



SCOIL REALT NA MARA, CROMANE, KILLORGLIN, Co. KERRY.



CONTRACT DOCUMENTS: VOLUME C

PRICING DOCUMENT

CONTENTS:

- Preliminaries
- Building
- Siteworks
- Mechanical Pricing Document
- Electrical Pricing Document

- Chartered Quantity Surveyors
- Construction Cost Consultants

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Scoil Realt Na Mara, Cromane, Killorglin, Co. Kerry.

INDEX

Element	Page
<u>Bill of Quantities:</u>	
Design Team	
Main Contract Preliminaries	1-131
Main Building Works	132-577 (ii)
General Summary	
Appendix A – Mechanical Services Pricing Document	
Appendix B – Electrical Services Pricing Document	

PRICING DOCUMENT

**Scoil Realt Na Mara,
Cromane,
Killorglin,
Co. Kerry.**

EMPLOYER

Board of Management, Scoil Realt Na Mara.
Cromane,
Killorglin,
Co. Kerry.

ARCHITECTS/ ER

MRG Consulting Engineers
4 Day Place,
Tralee,
Co. Kerry.

STRUCTURAL ENGINEERS

Jeremy Walsh Project Managment
10 Gas Terrace,
Tralee,
Co. Kerry.

MECHANICAL & ELECTRICAL

Matt O'Mahoney & Associates
8 Sydney Place,
Victorian Quater,
Cork.

QUANTITY SURVEYORS

Kane Crowe Kavanagh
4 Princes Quay,
Tralee,
Co. Kerry.

**PROJECT SUPERVISOR
DESIGN PROCESS**

MKO Planning and Environmental Consultants
Tuam Road,
Galway.

**Scoil Realt Na Mara –
Preliminaries**

	Description	Qty	Unit	Rate	€	c
	<u>PRELIMINARIES</u>					
	<u>1.1 Project, parties and consultants</u>					
	<u>GENERALLY</u>					
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			
	<u>1.1 Project, parties and consultants</u>					
	<u>Name of project</u>					
B	The name of the Project is Extension to Scoil Realt Na Mara, Cromane Killorglin, Co. Kerry		Note			
	<u>Location of project</u>					
C	The Project is located in Scoil Realt Na Mara, Cromane Killorglin, Co. Kerry, as indicated on the Architects Site Location Map Drawing		Item			

	Description	Qty	Unit	Rate	€	c
	<u>General description of the works</u>					
A	The project comprises Decommissioning and Removal Of Existing Septic tank and installation of new WWT System, Decommissioning and Removal of Existing Oil tank and installation of new gas condensing boiler and LPG tank, Construction of new 2-Classroom Special Education Needs Unit and Associated Facilities with external Play Areas, Alteration of existing Staff Kitchen and Store to create new Link connection to new extension, Alteration of existing main entrance to create new secure Entrance Lobby with access control, Construction of new on-site staff parking, bus parking and set down provision along the public road to the front of the school and alteration of neighbouring boundary wall to improve sight lines together with all related Services and Site works at Scoil Realt na Mara, Cromane, Killorglin, County Kerry. The Gross Floor Area of the new school extension is 543m2		Note			
	<u>Name and address of the Employer</u>					
B	The 'Employer' shall mean Board of Management, Scoil Realt na Mara, Cromane Scoil Realt na Mara Cromane Killorglin Co. Kerry		Note			
	<u>Names and addresses of the Consultants</u>					
	<u>The term 'Employer's Representative' shall mean</u>					
	MRG Consulting Engineers, 4 Day Place Tralee Co. Kerry					

Description	Qty	Unit	Rate	€	c
<u>The Architect is:</u> MRG Consulting Engineers, 4 Day Place Tralee Co. Kerry <u>The Structural Engineer is:</u> Jeremy Walsh Project Management 10 Gas Terrace Tralee Co. Kerry <u>The Mechanical and Electrical Engineer is:</u> Matt O'Mahony & Associates 8 Sidney Place Victorian Quarter Cork. <u>The Quantity Surveyor is:</u> Kane Crowe Kavanagh 4 Princes Quay Tralee Co. Kerry <u>The Project Supervisor Design Process is:</u> MKO Planning and Environmental Consultants Tuam Road Galway					

	Description	Qty	Unit	Rate	€	c
	<u>The Clerk of Works is to be appointed:</u>					
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			
	<u>1.2 Description of the site</u>					
	Location					
B	The Project is located at Causeway, Scoil Realt Na Mara, Cromane Killorglin, Co. Kerry as indicated on the Architects Site Location Map		Note			
	Boundaries					
C	The boundaries of the site are as indicated on the Architects Proposed Site Layout drawing 422011-TR-01		Note			
	Access					
D	Construction traffic is to access the site from the existing public roadway as indicated on the Architects Proposed Site Layout drawing 422011-TR-01. The Contractor shall also refer to Architects Site Works phasing drawing no 422011-TR-22 for access access routes and associated changes between works phases and include for all costs associated with same. The contractor shall note existing school traffic will also be using the works/ front of the school throughout the project and include for all costs associated with management of same throughout each phase.		Item			

	Description	Qty	Unit	Rate	€	c
A	The contractor shall maintain the existing school entrances/ access points throughout the works as identified on the Architects drawings and site plan for each phase. The Contractor shall also include for all costs associated with relocation and temporary school access points throughout the works as necessary to complete the works. All necessary works and temporary signage to be included for by the contractor as required.		Item			
B	Note the contractor will have to facilitate or provide access to the temporary re-located oil tank contained within there compound area to allow access to the oil tank for refilling if necessary during the relevant phases of the works while this temporary oil supply is required and as indicated on the Architects Proposed Phasing drawing 422011-TR-22		Item			
C	Existing access is via main gate from main road. If construction traffic need to share the main access / egress point with other campus traffic then detailed Traffic Management plans need to be developed and implemented by the contractor. Please Note: Construction activities and machinery shall, where possible, avoid peak-times to reduce congestion.		Item			
D	The Contractor is required to provide a secure, control gate access point to the site.		Item			
E	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
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. Provide and maintain a full time "log in and out system" for all persons entering the works.		Item			

	Description	Qty	Unit	Rate	€	c
A	Position of the Works					
	The position of the works are indicated on the Architects Proposed Site Layout Plan Drawing Nr. 422011-TR-01		Note			
B	Adjacent and Abutting Buildings					
	Adjacent building may be seen by visiting the site and as indicated on site maps and layout plans.					
B	Existing Mains / Services					
	The location of all existing site services can be determined by examination of existing plans and investigation reports, site surveys 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			
	Site Visit					
D	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			

	Description	Qty	Unit	Rate	€	c
A	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 <u>1.3 Drawings and other documents</u> The following drawings and other documents were used to prepare the Bill of Quantities		Item			
B	The Architects, Civil and Structural Engineers and Services Engineer's Drawings and Specifications		Note			
C	The Architects, Civil and Structural Engineers and Services Engineer's Drawings and Specifications were issued for tendering purposes		Note			
D	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 <u>Addresses where drawings and other documents may be inspected</u>		item			
E	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. <u>2. CONTRACT</u> <u>2.1 Conditions of Contract</u> Form of Contract		Item			
F	The Articles of Agreement and Conditions of Contract shall be the Public Works Contract for MINOR BUILDING and CIVIL ENGINEERING WORKS designed by THE EMPLOYER which is current at the time of tendering		Item			
G	The Articles provide for the inclusion of a Bill of Quantities (otherwise known as the pricing document) as a Contract Document.		Item			

	Description	Qty	Unit	Rate	€	c
	<u>Articles</u>					
	Agreement					
A	Article 1		Item			
B	Article 2		Item			
C	Article 3		Item			
D	Article 4		Item			
E	Article 5		Item			
F	Article 5.1		Item			
G	A schedule of the clause headings of the Conditions of Contract are set out hereunder for pricing :-		Item			
	1. THE CONTRACT					
	1.1 Definitions					
	1.2 Interpretation					
	1.3 Inconsistencies					
	1.4 Pricing Document and Works Proposals					
	1.5 Performance Bond					
	1.6 (Not Used)					
	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					

Description	Qty	Unit	Rate	€	c
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 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					
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 (Not Used)					

Description	Qty	Unit	Rate	€	c
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					
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					

Description	Qty	Unit	Rate	€	c
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					
7.10 (Not Used)					
7.11 (Not Used)					
7.12 Charges					
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					

Description	Qty	Unit	Rate	€	c
9.6 Substantial Completion					
9.7 (Not Used)					
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					
10.6 Adjustments to the Contract Sum					
10.7 Delay Cost					
10.8 (Not Used)					
10.9 Employer's Claims					
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					

Description	Qty	Unit	Rate	€	c
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					
13.1 Conciliation					
13.2 Adjudication					
13.3 Arbitration					
13.4 Jurisdiction					
13.5 Agent for Service					
13.6 Continuing obligations					
14.0 Covid-19 Mandatory Closure					
14.1 Covid-19 Definations					
14.2 Covid19 General Provisions					
14.3 Covid-19 Costs					
15.0 PRICE VARIATIONS					
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					

Description	Qty	Unit	Rate	€	c
15.9 Permitted Increases and Permitted Decreases for Material Categories and Fuel Categories 15.10 Adjustments for Labour 15.11 Efficiency <u>SCHEDULE</u> 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) Material Categories					

Description	Qty	Unit	Rate	€	c
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 The Chairperson of the Board of Management Scoil Realt Na Mara, Cromane, Killorglin, Co. Kerry Details for sending other notices to the Employer are: Ms. Mary O'Connell - MRG Consulting Engineers MRG Consulting Engineers, 4 Day Place, Tralee, Co. Kerry, The Employers Representative is MRG Consulting Engineers Details for sending notices to the Employers Representative are For the attention of Ms Mary O'Connell MRG Consulting Engineers, 4 Day Place, Tralee, Co. Kerry, 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. 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					

Description	Qty	Unit	Rate	€	c
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 The Pricing Document is A Bill of Quantities to the Agreed Rules of Measurement, as amended by Supplement 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: None					

	Description	Qty	Unit	Rate	€	c
	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			
	Minimum indemnity for Public liability and Employers' liability insurance:					
C	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			
D	Employers' Liability Insurance: '€13,000,000.00' for any one event.		Item			
	Maximum excess for insurance:					
E	Insurance of Works and other Risk Items: 'The greater of 1% of the Project Value or 0.5% of the Contractors turnover'		Item			
F	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			
G	Employers' Liability: no excess		Item			

	Description	Qty	Unit	Rate	€	c
	Permitted exclusions from the insurances:					
A	War, invasion, act of foreign enemies, hostilities (whether war is declared or not), civil war, rebellion, revolution, insurrection or military or usurped power		Item			
B	Pressure waves caused by aircraft or other airbourne objects travelling at sonic or supersonic speeds		Item			
C	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			
D	Terrorism		Item			
	Permitted exclusions from insurance of the Works and other Risk Items:					
E	Use or occupation of the Works by the Employer except in connection with the Works		Item			
F	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			
G	Wear, tear, normal upkeep or normal repair or gradual deterioration		Item			
H	Inventory losses		Item			
I	Loss of use or any consequential loss of any nature including penalties for delay, non completion or non compliance		Item			
J	Failure of information technology		Item			
K	Mechanical or electrical breakdown but not resulting damage		Item			
L	Cessation of the Works for more than 3 months		Item			

	Description	Qty	Unit	Rate	€	c
	Permitted exclusions from Public liability insurance:					
A	Persons under a contract of service or apprenticeship with the insured		Item			
B	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			
C	Defective workmanship or materials but not resulting damage		Item			
D	Mechanically propelled vehicles within the meaning of the Roads Traffic Acts		Item			
E	Loss or damage due to design, but including its consequences		Item			
F	Gradual pollution or contamination		Item			
G	Territorial limits		Item			
H	Unless otherwise specified in the Works Requirements, aircraft and waterbourne craft		Item			
I	Fines, penalties, liquidated damages		Item			
	Permitted exclusions from Employers liability Insurance:					
J	Offshore work		Item			
K	Liability compulsorily insurable under the Roads Traffic Acts		Item			
	Permitted exclusions from Professional Indemnity insurance					
L	Persons under a contract of service or apprenticeship with the insured		Item			
M	Ownership, use, occupation or leasing of mobile or immobile property		Item			
N	Effecting or maintenance of insured of or in connection with the provision of finance or advice on financial matters		Item			
O	Dishonest, malicious, criminal or deliberate illegal acts		Item			

	Description	Qty	Unit	Rate	€	c
A	Libel and slander		Item			
B	Insolvency		Item			
C	Fines, penalties, liquidated damages or any penal, punitive, exemplary, non-compensatory or aggravated damages		Item			
D	Failure of information technology		Item			
E	Contractual liability that would not apply in the absence of the contract		Item			
	Optional insurance provisions:					
F	The Employer shall have the risk of loss of and damage to its existing facilities and parts of the Works it uses or occupies, in accordance with sub-clause 3.8 (Sub-clause 3.8 shall not apply.)		Item			
G	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			
H	And the minimum sum for which this property is to be insured shall be: €...Not Applicable		Item			
I	If insurance of the Works and other Risk Items is to include terrorism cover, the minimum sum insured shall be: €...0.00		Item			
J	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					
K	Building Works		Item			

	Description	Qty	Unit	Rate	€	c
A	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 €1,500,000 annual aggregate limit		Item			
B	The maximum excess shall be the greater of 2% of the Contractors annual turnover or €5,000		Item			
	E. Performance Bond					
	Sub-clause 1.5					
	A performance bond is required					
C	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					
	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:					
D	N/A		Item			
	F. (ii) Ancillary Certs					
E	Ancillary certs required for contractors personnel as listed and required by Design Team		Item			
	F. (iii) Named Specialists					
F	Non Applicable		item			

	Description	Qty	Unit	Rate	€	c
	G. Dates for Substantial Completion, Sections, liquidated damages, retention					
	Date for Substantial Completion					
A	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			
B	The Works: - 15 months		Item			
	Rate of Liquidated Damages					
C	The Works as described: €2,000.00 per week		Item			
	Reduction in Retention on Substantial Completion of Section					
D	Section: Completion of overall development: 50 %		Item			
	H. Early Completion					
	Sub-clause 9.6					
E	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					
F	The initial Defects Period is one year from the date of Substantial Completion of the Works.		Item			
	J. Random Checks for Employment Records					
G	Sub-clause 5.3.3A(2) shall be part of the contract		Item			

	Description	Qty	Unit	Rate	€	c
	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			
J	Compensation Event: Yes		Item			

	Description	Qty	Unit	Rate	€	c
	6) The Employer takes over part of the Works before Substantial Completion of the Works and any relevant Section					
A	Delay Event: Yes		Item			
B	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					
C	Delay Event: Yes		Item			
D	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					
E	Delay Event: Yes		Item			
F	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					
G	Delay Event: Yes		Item			
H	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					
I	Delay Event: Yes		Item			
J	Compensation Event: Yes		Item			
	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					
K	Delay Event: Yes		Item			

	Description	Qty	Unit	Rate	€	c
A	Compensation Event: Yes 12) Loss of or damage to the Works that is at the Contractor's risk in accordance with sub-clause 3.2		Item			
B	Delay Event: Yes		Item			
C	Compensation Event: No 13) A weather event as described below		Item			
D	Delay Event: Yes		Item			
E	Compensation Event: No 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		Item			
F	Delay Event: Yes		Item			
G	Compensation Event: No 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		Item			
H	Delay Event: Yes		Item			
I	Compensation Event: No 16) A breach by the Employer of the Contract delaying the Works that is not listed elsewhere in this table		Item			
J	Delay Event: Yes		Item			
K	Compensation Event: Yes		Item			

	Description	Qty	Unit	Rate	€	c
	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, (taking 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.					
A	Delay Event: No		Item			
B	Compensation Event: Yes		Item			
	18. An Item of archaeological interest or human remains is found on the Site, and it was unforeseeable					
C	Delay Event: Yes		Item			
D	Compensation Event: Yes		Item			
	19. The Contractor encounters on the Site unforeseeable ground conditions or man-made obstructions in the ground, other than Utilities					
E	Delay Event: Yes		Item			
F	Compensation Event: Yes		Item			
	20. The Contractor encounters unforeseeable Utilities in the ground on the Site					
G	Delay Event: Yes		Item			
H	Compensation Event: Yes		Item			

	Description	Qty	Unit	Rate	€	c
	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					
A	Delay Event: Yes		Item			
B	Compensation Event: Yes		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					
	the number of days with maximum mean 10 minute wind speed exceeding 15 meters per second as recorded at Valentia weather station					

	Description	Qty	Unit	Rate	€	c
	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 exercising authority under Law includes a Covid-19 mandatory closure In sub-clause 9.4 A The Programme Contingency is 20 Site Working Days of delay caused by Compensation Events 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 B The amount to be added for delay cost in accordance with sub-clause 10.7.1(2) the daily rate tendered by the Contractor in the Schedule, part 2D For the purposes of sub-clause 10.7		Item			
			Item			

	Description	Qty	Unit	Rate	€	c
A	For the purposes of sub-clause 10.7 , the Contractor is to tender in part 2D a single daily rate for delay costs		Item			
B	..Not Applicable ...		Item			
C	..Not Applicable ...		Item			
D	..Not Applicable ...		Item			
	(Sub-clause 10.7.1(2) applies, Contractor is to tender a single daily rate)					
	L. Payment Particulars (Clause 11)					
E	Period for interim payment is: 'monthly'		Item			
F	Minimum amount for interim payments, except release of retention, €..5,000.00..... (if none stated, there is no minimum.)		Item			
G	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			
H	.On -Site Materials 90% of Contract value		Item			
I	.On -Site Materials with Bond 90% of Contract value		Item			
J	The retention percentage is 5%		Item			
	M. Cap on Liability (Sub-clause 3.10)					
K	Subject to sub-clause 3.10.2 of the Conditions of Contract, the monetary amount of the Contractor's liability to the Employer under or arising out of this Contract shall not exceed the amount stated below		Item			
L	the contract sum		Item			
	N. Conciliation and Arbitration (Sub-clauses 13.1.2, 13.2 and 13.4)					
	Failing agreement, the conciliator will be appointed by the President of the RIAI					

	Description	Qty	Unit	Rate	€	c
A	The arbitration rules are the Capital Works Management Framework (CWMF) Arbitration Rules for use with Public Works and Construction Services Contracts (AR1) published on http://constructionprocurement.gov.ie/arbitration-rules/ on the date 10 days before the latest date for submission of the 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 The President of the RIAI The person to appoint the adjudicator, if not agreed by the parties, is The Chairperson of the Panel of Adjudicators 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. Material Categories (sub-clause 15.9.1) Table 1B (All Materials Category Only) applies <u>Bill of Quantities; Method of Measurement</u>		Item			
B	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 <u>Bill of Quantities; Format</u>		Note			
C	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			

	Description	Qty	Unit	Rate	€	c
	<u>Extension of Time</u>					
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			
	<u>Change Orders</u>					
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			

	Description	Qty	Unit	Rate	€	c
	<u>Meaning of Substantial Completion</u>					
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
	<u>Guarantee Bond</u>					
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			
	<u>V.A.T.</u>					
C	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			

	Description	Qty	Unit	Rate	€	c
	<u>2.2 Contractor's liability</u>					
A	Refer 2. Contract		note			
	<u>2.3 Employer's liability</u>					
B	Refer 2. Contract		note			
	<u>2.4 Local Authorities fees and charges</u>					
C	The Contractor shall incude for all costs associated with Local Authorities fees and charges for the Works.		Item			
D	The contractor shall pay all road opening licences associated with works on public roadway and include for all cost associated with same		Item			
	<u>2.5 Obligations and restrictions imposed by the Employer:-</u>					
	<u>2.5 a Access to and possession or use of the site</u>					
	<u>Access and possession etc</u>					
E	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			
F	Access to the existing school must be maintained at all stages throughout the works		Item			
G	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			

	Description	Qty	Unit	Rate	€	c
A	Note the contractor will have to facilitate or provide access to the temporary re-located oil tank contained within there compound area to allow access to the oil tank for refilling if necessary during the relevant phases of the works while this temporary oil supply is required.		Item			
B	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			
C	Access to and possession of the site is indicated on Architect's Proposed Phasing Drawing 422011-TR-22 for each work section. The access shall be from the existing public road to the front of the school/ site as indicated.		Item			
D	the construction will be phased. Construction access to the site will be via the main road. The contractor shall access the works 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 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 throughout the works		Item			
E	The construction programme must allow the existing school to remain in operation while the new extension is constructed.		Item			

	Description	Qty	Unit	Rate	€	c
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			
G	The contractor shall note that No Deliveries shall be allowed during school drop off and collection times. The contractor to liaise with the school and programme all deliveries to site around these times		Item			

	Description	Qty	Unit	Rate	€	c
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
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			
	<u>Access for Employer's Representative and Workshops</u>					
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			

	Description	Qty	Unit	Rate	€	c
	<u>Notice to Employer's Representative for Inspection</u>					
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			
	<u>Commencement of Work</u>					
B	Inform the Employer's Representative at least five working days before the proposed date for commencement of work on site		Item			
	<u>2.5 b Limitations of working space</u>					
	<u>Working space</u>					
C	The site boundaries are as indicated on Architects Proposed Site Plan Drawings and for each phase as per Architects Proposed Phasing drawing Nr. 422011-TR-22 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			
	<u>Parking</u>					
E	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			

	Description	Qty	Unit	Rate	€	c
A	Parking along the sides of the public roads, or outside the site boundary is strictly prohibited.		Item			
B	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			
C	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			
	<u>2.5 c Limitations of working hours</u>					
	<u>Working hours</u>					
D	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			
E	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			

	Description	Qty	Unit	Rate	€	c
A	Mon to Fri - 8am to 6.00pm		item			
B	Sat 8am - 2pm		item			
C	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			
D	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			
	<u>2.5 d The use or disposal of any material found on site</u>					
	<u>Materials etc. found on site</u>					
E	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			

	Description	Qty	Unit	Rate	€	c
	<u>2.5 e Hoardings, fences, screens, temporary roofs, temporary name boards and advertising rights</u>					
	<u>Hoardings etc.</u>					
A	The extent of the site area is clearly defined on the Architects Proposed Phasing drawing 422011-TR-22 and site layout plans for each section/ phase of the works. The contractor shall allow for construction of the hoarding for each phase and for taking down and re-erecting between each phase of the works as necessary. Ensure integrity of hoarding from unauthorized access, in particular from access by children.		Item			
B	The entire site (including builders compound) encompassing the new works is to be hoarded off from the remainder of the site.		Item			
C	Provide for secure site entry gates.		Item			
D	The entire site (including builders compound) encompassing the new works is to be hoarded off from the remainder of the site.		Item			
E	The hoarding to consist of good quality exterior grade plywood sheeting or SmartPly Site Protect OSB3 Grade or equivalent,,not less than 18mm thick and 2.4m high from existing road level and agreed surround ground level fixed securely to timber carcassing or equivalent to temporary works design by contractors designer		Item			
F	The hoarding shall Include 75 linear meters of 1hr fire rated hoarding (as per phasing plan) consisting of Double Slabbed PIR MF Panels with certification to confirm fire rating		Item			
G	All plywood hoarding or SmartPly Site Protect OSB3 or equivalent is to be painted in two coats gloss paint (one colour).		Item			

	Description	Qty	Unit	Rate	€	c
A	Should the contractor wish to incorporate additional coloured banding, signage or such like he shall do so at his own expense and only with the Employers Representative permission.		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 gated construction site access; removing from site on completion of the works and making good to all grounds and grass disturbed		Item			

	Description	Qty	Unit	Rate	€	c
	<u>Site Sign Board</u>					
A	Provide for a site sign board to take name of Employer / Project, Depaartment of Education Logo, Main Contractor, 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 2500 x 2200mm with 100 x 10mm timber posts and foundations; The sign shall be in accordance with the Architects drawings and specifications, refer to Architects drawings 422011-TR-22 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			
B	The contractor shall be responsible for temporary works design for the site sign and all associated costs		Item			
C	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			
	<u>Advertisements</u>					
D	No temporary or permanent advertisements will be permitted on the Works.		Item			

	Description	Qty	Unit	Rate	€	c
	<u>2.5 f The maintenance of existing services on or over the site</u>					
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	Any existing overhead or underground services lines. 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
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			

	Description	Qty	Unit	Rate	€	c
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	Internal service information is included in detailed site survey and site investigation information from the Design Team engineers and must be reviewed and taken account of by the PSCS. Overhead lines present on the public road used to access the site to be taken account for deliveries and access/egress to site. All necessary health and safety procedures and signage goal posts etc. to be included for by the contractor as necessary in accordance with the "Code of Practice for avoiding dangers from underground services and COP for avoiding dangers of overhead lines" to be followed.		Item			
C	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 Work near high voltage power lines.		Item			
D	Potential for work near powerlines during excavation works. There are existing underground services in the site, including electrical data, comms, drainage, water supply. Overhead diversions may be required.		Item			
E	Safe systems of work to be in place by PSCS to ensure high risk areas are identified and avoided prior to commencement.		Item			

	Description	Qty	Unit	Rate	€	c
A	Safe systems of work to be in place if working in close proximity to overhead powerlines, barriers/ warning signs in place, ensure adequate clearance when operating vehicles near overhead powerlines. If contact with a power line occurs, stop all work immediately and report the incident. PSCS to liaise with PSDP and Mech/Elec Engineer to get all available details of onsite power lines. Detail surveys and site investigation have been carried out. PSCS to confirm indicative services positions on SI themselves also before digging. <u>2.5 g The execution or completion of the work in any specific order including any coincidental work</u> <u>Order of Work/ Phasing</u> The contractor shall be required to carry out the works in accordance with the Works Sections as indicated on Architects Proposed Phasing Drawing 422011-TR-22		Item			
B	The works are to be carried out in phases to be agreed with the Contractor PSCS, PSDP and the School to incorporate switching of Services and Foul, as well as to allow for the majority of the new SEN Unit to be constructed before making the final Connection to the existing school.		Item			
C	On being granted possession of the site the Contractor shall commence and proceed with the execution of the Works in the following suggested phasing/ sequence: <u>Phase 1</u>		Item			
D	Site Set Up (Temporary Compound) And Installation of new Waste Water Treatment System.		Item			
E	Decommissioning of existing Septic Tank.		Item			
F	Temporary Relocation of existing Oil tank to supply existing Boiler.		Item			

	Description	Qty	Unit	Rate	€	c
	<u>Phase 2</u>					
A	Site Set up and Compound		Item			
B	Construction of new 2 Classroom SEN Unit and Associated facilities and external Play Areas.		Item			
C	installation of LPG Gas Tanks		Item			
D	installation of water tanks		Item			
	<u>Phase 3 - (To Be Completed During School Summer Holiday Period to allow for the existing school to operate during school times)</u>					
E	Create connection to existing school via staff Kitchen and Store room.		Item			
F	Install new Gas Condensing boiler and LPG tank and connect new and existing facility to new heating source.		Item			
G	Decommission existing Boiler and removal of oil tank.		Item			
H	Specialist contractor to remove asbestos containing materials from Boiler.		Item			
I	Remove existing Boiler.		Item			
J	Remodel existing entrance to create new Access controlled entrance lobby.		Item			
K	Connection of services to existing plant room from new plant room including associated builders works and replacement ceilings to existing corridors where required		Item			
L	Vacate compound to attend site works		Item			
M	Construction of new on-site staff parking, bus parking and set down provision along the public road to the front of the school and alteration of neighbouring boundary wall to improve sight lines and position of existing shed in new location.		Item			
N	Handover of new Extension to School.		Item			

	Description	Qty	Unit	Rate	€	c
A	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 works may be required to be substantially carried out outside of normal school terms / operational hours of the live school environment.		Item			
B	The existing vehicular and pedestrian access to the live school environment shall be maintained (and fenced off 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			
C	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			
	<u>2.5 j Temporary accommodation and facilities for use of the Employer, including heating, lighting, furnishing and attendance</u>					
D	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			
E	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			
F	Include also for the supply of tea/coffee making facilities for consumption at site meetings.		Item			

	Description	Qty	Unit	Rate	€	c
A	Provide for daily maintenance to ensure the office and toilet facilities are kept hygienic, clean and in a tidy manner. <u>2.5 k Telephones, Facsimiles and the like for the use of the Employer</u>		Item			
B	Not applicable <u>2.5 1 Provision of Project Supervisor Construction Stage</u>		Item			
C	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			
D	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			
E	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			

	Description	Qty	Unit	Rate	€	c
A	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			
B	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			
C	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 liaise 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			
D	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			

	Description	Qty	Unit	Rate	€	c
A	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			
B	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			
C	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			
D	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			

	Description	Qty	Unit	Rate	€	c
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			

	Description	Qty	Unit	Rate	€	c
A	The school is and will remain operational during the proposed works. PSCS to co-ordinate with the school to ensure site boundary, security and parking / Traffic Management Plan is agreed and ensures so far as is reasonably practicable the safety of all campus users. The school is to ensure own staff and contract staff are aware of works that will be ongoing. Asbestos		Item			
B	Asbestos containing material (ACM) has been identified in the existing Boiler room, roof slates, and soffit boards, exact locations outlined in MDK Analytical's Refurbishment and Demolition Survey Report August 2022. ACMs in the boiler room are to be removed by a competent specialist contractor prior to works commencing. The contractor shall refer to the detailed specialist Asbestos Survey for further details and requirements		Item			
C	All work involving ACMs requires a written risk assessment and a plan of work to be prepared by a competent person as per the Safety, Health and Welfare at Work (exposure to asbestos) Regulations 2006/2010. The appropriate notification to the HSA shall be issued for these works, along with a detailed site-specific method statement. Air monitoring for the asbestos removal works and asbestos clearance certification to be provided before construction works commence		Item			
D	It is not envisaged that the existing roof slates and soffit boards with ACMs will be affected during the construction works. If this changes, the Developed Safety and Health Plan should be updated and the ACMs removed by a specialist, under controlled conditions. Where asbestos containing material is concerned, the requirements of The Safety, Health and Welfare at Work (Asbestos Articles) Regulations shall apply.		Item			

	Description	Qty	Unit	Rate	€	c
	Work near high voltage power lines.					
A	Potential for work near powerlines during excavation works. There are existing underground services in the site, including electrical data, comms, drainage, water supply. Overhead diversions may be required.		Item			
B	Safe systems of work to be in place by PSCS to ensure high risk areas are identified and avoided prior to commencement.		Item			
C	Safe systems of work to be in place if working in close proximity to overhead powerlines, barriers/ warning signs in place, ensure adequate clearance when operating vehicles near overhead powerlines. If contact with a power line occurs, stop all work immediately and report the incident. PSCS to liaise with PSDP and Mech/Elec Engineer to get all available details of onsite power lines. Detail surveys and site investigation have been carried out. PSCS to confirm indicative services positions on SI themselves also before digging.		Item			
	Work on wells, underground earthworks and tunnels.					
D	Potential for works to existing sewer lines in manholes, decommissioning septic tank, and construction of new wastewater system.		Item			
E	Safe systems of work to be in place by PSCS if working in confined spaces. Only competent and adequately trained personnel to carry out work, assess and monitor gas levels in work areas, RAMS and emergency procedures developed with plan in place for evacuation / rescue reviewed by all persons involved. This type of work should not be carried out alone and adequate lines of communication should be kept open at all times throughout		Item			

	Description	Qty	Unit	Rate	€	c
	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:		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			
I	Suspended ceilings		Item			
J	Ironmongery		Item			
K	Sanitary ware		Item			

	Description	Qty	Unit	Rate	€	c
A	Fire rated hardwood and glass screens		Item			
B	Internal doors		Item			
C	Radon barrier and tanking		Item			
D	Firestopping and Fire proofing		Item			
E	Acoustic blockwork		Item			
F	All Sub Contractors shall be required to complete the CIF approved Cs Ancillary Certificate. All Sub Contractors with Design Input shall be required to complete the CIF approved Sd, Si, Sc Ancillary Certificates and shall confirm proof of Professional Indemnity Insurance. The following are the Sub Contractors with Design input:-		Item			
G	Fall Arrest System - Manufacture, Installation and Commissioning		Item			
H	Precast Concrete Floors and Stairs- Manufacture, Installation and Commissioning.		Item			
I	External Windows and Doors System - Manufacture, Installation and Commissioning.		Item			
J	Radon System - Manufacture, Installation and Commissioning		Item			
K	Lightening Protection System - Manufacture, Installation and Commissioning		Item			
L	Flat Roofing System - Manufacture, Installation and Commissioning		Item			
M	specialist on site foul water treatment system		Item			

	Description	Qty	Unit	Rate	€	c
	Designers Risk Assessment					
A	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			
B	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 to 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			
	Contractors Method Statement					
C	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			
D	a. On site and Access to the Site traffic management Plans		Item			
E	b. Liaison with School principal on daily operations/set down and pick up at the existing school		Item			
F	c. Working at height.		Item			
G	d. Hot work.		Item			
H	e. Manual handling.		Item			
I	f. Minimising the risk of slips, trips and falls		Item			

	Description	Qty	Unit	Rate	€	c
A	g. Protection measures necessary to safeguard eyesight, hearing respiratory systems, body parts.		Item			
	Materials Risk Assessments					
B	The Contractor is to provide risk assessments for all materials subject to control under the following statutory instruments applicable to construction sites.		Item			
C	a. Safety, Health and Welfare at Work (Carcinogen) Regulations 1993 S.I. No. 80.		Item			
D	b. European Communities (Protection of Workers) (Exposure to Asbestos) Regulations 1989 S.I. No. 34 - amended 1993 S.I. 276.		Item			
E	c. European Communities (Protection of Workers) (Exposure to Lead) Regulations 1988 S.I. No. 157.		Item			
F	d. European Communities (Protection of Workers) (Exposure to Noise) Regulations 1990 S.I. No. 157.		Item			
G	e. European Communities (Protection of Workers) (Exposure to Chemical, Physical and Biological Agents) Regulations 1989 S.I. No. 251.		Item			
H	f. European Communities (Classification, Packaging and Labelling of Dangerous Preparations) Regulations 1995 S.I. No. 272.		Item			
I	g. European Communities (Classification, Packaging and Labelling of Dangerous Substances) Regulations 1994 S.I. No. 77.		Item			
J	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			

	Description	Qty	Unit	Rate	€	c
	Site Rules					
A	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			
B	a. Define and maintain safe secure access to the site.		Item			
C	b. Do not impede access to the neighbouring school, residences or agricultural lands		Item			
D	c. Fence off site from unauthorised including livestock access.		Item			
E	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			
	<u>2.5 m Other obligations and restrictions imposed by the Employer:-</u>					
	<u>Site Records and Quality Procedure</u>					
F	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			
G	If no quality system is in operation the Contractor / Sub-contractor must comply with the following minimum requirements:-		Item			
H	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			

	Description	Qty	Unit	Rate	€	c
A	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			
B	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			
C	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			
D	e. Provide evidence to the ER if required of specialised training of site personnel.		Item			
E	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			
F	The Contractor is to provide fortnightly photographic records of the progress of the Works. The Contractor must issue A4 format prints for the ER's information accompanied by a key plan and the location reference, photograph number, date taken and issue date for the photograph		Item			

	Description	Qty	Unit	Rate	€	c
	<u>Covid - 19</u>					
A	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			
B	The contractor shall refer to the Preliminary Health and Safety Plan and include for all costs for complying with same		Item			
C	The contractor shall include for all costs associated with Covid-19 and the following requirements		Item			
D	(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			
E	(ii) Cleaning to the standard required in the Protocol		Item			
F	(iii) Covid-19 supervisor role(s) as necessary to meet the requirements of the Protocol		Item			
G	(iv) Covid-19 Personal Protective Equipment (PPE) to meet the requirements of the Protocol		Item			
H	(v) Social distancing to meet the requirements of the Protocol.		Item			

	Description	Qty	Unit	Rate	€	c
A	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			
B	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			
	<u>Schedule of Dilapidations</u>					
C	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			

	Description	Qty	Unit	Rate	€	c
	<u>Fire Certification and Marking</u>					
A	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			
B	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			
C	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			

	Description	Qty	Unit	Rate	€	c
	<u>Services Coordinator</u>					
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			
	<u>Specific Site Rules and Regulations</u>					
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			
	<u>Convenience of Occupants</u>					
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			

	Description	Qty	Unit	Rate	€	c
	<u>Building Regulations</u>					
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 contractor 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			
	<u>Building Control Regulations 2014</u>					
B	The contractor shall make himself aware of and satisfy all the requirement under the new building control regulations as required		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			
	<u>Coordination of tests, inspections & records</u>					
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			
G	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			

	Description	Qty	Unit	Rate	€	c
A	the Builder to provide in a timely manner all certificates and tests for materials, products and assemblies		Item			
	<u>Advance notice and time for inspections:</u>					
B	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			
C	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			
	<u>Re-Inspections/Follow up inspections</u>					
D	the minimum notice required for re-inspection of items of works not complete or requiring remedial works shall be 3 working days.		Item			
E	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			
F	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 be required by the Assigned Certifier.		Item			
G	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 be required by the Assigned Certifier.		Item			

	Description	Qty	Unit	Rate	€	c
A	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			
B	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			
	<u>Non-Conformance</u>					
C	Materials & Workmanship- contract clauses		Item			
D	Contract /Works Requirements- contract clauses		Item			
E	Missed Inspections- Ultimately they are recorded on the completed Preliminary Inspection Plan and registered with Building Control.		Item			
	<u>Builders Progress Records</u>					
F	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			
G	the Tenderers shall include in their tender costs for the provision of progress records as the works proceed		Item			
H	Method of Recording		Item			
I	Promptly provide a copy to the Assigned Certifier of all progress records and inspection records prepared by the Builder and the Ancillary Certifiers		Item			
J	At completion the Builder shall issue the AC a copy of the records prepared by the Builder and the Ancillary Certifiers.		Item			

	Description	Qty	Unit	Rate	€	c
A	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			
B	one hardcopy and/or softcopy of all records shall be issued 5 days in advance of the nominated completion date.		Item			
C	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			
D	acceptance of such records shall not constitute approval or imply that their content has been examined.		Item			
	<u>The tendering contractors shall submit the following documentation as part of their tender. Failure to do so may invalidate the tender:</u>					
E	builders Competence Assessment		Item			
F	Sub-Contractor/Specialist Competence (Ancillary Certifiers) Assessment		Item			
G	builders Method Statement		Item			
H	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			
I	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			
J	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			

	Description	Qty	Unit	Rate	€	c
A	The Assigned Certifier and Builder shall then lodge/upload the documentation onto the Building Control Authority system.		Item			
B	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			
	<u>Commencement Notice</u>					
C	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			
D	The Contractor will issue the Commencement Notice to the Local Authority after consultation with the Employer's Representative.		Item			
	<u>Tenders, Unpriced Items</u>					
E	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			
F	No Tenderer will be remunerated for any trouble or expense incurred in the preparation of his tender		Item			
G	The Bill of Quantities, hard copy, fully priced, must be submitted at the time of tendering.		Item			
H	The lowest or any tender will not necessarily be accepted		Item			
I	Costs for items which are not priced shall be deemed to be included in other priced items in the Bill of Quantities		Item			
J	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			

	Description	Qty	Unit	Rate	€	c
	<u>Customs Duties</u>					
A	The Contractor will be deemed to have included in his tender for all Customs and other duties legally payable at the Designated Date.		Item			
	<u>Special conditions</u>					
B	1. Tenderers shall submit, with their tenders, proof of current insurance cover.		Item			
C	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			
D	3. Tenderers shall submit, with their tenders, a detailed Curriculum Vitae of the Site Manager whom they propose to use on the project.		Item			
E	4. Tenderers shall submit, with their tenders, a tender programme showing all work activities up to the period of Substantial Completion.		Item			
F	5. Tenderers will be deemed to be using those products given as examples in the specification where not otherwise stated.		Item			

	Description	Qty	Unit	Rate	€	c
	<u>Programme of Work</u>					
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			
	<u>Tax Clearance Certificate:</u>					
B	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			
C	In the case of a non-resident, a statement from the Revenue Commissioners will be required		Item			
D	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			
	<u>Trade Names</u>					
E	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			

	Description	Qty	Unit	Rate	€	c
A	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. Notwithstanding 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. <u>Connections to Public mains</u>		Item			
B	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 <u>Deliveries</u>		Item			
C	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. <u>Project Photographs</u>		Item			
D	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			

	Description	Qty	Unit	Rate	€	c
	<u>Fire Protection Photographic Log</u>					
A	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			
B	Inspect & photograph each and every element of fire protection during construction:		Item			
C	Provide a detailed report and photographic log upon completion with interim reports at each fortnightly site meeting.		Item			
D	Provide Cs Cert for the supply & installation of the fire stopping.		Item			
	<u>Wall ties Photographic Log</u>					
E	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			
	<u>Levels</u>					
F	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			
G	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			
H	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			

	Description	Qty	Unit	Rate	€	c
	<u>Works beyond the Boundary of the Site</u>					
A	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			
B	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			
C	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			
	<u>Convenience of Others</u>					
D	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			
	<u>Employer's Representative Inspection</u>					
E	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			
F	Approval given at such inspection will not relieve the Contractor from full responsibility for the quality of the work throughout		Item			

	Description	Qty	Unit	Rate	€	c
	<u>Progress meetings</u>					
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			
	<u>Records</u>					
	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			
	<u>Protection of Adjoining Property</u>					
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			

	Description	Qty	Unit	Rate	€	c
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 necessary 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			
	<u>Works after Substantial Completion</u>					
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			
	<u>Programme, Bar Chart</u>					
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			

	Description	Qty	Unit	Rate	€	c
	<u>Programme Updating</u>					
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			
	<u>Method Statement</u>					
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			

	Description	Qty	Unit	Rate	€	c
	<u>Setting Out</u>					
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			
	<u>Notice of Completion</u>					
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			
	<u>Notice to the Quantity Surveyor</u>					
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
	<u>Pipe course</u>					
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			
	<u>Materials and Workmanship</u>					
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
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. Samples		Item			
B	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. <u>Sample Room</u>		Item			
C	1 No pressure test followed by 1 No smoke test.		Item			
D	It is not possible to run a proper airtightness test on a single room as there will be no air seal boundary between the room and adjacent internal spaces.		Item			
E	This pressure test is to be a negative test drawing air into the room from all sides.		Item			
F	Air intake/leaks along the external wall, floor and service points can be established thereby facilitating improved sealing of the building as it is finished out. <u>Submission of Samples</u>		Item			
G	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			

	Description	Qty	Unit	Rate	€	c
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			

A

Description	Qty	Unit	Rate	€	c
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			

	Description	Qty	Unit	Rate	€	c
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			
D	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			

	Description	Qty	Unit	Rate	€	c
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.		Item			
B	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			
C	Transportation, handling and storage of materials and prefabricated items shall be controlled to prevent mis-use, damage or deterioration.		Item			
D	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			
E	Works test certificate shall include, whenever applicable, the location in the works or the delivery or batch which the sample represents.		Item			
	<u>Submissions for acceptance of approval</u>					
F	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			
G	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			

	Description	Qty	Unit	Rate	€	c
	<u>Co-ordination</u>					
A	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			
B	The Contractor shall obtain approval for the size and position of any hole, chase, insert or fixing required before the related work begins.		Item			
	<u>Standard Tests</u>					
C	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			
D	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			
	<u>Special Testing</u>					
E	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			

	Description	Qty	Unit	Rate	€	c
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. 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			
F	All other infra red photography at the main contractors expense.		Note			

	Description	Qty	Unit	Rate	€	c
A	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					
B	The contractor shall employ a recognised specialist to carry out a thermographic survey of the completed building tassess the following:		Item			
C	Thermal bridging of building components		Item			
D	Potential water ingress intthe building		Item			
E	Potential Air Leakage & heat loss investigation		Item			
F	Potential insulation defects within glazing systems		Item			
G	Proof of Continuity of the insulation throughout the building		Item			

	Description	Qty	Unit	Rate	€	c
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			
	Acoustic Commissioning Testing					
D	Provide for Airborne Sound Insulation, Impact Sound Insulation, Reverberation Time and Indoor Noise Tests as specified in the Works Requirements		Item			

	Description	Qty	Unit	Rate	€	c
	Radon Membrane Inspection and Integrity Testing					
A	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			
B	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			

	Description	Qty	Unit	Rate	€	c
A	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. <u>Testing</u>		Item			
B	Allow for testing the whole of the works during the duration of the Contract and clean down and leave perfect on completion.		Item			
C	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. <u>Products</u>		Item			
D	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			
E	Tenderers will be deemed to be using those products given as examples in the specification where not otherwise stated		Item			

	Description	Qty	Unit	Rate	€	c
	<u>Certificate of Standard</u>					
A	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			
B	Where possible Irish materials must be used.		Item			
C	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			
D	Materials for the works shall be of Irish Manufacture wherever such is available		Item			
E	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			
F	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			

	Description	Qty	Unit	Rate	€	c
	<u>Approvals</u>					
A	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			
B	"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			
C	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. Where a substitution is proposed, at the time of proposing the substitution, the Contractor must confirm that, they will certify the following:		Item			
D	all the works have been constructed with proper materials and in a workmanlike manner		Item			

	Description	Qty	Unit	Rate	€	c
A	all the works have been constructed in accordance with manufacturers' recommendations		Item			
B	all the materials /products/systems have been installed in accordance with relevant Agreement Certificate, or other appropriate standards listed in TGDs, so that the installation complies with the tested standard for the relevant material/product/system		Item			
C	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			
D	the Contractor has supervised all construction activity on site.		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 agreement cert, insurance backed guarantee or warranty. detailed specifications, fire test certificates where applicable, brochure and other means of proof compliance. Notwithstanding 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			
	<u>High Alumina Cement</u>					
F	Under no conditions whatsoever is concrete containing high alumina cement to be used in any part of the work.		Note			

	Description	Qty	Unit	Rate	€	c
	<u>Ordering of Materials</u>					
A	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			
	<u>Removal of Improper Work and Materials</u>					
	The Employer's Representative shall have the power to order during progress of the Works :-					
B	(a) Removal from the site of any materials which in his opinion are not in accordance with the Contract.		Item			
C	(b) Substitution of proper materials		Item			
D	(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			
	<u>Procurement of Materials</u>					
E	The Contractor is to allow adequate time to source materials, taking into account the requirement to obtain any necessary licenses.		Item			
	<u>Certificate of Standards</u>					
F	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			
	<u>Technical Support</u>					
G	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			

	Description	Qty	Unit	Rate	€	c
	<u>Vesting Certificates</u>					
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			
	<u>Patent Rights and Royalties</u>					
B	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			

	Description	Qty	Unit	Rate	€	c
	<u>"Or equivalent" in relation to proprietary item or specified element of the works</u>					
A	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			
B	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			
	<u>Measurements</u>					
C	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			

	Description	Qty	Unit	Rate	€	c
	<u>Sub-Contractors / Suppliers - Design and Production Information</u>					
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 <u>All statutory obligations</u>		Item			
B	The Contractor shall comply in all respects with all statutory obligations or regulations in carrying out the works.		Item			
T71101 Scoil Realt na Mara					To Collection €	
Pricing Document						
August 2026						
BQ/100						

	Description	Qty	Unit	Rate	€	c
	<u>Clearance of Site</u>					
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 perfectly clean and in a workmanlike condition to the satisfaction of the Employer's Representative.		Item			
	<u>Sub-Letting</u>					
B	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			
C	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 :-					
D	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			
E	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			
F	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			

	Description	Qty	Unit	Rate	€	c
A	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. <u>3. Work by Novated Specialists, Specialists, Work by Utility Providers and Work by Others Engaged Directly by the Employer</u> 3.1 Work by Novated Specialists and other Specialists No elements will be tendered as Reserved Specialists: <u>3.2 Work by Utility Providers</u> <u>Eircom and others' Fittings or Equipment</u>		Item			
B	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. <u>Access for Eircom and Others to site</u>		Item			
C	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			
D	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			

	Description	Qty	Unit	Rate	€	c
	<u>Inspection for Local Authority Officers</u>					
A	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			
	<u>3.3 Work by others engaged directly by the Employer</u>					
	Other Work on the Site to be Carried out Concurrent with the Works by the Employer's Personnel or Others.					
B	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			
C	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			
D	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			

	Description	Qty	Unit	Rate	€	c
A	Facilitate delivery of IT equipment as supplied by the Employer and its commissioning prior to Substantial Completion		Item			
B	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			
C	Facilitate the Artist completing the % for art, and provide access to the works as required		Item			
D	Facilitate the delivery and installation of outdoor play equipment.		Item			
E	The Contractor is responsible for ensuring their insurances include for the above items and cover all Employer's Personnel, including those indicated above.		Item			
	<u>4. General facilities and obligations</u>					
	<u>4. a Supervision and co-ordination of the works</u>					
	<u>Contracts Manager</u>					
F	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			

	Description	Qty	Unit	Rate	€	c
	<u>Site Manager</u>					
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			

	Description	Qty	Unit	Rate	€	c
	<u>Workpeople Generally</u>					
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			
	<u>4. b Plant, tools and vehicles</u>					
	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			

	Description	Qty	Unit	Rate	€	c
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			
	<u>4. c Scaffolding</u>					
	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			
H	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			

	Description	Qty	Unit	Rate	€	c
	<u>4. d Site Administration including the provision and keeping of all statutory records</u>					
	Site Administration					
A	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			
B	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			
	<u>4. e Security and provision of clearly identifiable site perimeters and surroundings</u>					
	Site Security					
C	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					
D	Site perimeters and local surroundings are shown on Architects Proposed Site Layout drawing no.422011-TR-01		item			
	<u>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</u>					
E	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			
	<u>4. g Transport for workpeople</u>					
	Transport					

	Description	Qty	Unit	Rate	€	c
A	Provide for obtaining an adequate labour force for the works and include for transporting workpeople to and from the site if necessary. <u>4. h Protecting the works from inclement weather</u> Protecting the Works		Item			
B	Protect the works, materials and plant from the weather and make good any damage caused. <u>4. i Water for the works</u> Water		Item			
C	Provide an adequate supply of clean fresh water for the works and pay all charges. <u>4. j Temporary lighting and power for the works</u> Temporary lighting and power		Item			
D	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. <u>4. k Temporary roads, hardstandings, crossings and similar items</u> Temporary roads, hardstandings, crossings and similar items		Item			
E	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			

	Description	Qty	Unit	Rate	€	c
A	The contractor shall include for the installation of temporary access roads and associated footpaths to the school as necessary to maintain the school traffic and access during each works section as indicated on Architects Proposed Phasing drawing 422011-ST2-22. 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. <u>4. 1 Temporary accommodation for the use of the Contractor</u>		Item			
B	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. Site Compound		Item			
C	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			
D	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			
E	Thoroughly clean area used for the compound, make good and leave in unimpaired condition on Substantial Completion of the Works.		Item			

	Description	Qty	Unit	Rate	€	c
A	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			
B	A meeting room with furniture for 15 persons to be permanently available for the Design Team and for site meetings.		Item			
C	Provide a suitable site office fully equipped with table, chairs, internets etc. for the sole use of the Clerk of Works		Item			
	<u>4. m Temporary storage areas including suitable and separate storage for dangerous materials or substances</u>					
	Temporary storage facilities					
D	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			
E	Stores for cement and plaster are to be watertight and are to have raised floors to the approval of the Employer's Representative		Item			
F	The Contractor's and subcontractors storage huts and the like are to be positioned within the site.		Item			
G	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			
	<u>4. n Temporary telephones for the use of the Contractor</u>					
	Telephones and Facsimile					

	Description	Qty	Unit	Rate	€	c
A	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			
	<u>4. o Traffic regulations</u>					
	Traffic regulations and management					
B	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			
C	The Contractor shall ascertain and provide for complying with all traffic regulations and Garda regulations affecting the execution of the works.		Item			
D	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			
E	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			
F	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			

	Description	Qty	Unit	Rate	€	c
	Traffic Management Plan					
A	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 Traffic Management 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			
B	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			
	<u>4. p Welfare facilities for work people to be in compliance with fourth schedule of the Safety Health and Welfare at Work (Construction) Regulations</u>					
C	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			
	<u>Toilet Facilities, Wash Rooms and the like</u>					
D	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			

	Description	Qty	Unit	Rate	€	c
	<u>4. q Safety Health and Welfare at Work provisions including items for the following:-</u> <u>1. The operation of the requirements of the Safe Pass and Constructions Skills Certificates Schemes</u> A The Contractor shall comply in all respects with the operation of the 'Safe Pass' and 'Construction Skills Certificates' schemes <u>2. Safety Officers and all safety supervisors, first aiders, inspectors and certifiers required</u> B 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. C The Contractor shall provide everything necessary to comply in all respects with the requirements of the Health and Safety Inspectors and Certifiers. <u>3. Tests and certificates on plant and equipment</u> D The Contractor shall include for providing all tests and certificates necessary for plant and equipment operating on the site. <u>4. Safety signs and signals</u> E 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			
			Item			
			Item			
			Item			
			Item			

	Description	Qty	Unit	Rate	€	c
	<u>5. Provision of Personal Protective Clothing and Personal Protective Equipment</u>					
A	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			
B	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			
	<u>6. Provision and maintenance of Emergency routes and exits and designated personnel responsible for emergency procedures</u>					
C	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			
	<u>7. Energy distribution installations</u>					
D	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			
	<u>8. Temporary Fire detection and fire fighting systems</u>					
E	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			

	Description	Qty	Unit	Rate	€	c
	<u>9. Maintenance of appropriate working conditions and work stations</u>					
A	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			
	<u>10. Provision and maintenance of on site traffic routes</u>					
B	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			
	<u>11. Provision of first aid equipment and first aid room as appropriate</u>					
C	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			
	<u>Safety, health and welfare of workpeople</u>					
D	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			
E	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			

	Description	Qty	Unit	Rate	€	c
A	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			
B	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			
C	The Contractor shall complete and return with his tender an official Competence Assessment Form.		Item			
D	Further information about safety requirements may be obtained from the National Authority for Occupational Safety and Health		Note			
E	The Contractor shall include for procuring all necessary, "As built" drawings for inclusion in the safety files		Item			
	<u>4. r Disbursements arising from the employment of workpeople</u>					
	Provide for all costs in respect of labour including costs of, for example					
F	Social Welfare Acts		Item			
G	Conditions of Employment Acts		Item			
H	Insurance (Intermittent Employment) Act		Item			
I	Holiday (Employees) Act		Item			
J	Redundancy Payments Acts		Item			
K	Industrial Training Acts		Item			
L	Factories Act, Building (Safety, Health and Welfare) Regulations		Item			
M	Travelling Time, Expenses, Fares & Transport		Item			
N	Guaranteed Time		Item			

	Description	Qty	Unit	Rate	€	c
A	Non-Productive Overtime and Other		Item			
B	Expenses in connection with Overtime		Item			
C	Incentive and Bonus Payments		Item			
D	Sick Pay Disbursement		Item			
E	Country Money		Item			
F	Pensions		Item			
G	etc.		Item			
	<u>Trade Union Membership, Pension Fund</u>					
H	All workers employed by the Contractor and his sub-contractors shall be members of a recognised Trade Union.		Item			
I	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			
	<u>4. s Maintenance of public and private roads</u>					
J	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			
K	Take adequate precautions to protect persons and property from damage or nuisance caused by water, smoke, dust, rubbish and otherwise.		Item			
L	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			

	Description	Qty	Unit	Rate	€	c
	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			
	<u>4. t Removing rubbish, protective casings and coverings and cleaning the works on completion</u>					
	<u>Removing rubbish etc.</u>					
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			
E	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			

	Description	Qty	Unit	Rate	€	c
A	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			
B	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			
C	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			
D	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			
	<u>Clearance of Site</u>					
E	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			

	Description	Qty	Unit	Rate	€	c
	<u>4. u Compliance with Waste Management statutory obligations</u>					
	<u>Construction and Waste Levy</u>					
A	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			
B	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			
C	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			
D	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			

	Description	Qty	Unit	Rate	€	c
A	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			
B	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			
	<u>Construction and Demolition Resource Management Plans (RWMP)</u>					
C	Prior to commencement the Contractor shall prepare a Construction and Demolition Resource Management Plan as set out in the Best Practice Guidelines for the preparation of Resource and Waste Management Plans for C&D projects (EPA, 2021) or any amending or replacement guidelines, including demonstration of proposals to adhere to best practice and protocols. The RWMP shall include specific proposals as to how the RWMP will be measured and monitored for effectiveness; these details shall be placed on the file and retained as part of public record. The RWMP shall be submitted to the Planning Authority prior to commencement of the development. All records (including for waste and resources) pursuant to the RWMP shall be made available for inspection on request by Kerry County Council at the site office at all times.		Item			
	<u>Environmental Protection</u>					
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			

	Description	Qty	Unit	Rate	€	c
A	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			
B	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			
C	Dust deposition shall not exceed 340 mg/m ³ /day beyond the boundary of the site.		Item			
D	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			
E	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			
F	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			
	<u>4. v Drying of the works</u>					
	<u>Drying out</u>					
G	Dry out the works as required to facilitate progress and to prevent damage to or deterioration of the works		Item			
H	Control humidity as required to facilitate progress and to prevent damage to or deterioration of the works		Item			
I	The permanent heating installation may not be used for drying out the works		Item			

	Description	Qty	Unit	Rate	€	c
	<u>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</u>					
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			
	<u>4. x Control of noise, pollution and compliance with statutory obligations</u>					
	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			
	<u>4. y Protection of the works</u>					
	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			

	Description	Qty	Unit	Rate	€	c
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			

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					

Description	Qty	Unit	Rate	€	c
COLLECTION					
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					
Page No. BQ/34					
Page No. BQ/35					
Page No. BQ/36					
Page No. BQ/37					
Page No. BQ/38					
Page No. BQ/39					
Page No. BQ/40					
Page No. BQ/41					
Page No. BQ/42					
Page No. BQ/43					
Page No. BQ/44					
Page No. BQ/45					
Page No. BQ/46					
Page No. BQ/47					
Page No. BQ/48					

Description	Qty	Unit	Rate	€	c
COLLECTION					
Page No. BQ/49					
Page No. BQ/50					
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Page No. BQ/67					
Page No. BQ/68					
Page No. BQ/69					
Page No. BQ/70					
Page No. BQ/71					
Page No. BQ/72					

Description	Qty	Unit	Rate	€	c
COLLECTION					
Page No. BQ/73					
Page No. BQ/74					
Page No. BQ/75					
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Page No. BQ/91					
Page No. BQ/92					
Page No. BQ/93					
Page No. BQ/94					
Page No. BQ/95					
Page No. BQ/96					

Description	Qty	Unit	Rate	€	c
COLLECTION					
Page No. BQ/97					
Page No. BQ/98					
Page No. BQ/99					
Page No. BQ/100					
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Page No. BQ/102					
Page No. BQ/103					
Page No. BQ/104					
Page No. BQ/105					
Page No. BQ/106					
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Page No. BQ/108					
Page No. BQ/109					
Page No. BQ/110					
Page No. BQ/111					
Page No. BQ/112					
Page No. BQ/113					
Page No. BQ/114					
Page No. BQ/115					
Page No. BQ/116					
Page No. BQ/117					
Page No. BQ/118					
Page No. BQ/119					
Page No. BQ/120					

Scoil Realt Na Mara –
School Building & Siteworks

	Description	Qty	Unit	Rate	€	c
	<u>INFORMATION</u>					
A	1. 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	2. The Contractor shall refer to the Drawings and Specifications included in the Works Requirements, Volume A		NOTE			
C	The Contractor is required to visit the site and ascertain the nature of works involved in this Demolition & Alterations section. No charge for extra labour, plant or material will be allowed in consequence of the Contractors failure to do this		NOTE			
D	Demolition to be carried out in accordance with Engineers specifications and instructions, please refer to Engineers Demolition Specification		NOTE			
E	The Contractor is to provide for all necessary hoardings as provided for in the Preliminaries section		ITEM			
F	The Contractor is to include for all temporary 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			
G	All necessary Electrical & Mechanical disconnections are to be carried out by Mechanical & Electrical Sub-Contractors prior to the commencement of demolition works		item			
H	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			

	Description	Qty	Unit	Rate	€	c
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			
E	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			

	Description	Qty	Unit	Rate	€	c
A	All demolition works shall be carried out in compliance with the following: BS 6187 Code of practice for demolition, BS 8000 Workmanship, BS 8004 Code of Practice for foundations, GS 29/2 Health and Safety in Demolition Work Part 2 - Legislation, GS 29/3 Health and Safety in Demolition Work Part 3 - Techniques, GS 29/4 Health and Safety in Demolition Work Part 4 - Health Hazards.		note			
B	The current safety health and welfare at work (construction) regulations avoidance of nuisance: Demolition is to be carried out in such a manner as to cause as little inconvenience as possible to the operation of the school, debris is to be kept well watered during the works to prevent dust rising.		note			
C	Contractor to agree programme of demolition works with employer.		note			
D	All demolition works and site clearance materials to be removed from site.		note			
E	Contractor to allow for site compound, welfare and construction parking within construction site boundary as well as temporary utilities provisions. No access or construction parking is allowed outside of the construction site. No parking allowed on the main road		note			
	<u>PHASING</u>					
F	The contractor shall note the phasing of the works. Please refer to Architects, Structural and Services Engineers phasing drawings for further details and requirements. The contractor shall include for all costs associated with completing the works on a phased basis		Item			
	<u>Demolition</u>					
	General					
	Existing services					

	Description	Qty	Unit	Rate	€	c
A	allow for locating and making safe all existing services as required to facilitate undertaking the works in the existing building; strip out mechanical and electrical services as necessary; refer to Design Team drawings and specifications for further details on services strip out		item			
B	allow for removal of all mechanical pipework, radiators and other fittings to existing buildings		item			
	<u>Removing and dispose of following asbestos materials as per MKO reports</u>					
C	removal & disposal of asbestos containing gaskets were found in the boiler room (refer to specialist report for further details); all works in accordance with drawings and specifications and current regulations	2	nr			
D	removal & disposal of asbestos containing rope seals to boilers were found in the boiler room (refer to specialist report for further details); all works in accordance with drawings and specifications and current regulations	4	nr			
E	removal & disposal of asbestos containing burner pads were found in the boiler room (refer to specialist report for further details); all works in accordance with drawings and specifications and current regulations	1	nr			
	<u>Demolishing Parts of Individual Structures</u>					
	<u>Internal wall demolition; 100mm thick; down to floor level; demolish and remove off site, ground floor slab to be made good; facing up/making good plastered blockwork in flank walls</u>					
F	100mm thick blockwork wall; 3300mm high x 2000mm long; (Wall between Kitchen / Corridor); as per Architects drawing TR-21		item			

	Description	Qty	Unit	Rate	€	c
A	external wall; precast concrete/masonry cavity wall 300mm thick; demolition area 30m2; demolish to 300mm below ground level; remove off-site; to create new connection to SEN unit, as per Architects drawing TR-21		item			
B	external wall; precast concrete/masonry cavity wall 350mm thick; demolition area 7m2; demolish to 300mm below ground level; remove off-site; to create new connection to SEN unit, as per Architects drawing TR-21		item			
	<u>Making good remaining structures</u>					
C	make good finishes; generally		Item			
	<u>Supporting of existing roof structure</u>					
D	include for any required temporary propping of the existing roof structure for the duration of the demolition works, providing and erecting, maintaining for required duration & removal on completion of required demolition works; include for adapting temporary supports when required		Item			
	<u>Temporary Screens</u>					
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			
	<u>Temporary Roofs</u>					
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			

	Description	Qty	Unit	Rate	€	c
	<u>ALTERATIONS</u>					
	Cutting					
	Openings or recesses in existing structure					
A	Carefully saw cutting existing blockwork wall to form new opening in existing cavity blockwork external walls to provide for new window opening to proposed secretary's office; wall solid construction, 300mm thick; allow for forming new opening 1550 x 1500mm high; allow for needle propping and inserting lintels (new lintels measured elsewhere) and supports as necessary; dispose of material off site; allow for all making good to works disturbed on completion and finishes	1	nr			
B	forming holes for padstones	3	nr			
	Removing finishes					
	<u>Carefully remove and disposal of existing floor covering to include; underlay: glues, grout: all types of adhesives; trims; floor boxes and all associated works: to include preparing the floor to receive new floor finishes with and including levelling screeds, finishes and structure; refer to Architects drawing</u>					
	Removing; finishes					
C	Removing; existing floor finishes; grinding & levelling screed; (works in existing building)	36	m2			
D	suspended ceilings; (works in existing building)	83	m2			
	Removing fixtures and fittings; dispose off site unless stated otherwise; make good structure and finishes disturbed; as per Architects drawing TR-21					
	Removing, existing internal single doors and frames					
E	fittings and fixtures; 910 x 2100mm high door and associated frameset; (Staff room); (works in existing building)	2	nr			

	Description	Qty	Unit	Rate	€	c
A	fittings and fixtures; 910 x 2100mm high doors and associated frameset; (Store room); (works in existing building)	1	nr			
B	fittings and fixtures; 910 x 2100mm high doors and associated frameset; (Kitchen Door); (works in existing building)	1	nr			
	Removing; existing external doors and frames; dispose off site unless stated otherwise; make good structure and finishes disturbed; as per Architects drawing TR-21					
C	fittings and fixtures; 900 x 2100mm high doors and associated frameset; (works in existing building)	1	nr			
D	fittings and fixtures; 1950 x 2700mm high door with associated sidelights and frameset; (works in existing building)	1	nr			
	Existing existing windows; dispose off site unless stated otherwise; make good structure and finishes disturbed; as per Architects drawing TR-21					
	Removing;					
E	fittings and fixtures; 800 x 1500mm window; (Kitchen); (works in existing building)	1	nr			
F	fittings and fixtures; 800 x 1500mm window; (PE Hall); (works in existing building)	1	nr			
	Building up					
	<u>Blocking up door ope (door removal measured elsewhere); include for all temporary supports as necessary; wall build up to match existing wall; 225mm thick concrete/masonry wall; as per Architects drawing TR-21</u>					
	Openings in existing structures					
G	1050mm wide x 2100mm high; (existing staff room); (works in existing building)	1	nr			

	Description	Qty	Unit	Rate	€	c
	<u>Blocking up window ope (window removal measured elsewhere) include for all temporary supports as necessary; wall build up to match existing wall; 300mm thick concrete/masonry wall; as per Architects drawing TR-21</u> Openings in existing structures					
A	800m wide x 1500mm high; (PE Hall & Existing Kitchen) Removing fixtures and fittings; dispose off site unless stated otherwise; as per Architects drawing <u>Hacking off existing external dash render; include for disposing off site and making good damages on completion of the works; all structures and existing finishes damaged on completion of the works to be made good at contractors own expense</u> Removing;	2	nr			
B	existing render finish (SEN office)	13	m2			
C	existing render finish (staff room)	34	m2			

	Description	Qty	Unit	Rate	€	c
	<u>INFORMATION</u>					
A	1. The Contractor is advised that the Architect's drawings, Schedule of Works and Specifications (Works Requirements) are all complementary to each other and should be read in conjunction with one another		Note			
B	2. The contractor shall note the fill levels required and excavation required in stone filling		Note			
C	3. The Contractor shall note the invert levels for the drainage. The Contractor shall include for casting in drainage as necessary to foundations as necessary to complete drainage under floor slab; The contractor shall allow for casting in all services as necessary; all in accordance with Engineers drawings and specifications		Item			
	<u>GENERAL - RADON TESTING</u>					
D	Contractor to allow for the testing of the integrity of all radon barriers by a specialist independent third party. Testing to be carried out on completion of the radon barrier and sump installation and prior to the covering up. Methodology to be used is the injection of highly visible non-toxic tracer smoke to the underside of the radon barrier under pressure. No degree of visible smoke leakage through the barrier is considered acceptable.		Item			
	<u>EXCAVATION AND EARTHWORK</u>					
	<u>EXCAVATION</u>					
	<u>Excavation</u>					
	Reduced levels; depth					
E	< or = 2.00m	333	m3			
	Foundation trenches; depth					
F	< or = 2.00m	83	m3			
G	< or = 2.00m (bulk filling)	14	m3			
	Isolated Pits (2 Nr.)					

	Description	Qty	Unit	Rate	€	c
A	< or = 2.00m	3	m3			
	Extra on excavation items for					
B	breaking up existing; rock	26	m3			
C	being next to existing buildings	11	m2			
D	around existing services in work area and protecting as required; allow for sleeving through new walls as required; refer to engineers drawings and existing services on site in work area		item			
	Disposal					
E	surface water		item			
F	ground water		item			
G	excavated material; off site	419	m3			
H	excavated material; off site (rock)	26	m3			
I	excavated material; off site (bulk filling)	14	m3			
	<u>Imported gas permeable stone filling; in accordance with SR 21:2004 to Annex E - Table E1 and NRA 600 "T1 Permeable" (0-40mm) stone filling; compacted in layers not exceeding 225mm thick; all as specified and compacted in accordance with Engineere's Specification; refer to Engineer's drawings and specification for further details on imported fill requirements</u>					
J	to excavations; average thickness < or 250mm	79	m3			

	Description	Qty	Unit	Rate	€	c
A	Imported stone filling; Sub base in accordance with SR 21:2004 to Annex E - Table E1 and NRA 600 Material "T2 Permeable" (4/40) stone filling; compacted in layers not exceeding 200mm thick; all as specified and compacted in accordance with Engineers specification; refer to Engineers drawings and specification for further details on imported fill requirements to excavations; average thickness < or 250mm	106	m3			
B	Imported filling; in accordance with SR 21:2004 to Annex E - Table E1 and NRA 600 "T3 Blind" aggregate blinding; all as specified and compacted in accordance with Engineer's specification; refer to Engineer's drawings and specification for further details on imported fill requirements 50mm thick CONCRETE WORK IN-SITU CONCRETE C12/15 Lean concrete blinding; all in accordance with the Engineers drawings and specification Bulk Filling	569	m2			
C	generally Insitu concrete; grade C28/35; maximum aggregate size 20mm and minimum cement content 325kg/m3; 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	14	m3			
D	poured on or against unblinded hardcore Foundations; columns (2 nr.)	63	m3			
E	poured on or against unblinded hardcore	2	m3			

	Description	Qty	Unit	Rate	€	c
A	Reinforced in-situ concrete; cement combination comprising 50% GGBS and 65% CEM II/A to be used; grade C28/35; Exposure Class XC1; minimum cement content 300kg/cu.m.; maximum water/ cement ration: 0.50; aggregate size 20mm but 10mm for structural screeds; including fibremesh to BS EN 14889-1, carbon steel, flat end, tensile strength 1150 N/mm2; size 50mm; addition rate minimum: 40kg/cu.m; all in accordance with Engineer's drawings and specifications; vibrated					
	Beds					
	< or = 150mm	81	m3			
B	Reinforced in-situ concrete; cement combination comprising 50% GGBS and 65% CEM II/A to be used; grade C28/35; Exposure Class XC1; minimum cement content 300kg/cu.m.; maximum water/ cement ration: 0.50; aggregate size 20mm but 10mm for structural screeds; including fibremesh to BS EN 14889-1, carbon steel, flat end, tensile strength 1150 N/mm2; size 50mm; addition rate minimum: 40kg/cu.m; all in accordance with Engineer's drawings and specifications; vibrated					
	Columns					
	cross-sectional area < or = 0.10m	1	m3			
C	SUNDRIES					
	Designed joints; construction joints; 5 x 50mm saw cut within 36 hours; sealed surface groove with polysulphide sealer or equivalent; all in accordance with Engineers specification and drawings					
	Construction joints					
	in concrete, depth 150 - 300mm; in slab	87	m			
	Designed joints; construction joints; 5 x 50mm saw cut within 36 hours; sealed surface groove with polysulphide sealer or equivalent; all in accordance with Engineers specification and drawings					
	Construction joints					

	Description	Qty	Unit	Rate	€	c
A	in concrete, depth 150 - 300mm; in screed <u>Dowelled Joint; 4 Nr 12mm diameter dowel bars; chemically anchored, with "Hilti" HY 150mm resin (min 200mm embedment) into existing foundation and lapped min 400mm with A393 mesh to new foundation; dowel bar ends to be sawn smooth; include for drilling hole in existing reinforced concrete foundations 300mm deep; refer to Engineer's drawing for further details</u> Joint between new and existing foundations	87	m			
B	generally 750mm wide	2	nr			
C	generally 1050mm wide <u>Dowelled Joint; 12mm diameter dowel bars; 600mm long at 300mm centres; debonded over half the length; "Hilti" H/F HY injection mortar; dowel bar ends to be sawn smooth; include for drilling hole in existing reinforced concrete floors 300mm deep; making good to existing floor slab as required; refer to Engineer's drawing for further details</u> Joint between new and existing floor slab	2	nr			
D	generally Surface finishes; to B.S. 8204 Part 2, 1987	17	m			
E	power floating REINFORCEMENT <u>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</u> Bar; straight or bent	527	m2			
F	12-25mm diameter Links	0.60	t			
G	< or = 12mm diameter	0.06	t			

	Description	Qty	Unit	Rate	€	c
	<u>Reinforcement; fabric; BS4483; hard drawn plain round steel, welded; 500mm end and side laps as specified (no allowance in measurement for lapping); all in accordance with Engineers drawings and recommendations</u>					
	Fabric					
A	horizontal; reference A142 (floor)	527	m2			
B	horizontal; reference A393 (foundations)	209	m2			
	FORMWORK					
	<u>Basic finish; all in accordance with the Engineer's drawings and specifications</u>					
	Sides of foundations					
C	height > 250 < or = 500mm	515	m			
	Kickers					
D	columns; rectangular	2	nr			
	<u>Plain finish; all in accordance with the Engineer's drawings and specifications</u>					
	Edges of beds					
E	< or = 250mm high	30	m			
	Column casings; attached					
F	rectangular; height < 4m high	3	m2			

	Description	Qty	Unit	Rate	€	c
	<u>BRICKWORK AND BLOCKWORK</u>					
	BRICKWORK / BLOCKWORK					
	<u>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</u>					
	Walls in trenches					
A	100mm thick	89	m2			
B	215mm thick	94	m2			
C	350mm thick	5	m2			
D	465mm thick	17	m2			

	Description	Qty	Unit	Rate	€	c
	<u>Concrete Common Quinnlite Blockwork to</u> <u>External Walls; Blocks: To BS EN 771-3;</u> <u>Manufacturer: Contractor's choice; Product</u> <u>reference: Contractor's choice;</u> <u>Configuration: Group 1; Compressive</u> <u>strength: Mean value: 7.5N/mm2;</u> <u>Characteristic value: 7.5N/mm2; Category:</u> <u>I; Freeze/ Thaw resistance: Suitable for</u> <u>exposed external use below dpc; Thermal</u> <u>properties: N/A; Recycled content:</u> <u>Contractor's choice; Work sizes (length x</u> <u>width x height): 440 x 215 x 215 mm;</u> <u>Tolerance category: D2; Special shapes:</u> <u>Half sizes; Additional requirements:</u> <u>Reaction to fire class: A1; Mortar: Min.</u> <u>M4, As section Z21; Standard: To BS EN</u> <u>998-2; Mix: 1:1:6 cement:lime:sand; 10mm</u> <u>joints; bedding, jointing & bucket handle</u> <u>pointing; Additional requirements:</u> <u>Durability: Freeze/ thaw resistance:</u> <u>Suitable for exposed external use below</u> <u>dpc; Bond: Block on flat; all</u> <u>installations in accordance with</u> <u>Architects drawings & specifications</u>					
	Walls in trenches					
A	100mm thick	15	m2			
B	215mm thick	64	m2			
	Labours					
C	on blockwork		item			

Description	Qty	Unit	Rate	€	c
ANCILLARIES TO BRICKWORK / BLOCKWORK <u>Forming cavities; with stainless steel double triangle wall ties; "Ancon"SPB at maximum 450mm c/c horizontally and 450mm vertically, staggered 450mm each course</u> <u>Forming cavities; partial fill cavity insulation; 110mm thick Kingspan Kooltherm K108 cavity board or equivalent partial fill cavity wall insulation comprising a CFC/HCFC-free Zero Ozone Depletion Potential (ODP) and low Global Warming Potential (GWP) premium performance rigid thermoset phenolic insulation core with autohesively bonded low management system to to ISO 9001: 2008, ISO 14001: 2004 2004, BS OHSAS 18001: 2007 and nd ISO 50001:2011; Recycled content: to BS / I.S. EN ISO 14001: 2004; Face size (length x width): 1200mm x 450mm; Thickness (nominal): 110mm; Thermal Performance: Aged thermal conductivity/l-value of 0.018 W/m.K calculated using the method which has been adopted to bring National standards to, BS / I.S. EN ISO 6946: 1997; Residual cavity: Clear and unobstructed; Facings: resistant to attack by mould and microbial growthNo gaps and free from mortar and debris; Warranty: Insulation manufacturer to provide Project Specific Performance Warranty upon completion of the installation; all installations in accordance with manufacturers printed instructions; all in accordance with Architects and Engineers drawings and specifications</u> Between new walls 150mm wide cavity	44	m2			

	Description	Qty	Unit	Rate	€	c
	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 Sundries 200 x 150mm	16	nr			
A						
	ROOFING, CLADDING AND WATERPROOFING					
	MASTIC ASPHALT AND WATERPROOFING					
	Polyethylene sheet, minimum 125 micrometres thick (500 gauge), use 300 micrometres thick (1200 gauge) if slab moisture is greater than 75%; Installation: Lay over insulation and turn up at perimeter abutments; Lap 100mm at joints; all installations in accordance with Architect's/Engineer's drawings and specifications Damp proof courses horizontal; > 300mm wide	527	m2			
B						
	Radon Barrier/DPC; Material: Virgin Blend LDPE; Weight per m2 460g/m2; Tensile strength >350N/50mm; Elongation > 450%;Tear Resistance >200N; Moisture Vapour Transmission rate < 0.3 g/m2 /day; Radon Transmittance: 1.6 x 10-8m/s; Radon Permeability:7.9 x 10 - 12m2/s; Visqueen Damp proof course or equivalent to conform to BS 6515; membranes lap the membrane by a minimum of 150mm and seal with a strip of 30mm wide Monobond RT tape; all installations in accordance with manufacturers instructions; all in accordance with Architects drawings and specifications Damp and Gas proofing horizontal; < or = 300mm	60	m2			
C						

	Description	Qty	Unit	Rate	€	c
A	horizontal; > 300mm wide	527	m2			
B	vertical; > 300mm high	176	m2			
C	vertical; > 300mm high; junction with existing building and sealing in accordance with manufacturers instructions with existing building	5	m2			
	<u>"Visqueen" radon resisting membrane RMB 400 top hat units with clips; fully bonded and sealed at joints in accordance with the manufacturer's printed instructions</u>					
	Collars around pipes, standards and the like					
D	100mm diameter; 250mm high	16	nr			
E	column; 215mm x 450mm RC	2	nr			
	<u>WOODWORK</u>					
	IRONMONGERY, ACCESSORIES & SUNDRIES					
	<u>Kingspan Kooltherm K3 or equivalent Underfloor insulation; Thickness: 80mm subject to maximum elemental U-Value of 0.18W/m2C with 30mm upstand to perimeter walls; Standards: CFC/HCFC-free rigid urethane core with low emissivity composite foil facings on both sides manufactured to BS EN ISO 9002: 1994/I.S. EN ISO 9001: 2000; Installation: As structural specification and in accordance with manufacturers printed instructions; all installations in accordance with Architects drawings and specification</u>					
	Insulation; thermal					
F	80mm thick; horizontal	527	m2			
G	30mm thick; vertical	106	m2			

	Description	Qty	Unit	Rate	€	c
	<u>MECHANICAL INSTALLATIONS</u>					
	SUNDRIES & BUILDERS WORK					
	<u>Necoflex Easi Sump or equivalent radon sump; fixed in accordance with the manufacturer's instructions; all in accordance with Architects drawings and specifications</u>					
A	Chambers 450 x 450 x 230mm deep	2	nr			
	<u>Radoncare termination / roof vent boxes; allow for forming all openings and weathering at roof level; fixed in accordance with the manufacturer's instructions</u>					
B	Chambers generally	2	nr			
	<u>Pipes; through 440mm thick concrete blockwork external cavity wall; consisting of 215mm inner leaf; 350mm wide cavity filled with concrete; 100mm outer leaf; insert 300 x 100 x 100mm high and 300 x 215 x 100mm high precast concrete lintels over pipes as required, 'Spanlite'; making good to blockwork around pipe; making good all structures to Engineer's approval</u>					
C	Forming or cutting holes for nominal size < or = 110mm; circular (110mm diameter pipes)	16	nr			
	<u>DRAINAGE</u>					
	BELOW GROUND					
D	Excavation; commencing at level of hardcore under concrete slab; through compacted hardcore average 250mm thick, stabilizing membrane on sub-soils		Note			

	Description	Qty	Unit	Rate	€	c
	<u>Pipes < or equal 250mm diameter;</u> <u>excavating trenches through compacted</u> <u>hardcore base; earthwork support;</u> <u>backfilling with selected hardcore</u> <u>material</u>					
	Excavating trenches					
A	average depth 500 - 1000mm (radon)	20	m			
B	average depth 500 - 1000mm (sewers)	30	m			
	Disposal					
C	ground water		item			
D	surface water		item			
	<u>Beds and surrounds; granular material;</u> <u>free draining 10mm single sized shingle;</u> <u>as specified</u>					
	Beds and surrounds					
E	width 450mm and thickness 450mm; pipe diameter 110mm (radon)	20	m			
F	width 450mm and thickness 450mm; pipe diameter 110mm (sewers)	30	m			
	<u>"Wavin" uPVC pipes to I.S.424:1990, laid</u> <u>and jointed with socket joints with rubber</u> <u>rings in running lengths, in accordance</u> <u>with the manufacturers printed</u> <u>instructions; all in accordance with</u> <u>Architects drawings and specifications</u>					
	Pipes					
G	nominal pipe diameter 110mm (radon)	20	m			
H	nominal pipe diameter 110mm; vertical (radon)	2	m			
I	nominal pipe diameter 110mm (sewer)	14	m			
J	nominal pipe diameter 110mm; vertical (sewer)	30	m			
	<u>Extra over</u> pipes on which they occur for; fittings					
K	90 degree bends: 110mm diameter pipe (radon)	4	nr			

	Description	Qty	Unit	Rate	€	c
A	T- Junction: 110mm diameter pipe (radon)	2	nr			
B	90 degree bends: 110mm diameter pipe (sewer)	28	nr			
C	T- Junction: 110mm diameter pipe (sewer)	14	nr			
	<u>Floor Gullies; stainless steel floor gully; heavy duty; all installations in accordance with manufacturers printed instructions; all in accordance with Architect's drawings and specifications</u>					
D	generally	1	nr			
	<u>Vent grilles; ends of radon pipes; vermin mesh; proprietary type u.P.V.C.; all installations in accordance with manufacturers printed instructions; all in accordance with Architect's drawings and specifications</u>					
	Pipe accessories					
E	110mm diameter pipe	16	nr			
	<u>WORKS TO CANOPY</u>					
	<u>EXCAVATION AND EARTHWORK</u>					
	<u>EXCAVATION</u>					
	<u>Excavation</u>					
	Reduced levels; depth					
F	< or = 2.00m	4	m3			
	Foundation trenches; depth					
G	< or = 2.00m	2	m3			
H	< or = 2.00m (bulk filling)	2	m3			
	Extra on excavation items for					
I	being next to existing buildings	3	m2			

	Description	Qty	Unit	Rate	€	c
A	around existing services in work area and protecting as required; allow for sleeving through new walls as required; refer to engineers drawings and existing services on site in work area		item			
	Disposal					
B	surface water		item			
C	ground water		item			
D	excavated material; off site	8	m3			
E	excavated material; off site (bulk filling)	2	m3			
	<u>Imported gas permeable stone filling; in accordance with SR 21:2004 to Annex E - Table E1 and NRA 600 "T1 Permeable" (0-40mm) stone filling; compacted in layers not exceeding 225mm thick; all as specified and compacted in accordance with Engineer's Specification; refer to Engineer's drawings and specification for further details on imported fill requirements</u>					
F	to excavations; average thickness < or 250mm	2	m3			
	<u>Imported stone filling; Sub base in accordance with SR 21:2004 to Annex E - Table E1 and NRA 600 Material "T2 Permeable" (4/40) stone filling; compacted in layers not exceeding 200mm thick; all as specified and compacted in accordance with Engineers specification; refer to Engineers drawings and specification for further details on imported fill requirements</u>					
G	to excavations; average thickness < or 250mm	3	m3			

	Description	Qty	Unit	Rate	€	c
A	Imported filling; in accordance with SR 21:2004 to Annex E - Table E1 and NRA 600 "T3 Blind" aggregate blinding; all as specified and compacted in accordance with Engineer's specification; refer to Engineer's drawings and specification for further details on imported fill requirements 50mm thick <u>CONCRETE WORK</u> IN-SITU CONCRETE C12/15 Lean concrete blinding; all in accordance with the Engineers drawings and specification Bulk Filling	6	m2			
B	generally Insitu concrete; grade C28/35; maximum aggregate size 20mm and minimum cement content 325kg/m3; 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	2	m3			
C	Foundations poured on or against unblinded hardcore Reinforced in-situ concrete; cement combination comprising 50% GGBS and 65% CEM II/A to be used; grade C28/35; Exposure Class XC1; minimum cement content 300kg/cu.m.; maximum water/ cement ration: 0.50; aggregate size 20mm but 10mm for structural screeds; including fibremesh to BS EN 14889-1, carbon steel, flat end, tensile strength 1150 N/mm2; size 50mm; addition rate minimum: 40kg/cu.m; all in accordance with Engineer's drawings and specifications; vibrated	1	m3			
D	Beds (Screed) < or = 150mm	1	m3			

	Description	Qty	Unit	Rate	€	c
	SUNDRIES					
	<u>Designed joints; construction joints; 5 x 50mm saw cut within 36 hours; sealed surface groove with polysulphide sealer or equivalent; all in accordance with Engineers specification and drawing no 122012-DT-301 "150mm Sub Slab Saw Cut Joint (SCJ) "</u>					
A	Construction joints in concrete, depth 150 - 300mm	3	m			
	<u>Dowelled Joint; 12mm diameter dowel bars; 600mm long at 300mm centres; debonded over half the length; "Hilti" H/F HY injection mortar; dowel bar ends to be sawn smooth; include for drilling hole in existing reinforced concrete foundations 300mm deep; refer to Engineer's drawing for further details</u>					
B	Joint between new and existing foundations generally 600mm wide	2	nr			
	<u>Dowelled Joint; 12mm diameter dowel bars; 600mm long at 300mm centres; debonded over half the length; "Hilti" H/F HY injection mortar; dowel bar ends to be sawn smooth; include for drilling hole in existing reinforced concrete floors 300mm deep; making good to existing floor slab as required; refer to Engineer's drawing for further details</u>					
C	Joint between new and existing floor slab generally	3	m			
	Surface finishes; to B.S. 8204 Part 2, 1987					
D	power floating	6	m2			

	Description	Qty	Unit	Rate	€	c
	REINFORCEMENT					
	<u>Reinforcement; fabric; BS4483; hard drawn plain round steel, welded; 500mm end and side laps as specified (no allowance in measurement for lapping); all in accordance with Engineers drawings and recommendations</u>					
	Fabric					
A	horizontal; reference A142 (floor)	6	m2			
B	horizontal; reference A393 (foundations)	3	m2			
	FORMWORK					
	<u>Basic finish; all in accordance with the Engineer's drawings and specifications</u>					
	Sides of foundations					
C	height > 250 < or = 500mm	8	m			
	<u>Plain finish; all in accordance with the Engineer's drawings and specifications</u>					
	Edges of beds					
D	< or = 250mm high	4	m			

	Description	Qty	Unit	Rate	€	c
	<u>BRICKWORK AND BLOCKWORK</u>					
	BRICKWORK / BLOCKWORK					
	<u>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</u>					
	Walls in trenches					
A	100mm thick	6	m2			
B	215mm thick	6	m2			
C	350mm thick	4	m2			
D	465mm thick	4	m2			

	Description	Qty	Unit	Rate	€	c
	<u>Concrete Common Quinnlite Blockwork to</u> <u>External Walls; Blocks: To BS EN 771-3;</u> <u>Manufacturer: Contractor's choice; Product</u> <u>reference: Contractor's choice;</u> <u>Configuration: Group 1; Compressive</u> <u>strength: Mean value: 7.5N/mm2;</u> <u>Characteristic value: 7.5N/mm2; Category:</u> <u>I; Freeze/ Thaw resistance: Suitable for</u> <u>exposed external use below dpc; Thermal</u> <u>properties: N/A; Recycled content:</u> <u>Contractor's choice; Work sizes (length x</u> <u>width x height): 440 x 215 x 215 mm;</u> <u>Tolerance category: D2; Special shapes:</u> <u>Half sizes; Additional requirements:</u> <u>Reaction to fire class: A1; Mortar: Min.</u> <u>M4, As section Z21; Standard: To BS EN</u> <u>998-2; Mix: 1:1:6 cement:lime:sand; 10mm</u> <u>joints; bedding, jointing & bucket handle</u> <u>pointing; Additional requirements:</u> <u>Durability: Freeze/ thaw resistance:</u> <u>Suitable for exposed external use below</u> <u>dpc; Bond: Block on flat; all</u> <u>installations in accordance with</u> <u>Architects drawings & specifications</u>					
A	Walls in trenches 215mm thick	2	m2			
B	Labours on blockwork		item			

Description	Qty	Unit	Rate	€	c
ANCILLARIES TO BRICKWORK / BLOCKWORK <u>Forming cavities; with stainless steel double triangle wall ties; "Ancon" SPB at maximum 450mm c/c horizontally and 450mm vertically, staggered 450mm each course</u> <u>Forming cavities; partial fill cavity insulation; 110mm thick Kingspan Kooltherm K108 cavity board or equivalent partial fill cavity wall insulation comprising a CFC/HCFC-free Zero Ozone Depletion Potential (ODP) and low Global Warming Potential (GWP) premium performance rigid thermoset phenolic insulation core with autohesively bonded low management system to to ISO 9001: 2008, ISO 14001: 2004 2004, BS OHSAS 18001: 2007 and nd ISO 50001:2011; Recycled content: to BS / I.S. EN ISO 14001: 2004; Face size (length x width): 1200mm x 450mm; Thickness (nominal): 110mm; Thermal Performance: Aged thermal conductivity/l-value of 0.018 W/m.K calculated using the method which has been adopted to bring National standards to, BS / I.S. EN ISO 6946: 1997; Residual cavity: Clear and unobstructed; Facings: resistant to attack by mould and microbial growthNo gaps and free from mortar and debris; Warranty: Insulation manufacturer to provide Project Specific Performance Warranty upon completion of the installation; all installations in accordance with manufacturers printed instructions; all in accordance with Architects and Engineers drawings and specifications</u> Between new walls 150mm wide cavity	2	m2			

	Description	Qty	Unit	Rate	€	c
	ROOFING, CLADDING AND WATERPROOFING					
	MASTIC ASPHALT AND WATERPROOFING					
	<u>Polyethylene sheet, minimum 125 micrometres thick (500 gauge), use 300 micrometres thick (1200 gauge) if slab moisture is greater than 75%;</u> <u>Installation: Lay over insulation and turn up at perimeter abutments; Lap 100mm at joints; all installations in accordance with Architect's/Engineer's drawings and specifications</u>					
	Damp proof courses					
A	horizontal; > 300mm wide	6	m2			
	<u>Radon Barrier/DPC; Material: Virgin Blend LDPE; Weight per m2 460g/m2; Tensile strength >350N/50mm; Elongation > 450%;Tear Resistance >200N; Moisture Vapour Transmission rate < 0.3 g/m2 /day; Radon Transmittance: 1.6 x 10⁻⁸m/s; Radon Permeability:7.9 x 10⁻¹²m²/s; Visqueen Damp proof course or equivalent to conform to BS 6515; membranes lap the membrane by a minimum of 150mm and seal with a strip of 30mm wide Monobond RT tape; all installations in accordance with manufacturers instructions; all in accordance with Architects drawings and specifications</u>					
	Damp and Gas proofing					
B	horizontal; < or = 300mm	2	m2			
C	horizontal; > 300mm wide	6	m2			
D	vertical; > 300mm high	3	m2			
E	vertical; > 300mm high; junction with existing building and sealing in accordance with manufacturers instructions with existing building	2	m2			

	Description	Qty	Unit	Rate	€	c
	<u>WOODWORK</u>					
	IRONMONGERY, ACCESSORIES & SUNDRIES					
	<u>Kingspan Kooltherm K3 or equivalent</u> <u>Underfloor insulation; Thickness: 80mm</u> <u>subject to maximum elemental U-Value of</u> <u>0.18W/m2C with 30mm upstand to perimeter</u> <u>walls; Standards: CFC/HCFC-free rigid</u> <u>urethane core with low emissivity</u> <u>composite foil facings on both sides</u> <u>manufactured to BS EN ISO 9002: 1994/I.S.</u> <u>EN ISO 9001: 2000; Installation: As</u> <u>structural specification and in accordance</u> <u>with manufacturers printed instructions;</u> <u>all installations in accordance with</u> <u>Architects drawings and specification</u>					
	Insulation; thermal					
A	80mm thick; horizontal	6	m2			
B	40mm thick; vertical	3	m2			
	<u>WORKS TO EXISTING BUILDING</u>					
	<u>DEMOLTIONS AND ALTERATIONS</u>					
	ALTERATIONS					
	<u>Digging up, excavting and disposal of</u> <u>existing concrete screed; excavation of</u> <u>screed and associated blockwork footings,</u> <u>hardcore and sealants/DPC's as required;</u> <u>include for all excavtion, disposal,</u> <u>backfilling and all other works necessary</u> <u>to complete installation; making good all</u> <u>existing structures and finishes on</u> <u>completion of the works</u>					
	Removing					
C	finishes (150mm screed)	22	m2			
	<u>EXCAVATION AND EARTHWORK</u>					
	EXCAVATION					
	<u>Excavation</u>					
	Reduced levels; depth					

	Description	Qty	Unit	Rate	€	c
A	< or = 2.00m Foundation trenches; depth	14	m3			
B	< or = 2.00m Extra on excavation items for	2	m3			
C	being next to existing buildings	5	m2			
D	around existing services in work area and protecting as required; allow for sleeving through new walls as required; refer to engineers drawings and existing services in existing school area	1	item			
E	Disposal surface water		item			
F	ground water		item			
G	excavated material; off site <u>Imported gas permeable stone filling; in accordance with SR 21:2004 to Annex E - Table E1 and NRA 600 "T1 Permeable" (0-40mm) stone filling; compacted in layers not exceeding 225mm thick; all as specified and compacted in accordance with Engineer's Specification; refer to Engineer's drawings and specification for further details on imported fill requirements</u>	16	m3			
H	to excavations; average thickness < or 250mm <u>Imported stone filling; Sub base in accordance with SR 21:2004 to Annex E - Table E1 and NRA 600 Material "T2 Permeable" (4/40) stone filling; compacted in layers not exceeding 200mm thick; all as specified and compacted in accordance with Engineers specification; refer to Engineers drawings and specification for further details on imported fill requirements</u>	4	m3			
I	to excavations; average thickness < or 250mm	5	m3			

	Description	Qty	Unit	Rate	€	c
A	Imported filling; in accordance with SR 21:2004 to Annex E - Table E1 and NRA 600 "T3 Blind" aggregate blinding; all as specified and compacted in accordance with Engineer's specification; refer to Engineer's drawings and specification for further details on imported fill requirements 50mm thick CONCRETE WORK IN-SITU CONCRETE Insitu concrete; grade C28/35; maximum aggregate size 20mm and minimum cement content 325kg/m3; 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	22	m2			
B	poured on or against unblinded hardcore Reinforced in-situ concrete; cement combination comprising 50% GGBS and 65% CEM II/A to be used; grade C28/35; Exposure Class XC1; minimum cement content 300kg/cu.m.; maximum water/ cement ration: 0.50; aggregate size 20mm but 10mm for structural screeds; including fibremesh to BS EN 14889-1, carbon steel, flat end, tensile strength 1150 N/mm2; size 50mm; addition rate minimum: 40kg/cu.m; all in accordance with Engineer's drawings and specifications; vibrated Beds (Screed)	2	m3			
C	< or = 150mm	4	m3			

	Description	Qty	Unit	Rate	€	c
	SUNDRIES					
	<u>Designed joints; construction joints; 5 x 50mm saw cut within 36 hours; sealed surface groove with polysulphide sealer or equivalent; all in accordance with Engineers specification and drawing</u>					
A	Construction joints in concrete, depth 150 - 300mm	12	m			
	<u>Dowelled Joint; 12mm diameter dowel bars; 600mm long at 300mm centres; debonded over half the length; "Hilti" H/F HY injection mortar; dowel bar ends to be sawn smooth; include for drilling hole in existing reinforced concrete foundations 300mm deep; refer to Engineer's drawing for further details</u>					
B	Joint between new and existing foundations generally 600mm wide	2	nr			
	<u>Dowelled Joint; 12mm diameter dowel bars; 600mm long at 300mm centres; debonded over half the length; "Hilti" H/F HY injection mortar; dowel bar ends to be sawn smooth; include for drilling hole in existing reinforced concrete floors 300mm deep; making good to existing floor slab as required; refer to Engineer's drawing for further details</u>					
C	Joint between new and existing floor slab generally	17	m			
	Surface finishes; to B.S. 8204 Part 2, 1987					
D	power floating	22	m2			

	Description	Qty	Unit	Rate	€	c
	REINFORCEMENT					
	<u>Reinforcement; fabric; BS4483; hard drawn plain round steel, welded; 500mm end and side laps as specified (no allowance in measurement for lapping); all in accordance with Engineers drawings and recommendations</u>					
	Fabric					
A	horizontal; reference A142 (floor)	22	m2			
B	horizontal; reference A393 (foundations)	4	m2			
	FORMWORK					
	<u>Basic finish; all in accordance with the Engineer's drawings and specifications</u>					
	Sides of foundations					
C	height > 250 < or = 500mm	12	m			

	Description	Qty	Unit	Rate	€	c
	<u>BRICKWORK AND BLOCKWORK</u>					
	BRICKWORK / BLOCKWORK					
	<u>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</u>					
	Walls in trenches					
A	100mm thick	2	m2			
B	215mm thick	2	m2			

	Description	Qty	Unit	Rate	€	c
	<u>Concrete Common Quinnlite 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</u>					
	Walls in trenches					
A	100mm thick	2	m2			
B	215mm thick	2	m2			
	Labours					
C	on blockwork		item			
	<u>ROOFING, CLADDING AND WATERPROOFING</u>					
	<u>MASTIC ASPHALT AND WATERPROOFING</u>					
	<u>Polyethylene sheet, minimum 125 micrometres thick (500 gauge), use 300 micrometres thick (1200 gauge) if slab moisture is greater than 75%; Installation: Lay over insulation and turn up at perimeter abutments; Lap 100mm at joints; all installations in accordance with Architect's/Engineer's drawings and specifications</u>					
	Damp proof courses					
D	horizontal; > 300mm wide	22	m2			

	Description	Qty	Unit	Rate	€	c
	<u>Radon Barrier/DPC; Material: Virgin Blend LDPE; Weight per m2 460g/m2; Tensile strength >350N/50mm; Elongation > 450%;Tear Resistance >200N; Moisture Vapour Transmission rate < 0.3 g/m2 /day; Radon Transmittance: 1.6 x 10⁻⁸m/s; Radon Permeability:7.9 x 10⁻¹²m²/s; Visqueen Damp proof course or equivalent to conform to BS 6515; membranes lap the membrane by a minimum of 150mm and seal with a strip of 30mm wide Monobond RT tape; all installations in accordance with manufacturers instructions; all in accordance with Architects drawings and specifications</u> Damp and Gas proofing					
A	horizontal; < or = 300mm	2	m2			
B	horizontal; > 300mm wide	22	m2			
C	vertical; > 300mm high	5	m2			
D	vertical; > 300mm high; junction with existing building and sealing in accordance with manufacturers instructions with existing building	3	m2			
	<u>Extra over for</u>					
E	joining with existing	10	m			
	<u>WOODWORK</u>					
	<u>IRONMONGERY, ACCESSORIES & SUNDRIES</u>					
	<u>Kingspan Kooltherm K3 or equivalent Underfloor insulation; Thickness: 80mm subject to maximum elemental U-Value of 0.18W/m²C with 30mm upstand to perimeter walls; Standards: CFC/HCFC-free rigid urethane core with low emissivity composite foil facings on both sides manufactured to BS EN ISO 9002: 1994/I.S. EN ISO 9001: 2000; Installation: As structural specification and in accordance with manufacturers printed instructions; all installations in accordance with Architects drawings and specification</u> Insulation; thermal					
F	80mm thick; horizontal	22	m2			

Description		Qty	Unit	Rate	€	c
A	30mm thick; vertical	5	m2			

Description	Qty	Unit	Rate	€	c
COLLECTION					
Page No. BQ/141					
Page No. BQ/142					
Page No. BQ/143					
Page No. BQ/144					
Page No. BQ/145					
Page No. BQ/146					
Page No. BQ/147					
Page No. BQ/148					
Page No. BQ/149					
Page No. BQ/150					
Page No. BQ/151					
Page No. BQ/152					
Page No. BQ/153					
Page No. BQ/154					
Page No. BQ/155					
Page No. BQ/156					
Page No. BQ/157					
Page No. BQ/158					
Page No. BQ/159					
Page No. BQ/160					
Page No. BQ/161					
Page No. BQ/162					
Page No. BQ/163					
Page No. BQ/164					

Description	Qty	Unit	Rate	€	c
COLLECTION Page No. BQ/165 Page No. BQ/166 Page No. BQ/167 Page No. BQ/168 Page No. BQ/169 Page No. BQ/170 Page No. BQ/171 EL (19) SUBSTRUCTURE Carried to Summary					

T71101 Scoil Realt na Mara
Pricing Document
August 2026

	Description	Qty	Unit	Rate	€	c
A	width 215mm; height 65mm; 1300mm long with drip	1	nr			
B	width 215mm; height 65mm; 3200mm long with drip	2	nr			
C	width 215mm; height 65mm; 5200mm long with drip	2	nr			
	<u>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 Drawing for further details & requirements</u>					
	Lintels					
D	width 215mm; height 65mm; 550mm long	2	nr			
E	width 215mm; height 65mm; 650mm long	1	nr			
F	width 215mm; height 65mm; 750mm long	3	nr			
G	width 215mm; height 65mm; 900mm long	3	nr			
H	width 215mm; height 65mm; 1100mm long	9	nr			
I	width 215mm; height 65mm; 1250mm long	1	nr			
J	width 215mm; height 65mm; 1300mm long	1	nr			
K	width 215mm; height 65mm; 1450mm long	2	nr			
L	width 215mm; height 65mm; 1500mm long	4	nr			
M	width 215mm; height 65mm; 2100mm long	2	nr			
N	width 215mm; height 65mm; 2650mm long; (in existing building)	1	nr			
O	width 215mm; height 65mm; 2800mm long	1	nr			
P	width 215mm; height 65mm; 4850mm long	1	nr			
Q	width 100mm; height 65mm; 550mm long	2	nr			
R	width 100mm; height 65mm; 650mm long	1	nr			
S	width 100mm; height 65mm; 750mm long	3	nr			
T	width 100mm; height 65mm; 900mm long	3	nr			

[illegible]

Description	Qty	Unit	Rate	€	c
<u>BRICKWORK AND BLOCKWORK</u>					
<u>BLOCKWORK</u>					
<u>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</u>					
Walls; common blockwork thickness 100mm; (outer leaf)	537	m2			

	Description	Qty	Unit	Rate	€	c
	<u>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</u> Walls; common blockwork					
A	thickness 215mm (block on flat) (inner leaf)	537	m2			
	<u>Extra over</u>					
B	Cutting blockwork for sloped windows	18	m			

	Description	Qty	Unit	Rate	€	c
	<u>Concrete Common Quinnlite Blockwork to</u> <u>External Walls; Blocks: To BS EN 771-3;</u> <u>Manufacturer: Contractor's choice; Product</u> <u>reference: Contractor's choice;</u> <u>Configuration: Group 1; Compressive</u> <u>strength: Mean value: 7.5N/mm2;</u> <u>Characteristic value: 7.5N/mm2; Category:</u> <u>I; Freeze/ Thaw resistance: Suitable for</u> <u>exposed external use below dpc; Thermal</u> <u>properties: N/A; Recycled content:</u> <u>Contractor's choice; Work sizes (length x</u> <u>width x height): 440 x 215 x 215 mm;</u> <u>Tolerance category: D2; Special shapes:</u> <u>Half sizes; Additional requirements:</u> <u>Reaction to fire class: A1; Mortar: Min.</u> <u>M4, As section Z21; Standard: To BS EN</u> <u>998-2; Mix: 1:1:6 cement:lime:sand; 10mm</u> <u>joints; bedding, jointing & bucket handle</u> <u>pointing; Additional requirements:</u> <u>Durability: Freeze/ thaw resistance:</u> <u>Suitable for exposed external use below</u> <u>dpc; Bond: Block on flat; all</u> <u>installations in accordance with</u> <u>Architects drawings & specifications</u>					
A	Walls in trenches 215mm thick	81	m2			
B	Labours on blockwork		item			
	<u>Rough and fair cutting; fair vertical</u> <u>internal and external angles; raking out</u> <u>joints to form key; returns, ends, angles</u> <u>and the like; labour in eaves filling;</u> <u>building in ends; including any other</u> <u>necessary labours on blockwork</u>					
C	Labours; on common blockwork 100mm thick		Item			
D	215mm thick		Item			
E	<u>Extra over for</u> forming rad recess; 650mm wide x 1450mm high	5	nr			

Description	Qty	Unit	Rate	€	c
ANCILLARIES TO BRICKWORK/BLOCKWORK <u>Forming cavitities; partial fill cavity insulation; 110mm thick Kingspan Kooltherm K108 cavity board or equivalent partial fill cavity wall insulation comprising a CFC/HCFC-free Zero Ozone Depletion Potential (ODP) and low Global Warming Potential (GWP) premium performance rigid thermoset phenolic insulation core with autohesively bonded low management system to to ISO 9001: 2008, ISO 14001: 2004 2004, BS OHSAS 18001: 2007 and nd ISO 50001:2011; Recycled content: to BS / I.S. EN ISO 14001: 2004; Face size (length x width): 1200mm x 450mm; Thickness (nominal): 110mm; Thermal Performance: Aged thermal conductivity/l-value of 0.018 W/m.K calculated using the method which has been adopted to bring National standards to, BS / I.S. EN ISO 6946: 1997; Residual cavity: Clear and unobstructed; Facings: resistant to attack by mould and microbial growthNo gaps and free from mortar and debris; Warranty: Insulation manufacturer to provide Project Specific Performance Warranty upon completion of the installation; all installations in accordance with manufacturers printed instructions; all in accordance with Architects and Engineers drawings and specifications</u>					
Forming cavities; between new walls A width 150mm; between blockwork walls	537	m2			

	Description	Qty	Unit	Rate	€	c
	<u>Wall starter kit ; Ancon SPB with debonding sleeve or siimilar approved to be fixed to the existing blockworks (inner & outer leaf) to tie new wall to existing or similar approved in accordance with I.S. EN845-1 are to be provided at intervals of 900mm horizontally and 450mm vertically, staggered. Additional ties are to be fixed at openings or sides of wall panels at 225mm centers vertically ; 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</u> Between new wall and existing walls					
A	215mm walls	20	m			
	<u>Vertical movement joints in masonry to be formed at spacing recommended by the manufacturer of the masonry units but not more than 6m apart ; all in accordance with engineers drawings and specifications</u> depth exceeding 150mm	20	m			
	<u>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 strictly in accordance with Manufacturers instructions; all in accordance with Architects drawings and specifcations; refer to Architect drawing TR-25 for further details and requiremnts</u> Closing cavities; top of masonry parapet walls					
C	cavity width 150mm x 120mm high	45	m			
	Closing cavities; top of masonry parapet walls; raking cavity width 150mm x 120mm high	59	m			
D	Closing cavities; top of masonry walls at eaves					

	Description	Qty	Unit	Rate	€	c
A	cavity width 150mm x 120mm high	62	m			
B	Closing cavities; (windows & doors)					
C	cavity width 150mm (windows & doors)	188	m			
	<u>Damp proof courses Manufacturer: IKO -or equivalent to Architects approval</u> <u>Accessories: Proprietary standard</u> <u>preformed cloaks at all roof, wall and floor membrane, finishes and structures;</u> <u>Material: Polypropylene; all installations in accordance with Architect's/ Engineer's drawings and specifications</u>					
	Damp proof courses					
D	width exceeding 225mm; stepped	30	m2			
E	width exceeding 225mm; stepped; at parapet & verges	48	m2			
F	width exceeding 225mm; raking; gutters/ verges/mono ridges/flat roof parapet	33	m2			
G	width exceeding 225mm; stepped; flat roof abutments	49	m2			
	<u>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 weatherted in accordance with the window manufacturer's instructions & requirements; all installations in accordance with Architect drawings and specifcations</u>					
	Composite items; cill above plinth; linear measure notwithstanding ARM4					
H	width 215mm	9	m			
I	<u>extra over</u> cill for closed end	18	nr			

	Description	Qty	Unit	Rate	€	c
	<u>ROOFING, CLADDING AND WATERPROOFING</u>					
	RIGID SHEET COVERINGS					
A	The contractor shall note that panels are to be made from the following; portland cement percentage 57 - 78%, polyvinyl alcohol fibres and cellulose fibres; acrylic coating to panel face, rear side & edges		Item			
B	The contractor shall note that the material shall be large through-coloured fibre cement panel with a translucent, lightly pigmented finish with pure acrylate, water-resisting (hydrophobic) coating.		Item			
C	Contractor to submit shop drawings of panel installation, material, panel layout, accessories, location of fasteners (panel), location of panel fixed fastening points (for metal sub-frame) and submit manufacturers data sheets including care & recommended maintenance procedures for incorporation into maintenance manuals & copies of manufacturers warranties to the Architect for review		Item			
D	Installer shall have a minimum of 5 years of proven experience in the installation of the specified products on project of similar size		Item			
E	Product must be supplied to site factory cut in project specific sizes		Item			
F	System must be fire tested		Item			
G	Install a full mock up on the building on a location as directed by the Architect, if required & shall incorporate panels and all accessories including flashing to windows		Item			
H	10 year insurance backed warranty for the fire performance, structural performance environmental performance and functional quality of panels and accessories, provided that the installation is in full compliance with manufacturers recommendations.		Item			

	Description	Qty	Unit	Rate	€	c
A	Note Contractor to allow for cutting of boards on site to suit the elevational pattern as per the elevation drawings. Allow for up to 5 non standard sizes along with the 3 sizes in total. <u>Swisspearl "Largo" or equivalent fibre-cement cladding panels; on treated timber lath support structure 50x35mm at 400mm centre tied back to 465mm cavity wall; colour in 4 selected colours to feature wall colour TBC by design team; 8mm thick; Size: 1250mm x 2510/3050mm; waterproofed finish panel, drained and back ventilated system; 10mm wide vertical and horizontal joints between panels; 90mm clear ventiaalted cavity; with 50 x 35mm timber supports; horizontal joint profile for protected horizontal joints, Luko sealer or equivalent with adaptor for sealing cut edges; install complete composite system strictly in accordance with manufacturer's written instructions; all in accordance with Architects drawings and specifications; refer to Architect Drawing TR-17 series for further details and requirements</u> Coverings; fixed to blockwork walls		Item			
B	vertical; width not exceeding 300mm (reveals)	7	m2			
C	vertical; width over 300mm	33	m2			
	<u>FLEXIBLE SHEET METAL COVERINGS</u>					
	<u>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 colour to match roof finish with membrane; all installations in accordance with manufacturer's details; all in accordance with Architect's drawings and specifications</u> Cover Flashings					

	Description	Qty	Unit	Rate	€	c
A	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 specifications; refer to Architects drawing for further details WOODWORK SUNDRIES <u>Rockwool TCB or equivalent Cavity Barriers; Standard: To BS 476-20 and -22; Fire resistance: To BS 476-20 and -22, 60 minutes integrity and insulation; Type/ Material: Wire reinforced mineral wool; Thickness: 75 mm; Density: 45 kg/m³; Facings/ Wrappings: Aluminium foil to back (facing void) and edges, white glass fibre tissue to front; fit tightly between concrete blockwork walls; all installations in accordance with Manufacturers instruction; all in accordance with Architects drawings & specifications;</u> Seals; firestopping; vertical;	13	m			
B	cavity width 150mm (blockwork walls)	65	m			

	Description	Qty	Unit	Rate	€	c
A	Rockwool TCB or equivalent Cavity Barriers; Standard: To BS 476-20 and -22; Fire resistance: To BS 476-20 and -22, 60 minutes integrity and insulation; Type/ Material: Wire reinforced mineral wool; Thickness: 75 mm; Density: 45 kg/m³; Facings/ Wrappings: Aluminium foil to back (facing void) and edges, white glass fibre tissue to front; fit tightly between concrete blockwork walls; all installations in accordance with Manufacturers instruction; all in accordance with Architects drawings & specifications; Seals; firestopping; vertical; cavity width 150mm (blockwork/cladding junctions)	13	m			
B	Rockwool TCB or equivalent Cavity Barriers; Standard: To BS 476-20 and -22; Fire resistance: To BS 476-20 and -22, 60 minutes integrity and insulation; Type/ Material: Wire reinforced mineral wool; Thickness: 75 mm; Density: 45 kg/m³; Facings/ Wrappings: Aluminium foil to back (facing void) and edges, white glass fibre tissue to front; fit tightly between composite insulated flat metal cladding panel and concrete blockwork wall; all installations in accordance with Manufacturers instruction; all in accordance with Architects drawings & specifications; Seals; firestopping; horizontal; cavity width 150mm (over windows/doors in cladded walls)	9	m			

	Description	Qty	Unit	Rate	€	c
	INSULATION					
	<u>PIR insulation proprietary closer or similar approved to standard BS EN 13165;</u> <u>Product reference : Cavity Therm jamb with close-R or similar approved ; Recycled content: none permitted; Face size (nominal) length x width: 1200 x 450mm. Thickness (nominal): 31.5 x 170mm piece to suit 150mm cavity. Thermal conductivity : 0.03W/(mk) Reaction to fire class F. Additional requirements: jointing strip for connecting vertical sections. 100mm wide Vertical DPC to all open reveals. Close-R uni-ties fitted to manufacturers specification to secure closer into block coursing. Placement: Continuous and free of mortar and debris; all installations in accordance with Manufacturers instructions; all in accordance with Architects drawings and specifications; refer to architects drawing for further details and requirements</u>					
A	Thermal 25 x 100mm wide	78	m			
	<u>STEELWORK</u>					
	STRUCTURAL STEELWORK					
	<u>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 S275 hot finished steel structural hollow closed sections to BSEN10210; grade 8.8 black bolts to BS4190 with sheradised coating to BS7371.8; all in accordance with Engineer's drawings and specifications</u>					
	Fabricated members; beams; not exceeding 25kg/m					
B	152x 89 x UB16; over window open	0.30	t			
C	152x152x UC23; over window open	0.30	t			

	Description	Qty	Unit	Rate	€	c
A	203x203xUB23; Galvanised, over window ope	0.60	t			
B	200x90x30PFC Galvansied over window ope	0.30	t			
C	80x80x8SHS Galvansied	0.30	t			
D	fittings	0.18	t			
	Fabricated members; beams; exceeding 25kg/m but not exceeding 50kg/m					
E	203x203xUC46; over window ope	1.80	t			
F	fittings	0.18	t			
	<u>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 Engineer's specifications</u>					
	Protective coatings; applied off site; painting					
G	beams	3.96	t			
H	fittings	0.40	t			

Description	Qty	Unit	Rate	€	c
<u>PAINTING & DECORATING</u>					
INTUMESCENT PAINT COATINGS					
<u>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</u>					
Structural metalwork; general surfaces; girth exceeding 300mm					
A generally	61	m2			

Description	Qty	Unit	Rate	€	c
COLLECTION					
Page No. BQ/174					
Page No. BQ/175					
Page No. BQ/176					
Page No. BQ/177					
Page No. BQ/178					
Page No. BQ/179					
Page No. BQ/180					
Page No. BQ/181					
Page No. BQ/182					
Page No. BQ/183					
Page No. BQ/184					
Page No. BQ/185					
Page No. BQ/186					
Page No. BQ/187					
Page No. BQ/188					
Page No. BQ/189					
EL (21) EXTERNAL WALLS Carried to Summary					

	Description	Qty	Unit	Rate	€	c
	<u>INFORMATION</u>					
	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			
	<u>CONCRETE WORK</u>					
	PRECAST CONCRETE					
	<u>Precast/Pre stressed reinforced concrete lintels to EN 845-2 with 2no H16 bar T&B and H6 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</u>					
	Lintels					
A	width 100mm, height 215mm,1450mm long	5	nr			
B	width 140mm, height 100mm,1750mm long (rads recess)	5	nr			
C	width 140mm, height 100mm,1550mm long (rads recess)	2	nr			
D	width 140mm, height 100mm,1350mm long (rads recess)	6	nr			
E	width 140mm, height 100mm,2150mm long (rads recess)	1	nr			
	<u>Precast/Pre stressed reinforced concrete lintels to EN 845-2 with 2no H16 bar T&B and H6 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</u>					
	Lintels					
F	width 215mm, height 215mm, 1350mm long	3	nr			

	Description	Qty	Unit	Rate	€	c
A	width 215mm, height 215mm, 1450mm long	5	nr			
B	width 215mm, height 215mm, 1900mm long	1	nr			
C	width 215mm, height 215mm, 1950mm long	3	nr			
D	width 215mm, height 215mm, 2200mm long	1	nr			
<u>BRICKWORK AND BLOCKWORK</u>						
BLOCKWORK						
<u>Fine textured solid concrete blocks;</u> <u>Blocks: To BS EN 771-3; Manufacturer:</u> <u>Contractor's choice; Product reference:</u> <u>Contractor's choice; Configuration: Group</u> <u>1; Compressive strength: Mean value: 7.5N/</u> <u>mm2; Characteristic value: 7.5N/mm2;</u> <u>Category: I; Freeze/ Thaw resistance:</u> <u>Suitable for exposed external use below</u> <u>dpc; Thermal properties: N/A; Recycled</u> <u>content: Contractor's choice; Work sizes</u> <u>(length x width x height): 440 x 215 x</u> <u>100mm; Tolerance category: D2; Special</u> <u>shapes: Half sizes; Additional</u> <u>requirements: Reaction to fire class: A1;</u> <u>Mortar: Min. M4, As section Z21; Standard:</u> <u>To BS EN 998-2; Mix: 1:1:6</u> <u>cement:lime:sand; 10mm joints; bedding,</u> <u>jointing & bucket handle pointing; all</u> <u>installations in accordance with</u> <u>Architects drawings & specifications</u>						
Walls						
E	thickness 100mm	69	m2			
F	thickness 215mm	581	m2			

	Description	Qty	Unit	Rate	€	c
	<u>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 specifications;</u> <u>Extra over</u> for special blocks					
A	W215xH215mm	24	m			
	Labours					
B	on blockwork		item			
	<u>Extra over</u> for					
C	forming rad recess; 6500mm wide x 850mm high	1	nr			
D	forming rad recess; 6500mm wide x 1050mm high	6	nr			
E	forming rad recess; 650mm wide x 1250mm high	2	nr			
F	forming rad recess; 650mm wide x 1450mm high	5	nr			

	Description	Qty	Unit	Rate	€	c
	<u>Wall starter kit ; Ancon SPB with debonding sleeve or siimilar approved to be fixed to the existing blockworks (inner & outer leaf) to tie new wall to existing or similar approved in accordance with I.S. EN845-1 are to be provided at intervals of 900mm horizontally and 450mm vertically, staggered. Additional ties are to be fixed at openings or sides of wall panels at 225mm centers vertically ; 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</u> Between new wall and existing walls					
A	215mm walls	24	m			
	Bonding to other work; wall head restraints; fixed to concrete beams; ties at 450mm centres					
B	215mm walls	7	m			
	ANCILLARIES TO BLOCKWORK					
	<u>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 specifications</u> Designed joints					
C	ties at 450mm centres vertically and horizontally	43	m			

	Description	Qty	Unit	Rate	€	c
	<u>WOODWORK</u>					
	<u>SUNDRIES</u>					
	<u>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 strictly in accordance with Manufacturers instructions; all in accordance with Architects drawings and specifications</u>					
A	Seals; firestopping; horizontal; sealing gap between top of blockwork wall and soffit of roof finish; allow for working around wall head restraint ties thickness 60mm; width 215mm	37	m			
B	Seals; firestopping; sloping; sealing gap between top of blockwork wall and soffit of roof finish; allow for working around wall head restraint ties thickness 60mm; width 215mm	35	m			
	<u>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 strictly in accordance with Manufacturers instructions; all in accordance with Architects drawings and specifications</u>					
C	Seals; firestopping; horizontal; sealing gap between top of blockwork wall and soffit of roof finish; allow for working around wall head restraint ties thickness 60mm; width 215mm	13	m			
D	Seals; firestopping; sloping; sealing gap between top of blockwork wall and soffit of roof finish; allow for working around wall head restraint ties thickness 60mm; width 215mm	11	m			

	Description	Qty	Unit	Rate	€	c
	<u>12.7mm thick Gypsum plasterboard (moisture resistant); filling and taping joints; screwfixed to and including treated softwood frame and grounds; corners to be mitred; 3mm thick skim coat of "Gypsum" plaster or other equal and approved; smooth trowelled finish; all in accordance with the manufacturer's instructions</u> Pipe encasements (boxing out)					
A	> 300mm wide	40	m2			
B	> 300mm wide; horizontal	18	m2			
	<u>WORKS TO EXISTING BUILDING</u>					
	<u>CONCRETE WORK</u>					
	<u>PRECAST CONCRETE</u>					
	<u>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</u> Lintels;					
C	width 100mm, height 215mm, 1350mm long	1	nr			
	<u>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</u> Lintels					
D	width 215mm, height 215mm, 1450mm long	1	nr			

	Description	Qty	Unit	Rate	€	c
	<u>BRICKWORK AND BLOCKWORK</u>					
	BLOCKWORK					
	<u>Fine textured solid concrete blocks;</u> <u>Blocks: To BS EN 771-3; Manufacturer:</u> <u>Contractor's choice; Product reference:</u> <u>Contractor's choice; Configuration: Group</u> <u>1; Compressive strength: Mean value: 7.5N/</u> <u>mm2; Characteristic value: 7.5N/mm2;</u> <u>Category: I; Freeze/ Thaw resistance:</u> <u>Suitable for exposed external use below</u> <u>dpc; Thermal properties: N/A; Recycled</u> <u>content: Contractor's choice; Work sizes</u> <u>(length x width x height): 440 x 215 x</u> <u>100mm; Tolerance category: D2; Special</u> <u>shapes: Half sizes; Additional</u> <u>requirements: Reaction to fire class: A1;</u> <u>Mortar: Min. M4, As section Z21; Standard:</u> <u>To BS EN 998-2; Mix: 1:1:6</u> <u>cement:lime:sand; 10mm joints; bedding,</u> <u>jointing & bucket handle pointing; all</u> <u>installations in accordance with</u> <u>Architects drawings & specifications</u>					
	Walls					
A	thickness 100mm	7	m2			
B	thickness 215mm	8	m2			
	<u>Ancon SPB with debonding sleeve or similar</u> <u>approved in accordance with I.S. EN845-1</u> <u>are to be provided at intervals of 900mm</u> <u>horizontally and 450mm vertically,</u> <u>staggered. Additional ties are to be fixed</u> <u>at openings or sides of wall panels at</u> <u>225mm centers vertically ; including</u> <u>flexible joint filler and sealant as</u> <u>required; all in accordance with Engineers</u> <u>drawings and specifications; refer to</u> <u>Engineers drawings for further details and</u> <u>requirements</u>					
	Bonding to other work; existing blockwork walls					
C	100mm walls	7	m			
D	215mm walls	7	m			

Description	Qty	Unit	Rate	€	c
<u>WOODWORK</u> <u>SUNDRIES</u> <u>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 strictly in accordance with Manufacturers instructions; all in accordance with Architects drawings and specifications</u> Seals; firestopping; horizontal; sealing gap between top of blockwork wall and soffit of roof finish; allow for working around wall head restraint ties thickness 60mm; width 100mm	3	m			

Description	Qty	Unit	Rate	€	c
COLLECTION					
Page No. BQ/191					
Page No. BQ/192					
Page No. BQ/193					
Page No. BQ/194					
Page No. BQ/195					
Page No. BQ/196					
Page No. BQ/197					
Page No. BQ/198					
EL (22) INTERNAL WALLS Carried to Summary					

Description	Qty	Unit	Rate	€	c
<u>INFORMATION</u>					
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		Note			
3. The mass of steel fabricated members is deemed to include all associated fittings such as base plates, end plates, cap plates, splice plates, fin plates, gussets, haunches, stiffeners, sundry angles, cleats, brackets, distance pieces and the like, excluding any fittings measured separately in this Element.		Note			
<u>PREAMBLES</u>					
Design responsibility for structural member connections:					
A 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			

	Description	Qty	Unit	Rate	€	c
	<u>MAIN ROOF:</u>					
	<u>STRUCTURAL STEELWORK</u>					
	ROOF STEELWORK					
	<u>Structural steel to BSEN1090; design of steel structures to BSEN1993.1; design of structural steelwork in building to BS5950.1; all steel work tpo be grade 355 unless noted otherwise. SHS and CHS section to be grade 275 grade; bolted connections to use grade 8.8 black bolts; all in accordance with Engineer's drawings and specifications</u>					
	Fabricated members; beams; not exceeding 25kg/m					
A	203x102xUB23; to support wallplate for rafters	0.30	t			
B	203x102xUB23; Hip rafter	0.20	t			
	Fabricated members; beams; exceeding 25kg/m but not exceeding 50kg/m					
C	254x146xUB31; Support metal web joist rafters	0.60	t			
	<u>Structural steel to BSEN1090; design of steel structures to BSEN1993.1; design of structural steelwork in building to BS5950.1; all steel work tpo be grade 355 unless noted otherwise. SHS and CHS section to be grade 275 grade; bolted connections to use grade 8.8 black bolts; galvanised finish to external steelwork as specified ; all in accordance with Engineer's drawings and specifications</u>					
	Fabricated members; beams; not exceeding 25kg/m					
D	90x90x7 RSEA; Galvanised angle	0.30	t			
E	90x90x7 RSEA; Galvanised angle under outer leaf to be supported by RC beam through 125 x 65 PFC Channel sections welded to back of RSEA and bolted through RC beam with 2 No M12 Bolts at 600mm c/c	0.60	t			
F	fittings	0.21	t			

	Description	Qty	Unit	Rate	€	c
A	Zinc phosphate primer coat protective paint finish to steel work ; prepare surface by blast cleaning to grade SA2 1/2 and paint with build zincephosphate primer to give DFT of not less than 80 micorons unless noted elsewhere ; all in accordance with Engineer's specifications					
	Protective coatings; applied off site; painting					
B	beams	2.35	t			
C	fittings	0.25	t			
	<u>HOIST STEELS</u>					
	<u>STRUCTURAL STEELWORK</u>					
	ROOF STEELWORK					
	<u>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 S275 hot finished steel structural hollow closed sections to BSEN10210; grade 8.8 black bolts to BS4190 with sheradised coating to BS7371.8; all in accordance with Engineer's drawings and specifications</u>					
	Fabricated members; beams; not exceeding 25kg/m					
	Fabricated members; beams; exceeding 25kg/m but not exceeding 50kg/m					
D	254x102xUB28; Support ceiling hoist	0.60	t			
E	fittings	0.06	t			

	Description	Qty	Unit	Rate	€	c
	<u>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 Engineer's specifications</u> Protective coatings; applied off site; painting					
A	beams	0.60	t			
B	fittings	0.06	t			
	<u>TIMBER FLAT ROOFS</u>					
	<u>WOODWORK</u>					
	STRUCTURAL & FIRST FIXINGS					
C	All products used to have CE Certification. Data sheets to be forwarded to design team for approval prior to product being used on site.		Note			
D	Where the design of timber structural members is not provided by Consulting Engineers the Contractor shall make provision in his rates for all costs associated with the design of the timber structures by a competent firm of Engineers experienced in the design of comparable structures. The Contractor shall submit to the Engineer for his approval design calculations and stress diagrams for all structural members as well as the specification for the proposed materials to be used. The design shall conform BS 5268 1984 (and IS 193 where appropriate) where applicable, and shall be submitted in such detail as the Engineer may require to satisfy himself as to the adequacy of the structure through all stages of construction and serviceable life of the building.		Note			

	Description	Qty	Unit	Rate	€	c
	<u>Structural softwood (graded direct to strength class). Grading standard: To BS 4978, BS EN 14081-1, or other national equivalent and so marked. Strength class to BS EN 338: C16. Treatment: 1. Exposed ends of all structural timbers to be treated with protim or equivalent wood preservative; sawn finish; treated; fixed to existing joists for strengthening; all in accordance with Architect's and Engineers drawings and specifications</u> First fixings; Main roof					
A	cross-section, 225mm x 44mm; (C16 Rafters); sloping	300	m			
	<u>First fixings; Main roof (Flat Roof)</u>					
B	cross-section, 225mm x 44mm; (C16 Ceiling Joists)	506	m			
C	cross-section, 225mm x 44mm; (C16 Rafters); trimmers at rooflights	12	m			
	<u>Proprietary metal web joist; 304mm deep at 400mm centres; to manufacturers design and details, all in accordance with Engineers drawings</u>					
	Carcassing					
D	cross section, 304 x 72 x 47 mm	713	m			
	<u>Proprietary metal web joist; 254mm deep at 400mm centres; to manufacturers design and details, all in accordance with Engineers drawings</u>					
	Carcassing					
E	cross section, 254 x 72 x 47mm	103	m			

	Description	Qty	Unit	Rate	€	c
	IRONMONGERY, ACCESSORIES & SUNDRIES					
	<u>Galvanised low carbon to national approved standard twisted straps; 30mm x 5mm thick; bends -1; at 2000mm centres over a minimum of 3 joists; including for all associated blocking pieces and associated fixing between JJI joists at strap locations; refer to manufacturers guideline for installation instructions; all in accordance with Engineers drawings</u>					
	Accessories					
A	roof strap	52	nr			
	<u>WORKS TO EXISTING BUILDING</u>					
	<u>TIMBER FLAT ROOFS</u>					
	CONCRETE WORK					
	<u>IN-SITU CONCRETE</u>					
	<u>Insitu concrete; grade C28/35; wrapped in D49 mesh; maximum aggregate size 20mm; vibrator compacted; all in accordance with Engineers drawings and specifications</u>					
	Column casings					
B	cross sectional area not exceeding 0.10m2	2	m3			
	<u>FORMWORK</u>					
	<u>Basic finish; all in accordance with the Engineer's drawings and specifications</u>					
	Column casings; isolated					
C	rectangular	4	m2			
	<u>WOODWORK</u>					
	STRUCTURAL & FIRST FIXINGS					
	<u>First fixings; Main roof (Flat Roof)</u>					
D	cross-section, 150X44mm; (C16 Joists)	29	m			

	Description	Qty	Unit	Rate	€	c
A	cross-section, 225mm x 44mm; (C16 Joists); trimmers at rooflights	13	m			
B	cross-section, 75mm x 44mm; (C16 Studs); to form tunnel	11	m			
C	cross-section, 175mm x 44mm; (C16 rafter); either side of opening	11	m			
	<u>STRUCTURAL STEELWORK</u>					
	ROOF STEELWORK					
	<u>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 S275 hot finished steel structural hollow closed sections to BSEN10210; grade 8.8 black bolts to BS4190 with sheradised coating to BS7371.8; all in accordance with Engineer's drawings and specifications</u>					
	Fabricated members; beams; not exceeding 25kg/m					
D	80x80x8SHS (galvanised)	0.30	t			
E	203x102xUB23; to support wallplate for rafters	0.30	t			
F	fittings	0.30	t			
	Fabricated members; beams; exceeding 25kg/m but not exceeding 50kg/m					
G	150PFC90 (galvansied)	0.30	t			
H	fittings	0.12	t			

	Description	Qty	Unit	Rate	€	c
A	<u>Hilti or equivalent M16 chemical anchor system; injectable hybrid mortar adhesive and Hilti 'HIT.Z' zinc plated carbon steel anchor rod, or equivalent chemical bonded anchor bolt system for use in precast concrete to support steel angles; install in accordance with manufacturer's instructions; all in accordance with Engineer's drawings and specifications</u> Bolts; fixing to reinforced concrete structure size M16; length 200mm <u>Beam base plate connection to insitu concrete pad; holding down bolt assembly; 200 x 200 x 20mm base plate with 4 No M20 resin fixed into insitu pad as detailed; 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 S209A for further details and requirements</u>	8	nr			
B	Holding down assemblies; 200 x 200 x 20mm <u>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 Engineer's specifications</u>	2	nr			
C	Protective coatings; applied off site; painting beams	0.69	t			
D	fittings	0.10	t			

	Description	Qty	Unit	Rate	€	c
	IRONMONGERY, ACCESSORIES & SUNDRIES					
	<u>Galvanised low carbon to national approved standard twisted straps; 30mm x 5mm thick; bends -1; at 2000mm centres over a minimum of 3 joists; including for all associated blocking pieces and associated fixing between JJI joists at strap locations; refer to manufacturers guideline for installation instructions; all in accordance with Engineers drawings</u>					
	Accessories					
A	roof strap	4	nr			
B						
	<u>WORKS AT TIE IN TO EXISTING ROOF</u>					
	<u>DEMOLITION & ALTERATION</u>					
	ALTERATIONS					
	<u>Cut back rafter to remove overhang</u>					
	Cutting					
C	remove overhang (Architect's Drawing Nr. TR-09 & TR-19)	17	m			
	<u>Existing fascia and backing boards; make good structure and finishes disturbed</u>					
	Removing & Reinstate					
D	fixtures and fittings; 15m; (Architect's Drawing Nr. TR-09 & TR-19)	1	nr			
	<u>Existing soffit and backing boards; make good structure and finishes disturbed</u>					
	Removing & Reinstate					
E	fixtures and fittings; 15m; (Architect's Drawing Nr. TR-09 & TR-19)	1	nr			
	<u>Existing roof tiles and battens of where existing roof meets new roof ; make good structure and finishes disturbed</u>					
	Removing & Reinstate					

	Description	Qty	Unit	Rate	€	c
A	Finishes; (Architect's Drawing Nr. TR-09 & TR-19) <u>EXTERNAL WALL FINISHES</u> <u>WOODWORK</u> <u>IRONMONGERY, ACCESSORIES AND SUNDRIES</u> <u>100mm PIR Board Kingspan or similiar approved to standard BS 3533:1981 to existing wall upstand ; Thermal conductivity : 0.037W/(mk) Reaction to fire class F. Additional requirements: jointing strip for connecting vertical sections.100mm wide Vertical DPC to all ope reveals.Close-R uni-ties fitted to manufacturers specification to secure closer into block coursing. Placement: Continuous and free of mortar and debris; all installations in accordance with Manufacturers instructions; all in accordance with Architects drawings and specifications; refer to architects drawing for further details and requirements</u> Insulation	13	m2			
B	>300mm	13	m2			

	Description	Qty	Unit	Rate	€	c
	<u>ROOF FINISHES</u>					
	<u>ROOFING CLADDING AND WATERPROOFING</u>					
	RIGID SHEET COVERINGS					
	<u>Softwood Plywood or OSB3 to an approved national standard between rafters to take new membrane ; thickness 18mm; Durability Class H, Softwood Plywood to BS 6566 or BS5268 equivalent approved national standard ; all installations in accordance with Manufacturers instructions; all in accordance with Architects drawings and specifications; refer to architects drawing for further details and requirements</u>					
A	Roofing between rafters	13	m2			
	<u>Roof Coverings ; Kingspan Quadcore Topdek insulated roof panels or equivalent hot welded standing seam onto roof panel ; Standard: BS EN ISO 9001, BS EN ISO 14001, BS EN ISO 45001, BS EN ISO 50001, BE ISO 37301; Panels: Self supporting insulated roof deck comprising a high performance single ply PVC membrane with insulation and a trapezoidal steel deck. Factory made products; Panel construction - Panel internal face, Material: Steel, Grade: S220GD, Profile: Trapezoidal ; Core insulation: Quadcore 120mm; Outer skin 1.5mm thick PVC membrane from IKO Armourplan or Sika Trocal; Inner skin .0015mm cleansafe ; 1 installations in accordance with the manufacturers instructions; as per Architects specification associated with the cladding; refer to Architect's drawings for further details and information</u>					
B	Roofing; horizontal width over 300mm	13	m2			

Description		Qty	Unit	Rate	€	c
A	Ventilator slates: to facilitate veniltatoin system outlets and the like; roof cowel vents to match roof slate; - Manufacturer: Contractor's choice. Product reference: Submit proposals; including all required flashings; as specified					
	Special Tiles purpose made tiles	11	nr			

Description	Qty	Unit	Rate	€	c
COLLECTION					
Page No. BQ/200					
Page No. BQ/201					
Page No. BQ/202					
Page No. BQ/203					
Page No. BQ/204					
Page No. BQ/205					
Page No. BQ/206					
Page No. BQ/207					
Page No. BQ/208					
Page No. BQ/209					
Page No. BQ/210					
Page No. BQ/211					
EL (27) ROOFS Carried to Summary					

	Description	Qty	Unit	Rate	€	c
	<u>INFORMATION</u> 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. 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. 4. Concrete beams are measured between columns, except where shown on Structural Engineer's drawings as being continuous over columns. <u>CONCRETE WORK</u> <u>IN-SITU CONCRETE</u> <u>Reinforced in-situ concrete; cement combination comprising 35% GGBS and 65% CEM II/A to be used; grade C28/35; Exposure Class XC1; minimum cement content 360kg/cu.m.; maximum water/ cement ration: 0.50; aggregate size 20mm but 10mm for structural screeds; including fibremesh to BS EN 14889-1, carbon steel, flat end, tensil strength 1150 N/mm2; size 50mm; addition rate minimum: 40kg/cu.m; all in accordance with Engineer's drawings and specifications; vibrated</u> Beams; reinforced A cross section area < or = 0.10m2 8 m3 Columns; reinforced B cross section area < or = 0.10m2 1 m3		Note			
			Note			
			Note			
			Note			

	Description	Qty	Unit	Rate	€	c
	<u>Insitu concrete bearing pads; C30/37</u> <u>insitu concrete bearing pads; include for</u> <u>concrete; formwork and the like to</u> <u>complete same on 215mm walls; refer to</u> <u>Engineers drawings and specifications;</u> <u>refer to drawing for further details and</u> <u>requirements</u>					
	Bearing pads for steel beams					
A	L440xW215xH215	1	nr			
	SUNDRIES					
	<u>Wood floated finish to top surface of</u> <u>concrete as per Architects & Engineers</u> <u>Drawings and specifciations; in accordance</u> <u>with IS EN 206-1: Concrete Specification,</u> <u>Performance, Production and Conformity</u>					
	Surface finishes; trowelling					
B	beams	16	m2			
C	columns	1	m2			
	REINFORCEMENT					
	<u>Steel bar reinforcement to BS4449; high</u> <u>yield steel with characteristic strength</u> <u>500MPa; hot rolled deformed bars; bending</u> <u>and cutting to BS8666; concrete cover to</u> <u>BSEN1992 (EC2); all in accordance with</u> <u>Engineers drawings and specifications</u>					
	Bar; straight or bent					
D	<or= 12mm diameter	0.30	t			
E	>12<or=25mm diameter	0.60	t			
F	diameter >25mm	0.30	t			
	Bar; links					
G	<or= 12mm diameter	0.30	t			

	Description	Qty	Unit	Rate	€	c
	FORMWORK					
	<u>Fine fairfaced smooth finish formwork as per Architects & Engineers Drawings and specifciations; in accordance with IS EN 206-1: Concrete Specification, Performance, Production and Conformity</u>					
	Beams; attached; rectangular					
A	soffit height < 4.00m; cross sectional area not exceeding 0.10m2	82	m2			
	Columns; isolated; rectangular					
B	< 4.00m high	9	m2			
	<u>STRUCTURAL STEELWORK</u>					
	STEELWORK					
	<u>Structural steel to BSEN1090; design of steel structures to BSEN1993.1; design of structural steelwork in building to BS5950.1; all steel work tpo be grade 355 unless noted otherwise. SHS and CHS section to be grade 275 grade; bolted connections to use grade 8.8 black bolts; all in accordance with Engineer's drawings and specifications</u>					
	Fabricated members; beams; not exceeding 25kg/m					
C	203x102xUB23; (Cantilever beam)	0.30	t			
D	Zinc phosphate primer coat protective paint finish to steel work ; prepare surface by blast cleaning to grade SA2 1/2 and paint with build zincephosphate primer to give DFT of not less than 80 micorons unless noted elsewhere ; all in accordance with Engineer's specifications					
	Protective coatings; applied off site; painting					
E	beams	0.30	t			

Description		Qty	Unit	Rate	€	c
IRONMONGERY, ACCESSORIES & SUNDRIES						
<u>Galvanised straps to cantilevered beams 30</u> <u>x 3mm x 900mm ; Straps to be screw fixed</u> <u>to blockwork with 3 no. 5mm screws per</u> <u>strap ; refer to manufacturers guideline</u> <u>for installation instructions; all in</u> <u>accordance with Engineers drawings S123</u> <u>for further details</u>						
Accessories						
A	vertical restraint straps	2	nr			

	Description	Qty	Unit	Rate	€	c
	<u>INFORMATION</u>					
	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			
	<u>BRICKWORK AND BLOCKWORK</u>					
	<u>ANCILLARIES TO BRICKWORK/BLOCKWORK</u>					
	<u>PIR insulation proprietary closer or equivalent, Standard: BS EN 13165, Product certification: British board of Agreement (BBA) certified number, Manufacturer: contractor to submit proposal, Product reference: Cavity Therm jamb with Close-R or equivalent, Recycled content: None permitted, Face size: (nominal length x width: 1200 x 450mm, thickness (nominal) 31.5 x 170mm piece to suit 150mm cavity, Thermal conductivity: 0.2 W/(m.K); Reaction to fire class: F, Additional requirements: jointing strip for connecting vertical sections. 100mm wide Vertical DPC to all ope reveals. Close -R uni-ties fitted to manufacturers specification to secure closer into block coursing; all installations in accordance with Manufacturers instructions and in accordance with Architects & Engineers drawings and specifications</u>					
	Closing cavities at openings for windows/doors					
A	cavity width 150mm; cills	24	m			
B	cavity width 150mm; closer 250mm wide; chamfered to under side of Pressed metal cills; as per detail on Architects Drg Nr TR-17	6	m			
C	cavity width 150mm; heads	66	m			
D	cavity width 150mm; jambs	123	m			

	Description	Qty	Unit	Rate	€	c
	<u>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</u> Damp proof courses					
A	width not exceeding 225mm; horizontal; under cill supports	29	m			
B	width exceeding 225mm; vertical; jambs	43	m2			
C	width exceeding 225mm; stepped; over windows & doors	30	m2			
D	width exceeding 225mm; horizontal; under cills	11	m2			
	<u>WOODWORK</u>					
	STRUCTURAL AND FIRST FIXINGS					
	<u>Sawn softwood timber to ISEN1995; strength class C16; organic solvent treated</u>					
	First fixings; continuous packing grounds for window boards and window /door liners; fixed to concrete beam/blockwork;					
E	cross section 20mm x 20mm	376	m			
	<u>First Fixings; continuous packing, treated timber cill support for underneath all cills; fixed to concrete beam/blockwork;</u>					
F	cross section 40mm x 100mm	68	m			

	Description	Qty	Unit	Rate	€	c
	BOARDING AND SECOND FIXINGS					
	<u>Medite Ecologique MDF (Zero Formaldehyde)</u> <u>window board; 25mm thick, moisture</u> <u>resistant grade to BS 1 142; bullnosed</u> <u>edge, with 60 x 25mm softwood cover trim;</u> <u>fix with lost head nails at 600mm centres;</u> <u>wood & insulation background; mastic</u> <u>sealing as detailed; fixed on treated</u> <u>softwood shims / timber packers (measured</u> <u>elsewhere), all in accordance with</u> <u>Architect's drawings and specification</u> <u>P20/1</u>					
	Second fixings; window boards					
A	width 240mm; window boards	29	m			
B	<u>extra over</u> for 20mm Compacfoam packer under window board; refer to Architect drawings for further details & requirements	29	m			
	Second fixings; liners to windows and doors ; fixing with Hilti HUS 6 or equivalent fixings					
C	width 225mm; heads	66	m			
D	width 225mm; jambs	123	m			
E	<u>extra over</u> for 20mm Compacfoam packer under windows/doors liners; refer to Architect drawing for further details & requirements	189	m			

	Description	Qty	Unit	Rate	€	c
	IRONMONGERY/ACCESSORIES/SUNDRIES					
	<u>BJP Window Controls 'Maxi Operator' or equal approved heavy duty manual telescopic remote opening device system, including all necessary accessories; colour TBC; minimum opening distance 240mm; 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</u>					
	Ironmongery; electrical remote opening device to suit top hung opening sections in the following window types as indicated on Architects drawing Nr TR - 10					
A	Type D, Windows, bank of 3nr openings; (Ref: WN008 & WN014)	6	nr			
B	Type K; Windows; bank of 3nr openings; (Ref:WN018)	3	nr			
C	Type L; Windows; bank of 2nr openings; (Ref: WN020)	2	nr			
	Ironmongery; manual remote opening device to suit top hung opening sections in the following door types as indicated on Architects drawing Nr TR - 10					
D	Type B; External Door, bank of 2nr openings; (Ref: ED03, ED04 & ED05)	3	nr			

	Description	Qty	Unit	Rate	€	c
	<u>BJP Window Controls ACK4 'Mac' single chain electric actuator or equal approved 230v electrical remote opening device system with reverse polarity for open/close operation and should have automatic limit switching between 90mm and 400mm, effective stroke distance of high-level windows to be 240mm (to ensure adequate free openable area), including all necessary accessories; colour TBC; 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</u> Ironmongery; electrical remote opening device to suit top hung opening sections in the following window types as indicated on Architects drawing Nr TR - 10					
A	Type E; high level window, 2nr openings; (Ref: WN022 & WN024)	4	nr			
B	Type F; high level window, 1nr opening; (Ref:WN028 & WN029)	2	nr			
	<u>METALWORK</u>					
	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 relevant Architects specifications and shall refer to same when pricing windows		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			

Description	Qty	Unit	Rate	€	c
All ironmongery, locking mechanisms, hardware and the like are deemed to be included EVIDENCE OF PERFORMANCE: Provide independently certified test evidence that all specified window and curtain wall systyems, double glazed units and sealants along with other variants of components comply with specified performance requirements (including Average Thermal Properties of u-value 1.4w/m2k to be acheived) U-VALUE: The centre pane "U" value of each sealed unit should acheive a target figure of 1.4Wm2/K. Each fabricator/installer must demonstrate compliant glass choice with tender return. All glazing shall conform to BS6262. Use thermally broken warm edge spacer in the double glazed units to increase thermal efficiencies. All windows shall contain sealed units, which shall be manufactured in accordance with EN1279 Parts 2 and 3 and carry the necessary and appropriate guarantee 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 block work 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.		Note			
		Note			
		Note			
		Note			
		Note			

Description	Qty	Unit	Rate	€	c
SHOP DRAWINGS: A full set of shop drawings are to be completed and issued to the design team for approval, which show all interfacing details with the building structure. These details should indicate what aluminium system is being used and the location where it is being used and that no risk of cold bridging exists. Thermal analysis software such as Flixo or Athena is to be used to confirm the thermal efficiency of all interfacing details, aluminium profiles and glazing materials. All isolators and barriers are to be called up on these drawings, which are being used to prevent bimetallic corrosion. All the details are to be fully labeled, dated and revisions noted and approval of the design team should be received prior to works commencing. CONTROL SAMPLES: After finalizing all details, prepare 1200mm high X 900mm wide sample of fixed and top-hung openable vent, complete with all ironmongery, as part of the quantity required for the project, and obtain approval of appearance and workmanship by the Architect before proceeding with manufacture of the remaining quantity. WARRANTY REQUIREMENTS: 10 year guarantee against manufacturing and material defects structural distortion, joint failure of aluminium frame systems. 10 year guarantee for double and triple-glazed sealed units from date of delivery covering seal failure and internal condensation (misting between panes). 2 year guarantee against functional failure in the ironmongery. 10 year guarantee for paint and powder coatings: (25 years for high-grade Qualicoat standards) against peeling, cracking, major color fading or severe corrosion. CORE REQUIREMENTS TO MAINTAIN VALIDITY: Professional Installation: Must be fitted by certified technicians following the manufacturers specific structural guidelines.		Note			
		Note			
		Note			
		Note			

Description	Qty	Unit	Rate	€	c
Regular Maintenance: Routine cleaning of aluminium profiles and hardware using non-abrasive cleaners, often required on a scheduled or annual basis		Note			
Environmental Restrictions: Reduced warranty terms (sometimes limited to 5 years) if the building is located within 1,000 to 2,000 metres of a harsh marine or coastal environment unless specialised marine-grade finishes are explicitly purchased.		Note			
Exclusions: Normal wear and tear, physical glass breakage post-installation, scratches not visible from 2 metres away under normal light, and damage caused by third-party alterations are universally excluded.		Note			
The proposed window system should be a thermally broken window constructed using double polyamide strips and when assembled should have a minimum of 3 cavities forming a high performance thermal barrier. The total dept of the assembled window section from front to back should not be any less than 60mm and should contain center seals and thermally enhancing foams in the cavities. The proposed window system should be an open out casement window with a wrap around espagniollette multipoint locking system allowing for extra large sashes. The system names are given for guidance only and documentation will still be required showing how the proposed system meets with the requirements of the contract.		Note			
MATERIALS: All profiles to be extruded from aluminium alloy 6060 T6, T5 or T4 to BS EN 12020-2; 2001 / BS 755-9; 2001 and with polyamide thermal break sections manufactured from glass reinforced nylon sections capable of withstanding temperatures in excess of 200 deg C. All windows shall be manufactured to comply with BS4873		Note			

Description	Qty	Unit	Rate	€	c
STRUCTURE: All structural profiles to be designed so as the maximum deflection of any member shall not exceed L/175 of its span with any evidence of any permanent deformation once the load has been removed. All vents shall be sized in accordance with the guidelines detailed in Metal Technologys technical literature. MANUFACTURER AND REFERENCE: Window system to be "APA DL670 Polymide Casement" or Kanweer 601 casement" or "Technal FXi46p Polyamide Commercial window system or "Metal Technology 4-20 Thermally Enhanced Polyamide Casement or equivalent to Architects approval The window, louvre, screen installation will include all products, fixings, and interface components necessary to provide a weatherproof and air tight (Class A4) enclosure in accordance with the design requirements and contract conditions. Minimum Exposure category (Design wind load): 1200 (Pa) or higher if deemed necessary by BS6399 - Part 2: 1997. GLASS AND GLAZING: All Windows to be glazed with 24mm/28mm double glazed units, low 'E' argon filled glazing units to meet U Value of 1.4W/SqMK. Safety glass to be 6.8mm laminated to BS 6262 & BS6201- Glass in Buildings. All glazing must be installed in accordance with BS 6262 and the double glazed unit manufacturers and system suppliers instructions. To EN 1279, hermetically sealed and Kite mark certified. Safety glass to BS 6262, 6mm standard outer glass, 16mm low 'E' argon filled cavity, 6.8mm laminated inner glass Where there is a risk of impact, glazing to be impact resistant laminated safety glass such as SGG Stapid to comply Class C of BS EN 6262: Part 4 and BS EN 12600:2002 All windows shall contain sealed units, which shall be manufactured in accordance with EN 1279 Part 2 and 3 and carry the necessary and appropriate guarantee.		Note			
		Note			
		Note			
		Note			
		Note			
		Note			
		Note			
		Note			

Description	Qty	Unit	Rate	€	c
The total solar transmittance of the window shall not be greater than 60%		Note			
The glazing light transmittance factor shall not be less than 70%		Note			
Clerestory high level windows to have sandblasted finish to Face 2 of double-glazed units to reduce glare.		Note			
Any perimeter taping must be transparent to permit inspection of unit edge condition.		Note			
GLAZING SYSTEM: All double-glazed units, panels and inserts shall be supported continuously along all four edges by specialised glazing support blocks. All windows shall be dry glazed using external 'snap in' extruded aluminium beads with captive 'E' gaskets externally and wedge gasket internally. The corners of the gaskets shall be accurately mitred together and sealed to ensure an effective joint. Setting blocks and location pieces shall be fitted in accordance with BS 6262 in order to ensure the windows are maintained square and rigid.		Note			
Any glazing less than 800mm above finished floor level to be safety glass to comply with BS 6262: Part 4		Note			

Description	Qty	Unit	Rate	€	c
FINISHES, SEALANTS & IRONMONGERY: Polyurethane Foam: To fill gaps around windows and door frames to be fire-retardant grade to DIN standard 4102 or equivalent, Silicone Mastic: Minimum 10mm recessed joint complete with compatible backing rod. Dow Corning or similar low modulus silicone sealant mastic to BS 5889, to selected colours. Finish: Polyester Powder coating Interpon D or Syntapulvin (Not a mixture of both) applied by Qualicaot approved applicator using a standard RAL colour in matt finish to EN12206-1 (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, chromate primer 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. It will be the responsibility of the fabricator/installer to ensure that all profiles, panels, flashings, pressings and other necessary trims associated with his works are processed in one batch to ensure continuity of finish. Fixings and fastenings: stainless steel, cadmium plated steel or other corrosion resistant finishes permitted under BS 4873 All doors/ windows to be complete with all ironmongery, locking mechanisms, hardware and the like. Handles shall suit espagniollette wrap around multipoint locking type as selected. The opening is to be restricted to a distance to be 80mm maximum for child safety and to ensure adequate free openable area. To meet the required security level and safety standard all lower opening vent frames shall be fitted with one non releasable locking restrictor. These will restrict the window opening to 80mm in line with the rapid ventilation calculations. These should be fitted in accordance with manufacturers recommendations and as detailed in their technical literature.		Note			
		Note			
		Note			

Description	Qty	Unit	Rate	€	c
Hinges shall be 17mm stainless steel, balanced and restricted stay hinges capable of carrying the weight of the sashes. All opening vents on all levels shall be fitted with a pair of storm balanced stainless steel friction hinges sized in accordance with manufacturers technical literature and fitted in accordance with the manufacturers recommendations.		Note			
Masterkey to be provided for all internal and external doors		Note			
All coloured insulated metal spandrel panels where shown on drawings to be included in window / door rates		Note			
All windows to have restrictors		Note			
Where reachable all handles to the upper vents shall be operated by a pole window pull mechanism engaging an adapted standard single handle espagnolette locking handle.		Note			
Telescopic Remote opening devices to be Teleflex Gear or BJP window controls or equivalent to Architects approval		Note			
Where opening window inserts are considered to be unreachable they shall be fitted with manual Teleflex window gear. Each set of windows shall be controlled by 1 No. Morse Midi operator (Part No. 714600); windows shall be opened using Morsse 250mm chain openers (213241) with conduit, teleflex cable and saddle fixings to wall. All components shall be finished in a white polyester powder coated paint finish.		Note			
Where indicated on drawings, the windows shall be controlled by chain operated actuators with 230v motors with reverse polarity for open/close operation and should have automatic limit switching between 90mm and 400mm, effective stroke distance of high-level windows to be 240mm (to ensure adequate free openable area).		Note			

Description	Qty	Unit	Rate	€	c
Where indicated on drawings, each window shall incorporate a 'Titon Maxiglaze' or equivalent glazed-in ventilator and shall be polyester powder coated offering a single colour facility to match the window profiles. They should be fitted with an external, aluminium hood. The glazed in vents should be fitted with rod control.		Note			
Each vent must be capable of providing a minimum free airflow in accordance with Part F of the current building regulations. Vents shall be tested to BS6375 Part 1 1989, and achieve Category C-600Pa wind & water tightness.		Note			
All trickle vents where shown on drawings to be included in window/ door rates; Permavents to achieve a minimum air tightness of 4m3/hr/m2 at 50pa, Pull cord control to permavent to be included in window / door rate where shown on Architects drawing		Note			
QUALITY ASSURANCE AND TECHNICAL SUPPORT: Manufacture of doors, frames, ironmongery and other components for door assemblies shall be executed under comprehensive Quality Assurance schemes to ISO9002. This quality management standard is additional to individual performance requirements. The Quality Assurance Manual of each manufacturer of components of door assemblies which must achieve fire, smoke and/or acoustic control rating(s) shall require that every such component be of identical construction to the equivalent component as included in any performance test(s) and/or assessment(s) used to support such rating(s). Provide written confirmation thereof, with copies of the appropriate section(s) of the Quality Assurance Manual(s). The supplier's qualified staff shall provide full, technical support, properly prepare and maintain door and ironmongery schedules and master key layouts and advise on specification, installation and operation.		Note			

Description	Qty	Unit	Rate	€	c
TEST REQUIREMENTS: The proposed window system must have been be fully tested to the following standards by a UKAS registered testing laboratory with the classification of the result being based on BS6375 Part 1 2004. Watertightness; - to 1000 Pa (exceeding Class 7B), Air Permeability: - to 1000Pa (exceeding Class A4), Wind resistance; - to 2200pa. THERMAL PROPERTIES AND REQUIREMENTS: The double glazed unit U-value shall not be greater than 1.1Wm2/Kand the combined U-value total of all the windows and curtain wall screens fully glazed shall not be greater than an average of 1.4Wm2/K. Verification will be required that the system being offered meets or exceeds these requirements. Stating that the system being offered meets with Document L will not be accepted. The use of software such as Flixo and LogiKal will be accepted to prove a system meets with the specifications. All edges and interfaces must be fully insulated to prevent any form of cold bridging or thermal deficiency. All windows and screens are to have a secondary air seal as standard and all details should indicate the size shape and materials to be used in the formation of this seal.		Note			
		Note			

Description	Qty	Unit	Rate	€	c
ENTRANCE DOORS: The door system proposed for this location is double swing commercial doors double-glazed with laminated glass to BS 6201 and BS6262. Side styles including bead are to be 105mm wide along with a 80mm top rail and bottom rails including bead of 120mm. The dept of the door profiles is not to be less than 47.5mm, The doors are to open in direction as per plans and are to be controlled by concealed Dorma or equal overhead door closers. All doors to have level access thresholds in accordance with Part M 2022. Note Main Entrance Doors have a fully integrated automatic opening mechanism, ALL Other doors to have access controlled electronic locks (refer to ironmongery schedule), All 4 edges of the doors are to have a seal made up of two lines of brush draft excluder and the threshold is to be wheel chair accessible. Doors are to be fitted with pull handles and dead locks, (sample approval required). Any secondary steel required by the proposed glazing system to be supplied and included for within the proposed glazing system costs.		Note			
		Note			

Description	Qty	Unit	Rate	€	c
Aluminium double glazed window system; thermally broken double glazed aluminium frame window units; Window system to be "APA DL670 Polymide Casement" or Kanweer 601 casement" or "Technal FXi46p Polyamide Commercial window system or "Metal Technology 4-20 Thermally Enhanced Polyamide Casement or equivalent to Architects approval, All profiles to be extruded from aluminium alloy 6060 T6, T5 or T4 to BS EN 12020-2; 2001 / BS 755-9; 2001 and with polyamide thermal break sections manufactured from glass reinforced nylon sections capable of withstanding temperatures in excess of 200 deg C. All windows shall be manufactured to comply with BS4873. All Structural profiles to be designed so as the maximum deflection of any member shall not exceed L/175 of its span with any evidence of any permanent deformation once the load has been removed. All vents shall be sized in accordance with the guidelines detailed in Metal Technologys technical literature. Finish: Polyester Powder coating Interpon D or Syntapulvin (Not a mixture of both) applied by Qualicaot approved applicator using a standard RAL colour in matt finish to EN12206-1 (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, chromate primer 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. Fixings and fastenings: stainless steel, cadmium plated steel or other corrosion resistant finishes permitted under BS 4873, It will be the responsibility of the fabricator/installer to ensure that all profiles, panels, flashings, pressings and other necessary trims associated with his works are processed in one batch to ensure continuity of finish. All Windows to be glazed with 24mm/28mm double glazed units, low 'E' argon filled glazing units to meet U Value of 1.4W/SqMK.					

Description	Qty	Unit	Rate	€	c
All glazing must be installed in accordance with BS 6262, To EN 1279, hermetically sealed and Kite mark certified, include where indicated all opening sections, insulated metal spandrel panels etc (see window schedule for locations of openings and Insulated metal spandrel panels). Handles shall suit espagniollette wrap around multipoint locking type as selected. The opening is to be restricted to a distance of 80mm maximum for child safety and to ensure adequate free openable area. To meet the required security level and safety standard all lower opening vent frames shall be fitted with one non releasable locking restrictor. These will restrict the window opening to 80mm in line with the rapid ventilation calculations. Accessories: Hinges shall be 17mm stainless steel, balanced and restricted stay hinges capable of carrying the weight of the sashes. All opening vents on all levels shall be fitted with a pair of storm balanced stainless steel friction hinges sized in accordance with manufacturers technical literature and fitted in accordance with the manufacturers recommendations, Where reachable all handles to the upper vents shall be operated by a pole window pull mechanism engaging an adapted standard single handle espagnolette locking handle, including all ironmongery and accessories as necessary; include cover slips, dividing strips, inserts, lugs, brackets and polyurethane expanding foam to fill gaps around windows and door frames, to be fire retardant grade to DIN standard 4102, Silicone mastic, minimum 10mm recessed joint, low modulus silicone sealant mastic to BS 5889, to selected colours, 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 422011-TR-10 for external window schedules and Architects specification for further information and requirements Composite items; windows					

	Description	Qty	Unit	Rate	€	c
A	Type A - 1200mm wide x 2200mm high, incorporating 2 Nr 865mm high x 600mm wide polyester powder coated insulated metal spandral panels as indicated, Colour: to match window, (Ref: W002, W003)	2	nr			
B	Type C - 1200mm wide x 2700mm high, incorporating 2 Nr 865mm high x 600mm wide polyester powder coated insulated metal spandral panels as indicated, Colour: to match window, (Ref: W007, W019)	2	nr			
	<u>Extra over</u> on the above for;					
C	pressed metal flashing piece at floor of windows units; include for fixings and other necessary flashing/ weatherproofing components required for installation; all in accordance with manufacturers instructions & Architects drawings and specifications	10	m			
T71101 Scoil Realt na Mara					To Collection €	
Pricing Document						
August 2026						
BQ/235						

Description	Qty	Unit	Rate	€	c
Aluminium double glazed window system; thermally broken double glazed aluminium frame window units; Window system to be "APA DL670 Polymide Casement" or Kanweer 601 casement" or "Technal FXi46p Polyamide Commercial window system or "Metal Technology 4-20 Thermally Enhanced Polyamide Casement or equivalent to Architects approval, All profiles to be extruded from aluminium alloy 6060 T6, T5 or T4 to BS EN 12020-2; 2001 / BS 755-9; 2001 and with polyamide thermal break sections manufactured from glass reinforced nylon sections capable of withstanding temperatures in excess of 200 deg C. All windows shall be manufactured to comply with BS4873. All Structural profiles to be designed so as the maximum deflection of any member shall not exceed L/175 of its span with any evidence of any permanent deformation once the load has been removed. All vents shall be sized in accordance with the guidelines detailed in Metal Technologys technical literature. Finish: Polyester Powder coating Interpon D or Syntapulvin (Not a mixture of both) applied by Qualicaot approved applicator using a standard RAL colour in matt finish to EN12206-1 (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, chromate primer 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. Fixings and fastenings: stainless steel, cadmium plated steel or other corrosion resistant finishes permitted under BS 4873, It will be the responsibility of the fabricator/installer to ensure that all profiles, panels, flashings, pressings and other necessary trims associated with his works are processed in one batch to ensure continuity of finish. All Windows to be glazed with 24mm/28mm double glazed units, low 'E' argon filled glazing units to meet U Value of 1.4W/SqMK.					

Description	Qty	Unit	Rate	€	c
Safety glass to be 6.8mm laminated to BS 6262 & BS6201- Glass in Buildings. All glazing must be installed in accordance with BS 6262, To EN 1279, hermetically sealed and Kite mark certified. (see window schedule for locations of safety glass) including where indicated all opening sections. Handles shall suit espagniollette wrap around multipoint locking type as selected. The opening is to be restricted to a distance of 80mm maximum for child safety and to ensure adequate free openable area. To meet the required security level and safety standard all lower opening vent frames shall be fitted with one non releasable locking restrictor. These will restrict the window opening to 80mm in line with the rapid ventilation calculations. Accessories: Hinges shall be 17mm stainless steel, balanced and restricted stay hinges capable of carrying the weight of the sashes. All opening vents on all levels shall be fitted with a pair of storm balanced stainless steel friction hinges sized in accordance with manufacturers technical literature and fitted in accordance with the manufacturers recommendations, Where reachable all handles to the upper vents shall be operated by a pole window pull mechanism engaging an adapted standard single handle espagnolette locking handle. Telescopic Remote opening devices to be Teleflex Gear or BJP window controls or equivalent to Architects approval where indicated, including all ironmongery and accessories as necessary; include cover slips, dividing strips, inserts, lugs, brackets and polyurethane expanding foam to fill gaps around windows and door frames, to be fire retardant grade to DIN standard 4102, Silicone mastic, minimum 10mm recessed joint, low modulus silicone sealant mastic to BS 5889, to selected colours, 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 422011-TR-10 for external window schedules and Architects specification for further information and requirements					

	Description	Qty	Unit	Rate	€	c
	Composite items; windows					
A	Type D - 2500mm wide x 2700mm high, including 3 Nr telescopic remote opening devices as indicated with minimum stroke distance of 240mm, safety glass to 3 Nr lower panels as indicated, (Ref: W008, W014)	2	nr			
B	Type K - 3000mm wide x 2700mm high, including 3 Nr telescopic remote opening devices as indicated with minimum stroke distance of 240mm, safety glass to 3 Nr lower panels as indicated, (Ref: W018)	1	nr			
C	Type L - 1800mm wide x 2200mm high, including 2 Nr telescopic remote opening devices as indicated with minimum stroke distance of 240mm, Perm-A-Vents, safety glass to 2 Nr lower panels as indicated, (Ref: W020)	1	nr			
	<u>Extra over</u> on the above for;					
D	pressed metal flashing piece at floor of windows units; include for fixings and other necessary flashing/ weatherproofing components required for installation; all in accordance with manufacturers instructions & Architects drawings and specifcations	20	m			

Description	Qty	Unit	Rate	€	c
Aluminium double glazed window system; thermally broken double glazed aluminium frame window units; Window system to be "APA DL670 Polymide Casement" or Kanweer 601 casement" or "Technal FXi46p Polyamide Commercial window system or "Metal Technology 4-20 Thermally Enhanced Polyamide Casement or equivalent to Architects approval, All profiles to be extruded from aluminium alloy 6060 T6, T5 or T4 to BS EN 12020-2; 2001 / BS 755-9; 2001 and with polyamide thermal break sections manufactured from glass reinforced nylon sections capable of withstanding temperatures in excess of 200 deg C. All windows shall be manufactured to comply with BS4873. All Structural profiles to be designed so as the maximum deflection of any member shall not exceed L/175 of its span with any evidence of any permanent deformation once the load has been removed. All vents shall be sized in accordance with the guidelines detailed in Metal Technologys technical literature. Finish: Polyester Powder coating Interpon D or Syntapulvin (Not a mixture of both) applied by Qualicaot approved applicator using a standard RAL colour in matt finish to EN12206-1 (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, chromate primer 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. Fixings and fastenings: stainless steel, cadmium plated steel or other corrosion resistant finishes permitted under BS 4873, It will be the responsibility of the fabricator/installer to ensure that all profiles, panels, flashings, pressings and other necessary trims associated with his works are processed in one batch to ensure continuity of finish. All Windows to be glazed with 24mm/28mm double glazed units, low 'E' argon filled glazing units to meet U Value of 1.4W/SqMK.					

Description	Qty	Unit	Rate	€	c
Safety glass to be 6.8mm laminated to BS 6262 & BS6201- Glass in Buildings. All glazing must be installed in accordance with BS 6262, To EN 1279, hermetically sealed and Kite mark certified. (see window schedule for locations of safety glass) including where indicated all opening sections. Handles shall suit espagniollette wrap around multipoint locking type as selected. The opening is to be restricted to a distance of 80mm maximum for child safety and to ensure adequate free openable area. To meet the required security level and safety standard all lower opening vent frames shall be fitted with one non releasable locking restrictor. These will restrict the window opening to 80mm in line with the rapid ventilation calculations. Accessories: Hinges shall be 17mm stainless steel, balanced and restricted stay hinges capable of carrying the weight of the sashes. All opening vents on all levels shall be fitted with a pair of storm balanced stainless steel friction hinges sized in accordance with manufacturers technical literature and fitted in accordance with the manufacturers recommendations, Where reachable all handles to the upper vents shall be operated by a pole window pull mechanism engaging an adapted standard single handle espagnolette locking handle, including all ironmongery and accessories as necessary; include cover slips, dividing strips, inserts, lugs, brackets and polyurethane expanding foam to fill gaps around windows and door frames, to be fire retardent grade to DIN standard 4102, Silicone mastic, minimum 10mm recessed joint, low modulus silicone sealent mastic to BS 5889, to selected colours, 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 422011-TR-10 for external window schedules and Architects specification for further information and requirements Composite items; windows					

Description		Qty	Unit	Rate	€	c
A	Type B - 800mm wide x 800mm high, including pull cord control to prem-a- vent as indicated, (Ref: W005, W006, W009, W010 & W011)	5	nr			

Description	Qty	Unit	Rate	€	c
Aluminium double glazed window system; thermally broken double glazed aluminium frame window units; Window system to be "APA DL670 Polymide Casement" or Kanweer 601 casement" or "Technal FXi46p Polyamide Commercial window system or "Metal Technology 4-20 Thermally Enhanced Polyamide Casement or equivalent to Architects approval, All profiles to be extruded from aluminium alloy 6060 T6, T5 or T4 to BS EN 12020-2; 2001 / BS 755-9; 2001 and with polyamide thermal break sections manufactured from glass reinforced nylon sections capable of withstanding temperatures in excess of 200 deg C. All windows shall be manufactured to comply with BS4873. All Structural profiles to be designed so as the maximum deflection of any member shall not exceed L/175 of its span with any evidence of any permanent deformation once the load has been removed. All vents shall be sized in accordance with the guidelines detailed in Metal Technologys technical literature. Finish: Polyester Powder coating Interpon D or Syntapulvin (Not a mixture of both) applied by Qualicaot approved applicator using a standard RAL colour in matt finish to EN12206-1 (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, chromate primer 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. Fixings and fastenings: stainless steel, cadmium plated steel or other corrosion resistant finishes permitted under BS 4873, It will be the responsibility of the fabricator/installer to ensure that all profiles, panels, flashings, pressings and other necessary trims associated with his works are processed in one batch to ensure continuity of finish. All Windows to be glazed with 24mm/28mm double glazed units, low 'E' argon filled glazing units to meet U Value of 1.4W/SqMK.					

Description	Qty	Unit	Rate	€	c
Safety glass to be 6.8mm laminated to BS 6262 & BS6201- Glass in Buildings. All glazing must be installed in accordance with BS 6262, To EN 1279, hermetically sealed and Kite mark certified. (see window schedule for locations of safety glass) including where indicated all opening sections. Handles shall suit espagniollette wrap around multipoint locking type as selected. The opening is to be restricted to a distance of 80mm maximum for child safety and to ensure adequate free openable area. To meet the required security level and safety standard all lower opening vent frames shall be fitted with one non releasable locking restrictor. These will restrict the window opening to 80mm in line with the rapid ventilation calculations. Accessories: Hinges shall be 17mm stainless steel, balanced and restricted stay hinges capable of carrying the weight of the sashes. All opening vents on all levels shall be fitted with a pair of storm balanced stainless steel friction hinges sized in accordance with manufacturers technical literature and fitted in accordance with the manufacturers recommendations, Where reachable all handles to the upper vents shall be operated by a pole window pull mechanism engaging an adapted standard single handle espagnolette locking handle. Telescopic Remote opening devices to be Teleflex Gear or BJP window controls or equivalent to Architects approval where indicated, including all ironmongery and accessories as necessary; include cover slips, dividing strips, inserts, lugs, brackets and polyurethane expanding foam to fill gaps around windows and door frames, to be fire retardant grade to DIN standard 4102, Silicone mastic, minimum 10mm recessed joint, low modulus silicone sealant mastic to BS 5889, to selected colours, 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 422011-TR-10 for external window schedules and Architects specification for further information and requirements					

T71101 Scoil Realt na Mara
Pricing Document
August 2026

Description	Qty	Unit	Rate	€	c
Aluminium double glazed window system; thermally broken double glazed aluminium frame window units; Window system to be "APA DL670 Polymide Casement" or Kanweer 601 casement" or "Technal FXi46p Polyamide Commercial window system or "Metal Technology 4-20 Thermally Enhanced Polyamide Casement or equivalent to Architects approval, All profiles to be extruded from aluminium alloy 6060 T6, T5 or T4 to BS EN 12020-2; 2001 / BS 755-9; 2001 and with polyamide thermal break sections manufactured from glass reinforced nylon sections capable of withstanding temperatures in excess of 200 deg C. All windows shall be manufactured to comply with BS4873. All Structural profiles to be designed so as the maximum deflection of any member shall not exceed L/175 of its span with any evidence of any permanent deformation once the load has been removed. Finish: Polyester Powder coating Interpon D or Syntapulvin (Not a mixture of both) applied by Qualicaot approved applicator using a standard RAL colour in matt finish to EN12206-1 (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, chromate primer 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. Fixings and fastenings: stainless steel, cadmium plated steel or other corrosion resistant finishes permitted under BS 4873, It will be the responsibility of the fabricator/installer to ensure that all profiles, panels, flashings, pressings and other necessary trims associated with his works are processed in one batch to ensure continuity of finish. All Windows to be glazed with 24mm/28mm double glazed units, low 'E' argon filled glazing units to meet U Value of 1.4W/SqMK.					

	Description	Qty	Unit	Rate	€	c
	<u>Safety glass to be 6.8mm laminated to BS 6262 & BS6201 - Glass in Buildings. All glazing must be installed in accordance with BS 6262, To EN 1279, hermetically sealed and Kite mark certified. (see window schedule for locations of safety glass), include cover slips, dividing strips, inserts, lugs, brackets and polyurethane expanding foam to fill gaps around window frames, to be fire retardent grade to DIN standard 4102, Silicone mastic, minimum 10mm recessed joint, low modulus silicone sealent mastic to BS 5889, to selected colours, 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 422011-TR-10 for external window schedules and Architects specification for further information and requirements</u>					
	Composite items; windows					
A	Type H - 1000mm wide x 1120mm high, (High level window), fixed glazed panel as indicated, (Ref: W023)	1	nr			
B	Type J1 - 250mm wide x 950mm high, fixed glazed panel, (Ref: W025)	1	nr			
C	Type J1 - 250mm wide x 950mm high, fixed translucent coloured glazed panel, (Ref: W030)	1	nr			
D	Type J2 - 600mm wide x 950mm high, fixed glazed panel, (Ref: W012)	1	nr			
E	Type J2 - 600mm wide x 950mm high, fixed translucent coloured glazed panel, (Ref: W015)	1	nr			
F	Type J3 - 450mm wide x 1400mm high, fixed glazed panel, (Ref: W026)	1	nr			
G	Type J3 - 450mm wide x 1400mm high, fixed translucent coloured glazed panel, (Ref: W031)	1	nr			
H	Type J4 - 800mm wide x 1050mm high, fixed glazed panel, (Ref: W013)	1	nr			

	Description	Qty	Unit	Rate	€	c
A	Type J4 - 800mm wide x 1050mm high, fixed translucent coloured glazed panel, (Ref: W016)	1	nr			
B	Type J5 - 800mm wide x 300mm high, fixed glazed panel, (Ref: W027)	1	nr			
C	Type J5 - 800mm wide x 300mm high, fixed translucent coloured glazed panel, (Ref: W032)	1	nr			
D	Type J6 - 600mm wide x 560mm high, fixed translucent coloured glazed panel, (Ref: W033)	1	nr			
E	Type J7 - 950mm wide x 300mm high, fixed translucent coloured glazed panel, (Ref: W034)	1	nr			
F	Type J8 - 350mm wide x 1300mm high, fixed translucent coloured glazed panel, (Ref: W017)	1	nr			
G	Type J9 - 450mm wide x 550mm high, fixed translucent coloured glazed panel, (Ref: W035)	1	nr			
	<u>AMS XT66 Rebated Aluminium Energy Door or equivalent with Duco Open Louvre Glazed panel P30z. Finish / Colour: Polyester Powder Coating in accordance with Architect specifications, Colour: TBC,; supply and fit to BS4873 as detailed on Architects external door schedule drawings; Handles: sample to be submitted; Accessories: 4 No. SHS Hinges Per Leaf, including all ironmongery and accessories as necessary; 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 422011-ST-10 and Architects specification for further information and requirements</u>					
	Doors (louvred)					
H	Type A - 1800mm wide x 2200mm high; double door; louvred, FD60's, outward opening, (Ref: ED 02)	1	nr			

Description	Qty	Unit	Rate	€	c
Aluminium double glazed door system: swing commercial doors double-glazed with laminated glass to BS 6201 and BS6262. Side styles including bead are to be 105mm wide along with a 80mm top rail and bottom rails including bead of 120mm. The dept of the door profiles is not to be less than 47.5mm, The doors are to open in direction as per plans and are to be controlled by concealed Dorma or equal overhead door closers. All doors to have level access thresholds in accordance with Part M 2022. Note Main Entrance Doors have a fully integrated automatic opening mechanism. All 4 edges of the doors are to have a seal made up of two lines of brush draft excluder and the threshold is to be wheel chair accessible. Doors are to be fitted with pull handles and dead locks, (sample approval required). 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 422011-TR-10 for external window schedules and Architects specification for further information and requirements Doors; with overhead fanlights and associated side panels A Type B - 3600mm wide x 2700mm high; Double Door with 2040mm wide x 500mm high glazed overhead Fanlight & 2 Nr 2700mm high x 780mm wide glazed sidelights; Glass Type: safety glass to 2 Nr lower panels on side lights and 2 Nr door panels as indicated, door on access control linked to fire alarm, outward opening, fire exit (Ref: ED 03)	1	nr			

	Description	Qty	Unit	Rate	€	c
A	<u>extra over</u> for door egress control with alarm and delayed release and electronic motorised latch / bar linked to fire alarm in accordance with EN 13637 to 'SEN Classroom 1', double door set (Ref: ED03), 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 and specification for further details	1	nr			
B	Type B - 3600mm wide x 2700mm high; Double Door with 2040mm wide x 500mm high glazed overhead Fanlight & 2 Nr 2700mm high x 780mm wide glazed sidelights; Glass Type: safety glass to 2 Nr lower panels on side lights and 2 Nr door panels as indicated, door on access control linked to fire alarm, outward opening, fire exit (Ref: ED 04)	1	nr			
C	<u>extra over</u> for door egress control with alarm and delayed release and electronic motorised latch / bar linked to fire alarm in accordance with EN 13637 to 'SEN Classroom 2', double door set (Ref: ED04), 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 and specification for further details	1	nr			
D	Type B - 3600mm wide x 2700mm high; Double Door with 2040mm wide x 500mm high glazed overhead Fanlight & 2 Nr 2700mm high x 780mm wide glazed sidelights; Glass Type: safety glass to 2 Nr lower panels on side lights and 2 Nr door panels, door on access control linked to fire alarm, outward opening, (Ref: ED 06)	1	nr			

	Description	Qty	Unit	Rate	€	c
A	<u>extra over for door egress control with alarm and delayed release and electronic motorised latch / bar linked to fire alarm in accordance with EN 13637 to 'Central Activities Space', double door set (Ref: ED06), 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 and specification for further details</u> <u>Aluminium double glazed door system: swing commercial doors double-glazed with laminated glass to BS 6201 and BS6262. Side styles including bead are to be 105mm wide along with a 80mm top rail and bottom rails including bead of 120mm. The dept of the door profiles is not to be less than 47.5mm, The doors are to open in direction as per plans and are to be controlled by concealed Dorma or equal overhead door closers. All doors to have level access thresholds in accordance with Part M 2022. Note Main Entrance Doors have a fully integrated automatic opening mechanism. All 4 edges of the doors are to have a seal made up of two lines of brush draft excluder and the threshold is to be wheel chair accessible. Doors are to be fitted with pull handles and dead locks, (sample approval required). 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 422011-TR-10 for external window schedules and Architects specification for further information and requirements</u> Doors; with overhead fanlight	1	nr			
B	Type C - 1150mm wide x 2700mm high; single door; with 1150mm wide x 500mm high overhead Fanlight, outward opening, fire push bar, (Ref: ED 05)	1	nr			

	Description	Qty	Unit	Rate	€	c
A	Type C - 1150mm wide x 2700mm high; single door; with 1150mm wide x 500mm high overhead Fanlight, inward opening, (Ref: ED 07)	1	nr			
B	<u>extra over</u> for door egress control with alarm and delayed release and electronic motorised latch / bar linked to fire alarm in accordance with EN 13637 to 'SEN Central Activities space', single door set (Ref: ED07), 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 and specification for further details	1	nr			
C	<u>extra over</u> for door egress control with alarm and delayed release and electronic motorised latch / bar linked to fire alarm in accordance with EN 13637 to 'Corridor 03', single door set (Ref: ED05), 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 and specification for further details	1	nr			

Description	Qty	Unit	Rate	€	c
Reynaers CP130-LS Monorail System or equilavent ; with depth of frame 139mm and rebate height of 25mm; Glass thickness up to 43mm with dry glazing with EPDM or neutral silicones and fibreglass reinforced polyamide strips. The doors are to open in direction as per plans and are to be controlled by concealed Dorma or equal overhead door closers. All doors to have level access thresholds in accordance with Part M 2022. Note Main Entrance Doors have a fully integrated automatic opening mechanism. All 4 edges of the doors are to have a seal made up of two lines of brush draft excluder and the threshold is to be wheel chair accessible. Doors are to be fitted with pull handles and dead locks, (sample approval required). 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 422011-TR-10 for external window schedules and Architects specification for further information and requirements Doors; with overhead fanlights and associated side panels A Type E - 4550mm wide x 2200mm high; Sliding double door with 1 Nr 900mm high x 800mm wide insulated metal spandrel bottom panel and 2 Nr 900mm high x 800mm wide insulated metal spandrel panel bottom panels and 2 Nr 1400mm high x 800mm wide glazed top panel sidelight, safety glass to doors, sliding door, (Ref: ED 08)	1	nr			

	Description	Qty	Unit	Rate	€	c
	<u>Tremco illbruck ME402 Compriband Ali-Tape</u> <u>PB high performance sealant tape or equal</u> <u>approved; seal gap at window/door frame</u> <u>interface with structure; adhere tape to</u> <u>inner face of aluminium frame and concrete</u> <u>blockwork/beam; including ME901 Butyl</u> <u>Primer applied to rough or porous surfaces</u> <u>as necessary; all in accordance with</u> <u>manufacturer's instructions to achieve</u> <u>airtight seal; all installation in</u> <u>accordance with manufacturers instructions</u> <u>to achieve air tightness as specified; all</u> <u>in accordance with Architect's drawings</u> <u>and specifications</u>					
	Fixings; pointing or sealing edges; perimeter of windows & doors					
A	heads	66	m			
B	cills	29	m			
C	thresholds	37	m			
D	jams	123	m			
	<u>Compriband illmod 600 or equal approved</u> <u>sealant; acrylic pre-compressed</u> <u>impregnated sealant strip with self</u> <u>adhesive on one side; apply to external</u> <u>face of aluminium window/door frame at</u> <u>jamb, head and cill junctions to achieve</u> <u>watertight seal at perimeter edges of</u> <u>windows and doors; joint depth 20mm; joint</u> <u>width 8-15mm; all installation in</u> <u>accordance with manufacturers instructions</u> <u>to achieve air tightness as specified; all</u> <u>in accordance with Architect's drawings</u> <u>and specifications</u>					
	Fixings; pointing or sealing edges; perimeter of windows & doors					
E	cills, heads and jams; generally	255	m			
T71101 Scoil Realt na Mara Pricing Document August 2026						To Collection € BQ/253

Description	Qty	Unit	Rate	€	c
<u>PAINTING AND DECORATING</u>					
<u>PAINTING</u>					
<u>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</u>					
Second fixings; window boards/liners					
A girth not exceeding 300mm	218	m			

	Description	Qty	Unit	Rate	€	c
	<u>WORKS TO EXISTING BUILDING</u>					
	<u>FRONT CANOPY EXTENSION</u>					
	<u>BRICKWORK AND BLOCKWORK</u>					
	<u>ANCILLARIES TO BRICKWORK/BLOCKWORK</u>					
	<u>PIR insulation proprietary closer or equivalent, Standard: BS EN 13165, Product certification: British board of Agreement (BBA) certified number, Manufacturer: contractor to submit proposal, Product reference: Cavity Therm jamb with Close-R or equivalent, Recycled content: None permitted, Face size: (nominal length x width: 1200 x 450mm, thickness (nominal) 31.5 x 170mm piece to suit 150mm cavity, Thermal conductivity: 0.2 W/(m.K); Reaction to fire class: F, Additional requirements: jointing strip for connecting vertical sections. 100mm wide Vertical DPC to all ope reveals. Close -R uni-ties fitted to manufacturers specification to secure closer into block coursing; all installations in accordance with Manufacturers instructions and in accordance with Architects & Engineers drawings and specifications</u>					
	Closing cavities at openings for windows/doors					
A	cavity width 150mm; heads	3	m			
B	cavity width 150mm; jambs	6	m			
	<u>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</u>					
	Damp proof courses					
C	width exceeding 225mm; vertical; jambs	2	m2			
D	width exceeding 225mm; stepped; over windows & doors	2	m2			

	Description	Qty	Unit	Rate	€	c
	WOODWORK					
	STRUCTURAL AND FIRST FIXINGS					
	<u>Sawn softwood timber to ISEN1995; strength class C16; organic solvent treated</u>					
	First fixings; continuous packing grounds for window boards and window /door liners; fixed to concrete beam/blockwork;					
A	cross section 20mm x 20mm	16	m			
	BOARDING AND SECOND FIXINGS					
	<u>Medite Ecologique MDF (Zero Formaldehyde) window board; 25mm thick, moisture resistant grade to BS 1 142; bullnosed edge, with 60 x 25mm sortwood cover trim; fix with lost head nails at 600mm centres; wood & insulation background; mastic sealing as detailed; fixed on treated softwood shims / timber packers (measured elsewhere), all in accordance with Architect's drawings and specification P20/1</u>					
	Second fixings; window boards					
	Second fixings; liners to windows, doors and curtain walling; fixing with Hilti HUS 6 or equivalent fixings					
B	width 225mm; heads	3	m			
C	width 225mm; jambs	6	m			
D	<u>extra over</u> for 20mm Compacfoam packer under windows/doors/curtain walling liners; refer to Architect drawing for further details & requirements	9	m			

Description	Qty	Unit	Rate	€	c
<u>METALWORK</u>					
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 relevant Architects specifications and shall refer to same when pricing windows		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			
EVIDENCE OF PERFORMANCE: Provide independently certified test evidence that all specified window and curtain wall systems, double glazed units and sealants along with other variants of components comply with specified performance requirements (including Average Thermal Properties of u-value 1.4w/m2k to be achieved)		Note			
U-VALUE: The centre pane "U" value of each sealed unit should achieve a target figure of 1.4Wm2/K. Each fabricator/installer must demonstrate compliant glass choice with tender return. All glazing shall conform to BS6262. Use thermally broken warm edge spacer in the double glazed units to increase thermal efficiencies.		Note			
All windows shall contain sealed units, which shall be manufactured in accordance with EN1279 Parts 2 and 3 and carry the necessary and appropriate guarantee		Note			

Description	Qty	Unit	Rate	€	c
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 block work 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. SHOP DRAWINGS: A full set of shop drawings are to be completed and issued to the design team for approval, which show all interfacing details with the building structure. These details should indicate what aluminium system is being used and the location where it is being used and that no risk of cold bridging exists. Thermal analysis software such as Flixo or Athena is to be used to confirm the thermal efficiency of all interfacing details, aluminium profiles and glazing materials. All isolators and barriers are to be called up on these drawings, which are being used to prevent bimetallic corrosion. All the details are to be fully labeled, dated and revisions noted and approval of the design team should be received prior to works commencing. CONTROL SAMPLES: After finalizing all details, prepare 1200mm high X 900mm wide sample of fixed and top-hung openable vent, complete with all ironmongery, as part of the quantity required for the project, and obtain approval of appearance and workmanship by the Architect before proceeding with manufacture of the remaining quantity.		Note			
		Note			
		Note			

Description	Qty	Unit	Rate	€	c
WARRANTY REQUIREMENTS: 10 year guarantee against manufacturing and material defects structural distortion, joint failure of aluminium frame systems. 10 year guarantee for double and triple-glazed sealed units from date of delivery covering seal failure and internal condensation (misting between panes). 2 year guarantee against functional failure in the ironmongery. 10 year guarantee for paint and powder coatings: (25 years for high-grade Qualicoat standards) against peeling, cracking, major color fading or severe corrosion. CORE REQUIREMENTS TO MAINTAIN VALIDITY: Professional Installation: Must be fitted by certified technicians following the manufacturers specific structural guidelines. Regular Maintenance: Routine cleaning of aluminium profiles and hardware using non-abrasive cleaners, often required on a scheduled or annual basis Environmental Restrictions: Reduced warranty terms (sometimes limited to 5 years) if the building is located within 1,000 to 2,000 metres of a harsh marine or coastal environment unless specialised marine-grade finishes are explicitly purchased. Exclusions: Normal wear and tear, physical glass breakage post-installation, scratches not visible from 2 metres away under normal light, and damage caused by third-party alterations are universally excluded.		Note			
		Note			
		Note			
		Note			
		Note			

Description	Qty	Unit	Rate	€	c
The proposed window system should be a thermally broken window constructed using double polyamide strips and when assembled should have a minimum of 3 cavities forming a high performance thermal barrier. The total dept of the assembled window section from front to back should not be any less than 60mm and should contain center seals and thermally enhancing foams in the cavities. The proposed window system should be an open out casement window with a wrap around espagniollette multipoint locking system allowing for extra large sashes. The system names are given for guidance only and documentation will still be required showing how the proposed system meets with the requirements of the contract. MATERIALS: All profiles to be extruded from aluminium alloy 6060 T6, T5 or T4 to BS EN 12020-2; 2001 / BS 755-9; 2001 and with polyamide thermal break sections manufactured from glass reinforced nylon sections capable of withstanding temperatures in excess of 200 deg C. All windows shall be manufactured to comply with BS4873 STRUCTURE: All structural profiles to be designed so as the maximum deflection of any member shall not exceed L/175 of its span with any evidence of any permanent deformation once the load has been removed. All vents shall be sized in accordance with the guidelines detailed in Metal Technologys technical literature. MANUFACTURER AND REFERENCE: Window system to be "APA DL670 Polymide Casement" or Kanweer 601 casement" or "Technal FXi46p Polyamide Commercial window system or "Metal Technology 4-20 Thermally Enhanced Polyamide Casement or equivalent to Architects approval The window, louvre, screen installation will include all products, fixings, and interface components necessary to provide a weatherproof and air tight (Class A4) enclosure in accordance with the design requirements and contract conditions.		Note			
		Note			
		Note			
		Note			
		Note			

Description	Qty	Unit	Rate	€	c
Minimum Exposure category (Design wind load): 1200 (Pa) or higher if deemed necessary by BS6399 - Part 2: 1997.		Note			
GLASS AND GLAZING: All Windows to be glazed with 24mm/28mm double glazed units, low 'E' argon filled glazing units to meet U Value of 1.4W/SqMK. Safety glass to be 6.8mm laminated to BS 6262 & BS6201- Glass in Buildings. All glazing must be installed in accordance with BS 6262 and the double glazed unit manufacturers and system suppliers instructions. To EN 1279, hermetically sealed and Kite mark certified.		Note			
Safety glass to BS 6262, 6mm standard outer glass, 16mm low 'E' argon filled cavity, 6.8mm laminated inner glass		Note			
Where there is a risk of impact, glazing to be impact resistant laminated safety glass such as SGG Stapid to comply Class C of BS EN 6262: Part 4 and BS EN 12600:2002		Note			
All windows shall contain sealed units, which shall be manufactured in accordance with EN 1279 Part 2 and 3 and carry the necessary and appropriate guarantee.		Note			
The total solar transmittance of the window shall not be greater than 60%		Note			
The glazing light transmittance factor shall not be less than 70%		Note			
Clerestory high level windows to have sandblasted finish to Face 2 of double-glazed units to reduce glare.		Note			
Any perimeter taping must be transparent to permit inspection of unit edge condition.		Note			

Description	Qty	Unit	Rate	€	c
GLAZING SYSTEM: All double-glazed units, panels and inserts shall be supported continuously along all four edges by specialised glazing support blocks. All windows shall be dry glazed using external 'snap in' extruded aluminium beads with captive 'E' gaskets externally and wedge gasket internally. The corners of the gaskets shall be accurately mitred together and sealed to ensure an effective joint. Setting blocks and location pieces shall be fitted in accordance with BS 6262 in order to ensure the windows are maintained square and rigid. Any glazing less than 800mm above finished floor level to be safety glass to comply with BS 6262: Part 4 FINISHES, SEALANTS & IRONMONGERY: Polyurethane Foam: To fill gaps around windows and door frames to be fire-retardant grade to DIN standard 4102 or equivalent, Silicone Mastic: Minimum 10mm recessed joint complete with compatible backing rod. Dow Corning or similar low modulus silicone sealant mastic to BS 5889, to selected colours. Finish: Polyester Powder coating Interpon D or Syntapulvin (Not a mixture of both) applied by Qualicaot approved applicator using a standard RAL colour in matt finish to EN12206-1 (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, chromate primer 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. It will be the responsibility of the fabricator/installer to ensure that all profiles, panels, flashings, pressings and other necessary trims associated with his works are processed in one batch to ensure continuity of finish. Fixings and fastenings: stainless steel, cadmium plated steel or other corrosion resistant finishes permitted under BS 4873		Note			
		Note			
		Note			

Description	Qty	Unit	Rate	€	c
All doors/ windows to be complete with all ironmongery, locking mechanisms, hardware and the like.		Note			
Handles shall suit espagniollette wrap around multipoint locking type as selected. The opening is to be restricted to a distance to be 80mm maximum for child safety and to ensure adequate free openable area. To meet the required security level and safety standard all lower opening vent frames shall be fitted with one non releasable locking restrictor. These will restrict the window opening to 80mm in line with the rapid ventilation calculations. These should be fitted in accordance with manufacturers recommendations and as detailed in their technical literature.		Note			
Hinges shall be 17mm stainless steel, balanced and restricted stay hinges capable of carrying the weight of the sashes. All opening vents on all levels shall be fitted with a pair of storm balanced stainless steel friction hinges sized in accordance with manufacturers technical literature and fitted in accordance with the manufacturers recommendations.		Note			
Masterkey to be provided for all internal and external doors		Note			
All coloured insulated metal spandrel panels where shown on drawings to be included in window / door rates		Note			
All windows to have restrictors		Note			
Where reachable all handles to the upper vents shall be operated by a pole window pull mechanism engaging an adapted standard single handle espagnolette locking handle.		Note			
Telescopic Remote opening devices to be Teleflex Gear or BJP window controls or equivalent to Architects approval		Note			

Description	Qty	Unit	Rate	€	c
Where opening window inserts are considered to be unreachable they shall be fitted with manual Teleflex window gear. Each set of windows shall be controlled by 1 No. Morse Midi operator (Part No. 714600); windows shall be opened using Morsse 250mm chain openers (213241) with conduit, teleflex cable and saddle fixings to wall. All components shall be finished in a white polyester powder coated paint finish.		Note			
Where indicated on drawings, the windows shall be controlled by chain operated actuators with 230v motors with reverse polarity for open/close operation and should have automatic limit switching between 90mm and 400mm, effective stroke distance of high-level windows to be 240mm (to ensure adequate free openable area).		Note			
Where indicated on drawings, each window shall incorporate a 'Titon Maxiglaze' or equivalent glazed-in ventilator and shall be polyester powder coated offering a single colour facility to match the window profiles. They should be fitted with an external, aluminium hood. The glazed in vents should be fitted with rod control.		Note			
Each vent must be capable of providing a minimum free airflow in accordance with Part F of the current building regulations. Vents shall be tested to BS6375 Part 1 1989, and achieve Category C-600Pa wind & water tightness.		Note			
All trickle vents where shown on drawings to be included in window/ door rates; Permavents to achieve a minimum air tightness of 4m3/hr/m2 at 50pa, Pull cord control to permavent to be included in window / door rate where shown on Architects drawing		Note			

Description	Qty	Unit	Rate	€	c
QUALITY ASSURANCE AND TECHNICAL SUPPORT: Manufacture of doors, frames, ironmongery and other components for door assemblies shall be executed under comprehensive Quality Assurance schemes to ISO9002. This quality management standard is additional to individual performance requirements. The Quality Assurance Manual of each manufacturer of components of door assemblies which must achieve fire, smoke and/or acoustic control rating(s) shall require that every such component be of identical construction to the equivalent component as included in any performance test(s) and/or assessment(s) used to support such rating(s). Provide written confirmation thereof, with copies of the appropriate section(s) of the Quality Assurance Manual(s). The supplier's qualified staff shall provide full, technical support, properly prepare and maintain door and ironmongery schedules and master key layouts and advise on specification, installation and operation. TEST REQUIREMENTS: The proposed window system must have been be fully tested to the following standards by a UKAS registered testing laboratory with the classification of the result being based on BS6375 Part 1 2004. Watertightness; - to 1000 Pa (exceeding Class 7B), Air Permeability: - to 1000Pa (exceeding Class A4), Wind resistance; - to 2200pa.		Note			
		Note			

Description	Qty	Unit	Rate	€	c
THERMAL PROPERTIES AND REQUIREMENTS: The double glazed unit U-value shall not be greater than 1.1Wm²/K and the combined U-value total of all the windows and curtain wall screens fully glazed shall not be greater than an average of 1.4Wm²/K. Verification will be required that the system being offered meets or exceeds these requirements. Stating that the system being offered meets with Document L will not be accepted. The use of software such as Flixo and LogiKal will be accepted to prove a system meets with the specifications. All edges and interfaces must be fully insulated to prevent any form of cold bridging or thermal deficiency. All windows and screens are to have a secondary air seal as standard and all details should indicate the size shape and materials to be used in the formation of this seal. ENTRANCE DOORS: The door system proposed for this location is double swing commercial doors double-glazed with laminated glass to BS 6201 and BS6262. Side styles including bead are to be 105mm wide along with a 80mm top rail and bottom rails including bead of 120mm. The dept of the door profiles is not to be less than 47.5mm, The doors are to open in direction as per plans and are to be controlled by concealed Dorma or equal overhead door closers. All doors to have level access thresholds in accordance with Part M 2022. Note Main Entrance Doors have a fully integrated automatic opening mechanism, ALL Other doors to have access controlled electronic locks (refer to ironmongery schedule), All 4 edges of the doors are to have a seal made up of two lines of brush draft excluder and the threshold is to be wheel chair accessible. Doors are to be fitted with pull handles and dead locks, (sample approval required). Any secondary steel required by the proposed glazing system to be supplied and included for within the proposed glazing system costs.		Note			
		Note			
		Note			

Description	Qty	Unit	Rate	€	c
Aluminium double glazed door system: swing commercial doors double-glazed with laminated glass to BS 6201 and BS6262. Side styles including bead are to be 105mm wide along with a 80mm top rail and bottom rails including bead of 120mm. The dept of the door profiles is not to be less than 47.5mm, The doors are to open in direction as per plans and are to be controlled by concealed Dorma or equal overhead door closers. All doors to have level access thresholds in accordance with Part M 2022. Note Main Entrance Doors have a fully integrated automatic opening mechanism. All 4 edges of the doors are to have a seal made up of two lines of brush draft excluder and the threshold is to be wheel chair accessible. Doors are to be fitted with pull handles and dead locks, (sample approval required). 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 422011-TR-10 for external window schedules and Architects specification for further information and requirements Doors; with overhead fanlights and associated side panels A Type D - 2350mm wide x 2700mm high; single door with 2350mm wide x 500mm high glazed overhead Fanlight & 2 Nr 2200mm high x 500mm wide glazed sidelights, Glass Type: safety glass to 2 Nr lower panels on side lights and 1 Nr door panel, coloured safety galss to 2 Nr top panels on sidelights, panic bar, outward opening, (ED 01) - Existing building	1	nr			

	Description	Qty	Unit	Rate	€	c
	<u>Tremco illbruck ME402 Compriband Ali-Tape</u> <u>PB high performance sealant tape or equal</u> <u>approved; seal gap at window/door frame</u> <u>interface with structure; adhere tape to</u> <u>inner face of aluminium frame and concrete</u> <u>blockwork/beam; including ME901 Butyl</u> <u>Primer applied to rough or porous surfaces</u> <u>as necessary; all in accordance with</u> <u>manufacturer's instructions to achieve</u> <u>airtight seal; all installation in</u> <u>accordance with manufacturers instructions</u> <u>to achieve air tightness as specified; all</u> <u>in accordance with Architect's drawings</u> <u>and specifications</u>					
	Fixings; pointing or sealing edges; perimeter of windows & door					
A	heads	3	m			
B	thresholds	3	m			
C	jamb	6	m			
	<u>Compriband illmod 600 or equal approved</u> <u>sealant; acrylic pre-compressed</u> <u>impregnated sealant strip with self</u> <u>adhesive on one side; apply to external</u> <u>face of aluminium window/door frame at</u> <u>jamb, head and cill junctions to achieve</u> <u>watertight seal at perimeter edges of</u> <u>windows, doors and curtain walls; joint</u> <u>depth 20mm; joint width 8-15mm; all</u> <u>installation in accordance with</u> <u>manufacturers instructions to achieve air</u> <u>tightness as specified; all in accordance</u> <u>with Architect's drawings and</u> <u>specifications</u>					
	Fixings; pointing or sealing edges; perimeter of windows & door					
D	cills, heads and jamb; generally	12	m			

Description	Qty	Unit	Rate	€	c
<u>PAINTING AND DECORATING</u>					
<u>PAINTING</u>					
<u>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</u>					
Second fixings; window boards/liners					
A girth not exceeding 300mm	12	m			

Description	Qty	Unit	Rate	€	c
COLLECTION					
Page No. BQ/218					
Page No. BQ/219					
Page No. BQ/220					
Page No. BQ/221					
Page No. BQ/222					
Page No. BQ/223					
Page No. BQ/224					
Page No. BQ/225					
Page No. BQ/226					
Page No. BQ/227					
Page No. BQ/228					
Page No. BQ/229					
Page No. BQ/230					
Page No. BQ/231					
Page No. BQ/232					
Page No. BQ/233					
Page No. BQ/234					
Page No. BQ/235					
Page No. BQ/236					
Page No. BQ/237					
Page No. BQ/238					
Page No. BQ/239					
Page No. BQ/240					
Page No. BQ/241					

Description	Qty	Unit	Rate	€	c
COLLECTION					
Page No. BQ/242					
Page No. BQ/243					
Page No. BQ/244					
Page No. BQ/245					
Page No. BQ/246					
Page No. BQ/247					
Page No. BQ/248					
Page No. BQ/249					
Page No. BQ/250					
Page No. BQ/251					
Page No. BQ/252					
Page No. BQ/253					
Page No. BQ/254					
Page No. BQ/255					
Page No. BQ/256					
Page No. BQ/257					
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					

Description	Qty	Unit	Rate	€	c
COLLECTION Page No. BQ/266 Page No. BQ/267 Page No. BQ/268 Page No. BQ/269 EL (31) EXTERNAL WALL COMPLETIONS Carried to Summary					

	Description	Qty	Unit	Rate	€	c
	<u>INFORMATION</u>					
	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			
	<u>WOODWORK</u>					
	BOARDING AND SECOND FIXINGS					
	<u>MDF internal joinery/ architrave; 19mm thick; splayed edge as detailed; drilled, plugged, screwed and flush pelleted at 600mm centres; fix to concrete background; mastic sealing as detailed; all in accordance with Architect's drawings and specifications</u>					
	Second fixings; architrave					
A	75 x 19mm	166	m			
	Second fixings; beading					
B	19 x 19mm	109	m			
	COMPOSITE ITEMS					
	<u>Preambles</u>					
C	Door leaves together with associated frames are collectively described as doorsets.		note			
D	Screens include fanlights, sidelights, borrowed lights and the like. Doorsets associated with screens are deemed included in the screens.		note			

	Description	Qty	Unit	Rate	€	c
A	Glazing is deemed included as part of the overall screen/doorset system and shall comply with BS6262. 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			
B	All fire rated doorsets/screens shall be tested to BS476. Entire units shall be installed in accordance with Test Certificate issued, a copy of which shall be supplied to the Architect. 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	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			
D	Certification: full door set assembly for each fire door type (including frame, leaf and ironmongery) to be certified by main contractor.		note			
E	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.		note			

	Description	Qty	Unit	Rate	€	c
A	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			
B	Doorsets/screens are deemed to include frame anchors and associated mortices, holes, countersinking and flush pelleting.		note			
C	Doorsets/screens are measured to overall structural opening dimensions.		note			
D	Markers on doors to be provided indicating fire resistance		note			
E	All door glazed panels within the door leaf will be safety glass - BSI Kite Mark certified to BS EN 12600:2002.		note			
F	GLAZING: BEAD FIXED SINGLE GLAZING TO NON-FIRE RATED VISION PANELS: Pyrobel - 7.5mm Pilkingtons clear laminated Pyradur plus or equal with impact rating "C" to BS 6206 and acoustic rating of Rw 35dB and 30/30 fire resistance. Surround / Bead: Softwood frame and cloaked beading strips, Preparation: primed as required for glazing compound, Glazing compound: to architects approval, apply glazing compound, using distance pieces to produce not less than 3mm finished thickness of back bedding after inserting glazing. Locate glazing centrally in the surround using setting and location blocks. Apply front glazing compound, filling all voids, and insert distance pieces. Bed beads in compound and fix securely. Finish visible edge of compound internally and externally with a smooth chamfer, all in accordance with Architects drawings and specification L40/2 (a)		note			

	Description	Qty	Unit	Rate	€	c
A	GLAZING: FIRE RESISTANT GLAZING TO FR30 AND FR60 RATED FIRE DOORS: Fire rating: half / one hour integrity. Pane material: 7.5mm Pilkingtons clear laminated Pyradur plus or equal with 30/30 fire insulation and integrity and impact rating "C" to BS 6206 and acoustic rating of Rw 35dB. Surround / Bead & Beadfixing: as supplied by doorset manufacturer. Glazing system: Tape intumescent strips, Pointing sealant: silicone mastic. Apply glazing tape / strip to beads and fix as specified. leave no gaps at corners. Locate glazing centrally in surround using hardwood / noncombustible setting and location blocks as required. Apply pointing sealant immediately after glazing and finish to a smooth chamfer, all in accordance with Architects drawings and specification L40/2 (b)		note			
B	Door and frame types where indicated on schedule TR-11 as acoustic, to have and acoustic performance rating of Rw 30dB in accordance with BB 93.		note			
C	Internal Flush Door Frames: Timber species: softwood, moisture content on delivery: 12% +/-3%. Finish as delivered: M60, Fixing: 6 No. expanding screws, 4mm diameter galvanised.		note			
D	Refer to Architects plans for door opening direction. Additional requirements: Contractors shall note that specific doors requiring outward opening, access control and Hi & Low locking are identified in the comments section of the Architects door schedule TR-11.		note			

Description	Qty	Unit	Rate	€	c
Solid core: 44mm Thick solid core Fire Ratings: Non-Fire Rated, FD30S And FD60S As Required. Facings: Smooth Timber Veneer Finish To Receive Selected Paint Finish. Door & frame types where indicated on schedule as acoustic, to have an acoustic performance rating of rw 30db in accordance with BB 93. Finish: as specification section M60. Ironmongery: see ironmongery schedule for ironmongery to each door. Gaps between door frames and walls in which they are fixed should be less than or equal to 10mm. The gaps to be filled full width with ram packed mineral wool and sealed both sides of the frame with non hardening sealant (measured elsewhere). All fire door sets (door & frame) to comply with BS 476 & require certificates from manufacturer stating the name of the school and the I.D. number of the relevant doors e.g. DT-01, the BS number and test type (fire resisting doorsets achieving 30 minute & 60 minute fire resistance (integrity) in accordance with BS 476:pt 22. Doors fitted with smoke deals to acheive a leakage rate not exceeding 3m 3/m/hour (head and jambs) when tested at 25pa to BS476: sect 31.1). Acoustic doors & frames should comply with BB93 & have a minimum performance rating of Rw 30dB. Compression or wipe seals should be fitted around door perimeter with a threshold seal below. (measured elsewhere) Acoustic seals to be fitted to beading around vision panels, where they occur in the doors as detailed. Door opening: for door opening direction refer to Architects plans. Additional requirements: doors requiring outward opening, access control and Hi & Low locking are individually listed as per comments section of the Architects door schedule TR-11. Architraves to be mitred; Frames: Timber species; softwood, moisture contnet on delivery 12% +/- 3%, finish as delivered M60, fixing with 6no expanding screws, 4mm diameter galvanised; all installations in accordance with doorset manufacturers instructions and Architects drawings & specifications; refer to Architect Drawing TR - 11 for further details and requirements Doors with associated frameset					

T71101 Scoil Realt na Mara
Pricing Document
August 2026

Description	Qty	Unit	Rate	€	c
Glazed Solid core: 44mm Thick solid core Fire Ratings: Non-Fire Rated, FD30S And FD60S As Required. Facings: Smooth Timber Veneer Finish To Receive Selected Paint Finish. Door & frame types where indicated on schedule as acoustic, to have an acoustic performance rating of rw 30db in accordance with BB 93. Finish: as specification section M60. Ironmongery: see ironmongery schedule for ironmongery to each door. Gaps between door frames and walls in which they are fixed should be less than or equal to 10mm. The gaps to be filled full width with ram packed mineral wool and sealed both sides of the frame with non hardening sealant (measured elsewhere). All fire door sets (door & frame) to comply with BS 476 & require certificates from manufacturer stating the name of the school and the I.D. number of the relevant doors e.g. DT-01, the BS number and test type (fire resisting doorsets achieving 30 minute & 60 minute fire resistance (integrity) in accordance with BS 476:pt 22. Doors fitted with smoke deals to acheive a leakage rate not exceeding 3m 3/m/hour (head and jambs) when tested at 25pa to BS476: sect 31.1). Other requirements: Glazed Vision panels: Glazed panel sizes, location etc where applicable as per Architects drawing. Glazing to non fire rated panels: Pyrobel - 7.5mm Pilkingtons clear laminated Pyradur plus or equal with impact rating "C" to BS 6206 and acoustic rating of Rw 35dB and 30/30 fire resistance. Surround / Bead: Softwood frame and cloaked beading strips, Preparation: primed as required for glazing compound, Glazing compound: to architects approval, apply glazing compound, using distance pieces to produce not less than 3mm finished thickness of back bedding after inserting glazing. Locate glazing centrally in the surround using setting and location blocks. Apply front glazing compound, filling all voids, and insert distance pieces. Bed beads in compound and fix securely. Finish visible edge of compound internally and externally with a smooth chamfer, all in accordance with Architects drawings and specification L40/2 (a).					

	Description	Qty	Unit	Rate	€	c
	<u>Acoustic doors & frames should comply with BB93 & have a minimum performance rating of Rw 30dB. Compression or wipe seals should be fitted around door perimeter with a threshold seal below (measured elsewhere). Acoustic seals to be fitted to beading around vision panels, where they occur in the doors as detailed. Door opening: for door opening direction refer to Architects plans. Additional requirements: doors requiring outward opening, access control and Hi & Low locking are individually listed as per comments section of the Architects door schedule TR-11. Architraves to be mitred; Frames: Timber species; softwood, moisture content on delivery 12% +/- 3%, finish as delivered M60, fixing with 6no expanding screws, 4mm diameter galvanised; all installations in accordance with doorset manufacturers instructions and Architects drawings & specifications; refer to Architect Drawing TR - 11 for further details and requirements</u> Doors with associated frameset					
A	Door Type 'C', Glazed Single door; 1150mm wide x 2150mm high, Glazing: 1 Nr. glazed vision panel, nominal 250mm wide x 1400mm high, Door glass type: clear laminated safety glass, Door fire rating: NFR; Door ref. DR 004, DR 006	2	nr			
B	Door Type 'C', Glazed Single door; 1150mm wide x 2150mm high, Glazing: 1 Nr. glazed vision panel, nominal 250mm wide x 1400mm high, Door glass type: clear laminated safety glass, Door fire rating: NFR; with Hi & Low Locking; Door ref: DR 009, DR 014, DR 016, DR 017, DR 020	5	nr			

Description	Qty	Unit	Rate	€	c
Glazed Solid core: 44mm Thick solid core Fire Ratings: Non-Fire Rated, FD30S And FD60S As Required. Facings: Smooth Timber Veneer Finish To Receive Selected Paint Finish. Door & frame types where indicated on schedule as acoustic, to have an acoustic performance rating of rw 30db in accordance with BB 93. Finish: as specification section M60. Ironmongery: see ironmongery schedule for ironmongery to each door. Gaps between door frames and walls in which they are fixed should be less than or equal to 10mm. The gaps to be filled full width with ram packed mineral wool and sealed both sides of the frame with non hardening sealant (measured elsewhere). All fire door sets (door & frame) to comply with BS 476 & require certificates from manufacturer stating the name of the school and the I.D. number of the relevant doors e.g. DT-01, the BS number and test type (fire resisting doorsets achieving 30 minute & 60 minute fire resistance (integrity) in accordance with BS 476:pt 22. Doors fitted with smoke deals to acheive a leakage rate not exceeding 3m 3/m/hour (head and jambs) when tested at 25pa to BS476: sect 31.1). Other requirements: Glazed Vision panels & sidelights: Glazed panels sizes, location etc where applicable as per Architects drawing. Glazing to non fire rated panels: Pyrobel - 7.5mm Pilkingtons clear laminated Pyradur plus or equal with impact rating "C" to BS 6206 and acoustic rating of Rw 35dB and 30/30 fire resistance. Surround / Bead: Softwood frame and cloaked beading strips, Preparation: primed as required for glazing compound, Glazing compound: to architects approval, apply glazing compound, using distance pieces to produce not less than 3mm finished thickness of back bedding after inserting glazing. Locate glazing centrally in the surround using setting and location blocks. Apply front glazing compound, filling all voids, and insert distance pieces. Bed beads in compound and fix securely. Finish visible edge of compound internally and externally with a smooth chamfer, all in accordance with Architects drawings and specification L40/2 (a).					

Description	Qty	Unit	Rate	€	c
<u>Acoustic doors & frames should comply with BB93 & have a minimum performance rating of Rw 30dB. Compression or wipe seals should be fitted around door perimeter with a threshold seal below (measured elsewhere). Acoustic seals to be fitted to beading around vision panels, where they occur in the doors as detailed. Door opening: for door opening direction refer to Architects plans. Additional requirements: doors requiring outward opening, access control and Hi & Low locking are individually listed as per comments section of the Architects door schedule TR-11. Architraves to be mitred; Frames: Timber species; softwood, moisture content on delivery 12% +/- 3%, finish as delivered M60, fixing with 6no expanding screws, 4mm diameter galvanised; all installations in accordance with doorset manufacturers instructions and Architects drawings & specifications; refer to Architect Drawing TR - 11 for further details and requirements</u> Doors with associated frameset A Door Type 'F', Glazed Single door with sidelight; 1650mm wide x 2150mm high, 1 Nr. glazed vision panel, nominal 250mm wide x 1400mm high, 1 Nr. glazed side panel, nominal 500mm wide x 2150mm high, Door glass type: clear laminated safety glass, Door fire rating: NFR; Hi & Low Locking; Door ref. DR 011, DR 013, DR 021, DR 023	4	nr			

Description	Qty	Unit	Rate	€	c
Glazed Solid core: 44mm Thick solid core Fire Ratings: Non-Fire Rated, FD30S And FD60S As Required. Facings: Smooth Timber Veneer Finish To Receive Selected Paint Finish. Door & frame types where indicated on schedule as acoustic, to have an acoustic performance rating of rw 30db in accordance with BB 93. Finish: as specification section M60. Ironmongery: see ironmongery schedule for ironmongery to each door. Gaps between door frames and walls in which they are fixed should be less than or equal to 10mm. The gaps to be filled full width with ram packed mineral wool and sealed both sides of the frame with non hardening sealant (measured elsewhere). All fire door sets (door & frame) to comply with BS 476 & require certificates from manufacturer stating the name of the school and the I.D. number of the relevant doors e.g. DT-01, the BS number and test type (fire resisting doorsets achieving 30 minute & 60 minute fire resistance (integrity) in accordance with BS 476:pt 22. Doors fitted with smoke deals to acheive a leakage rate not exceeding 3m 3/m/hour (head and jambs) when tested at 25pa to BS476: sect 31.1). Other requirements: Glazed Vision panels, overhead fanlights & sidelights: Glazed panel sizes, location etc where applicable as per Architects drawing. Fire resistant glazing to FR30 and FR60 rated fire doors: Fire rating: half / one hour integrity. Pane material: 7.5mm Pilkingtons clear laminated Pyradur plus or equal with 30/30 fire insulation and integrity and impact rating "C" to BS 6206 and acoustic rating of Rw 35dB. Surround / Bead & Beadfixing: as supplied by doorset manufacturer. Glazing system: Tape intumescent strips, Pointing sealant: silicone mastic. Apply glazing tape / strip to beads and fix as specified. leave no gaps at corners. Locate glazing centrally in surround using hardwood / noncombustible setting and location blocks as required. Apply pointing sealant immediately after glazing and finish to a smooth chamfer, all in accordance with Architects drawings and specification L40/2 (b)					

	Description	Qty	Unit	Rate	€	c
	Acoustic doors & frames should comply with BB93 & have a minimum performance rating of Rw 30dB. Compression or wipe seals should be fitted around door perimeter with a threshold seal below (measured elsewhere). Acoustic seals to be fitted to beading around vision panels, where they occur in the doors as detailed. Door opening: for door opening direction refer to Architects plans. Additional requirements: doors requiring outward opening, access control and Hi & Low locking are individually listed as per comments section of the Architects door schedule TR-11. Architraves to be mitred; Frames: Timber species; softwood, moisture content on delivery 12% +/- 3%, finish as delivered M60, fixing with 6no expanding screws, 4mm diameter galvanised; all installations in accordance with doorset manufacturers instructions and Architects drawings & specifications; refer to Architect Drawing TR - 11 for further details and requirements Doors with associated frameset					
A	Door Type 'D', Glazed Cat & Kitten door with overhead fan light; 1600mm wide x 2700mm high, 2 Nr. door glazing panels, (1nr nominal 775mm wide x 1400mm high & 1nr 150mm high x 1400mm wide), 1 Nr. overhead fan light, nominal 550mm high x 1600mm wide, Door glass type: clear safety FD30, Door fire rating: F30 ; Glazing manifestations (measured elsewhere); with access control; Door ref: DR 005	1	nr			
B	Door Type 'D', Glazed Cat & Kitten door with overhead fan light; 1600mm wide x 2700mm high, 2 Nr. door glazing panels, (1nr nominal 775mm wide x 1400mm high & 1nr 150mm high x 1400mm wide), 1 Nr. overhead fan light, nominal 550mm high x 1600mm wide, Door glass type: clear safety FD30, Door fire rating: F30 ; Glazing manifestations (measured elsewhere); with hold open device; Door ref: DR 026	1	nr			
	<u>Extra over for</u>					

	Description	Qty	Unit	Rate	€	c
A	Electronic Hold Open (EHO) device linked back to fire alarm system to release on activation; 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 and specification for further details; refer to drg TR-11 for further details & requirements; Door ref: DR 026	1	nr			
B	Door Type 'K', Glazed Single door; 1150mm wide x 2150mm high, 1 Nr. glazed vision panel, nominal 250mm wide x 1400mm high, Door glass type: clear safety glass FD30s, Door fire rating: FD30 ; Door ref: DR 027	1	nr			
	<u>Internal fixed hardwood doors & screens:</u> <u>Wood species: Oak or to Architect's approval. Moisture content on delivery: 12% to 19%. Glazing details. Clear laminated with Impact rating "C" to BS 6206 and 7.5mm Pilkingtons clear laminated Pyradur Plus or equal with Impact rating "C" to BS 6206 and acoustic Rating of Rw 35 dB. Ironmongery/accessories: as per ironmongery schedule FIRE RATING: Non Fire Rated, and FD30S as Required. Acoustic Rating: As Screen Schedule TR-12 in accordance with BB93. Finish as delivered: primed for painting M60. Fixing: as details. Special Note: Acoustic door sets to have loriant LP1504DS perimeter seals to frame, loriant LP1504DS & 1S7061 seals with 1S8010Si threshold seal to doors. Gaps between door frames and walls in which they are fixed should be less than or equal to 10mm. The gaps to be filled full width with ram packed mineral wool and sealed both sides of the frame with non hardening sealant (measured elsewhere). 5mm Dia X 87mm steel fixing screws. All in accordance with Architects drawing TR-11 & 12 and specifications.</u> Screens					

	Description	Qty	Unit	Rate	€	c
A	Screen Type J; W1550mm x H1150mm; with solid 60min fire rated hinged panel and frame W550mm x H1150mm opening into SEN office; with Dorma TS73 TMF free swing door closer linked to fire alarm including all associated wiring / connections, grounds etc as per M&E drawings, lock and handle from office side and 1000mm wide x 1150mm high fixed safety glass screen, Screen fire rating: 60min, Screen Glass Type; 60/60; Screen ref. W04. All in accordance with Architects drawings TR-12 and specifications. Folding Doors / Screens <u>Folding door system to be master choice 2000 or equal approved folding partition system with RW 45db sound reduction as follows: rolled steel ceiling track secured to concrete beam with proprietary fixings as per manufacturers details, 110mm door panel thickness consisting of 2 no. 18mm acoutic board substrate, rockwool central quilt, sound absorption laminate, profiled aluminium trims, top and bottom acoustic seal, telescopic end expander. Track system to be single pivot suspension from ceiling tracks. External finish of doors: Finishing laminate to selected colours with a surface spread of flame rating of class 0. All in accordance with Architects drawing numer ST2-12 and specifications.</u>	1	nr			
B	6600mm x 2700mm high - Type H (folding doors)	1	nr			

	Description	Qty	Unit	Rate	€	c
	IRONMONGERY, ACCESSORIES AND SUNDRIES					
A	QUALITY ASSURANCE AND TECHNICAL SUPPORT: Manufacturer of doors, frames, ironmongery and other components for door assemblies shall be executed under comprehensive Quality Assurance schemes ISO9002. This quality management standard is additional to individual performance requirements. The Quality Assurance manual of each manufacturer of components of door assemblies which must achieve fire, smoke and/or acoustic control rating(s) shall require that every such component be of identical construction to the equivalent component as included in any performance test(s) and/or assessment(s) used to support such rating(s). Provide written confirmation thereof, with copies of the appropriate section(s) of the Quality Assurance manual(s)		note			
B	The supplier's qualified staff shall provide full, technical support, properly prepare and maintain door and ironmongery schedules and master key layouts and advise on specification, installation and operation		Item			
T71101 Scoil Realt na Mara Pricing Document August 2026					To Collection €	
BQ/287						

	Description	Qty	Unit	Rate	€	c
A	WARRANTIES : Due to the importance of door assemblies to the security and proper operation of the building and to the safety of occupants, suppliers of components of door assemblies shall be required to provide warranties for the following periods: Concealed bearing hinges 25 years & Other items of ironmongery a minimum of 10 years. Such warranties shall refer specifically to the project, state the required guarantee period(s) and confirm that "Having examined the floor plans, schedules and specifications, we hereby warrant that the goods supplied by us are suitable for use in and comply with the requirements of the Works. We agree to repair or replace, free of charge, items which are or become defective due to faulty materials or workmanship, or to their being unsuitable for intended building uses and/or prevailing external or internal environmental conditions, provided only that: (1) Relevant building uses and/or environmental conditions are either clear from the drawings and specifications, or have been drawn to our attention in writing, prior to manufacture or supply, (2) Our liability shall exclude such wear and tear of finishes as might reasonably be anticipated in relation to the drawings and details supplied to us and the materials and finishes selected & (3) Installation and maintenance are executed in accordance with our recommendations and the specifications".		note			
B	IRONMONGERY RANGES: The contractor is to to inform the ER of selected manufacturer/supplier and range. Where particular items are unavailable within the range alternatives compatible in performance, design, style, material, colour and finish may be submitted for approval.		note			
C	SAMPLES: The contractor shall submit examples in Original manufacturers packaging for approval. Keep approved samples on site for the duration of the contract		note			

	Description	Qty	Unit	Rate	€	c
A	IRONMONGERY FOR DOORSETS: The contractor shall provide ironmongery in Configurations packaging, clearly labelled to identify the products. Where necessary, deliver the packs of non-projecting items to the doorset manufacturer for factory fitting and deliver the other packs to site.		note			
B	IRONMONGERY FOR FIRE DOORS: Relevant products: Ironmongery fixed to, or morticed into, the component parts of a fire resisting door assembly. Compliance: Ironmongery included in successful tests to BS 476-22 or BS 1634-1 on door assemblies similar to those proposed. Certification: Submit test evidence, EC certificates of Conformity, EC declarations of Conformity. Melting point of components (except decorative non functional parts) 800 deg Celcius minimum		note			
C	The Contractor is to include for assembly, careful fixing and accurately using fastenings 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; Locks and Master keying; two keys to be provided for each unique cylinder, four master keys to be provided to open all lockers; Locks to be provided to all storage units high level and base units; Locks to all units in teachers desks to be keyed alike; Locks to all other student units to be master keyed; Locks to all office storage units to be mastered; In admin office main filing units to be keyed alike; Principals office all units to be keyed alike. All new locks to be masterkeyed to existing doors. The contractor shall provide a proprietary wall mounted lockable labelled key box to store all masterkeys.		Item			

	Description	Qty	Unit	Rate	€	c
A	Fixing Ironmongery to Fire Resisting Door Assemblies: General: All items fixed in accordance with door leaf manufacturer's recommendations ensuring that integrity of the assembly, as established by testing, is not compromised. Holes for through fixings and components: Accurately cut. Clearances: Not more than 8 mm unless protected by intumescent paste or similar. Lock/ Latch cases for fire doors requiring >60 minutes integrity performance: Coated with intumescent paint or paste before installation.		note			
B	Supply and fix the following ironmongery stocked by KCC Group or equivalent supplier; ironmongery must comply with TGD Part M; fix to timber backgrounds; 25 years warranty required on concealed bearing hinges, with a minimum of 10 years warranty on other items of ironmongery; principal material/finish to be grade 304 Satin stainless steel unless noted otherwise; all in accordance with manufacturer's instructions; Architect's Internal Ironmongery Schedule TR-4104 and Specification Ironmongery <u>Door Type B; FD30s & FD 60s</u>		note			
C	Hinges; KH-1001R/SSS KCC Stainless Steel Ball Bearing Hinge to hEN1935 grade (4/7/6/1/1/4/0/13) and Certifire CF5247	9	nr			
D	Hingeplate Protectors; Flexfire fire rated graphite based intumescent hingeplate protector, 2mm, Black, self adhesive	18	nr			
E	Door closers (Fire Doors Only); KD-9200N/SSS KCC Architectural Slimline Cam Action Slide Channel Door Closer to HEN1154 grade 38(4/2)113	3	nr			
F	Door handle (set); KF-2001/SSS KCC Tubular Stainless Steel 304 19mm Unsprung Rose Lever Handle on Rose to BS EN1906:2012 grade 3/7-B0/3/0B	3	nr			

	Description	Qty	Unit	Rate	€	c
A	Deadlock; SS1172S60 Escape euro cylinder and Thumb Turn sash lock case c/w 3 keys per cylinder	3	nr			
B	Sashlock; KL-4901R/SSS KCC Contract Mortice Sashlock	3	nr			
C	Deadlock Cover; KF-2101/SSS KCC Stainless Steel 304 Euro Profile Escutcheon. 5mm	6	nr			
D	Kicker Plate; KA-9710S/304/150x900/SSS KCC Stainless Steel 304 Square Corner Kicking Plate 900x150mm	6	nr			
E	Doorstop; KA-9501/SSS KCC Floor Mounted Doorstop	3	nr			
F	XX48800/0Q Complete bolt set, with floor socket and intumescent pack for FD30 and FD60 fire doors	3	nr			
G	XX8066FP Intumescent Pack to Suit Hinges	9	nr			
H	KA-9200/304 Fire Door Keep Shut Sign (Satin Stainless Steel)	6	nr			
I	Finger guard protection; Finger Protection PRO 180° Door Safety PACK	6	nr			
	<u>Door Type C; NFR</u>					
J	Hinges; KH-1001R/SSS KCC Stainless Steel Ball Bearing Hinge to hEN1935 grade (4/7/6/1/1/4/0/13) and Certifire CF5247	21	nr			
K	Hingeplate Protectors ; Flexfire fire rated graphite based intumescent hingeplate protector, 2mm, Black, self adhesive	42	nr			
L	Door Handle (set); KF-2001/SSS KCC Tubular Stainless Steel 304 19mm Unsprung Rose Lever Handle on Rose to BS EN1906:2012 grade 3/7-B0/3/0B	7	nr			
M	Deadlock; KC-9130/SNP KCC Master keyed Euro Single & Turn Cylinder 70mm c/w 3 Keys	7	nr			
N	Sashlock; KL-4901R/SSS KCC Contract Mortice Sashlock	7	nr			

	Description	Qty	Unit	Rate	€	c
A	Sashlock; KL-AS1094S/SSS KCC Oval/Euro Nightlatch Lockcase c/w Passage Mode Set, Anti-Thrust Bolt & Box Strike	7	nr			
B	Deadlock cover; KF-2101/SSS KCC Stainless Steel 304 Euro Profile Escutcheon. 5mm	14	nr			
C	Kicker plate; KA-9710S/304/150x900/SSS KCC Stainless Steel 304 Square Corner Kicking Plate 900x150mm	14	nr			
D	Doorstop; KA-9501/SSS KCC Floor Mounted Doorstop	7	nr			
E	Finger guard protection; Finger Protection PRO 180° Door Safety PACK	14	nr			
	<u>Door Type D; FD30s</u>					
F	Hinges; KH-1001R/SSS KCC Stainless Steel Ball Bearing Hinge to hEN1935 grade (4/7/6/1/1/4/0/13) and Certifire CF5247	12	nr			
G	Hingeplate Protectors ; Flexfire fire rated graphite based intumescent hingeplate protector, 2mm, Black, self adhesive	24	nr			
H	Door closers; KD-9200N/SSS KCC Architectural Slimline Cam Action Slide Channel Door Closer to HEN1154 grade 38(4/2)113	4	nr			
I	Pull Handle; KCC Round Bar Pull Handle. A25 x B600 x C575 x D75. BT Fixing	4	nr			
J	Push Plate; KCC Stainless Steel 316 Square Comer Finger Plate. 650mm x 75mm.	4	nr			
K	Kicker plate; KA-9710S/304/150x900/SSS KCC Stainless Steel 304 Square Corner Kicking Plate 900x150mm	4	nr			
L	Kicker plate; KA-9710S/304/150x900/SSS KCC Stainless Steel 304 Square Corner Kicking Plate 450x150mm	4	nr			
M	Doorstop; KA-9501/SSS KCC Floor Mounted Doorstop	4	nr			

	Description	Qty	Unit	Rate	€	c
A	Signage; KCC Grade 304 Stainless Steel 'Fire Door Keep Shut Sign	4	nr			
B	XX8066FP Intumescent Pack to Suit Hinges	12	nr			
C	Finger guard protection ; Finger Protection PRO 180° Door Safety PACK	8	nr			
	<u>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 and specification for further details</u>					
	Ironmongery					
D	glazed cat & kitten; Door Type 5 (DR005)	1	nr			
	<u>Door Type E; NFR</u>					
E	Hinges; KH-1001R/SSS KCC Stainless Steel Ball Bearing Hinge to hEN1935 grade (4/7/6/1/1/4/0/13) and Certifire CF5247	15	nr			
F	Hingeplate Protectors ; Flexfire fire rated graphite based intumescent hingeplate protector, 2mm, Black, self adhesive	30	nr			
G	Door Handle (set) ; KF-2001/SSS KCC Tubular Stainless Steel 304 19mm Unsprung Rose Lever Handle on Rose to BS EN1906:2012 grade 3/7-B0/3/0B	5	nr			
H	Deadlock; KF-2111/SSS KCC Stainless Steel 304 Accessible Thumb turn & Release 6m	5	nr			

	Description	Qty	Unit	Rate	€	c
A	Deadlock; KH-C5C/SSS KCC Emergency Release. Typically used with floor springs and double action pivots	5	nr			
B	Sashlock; KL-4904R/SSS KCC Contract Bathroom Lock	5	nr			
C	Kicker plate; KA-9710S/304/150x900/SSS KCC Stainless Steel 304 Square Corner Kicking Plate 900x150mm	10	nr			
D	Doorstop; KA-9501/SSS KCC Floor Mounted Doorstop	5	nr			
E	Door Sign; KA-9102/304/SSS KCC Grade 304 Stainless Steel Accessible Symbol	4	nr			
F	Door Sign; KA-9105/304/SSS KCC Grade 304 Stainless Steel Shower Symbol (Dr18 Only)	1	nr			
G	Finger guard protection ; Finger Protection PRO 180° Door Safety PACK	10	nr			
	<u>Door Type F; NFR</u>					
H	Hinges; KH-1001R/SSS KCC Stainless Steel Ball Bearing Hinge to hEN1935 grade (4/7/6/1/1/4/0/13) and Certifire CF5247	9	nr			
I	Hingeplate Protectors ; Flexfire fire rated graphite based intumescent hingeplate protector, 2mm, Black, self adhesive	18	nr			
J	Door Handle (set) ; KF-2001/SSS KCC Tubular Stainless Steel 304 19mm Unsprung Rose Lever Handle on Rose to BS EN1906:2012 grade 3/7-B0/3/0B	3	nr			
K	Deadlock; SS1172S60 Escape euro cylinder and Thumb Turn sash lock case c/w 3 keys per cylinder	3	nr			
L	Sashlock; KL-4901R/SSS KCC Contract Mortice Sashlock	3	nr			
M	Deadlock Cover; KF-2101/SSS KCC Stainless Steel 304 Euro Profile Escutcheon. 5mm	6	nr			

	Description	Qty	Unit	Rate	€	c
A	Kicker plate; KA-9710S/304/150x900/SSS KCC Stainless Steel 304 Square Corner Kicking Plate 900x150mm	6	nr			
B	Doorstop; KA-9501/SSS KCC Floor Mounted Doorstop	3	nr			
C	Finger guard protection; Finger Protection PRO 180° Door Safety PACK	6	nr			
	<u>Door Type G; FD30s & FD60s</u>					
D	Hinges; KH-1001R/SSS KCC Stainless Steel Ball Bearing Hinge to hEN1935 grade (4/7/6/1/1/4/0/13) and Certifire CF5247	6	nr			
E	Hingeplate Protectors ; Flexfire fire rated graphite based intumescent hingeplate protector, 2mm, Black, self adhesive	12	nr			
F	Door closers (Fire Doors Only); KD-9200N/SSS KCC Architectural Slimline Cam Action Slide Channel Door Closer to HEN1154 grade 38(4/2)113	1	nr			
G	Door Handle (set); KF-2001/SSS KCC Tubular Stainless Steel 304 19mm Unsprung Rose Lever Handle on Rose to BS EN1906:2012 grade 3/7-B0/3/0B	2	nr			
H	Deadlock; SS1172S60 Escape euro cylinder and Thumb Turn sash lock case c/w 3 keys per cylinder	1	nr			
I	Sashlock; KL-4901R/SSS KCC Contract Mortice Sashlock	1	nr			
J	Deadlock Cover; KF-2101/SSS KCC Stainless Steel 304 Euro Profile Escutcheon. 5mm	2	nr			
K	Kicker plate; KA-9710S/304/150x900/SSS KCC Stainless Steel 304 Square Corner Kicking Plate 900x150mm	4	nr			
L	Doorstop; KA-9501/SSS KCC Floor Mounted Doorstop	1	nr			
M	XX48800/0Q Complete bolt set, with floor socket and intumescent pack for FD30 and FD60 fire doors	2	nr			

	Description	Qty	Unit	Rate	€	c
A	XX8066FP Intumescent Pack to Suit Hinges	6	nr			
B	SS8449 Fire Door Keep Shut Sign	4	nr			
C	Finger guard protection ; Finger Protection PRO 180° Door Safety PACK	4	nr			
	<u>Door Type K; FD30s</u>					
D	Hinges; KH-1001R/SSS KCC Stainless Steel Ball Bearing Hinge to hEN1935 grade (4/7/6/1/1/4/0/13) and Certifire CF5247	3	nr			
E	Hingeplate Protectors; Flexfire fire rated graphite based intumescent hingeplate protector, 2mm, Black, self adhesive	6	nr			
F	Door closers (Fire Doors Only); KD-9200N/SSS KCC Architectural Slimline Cam Action Slide Channel Door Closer to HEN1154 grade 38(4/2)113	1	nr			
G	Door Handle (set); KF-2001/SSS KCC Tubular Stainless Steel 304 19mm Unsprung Rose Lever Handle on Rose to BS EN1906:2012 grade 3/7-B0/3/0B	1	nr			
H	Deadlock; SS1172S60 Escape euro cylinder and Thumb Turn sash lock case c/w 3 keys per cylinder	1	nr			
I	Sashlock; KL-4901R/SSS KCC Contract Mortice Sashlock	1	nr			
J	Deadlock cover; KF-2101/SSS KCC Stainless Steel 304 Euro Profile Escutcheon. 5mm	2	nr			
K	Kicker plate; KA-9710S/304/150x900/SSS KCC Stainless Steel 304 Square Corner Kicking Plate 900x150mm	2	nr			
L	Doorstop; KA-9501/SSS KCC Floor Mounted Doorstop	1	nr			
M	XX8066FP Intumescent Pack to Suit Hinges	3	nr			
N	XX48800/0Q Complete bolt set, with floor socket and intumescent pack for FD30 and FD60 fire doors	1	nr			

	Description	Qty	Unit	Rate	€	c
A	XX8066FP Intumescent Pack to Suit Hinges	3	nr			
B	KA-9200/304 Fire Door Keep Shut Sign (Satin Stainless Steel)	2	nr			
C	Finger guard protection; Finger Protection PRO 180° Door Safety PACK	2	nr			
	Sundries					
D	lorient 'LP1004' & 'IS1212' perimeter acoustic seal or equal approved as per detail on Architects drawing TR-11	143	m			
E	'IS8010 Si' threshold acoustic seal or equal approved as per detail on Architects drawing TR-11	33	m			
F	intumescent strip as required for 30 & 60 min fire doors as per detail on Architects drawing TR-11	93	m			
	<u>Insulation</u>					
G	10mm ram packed mineral wool sealed on both sides with non hardening sealant as per detail on Architects drawing TR-11; for fire / acoustic performance behind Door / Screen framing for fitting tolerances; all in accordance with Architect's drawings and specifications;	18	m2			
	<u>GLAZING</u>					
	GENERAL GLAZING					
	Surface treatments					
H	Manifestation; refer to Architects Drg Nr TR-11	8	nr			

	Description	Qty	Unit	Rate	€	c
	<u>PAINTING AND DECORATING</u>					
	<u>PAINTING</u>					
	<u>Sanding down; dusting off; to match softwood painting; apply 1 coat of Dulux Quick Drying Wood Primer 2 coats of Dulux Diamond Satinwood finishing coats or equivalent; all in accordance with the manufacturers instructions and Architects Drawings Specification</u>					
	General Surfaces (doors & screens)					
A	exceeding 300mm (doors)	130	m2			
B	exceeding 300mm (screens)	4	m2			
	Second fixings					
C	< or = 300mm wide; architraves	166	m			
D	< or = 300mm wide; frames	174	m			
E	< or = 300mm wide; beading	109	m			
	<u>WORKS TO EXISTING BUILDING</u>					
	<u>WOODWORK</u>					
	BOARDING AND SECOND FIXINGS					
	<u>MDF internal joinery/ architrave; 19mm thick; splayed edge as detailed; drilled, plugged, screwed and flush pelleted at 600mm centres; fix to concrete background; mastic sealing as detailed; all in accordance with Architect's drawings and specifications</u>					
	Second fixings; architrave					
F	75 x 19mm	51	m			
	Second fixings; beading; chamfered edge					
G	19 x 19mm	8	m			

	Description	Qty	Unit	Rate	€	c
	COMPOSITE ITEMS					
	<u>Preambles</u>					
A	Door leaves together with associated frames are collectively described as doorsets.		note			
B	Screens include fanlights, sidelights, borrowed lights and the like. Doorsets associated with screens are deemed included in the screens.		note			
C	Glazing is deemed included as part of the overall screen/doorset system and shall comply with BS6262. 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			
D	All fire rated doorsets/screens shall be tested to BS476. Entire units shall be installed in accordance with Test Certificate issued, a copy of which shall be supplied to the Architect. 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			
E	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			
F	Certification: full door set assembly for each fire door type (including frame, leaf and ironmongery) to be certified by main contractor.		note			

	Description	Qty	Unit	Rate	€	c
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.		note			
B	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			
C	Doorsets/screens are deemed to include frame anchors and associated mortices, holes, countersinking and flush pelleting.		note			
D	Doorsets/screens are measured to overall structural opening dimensions.		note			
E	Markers on doors to be provided indicating fire resistance		note			
F	All door glazed panels within the door leaf will be safety glass - BSI Kite Mark certified to BS EN 12600:2002.		note			
G	GLAZING: BEAD FIXED SINGLE GLAZING TO NON-FIRE RATED VISION PANELS: Pyrobel - 7.5mm Pilkingtons clear laminated Pyradur plus or equal with impact rating "C" to BS 6206 and acoustic rating of Rw 35dB and 30/30 fire resistance. Surround / Bead: Softwood frame and cloaked beading strips, Preparation: primed as required for glazing compound, Glazing compound: to architects approval, apply glazing compound, using distance pieces to produce not less than 3mm finished thickness of back bedding after inserting glazing. Locate glazing centrally in the surround using setting and location blocks. Apply front glazing compound, filling all voids, and insert distance pieces. Bed beads in compound and fix securely. Finish visible edge of compound internally and externally with a smooth chamfer, all in accordance with Architects drawings and specification L40/2 (a)		note			

	Description	Qty	Unit	Rate	€	c
A	GLAZING: FIRE RESISTANT GLAZING TO FR30 AND FR60 RATED FIRE DOORS: Fire rating: half / one hour integrity. Pane material: 7.5mm Pilkingtons clear laminated Pyradur plus or equal with 30/30 fire insulation and integrity and impact rating "C" to BS 6206 and acoustic rating of Rw 35dB. Surround / Bead & Beadfixing: as supplied by doorset manufacturer. Glazing system: Tape intumescent strips, Pointing sealant: silicone mastic. Apply glazing tape / strip to beads and fix as specified. leave no gaps at corners. Locate glazing centrally in surround using hardwood / noncombustible setting and location blocks as required. Apply pointing sealant immediately after glazing and finish to a smooth chamfer, all in accordance with Architects drawings and specification L40/2 (b)		note			
B	Door and frame types where indicated on schedule TR-11 as acoustic, to have and acoustic performance rating of Rw 30dB in accordance with BB 93.		note			
C	Internal Flush Door Frames: Timber species: softwood, moisture content on delivery: 12% +/-3%. Finish as delivered: M60, Fixing: 6 No. expanding screws, 4mm diameter galvanised.		note			
D	Refer to Architects plans for door opening direction. Additional requirements: Contractors shall note that specific doors requiring outward opening, access control and Hi & Low locking are identified in the comments section of the Architects door schedule TR-11.		note			

Description	Qty	Unit	Rate	€	c
Solid core: 44mm Thick solid core Fire Ratings: Non-Fire Rated, FD30S And FD60S As Required. Facings: Smooth Timber Veneer Finish To Receive Selected Paint Finish. Door & frame types where indicated on schedule as acoustic, to have an acoustic performance rating of rw 30db in accordance with BB 93. Finish: as specification section M60. Ironmongery: see ironmongery schedule for ironmongery to each door. Gaps between door frames and walls in which they are fixed should be less than or equal to 10mm. The gaps to be filled full width with ram packed mineral wool and sealed both sides of the frame with non hardening sealant (measured elsewhere). All fire door sets (door & frame) to comply with BS 476 & require certificates from manufacturer stating the name of the school and the I.D. number of the relevant doors e.g. DT-01, the BS number and test type (fire resisting doorsets achieving 30 minute & 60 minute fire resistance (integrity) in accordance with BS 476:pt 22. Doors fitted with smoke deals to acheive a leakage rate not exceeding 3m 3/m/hour (head and jambs) when tested at 25pa to BS476: sect 31.1). Acoustic doors & frames should comply with BB93 & have a minimum performance rating of Rw 30dB. Compression or wipe seals should be fitted around door perimeter with a threshold seal below. (measured elsewhere) Acoustic seals to be fitted to beading around vision panels, where they occur in the doors as detailed. Door opening: for door opening direction refer to Architects plans. Additional requirements: doors requiring outward opening, access control and Hi & Low locking are individually listed as per comments section of the Architects door schedule TR-11. Architraves to be mitred; Frames: Timber species; softwood, moisture contnet on delivery 12% +/- 3%, finish as delivered M60, fixing with 6no expanding screws, 4mm diameter galvanised; all installations in accordance with doorset manufacturers instructions and Architects drawings & specifications; refer to Architect Drawing TR - 11 for further details and requirements Doors with associated frameset					

	Description	Qty	Unit	Rate	€	c
A	Door Type 'G', Double door; 1800mm wide x 2150mm high; Door fire rating: FD60's fire rated; Glazing: N/A; Door ref: DR 003 (existing building)	1	nr			
B	Door Type 'J', Single door; 1050mm wide x 2150mm high; Door fire rating: FD30's, including 254 x 102mm fire door transfer grille (FB700 (FR)), to be supplied with an intumescent core with a minimum fire rating of 1 hour, Glazing: N/A; Door ref: DR 028 (existing building)	1	nr			
C	Door Type 'J', Single door; 1050mm wide x 2150mm high; Door fire rating: FD60's, including 254 x 102mm fire door transfer grille (FB700 (FR)), to be supplied with an intumescent core with a minimum fire rating of 1 hour; Glazing: N/A; Door Ref: DR 002 (existing building)	1	nr			

Description	Qty	Unit	Rate	€	c
Glazed Solid core: 44mm Thick solid core Fire Ratings: Non-Fire Rated, FD30S And FD60S As Required. Facings: Smooth Timber Veneer Finish To Receive Selected Paint Finish. Door & frame types where indicated on schedule as acoustic, to have an acoustic performance rating of rw 30db in accordance with BB 93. Finish: as specification section M60. Ironmongery: see ironmongery schedule for ironmongery to each door. Gaps between door frames and walls in which they are fixed should be less than or equal to 10mm. The gaps to be filled full width with ram packed mineral wool and sealed both sides of the frame with non hardening sealant (measured elsewhere). All fire door sets (door & frame) to comply with BS 476 & require certificates from manufacturer stating the name of the school and the I.D. number of the relevant doors e.g. DT-01, the BS number and test type (fire resisting doorsets achieving 30 minute & 60 minute fire resistance (integrity) in accordance with BS 476:pt 22. Doors fitted with smoke deals to acheive a leakage rate not exceeding 3m 3/m/hour (head and jambs) when tested at 25pa to BS476: sect 31.1). Other requirements: Glazed Vision panels & sidelights: Glazed panels sizes, location etc where applicable as per Architects drawing. Glazing to non fire rated panels: Pyrobel - 7.5mm Pilkingtons clear laminated Pyradur plus or equal with impact rating "C" to BS 6206 and acoustic rating of Rw 35dB and 30/30 fire resistance. Surround / Bead: Softwood frame and cloaked beading strips, Preparation: primed as required for glazing compound, Glazing compound: to architects approval, apply glazing compound, using distance pieces to produce not less than 3mm finished thickness of back bedding after inserting glazing. Locate glazing centrally in the surround using setting and location blocks. Apply front glazing compound, filling all voids, and insert distance pieces. Bed beads in compound and fix securely. Finish visible edge of compound internally and externally with a smooth chamfer, all in accordance with Architects drawings and specification L40/2 (a).					

Description	Qty	Unit	Rate	€	c
<u>Acoustic doors & frames should comply with BB93 & have a minimum performance rating of Rw 30dB. Compression or wipe seals should be fitted around door perimeter with a threshold seal below (measured elsewhere). Acoustic seals to be fitted to beading around vision panels, where they occur in the doors as detailed. Door opening: for door opening direction refer to Architects plans. Additional requirements: doors requiring outward opening, access control and Hi & Low locking are individually listed as per comments section of the Architects door schedule TR-11. Architraves to be mitred; Frames: Timber species; softwood, moisture content on delivery 12% +/- 3%, finish as delivered M60, fixing with 6no expanding screws, 4mm diameter galvanised; all installations in accordance with doorset manufacturers instructions and Architects drawings & specifications; refer to Architect Drawing TR - 11 for further details and requirements</u> Doors with associated frameset A Door Type 'A', Glazed Single door with overhead fanlight & sidelights; 1950mm wide x 2700mm high, 1 Nr. glazed vision panel, nominal 250mm wide x 1400mm high, 2 Nr. glazed side panels, nominal 400mm wide x 2150mm high, 1 Nr. overhead fan light, nominal 550mm high x 1960 mm wide, Door glass type: clear laminated safety glass; Door fire rating: NFR; with access control; Door ref. DR 001 (existing building)	1	nr			

Description	Qty	Unit	Rate	€	c
<u>Internal fixed hardwood doors & screens:</u> <u>Wood species: Oak or to Architect's</u> <u>approval. Moisture content on delivery:</u> <u>12% to 19%. Glazing details. Clear</u> <u>laminated with Impact rating "C" to BS</u> <u>6206 and 7.5mm Pilkingtons clear laminated</u> <u>Pyradur Plus or equal with Impact rating</u> <u>"C" to BS 6206 and acoustic Rating of Rw</u> <u>35 dB. Ironmongery/accessories: as per</u> <u>ironmongery schedule FIRE RATING: Non Fire</u> <u>Rated, and FD30S as Required. Acoustic</u> <u>Rating: As Screen Schedule TR-12 in</u> <u>accordance with BB93. Finish as delivered:</u> <u>primed for painting M60. Fixing: as</u> <u>details. Special Note: Acoustic door sets</u> <u>to have lorient LP1504DS perimeter seals</u> <u>to frame, lorient LP1504DS & 1S7061 seals</u> <u>with 1S8010Si threshold seal to doors.</u> <u>Gaps between door frames and walls in</u> <u>which they are fixed should be less than</u> <u>or equal to 10mm. The gaps to be filled</u> <u>full width with ram packed mineral wool</u> <u>and sealed both sides of the frame with</u> <u>non hardening sealant (measured</u> <u>elsewhere). 5mm Dia X 87mm steel fixing</u> <u>screws. All in accordance with Architects</u> <u>drawing TR-11 & 12 and specifications.</u>					
Screens					
Screens					
A Screen Type J; W1550mm x H1150mm; with solid 60min fire rated hinged panel and frame W550mm x H1150mm opening into Secretary room; with Dorma TS73 TMF free swing door closer linked to fire alarm including all associated wiring / connections, grounds etc as per M&E drawings, lock and handle from office side and 1000mm wide x 1150mm high fixed safety glass screen, Screen fire rating: 60min, Screen Glass Type; 60/60; Screen ref. W01. All in accordance with Architects drawings TR- 12 and specifications.	1	nr			

	Description	Qty	Unit	Rate	€	c
	IRONMONGERY, ACCESSORIES AND SUNDRIES					
A	QUALITY ASSURANCE AND TECHNICAL SUPPORT: Manufacturer of doors, frames, ironmongery and other components for door assemblies shall be executed under comprehensive Quality Assurance schemes ISO9002. This quality management standard is additional to individual performance requirements. The Quality Assurance manual of each manufacturer of components of door assemblies which must achieve fire, smoke and/or acoustic control rating(s) shall require that every such component be of identical construction to the equivalent component as included in any performance test(s) and/or assessment(s) used to support such rating(s). Provide written confirmation thereof, with copies of the appropriate section(s) of the Quality Assurance manual(s)		note			
B	The supplier's qualified staff shall provide full, technical support, properly prepare and maintain door and ironmongery schedules and master key layouts and advise on specification, installation and operation		Item			
T71101 Scoil Realt na Mara Pricing Document August 2026					To Collection €	
BQ/307						

	Description	Qty	Unit	Rate	€	c
A	WARRANTIES : Due to the importance of door assemblies to the security and proper operation of the building and to the safety of occupants, suppliers of components of door assemblies shall be required to provide warranties for the following periods: Concealed bearing hinges 25 years & Other items of ironmongery a minimum of 10 years. Such warranties shall refer specifically to the project, state the required guarantee period(s) and confirm that "Having examined the floor plans, schedules and specifications, we hereby warrant that the goods supplied by us are suitable for use in and comply with the requirements of the Works. We agree to repair or replace, free of charge, items which are or become defective due to faulty materials or workmanship, or to their being unsuitable for intended building uses and/or prevailing external or internal environmental conditions, provided only that: (1) Relevant building uses and/or environmental conditions are either clear from the drawings and specifications, or have been drawn to our attention in writing, prior to manufacture or supply, (2) Our liability shall exclude such wear and tear of finishes as might reasonably be anticipated in relation to the drawings and details supplied to us and the materials and finishes selected & (3) Installation and maintenance are executed in accordance with our recommendations and the specifications".		note			
B	IRONMONGERY RANGES: The contractor is to to inform the ER of selected manufacturer/supplier and range. Where particular items are unavailable within the range alternatives compatible in performance, design, style, material, colour and finish may be submitted for approval.		note			
C	SAMPLES: The contractor shall submit examples in Original manufacturers packaging for approval. Keep approved samples on site for the duration of the contract		note			

	Description	Qty	Unit	Rate	€	c
A	IRONMONGERY FOR DOORSETS: The contractor shall provide ironmongery in Configurations packaging, clearly labelled to identify the products. Where necessary, deliver the packs of non-projecting items to the doorset manufacturer for factory fitting and deliver the other packs to site.		note			
B	IRONMONGERY FOR FIRE DOORS: Relevant products: Ironmongery fixed to, or morticed into, the component parts of a fire resisting door assembly. Compliance: Ironmongery included in successful tests to BS 476-22 or BS 1634-1 on door assemblies similar to those proposed. Certification: Submit test evidence, EC certificates of Conformity, EC declarations of Conformity. Melting point of components (except decorative non functional parts) 800 deg Celcius minimum		note			
C	The Contractor is to include for assembly, careful fixing and accurately using fastenings 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; Locks and Master keying; two keys to be provided for each unique cylinder, four master keys to be provided to open all lockers; Locks to be provided to all storage units high level and base units; Locks to all units in teachers desks to be keyed alike; Locks to all other student units to be master keyed; Locks to all office storage units to be mastered; In admin office main filing units to be keyed alike; Principals office all units to be keyed alike. All new locks to be masterkeyed to existing doors. The contractor shall provide a proprietary wall mounted lockable labelled key box to store all masterkeys.		Item			

	Description	Qty	Unit	Rate	€	c
A	Fixing Ironmongery to Fire Resisting Door Assemblies: General: All items fixed in accordance with door leaf manufacturer's recommendations ensuring that integrity of the assembly, as established by testing, is not compromised. Holes for through fixings and components: Accurately cut. Clearances: Not more than 8 mm unless protected by intumescent paste or similar. Lock/ Latch cases for fire doors requiring >60 minutes integrity performance: Coated with intumescent paint or paste before installation.		note			
B	Supply and fix the following ironmongery stocked by KCC Group or equivalent supplier; ironmongery must comply with TGD Part M; fix to timber backgrounds; 25 years warranty required on concealed bearing hinges, with a minimum of 10 years warranty on other items of ironmongery; principal material/finish to be grade 304 Satin stainless steel unless noted otherwise; all in accordance with manufacturer's instructions; Architect's Internal Ironmongery Schedule TR-4104 and Specification Ironmongery <u>Door Type A; NFR</u>		note			
C	Hinges; KH-1001R/SSS KCC Stainless Steel Ball Bearing Hinge to hEN1935 grade (4/7/6/1/1/4/0/13) and Certifire CF5247	3	nr			
D	Hingeplate Protectors ; Flexfire fire rated graphite based intumescent hingeplate protector, 2mm, Black, self adhesive	6	nr			
E	Door closers; KD-9200N/SSS KCC Architectural Slimline Cam Action Slide Channel Door Closer to HEN1154 grade 38(4/2)113	1	nr			
F	Door handle; KF-2001/SSS KCC Tubular Stainless Steel 304 19mm Unsprung Rose Lever Handle on Rose to BS EN1906:2012 grade 3/7-B0/3/0B	1	nr			

	Description	Qty	Unit	Rate	€	c
A	Deadlock; SS1172S60 Escape euro cylinder and Thumb Turn sash lock case c/w 3 keys per cylinder	1	nr			
B	Sashlock; KL-4901R/SSS KCC Contract Mortice Sashlock	1	nr			
C	Deadlock Cover; KF-2101/SSS KCC Stainless Steel 304 Euro Profile Escutcheon. 5mm	2	nr			
D	Kicker Plate; KA-9710S/304/150x900/SSS KCC Stainless Steel 304 Square Corner Kicking Plate 900x150mm	2	nr			
E	Doorstop; KA-9501/SSS KCC Floor Mounted Doorstop	1	nr			
F	Finger guard protection ; Finger Protection PRO 180° Door Safety PACK	2	nr			
	<u>Door access control system to glazed single door with sidelights, 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 and specification for further details</u>					
	Ironmongery					
G	glazed single door with side lights; Door Type A (DR001)	1	nr			
	<u>Door Type J; FD30s & FD60s</u>					
H	Hinges; KH-1001R/SSS KCC Stainless Steel Ball Bearing Hinge to hEN1935 grade (4/7/6/1/1/4/0/13) and Certifire CF5247	6	nr			
I	Hingeplate Protectors ; Flexfire fire rated graphite based intumescent hingeplate protector, 2mm, Black, self adhesive	12	nr			

	Description	Qty	Unit	Rate	€	c
A	Door closers (Fire Doors Only); KD-9200N/SSS KCC Architectural Slimline Cam Action Slide Channel Door Closer to HEN1154 grade 38(4/2)113	2	nr			
B	Door handle (set); KF-2001/SSS KCC Tubular Stainless Steel 304 19mm Unsprung Rose Lever Handle on Rose to BS EN1906:2012 grade 3/7-B0/3/0B	2	nr			
C	Deadlock; SS1172S60 Escape euro cylinder and Thumb Turn sash lock case c/w 3 keys per cylinder	2	nr			
D	Sashlock; KL-4901R/SSS KCC Contract Mortice Sashlock	2	nr			
E	Deadlock Cover; KF-2101/SSS KCC Stainless Steel 304 Euro Profile Escutcheon. 5mm	4	nr			
F	Kicker Plate; KA-9710S/304/150x900/SSS KCC Stainless Steel 304 Square Corner Kicking Plate 900x150mm	4	nr			
G	Doorstop; KA-9501/SSS KCC Floor Mounted Doorstop	2	nr			
H	XX48800/0Q Complete bolt set, with floor socket and intumescent pack for FD30 and FD60 fire doors	2	nr			
I	XX8066FP Intumescent Pack to Suit Hinges	6	nr			
J	KA-9200/304 Fire Door Keep Shut Sign (Satin Stainless Steel)	4	nr			
K	254x120mm fire door transfer grille (FB700 (FR)) are to be supplied with an intumescent core with a minimum fire rating of 1 hr.	2	nr			
L	Finger guard protection ; Finger Protection PRO 180° Door Safety PACK	4	nr			
	<u>Door Type G; FD60s</u>					
M	Hinges; KH-1001R/SSS KCC Stainless Steel Ball Bearing Hinge to hEN1935 grade (4/7/6/1/1/4/0/13) and Certifire CF5247	6	nr			

	Description	Qty	Unit	Rate	€	c
A	Door closers (Fire Doors Only); KD-9200N/SSS KCC Architectural Slimline Cam Action Slide Channel Door Closer to HEN1154 grade 38(4/2)113	1	nr			
B	Door Handle (set) ; KF-2001/SSS KCC Tubular Stainless Steel 304 19mm Unsprung Rose Lever Handle on Rose to BS EN1906:2012 grade 3/7-B0/3/0B	2	nr			
C	Deadlock; SS1172S60 Escape euro cylinder and Thumb Turn sash lock case c/w 3 keys per cylinder	1	nr			
D	Sashlock; KL-4901R/SSS KCC Contract Mortice Sashlock	1	nr			
E	Deadlock Cover; KF-2101/SSS KCC Stainless Steel 304 Euro Profile Escutcheon. 5mm	2	nr			
F	Kicker plate; KA-9710S/304/150x900/SSS KCC Stainless Steel 304 Square Corner Kicking Plate 900x150mm	4	nr			
G	Doorstop; KA-9501/SSS KCC Floor Mounted Doorstop	2	nr			
H	XX48800/0Q Complete bolt set, with floor socket and intumescent pack for FD30 and FD60 fire doors	2	nr			
I	XX8066FP Intumescent Pack to Suit Hinges	6	nr			
J	KA-9200/304 Fire Door Keep Shut Sign	4	nr			
	Sundries					
K	lorient 'LP1504DS' & 'IS7061' perimeter acoustic seal or equal approved as per detail on Architects drawing TR-11	31	m			
L	'IS8010 Si' threshold acoustic seal or equal approved as per detail on Architects drawing TR-11	8	m			
M	intumescent strip as required for 30 & 60 min fire doors as per detail on Architects drawing TR-11	36	m			

	Description	Qty	Unit	Rate	€	c
	<u>Insulation</u>					
A	10mm ram packed mineral wool sealed on both sides with non hardening sealant as per detail on Architects drawing TR-11; for fire / acoustic performance behind Door / Screen framing for fitting tolerances; all in accordance with Architect's drawings and specifications;	4	m2			
	<u>PAINTING AND DECORATING</u>					
	<u>PAINTING</u>					
	<u>Sanding down; dusting off; to match softwood painting; apply 1 coat of Dulux Quick Drying Wood Primer 2 coats of Dulux Diamond Satinwood finishing coats or equivalent; all in accordance with the manufacturers instructions and Architects Drawings Specification</u>					
	General Surfaces (doors & screens)					
B	exceeding 300mm (doors)	28	m2			
C	exceeding 300mm (screens)	4	m2			
	Second fixings					
D	< or = 300mm wide; architraves	51	m			
E	< or = 300mm wide; frames	37	m			
F	< or = 300mm wide; beading	8	m			

Description	Qty	Unit	Rate	€	c
COLLECTION					
Page No. BQ/273					
Page No. BQ/274					
Page No. BQ/275					
Page No. BQ/276					
Page No. BQ/277					
Page No. BQ/278					
Page No. BQ/279					
Page No. BQ/280					
Page No. BQ/281					
Page No. BQ/282					
Page No. BQ/283					
Page No. BQ/284					
Page No. BQ/285					
Page No. BQ/286					
Page No. BQ/287					
Page No. BQ/288					
Page No. BQ/289					
Page No. BQ/290					
Page No. BQ/291					
Page No. BQ/292					
Page No. BQ/293					
Page No. BQ/294					
Page No. BQ/295					
Page No. BQ/296					

Description	Qty	Unit	Rate	€	c
COLLECTION Page No. BQ/297 Page No. BQ/298 Page No. BQ/299 Page No. BQ/300 Page No. BQ/301 Page No. BQ/302 Page No. BQ/303 Page No. BQ/304 Page No. BQ/305 Page No. BQ/306 Page No. BQ/307 Page No. BQ/308 Page No. BQ/309 Page No. BQ/310 Page No. BQ/311 Page No. BQ/312 Page No. BQ/313 Page No. BQ/314 EL (32) INTERNAL WALL COMPLETIONS Carried to Summary					
T71101 Scoil Realt na Mara					
Pricing Document					
August 2026					
BQ/316					

Description	Qty	Unit	Rate	€	c
<u>INFORMATION</u>					
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			
<u>WOODWORK</u>					
STRUCTURAL & FIRST FIXINGS					
<u>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</u>					
Carcassing					
cross- section 25mm x 50mm; (around rooflights)	27	m			
cross- section 57mm x 95mm; (around rooflights)	27	m			
<u>Graded softwood for joists, rafters and structural use generally to be strength graded to BS 4978 or BS EN 519 or other national equivalent and so marked; Strength class to BS EN 338: C16; Preservation treatment to be as section Z12 and British Wood Preserving and damp-proofing Association Commodity Specification C8; sawn finish; treated; fixed to existing joists for strengthening; all in accordance with Architect's and Engineer's drawings and specifications</u>					
Carcassing					

	Description	Qty	Unit	Rate	€	c
A	cross-section; 50mm x 50mm; (ceiling battens) COMPOSITE ITEMS <u>Ceiling Access Hatches; Description: airtight insulated access hatches as located on general arrangement drawings; Manufacturer: Contractors choice; The PROFAB 1000 FR series range of steel lockable access panels meet requirements of this clause ; Steel lockable access panels, fire rated metal access panels for ceilings, insulated, or equivalent and approved. Product reference: Contractors choice; Performance: insulated and airtight; Resistance to fire: resistance not less than ceiling system; Operation: Manually operating; access hatch to be locked with access for maintenance personnel only; include for framing members, softwood lining/architrave and all other like items necessary to complete installation; all installations in accordance with manufacturers instructions; all in accordance with Architects drawings and specifications</u> Composite items	746	m			
B	access hatch; 600 x 600mm	5	nr			

	Description	Qty	Unit	Rate	€	c
	FLOOR WALL AND CEILING FINISHINGS					
	SUSPENDED CEILINGS					
	BOARD FINISHES					
	<u>ACOUSTIC SUSPENDED PLASTERBOARD CEILING ON METAL FRAMING LOCATION: CLASSROOM 01 & 02, SEN CENTRAL ACTIVITIES SPACE, MULTI ACTIVITIES Manufacturer: Submit proposals. Product reference: Ecophon Saint-Gobain 40mm Fade Acoustic Plaster Plus + or equal on Sections at 400mm centres connected to Connect C-Profile Plus. Hangers: Connected C-Profile, L=3100mm, Hanger centres:1200 mm. Grid centres: As per Manufacturers details. Linings: One layer 40 mm Acoustic Plasterboard. Recycled content: Submit proposals. Screw centres: As per Manufacturers details. Insulation: 40mm included within plasterboard U-value of 0.7 W/m2K. Recycled content: Submit proposals. Finishing: Skim coat plaster. Primer/ Sealer: Primer to painted areas. Accessories: Provide bracing and stiffening at upstands for access hatches. All in accordance with Architects drawings and specifications.</u>					
A	Ceilings average depth of suspension 0-500mm; to underside of sloping roof	176	m2			
	<u>Extra over the above for</u>					
	<u>Perimeter Trim; Fixings to perimeters; all installations in accordance with the manufacturer's instructions; all in accordance with Architect's drawings and specifications</u>					
B	Accessories angle trims	102	m			
C	forming vertical upstands to roof finish at circular rooflights; include for all framing, angles, trims and the like; all in accordance with Architect's drawings and specifications	5	nr			

	Description	Qty	Unit	Rate	€	c
A	<u>Ecophon (Saint-Gobain) Focus DS fully concealed Grid suspended ceiling system fitted in accordance with manufacturer's instructions. Location as per reflected ceiling plan. All in accordance with Architects drawings and specifications</u>	259	m2			
	Ceilings					
	average depth of suspension 0-500mm; to underside of sloping roof;					
B	<u>Perimeter Trim; Fixings to perimeters; all installations in accordance with the manufacturer's instructions; all in accordance with Architect's drawings and specifications</u>	267	m			
	Accessories					
	angle trims					
C	<u>Ecophon (Saint-Gobain) Hygiene Meditec Class A fully concealed Grid suspended ceiling System, fitted in accordance with manufacturer's instructions Location as per reflected ceiling plan</u>	51	m2			
	Ceilings					
	average depth of suspension 0-500mm; to underside of sloping roof;					
D	<u>Perimeter Trim; Fixings to perimeters; all installations in accordance with the manufacturer's instructions; all in accordance with Architect's drawings and specifications</u>	76	m			
	Accessories					
	angle trims					

	Description	Qty	Unit	Rate	€	c
	Rigitone casoline MF. Gyptone big quattro 41 Location as per reflected ceiling plan. Manufacturer: Submit proposals. - Product reference: Rigitone Gyptone BIG Quattro 41. Casoline MF or equal on Sections at 450mm centres connected to Primary Channels. Structural soffit: Timber joists to Engineers Details. Suspension system: Hangers: Primary Channels MF7 screwed with Wafer Head Jack-Point screws to GA1 Angle. Hanger centres:1200 mm. Grid centres: As per Manufacturers details. Recycled content: Submit proposals. Screw centres: 230 mm generally, reduced to 150 mm at board ends. Insulation:2 Layers x 200mm thick Earthwool mineral fibre insulation above ceiling / in Between joists to achieve U-value of 0.11 W/m2K. Recycled content: Submit proposals. Finishing: Skim coat plaster. Primer/ Sealer: Primer to painted areas. Accessories: Provide bracing and stiffening at upstands for access hatches. All in accordance with Architects drawings and specifications. Ceilings A average depth of suspension 0-500mm; to underside of sloping roof; Perimeter Trim; Fixings to perimeters; all installations in accordance with the manufacturer's instructions; all in accordance with Architect's drawings and specifications. Accessories B angle trims BOARD FINISHES 2 hour fire rated ribbed metal lath with 19mm gyproc bonding coat and 2mm gyproc finish plaster. All installations in accordance with the manufacturer's instructions; all in accordance with Architect's drawings and specifications. Ceilings C >300mm wide	47	m2			
		97	m			
		19	m2			

	Description	Qty	Unit	Rate	€	c
	<u>Standard plasterboard; Type: To BS EN 520, type A; Core density (minimum): 650 kg/m3; Reaction to fire: Class A2-s1, d0. Water vapour resistance factor: Manufacturer's standard; Thermal conductivity: Manufacturer's standard; Other BS EN 520 characteristics: None; Recycled content: Contractor's choice; Exposed surface and edge profiles: Clean and undamaged; 12.5 mm thick to BS EN 520; fixed to timber battens with screws; bounded edges running at right angles to timber backings; should be staggered to avoid end joints; filling and taping joints; primer/sealer as recommended by board manufacturer for vapour control including metal beads/stops as recommended by board manufacturer; including 2-3mm thick skim coat of plaster; smooth trowelled finish; all in accordance with manufacturer's instructions; all in accordance with Architect's drawings and specifications</u>					
	Upstands					
A	Forming vertical upstands to ceiling; Girth 1050mm; include for all framing, angles, trims and the like. Classroom 1 & Classroom 2	15	m2			
B	Forming vertical upstands to ceiling; Girth 640mm; include for all framing, angles, trims and the like. Multi Activity Space	7	m2			

	Description	Qty	Unit	Rate	€	c
	<u>PAINTING AND DECORATING</u>					
	<u>PAINTING</u>					
	<u>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</u>					
A	Upstands >300mm wide	22	m2			
	<u>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</u>					
B	Ceilings >300mm wide	19	m2			

Description		Qty	Unit	Rate	€	c
<u>WORKS TO EXISTING BUILDING</u>						
<u>ENTRANCE CANOPY</u>						
<u>WOODWORK</u>						
STRUCTURAL & FIRST FIXINGS						
<u>Graded softwood for joists, rafters and structural use generally to be strength graded to BS 4978 or BS EN 519 or other national equivalent and so marked; Strength class to BS EN 338: C16; Preservation treatment to be as section Z12 and British Wood Preserving and damp-proofing Association Commodity Specification C8; sawn finish; treated; fixed to existing joists for strengthening; all in accordance with Architect's and Engineer's drawings and specifications</u>						
A	Carcassing					
	cross-section; 38mm x 38mm; (ceiling battens)	28	m			

	Description	Qty	Unit	Rate	€	c
	COMPOSITE ITEMS					
	<u>Ceiling Access Hatches with insulated lockable hatch with ladder; Description: airtight insulated access hatches as located on general arrangement drawings; Manufacturer: Contractors choice; The PROFAB 1000 FR series range of steel lockable access panels meet requirements of this clause ; Steel lockable access panels, fire rated metal access panels for ceilings, insulated, or equivalent and approved. Product reference: Contractors choice; Performance: insulated and airtight; Resistance to fire: resistance not less than ceiling system; Operation: Manually operating; access hatch to be locked with access for manitenance personnel only; include for framing members,softwood lining/architrave and all other like items necessary to complete installation; all installations in accordance with manufacturers instructions; all in accordance with Architects drawings and specifications</u>					
	Composite items					
A	access hatch; 1200 x 900mm	2	nr			
	<u>FLOOR WALL AND CEILING FINISHINGS</u>					
	SUSPENDED CEILINGS					
	BOARD FINISHES					
	<u>Ecophon (Saint-Gobain) Focus DS fully concealed Grid suspended ceiling system fitted in accordance with manufacturer's instructions. Location as per reflected ceiling plan. All in accordance with Architects drawings and specifications</u>					
	Ceilings					
B	average depth of suspension 0-500mm	47	m2			

	Description	Qty	Unit	Rate	€	c
A	<u>Perimeter Trim; Fixings to perimeters; all installations in accordance with the manufacturer's instructions; all in accordance with Architect's drawings and specifications</u> Accessories angle trims 15mm suspended plasterboard ceiling on metal framing location: Entrance lobby, Main Entrance Foyer & Corridor 01. Manufacturer: Submit proposals. Product reference: 15mm Gypsum Board. Casoline MF or equal on Sections at 450mm centres connected to Primary Channels. Structural soffit: Timber joists to Engineers Details. Suspension system: Hangers: Primary Channels MF7 screwed with Wafer Head Jack-Point screws to GA1 Angle. Hanger centres: 1200 mm. Grid centres: As per Manufacturers details. Linings: One layer 15 mm plasterboard. Recycled content: Submit proposals. Screw centres: 230 mm generally, reduced to 150 mm at board ends. Insulation: 2 Layers x 200mm thick Earthwool mineral fibre insulation above ceiling / in Between joists to achieve U-value of 0.11 W/m2K. Recycled content: Submit proposals. Finishing: Skim coat plaster. - Primer/ Sealer: Primer to painted areas. Accessories: Provide bracing and stiffening at upstands for access hatches. All in accordance with Architects drawings and specifications. Ceilings average depth of suspension 0-500mm; to underside of sloping roof, (Corridor 01 & Entrance Lobby) <u>Perimeter Trim; Fixings to perimeters; all installations in accordance with the manufacturer's instructions; all in accordance with Architect's drawings and specifications</u> Accessories angle trims	64	m			
B		31	m2			
C		46	m			

	Description	Qty	Unit	Rate	€	c
	BOARD FINISHES					
	<u>15mm Gyproc 1 hr fire rated plasterboard MF ceiling system skimmed and painted to match existing, all in accordance with manufacturer's instructions; all in accordance with Architect's drawings and specifications</u>					
	Ceilings					
A	>300mm wide; (Comms Room & Electrical Room)	6	m2			
	<u>PAINTING AND DECORATING</u>					
	PAINTING					
	<u>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</u>					
	Ceilings					
B	>300mm wide	16	m2			

Description	Qty	Unit	Rate	€	c
COLLECTION					
Page No. BQ/317					
Page No. BQ/318					
Page No. BQ/319					
Page No. BQ/320					
Page No. BQ/321					
Page No. BQ/322					
Page No. BQ/323					
Page No. BQ/324					
Page No. BQ/325					
Page No. BQ/326					
Page No. BQ/327					
EL (35) SUSPENDED CEILINGS					
Carried to Summary					

Description	Qty	Unit	Rate	€	c
<u>INFORMATION</u> 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. <u>PREAMBLES</u> 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. All Rooflight rates below are to include for all associated upstands, supports, fixings, forming opening in roof finish, flashings and general weathering as required <u>METALWORK</u> ROOF ACCESS HATCHES <u>KATT Fixed Access ladder System or equilavent ; 525mm clear rung width, 300mm rung spacing and 132mm rung perimeter; Grade 6106 aluminium ladder & associated components; A4 stainless fasteners complaint with BS EN ISO 14122:Part 1 & 4:2016 and relevent parts of BS 4211:2005+A1:2008 all installations in accordance with manufacturers instructions and details; all in accordance with Architects drawings and specifications; refer to Architects drawing TR-09 for further details and requirements</u> Composite items; Fixed Access Ladder System generally	1	nr	Note Note		

	Description	Qty	Unit	Rate	€	c
	<u>Soll Pivotloc Foldable Ladder System or equilavent ; opened or folded closed ladder system ; 800mm length, 500mm wide when open and 195mm wide when closed ; 80mm rung distance; Grade 6106 aluminium ladder & associated components; A4 stainless fasteners complaint with BS EN ISO 14122:Part 1 & 4:2016 and relevent parts of BS 4211:2005+A1:2008 all installations in accordance with manufacturers instructions and details; all in accordance with Architects drawings and specifications; refer to Architects drawing TR09 for further details and requirements</u> Composite items; Foldable Ladder System					
A	generally	1	nr			
	ROOFLIGHTS					
B	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			
C	The Contractor shall refer to the Architects specification for further information in relation to design requirements		Note			
	<u>Rooflights fixed to flat roof ; Velux CCP100100 with Dome cover ISD or equilavent; with insulated and slashed upstands to rooflights; all in accordance with manufacturers, design, drawings and specifications to meet Architect's specifications; refer to Architects drawing TR-09 and specification for further information and requirements</u> Rooflights					
D	1000 x 1000mm	5	nr			

	Description	Qty	Unit	Rate	€	c
	<u>FITTINGS</u>					
	FITTING, EQUIPMENT AND FURNITURE					
A	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. <u>Step over walkway ladder by Skyway Safe Access equipment or equivalent ; product reference PIVOTLOC Vertical Ladder System with built in all prevention track ; designed to BS5950-1 with safety hoop; platforms, hot dip galvanised durbar pattern mild steel tread plate, finished as delivered : galvanised to BS EN ISO1461; Fixing bolted to concrete floor edges; Flooring:Aluminium bar grating with slip resistance value of finish - water wet (minimum) PTV to BS 7976 of 49; Guarding: 25mm SHS sections, galvanised to BS EN ISO 1461; Edge protection: 100mm as BS8300; Handrails: galvanised low carbon steel; all in accordance with manufacturers, design, drawings and specifications to meet Architect's specifications; refer to Architects drawing TR-09 and specification for further information and requirements</u> Equipment		item			
B	generally (Roof Walkway)	45	m			

	Description	Qty	Unit	Rate	€	c
	<u>WORKS TO EXISTING BUILDING</u>					
	<u>DEMOLITIONS & ALTERATIONS</u>					
	ALTERATIONS					
	<u>Forming ope to rooflight in existing roof (1.5m x 1.5m) to include removal and disposal of all material including roof slates (which contain asbestos).</u> <u>Contractor to confirm with all health and safety regulation when disposing of asbestos materials</u>					
A	forming ope		item			
	<u>METALWORK</u>					
	ROOFLIGHTS					
B	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			
C	The Contractor shall refer to the Architects specification for further information in relation to design requirements		Note			
	<u>Rooflight Center pivot into existing pitched roof structure ; Velux GGL PK04 2070 or equilavent; complete with all flashings; all in accordance with manufacturers, design, drawings and specifications to meet Architect's specifications; refer to Architects drawing TR-09 and specification for further information and requirements</u>					
	Rooflights					
D	1000 x 1000mm	1	nr			

Description	Qty	Unit	Rate	€	c
BRISE SOLEIL <u>Brise Soleil ; to include 12mm galavanised steel rods inbetween 65mm to 125mm tapered 8mm thick galvanised steel fins with 75mm wide and 5 mm thick galvanised steel plates on top to from "T" shaped profiles; all in accordance with Engineers Specifications and drawings; refer to Engineers drawing 0351-S207 and specification for further information and requirements</u> Brise soleil 2300 x 1600mm	1	nr			

Description	Qty	Unit	Rate	€	c
COLLECTION					
Page No. BQ/329					
Page No. BQ/330					
Page No. BQ/331					
Page No. BQ/332					
Page No. BQ/333					
EL (37) ROOF COMPLETIONS Carried to Summary					

Description	Qty	Unit	Rate	€	c
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.		Note			
		Note			

	Description	Qty	Unit	Rate	€	c
	<u>WALL FINISHINGS</u>					
	IN-SITU FINISHES					
	External render. Substrate: Concrete blockwork, as section F10. Preparation: Scud Coat - this best applied by throwing the mixture onto the surface of the wall from a hand scoop. The wall surface should be covered with a single layer of scud coat 3-5mm thick and no steps should be taken to smooth the surface. This provides a good key and uniform suction for later work. Undercoat - This is the most important part of a rendering in keeping out the rain. It should not exceed 12mm in thickness, always comb fresh undercoats to provide a sufficient key for the next coat. Outer coat - This should be either a weaker mix or thinner than the under coat. In general, it should be less than 10mm in thickness. Standards: IS EN 998-1:2016, EN 13914-1:2016, Background: dense concrete block. Preparation: recess joints and apply scud coat of 1:2 cement sharp sand. Undercoats: Lime: sand: Ready mixed to IS EN 998-1:2016 Sand: to IS EN 13139:2002 Mix (cement:lime:sand) - 1:1:6 Thickness (excluding dubbing out) 10-16mm. Final coat: Lime:sand:Ready Mix to IS EN 998-1:2016 Sand: to IS EN 13139:2002 Lime:sand manufacturers: contractors choice. Product reference: to be agreed. Mix (cement:lime:sand) - 1:1:4,5 Thickness: 8-10mm, Finish: Wood-float. Accessories: AR mesh reinforcement must be included in the rendering along the lintel, external arises are formed by using rigid PVC or stainless steel beads Bell cast stops and beads; all installations in accordance with Architects drawings and specifications Walls; 25mm thick render A width not exceeding 300mm B width over 300mm Plinth; 15mm thick render; forming bellcast projection with stainless steel bead C girth 150-300mm	16	m2			
		508	m2			
		54	m			

	Description	Qty	Unit	Rate	€	c
	<u>Beading; stainless steel beading TBS EN 10088-1, grade 1.430; 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</u> Sundries					
A	galvanised stainless steel angle bead; corners	122	m			
B	galvanised stainless steel angle bead to reveals	159	m			
C	galvanised stainless steel stop bead to reveals	159	m			
D	galvanised stainless steel stop bead at parapet/ eaves/ gables of roof	218	m			
E	galvanised stainless steel stop bead at interface with facing cladding	11	m			

	Description	Qty	Unit	Rate	€	c
	<u>PAINTING AND DECORATING</u>					
	EXTERNAL PAINTING					
	<u>Colourtrend external wet dash render masonry paint or equivalent, to rendered walls. Preparation: Remove loose and spalled material and wash down. Initial Coats: 1 Nr, Finishing coats: Apply 2 coats by brush, roller, conventional spray or airless spray, For conventional spray application, thin with up to 1 part clean water to 2.5 parts of paint. For airless spray application, thin with up to 1 part clean water to 5 parts of paint. For brush or roller application, thin with up to 1 part clean water to 10 parts of paint if required (Do not exceed this dosage). Allow a minimum drying time of 2-4 hours between coats (touch dry in 1-2 hours) in normal drying conditions. Do not apply on heated surfaces. Do not apply when the temperature is below 10°C or when there is a likelihood of rain, fog or frost all in accordance with Manufacturers instructions; all in accordance with Architects drawings and specifications</u>					
	Walls					
A	not exceeding 300mm wide (reveals)	16	m2			
B	exceeding 300mm wide	508	m2			

	Description	Qty	Unit	Rate	€	c
	<u>WORKS TO EXISTING BUILDING</u>					
	<u>WALL FINISHINGS</u>					
	<u>IN-SITU FINISHES</u>					
	<u>External render. Substrate: Concrete blockwork, as section F10. Preparation: Scud Coat - this best applied by throwing the mixture onto the surface of the wall from a hand scoop. The wall surface should be covered with a single layer of scud coat 3-5mm thick and no steps should be taken to smooth the surface. This provides a good key and uniform suction for later work. Undercoat - This is the most important part of a rendering in keeping out the rain. It should not exceed 12mm in thickness, always comb fresh undercoats to provide a sufficient key for the next coat. Outer coat - This should be either a weaker mix or thinner than the under coat. In general, it should be less than 10mm in thickness. Standards: IS EN 998-1:2016, EN 13914-1:2016, Background: dense concrete block. Preparation: recess joints and apply scud coat of 1:2 cement sharp sand. Undercoats: Lime: sand: Ready mixed to IS EN 998-1:2016 Sand: to IS EN 13139:2002 Mix (cement:lime:sand) - 1:1:6 Thickness (excluding dubbing out) 10-16mm. Final coat: Lime:sand:Ready Mix to IS EN 998-1:2016 Sand: to IS EN 13139:2002 Lime: sand manufacturers: contractors choice. Product reference: to be agreed. Mix (cement:lime:sand) - 1:1:4,5 Thickness: 8-10mm, Finish: Wood-float. Accessories: AR mesh reinforcement must be included in the rendering along the lintel, external arises are formed by using rigid PVC or stainless steel beads Bell cast stops and beads; all installations in accordance with Architects drawings and specifications</u>					
	Walls; 25mm thick render					
A	width not exceeding 300mm	2	m2			
B	width over 300mm	20	m2			

	Description	Qty	Unit	Rate	€	c
	<u>PAINTING AND DECORATING</u>					
	EXTERNAL PAINTING					
	<u>Colourtrend external wet dash render masonry paint or equivalent, to rendered walls. Preparation: Remove loose and spalled material and wash down. Initial Coats: 1 Nr, Finishing coats: Apply 2 coats by brush, roller, conventional spray or airless spray, For conventional spray application, thin with up to 1 part clean water to 2.5 parts of paint. For airless spray application, thin with up to 1 part clean water to 5 parts of paint. For brush or roller application, thin with up to 1 part clean water to 10 parts of paint if required (Do not exceed this dosage). Allow a minimum drying time of 2-4 hours between coats (touch dry in 1-2 hours) in normal drying conditions. Do not apply on heated surfaces. Do not apply when the temperature is below 10°C or when there is a likelihood of rain, fog or frost all in accordance with Manufacturers instructions; all in accordance with Architects drawings and specifications</u>					
	Walls					
A	not exceeding 300mm wide (reveals)	2	m2			
B	exceeding 300mm wide	59	m2			

	Description	Qty	Unit	Rate	€	c
	<u>INFORMATION</u>					
A	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			
	<u>FLOOR WALL AND CEILING FINISHINGS</u>					
	FINISHINGS					
	IN - SITU FINISHES					
B	Plastering to comply with BS 8000:Part 10:1986 for workmanship		note			
	<u>Gypsum Plaster on Cement Gauged Undercoats to all Internal Blockwork Walls;</u> <u>Substrate: Concrete blockwork as section F10; Preparation: Splatterdash keying coat; Undercoats: Mix: Group 3 mortar; Thickness (excluding dubbing out and keys): 10mm (maximum) overall; Final coat: Gypsum plaster to BS 1191-1, class B; Manufacturer: British gypsum; Product reference: Skim Coat finish; Thickness: 3mm; Finish: smooth; Accessories: Beads and stops (beads measured elsewhere); all installations in accordance with manufacturers instructions; all in accordance with Architects drawings and specifications</u>					
	Walls					
C	not exceeding 300mm wide	72	m2			
D	not exceeding 300mm wide (staff room)	4	m2			
E	exceeding 300mm wide	1,252	m2			
F	exceeding 300mm wide (staff room)	70	m2			

	Description	Qty	Unit	Rate	€	c
	<u>Galvanised steel beading to BS 6452-1</u> <u>include for fixing to concrete blockwork</u> <u>and other like items; in installations in</u> <u>accordance with manufacturer's</u> <u>instructions and Architects drawings and</u> <u>specifications</u>					
	Sundries; beads					
A	stop bead	363	m			
B	angle bead	677	m			
	<u>Plasterwork; overall thickness 13mm; 2mm</u> <u>thick scud coat in cement and sand (1:2)</u> <u>to blockwork background; scratch coat of</u> <u>cement lime and sand (1:1:6) to a total</u> <u>thickness of 8mm; finish with a neat</u> <u>hardwall plaster 3mm thick; smooth</u> <u>trowelled finish; all in accordance with</u> <u>the manufacturers instructions</u>					
	Walls					
C	width < or = 300mm (SEN)	5	m2			
D	width > 300mm (SEN's)	3	m2			
E	width > 300mm (staff room)	2	m2			
F	width > 300mm (SEN)	88	m2			
	STUD PARTITIONS					
	<u>Box outs to steel structure; 18mm thick</u> <u>MDF plywood and MDF; with air tightness</u> <u>membrane to be continued from ceiling to</u> <u>meet head of window; all in accordance</u> <u>with the manufacturer's instructions and</u> <u>Architects drawings TR-16</u>					
	Boxing out					
G	> 300mm wide	21	m2			

	Description	Qty	Unit	Rate	€	c
	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 <u>Tiling to Splashbacks; Rows: 4 rows high (400mm) to rear wall above worktop/ countertop; Tiles: Pilkington Architectural or equivalent plain tiles in selected colours TBC by Architect; Size:100mm x 100mm; Tiles To Be Returned At Each End 600mm; Fixed Strictly In Accordance With Manufacturers Written Instructions; Perimeter Beads To Be Provided (measured elsewhere); Background/ Base: new sand/cement render on concrete blockwork; Preparation: Moisture resistant sealer as recommended by adhesive manufacturer; Bedding: BAL round notched trowel; Adhesive: BAL Wall White star as below; Joint width: 2 mm; Movement joints: Refer to BS 5358, part 3 Clauses 19 and 23.6; Grout: BAL Grout with BAL Admix GT1 OEA; all installations in accordance with manufacturers instructions; all in accordance with Architects drawings and specifications</u> Walls (Splashbacks)		Note			
C	width > 300mm (SEN's)	6	m2			
D	width > 300mm (staff room)	2	m2			

	Description	Qty	Unit	Rate	€	c
	<u>Supply and install a 10mm proprietary tile beading; 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</u> Sundries; Beading					
A	angle beading, internal corners (SEN's)	2	m			
B	angle beading, internal corners (staff room)	1	m			
C	stop beading (SEN's)	31	m			
D	stop beading (staff room)	7	m			
	<u>Tiling to Shower and WC walls; Tiles: 3000 x 600mm; Architectural Glazed Ceramic Wall Tiles In Selected Colours; Fixed Strictly In Accordance With Manufacturers Written Instructions; Perimeter Beads To Be Provided (measured elsewhere); Background/Base: new sand/cement render on concrete blockwork; Preparation: Moisture resistant sealer as recommended by adhesive manufacturer; Bedding: BAL round notched trowel; Adhesive: BAL Wall White star as below; Grout: BAL Grout with BAL Admix GT1 OEA; Joint width: 2 mm; Movement joints: Refer to BS 5358, part 3 Clauses 19 and 23.6; Accessories: allow for cutting tiles to accommodate shower fittings as necessary, PVC trim etc.; all installations in accordance with manufacturers instructions; all in accordance with Architects drawings and specifications</u> Walls (SEN WC areas)					
E	width < or = 300mm	5	m2			
F	width > 300mm	88	m2			

	Description	Qty	Unit	Rate	€	c
	<u>Supply and install a 10mm proprietary tile beading; 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</u> Sundries; Beading					
A	angle beading, internal corners	24	m			
B	stop beading	24	m			
	<u>PAINTING AND DECORATING</u>					
	PAINTING					
	<u>Cleaning down and dusting off; Interior walls painting to plastered surfaces; Manufacturer: Dulux Paints or equivalent; Surface: Concrete Blockwork and plastered surfaces; Preparation: As per Architects Specification; Initial Coat: One coat of Dulux Eggshell or equivalent paint; Finishing Coat: Two coats of Dulux Eggshell or equivalent paint; all installations in accordance with manufacturers instructions; all in accordance with Architects drawings and specifications</u> Walls					
C	not exceeding 300mm wide	79	m2			
D	exceeding 300mm wide	992	m2			

	Description	Qty	Unit	Rate	€	c
	<u>Cleaning down and dusting off;</u> <u>Manufacturer: Ruberoid or equivalent dust</u> <u>proofer; Surface: new concrete blockwork</u> <u>and plastered walls; Preparation: As per</u> <u>Architects specification; Coat(s): two</u> <u>coats Ruberoid or equivalent concrete</u> <u>hardener/dust proofer to new concrete</u> <u>blockwork and blockwork plastered walls;</u> <u>all installations in accordance with</u> <u>manufacturers instructions; all in</u> <u>accordance with Architects drawings,</u> <u>specifications and finishes schedule</u>					
	Walls					
A	not exceeding 300mm wide	2	m2			
B	exceeding 300mm wide	95	m2			
	<u>Cleaning down and dusting off; Painting to</u> <u>interior mild steel radiators, pipes and</u> <u>exposed steel; Surface: exposed steel;</u> <u>Preparation: As per Architects</u> <u>specification; Coats: Initial coat: One</u> <u>coat Dulux or equivalent metal primer, &</u> <u>one coat Dulux or equivalent undercoat;</u> <u>Finishing coats: One coat Dulux or</u> <u>equivalent High Gloss paint; all</u> <u>installations in accordance with</u> <u>manufacturers instructions; all in</u> <u>accordance with Architects drawings and</u> <u>specifications</u>					
	Radiator pipework					
C	< or = 300mm wide	22	m			
	<u>Cleaning down and dusting off; Interior</u> <u>walls painting to MDF surfaces;</u> <u>Manufacturer: Dulux Paints or equivalent:</u> <u>Surface: MDF surfaces; Preparation: As per</u> <u>Architects Specification; Initial Coat:</u> <u>One coat of Dulux Eggshell or equivalent</u> <u>paint; Finishing Coat: Two coats of Dulux</u> <u>Eggshell or equivalent paint; all</u> <u>installations in accordance with</u> <u>manufacturers instructions; all in</u> <u>accordance with Architects drawings and</u> <u>specifications</u>					
	Walls					
D	exceeding 300mm wide	21	m2			

	Description	Qty	Unit	Rate	€	c
	<u>WORKS TO EXISTING BUILDING</u>					
	<u>FLOOR WALL AND CEILING FINISHINGS</u>					
	FINISHINGS					
	IN - SITU FINISHES					
A	Plastering to comply with BS 8000:Part 10:1986 for workmanship		note			
	<u>Gypsum Plaster on Cement Gauged Undercoats to all Internal Blockwork Walls;</u> <u>Substrate: Concrete blockwork as section F10; Preparation: Splatterdash keying coat; Undercoats: Mix: Group 3 mortar; Thickness (excluding dubbing out and keys): 10mm (maximum) overall; Final coat: Gypsum plaster to BS 1191-1, class B; Manufacturer: British gypsum; Product reference: Skim Coat finish; Thickness: 3mm; Finish: smooth; Accessories: Beads and stops (beads measured elsewhere); all installations in accordance with manufacturers instructions; all in accordance with Architects drawings and specifications</u>					
	Walls					
B	not exceeding 300mm wide	4	m2			
C	exceeding 300mm wide	46	m2			
	<u>Galvanised steel beading to BS 6452-1 include for fixing to concrete blockwork and other like items; in installations in accordance with manufacturer's instructions and Architects drawings and specifications</u>					
	Sundries; beads					
D	stop bead	27	m			
E	angle bead	34	m			

	Description	Qty	Unit	Rate	€	c
	<u>PAINTING AND DECORATING</u>					
	<u>PAINTING</u>					
	<u>Cleaning down and dusting off; Interior walls painting to fair faced blockwork and plastered surfaces; Manufacturer: Dulux Paints or equivalent; Surface: Concrete Blockwork and plastered surfaces; Preparation: As per Architects Specification; Initial Coat: One coat of Dulux Trade Blockfiller Plus or equivalent paint; Finishing Coat: Two coats of Colourtrend or equivalent paint; all installations in accordance with manufacturers instructions; all in accordance with Architects drawings and specifications</u>					
	Walls					
A	not exceeding 300mm wide	13	m2			
B	exceeding 300mm wide	229	m2			
	<u>Cleaning down and dusting off; Manufacturer: Ruberoid or equivalent dust proofer; Surface: new concrete blockwork and plastered walls; Preparation: As per Architects specification; Coat(s): two coats Ruberoid or equivalent concrete hardener/dust proofer to new concrete blockwork and blockwork plastered walls; all installations in accordance with manufacturers instructions; all in accordance with Architects drawings, specifications and finishes schedule</u>					
	Walls					
C	not exceeding 300mm wide	2	m2			
D	exceeding 300mm wide	46	m2			

Description		Qty	Unit	Rate	€	c
A	<u>Cleaning down and dusting off; Painting to interior mild steel radiators, pipes and exposed steel; Surface: exposed steel; Preparation: As per Architects specification; Coats: Initial coat: One coat Dulux or equivalent metal primer, & one coat Dulux or equivalent undercoat; Finishing coats: One coat Dulux or equivalent High Gloss paint; all installations in accordance with manufacturers instructions; all in accordance with Architects drawings and specifications</u>					
	Radiator pipework < or = 300mm wide	10	m			

Description	Qty	Unit	Rate	€	c
COLLECTION					
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					
Page No. BQ/349					
Page No. BQ/350					
EL (42) INTERNAL WALL FINISHES Carried to Summary					

	Description	Qty	Unit	Rate	€	c
	<u>INFORMATION</u>					
	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			
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 manufacturers 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 achieved 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			
	Warranties:					
C	Linoleum to BS EN ISO 24011		Item			
D	25 year warranty when installed and maintained as per manufacturer's instructions		Item			

	Description	Qty	Unit	Rate	€	c
	WOODWORK					
	BOARDING & SECOND FIXINGS					
	<u>Softwood skirting generally. Type: Ex 110X19mm Softwood skirting; Profile: to architects' approval, see -A-06(7). Thickness: 19mm; Moisture resistant grade to BS 1 142. Finish: Prepared primed & painted as M60; Fixing: countersink, screw or rivet and pellet. All in accordance with Architects drawings and specifications.</u>					
	Second fixings					
A	skirting	304	m			
	FLOOR WALL AND CEILING FINISHINGS					
	FLEXIBLE SHEET FINISHES					
	<u>Linoleum flooring - R9: Location: As per 422011-TR02-08 Proposed Floor Finishes, Base: new concrete slab, Moisture not to exceed 3.5% Flooring roll: Linoleum to EN 548 and EN670. Manufacturer and reference: Any of the following or other equal and approved: (must have factory applied protective coating). Forbo Marmoleum Linoleum Marbled with top shield. Armstrong Marmorette PUR. Tarkett Veneto or Toscano or Etrusco with XF coating. Freudenberg Noraplan Eco rubber. Width: 2000 mm, Thickness: 2.5 mm, rubber 1220mm wide, Thickness 2.0mm. Colour/pattern: colour to be advised; Adhesive: to manufacturer's recommendation. Seam welding: rubber only - hot welded with 4mm complimentary coloured rod Before handover clean thoroughly with Neutral Detergent, rinse & dry. Special requirements: seams to be unobtrusive and kept to a minimum as BELOW, to run the length of an area rather than across the line of main traffic, to be kept away from areas of heavy wear or narrow access. All in accordance with Architects drawings and specifications.</u>					
	Floors					
B	exceeding 300mm wide	88	m2			
	<u>Extra over</u> on the above for					

	Description	Qty	Unit	Rate	€	c
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 <u>Linoleum flooring - R10: Location: As per 422011-TR02-08 Proposed Floor Finishes, Base: new concrete slab, Moisture not to exceed 3.5% Flooring roll: Linoleum to EN 548 and EN670. Manufacturer and reference: Any of the following or other equal and approved: (must have factory applied protective coating). Forbo Marmoleum Linoleum Marbled with top shield. Armstrong Marmorette PUR. Tarkett Veneto or Toscano or Etrusco with XF coating. Freudenberg Noraplan Eco rubber. Width: 2000 mm, Thickness: 2.5 mm, rubber 1220mm wide, Thickness 2.0mm. Colour/pattern: colour to be advised; Adhesive: to manufacturer's recommendation. Seam welding: rubber only - hot welded with 4mm complimentary coloured rod Before handover clean thoroughly with Neutral Detergent, rinse & dry. Special requirements: seams to be unobtrusive and kept to a minimum as BELOW, to run the length of an area rather than across the line of main traffic, to be kept away from areas of heavy wear or narrow access. All in accordance with Architects drawings and specifications.</u> Floors	92	m			
B	exceeding 300mm wide	48	m2			

Description	Qty	Unit	Rate	€	c
Safety flooring - R11: Location: As per 422011-TR02-08 Proposed Floor Finishes, Base: Concrete floor, Moisture not to exceed 2.5%. Manufacturer and reference: Any of the following or other equal: Forbo Sufestep Aqua Safety Floor. Armstrong Safeguard. Tarkett Eminent Safe T. Freudenberg Noraplan Grip rubber. Width: 2000 mm, (Grip rubber 1220mm), Thickness: 2 mm. Colour/pattern: to be confirmed. Adhesive: Low emissivity to manufacturer's recommendation. Seam welding: Hot welded to manufacturer's recommendations. Slip resistance to DIN 51130: R11 A heterogeneous safety vinyl collection combining decorative coloured chips with coloured quartz particles and PUR pearl surface finish. Durable slip resistance guaranteed for the product lifetime and ease of maintenance required in general traffic areas where additional slip resistance properties are required. Complies with BS EN 13845 Class ESf. wet pendulum values of >36. surface roughness of 20 microns. DIN51130 (Ramp test): R11. 33 colours available. All in Accordance with Architects drawings and specifications.					
Floors exceeding 300mm wide - Wet Areas <u>Extra over</u> on the above for	59	m2			

Description		Qty	Unit	Rate	€	c
A	Self coved skirting Cove former: Quantum Profile Systems reference QCF35 - 35mm radius tapered to architraves. Securely bond to base and background using contact adhesive. Accurately mitre at corners. Capping strip: Quantum Profile Systems UCS2 PVC capping strip. Where wall finish is ceramic tiles use Quantum Profiles QCT1. Securely bond to background using contact adhesive, with top edge straight and parallel with floor. Turn flooring material up wall, securely bond to cove former and background using adhesive specified for fixing to base, and ease top of material into edge trim. Accurately mitre at corners. All joints to be hot welded in accordance with the manufacturer's instructions. Height: [insert required height] mm. All in accordance with Architects drawings and specifications.	72	m			

Description	Qty	Unit	Rate	€	c
Acoustic flooring: Marmoleum acoustic. Part of the Marmoleum Marbled collection, Marmoleum Acoustic is a twin layered acoustic linoleum designed to achieve 14 dB impact sound reduction (ISO 717-2). It is composed of a 2 mm Corkment under layer plus 2 mm of Marmoleum, which is calendared on the Corkment. Using Marmoleum acoustic saves on both installation and adhesive costs, because the product can be installed in one operation, avoiding the need to first install Corkment and then Marmoleum. Roll width: 2000 mm. Thickness: 4.0 mm. Colours/ patterns: 6 standard colourways. Matching welding rods are available in all collection colours. Consult with Forbo technical literature for details. Flooring roll: Linoleum to BS EN 687. Product reference: Forbo Marmoleum acoustic. BS EN 685 class: 23 / 33 / 41. Width: 2000 mm. Thickness: 4.0 mm. Colour/ pattern: As finishes schedule. Adhesive (and primer if recommended by manufacturer): Eurocol 414/ 696 Euroflex Lino Plus - A synthetic resin dispersion adhesive with a high initial grab. Eurocol 614 Eurostar Lino Plus - A superior acrylic dispersion very low VOC-emission adhesive with a high initial grab. Eurocol 233 Eurosol Contact - A synthetic rubber in solvent fast setting contact adhesive. Seam welding: Hot welding with matching coloured rod. Accessories: Edging and cover strips, as clause 740. Stair nosing, as clause 750. skirting, as clause 770. Finishing: As clause 820 omitting polish finish. Other requirements: Seek advice from Forbo for specific requirements for flooring. All in accordance with Architects drawings and specifications. Floors exceeding 300mm wide	248	m2			

Description	Qty	Unit	Rate	€	c
CARPET					

Description	Qty	Unit	Rate	€	c
Flotex carpeting to SEN classroom areas: Location: Highlighted areas of 2 no. Classrooms Base: new concrete slab, Moisture not to exceed 3.5% Flooring roll: homogeneous linoleum to EN 548 and EN670 Manufacturer and reference: Any of the following or other equal and approved: (must have factory applied protective coating) Forbo Flotex Calgary Flooring Width: 2000 mm, Thickness: 2.5 mm. Colour/ pattern: colour to be advised. Adhesive: to manufacturer's recommendation Seam welding: rubber only - hot welded with 4mm complimentary coloured rod Before handover clean thoroughly with Neutral Detergent, rinse & dry. Special requirements: seems to be unobtrusive and kept to a minimum as BELOW, to run the length of an area rather than across the line of main traffic, to be kept away from areas of heavy wear or narrow access. Anti-microbial treatment to ensure continuous protection against bacteria Stain resistant and 100% waterproof Slip resistant whether wet or dry Acoustic properties of 20dB Electrostatically Flocked Sheet Textile Flooring to EN 1307:2005 An electrostatically Flocked carpet manufactured to EN 1307:2005 from 100% nylon 6.6 pile with a Resilient Waterproof backing. Available in the 4 designs with 37 colourways, 8 colourways, 31 colourways & 34 colourways. Roll width: 2m Thickness: 4.3mm Consult with manufacturer for technical literature and details. Suggested Compliant Manufacturer: Forbo Flooring Ltd. Compliant range: Flotex 'Colour' sheet - Select from 4 designs. BS EN 685 classification: Class 33 Level of use class: Heavy Contract Slip Resistance: UK SRG pendulum; Dry - Very Low risk. Wet Low Risk Acoustic: EN ISO 717-2 Impact Sound 20Db Acoustic: ISO 354 Sound Absorption 0.10 Colour/ pattern: As per finishes schedule Adhesive (and primer if recommended by manufacturer): Eurocol 540 Eurosafe Special. A superior acrylic dispersion solvent-free floor covering adhesive with a high initial grab. Eurocol 640 Eurostar Special A superior acrylic dispersion low VOC emission adhesive with a high initial grab. All in Accordance with Architects drawings and specifications.					

	Description	Qty	Unit	Rate	€	c
A	Floors exceeding 300mm wide <u>Matwell flooring: Location: Main Entrance Lobby. Base: new concrete slab. Entrance Mat Rubber/Alum. Tuftiguard Classic Heavy-Duty Module 2, double closed. 17mm. thickness - Nuway Large Format. not tile format Mattwell Brushed Stainless Steel. Self-finished 20x20x5mm. Brushed Stainless steel with corners welded, ground and brushed. Fabricated Stainless-Steel Frame 25x25x6mm. All in accordance with Architects drawings and specifications.</u>	38	m2			
B	Floors exceeding 300mm wide SUNDRIES <u>Gradus carpet / linoleum trims 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 drawings for further details & requirements</u>	2	m2			
C	Trims (matwell) generally	5	m			

	Description	Qty	Unit	Rate	€	c
	<u>PAINTING AND DECORATING</u>					
	<u>PAINTING</u>					
	<u>Prepare concrete floor surfaces and apply two-coat polyurethane floor paint system, including all surface preparation (mechanical abrasion), cleaning, repairs to minor defects, primer/sealer (as required), and two finish coats of selected polyurethane floor paint, complete with all labour, materials and protection, to leave a finished floor in accordance with the specification. All in accordance with manufacturers instructions and all in accordance with Architects drawings and specifications.</u>					
	Floors					
A	exceeding 300 mm wide	19	m2			
	<u>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 drawings for further details & requirements</u>					
	skirting					
B	not exceeding 300 mm wide	304	m			
	<u>Works to Existing Building Building</u>					
	<u>INFORMATION</u>					
C	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			

	Description	Qty	Unit	Rate	€	c
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 manufacturers 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 achieved 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			
	<u>WOODWORK</u>					
	BOARDING & SECOND FIXINGS					
	<u>Softwood skirting generally. Type: Ex 110X19mm Softwood skirting; Profile: to architects' approval, see -A-06(7). Thickness: 19mm; Moisture resistant grade to BS 1 142. Finish: Prepared primed & painted as M60; Fixing: countersink, screw or rivet and pellet. All in accordance with Architects drawings and specifications.</u>					
	Second fixings					
C	skirting	24	m			

	Description	Qty	Unit	Rate	€	c
A	IRONMONGERY, ACCESSORIES & SUNDRIES <u>Flexible sealant; forming air barrier; gap between wall and floor below skirting boards; to be filled with an approved flexible permanent sealant; as per Architect's drawings and specification; all in accordance with the Manufacturer's instructions; all in accordance with Architect's drawings and Specification.</u> Sundries seals	24	m			
	<u>FLOOR WALL AND CEILING FINISHINGS</u> <u>FLEXIBLE SHEET FINISHES</u> <u>Linoleum flooring - R9: Location: As per 422011 TR-02-08 Proposed Floor Finishes, Base: new concrete slab, Moisture not to exceed 3.5% Flooring roll: Linoleum to EN 548 and EN670. Manufacturer and reference: Any of the following or other equal and approved: (must have factory applied protective coating). Forbo Marmoleum Linoleum Marbled with top shield. Armstrong Marmorette PUR. Tarkett Veneto or Toscano or Etrusco with XF coating. Freudenberg Noraplan Eco rubber. Width: 2000 mm, Thickness: 2.5 mm, rubber 1220mm wide, Thickness 2.0mm. Colour/pattern: colour to be advised; Adhesive: to manufacturer's recommendation. Seam welding: rubber only - hot welded with 4mm complimentary coloured rod Before handover clean thoroughly with Neutral Detergent, rinse & dry. Special requirements: seams to be unobtrusive and kept to a minimum as BELOW, to run the length of an area rather than across the line of main traffic, to be kept away from areas of heavy wear or narrow access. All in accordance with Architects drawings and specifications.</u> Floors exceeding 300mm wide; (Main Entrance Foyer)	26	m2			

	Description	Qty	Unit	Rate	€	c
	CARPET					
A	Entrance matting					
	Matwell flooring: Location: Main Entrance Lobby. Base: new concrete slab. Entrance Mat Rubber/Alum. Tuftiguard Classic Heavy-Duty Module 2, double closed. 17mm. thickness - Nuway Large Format. not tile format Mattwell Brushed Stainless Steel. Self-finished 20x20x5mm. Brushed Stainless steel with corners welded, ground and brushed. Fabricated Stainless-Steel Frame 25x25x6mm. All in accordance with Architects drawings and specifications.					
B	exceeding 300mm wide; (Entrance Lobby)	6	m2			
	SUNDRIES					
	<u>Gradus carpet / linoleum trims 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 drawings for further details & requirements</u>					
C	Trims (matwell) generally	10	m			
	<u>PAINTING AND DECORATING</u>					
	PAINTING					
	<u>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 drawings for further details & requirements</u>					
D	skirting not exceeding 300 mm wide	24	m			

Description	Qty	Unit	Rate	€	c
COLLECTION					
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					
EL (43) FLOOR FINISHES					
Carried to Summary					

	Description	Qty	Unit	Rate	€	c
	<u>INFORMATION</u> 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. 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 All roofing details and weathering to be in accordance with manufacturers details and recommendations 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			
			Note			
			Note			
			Note			
			Note			
A	Quadcore assured panel warranty must include the following:		NOTE			
B	25 years insurance backed thermal performance		Item			
C	25 years insurance backed fire performance		Item			
D	25 years structural performance		Item			
E	25 years environmental performance		Item			
F	Up to 25 years external membrane performance		Item			

	Description	Qty	Unit	Rate	€	c
A	It is a recommendation of the Quadcore Assured Panel Warranty that the insulated panel identification label, which will have a specific project registration number, is installed in an agreed location. The project architect, cladding sub - contractor or owner should place or communicate the positioning of these labels in an appropriate and accessible location on the building		Item			
B	All roofing details and weathering to be in accordance with manufacturers details and recommendations		Item			
	<u>PREAMBLES</u> The Contractor's rates shall be deemed to include for all costs associated with providing airtight seals to roof finishes in accordance with Architect's drawings and specifications. <u>PITCHED ROOF</u> RIGID SHEET COVERINGS					
C	Air leakage rate as per Architects requirements to be achieved on roof design. The contractor shall ensure air leakage rate is achieved		Item			
D	Kingspan Insulated Panels or equivalent, roof cladding system for standard internal & external non-corrosive environments also Loss Prevention Certification Board certified to LPS 1181 Grade EXT-B.		Item			
E	Panels manufactured under the following ISO standards 14001, 18001, 9001.		Item			

	Description	Qty	Unit	Rate	€	c
	<u>ROOF TYPE 3, 4 & 6</u>					
	<u>Roof Coverings ; Kingspan Quadcore KS1000 insulated roof panels or equivalent ; Standard: BS EN ISO 9001, BS EN ISO 14001, BS EN ISO 45001, BS EN ISO 50001, BE ISO 37301; Panels: Self supporting double skin metal faced insulating panels with a PVC standing seam profile at 500mm centres; Factory made products; Panel construction - Panel internal face, Material: Steel, Grade: S280GD, Profile: Trapezodial ; Core insulation: Quadcore 120mm thick ; finished as delivered ; to achieve 0.14 W/m2K with PVC standing seam at 500mm centres; installations in accordance with the manufacturers instructions; as per Architects specification associated with the cladding; refer to Architect's drawings for further details and information</u>					
A	Roofing; horizontal width over 300mm (slope not exceeding 15 degrees)	297	m2			
	<u>Extra over for</u>					
	<u>Forming Upstand Detail; waterproofing membrane Kingspan Quadcore SK1000 or equivalent build up as per flat roof finish; 60mm vertical & horizontal insulation as detailed; ; 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 information</u>					
B	girth 450 - 600mm	100	m			
	<u>PVC purpose made cold formed metal verge flashing; 2mm thick galvanised steel material or equivalent with PVC membrane with colour to make face of panel; sealing and fasteners all in accordance with manufacturer's instructions; all in accordance with Architect's drawings and specifications</u>					
C	girth 450-600mm	20	m			

	Description	Qty	Unit	Rate	€	c
A	<u>PVC purpose made cold formed metal eaves soffit flashing; 2mm thick galvanised steel material or equivalent with PVC membrane with colour to make face of panel; sealing and fasteners all in accordance with manufacturer's instructions; all in accordance with Architect's drawings and specifications</u> girth 150-300mm	70	m			
B	<u>PVC purpose made cold formed metal fascia flashing; 2mm thick galvanised steel material or equivalent with PVC membrane with colour to make face of panel; sealing and fasteners all in accordance with manufacturer's instructions; all in accordance with Architect's drawings and specifications</u> girth 300-450mm;	70	m			
C	<u>PVC purpose made cold formed metal drip flashing; 2mm thick galvanised steel material or equivalent with PVC membrane with colour to make face of panel; sealing and fasteners all in accordance with manufacturer's instructions; all in accordance with Architect's drawings and specifications</u> girth 150-300mm	70	m			

Description	Qty	Unit	Rate	€	c
FLEXIBLE SHEET METAL COVERINGS <u>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 Architect's 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 equivalent PIR Insulation board as detailed; allow for Insulation between structural timbers and to underside of plywood; all gaps to be sealed with fire rated canister Insulation; 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 Insulation 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 specifications; refer to Architect drawings TR-16 for further details and requirements</u> Cappings (parapets) girth 750 - 900mm	100	m			

	Description	Qty	Unit	Rate	€	c
	WOODWORK					
	IRONMONGERY, ACCESSORIES & SUNDRIES					
	<u>Mineral rockwool insulation to specification; in 2 layers and thickness as stated. lower layer depth to same depth as and fitted tightly between ceiling joists, tightly fitted to vapor barrier and airtightness membrane. The upper layer of insulation to be laid tightly packed to depth to achieve component u-value of 0.12w/m2k; thickness of insulation to achieve u-value; all installations in accordance with the manufacturer's instructions; all in accordance with Architect's drawings and specifications</u>					
	Insulation					
A	thermal; 100mm thick; horizontal between joists	297	m2			
	<u>Proclima 'Intello' or equivalent Air-tightness membrane/vapour control layer; IAB approved; Material: polypropylene/polyethylene copolymer; Minimum vapour resistance: EN1931 56,000; Installation requirements: - Setting out: Joints minimized. - Method of fixing: Double sided sealant tape. - Joints: At supports only, lapped 150 mm minimum. - Openings: Membrane fixed to reveals. - Joints and edges: Sealed with double sided tape with vapour resistivity not less than the vapour control layer. Penetrations: Sealed. Other requirements: - Use airtightness tapes as required by system manufacturer, Proclima Tescon Vana or equivalent (measured elsewhere); all in accordance with the manufacturers requirements; all installations, lapping and jointing in accordance with the manufacturer's instructions; all in accordance with the Architect's drawings and specifications.</u>					
	Ceilings					
B	>300mm wide	297	m2			
	<u>Extra over</u> the above for					

	Description	Qty	Unit	Rate	€	c
A	Air tightness: Panels including seals to have an air tightness equal to 3.5 cubic meters / hour / sq. meter with Metal angles and air tight sealants at junctions between the roof and the external wall Fixture & Fittings to comply with EN14509:2013 and as per manufacturers instructions. <u>ROOF TYPE 2</u> <u>Roof Coverings ; Kingspan Quadcore Topdek insulated roof panels or equilavent hot welded standing seam onto roof panel ; Standard: BS EN ISO 9001, BS EN ISO 14001, BS EN ISO 45001, BS EN ISO 50001, BE ISO 37301; Panels: Self supporting insulated roof deck comprising a high perfromace single ply PVC membrane with insulation and a trapezodial steel deck. Factory made products;Panel construction - Panel internal face, Material: Steel, Grade: S220GD, Profile: Trapezodial ; Core insulation: Quadcore 120mm; Outer skin 1.5mm thick PVC membrane from IKO Armourplan or Sika Trocal; Inner skin .0015mm cleansafe ; l installations in accordance with the manufacturers instructions; as per Architects specification associated with the cladding; refer to Architect's drawings for further details and information</u> Roofing; horizontal	116	m			
B	width over 300mm (slope not exceeding 15 degrees) <u>Extra over for</u> <u>Forming weathering detail with rooflights and upstands; including all insulation, weather proofing, sealing and flashing to match roof panels/ finish; all installations in accordance with manufacturer's instructions; as Dwg ST2-16; all in accordance with Architect's drawings and specifications</u>	138	m2			
C	girth 450 - 600mm	4	m			

	Description	Qty	Unit	Rate	€	c
A	<u>Forming Upstand Detail; waterproofing membrane Kingspan Quadcore SK1000 or equivalent build up as per flat roof finish; 60mm vertical & horizontal insulation as detailed; ; 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 information</u> girth 450 - 600mm <u>PVC purpose made cold formed metal verge flashing; 2mm thick galvanised steel material or equivalent with PVC membrane with colour to make face of panel; sealing and fasteners all in accordance with manufacturer's instructions; all in accordance with Architect's drawings and specifications</u> Verges	7	m			
B	girth 450-600mm <u>PVC purpose made cold formed metal eaves soffit flashing; 2mm thick galvanised steel material or equivalent with PVC membrane with colour to make face of panel; sealing and fasteners all in accordance with manufacturer's instructions; all in accordance with Architect's drawings and specifications</u> Eaves soffit flashing	20	m			
C	girth 150-300mm <u>PVC purpose made cold formed metal fascia flashing; 2mm thick galvanised steel material or equivalent with PVC membrane with colour to make face of panel; sealing and fasteners all in accordance with manufacturer's instructions; all in accordance with Architect's drawings and specifications</u> Fascia flashing	20	m			
D	girth 300-450mm;	20	m			

Description	Qty	Unit	Rate	€	c
PVC purpose made cold formed metal drip flashing; 2mm thick galvanised steel material or equivalent with PVC membrane with colour to make face of panel; sealing and fasteners all in accordance with manufacturer's instructions; all in accordance with Architect's drawings and specifications Drip flashing girth 150-300mm 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 Architect's 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 equivalent PIR insulation board as detailed; allow for insulation between structural timbers and to underside of plywood; all gaps to be sealed with fire rated canister insulation; 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 insulation 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 specifications; refer to Architect drawings TR-16 for further details and requirements Cappings (parapets)	20	m			

	Description	Qty	Unit	Rate	€	c
A	girth 750 - 900mm <u>WOODWORK</u> IRONMONGERY, ACCESSORIES & SUNDRIES <u>Mineral rockwool insulation to specification; in 2 layers and thickness as stated. lower layer depth to same depth as and fitted tightly between ceiling joists, tightly fitted to vapor barrier and airtightness membrane. The upper layer of insulation to be laid tightly packed to depth to achieve component u-value of 0.12w/m2k; thickness of insulation to achieve u-value; all installations in accordance with the manufacturer's instructions; all in accordance with Architect's drawings and specifications</u> Insulation	11	m			
B	thermal; 100mm thick; horizontal between joists <u>Proclima 'Intello' or equivalent Air-tightness membrane/vapour control layer; IAB approved; Material: polypropylene/polyethylene copolymer; Minimum vapour resistance: EN1931 56,000; Installation requirements: - Setting out: Joints minimized. - Method of fixing: Double sided sealant tape. - Joints: At supports only, lapped 150 mm minimum. - Openings: Membrane fixed to reveals. - Joints and edges: Sealed with double sided tape with vapour resistivity not less than the vapour control layer. Penetrations: Sealed. Other requirements: - Use airtightness tapes as required by system manufacturer, Proclima Tescon Vana or equivalent (measured elsewhere); all in accordance with the manufacturers requirements; all installations, lapping and jointing in accordance with the manufacturer's instructions; all in accordance with the Architect's drawings and specifications.</u> Ceilings	138	m2			
C	>300mm wide	138	m2			

	Description	Qty	Unit	Rate	€	c
A	<u>Extra over</u> the above for Air tightness: Panels including seals to have an air tightness equal to 3.5 cubic meters / hour / sq. meter with Metal angles and air tight sealants at junctions between the roof and the external wall Fixture & Fittings to comply with EN14509:2013 and as per manufacturers instructions. <u>ROOF TYPE 1, 5</u> <u>FLAT ROOF</u> <u>RIGID SHEET COVERINGS</u> <u>Roof Coverings ; Kingspan Quadcore Topdek insulated roof panels or equilavent hot welded standing seam onto roof panel ; Standard: BS EN ISO 9001, BS EN ISO 14001, BS EN ISO 45001, BS EN ISO 50001, BE ISO 37301; Panels: Self supporting insulated roof deck comprising a high performace single ply PVC membrane with insulation and a trapezodial steel deck. Factory made products;Panel construction - Panel internal face, Material: Steel, Grade: S220GD, Profile: Trapezodial ; Core insulation: Quadcore 120mm; Outer skin 1.5mm thick PVC membrane from IKO Armourplan or Sika Trocal; Inner skin .0015mm cleansafe ; 1 installations in accordance with the manufacturers instructions; as per Architects specification associated with the cladding; refer to Architect's drawings for further details and information</u> Roofing; horizontal width over 300mm <u>Extra over</u> for	125	m			
B		198	m2			

	Description	Qty	Unit	Rate	€	c
A	<u>Forming weathering detail with rooflights and upstands; including all insulation, weather proofing, sealing and flashing to match roof panels/ finish; all installations in accordance with manufacturer's instructions; as Dwg ST2-16; all in accordance with Architect's drawings and specifications</u> girth 450 - 600mm	16	m			
B	<u>Forming opening, weathering/ sealing and installation of Syphonic outlets connected to rainwater downpipes</u> not exceeding 0.5m2	8	nr			
C	<u>PVC purpose made cold formed metal verge flashing; 2mm thick galvanised steel material or equivalent with PVC membrane with colour to make face of panel; sealing and fasteners all in accordance with manufacturer's instructions; all in accordance with Architect's drawings and specifications</u> girth 450-600mm	26	m			
D	<u>PVC purpose made cold formed metal eaves soffit flashing; 2mm thick galvanised steel material or equivalent with PVC membrane with colour to make face of panel; sealing and fasteners all in accordance with manufacturer's instructions; all in accordance with Architect's drawings and specifications</u> girth 150-300mm	26	m			
E	<u>PVC purpose made cold formed metal fascia flashing; 2mm thick galvanised steel material or equivalent with PVC membrane with colour to make face of panel; sealing and fasteners all in accordance with manufacturer's instructions; all in accordance with Architect's drawings and specifications</u> girth 300-450mm;	26	m			

	Description	Qty	Unit	Rate	€	c
A	PVC purpose made cold formed metal drip flashing; 2mm thick galvanised steel material or equivalent with PVC membrane with colour to make face of panel; sealing and fasteners all in accordance with manufacturer's instructions; all in accordance with Architect's drawings and specifications girth 150-300mm 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 Architect's 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 equivalent PIR Insulation board as detailed; allow for insulation between structural timbers and to underside of plywood; all gaps to be sealed with fire rated canister insulation; 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 insulation 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 specifications; refer to Architect drawings TR-16 for further details and requirements Cappings (parapets) girth 750 - 900mm	26	m			
B		21	m			

	Description	Qty	Unit	Rate	€	c
	WOODWORK					
	IRONMONGERY, ACCESSORIES & SUNDRIES					
	<u>Mineral rockwool insulation to specification; in 2 layers and thickness as stated. lower layer depth to same depth as and fitted tightly between ceiling joists, tightly fitted to vapor barrier and airtightness membrane. The upper layer of insulation to be laid tightly packed to depth to achieve component u-value of 0.12w/m2k; thickness of insulation to achieve u-value; all installations in accordance with the manufacturer's instructions; all in accordance with Architect's drawings and specifications</u>					
A	Insulation thermal; 100mm thick; horizontal between joists	198	m2			
	<u>Proclima 'Intello' or equivalent Air-tightness membrane/vapour control layer; IAB approved; Material: polypropylene/polyethylene copolymer; Minimum vapour resistance: EN1931 56,000; Installation requirements: - Setting out: Joints minimized. - Method of fixing: Double sided sealant tape. - Joints: At supports only, lapped 150 mm minimum. - Openings: Membrane fixed to reveals. - Joints and edges: Sealed with double sided tape with vapour resistivity not less than the vapour control layer. Penetrations: Sealed. Other requirements: - Use airtightness tapes as required by system manufacturer, Proclima Tescon Vana or equivalent (measured elsewhere); all in accordance with the manufacturers requirements; all installations, lapping and jointing in accordance with the manufacturer's instructions; all in accordance with the Architect's drawings and specifications.</u>					
B	Ceilings >300mm wide	198	m2			
	<u>Extra over</u> the above for					

A

Air tightness: Panels including seals to have an air tightness equal to 3.5 cubic meters / hour / sq. meter with Metal angles and air tight sealants at junctions between the roof and the external wall Fixture & Fittings to comply with EN14509:2013 and as per manufacturers instructions.

103

m

WORKS TO EXISTING BUILDING - ROOF TYPE 7

FLAT ROOF

RIGID SHEET COVERINGS

Roof Coverings ; Kingspan Quadcore Topdek insulated roof panels or equilavent hot welded standing seam onto roof panel ; Standard: BS EN ISO 9001, BS EN ISO 14001, BS EN ISO 45001, BS EN ISO 50001, BE ISO 37301; Panels: Self supporting insulated roof deck comprising a high performace single ply PVC membrane with insulation and a trapezodial steel deck. Factory made products;Panel construction - Panel internal face, Material: Steel, Grade: S220GD, Profile: Trapezodial ; Core insulation: Quadcore 120mm; Outer skin 1.5mm thick PVC membrane from IKO Armourplan or Sika Trocal; Inner skin .0015mm cleansafe ; installations in accordance with the manufacturers instructions; as per Architects specification associated with the cladding; refer to Architect's drawings for further details and information

Roofing; horizontal

width over 300mm

11

m2

Extra over for

B

	Description	Qty	Unit	Rate	€	c
A	<u>Forming weathering detail with rooflights and upstands; including all insulation, weather proofing, sealing and flashing to match roof panels/ finish; all installations in accordance with manufacturer's instructions; as Dwg TR-16; all in accordance with Architect's drawings and specifications</u> girth 450 - 600mm	4	m			
B	<u>Forming Upstand Detail; waterproofing membrane Kingspan Quadcore Topdek or equivalent build up as per flat roof finish; 60mm vertical & horizontal insulation as detailed; ; 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 information</u> girth 450 - 600mm	4	m			

Description	Qty	Unit	Rate	€	c
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 Architect's 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 equivalent PIR Insulation board as detailed; allow for insulation between structural timbers and to underside of plywood; all gaps to be sealed with fire rated canister insulation; 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 insulation 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 specifications; refer to Architect drawings TR-16 for further details and requirements					
Cappings (parapets) girth 750 - 900mm	4	m			

	Description	Qty	Unit	Rate	€	c
	WOODWORK					
	IRONMONGERY, ACCESSORIES & SUNDRIES					
	<u>Mineral rockwool insulation to specification; in 2 layers and thickness as stated. lower layer depth to same depth as and fitted tightly between ceiling joists, tightly fitted to vapor barrier and airtightness membrane. The upper layer of insulation to be laid tightly packed to depth to achieve component u-value of 0.12w/m2k; thickness of insulation to achieve u-value; all installations in accordance with the manufacturer's instructions; all in accordance with Architect's drawings and specifications</u>					
A	Insulation thermal; 100mm thick; horizontal between joists	11	m2			
	<u>Proclima 'Intello' or equivalent Air-tightness membrane/vapour control layer; IAB approved; Material: polypropylene/polyethylene copolymer; Minimum vapour resistance: EN1931 56,000; Installation requirements: - Setting out: Joints minimized. - Method of fixing: Double sided sealant tape. - Joints: At supports only, lapped 150 mm minimum. - Openings: Membrane fixed to reveals. - Joints and edges: Sealed with double sided tape with vapour resistivity not less than the vapour control layer. Penetrations: Sealed. Other requirements: - Use airtightness tapes as required by system manufacturer, Proclima Tescon Vana or equivalent (measured elsewhere); all in accordance with the manufacturers requirements; all installations, lapping and jointing in accordance with the manufacturer's instructions; all in accordance with the Architect's drawings and specifications.</u>					
B	Ceilings >300mm wide	11	m2			
	<u>Extra over</u> the above for					

Description		Qty	Unit	Rate	€	c
A	Air tightness: Panels including seals to have an air tightness equal to 3.5 cubic meters / hour / sq. meter with Metal angles and air tight sealants at junctions between the roof and the external wall Fixture & Fittings to comply with EN14509:2013 and as per manufacturers instructions.	12	m			

Description	Qty	Unit	Rate	€	c
COLLECTION					
Page No. BQ/366					
Page No. BQ/367					
Page No. BQ/368					
Page No. BQ/369					
Page No. BQ/370					
Page No. BQ/371					
Page No. BQ/372					
Page No. BQ/373					
Page No. BQ/374					
Page No. BQ/375					
Page No. BQ/376					
Page No. BQ/377					
Page No. BQ/378					
Page No. BQ/379					
Page No. BQ/380					
Page No. BQ/381					
Page No. BQ/382					
Page No. BQ/383					
Page No. BQ/384					
EL (47) ROOF FINISHES Carried to Summary					

	Description	Qty	Unit	Rate	€	c
	<u>INFORMATION</u> 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 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). <u>DRAINAGE</u> DISPOSAL ABOVE GROUND					
A	GUARANTEE: Kingspan Highline Gutter, Up to 10 year external coating warranty.		Item			
B	Pipes, fittings and accessories: To BS 8530 & Designed to BS EN 12056-3;2000, Grade 6063 T6 alloy. <u>Kingspan limited highline gutter or equivalent ; girth 600mm normally; Hot dipped zinc / aluminium Galfan coated metal to BS EN 10326:2004; Gauge .595mm; Finish :Kingspan XL Forte standard colour ; fixing methods: support arm 600mm long at 666mm centres; install in accordance with manufacturer's instructions; all in accordance with Architect's drawings and specifications</u> Gutters		note			
C	diameter 150mm;	65	m			
D	<u>Extra over</u> pipes on which they occur					
E	<u>extra over</u> for stop end	11	nr			
F	<u>extra over</u> for outlet connection to uPVC downpipe	3	nr			

	Description	Qty	Unit	Rate	€	c
	Double sided galvanised steel rainwater pipes pipework - Manufacturer: Contractor's choice. Contractor to submit proposal. Standard: Pipes, fittings and accessories: To BS 8530. Section: Circular pipe. Size: 150 mm diameter. Main contractor to submit drainage calculations to confirm rainwater pipes number off and size for roofing and drainage system proposed. Type / grade: 6063 TF alloy. Finish: Polyester Powder Coated. Colour: RAL to match Aluminium Window system. Brackets: - Fixings: Pipe clip fixed at maximum 2.0m centres. Plug and screw to wall with number 12 x 50mm round head twin thread screws and washers bright zinc plated to BS 1706:1960 Class ZN3. Seal internal spigot joints Accessories: Bends, Branches, Access Pipes, 3 Piece Offset, Shoes, Rainwater Head, Pipe Clips - Standard base clips: suitable for a 150 mm diameter pipe to match RWP finish. Hopper / rainwater head: suitable for a 150 mm diameter pipe to match RWP finish. . All in accordance with Architects drawings and specifications. Pipes; surface fixed; vertical					
A	diameter 150mm;	42	m			
	<u>Extra over pipes on which they occur</u>					
B	Swanneck	1	nr			
C	bends (90 degrees)	5	nr			
D	T-junctions	1	nr			
E	rodding eye	1	nr			

	Description	Qty	Unit	Rate	€	c
	<u>Extruded Heavy Duty grade aluminium to BS 8530 for flush mounting to building; circular section aluminium downpipe system; pipe wall thickness 2mm; Fixing: plugged & screwed through lugged collars and pipe brackets at 1.5m max centres (concealed fixings); Finish/Colour: Polyester Powder Coating to BS EN 12206-1;2004. RAL 7012 or Architect's choice; aluminium pipe clips fixed with approved non corrosive screws at 1500mm maximum vertical centres; install in accordance with manufacturer's instructions; all in accordance with Architect's drawings and specifications</u>					
	Pipes;					
A	110mm diameter; 240mm wide x 180mm long	20	m			
	Pipes; surface fixed; horizontal					
B	diameter 150mm;	24	m			
	<u>Extra over</u> pipes on which they occur for fittings					
C	90 degree bends	2	nr			

	Description	Qty	Unit	Rate	€	c
	<u>WORKS TO EXISTING BUILDING</u>					
	<u>DRAINAGE</u>					
	DISPOSAL ABOVE GROUND					
	<u>Extruded Heavy Duty grade aluminium to BS 8530 for flush mounting to building; circular section aluminium downpipe system; pipe wall thickness 2mm; Fixing: plugged & screwed through lugged collars and pipe brackets at 1.5m max centres (concealed fixings); Finish/Colour: Polyester Powder Coating to BS EN 12206-1;2004. RAL 7012 or Architect's choice; aluminium pipe clips fixed with approved non corrosive screws at 1500mm maximum vertical centres; install in accordance with manufacturer's instructions; all in accordance with Architect's drawings and specifications</u>					
	Pipes; recessed into blockwork/cladding; vertical					
A	110mm diameter; 240mm wide x 180mm long	4	m			
	<u>Extra over pipes on which they occur for fittings</u>					
B	90 degree bends	2	nr			
	<u>Extruded Heavy Duty grade aluminium or equivalent 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;</u>					
	Pipework ancillaries					
C	hopper heads	1	nr			

Description		Qty	Unit	Rate	€	c
A	<u>Anchored galavanised chains acting as downpipes; install in accordance with manufacturer's instructions; all in accordance with Architect's drawings and specifications</u>					
	Pipes; vertical 110mm diameter	8	m			

Description	Qty	Unit	Rate	€	c
COLLECTION					
Page No. BQ/386					
Page No. BQ/387					
Page No. BQ/388					
Page No. BQ/389					
Page No. BQ/390					
EL (52) RAINWATER, SOILS AND WASTES Carried to Summary					

	Description	Qty	Unit	Rate	€	c
	<u>INFORMATION</u> 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. <u>Contractor to Sign off on Fire Safety</u>		Note			
A	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. <u>Services Coordinator</u>		Item			
B	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			

	Description	Qty	Unit	Rate	€	c
	<u>Maintenance obligation on Mechanical and Electrical Installations for duration of Defects Period</u>					
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			
	<u>Phasing of Works</u>					
C	Works to proceed on a phased basis in agreement with the main contractor		note			
D	Phase 3 - Part of Phase 3 works required to be completed during school holidays periods to allow for the existing school to operate during school times		note			
	<u>Warranties</u>					
E	The warranties and guarantee periods specified within the Mechanical and Electrical Specifications represent the minimum project requirements. In addition, all plant and equipment shall be supplied with the manufacturer's standard warranty applicable at the time of supply. This would typically include, but is not limited to, heat pumps, pumps, MVHR units, water heaters, fire alarm equipment, emergency lighting, luminaires, controls, BMS equipment, and other specialist systems. The Contractor shall provide, at handover, all manufacturers' warranties, guarantees, commissioning documentation, operating and maintenance manuals, and recommended maintenance schedules for all installed equipment in accordance with the Specification.		Note			

	Description	Qty	Unit	Rate	€	c
	MECHANICAL INSTALLATIONS					
	<u>MECHANICAL INSTALLATION</u>					
A	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			
B	Profit		item			
C	General Attendance (refer Preliminaries Bill)		note			
	<u>Special attendance as follows:-</u>					
	a. Temporary access roads and hardstandings in connection with heavy items of electrical plant and equipment					
D	heavy goods vehicular traffic		Item			
E	hardcore carriageway; compacted		Item			
F	remedial works to trafficked areas; reinstating		Item			
	b. Weatherproof covered storage and accommodation					
G	covered storage for major items of plant delivered to site		Item			
H	covered storage for welding and portable machine tools		Item			
I	gross internal floor area; 25m2		Item			
J	minimum eaves height; 3m		Item			
K	lighting levels; 500 lux		Item			
L	power supplies; 110kV		Item			
M	power supplies; three phase		Item			
N	electrical heating system; wall mounted heaters or the like		Item			
O	ventilation; natural and mechanical system		Item			

	Description	Qty	Unit	Rate	€	c
A	water; hot and cold supplies; wash basin		Item			
B	water; drinking supply; fountain		Item			
C	drainage; floor channel; gullies and the like		Item			
	c. Power supplies					
D	electrical loading 110kV		Item			
E	electrical loading three phase		Item			
F	provide power for commissioning		Item			
	d. Scaffolding					
G	ceiling level		Item			
	e. Unloading, hoisting; distributing; placing in position					
H	items as scheduled in mechanical installations drawings, schedules and specification		Item			
I	crange for main plant items as scheduled in electrical installations drawings, schedules and specification		Item			
	f. Maintenance of specific temperature and humidity levels					
J	maintaining a constant temperature in accordance with the Services Engineer's instructions		Item			
K	maintaining a constant humidity in accordance with the Services Engineer's instructions		Item			
	g. Generally					
L	clearing away and keeping clean		Item			
M	provide bins for waste materials and their removal off site		Item			
N	protecting completed work		Item			

	Description	Qty	Unit	Rate	€	c
	<u>Sundries and Builder's work</u>					
A	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			
	<u>General</u>					
	<u>General</u>					
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	mechanical installations		Item			
	Testing and commissioning					
D	mechanical installations		Item			
	Providing operating and maintenance manuals					
E	mechanical installations		Item			
	Preparing drawings of "as completed" installations					
F	mechanical installations		Item			
	Identification plates, labels and the like					
G	mechanical installations		Item			
	Keys, tools and spares					
H	mechanical installations		Item			
	<u>Builder's work</u>					
I	Refer to Service Engineer's drawings and schedule for further information		Note			

	Description	Qty	Unit	Rate	€	c
	<u>Concrete plinths; deep and size as below; including concrete, formwork, A393 mesh reinforcement and finishing as required</u>					
	Bases					
A	1300 x 1300 x 150mm deep; Tank Room for cold water tank	1	nr			
B	2360 x 1080 x 150mm deep; external for heat pumps	1	nr			
C	1500 x 600 x 150mm deep; for header & pumps	2	nr			
D	300 x 250 x 150mm deep; for booster pumps	2	nr			
E	1400 x 1400 x 150mm deep; for buffer vessels	2	nr			
F	1660 x 1660 x 150mm deep; for calorifier	1	nr			
	<u>Proprietary support frame to pressurisation unit; all in accordance with Manufacturers instructions</u>					
G	supports for Pressurisation unit	1	nr			
	<u>Wall mount unistruct channels; all in accordance with Manufacturers instructions</u>					
H	supports for BMS Panels	2	nr			
	<u>Forming recess/ channel in reinforced concrete floor for services; include for creation of trench for services below finished floor level in plant room; allow for reinstating and leaving ready for flooring</u>					
	Holes, mortices, chases and the like					
I	100 x 100mm	10	m			

	Description	Qty	Unit	Rate	€	c
	<u>Holes for services through ground floor slab, 150mm reinforced concrete floor slab, 150mm insulation, radon barrier and stone filling; seal openings as required in accordance with manufacturers standard details and recommendations; including Fire Stopping & Making Good around opes as specified; making good to all works disturbed on completion</u> Holes, mortices, chases and the like					
A	50mm diameter	5	nr			
B	125mm diameter	14	nr			
	<u>Holes for services through ceilings and finish; suspended ceiling system with plasterboard/ tile and gird; seal openings as required in accordance with manufacturers standard details and recommendations; including Fire Stopping & Making Good around opes as specified; making good to all works disturbed on completion</u> Holes, mortices, chases and the like					
C	125mm diameter	4	nr			
D	35 x 90mm (3 pipe)	5	nr			
E	35 x 115mm (4 pipe)	4	nr			
F	55 x 160mm (4 pipe)	1	nr			
G	30 x 60mm	3	nr			
	<u>Holes for services through roof structure and finish; Kingspan Quadcore or equivalent composite metal deck insulated roofing system; seal openings with roof finish and weather proof as required in accordance with roofing manufacturers standard details and recommendations; including Fire Stopping & Making Good around opes as specified; making good to all works disturbed on completion</u> Holes, mortices, chases and the like					
H	125mm diameter	4	nr			

	Description	Qty	Unit	Rate	€	c
	<u>Holes for services through external cavity walls; 215mm thick concrete block inner leaf with plastered finish; 150mm cavity insulated; 100mm plastered blockwork external leaf; including Fire Stopping & Making Good around opes as specified; making good to all works disturbed on completion</u>					
	Holes, mortices, chases and the like					
	Ventilation services					
A	110mm diameter	5	nr			
B	130mm diameter	3	nr			
C	260mm diameter	2	nr			
D	325mm diameter	2	nr			
	<u>Holes for services through internal walls; 215mm thick plastered concrete block walls; including Fire Stopping & Making Good around opes to FD 60 as specified; making good to all works disturbed on completion</u>					
	Holes, mortices, chases and the like					
E	25 x 25mm (1 pipe)	2	nr			
F	25 x 45mm (2 pipe)	2	nr			
G	35 x 90mm (3 pipe)	11	nr			
H	35 x 115mm (4 pipe)	1	nr			
I	40 x 125mm (4 pipe)	5	nr			
J	55 x 165mm (4 pipe)	1	nr			
K	40 x 70mm (2 pipe)	10	nr			
L	30 x 50mm (4 pipe)	2	nr			
M	30 x 60mm (4 pipe)	3	nr			
N	1000 x 300mm	2	nr			
	Ventilation services					
O	110mm diameter	2	nr			

	Description	Qty	Unit	Rate	€	c
A	130mm diameter	4	nr			
B	160mm diameter	3	nr			
C	260mm diameter	8	nr			
D	325mm diameter	6	nr			
	<u>Proprietary access hatches to match ceiling finish; access hatches hinged and lockable; include for all necessary forming openings in ceilings, framing and making good; all installations in accordance with manufacturers instructions</u>					
	Access Hatches					
E	600 x 600mm	22	nr			
	PAINTING AND DECORATING					
	<u>PAINTING</u>					
	<u>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</u>					
	Radiators					
F	exposed radiator pipework		item			
G	> 300mm wide; Radiators	51	m2			

Description	Qty	Unit	Rate	€	c
COLLECTION 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 Page No. BQ/400 EL (59) MECHANICAL INSTALLATIONS Carried to Summary					

	Description	Qty	Unit	Rate	€	c
	<u>INFORMATION</u> 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. <u>Contractor to Sign off on Fire Safety</u>		Note			
A	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. <u>Services Coordinator</u>		Item			
B	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			

	Description	Qty	Unit	Rate	€	c
	<u>Maintenance obligation on Mechanical and Electrical Installations for duration of Defects Period</u>					
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			
	<u>Phasing of Works</u>					
C	Works to proceed on a phased basis in agreement with the main contractor		note			
D	Phase 3 - Part of Phase 3 works required to be completed during school holidays periods to allow for the existing school to operate during school times		note			
	<u>Warranties</u>					
E	The warranties and guarantee periods specified within the Mechanical and Electrical Specifications represent the minimum project requirements. In addition, all plant and equipment shall be supplied with the manufacturer's standard warranty applicable at the time of supply. This would typically include, but is not limited to, heat pumps, pumps, MVHR units, water heaters, fire alarm equipment, emergency lighting, luminaires, controls, BMS equipment, and other specialist systems. The Contractor shall provide, at handover, all manufacturers' warranties, guarantees, commissioning documentation, operating and maintenance manuals, and recommended maintenance schedules for all installed equipment in accordance with the Specification.		Note			

	Description	Qty	Unit	Rate	€	c
	ELECTRICAL INSTALLATIONS					
	<u>ELECTRICAL INSTALLATION</u>					
A	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			
B	Profit		item			
C	General Attendance (refer Preliminaries Bill)		note			
	<u>Special attendance as follows:-</u>					
	a. Temporary access roads and hardstandings in connection with heavy items of electrical plant and equipment					
D	heavy goods vehicular traffic		Item			
E	hardcore carriageway; compacted		Item			
F	remedial works to trafficked areas; reinstating		Item			
	b. Weatherproof covered storage and accommodation					
G	covered storage for major items of plant delivered to site		Item			
H	covered storage for welding and portable machine tools		Item			
I	gross internal floor area; 25m2		Item			
J	minimum eaves height; 3m		Item			
K	lighting levels; 500 lux		Item			
L	power supplies; 110kV		Item			
M	power supplies; three phase		Item			
N	electrical heating system; wall mounted heaters or the like		Item			
O	ventilation; natural and mechanical system		Item			

	Description	Qty	Unit	Rate	€	c
A	water; hot and cold supplies; wash basin		Item			
B	water; drinking supply; fountain		Item			
C	drainage; floor channel; gullies and the like		Item			
	c. Power supplies					
D	electrical loading 110kV		Item			
E	electrical loading three phase		Item			
F	provide power for commissioning		Item			
	d. Scaffolding					
G	ceiling level		Item			
	e. Unloading, hoisting; distributing; placing in position					
H	items as scheduled in electrical installations drawings, schedules and specification		Item			
I	crange for main plant items as scheduled in electrical installations drawings, schedules and specification		Item			
	f. Maintenance of specific temperature and humidity levels					
J	maintaining a constant temperature in accordance with the Services Engineer's instructions		Item			
K	maintaining a constant humidity in accordance with the Services Engineer's instructions		Item			
	g. Generally					
L	clearing away and keeping clean		Item			
M	provide bins for waste materials and their removal off site		Item			
N	protecting completed work		Item			

	Description	Qty	Unit	Rate	€	c
	<u>Sundries and Builder's work</u>					
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			
	<u>General</u>					
	<u>General</u>					
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	electrical installations		item			
	Testing and commissioning					
D	electrical installations		item			
	Providing operating and maintenance manuals					
E	electrical installations		item			
	Preparing drawings of "as completed" installations					
F	electrical installations		item			
	Identification plates, labels and the like					
G	electrical installations		item			
	Keys, tools and spares					
H	electrical installations		item			
	<u>Builder's work</u>					
I	Refer to Service Engineer's drawings and schedule for further information		Note			

	Description	Qty	Unit	Rate	€	c
	<u>Hardwood grounds; allow for hardwood grounds in partitions for electrical outlets. Allow for supports in ceiling voids to all ceiling recessed light fittings, 4 No. additional stay wires per light fitting; refer to Services Engineer's drawings and specifications for further details</u> Grounds A generally		item			
	<u>Holes for services through internal walls; 215mm thick farifaced concrete block walls; including Fire Stopping & Making Good to 60 minute rating around opes as specified; making good to all works disturbed on completion</u> Holes, mortices, chases and the like					
B	200 x 100mm	30	nr			
C	500 x 150mm	13	nr			
D	250 x 100mm	5	nr			
	<u>Provide generally builders attendance's and builders work, grounds, cutting away, chasing (all services to be chased no exposed pipework) allow for 4.5m vertical chase per service point, forming holes & fire proofing and making good for the following; refer to Services Engineers drawings and specification for further details on locations routes and the like</u> Holes, mortices, chases and the like Power Distribution					
E	double sockets	75	nr			
F	double sockets IP65	3	nr			
G	single socket	18	nr			
H	spurs	49	nr			
I	main/ sub distribution board/ MCC	5	nr			
J	R.T.S.	22	nr			

	Description	Qty	Unit	Rate	€	c
A	remote heating panel	2	nr			
B	extract fan	7	nr			
C	passive absence detector (for extract fan)	7	nr			
D	CO2	2	nr			
E	N.V.R.	1	nr			
F	MO.	1	nr			
G	UPS	1	nr			
H	water meter	1	nr			
I	wifi points	10	nr			
J	ASP	1	nr			
K	BBS	1	nr			
L	PAF Out	2	nr			
M	PAF In	2	nr			
N	L&R Audio-Output	2	nr			
O	PDU	1	nr			
	Lighting					
P	recess lights	31	nr			
Q	surface lights	75	nr			
R	P-SEN B	2	nr			
S	C-SEN	3	nr			
T	PIR	2	nr			
U	U.T.C.	19	nr			
V	external lighting & mounts	8	nr			
W	switches	45	nr			
X	exit signs	16	nr			
Y	emergency lights	32	nr			

	Description	Qty	Unit	Rate	€	c
	Communications					
A	telephone points	8	nr			
B	double data points	23	nr			
C	single data points (access door)	7	nr			
D	T.J.B.	1	nr			
E	corridor speakers	5	nr			
F	amplification panel control	1	nr			
G	room speaker	9	nr			
H	deaf loop control panel	2	nr			
I	mini counter induction loop	1	nr			
J	one way external PA Speaker	3	nr			
K	door bell sounder	1	nr			
L	door bell unit	1	nr			
M	PaA Z	1	nr			
N	switches banks	1	nr			
O	M.D.F/ I.D.F.	1	nr			
P	B.M.S. Panel	1	nr			
Q	Comms Rack	1	nr			
R	PABX	1	nr			
	Access Control/ Intruder Alarm					
S	keypad	5	nr			
T	magnetic door lock	11	nr			
U	Intruder alarm panel	1	nr			
V	break glass unit	2	nr			
W	release button	2	nr			
X	passive infrared intruder detector	16	nr			
Y	Intruder alarm sounder	6	nr			

	Description	Qty	Unit	Rate	€	c
A	CCTV	5	nr			
B	intercom release button	1	nr			
C	two way intercom system	1	nr			
D	electromagnetic door release	1	nr			
E	access control system (fob or card)	8	nr			
F	wireless intruder alarm panic button receiver	6	nr			
G	personal attack button	1	nr			
H	mobile personal attack button	2	nr			
	Fire Detection					
I	smoke heads/ detectors	11	nr			
J	smoke heads/ detector/ Sounder	15	nr			
K	smoke heads/ detector/ Sounder to Voids	10	nr			
L	heat detector/ Sounder	5	nr			
M	fire alarm sounders	7	nr			
N	fire alarm panel/ repeator panel	1	nr			
O	external fire alarm sounder/ strobe unit	1	nr			
P	magnetic door holder	7	nr			
Q	manual call point	8	nr			
R	fire mains switch	1	nr			
S	fire alarm interface unit	25	nr			
T	emergency panel receiver	1	nr			
U	disabled person alarm overdoor light	5	nr			
V	disabled person alarm panel	2	nr			
W	disabled person alarm pull cord	5	nr			
X	disabled person reset button	5	nr			

Description		Qty	Unit	Rate	€	c
PV Panels						
A	PV panels	5	nr			
B	50 KW 3PH Inverter	1	nr			
C	TIGO TS-4-0	5	nr			
D	100 x 50 LV heavy duty cable tray	40	m			
Trays & Trunking						
E	cable tray; 225 x 75mm; 3 compartment cable trunking	80	m			
F	cable tray; 300 x 55mm; LV Cable Tray	70	m			
G	75 x 25mm; fire alarm cable	70	m			
H	fibre optic cable	70	m			
I	chasing for sockets to SNU area	120	m			

Description	Qty	Unit	Rate	€	c
COLLECTION					
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					
EL (69) ELECTRICAL INSTALLATIONS Carried to Summary					

	Description	Qty	Unit	Rate	€	c
	<u>INFORMATION</u>					
	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			
	<u>FITTINGS</u>					
	SANITARY FITTINGS					
	<u>Preambles</u>					
A	The supply and installation of sanitary fittings and associated accessories shall be in accordance with Architect's Drawings and Sanitary Ware Schedule		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			

	Description	Qty	Unit	Rate	€	c
	Armitage Shank or equilavent DOC M S0683 (AC) Contour 21+ Close Coupled pack to include the following: Armitage Shanks S3054 (01) Contour 21 or equivalent close coupled raised height WC pan, 75cm projection with floor fixing kit; S3654 (01) Contour 21 or equivalent close coupled delay fill, syphon cistern 4.5 litre single flush for 75cm projection pan bottom supply and internal overflow, with spatula lever (reversible) and secure cover fastener ; S4066 (01) Contour 21 or equivalent seat no cover, top fixing hinges and retaining buffers Charcoal ;S2473 (01) Contour 21 37cm right hand rinse washbasin, left hand taphole, no overflow or chain stay hole, bottom outlet; A6697 Chrome Contour 21+ brassware, 1 hole thermostatic basin mixer, single sequentila level with copper tails; S8910 (67) Trap 1 1/4" plastic bottle, 75mm seal and multi-purpose outlet; S8810 (01) Waste 1 1/4" plastic strainer, dished pattern 80mm unslotted tail; S911 (67) washbasin wall fixings hangers concealed, steel; S6454(AC) 4 no. Contour 21 or equivalent grab rail; straight 600mm long x 35mm diameter Charcoal ; S6452(AC) 1 no. Contour 21 or equivalent grab rail; straight 450mm long x 35mm diameter Charcoal ; S6360(AC) 1 no. Contour 21 or equivalent hinged support rail 80 x 35mm diameter, Doc M Compliant Charcoal; S6363(AC) Toilet roll holder or equivalent for Contour; 21 hinged arm rail Charcoal; all in accordance with Architects drawings and specifications. Fittings; sanitary					
A	SEN Ambulant WC	2	nr			
B	ACC Staff WC	2	nr			

Description	Qty	Unit	Rate	€	c
Armitage Shank or equilavent DOC M S0682 (AC) Contour 21+ Close Coupled pack to include the following: Armitage Shanks S3054 (01) Contour 21 or equivalent close coupled raised height WC pan, 75cm projection with floor fixing kit; S3654 (01) Contour 21 or equivalent close coupled delay fill, syphon cistern 4.5 litre single flush for 75cm projection pan bottom supply and internal overflow, with spatula lever (reversible) and secure cover fastener; S4066 (01) Contour 21 or equivalent seat no cover, top fixing hinges and retaining buffers Charcoal ;S2256 (01) Portman 21 washbasin 60cm 1 taphole, no overflow or chain stay hole, bottom outlet; A6697 Chrome Contour 21+ brassware, 1 hole thermostatic basin mixer, single sequentila level with copper tails; S8910 (67) Trap 1 1/4" plastic bottle, 75mm seal and multi-purpose outlet; S8733 (AA) Waste 1 1/4" brass anti-theft, swivel plug waste 80mm slotted tail; S9137 (67) washbasin wall fixings, brackets concealed with clamps and centre waste support for Portman 21 washbasins 60 and 50cm; S6454(AC) 4 no. Contour 21 or equivalent grab rail; straight 600mm long x 35mm diameter Charcoal ; S6452(AC) 1 no. Contour 21 or equivalent grab rail; straight 450mm long x 35mm diameter Charcoal ; S6360(AC) 1 no. Contour 21 or equivalent hinged support rail 80 x 35mm diameter, Doc M Compliant Charcoal; S6363(AC) Toilet roll holder or equivalent for Contour; 21 hinged arm rail Charcoal; all in accordance with Architects drawings and specifications. Fittings; sanitary	1	nr			
A SEN Assisted Shower room					

	Description	Qty	Unit	Rate	€	c
	<u>Mirrors comprising class C safety glass to BS6206; 6mm thick float glass; lead foil or aluminium silvered backing; 6mm polished edges; drilled, plugged and screwed to plastered masonry background using dome capped chrome plated wood screws with polyethylene sleeves and washers; all installations in accordance with manufacturer's instructions and in accordance with Architect's drawings and specifications</u> Mirrors					
A	size W1200x600mm	10	nr			
B	size W700x400mm	11	nr			
	<u>Armitage Shank or equivalent Doc M Shower Room S6960 pack to include the following: S1207 (KK) folding fixed height shower seat with 650mm projection; S128 (XK) multi system back support, fixed height; E4745 (AA) idealrain ultraflex 1.35 shower hose; L6919 (AA) lever operated shower diverter; S6760 (01) multi-system shower curtain 1500x2000mm; S6751 (AC) Contour 21 angled shower curtain rail; S5093 (AC) clothes hook screw to wall; S6454(AC) 4 no. Contour 21 or equivalent grab rail; straight 600mm long x 35mm diameter Charcoal ; S6452(AC) 1 no. Contour 21 or equivalent grab rail; straight 450mm long x 35mm diameter Charcoal ; S6360(AC) 1 no. Contour 21 or equivalent hinged support rail 80 x 35mm diameter, Doc M Compliant Charcoal; S6477 (AC) Contour 21 shower handset holders; A4129 (AA) Contour 21 thermostatic built-in shower mixer (lever operated); S9313 (AA) short projection shower head for concealed or exposed; B9304 (AA) Armaglide 2 hand spray; B1364 (AA) category 5 hose retainer ; EE4707 (AA) wall elbow ; all in accordance with Architects drawings and specifications.</u> Fittings; sanitary					
C	SEN assisted shower	1	nr			

	Description	Qty	Unit	Rate	€	c
A	<u>Qualceram Stainless steel drainer sink or equilavent ; single bowl drainer sink 1000 x 600 sit on sink; taps; Franke 'Davos' polished chrome taps or equal with franke basket strainer waste and plumbing kit; all in accordance with Architects drawings and specifications.</u> Fittings; sanitary 1000x600 drainer sink	2	nr			
B	<u>Qualceram Stainless steel drainer sink or equilavent ; single bowl drainer sink 1200 x 600 sit on sink; taps; Franke 'Davos' polished chrome taps or equal with franke basket strainer waste and plumbing kit; all in accordance with Architects drawings and specifications.</u> Fittings; sanitary 1200x600 drainer sink	1	nr			
C	<u>Janitorial Unit; Stainless stell 50cm wide x 57cm projection x 90cm high complete with mixer tap with restricted swivel, tamper proof concealing panle for washbasin trap, hinged bucket grating to sik, stainless steel legs with adjustable feet and earthing tag; S890]20 (67) TRR1/P trap 1 1/4" plastic resealing bottle 75mm seal; S8925 (67) TRR2/P trap 1 1/2" plaster resealing bottle with 75mm seal; all in accordance with Architects drawings and specifications.</u> Fittings; sanitary Janitorial Units	1	nr			
D	<u>Corsice or equilavent height adjustable Qualceram stainless steel sink; size 1000x600mm; taps Franke Davos polished chrome or equal, franke basket striners waste and plumbing kit; all in accordance with Architects drawings and specifications.</u> Fittings; sanitary height adjustable sink	1	nr			

Description		Qty	Unit	Rate	€	c
A	ACO EG150FVL/VNL/110 or equivalent floor gulley for vinyl sheet flooring; outside 225mm; flow rate: 1.2l/s; weight: 1.2kg; Load Class: A.; all in accordance with the Architect's drawings, specifications and Sanitaryware Schedule.					
	Fittings; sanitary Floor Gulley - Vinyl Floor	5	nr			

	Description	Qty	Unit	Rate	€	c
	<u>Information</u> 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 FITTINGS <u>FITTINGS, EQUIPMENT AND FURNITURE</u>					
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 guidelines and recommendations		note			
B	The Contractor shall liaise with the mechanical and electrical subcontractor 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			
	Rates to include for the supply, delivery and installation of all units		Note			

	Description	Qty	Unit	Rate	€	c
	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 Drgs		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 laminate 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	Refer to Architect's specification and drawings for further details & layouts and specification for all fitted furniture		Note			
E	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			
F	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			

	Description	Qty	Unit	Rate	€	c
A	Sanitary ware fittings are deemed to include for all associated attendances required by mechanical and electrical subcontractor and other interfacing trades as necessary. Fittings; signage		note			
B	Please note that all wording to Signage is to be in both Irish Language and English and Braille where required.		note			
C	Signage to be designed fit for purpose with 10 year warranty		note			
D	Signage to be heavy duty with suitable coating to prevent colour deterioration		note			
E	Signs to be finished in satin paint finish to prevent glare.		note			
F	Fixings to Engineer and signage company details, fixings to be robust and vandal proof.		note			
G	Fixings to have no sharp edges or protrusions that would cause confusion or injury to users, signage company to include for all fixings		note			
H	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			
I	All signage to comply with Official Languages Act 2003		note			

	Description	Qty	Unit	Rate	€	c
A	<u>Signs; Internal wall mounted signs;</u> <u>Interchangeable Classroom Door Sign;</u> <u>Aluminium base plate with plastic insert;</u> <u>all installations in accordance with the</u> <u>manufacturers instructions; all in</u> <u>accordance with the Architects Signage</u> <u>drawing and specification; refer to</u> <u>Architect's Signage Schedule TR4105 for</u> <u>further details and specification for</u> <u>further details</u> size 254 x 55mm signage to classroom doors	9	nr			
B	<u>Signs; Internal wall mounted signs;</u> <u>directional wall sign on aluminium plate;</u> <u>fixings and installation in accordance</u> <u>with the manufacturers instructions; all</u> <u>in accordance with the Architects Signage</u> <u>drawing and specification; refer to</u> <u>Architect's Signage Schedule TR4105 for</u> <u>further details and specification for</u> <u>further details</u> 240 x 180mm directional wall sign	3	nr			
C	<u>Internal signage; school crest 600mm high</u> <u>raied out, popped off acrylic; crest to be</u> <u>10mm foamex colour to be agreed; fixings</u> <u>and installation in accordance with the</u> <u>manufacturers instructions; all in</u> <u>accordance with the Architects Signage</u> <u>drawing and specification; refer to</u> <u>Architect's Signage Schedule TR4105 for</u> <u>further details and specification for</u> <u>further details</u> school crest	1	nr			

	Description	Qty	Unit	Rate	€	c
	<u>Sign: Building Mounted Internal Lettering.</u> <u>Location: Building mounted signage -</u> <u>Built-up PPC aluminium signage and</u> <u>lettering with 40mm returns. Stand-off</u> <u>locators fixed to rear, mechanically fixed</u> <u>to substrate. System performance:</u> <u>Environment; School wall, Duration; 20</u> <u>Years, Condition of use; subject to</u> <u>extreme weather conditions. Alphanumeric</u> <u>characters; Material: Atlas steel alloy</u> <u>5052 Aluminium alloy signage or</u> <u>equivalent. Font Type: Large Lettering 400</u> <u>mm (min) tall, Font (TBC) with selected</u> <u>powder coated aluminium bracket system.</u> <u>Colour (TBC); Size 400mm. Fixings; As</u> <u>recommended by manufacturer, individually</u> <u>pin mounted "Popped Off" built up powder</u> <u>coated aluminium, min. depth to be 40mm -</u> <u>Colour RAL (TBC) - LRV (TBC). Signage to</u> <u>be pin mounted with brass locator fixings</u> <u>to make lettering removable for</u> <u>maintenance, sign to read "Scoil</u> <u>Oilibheir". All in accordance with</u> <u>Architects drawings and specifications.</u>					
A	Signage Internal lettering	1	nr			
B	<u>External signage; school crest 600mm high</u> <u>raised out, popped off acrylic; crest to be</u> <u>10mm foamex colour to be agreed; fixings</u> <u>and installation in accordance with the</u> <u>manufacturers instructions; all in</u> <u>accordance with the Architects Signage</u> <u>drawing and specification; refer to</u> <u>Architect's Signage Schedule TR4105 for</u> <u>further details and specification for</u> <u>further details</u>	1	nr			
	school crest					

Description	Qty	Unit	Rate	€	c
<u>Sign: Building Mounted External Lettering.</u> <u>Location: Building mounted signage -</u> <u>Built-up PPC aluminium signage and</u> <u>lettering with 40mm returns. Stand-off</u> <u>locators fixed to rear, mechanically fixed</u> <u>to substrate. System performance:</u> <u>Environment; School wall, Duration; 20</u> <u>Years, Condition of use; subject to</u> <u>extreme weather conditions. Alphanumeric</u> <u>characters; Material: Atlas steel alloy</u> <u>5052 Aluminium alloy signage or</u> <u>equivalent. Font Type: Large Lettering 400</u> <u>mm (min) tall, Font (TBC) with selected</u> <u>powder coated aluminium bracket system.</u> <u>Colour (TBC); Size 400mm. Fixings; As</u> <u>recommended by manufacturer, individually</u> <u>pin mounted "Popped Off" built up powder</u> <u>coated aluminium, min. depth to be 40mm -</u> <u>Colour RAL (TBC) - LRV (TBC). Signage to</u> <u>be pin mounted with brass locator fixings</u> <u>to make lettering removable for</u> <u>maintenance, sign to read "Scoil</u> <u>Oilibheir". All in accordance with</u> <u>Architects drawings and specifications.</u> Signage External lettering <u>Fittings; Furniture</u> SEN Classbase 1&2; Dwg TR-13 Furniture, furnishings; shelving	1	nr			

	Description	Qty	Unit	Rate	€	c
	<u>Kitchenette unit, ; 40mm formica faced worktop (measured elsewhere), 18mm Medite Ecologique MDF door with 18mm x 18mm oak trim to edge and carcass with 12mm melemine finish plywood shelf as detailed and 40 x 15mm varnished oak edge trim to all exposed edges, including all associated ironmongery, brushed SS "D" shape handles(170x35mm) , cylinder type locks; 1 Nr. 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 25mm 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. TR-13 and specification for further details.</u>					
A	2790mm x 600mm x 760mm high	2	nr			
	<u>Worktop with single sink ; 40mm formica faced worktop inslected colour by Architect and 40x15mm vanrnished oak edge trim to exposed edges; countertop fixed in place with approved fixings; inset Qulaceran stainless steel sink 1200mm x 600mm 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. TR-13 and specification for further details.</u>					
B	2790mm x 600mm	2	nr			

	Description	Qty	Unit	Rate	€	c
A	<u>Storage Units (Base & High Level Storage Unit) ; Carcass, doors, shelves (adjustable shelving system); built in 4 nr solid core doors (1090mm high x 900mm wide) with 2 number 25mm thick grade B birch plywood shelves size 600mm x 3000mm long and 1 number 25mm thick grade B birch plywood shelves size 300mm x 3000mm long; rushed SS "D" shape handles(170x35mm) with Spurs adjustable shelving or similiar ; including all fixings & ironmongery deemed necessary to complete installations; all installations & fixings in accordance with the manufacturer's instructions; refer to Architect's drawing Nr. TR-13 and specification for further details.</u> 3000mm x 1630mm <u>Storage Units ; Open shelving carcass, including all fixings & ironmongery deemed necessary to complete installations; all installations & fixings in accordance with the manufacturer's instructions; refer to Architect's drawing Nr. TR-13 and specification for further details.</u>	2	nr			
B	3000mm x 520mm Furniture, furnishings; internal furnishings	2	nr			
C	All components and decorative high pressure laminate finish to Architect's choice of colour, as indicated on Architects Drawings		note			
D	Coat Unit ; 1525mm long x 150mm high coat unit with 18mm thick chipboard with PVC edgings, formica high pressure laminate bonded on both sides 6 Nr coat hooks fixed to unit; all fixing in accordance with the manufacturer's instructions, refer to Architect's drawing TR 52 & 54 for further details and specification Staff Room; Dwg TR-14 Furniture, furnishings; shelving	2	nr			

	Description	Qty	Unit	Rate	€	c
A	<u>Kitchenette unit (Low Level Shelving); 40mm formica faced worktop (measured elsewhere), 18mm Medite Ecologique MDF door with 18mm x 18mm oak trim to edge and carcass with 12mm melemine finish plywood shelf as detailed and 40 x 15mm varnished oak edge trim to all exposed edges, including all associated ironmongery, brushed SS "D" shape handles(170x35mm) , cylinder type locks; 1 Nr. 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 25mm 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. TR-14 and specification for further details.</u> 2400mm x 600mm x 850mm high	1	nr			
	<u>Kitchenette unit (High Level Shelving), 18mm Medite Ecologique MDF door with 18mm x 18mm oak trim to edge and carcass with 12mm melemine finish plywood shelf as detailed and 40 x 15mm varnished oak edge trim to all exposed edges, including all associated ironmongery, brushed SS "D" shape handles(170x35mm) , cylinder type locks; 1 Nr. 18mm thick MDF back panel with decorative high-pressure laminate; decorative high pressure laminate with adjustable carcass support feet; 2 Nr. 50mm x 25mm 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. TR-14 and specification for further details.</u> 1400mm x 600mm x 750mm high					

	Description	Qty	Unit	Rate	€	c
A	Worktop with single sink; 40mm formica faced worktop inslected colour by Architect and 40x15mm vanrnished oak edge trim to exposed edges; countertop fixed in place with approved fixings; inset Qualceram stainless steel sink 1200mm x 600mm 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. TR-14 and specification for further details. 2400mm x 600mm SEN Daily Living Skills Furniture, furnishings; shelving <u>Kitchenette unit (Low Level Shelving); 40mm formica faced worktop (measured elsewhere), 18mm Medite Ecologique MDF door with 18mm x 18mm oak trim to edge and carcass with 12mm melemine finish plywood shelf as detailed and 40 x 15mm varnished oak edge trim to all exposed edges, including all associated ironmongery, brushed SS "D" shape handles (170x35mm) , cylinder type locks; 1 Nr. 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 25mm 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. TR-14 and specification for further details.</u> 2400mm x 600mm x 850mm high	1	nr			
B		1	nr			

	Description	Qty	Unit	Rate	€	c
A	<u>Kitchenette unit (High Level Shelving), 18mm Medite Ecologique MDF door with 18mm x 18mm oak trim to edge and carcass with 12mm melemine finish plywood shelf as detailed and 40 x 15mm varnished oak edge trim to all exposed edges, including all associated ironmongery, brushed SS "D" shape handles (170x35mm) , cylinder type locks; 1 Nr. 18mm thick MDF back panel with decorative high-pressure laminate; decorative high pressure laminate with adjustable carcass support feet; 2 Nr. 50mm x 25mm continuous 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. TR-14 and specification for further details.</u>	1	nr			
	2400mm x 600mm x 750mm high					
B	<u>Worktop with adjustable single sink; 40mm formica faced worktop inslected colour by Architect and 40x15mm varnished oak edge trim to exposed edges; countertop fixed in place with approved fixings; inset corsica adjustable steel sink 1000mm x 600mm 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. TR-14 and specification for further details.</u>	1	nr			
	2400mm x 600mm					
	Cleaners Sluice Room					
	Furniture, furnishings; shelving					

	Description	Qty	Unit	Rate	€	c
	<u>Kitchenette unit (High Level Shelving),</u> <u>18mm Medite Ecologique MDF door with 18mm</u> <u>x 18mm oak trim to edge and carcass with</u> <u>12mm melemine finish plywood shelf as</u> <u>detailed and 40 x 15mm varnished oak edge</u> <u>trim to all exposed edges, including all</u> <u>associated ironmongery, brushed SS "D"</u> <u>shape handles(170x35mm) , cylinder type</u> <u>locks; 1 Nr. 18mm thick MDF back panel</u> <u>with decorative high-pressure laminate;</u> <u>decorative high pressure laminate with</u> <u>adjustable carcass support feet; 2 Nr.</u> <u>50mm x 25mm continous SW bearers fixed to</u> <u>back of unit; bearers fixed to wall with</u> <u>approved fixings; all fixing in accordance</u> <u>with the manufacturer's instructions,</u> <u>refer to Architect's drawing Nr. TR-14 and</u> <u>TR-55 and specification for further</u> <u>details.</u>					
A	2400mm x 600mm x 750mm high	1	nr			
	Store Room					
	Furniture, furnishings; shelving					
B	All components and decorative high pressure laminate finish to Architect's choice of colour, as per Architects Drg Nr's ST2-14		note			
	<u>Adjustable metal shelving - 5 tier, 7340mm</u> <u>long wall mounted adjustable shelves;</u> <u>Birch grade B plywood shelves to be</u> <u>provided (refer to Architects</u> <u>Specification N10/1(c) for sizes) plywood</u> <u>to be softwood in accorance with BS5268</u> <u>with E1 fromaldehyde emission</u> <u>classification; all fixing in accordance</u> <u>with the manufacturer's instructions,</u> <u>refer to Architect's drawing Nr. TR-14 and</u> <u>specification for further details.</u>					
C	7340mm x 2525mm	1	nr			

	Description	Qty	Unit	Rate	€	c
A	Adjustable metal shelving - 5 tier, 2500mm long wall mounted adjustable shelves; Birch grade B plywood shelves to be provided (refer to Architects Specification N10/1(c) for sizes) plywood to be softwood in accordance with BS5268 with E1 fromaldehyde emission classification; all fixing in accordance with the manufacturer's instructions, refer to Architect's drawing Nr. TR-14 and specification for further details 2500 x 2525mm	1	nr			
B	Adjustable metal shelving - 5 tier, 1500mm long wall mounted adjustable shelves; Birch grade B plywood shelves to be provided (refer to Architects Specification N10/1(c) for sizes) plywood to be softwood in accordance with BS5268 with E1 fromaldehyde emission classification; all fixing in accordance with the manufacturer's instructions, refer to Architect's drawing Nr. TR-14 and specification for further details 1000 x 2525mm <u>FITTINGS</u> FITTINGS, EQUIPMENT AND FURNITURE	1	nr			
C	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			
D	Manufacturer and installation of blinds shall comply with the requirements of the Irish Standard BS EN 13120 Internal Blinds - performance including safety requirements		Item			
E	Material used in manufacturer should meet the designation "flameproof" when assessed in accordance with BS3120:1959		Item			
F	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
	<u>Horizontal Sunscreen Roller shades:</u> <u>Mechoshade Maunally operated units or</u> <u>equivalent with Thermoveil shade cloth</u> <u>1300 series dense basket weave sunscreen</u> <u>material or equivalent, 5% openness factor</u> <u>(50% visible light transmission) and</u> <u>manual operated shade system Mecho/5 wide</u> <u>bracket chain driven roller system, Colour</u> <u>of the shade cloth to be light in colour</u> <u>and selected by the Architect; rollers to</u> <u>be manually operated steel type springless</u> <u>type with side winder endless ball chain</u> <u>unit; Fire rating: Material used in the</u> <u>manufacture of blinds should meet the</u> <u>designation of 'Flameproof' when assessed</u> <u>in accordance with BS 3120: 1959. A test</u> <u>certificate as in Appendix C of "Fire</u> <u>safety of furnishings and fittings in</u> <u>places of assembly" should be supplied for</u> <u>each item; Accessories/Other requirements:</u> <u>Chain clips; include clear operational</u> <u>instructions in laminated label format for</u> <u>each room; all installations in accordance</u> <u>with Manufacturer's instructions; all in</u> <u>accordance with Architects drawing TR-15 &</u> <u>specification</u> Furniture, furnishings; window treatment; internal blinds					
A	4900mm wide x 1000mm high, High level window, (Ref: Type E - W022, W024)	2	nr			
B	2900mm wide x 645mm high, High level window, (Ref: Type F - W028, W029)	2	nr			
C	1000mm wide x 1120mm high, High level window, (Ref: Type H - W023)	1	nr			

	Description	Qty	Unit	Rate	€	c
	<u>Horizontal Roller Blinds; Hunter Douglas Luxaflex or equivalent, Manufactured & installed to Standard: BS EN 3120; Type: Gardian Blind fabric internal blinds, Rollers to be heavy duty contract grade steel tube spring-less rollers with sidewinder endless ball chain control units appropriately sized for each opening. Colours: to be selected. Fire Rating: Material used in the manufacture of blinds should meet the designation of 'flameproof' when assessed in accordance with BS3120: 1959. A test certificate as in Appendix C of "Fire safety of furnishings and fitting in places of assembly" should be supplied for each item. 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 drawing TR-15 & specification</u> Furniture, furnishings; window treatment; internal blinds					
A	715mm wide x 2200mm high, (Ref: External Door Type E - ED08)	1	nr			
B	800mm wide x 2200mm high, (Ref: External Door Type E - ED08)	3	nr			
C	800mm wide x 800mm high (Ref: Type B - W005, W006, W009, W010 & W011)	5	nr			
D	1200mm wide x 2200mm high, (Ref: Type A - W002, W003)	2	nr			
E	1200mm wide x 2700mm high, (Ref: Type C - W007, W019)	2	nr			
F	1800mm wide x 2200mm high, (Ref: Type L - W020)	1	nr			
G	2500mm wide x 2700mm high, (Ref: Type D - W008, W014)	2	nr			
H	3000mm wide x 2700mm high, (Ref: Type K - W018)	1	nr			

	Description	Qty	Unit	Rate	€	c
	<u>Guardrail; 50mm dia galvanised and painted mild steel frame bolted to external paving with approved fixings. Paint to selected colour. Galvanised mild steel perforated panel; pattern samples to be provided to architect for selection. all installations in accordance with Manufacturer's instructions; all in accordance with Architects drawings & specification</u> Rail or protective guards 600mm wide x 900mm high	8	nr			
A	FITTINGS (LOOSE FURNITURE)					
	<u>FITTINGS, EQUIPMENT AND FURNITURE</u>					
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. 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			

Description	Qty	Unit	Rate	€	c
COLLECTION Page No. BQ/420 Page No. BQ/421 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 Page No. BQ/432 Page No. BQ/433 Page No. BQ/434 Page No. BQ/435 EL (79) GENERAL FITTINGS Carried to Summary					

Description	Qty	Unit	Rate	€	c
<u>INFORMATION</u>					
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					

	Description	Qty	Unit	Rate	€	c
A	8. The contractor shall take all practicable steps to avoid nuisance in particular in respect of noise, vibration and dust. In the matter of restriction on noise and dust the Contractor shall implement the provisions of the Preliminary Safety and Health Plan. The contractor shall include for all necessary hoarding/ screening for works adjacent the existing properties / boundaries		item			
B	9. The Contractor shall refer to the Site Investigation report for details and levels of soil types and underground water levels in excavations of trial pits		Note			
C	10. The Contractor shall include within his tender the costs associated with providing a full topographic survey of the site on completion of the works which is to be issued to the client in DWG and PDF format		item			
D	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 building remaining.		Note			
E	Road opening licence and waste management plan to be prepared by main contractor for local authority approval		item			
F	All existing buildings, trees, planting, dences, gates, walls, power lines, services / utilities and other site features, (which are to remain in position during the execution of the works) from damage by site operations, and make good any damage to existing features resulting from the works.		Item			
G	The contractor shall note that there are overhead power / telecom lines on site.		note			
H	Remove shrubs, trees and planting only as indicated by the Employers Representative, grub up roots and remove from site. Protect all planting to be retained.		item			

	Description	Qty	Unit	Rate	€	c
A	The contractor shall refer to the site landscaping plan and note 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			
B	All demolition works shall be carried out in compliance with the following: BS 6187 Code of practice for demolition, BS 8000 Workmanship, BS 8004 Code of Practice for foundations, GS 29/2 Health and Safety in Demolition Work Part 2 - Legislation, GS 29/3 Health and Safety in Demolition Work Part 3 - Techniques, GS 29/4 Health and Safety in Demolition Work Part 4 - Health Hazards.		note			
C	The current safety health and welfare at work (construction) regulations avoidance of nuisance: Demolition is to be carried out in such a manner as to cause as little inconvenience as possible to the operation of the school, debris is to be kept well waterted during the works to prevent dust rising.		note			
D	All demolition works and site clearance materials to be removed from site.		note			
E	Contractor to allow for site compound, welfare and construction parking within construction site boundary as well as temporary utilities provisions. No access or construction parking is allowed outside of the construction site. No parking allowed on the main road		note			
	Starting levels					
	Starting level for measurement is existing ground level.					

	Description	Qty	Unit	Rate	€	c
A	The Contractor is required to make himself aware of the presence and location of all buildings, parking areas, walls, gates, fittings, lamp posts and signposts etc. remaining on and adjacent to 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 these fittings and signposts as necessary. Any damage caused shall be made good at the Contractors own expense <u>GENERAL</u>		Note			
B	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			
C	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			
D	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			

	Description	Qty	Unit	Rate	€	c
	<u>Temporary Works</u>					
A	The General Contractor shall be fully responsible for the costs, design and safety of all temporary works		Item			
B	All temporary works shall be in accordance with JWPM specification and are to comply with BS5975:2008 and other relevant codes of practice		Item			
C	Where drawings are prepared by JWPM as permanent works designers, temporary works are shown indicatively only on drawings and it is the responsibility of the contractor to prepare design for temporary works required.		Item			
D	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 JWPM for review at least 2 weeks prior to commencement of construction.		Item			
E	Temporary works designer designers are required to carry out al appropriate level of PI Insurance.		Item			
F	Constructions method, procedures and sequences are the contractors responsibilities		Item			
G	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			
H	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 JWPM at least 2 weeks prior to erection.		Item			

	Description	Qty	Unit	Rate	€	c
	<u>PHASING</u>					
A	The contractor shall note the phasing of the works. Please refer to Architects, Structural and Services Engineers phasing drawings for further details and requirements. The contractor shall include for all costs associated with completing the works on a phased basis		Item			
	<u>DEMOLITIONS & ALTERATIONS</u>					
	<u>DEMOLITIONS</u>					
	<u>Demolish part of the existing 215mm thick x 500mm high blockwork low boundary front wall including 1200mm high metal railing fixed to top of wall, including cappings; grub up foundations, assume 1000mm wide by 300mm deep with reinforcement, TOC 675mm below ground level; dispose off site and make good to all works disturbed; backfill excavations with Clause 804 hardcore; all in accordance with Architect's Drg Nr TR-01, TR-02 & Engineers drawings and specifications</u>					
	Demolishing Parts of individual structures					
B	site boundary wall (27m); (front boundary wall)		item			
	<u>Demolish existing 450 x 450mm, 1650mm high blockwork entrance piers including concrete cappings; Grub up foundations, assume 1200 x 1200mm wide by 300mm deep with reinforcement, TOC 450mm below gr level; dispose off site and make good to all works disturbed; backfill excavations with Clause 804 hardcore; all in accordance with Architect's Drg Nr TR-01, TR-02 & Engineers drawings and specifications</u>					
C	site entrance piers	2	nr			
	<u>Extra over for</u>					
D	removal of vehicular entrance gates (double) and disposal off site		item			

	Description	Qty	Unit	Rate	€	c
	<u>ALTERATIONS</u>					
	<u>Removing</u>					
	Remove fixtures and fittings, dispose of off site, including grubbing up and removing foundations as required					
A	removal and relocation of existing garden shed, grub up foundation/ base (100mm RC base); 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		item			
B	careful removal of existing bollards and associated sockets; store on site for re-installation upon completion of the new pedestrian path at the front boundary (re-installation measured elsewhere); as noted on Engineers Drg Nr C307-A	5	nr			
C	remove 5 Nr existing vertical decorative posts and associated bases located in the existing front green area inside the front boundary wall as noted on Engineers Drg Nr C307-A; 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		item			

	Description	Qty	Unit	Rate	€	c
A	remove 4 Nr existing half round (tractor tyres) climbing apparatus and associated bases located in the existing front green area inside the front boundary wall; 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		item			
B	carefully remove 1 Nr existing flag pole and associated base located in the existing front green area inside the front boundary wall as noted on Engineers Drg Nr C307-A; carefully store on site for re-installation on completion of the works, (re-installation measured elsewhere)		item			
	<u>Decommission and remove off site the following site services; allow for backfilling on removal with Clause 804 Hardcore; 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</u>					
	Removing; Plumbing & Engineering					
C	existing foul water sewers; excavate and remove existing pipes; allow for backfilling in lean mix-concrete to ground level; refer to Engineer's drawing JWPM 0351-C300 for further details	62	m			
D	foul water manholes; backfill in lean mix concrete	1	nr			
E	existing surface water sewers; excavate and remove existing pipes; allow for backfilling in lean mix-concrete to ground level; refer to Engineer's drawing JWPM 0351-C300 for further details	41	m			
F	surface water manholes; backfill in lean mix concrete	1	nr			

	Description	Qty	Unit	Rate	€	c
	<u>Removing; existing site finishes; dispose off site; allow for grubbing up associated foundations and hardcore filling assume 250mm depth as necessary; backfilling excavations in Clause 804; all in accordance with Architects/ Engineers drawings and specifications</u> Finishes					
A	average 400mm thick existing hardcore/ stone access roadway; disposal off site	102	m2			
B	tarmacadam; 100mm thick; disposal off site	300	m2			
C	tarmacadam footpath at side of existing building; 100mm thick; disposal off site; as noted on Engineers Drg Nr C307-A	31	m2			
	Extra on excavation items for; working around existing services; as per JWPM Drg Nr C300					
D	existing services generally		Item			
E	existing Foul sewer	34	m			
F	existing Foul manhole (S5)	1	nr			
G	existing Road gullies (Bus layby)	2	nr			
H	average 100mm thick reinforced concrete footpath and associated hardcore filling; disposal off site; as noted on Engineers Drg Nr C307-A	78	m2			
I	road kerbs and associated foundations; allow for saw cutting existing roadway and making good on completion; disposal off site; (along footpath at front boundary wall)	26	m			
	<u>Extra over for</u>					
J	saw cutting to form neat junction with existing (tarmacadam)	35	m			
K	saw cutting to form neat junction with existing (concrete footpath)	2	m			

	Description	Qty	Unit	Rate	€	c
A	<u>Burning off existing carparking line markings; as per architects drawing TR-01</u> generally	44	m			
B	<u>EXCAVATION AND EARTHWORKS</u> The contractor shall note the location of existing services on site as identified on Site Survey drawing. The main contractor shall allow for hand digging in the event of excavation in close proximity of existing services <u>EXCAVATION</u> <u>Removing</u> Trees;		Item			
C	girth < or = 0.45m; grub up roots and remove from site	2	nr			
D	hedges/shrub; grub up roots and remove from site <u>Excavation</u>	26	m			
E	site vegetation Excavate topsoil;	220	m2			
F	average depth 350mm Excavation; reduced levels	812	m2			
G	depth not exceeding 2.00m	780	m3			
H	< or = 2.00m; (Black soft silty peat layer)	76	m3			
I	< or = 2.00m; (Gravel, heavily compacted) Disposal; water	195	m3			
J	surface Topsoil; disposal		Item			
K	to on-site temporary spoil heaps; as directed by Architect	106	m3			

	Description	Qty	Unit	Rate	€	c
A	off site Excavated material; disposal	179	m3			
B	off site	780	m3			
C	off site (Black soft silty peat layer)	76	m3			
D	off site (Gravel, heavily compacted)	195	m3			
	<u>WORK IN RELATION TO EXISTING SEPTIC TANK & OIL TANKS</u>					
	<u>TESTING</u>					
	<u>The contractor shall allow for specialist testing of the ground around the septic tank. The contractor shall issue this report to the Design Team</u>					
E	generally DEMOLITION & ALTERNATIONS <u>DEMOLITION</u> <u>Decommission and remove off site the following site services; allow for emptying/ desludging existing septic tank prior to commencing works; excavate out existing tank; dispose of septic tank off site and also any contaminated ground/ excavations; cap off and make good to existing pipework as required; all in accordance with Engineers drawings and specifications</u> General Clearance		Item			
F	Existing WWTs (Septic Tank); 6700mm x 3200mm x 2500mm deep; overall size		item			

	Description	Qty	Unit	Rate	€	c
	<u>Demolish/ remove existing 2400mm high pallisade fencing; overall 2400mm high above ground; 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</u> Demolishing individual structures (fencing)					
A	generally (existing septic tank area)	26	m			
	<u>Extra over for</u>					
B	pedestrian gate & post	1	nr			
	<u>Decommission and remove off site the following site services; allow for backfilling on removal with Clause 804 Hardcore; 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</u> Removing; Plumbing & Engineering					
C	existing 2500L self bunded Oil tank, concrete plinth and associated bund walls, Oil tank to be temporary relocated to supply existing boiler (Temporary re-location of tank and associated pipework measured elsewhere in EL 50 Site Services Piped and Ducted); allow for emptying existing oil tank prior to commencing the removal of same. The contractor shall allow for safely storing the oil removed from the existing tank. The contractor shall allow for re-filling of the oil tank once erected in its new temporary location)		item			

	Description	Qty	Unit	Rate	€	c
A	existing Oil pipe and associated fittings, excavate and remove existing pipe and associated fittings; cap off existing pipework as required; allow for backfilling in lean mix-concrete to ground level; refer to Engineer's drawing JWPM 0351-C300 & C307-A for further details	67	m			
B	existing hedging to existing septic tank surround; dispose off site and make good to all works disturbed	26	m			
EXCAVATION & EARTHWORK						
<u>EXCAVATION</u>						
<u>Excavation</u>						
Reduced Level						
C	depth 2.00 - 4.00m	65	m3			
<u>Disposal</u>						
D	surface water		item			
E	ground water		item			
Excavated material						
F	off site; contaminated material/ ground around existing septic tank & oil tank; contractor to dispose of same to licensed facility in accordance with current regulations	65	m3			
<u>Imported stone filling; to Annex E - T1</u>						
<u>Struc stone filling; SR21 compacted in layers exceeding 300mm 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</u>						
Filling: imported material						
G	to make up levels; average thickness > 250mm	65	m3			

Description	Qty	Unit	Rate	€	c
COLLECTION					
Page No. BQ/437					
Page No. BQ/438					
Page No. BQ/439					
Page No. BQ/440					
Page No. BQ/441					
Page No. BQ/442					
Page No. BQ/443					
Page No. BQ/444					
Page No. BQ/445					
Page No. BQ/446					
Page No. BQ/447					
Page No. BQ/448					
Page No. BQ/449					
EL (10) PREPARED SITE Carried to Summary					

	Description	Qty	Unit	Rate	€	c
	<u>INFORMATION</u>					
	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			
	<u>RELOCATED SHED BASE</u>					
	<u>EXCAVATION AND EARTHWORKS</u>					
	<u>EXCAVATION</u>					
	<u>Excavating isolated pits</u>					
A	< or = 2m deep	7	m3			
	Disposal					
B	water ground		Item			
C	water surface		Item			
	Disposal; excavated material; off site in accordance with current regulations					
D	off site	7	m3			
	<u>Crushed rock selected granular fill; to Clause 804 / 808 of NRA Specification for Roadworks; 100mm thick; compacted; all in accordance with Engineer's drawings and specifications</u>					
	Filling					
E	to make up levels; not exceeding 250mm thick	2	m3			
	<u>Surface treatments</u>					
F	blinding filling	14	m2			

	Description	Qty	Unit	Rate	€	c
	CONCRETE WORK					
	IN-SITU CONCRETE					
	<u>Reinforced C28/35 concrete; poured on or against earth or unblinded hardcore; all in accordance with the Engineers drawings and specification</u>					
	Slab					
A	not exceeding 150mm thick	3	m3			
	SUNDRIES					
	<u>Surface finishes</u>					
B	power floating	14	m2			
	REINFORCEMENT					
	<u>Reinforcement; fabric ; BS4483 hard drawn plain round steel, welded; 300mm side and end laps; as specified</u>					
	<u>Fabric</u>					
C	reference A139; horizontal	14	m2			
	FORMWORK					
	<u>Basic finish formwork for non-exposed concrete faces below ground; all in accordance with Architects/ Engineer's drawings and specifications</u>					
	Edges of beds					
D	not exceeding 250mm wide	15	m			

Description	Qty	Unit	Rate	€	c
COLLECTION Page No. BQ/451 Page No. BQ/452 EL (20) SITE STRUCTURES (RELOCATED SHED BASE) Carried to Summary					

	Description	Qty	Unit	Rate	€	c
	<u>INFORMATION</u>					
	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			
	<u>CAR PARK FENCING</u>					
	<u>SURFACE PAVINGS, FENCING AND LANDSCAPING</u>					
	<u>Weld Mesh Fencing with Steel Posts ;New Powdercoated Galvanised V-Mesh Panel Fencing 1.6m high (2.5m width panels) fixed to fence posts of 60 x 60mm steel section and 50mm circular top section with mesh brackets, and anti tamper bolts. (Black Ral Colour) MESH APERTURE: 200mm x 50mmWIRE DIAMETER: 5mm horizontal and 5mm verticals POSTS: 60mm x 60mm posts @ 2532mm centres and mesh secured using clamps and M8 anti-tamper screws. FINISH: Galvanised and Powder Coated ; 1600mm overall height; Base: 1000mm x 500mm C28/35 in situ concrete; Control joint to engineer's specification as 3m c/c. Control joint to be centered between posts, to occur at every second post. all installations in accordance with manufacturers instructions; all in accordance with Architects drawings and specifications</u>					
	Fencing					
A	1600m high over ground	53	m			
	<u>Extra over for</u>					
B	450mm high concrete base wall	53	m			
C	corner posts	2	nr			
D	end posts	4	nr			

Description	Qty	Unit	Rate	€	c
Weld Mesh Fencing Gate with Steel Posts ; 1.6m high x .95m high, lockable ; 80x80x8 SHS galvanised gate costs encased in 50mm of C28/35 concrete below ground level with D49 wrapping mesh ; on 25mm high strength no shrink grout to level base plate; baseplate 200x200x20mm thick MS baseplate with 4 no. 20mm dia holes for 4 no. M20dia high strenght threaded bar fixed to concrete with Hilti HIT-HY 200 resin fixing ; Gate post foundations 900x900x350mm deep C28/5 pad ynder pillar with A393 mesh ; all installations in accordance with manufacturers instructions; all in accordance with Architects and Engineers drawings and specifications Gates 950mm wide x 1600mm high <u>ENTRANCE GATES</u> <u>METALWORK</u> NON - STRUCTURAL Steel gates; Material: MS; Finish: Hot dip galvanized to BS EN ISO 1461; Galvanised steel gates to consist of 215mm square steel supports to engineer's design and specification 100 x 100mm galvanised hollow section framework with 20 x 20 vertical square rods at 100mm centre spacings all welded; gate to be provided with 20mm diameter galvanised sliding bolt and 20mm diameter galvanised drop bolts both lockable; gates to be fixed to 100 x 100mm galvanised MS sqaure tubing post with flat plate over to vehicular gate to concrete footing and fixed to block piers (post and post works measured elsewhere); all installations in accordance with manufacturers instructions; all in accordance with Architects drawings and specifications; refer to Architect drawing 422011-TR-03 Detail 2 "GATE 01 - Vehicular Entrance Gate" for further details and requirements Pair vehicular entrance gates	3	nr			

	Description	Qty	Unit	Rate	€	c
A	5300mm wide x 1400mm high; double leaf gate; include for drop-down bolt & slide bolt both with padlock facility; all to Specialist design <u>Gate posts in 100 x 10.0 SHS galvanized steel to suppliers design & specification, fabricated to architects drawings; all works in accordance with Architects drawings and specifications</u> Gate posts	1	nr			
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]	0.30	t			
C	<u>extra for</u> 10mm galvanized steel cap to 100 x 100mm SHS post ; welding/ grinding to post top ; polyester powder coated finish	2	nr			
D	<u>extra for</u> polyester powder coated finish to 100mm exposed edge of gate post	6	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	2	nr			
	<u>SUNDRIES</u>					
	25mm non shrink grout					
F	under base plate ; 300 x 300mm	2	nr			

	Description	Qty	Unit	Rate	€	c
	<u>Steel gates; Material: MS; Finish: Hot dip galvanized to BS EN ISO 1461; Galvanised steel gates to consist of 80 x 80mm galvanised hollow section framework with 20 x 20 vertical square rods at 100mm centre spacings all welded; with a egress and access control measure elsewhere; gates to be fixed to 80 x 80mm galvanised MS square tubing post with flat plate over to vehicular gate to concrete footing and fixed to block piers (post and post works measured elsewhere); all installations in accordance with manufacturers instructions; all in accordance with Architects drawings and specifications; refer to Architect drawing 422011-TR-03 Detail 2 "GATES 3, 4 & 5 - Pedestrians" for further details and requirements</u> Pedestrian entrance gates					
A	950mm wide x 1500mm high; single leaf gate; all to Specialist design; Gate 03, 04 & 05	3	nr			
B	<u>Extra over</u> <u>Access & egress control system to pedestrian gates, KE9700 with electronic retraction on main leaf with KDL-5021 on external 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 and specification for further details</u> Ironmongery					
C	pedestrian gate ; Gate 03, 04 & 05	3	nr			

	Description	Qty	Unit	Rate	€	c
	<u>Steel gates; Material: MS; Finish: Hot dip galvanized to BS EN ISO 1461; 80 x 80mm galvanised hollow section framework with 20 x 20 vertical square rods at 100mm centre spacings all welded; gate to be provided with 20mm diameter galvanised sliding bolt and 20mm diameter galvanised drop bolts both lockable; gates to be fixed to 80 x 80mm galvanised MS square tubing post with flat plate over to vehicular gate to concrete footing and fixed to block piers (post and post works measured elsewhere); all installations in accordance with manufacturers instructions; all in accordance with Architects drawings and specifications; refer to Architect drawing 422011-TR-03 Detail 2 "GATES 2 - Pedestrians" for further details and requirements</u>					
A	950mm wide x 700mm high; single leaf gate; all to Specialist design; Gate 02 <u>Gate posts in 80 x 80 SHS galvanized steel to suppliers design & specification, fabricated to architects drawings; all works in accordance with Architects drawings and specifications</u> Gate posts	1	nr			
B	80 x 80 mm galvanised MS square tubing posts with flat plate over to pedestrian gates in gate post 1500mm high with 300 x 300 x 20mm thick base plate welded on ; include for 2 nr eyelet hanging brackets welded on	0.30	t			
C	<u>extra for 10mm galvanized steel cap to 80 x 50mm SHS post ; welding/ grinding to post top ; polyester powder coated finish</u>	4	nr			
D	<u>extra for polyester powder coated finish to 80mm exposed edge of gate post</u>	7	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	4	nr			

	Description	Qty	Unit	Rate	€	c
	<u>SUNDRIES</u>					
A	25mm non shrink grout under base plate ; 300 x 300mm	4	nr			
	<u>1.6M HIGH PLASTERED BLOCK WALL - AROUND SENSORY GARDEN</u>					
	<u>EXCAVATION AND EARTHWORK</u>					
	<u>EXCAVATION</u>					
	<u>Excavating foundation trenches</u>					
	<u>Excavation by mechanical means</u>					
	Foundation trenches; depth					
B	< or = 2.00m	21	m3			
C	< or = 2.00m (piers)	11	m3			
	Extra on excavation items for					
D	breaking up existing; rock	10	m3			
	<u>Disposal</u>					
E	surface water		Item			
F	ground water		Item			
G	excavated material; off site	32	m3			
H	excavated material; off site (rock)	10	m3			
	<u>Imported stone filling; 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</u>					
	Filling: imported material					
I	to excavations; average thickness > 250mm	11	m3			

	Description	Qty	Unit	Rate	€	c
	CONCRETE WORKS					
	IN-SITU CONCRETE					
	<u>C12/15 Lean concrete blinding; all in accordance with the Engineers drawings and specification</u>					
	Blinding; poured on or against earth or unblinded hardcore					
A	thickness 50mm; under foundations	3	m3			
	<u>Insitu concrete; grade C28/35; maximum aggregate size 20mm and minimum cement content 325kg/m3; 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</u>					
	Foundations					
B	poured on or against earth or unblinded hardcore	7	m3			
C	poured on or against earth or unblinded hardcore (piers)	5	m3			
	REINFORCEMENT					
	<u>Reinforcement; fabric; BS4483; hard drawn plain round steel, welded; 500mm end and side laps as specified (no allowance in measurement for lapping); all in accordance with Engineers drawings and recommendations</u>					
	Fabric					
D	size A393; strip foundations	22	m2			
E	size A393; strip foundations; piers	15	m2			
	FORMWORK					
	<u>Basic finish formwork for non-exposed concrete faces below ground; all in accordance with Architects / Engineer's drawings and specifications</u>					
	Sides of foundations					

	Description	Qty	Unit	Rate	€	c
A	> 250mm < or = 500mm wide	76	m			
B	> 250mm < or = 500mm wide (piers)	44	m			
	PRECAST CONCRETE					
	<u>Precast concrete capping; Standard: To BS 5642; Manufacturer: Submit proposal;</u> <u>Product reference: 100mm face x 150mm</u> <u>ridge precast capping or equivalent set</u> <u>full in mortar bed to top of boundary wall</u> <u>piers; Dimensions: As shown on drawings;</u> <u>Finish: to manufacturers standard; Mortar</u> <u>for bedding/ jointing: Cement gauged as</u> <u>section Z21; Standard: To BS EN 998-2;</u> <u>Mix: Group 2 (designation ii)</u> <u>cement:lime:sand; Additional requirements:</u> <u>To match adjoining masonry; Joints: Full</u> <u>and finished flush; Placement: Lay on a</u> <u>full bed of mortar to line and level; all</u> <u>installations in accordance with the</u> <u>manufacturer's instructions; all in</u> <u>accordance with Architects drawings and</u> <u>specifications</u>					
	Copings (walls)					
C	350mm wide x 150/100mm high	36	m			
	Copings (piers)					
D	500mm x 500mm square x 150mm high	18	nr			

	Description	Qty	Unit	Rate	€	c
	<u>BRICKWORK AND BLOCKWORK</u>					
	BLOCKWORK					
	Blockwork: Standard solid masonry block. 13N mean dry unit strength when tested on edge; in accordance with category 1 of I.S. EN 771-3 & I.S. EN 772-1; Configuration: Solid. Freeze/ Thaw resistance: Frost resistant. Recycled content: None permitted. Work sizes (length x width x height): 440 x 100 x 215 mm (typical). Special shapes: Corner blocks or as shown on drawings; Mortar: refer to Engineers specification. Standards: refer to Engineers specification; Bond: stretcher Joints: Flush Contractor is to provide Declaration of Performance Certificate for all blockwork delivered to site in accordance with Engineers requirements. In particular all blockwork shall be free from the reactive form of pyrite and mica; all installation in accordance with the manufacturer's instructions; refer to Engineers drawings and specifications for further details					
	Walls in trenches					
A	215mm thick	17	m2			
	Piers in trenches					
B	450mm thick	4	m2			
	Walls					
C	215mm thick	58	m2			
	Piers					
D	450mm thick	13	m2			
	Labours					
E	on blockwork		item			

	Description	Qty	Unit	Rate	€	c
	<u>Movement/ expansion joint in external site blockwork walls; suitably primed and mastic pointed sealant on cross linked flexible small closed cell medium density polyethylene backing; Ancon PPS (225) or equivalent ties at 450mm centres; including flexible beading in external plaster to one side; 20mm mastic pointing of joint; all in accordance with manufacturers instructions; all in accordance with Engineer's drawings and specifications</u> Movement joints					
A	450mm blockwall (piers)	37	m			
	ANCILLARIES TO BRICKWORK / BLOCKWORK					
	<u>I.S. 57, polythene 0.46mm thick or equivalent; bedding in cement lime sand mortar (1: 1: 6); 200mm laps</u>					
	Damp proof courses; width					
B	< or = 225mm wide; horizontal	36	m			
C	width exceeding 225mm; horizontal	4	m2			
	<u>FLOOR, WALL AND CEILING FINISHES</u>					
	<u>FINISHINGS</u>					
	IN-SITU FINISHES					
D	The render system shall be highly resistant to wind driven rain, with a Water permeability rate W:<0.05 kg/(m2h0.5), W3 (Low) in accordance with EN 1062-3: 2008, and be suitable for use in locations with an exposure classification of 'Very Severe 'in accordance with BS 8104:1992- 'Code of practice for assessing exposure of walls to wind-driven rain' and a Driving rain Index of 10 in accordance with Met Eireann Climatological Note No.13 'Distribution of Driving Rain in Ireland.'		Note			

	Description	Qty	Unit	Rate	€	c
	<u>External render. Substrate: Concrete blockwork, as section F10. Preparation: Spatterdash keying coat; Scud Coat: wall surface to be covered with a single layer of 3-5mm thick scud coat; Undercoat: Undercoat thickness shall not exceed 12mm in thickness, undercoat(s) shall be combed to provide a sufficient key for the next coat; Final Coat: Final coat: Lime:sand:Ready Mix to IS EN 998-1:2016, Sand: to IS EN 13139:2002, Lime:sand manufacturer: Contractors Choice, Product reference : to be agreed, Mix (cement:lime:sand) - 1:1:4,5, Thickness: 8-10mm, Finish: Wood-float; Refer to elevation drawings. Sample panels to be erected on site for Architect's approval. Accessories: Stainless steel beads; resistance render mesh to all corners to opes; all instalaltions in accordance with Architects drawings and specifcations</u>					
	Walls; 20mm thick render					
A	width < or = 300mm	13	m2			
B	width > 300mm wide	115	m2			
	Plinth					
C	150mm	80	m			
	Bellcast					
D	150mm - 300mm	80	m			
	<u>Beading; stainless steel beading; TBS EN 10088-1, grade 1.4301; 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</u>					
	Sundries					
E	angle bead; piers	58	m			
F	stop bead; plinth	71	m			

	Description	Qty	Unit	Rate	€	c
	<u>PAINTING AND DECORATING</u>					
	EXTERNAL PAINTING					
	<u>Masonry Coating To All External Rendered Walls; Manufacturer: Colourtrend; Product reference: Colourtrend external Wet Dash Render Masonry Paint; Surfaces: External walls; Preparation: Remove loose and spalled material and wash down; Initial coats: Type: As manufacturers recommendations; Number of coats: 1 coat; Finishing coats: roller applied; Type: as manufacture; Number of coats: Apply 2 coats by brush, roller, conventional spray or airless spray. Stir thoroughly before use; For conventional spray application, thin with up to 1 part clean water to 2.5 parts of paint; For airless spray application, thin with up to 1 part clean water to 5 parts of paint; for brush or roller application, thin with up to 1 part clean water to 10 parts of paint if required (do not exceed this dosage); allow a minimum drying time of 2-4 hours between coats (touch dry in 1-2 hours) in normal drying conditions. Do not apply on heated surfaces. Do not apply when the temperature is below 10°C or when there is a likelihood of rain, fog or frost; all in accordance with manufacturers instructions; all in accordance with Engineer's drawings and specifications</u>					
	Walls					
A	width < or = 300mm	13	m2			
B	width > 300mm wide	115	m2			
	General Surfaces					
C	> 300mm wide (wall/pillar cappings)	18	m2			

	Description	Qty	Unit	Rate	€	c
	<u>1.6M HIGH PLASTERED BLOCK WALL - AROUND SOFT PLAY AREA</u>					
	<u>EXCAVATION AND EARTHWORK</u>					
	<u>EXCAVATION</u>					
	<u>Excavating foundation trenches</u>					
	<u>Excavation by mechanical means</u>					
	Foundation trenches; depth					
A	< or = 2.00m	11	m3			
B	< or = 2.00m (piers)	7	m3			
	Extra on excavation items for					
C	breaking up existing; rock	7	m3			
	<u>Disposal</u>					
D	surface water		Item			
E	ground water		Item			
F	excavated material; off site	18	m3			
G	excavated material; off site (rock)	7	m3			
	<u>Imported stone filling; 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</u>					
	Filling: imported material					
H	to excavations; average thickness > 250mm	8	m3			

	Description	Qty	Unit	Rate	€	c
	CONCRETE WORKS					
	IN-SITU CONCRETE					
	<u>C12/15 Lean concrete blinding; all in accordance with the Engineers drawings and specification</u>					
	Blinding; poured on or against earth or unblinded hardcore					
A	thickness 50mm; under foundations	2	m3			
	<u>Insitu concrete; grade C28/35; maximum aggregate size 20mm and minimum cement content 325kg/m3; 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</u>					
	Foundations					
B	poured on or against earth or unblinded hardcore	5	m3			
C	poured on or against earth or unblinded hardcore (piers)	3	m3			
	REINFORCEMENT					
	<u>Reinforcement; fabric; BS4483; hard drawn plain round steel, welded; 500mm end and side laps as specified (no allowance in measurement for lapping); all in accordance with Engineers drawings and recommendations</u>					
	Fabric					
D	size A393; strip foundations	14	m2			
E	size A393; strip foundations; piers	9	m2			
	FORMWORK					
	<u>Basic finish formwork for non-exposed concrete faces below ground; all in accordance with Architects / Engineer's drawings and specifications</u>					
	Sides of foundations					

	Description	Qty	Unit	Rate	€	c
A	> 250mm < or = 500mm wide	48	m			
B	> 250mm < or = 500mm wide (piers)	27	m			
	PRECAST CONCRETE					
	<u>Precast concrete capping; Standard: To BS 5642; Manufacturer: Submit proposal;</u> <u>Product reference: 100mm face x 150mm</u> <u>ridge precast capping or equivalent set</u> <u>full in mortar bed to top of boundary wall</u> <u>piers; Dimensions: As shown on drawings;</u> <u>Finish: to manufacturers standard; Mortar</u> <u>for bedding/ jointing: Cement gauged as</u> <u>section Z21; Standard: To BS EN 998-2;</u> <u>Mix: Group 2 (designation ii)</u> <u>cement:lime:sand; Additional requirements:</u> <u>To match adjoining masonry; Joints: Full</u> <u>and finished flush; Placement: Lay on a</u> <u>full bed of mortar to line and level; all</u> <u>installations in accordance with the</u> <u>manufacturer's instructions; all in</u> <u>accordance with Architects drawings and</u> <u>specifications</u>					
	Copings (walls)					
C	350mm wide x 150/100mm high	24	m			
	Copings (piers)					
D	500mm x 500mm square x 150mm high	11	nr			

	Description	Qty	Unit	Rate	€	c
	<u>BRICKWORK AND BLOCKWORK</u>					
	BLOCKWORK					
	<u>Blockwork: Standard solid masonry block.</u> <u>13N mean dry unit strength when tested on</u> <u>edge; in accordance with category 1 of</u> <u>I.S. EN 771-3 & I.S. EN 772-1;</u> <u>Configuration: Solid. Freeze/ Thaw</u> <u>resistance: Frost resistant. Recycled</u> <u>content: None permitted. Work sizes</u> <u>(length x width x height): 440 x 100 x 215</u> <u>mm (typical). Special shapes: Corner</u> <u>blocks or as shown on drawings; Mortar:</u> <u>refer to Engineers specification.</u> <u>Standards: refer to Engineers</u> <u>specification; Bond: stretcher Joints:</u> <u>Flush Contractor is to provide Declaration</u> <u>of Performance Certificate for all</u> <u>blockwork delivered to site in accordance</u> <u>with Engineers requirements. In particular</u> <u>all blockwork shall be free from the</u> <u>reactive form of pyrite and mica; all</u> <u>installation in accordance with the</u> <u>manufacturer's instructions; refer to</u> <u>Engineers drawings and specifications for</u> <u>further details</u>					
	Walls in trenches					
A	215mm thick	11	m2			
	Piers in trenches					
B	450mm thick	3	m2			
	Walls					
C	215mm thick	38	m2			
	Piers					
D	450mm thick	9	m2			
	Labours					
E	on blockwork		item			

	Description	Qty	Unit	Rate	€	c
	<u>Movement/ expansion joint in external site blockwork walls; suitably primed and mastic pointed sealant on cross linked flexible small closed cell medium density polyethylene backing; Ancon PPS (225) or equivalent ties at 450mm centres; including flexible beading in external plaster to one side; 20mm mastic pointing of joint; all in accordance with manufacturers instructions; all in accordance with Engineer's drawings and specifications</u> Movement joints					
A	450mm blockwall (piers)	23	m			
	ANCILLARIES TO BRICKWORK / BLOCKWORK					
	<u>I.S. 57, polythene 0.46mm thick or equivalent; bedding in cement lime sand mortar (1: 1: 6); 200mm laps</u> Damp proof courses; width					
B	< or = 225mm wide; horizontal	24	m			
C	width exceeding 225mm; horizontal	3	m2			

	Description	Qty	Unit	Rate	€	c
	<u>FLOOR, WALL AND CEILING FINISHES</u>					
	<u>FINISHINGS</u>					
	IN-SITU FINISHES					
	<u>External render. Substrate: Concrete blockwork, as section F10. Preparation: Spatterdash keying coat; Scud Coat: wall surface to be covered with a single layer of 3-5mm thick scud coat; Undercoat: Undercoat thickness shall not exceed 12mm in thickness, undercoat(s) shall be combed to provide a sufficient key for the next coat; Final Coat: Final coat: Lime:sand:Ready Mix to IS EN 998-1:2016, Sand: to IS EN 13139:2002, Lime:sand manufacturer: Contractors Choice, Product reference : to be agreed, Mix (cement:lime:sand) - 1:1:4,5, Thickness: 8-10mm, Finish: Wood-float; Refer to elevation drawings. Sample panels to be erected on site for Architect's approval. Accessories: Stainless steel beads; resistance render mesh to all corners to opes; all instalaltions in accordance with Architects drawings and specifcations</u>					
	Walls; 20mm thick render					
A	width < or = 300mm	9	m2			
B	width >300mm	75	m2			
	Plinth					
C	150mm	52	m			
	Bellcast					
D	150mm - 300mm	52	m			
	<u>Beading; stainless steel beading; TBS EN 10088-1, grade 1.4301; 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</u>					
	Sundries					
E	angle bead; piers	36	m			

	Description	Qty	Unit	Rate	€	c
A	stop bead; plinth	52	m			
	<u>PAINTING AND DECORATING</u>					
	<u>EXTERNAL PAINTING</u>					
	<u>Masonry Coating To All External Rendered Walls; Manufacturer: Colourtrend; Product reference: Colourtrend external Wet Dash Render Masonry Paint; Surfaces: External walls; Preparation: Remove loose and spalled material and wash down; Initial coats: Type: As manufacturers recommendations; Number of coats: 1 coat; Finishing coats: roller applied; Type: as manufacture; Number of coats: Apply 2 coats by brush, roller, conventional spray or airless spray. Stir thoroughly before use; For conventional spray application, thin with up to 1 part clean water to 2.5 parts of paint; For airless spray application, thin with up to 1 part clean water to 5 parts of paint; for brush or roller application, thin with up to 1 part clean water to 10 parts of paint if required (do not exceed this dosage); allow a minimum drying time of 2-4 hours between coats (touch dry in 1-2 hours) in normal drying conditions. Do not apply on heated surfaces. Do not apply when the temperature is below 10°C or when there is a likelihood of rain, fog or frost; all in accordance with manufacturers instructions; all in accordance with Engineer's drawings and specifications</u>					
	<u>Walls</u>					
B	width < or = 300mm	9	m2			
C	width >300mm	75	m2			
	<u>General Surfaces</u>					
D	> 300mm wide (wall/pillar cappings)	11	m2			

	Description	Qty	Unit	Rate	€	c
	<u>1.8M HIGH PLASTERED BLOCK WALL - AROUND SOFT PLAY AREA</u>					
	<u>EXCAVATION AND EARTHWORK</u>					
	<u>EXCAVATION</u>					
	<u>Excavating foundation trenches</u>					
	<u>Excavation by mechanical means</u>					
	Foundation trenches; depth					
A	< or = 2.00m	8	m3			
B	< or = 2.00m (piers)	5	m3			
	Extra on excavation items for					
C	breaking up existing; rock	9	m3			
	<u>Disposal</u>					
D	surface water		Item			
E	ground water		Item			
F	excavated material; off site	13	m3			
G	excavated material; off site (rock)	9	m3			
	<u>Imported stone filling; 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</u>					
	Filling: imported material					
H	to excavations; average thickness > 250mm	3	m3			

	Description	Qty	Unit	Rate	€	c
	CONCRETE WORKS					
	IN-SITU CONCRETE					
	<u>C12/15 Lean concrete blinding; all in accordance with the Engineers drawings and specification</u>					
	Blinding; poured on or against earth or unblinded hardcore					
A	thickness 50mm; under foundations	2	m3			
	<u>Insitu concrete; grade C28/35; maximum aggregate size 20mm and minimum cement content 325kg/m3; 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</u>					
	Foundation trenches					
B	poured on or against earth or unblinded hardcore	4	m3			
C	poured on or against earth or unblinded hardcore (piers)	2	m3			
	REINFORCEMENT					
	<u>Reinforcement; fabric; BS4483; hard drawn plain round steel, welded; 500mm end and side laps as specified (no allowance in measurement for lapping); all in accordance with Engineers drawings and recommendations</u>					
	Fabric					
D	size A393; strip foundations	11	m2			
E	size A393; strip foundations; piers	7	m2			
	FORMWORK					
	<u>Basic finish formwork for non-exposed concrete faces below ground; all in accordance with Architects / Engineer's drawings and specifications</u>					
	Sides of foundations					

	Description	Qty	Unit	Rate	€	c
A	> 250mm < or = 500mm wide	36	m			
B	> 250mm < or = 500mm wide (piers)	20	m			
	PRECAST CONCRETE					
	<u>Precast concrete capping; Standard: To BS 5642; Manufacturer: Submit proposal;</u> <u>Product reference: 100mm face x 150mm</u> <u>ridge precast capping or equivalent set</u> <u>full in mortar bed to top of boundary wall</u> <u>piers; Dimensions: As shown on drawings;</u> <u>Finish: to manufacturers standard; Mortar</u> <u>for bedding/ jointing: Cement gauged as</u> <u>section Z21; Standard: To BS EN 998-2;</u> <u>Mix: Group 2 (designation ii)</u> <u>cement:lime:sand; Additional requirements:</u> <u>To match adjoining masonry; Joints: Full</u> <u>and finished flush; Placement: Lay on a</u> <u>full bed of mortar to line and level; all</u> <u>installations in accordance with the</u> <u>manufacturer's instructions; all in</u> <u>accordance with Architects drawings and</u> <u>specifications</u>					
	Copings (walls)					
C	350mm wide x 150/100mm high	17	m			
	Copings (piers)					
D	500mm x 500mm square x 150mm high	8	nr			

	Description	Qty	Unit	Rate	€	c
	<u>BRICKWORK AND BLOCKWORK</u>					
	BLOCKWORK					
	Blockwork: Standard solid masonry block. 13N mean dry unit strength when tested on edge; in accordance with category 1 of I.S. EN 771-3 & I.S. EN 772-1; Configuration: Solid. Freeze/ Thaw resistance: Frost resistant. Recycled content: None permitted. Work sizes (length x width x height): 440 x 100 x 215 mm (typical). Special shapes: Corner blocks or as shown on drawings; Mortar: refer to Engineers specification. Standards: refer to Engineers specification; Bond: stretcher Joints: Flush Contractor is to provide Declaration of Performance Certificate for all blockwork delivered to site in accordance with Engineers requirements. In particular all blockwork shall be free from the reactive form of pyrite and mica; all installation in accordance with the manufacturer's instructions; refer to Engineers drawings and specifications for further details					
	Walls in trenches					
A	215mm thick	8	m2			
	Piers in trenches					
B	450mm thick	2	m2			
	Walls					
C	215mm thick	28	m2			
	Piers					
D	450mm thick	7	m2			
	Labours					
E	on blockwork		item			

	Description	Qty	Unit	Rate	€	c
	<u>Movement/ expansion joint in external site blockwork walls; suitably primed and mastic pointed sealant on cross linked flexible small closed cell medium density polyethylene backing; Ancon PPS (225) or equivalent ties at 450mm centres; including flexible beading in external plaster to one side; 20mm mastic pointing of joint; all in accordance with manufacturers instructions; all in accordance with Engineer's drawings and specifications</u> Movement joints 450mm blockwall (piers)	18	m			
A	ANCILLARIES TO BRICKWORK / BLOCKWORK					
	<u>I.S. 57, polythene 0.46mm thick or equivalent; bedding in cement lime sand mortar (1: 1: 6); 200mm laps</u> Damp proof courses; width					
B	< or = 225mm wide; horizontal	17	m			
C	width exceeding 225mm; horizontal	2	m2			

	Description	Qty	Unit	Rate	€	c
	<u>FLOOR, WALL AND CEILING FINISHES</u>					
	<u>FINISHINGS</u>					
	IN-SITU FINISHES					
	<u>External render. Substrate: Concrete blockwork, as section F10. Preparation: Spatterdash keying coat; Scud Coat: wall surface to be covered with a single layer of 3-5mm thick scud coat; Undercoat: Undercoat thickness shall not exceed 12mm in thickness, undercoat(s) shall be combed to provide a sufficient key for the next coat; Final Coat: Final coat: Lime:sand:Ready Mix to IS EN 998-1:2016, Sand: to IS EN 13139:2002, Lime:sand manufacturer: Contractors Choice, Product reference : to be agreed, Mix (cement:lime:sand) - 1:1:4,5, Thickness: 8-10mm, Finish: Wood-float; Refer to elevation drawings. Sample panels to be erected on site for Architect's approval. Accessories: Stainless steel beads; resistance render mesh to all corners to opes; all instalaltions in accordance with Architects drawings and specifcations</u>					
	Walls; 20mm thick render					
A	width < or = 300mm	7	m2			
B	width >300mm	28	m2			
	Plinth					
C	150mm	38	m			
	Bellcast					
D	150mm - 300mm	34	m			
	<u>Beading; stainless steel beading; TBS EN 10088-1, grade 1.4301; 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</u>					
	Sundries					
E	angle bead; piers	29	m			

	Description	Qty	Unit	Rate	€	c
A	stop bead; plinth	34	m			
	<u>PAINTING AND DECORATING</u>					
	<u>EXTERNAL PAINTING</u>					
	<u>Masonry Coating To All External Rendered Walls; Manufacturer: Colourtrend; Product reference: Colourtrend external Wet Dash Render Masonry Paint; Surfaces: External walls; Preparation: Remove loose and spalled material and wash down; Initial coats: Type: As manufacturers recommendations; Number of coats: 1 coat; Finishing coats: roller applied; Type: as manufacture; Number of coats: Apply 2 coats by brush, roller, conventional spray or airless spray. Stir thoroughly before use; For conventional spray application, thin with up to 1 part clean water to 2.5 parts of paint; For airless spray application, thin with up to 1 part clean water to 5 parts of paint; for brush or roller application, thin with up to 1 part clean water to 10 parts of paint if required (do not exceed this dosage); allow a minimum drying time of 2-4 hours between coats (touch dry in 1-2 hours) in normal drying conditions. Do not apply on heated surfaces. Do not apply when the temperature is below 10°C or when there is a likelihood of rain, fog or frost; all in accordance with manufacturers instructions; all in accordance with Engineer's drawings and specifications</u>					
	<u>Walls</u>					
B	width >300mm	55	m2			
	<u>General Surfaces</u>					
C	> 300mm wide (wall/pillar cappings)	8	m2			

	Description	Qty	Unit	Rate	€	c
	<u>RAISED PLANTER WALLS - PAVED GARDEN AREA</u>					
	<u>EXCAVATION AND EARTHWORK</u>					
	<u>EXCAVATION</u>					
	<u>Excavating foundation trenches</u>					
	<u>Excavation by mechanical means</u>					
	Foundation trenches; depth					
A	< or = 2.00m	15	m3			
	<u>Disposal</u>					
B	surface water		Item			
C	ground water		Item			
D	excavated material; off site	15	m3			
	<u>Imported stone filling; 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</u>					
	Filling: imported material					
E	to excavations; average thickness > 250mm	9	m3			
	<u>CONCRETE WORKS</u>					
	<u>IN-SITU CONCRETE</u>					
	<u>C12/15 Lean concrete blinding; all in accordance with the Engineers drawings and specification</u>					
	Blinding; poured on or against earth or unblinded hardcore					
F	thickness 50mm; under foundations	1	m3			

	Description	Qty	Unit	Rate	€	c
A	<u>Insitu concrete; grade C28/35; maximum aggregate size 20mm and minimum cement content 325kg/m3; 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</u> Foundation trenches poured on or against earth or unblinded hardcore	5	m3			
	REINFORCEMENT <u>Reinforcement; fabric; BS4483; hard drawn plain round steel, welded; 500mm end and side laps as specified (no allowance in measurement for lapping); all in accordance with Engineers drawings and recommendations</u> Fabric size A393; strip foundations	20	m2			
	FORMWORK <u>Basic finish formwork for non-exposed concrete faces below ground; all in accordance with Architects / Engineer's drawings and specifications</u> Sides of foundations > 250mm < or = 500mm wide	70	m			

Description	Qty	Unit	Rate	€	c
PRECAST CONCRETE <u>Precast concrete capping; Standard: To BS 5642; Manufacturer: Submit proposal; Product reference: 100mm face x 150mm ridge precast capping or equivalent set full in mortar bed to top of boundary wall piers; Dimensions: As shown on drawings; Finish: to manufacturers standard; Mortar for bedding/ jointing: Cement gauged as section Z21; Standard: To BS EN 998-2; Mix: Group 2 (designation ii) cement:lime:sand; Additional requirements: To match adjoining masonry; Joints: Full and finished flush; Placement: Lay on a full bed of mortar to line and level; all installations in accordance with the manufacturer's instructions; all in accordance with Architects drawings and specifications</u> Copings (walls) 350mm wide x 150/100mm high	42	m			

	Description	Qty	Unit	Rate	€	c
	<u>BRICKWORK AND BLOCKWORK</u>					
	BLOCKWORK					
	<u>Blockwork: Standard solid masonry block.</u> <u>13N mean dry unit strength when tested on</u> <u>edge; in accordance with category 1 of</u> <u>I.S. EN 771-3 & I.S. EN 772-1;</u> <u>Configuration: Solid. Freeze/ Thaw</u> <u>resistance: Frost resistant. Recycled</u> <u>content: None permitted. Work sizes</u> <u>(length x width x height): 440 x 100 x 215</u> <u>mm (typical). Special shapes: Corner</u> <u>blocks or as shown on drawings; Mortar:</u> <u>refer to Engineers specification.</u> <u>Standards: refer to Engineers</u> <u>specification; Bond: stretcher Joints:</u> <u>Flush Contractor is to provide Declaration</u> <u>of Performance Certificate for all</u> <u>blockwork delivered to site in accordance</u> <u>with Engineers requirements. In particular</u> <u>all blockwork shall be free from the</u> <u>reactive form of pyrite and mica; all</u> <u>installation in accordance with the</u> <u>manufacturer's instructions; refer to</u> <u>Engineers drawings and specifications for</u> <u>further details</u>					
	Walls in trenches					
A	215mm thick	17	m2			
	Walls					
B	215mm thick	17	m2			
	Labours					
C	on blockwork		item			

	Description	Qty	Unit	Rate	€	c
	<u>Movement/ expansion joint in external site blockwork walls; suitably primed and mastic pointed sealant on cross linked flexible small closed cell medium density polyethylene backing; Ancon PPS (225) or equivalent ties at 450mm centres; including flexible beading in external plaster to one side; 20mm mastic pointing of joint; all in accordance with manufacturers instructions; all in accordance with Engineer's drawings and specifications</u> Movement joints					
A	215mm blockwall	25	m			
	ANCILLARIES TO BRICKWORK / BLOCKWORK					
	<u>I.S. 57, polythene 0.46mm thick or equivalent; bedding in cement lime sand mortar (1: 1: 6); 200mm laps</u> Damp proof courses; width					
B	< or = 225mm wide; horizontal	35	m			
	ROOFING, CLADDING AND WATERPROOFING					
	MASTIC ASPHALT, WATERPROOF AND GAS PROOF NON-METAL FLEXIBLE SHEET COVERINGS <u>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</u> Damp proofing					
C	vertical; width exceeding 300mm	17	m2			
D	vertical; width exceeding 300mm (other boundary types)	15	m2			
E	vertical; width exceeding 300mm (new extension)	1	m2			

	Description	Qty	Unit	Rate	€	c
	<u>FLOOR, WALL AND CEILING FINISHES</u>					
	<u>FINISHINGS</u>					
	<u>IN-SITU FINISHES</u>					
	<u>External render. Substrate: Concrete blockwork, as section F10. Preparation: Spatterdash keying coat; Scud Coat: wall surface to be covered with a single layer of 3-5mm thick scud coat; Undercoat: Undercoat thickness shall not exceed 12mm in thickness, undercoat(s) shall be combed to provide a sufficient key for the next coat; Final Coat: Final coat: Lime:sand:Ready Mix to IS EN 998-1:2016, Sand: to IS EN 13139:2002, Lime:sand manufacturer: Contractors Choice, Product reference : to be agreed, Mix (cement:lime:sand) - 1:1:4,5, Thickness: 8-10mm, Finish: Wood-float; Refer to elevation drawings. Sample panels to be erected on site for Architect's approval. Accessories: Stainless steel beads; resistance render mesh to all corners to opes; all instalaltions in accordance with Architects drawings and specifcations</u>					
	Walls; 20mm thick render					
A	width >300mm	17	m2			
	Plinth					
B	150mm	35	m			
	Bellcast					
C	150mm - 300mm	35	m			
	<u>Beading; stainless steel beading; TBS EN 10088-1, grade 1.4301; 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</u>					
	Sundries					
D	angle bead	7	m			
E	stop bead; plinth	48	m			

	Description	Qty	Unit	Rate	€	c
	<u>PAINTING AND DECORATING</u>					
	EXTERNAL PAINTING					
	<u>Masonry Coating To All External Rendered Walls; Manufacturer: Colourtrend; Product reference: Colourtrend external Wet Dash Render Masonry Paint; Surfaces: External walls; Preparation: Remove loose and spalled material and wash down; Initial coats: Type: As manufacturers recommendations; Number of coats: 1 coat; Finishing coats: roller applied; Type: as manufacture; Number of coats: Apply 2 coats by brush, roller, conventional spray or airless spray. Stir thoroughly before use; For conventional spray application, thin with up to 1 part clean water to 2.5 parts of paint; For airless spray application, thin with up to 1 part clean water to 5 parts of paint; for brush or roller application, thin with up to 1 part clean water to 10 parts of paint if required (do not exceed this dosage); allow a minimum drying time of 2-4 hours between coats (touch dry in 1-2 hours) in normal drying conditions. Do not apply on heated surfaces. Do not apply when the temperature is below 10°C or when there is a likelihood of rain, fog or frost; all in accordance with manufacturers instructions; all in accordance with Engineer's drawings and specifications</u>					
	Walls					
A	width >300mm	17	m2			
	General Surfaces					
B	> 300mm wide (wall/pillar cappings)	15	m2			

	Description	Qty	Unit	Rate	€	c
	<u>DRAINAGE TO SENSORY GARDEN PLANTER WALLS</u>					
	<u>DRAINAGE</u>					
	<u>BELOW GROUND</u>					
A	Notwithstanding the Provision of ARM 4 the following is measured as a composite item and includes all pipework; excavation, disposal, bed and surrounding and wrapping in geotextile membrane as detailed to retaining walls.		Note			
	<u>Drainage pipework, 100mm diameter uPVC perforated land drain pipe to be placed behind retaining walls; pipework to be top perforated only; geotextile wrap membrane 1000G and surrounded in pea gravel as required to surround pipe; jointing with push-fit ring seal coupler; connecting to storm drainage system including laying in permeable hardcore behind planter wall to 450mm high as detailed; all installations in accordance with manufacturer's instructions; all in accordance with Architect's/ Engineers drawings and specifications</u>					
	Pipes					
B	nominal diameter 100mm	35	m			
	<u>WORKS OUTSIDE THE SITE BOUNDARY</u>					
C	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			

	Description	Qty	Unit	Rate	€	c
A	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 trthroughout the works and it will be the responsibility of the contractor for maintaining access and liasing with property owners throught the works		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			
F	The Contratcor shall visit and liaise with the adjacent property owner(s) and notify them on when the works are going to proceed when modidying their existing boundary wall.		Item			
G	The Contractor shall visit the the property owner during the tender period in order to establish the order of works to be carried out.		Item			

	Description	Qty	Unit	Rate	€	c
A	The Contractor shall make good all existing finishes and boundaries to the adjacent property on completion of the works. Any damage to existing finishes and boundaries are to be made good at the Contractors own expense.		Item			
B	The Contractor shall maintain a clean work site/area for which the works to the existing property at all times.		Item			
C	The Contractor shall also include for all necessary temporary fencing/hoarding during the course of the works as necessary to complete the works safely.		Item			
	<u>DEMOLITION & ALTERATIONS</u>					
	DEMOLITION					
D	The Contractor is to dispose of all materials in accordance with all current environmental, waste and building regulations.		Note			
E	Demolition rubble to be disposed of to a suitably licensed facility.		Note			
	ALTERATIONS					
	<u>Demolish part of existing neighbouring property boundary blockwork wall; 2.1m high; include for demolishing blockwork wall, removing existing precast cappings, 450mm thick pier and grubbing up foundations; include for disposal off site; making good all existing boundaries and surface finishes on completion of the works</u>					
	Demolishing parts of structures					
F	existing 215mm thick blockwork boundary wall; 2100mm long with associated pier		item			

	Description	Qty	Unit	Rate	€	c
A	Demolish existing 450 x 450mm blockwork entrance pier; 2100mm high above ground blockwork piers; including concrete cappings; Grub up foundations, assume 1200 x 1200mm wide by 300mm deep with reinforcement, TOC 450mm below gr level; dispose off site and make good to all works disturbed; backfill excavations with Clause 804 hardcore; all in accordance with Architect's Drg Nr TR-01, TR-02 & Engineers drawings and specifications site entrance pier	1	nr			
B	Demolish part of existing neighbouring property boundary blockwork wall; 2.1m high to be reduced in height to 900mm max; include for lowering of blockwork wall and associated pier, removing existing precast cappings; include for disposal off site; making good all existing boundaries and surface finishes on completion of the works Demolishing parts of structures existing 215mm thick blockwork boundary wall; 3100mm long and associated 1 Nr. pier <u>EXCAVATION AND EARTHWORK</u> <u>EXCAVATION</u> <u>Excavating foundation trenches</u> <u>Excavation by mechanical means</u> Foundation trenches; depth		item			
C	< or = 2.00m	3	m3			
D	< or = 2.00m (piers)	3	m3			
E	<u>Disposal</u> surface water		Item			
F	ground water		Item			
G	excavated material; off site	6	m3			

	Description	Qty	Unit	Rate	€	c
	<u>Imported stone filling; 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</u> Filling: imported material to excavations; average thickness > 250mm	3	m3			
A						
	<u>CONCRETE WORKS</u> IN-SITU CONCRETE <u>Insitu concrete; grade C28/35; maximum aggregate size 20mm and minimum cement content 325kg/m3; 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</u> Foundation trenches					
B	poured on or against earth or unblinded hardcore	2	m3			
C	poured on or against earth or unblinded hardcore (piers)	2	m3			
	REINFORCEMENT <u>Reinforcement; fabric; BS4483; hard drawn plain round steel, welded; 500mm end and side laps as specified (no allowance in measurement for lapping); all in accordance with Engineers drawings and recommendations</u> Fabric					
D	size A393; strip foundations	5	m2			
E	size A393; strip foundations; piers	4	m2			

	Description	Qty	Unit	Rate	€	c
	FORMWORK					
	<u>Basic finish formwork for non-exposed concrete faces below ground; all in accordance with Architects / Engineer's drawings and specifications</u>					
	Sides of foundations					
A	> 250mm < or = 500mm wide	11	m			
B	> 250mm < or = 500mm wide (piers)	7	m			
	PRECAST CONCRETE					
	<u>Precast concrete cappings; cappings to match existing concrete cappings on existing wall being replaced/lowered; cappings to be bedded in mortar and also have mortar joints at centres as per existing concrete cappings; all installations in accordance with manufacturers instructions; all in accordance with Architects drawings and specifications</u>					
	Copings					
C	to match existing copings	6	m			
D	to match existing copings (piers)	3	nr			

	Description	Qty	Unit	Rate	€	c
	<u>BRICKWORK AND BLOCKWORK</u>					
	BLOCKWORK					
	Blockwork: Standard solid masonry block. 13N mean dry unit strength when tested on edge; in accordance with category 1 of I.S. EN 771-3 & I.S. EN 772-1; Configuration: Solid. Freeze/ Thaw resistance: Frost resistant. Recycled content: None permitted. Work sizes (length x width x height): 440 x 100 x 215 mm (typical). Special shapes: Corner blocks or as shown on drawings; Mortar: refer to Engineers specification. Standards: refer to Engineers specification; Bond: stretcher Joints: Flush Contractor is to provide Declaration of Performance Certificate for all blockwork delivered to site in accordance with Engineers requirements. In particular all blockwork shall be free from the reactive form of pyrite and mica; all installation in accordance with the manufacturer's instructions; refer to Engineers drawings and specifications for further details					
	Walls in trenches					
A	215mm thick	5	m2			
	Piers in trenches					
B	450mm thick	2	m2			
	Walls					
C	215mm thick	6	m2			
	Piers					
D	450mm thick	3	m2			
	Labours					
E	on blockwork		item			

	Description	Qty	Unit	Rate	€	c
	<u>Movement/ expansion joint in external site blockwork walls; suitably primed and mastic pointed sealant on cross linked flexible small closed cell medium density polyethylene backing; Ancon PPS (225) or equivalent ties at 450mm centres; including flexible beading in external plaster to one side; 20mm mastic pointing of joint; all in accordance with manufacturers instructions; all in accordance with Engineer's drawings and specifications</u> Movement joints 450mm blockwall (piers)	5	m			
A	ANCILLARIES TO BRICKWORK / BLOCKWORK					
	<u>I.S. 57, polythene 0.46mm thick or equivalent; bedding in cement lime sand mortar (1: 1: 6); 200mm laps</u> Damp proof courses; width					
B	< or = 225mm wide; horizontal	6	m			
C	width exceeding 225mm; horizontal	1	m2			

	Description	Qty	Unit	Rate	€	c
	<u>FLOOR, WALL AND CEILING FINISHES</u>					
	<u>FINISHINGS</u>					
	IN-SITU FINISHES					
	External render. Substrate: Concrete blockwork, as section F10. Preparation: Spatterdash keying coat; Scud Coat: wall surface to be covered with a single layer of 3-5mm thick scud coat; Undercoat: Undercoat thickness shall not exceed 12mm in thickness, undercoat(s) shall be combed to provide a sufficient key for the next coat; Final Coat: Final coat: Lime:sand:Ready Mix to IS EN 998-1:2016, Sand: to IS EN 13139:2002, Lime:sand manufacturer: Contractors Choice, Product reference : to be agreed, Mix (cement:lime:sand) - 1:1:4,5, Thickness: 8-10mm, Finish: Wood-float; Refer to elevation drawings. Sample panels to be erected on site for Architect's approval. Accessories: Stainless steel beads; resistance render mesh to all corners to opes; all instalaltions in accordance with Architects drawings and specifcations					
	Walls; 20mm thick render					
A	width < or = 300mm	1	m2			
B	width < or = 300mm (neighbouring side)	1	m2			
C	width >300mm	5	m2			
D	width >300mm (neighbouring side)	5	m2			
	Plinth					
E	150mm	7	m			
F	150mm (neighbouring side)	7	m			
	Bellcast					
G	150mm - 300mm	7	m			
H	150mm - 300mm (neighbouring side)	7	m			

T71101 Scoil Realt na Mara
Pricing Document
August 2026

To Collection €

	Description	Qty	Unit	Rate	€	c
	<u>PAINTING AND DECORATING</u>					
	EXTERNAL PAINTING					
	<u>Masonry Coating To All External Rendered Walls; Manufacturer: Colourtrend; Product reference: Colourtrend external Wet Dash Render Masonry Paint; Surfaces: External walls; Preparation: Remove loose and spalled material and wash down; Initial coats: Type: As manufacturers recommendations; Number of coats: 1 coat; Finishing coats: roller applied; Type: as manufacture; Number of coats: Apply 2 coats by brush, roller, conventional spray or airless spray. Stir thoroughly before use; For conventional spray application, thin with up to 1 part clean water to 2.5 parts of paint; For airless spray application, thin with up to 1 part clean water to 5 parts of paint; for brush or roller application, thin with up to 1 part clean water to 10 parts of paint if required (do not exceed this dosage); allow a minimum drying time of 2-4 hours between coats (touch dry in 1-2 hours) in normal drying conditions. Do not apply on heated surfaces. Do not apply when the temperature is below 10°C or when there is a likelihood of rain, fog or frost; all in accordance with manufacturers instructions; all in accordance with Engineer's drawings and specifications</u>					
	Walls					
A	width < or = 300mm	1	m2			
B	width < or = 300mm (neighbouring side)	1	m2			
C	width >300mm	5	m2			
D	width >300mm (neighbouring side)	5	m2			
	General Surfaces					
E	> 300mm wide (wall/pillar cappings)	4	m2			

Description		Qty	Unit	Rate	€	c
A	WORKS OUTSIDE THE BOUNDARY - GENERAL					
	Watching, Lighting and Protection					
	Provide all necessary watching, lighting and protection (barricading, steel plates etc.) in connection with foregoing Work Outside the Boundaries of the Site in Public Roadway; maintain the free flow of traffic (motor, cycle and pedestrian) include for temporary traffic control as necessary		item			
	(END OF WORK OUTSIDE THE BOUNDARY OF THE SITE)					

Description	Qty	Unit	Rate	€	c
COLLECTION					
Page No. BQ/454					
Page No. BQ/455					
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Page No. BQ/464					
Page No. BQ/465					
Page No. BQ/466					
Page No. BQ/467					
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Page No. BQ/469					
Page No. BQ/470					
Page No. BQ/471					
Page No. BQ/472					
Page No. BQ/473					
Page No. BQ/474					
Page No. BQ/475					
Page No. BQ/476					
Page No. BQ/477					

Description	Qty	Unit	Rate	€	c
COLLECTION					
Page No. BQ/478					
Page No. BQ/479					
Page No. BQ/480					
Page No. BQ/481					
Page No. BQ/482					
Page No. BQ/483					
Page No. BQ/484					
Page No. BQ/485					
Page No. BQ/486					
Page No. BQ/487					
Page No. BQ/488					
Page No. BQ/489					
Page No. BQ/490					
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					
EL (30) SITE ENCLOSURES					
Carried to Summary					

Description	Qty	Unit	Rate	€	c
<u>INFORMATION</u> 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. The Contractor shall allow for all testing as required in accordance with the Engineer's Specification and Drawings 4. Excavation to reduce levels is measured in Element (10) Prepared Site 5. Filling to achieve proposed formation levels is measured in Element (10) Prepared Site		Note Note Note Note Note			
<u>GENERAL</u> 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			

	Description	Qty	Unit	Rate	€	c
	<u>EXCAVATION AND EARTHWORKS</u>					
	EXCAVATION					
	<u>Imported stone filling; Clause 804 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</u>					
	Filling; hardcore; to make up levels					
A	to excavations; not exceeding 250mm thick	41	m3			
B	to excavations; exceeding 250mm thick	634	m3			
	<u>Imported stone filling; to SR 21 stone filling - T2; compacted in layers not 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</u>					
	Filling; hardcore; to make up levels					
C	to excavations; not exceeding 250mm thick	54	m3			
	<u>Hardcore; Capping Layer Class 6F1/6F2 sub-base material; mechanically compacting in layers not exceeding 200mm thick; all in accordance with Engineers drawings and specifications</u>					
	Filling: imported material					
D	to make up levels; average thickness not exceeding 250mm	477	m3			
	<u>Sharp sand blinding layer comprising screened limestone fines; compacted; all in accordance with Engineers drawings and specifications</u>					
	Surface treatments; blinding filling					
E	thickness 50mm	448	m2			

	Description	Qty	Unit	Rate	€	c
	<u>Sundries</u>					
	Separating materials					
A	The minimum lap dimensions shall be 200mm or in accordance with the suppliers details		Note			
B	combigrid geotextile layer/ membrane to SEN soft play areas; under soft play area, 1200g sheet material; all laying, lapping, wrapping and jointing in accordance with manufacturers instructions; all in accordance with Architects and Engineers drawings and specifications	178	m2			
C	combigrid geotextile layer/ membrane to paving areas; under preformed concrete paving slab areas, 1200g sheet material; all laying, lapping, wrapping and jointing in accordance with manufacturers instructions; all in accordance with Architects and Engineers drawings and specifications	14	m2			
	<u>CONCRETE WORKS</u>					
	<u>IN-SITU CONCRETE</u>					
	<u>Insitu concrete; grade C20/25; 5% air entrained concrete; 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</u>					
	Paths; reinforced					
D	thickness not exceeding 150mm	41	m3			
	Staircases; reinforced					
E	waist 250mm	2	m3			

	Description	Qty	Unit	Rate	€	c
	SUNDRIES					
	<u>Form 25mm deep groove in top surface of concrete paving to create contraction joint; fill groove with 20mm depth of two part polysulphide sealant; all in accordance with Architects and Engineers drawings and specifications</u>					
	Designed contraction joint; paths					
A	depth 150mm	74	m			
	Surface finishes					
B	trowelling; paths; 100mm wide	261	m			
C	trowelling; paths; 100mm wide (curved)	4	m			
D	brushed finish	271	m2			
	REINFORCEMENT					
	<u>Reinforcement; fabric; BS4483; hard drawn plain round steel, welded; 500mm end and side laps as specified (no allowance in measurement for lapping); all in accordance with Engineers drawings and recommendations</u>					
	Fabric; horizontal					
E	size A393; stairs	4	m2			
	FORMWORK					
	<u>Plain basic surface finish formwork to concrete; exposed finish in accordance with BS 8110; all in accordance with Engineers drawings and specifications</u>					
	Edges of beds					
F	height not exceeding 250mm; paths	114	m			
G	height not exceeding 250mm; paths (curved)	4	m			

	Description	Qty	Unit	Rate	€	c
	<u>Basic finish formwork for non-exposed concrete faces below ground; all in accordance with Architects/ Engineer's drawings and specifications</u> Stairflights 1nr flight; width 2800mm; waist 250mm; 3nr 250mm risers; cast against wall face on one side; formwork required to risers and string; stairs threads and risers curved; as per Architects and Engineers drawings	2	m			
A						
	DRAINAGE BELOW GROUND <u>ACO Fulboro Modular 2000 Series or equivalent heavy duty grate linear drainage channel; 150mm x 60mm deep; heelguard grating and locking device fitted in shop by manufacturer; Strictly in accordance with Consulting Structural Engineers Drawings & Specification; Standard: Compliant with Part M of the Building Regulations & Strictly in accordance with Engineers Drawings & Specification; System to be fully certified and to BS EN 1433:2022; Minimum load class A15 (15kN); Material: Concrete; Strictly in accordance with Consulting Structural Engineers Drawings & Specification; Alignment: Grating flush with finished surface; Bedding Material: 150mm thick C20/25 insitu concrete foundation and haunching; formwork as necessary; all installations in accordance with manufacturers printed instructions; all in accordance with Architects and Engineers drawings and specifications</u> Drainage Channel					
B	1250mm long	1	nr			
C	1800mm long	1	nr			
D	3700mm long	3	nr			
	<u>Extra over for</u>					
E	outlets	5	nr			
F	ends	10	nr			

	Description	Qty	Unit	Rate	€	c
	<u>SURFACE PAVING, FENCING AND LANDSCAPING</u>					
	IN-SITU SURFACE PAVINGS					
	<u>Asphalt concrete to BSEN13108-4; 40mm thick dense bitumen macadam wearing course with 10mm aggregate; on 60mm thick dense bitumen macadam binder course with 20mm aggregate; on 150mm thick asphalt concrete base course; base consists of Clause 804 compacted hardcore measured elsewhere; 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.</u>					
	Roads; entrance road					
A	thickness 200mm; laid to falls & cross falls	526	m2			
B	cut back existing tarmacadam & neatly jointing new to existing	7	m			

	Description	Qty	Unit	Rate	€	c
	<u>Asphalt concrete to BSEN13108-4; 40mm thick dense bitumen macadam wearing course with 10mm aggregate; on 60mm thick dense bitumen macadam binder course with 20mm aggregate; on 150mm thick asphalt concrete base course; base consists of Clause 804 compacted hardcore measured elsewhere; 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.</u> Pavings; set down area					
A	125mm thickness; falls and crossfalls	300	m2			
B	cut back existing tarmacadam & neatly jointing new to existing	55	m			
	<u>Painted thermoplastic road marking materials to ISEN1871 and BSEN1436; all in accordance with Department of Transport Traffic Signs Manual and Engineer Drawings and Specifications</u> Line markings; applied to asphalt paving					
C	width 150mm; continuous ; stop line RRM010	6	m			
D	width 100mm; continuous; bus stop line RRM030	8	m			
E	width 100mm; broken; bus stop line RRM030	30	m			
F	width 50mm; continuous; parking line RRM013	40	m			
G	width 50mm; continuous; parallel parking bay line RRM013	10	m			
H	disabled persons' parking bay symbol RRM015; size 2500x1200mm	1	nr			

	Description	Qty	Unit	Rate	€	c
A	width 50mm; 6000mm x 4800mm; 1 No. disabled persons' parking bay access cross hatch pattern; as per Architects drawings	1	nr			
B	width 50mm; 5000mm x 8500mm; painted yellow hatch pattern; as per Engineers Dwg C301-E	1	nr			
C	width 50mm; 14600mm x 2000mm; painted yellow hatch pattern; as per Engineers Dwg C301-E	1	nr			
	Letters and figures; applied to asphalt paving					
D	worded 'Visitor Parking' marking RRM010;	1	nr			
E	worded bus marking RRM030; letter height 1600mm	2	nr			
F	Note: Provision for 3 contrast colours and 1 base colour per yard		Note			
	<u>SEN Soft Play Areas; Porplastic Fun 40mm buildup (porous) on T770 / T777 Porplastic EDPM on T770 / T776 Porplastic SBR on Stone Base with Primer Porplastic P270; total thickness of system 40 - 45mm; test certificate according to DIN EN 1177: 2008; no gaps or trip to stumble over; critical falling height 1.30m; permeable; weather-resistant; long-lasting, hard wearing; hygienic, easy to clean; fixtures or fitting are integrated without joints or gaps; provide for variable surface modelling (structure) as per the site layout pattern details; all installations in accordance with manufacturers instructions; all in accordance with Architects drawings and specifications</u>					
	Play Surfaces					
G	over 300mm wide	160	m2			
	<u>Extra over</u>					
H	for 3 contract colours as per architects drawing number TR-20		item			

Description		Qty	Unit	Rate	€	c
PRE-FORMED PAVING AND EDGING UNITS						
<u>Precast concrete kerb. Standard: To BS EN 1340. Recycled content: Contractor's choice. Designations: EF Edging, flat top. Size (width x height x length): 225 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: C20/25 concrete haunch. Joints generally: Tooled mortar. Sealant movement joints: Not required. All in accordance with Architects drawings and specifications. Refer to engineers drawing C302 "typical Footpath and Road Construction" for further details and requirements</u>						
Kerbs						
A	225mm x 125mm (car park & access road)	139	m			
B	225mm x 125mm (footpath)	26	m			
C	225mm x 125mm; curved (car park & access road)	12	m			

	Description	Qty	Unit	Rate	€	c
	Precast concrete pin kerbing to BS 7263-3:2001; laid on edge; Recycled content: 20% (minimum) to BS EN ISO 1402; Designations: round top pink kerb; Size (width x height): 50 x 150mm; Special shapes: Dropper kerbs DL1 and DR1 to footway crossings and external radius kerbs; Finish: As cast; Colour: Natural. Bending strength: Class 2; Weathering resistance: Class 2. Abrasion resistance: Class 3. Slip/ skid resistance: PTV to BS EN 1340 40-74. Bedding: mortar bed M1 25mm thick; Joints generally: Dry, 2-3 mm gap; including concrete foundations and haunching as detailed on Engineers drawings; all in accordance with Architects and Engineers drawings and specification; refer to Engineer drawing C302 "Typical Footpath and Road Construction" for further details and requirements Kerbs (pin kerb) A generally B generally; curved	62	m			
	Preformed Concrete Paving - Concrete Block Pedestrian Paths/ Patios; Blocks: BS EN 1339:2003 Specification for concrete paving blocks; Manufacturer and reference: Tobermore Mayfair Slabs or equivalent; Size: 600 x 400 x 50mm; Colour mix/ pattern: Graphite (to be confirmed); Bond: stack bond of 2-5mm completely filled with kiln dried sand in accordance to BS 7533 Part 4:2006; Kerb: Concrete Kerb on concrete bed and haunching; Granular sub-base: 30mm laying course sand. Laid in accordance with BS7533 Part 4:2006; On 150mm Type 1 Granular material should be in accordance with clause 803 of the SHW and BS EN 7533:101:2021, on Prepared sub-base; Slip/ Skid resistance: PTV to BS 7976-2 of 49 (water) wet; all installations in accordance with manufacturers instructions; all in accordance with Architects drawings and specifications Pavings C thickness 50mm; falls and crossfalls	14	m2			

	Description	Qty	Unit	Rate	€	c
	Treads; including contrasting black delineation strip to nosing					
A	width 400mm; thickness 50mm (top & bottom); curved	2	m2			
B	width 450mm; thickness 50mm; curved	2	m2			
	Risers; plain					
C	height 250mm; thickness 50mm	9	m			
	<u>WORKS TO EXISTING BUIDLING</u>					
	<u>GENERAL</u>					
D	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			
	<u>EXCAVATION AND EARTHWORKS</u>					
	<u>EXCAVATION</u>					
	<u>Imported stone filling; to SR 21 stone filling - T2; compacted in layers not 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</u>					
E	Filling; hardcore; to make up levels to excavations; not exceeding 250mm thick	3	m3			

	Description	Qty	Unit	Rate	€	c
	<u>Sundries</u>					
	Separating materials					
A	The minimum lap dimensions shall be 200mm or in accordance with the suppliers details		Note			
B	combigrid geotextile layer/ membrane to paving areas; under preformed concrete paving slab areas, 1200g sheet material; all laying, lapping, wrapping and jointing in accordance with manufacturers instructions; all in accordance with Architects and Engineers drawings and specifications	12	m2			
	<u>DRAINAGE</u>					
	<u>DRAINAGE BELOW GROUND</u>					
	<u>ACO Fulboro Modular 2000 Series or equivalent heavy duty grate linear drainage channel; 150mm x 60mm deep; heelguard grating and locking device fitted in shop by manufacturer; Strictly in accordance with Consulting Structural Engineers Drawings & Specification; Standard: Compliant with Part M of the Building Regulations & Strictly in accordance with Engineers Drawings & Specification; System to be fully certified and to BS EN 1433:2022; Minimum load class A15 (15kN); Material: Concrete; Strictly in accordance with Consulting Structural Engineers Drawings & Specification; Alignment: Grating flush with finished surface; Bedding Material: 150mm thick C20/25 insitu concrete foundation and haunching; formwork as necessary; all installations in accordance with manufacturers printed instructions; all in accordance with Architects and Engineers drawings and specifications</u>					
	Drainage Channel					
C	2400mm long	1	nr			
	<u>Extra over for</u>					
D	outlets	1	nr			
E	ends	2	nr			

Description	Qty	Unit	Rate	€	c
<u>SURFACE PAVING, FENCING AND LANDSCAPING</u>					
PRE-FORMED PAVINGS AND EDGING UNITS					
<u>Preformed Concrete Paving - Concrete Block Pedestrian Paths/ Patios; Blocks: BS EN 1339:2003 Specification for concrete paving blocks; Manufacturer and reference: Tobermore Mayfair Slabs or equivalent; Size: 600 x 400 x 50mm; Colour mix/ pattern: Graphite (to be confirmed); Bond: stack bond of 2-5mm completely filled with kiln dried sand in accordance to BS 7533 Part 4:2006; Kerb: Concrete Kerb on concrete bed and haunching; Granular sub-base: 30mm laying course sand. Laid in accordance with BS7533 Part 4:2006; On 150mm Type 1 Granular material should be in accordance with clause 803 of the SHW and BS EN 7533:101:2021, on Prepared sub-base; Slip/ Skid resistance: PTV to BS 7976-2 of 49 (water) wet; all installations in accordance with manufacturers instructions; all in accordance with Architects drawings and specifications</u>					
Pavings thickness 50mm; falls and crossfalls (canopy area)	12	m2			

Description	Qty	Unit	Rate	€	c
COLLECTION					
Page No. BQ/501					
Page No. BQ/502					
Page No. BQ/503					
Page No. BQ/504					
Page No. BQ/505					
Page No. BQ/506					
Page No. BQ/507					
Page No. BQ/508					
Page No. BQ/509					
Page No. BQ/510					
Page No. BQ/511					
Page No. BQ/512					
Page No. BQ/513					
EL (40) ROADS, PATHS AND PAVINGS Carried to Summary					

	Description	Qty	Unit	Rate	€	c
	<u>INFORMATION</u>					
	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. Notwithstanding 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	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			

	Description	Qty	Unit	Rate	€	c
A	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			
B	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			
C	All works to be carried out in accordance with "Irish Water Code of Practice for Wastewater Infrastructure" and "Irish Wastewater Infrastructure Standard Details"		Item			
D	A continuous stainless steel wire/ strip shall be in place with the warning tape throughout		Note			
E	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			
F	<u>GAS MAIN</u> <u>MECHANICAL INSTALLATIONS</u> PIPEWORK <u>Gas pipework; 125mm diameter PE pipework; pipes 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</u> Pipes; in trenches					

	Description	Qty	Unit	Rate	€	c
A	nominal diameter 125mm <u>Extra over pipes on which they occur for</u> Fittings; 90 degree horizontal bend; in accordance with Engineer's drawings and specifications	122	m			
B	nominal diameter 125mm SUNDRIES AND BUILDERS WORK <u>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</u> 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	4	nr			
C	average depth of trench 500-1000mm Breaking up hard surfaces; public carriageway	122	m			
D	600mm wide strip of tarmacadam; thickness 200mm; saw-cutting along both sides of strip; reinstating to match existing <u>Dispose of water</u> Disposal	27	m			
E	surface water <u>Duct/pipe surround material comprising unwashed sand to BS882; obtained off site; well compacted around ducts/pipes; all in accordance with drawings and specifications</u> Beds and surrounds		Item			

	Description	Qty	Unit	Rate	€	c
A	width 500mm; thickness 325mm; 54mm nominal diameter <u>Gas tank raised plinth; provide for a reinforced concrete plinth for 2000kg gas tank; all for all excavation, disposal, hardcore, concrete, formwork etc to complete installations; backfilling with 100mm clause 804 hardcore granular fill compacted on C28/35 insitu concrete raised plinth, 150mm high ; 1nr horizontal layers of A139 steel mesh fabric reinforcement to plinth; basic finish formwork all in accordance with Engineers specification and drawings</u> Bases; gas tanks	122	m			
B	10000 x 3000 x 150mm plinth <u>Prepare complete set of as built drawings for completed gas main installation; all in accordance with Engineer's Specification</u> Preparing drawings of "as completed" installations	1	nr			
C	record drawings <u>Solenoid valve; gas valve to suite 54mm 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</u> Sundries; pipe accessories; valve		Item			
D	nominal diameter 32mm Connecting into existing	1	nr			
E	500 - 1000mm below existing ground level	1	nr			

	Description	Qty	Unit	Rate	€	c
	<u>FENCING [AROUND GAS COMPOUND]</u>					
	<u>SURFACE PAVING FENCING AND LANDSCAPING</u>					
	Weld mesh fencing Manufacturer: Contractor's choice. Product reference: Contractor's choice. Standard: To BS 1722- 14, category 1. Height: 1800 mm. Mesh and wire: Posts: Galvanized rectangular hollow section, cast into concrete base. Maximum centres of posts: 2.5 m all in accordance with Architect's drawings and specifications					
	Black weldmesh fencing					
A	1.8m high	24	m			
B	extra corners with struts as required	4	nr			
C	<u>extra for</u> single leaf gate opening outwards ; include for hinges & locking device [not self-locking]	2	nr			
	<u>HEAT PUMP</u>					
	<u>UNDERGROUND AIR TO WATER PIPEWORK</u>					
	<u>PIPEWORK</u>					
	Heat pump pipework; 125mm diameter PE pipework; pipes to 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					
	Pipes; in trenches					
D	nominal diameter 125mm	81	m			
	<u>Extra over pipes on which they occur for</u>					
	Fittings; 90 degree horizontal bend; in accordance with Engineer's drawings and specifications					
E	nominal diameter 125mm	3	nr			

	Description	Qty	Unit	Rate	€	c
	SUNDRIES AND BUILDERS WORK					
	<u>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</u>					
	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					
A	average depth of trench 500-1000mm	81	m			
	<u>Dispose of water</u>					
	Disposal					
B	ground water		Item			
C	surface water		Item			
	<u>Duct/pipe surround material comprising unwashed sand to BS882; obtained off site; well compacted around ducts/pipes; all in accordance with drawings and specifications</u>					
	Beds and surrounds					
D	230 x 230mm thick ; 90mm diameter pipe; heat pump	81	m			
	<u>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</u>					
	Sundries; pipe accessories; valve					
E	nominal diameter 32mm	1	nr			

	Description	Qty	Unit	Rate	€	c
	<u>Heat Pump concrete plinth; provide for a reinforced concrete plinth for heat pump; all for all excavation, disposal, hardcore, concrete, formwork etc to complete installations; backfilling with 100mm clause 804 hardcore granular fill compacted on C28/35 insitu concrete raised plinth, 125mm high ; 1nr horizontal layers of A193 steel mesh fabric reinforcement to plinth; basic finish formwork all in accordance with Engineers specification and drawings</u> Bases; heat pump 2800x1500x125mm plinth <u>Prepare complete set of as built drawings for completed gas main installation; all in accordance with Engineer's Specification</u> Preparing drawings of "as completed" installations record drawings	1	nr			
A						
B	<u>FENCING [AROUND GAS COMPOUND]</u> <u>SURFACE PAVING FENCING AND LANDSCAPING</u> <u>Weld mesh fencing Manufacturer: Contractor's choice. Product reference: Contractor's choice. Standard: To BS 1722-14, category 1. Height: 1800 mm. Mesh and wire: Posts: Galvanized rectangular hollow section, cast into concrete base. Maximum centres of posts: 2.5 m all in accordance with Architect's drawings and specifications</u> Black weld mesh fencing		Item			
C	1.8m high	20	m			
D	extra corners with struts as required	4	nr			
E	extra for single leaf gate opening outwards ; include for hinges & locking device [not self-locking]	2	nr			

	Description	Qty	Unit	Rate	€	c
	<u>SURFACE DRAINAGE</u>					
	<u>DRAINAGE</u>					
	DRAINAGE BELOW GROUND					
	<u>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</u>					
	Service trenches					
A	average depth of trench 500 - 1000mm; pipes not exceeding 250mm	190	m			
B	average depth of trench 1000 - 1500mm; pipes not exceeding 250mm	8	m			
	<u>Extra over</u>					
C	breaking up hard surfaces; concrete paved path; thickness 150mm; saw-cutting along both sides of strip; reinstating to match existing on completion; all in accordance with Architect's drawings and specifications; reinstate existing pavers on 50mm laying course material to BS EN 13242:2002. 200mm Granular 4/20mm coarse graded permeable angular crushed rock as per Table A.1 BS 7533-13 on Geotextile layer to CL 609	28	m			
	Disposal					
D	ground water		item			
E	surface water		Item			

	Description	Qty	Unit	Rate	€	c
A	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					
	900mm x 800mm thick; 150mm nominal diameter	66	m			
B	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 aggregate 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					
	900mm x 800mm thick; 150mm nominal diameter	131	m			
C	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					
	150mm nominal diameter	197	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					
D	Fittings					
	150mm nominal diameter	12	nr			

	Description	Qty	Unit	Rate	€	c
	<u>Precast concrete road gulley chamber; bed and surround in concrete 150mm thick</u> <u>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 drawing 0351-C303 Rev B & 0351-C300 I for further details</u> Pipe accessories					
A	road gullies	8	nr			
B	Proposed Infiltration Chamber to be designed to leave run off at pre development levels. To be constructed with 95% voids. All works in accordance with Engineers drawings and specifications; system to be submitted for approval by contractor prior to installations		Note			

	Description	Qty	Unit	Rate	€	c
	Graf or equilavent buried modular storm attenuation system complete ; unit size 19m3 (12m long x 4m wide x 0.4m deep) 230mm thick compacted base layer of 20-50mm clean angular stone; 100mm coarse sand base under units; embedment layer of 20-50mm clean angular stone to surround and cover chambers; stone porosity 40 percent; 150mm thick compacted initial fill layer of Clause 804 granular material Type 1; geotextile with minium tensile strength 8kN/m to be provide as seperation layer to coarse sand and surround units; end caps, isolator row, underdrains; manifolds, inspection chambers with D400 cast iron covers and insitu concrete support plinths as detailed; Inspection port detail; 100mm coarse sand base over units and surround; include for all necessary; excavation; disposal off site; minimum 750mm below ground level; backfilling; all installations in accordance with manufacturers instructions and all in accordance with Engineers drawings and specifications; refer to Engineers drawing C304 Rev.B for further details Attenuation tanks; proprietary units; backfilling with clause 808 hardcore					
A	system capacity 19m3; overall footprint L12mxW4m <u>Extra over for</u>	1	nr			
B	venting to attenuation tank; stainless steel vent cowl fixed to vent pipe, 150mm above ground; all installations in accordance with manufacturers instructions and guidelines	1	nr			
C	creation of a 500mm sump/ silt trap in Manhole; all installations in accordance with the manufacturer's instructions; refer to Engineers drawings for further details and requirements	1	nr			
D	Inspection shaft, GRAF Vario or equivalent, Vario 800 mm inspection shaft; including Vario 800 base, Vario Shaft 800 type 2, Vario 800 cover and extention sleeve	1	nr			

Description		Qty	Unit	Rate	€	c
<u>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;</u>						
Manhole						
A	< 500mm deep	2	nr			
B	500-1000mm deep	7	nr			
C	1000-1500mm deep	1	nr			
D	1000-1500mm deep (Hydrobrake)	1	nr			

	Description	Qty	Unit	Rate	€	c
A	<u>Extra over for</u>					
	Hydro-brake flow control device; contractor to allow for all works to complete same; design depth of 0.325m, new flow control to be achieved using a vortex flow control device or equivalent, design flow of 7.1 litres per second (calculations to be provide for approval prior to fabrication/ installation), product code: CTL-SHE-0133-7100-0325-7100 or equivalent, stainless steel construction, self - activating with no moving parts or power requirement, have a pass door in the event of blockages; hydrobrake fitted and alterations to manhole to restrict outflow; with non return valve provided; all installations in accordance with the manufacturer's instructions; refer to Engineers drawings number 0351-C306 Rev A for further details and requirements	1	nr			
B	<u>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</u>					
	Sundries 600mm covers	11	nr			

	Description	Qty	Unit	Rate	€	c
	<u>Connect new drainage pipe to existing manhole; excavation; break into existing manhole; cut out benching and form branch channel where necessary; provide any necessary pipe fittings; build in end of pipe; make good existing manhole; backfill excavation with clause 804 hardcore, copacted in layers not exceeding 150mm thick; provide for any necessary bypass pumping; all in accordance with Engineer's drawings and specifications</u> Mains; connections to mains; work to existing manholes					
A	connecting 100mm inner diameter pipe to surface water manhole S1; invert depth 11.6m	1	nr			
B	connecting 100mm inner diameter pipe to surface water manhole S5; invert depth 10.67m	1	nr			
	<u>Testing and commissioning</u>					
C	The contractor is to engage an engineer with professional indemnity insurance to supervise all air/water tests on sewer mains and watermains before backfilling.		Item			
D	Each test shall be witnessed and certified by the Contractors Engineer. The Contractor must notify the Council a few days prior to testing in order to give the Council the opportunity to visit site and supervise the testing		Note			
	Allow for testing as specified; refer to Engineers drawings and specifications for further details and requirements on testing					
E	Flushing - to clear all dirt, debris, or foreign matter that may have entered during pipe laying operations		Item			
F	Disinfection		Item			
G	Hydrostatic and Leakage Test		Item			
H	Completion Test		Item			
I	pressure test		Item			

	Description	Qty	Unit	Rate	€	c
A	CCTV survey		Item			
B	as-built drawings		Item			
	<u>FOUL DRAINAGE</u>					
	<u>DRAINAGE</u>					
	<u>DRAINAGE BELOW GROUND</u>					
	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					
C	average depth of trench 0-500mm; pipes not exceeding 250mm	67	m			
D	average depth of trench 500-1000mm; pipes not exceeding 250mm	36	m			
E	average depth of trench 1000 - 1500mm; pipes not exceeding 250mm	19	m			
F	average depth of trench 1500 - 2000mm; pipes not exceeding 250mm	48	m			
	<u>Extra over</u>					
G	breaking up rock; depth 500mm	19	m			
H	breaking up hard surfaces; concrete paved path; thickness 150mm; saw-cutting along both sides of strip; reinstating to match existing on completion; all in accordance with Architect's drawings and specifications; reinstate existing pavers on 50mm laying course material to BS EN 13242:2002. 200mm Granular 4/20mm coarse graded permeable angular crushed rock as per Table A.1 BS 7533-13 on Geotextile layer to CL 609	20	m			

	Description	Qty	Unit	Rate	€	c
	Disposal					
A	ground water		item			
B	surface water		Item			
	<u>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</u>					
	Beds and surrounds					
C	900mm x 800mm thick; 150mm nominal diameter	19	m			
	<u>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 aggregate 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</u>					
D	Beds and surrounds		mold			
E	750mm x 350mm thick; 150mm nominal diameter	150	m			
	<u>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</u>					
	Pipes					
F	150mm diameter pipe	169	m			

Description		Qty	Unit	Rate	€	c
A	<u>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</u>	8	nr			
	Fittings 150mm diameter pipe					
B	<u>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</u>	4	nr			
	Fittings 150mm diameter pipe					

	Description	Qty	Unit	Rate	€	c
	<u>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;</u> Manhole A < 500mm deep B 1000-1500mm deep C 1500-2000mm deep					

	Description	Qty	Unit	Rate	€	c
	<u>Cast iron manhole access covers and frames to comply with IS EN 124 and BS 7903;</u> <u>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</u>					
A	Sundries 600mm covers	8	nr			
	<u>Connect new drainage pipe to existing manhole; excavation; break into existing manhole; cut out benching and form branch channel where necessary; provide any necessary pipe fittings; build in end of pipe; make good existing manhole; backfill excavation with clause 804 hardcore, compacted in layers not exceeding 150mm thick; provide for any necessary bypass pumping; all in accordance with Engineer's drawings and specifications</u>					
B	Mains; connections to mains; work to existing manholes connecting 100mm inner diameter pipe to foul water manhole F5; invert depth 10.657m	1	nr			
C	connecting 100mm inner diameter pipe to foul water manhole F7; invert depth 10.066m	1	nr			

	Description	Qty	Unit	Rate	€	c
	<u>WATERMAIN</u>					
	<u>DRAINAGE</u>					
	DRAINAGE BELOW GROUND					
A	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			
	<u>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</u>					
	Service trenches					
B	average depth 500 - 1000mm; pipes not exceeding 250mm	101	m			
	Disposal					
C	ground water		Item			
D	surface water		Item			
	<u>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 aggregate 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</u>					
	Beds and surrounds					
E	500mm x 450mm thick; 50mm nominal diameter	101	m			

	Description	Qty	Unit	Rate	€	c
	<u>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</u> Pipes nominal diameter 50mm <u>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</u> Fittings nominal diameter 100mm <u>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</u> Fittings nominal diameter 100mm	101	m			
A						
B		2	nr			
C		2	nr			

	Description	Qty	Unit	Rate	€	c
	<u>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</u>					
A	pipe accessories <u>Extra over for</u>	2	nr			
B	dismantling valves <u>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</u> Meter Chamber	4	nr			
C	on line meter chamber <u>Extra over for</u>	1	nr			

	Description	Qty	Unit	Rate	€	c
A	dismantling valves <u>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</u>	2	nr			
B	pipe accessories <u>Extra over for</u>	1	nr			
C	dismantling valves <u>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</u> Concrete marker posts	2	nr			
D	for sluice valve	2	nr			
E	for hydrants	1	nr			
F	for meter <u>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</u> Indicator plates	1	nr			
G	for sluice valve	2	nr			
H	for hydrants	1	nr			
I	for meter	1	nr			

	Description	Qty	Unit	Rate	€	c
A	<u>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</u> Chambers thrust blocks; 90 degree horizontal bends; 100mm diameter pipe	1	nr			
	<u>Galvanised steel fire fighting water storage tank - 80,000litres capacity ; including all excavation; disposal, hardcore, concrete, formwork etc to complete installations; backfilling with clause 804 hardcore granular fill compacted in 150mm thick layers, all in accordance with Engineers specification and drawings</u> Chambers (tank) fire fighting tank (80,000 litres capacity)	1	nr			
	<u>Firefighting storage tank concrete plinth; provide for a reinforced concrete plinth for firefighter storage tank; all for all excavation, disposal, hardcore, concrete, formwork etc to complete installations; backfilling with clause 804 hardcore granular fill compacted in 150mm thick layers, 200mm thick; 50mm thick layer of grade C8/10 insitu concrete blinding; grade C32/40 insitu concrete raised plinth, 200mm high; including A393 steel mesh fabric reinforcement to plinth; basic finish formwork all in accordance with Engineers specification and drawings</u> Bases; Firefighter storage tank 6000mm x6000mm x 200mm thick plinth	1	nr			

	Description	Qty	Unit	Rate	€	c
	<u>Testing and commissioning</u>					
A	The contractor is to engage an engineer with professional indemnity insurance to supervise all air/water tests on sewer mains and watermains before backfilling.		Item			
B	Each test shall be witnessed and certified by the Contractors Engineer. The Contractor must notify the Council a few days prior to testing in order to give the Council the opportunity to visit site and supervise the testing		Note			
	Allow for testing as specified; 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	Disinfection		Item			
E	Hydrostatic and Leakage Test		Item			
F	Completion Test		Item			
G	pressure test		Item			
H	CCTV survey		Item			
I	as-built drawings		Item			
	<u>WASTEWATER TREATMENT PLANT & SAND POLISHING FILTER</u>					
	<u>GENERAL</u>					
J	Within the four weeks of the completion of installation and subsequent commissioning of the proposed effluent treatment system, the applicant / developer shall submit a certificate from a suitably qualified person, the holder of up to date professional indemnity insurance, the certificate shall include the following		Item			

	Description	Qty	Unit	Rate	€	c
A	Statement that the proprietary wastewater treatment unit, sand polishing filter and gravel distribution layer have been installed in accordance with the terms of the planning permission.		Item			
B	A statement that the proprietary wastewater treatment unit, polishing filter and gravel distribution layer have been installed in accordance with the Environmental Protection Agency Code of Practice "Wastewater Treatment and Disposal Systems Serving Single Houses (pe <10)".		Item			
C	A statement that the proprietary wastewater treatment unit and polishing filter have been installed in accordance with the manufacturer's instructions.		Item			
D	Photographs of all stages of the installation must be submitted.		Item			
E	The applicant, and any subsequent owner(s) of the development, shall undertake a maintenance or service contract for the ongoing maintenance of the packaged wastewater treatment unit and polishing filter with the manufacturer or such suitably qualified person in perpetuity		Item			
F	A maintenance contract for the effluent treatment system shall be entered into and paid in advance for a minimum period of five years form the date of the completion of installation and subsequent commission of the proposed effluent treatment system and thereafter shall be kept in place at all times. Signed and date copies of the contract shall be submitted to, and agreed with, the planning authority within four weeks of the date of the installation.		Item			
	<u>EXCAVATION AND EARTHWORK</u>					
	EXCAVATION					
	Reduced levels					
G	not exceeding 2.00m deep	400	m3			

	Description	Qty	Unit	Rate	€	c
	Disposal					
A	water ground		Item			
B	water surface		Item			
	Disposal; excavated material; off site in accordance with current regulations					
C	on site temporary spoil heaps for re-use	135	m3			
D	off site	265	m3			
	<u>Filling; with excavated material from on site spoil heaps; to make up levels to landscaped areas; compacting under imported topsoil to achieve required site levels (imported topsoil measured elsewhere); all in accordance with Engineers drawings and specifications</u>					
	Filling					
E	to make up levels; > 250mm	135	m3			
	<u>10mm graded gravel base to the underside of the sandcell filters all in accordance with engineers drawing and specification</u>					
	Filling					
F	to make up levels; > 250mm	98	m3			
	<u>DRAINAGE</u>					
	BELOW GROUND					
G	Notwithstanding the Provision of ARM 4 the following is measured as a composite item and includes all pipework; bed and surrounding and wrapping in geotextile membrane as detailed to retaining walls.		Note			

	Description	Qty	Unit	Rate	€	c
	<u>Drainage pipework, 100mm diameter ID perforated HDPE land drain pipe to be placed behind retaining walls to perimeter; pea gravel surround and geotextile wrap membrane as required to surround pipe; jointing with push-fit ring seal coupler; laying in permeable hardcore behind retaining wall; all installations in accordance with manufacturer's instructions; all in accordance with Engineers drawings and specifications; refer to Engineers drawing 0016 for further details</u> Pipes nominal diameter 100mm <u>Extra over</u> pipes on which they occur for; fittings	49	m			
A						
B	T- Junction : 100mm diameter pipe	1	nr			
C	Notwithstanding the provisions of ARM 4 the Wastewater Treatment Plant is measured as a composite item and deemed to include the supply and installation of all necessary chambers, hoists, pumps, connections etc as detailed on Engineers drawings and specification		Note			
D	All works to be carried out in accordance with "Irish Water Code of Practice for Wastewater Infrastructure" and "Irish Wastewater Infrastructure Standard Details"		Note			

	Description	Qty	Unit	Rate	€	c
	DRAINAGE BELOW GROUND					
	<u>Sandcel 6000lt or equilavent raised bed polishing filter - 13.8m long x 8.15m wide x 1 m deep ; with 32mm diameter pipework with 4.8mm orifice at 0.6mm centres; supported by GRP imperambel panels to side of filters ; with 150mm of sand underneath 75mm of pea gravel underneath 150mm of sand underneath 75mm of pea gravel underneath 200mm of sand underneath 150mm of distrubtion gravel ; including all excavation, disposal, backfilling and making good to complete installations; all installations in accordance with manufacturers instructions and details; all in accordance with Engineers drawings and specifications; refer to Engineers drawing C300 Rev I for further details and requirements</u>					
	Sandcell 6000lt filter					
A	generally	1	nr			
	<u>Extra over for</u>					
B	300mm deep gravel bed under modules	126	m3			
C	110mm diameter uPVC perforated infiltration pipes	80	m			
D	bends	20	nr			
E	ends	20	nr			
	<u>Tricel 2600L pumping chamber or equilavent include for backfilling and grading around same as detailed; all connections, sampling points etc. as necessary to be included; all installations in accordance with manufacturers instructions and details; all in accordance with Engineers drawings and specifications; refer to Engineers drawing C300 Rev I for further details and requirements</u>					
	Pumping Chamber					
F	generally	1	nr			

	Description	Qty	Unit	Rate	€	c
A	Mars 50002C or equilavent treatment Unit include for backfilling and grading around same as detailed; all connections, sampling points etc. as necessary to be included; all installations in accordance with manufacturers instructions and details; all in accordance with Engineers drawings and specifications; refer to Engineers drawing C300 Rev I for further details and requirements Treatment Unit generally	1	nr			
B	Tricel Fortis 7400 Settlement & buffer tank or equilavent treatment Unit include for backfilling and grading around same as detailed; all connections, sampling points etc. as necessary to be included; all installations in accordance with manufacturers instructions and details; all in accordance with Engineers drawings and specifications; refer to Engineers drawing C300 Rev I for further details and requirements Settlement and buffer tank generally	1	nr			
C	Tricel Fortis 7400 Settlement tank or equilavent treatment Unit include for backfilling and grading around same as detailed; all connections, sampling points etc. as necessary to be included; all installations in accordance with manufacturers instructions and details; all in accordance with Engineers drawings and specifications; refer to Engineers drawing C300 Rev I for further details and requirements Settlement Tank generally	1	nr			

	Description	Qty	Unit	Rate	€	c
	<u>Inspection Chambers; Precast concrete inspection chambers or insitu to Irish water details and standards; internal dimensions to be 600 x 600mm minimum; allow for all excavation, earthworks supports, disposal, backfilling with hardcore clause 804 as required; 75mm concrete grade C12/15 blinding to base, 225mm precast or reinforced in-situ concrete grade C25/30 concrete base as detailed; 50mm thick smooth cement : mortar (1:3); sand cement benching; largest channel 150mm; finish, chamber built in blockwork to IS En 771-3, 215mm thick 20N/mm² block walls; build up chamber for covers with 600mm diameter opening, making up levels in three courses of class B engineering bricks bedding and jointing in cement mortar (1:3) with opening left for 600mm diameter cast iron cover; include for all associated benchings, channels, rocker pipes and the like as necessary; allow average 2 No 150mm pipes inlets/ outlets & 1 No 110mm diameter inlet to each chamber; refer to Engineer's drawings for further details and requirements; refer to Engineers drawings further details and requirements</u> Manhole (Inspection Chamber)					
A	2000 - 2500mmmm deep (Settlement Tank)	1	nr			
	<u>Testing and commissioning</u>					
B	Each test shall be witnessed and certified by the Contractors Engineer. The Contractor must notify the Council a few days prior to testing in order to give the Council 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			

	Description	Qty	Unit	Rate	€	c
A	Visual inspection completion results of manholes		Item			
B	Air tests and water tests completion results for sewers		Item			
C	Hydrostatic and Leakage Test		Item			
D	air testing & infiltration testing		Item			
E	Completion Test		Item			
F	pressure test		Item			
G	CCTV survey		Item			
H	Manhole Condition Survey report in CD/DVD format and in hard copy format		Item			
I	Commissioning reports of wastewater infrastructure		Item			
J	as-built drawings		Item			
K	Provision of "As Constructed" record of service pipe installation completion (including link to WPRN) as per 1.7.7		Item			
	GRASSING AND PLANTING					
	<u>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;</u>					
	Topsoil; preserved					
L	finished depth 150mm	151	m2			
M	finished depth 200mm	70	m2			

	Description	Qty	Unit	Rate	€	c
	<u>TEMPORARY WORK</u>					
A	Note the contractor will have to facilitate or provide access to the temporary re-located oil tank contained within there compound area to allow access to the oil tank for refilling if necessary during the relevant phases of the works while this temporary oil supply is required.		item			
	THE FOLLOWING ARE WORKS ASSOCIATED WITH THE TEMPORARY RELOCATION OF THE EXISTING OIL TANK AND THE PROVISION OF A NEW TEMPORARY OIL LINE					
B	The General Contractor shall be fully responsible for the cost, design and safety of all temporary works.		Item			
C	All temporary works are to comply with BS5975:2008 and other relevant codes of practice		Item			
D	It is the responsibility of the contractor to prepare design for temporary works required. The contractors temporary works proposals (earthwork 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			
E	Temporary works designers are required to carry an appropriate level of PI Insurance		Item			
F	Construction methods, procedures and sequences are the contractors responsibility		Item			

	Description	Qty	Unit	Rate	€	c
A	The contractor shall include for temporary supports to the existing car park and road at the rear and side of the new building to facilitate the installation of the new concrete/ blockworks retaining walls, staircases, paths, removal of static underground tank etc. as necessary; refer to Engineers drawings and specifications for further details and requirements; The contractor shall allow for all design costs, installations and removal on completion of the temporary supports or any other costs associated with same		Item			
B	The contractor shall note that the removal of the existing oil tank, bund walls and associated oil line are measured in EL (10) Prepared Site		note			
	<u>DEMOLITION & ALTERNATIONS</u>					
	<u>ALTERATIONS</u>					
	<u>Decommission and remove off site the following site services; allow for backfilling on removal with lean mix concrete; 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</u>					
	Removing; Plumbing & Engineering					
C	Upon completion of the Phasing requirements, the contractor shall allow for the removal and safe disposal of the temporary relocated 2500L self bunded Oil tank by approved contractor, concrete plinth and associated bund walls; allow for emptying oil tank and safe disposal of same prior to commencing works and make good to grassed area upon completion		item			
D	temporary relocated oil pipe and associated fittings, excavate and remove temporary pipe and associated fittings; cap off existing pipework as required; allow for backfilling in lean mix-concrete to ground level; refer to Engineer's drawing JWPM 0351-C300 & C307-A for further details	32	m			

	Description	Qty	Unit	Rate	€	c
	<u>HEATING INSTALLATIONS</u>					
	<u>MECHANICAL INSTALLATIONS</u>					
	<u>PIPEWORK</u>					
	<u>25mm dia surface mounted oil supply line from temporary oil tank, to contractor design, location to existing boiler house (with limited sections of supply line to be routed underground where crossing footpaths); all in accordance with M&E drawing number M08/2488</u>					
A	Pipe Casing nominal diameter 25mm	2	m			
	<u>25mm dia oil supply line from temporary tank (re-routed underground), to contractor design, location to existing boiler house ; all in accordance with M&E drawing number M08/2488</u>					
B	Pipe Casing nominal diameter 25mm	35	m			
	<u>Extra over pipes on which they occur for</u>					
	<u>Fittings; 90 degree horizontal bend; in accordance with Engineer's drawings and specifications</u>					
C	nominal diameter 25mm	1	nr			
	<u>Fittings; 135 degree horizontal bend; in accordance with Engineer's drawings and specifications</u>					
D	nominal diameter 25mm	1	nr			

	Description	Qty	Unit	Rate	€	c
	SUNDRIES AND BUILDERS WORK					
	<u>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; laying of identification markers</u>					
	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					
A	average depth of trench 500-1000mm	2	m			
	<u>Extra over</u>					
B	breaking up hard surfaces; concrete paved path; thickness 150mm; saw-cutting along both sides of strip; reinstating to match existing on completion; all in accordance with Architect's drawings and specifications; reinstate existing pavers on 50mm laying course material to BS EN 13242:2002. 200mm Granular 4/20mm coarse graded permeable angular crushed rock as per Table A.1 BS 7533-13 on Geotextile layer to CL 609	2	m			
	<u>Dispose of water</u>					
	Disposal					
C	ground water		Item			
D	surface water		Item			
	<u>Duct/pipe surround material comprising unwashed sand to BS882; obtained off site; well compacted around ducts/pipes; all in accordance with drawings and specifications</u>					
	Beds and surrounds					
E	230 x 230mm thick ; 90mm diameter pipe	2	m			

	Description	Qty	Unit	Rate	€	c
A	<u>Forming or cutting holes for</u> Pipes; through wall 300mm overall thickness; 100mm thick concrete block inner leaf; 100mm thick cavity with 60mm board insulation; 100mm thick concrete block outer leaf; temperature resistant mastic between pipe and sleeve; grout between sleeve and wall nominal size 55 - 110mm; circular	1	nr			
	<u>Oil tank raised plinth; provide for a reinforced concrete plinth for Oil Tank; allow for all excavation, disposal, hardcore, concrete, formwork etc to complete installations; backfilling with 100mm clause 804 hardcore granular fill compacted on C28/35 insitu concrete base, 100mm high (base shall extend 300mm beyond the tank footprint on all sides); 1nr horizontal layers of A139 steel mesh fabric reinforcement to plinth; basic finish formwork all in accordance with Engineers specification and drawings</u> Bases; Oil tank 3000 x 3600 x 100mm base	1	nr			
B	<u>Prepare complete set of as built drawings for completed ; all in accordance with Engineer's Specification</u> Preparing drawings of "as completed" installations					
	record drawings		Item			
C						

Description	Qty	Unit	Rate	€	c
COLLECTION					
Page No. BQ/515					
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Page No. BQ/520					
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Description	Qty	Unit	Rate	€	c
COLLECTION					
Page No. BQ/539					
Page No. BQ/540					
Page No. BQ/541					
Page No. BQ/542					
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Page No. BQ/551					
EL (50) SITE SERVICES (PIPED AND DUCTED) Carried to Summary					

	Description	Qty	Unit	Rate	€	c
	<u>INFORMATION</u>					
	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 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	5. Notwithstanding 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	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			

	Description	Qty	Unit	Rate	€	c
A	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			
B	8. The Contractor shall refer to Architect's drawing for details of the restricted 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			
C	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			
	<u>ESB SUPPLY - UNDERGROUNDING OF EXISTING ESB SUPPLY</u>					
	<u>ELECTRICAL INSTALLATIONS</u>					
	<u>SUNDRIES AND BUILDERS WORK</u>					
	<u>Excavation draw pit for ESB cable , to be backfilled and surface to be reinstated before installation of ESB cable; all in accordance with Drawings and Specification</u>					
	Draw pits					
D	Size of draw pit 2000mm x 2000mm x 1000mm deep	1	nr			

	Description	Qty	Unit	Rate	€	c
	<u>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 material</u> 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	30	m			
	Disposal					
B	ground water		Item			
C	surface water		Item			
	<u>Duct surround material comprising unwashed sand to BS882; obtained off site; well compacted around ducts; all in accordance with drawings and specifications</u> Beds & surrounds					
D	260 x 260mm thick ; 125mm nominal diameter duct	30	m			
	<u>'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</u> Cable ducts					
E	125mm diameter	30	m			

	Description	Qty	Unit	Rate	€	c
	<u>Extra over ducts on which they occur</u>					
	<u>Adjustable bends; UPVC or equivalent duct bends to ESB Networks specification; laying, jointing and fixing in accordance with the manufacturers instructions</u>					
	Fitting					
A	125mm diameter	4	nr			
	<u>New ESBN minipillar complete with VC2 precast chamber, mini pillar to be installed level, mark flush with ground level and front face of minipillar flush with inside line of footpath, minipillar must be earthed to ESBN requirement; ll in accordance with Services Engineer's drawings specification</u>					
	Fittings					
B	ESB minipillar	2	nr			
	<u>Testing & Commissioning to be completed as specified in the Electrical Services Engineers Specification and as required by ESB Network guidelines</u>					
C	testing completed installation throughout construction and on completion; as specified		Item			

	Description	Qty	Unit	Rate	€	c
	<u>ELECTRICAL: (SEN GATES)</u> <u>POWER SUPPLY:</u> <u>ELECTRICAL INSTALLATIONS</u> SUNDRIES AND BUILDERS WORK <u>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 material</u> 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; multiple pipes; 2nr 50mm ducts Disposal B ground water C surface water <u>Duct surround material comprising unwashed sand to BS882; obtained off site; well compacted around ducts; all in accordance with drawings and specifications</u> Beds & surrounds D 260 x 260mm thick; multiple pipes; 2nr 50mm nominal diameter duct	21	m			
			Item			
			Item			
		21	m			

	Description	Qty	Unit	Rate	€	c
A	<u>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</u> Cable ducts 50mm diameter <u>Extra over ducts on which they occur for</u> Fittings; 90 degree horizontal bends; bed and surround; all in accordance with ESB duct bend standard detail	42	m			
B	nominal diameter of duct 50mm <u>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</u> Manhole	6	nr			
C	350 x 350mm <u>Testing & Commissioning to be completed as specified in the Electrical Services Engineers Specification and as required by ESB Network guidelines</u>	6	nr			
D	testing completed installation throughout construction and on completion; as specified		Item			

	Description	Qty	Unit	Rate	€	c
	<u>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</u> Cable ducts					
A	125mm diameter	139	m			
B	nominal diameter 50mm; short lengths not exceeding 3.00m; vertical; popups	5	m			
C	nominal diameter 125mm; short lengths not exceeding 3.00m; vertical; popups	1	m			
	<u>Adjustable bends; UPVC or equivalent duct bends to ESB Networks specification; laying, jointing and fixing in accordance with the manufacturers instructions</u> Fitting					
D	125mm diameter	6	nr			
	<u>Electrical drawpit chamber for site lighting and 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</u> Manhole					
E	600 mm x 800mm x 800mm deep	1	nr			

	Description	Qty	Unit	Rate	€	c
A	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	10	nr			
	Manhole 350 x 350mm					
	<u>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</u>					
B	Bases; micropillars Mini pillars	2	nr			
	<u>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</u>					
C	Bases; lighting column foundations 1000x1000x1000mm	5	nr			

	Description	Qty	Unit	Rate	€	c
A	<u>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</u> Installation only of lighting poles 6000mm	5	nr			
B	<u>Testing & Commissioning to be completed as specified in the Electrical Services Engineers Specification and as required by ESB Network guidelines</u> testing completed installation throughout construction and on completion; as specified		Item			
C	<u>ELECTRICAL: (ELECTRIC VEHICLE CHARGING STATION)</u> <u>ELECTRICAL INSTALLATIONS</u> SUNDRIES AND BUILDERS WORK <u>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</u> 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 average depth 500 - 1000mm ; pipe not exceeding 225mm nominal diameter Disposal	36	m			

	Description	Qty	Unit	Rate	€	c
A	ground water		Item			
B	surface water		Item			
	<u>Duct surround material comprising unwashed sand to BS882; obtained off site; well compacted around ducts; all in accordance with drawings and specifications</u>					
	Beds & surrounds					
C	260 x 260mm thick ; 125mm nominal diameter duct	36	m			
	<u>'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</u>					
	Cable ducts					
D	125mm diameter	36	m			
	<u>1500 x 1500 x 150mm concrete base; ESB approved chambers/ vaults for complete with walls, covers etc; 150mm thick cover slab complete with heavy duty cover and frame; 600 x 400 x 300mm thick base; 30N concrete; excavation; disposal; formwork; A142 mesh; (leave out section of footpath and complete same at a later stage); as specified; all in accordance with current ESB Networks specifications and guidelines; all in accordance with drawings and specifications</u>					
E	ESB mini-pillars	1	nr			

	Description	Qty	Unit	Rate	€	c
	ELECTRIC VEHICLE CHARGING STATION					
	<u>Dual outlet Electric Vehicle charging station</u>					
A	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 to EVC station; allow for a 25mm PVC coated flexible steel conduit from comms chamber to EVC station	1	nr			
	<u>ELECTRICAL: (POWER TO SANDCELLS)</u>					
	<u>POWER SUPPLY:</u>					
	<u>ELECTRICAL INSTALLATIONS</u>					
	SUNDRIES AND BUILDERS WORK					
	<u>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 material</u>					
	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	55	m			
	Disposal					
C	ground water		Item			

	Description	Qty	Unit	Rate	€	c
A	surface water Duct surround material comprising unwashed sand to BS882; obtained off site; well compacted around ducts; all in accordance with drawings and specifications Beds & surrounds		Item			
B	260 x 260mm thick ; 125mm nominal diameter duct 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	55	m			
C	125mm diameter <u>ELECTRICAL: (DEFIBILATOR)</u> <u>POWER SUPPLY:</u> <u>ELECTRICAL INSTALLATIONS</u> <u>SUNDRIES AND BUILDERS WORK</u> 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 material 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	55	m			
D	average depth 500 - 1000mm; pipe not exceeding 225mm nominal diameter	40	m			

	Description	Qty	Unit	Rate	€	c
	Disposal					
A	ground water		Item			
B	surface water		Item			
	<u>Duct surround material comprising unwashed sand to BS882; obtained off site; well compacted around ducts; all in accordance with drawings and specifications</u>					
	Beds & surrounds					
C	260 x 260mm thick; 125mm nominal diameter duct	40	m			
	<u>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</u>					
	Cable ducts					
D	125mm diameter	40	m			
	<u>Extra over ducts on which they occur</u>					
	<u>Adjustable bends; UPVC or equivalent duct bends to ESB Networks specification; laying, jointing and fixing in accordance with the manufacturers instructions</u>					
	Fitting					
E	125mm diameter	3	nr			

Description	Qty	Unit	Rate	€	c
COLLECTION Page No. BQ/554 Page No. BQ/555 Page No. BQ/556 Page No. BQ/557 Page No. BQ/558 Page No. BQ/559 Page No. BQ/560 Page No. BQ/561 Page No. BQ/562 Page No. BQ/563 Page No. BQ/564 Page No. BQ/565 Page No. BQ/566 Page No. BQ/567 EL (60) SITE SERVICES (MAINLY ELECTRICAL) Carried to Summary					

	Description	Qty	Unit	Rate	€	c
	<u>INFORMATION</u>					
A	1. The Contractor is advised that the Architect's drawings, Schedule of Works and Specifications (Works Requirements) are all complementary to each other and should be read in conjunction with one another		Note			
B	2. The contractor shall note the fill levels required and excavation required in stone filling		Note			
	<u>FITTINGS</u>					
	SITE FITTINGS, EQUIPMENT AND FURNITURE (GENERALLY)					
	<u>Cycle stands; Manufacturer: Omos, Product reference: s71 or equivalent cycle stand; Height 875mm, width 950mm, 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</u>					
	Cycle stands; baseplate fixed type; custom size					
C	width 950mm; height above ground 875mm	14	nr			
	<u>Fixed bollards. Fixed Heavy Duty Galvanized steel post and cast aluminium construction with black polyester powder coated finish - to match existing, like Deelee Bollard by IPL Group, or equal. Overall Height Of Post: 1000 mm. Diameter: 76 mm. Colour: Black. Reflective Strip: No. Material: Steel. Post Steel Thickness: 3 mm. Fixing Method: Into the ground using Cement; CE certification: provide evidence of CE marking or DoP to Harmonised Standards. All in accordance with Architects drawings and specifications.</u>					
	Site fittings					
D	bollards	4	nr			

	Description	Qty	Unit	Rate	€	c
A	Re-installation of existing bollards taken from on site storage, Fixing Method: Into the ground using Cement; CE certification: provide evidence of CE marking or DoP to Harmonised Standards. Include all excavation; disposal; reinforcement; concrete & formwork; all installations in accordance with manufacturers recommendations, Architects and Engineers drawings and specifications. Site fittings bollards	5	nr			
B	OK aluminium ground sleeve having pre-drilled holes to allow for 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 that 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; C25/30 insitu concrete pad foundation on 50mm thick concrete blinding, include all excavation; disposal; reinforcement; formwork; all installations in accordance with manufacturers recommendations ground sleeve setting into concrete base	1	nr			
C	Re-installation of existing flag pole taken from on site storage, flagpole to be set into new ground sleeve (measured elsewhere) Site fittings reinstallation of existing flag pole	1	nr			

	Description	Qty	Unit	Rate	€	c
	SITE FITTINGS (SIGNAGE)					
A	Contractor to allow for signage company design Input 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			
	<u>Signs; Wall mounted external directional signs on Aluminium plate; fixing and installation in accordance with manufacturers instructions; all in accordance with the Architects Signage drawing and specification; refer to Architect's Signage Schedule TR4105 for further details and specification for further details</u>					
F	size 240 x 180mm wall mounted external directional sign	2	nr			

Description	Qty	Unit	Rate	€	c
<u>External way finding sign; Post and Panel System. Anodized Aluminium Post and Panel Frame. Includes support poles, frame, display panel and fixings; 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 signage schedule TR4105 for further details</u> Signage; sign plates with double posts 1200 x 600mm above ground	2	nr			

	Description	Qty	Unit	Rate	€	c
	<u>INFORMATION</u>					
A	1. The Contractor is advised that the Architect's drawings, Schedule of Works and Specifications (Works Requirements) are all complementary to each other and should be read in conjunction with one another		Note			
B	2. The contractor shall note the fill levels required and excavation required in stone filling		Note			
	<u>SURFACE PAVING, FENCING AND LANDSCAPING</u>					
	<u>GRASSING AND PLANTING</u>					
	<u>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;</u>					
	Topsoil;					
C	finished depth 200mm; grassing areas	305	m2			
D	finished depth 550mm; grassing areas - (Planters)	15	m2			
	<u>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.</u>					
	Cultivating					
E	depth 200mm	305	m2			

	Description	Qty	Unit	Rate	€	c
	<u>Weedkiller spray applied in accordance with manufacturer's instructions</u>					
A	Surface applications; weeding of topsoil generally	305	m2			
	<u>Slow release fertiliser; apply 100g/m2; to Architect's Specification</u>					
B	Surface applications; fertiliser grassing areas; generally	305	m2			
	<u>General Amenity grass seed mix; sowing rate 35-50g/m2; scope as per Landscape Drawing 422011-TR-020 & Specification for further details & requirements</u>					
C	Seeding grassing areas; generally	305	m2			
D	finished depth 550mm; grassing areas - (Planters)	15	m2			
	<u>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</u>					
E	Tila cordata greenspire	4	nr			
F	Malus rudolph	7	nr			
	<u>Shrubs 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</u>					
G	Petula Pendula 12 - 14cmg - (Sensory Garden)	10	nr			
H	Shrubs - (Sensory garden)	5	nr			

	Description	Qty	Unit	Rate	€	c
	<u>Carry out all required maintenance operations from completion of planting until end of defects liability period (12 months) and there after for 12 months running period; mantain all planted and seeded areas; weeding by hand and chemical treatment as appropriate; remove and replace any failed plantings or breakage; straighten any leaning trees or stakes; fertilise all areas in spring and autumn; suficiently water all areas during any dry periods; all in accordance with Landscape Architect's Specification Section Q28, Q30 & Q31 and drawings and specifications</u> Maintenance for defects liability period; minimum duration 12 months					
A	generally		Item			
B	finished depth 550mm; grassing areas - (Planters)	15	m2			

Description	Qty	Unit	Rate	€	c
COLLECTION Page No. BQ/574 Page No. BQ/575 Page No. BQ/576 EL (80) LANDSCAPE, PLAY AREAS Carried to Summary					

Description	Qty	Unit	Rate	€	c
SUMMARY	Page No.				
EL (06+07) PRELIMINARIES + INSURANCES	BQ/131				
EL (14) DEMOLITIONS AND ALTERATIONS	BQ/140				
EL (19) SUBSTRUCTURE	BQ/173				
EL (21) EXTERNAL WALLS	BQ/190				
EL (22) INTERNAL WALLS	BQ/199				
EL (27) ROOFS	BQ/212				
EL (28) FRAMES	BQ/217				
EL (31) EXTERNAL WALL COMPLETIONS	BQ/272				
EL (32) INTERNAL WALL COMPLETIONS	BQ/316				
EL (35) SUSPENDED CEILINGS	BQ/328				
EL (37) ROOF COMPLETIONS	BQ/334				
EL (41) EXTERNAL WALL FINISHES	BQ/341				
EL (42) INTERNAL WALL FINISHES	BQ/351				
EL (43) FLOOR FINISHES	BQ/365				
EL (47) ROOF FINISHES	BQ/385				
EL (52) RAINWATER, SOILS AND WASTES	BQ/391				
EL (59) MECHANICAL INSTALLATIONS	BQ/401				
EL (69) ELECTRICAL INSTALLATIONS	BQ/412				
EL (74) SANITARY; HYGEINE FITTINGS	BQ/419				
EL (79) GENERAL FITTINGS	BQ/436				
EL (10) PREPARED SITE	BQ/450				
EL (20) SITE STRUCTURES (RELOCATED SHED BASE)	BQ/453				
EL (30) SITE ENCLOSURES	BQ/500				

Description	Qty	Unit	Rate	€	c
SUMMARY	Page No.				
EL (40) ROADS, PATHS AND PAVINGS	BQ/514				
EL (50) SITE SERVICES (PIPED AND DUCTED)	BQ/553				
EL (60) SITE SERVICES (MAINLY ELECTRICAL)	BQ/568				
EL (70) SITE FITTINGS	BQ/573				
EL (80) LANDSCAPE, PLAY AREAS	BQ/577				
TOTAL AMOUNT TO FORM OF TENDER					
Note: This Bill of Quantities contains pages numbered BQ/1 - BQ/577.					

Scoil Realt Na Mara –
General Summary

GENERAL SUMMARY

			€	c
A	<u>Amount from Pricing Documents:</u> Preliminaries School Building & Siteworks			
B	Subtotal			
C	Project Supervisor Construction Stage			
D	Bond			
	TOTAL SUM (Excluding VAT) FORWARD TO FORM OF TENDER	€		

**APPENDIX A –
MECHANICAL INSTALLATIONS PRICING DOCUMENT**

	DESCRIPTION	Qty	Unit	RATE	€	c
	<u>MECHANICAL SERVICES</u>					
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	Drawings: for all sections refer to the drawing lists in Section 4 of the specification		item			
5	Allow for works to be completed to suit the project phasing as detailed in MRG Drawing 422011-TR-22		item			
6	Allow for temporary relocation of existing oil tank to maintain supply to existing boiler during the works.		item			
7	Allow for decommissioning and safely disposing from site the existing oil tank, oil boiler and accessories associated with existing boiler room. As detailed on drawing M07/2488.M08		item			
8	Allow for decommissioning and safely disposing from site the existing equipment, oil boiler and accessories associated with existing plant room. As detailed on drawing M07/2488.M08		item			
9	Allow for disconnection and removal and safe disposal of all redundant mechanical plant and materials in the building.		item			
To Collection €						

	DESCRIPTION	Qty	Unit	RATE	€	c
	<u>Mechanical Site Services (Element 50)</u>					
	Supply and installation of LPG Tanks and associated gas supply pipework. Refer to mechanical specification sections 2.8 and associated section 3 clauses. Refer to mechanical drawings M08/2488.M08, M05 & MO6					
	<u>Primary Equipment</u>					
1	2000kg LPG Gas Tank in compound, On concrete base surrounded by pallisade fence.		item			
	<u>Accessories associated with Primary Equipment</u>					
2	LPG meter as specified; linked to BMS, mounted externally in ventilated enclosure; drawing M06; specification 2.4		item			
3	Gas /Solenoid Valve and enclosure	2	nr			
	<u>Distribution System</u>					
4	LPG distribution between external tank position to building entry point; above-ground sections to be steel medium weight BS 1387 with welded joints; below-ground sections to be polyethylene IS EN 1555 without joints; include electro-fusion adapters between steel and polyethylene sections; including all line valves and ancillaries; include final connections to tank; drawing M08/2488.M08, specification section 2.4 & 2.8		item			
	Note: Incoming mains water supply to the boilerhouse is measured in Civils works		note			
	<u>General Items</u>					
5	Liaison with and attendance upon the LPG gas shipper and utility provider; Specification 2.4, 3.17		item			
6	Test and commission gas pipework installation including new meter; specification 2.4, 3.12		item			
7	Flushing of pipework; specification 2.3, 2.5.5, 3.10 .		item			
8	Chemical cleaning & solids removal; specification 2.5.5		item			
9	Hydrostatic testing; specification 2.5.5		item			
10	Sterilisation; specification 2.5.5		item			
11	Operating & maintenance manuals; specification 3.22		item			
12	Fabrication drawings; specification 1.4		item			
13	Co-ordination drawings; specification 1.4		item			
14	As built drawings; specification 3.22		item			
15	Identification plates, labels etc. Specification 1.5, 3.19		item			
16	Fire-stop all service penetrations		item			
17	Sleeve pipework through walls		item			
18	Warranties; specification 1.3		item			
To Collection €						

	DESCRIPTION	Qty	Unit	RATE	€	c
	<u>Heating Centre (Element 51)</u>					
1	Plant Room installation comprising, boilers, Air Sourced Heat Pumps, BufferTanks, Pressurisation Set, Hot Water Vessel, Expansion Vessel, Headers, Pumps, Pipework, Valves, Controls and Insulation. Refer to mechanical specification section 2.1, 2.4 & 2.5. Refer to mechanical drawings M08/2488.M05 & MO6		item			
	<u>Primary Equipment</u>					
2	Air To Water Heat Pump, HP01, Located in external heat pump compound, DOMINO EXR 128 ZH Heat Pump or equal approved. Drawing M08/2488.M05, MO6 & M08; Specification 2.1; include pipework connections, mountings and accessories.	1	nr			
3	Gas Condensing BACK UP Boiler, GB01, located in boilerhouse; wall hung, 30 kW. Drawing M08/2488.M05 & MO6; Specification 2.1; include pipework connections, mountings and accessories.	1	nr			
4	Existing 110 kW oil boiler in existing boiler house to be replaced with 2 nr. New 65kW Wall Hung Gas Condensing Boilers with associated upgrades. Drawing M08/2488.M08; Specification 2.1; include pipework connections, mountings and accessories.	1	nr			
5	Buffer Tank V01, 300l located in boiler house, Drawing M08/2488.M05 & MO6; Specification 2.1; include pipework connections, mountings and accessories.	1	nr			
6	Hot Water Calorifier, V02, 200l, located in boilerhouse; bolted to floor; drawing M08/2488.M05 & MO6; Specification 2.3.4; include all specified mountings and accessories, expansion vessel, pressure & temperature relief valve, safety relief valve, check valve; immersion heaters; insulation jacket and protective casing	1	nr			
7	Expansion Vessels V03, V04,V05 50l located in boiler house, Drawing M08/2488.M05 & MO6; Specification 2.1; include pipework connections, mountings and accessories.	2	nr			
To Collection €						

	DESCRIPTION	Qty	Unit	RATE	€	c
1	Plate Heat Exchanger, HE1, 60kW. Drawing M08/2488.M05 & MO6; Specification 2.1; include pipework connections, mountings and accessories.	1	nr			
2	Pressurisation Unit, PU1, c/w break tank, pump , BMS connection, located in boiler house, Drawing M08/2488.M05 & MO6; Specification 2.1; include pipework connections, mountings and accessories.	1	nr			
3	Pressurisation Unit, PU2, c/w break tank, ump , BMS connection, located in boiler house, Drawing M08/2488.M05 & MO6; Specification 2.1; include pipework connections, mountings and accessories.	1	nr			
	Works To Existing Plant Room as detailed on M07/2488.M08					
4	Supply and installation of stainless steel twin walled flue complete with all accessories. Supply and installation of Ino. pressurisation unit complete with all accessories. Supply and installation of boiler house pipework, valves, heating circulation pumps, shunt pumps, booster pumps and all other equipment. Supply and installation of boiler house pipework and insulation. New Heat Exchanger complete with all accessories. Controls linking to existing. Installation of New supply and return Headers. New Gas detection system. Commissioning of the entire system upon completion.		item			
	<u>Ancillaries associated with Primary Equipment</u>					
5	Heating Circulating Pumps, P01, P02, P03, P04, P05 Variable Speed, located in boilerhouse; bolted to wall on fabricated brackets; Drawing M08/2488.M05 & MO6; Specification 2.1	5	nr			
6	Circulating Pumps, P08, P09, P10, Variable Speed, located in boilerhouse; bolted to wall on fabricated brackets; Drawing M08/2488.M05 & MO6; Specification 2.1	3	nr			
7	Low Loss Header; welded steel; PN10 welding flanged ends with matching blank flanges, gaskets, bolts, nuts, washers; welded swept branches; threaded sockets branch welded on; include automatic air vent and drain cock; include brackets bolted to wall; Drawings M08/2488.M05 & MO6; Specification 2.1	2	nr			
8	Isolating valve; including mating flanges and jointing	83	nr			
9	Non-Return valve; including mating flanges and jointing	14	nr			
10	Pressure Reducing Valve; including mating flanges and jointing	1	nr			
To Collection €						

	DESCRIPTION	Qty	Unit	RATE	€	c
1	Pressure Relief Valve; including mating flanges and jointing	4	nr			
2	Double Check Valve; including mating flanges and jointing	1	nr			
3	Double Regulating and Commisioning Valve; including mating flanges and jointing	1	nr			
4	Automatic Air Vent Valve; including mating flanges and jointing	1	nr			
5	Three Port Motorised Valve; including mating flanges and jointing	5	nr			
6	Drain Cock; including mating flanges and jointing	7	nr			
7	Strainer; including mating flanges and jointing	2	nr			
8	Flow Switch	1	nr			
9	Pocket Pressure Sensor	7	nr			
10	Pocket Temperature Sensor	30	nr			
11	Flow Sensor	1	nr			
12	Pressure and Temperature Guage	18	nr			
13	Anti-vibration Couplings	2	nr			
14	Water Hammer Arrestors	2	nr			
15	Complete flue installation to boiler; specification 2.1.2; Drawings M08/2488.M05 & MO6.		item			
	<u>Distribution System</u>					
16	Plantroom pipework distribution system; steel medium weight BS1387 with butt weld joints; welded fittings to BS 1965; including all line valves and ancillaries, expansion loops, supports. guides, anchors, drain cocks, air vents and the like; Drawings M08/2488.M05 & MO6; Specification 2.1		item			
17	ASHP distribution system; Qual PEX Plus Eco LTHW Heating Pipe, 100mm insulated and clad, installed in underground trench; including all line valves and ancillaries, expansion loops, supports. guides, anchors, drain cocks, air vents and the like; Drawings M08/2488.M06 & M08; Specification 2.1		item			
	<u>Insulation</u>					
18	Plantroom pipework insulation; mineral wool sections, foil faced; including working over all fittings; including working over small bore valves; including removable muffs on valves 65mm and larger; including aluminium sheet metal cladding in visible locations; seal all joints; specification 2.5.1.16 and 2.5.4		item			
To Collection €						

	DESCRIPTION	Qty	Unit	RATE	€	c
1	<u>Automatic Controls Installation</u> Building Management and Control System; specification 2.1.3 all parts; Drawings M08/2488.M03, M05, M06, M07, M08, M11; Main panel located in Plant Room, Remote panel located in Principal Office, system complete as described; wiring measured elsewhere		item			
	<u>General Items</u>					
2	Test and commission gas pipework installation including new meter; specification 2.4, 3.12		item			
3	Flushing of pipework; specification 2.3, 2.5.5, 3.10 .		item			
4	Chemical cleaning; specification 2.5.5		item			
5	Hydrostatic testing; specification 2.5.5		item			
6	Sterilisation; specification 2.5.5		item			
7	Operating & maintenance manuals; specification 3.22		item			
8	Fabrication drawings; specification 1.4		item			
9	Co-ordination drawings; specification 1.4		item			
10	As built drawings; specification 3.22		item			
11	Identification plates, labels etc. Specification 1.5, 3.19		item			
12	Fire-stop all service penetrations		item			
13	Sleeve pipework through walls		item			
14	Warranties; specification 1.3		item			
15	Painting of gas pipework; specification 2.4		item			
To Collection €						

	DESCRIPTION	Qty	Unit	RATE	€	c
	<u>Drainage & Refuse Disposal (Element 52)</u>					
1	Supply, installation and testing of all soils and wastes above ground from sanitary fittings in toilet areas, wet areas and kitchens for the building. Refer to mechanical specification section 2.2. Refer to mechanical drawings M08/2488.M01. Excludes rainwater drainage. Excludes below-slab and external drainage.		item			
	<u>Terminal Equipment and Fittings</u>					
	Floor outlets					
2	Large square heavy duty cast iron floor gulley suitable for plantroom areas; for installation in unfinished concrete floors; ductile cast iron grating grade EN-GJS-450-10 to EN 1536, sherardised finish, hinged, adjustable height, approximately 325mm x 325mm; cast iron body grade EN-GJL-200 to EN 1561, deep sump style, 100mm vertical bottom outlet, 2-part epoxy finish internally and externally; including removable bell style trap and silt trap; including suitable pipe adaptor as necessary to connect to below-ground drainage pipework; cast into concrete floor	2	nr			
	<u>Accessories associated with Terminal Equipment and Fittings</u>					
	WC pan connectors with adjustable angle outlet bends and matching branch fittings; including pan connector seals; assembled to suit the number of connected WCs and spacing between them to ensure requisite and uniform fall to pipe in compliance with building regulations technical guidance document H; including interconnecting pipework between branches; including pipe rings with nipple and backplate screwed to plasterboard wall					
4	110mm bent WC pan connector; including pan connector seal, with waste pipe drop to below	5	nr			
	Traps, Universal multi-fit type compression outlet to suit pipework					
5	40mm tubular or bottle to sink including anti-siphon device with waste pipe drop to below	6	nr			
6	32mm tubular or bottle to basin including anti-siphon device with waste pipe drop to below	4	nr			
7	40mm tubular to appliance including 600mm long standpipe on inlet	3	nr			
8	100mm with waste pipe drop to below	3	nr			
9	Soil Vent Pipe connecting to builders floor socket and terminating through roof c/w cowl.	4	nr			
To Collection €						

	DESCRIPTION	Qty	Unit	RATE	€	c
1	<u>Distribution System</u> 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 vent cowls		item			
2	Install all sanitary ware etc. (billed elsewhere) as indicated on mechanical drawing M08/2488.M01		item			
	<u>General Items</u>					
3	Inspect and Test in accordance with EN 12056-2:2000.		item			
4	Operating & maintenance manuals; specification 3.22		item			
5	Fabrication drawings; specification 1.4		item			
6	Co-ordination drawings; specification 1.4		item			
7	As built drawings; specification 3.22		item			
8	Identification plates, labels etc. Specification 1.5, 3.19		item			
9	Fire-stop all service penetrations		item			
10	Sleeve pipework through walls		item			
11	Warranties; specification 1.3		item			
12	Intumescent firesleeves or fire collars as specified		item			
To Collection €						

	DESCRIPTION	Qty	Unit	RATE	€	c
	<u>Water Distribution (Element 53)</u>					
1	Water services installation comprising water storage tank, Booster Set, Pumps, Pipework, Valves, Controls and Insulation. Refer to mechanical specification section 2.3. Refer to mechanical drawings M08/2488.M02, M05 & MO6.		item			
	<u>Primary Equipment</u>					
2	1000 litre potable cold water storage tank; specification 2.3.1.1.; Drawings M08/2488.M02, M05 & MO6; format 30; insulated; sectional hot-press moulded glass fibre; including all pipe connections, insect screens, mountings and accessories as described; erected on high level steel platform in tankroom. Allow access ladder for maintenance.	1	nr			
3	Drip tray to potable water tank, including overflow as indicated	1	nr			
4	Cold Water Booster Set, P06, P07, Variable Speed, located in boilerhouse; bolted to wall on fabricated brackets; Drawings M08/2488.M02, M05 & MO6.	1	nr			
5	Other items of Primary Equipment including hot water generator are measured in heating system section		note			
	<u>Accessories associated with Primary Equipment</u>					
6	Float valve for potable water tank; specification 3.12.6.9;	1	nr			
7	Inlet, outlet and drain valves set for potable water tank; specification 2.3.1.1.; Drawings M08/2488.M02, M05 & MO6		item			
8	Set of filters for potable water tank; specification 2.3.1.1.; Drawings M08/2488.M02, M05 & MO6		item			
9	Isolating valve; including mating flanges and jointing	5	nr			
10	Pressure Relief Valve; including mating flanges and jointing	1	nr			
11	Double Check Valve; including mating flanges and jointing	3	nr			
12	Three Port Motorised Valve; including mating flanges and jointing	3	nr			
13	Drain Cock; including mating flanges and jointing		nr			
14	Strainer; including mating flanges and jointing	1	nr			
15	Pocket Pressure Sensor	2	nr			
16	Pocket Temperature Sensor	2	nr			
17	Flow Sensor	1	nr			
18	Pressure and Temperature Gauge	1	nr			
19	Water Hammer Arrestors	1	nr			
20	Water Meter complete with Isolating Valves	6	nr			
To Collection €						

	DESCRIPTION	Qty	Unit	RATE	€	c
1	<u>Terminal Equipment and fittings</u> Make 15mm connection to appliance; specification 2.3.3.1, 2.3.2.1, 2.3.4.1; Drawings M08/2488.M02.	53	nr			
2	15mm thermostatic shower mixer; Drawings M08/2488.M02; including accessories as described; include isolating valves, single check valves and strainers	1	nr			
3	<u>Accessories associated with Terminal Equipment and fittings</u> Thermostatic blending valve; specification 2.5.3.3; Drawings M08/2488.M02; include isolating valves, single check valves and strainers	4	nr			
4	Miniature isolating valve at appliance; specification 2.3.1.1; drawings M08/2488.M02	53	nr			
5	<u>Distribution System</u> Mains water pipework distribution system; Alupex composite pipe; press-fit joints and fittings; including all line valves and ancillaries, expansion loops, supports, guides, anchors, drain cocks, air vents, sleeves and the like; drawings M08/2488.M02; specification 2.3.2		item			
6	Cold water pipework distribution system; copper table Y to BS 2871 Part 1; compression fittings and joints to BS 864; including all line valves and ancillaries, expansion loops, supports, guides, anchors, drain cocks, air vents, sleeves and the like; drawings M08/2488.M02; specification 2.3.1		item			
7	Hot water pipework distribution system; copper table Y to BS 2871 Part 1; compression or capillary fittings and joints to BS 864; including all line valves and ancillaries, expansion loops, supports, guides, anchors, drain cocks, air vents, sleeves and the like; including thermal balancing valves as Oventrop Aquastrom T-plus with thermometer as indicated; drawings M08/2488.M02; specification 2.3.4		item			
8	<u>Insulation</u> Insulation to cold, mains, hot and harvested rainwater pipework; specification 2.3.5; drawings M08/2488.M02; nitrile rubber sections; glued joints including working over all fittings; including insulation of all valves and the like; including two coats of paint as described		item			
To Collection €						

	DESCRIPTION	Qty	Unit	RATE	€	c
	<u>General Items</u>					
1	Test and commission gas pipework installation including new meter; specification 2.4, 3.12		item			
2	Flushing of pipework; specification 2.3, 2.5.5, 3.10 .		item			
3	Chemical cleaning; specification 2.5.5		item			
4	Hydrostatic testing; specification 2.5.5		item			
5	Sterilisation; specification 2.5.5		item			
6	Operating & maintenance manuals; specification 3.22		item			
7	Fabrication drawings; specification 1.4		item			
8	Co-ordination drawings; specification 1.4		item			
9	As built drawings; specification 3.22		item			
10	Identification plates, labels etc. Specification 1.5, 3.19		item			
11	Fire-stop all service penetrations		item			
12	Sleeve pipework through walls		item			
13	Warranties; specification 1.3		item			
14	Painting of gas pipework; specification 2.4		item			
To Collection €						

	DESCRIPTION	Qty	Unit	RATE	€	c
	<u>Gas Distribution (Element 54)</u>					
1	Gas distribution installation comprising, pipework, valves, outlets, knock off switches, proving systems. Refer to mechanical specification section 2.4. Refer to mechanical drawings M08/2488.M05 & MO6		item			
2	Boiler House Gas Safety System; located in boilerhouse; control panel, screwed to wall; gas detector; heat detectors, BMS interface; fire alarm interlock; 50mm BSP solenoid valve including ventilated enclosure for mounting externally on boilerhouse wall; with gas pressure proving system; emergency knock-off; 2no heat detectors; drawing M08/2488.M05 & MO6; Specification 2.4	1	nr			
3	Plant Room Gas Safety System; located in existing plant room; control panel, screwed to wall; gas detector; heat detectors, BMS interface; fire alarm interlock; 50mm BSP solenoid valve including ventilated enclosure for mounting externally on boilerhouse wall; with gas pressure proving system; emergency knock-off; 2no heat detectors; drawing M08/2488.M08; Specification 2.4	1	nr			
4	Gas & Carbon Monoxide Detection System; located in boilerhouse; control panel, screwed to wall; gas sensor, CO Sensor; Emergency stop button, slam shut valve fusable link, audible alarm. Drawing M08/2488.M05 & MO6; Specification 2.4	1	nr			
5	Gas & Carbon Monoxide Detection System; located in existing plant room; control panel, screwed to wall; gas sensor, CO Sensor; Emergency stop button, slam shut valve fusable link, audible alarm. Drawing M08/2488.M08; Specification 2.4	1	nr			
	<u>Accessories associated with Primary Equipment</u>					
6	Purge/test valve in pipe tee	3	nr			
	<u>Terminal equipment and fittings</u>					
7	Terminate gas pipework at boilers; 50mm BSP taper thread via union coupling	1	nr			
	<u>Distribution system</u>					
8	Gas pipework distribution system; steel medium weight BS1387 with thread connections up to 50mm; including all line valves and ancillaries; including pipe clips and hangers fixed to background; drawings M08/2488.M05, MO6 & M08; specification 2.4		item			
To Collection €						

	DESCRIPTION	Qty	Unit	RATE	€	c
	<u>General Items</u>					
1	Test and commission gas pipework installation including new meter; specification 2.4, 3.12		item			
2	Flushing of pipework; specification 2.3, 2.5.5, 3.10 .		item			
3	Chemical cleaning; specification 2.5.5		item			
4	Hydrostatic testing; specification 2.5.5		item			
5	Sterilisation; specification 2.5.5		item			
6	Operating & maintenance manuals; specification 3.22		item			
7	Fabrication drawings; specification 1.4		item			
8	Co-ordination drawings; specification 1.4		item			
9	As built drawings; specification 3.22		item			
10	Identification plates, labels etc. Specification 1.5, 3.19		item			
11	Fire-stop all service penetrations		item			
12	Sleeve pipework through walls		item			
13	Warranties; specification 1.3		item			
14	Painting of gas pipework; specification 2.4		item			
To Collection €						

	DESCRIPTION	Qty	Unit	RATE	€	c
	<u>Space Heating (Element 56)</u>					
1	Space Heating installation comprising L.P.H.W. heating system pipework and radiators providing heating to the school. Refer to mechanical specification section 2.5. Refer to mechanical drawings M08/2488.M03, M05 & M06.		item			
	<u>Terminal Equipment and fittings</u>					
	Radiators; specification 2.5.2.1; 1.5mm thick steel; 5.38 bar operating pressure; 4nr 15mm dia threaded pipe connectors; factory applied baked epoxy paint RAL 9016 white; include brackets screwed to wall; include air vent; include blank plug; (TBOE) include taking down and re-erecting twice after initial erection for decoration etc; types & sizes as listed on drawings M08/2488.M03					
2	RAD-01	1	nr			
3	RAD-02	1	nr			
4	RAD-03	1	nr			
5	RAD-04	1	nr			
6	RAD-05	1	nr			
7	RAD-06	1	nr			
8	RAD-07	1	nr			
9	RAD-08	1	nr			
10	RAD-09	1	nr			
11	RAD-10	1	nr			
12	RAD-11	1	nr			
13	RAD-12	1	nr			
14	RAD-13	1	nr			
15	RAD-14	1	nr			
16	RAD-15	1	nr			
17	RAD-16	1	nr			
18	RAD-17	1	nr			
19	RAD-18	1	nr			
20	RAD-19	1	nr			
21	RAD-20	1	nr			
22	RAD-21	1	nr			
23	RAD-22	1	nr			
24	RAD-23	1	nr			
25	RAD-24	1	nr			
26	RAD-25	1	nr			
27	RAD-26	1	nr			
28	RAD-27	1	nr			
29	RAD-28	1	nr			
30	RAD-29	1	nr			
31	RAD-30	1	nr			
To Collection €						

	DESCRIPTION	Qty	Unit	RATE	€	c
1	2-port motorised control valve specification 2.1.3.3; drawings M08/2488.M03	2	nr			
2	3-port motorised control valve specification 2.1.3.3; drawings M08/2488.M03	3	nr			
3	Radiator Heating manifolds, nickel plated comprising of isolating valves, temperature gauges, flowmetres, pre-assembled brackets, drain valve and air vent. Specification 2.5.1.7; drawings M08/2488.M03	3	nr			
	<u>Accessories associated with Terminal Equipment and fittings</u>					
4	Room temperature sensor; specification 2.1.3.3	18	nr			
5	Thermostatic radiator valve; specification 2.5.3.3	30	nr			
6	radiator isolating valve 2.5.3.2	30	nr			
7	radiator lockshield valve 2.5.3.2	30	nr			
	<u>Distribution System</u>					
8	Heating pipework distribution system; steel medium weight BS1387 with butt weld joints; welded fittings to BS 1965; including all line valves and ancillaries, expansion loops, supports, guides, anchors, drain cocks, air vents and the like; M08/2488.M03; specification 2.5.1		item			
9	Underfloor Heating pipework distribution system; Pipework shall be 15mm Qual-Pex barrier pipe to 'BS 7291 class S'; M08/2488.M03; specification 2.5.1.7		item			
10	New heating pipework to connect to existing 2022 building circuit		item			
11	New heating pipework to connect to existing 1986 building heating circuit		item			
12	New heating pipework to connect to existing post 2000 building heating circuit. Disconnect existing pipework from the single pipe system serving the 1986 building		item			
	<u>Insulation</u>					
10	Heating pipework insulation; mineral wool sections, foil faced; including working over all fittings; including working over small bore valves; including removable muffins on valves 65mm and larger; including aluminium sheet metal cladding in visible locations; seal all joints; specification 2.5.1.16 and 2.5.4		item			
To Collection €						

	DESCRIPTION	Qty	Unit	RATE	€	c
	<u>General Items</u>					
1	Test and commission gas pipework installation including new meter; specification 2.4, 3.12		item			
2	Flushing of pipework; specification 2.3, 2.5.5, 3.10 .		item			
3	Chemical cleaning; specification 2.5.5		item			
4	Hydrostatic testing; specification 2.5.5		item			
5	Sterilisation; specification 2.5.5		item			
6	Operating & maintenance manuals; specification 3.22		item			
7	Fabrication drawings; specification 1.4		item			
8	Co-ordination drawings; specification 1.4		item			
9	As built drawings; specification 3.22		item			
10	Identification plates, labels etc. Specification 1.5, 3.19		item			
11	Fire-stop all service penetrations		item			
12	Sleeve pipework through walls		item			
13	Warranties; specification 1.3		item			
14	Painting of gas pipework; specification 2.4		item			
To Collection €						

	DESCRIPTION	Qty	Unit	RATE	€	c
	<u>Ventilation and Air Conditioning (Element 57)</u>					
1	Ventilation installation comprising extract fans, Heat recovery units, ductwork, grilles, terminals etc. Refer to mechanical specification section 2.6. Refer to mechanical drawings M08/2488.M04 & MO6.		item			
	<u>Primary Equipment</u>					
	Fans as specification 2.6.2 and 3.11.5; Drawings M08/2488.M04 & MO6.; including all accessories, dampers, wall terminal, ceiling grilles, PIR's, thermostats and local controls as described; including supports etc					
2	100mm inline extract fan, c/w backdraught shutter, and run on timer controlled by light switch, EF1, EF2, EF5, EF7	4	nr			
3	100mm inline extract fan, c/w backdraught shutter, and run on timer controlled by thermostat, EF3	1	nr			
4	150mm inline extract fan, c/w backdraught shutter, and run on timer controlled by light switch, EF4, EF6	2	nr			
5	Cooker Hood, c/w speed controller, light, grease filter, EF8	1	nr			
6	Plant Room wall mounted extract fan controlled by temperature stat.	1	nr			
	Mechanical Ventilation Heat Recovery Units (MVHR) as specification 2.6.1 and 3.11.5; Drawing M08/2488.M04.; including all accessories, dampers, wall terminal, ceiling grilles and local controls as described; including supports etc					
7	Airmaster 1000, HRU1, HRU2, HRU3	3	nr			
8	Airmaster 500, HRU4	1	nr			
9	Airmaster 150, HRU5	1	nr			
	<u>Terminal equipment and fittings</u>					
	Passive intake duct as specification 2.6.1, 2.6.2 and 3.11.5; Drawing M08/2488.M04; including all accessories, dampers, fire dampers, wall terminal, ceiling grille and local controls as described; including supports etc					
10	100mm dia	1	nr			
11	150mm dia	2	nr			
12	200mm dia	1	nr			
To Collection €						

	DESCRIPTION	Qty	Unit	RATE	€	c
1	<u>Distribution systems</u> Galvanised sheet steel ductwork to all installations; specification 3.11; Drawings M08/2488.M04 & M06; 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	<u>Insulation</u> Insulation to ductwork where required; mineral wool, foil faced; taped joints; including working over fittings and around supports		item			
3	<u>General</u> Operating & maintenance manuals; specification 3.22		item			
4	Fabrication drawings; specification 1.4		item			
5	Co-ordination drawings; specification 1.4		item			
6	As built drawings; specification 3.22		item			
7	Identification plates, labels etc. Specification 1.5, 3.19		item			
8	Fire-stop all service penetrations		item			
9	Sleeve pipework through walls		item			
10	Warranties; specification 1.3		item			
To Collection €						

	DESCRIPTION	Qty	Unit	RATE	€	c
	<u>Other Services(Element 58)</u>					
1	Supply and installation of fire extinguishers and fire blankets as shown on the enquiry drawings. Refer to mechanical specification section 272. Refer to mechanical drawings M08/2488.M04		item			
	<u>Fire Protective Services</u>					
	Supply and fit portable fire fighting appliances as specification 2.7.1 and Drawing M08/2488.M04; including brackets screwed to wall		note			
1	Wall Mounted Fire Extinguisher, 2kg carbon dioxide	4	nr			
2	Wall Mounted Fire Extinguisher, 6 litre Water	4	nr			
3	Fire Blanket	1	nr			
	<u>General</u>					
4	Test & commission as specification		item			
5	Operating & maintenance manuals as specification		item			
6	Working drawings as specification		item			
7	Coordination drawings as specification		item			
8	As built (record) drawings as specification		item			
9	Plant identification plates as specification		item			
10	Warranties; specification 1.3		item			
To Collection €						

	DESCRIPTION	Qty	Unit	RATE	€	c
	<u>Sundry General Items (refer to specification clauses stated)</u>					
1	Allow for disconnection and removal and safe disposal of all mechanical plant in the building including flues, redundant radiators, plant room		item			
2	1.2 introduction		item			
3	1.3 warranty		item			
4	1.4 design exclusions		item			
5	Section 3:					
6	general specification		item			
7	introduction		item			
8	access		item			
9	sample installations		item			
10	3.1.1 materials		item			
11	3.2 plant		item			
12	3.3 storage		item			
13	3.4 setting out		item			
14	3.5 building protection		item			
15	3.6 pipework generally		item			
16	3.7 fitting of copper pipework		item			
17	3.8 expansion		item			
18	3.9 hydrostatic testing		item			
19	3.10 flushing out pipework		item			
20	3.11 fan & ductwork installations		item			
21	3.12 testing & commissioning		item			
22	3.13 electrical work		item			
23	3.14 protection of the installation against damage		item			
24	3.15 completion		item			
25	3.16 operating instructions		item			
26	3.17 utilities providers		item			
27	3.18 painting		item			
28	3.19 labels and identification		item			
29	3.20 spares and tools		item			
30	3.21 schedules and charts		item			
31	3.22 operating and maintenance manuals		item			
32	Builders work in association with the mechanical services installations		item			
33	Fire stopping and other associated fire protection work if not already accounted for in individual work sections.		item			
To Collection €						

collection

**APPENDIX B –
ELECTRICAL INSTALLATIONS PRICING DOCUMENT**

	DESCRIPTION	Qty	Unit	RATE	€	c
	<u>ELECTRICAL SERVICES</u>					
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 be 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	Drawings: for all sections refer to the drawing lists in Section 4 of the specification		item			
5	Allow for works to be completed to suit the project phasing as detailed in MRG Drawing 422011-TR-22		item			
6	Allow for disconnection and removal and safe disposal of all redundant electrical plant and materials in the building.		item			
To Collection €						

	DESCRIPTION	Qty	Unit	RATE	€	c
	SUPPLY AND MAINS DISTRIBUTION (Element 61)					
1	Low voltage swithgear and cable distribution system comprising, incoming main cables, main switchboard, sub mains cables and sub distribution boards or control panels throughout the building. Refer to electrical specification sections 2.1 and associated section 3 clauses. Refer to electrical drawings E07/2488.E01, E02, E06 & E10		item			
	<u>Equipment</u>					
2	Supply, erect & connect ESB CT metering enclosure, complete with Main MCCB, located external to boiler house as detailed on the site layout drawing E07/2488.E07.	1	nr.			
3	Supply, erect & connect complete with surge arrestor, switchfuses, mccb's, elcb's, mcb's, contactors, emergency lighting contactors & CTU, rcbo's, MODbus metering etc. Main Sub Distribution Board MDB, located in the Electrical Room as detailed on the Drawing, E07/2488.E10. Fixed to timber backboard with woodscrews.	1	nr.			
4	Existing School MDB to become SDB 1. To be modified to include MODbus metering, surge arrestors as detailed on drg E07/2488.E10	1	nr.			
5	Supply, erect & connect complete with switchfuses, mcb's, contactors, rcbo's, MODbus metering, surge arrestors, emergency lighting contactors & CTU, lighting control equipment etc. Sub Distribution Board SDB 2, located in the Plant Room as detailed on the Drawing, E07/2488.E10. Fixed to timber backboard with woodscrews.	1	nr.			
6	Supply, erect & connect complete with switchfuses, mcb's, contactors, rcbo's, MODbus metering, surge arrestors, emergency lighting contactors & CTU, lighting control equipment etc. Sub Distribution Board SDB 3, located in the CommsRoom as detailed on the Drawing, E07/2488.E10. Fixed to timber backboard with woodscrews.	1	nr.			
7	Supply, erect & connect complete with switchfuses, mcb's, contactors, rcbo's, MODbus metering, surge arrestors, emergency lighting contactors & CTU, lighting control equipment etc. Sub Distribution Board SDB 4, located in the Exisiting Plant Room as detailed on the Drawing, E07/2488.E10. Fixed to timber backboard with woodscrews.	1	nr.			
To Collection €						

	DESCRIPTION	Qty	Unit	RATE	€	c
	<u>Mains and Sub Mains Cables</u>					
1	Sub Mains Cables, PVC insulation, SWA, PVC 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 Drawings, E07/2488.E01, E06, E07 & E10.		note			
2	From ESB Meter cabinet to Main Switchboard, MDB		item			
3	From new main switchboard to SDB 1, SDB 2, SDB 3, SDB 4 and MCC		item			
4	From existing main distribution board to New Extension MDB		item			
	<u>Cable Ladder/Tray/Trunking Installations</u>					
5	Cable containment installation comprising, 3 compartment dado trunking, cable tray, cable basket and 3 compartment cable trunking. Refer to electrical specification section 3 clauses. Refer to electrical drawings E07/2488.E01, E07/2488.E06 & E07/2488.E09		item			
	<u>Earthing and Bonding Installation</u>					
6	Main earthing installation, earth bars, earth cables, glands etc. Refer to electrical specification sections 2.1 and associated section 3 clauses. Refer to electrical drawings E07/2488.E01, E07/2488.E06, E07/2488.E09 & E07/2488.E10		item			
	<u>Equipment</u>					
7	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			
	<u>Earth Cables</u>					
8	Earth Cables, LSF insulation, run in steel trunking and galvanised steel conduit. As detailed on the Drawing, E07/2488.E10.		note			
9	50 mm ² From new main switchboard to earth bar		item			
10	120mm ² from earth bar to Earth Pits		item			
11	10mm ² from earth bar to piped services, structural steel, ductwork, lightning protection etc.		item			
To Collection €						

	DESCRIPTION	Qty	Unit	RATE	€	c
	<u>General</u>					
1	Co-ordination of incoming electrical supplies from ESB.		item			
2	Co-ordination of incoming telephone supplies from Eircom.		item			
3	Testing & commissioning as specification Section 3		item			
4	Operating & maintenance manuals as specification Section 3		item			
5	Working drawings as specification Section 3		item			
6	Coordination drawings as specification Section 3		item			
7	As built (record) drawings as specification Section 3		item			
8	Identification labels as specification Section 3		item			
9	Firestopping as specification Section 3		item			
To Collection €						

	DESCRIPTION	Qty	Unit	RATE	€	c
	POWER (Element 62)					
1	Socket Outlets, Fused Connection Units, isolators, final circuit cabling, final circuit containment etc. Refer to electrical specification sections 2.2 and associated section 3 clauses. Refer to electrical drawings E07/2488.E01, E07/2488.E07 & E07/2488.E12 <u>Accessories</u> Supply, erect and connect electrical accessories and fittings to wiring points. For full fittings specification refer to Drawing E07/2488.E01, E07/2488.E07 & E07/2488.E12.		item			
2	Twin switched socket outlet - metalclad	54	nr			
3	Twin switched socket outlet - IP65 -RED	3	nr			
4	Twin switched socket outlet - white, high gloss, high quality thermoset material	20	nr			
5	Single switched socket outlet - white, high gloss, high quality thermoset material	22	nr			
6	13A switched fused spur outlet - metalclad c/w neon light	100	nr			
7	13A switched fused spur outlet- white, high gloss, high quality thermoset material	2	nr			
8	13A unswitched fused spur outlet – metalclad c/w neon light	2	nr			
9	45A switched isolator outlet- (cooker) - metalclad c/w neon light and marked 'cooker'	1	nr			
10	Twin switched socket outlet - IP65	3	nr			
11	Fireman's Switch	1	nr			
12	CO2 Sensor (Duoma CO2M) Three Colour LED Backlight	3	nr			
13	Mini Pillar and Access Chamber containing charging station Distribution Board.	1	nr			
14	EV Charging Station, Inch Duo, 2 x 22 kW (3 x 32A 3 Phase)	1	nr			
15	20A 3 Phase Weatherproof Isolator for ASHP	1	nr			
16	Control Box for Window Actuator. Refer to electrical drawings E07/2488.E01 - Detail 2	4	nr			
17	Window Actuators. Refer to electrical drawings E07/2488.E01 - Detail 2	12	nr			
To Collection €						

	DESCRIPTION	Qty	Unit	RATE	€	c
	<u>Final Circuits</u> Final circuit cabling, final circuit containment, control cabling, etc. Main containment runs have been included elsewhere. Final containment runs including conduit is to be included in the following wiring rates. 4.0mm ² LSF singles in trunking and steel galvanised conduit, separate 4.0mm ² cpc, concealed, fixed to masonry/timber. Connected to local Distribution Boards or MCC01					
1	Socket Outlet Points	102	nr			
2	Fused Connection Unit Points	100	nr			
3	Fireman's Switch	1	nr			
4	Room Thermostat	20	nr			
5	Black bulb sensor (comfort temperature measurement)	1	nr			
6	CO2 Sensors	3	nr			
7	Fan Isolator Switches	7	nr			
8	From Fan Isolator Switches to Fans	7	nr			
	Final Connections, Flexible cable, clipped neatly	50	nr			
	6.0mm ² LSF singles in trunking and steel galvanised conduit, separate 6.0mm ² cpc, concealed, fixed to masonry/timber. Connected to local Distribution Boards					
9	45A switched isolator outlet- (cooker)	1	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.					
10	DP Isolator Point (Intruder Alarm)	1	nr			
11	DP Isolator Point (Fire Alarm)	1	nr			
	10mm ² 5 core PVC/SWA/LSF cable in trench or duct, glands, clips, warning tape, connected to local distribution boards					
12	EV Charging point	1	nr			
	4mm ² 5 core PVC/SWA/LSF cable in trench or duct, glands, clips, warning tape, connected to local distribution boards					
13	ASHP	1	nr			
To Collection €						

	DESCRIPTION	Qty	Unit	RATE	€	c
	<u>Mechanical and BMS Wiring Installations</u>					
1	Field wiring cabling, cabling containment etc. Refer to electrical specification sections 2.1.9 and associated section 3 clauses. Refer to electrical drawings E07/2488.E01, E04, E08, E12 & E13 and M08/2488.M03, M06, M07, M09, M11		Item			
	<u>Final Circuits</u> Final circuit cabling, final circuit containment, control cabling, etc. Main containment runs have been included elsewhere. Final containment runs including conduit is to be included in the following wiring rates. Belden 9402 2 Pair Screened Cable in trunking and steel galvanised conduit, concealed, fixed to masonry/timber. Connected to MCC-01		Note			
2	Control Address Points	166	nr			
3	Co2/T Sensors	4	nr			
4	Motor Link Control Box (For Window Actuators)	4	nr			
5	Window Actuators Connected to Motor Link Control box	12	nr			
6	One way "hand/off/auto" key switch - Connected to Motor Link control box 0.6mm2 PVC Cable in trunking and steel galvanised conduit, concealed, fixed to masonry/timber.	4	nr			
	Connected to MCC					
7	Alarms/Sensors	10	nr			
	4mm2 XLPE/SWA/LSF & Earth cable on tray, glands, clips, Connected to MCC					
8	Boiler Enable	3	nr			
9	Shunt Pump Enable	5	nr			
10	Radiator Enable	1	nr			
	Cat6A data cables on mesh cable tray and steel galvanised conduit, concealed, fixed to masonry/timber. Connected to MCC					
11	Weather Station on Roof	2	nr			
12	Intruder Alarm	2	nr			
	30 Core XLPE/SWA/LSF & Earth cable on tray, glands, clips, warning tape, connected to MCC					
13	Remote Heating Panel in Secretary Office	2	nr			
To Collection €						

	DESCRIPTION	Qty	Unit	RATE	€	c
	2.5mm2 LSF singles in trunking and steel galvanised conduit, separate 2.5mm2 cpc, concealed, fixed to masonry/timber. Connected to local MCC01					
1	Room Thermostat	18	nr			
2	3 Port Control Valve	18	nr			
3	2 Port Control Valve	2	nr			
4	4 Port Control Valve	5	nr			
5	Heating Manifolds	3	nr			
6	Allow connection from MCC-01 to Heat Pump network in bus topology		item			
7	Allow connection from MCC-01 to Heat Recovery Unit network in bus topology		item			
8	Allow connection from MCC-01 to KNX network in bus topology		item			
9	Allow connection from MCC-01 to Fire Alarm Input		item			
	<u>General</u>					
10	Testing & commissioning as specification Section 3		item			
11	Operating & maintenance manuals as specification Section 3		item			
12	Working drawings as specification Section 3		item			
13	Coordination drawings as specification Section 3		item			
14	As built (record) drawings as specification Section 3		item			
15	Identification labels as specification Section 3		item			
16	Firestopping as specification Section 3		item			
To Collection €						

	DESCRIPTION	Qty	Unit	RATE	€	c
	LIGHTING (Element 63)					
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 2.3 and associated section 3 clauses. Refer to electrical drawings E07/2488.E02, E07/2488.E07 & E07/2488.E11		item			
	<u>Fittings</u>					
	Supply, erect and connect luminaires to wiring points c/w lamps, flex, luminaire connectors, supports as necessary. For full luminaire specification refer to Drawing E07/2488.E02 & E07/2488.E11					
2	Ref A Thorn Prisma LED 4400-830 HFIX FR L1200 35.3 W 3900 Lm, Dali Dimmng	15	nr			
3	Ref B Thorn Prisma LED 6200-840 HFIX FR L1200 53.5 W 6200 Lm, Dali Dimmng	42	nr			
4	Ref B Thorn Novaline Style 96635316, NOVS M 3500-840 3500 Lm, Dali Dimmng	14	nr			
5	Fagerhult 23782-520 Recessed Flat Opal Panel 4532 Lm, Dali Dimmng	29	nr			
6	Ref MP Thorn 93953392 Aquaforce Pro, AQFPRO S LED4300-840 4400 Lm, Dali Dimmng, local battery for Em Ltg.	4	nr			
7	Fagerhult 73059-402 PLEAID G4 165 Recessed downlight, 2693 Lm, Dali Dimmng	8	nr			
8	Hochiki Emergency Luminaire OPTIC LED DALI OPEN PLAN, 3 x 1W LED, 300 Lm with Remote Gear	18	nr			
9	Hochiki Emergency Luminaire OPTIC LED DALI ESCAPE ROUTE, 3 x 1W LED, 300 Lm with Remote Gear	12	nr			
10	Thorn Voyager Blade 2 115 MS E3D WH (96633305) LED Escape Sign with local battery.	18	nr			
11	Thorn Leopard 1900 LED3 E3 OP RD WH L840 Round LED Bulkhead with local battery.	9	nr			
12	Thorn Piazza II LED 2700-840 Wall Mounted Luminaire Bulkhead with local battery.	1	nr			
13	Ventilux optic LED OPNM3/LED/ES/DALI escape route non-maintained emergency luminaire	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 Drawing E07/2488.E07					
1	Single Head 96265916- Thorn R212 / R212 S 12150 730 WS BS 3550 CL2 GY small size led road lighting lantern C/w 6m octagonal galvanised steel hinged column, Post Top or Lateral brackets. <u>Accessories</u> Supply, erect and connect accessories/controls, ganged appropriately and/or as illustrated. For full accessory and control specification refer to Drawing E07/2488.E02, E07/2488.E07 & E07/2488.E11	5	nr			
2	One Way Pulse Switch, Metalclad	23	nr			
3	Two Way Pulse Switch, Metalclad	4	nr			
4	Time Delay Pulse Switch, Metalclad	6	nr			
5	Multi Function PIR - MS2021PF Absence Detector	7	nr			
6	WC Light Pulse Switch c/w Neon Light	7	nr			
7	One Way Key Switch, Hand-Off-Auto, Metalclad	1	nr			
8	Emergency Lighting Central Test Unit (located n the local board)	2	nr			
9	External Lighting Photocell	1	nr			
10	External Lighting Intruder Alarm Interface	1	nr			
11	EX-Or Ultralite Connection Box, 16A 10 Way	18	nr			
12	Dali Gateway	2	nr			
13	C-SEN, Absence Detector – MLS2421DF/SM 360*regulating microwave absence detector	3	nr			
14	P-SEN B, Presence Detector – MR2500D/F 180* regulating microwave presence detector	7	nr			
15	Engage specialist to design, supply, erect and connect KNX Lighting Controls System as detailed in specification section 2.3.4.		item			
To Collection €						

	DESCRIPTION	Qty	Unit	RATE	€	c
	<u>Final Circuits</u> Final circuit cabling, final circuit containment, control cabling, etc. Main containment runs have been included elsewhere. Final containment runs including conduit is to be included 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			
1	Lighting Outlet Point	112	nr			
2	One Way Switch Points	22	nr			
3	Two Way Switch Points	4	nr			
4	Emergency Lighting Outlet Point	61	nr			
5	Time Delay Switch Points	6	nr			
6	Override Switch Points	8	nr			
7	Multi Function PIR Points	7	nr			
8	WC Light Switch Points	7	nr			
9	Hand Off Auto Switch Points	1	nr			
10	External Lighting Photocell	1	nr			
11	External Lighting Intruder Alarm Interface	1	nr			
	Standard KNX Bus Cable (2pr) trunking and steel galvanised conduit, separate 1.5mm ² cpc, concealed, fixed to masonry/timber.					
12	Control Interface Points from Local DB's	18	nr			
13	Sensor Points from Local DB's	10	nr			
14	Switch Points from Control Interfaces	40	nr			
	Cat 6A Cable trunking and steel galvanised conduit, concealed, fixed to masonry/timber.					
15	Lighting Outlet Point from Local DB's Dali Gateways	166	nr			
To Collection €						

	DESCRIPTION	Qty	Unit	RATE	€	c
	10mm2 3 core PVC/SWA/LSF cable in trench or duct, glands, clips, warning tape, connected to local distribution boards					
1	Lighting Outlet	5	nr			
2	Cable Cut-Out, mounted on backboard in base of column	5	nr			
3	Final Connections to floodlights, IP65 junction box, glands, Hi-Tuff Cable	5	nr			
	<u>General</u>					
4	Allow for a commissioning Engineer from the manufacturer's factory to attend site to pre-commission, test & commission and demonstrate the system.		item			
5	Allow for return visit for full recommission after occupation to fine tune system to incorporate users feedback		item			
6	Testing & commissioning as specification Section 3		item			
7	Operating & maintenance manuals as specification Section 3		item			
8	Working drawings as specification Section 3		item			
9	Coordination drawings as specification Section 3		item			
10	As built (record) drawings as specification Section 3		item			
11	Identification labels as specification Section 3		item			
12	Firestopping as specification Section 3		item			
To Collection €						

	DESCRIPTION	Qty	Unit	RATE	€	c
	COMMUNICATION SERVICES (Element 63)					
	<u>Public Address Installations</u>					
1	Public Address System, cabling, final circuit containment, detection devices, contacts, sounders, control panel etc. Refer to electrical specification sections 2.4.1 and associated section 3 clauses. Refer to electrical drawings E07/2488.E03		item			
	<u>Equipment</u>					
2	Supply, erect & connect new Public Address Control Equipment complete with Amplification Control Panel containing amplifier, Input Socket for microphone and other external source. To be connected to existing main school amplification and class change bell system, in Principals Office as detailed on the Communication Drawing. E07/2488.E03.	1	nr.			
	<u>Fittings</u>					
	Supply, erect and connect equipment to wiring points connectors, supports as necessary. For full equipment specification refer to Drawing E07/2488.E03.					
	Supply, erect and connect equipment.					
3	Zone Controller	1	nr			
4	Classroom Talkback Speakers	9	nr			
5	Corridor Speaker	5	nr			
6	Speaker Switch Bank	1	nr			
7	Microphone	1	nr			
8	Reception Counter Induction Loop System.	1	nr			
9	SEN Central Activities Space Induction Loop System	1	nr			
10	SEN Office Induction Loop System	1	nr			
	<u>Final Circuits</u>					
	Main containment runs have been included elsewhere. Final containment runs including conduit is to be included 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 Amplifier.					
11	Zone controller	1	nr			
To Collection €						

	DESCRIPTION	Qty	Unit	RATE	€	c
	2 core 0.75mm2 LSF/LSF cable in trunking and galvanised steel conduit, tied and tagged, concealed, fixed to masonry/timber. From Zone Controllers					
1	Classroom Talkback Speakers	9	nr			
2	Corridor Speaker	5	nr			
3	Speaker Switch Bank	1	nr			
4	Microphone	1	nr			
5	Reception Counter Induction Loop wiring contained in PVC conduit around room.		item			
6	General Purpose area Induction Loop wiring contained in PVC conduit around room.		item			
7	SEN Office Induction Loop wiring contained in PVC conduit around room.		item			
	<u>Data/IT Installations</u>					
8	CAT 6A Plus UTP cabling, final circuit containment, data outlets, patch panels, data cabinets fibre optic cable interconnections etc. Refer to electrical specification sections 2.4.2 and associated section 3 clauses. Refer to electrical drawings E07/2488.E01 & E07/2488.E12		Item			
	<u>Equipment</u>					
	Supply, erect & connect new comms cabinets as detailed on electrical power Drawing, E07/2488.E01. and specification clause 2.4.2.1. Floor Standing					
9	Mains Distribution Facility Cabinet	1	nr			
10	24 Way Cat 6A Plus Patch panel	3	nr			
11	1x12 way PDU for cabinet	1	nr			
	<u>Accessories</u>					
	Supply, erect and connect electrical accessories and fittings to wiring points. For full fittings specification refer to Drawing E07/2488.E01 & E07/2488.E12					
12	Twin Data Point	24	nr			
13	C.C.T.V Data Point - Single (IP65)	5	nr			
14	C.C.T.V Data Point - Single	1	nr			
15	Wireless Access Data Point - Single	9	nr			
16	Door Access Data Point - Single	7	nr			
17	Cat 6A PLUS Patch Leads	66	nr			
18	Surface mounted, low level, white PVC, PAF IN (2xHDMI in, 1xMini-stereo jack in)	2	nr			
19	Surface mounted, high level, white PVC, PAF OUT (2xHDMI out, L-R audio out)	2	nr			
To Collection €						

	DESCRIPTION	Qty	Unit	RATE	€	c
	<u>Final Circuits</u> Final circuit cabling, final circuit containment, , etc. Main containment runs have been included elsewhere. Final containment runs including conduit is to be included in the following wiring rates. Cat6A PLUS data cables on mesh cable tray and steel galvanised conduit, concealed, fixed to masonry/timber. Connected to Main Distribution Facilities in Comms Room		Note			
1	Data/Voice outlets (Radial) Cat6A PLUS data cables on mesh cable tray and steel galvanised conduit, concealed, fixed to masonry/timber. Connected to PABX in Comms Room	66	nr			
2	Telephone outlets (Radial) Interconnecting cables to link to new extension	8	nr			
3	50 Pair Telephone Cable	1	nr			
4	100 Pair Telephone Cable	1	nr			
5	Cat 6A Cables	6	nr			
6	8 Core OM4 Fibre Optic Cable	1	nr			
7	4 core 2.5mm copper cable	1	nr			
8	Fire Alarm Cable	1	nr			
	<u>A/V Cabling</u> Install, terminate & test new AV cabling between teaching desk PAF and whiteboard PAF, cabling as required for PAF's listed above.					
9	PAF IN to PAF OUT	9	nr			
10	PAF IN to L&R Audio Out	9	nr			
	<u>General</u>					
11	Allow sum for the testing, commissioning and setting to work inclusive of demonstration of same of the Public Address system and equipment.		item			
12	Testing & commissioning of data installations as specification 2.4.2.13		item			
13	Allow sum for maintenance for 12 months from date of handover.		item			
14	Operating & maintenance manuals as specification Section 3		item			
15	Working drawings as specification Section 3		item			
16	Coordination drawings as specification Section 3		item			
17	As built (record) drawings as specification Section 3		item			
18	Identification labels as specification Section 3		item			
19	Firestopping as specification Section 3		item			
To Collection €						

	DESCRIPTION	Qty	Unit	RATE	€	c
	SECURITY AND PROTECTIVE SERVICES (Element 65)					
	<u>Fire Alarm Installations</u>					
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 2.5 and associated section 3 clauses. Refer to electrical drawings E07/2488.E04.		Item			
	<u>Equipment</u>					
2	Supply, erect & connect new analogue addressable fire alarm panel located in secure lobby as detailed on the Fire Alarm Drawing, E07/2488.E04. Fixed to masonry walls with appropriate wall plug and screw.	1	nr.			
	<u>Fittings</u>					
	Supply, erect and connect equipment to wiring points connectors, supports as necessary. For full equipment specification refer to Drawing E07/2488.E04					
3	Smoke Detector + Base	44	nr			
4	Smoke Detector + Sounder Base	13	nr			
5	Heat Detector + Sounder Base	6	nr			
6	Manual Call Point	8	nr			
7	Electronic Sounder/Strobe	7	nr			
8	Electronic Sounder/Strobe IP65	1	nr			
9	I/O Interface Units	22	nr			
10	Magnetic Door Holder	7	nr			
11	Door Holder Hinged Extension Arm	4	nr			
12	Wire Guards	3	nr			
	<u>Final Circuits</u>					
	Main containment runs have been included elsewhere. Final containment runs including conduit is to be included in the following wiring rates. Wire in 1.5mm ² FP200 (Gold) red cable, Enhanced Fire Rated, run on steel basket or clipped direct to fabric, concealed in fabric. Connected to main fire alarm panel.		Note			
13	Detector Base point.	63	nr			
14	Call point.	8	nr			
15	Sounder/Strobe point	8	nr			
16	I/O Interface Points	22	nr			
	Final Connections to secondary equipment (Door Hold devices, Smoke Vent panels, Access control devices etc. equipment.)					
17	Final Connections	29	nr			
To Collection €						

	DESCRIPTION	Qty	Unit	RATE	€	c
1	New ceiling to be installed in existing building. Contractor to allow for new smoke detector/sounder to link into existing system. Refer to electrical drawings E07/2488.E04. <u>Fittings</u> Supply, erect and connect equipment to wiring points connectors, supports as necessary. For full equipment specification refer to Drawing E07/2488.E04		Item			
2	Smoke Detector + Base	3	nr			
3	Electronic Sounder/Strobe	3	nr			
	<u>Final Circuits</u> Main containment runs have been included elsewhere. Final containment runs including conduit is to be included in the following wiring rates. Wire in 1.5mm ² FP200 (Gold) red cable, Enhanced Fire Rated, run on steel basket or clipped direct to fabric, concealed in fabric. Connected to main fire alarm panel. Amend existing wiring points		Note			
4	Detector Base point.	3	nr			
5	Sounder/Strobe point	3	nr			
	<u>Commissioning and Maintenance</u>					
6	Allow sum for the testing, commissioning and setting to work inclusive of demonstration of same of the fire alarm system and equipment.		item			
7	Allow sum for the re- commissioning existing fire alarm system and equipment in areas where existing system is amended.		item			
8	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			
9	Allow sum for maintenance inline with IS 3218:2013 for 12 months from date of handover.		item			
To Collection €						

	DESCRIPTION	Qty	Unit	RATE	€	c
	<u>Intruder Alarm Installation</u>					
1	Intruder Alarm System, cabling, final circuit containment, detection devices, contacts, sounders, control panel etc. Refer to electrical specification sections 2.5.2 and associated section 3 clauses. Refer to electrical drawings E07/2488.E05.		item			
	<u>Equipment</u>					
2	Supply, erect & connect new intruder panel located in Guidance Office as detailed on the Intruder Alarm and CCTV Drawing, E07/2488.E05. Fixed to masonry walls with appropriate wall plug and screw.	1	nr.			
	<u>Fittings</u>					
	Supply, erect and connect equipment to wiring points connectors, supports as necessary. For full equipment specification refer to Drawing E07/2488.E05					
	Supply, erect and connect equipment.					
3	Internal Sounder	5	nr			
4	Passive Infra Red Intruder Detector	15	nr			
5	External Strobe Sounder	1	nr			
6	Key Pad	1	nr			
7	Personal Attack Button	1	nr			
8	Mobile personal Attack Button	2	nr			
9	Wireless Alarm Receiver	5	nr			
	<u>Final Circuits</u>					
	Main containment runs have been included elsewhere. Final containment runs including conduit is to be included in the following wiring rates.		Note			
	Wire in 6 core 7/0.3mm ² alarm cable, on cable tray or in trunking and steel galvanised conduit, concealed, fixed to masonry/timber.					
11	Remote Input Output Module connected to Control Panel	4	nr			
12	Internal Sounder. Connected to Remote Input Output Module	5	nr			
To Collection €						

	DESCRIPTION	Qty	Unit	RATE	€	c
1	Passive Infra Red Intruder Detector Connected to Remote Input Output Module	15	nr			
2	External Strobe Sounder Connected to Remote Input Output Module	1	nr			
3	Key Pad Connected to Remote Input Output Module	1	nr			
4	Personal Attack Button Connected to Remote Input Output Module	1	nr			
5	Wireless Alarm Receiver Connected to Remote Input Output Module	5	nr			
6	Allow for linking existing Intruder Alarm system to new systems		item			
	<u>Commissioning and Maintenance</u>					
7	Allow sum for the testing, commissioning and setting to work inclusive of demonstration of same of the Intruder alarm system and equipment.		item			
8	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			
9	Allow sum for maintenance for 12 months from date of handover.		item			
	<u>CCTV Installations</u>					
10	CCTV System, cabling, final circuit containment, Cameras, control and recording equipment, monitors, etc. Refer to electrical specification sections 2.5.3.1 and associated section 3 clauses. Refer to electrical drawings E07/2488.E05.		item			
	<u>Equipment</u>					
11	Supply, erect & connect new Network Video Recorder/Controller in Principals Room as detailed on Drawing, E07/2488.E05 and specification section 2.5.3.3	1	nr.			
12	Supply, erect & connect new UPS to back up CCTV system in Principals Room as detailed on Drawing, E07/2488.E05 and specification section 2.5.3.3	1	nr.			
To Collection €						

	DESCRIPTION	Qty	Unit	RATE	€	c
	<u>Fittings</u> Supply, erect and connect equipment to wiring points connectors, supports as necessary. For full equipment specification refer to Drawing E07/2488.E5. Supply, erect and connect equipment.					
1	Fixed CCTV Camera	4	nr			
2	Dome CCTV Camera	1	nr			
3	24" Flat Screen Monitor	1	nr			
	<u>Final Circuits</u> Cat6A PLUS data cables on mesh cable tray and steel galvanised conduit, concealed, fixed to masonry/timber. Connected to Network Video Recorder in Principals Office					
4	Data outlets (Radial)	5	nr			
5	Allow for interconnecting cables within Principals Office		item			
6	Allow for linking existing CCTV system to new systems		item			
	<u>Commissioning and Maintenance</u>					
7	Allow sum for the testing, commissioning and setting to work inclusive of demonstration of same of the CCTV system and equipment.		item			
8	Allow sum for maintenance for 12 months from date of handover.		item			
	<u>Door Access Control Installations</u>					
9	Door Access System, cabling, final circuit containment, to include maglocks, door release, fob units and emergency break units. Each unit to be fully networked system controlled via PC located in the administration office. Refer to electrical specification sections 2.5.5 and associated section 3 clauses. Refer to electrical drawings E07/2488.E01		item			
	<u>Equipment</u>					
10	Supply, erect & connect new Dedicated control front end complete with PC, 17" LCD display in Administration Office.	1	nr.			
To Collection €						

	DESCRIPTION	Qty	Unit	RATE	€	c
	<u>Fittings</u>					
	Supply, erect and connect equipment to wiring points connectors, supports as necessary. Refer to electrical drawings E07/2488.E01					
	Supply, erect and connect equipment.					
1	Fob programmer	1	nr			
2	Door controller c/w PSU & 12V 7ah battery	10	nr			
3	Fob reader	17	nr			
4	Fobs	100	nr			
5	Push to Exit button	2	nr			
6	'Green' breakglass unit	2	nr			
7	Egress Control with Alarm and Delayed Release and Electronic Motorised Latch/Bar linked To Fire Alarm	17	nr			
8	Access Control with Alarm and electronic Motorised Latch/Bar linked to Fire Alarm	2	nr			
	<u>Final Circuits</u>					
	Main containment runs have been included elsewhere. Final containment runs including conduit is to be included 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 Distribution Facility Patch Panel					
9	Door controller	10	nr			
	Wire in 6 core 7/0.3mm ² alarm cable, on cable tray or in trunking and steel galvanised conduit, concealed, fixed to masonry/timber.					
10	Door controller to Push to Exit button points	2	nr			
11	Door controller to 'Green' breakglass unit points	2	nr			
12	Door controller to Latchbar Points	19	nr			
13	Door controller to Fob Reader	17	nr			
14	Door controller to Intercom Handset/Door release unit points	1	nr			
	<u>General</u>					
15	Allow sum for the testing, commissioning and setting to work inclusive of demonstration of same of the Access Control system and equipment.		item			
To Collection €						

	DESCRIPTION	Qty	Unit	RATE	€	c
1	<u>Door Entry System</u> Intercom systems between the main entrance door and Administration office. There shall be a hand set complete with electromagnetic lock door release. Refer to electrical specification sections 2.54 and associated section 3 clauses. Refer to electrical drawings E07/2488.E01 <u>Fittings</u> Supply, erect and connect equipment to wiring points connectors, supports as necessary. Refer to electrical drawings E07/2488.E01		item			
2	Two Way Intercom System c/w Electro-Magnetic Door Lock and Release Mechanism. To Be Vandal Resistant.	1				
3	Intercom release button	1				
4	Wire in 6 core 7/0.3mm ² alarm cable, on cable tray or in trunking and steel galvanised conduit, concealed, fixed to masonry/timber.					
4	Door controller to Intercom Handset/Door release unit points	1	nr			
5	<u>General</u> Allow sum for the testing, commissioning and setting to work inclusive of demonstration of same of the Door Entry system and equipment. <u>Emergency Assistance Alarm System</u>		item			
6	Fire Rated Communication cabling, final circuit containment, outstations, control equipment, interconnections etc. Refer to electrical specification sections 2.5.6 and associated section 3 clauses. Refer to electrical drawings E07/2488.E04.		item			
7	<u>Equipment</u> Disabled alarm Controller,	1	nr			
8	Disabled Alarm Kit, comprising Controller, Reset Button, Overdoor Light, Anti- Ligature pull cord	5	nr			
9	A keyswitch-isolatable monitoring point c/w magnetic door contacts.	5	nr			
	<u>Final Circuits</u> Wire in 4c 7/0.2mm LSF white alarm cabling, run on steel tray or clipped direct to fabric, concealed in fabric.					
10	From central controller to room kit controller point	5	nr			
11	From room kit controller to overdoor indicator point	5	nr			
12	From room kit controller to reset unit point	5	nr			
13	From central controller to door monitoring points	5	nr			
To Collection €						

	DESCRIPTION	Qty	Unit	RATE	€	c
	<u>Commissioning and Maintenance</u>					
1	Allow sum for the testing, commissioning and setting to work inclusive of demonstration of same of the disabled alarm system and equipment.		item			
	<u>General</u>					
2	Operating & maintenance manuals as specification Section 3		item			
3	Working drawings as specification Section 3		item			
4	Coordination drawings as specification Section 3		item			
5	As built (record) drawings as specification Section 3		item			
6	Identification labels as specification Section 3		item			
7	Firestopping as specification Section 3		item			
				To Collection €		

	DESCRIPTION	Qty	Unit	RATE	€	c
	PHOTOVOLTAIC (PV PANEL) SERVICES (Element 68)					
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.		item			
2	Engage specialist to supply install and erect a solar photo voltaic electrical generation system comprising 5 nr. 375W Panels as outlined on drawing E07/2488.E09 and in specification clause 2.6		item			
	<u>General</u>					
3	Testing & commissioning as specification Section 3					
4	Operating & maintenance manuals as specification Section 3		item			
5	Working drawings as specification Section 3		item			
6	Coordination drawings as specification Section 3		item			
7	As built (record) drawings as specification Section 3		item			
8	Identification labels as specification Section 3		item			
9	Firestopping as specification Section 3		item			
To Collection €						

collection