wires; all in accordance with the manufacturer's instructions; all in accordance with drawings and specifications					
	Cable ducts					
A	125mm diameter	27	m			
	SITE COMMS / CCTV					
	Telecom ducting, "Wavin" or equivalent, uPVC ducts to Telecom provider Networks specifications, laying and jointing with socket joints with rubber rings in running lengths; laying draw wires; all in accordance with the manufacturer's instructions; all in accordance with drawings and specifications					
	Cable ducts					
B	100mm diameter	27	m			
	Testing & Commissioning to be completed as specified in the Electrical Services Engineers Specification and as required by ESB Network guidelines					
C	testing completed installation throughout construction and on completion; as specified		Item			

To Collection €

	Description	Qty	Unit	Rate	€	c
	EL (60) SITE SERVICES (MAINLY ELECTRICAL) (Cont'd)					
	SITE FIRE ALARM					
	Fire alarm ducting, "Wavin" or equivalent, uPVC ducts to specifications, laying and jointing with socket joints with rubber rings in running lengths; laying draw wires; all in accordance with the manufacturer's instructions; all in accordance with drawings and specifications					
	Cable ducts					
A	100mm diameter	27	m			
	Testing & Commissioning to be completed as specified in the Electrical Services Engineers Specification and as required by ESB Network guidelines					
B	testing completed installation throughout construction and on completion; as specified		Item			
				To Collection €		

Description	Qty	Unit	Rate	€	c
EL (60) SITE SERVICES (MAINLY ELECTRICAL) (Cont'd)					
COLLECTION					
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Page No. BQ/710					
Page No. BQ/711					
Page No. BQ/712					
Page No. BQ/713					

Description	Qty	Unit	Rate	€	c
EL (60) SITE SERVICES (MAINLY ELECTRICAL) (Cont'd)					
COLLECTION					
Page No. BQ/714					
EL (60) SITE SERVICES (MAINLY ELECTRICAL) Carried to Summary					

	Description	Qty	Unit	Rate	€	c
	EL (70) SITE FITTINGS					
	INFORMATION					
	1. The Contractor is advised that the Architect's, Structural and Services Engineer's Drawings and Specifications (Works Requirements) are all complimentary to each other and should be read in conjuntion with one another		Note			
	2. The Contractor shall refer to the Drawings and Specifications included in the Works Requirements, Volume A					
	3. All works outside the boundary of the site are measured separately towards the end of this Element and identified as "works outside site boundary"					
	4. The Contractor shall provide all necessary watching, lighting and protection in connection with works outside the boundary of the site, including barricading, steel plates and the like. The Contractor shall maintain the free flow of motor/cycle/pedestrian traffic and provide temporary traffic control as necessary					
A						
	IROKO BENCHES					
	EXCAVATION AND EARTHWORK					
	EXCAVATION					
	Excavating isolated pits					
B	not exceeding 2m deep [16 nr]	1	m3			
	Disposal; excavated material; off site in accordance with current regulations					
C	removing from site	1	m3			
	SUNDRIES					
	Disposal of water					
D	surface water		Item			
E	ground water		Item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (70) SITE FITTINGS (Cont'd)					
	WOODWORK					
	COMPOSITE ITEM					
	Composite Item					
	Iroko timber boards bench tops, 22x180x3000mm long boards set vertically ; 8 nr M12 x 540mm long stainless steel threaded bars each with 15mm stainless steel spacers between each timber board ; recessed locknuts and washers to both ends ; 4 nr 50mm diameter galvanised steel legs with polyester powder coated finish to selected colour; legs 450mm high [set 150mm below paving] ; top of leg welded to steel spacer; bottom of leg fitted with galvanised steel plate & bolted to concrete base with & include for 4 nr expanding bolts set into concrete base [base elsewhere measured] ; refert to Architects drawings number 4003 for further details and requirement; all inaccordance with Architects specifications and drawings					
A	bench all as last with 16 nr M12 x 540mm long stainless steel threaded bars & 8 nr 50mm diameter galvanised steel legs ; bench size 6000mm [made up of 2 nr 3000mm lengths] x 540mm overall on plan	4	nr			
B	bench all as last with 16 nr M12 x 540mm long stainless steel threaded bars & 8 nr 50mm diameter galvanised steel legs ; bench size 3000mm x 540mm overall on plan with one 90 degree return bench 3000mm x 540mm overall on plan	8	nr			

	Description	Qty	Unit	Rate	€	c
	EL (70) SITE FITTINGS (Cont'd)					
	FITTINGS					
	SITE FITTINGS, EQUIPMENT AND FURNITURE (GENERALLY)					
	EXCAVATION AND EARTHWORK					
	EXCAVATION					
	Excavating isolated pits for flag pole					
A	not exceeding 2m deep (3nr)	1	m3			
	Disposal					
B	surface water		item			
C	excavated material; off site	1	m3			
	CONCRETE WORK					
	IN-SITU CONCRETE					
	Insitu concrete; grade C28/35; maximum aggregate size 20mm tobase of flagpole vibrator compacted; waterproof ad mixture to be added to concrete to specialist design to achieve waterproofing to Grade3; all in accordance with Engineers drawings and specifications					
	Isolated pits for flag poles					
D	not exceeding 150 thick	1	m3			

To Collection €

	Description	Qty	Unit	Rate	€	c
	EL (70) SITE FITTINGS (Cont'd)					
	METALWORK					
	NON-STRUCTURAL					
	Cycle stands; Manufacturer: Omos, Product reference: s71 or equivalent cycle stand; Height 1096mm, width 875mm, outside diameter 48mm, wall thickness 2.77mm; Material: Stainless steel; Finish: As manufactured; Method of fixing: Base plate bolted to 400 x 400 x 400 mm concrete base 100 mm below paving surface, C25/30 insitu concrete pad foundation, on 50mm thick concrete blinding; include all excavation; disposal; reinforcement; formwork; all installations in accordance with manufacturers recommendations					
	Cycle stands; baseplate fixed type; custom size					
A	width 950mm; height above ground 875mm	6	nr			
	OK aluminium ground sleeve having pre-drilled holes to allow fo rapid water run-off ; ground sleeve to be equipped with a centring wedge at the bottom ; sleeve to be entirely cast in concrete with the cap just at the surface ; pole to be extended 750mm into the ground; the sleeve assemble from aluminium tubes extruded from primary aluminium with two synthetic wedges attached ; at the top there is to be a synthetic centring wedge yhat can be adjusted to match the diameters of the pole ; ground sleeve kit to include a capping piece to close off the opening if and when the pole is removed ; all materials are to be non - corroding; all in accordance with Engineers drawings and specifications					
B	setting into concrete base [base elsewhere measured]	3	nr			

	Description	Qty	Unit	Rate	€	c
	EL (70) SITE FITTINGS (Cont'd)					
	New stainless steel flagpole as per Architects drawings and specifications					
A	7.50 m high concal anti-vandal aluminium Internal Halyard flagpole; 114/60mm c/w sleeve; fited with counterweight ; Internal Halyard with door & key ; include for finial ; allow for painting complete	2	nr			
B	9.00 m high concal anti-vandal aluminium Internal Halyard flagpole; 114/60mm c/w sleeve; fited with counterweight ; Internal Halyard with door & key ; include for finial ; allow for painting complete	1	nr			
	Galvanised steel in 900mm long socket [with plated end] to receive 90mm diameter Volleyball Post [elsewhere measured] - Detail 4 Drwg. 4001 - S1 - P01					
	Ballcourt fittings					
C	include excavation/ disposal / 450 x 450 x 900mm deep concrete base ; setting 900mm long socket into concrete base	2	nr			
	Galvanised steel in 900mm long socket [with plated end] to receive 90mm diameter Basketball Post [elsewhere measured] - Detail 4 Drwg. 4001 - S1 - P01					
D	include excavation/ disposal / 450 x 450 x 900mm deep concrete base ; setting 900mm long socket into concrete base	2	nr			

	Description	Qty	Unit	Rate	€	c
	EL (70) SITE FITTINGS (Cont'd)					
	Galvanised [after fabrication] steel in Basketball Post all as Details 2 - 5 incl. Drwg. 4001-S1-P01 Oppermann					
A	comprising 4m long 90mm 0.D.galvanised tube 4mm wall thickness & capped with plug ; 180mm long clamp to take 90mm tube with 6 nr clamp-screws to allow adjustable height from zero to 3m ; 1300mm long extension arm made from 90mm tube 4mm thick walls ; Backboard size 1200 x 900mm high overall in 19mm marine plywood with H.W. trim , sealed with approved preservative applied as per manufacturer's instructions followed by 2 no coats of approved undercoat and 2 no coats of approved exterior quality gloss paint, board marked in accordance with B.S. 1892 PT.2 section 27 1974 ; 50 x 50 mm galvanised R.H.S.suporting structure as shown on drwg. ; galvanised steel in basketball support and ring , volleyball net supports 12 nr net hooks fixed to underside of ring ; all as HOOP DETAIL 3	2	nr			
	Litter Bins; Manufacturer: Contractors choice; Product reference: Contractors choice; Material: Stainless steel; Finish: As manufactured; Colour: None; Accessories/ Special requirements: Hinged, locking side door and Stainless steel liner; Method of fixing: Base plate bolted to 400 x 400 x 400 mm C25/30 insitu concrete pad foundation, on 50mm thick concrete blinding; include all excavation; disposal; reinforcement; formwork; concrete base 100 mm below paving surface; all installations in accordance with manufacturers recommendations					
	Litter bins					
B	capacity 1000 litres	3	nr			

	Description	Qty	Unit	Rate	€	c
	EL (70) SITE FITTINGS (Cont'd)					
	SITE FITTINGS (SIGNAGE)					
A	Contractor to allow for signage company design Imput and full set of shop drawings and samples for approval by Architect. Signage to be designed fit for purpose with 10 year warranty		Note			
B	Signs to be heavy duty with suitable coating to prevent colour deterioration		Note			
C	Signs finished in Satin paint to prevent glare		Note			
D	Signage package to be designed and installed by a one stop specialist design, supply and instal signage company. Signage company to be responisble for developing the design with the Architect in line with 'Building for Everyone' and the TGD Part M, the overall design concept of the building and the end user/ client requirements		Note			
E	All signage to comply with official languages act 2003. Signs in Irish and English as detailed		Note			

	Description	Qty	Unit	Rate	€	c
	EL (70) SITE FITTINGS (Cont'd)					
	External way finding sign; coated 3mm thick aluminium sign plate fixed to post; fixings and brackets as necessary - robust and vandal proof; SHS 50x4mm PPC aluminium post with plastic capping; PPC finish in selected colour - RAL 9006; 1200 x 170mm sign plate in RAL 9006 satin finish PPC aluminium, with RAL 7043 Etch lettering, font: Swis 721 Lt Bt; RAL 900 Etch image directional arrows where detailed; 160x160x10mm baseplate; 4nr Hilti HSA stud anchors; L600xW600xD750mm grade C28/35 insitu concrete foundation, on 50mm thick concrete blinding; top of foundation to be 300mm below ground level; excavation; disposal; formwork; all signage in accordance with Architect's drawings and specifications; see drawings for text and wording; signage foundations in accordance with Engineer's drawings and specifications; refer to Architects drawing 20027-OOP-01-ZZ-DR-A-41111 for further details					
	Signage; sign plates with double posts					
A	1300 x 1200mm above ground; Sign A1	1	nr			
B	1300 x 1200mm above ground; Sign A2	1	nr			
	Traffic regulatory sign plate in compliance with NRA Specifications; traffic signage in accordance with Chapter 5.2 of the Department of Transport Traffic Signs Manual; fixings and brackets as necessary; CHS 75mm diameter galvanised steel support post; 160x160x10mm baseplate; 4nr Hilti HSA stud anchors; L1000xW1000xD750mm grade C28/35 insitu concrete foundation, on 50mm thick concrete blinding; excavation; disposal; formwork; all in accordance with Engineer's drawings and specifications					
	Signage; sign plates with single posts					
C	stop sign RUS027	1	nr			
D	yield sign RUS026	1	nr			

	Description	Qty	Unit	Rate	€	c
	EL (70) SITE FITTINGS (Cont'd)					
	Coated 3mm thick aluminium sign plate fixed to post; fixings and brackets as necessary; SHS 60x4mm galvanised steel support post with capping; PPC finish in selected colour; 160x160x10mm baseplate; 4nr Hilti HSA stud anchors; L600xW600xD750mm grade C28/35 insitu concrete foundation, on 50mm thick concrete blinding; top of foundation to be 300mm below ground level; excavation; disposal; formwork; all signage in accordance with Architect's drawings and specifications; signage foundations in accordance with Engineer's drawings and specifications					
	Signage; sign plates with single posts					
A	disabled parking circular sign; diameter 600mm; height above ground 2200mm	1	nr			
				To Collection €		

Description	Qty	Unit	Rate	€	c
EL (70) SITE FITTINGS (Cont'd)					
COLLECTION					
Page No. BQ/717					
Page No. BQ/718					
Page No. BQ/719					
Page No. BQ/720					
Page No. BQ/721					
Page No. BQ/722					
Page No. BQ/723					
Page No. BQ/724					
Page No. BQ/725					
EL (70) SITE FITTINGS **Carried to Summary**					

	Description	Qty	Unit	Rate	€	c
	EL (80) LANDSCAPING					
	INFORMATION					
	1. The Contractor is advised that the Architect's, Structural and Services Engineer's Drawings and Specifications (Works Requirements) are all complimentary to each other and should be read in conjunction with one another.		Note			
	2. Excavation to reduce levels is measured in Element (10) Prepared Site.		Note			
A	3. The Contractor shall provide all necessary watching, lighting and protection in connection with works outside the boundary of the site, including barricading, steel plates and the like. The Contractor shall maintain the free flow of motor/cycle/pedestrian traffic and provide temporary traffic control as necessary		item			
	SURFACE PAVING, FENCING AND LANDSCAPING					
	GRASSING AND PLANTING					
	Topsoil suitable for planting to BS3882; preserved topsoil obtained from temporary stockpiles on site; spread in layers not exceeding 150mm thick; gently firm each layer; spread coarser material first; top layer to comprise only premium grade topsoil;					
	Topsoil; preserved					
B	400mm deep	4,246	m2			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	EL (80) LANDSCAPING (Cont'd)					
	Subsoil shall be cultivated to a fine tilth to achieve an even seed bed. The Contractor shall cultivate the site to break up the full depth of soil by two passes in transverse directions of suitable machinery and a tilth up to 25 mm suitable for seeding shall be produced in the topsoil by rotovating and/or chain harrowing. Remove weeds and roots, metal items and rubbish. The bed shall be fine, smooth, evenly firmed but not over consolidated. Add 50% sub soil to the seed bed surface and lightly cultivate.					
	Cultivating					
A	225mm	4,246	m2			
	Weedkiller spray applied in accordance with manufacturer's instructions					
	Surface applications; weeding of topsoil					
B	generally	4,246	m2			
	Slow release fertiliser; apply 100g/m2; to Architect's Specification					
	Surface applications; fertiliser					
C	generally	4,246	m2			
	Sown @ 30 grams/ m2 with a supplier combined mix of Festuca ovina, Hard Fescue 20% ; Poa pratensis , Smooth Stalked Meadow Grass 10% ; Festuca Rubra , Strong Creeping Red Fescue 30% ; Festuca Rubra subsp, Commutata Chewing's Fescue 20% ; Agrostis alillaris , Browntop Bent 15% ; Trifolium repena , White Clover 5%					
	Seeding					
D	Grass areas	2,618	m2			

	Description	Qty	Unit	Rate	€	c
	EL (80) LANDSCAPING (Cont'd)					
	Ornamental grass planting mix - Miscanthus sinensis Morning Light " , Chinese Silver Grass , Cg 2L (2m2) 25% / Carex " Silver Sceptre ", Japenese Silver Sedge , Cg 2L (2m2) 35% / Phormium " Jester " , New Zealand Flax , Cg 2L (2/m2) 15% ; Pennisetum alopecuriodes " Hamein " , Cg (2/m2} 25%					
	Ornamental grass area					
A	over 300mm ; various locations on site	1,383	m2			
	EC Species rich amenity grassland mix from proprietary supplier Sown @ 2 grams / m2					
	Wildflower planting mix					
B	over 300mm ; strip adjoining Ball Court	185	m2			
C	over 300mm ; in Planter boxes [4 nr]	7	m2			
	Tree planting to BS4043; backfill material as per clauses 585 with long double staking supports with trunks wrapped with lower branches with hessian strips; all in accordance with Landscape Architect's drawings and specifications					
D	Petula Pendula 12 - 14cmg	10	nr			
E	Sensible Oak 16 - 18cmg	5	nr			
F	Tilia Cordata 16 - 18cmg	3	nr			
G	Prunus Avium 16 - 18cmg	2	nr			
H	Fagus Syliatica 12 - 14cmg	3	nr			
	Carry out all required maintenance operations from completion of grassing until end of defects liability period; mantain all seeded areas; weeding by hand and chemical treatment as appropriate; fertilise all areas in spring and autumn; suficiently water all areas during any dry periods; all in accordance with Landscape Architect's Specification					
	Maintenance for Defects Liability Period					

	Description	Qty	Unit	Rate	€	c
	EL (80) LANDSCAPING (Cont'd)					
A	generally		Item			

Description	Qty	Unit	Rate	€	c
EL (80) LANDSCAPING (Cont'd)					
COLLECTION					
Page No. BQ/727					
Page No. BQ/728					
Page No. BQ/729					
Page No. BQ/730					
EL (80) LANDSCAPING **Carried to Summary**					

Description	Qty	Unit	Rate	€	c
SUMMARY	**Page No.**				
EL (06+07) PRELIMINARIES + INSURANCES	BQ/158				
EL (14) DEMOLITIONS AND ALTERATIONS	BQ/165				
EL (15) UNDERPINNING	BQ/169				
EL (19) SUBSTRUCTURE	BQ/199				
EL (21) EXTERNAL WALLS	BQ/228				
EL (22) INTERNAL WALLS	BQ/246				
EL (23) FLOORS, GALLERIES	BQ/253				
EL (24) STAIRS, RAMPS	BQ/257				
EL (27) ROOFS	BQ/266				
EL (28) FRAMES	BQ/277				
EL (31) EXTERNAL WALL COMPLETIONS	BQ/325				
EL (32) INTERNAL WALL COMPLETIONS	BQ/379				
EL (34) STAIRS, RAMPS: COMPLETIONS	BQ/385				
EL (35) SUSPENDED CEILINGS	BQ/400				
EL (37) ROOF: COMPLETIONS	BQ/414				
EL (41) EXTERNAL WALL FINISHES	BQ/421				
EL (42) INTERNAL WALL FINISHES	BQ/432				
EL (43) FLOOR FINISHES	BQ/442				
EL (44) STAIR FINISHES	BQ/446				
EL (47) ROOF FINISHES	BQ/474				
EL (52) DRAINAGE & REFUSE DISPOSAL	BQ/484				
EL (59) MECHANICAL INSTALLATIONS	BQ/490				
EL (66) TRANSPORT	BQ/500				

Description	Qty	Unit	Rate	€	c
SUMMARY	**Page No.**				
EL (69) ELECTRICAL INSTALLATIONS	BQ/506				
EL (59 & 69) BUILDERS WORKS	BQ/526				
EL (74) SANITARY; HYGIENE FITTINGS	BQ/535				
EL (79) GENERAL FITTINGS	BQ/583				
EL (10) PREPARED SITE	BQ/593				
EL (20) SITE STRUCTURES	BQ/604				
EL (20) SITE STRUCTURES (TEMPORARY ACCOMMODATION)	BQ/618				
EL (30) SITE ENCLOSURES	BQ/634				
EL (40) ROADS, PATHS, PAVINGS	BQ/647				
EL (50) SITE SERVICES (PIPED AND DUCTED)	BQ/690				
EL (60) SITE SERVICES (MAINLY ELECTRICAL)	BQ/716				
EL (70) SITE FITTINGS	BQ/726				
EL (80) LANDSCAPING	BQ/731				
TOTAL AMOUNT TO GENERAL SUMMARY					
Note: This Bill of Quantities contains pages numbered BQ/1 - BQ/731.					

GENERAL SUMMARY PAGE

GENERAL SUMMARY

			€	c
A	**Amount from Pricing Documents:** **Pricing Document (Summary Page)**			
B	Subtotal			
C	Project Supervisor Construction Stage			
D	Bond			
	TOTAL SUM (Excluding VAT) FORWARD TO FORM OF TENDER	**€**		

ITEMS SUBJECT TO 23% VAT RATE

TENDERERS TO COMPLETE

BQ Ref:	ITEM	€
	Total:	

Total VAT @ 23% = **€** _____

Appendix A

MECHANICAL PRICING DOCUMENT

	DESCRIPTION	Qty	Unit	RATE	€	c
	MECHANICAL SERVICES					
1	ARM4 Supplement 2 applies to all sections of the mechanical services pricing document		item			
2	Where any brand names have been used in the specification or pricing document the term "or equivalent" shall always been implied even if not explicitly stated in item descriptions		item			
3	Where method of installing/fixing has not been described it shall be left to the discretion of the Contractor		item			
4	Reference to the specification means all relevant sections of Geaney Engineering Consulting Engineers' Specification for the Mechanical Services Installation, Volume A.2.3.2.1.		item			
5	Allow for works to be completed to suit the project phasing as detailed in drawing BW-102		item			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	Site Services Installation					
	Services external to the building as indicated on drawings 0298 BW101 and M1 and detailed in mechanical specification elements 50 and 54.					
1	LPG gas is to be provided to the school via, a 3x1Tonne LPG Gas Compound, in location as noted on Drawing. This contractor is to liaise with Gas Provider regarding the installation of these tanks and allow for associated capital charges with the installation of these tanks.		item			
2	New External PE pipework sitable for liquid petroleum gas to BS EN155-1, EN 1555-2, BS EN 1555-5. from L.P.G. storage tanks to the existing heating centre and the new heating centre in the proposed extension as shown on drgs 0298 BW101, M1, M104, M105, M106 and M107		item			
3	Water Services external to the building and as indicated on drawings 0298 - M111-DR-ME-5060 are measured elsewhere within the several works sections of the BoQ. The water services section of the BoQ commences at the top surface of ground floor slab		item			
	General Items					
4	Liaison with and attendance upon the Liquid Petroleum Gas supplier.		item			
5	Leak test, purge, commission gas pipework installation.		item			
6	Operating & Maintenance Manuals, Record Drawings and Testing and Commissioning Reports as Specification Section 1		item			
7	Coordination, Installation and Record drawings as specification Section 1		item			
8	Maintenance during defects period as specification Section 1		item			
9	Mark up builderswork as specification Section 1		item			
10	Fire-stop all service penetrations; specification element 59.2		item			
11	Sleeve pipework through walls and floors		item			
12	Painting of gas pipework		item			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	Enabling Works to Exisitng Services Installations					
	Enabling works as indicated on drawings 0298 M1 and detailed in mechanical specification elements 50 and 54.					
1	Mechanical contractor shall remove isolate, drain and remove the existing radiators and LPHW pipework in the areas of the existing school be re-configured. The contractor shall allow for completing works outside school hours and maintaining heating in the school during open hours.		item			
2	2no. Existing oil fired boiler/burner units (Die Dietrich GT339 330kW each) - to be converted to LPG fired c/w new Riello RS44/M MZ LPG gas fired modulating burners c/w accessories. Mechanical contractor to re-commission boilers. Allow for new twin walled wall s/s flues off each boiler to replace existing. Diameter of these flues to match existing.		item			
3	Mechanical contractor to install lockable metal cage to cover external gas pipework and valves		item			
4	90 yellow medium density (PE 80) polyethylene gas pipe rises above ground and transitions to 100mm seamless welded steel pipework before entering building. Pipework to be painted canary yellow and labelled		item			
5	Gas meter to be installed on new LPG gas supply. Meter to be connected to the existing BMS system and gas usage logged and monitored.		item			
6	Existing 16,000l oil storage tank and oil feed lines to be decommissioned, strip out and disposed of by the mechanical contractor under licence.		item			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	Gas Installation					
	Gas distribution installation comprising, pipework, valves, outlets, knock off switches, proving systems as indicated on drawings 0298 M105, M106 & M107 and detailed in mechanical specification elements 54.		note			
1	Gas detection and shut-off system; located in existing boilerhouse; control panel, screwed to wall; 2no carbon monoxide detector; 2no LPG Gas detectors; 4no electro-thermal links; 1no remote emergency knock off; BMS interface; fire alarm interlock; 100mm solenoid valve (incoming main) as specification and drg number M106	1	nr			
2	Gas detection and shut-off system; located in new extension boilerhouse; control panel, screwed to wall; 1no carbon monoxide detector; 2no LPG Gas detectors; 4no electro-thermal links; 1no remote emergency knock off; BMS interface; fire alarm interlock; 80mm solenoid valve (incoming main) as specification and drg number M107	1	nr			
3	Central Gas pressure proving system; remote emergency knock-off; 7-day timeswitch; key operated switch unit with indication located in principals office in existing building as specification and drg number M107	1	nr			
4	Gas shut-off panel; located in various classrooms; control panel, screwed to wall; BMS interface; fire alarm interlock; 2no emergency knock-off; key operated switch unit with indication; as specification and drg numbers M105, M106 and M107	4	nr			
5	classroom gas shut-off valve located in various classrooms; 40mm solenoid valve; with gas pressure proving control system	1	nr			
6	ditto 32mm	2	nr			
7	ditto 20mm	1	nr			
8	ditto 15mm	2	nr			
9	ditto 125mm	5	nr			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	Accessories					
1	remote wall mounted emergency knock-off buttons; located in various rooms	7	nr			
2	Valves etc. (associated with Primary Equipment), all as specification		note			
3	100mm gas isolating valve	4	nr			
4	80mm ditto	5	nr			
5	65mm ditto	2	nr			
6	40mm ditto	6	nr			
7	32mm ditto	4	nr			
8	25mm ditto	1	nr			
9	20mm ditto	2	nr			
10	15mm ditto	6	nr			
11	Purge/test valve in pipe tee, 15mm	5	nr			
12	First Stage Regualator	1	nr			
13	Second Stage Regualator	2	nr			
14	Two Way Gas Tap c/w Anti Vandilism Threaded inserts	8	nr			
	Terminal equipment and fittings					
15	terminate gas pipework at appliance for final connection by others; self-sealing bayonet terminal fitting suitable for hose connection;15mm	13	nr			
16	terminate gas pipework at bench mounted outlet; outlet fitting and final connection by others; 15mm BSP taper thread	4	nr			
17	terminate gas pipework at boilers; 65mm BSP taper thread	2	nr			
18	terminate gas pipework at boilers; 32mm BSP taper thread	2	nr			
19	terminate gas pipework at water heater; 20mm BSP taper thread	1	nr			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	Distribution system					
1	gas pipework distribution system; steel pipework as indicated on drawings 0298 M105, M106 & M107 and detailed in mechanical specification elements 54, fully welded in all sizes; including all line valves and ancillaries; including pipe clips and hangers fixed to background.		item			
	General Items					
2	Liaison with and attendance upon the Liquid Petroleum Gas supplier.		item			
3	Leak test, purge, commission gas pipework installation.		item			
4	Operating & Maintenance Manuals, Record Drawings and Testing and Commissioning Reports as Specification Section 1		item			
5	Coordination, Installation and Record drawings as specification Section 1		item			
6	Maintenance during defects period as specification Section 1		item			
7	Mark up builderswork as specification Section 1		item			
8	Fire-stop all service penetrations; specification element 59.2		item			
9	Sleeve pipework through walls and floors		item			
10	Painting of gas pipework		item			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	Heating Installation					
	Heating installation comprising, boilers,hot water generator, expansion tanks, pumps, pipework, valves, manifolds, heat emitters, insulation. Reference drawings 0298 M100, M101, M102, M103, M104 & M107 and detailed in mechanical specification elements 51 and 56.		note			
	Primary Equipment					
1	Convert existing boiler to LPG Gas Boiler; located in existing boilerhouse as drawing 0298 M107; including modulating gas burners c/w accessories	2	nr			
2	LPG Gas Boiler; located in boilerhouse; wall mounted as drawing 0298 M104; including controller, frame, pre-fabricated manifolds for heating and gas pipes, shunt pumps, low loss header, insulation, sensor pockets as described	1	nr			
3	New Monobloc Air to Water Heat Pump; located in MVHR compound on roof above boilerhouse; as drawings 0298 M103 & M104; including integral pumps, valves, insulation, sensor pockets as described. Item HP-01 and HP-02 .	2	nr			
4	New 1200 litre Buffer Vessel; located in boilerhouse; plinth mounted as drawing 0298 M104; factory insulated. Item BV-01.	1	nr			
5	New Monobloc Air to Water Heat Pump, Domestic Hot Water, located in MVHR compound on roof above boilerhouse; as drawings 0298 M103 & M104; including integral pumps, valves, insulation, sensor pockets as described. Item HP-N3 .	1	nr			
6	Domestic hot water storage cylinder, 600 litre c/w LPHW back up coil; located in boilerhouse; mounted on floor; as drawing 0298 M104 and specification including BMS interface, insulation jacket, Correx powered non-sacrificial anode and all other specified mountings and accessories as described. Item HWSC-N	1	nr			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	Ancillaries associated with Primary Equipment					
1	Packaged heating system pressurisation unit; located in boilerhouse; as drawing 0298 M104 and specification, dual pump; microprocessor control; common fault volt-free contacts; high & low pressure alarm interlocks	1	nr			
2	400 litre heating expansion vessel; as drawings and specification	2	nr			
3	50 litre heating expansion vessel; as drawings and specification	1	nr			
4	Heating circulators; located in boilerhouse; bolted to wall on fabricated brackets; as drawing 0298 M104 and specification. Item P-N2	1	nr			
5	Heating circulators; located in boilerhouse; bolted to wall on fabricated brackets; as drawing 0298 M104 and specification. Item P-N3, P-N5 and P-N6	3	nr			
6	Hot Water circulators; located in boilerhouse; bolted to wall on fabricated brackets; as drawing 0298 M104 and specification. Item P-07	1	nr			
7	Chemical Dosing Pot; located in boilerhouse; as drawing 0298 M104 and specification	1	nr			
8	Dirt separator as specification	1	nr			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
1	Air Dirt Seperator c/w Magnetic filter; located in boilerhouse; as drawing 0298 M104 and specification.	1	nr			
2	Vertical Low Loss Header; welded steel; 125mm nominal diameter; PN16 flange each end; blank flange on one end; 2no 80mm branches; 2no125 mm branches; 1no 32mm branch; 1no 25mm branch; 4no 15mm dia threaded sockets for instrumentation; include drain cock; include brackets bolted to wall	1	nr			
	Valves etc within boilerhouse (associated with Primary Equipment), all as specification		note			
3	125mm isolation (stop) valve with BSP taper threads	2	nr			
4	80mm ditto	10	nr			
5	60mm ditto	2	nr			
6	50mm ditto	17	nr			
7	40mm ditto	2	nr			
8	32mm ditto	4	nr			
9	25mm ditto	6	nr			
10	15mm ditto	3	nr			
11	80mm strainer with BSP taper threads	1	nr			
12	60mm ditto	1	nr			
13	50mm ditto	1	nr			
14	25mm ditto	1	nr			
15	80mm non return valve with BSP taper threads	2	nr			
16	25mm ditto	2	nr			
17	80mm dia commissioning set; BSP taper threads	3	nr			
18	60mm ditto	1	nr			
19	50mm ditto	1	nr			
20	40mm ditto	1	nr			
21	60mm dia threaded 3-port motorised valve; including modulating actuator	1	nr			
22	50mm ditto	1	nr			
23	40mm ditto	1	nr			
24	15mm ditto	1	nr			
25	Boiler safety valve, selected to suit boiler heat ouptut rating	2	nr			
20	Automatic air vent	7	nr			
21	Pressure gauge with siphon & cock	12	nr			
22	Temperature gauge with pocket	12	nr			
24	Heating quick-fill kit including isolating valves, backflow protection, hose etc	1	nr			
25	Fit only BMS sensor handed over by controls sub-contractor	9	nr			
26	Heating manifolds, with adjustable flow meters on all circuits	2	nr			
27	Complete flue installation to boilers as specification		item			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
1	Heating centre pipework as drawing 0298 M104 and specification including supports, drain cocks, air vents and the like		item			
2	Heating centre pipework insulation; as specification.		item			
	Terminal Equipment and fittings					
	Radiators; as specification and schedule on drawings 0298 M100 include brackets screwed to wall; include floor mounting feet on vertical pattern rads; include air vent; include blank plug; include taking down and re-erecting twice after initial erection for decoration etc					
3	590h x 830w	1	nr			
4	590h x 1230w	2	nr			
5	590h x 2030w	28	nr			
6	740h x 830w	4	nr			
7	740h x 1030w	3	nr			
8	740h x 1230w	4	nr			
9	740h x 1430w	5	nr			
10	740h x 1630w	2	nr			
11	740h x 1830w	2	nr			
12	740h x 2030w	21	nr			
	Radiant panels; as specification and schedule on drawings 0298 M100; steel construction; **10mm** copper tubes; outputs tested and certified to EN14037; factory applied anti-bacterial paint; include brackets & suspension fittings; include joints between sections; include cover plates between sections; include headers; include insulation; include flexible connectors					
13	600w x 6000l, 1096Watt, RP01- RP06	6	nr			
14	600w x 3000l, 548Watt, RP07- RP08	3	nr			
15	600w x 6000l, 1096Watt, RP10- RP12	3	nr			
16	600w x 3000l, 548Watt, RP13- RP15	3	nr			
18	600w x 6000l, 1096Watt, RP16- RP18	3	nr			
19	600w x 9000l, 1644Watt, RP19	1	nr			
20	600w x 7800l, 1417Watt, RP20	1	nr			
21	600w x 7200l, 1303Watt, RP21-RP25	5	nr			
22	1200w x 9000l, 3288Watt, RP26-RP27	2	nr			
23	1200w x 3000l, 1096Watt, RP28	1	nr			
24	600w x 6000l, 1096Watt, RP29	1	nr			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	Accessories associated with Terminal Equipment and fittings (all as specification)					
1	radiator lockshield valve	72	nr			
2	thermostatic radiator valve	72	nr			
	PICV zone valves (Low Voltage) as specification; include isolating valves, strainer, flushing by-pass, measurement orifice, test points etc. and including on/off actuator					
3	20mm ditto	20	nr			
4	Networkable digital room temperature sensor as specification	36	nr			
	Distribution System					
5	Heating pipework distribution system; as specification including all line valves and ancillaries, expansion loops, supports, guides, anchors, drain cocks, air vents and the like; as drawing 0298 - M101, M102 and M103.		item			
	Insulation					
6	Heating pipework insulation including working over all fittings; including insulation of valves and the like; including finish as specified; seal all joints; thicknesses as specification.		item			
	General Items					
7	Test, flush, commission heating installation as specification		item			
8	Operating & Maintenance Manuals, Record Drawings and Testing and Commissioning Reports as Specification Section 1		item			
9	Coordination, Installation and Record drawings as specification Section 1		item			
10	Maintenance during defects period as specification Section 1		item			
11	Mark up builderswork as specification Section 1		item			
12	Fire-stop all service penetrations; specification element 59.2		item			
13	Sleeve pipework through walls and floors		item			
14	Painting of Pipework		item			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	Water Installation					
	Water installation comprising, storage tank, expansion tanks, pumps, pipework, valves, insulation. Reference drawings 0298 M110, M111 & M112 and detailed in mechanical specification Element 53.					
	Primary Equipment					
1	4000 litre potable cold water storage tank; as specification, format 30; insulated; with lid and drip tray; including all pipe connections, insect screens, internal divisions, mountings and accessories as described; erected on prepared base in tankroom	1	nr			
2	Chemical Dosing Pot; located in boilerhouse; as drawing 0298 M112 and specification	1	nr			
3	Anti Scaling filter; located in boilerhouse; as drawing 0298 M112 and specification	1	nr			
4	Other items of Primary Equipment including hot water generator are measured in heating system section		note			
	Accessories associated with Primary Equipment					
5	Float valve for potable water tank as specification	1	nr			
6	Inlet, outlet and drain valves set for potable water tank as specification	1	item			
7	54mm Mains water meter on incoming main as specification, including pulsed output; including isolation valves	1	nr			
8	Pressure reducing valve on mains; WRAS approved; guage; as specification; 2" with 54mm connections	1	nr			
9	Hot Water expansion vessel; as drawings and specification	1	nr			
10	Hot Water circulators; located in boilerhouse; bolted to wall on fabricated brackets; as drawing 0298 M112 and specification. Item P-N9	1	nr			
11	Boiler House and Tank Room pipework as drawing 0298 M112 and specification including supports, drain cocks, air vents and the like		item			
12	Boiler House and Tank Room pipework insulation; as specification.		item			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	Terminal Equipment and fittings					
1	Make 22mm hard-piped connection to appliance as specification	40	nr			
2	15mm ditto	70	nr			
3	External bib tap as specification	1	nr			
4	Internal drinking fountain as specification	2	nr			
	Accessories associated withTerminal Equipment and fittings					
5	thermostatic mixing valve as specification, TMV3 scheme approved; include isolating valves, single check valves and strainers. 22mm size.	27	nr			
6	Miniature isolating valve at appliance as specification 22mm size	70	nr			
7	15mm ditto	40	nr			
	Distribution System					
8	Mains water pipework distribution system; as specification with joints as specified including all line valves and ancillaries, expansion loops, supports. guides, anchors, drain cocks, air vents and the like as drawings 0298 M110, M111 & M112.		item			
9	Ditto cold water system as specification		item			
10	Ditto hot water system as specification		item			
	Insulation					
11	Insulation to cold, mains, hot pipework as specification ncluding working over all fittings; including insulation of all valves and the like		item			
	General Items					
12	Test, flush, commission water installation as specification.		item			
13	Mains water testing as specification including return visit during defects liability period		item			
14	Operating & Maintenance Manuals, Record Drawings and Testing and Commissioning Reports as Specification Section 1		item			
15	Coordination, Installation and Record drawings as specification Section 1		item			
16	Maintenance during defects period as specification Section 1		item			
17	Mark up builderswork as specification Section 1		item			
18	Fire-stop all service penetrations; specification element 59.2		item			
19	Sleeve pipework through walls and floors		item			
20	Painting of Pipework		item			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	Mechanical Ventilation					
	Ventilation installation comprising, extract fans, ducting, grilles, dampers, valves, insulation. Reference drawings 0298 M108, M109 & M100 and detailed in mechanical specification element 57.		note			
	Primary Equipment					
	Fans as specification and Fan schedule on drawings 0298 - M100 including all accessories and local controls as described; including supports etc, method of fixing at discretion of Contractor					
1	100mm inline mixed flow extract fan, adjustable speed control, run on timer, PIR Control. EF-01, 02, 03, 04, 05, 07, 08, 11.	8	nr			
2	125mm inline mixed flow extract fan, adjustable speed control, run on timer, PIR Control. EF-06, 09.	2	nr			
3	160mm inline mixed flow extract fan, adjustable speed control, run on timer, PIR Control. EF-10	1	nr			
4	Mechnical Heat Recovery Unit, 600m^3/hr @170Pa each side, EU-07 Filter, Rewmote Controller. MVHR-01, 02, 03.	3	nr			
5	Mechnical Heat Recovery Unit, 1000m^3/hr @170Pa each side, EU-07 Filter, Rewmote Controller. MVHR-04, 05, 07, 08, 09, 10, 11, 12, 13.	9	nr			
6	Mechnical Heat Recovery Unit, 150m^3/hr @95Pa each side, EU-07 Filter, Rewmote Controller. MVHR-06	1	nr			
7	'Chimney' type cooker extract canopy c/w integral fan, led lights & grease filters, local, 3-speed control.	11	nr			
8	Polypropylene in-line extract fan suitable for discharge of chemical vapours to be installed with a duty of 0.28m³/s v's 200pa. Fan shall come complete with variable /s v's 200pa. Fan shall come complete with variable speed drive and local 3 speed controller.	1	nr			
9	Fire Damper/Fire Smoke Damper Control Panel (note. fire dampers are included in distriubution system item)	1	nr			
	Terminal equipment and fittings					
10	Heater Battery, 100mm Dia, 0.6 kW Electric Duct Heater, c/w integral control, 230V, VEAB CV Range or equivalent, HB-06	1	nr			
11	Heater Battery, 250mm Dia, 3 kW Electric Duct Heater, c/w integral control, 400V, VEAB CV Range or equivalent, HB-01, 02, 03, 05	4	nr			
12	Heater Battery, 250mm Dia, 4 kW Electric Duct Heater, c/w integral control, 400V, VEAB CV Range or equivalent, HB-04, 07, 08, 09, 10, 11, 12, 13.	8	nr			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
1	Fume cupboard discharge stack comprising 250 polypropylene extract duct to above suitable velocity cowl 2 metres above roof level and flashing kit (suitable for chemical discharge) from fume cupboard. Including welded and galvanised square hollow section fabricated base support and vertical stanchion, including concrete ballast infill, to support fan and brace the discharge stack.	1	nr			
	Extract grilles as specification and drawings.					
2	EG-A	12	nr			
3	EG-B	2	nr			
4	PG-C	2	nr			
	Supply grilles as specification and drawings.					
5	SG	31	nr			
6	SG-D	1	nr			
	Return Air grilles as specification and drawings.					
7	RG-D	1	nr			
8	RG-G	12	nr			
	External louvres as specification drawings.					
9	125 x 125mm wall louvre, galvanised transition piece and fire damper, WL-01, 02, 08, 09, 10, 19, 20, 33	8	nr			
10	200 x 200mm wall louvre, galvanised transition piece and fire damper, WL-04, 05, 23, 30, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45	15	nr			
11	300 x 300mm wall louvre, galvanised transition piece and fire damper, WL-34	1	nr			
12	300 x 300mm aluminium weather louvre c/w insect screen. WL-03.	1	nr			
13	300(W) x 500(D) x 300(H)mm galvanised steel éxhaust air weather louvre plenum, c/w spigot to suit ductowrk connection. WL-06, 07.	2	nr			
14	700(W) x 500(D) x 350(H)mm galvanised steel air intake weather louvre plenum, c/w spigot to suit ductowrk connection. WL-11, 12, 13, 14, 15, 16, 17, 18, 21, 22, 24, 25, 26, 27, 28, 29, 31, 32.	18	nr			
15	Galvanised Steel Roof Cowl, c/w bird guard, as unitex WB250 or equivalent, RV2	6	nr			
16	Sound attenuators as described on drawings	13	nr			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	Distribution systems					
1	Galvanised sheet steel ductwork to all installations (except fume cupboards); as specification and drawings; including all fittings and joints; including all supports; including all ancillaries as described including dampers, backdraught shutters, motorised dampers, fire dampers, flexible connections and the like		item			
2	Polypropylene ductwork to fume cupboard systems; as specification and drawings; including all fittings and joints; including all supports; including all ancillaries as described including dampers, backdraught shutters, motorised dampers, fire dampers, flexible connections and the like		item			
	General Items					
3	Test, commission ventilation installation; specification part 3, sections 8 and 18		item			
4	Operating & Maintenance Manuals, Record Drawings and Testing and Commissioning Reports as Specification Section 1		item			
5	Coordination, Installation and Record drawings as specification Section 1		item			
6	Maintenance during defects period as specification Section 1		item			
7	Mark up builderswork as specification Section 1		item			
8	Fire-stop all service penetrations; specification element 59.2		item			
9	Sleeve ductworkwork through walls and floors		item			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	Internal Above Ground Drainage					
	Sanitary (soil & waste) drainage within building above lowest floor slab level. Excludes rainwater drainage. Excludes below-slab and external drainage. Reference drawings 0298 M113 & M114 and detailed in mechanical Specification Element 52.		Note			
	Terminal Equipment and Fittings					
	Floor outlets					
1	Floor drain in SEN Changing Places	1	nr			
2	Floor drain in AUWC	1	nr			
3	Back inlet Gully in Boiler Room	2	nr			
4	Ecternal Gully Trap	1	nr			
	Accessories associated with Terminal Equipment and Fittings					
	Traps					
	Universal multi-fit type compression outlet to suit pipework		note			
4	50mm tubular or bottle	17	nr			
5	40mm tubular or bottle	12	nr			
6	32mm tubular to appliance including 600mm long standpipe on inlet	2	nr			
	Chemical drainage (Vulcathene)					
7	38mm dilution pot and trap	10	nr			
8	51mm dilution pot and trap to appliance including 600mm long standpipe on inlet	2	nr			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	WC connectors for single appliances					
1	110mm bent WC pan connector; including pan connector seal	11	nr			
	Flexible connectors to variable height sinks					
2	40mm, approximately 1 metre long	2	nr			
	Distribution System					
	Pipework					
3	General pipework; ring seal push-fit or solvent weld joints in running length; including supports; including fittings; including accessories; including expansion joints and anchors; including adaptors to below-ground drainage installation; including access components; including AAAVs etc; including fire sleeves per specification	1	item			
4	Chemical drainage (Vulcathene) pipework; mechanical compression or thermally welded joints in running length; including supports; including fittings; including accessories; including expansion devices and anchors; including adaptors to below-ground drainage installation; including AAAVs etc; including fire sleeves per specification	1	item			
	General Items					
5	Test, flush, commission soil & waste installation as specification		item			
6	Operating & Maintenance Manuals, Record Drawings and Testing and Commissioning Reports as Specification Section 1		item			
7	Coordination, Installation and Record drawings as specification Section 1		item			
8	Maintenance during defects period as specification Section 1		item			
9	Mark up builderswork as specification Section 1		item			
10	Fire-stop all service penetrations; specification element 59.2		item			
11	Sleeve pipework through walls and floors		item			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	Automatic controls installation					
	Primary Equipment					
1	Building Management and Control System; Reference drawings 0298 M104, M112 & EL117 and detailed in mechanical specification elements 51. But also taking account of all other mechanical drawings indicating control items; system to be complete as described; wiring measured elsewhere. Existing boiler room control centre incorporating BMS - to be modified & extended for new link to proposed extension. Existing BMS system front end software to be upgraded to include for monitoring of energy usage and the green traffic light energy monitoring system. Mechanical contractor to allow for dedicated pc for the BMS system and provided new controls software and graphics for the existing and new mechanical plant.		item			
	General Items					
2	Test and commission BMS installation as specification		item			
3	Operating & Maintenance Manuals, Record Drawings and Testing and Commissioning Reports as Specification Section 1		item			
4	Coordination, Installation and Record drawings as specification Section 1		item			
5	Maintenance during defects period as specification Section 1		item			
6	Mark up builderswork as specification Section 1		item			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	Fire Protective Services					
	Supply and fit portable fire fighting appliances as Specification Element 59 and drawings 0298 M110 & M111 including brackets screwed to wall		note			
1	AqueousFfilm Forming Foam (6 Litre)	17	nr			
2	Carbon Dioxide (2kg)	15	nr			
3	Dry Powder (6kg)	6	nr			
4	Fire Blanket	11	nr			
	General Items					
5	Test and commission installation as specification		item			
6	Operating & Maintenance Manuals, Record Drawings and Testing and Commissioning Reports as Specification Section 1		item			
7	Coordination, Installation and Record drawings as specification Section 1		item			
8	Maintenance during defects period as specification Section 1		item			
9	Mark up builderswork as specification Section 1		item			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	Sundry General Items					
1	Include for all general and sundry items, general conditions and obligations as stated in the specification.		item			
2	Section 1 Preliminaries and General Clauses		item			
3	Contract Safety and Health Procedures: B1 - B19		item			
				To Collection €		

DESCRIPTION	Qty	Unit	RATE	€	c
Collection					
Page No. BQ_01					
Page No. BQ_02					
Page No. BQ_03					
Page No. BQ_04					
Page No. BQ_05					
Page No. BQ_06					
Page No. BQ_07					
Page No. BQ_08					
Page No. BQ_09					
Page No. BQ_10					
Page No. BQ_11					
Page No. BQ_12					
Page No. BQ_13					
Page No. BQ_14					
Page No. BQ_15					
Page No. BQ_16					
Page No. BQ_17					
Page No. BQ_18					
Page No. BQ_19					
Page No. BQ_20					
Page No. BQ_21					
Mechanical services carried to summary					
			To Summary €		

Appendix B

ELECTRICAL PRICING DOCUMENT

	DESCRIPTION	Qty	Unit	RATE	€	c
	ELECTRICAL SERVICES					
1	ARM4 Supplement 2 applies to all sections of the mechanical services pricing document		item			
2	Where any brand names have been used in the specification or pricing document the term "or equivalent" shall always been implied even if not explicitly stated in item descriptions		item			
3	Where method of installing/fixing has not been described it shall be left to the discretion of the Contractor		item			
4	Reference to the specification means all relevant sections of Geaney Engineering Consulting Engineers' Specification for the Electrical Services Installation, Volume A.2.3.2.1.		item			
5	Allow for works to be completed to suit the project phasing as detailed in drawing BW-102		item			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	LV INSTALLATIONS					
1	Low voltage swithgear and cable distribution system comprising, exisiting main switchboard alterations, sub mains cables and sub distribution boards or control panels throughout the building. Refer to electrical specification, Sections Element 61, and Element 69. Refer to electrical drawings 0298 - EL115 and drawings 0298 - EL110 & EL111 **Equipment**					
2	Supply, erect & connect complete with switchfuses, mccb's, elcb's, mcb's, contactors, metering, Surge Protection, etc. Main Distribution Board MDB-N located externally as detailed on the Electrical Schematic Drawings, 0298 - EL115 and Drawing 0298 - BW101. In weatherproof enclosure.	1	nr.			
3	Supply, erect & connect complete with switchfuses, mccb's, elcb's, mcb's, contactors, rcbo's, Surge Protection, etc. New external Mini Pillar MP-01, located externally as detailed on the Electrical Schematic Drawings, 0298 - EL115 and Drawing 0298 - BW101. In weatherproof enclosure.	1	nr.			
4	Supply, erect & connect complete with switchfuses, mccb's, elcb's, mcb's, contactors, Emergency Lighting Control Unit, rcbo's, metering, Surge Protection, etc. Sub Distribution Switchboard N1 incorporating Distribution Boards, Lighting, General Services & Small Power, General Services, Small Power and Mechanical Services located in the ground floor Sen Store as detailed on the Electrical Schematic Drawings, 0298 - EL115 and Layout Drawing 0298 - EL110. Fixed to timber backboard with woodscrews	1	nr.			
5	Supply, erect & connect complete with switchfuses, mccb's, elcb's, mcb's, contactors, rcbo's, metering, Surge Protection, etc. Sub Distribution Switchboard N2 located in the ground floor Home Economics as detailed on the Electrical Schematic Drawings, 0298 - EL115 and Layout Drawing 0298 - EL110. Fixed to timber backboard with woodscrews.	1	nr.			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
1	Supply, erect & connect complete with switchfuses, mccb's, elcb's, mcb's, contactors, rcbo's, metering, Surge Protection, etc. Sub Distribution Switchboard N3 located in the first floor circulation space as detailed on the Electrical Schematic Drawings, 0298 - EL115 and Layout Drawing 0298 - EL111. Fixed to timber backboard with woodscrews.	1	nr.			
2	Supply, erect & connect complete with switchfuses, mccb's, elcb's, mcb's, contactors, rcbo's, metering, Surge Protection, etc. Sub Distribution Switchboard N4 located in the first floor Design Communication Graphics Room as detailed on the Electrical Schematic Drawings, 0298 - EL115 and Layout Drawing 0298 - EL111. Fixed to timber backboard with woodscrews.	1	nr.			
3	Supply, erect & connect complete with switchfuses, mccb's, elcb's, mcb's, contactors, rcbo's, metering, Surge Protection, etc. Sub Distribution Switchboard N5 located in the First Floor Science Lab as detailed on the Electrical Schematic Drawings, 0298 - EL115 and Layout Drawing 0298 - EL111. Fixed to timber backboard with woodscrews.	1	nr.			
3	Supply, erect & connect complete with switchfuses, mccb's, elcb's, mcb's, contactors, rcbo's, metering, Surge Protection, etc. Sub Distribution Switchboard N6 located in the First Floor Science Prep room as detailed on the Electrical Schematic Drawings, 0298 - EL115 and Layout Drawing 0298 - EL111. Fixed to timber backboard with woodscrews.	1	nr.			
4	Supply, erect & connect complete with switchfuses, mccb's, elcb's, mcb's, contactors, rcbo's, metering, Surge Protection, etc. Sub Distribution Switchboard N7 located in the First Floor Music Room as detailed on the Electrical Schematic Drawings, 0298 - EL115 and Layout Drawing 0298 - EL111. Fixed to timber backboard with woodscrews.	1	nr.			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	Mains and Sub Mains Cables					
	Sub Mains Cables, XLPE insulation, SWA, LSF sheathed, fixed to cable tray, clipped direct to fabric or run in ducts, LSF tie wraps, cable cleats. Seperate cpc, LSF sheathed g/y earth cabling. As detailed on the Electrical Schematic drawings 0298 - EL115 and layout drawings 0298 - EL110 & EL111		note			
1	From New Main Distribuiton Board, MDB-1 to Sub Distribution Board N1.		item			
2	From New Main Distribuiton Board, MDB-1 to External Mini Pillar, MP-01.		item			
3	From New Main Distribuiton Board, MDB-1 to Existing Sub Distribution Board, SDB-ExT		item			
4	From Sub Distribution Board N1 to Sub Distribution Boards N2 & N3, MCC-N, Intruder Alarm Panel, ICT Distribution Frame, Gas Pressure Proving Panel & 2 New Lifts.		item			
5	From Sub Distribution Board N3 to Sub Distribution Boards N4, N5, N6 & N7		item			
6	**General**					
7	Co-ordination of incoming telephone supplies from Eircom.		item			
8	Testing & commissioning as specification Section 1		item			
9	Operating & Maintenance Manuals, Record Drawings and Testing and Commissioning Reports as Specification Section 1		item			
10	Coordination, Installation and Record drawings as specification Section 1		item			
11	Maintenance during defects period as specification Section 1		item			
12	Mark up builderswork as specification Section 1		item			
13	Firestopping as specification Section 1		item			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	CABLE LADDER/TRAY/TRUNKING INSTALLATIONS					
1	Cable containment installation comprising, 2 compartment dado trunking, cable tray and cable trunking. Refer to electrical specification sections Refer to electrical specification Sections Element 61, and Element 62. Refer to electrical drawings layout drawings 0298 - EL110, EL111, EL101, EL102		item			
	General					
2	Testing & commissioning as specification Section 1		item			
3	Operating & Maintenance Manuals, Record Drawings and Testing and Commissioning Reports as Specification Section 1		item			
4	Coordination, Installation and Record drawings as specification Section 1		item			
5	Maintenance during defects period as specification Section 1		item			
6	Mark up builderswork as specification Section 1		item			
7	Firestopping as specification Section 1		item			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	LIGHTING AND EMERGENCY LIGHTING INSTALLATIONS					
1	Interior and exterior lighting and emergency lighting installations comprising luminaires, accessories, control equipment, final circuit wiring, cable containment etc. Refer to electrical specification Sections Element 63. Refer to electrical drawings layout drawings 0298 - EL104, EL105 & BW1		item			
	Fittings					
	Supply, erect and connect luminaries to wiring points c/w lamps, flex, luminaire connectors, supports as necessary. For full luminaire specification refer to Schedule of Light Fittings in Specification					
2	Luminaire Ref A	55	nr			
3	Surface Mounting Kit For Ref A	13	nr			
4	Luminaire Ref B	116	nr			
5	Surface Mounting Kit For Ref B	15	nr			
6	Luminaire Ref C	2	nr			
7	Luminaire Ref D	2	nr			
8	Surface Mounting Kit For Ref D	2	nr			
9	Luminaire Ref G	6	nr			
10	Luminaire Ref H	10	nr			
11	Luminaire Ref J1	97	nr			
12	Luminaire Ref N/E	13	nr			
13	Luminaire Ref S	5	nr			
14	Luminaire Ref S/E	10	nr			
15	Luminaire Ref UV	1	nr			
16	Luminaire Ref W	9	nr			
17	Luminaire Ref E	91	nr			
18	Luminaire Ref E/WP	4	nr			
19	Luminaire Ref E1	40	nr			
20	Luminaire Ref E2	2	nr			
21	Luminaire Ref E3	1	nr			
22	Luminaire Ref EXIT	37	nr			
23	Luminaire Ref EXIT DS	7	nr			
24	Luminaire Ref EXIT WP	1	nr			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	Supply, erect and connect external luminaries to wiring points c/w lamps, flex, IP 65 rated luminaire connectors, supports as necessary. For full luminaire specification refer to Schedule of Light Fittings in Specification					
1	Luminaire Ref LP-N1	20	nr			
1	Luminaire Ref LP-N2	4	nr			
2	6m Glavanised steel Base Hinged Octagonal Column	24	nr			
	Accessories Supply, erect and connect accessories/controls, ganged appropriately and/or as illustrated. For full accesory and control specification refer to electrical specification Sections Element 63. Refer to electrical drawings layout drawings 0298 - EL104, EL105 & BW1					
4	One way One Gang Light switch	40	nr			
5	Two way One Gang Light switch	21	nr			
6	One way Push Type Retractive Light switch	15	nr			
7	One way One Gang Key Operated Light switch	1	nr			
8	Key Operated Hand Off Auto Light switch	3	nr			
9	PIR Movement Sensor	14	nr			
10	Type D1 Dimming and PIR Movement Sensor	15	nr			
11	Type D2 Dimming Sensor	12	nr			
12	Lighting Control Module	19	nr			
13	Master Key Switches	2	nr			
14	External Photocell	1	nr			
	Final Circuits Final circuit cabling, final circuit containment, control cabling, etc. Main containment runs have been incuded elsewhere. Final containment runs including conduit is to be inlcuded in the following wiring rates. 2.5mm2 LSF singles in trunking and steel galvanised conduit, separate 2.5mm2 cpc, concealed, fixed to masonry/timber. Connected to local Distribution Boards		Note			
15	Lighting Outlet Point	435	nr			
16	Emergency Lighting Outlet Point	57	nr			
17	1 Way Switch Points	51	nr			
18	2 Way Switch Points	21	nr			
19	Lighting Control Sensors	38	nr			
20	Lighting Control Modules	19	nr			
21	Key Operated Hand Off Auto Light switch	3	nr			
22	Master Key Switches	2	nr			
23	External Photocell	1	nr			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	Standard DALI Bus Cable (2pr) trunking and steel galvanised conduit, separate 1.5mm2 cpc, concealed, fixed to masonry/timber.					
1	Lighting Control Modules (LCM)	21	nr			
2	From LCM to Lighting Outlet Point	250	nr			
3	From LCM to Retractive Light switch	15	nr			
4	From LCM to Lighting Control Sensors	38	nr			
	10mm2 3 core PVC/SWA/LSF cable in trench or duct, glands, clips, warning tape, connected to local distribution boards					
5	Cable Cut-Out, mounted on backboard in base of column	24	nr			
6	Final Connections to floodlights, IP65 junction box, glands, Hi-Tuff Cable	24	nr			
7	Allow for a commissioning Engineer from the manufacturer's factory to attend site to pre-commission, test & commission and demonstrate the system.		item			
8	Allow for return visit for full recommission after occupation to fine tune system to incorporate users feedback		item			
9	Testing & commissioning as specification Section 1		item			
10	Operating & Maintenance Manuals, Record Drawings and Testing and Commissioning Reports as Specification Section 1		item			
11	Coordination, Installation and Record drawings as specification Section 1		item			
12	Maintenance during defects period as specification Section 1		item			
13	Mark up builderswork as specification Section 1		item			
14	Firestopping as specification Section 1		item			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	GENERAL SERVICES AND SMALL POWER INSTALLATIONS					
1	Socket Outlets, Fused Connection Units, isolators, final circuit cabling, final circuit final circuit wiring, cable containment etc. Refer to electrical specification Sections Element 62. Refer to electrical drawings layout drawings 0298 - EL101, EL102 & BW1 **Accessories** Supply, erect and connect electrical accessories and fittings to wiring points.		item			
2	Twin switched socket outlet	122	nr			
3	Twin unswitched socket outlet	152	nr			
4	Single unswitched socket outlet	7	nr			
5	Single switched socket outlet	1	nr			
6	13A switched fused spur outlet c/w neon light	51	nr			
7	13A unswitched fused spur outlet c/w neon light	9	nr			
8	DP Switch for swing doors	16	nr			
9	20A DP isolating switched above counter (engraved) c/w neon light	10	nr			
10	Single unswitched socket outlet below counter	10	nr			
11	20A DP isolating switch c/w neon light	7	nr			
12	20A DP isolating switch c/w neon light (Red Cover Plate)	13	nr			
13	20A Single phase isolator c/w flex outlet box	7	nr			
14	32A Three phase isolator c/w flex outlet box	1	nr			
15	3 Pin SP&N&E Commando Socket	3	nr			
16	45A switched isolator outlet- (cooker) - c/w neon light and engraved 'cooker'	13	nr			
27	Cooker outlet point	13	nr			
18	Knockout button on electrical supply/Emergency Stop		nr			
19	Key operated isolator/ knockout button on electrical supply	7	nr			
20	Gas pressure proving system panel c/w Key operated emergency knock off.	3	nr			
21	CO2 Monitor and Display unit	21	nr			
22	32A Three phase isolator Coloured Red	13	nr			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	Final Circuits Final circuit cabling, final circuit containment, control cabling, etc. Main containment runs have been included elsewhere. Final containment runs including conduit is to be inlcuded in the following wiring rates.		Note			
	4.0mm2 LSF singles in trunking and steel galvanised conduit, separate 4.0mm2 cpc, concealed, fixed to masonry/timber. Connected to local Distribution Boards					
1	Socket Outlet Points	282	nr			
2	Fused Connection Unit Points	76	nr			
3	20A DP isolating switch	30	nr			
4	Single unswitched socket point	10	nr			
5	Key operated isolator/ knockout button on electrical supply	7	nr			
6	Gas pressure providing system panel c/w Key operated emergency knock off.	3	nr			
	6.0mm2 LSF singles in trunking and steel galvanised conduit, separate 6.0mm2 cpc, concealed, fixed to masonry/timber. Connected to local Distribution Boards					
7	32A 3 phase Isolator	14	nr			
8	32A single phase Isolator	7	nr			
9	3 Pin SP&N&E Commando Socket point	3	nr			
10	45A switched isolator outlet- (cooker)	13	nr			
	2.5mm^2 FP200 GOLD insulated cable with 2.5mm^2 earth on steel cable basket, B/E conduit and PVC mini-trunking fixed to masonry/timber.					
11	DP Isolator Point (Intruder Alarm)	2	nr			
12	DP Isolator Point (Fire Alarm)	2	nr			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	Contactor Control wiring:					
	Supply and install all control wiring to control power within specialist classrooms. Wire in 4.0mm2 LSF singles in trunking and steel galvanised conduit, separate 4.0mm2 cpc, concealed, fixed to masonry/timber.					
1	Contactor Coil Points	150	nr			
2	Keyswitch Points	10	nr			
3	Emergency Stop Push Point	8	nr			
4	Final Connections, Flexible cable, clipped neatly	128	nr			
5	Testing & commissioning as specification Section 1		item			
6	Operating & Maintenance Manuals, Record Drawings and Testing and Commissioning Reports as Specification Section 1		item			
7	Coordination, Installation and Record drawings as specification Section 1		item			
8	Maintenance during defects period as specification Section 1		item			
9	Mark up builderswork as specification Section 1		item			
10	Firestopping as specification Section 1		item			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	FIRE ALARM INSTALLATIONS					
1	Fire Detection and Alarm System, Fire rated cabling, final circuit containment, detection devices, sounders, call points, control panel etc. Refer to electrical specification Sections Element 65. Refer to electrical drawings layout drawings 0298 - EL106 & EL107		Item			
	Equipment					
2	Supply, erect & connect new loop card to existing analogue addressable fire alarm panel.	1	nr.			
3	Supply, erect & connect new repeater fire alarm panel located in ground floor as detailed on the Fire Alarm Drawing 0298 - EL106. Fixed to masonry walls with appropriate wall plug and screw.	2	nr.			
	Fittings					
	Supply, erect and connect equipment to wiring points connectors, supports as necessary. For full equipment specification refer to Drawings 0298 - EL106 & EL107 Supply, erect and connect equipment.					
4	Smoke Detector + Base	76	nr			
5	Smoke Detector + Sounder Base	9	nr			
6	Smoke Detector + Sounder + Beacon Base	42	nr			
7	Remote Ceiling Void Indicator	41	nr			
8	Heat Detector + Base	1	nr			
9	Manual Call Point	18	nr			
10	Electronic Sounder/Strobe	2	nr			
11	I/O Interface Units	26	nr			
12	Power Supply units	2	nr			
13	Magnetic Door Holder	8	nr			
14	Door Holder Power Supply units	4	nr			
	Complete Aspirating System, PSE, Aspirating Controller, PVC Pipework etc. all as required for working system.					
15	System to Lift shaft as detailed on drg 0298 - EL107	1	nr			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	Final Circuits					
	Main containment runs have been incuded elsewhere. Final containment runs including conduit is to be inlcuded in the following wiring rates.		Note			
	Wire in 1.5mm^2 FP200 red cable, run on steel basket or clipped direct to fabric, concealed in fabric. Connected to existing main fire alarm panel.					
1	Detector Base point.	129	nr			
2	Call point.	18	nr			
3	Sounder/Strobe point	2	nr			
4	Remote Ceiling Void Indicator Point	40	nr			
5	I/O Interface Points	26	nr			
6	Repeater panel	2	nr			
	Final Connections to secondary equipment (Door Hold devices, Smoke Vent panels, Access control devices etc. equipment.)					
7	Final Connections	45	nr			
	General					
8	Allow sum for maintenance inline with IS 3218:2013 for 12 months from date of handover.		item			
9	Testing & commissioning as specification Section 1		item			
10	Operating & Maintenance Manuals, Record Drawings and Testing and Commissioning Reports as Specification Section 1		item			
11	Coordination, Installation and Record drawings as specification Section 1		item			
12	Maintenance during defects period as specification Section 1		item			
13	Mark up builderswork as specification Section 1		item			
14	Firestopping as specification Section 1		item			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	DATA/IT INSTALLATIONS					
1	CAT 6a cabling, final circuit containment, data outlets, patch panels, data cabinets fibre optic cable interconnections etc. Refer to electrical specification Sections Element 64. Refer to electrical drawings layout drawings 0298 - EL101, EL102 & BW1		Item			
	Equipment					
2	Supply, erect & connect new comms cabinet ICT in Working Area Room as detailed on electrical power Drawing, 0298 - EL101 and specification Part 64. Floor Standing, 600 x 910mm 42U.	1	nr.			
3	24 Way Cat 6a Patch panel	8	nr			
4	24 Way multimode SC fibre Patch panel	1	nr			
5	1x12 way PDU for cabinet	1	nr			
	Accessories Supply, erect and connect electrical accessories and fittings to wiring points.					
6	Single Data Point	85	nr			
7	Twin Data Point	23	nr			
8	Wi /Fi Access Point	14	nr			
9	Telephone Outlet Point	8	nr			
10	Surface mounted, low level, white PVC, PAF IN (1xVGA in, 1xHDMI in, 1xMini-stereo jack in)	10	nr			
11	Surface mounted, high level, white PVC, PAF OUT (1xHDMI out, L-R audio out)	10	nr			
	Final Circuits Final circuit cabling, final circuit containment, , etc.					
	Main containment runs have been incuded elsewhere. Final containment runs including conduit is to be inlcuded in the following wiring rates.		Note			
	Cat6A data cables on mesh cable tray and steel galvanised conduit, concealed, fixed to masonry/timber. Connected to Distribution Facilities					
12	Data/Voice outlets (Radial)	145	nr			
13	Telephone Outlet Point	8	nr			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	Fibre Optic Cabling Install, terminate & test new fibre optic cable, 8 core multi-mode OMC2, 50/125µm, SC terminations.					
1	From MDF1 to ICT2		item			
	Telephone Cabling Install, terminate & test new multi pair telephnoe cable, cable, terminations.					
2	50 Pair From MDF1 to IDF		item			
	A/V Cabling Install, terminate & test new AV cabling between teaching desk PAF and whiteboard PAF, cabling as required for PAF's listed above.					
3	PAF IN to PAF OUT	9	nr			
4	PAF IN to L&R Audio Out	9	nr			
	General					
5	Provide 25 year Warranty as detailed in electrical specification Sections 64.2		item			
6	Testing & commissioning as specification Section 1		item			
7	Operating & Maintenance Manuals, Record Drawings and Testing and Commissioning Reports as Specification Section 1		item			
8	Coordination, Installation and Record drawings as specification Section 1		item			
9	Maintenance during defects period as specification Section 1		item			
10	Mark up builderswork as specification Section 1		item			
11	Firestopping as specification Section 1		item			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	MECHANICAL AND BMS WIRING INSTALLATIONS					
1	Fused Connection Units, isolators, Field wiring cabling, cabling containment etc. Refer to electrical specification Sections Element 62. Refer to electrical drawings layout drawings 0298 - EL112, EL113, E114, & E117		Item			
	Accessories Supply, erect and connect electrical accessories and fittings to wiring points.					
2	20A SP&N Rotary Isolator	12	nr			
3	32A TP&N Rotary Isolator	1	nr			
4	13A switched fused spur outlet c/w neon light	3	nr			
	Final Circuits Final circuit cabling, final circuit containment, control cabling, etc.					
	Main containment runs have been incuded elsewhere. Final containment runs including conduit is to be inlcuded in the following wiring rates.		Note			
	1.5mm2 LSF singles in trunking and steel galvanised conduit, separate 1.5mm2 cpc, concealed, fixed to masonry/timber. Connected to MCC-N					
5	Ground Floor Room Thermostats	20	nr			
6	Ground Floor Zone Valves	26	nr			
7	Intruder Alarm Link	1	nr			
8	Vampire Load Link	1	nr			
9	BMS Link	1	nr			
10	First Floor Room Thermostats	38	nr			
11	First Floor Zone Valves	23	nr			
12	Heating 3 Port Valve	1	nr			
13	Hot Water 3 Port Valve	1	nr			
	Connected to SEN Control Panels					
14	Actuators	38	nr			
	3 Core 2.5mm2 XLPE/SWA/PVC cable on tray, glands, clips, connected to MCC-N					
15	Radiator Control Panels	4	nr			
16	Heat Recovery Unit	1	nr			
17	Pressurisation Unit	2	nr			
18	LPG Condensing Boiler	2	nr			
19	Circulating Pumps	9	nr			
20	Water Treatment Unit	1	nr			
21	3kW Immersion Heater	1	nr			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	3 Core 6.0mm2 XLPE/SWA/PVC cable on tray, glands, clips, connected to MCC-N					
1	Heat Pump Unit	3	nr			
	4 Core 1.0mm2 XLPE/SWA/PVC cable on tray, glands, clips, connected to MCC-N					
2	Heat Recovery Unit	1	nr			
3	Heat Pump Unit	3	nr			
4	LPG Condensing Boiler	2	nr			
5	P:ressurisation Unit	1	nr			
6	Motorized Damper	1	nr			
	10 Core 1.0mm2 XLPE/SWA/PVC cable on tray, glands, clips, connected to MCC-N					
7	Radiator Control Panels	4	nr			
	3 Core 1.5mm2 Enhanced Grade (120) Armoured Cable on tray, glands, clips, connected to MCC-N Connected to MCC-N					
8	Gas Proving panel	4	nr			
9	Gas Detection panel	1	nr			
	Connected to above Panels					
10	Gas Detectors	3	nr			
11	Key Switch	5	nr			
12	Gas Shut off Valves	5	nr			
13	Link to Alarm Panel	5	nr			
14	Fire/Smoke Damper panel	1	nr			
	Connected to Above Panel					
15	Fire Dampers	44	nr			
16	Fire and Smoke Dampers	4	nr			
	Connected to MCC-EXX					
17	Gas Detection panel	1	nr			
18	Fire Alarm Interface	1	nr			
	Connected to above Panels					
19	Gas Detectors	4	nr			
20	Carbon Monoxide Detectors	3	nr			
21	Key Switch	1	nr			
22	Gas Shut off Valves	1	nr			
23	Link to Alarm Panel	1	nr			
	4 Core 1.5mm2 Enhanced Grade (120) Armoured Cable on tray, glands, clips. Connected to MCC-N					
24	Gas Proving panel	2	nr			
25	Gas Detection panel	2	nr			
26	Fire Smoke Damper Panel	1	nr			
	Connected to MCC-EXX					
27	Gas Detection panel	1	nr			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	Cat 6A Cable on tray, glands, clips.					
	Connected to MCC-N					
1	Remote Monitor	1	nr			
2	ICT Comms Cabinet	1	nr			
	Connected to SEN Control Panels					
3	Room Thermostats	16	nr			
4	Actuators	3	nr			
	Belden 2 pair Screened RS485 Cable in trunking and steel galvanised conduit, concealed, fixed to masonry/timber.					
	Connected to MCC-N					
5	PV Inverter	1	nr			
	Belden 50 pair Screened Cable in trunking and steel galvanised conduit, concealed, fixed to masonry/timber.					
6	MCC-EXX to MCC-N	1	nr			
	Belden 8761 2 pair Screened Cable in trunking and steel galvanised conduit, concealed, fixed to masonry/timber.					
	Connected to MCC-N					
7	Sensors	29	nr			
8	Multi Function Meter	6	nr			
9	Check Meters	2	nr			
	Connected to MCC-EXX					
10	Check Meters	1	nr			
	Local Controls					
	Allow for wiring between mechanical plant and local controls					
11	Exract Fans - PIR Controlls	16	nr			
12	Heat Rcovery unit and Remote Controller	14	nr			
	General					
13	Testing & commissioning as specification Section 1		item			
14	Operating & Maintenance Manuals, Record Drawings and Testing and Commissioning Reports as Specification Section 1		item			
15	Coordination, Installation and Record drawings as specification Section 1		item			
16	Maintenance during defects period as specification Section 1		item			
17	Mark up builderswork as specification Section 1		item			
18	Firestopping as specification Section 1		item			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	EARTHING AND BONDING INSTALLATION					
1	Main earthing installation, earth bars, earth cables, glands etc. Refer to electrical specification Sections Element 69. Refer to electrical drawings layout drawings 0298 - EL101, EL102, BW1, EL110 & EL115		item			
	Equipment					
2	Supply, erect & connect new Main Earth Bar, 12 Way, High quality 50mm x 6mm HD copper bar, Lightweight PVC insulating base, with single disconnecting links, 835mm x 90mm x 60mm. Fixed to masonry walls with appropriate wall plug and screw.	1	nr			
	Earth Cables					
3	Earth Cables, LSF insulation, run in steel trunking and galvanised steel conduit. As detailed on the Electrical Schematic Drawings 0298 - EL115 and Layout Drawing 0298 - EL110.		item			
	General					
4	Testing & commissioning as specification Section 1		item			
5	Operating & Maintenance Manuals, Record Drawings and Testing and Commissioning Reports as Specification Section 1		item			
6	Coordination, Installation and Record drawings as specification Section 1		item			
7	Maintenance during defects period as specification Section 1		item			
8	Mark up builderswork as specification Section 1		item			
9	Firestopping as specification Section 1		item			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	LIGHTNING PROTECTION INSTALLATION					
1	Lightning Protection Installation, air terminal network, down conductors and earth pits etc. Refer to electrical specification Sections Element 69. Refer to electrical drawings layout drawings 0298 - EL109.		item			
2	Engage specialist to supply install and erect a complete lightning protecton system in compliance with BS EN 62305 as outlined in electrical specification Sections Element 69.9 and drawing 0298 - EL 109		item			
	General					
3	Testing & commissioning as specification Section 1		item			
4	Operating & Maintenance Manuals, Record Drawings and Testing and Commissioning Reports as Specification Section 1		item			
5	Coordination, Installation and Record drawings as specification Section 1		item			
6	Maintenance during defects period as specification Section 1		item			
7	Mark up builderswork as specification Section 1		item			
8	Firestopping as specification Section 1		item			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	PHOTOVOLTAIC PANEL INSTALLATION					
1	Photo Voltaic electrical generation Installation, PV Modules, Roof Fixing system, Invertors, Optimisers, DC cabling and isolators, AC cabling and isolators, cable containment, distribution board, metering/display, etc. Refer to electrical specification Element 62. Refer to electrical drawings layout drawings 0298 - EL103, EL115 & EL116		item			
2	Engage specialist to supply install and erect a solar photo voltaic electrical generation system as outlined on drawing 0298 - EL103, EL115 & EL116 and in specifcation Element 62.5		item			
	General					
3	Testing & commissioning as specification Section 1		item			
4	Operating & Maintenance Manuals, Record Drawings and Testing and Commissioning Reports as Specification Section 1		item			
5	Coordination, Installation and Record drawings as specification Section 1		item			
6	Maintenance during defects period as specification Section 1		item			
7	Mark up builderswork as specification Section 1		item			
8	Firestopping as specification Section 1		item			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	INTRUDER ALARM INSTALLATIONS					
1	Intruder Alarm System, cabling, final circuit containment, detection devices, contacts, sounders, control panel etc. Refer to electrical specification Sections Element 70. Refer to electrical drawings layout drawings 0298 - EL108 & EL109		item			
	Equipment					
2	Supply, erect & connect new intruder panel located in SEN store 1 as detailed on the Drawing, 0298 - EL108. Fixed to masonry walls with appropriate wall plug and screw.	1	nr.			
3	Supply, erect & connect new Emergency Call/Panic Alarm Control Station located in SEN Office as detailed on the Drawing, 0298 - EL108. Fixed to masonry walls with appropriate wall plug and screw.	1	nr.			
	Fittings Supply, erect and connect equipment to wiring points connectors, supports as necessary. Supply, erect and connect equipment.					
4	Intruder Alarm Sounder - Internal	4	nr			
6	Intruder Alarm Sounder - External	2	nr			
7	Passive Infra Red Intruder Detector	22	nr			
8	Key Pad	2	nr			
9	Personal Attack Button	1	nr			
10	Mobile personal Attack Button	15	nr			
11	Wireless Alarm Receiver	6	nr			
	Final Circuits					
	Main containment runs have been incuded elsewhere. Final containment runs including conduit is to be inlcuded in the following wiring rates.		Note			
	Wire in Cat 6A data cable (RED), on cable tray or in trunking and steel galvanised conduit, concealed, fixed to masonry/timber.					
10	Intruder Alarm Sounder	6	nr			
11	Passive Infra Red Intruder Detector	22	nr			
12	Key Pad	2	nr			
13	Personal Attack Button	1	nr			
14	Wireless Alarm Receiver	6	nr			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	General					
1	Allow sum for connecting system to Building Management System to allow operation of Vampire Load shedding		item			
2	Allow sum for connecting new Intruder Alarm Panel to existing school Intruder Alarm Panel		item			
3	Allow sum for the testing, commissioning and setting to work inclusive of demonstration of same of the Intruder alarm system and equipment.					
4	Allow sum for connection to remote 24hr manned call centre for 12 months from date of handover. Include dialling equipment and contract with alarm company.		item			
5	Allow sum for maintenance for 12 months from date of handover.		item			
6	Testing & commissioning as specification Section 1		item			
7	Operating & Maintenance Manuals, Record Drawings and Testing and Commissioning Reports as Specification Section 1		item			
8	Coordination, Installation and Record drawings as specification Section 1		item			
9	Maintenance during defects period as specification Section 1		item			
10	Mark up builderswork as specification Section 1		item			
11	Firestopping as specification Section 1		item			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	DOOR ACCESS INSTALLATIONS					
1	Door Access System, cabling, final circuit containment, detection devices, contacts, sounders, control panel etc. Refer to electrical specification Sections Element 64. Refer to electrical drawings layout drawings 0298 - EL108 & EL109		item			
	Equipment					
2	Supply, erect & connect new Dedicated control front complete withend PC, 19" LCD display in Admin as detailed on the electrical specification Sections Element 64.5	1	nr.			
	Fittings					
	Supply, erect and connect equipment to wiring points connectors, supports as necessary.					
	Supply, erect and connect equipment.					
3	Fob programmer	1	nr			
4	Door controller c/w PSU & 12V 7ah battery	7	nr			
5	Fob Reader	22	nr			
6	Emergency Door Release Button	15	nr			
7	Key Operated Override Switch	7	nr			
8	Fobs	40	nr			
9	Rebated Electro-Magnetic Locks	13	nr			
10	Automatic Door Interface	4	nr			
11	Doorbell Push	2	nr			
12	Doorbell Transformer	2	nr			
13	Doorbell Sounder	2	nr			
	Final Circuits					
	Main containment runs have been incuded elsewhere. Final containment runs including conduit is to be inlcuded in the following wiring rates.		Note			
	Belden 9501 Screened cable in trunking and galvanised steel conduit, tied and tagged, concealed, fixed to masonry/timber. Cpnnecitng door controllers to Main Access Door System					
14	Door controller	7	nr			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	Wire in 8 core Belden Screened cable, on cable tray or in trunking and steel galvanised conduit, concealed, fixed to masonry/timber.					
1	Door controller to Fob Reader points	22	nr			
2	Door controller to Emergency Door Release Button points	15	nr			
3	Door controller to Maglock points	13	nr			
4	Door controller to Override Switch points	7	nr			
	Wire in 2 core bell cable, on cable tray or in trunking and steel galvanised conduit, concealed, fixed to masonry/timber.					
5	Doorbell Push	2	nr			
6	Doorbell Transformer	2	nr			
7	Doorbell Sounder	2	nr			
	General					
8	Testing & commissioning as specification Section 1		item			
9	Operating & Maintenance Manuals, Record Drawings and Testing and Commissioning Reports as Specification Section 1		item			
10	Coordination, Installation and Record drawings as specification Section 1		item			
11	Maintenance during defects period as specification Section 1		item			
12	Mark up builderswork as specification Section 1		item			
13	Firestopping as specification Section 1		item			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	PUBLIC ADDRESS INSTALLATIONS					
1	Public Address and Induction Loop System, cabling, final circuit containment, detection devices, contacts, sounders, control panel etc. Refer to electrical specification Sections Element 64. Refer to electrical drawings layout drawings 0298 - EL101 & EL102		item			
	Equipment					
2	Supply, erect & connect new Public Address Control Equipment complete with Output switch panel, Tone Generator, Class Change Timer, Amplifier,Paging microphone etc. in Admin Office as detailed in electrical specification Sections Element 64.4	1	nr.			
	Fittings					
	Supply, erect and connect equipment to wiring points connectors, supports as necessary. Supply, erect and connect equipment.					
3	Main Console	1	nr			
4	1 Way Public Address/Class Change Speaker Unit	15	nr			
5	2 Way Public Address/Class Change Speaker Unit with Local Volume Control	6	nr			
6	External Speaker	1	nr			
7	Microphone	2	nr			
	Final Circuits					
	Main containment runs have been incuded elsewhere. Final containment runs including conduit is to be inlcuded in the following wiring rates.		Note			
	Cat 6a UTP cable in trunking and galvanised steel conduit, tied and tagged, concealed, fixed to masonry/timber. From Main Console.					
8	1 Way Public Address/Class Change Speaker Unit	15	nr			
9	2 Way Public Address/Class Change Speaker Unit with Local Volume Control	6	nr			
10	External Speaker	1	nr			
11	Microphone	2	nr			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	General					
1	Testing & commissioning as specification Section 1		item			
2	Operating & Maintenance Manuals, Record Drawings and Testing and Commissioning Reports as Specification Section 1		item			
3	Coordination, Installation and Record drawings as specification Section 1		item			
4	Maintenance during defects period as specification Section 1		item			
5	Mark up builderswork as specification Section 1		item			
6	Firestopping as specification Section 1		item			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	CCTV INSTALLATIONS					
1	CCTV System, cabling, final circuit containment, Cameras, control and recording equipment, monitors, etc. Refer to electrical specification Sections Element 70. Refer to electrical drawings layout drawings 0298 - EL108, EL109 & BW1		item			
	Equipment					
2	Supply, erect & connect new Dedicated control front complete withend PC, 19" LCD display in Sen store 1 as detailed on the Drawing 0298 - EL108	1	nr.			
3	Supply, erect & connect new Digital Network Video Recorder	1	nr.			
4	Supply, erect & connect new High Resolution CCTV monitor	1	nr.			
5	Supply, erect & connect new comms cabinet in Sen Store 1 as detailed on Drawing 0298 - EL108	1	nr.			
6	24 Way Cat 6a Patch panel	2	nr			
7	24 Port POE+ Network Switch	2	nr			
8	1x12 way PDU for cabinet	1	nr			
	Fittings Supply, erect and connect equipment to wiring points, connectors, supports as necessary. Supply, erect and connect equipment.					
9	Internal Dome IP CCTV Camera	1	nr			
10	External IP CCTV Camera	13	nr			
	Final Circuits					
	Cat6A data cables on mesh cable tray and steel galvanised conduit, concealed, fixed to masonry/timber. Connected to CCTV Comms Cabinet					
11	Building Mounted External CCTV Outlets (Radial)	13	nr			
12	Internal Dome IP CCTV Camera	1	nr			
13	Future IP CCTV Camera	13	nr			
	Externally Rated Cat6A data cables in cable ducting to column locations. Connected to CCTV Comms Cabinet					
14	Column Mounted External CCTV Outlets (Radial)	27	nr			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
1	Patch/nterconnection cables between equipment in Comms Cabinet., Belden cable, Cat6A cable or Co-Axial cable as required.		item			
2	Allow sum for connecting CCTV to existing school System by 12 core Fibre optic cable.		item			
	General					
3	Allow sum for the testing, commissioning and setting to work inclusive of demonstration of same of the CCTV system and equipment.		item			
4	Allow sum for maintenance for 12 months from date of handover.		item			
5	Testing & commissioning as specification Section 1		item			
6	Operating & Maintenance Manuals, Record Drawings and Testing and Commissioning Reports as Specification Section 1		item			
7	Coordination, Installation and Record drawings as specification Section 1		item			
8	Maintenance during defects period as specification Section 1		item			
9	Mark up builderswork as specification Section 1		item			
10	Firestopping as specification Section 1		item			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	EMERGENCY VOICE COMMUNICATION					
1	Communication cabling, final circuit containment, control equipment, Power supply, Control station, Call Points, interconnections etc. Refer to electrical specification Sections Element 65. Refer to electrical drawings layout drawings 0298 - EL106, EL107 & BW1		item			
	Equipment					
2	Disabled Refuge Alarm Central Unit	1	nr			
3	Flush mounted stainless steel Disabled Refuge Call Points	1	nr			
	Final Circuits					
	Wire in 4 core 1.5mm2 FP200 Gold red cable, run on steel tray or clipped direct to fabric, concealed in fabric.					
4	From master control panel to outstations	1	nr			
5	From master control panel to main Fire Panel	1	nr			
	General					
6	Allow sum for the testing, commissioning and setting to work inclusive of demonstration of same of the EVC system and equipment.		item			
7	Testing & commissioning as specification Section 1		item			
8	Operating & Maintenance Manuals, Record Drawings and Testing and Commissioning Reports as Specification Section 1		item			
9	Coordination, Installation and Record drawings as specification Section 1		item			
10	Maintenance during defects period as specification Section 1		item			
11	Mark up builderswork as specification Section 1		item			
12	Firestopping as specification Section 1		item			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	EMERGENCY ASSISTANCE ALARM SYSTEM					
1	Fire Rated Communication cabling, final circuit containment, outstations, control equipment, interconnections etc. Refer to electrical specification Sections Element 70. Refer to electrical drawings layout drawings 0298 - EL108 & EL109		item			
	Equipment					
2	Emergeny Assistance Alarm 4 zone call controller	1	nr			
3	Disabled Alarm Kit comprising Ceiling Mounted Pull Cord Switch, Over Door Warning Light & Reset Button	7	nr			
4	Additional Ceiling mounted pullcord	2	nr			
	Final Circuits					
	Wire in 8core 1.5mm2 PH120 (RED) Fire Rated Cable, run on steel tray or clipped direct to fabric, concealed in fabric.					
5	From central controller to room kit controller point	7	nr			
6	From controller to overdoor indicator point	7	nr			
7	From indicator to reset unit point	7	nr			
8	From Reset unit to pull cord points	9	nr			
	General					
9	Allow sum for the testing, commissioning and setting to work inclusive of demonstration of same of the disabled alarm system and equipment.		item			
10	Testing & commissioning as specification Section 1		item			
11	Operating & Maintenance Manuals, Record Drawings and Testing and Commissioning Reports as Specification Section 1		item			
12	Coordination, Installation and Record drawings as specification Section 1		item			
13	Maintenance during defects period as specification Section 1		item			
14	Mark up builderswork as specification Section 1		item			
15	Firestopping as specification Section 1		item			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	ELECTRIC VEHICLE CHARGING POINTS					
1	External Vehicle Charging installations comprising distriction equipment, EVC charging points, accessories, control equipment, final circuit wiring, cable containment etc. Refer to electrical specification Sections Element 60. Refer to electrical drawings layout drawings 0298 - EL115 & BW1		item			
	Equipment					
2	IP65 Glavansed steel Mini Pillar c/w lockable lift out door	1	nr			
3	Dual Outlet Electrical Vehicle Charging Station, EVC-N	1	nr			
	Final Circuits					
	Cables, XLPE insulation, SWA, LSF sheathed, fixed to cable tray, clipped direct to fabric or run in ducts, LSF tie wraps, cable cleats. Seperate cpc, LSF sheathed g/y earth cabling.					
4	From Sub Distribution Board N1 to Mini Pillar		item			
5	From Mini Pillar to EVC Charging Point A		item			
6	From Mini Pillar to EVC Charging Point B		item			
	General					
7	Testing & commissioning as specification Section 1		item			
8	Operating & Maintenance Manuals, Record Drawings and Testing and Commissioning Reports as Specification Section 1		item			
9	Coordination, Installation and Record drawings as specification Section 1		item			
10	Maintenance during defects period as specification Section 1		item			
11	Mark up builderswork as specification Section 1		item			
12	Firestopping as specification Section 1		item			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	TRANSPORT INSTALLATION					
	External Vehicle Charging installations comprising distriction equipment, EVC charging points, accessories, control equipment, final circuit wiring, cable containment etc. Refer to Lift specification Volume A.2.3.2.1. Refer to electrical drawings layout drawings 0298 - L1					
1	Supply and delivery of 1 nr. Passenger Lifts as per Lift Specification			item		
2	Testing and Commissioning of Lifts as per manufacturers guidlines			item		
3	Comprehensive maintanance for Lifts for 12 months			item		
4	Provide for all site overheads, preliminaries, insurances etc, in accordance with the terms of the Main Contract and Sub-Contract Conditions read in conjunction one with the other.			item		
5	Provide for compliance with Conditions of Tender			item		
6	Amount for any other item not specifically mentioned or implied, but deemed necessary for the the satisfactory completion of the installation generally			item		
7	Amount for compliance with health & safety requirements generally			item		
				To Collection €		

DESCRIPTION	Qty	Unit	RATE	€	c
Collection					
Page No. BQ/1					
Page No. BQ/2					
Page No. BQ/3					
Page No. BQ/4					
Page No. BQ/5					
Page No. BQ/6					
Page No. BQ/7					
Page No. BQ/8					
Page No. BQ/9					
Page No. BQ/10					
Page No. BQ/11					
Page No. BQ/12					
Page No. BQ/13					
Page No. BQ/14					
Page No. BQ/15					
Page No. BQ/16					
Page No. BQ/17					
Page No. BQ/18					
Page No. BQ/19					
Page No. BQ/20					
Page No. BQ/21					
Page No. BQ/22					
Page No. BQ/23					
Page No. BQ/24					
Page No. BQ/25					
Page No. BQ/26					
Page No. BQ/27					
Page No. BQ/28					
Page No. BQ/29					
Page No. BQ/30					
Page No. BQ/31					
Page No. BQ/32					
Page No. BQ/33					
Electrical Services Carried to Summary					
			To Summary €		