



VOLUME C- Pricing Document

for

**Single Storey Extension & Associated Site Works
to Sandpit National School, Sandpit
Termonfeckin, Co.Louth**

for

**The Board of Management, Sandpit National
School, Sandpit, Termonfeckin, Co.Louth**

Sept 11 2026



MURTAGH SURVEYORS

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Tender Summary - Sandpit National School Volume C Pricing Document

ELEMENTAL SUMMARY

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1	PROJECT PRELIMINARIES	
2	(19) SUBSTRUCTURE	
	(21) EXTERNAL WALLS	
	(22) INTERNAL WALLS	
	(22) INTERNAL WALLS - EXISTING BUILDING	
	(25) AIR TIGHTNESS	
	(27) ROOF	
	(28) FRAME	
	(31) EXTERNAL WALL; COMPLETIONS	
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	(41) EXTERNAL WALL FINISHES	
	(42) INTERNAL WALL FINISHES	
	(42) INTERNAL WALL FINISHES - EXISTING	
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	(20) SITE STRUCTURES - PERGOLA STRUCTURE	

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	(30) SITE ENCLOSURES - RE-CONSTRUCTION OF FRONT WALL & PIERS	
	(30) SITE ENCLOSURES - PLANTER WALLS/RETAINING WALLS	
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	(40) ROADS, PATHS, PAVINGS - PAVING TO CAS ENTRANCE	
	(40) ROADS, PATHS, PAVINGS - PAVING TO MAIN ENTRANCE	
	(40) ROADS, PATHS, PAVINGS - PAVING TO SENSORY GARDEN	
	(40) ROADS, PATHS, PAVINGS - PERMEABLE PAVING	
	(40) ROADS, PATHS, PAVINGS -GENERAL HARD PLAY AREA	
	(40) ROADS, PATHS, PAVINGS - CONCRETE FOOTPATH/RAMPS	
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	(50) SITE SERVICES - STORM DRAINAGE	
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	(50) SITE SERVICES - GAS	
	(60) SITE SERVICES (MAINLY ELECTRICAL) - SITE LIGHTING	
	(60) SITE SERVICES (MAINLY ELECTRICAL) - ACCESS CONTROL	
	(60) SITE SERVICES (MAINLY ELECTRICAL) - POWER TO WASTE WATER PUMP STATION	
	(60) SITE SERVICES (MAINLY ELECTRICAL) - POWER TO ASHP	
	(60) SITE SERVICES (MAINLY ELECTRICAL) - POWER TO EV	
	(70) SITE FITTINGS	
	(80) LANDSCAPING - FLOOD EMBANKMENT	
	(80) LANDSCAPING	

TOTAL VALUE OF WORKS EX VAT TO FORM OF TENDER €€



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1. PROJECT PRELIMINARIES

<u>1. PRELIMINARIES PARTICULARS</u> <u>1 PRELIMINARY PARTICULARS</u> <u>This Pricing Document must be completed in full and returned with the tender</u> 1.1 Project, parties and consultants <u>The name, nature and location of the project</u> Single storey extension housing two classrooms, store rooms, quiet space rooms, central activity space, office, toilets etc incl alterations to existing building and essential external works including sensory garden The location of the site is Sandpit National School, Sandpit, Termonfeckin, Co.Louth, A92A567 <u>A general description of the works</u> The contract comprises the following works: Single storey extension housing two classrooms, store rooms, quiet space rooms, central activity space, office, toilets etc incl alterations to existing building and essential external works including sensory garden <u>The names and address of the Employer and Consultants together with their respective roles.</u> The 'Employer' shall mean The Board of Management, Sandpit National School, Sandpit, Termonfeckin, Co.Louth <u>Names and addresses of the Consultants</u> The term 'Employer's Representative' shall mean McKevitt King Architects,50 North Road, Drogheda, Co. Louth, Ireland, A92 W725 The Architect is: McKevitt King Architects,50 North Road, Drogheda, Co. Louth, Ireland, A92 W725 The Civil and Structural Engineer is: DFK Consulting Engineers, Botanic Court, 30-32 Botanic Road, Glasnevin, Dublin 9				
Extension and External Works			To Collection €	

1. PRELIMINARIES PARTICULARS

<u>(Cont) This Pricing Document must be completed in full and returned with the tender</u> <u>(Cont) 1.1 Project, parties and consultants</u> <u>(Cont) Names and addresses of the Consultants</u> The Building Services Engineer is: RMCE Consultants; 1 City Wall, James Street, Kilkenny, R95 XF97 The Quantity Surveyor is: Murtagh Surveyors Ltd, Robin Hill, Cockle Rd, Tullyallen, Co.Louth, AD2X5HP The Project Supervisor Design Process is: Tobin, Block 10-4, Blanchardstown Corporate Park, Dublin 15 <u>1.2 Description of site</u> A The boundaries of the site, the means of access and the position of the works are as indicated on the Architect's drawing T04A. The Contractor should visit the site and note all adjacent and/or abutting buildings. B The proposed extension is located to the rear of the existing School at Sandpit National School, Sandpit, Termonfeckin, Co.Louth C The existing facility shall remain fully operational during the construction of the proposed works. The existing boundaries of the site include the following: D In general the existing boundary treatments to the site are to remain in place and are not to be altered or disturbed during the works. However the existing vehicular entrance and pedestrian entrance are to be removed and replaced at the contractors compound area as shown on architects drawing T-04A The Contractor shall take all necessary precautions to protect existing boundaries for the duration of the contract. Any damage to existing boundary treatments shall be made good at the Contractor's expense to the satisfaction of the Employer's Representative. E The contractor is expected to visit the site when preparing his tender submission and satisfy himself as to the existing site boundary conditions.				
	1	item		
	1	item		
	1	item		
	1	Item		
	1	Item		
Extension and External Works				To Collection €

1. PRELIMINARIES PARTICULARS

<u>(Cont) This Pricing Document must be completed in full and returned with the tender</u> <u>(Cont) 1.1 Project, parties and consultants</u> <u>(Cont) 1.2 Description of site</u> Means of Access				
A	Construction access to the proposed site area will be via the existing double gates as shown on drawing T04A. Contractors are advised to carefully review the Volume A Works Requirements in this regards. No claims from a lack of understanding of site access or restrictions will be considered.	1	Item	
B	Pedestrian / Cyclists - Pedestrian routes around the construction site are to be segregated from the vehicular routes. The pedestrian routes will be demarcated with a timber post and chain or similar visual/wayfinding system. Task lighting will be provided on the site and car parking areas. An area for bicycle parking facilities is to be provided for construction personnel.	1	Item	
C	The Managed route for pupil access to/from play areas at set times is clearly marked on drawing T104A	1	Item	
D	Proposed Parking for Construction Personnel - Car parking will be provided within the site boundary in line with expected personnel levels during construction.	1	Item	
E	The main construction car park is to be located within contractor's compound footprint where limited parking for site management staff and visitor parking should be provided. No construction parking will be permitted on the approaches to the compound within the existing school grounds or along school areas incl the sandpit community	1	Item	
F	Appropriate wayfinding and warning signage is to be erected within the environs of Sandpit National School. The contractor is to devise an appropriate strategy which minimises disruption and inconvenience on the road network in the area during the construction of the project.	1	Item	
G	The successful tenderer will be required to prepare a Traffic Management Plan which will have to vary to reflect the changing site access patterns. The Contractor's Site Specific Safety Statement must also reflect the changing status of the sequencing of the works.	1	Item	
H	The Contractor is required to provide a secure, control gate access point to the site for the duration of works	1	Item	
J	The Contractor shall provide and maintain a full time "log in and out system" for all persons entering the works.	1	Item	
Extension and External Works		To Collection €		

1. PRELIMINARIES PARTICULARS

<u>(Cont) This Pricing Document must be completed in full and returned with the tender</u> <u>(Cont) 1.1 Project, parties and consultants</u> <u>(Cont) 1.2 Description of site</u> <u>(Cont) Means of Access</u>				
A	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.	1	Item	
B	The Contractor shall ensure that no damage is caused to the existing roads due to the delivery of materials or the removal of site materials, demolitions or 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.	1	Item	
C	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.	1	Item	
D	In the event of fouling of any roads due to any operations the Contractor will be expected to clean them expeditiously at their own expense to the satisfaction of the Employer's Representative and/or Employer. The Contractor shall be entirely responsible for any damage due to his failure to comply with this clause.	1	Item	
E	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.	1	Item	
F	Prior to appointment the main contractor is to develop and provide by a specialist a clear strategy for the management of construction traffic and personel and school traffic/pedestrians during the construction works.	1	Item	
G	Access through the existing occupied school grounds is strictly forbidden; it is the responsibility of the contractor to ensure that all subcontractors, suppliers, visitors and others are made aware of the construction site access and do not enter the school grounds.	1	Item	
Extension and External Works To Collection €				

1. PRELIMINARIES PARTICULARS

<u>(Cont) This Pricing Document must be completed in full and returned with the tender</u> <u>(Cont) 1.1 Project, parties and consultants</u> <u>(Cont) 1.2 Description of site</u> <u>(Cont) Means of Access</u>				
A	Tenderers must visit the site and ascertain the facilities for access thereto. They shall be understood to have acquainted themselves with the nature of the site, the existing school buildings and all adjacent buildings to the site and all other things insofar as they may have any connection with or affect the works. Tenderers must take all of the above into account when tendering and no claims for extras will be allowed in consequence of the failure to do this. Tenderers must make arrangements to visit the site by appointment. To arrange a visit to inspect the site of the Works, contact: Mr Shane Reilly, Principal 041-9822126 or mail principal@scoilmhuirec.ie Restrictions on Access	1	Item	
B	Restrictions to Contractor's access to the site for the duration of the work are shown within the red line on Architect's Drawing T104/A	1	Item	
C	The working space for the Contractor will be confined to the immediate sites of possession as shown on Architect's Drawing T104/A. The Contractor should note that he or she will be required to keep the school and site and adjacent public areas free of debris, muck, dust and the like and shall control noise and vibration.	1	Item	
D	The majority of the works are to proceed during the academic year within a live school environment. The Contractor must note that a teaching / pupil presence will exist within the school at all times. The Contractor will be responsible for their control and safety both on the construction site and all boundaries and interfaces with the school and its activities. The Contractor shall respond and deal immediately with any reasonable safety issue that may be raised by the school during the building works. If the school raises any concern about safety, the Contractor's site manager shall respond promptly and address the issue satisfactorily within a reasonable time frame and take whatever measures are necessary to ensure such an issue does not occur again. A programme / sequence of works shall be agreed in coordination with the Employer's Representative and Sandpit National School.	1	Item	
E	School and construction traffic are to be separate at all stages of construction. Construction traffic shall not park in the vicinity of the existing school buildings, or along surrounding residential developments/ streets. It is the responsibility of the Contractor to inform all subcontractors and suppliers of this restriction. This should be fully coordinated with the school before works commence.	1	Item	
Extension and External Works				
				To Collection €

1. PRELIMINARIES PARTICULARS

<u>(Cont) This Pricing Document must be completed in full and returned with the tender</u>				
<u>(Cont) 1.1 Project, parties and consultants</u>				
<u>(Cont) 1.2 Description of site</u>				
<u>(Cont) Restrictions on Access</u>				
A	The Contractor should note they are operating on the site of an occupied school. 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.	1	Item	
B	The Contractor is to note that this project has delivery time restrictions imposed on all materials/ plant requirements for the project. No access or deliveries can occur between the following times: 8.30am to 9.15am; 1.30pm to 2pm; 2.30pm to 3pm and 3.20pm to 3.45pm.	1	Item	
C	The contractor is fully responsible for Construction Management Plan and must ensure that all deliveries are coordinated and managed to ensure there is no queuing within the public roadways, and pedestrian footpaths and access routes are maintained at all times.	1	Item	
D	The existing school emergency exits and entrances shall be maintained throughout the construction period.	1	Item	
E	The contractor shall implement a road cleaning regime for the duration of the works, including wheel-washing facilities for vehicles entering and exiting the site. The frequency of cleaning is the Contractor's responsibility and shall be included in the Construction Management Plan to be issued to the ER and Local Authority prior to works commencing.	1	Item	
F	The Contractor shall mark all boundaries with warning signs to make clear that access to third parties is not allowed. The contractor shall erect 2.4m high suitably solid and secure hoarding with independent posts to all boundaries. Hoarding not to be fixed to existing fencing. All hoarding shall be to the contractors temporary works design and coordinated with the PSDP.	1	Item	
Position of the Works				
G	The new build accommodation is located as indicated on Architect's Proposed Site Plan Drawing	1	Item	
Existing Buildings and Services				
H	The existing School buildings (on site) and the neighbouring residential developments may be seen by visiting the site.	1	Item	
Extension and External Works		To Collection €		

1. PRELIMINARIES PARTICULARS

<u>(Cont) This Pricing Document must be completed in full and returned with the tender</u> <u>(Cont) 1.1 Project, parties and consultants</u> <u>(Cont) 1.2 Description of site</u> <u>(Cont) Existing Buildings and Services</u>				
A	The existing School will remain in operation on the site for the full duration of the proposed works. Services connections must be maintained by the contractor in all employer occupied areas for the duration of the works. A Ground Penetrating Radar Survey of the site has been completed which shows the extent of existing underground services - the survey is included in Appendix 3 of the ITT-Information Pack.	1	Item	
B	It is the contractor's responsibility to verify the location of all existing underground services throughout the entire site prior to the carrying out any of the construction works, by way of a Ground Penetrating Survey (GPR). The Contractor must provide herein for all costs associated with carrying out this survey prior to any works commencing. No claims on the grounds of want of knowledge in this respect will be entertained whatsoever.	1	Item	
C	The Contractor shall liaise with the existing school to ensure all existing services are maintained at all times, in particular where final connections to the diversion of existing services need to be completed. Final Connections shall take place outside of normal school hours, to avoid the loss of service to the school.	1	Item	
D	During the construction phases of the project method statements are to be prepared by the Contractor with regards to services tie ins, locations and the erection of hoardings and temporary security fencing and access to existing buildings to carry out necessary works. These method statements must be issued in a timely manner and in accordance with the Contract, for review and approval by the Employer's Representative. Adjacent / Abutting Structures	1	Item	
E	Any works beyond the boundaries of the school will involve hoarding outside the boundary of the site together with making good the existing public paths, public roads, grass and planted areas on the adjacent lands within the area of the works. The contractor shall liaise with the council, owners of the lands and affected local residents when this work is being undertaken, to minimise disruption to the local area.	1	Item	
F	A full condition survey of the affected areas to the existing building shall be undertaken prior to commencement and issued to the ER for record.	1	Item	
Extension and External Works				
				To Collection €

1. PRELIMINARIES PARTICULARS

<u>(Cont) This Pricing Document must be completed in full and returned with the tender</u> <u>(Cont) 1.1 Project, parties and consultants</u> <u>(Cont) 1.2 Description of site</u> <u>(Cont) Adjacent / Abutting Structures</u>				
A	A full dilapidation survey of all surrounding land shall be undertaken prior to commencement and issued to the ER for record.	1	Item	
B	A full condition survey of the School access/ exit roads off The Main Public road shall be undertaken prior to commencement and issued to the ER for record. The Contractor is responsible for maintaining the surface of these shared access roads throughout the construction period. This will include road surface repairs to potholes that develop whilst construction traffic use the shared access points to the site. These roads should be handed over in the same condition as before the commencement of the project.	1	Item	
C	The contractor shall liaise with the adjacent landowners when undertaking the work to minimise disruption.	1	Item	
<u>1.3 Drawings and other documents</u> Drawings and other documents used for the preparation of this bill of quantities are:				
D	^^^Documents contained in Volume A - Works Requirements Project Particulars & General Conditions	1	Item	
E	^^^Provide for any costs arising from complying with items given in Volume A1 - Project Particulars Drawings - Copies	1	Item	
F	Copies of the Drawings, additional to those provided for in the Conditions of Contract shall be provided at the Contractor's expense. Keep one copy of all contract drawings on the works for inspection by the Employer's Representative on completion of the works. Pricing Documents	1	Item	
G	The basis of measurement is the Agreed Rules of Measurement, Issue Four 2010 (ARM5) and ARM 5 Supplement 1, agreed between the Construction Industry Federation and the Society of Chartered Surveyors Ireland.	1	Item	
H	Mechanical & Electrical Works measured in accordance with The Agreed Rules of Measurement 5 to Supplement 2	1	Item	
Extension and External Works		To Collection €		

1. PRELIMINARIES PARTICULARS

<u>(Cont) This Pricing Document must be completed in full and returned with the tender</u> <u>(Cont) 1.1 Project, parties and consultants</u> <u>(Cont) 1.3 Drawings and other documents</u> <u>(Cont) Pricing Documents</u>				
A	Tendering Contractors are referred to the General Rules section of ARM 5 Supplement 1 and the ARM Standing Committee Notice of Amendments to ARM 5	1	Item	
B	Tenders must be priced in accordance with section 5.7 of the Instructions to Tenderers issued with this tender	1	Item	
C	Errors in the Pricing Document will be dealt with in accordance with section 8.1 of the Instructions to Tenderers issued with this tender	1	Item	
D	Unbalanced Tenders will be dealt with in accordance with section 8.2 of the Instructions to Tenderers issued with this tender	1	Item	
E	Abnormally low tenders, abnormally high or low rates or prices will be dealt with in accordance with section 8.3 of the Instructions to Tenderers issued with this tender	1	Item	
F	The Contractor shall keep one unpriced copy of the Pricing Document on the Works and the Employer's Representative or his representatives shall at all reasonable times have access to it.	1	Item	
G	No alterations or qualifications of any kind may be made by the Tenderer to the text of the Pricing Document. Should any alteration amendment note or addition be made it will be ignored and the text prepared by the Quantity Surveyor shall be adhered to.	1	Item	
H	The tendering contractor must comply with the rules set out in the Instructions to Tenderers when completing Volume C - Pricing Document	1	Item	
	Generic Names / Performance Requirements / Proprietary Names			
J	To avoid long descriptions repetitions, certain descriptions and measured items refer to the specification by use of the words " as described" whether so referred or not, all instructions and information contained in the Specification Clauses will be deemed to have been taken into consideration in pricing the whole of this Pricing Document.	1	Item	
K	Wherever a proprietary name is used to specify a material or process it shall be deemed to have the term "or equivalent" appended to it.	1	Item	
Extension and External Works		To Collection €		

1. PRELIMINARIES PARTICULARS

<u>(Cont) This Pricing Document must be completed in full and returned with the tender</u> <u>(Cont) 1.1 Project, parties and consultants</u> <u>(Cont) 1.3 Drawings and other documents</u> (Cont) Generic Names / Performance Requirements / Proprietary Names				
A	Where a material or process is described by reference to its proprietary name the name is used to indicate the standard of construction, appearance, ease of maintenance and durability acceptable to the Employer's Representative. The Employer's Representative will approve the use of alternatives where such alternatives are shown to equal or surpass the qualities of the product or process specified. Accordingly proprietary names wherever mentioned in the Specification, Pricing Document or on the drawings shall be deemed to mean the provision of the named product or process or an equivalent.	1	Item	
B	If the Contractor wishes to propose an "equivalent" product to that specified, they must follow the following procedures:	1	Item	
C	^^^a) Proposal to change must be formally requested through the employer's representative (ER) citing the reason why and demonstrating that the "equivalent" is equal to the original specification	1	Item	
D	^^^b) The ER is entitled to seek further demonstration that the "equivalent" proposal is equal, and tendering contractors should expect and include for same	1	Item	
E	^^^c) The ER's approval of the "equivalent" must be issued in writing prior to the works commencing	1	Item	
F	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 of compliance. Notwithstanding this, the appropriate foregoing documentation and samples are to be provided to the architect prior to being incorporated into the construction.	1	Item	
Extension and External Works To Collection €				

COLLECTION Page No. 1/1 Page No. 1/2 Page No. 1/3 Page No. 1/4 Page No. 1/5 Page No. 1/6 Page No. 1/7 Page No. 1/8 Page No. 1/9 Page No. 1/10 1. PRELIMINARIES PARTICULARS Carried to Summary				
Extension and External Works				

2. CONTRACT

<u>2. CONTRACT</u>				
<u>2. CONTRACT</u>				
2.1 Form, type and conditions of contract				
<u>Form, type and conditions of contract</u>				
The Form of Conditions set out in the Public Works Contract for Building Works designed by the Employer with a cited revision reference commencing with v2 published on http://constructionprocurement.gov.ie/contracts/ on the date 10 days before the latest date for receipt of Tenders (disregarding any amendments posted on that date). PW-CFS Minor Building & Civil Engineering Works designed by the Employer; 16th June 2026				
Articles of Agreement				
A	^^^Agreement A2	1	Item	
Conditions of Contract - clause headings				
^1. THE CONTRACT				
B	^^^1.1 Definitions	1	item	
C	^^^1.2 Interpretation	1	item	
D	^^^1.3 Inconsistencies	1	item	
E	^^^1.4 Pricing Document and Works Proposals	1	item	
F	^^^1.5 Performance Bond	1	item	
G	^^^1.6 Reliance Documents	1	item	
H	^^^1.7 Joint Ventures	1	item	
J	^^^1.8 Assignment	1	item	
K	^^^1.9 Miscellaneous	1	item	
L	^^^1.10 Background Information	1	item	
^2.0 THE LAW				
M	^^^2.1 Law governing the Contract	1	item	
N	^^^2.2 Compliance with Legal Requirements	1	item	
P	^^^2.3 Consents	1	item	
Q	^^^2.4 Project Supervisor	1	item	
Extension and External Works			To Collection €	

2. CONTRACT

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract <u>(Cont) Form, type and conditions of contract</u> (Cont) Conditions of Contract - clause headings				
A	^^2.5 Safety, Health and Welfare at Work Act 2005 and Safety, Health and Welfare at Work (Construction) Regulations 2013	1	item	
B	^^2.6 Ethics in Public Office	1	item	
C	^^2.7 Legal Opinion	1	item	
D	^^2.8 Data Protection	1	item	
	^3.0 LOSS, DAMAGE AND INJURY			
E	^^3.1 Employer's Risks of Loss and Damage to the Works	1	item	
F	^^3.2 Care of the Works	1	item	
G	^^3.3 Insurance of the Works and Other Risk Items	1	item	
H	^^3.4 Contractor's Indemnity	1	item	
J	^^3.5 Employer's Indemnity	1	item	
K	^^3.6 Public Liability and Employer's Liability Insurances	1	item	
L	^^3.7 Professional Indemnity Insurance	1	item	
M	^^3.8 Existing Facilities and Use or Occupation by Employer	1	item	
N	^^3.9 General Requirements Concerning Insurance	1	item	
P	^^3.10 Limitation on Liability	1	Item	
	^4.0 MANAGEMENT			
Q	^^4.1 Co-operation	1	item	
R	^^4.2 Contractor's Representative and Supervisor	1	item	
S	^^4.3 Employer's Representative	1	item	
T	^^4.4 Employer's Representative's Communications	1	item	
U	^^4.5 Instructions	1	item	
V	^^4.6 Works Proposals	1	item	
W	^^4.7 Required Contractor Submissions	1	item	
X	^^4.8 Value Engineering	1	item	
Y	^^4.9 Programme	1	item	
Extension and External Works		To Collection €		

2. CONTRACT

(Cont) 2. CONTRACT				
(Cont) 2.1 Form, type and conditions of contract				
<u>(Cont) Form, type and conditions of contract</u>				
(Cont) Conditions of Contract - clause headings				
A	^^4.10 Progress Reports	1	item	
B	^^4.11 Notice and Time for Employer's Obligations	1	item	
C	^^4.12 Documents	1	item	
D	^^4.13 Contractor's Management	1	item	
E	^^4.14 Communications	1	item	
F	^^4.15 Meetings	1	item	
G	^^4.16 Confidentiality and Secrecy	1	item	
H	^^4.17 Contractor's Things Not to be Removed	1	item	
J	^^4.18 Contractor's Documents	1	item	
^5.0 CONTRACTOR'S PERSONNEL				
K	^^5.1 Contractor's Personnel to Carry Out Contractor's Obligations	1	item	
L	^^5.2 Qualifications and Competence	1	item	
M	^^5.3 Pay and Conditions of Employment	1	item	
N	^^5.4 Subcontractors and Specialists	1	item	
P	^^5.5 Collateral Warranties	1	item	
Q	^^5.6 Removal of Workers	1	item	
R	^^5.7 Weekly Labour Records	1	item	
S	^^5.8 Ancillary Certificates	1	item	
^6.0 PROPERTY				
T	^^6.1 Ownership of Work Items	1	item	
U	^^6.2 Infringement of Property Rights	1	item	
V	^^6.3 Works Requirements	1	item	
W	^^6.4 Rights in Contractor's Documents	1	item	
^7.0 THE SITE				
X	^^7.1 Lands Made Available for the Works	1	item	
Extension and External Works				To Collection €

2. CONTRACT

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract <u>(Cont) Form, type and conditions of contract</u> (Cont) Conditions of Contract - clause headings				
A	^^^7.2 Trespassers	1	item	
B	^^^7.3 Contractor Responsible for all Site Operations	1	item	
C	^^^7.4 Services for Employer's Facilities	1	item	
D	^^^7.5 Security and Safety of the Site and Nuisance	1	item	
E	^^^7.6 Other Contractors	1	item	
F	^^^7.7 Setting Out the Works	1	item	
G	^^^7.8 Archaeological Objects and Human Remains	1	item	
H	^^^7.9 Access and Facilities	1	item	
J	^^^7.10 Condition of Site on Completion	1	item	
K	^^^7.11 Working Times	1	item	
	^8.0 QUALITY, TESTING AND DEFECTS			
L	^^^8.1 Standards of Workmanship and Works Items	1	item	
M	^^^8.2 Quality Assurance	1	item	
N	^^^8.3 Inspection	1	item	
P	^^^8.4 Tests	1	item	
Q	^^^8.5 Defects	1	item	
R	^^^8.6 Defects Period	1	item	
S	^^^8.7 Defects Certificate	1	item	
	^9.0 TIME AND COMPLETION			
T	^^^9.1 Starting Date	1	item	
U	^^^9.2 Suspension	1	item	
V	^^^9.3 Delay and Extension of Time	1	item	
W	^^^9.4 Programme Contingency	1	item	
X	^^^9.5 Omissions and Reduction of Time	1	item	
Y	^^^9.6 Substantial Completion	1	item	
Extension and External Works		To Collection €		

2. CONTRACT

	(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) Form, type and conditions of contract (Cont) Conditions of Contract - clause headings				
A	^^^9.7 Taking Over Part of the Works	1	item		
B	^^^9.8 Liquidated Damages	1	item		
	^10.0 CLAIMS AND ADJUSTMENTS				
C	^^^10.1 Compensation Event	1	item		
D	^^^10.2 Contractor to Pay Employer's Cost of Checking Quantities	1	item		
E	^^^10.3 Contractor Claims	1	item		
F	^^^10.4 Proposed Instructions	1	item		
G	^^^10.5 Employer's Representative's Determination	1	item		
H	^^^10.6 Adjustments to the Contract Sum	1	item		
J	^^^10.7 Delay Cost	1	item		
K	^^^10.8 (Not used)	1	item		
L	^^^10.9 Employer's Claims	1	item		
M	^^^10.10 International Procurement Instrument Measures	1	Item		
	^11.0 PAYMENT				
N	^^^11.1 Interim Payment	1	item		
P	^^^11.2 Unfixed Works Items	1	item		
Q	^^^11.3 Retention	1	item		
R	^^^11.4 Full payment	1	item		
S	^^^11.5 Final Statement	1	item		
T	^^^11.6 Time for Payment and Interest	1	item		
U	^^^11.7 Value Added Tax	1	item		
V	^^^11.8 Withholding Tax	1	item		
	^12.0 TERMINATION				
W	^^^12.1 Termination on Contractor Default	1	item		
X	^^^12.2 Consequences of Default Termination	1	item		
Extension and External Works		To Collection €			

2. CONTRACT

	(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) Form, type and conditions of contract (Cont) Conditions of Contract - clause headings				
A	^^^12.3 Suspension by the Contractor	1	item		
B	^^^12.4 Termination by the Contractor	1	item		
C	^^^12.5 Termination at Employer's Election	1	item		
D	^^^12.6 Consequences of Termination by Contractor or at Employer's Election	1	item		
E	^^^12.7 Survival	1	item		
F	^^^12.8 Payment	1	item		
G	^^^12.9 Reference to Conciliation	1	item		
	^13.0 DISPUTES				
H	^^^13.1 Dispute Management Procedure	1	item		
J	^^^13.2 Conciliation	1	item		
K	^^^13.3 Adjudication	1	item		
L	^^^13.4 Arbitration	1	item		
M	^^^13.5 Jurisdiction	1	item		
N	^^^13.6 Agent for Service	1	item		
P	^^^13.7 Continuing obligations	1	item		
	^14.0 COVID-19 MADATORY CLOSURE				
Q	^^^14.1 Covid-19 Definitions	1	item		
R	^^^14.2 Covid-19 General Provisions	1	item		
S	^^^14.3 Covid-19 Costs	1	item		
	^15.0 PRICE VARIATION				
T	^^^15.1 Definitions	1	item		
U	^^^15.2 Contract Sum Adjustment	1	item		
V	^^^15.3 Proportions	1	item		
W	^^^15.4 Change in Law	1	item		
X	^^^15.5 Failure to Commence by the Start Date	1	item		
Extension and External Works				To Collection €	

2. CONTRACT

(Cont) 2. CONTRACT				
(Cont) 2.1 Form, type and conditions of contract				
<u>(Cont) Form, type and conditions of contract</u>				
(Cont) Conditions of Contract - clause headings				
A	^^^15.6 Failure to Complete on Time	1	item	
B	^^^15.7 Excluded Amounts	1	item	
C	^^^15.8 Revisions of Index Figures	1	item	
D	^^^15.9 Permitted Increases and Permitted Decreases for Material Categories and Fuel Categories	1	item	
E	^^^15.10 Adjustments for Labour	1	item	
F	^^^15.11 Efficiency	1	item	
	^Appendices to Clause 15			
G	^^^Appendix 1 Definitions	1	Item	
H	^^^Appendix 2 Permitted Increases and Permitted Decreases for Materials and Fuel	1	Item	
J	^^^Appendix 3 Labour	1	Item	
<u>THE SCHEDULE - PART 1</u>				
K	A. Employer's Representative and Communications	1	item	
L	B. Documents	1	item	
M	C. Project Supervisor	1	item	
N	D. Insurance	1	item	
P	E. Performance Bond	1	item	
Q	F (i). Collateral Warranties	1	item	
R	F (ii). Ancillary Certificates	1	item	
S	F (iii). Named Specialists	1	item	
T	G. Dates for Substantial Completion, Sections, liquidated damages, retention	1	item	
U	H. Early Completion	1	item	
V	I. Defects Period	1	item	
W	J. Random Checks for Employment Records	1	item	
Extension and External Works		To Collection €		

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1				
A	K. Delay Events, Compensation Events, Programme Contingency, Delay Costs, Adjustments	1	item	
B	L. Payment Particulars	1	item	
C	M. Cap on Liability	1	item	
D	N. Conciliation, Adjudication and Arbitration	1	item	
E	O. Rights in Contractor's Documents	1	item	
F	P. IPI Measures	1	Item	
G	The completed Schedule Part 1 of the contract is contained within Volume B. Provide herin if not included elsewhere for complying in all respects with the schedule & conditions as described.	1	Item	
The insertions in the Schedule Part 1 are: A. Employer's Representative and Communications Sub-clauses 4.3 and 4.14 Notices under clauses 12 and 13 to be sent to ^^^Mr Shane Reilly, Principal, Sandpit National School ^^ Sandpit National School, Sandpit, Termonfeckin, Co.Louth Other notices to the Employer to be sent to ^^^Mr. James McKeivitt ^^^McKeivitt King Architects, 50 North Road, Drogheda, Co.Louth, Ireland, A92 W725. ^^^Phone: 041-9832950 ^^^Email: James@mckevittking.ie ^^^The Employer's Representative is: Notices to the Employer's Representative to be sent to ^^^Mr. James McKeivitt McKeivitt King Architects, 50 North Road, Drogheda, Co.Louth, Ireland, A92 W725. ^^^Phone: 041-9832950				
Extension and External Works		To Collection €		

(Cont) 2. CONTRACT**(Cont) 2.1 Form, type and conditions of contract****(Cont) THE SCHEDULE - PART 1****(Cont) A. Employer's Representative and Communications**

^^^Email: James@mckevittking.ie

The number of Project Board members for the Contract shall be:

^^^1 member from each Party

Maximum adjustment to the Contract Sum for a single Change Order: €2,000.00

Maximum cumulative value of adjustments to the Contract Sum for Change Orders in any 3 month period is: 0.25% of the Contract value, unless approved by the Employer.

B. Documents

Works Requirements are:

^^^As Scheduled in Volume A Works Requirements

Pricing Document is:

^^^A Bill of Quantities to the Agreed Rules of Measurement 5, as amended by Supplement 1 Issue 2, as included in Volume C.

^^^Mechanical & Electrical works measured in accordance with The Agreed Rules of Measurement 5 to Supplement 2

Works Proposals are:

^^^As included in Volume D and attachments - Works Proposals (response to Technical Merit Criteria as outlined in Appendix 1 of the ITT document and accompanying tender information outlining the technical merit criteria).

C. Project Supervisor (Sub-clause 2.4)

^^^The Contractor, or an individual or body corporate named in the Work Proposals, 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.

D. Insurance (Sub-clause 3)

A Insurance of the works: minimum amount insured for professional fees 12.5% of the Contract Sum

1

item

Extension and External Works

To Collection €

(Cont) 2. CONTRACT				
(Cont) 2.1 Form, type and conditions of contract				
(Cont) THE SCHEDULE - PART 1				
(Cont) D. Insurance (Sub-clause 3)				
Minimum indemnity limit for Public Liability insurance: Ç6,500,000 for any one event, but this limit may be on an annual aggregate basis for products liability, collapse, vibration, subsidence, removal and weakening of supports and sudden accidental pollution	1	item		
Minimum indemnity limit for Employers' liability insurance: Ç13,000,000 for any one event	1	item		
Maximum excess for Insurance of Works and other Risk Items : the greater of 1% of the Project Value or 0.5% of Contractor's turnover	1	item		
Maximum excess for Public liability: the greater of 1% of the Project Value or 0.5% of Contractor's turnover in respect of property damage only. There shall be no excess for death, injury or illness.	1	item		
There is no excess permitted for Employers' liability insurance.	1	item		
<i>Permitted exclusions from all Insurances</i>				
^^^War, invasion, act of foreign enemies, hostilities [whether war is declared or not], civil war, rebellion, revolution, insurrection or military or usurped power	1	item		
^^^Pressure waves caused by aircraft or other airborne objects travelling at sonic or supersonic speeds	1	item		
^^^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	1	item		
^^^Terrorism	1	item		
^^^Asbestos	1	item		
Permitted exclusions from insurance of the Works and other Risk Items:				
^^^Use or occupation of the Works by the Employer except in connection with the Works	1	item		
^^^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	1	item		
Extension and External Works		To Collection €		

2. CONTRACT

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) D. Insurance (Sub-clause 3)				
A	^^^Wear, tear, normal upkeep or normal repair or gradual deterioration	1	item	
B	^^^Inventory losses	1	item	
C	^^^Loss of use or any consequential loss of any nature including penalties for delay, non-completion or non-compliance	1	item	
D	^^^Failure of information technology	1	item	
E	^^^Mechanical or electrical breakdown but not resulting damage	1	item	
F	^^^Cessation of the Works for more than 3 months	1	item	
	Permitted exclusions from public liability insurance:			
G	^^^Persons under a contract of service or apprenticeship with the insured	1	item	
H	^^^Property of the insured or in the insured's custody or control other than existing premises and their contents temporarily occupied for the purposes of the Works	1	item	
J	^^^Defective workmanship or materials but not resulting damage	1	item	
K	^^^Mechanically propelled vehicles within the meaning of the Road Traffic Acts	1	item	
L	^^^Loss or damage due to design	1	item	
M	^^^Gradual pollution or contamination	1	item	
N	^^^Territorial limits	1	item	
P	^^^Unless otherwise specified in the Works Requirements, aircraft and waterborne craft	1	item	
Q	^^^Fines, penalties, liquidated damages	1	item	
	Permitted exclusions from employer's liability insurance:			
R	^^^Offshore work	1	item	
S	^^^Liability compulsorily insurable under the Road Traffic Acts	1	item	
	Permitted exclusions for professional indemnity insurance:			
Extension and External Works		To Collection €		

2. CONTRACT

(Cont) 2. CONTRACT				
(Cont) 2.1 Form, type and conditions of contract				
(Cont) THE SCHEDULE - PART 1				
(Cont) D. Insurance (Sub-clause 3)				
^^^Persons under a contract of service or apprenticeship with the insured	1	item		
^^^Ownership, use, occupation or leasing of mobile or immobile property	1	item		
^^^Effecting or maintenance of insurance of or in connection with the provision of finance or advice on financial matters	1	item		
^^^Dishonest, malicious, criminal or deliberate illegal acts	1	item		
^^^Libel and slander	1	item		
^^^Insolvency	1	item		
^^^Fines, penalties, liquidated damages or any penal, punitive, exemplary, non-compensatory or aggravated damages	1	item		
^^^Failure of information technology	1	item		
^^^Contractual liability that would not apply in the absence of the contract	1	item		
Optional insurance provisions				
Sub-clause 3.8 (Existing Facilities and Use or Occupation by Employer) shall apply.	1	item		
Insurance of the works and other Risk Items shall include the following property of the Employer, other than the Works and Work Items: Not applicable and the minimum sum for which this property is to be insured shall be ÇNot Applicable.	1	item		
If insurance of the Works and other Risk Items is to include terrorism cover, the minimum sum insured shall be: Ç0.00	1	item		
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.	1	item		
Required extensions to Insurance: N/A	1	item		
Professional Indemnity Insurance is required	1	item		
If required, the Professional Indemnity Insurance is in place it must be kept in place for 12 years after Substantial Completion of the Works is certified by the Employer's Representative	1	item		
Extension and External Works	To Collection €			

2. CONTRACT

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) D. Insurance (Sub-clause 3)				
A	If required the minimum indemnity limit for professional indemnity insurance shall be ₺1,500,000 annual aggregate limit.	1	item	
B	The maximum excess shall be the greater amount of 2% of the Contractor's annual turnover or ₺5,000.	1	item	
	E. Performance Bond (Sub-clause 1.5)			
	<i>A performance bond is required</i>			
C	The amount of the performance bond shall be 12.5% of the initial Contract Sum up to certification of Substantial Completion of the Works, and 6.25% of the initial Contract Sum for 450 days after that.	1	item	
	F(i). Collateral Warranties (Sub-clause 5.5)			
	<i>Collateral Warranties are required from the following categories of Specialists, by the following dates; and the amount withheld from payments under sub-clause 11.4.1 area as follows:</i>			
D	^^^Not Applicable	1	item	
	F(ii). Ancillary Certificates (Sub-clause 5.8)			
	<i>Ancillary Certificates are required from the following categories of Contractor's Personnel. The list reflects the works elements known at the time of tender but does not limit the Contractor's duties under sub-clause 2.3.1:</i>			
E	^^^Refer to list of Ancillary Certificates included in Volume B - Schedule Part 1 (Note: The contractor should note that the list is not exhaustive).	1	item	
	F(iii). Named Specialists (Sub-clause 5.4)			
F	^^^Not Applicable	1	item	
	G. Dates for Substantial Completion, Sections, Liquidated Damages, Retention			
	<i>The Works</i>			
G	Date for Substantial Completion: Last day of 15 Months starting on the Contract Date	1	item	
H	Rate of Liquidated Damages: ₺See Sections as per below	1	item	
Extension and External Works		To Collection €		

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract <u>(Cont) THE SCHEDULE - PART 1</u> (Cont) F(i). Collateral Warranties (Sub-clause 5.5) <i>Section 1 - Site Set-up & Construction of Portion of New Extension (Excluding link to Existing Building) and all associated Siteworks; all as detailed in Volume A Works Requirements</i>				
A	Date for Substantial Completion: Last day of 15 Months starting on the Contract Date	1	item	
B	Rate of Liquidated Damages: €10,000 per month	1	item	
C	Reduction in retention on Substantial Completion of Section (%): 50%	1	item	
<i>Section 2 - Construction of link between New Extension and Existing Building including M&E links through Existing Building ; all as detailed in Volume A Works Requirements</i>				
D	Date for Substantial Completion: Last day of 4 Month period (during summer shutdown) within 15 Month period starting on the Contract Date.	1	item	
E	Rate of Liquidated Damages: €10,000.00 per month part thereof	1	item	
F	Reduction in retention on Substantial Completion of Section (%): 50%	1	item	
<i>H. Early Completion (Sub-clause 9.6)</i>				
G	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.	1	item	
<i>I. Defects Period</i>				
H	The initial Defects Period is one year from the date of Substantial Completion of the Works	1	Item	
<i>J. Random Checks for Employment Records</i>				
J	Sub-clause 5.3.3A(2) shall be part of the contract	1	Item	
<i>K. Delay Events, Compensation Events, Programme Contingency, Delay Costs, Adjustments (Sub-clauses 9.3,9.4, 10.1, 10.6, 10.7)</i>				
K	Event Nr 17 (Compensation Event - Yes)	1	item	
L	Event Nr 18 (Compensation Event - Yes)	1	item	
Extension and External Works				To Collection €

2. CONTRACT

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	Event Nr 19 (Compensation Event - Yes)	1	item	
B	Event Nr 20 (Compensation Event - Yes)	1	item	
C	Event Nr 21 (Compensation Event - No)	1	item	
D	Weather station for measurement of weather events: Dublin Airport weather station	1	item	
<i>In Sub-clause 9.4</i>				
E	The first threshold is 10 Site Working Days of delay caused by Compensation Events	1	item	
F	The second threshold is 20 Site Working Days of delay caused by Compensation Events	1	item	
G	In Sub-clause 10.6.4(3), the rates to be used to determine the cost of plant are the rates in: Not applicable	1	item	
<i>Modified as follows:</i>				
H	Rates will be treated as if in euro and any rates in the Pricing Document	1	item	
<i>In sub-clause 10.7, the amount to be added for delay cost is in accordance with sub-clause 10.7.1(2) the daily rate tendered by the Contractor in the Schedule, part 2D</i>				
J	For the purposes of sub-clause 10.7, the Contractor is to tender in part 2D a single daily rate for delay costs	1	item	
<i>L. Payment Particulars (Clause 11)</i>				
K	Period for interim payment is: Monthly	1	Item	
L	Minimum amount for interim payments, except release of retention, Ç5,000.00	1	Item	
M	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:	1	Item	
N	On-Site Materials: None; % of Contract value: 90%	1	Item	
P	Off-Site Materials with Bond: None; % of Contract value: 90%	1	Item	
Q	The retention percentage is 3%	1	Item	
Extension and External Works		To Collection €		

2. CONTRACT

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract <u>(Cont) THE SCHEDULE - PART 1</u> (Cont) F(i). Collateral Warranties (Sub-clause 5.5) <i>M. Cap on Liability (Sub-clause 3.10)</i>				
A	ÇEqual to the Contract Sum	1	item	
<i>N. Conciliation, Adjudication and Arbitration (Sub-clauses 13.2, 13.3 and 13.4)</i>				
B	For the purposes of resolution of a dispute by conciliation the parties to the contract shall agree on the appointment of: A Conciliator appointed for each conciliation	1	item	
C	Failing agreement, the conciliator (or Standing Conciliator) will be appointed by: The President of the RIAI	1	item	
D	The arbitration rules are the Capital Works Management Framework (CWMF) Arbitration Rules for use with Public Works and Construction Services Contracts (AR1)	1	Item	
E	The person or body to appoint the arbitrator, if not agreed by the parties, is The President of the RIAI	1	Item	
F	The person to appoint the adjudicator, if not agreed by the parties is Chairperson of the Panel of Adjudicators	1	Item	
<i>O. Rights in Contractor's Documents (Sub-clause 6.4)</i>				
G	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	1	Item	
<i>P. IPI Measures (Sub-clause 10.10)</i>				
H	Sub-clause 10.10 shall not apply.	1	Item	
STATUTORY COMPLIANCE <i>Planning</i>				
J	The Contractor is required to comply with the planning permission that is applicable to the Works including compliance in full with all conditions attached to the permission. Refer to The Grant of Planning Permission for this project is included in the Information Pack (Appendix 3 to ITT) and the Contractor shall include for any costs arising out of the conditions listed therein.	1	Item	
Extension and External Works		To Collection €		

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5) <i>Fire Safety</i> A The Contractor is required to comply with the Fire Safety Certificates(s) that are applicable to the Works including compliance in full with all conditions attached to these certificates. B The Contractor is solely responsible for all the costs required to comply with such conditions. C The contractor shall engage a third party fire safety certifier to provide Ancillary Inspection Completion Certificate (SI RIAI ACI 02) under SI 09 in relation to all of the construction elements of the building relating to Fire Safety and Compliance with Building Regulations Part B and the granted Fire Safety Certificate <i>Disability Access Certificates (DAC)</i> D The Contractor is required to comply with the DAC(s) that are applicable to the Works including compliance in full with all conditions attached to these certificates. E The Contractor is solely responsible for all the costs required to comply with such conditions. <i>Building Control (Amendment) Regulations 2014</i> F Please note that all references to 'Builder' refer to the Main Contractor G The Contractor shall provide Certificates as required by The Building Control (Amendment) Regulations 2014, and shall comply with The Building Control (Amendment) Regulations 2014, and shall comply with The Code of Practice for Inspection and Certification issued by the Department of Environment, Community, and Local Government. H The Contractor shall be responsible for the serving of and compliance with all notices and the like required under the Building Control Act 1990, the current Building Regulations and the Building Control (Amendment) Regulations 2014 in connection with the execution of the works.				
	1	Item		
	1	Item		
	1	Item		
	1	Item		
	1	Item		
		note		
	1	Item		
	1	Item		
Extension and External Works				To Collection €

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	The Contractor shall comply with all Building Regulations over which he has control. The Main Contractor shall at Substantial Completion provide written confirmation signed by a Director of his company that he has so complied.	1	Item	
<i>1.0 Contract Requirements</i>				
B	^^^1.1 The Builder shall cooperate with the Assigned Certifier (AC) through the Employers Representative (ER) and coordinate the notifications and inspections	1	Item	
C	^^^1.2 The Builder to provide all confirmations and / or documentation required for Interim & Final Certificate for Payments	1	Item	
D	^^^1.3.1 No claims for delay and/or additional expense will be entertained under the contract due to delays by the builder in notifying all inspections	1	Item	
E	^^^1.3.2 No claims for delay and/or additional expense will be entertained under the contract due to delays in completing builders inspections	1	Item	
F	^^^1.3.3 No claims for delay and/or additional expense will be entertained under the contract due to delays caused by re-inspections or provision of records	1	Item	
G	^^^1.3.4 No claims for delay and/or additional expense will be entertained under the contract - Contractor to use best endeavours to minimise any delays in inspection	1	Item	
H	^^^1.3.5 No claims for delay and/or additional expense will be entertained under the contract - The Employer may employ and pay other persons to provide such records, certificates or confirmations and all costs incurred in connection therewith shall be recoverable from the Builder	1	Item	
J	^^^1.4 Phased Construction: Section Completion - The Builder shall promptly provide the documentation set out in detail of this document for each individual phase or section of the works that is identified in the Preliminary Inspection Plan and Inspection Notification Framework. This project is to be constructed in two parts with sectional handover of the first part prior to commencement of construction of the second adjoining part. It will be necessary to complete BC(A)R separately for each section of the building.	1	Item	
Extension and External Works		To Collection €		

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5) <i>2.0 Builder (Main Contractor) Obligations</i> All of the obligations in this document are deemed to form part of the works requirements/ building contract and are to be included in the Builders tender costs. The Builder shall cooperate and coordinate with the Assigned Certifier and shall confirm and /or provide the following:				
A	^^^1. that they accept from the Building Owner the assignment to build and supervise the building or works and provide/sign the statutory forms (see Appendices A) identified in the Commencement Notice	1	Item	
B	^^^2. that they have familiarised themselves with the drawings, specifications and documents lodged with the Commencement Notice	1	Item	
C	^^^3. Agree the execution, Inspection milestones, sequence and programme of works with the CA/ ER & Assigned Certifier in advance of commencement of works	1	Item	
D	^^^4. ensure Competent Person(s) are assigned to oversee the general construction works and/or specialist works. The specialist works and associated Assigned Certifiers which the Builder is responsible for are identified on a preliminary basis in the Inspection Notification Framework issued at tender	1	Item	
E	^^^5. that they will co-operate at all times with the CA/ER, design team, the Assigned Certifier and other Ancillary Certifiers	1	Item	
F	^^^6. ensure that the workmanship complies with the requirements of the Building Regulations	1	Item	
G	^^^7. ensure that materials which they select and for which they are responsible comply with the requirements of the Building Regulations	1	Item	
H	^^^8. Confirmation with documentation is provided at interim certificate stage if requested by the AC via the CA/ER	1	Item	
J	^^^9. Provide a signed statutory form- Certificate of Compliance on Completion at handover	1	Item	
K	^^^10. Promptly provide to the Assigned Certifier, via the CA/ER, all documents requested by the Assigned Certifier to enable the Assigned Certifier to collate particulars for the purposes of handover and certification, and/or for further submissions to the Building Control Authority	1	Item	
Extension and External Works				To Collection €

2. CONTRACT

(Cont) 2. CONTRACT				
(Cont) 2.1 Form, type and conditions of contract				
(Cont) THE SCHEDULE - PART 1				
(Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
^^^11. ensure the coordination and provision of all test certificates and confirmations to the Assigned Certifier via the ER/CA, to the satisfaction of the Assigned Certifier	1	Item		
^^^12. co-ordinate the work of all specialist sub-contractors and designers to ensure the coordination and provision of all test certificates and confirmations to the designated inspectors, or Ancillary Certifiers, who are required to provide Ancillary Completion Certificates, as identified by the Assigned Certifier at any stage during the project. Refer to Works Requirements for list of Ancillary Certificates required.	1	Item		
^^^13. ensure the coordination and provision of all test certificates and confirmations to the Assigned Certifier via the ER/CA, to the satisfaction of the Assigned Certifier	1	Item		
^^^14. co-ordinate the work of all specialist sub-contractors and designers to ensure the coordination and provision of all test certificates and confirmations to the designated inspectors, or Ancillary Certifiers	1	Item		
^^^15. Maintain records as detailed in the Works Requirements	1	Item		
^^^16. Comply with the detailed requirements of the Preliminary Inspection Plan and Inspection Notification Framework as issued at tender, and as updated	1	Item		
^^^17. Provide/furnish Ancillary Completion Certificates to the Assigned Certifier via the CA/ER for specialist works with design	1	Item		
^^^18. Co-operate with the Assigned Certifier, in the lodgement of supplementary documentation to the Building Control Authority during the course of the works	1	Item		
^^^19. Incomplete design work or specialist design that is not available for submission at commencement stage can be submitted to the Building Control Authority at a later stage	1	Item		
^^^20. Between 3-5 weeks in advance of a nominated completion date, provide all completed or prospective documentation and confirmations for which the Builder is responsible for, to the Assigned Certifier.	1	Item		
Extension and External Works				
			To Collection €	

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5) <i>3.0 Statutory BC(A)R Assignment & Certificate Forms</i>				
A	^^^3.1 In advance of the commencement of the works, in addition to and accompanying the commencement Notice, there are 2 statutory assignments and 3 statutory certificate's to be completed on-line using the Building Control Management System on-line system. The format for these are as per the Second Schedule, SI 9 2014. At completion, a 4th statutory certificate is completed on-line using the Building Control Management System on-line system. The format for these are as per the Second Schedule, SI 9 2014.	1	Item	
B	^^^3.2. The two assignments, A1 and A2 as follows are submitted with the Commencement Notice; A.1) Notice of Assignment of Assigned Certifier (Notice of Assignment of Person to Inspect and Certify Works); A.2) Notice of Assignment of Builder	1	Item	
C	^^^3.3 There are three statutory certificates F1, F2, F3 as follows to be submitted by the Building Owner with the Commencement Notice; F1) Design Certificate (Form of Certificate of Compliance-Design); F2) Undertaking by Assigned Certifier (Form of Certificate of Compliance); F3) Undertaking by Builder (Form of Certificate of Compliance)	1	Item	
D	^^^3.4 The fourth statutory certificate, F4 is co-signed by the Assigned Certifier and Builder and submitted at project completion. F4) Certificate of Compliance on Completion	1	Item	
E	^^^3.5 No works shall commence on site until a valid Commencement Notice, including all the associated uploaded documentation, has been submitted to, and successfully registered by the Building Control Management System. <i>4.0 Ancillary Certifiers & Ancillary Completion Certificates</i>	1	Item	
F	^^^4.1. The Builder shall co-coordinate the work of all specialist sub-contractors and all specialist subcontractors with design	1	Item	
G	^^^4.2. The Builder shall coordinate the work of all the Ancillary Certifiers	1	Item	
H	^^^4.3. Post Tender and prior to the issue of the Commencement Notice and subsequently as the works proceed, the Builder shall coordinate the notification of inspections and records with the Assigned Certifier and the Ancillary Certifiers in accordance with the Inspection Notification Framework	1	Item	
Extension and External Works 2/21 To Collection €				

2. CONTRACT

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	^^^4.4. The forms of Ancillary Completion Certificate to be used are included in the Tender Documentation <i>5.0 Builder (Main Contractor) and Specialist Sub-Contractor Supervision</i>	1	Item	
B	^^^5.1. The Contractor shall ensure that there are at all times on the site sufficiently suitably qualified, experienced and competent staff to supervise all work carried out under the contract	1	Item	
C	^^^5.2. Supervision of the works shall always be the responsibility of the Builder and where relevant, the specialist Sub-Contractor (s).	1	Item	
D	^^^5.3. Supervisors shall be provided both on and off the site that shall instruct the Sub- Contractor's tradesmen	1	Item	
E	^^^5.4. Undertake all work with skill and care in order to produce work fit for its intended purpose and of good quality under the direct supervision	1	Item	
F	^^^5.5. Sub-Contract pre-installation meetings shall be organised by the builder with the CA/ER, Assigned Certifier, Specialist Sub-Contractor, and Manufacturer's representatives, The Builder shall keep records of all such meetings	1	Item	
G	^^^5.6. the Sub-Contractor shall notify the Builder the names of his appointed supervisors. No work shall be carried out unless one of the appointed supervisors is present	1	Item	
H	^^^5.7. All work shall be carried out in accordance with the terms and requirements of the works requirements and approved submissions and samples.	1	Item	
J	^^^5.8. The Architect or Assigned Certifier shall, if required, make random or periodic visits to suppliers premises to ensure that standards of manufacture and quality control are to their satisfaction. <i>6.0 The Preliminary Inspection Plan</i>	1	Item	
K	^^^6.1. The Preliminary Inspection Plan is a statutory document prepared by the Assigned Certifier that is has to be submitted to the Building Control Authority by the Employer with the Commencement Notice a minimum of 2 weeks and a maximum of 4 weeks in advance of the commencement of the works. At project completion the Inspection Plan as implemented is submitted to the Building Control Authority.	1	Item	
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(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	^^6.2. It is the responsibility of the Builder to employ competent persons to supervise the works. The inspection plan shall not in any way diminish the duty of the Builder to properly supervise, and any defective works, whether identified during or after the contract period, remain the sole responsibility of the Builder.	1	Item	
B	^^6.3. The Builder shall include with his tender submission a Method Statement and his own Preliminary Inspection Plan indicating his own inspection and supervision regime.	1	Item	
C	^^6.4. A copy of the Preliminary Inspection Plan is included within the Tender Documents	1	Item	
<i>7.0 The Inspection Notification Framework</i>				
D	^^7.1. The Inspection Notification Framework identifies in detail and by trade/stage and critical milestone what the Assigned Certifier, Builder, and Ancillary Certifiers (designers, specialist sub-contractors, suppliers, w/wo design) are required to inspect, when they are to inspect, and if records are required.	1	Item	
E	^^7.2. The Builder shall have regard to the Inspection Notification Framework issued at tender with respect to programming of the works.	1	Item	
F	^^7.3. The tenderers are to include for all costs associated with the INF	1	Item	
G	^^7.4 . The Builder shall coordinate the inspections and provision of records of the Ancillary Certifiers for which he is responsible	1	Item	
H	^^7.5. The Builder shall at tender submit an associated method statement identifying on a preliminary basis how the INF and Inspection Protocols will be achieved	1	Item	
J	^^7.6. Project Specific Identified Risk Elements	1	Item	
K	^^7.7. Project Specific Tests Requirements	1	Item	
<i>8.0 Inspection Protocols</i>				
L	^^8.1. The inspection requirements set out in this document do not in any way relieve, replace, or reduce the builders duty to supervise the works.	1	Item	
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(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	^^8.2. Coordination of tests, inspections & records: (a) the appointed Builder shall meet and coordinate and update the Inspection Notification Framework and preliminary Inspection Plan with the builders construction programme. (b) The Preliminary Inspection Plan is updated to show the agreed inspection milestones. (c) all elements identified in the Inspection Notification Framework to be made available for inspection at each milestone complete, not concealed and safely accessible. (d) The Builder shall facilitate random inspections by the Assigned Certifier or Ancillary Certifiers as if such inspections were identified in the Inspection Notification Framework. (e) The Builder to provide in a timely manner all certificates and tests for materials, products and assemblies	1	Item	
B	^^8.3. Advance notice and time for inspections: (a) 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. (b) 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.	1	Item	
C	^^8.4. Re-Inspections/Follow up inspections: (a) The minimum notice required for re-inspection of items of works not complete or requiring remedial works shall be 3 working days. (b) The Assigned Certifier shall without delay notify the Builder of any incomplete work at a given milestone identified in the Inspection Notification Framework. (c) 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.	1	Item	
D	^^8.5. 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. 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. 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.	1	Item	
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(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	^^8.6. Non-Conformance: (a) Materials & Workmanship-contract clauses. (b) Contract /Works Requirements - contract clauses. (c) Missed Inspections - Ultimately they are recorded on the completed Preliminary Inspection Plan and registered with Building Control. <i>9.0 Record Keeping (Builders Progress Records)</i>	1	Item	
B	^^9.1. 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.	1	Item	
C	^^9.2. The Tenderers shall include in their tender costs for the provision of progress records as the works proceed.	1	Item	
D	^^9.3. Method of Recording	1	Item	
E	^^9.4. Promptly provide a copy to the Assigned Certifier of all progress records and inspection records prepared by the Builder and the Ancillary Certifiers	1	Item	
F	^^9.5. At completion the Builder shall issue the AC a copy of the records prepared by the Builder and the Ancillary Certifiers.	1	Item	
G	^^9.6. 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.	1	Item	
H	^^9.7 One hardcopy and/or softcopy of all records shall be issued 5 days in advance of the nominated completion date.	1	Item	
J	^^9.8. 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.	1	Item	
K	^^9.9. Acceptance of such records shall not constitute approval or imply that their content has been examined.	1	Item	
	<i>10.0 Tender Submittal Requirements</i> The apparently successful tenderer shall submit the following documentation after tender. The submission of satisfactory documentation is precedent to the award of the contract.	1		
L	^^1.Builders Competence Assessment	1	Item	
M	^^2.Sub-Contractor/Specialist Competence (Ancillary Certifiers) Assessment	1	Item	
Extension and External Works				
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2. CONTRACT

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	^^^3.Builders Method Statement	1	Item	
<i>11.0 Completion</i>				
B	^^^11.1. Tenderers shall note that Substantial Completion for this contract is contingent upon the successful registration of the works on the Building Control Management System.	1	Item	
C	^^^11.2. 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.	1	Item	
D	^^^11.3. 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 co-sign the Completion Certificate.	1	Item	
E	^^^11.4. The Assigned Certifier and Builder shall then lodge/upload the documentation onto the Building Control Authority system.	1	Item	
F	^^^11.5. 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.	1	Item	
G	^^^11.6 Refer also to Sections 9 above for the project specific requirements for records and method for retaining records.	1	Item	
<i>12.0 Additional BC(A)R Requirements</i>				
^^^Fire Protection Photographic Log				
^^^^Refer to the Volume A Works Requirements 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 walls/ floors) (non exhaustive)				
H	^^^^Inspect & photograph each and every element of fire protection during construction:	1	Item	
J	^^^^Provide a detailed report and photographic log upon completion with interim reports at each fortnightly site meeting	1	Item	
K	^^^^Provide Cs Cert for supply & installation of firestopping	1	Item	
^^^Wall Ties Photographic Log				
Extension and External Works				To Collection €

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	^^^^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. <i>COMPLIANCE WITH BUILDING CONTROL ACT 2007</i>	1	Item	
B	All building works to conform fully with the requirements of the Building Control Act 2007 (including current amendments, current statutory instruments and all current Building regulations) and specific items of works are to be executed strictly in accordance with the recommendations set out in the various current Technical Guidance documents A-M. A full set of the Technical Guidance Documents to be provided and kept on site at the Contractor's expense.	1	Item	
C	The Contractor on completion of the said Contract Works is to issue a certificate in a form acceptable to the Employer's Representative and Client confirming that all the Contract Works have been executed in accordance with the requirements of the Building Control Act 2007 and any amendments thereof. <i>CONSTRUCTION CONTRACTS ACT 2013</i>	1	Item	
D	The Contractor shall comply with the Main Contractor requirements as set out in the Construction Contracts Act 2013 and shall include for all costs associated with same. The "payment claim date" shall fall within the final full calendar week of each month for the duration of the construction Contract until the Certificate of Practical Completion is awarded. <i>2.2 Contractor's liability</i>	1	Item	
E	Contractors liability for risk or injury to persons and property and of damage to the works.	1	Item	
F	Provide for taking out and maintaining Public Liability and Employer's liability Insurances against injury to persons and property (minimum sum for Public Liability Insurances: (Ç6,500,000 for each and every claim; minimum sum for Employer's Liability Insurance Ç13,000,000) as required by the Conditions of Contract.	1	Item	
Extension and External Works To Collection €				

2. CONTRACT

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	The Employer requires the Contractor to effect insurance in respect of the Contractor's liability for any such risk.	1	Item	
B	Provide for taking out and maintaining All Risks Insurance for the full value of the Works and ancillary items required by the Conditions of Contract.	1	Item	
C	The Contractor shall 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/her own expense. He/she is to indemnify the Employer in respect of any claim for disturbance or damage arising out of the foregoing	1	Item	
D	Before site clearance commences, the developer shall submit proposals for the off-site disposal of waste excavation material, which shall only be disposed off to a site which has a current waste licence or waste permit in accordance with the Waste Management Act, 1996. The details shall be submitted to, and agreed in writing with, the Planning Authority	1	Item	
E	The prices and rates shall include for any costs arising from the Contractor's obligations under the Waste Management Act 1996. or any other environmental legislation, with particular regard to the holding, transport recovery and disposal of waste arising from the carrying out of the works.	1	Item	
F	Insurances provided by Contractors must be authorised for this jurisdiction.	1	Item	
G	Any insurance policies which are renewed on or after 01 January 2021 with a UK domiciled Insurer will not be permitted in the ROI.	1	Item	
H	Any insurance policies which were in force prior to 01 January 2021 with a UK domiciled Insurer will remain valid (solely for the purposes of paying claims) for a period of 15 years.	1	Item	
J	The Contractor will need to have evidence Employers Liability and Public/Products/Pollution Liability insurances that cover the activities of Asbestos Handling/Removal and include both the Employer and the Main Contractor as additional Insureds and a Non-Vitiation clause under their Public/Products/Pollution Liability insurance.	1	Item	
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2. CONTRACT

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5) <i>2.3 Insurance liability of Employer</i> A 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 <i>2.4 Local Authority fees and charges</i> B A Roads Opening Licence must be obtained from Louth County Council prior to the commencement of any works in the public domain in order to comply with the Roads Act 1993. C Contractor to seek local authority approvals/ licenses as necessary to carry out the works through to completion. D The contractor is obliged to provide for Road opening licence(s) and/or Temporary road closure licence(s) for the works in relation to works outside the boundary of the site in public roadways, footpaths, verges etc. The contractor must provide all information as requested by Louth County Council, the NRA and all other involved parties. E Louth County Council shall be consulted with regards to the amount of the fees to be paid. The Contractor must include herein for all associated fees and charges F The tendering Contractor is to visit the site and it's surrounding location (as indicated in the Works Requirements) to ascertain the exact length of road opening required and contact the Local Authority to ascertain the fees required in this regard. <i>2.5 Obligations and restrictions imposed by the Employer</i> <i>a) Access to and possession or use of the site.</i>				
	1	Item		
	1	Item		
	1	Item		
	1	Item		
	1	Item		
	1	Item		
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(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5) <i>Construction Access</i>				
A	The Contractor will be responsible for providing, maintaining and removing all required pedestrian and vehicles access and egress points to the Works in accordance with the phasing drawings, the Traffic Impact Assessment Report, planning permission conditions, the preliminary Health & Safety Plan, the Safety, Health and Welfare at Work (Construction) Regulations 2013 and the Health and Welfare at Work (General Application) Regulations 1993. The Contractor is also responsible for providing, maintaining and removing all traffic management for all users of the public road and all School-related traffic as required by the phasing and construction of the Works. The Contractor shall pay particular care to avoid delay especially to neighbours and to users of the public road, including, where necessary, scheduling of deliveries to site outside of peak traffic periods, routing of site-related vehicles to avoid residential areas and existing schools, and, liaising with neighbours, other construction sites in the area, Local Authority Traffic and Roads Departments and local Gardai. All of the above provisions, and all others considered necessary for the safe execution of the Works, shall be outlined in a Construction Traffic Management Plan, which shall be made available to the ER prior to commencement on Site, and, be revised and maintained as required during the course of the Works.	1	Item	
B	Allow for all costs associated with providing temporary access to the existing school building by the Emergency Services, School staff and Pupils etc. and others whom require access to the school; provide necessary safe routes for both pedestrian and vehicular traffic; include for all necessary adjustment and maintenance of these routes to ensure the safety of all; include all making good work to areas disturbed	1	Item	
C	Construction access to the proposed site area will be via the existing double gates to the front of the existing school for the Works. Contractors are advised to carefully review the Volume A Works Requirements in this regards. No claims from a lack of understanding of site access or restrictions will be considered.	1	Item	
D	School and construction traffic are to be separate at all stages of construction. Construction traffic shall not park in the vicinity of the existing school buildings, or along The Public Road and surrounding residential developments/ Church and Shop. It is the responsibility of the Contractor to inform all subcontractors and suppliers of this restriction. This should be fully coordinated with the cschool before works commence.	1	Item	
Extension and External Works				
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2. CONTRACT

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	The Contractor should note they are operating on the site of an occupied school. 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.	1	Item	
B	Pedestrian / Cyclists - Pedestrian routes around the construction site are to be segregated from the vehicular routes. The pedestrian routes will be demarcated with a timber post and chain or similar visual/wayfinding system. Task lighting will be provided on the site and car parking areas. An area for bicycle parking facilities is to be provided for construction personnel.	1	Item	
C	All deliveries shall be outside of peak dropping off and collection times for pupils.	1	Item	
D	The existing school emergency exits and entrances shall be maintained throughout the construction period.	1	Item	
<i>Construction Access Restrictions</i>				
E	Construction Access is shown on the Architects Drawings and is to be described in the Contractor's method statement for Traffic Management of the Works. The area is to be maintained in a clean, safe, condition in full compliance with all applicable Health & Safety Regulations. The area is also to be secured against entrance by unauthorised persons including members of the public, adjoining residents, pupils, school staff etc.	1	Item	
F	The working space for the Contractor will be confined to the immediate sites of possession as shown on Architect's Drawing T104-A. The Contractor should note that he or she will be required to keep the school and site and adjacent public areas free of debris, muck, dust and the like and shall control noise and vibration.	1	Item	
G	The Contractor is required to provide a secure, control gate access point to the site for all Phases of the Works.	1	Item	
H	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.	1	Item	
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2. CONTRACT

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	The Contractor shall ensure that no damage is caused to the existing roads due to the delivery of materials or the removal of site materials, demolitions or 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.	1	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.	1	Item	
C	In the event of fouling of any roads due to any operations the Contractor will be expected to clean them expeditiously at their own expense to the satisfaction of the Employer's Representative and/or Employer. The Contractor shall be entirely responsible for any damage due to his failure to comply with this clause.	1	Item	
D	Wheel Wash - During the bulk excavation stage, a wheel wash will be a requirement for all vehicles leaving the site. The wheel wash assists in reducing the displacement of materials onto the local road network.	1	Item	
E	Road Cleaning - The Construction Traffic Manager will ensure traffic management principles, and the mitigation measures are implemented and that the public road is kept clear of mud and debris through ensuring that loads are suitably sheeted and secured and undertaking regular street cleaning as necessary.	1	Item	
F	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.	1	Item	
G	The Contractor shall provide and maintain a full time "log in and out system" for all persons entering the works.	1	Item	
H	The Contractor must not use the Site and Area Provided by the Employer for any other purpose other than complying with the Works Requirements;	1	Item	
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(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5) <i>Access for Employer Representative to Site and Workshops</i> A The Employer Representative and any person authorised by him shall at all times have access to the Works and to the Site and to all Workshops and places where work is being prepared or where materials, manufactured articles and machinery are being obtained for the Works and the Contractor shall afford every facility for and every assistance in or on obtaining the right to such access. <i>b) Limitations of working space</i> B Provide for complying with the limitations of the Site area and working space. C The working space for the Contractor will be confined to the immediate sites of possession as shown on Architect's Drawing T104-A. The Contractor should note that he or she will be required to keep the school and site and adjacent public areas free of debris, muck, dust and the like and shall control noise and vibration. D The Contractor must note that the works is to be carried out in / adjacent to a 'live school' and the existing school daily activities will have to continue, along side the construction works, on an uninterrupted basis. The Contractor should undertake adequate research and visit the site to ensure he is fully aware of the existing routines of the school and its patrons at present. The Contractor must provide herein for all costs associated with ensuring the uninterrupted continued use of the school. No claims on the grounds of want of knowledge in this respect will be entertained whatsoever.	1 1 1 1	Item Item Item Item		
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(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	The majority of the works are to proceed during the academic year within a live school environment. The Contractor must note that a teaching / pupil presence will exist within the school at all times. The Contractor will be responsible for their control and safety both on the construction site and all boundaries and interfaces with the school and its activities. The Contractor shall respond and deal immediately with any reasonable safety issue that may be raised by the school during the building works. If the School raises any concern about safety, the Contractor's site manager shall respond promptly and address the issue satisfactorily within a reasonable time frame and take whatever measures are necessary to ensure such an issue does not occur again. A programme / sequence of works shall be agreed in coordination with the Employer's Representative and Sandpit National School	1	Item	
B	The Contractor must confine his operation within the immediate area covered by the works and such other area as may be indicated on drawings and will make good at his own expense any damage to buildings, grounds, roads or shrubbery occasioned through negligence or non observance of this clause.	1	Item	
C	Only these areas are to be used for contractor facilities, storage of materials etc., necessary for the works and skips for waste/rubble removal etc and must also be used by all subcontractors.	1	Item	
D	Where work is described as being beyond the boundary of the Site or in a Public Highway, the Contractor's prices shall be deemed to include for the following as required; adequate watching and lighting traffic signalling, temporary barricades, walking platforms and warning notices sufficient to ensure the safety of all persons and removing on completion, giving notice to the Local Authority, paying their fees and charges and carrying out the work to their satisfaction. The Contractor's prices shall also include for maintaining in working order all services, conduits, telephones cables, etc and for making good any damage done thereto, by reason of these Works, to the satisfaction of the Authority concerned.	1	Item	
E	Where work is described as being beyond the boundary of the Site or in a Public Highway, the Contractor's prices shall be deemed to include for all NRA obligations and requirements	1	Item	
F	The Contractor's attention is drawn to the restrictive nature of this site. He is referred to 'Works Requirements' and Architect's Drawings in this regard.	1	Item	
Extension and External Works				
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(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5) <i>c) Limitations of working hours.</i> <i>The limitations on working hours will apply:</i>				
A	The hours of operation on site shall be restricted to those outlined in the Grant of Planning Permission. No works on Sundays, Bank Holidays or Public Holidays.	1	Item	
B	Cognisance should be taken of the requirement of BS 5228 :2009 (Noise & Vibration Control on Construction & Open Sites) and have regard to the World Health Organisation (WHO) - Guidelines for Community Noise (1999).	1	Item	
C	If there is any occasion when works must be carried on outside daytime hours, the Environmental Health Officer, local residents, The Church and businesses in areas which are likely to be affected by noise from the proposed works shall be notified in advance, e.g. by letter or leaflet or in advertisement form.	1	Item	
D	The Main Contractor should liaise with the Local Authority and local residents to avoid future noise and traffic issues	1	Item	
E	The contractor shall liaise with the school and agree reasonable time restrictions for any half days, proposed holidays and during exams periods etc.	1	Item	
F	All deliveries shall be outside of peak dropping off and collection times for pupils - refer to previous clause with regards delivery restriction times	1	Item	
G	The Contractor should note they are operating on the site of an occupied school. 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.	1	Item	
H	Further Time Constraints: Comply with any time constraints as set out in any relevant planning permissions; Comply with any school time constraints; Comply with any restrictions stated in, arising out of or implied because of the Sectional Completions	1	Item	
J	Contract Stated Time Constraints; The time constraints in this section come within clause 7.11 of the contract	1	Item	
Extension and External Works		To Collection €		

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	The Contractor shall herewith allow for any costs involved in complying with the limitations noted under convenience of neighbours and occupants	1	Item	
B	The contractor should allow for all costs involved in maintaining public relations with adjoining property owners, especially in relation to working hours, deliveries, noise levels and interruptions.	1	Item	
C	Provide for liaising with the Employer's Representative to arrange suitable times for carrying out work.	1	Item	
D	Subject to any provision to the contrary contained in the Contract none of the permanent work should be carried out during the night or Sundays without the permission of the Employer's Representative except when the work is unavoidable or absolutely necessary for the saving of life or property or for the safety of the Works in which case the Contractor shall immediately advise the Employer's Representative.	1	Item	
E	Any overtime working shall be in strict compliance with statutory requirements and any arrangements for such working shall require the Employer's Representative's prior agreement in writing.	1	Item	
	<i>d) Limitations on use operation of plant with respect to adjoining property</i>			
F	The Contractor shall consult the convenience of anybody who may be affected by the work with regard to the approaches to be used, suitable times for making deliveries and all other matters affecting them.	1	Item	
G	The Contractor should note they are operating on the site of an occupied school with pupils and staff and residential developments in close proximity. The Contractor shall include noise monitoring which shall a) establish current noise levels around the site and within the school and b) monitor noise levels within the school site and building during the various stages of the project. Noise during site clearance and construction shall not exceed 65 dB (A), Leq 30minutes and the peak noise shall not exceed 75 dB (A), when measured at any point off site.	1	Item	
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(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5) <i>e) The use or disposal of any material found on the site.</i>				
A	No sand, ballast, gravel, coal or other useful material shall be removed from the Site, nor become the property of the Contractor, nor be used in the Works except on the express instructions of the Employer's Representative, in which case the quantity used, if any shall be measured and valued by the Quantity Surveyor and such value deducted from the Contract Sum.	1	Item	
B	Disposal of Toxic Items; Allow for the following in the event of encountering toxic matter on site: i. Specific safety plan for removal of asbestos ii. Prepare and keeping of occupational health register and workers' health assessment / surveillance iii. Specialist PPE / PPC iv. Separate cleaning / showering facilities, storage for clothes.	1	Item	
C	Pollution; Do not deposit deleterious material into surface water channels or lakes. Comply with the requirements of the Rivers Pollution Protection Act, the Public Health (Ireland) Acts, and the Fisheries Acts.	1	Item	
D	The Contractor shall not deposit deleterious material in drains : The Contractor shall comply with statutory requirements in respect of disposal of waste. The contractor shall implement an agreed waste management policy and keep records of the disposal of all waste material from the site.	1	Item	
<i>f) Hoardings, fences, screens, temporary roofs, temporary name boards and advertising rights.</i> <i>Refer to Architect's Drawing Nr. TD/0102 'Site Layout' which indicates among others:</i>				
E	^^^ site boundary lines	1	Item	
F	^^^ site access	1	Item	
G	It is a requirement that all protective measures necessary are provided by the contractor to ensure the safe construction of the works. Responsibility for the construction of the works in compliance with the Safety, Health and Welfare at Work (Construction) Regulations 2013 rests with the contractor.	1	Item	
Extension and External Works		To Collection €		

2. CONTRACT

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	The Contractor shall be deemed to have included in their tender for the protection of the site boundaries with the existing school, surrounding roads and the completed works. Prior to appointment the contractor shall provide a detailed construction management plan and before any works commence so as to ensure safe access is maintained at all times for pedestrians and vehicles in the vicinity.	1	Item	
B	The extent of the site area is clearly defined on Drawing T104-A. The Contractor shall mark all boundaries with warning signs to make clear that access to third parties is not allowed. The contractor shall erect 2.4m high, suitably solid and secure hoarding with independent posts to all boundaries. Hoarding is not to be fixed to existing fencing. All hoarding shall be to the contractor's temporary works design and coordinated with the PSDP.	1	Item	
C	Hoardings at a minimum; Provide secure well marked temporary fencing, hoardings, planked footways, guard rails, as may be necessary to delineate the limits of the building site within the school area, to protect school personnel, members of the public and others, for the proper execution of the Works and to prevent unauthorised entry to or trespass beyond the boundaries of the site. The hoardings shall meet the requirements of the Local Authority. The Contractor is required to submit their hoarding design, design risk assessment, and HSA Temporary Works Design Certificate to the Employer's Representative, and PSDP, for approval prior to commencing construction works on site. NOTE: Harris fencing is not sufficient and not permitted.	1	Item	
D	Ensure that secure segregation between areas occupied by the Contractor and areas occupied by the school / public is maintained at all times. Hoardings shall be moved and adapted as necessary.	1	Item	
E	Ensure that the site is fully secure and that the public cannot encroach on areas occupied by the Contractor	1	Item	
F	Contractor to provide site signage indicating construction access / deliveries, access/ egress points and general public safety signage.	1	Item	
G	Directional Signage; Provide and erect temporary directional signage to identify the site and its access route.	1	Item	
H	Advertisements shall not be displayed on the site without the consent of the Employer's Representative.	1	Item	
Extension and External Works		To Collection €		

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	Provide Project Display Board incorporating Employer, Contractor, Consultants panels and a 3D image of the completed project to be erected in the vicinity of the Site. The sign should be large enough to include the panels etc. noted and should be constructed of materials and erected to last for the duration of the Works. Boards are to be mounted on galvanised steel posts with concrete foundations including suitable steel bracing. Boards are to be located in positions to be agreed with the Employers Representative.	1	Item	
B	The location for the project display board is to be agreed with the Employer's Representative prior to installation and the sign must remain in position for the entire duration of the project and for the required period thereafter	1	Item	
C	Provide temporary fencing, hoardings, fans planked footways, guard rails, as may be necessary to protect the public and others, for the proper execution of the works and to prevent unauthorised entry to or trespass beyond the boundaries of the site. The scaffolding and hoardings shall meet the requirements of the Local Authority. Alter, shift and adapt as necessary, remove bills, notices etc from faces of hoardings.	1	Item	
<i>Dust Screens/ Dust Control Measures</i>				
D	During construction phase, all necessary steps shall be taken to contain dust and airborne pollutants arising from the site and to prevent nuisance to persons in the locality. These steps shall include:	1	Item	
E	^^^Covering slag heaps	1	Item	
F	^^^Netting of scaffolding	1	Item	
G	^^^Regular road and pavement damping and sweeping	1	Item	
H	^^^Use of water spray to suppress dust	1	Item	
J	^^^Proper paved or hard stand access for trucks and vehicles to and from site to prevent dirt and dust from the site being carried from the site into the public roads etc.	1	Item	
K	The Contractor is to be responsible for the supply and placing of all dust sheets necessary to protect all furniture and equipment that may be delivered to the buildings during the course of the work.	1	Item	
L	The Contractor is to be responsible for the supply, placing, removing and making good of all dust screens deemed necessary by the Employer's Representative.	1	Item	
Extension and External Works			To Collection €	

2. CONTRACT

<u>(Cont) 2. CONTRACT</u> <u>(Cont) 2.1 Form, type and conditions of contract</u> <u>(Cont) THE SCHEDULE - PART 1</u> (Cont) F(i). Collateral Warranties (Sub-clause 5.5) The Contractor should include all costs associated with constructing dust proof partition walls (walls to achieve a U-value of 0.22 and provide 1 hour fire protection) at breakthrough points between existing and new buildings and within sections of the existing building where works are to take place. Ensure that secure segregation between areas occupied by the Contractor and areas occupied by the school / public is maintained at all times. Hoardings shall be moved and adapted as necessary. Ensure that the site is fully secure and that the public cannot encroach on areas occupied by the Contractor Contractor to provide site signage indicating construction access / deliveries, access/ egress points and general public safety signage. <i>g) The maintenance and protection of existing services on, under or over the site.</i> All services and utilities serving the school are to be maintained at all times. The Contractor shall ensure that all Works are planned to allow for this requirement. Any disruption to school services and utilities should be the minimum disruption required to make tie-ins in a safe manner. The existing school security, fire safety alarms and electrical systems must be maintained at all times save for agreed (with the Employers Representative and school) programmed limited periods to allow tie-ins between 8am and 4pm Monday to Friday excluding public holidays. The Contractor will be responsible for all costs associated with alterations to or additional provision of any utilities made necessary as a result of the Works and will assume all risk (including costs and any other financial consequence, whether incurred by the Contractor, the Authority or any existing school) in relation to any interruption in, failure of supply to or availability of services to the existing school arising as a result of any act or omission of the Contractor or the Contractors Personnel, including in relation to complying with its obligations under this Section. Provide for maintaining the flow in all/any existing drain runs at all times.		1	Item		
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2. CONTRACT

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	Provide for protecting and maintaining all services under or over the site.	1	Item	
B	Provide for all costs involved in locating, protecting and work around existing services during the Works. Assume all excavations in this regard will be carried out by hand.	1	Item	
C	The Contractor should undertake adequate research and visit the site to ensure he is fully aware of all existing services present. The Contractor must provide for maintaining these services if necessary. No claims on the grounds of want of knowledge in this respect will be entertained whatsoever.	1	Item	
D	The contractor is fully responsible for the management and disposal of all surface water and foul water from the construction site for the full duration of the works. The contractor shall note the Local Authority may not provide a temporary connection to the public system. The contractor shall allow for and provide measures necessary to deal with this restriction if it arises, including temporary tanks etc.	1	Item	
<i>Public and Private Services</i>				
E	Notify all service authorities of the proposed works before commencing site operations. So far as reasonable, ascertain location of services or confirm that none exist in the vicinity of the works. Protect, uphold and maintain all services. Do not interfere with their operation without consent of the service authorities or private owners, or the Employer's Representative as appropriate.	1	Item	
F	Ensure that any work that may involve a risk to disruption to existing live services in the neighbourhood is agreed in advance with the local authority / neighbours. All such work shall, in any event, be pre-planned and agreed with the neighbours. Method Statements must be prepared, issued and agreed in advance of all work on or near live services.	1	Item	
<i>Existing Pipelines and Utility Services</i>				
G	Where the works involve the construction of connections and modifications to existing pipelines and utility services, maintain the flows in existing pipes, sewers and water courses disturbed in the course of construction of the Works, and shall provide all temporary works and pumping necessary to do so and where such works are outside of the site boundary the Contractor shall consult with the drainage department of the local authority and submit schedules and methods of his work for its approval prior to the execution of these works including connections.	1	Item	
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(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	It may be necessary to raise and relay some existing services during the course of the construction Works. The Contractor shall, in this event, conduct his operations in such a manner that the minimum disruption possible is caused to the normal working of these services. The Contractor shall consult the responsible Local Authority and submit schedules and methods of operation for approval prior to the execution of all such work.	1	Item	
B	The Contractor is responsible for all additional costs involved in the execution of this work and in providing temporary diversions, over pumping and other such means to maintain the required levels of service during the construction of the Works.	1	Item	
C	It may be necessary to raise and relay some existing cables, ducts, chambers and similar belonging to the E.S.B., Eircom, Board Gais or other utility providers or any existing Site power and control cables etc. in the path or adjacent to the line of the proposed construction Works. The Contractor shall consult the responsible utility provider prior to the commencement of excavations for pipe laying or similar operations and submit schedules and methods of operation for approval.	1	Item	
D	The Contractor shall be responsible for dealing with all aspects of work affected by water arising from all natural sources and causes as well as due to leakages from water or sewer mains adjacent to excavations of temporary and permanent Works.	1	Item	
<i>Services on and over the site</i>				
E	The Contractor shall allow for all costs in connection with maintaining existing services during the works. The Contractor is referred to the Site Services layouts for locations of the various services infrastructure ducting/pipe runs and shall take all measures necessary to ensure that existing services remain uninterrupted, save for where connection or alteration works are required in which case the works shall be carried out with the minimum disruption possible.	1	Item	
<i>Planned Services Interruptions</i>				
<i>The following measures are to be taken by the Contractor for planned services interruptions:</i>				
F	^^^1) The works are to be designed and method statements prepared by PSCS and issued to PSDP & Services Consultants for approval.	1	Item	
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2. CONTRACT

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	^^2) Risk Assessments and contingency plans to be issued and approved by the PSCS & PSDP.	1	Item	
B	^^3) Dates for carrying out the works to be agreed in advance.	1	Item	
C	^^4) Notification and regular written reminders to be issued to the Employers Representative in advance for the works being carried out.	1	Item	
<i>Existing Site Services - Survey</i>				
D	The Contractor shall, as any record drawings of existing services are provided for guidance only and must be verified by the Contractor on site by whatever investigation means as is appropriate, be deemed to have allowed for all such investigation and possible delays in commencement of his excavation and other allied works in his work programme and consequential costs for such Works in his tender.	1	Item	
<i>Damage To Roads</i>				
E	The Contractor shall be responsible for all damage to existing roads (private and/or public roads) caused by his own or Sub Contractor's or Suppliers' transport to and from the site. The approaches to the site shall be kept clear of mud and debris.	1	Item	
F	The Contractor shall be responsible for the maintaining and/or replacing of the existing bitmac access roads, carparking areas, footpaths and kerbs during the Contract and make good any damage caused by site traffic or site operations. The roads and carpark shall be kept free of mud and debris.	1	Item	
G	A full condition survey of the existing school access road shall be undertaken prior to commencement and issued to the ER for record. The Contractor is responsible for maintaining the surface of this shared access road throughout the construction period. This will include road surface repairs to potholes that develop whilst construction traffic use the shared access road. This road should be handed over in the same condition as before the commencement of the project.	1	Item	
H	The Contractor shall include for a photographic survey of the condition of the adjoining footpaths and roadways prior to starting onsite to negate later arguments with Louth County Council.	1	Item	
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(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5) <i>h) The execution or completion of the work in any specific order or in sections or phases, including any coincidental work not at the discretion of the contractor.</i>				
A	The contractor shall liaise with the school and agree reasonable time restrictions for any half days, proposed holidays and during exams. Reasonable flexibility will be required from the contractor at specific points during the contract where reduced noise may be needed by the school. To be by arrangement with the school and is dependent on the programme. <i>Services Connections/ Diversions</i>	1	Item	
B	The works include the connection of new services, through the existing building - both temporary and permanent connections. This work is described in detail in the services drawings and specifications in Volume A Works Requirements. The contractor shall note that access through the existing school is not available during term time and during normal opening hours. The contractor shall programme all works within the existing school including connections and commissioning to take place during school holiday periods only.	1	Item	
C	The Contractor shall liaise with the existing school to ensure all existing services are maintained at all times, in particular where final connections to the diversion of existing services need to be completed. Final Connections shall take place outside of normal school hours, to avoid the loss of service to the school. The Contractor shall include this restriction within their contract programme and tender.	1	Item	
D	All site utilities are to be maintained by the Contractor for the duration the works and until the new extension has been handed over.	1	Item	
E	The Tenderer shall note the phasing requirements of the project and shall ensure that their tender amount includes for all costs associated with same (See Works Requirements)	1	Item	
F	It is envisaged that in broad terms, the works will be constructed in a number of sections as outlined on the Architect's drawings and within the Work Requirements. The Contractor must identify his methodology, in accordance with the WR, and agree same with the ER prior to commencement	1	Item	
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(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	The Contractor must allow for costs necessary and associated with dealing with the phasing of the works. If so required, the Contractor can contact the ER at tender stage in order to clarify any queries regarding phasing as no claims on the grounds of want of knowledge will be entertained whatsoever.	1	Item	
B	Where the Contractor is required to carry out work outside of the designated site area (e.g. within the existing neighbouring building, elsewhere on the school grounds, on the public road) the Contractor shall liaise with the relevant occupier to agree scope, extent & timing and shall submit area by area proposals in sufficient time, prior to the intended works, to the ER for the ER to review, comment, request changes and or accept.	1	Item	
C	Notwithstanding any ER agreement as to these time-to-time Contractor's proposals, the Contractor shall be wholly and solely responsible for the micro management of the elements of the Works as regards all aspects of the contract including, but not limited to, Health & Safety of public, pupils, staff and workers, while also maintaining public and or school access as necessary at all times. The Contractor should not expect to obtain vacant occupancy of these areas at any or all times.	1	Item	
D	Tenderers to allow for complying with all requirements as set out in Volume A Works Requirements concerning the Sequencing of Works:	1	Item	
E	- Temporary construction access roads	1	Item	
F	- Sequencing requirements	1	Item	
G	- Hoarding to be provided	1	Item	
H	- Existing Services/ utilities	1	Item	
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(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5) <i>i) Maintenance of specific temperature and humidity levels.</i> A Provide all necessary temporary equipment, fuel and attendance for drying and controlling the humidity of the works to the complete satisfaction of the Employer's Representative and in sufficient time to ensure that completion of his own sub-contractors work is not delayed by failure to do so. Where the permission of the Employer's Representative is given to use the permanent heating system for drying and obtaining the necessary temperature and humidity levels, the Contractor shall allow for all costs related to this item including fuel and extending of warranties. <i>j) Temporary accommodation and facilities for the use of the Employer including heating, lighting, furnishing and attendance.</i> B Provide temporary offices for the use of the Employer's Site Representative/ Clerk of Works (the Employer reserves the right to appoint Clerks of Works on this project) and any other person acting on behalf of the Employer; the office shall be for at least 2 nr persons (office space) and be complete with ventilation, heating, power, lighting, broadband, telephone/ fax provision, 2No. desks with lock up drawers, 2No. operator chairs, 2No. filing cabinets, drawing rack, together with small meeting table and chairs. The office shall have a boarded floor, a cylinder latch on the door. The Clerk of Works shall be provided with a laptop including AutoCAD and Office 365 Software, Digital mobile phone with high resolution camera and iPad with hard protection case for recording defects and inspections on site, and thermometer. (Camera and laptop to be handed over to the Client on completion i.e. will become the property of the client). On completion the office shall be removed and the site made good. The Contractor must note that this office must be provided within one week of commencing on site. C Contractor to allow for the provision of the following specification for the COW laptop - HP ZBook Power G11 Mobile Workstation: Intel Core Ultra 7; 155H / up to 4.8 GHz; Win 11 Pro; RTX A1000; 32 GB RAM; 1 TB SSD NVMe, TLC; 16" IPS 920 x 1200; Ethernet, Fast Ethernet, Gigabit Ethernet, IEEE 802.11b, IEEE 802.11a, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac, IEEE 802.11ax (Wi-Fi 6E), Bluetooth Dual-Mode; Wi-Fi 6E, Bluetooth 5.3 wireless card; Unit Price ₺1,895.00; Revit LT Suite ₺733.00; MS Office 365 ₺127.00; Adobe Pro ₺300.00; Installation ₺120.00; Bag ₺30.00	1 1 1	Item Item Item		
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(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	Provide a temporary Meeting room for the use of the Employer, Employers Representative and the Design Team and any other person acting on behalf of the Employer; the meeting room shall be for at least 15 nr persons and shall be complete with heating, power, lighting, meeting table for (for 15 nr persons). The office shall have a boarded floor, a cylinder latch on the door. On completion the meeting room shall be removed and the site made good. The Contractor must note that this facility must be provided within one week of commencing on site. No payments will be made whatsoever until these facilities are in place.	1	Item	
B	The Contractor shall include a cost herein for providing within the temporary meeting room a full video conferencing platform to allow design team members to join site meetings remotely by Microsoft Teams, Zoom or similar. This should include wall mounted TV/ Monitor complete with camera, audio and speakers that can be linked to a laptop/ PC to facilitate such meetings. No claims on the grounds of want of knowledge will be entertained whatsoever.	1	Item	
C	Provide separate lockable toilet facilities.	1	Item	
	<i>k) Provision of connections to temporary voice and data communications systems for use of the Employer.</i>			
D	Provide all necessary temporary voice and data communications systems for use of the Employer and pay all fees and charges in connection therewith.	1	Item	
E	Provide for the installation of a data line or "wired" broad band connection for the ER's site office, band width to meet what would be reasonably expected for a commercial office.	1	Item	
F	Provide for 1No. laptop (to latest specification) with full email facility for the Clerk of Works	1	Item	
G	Provide for commercial office standard ink jet printer/ scanner for ER site office (A3 size)	1	Item	
H	The Contractor shall also provide 2 x office desks, 2 x chairs, 2 x filing cabinets and 1 x drawing rack for the ER's site office	1	Item	
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(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5) <i>l) Periodic using and access charges on voice and data communications systems for use of the Employer and associated running costs.</i>				
A	Pay all fees, charges and associated running costs for all voice and data communications systems, including telephones, mobile phones, fax machines, e-mails, internet access, broad-band, etc.	1	Item	
	<i>m) Provision of the Project Supervisor Construction Stage services by the Contractor under the Safety, Health and Welfare at Works (Construction) Regulations.</i>			
B	Prior to acceptance of the tenderer a 'Letter of Intent' will be issued by the Contracting Authority requesting the tenderer to comply with the following requirements:	1	Item	
C	^^^ (a) Execution of the Collateral Agreement (for the services of the Project Supervisor Construction Stage) Model Form 10 (See Volume A Works Requirements) which must be returned by return of post and	1	Item	
D	^^^ (b) The drawing up by the tenderer of a detailed safety plan as required under the Regulations	1	Item	
E	Compliance with these requirements will be necessary prior to issue of Letter of Acceptance	1	Item	
	The Main Contractor shall employ the following personnel, who should be the person proposed in the QW2 or meet at least the same standard as that to the person proposed. Any proposed change to personnel should be notified to the ER and PSDP and copies of the relevant CVs issued:			
F	A competent Temporary Works Designer, who must take overall responsibility for the stability of the structure, including permanent and temporary works during the entire construction phase. The Temporary Works designer shall also take overall responsibility for the design of the demolition of any existing works, including all supports to partially demolished structures. This designer must be competent in temporary works design, and will be required to demonstrate that he/she has safely provided for the complex forces involved in temporary works/ permanent works interaction at the various stages of construction.	1	Item	
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(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	A suitably qualified site engineer who must assist the Temporary Works Designer in relation to site implementation issues highlighted above and who must liaise with the designer, the PSDP and the PSCS.	1	Item	
B	A competent temporary electrical services designer and temporary mechanical services designer who must take overall design responsibility for the safety of the electrical services installation and mechanical services installation during the entire construction phase. These will be required to liaise with the electrical services designer and the mechanical services designer, contractor, PSDP and PSCS. M+E Co-ordinator is required to be on site 100% of the time.	1	Item	
C	Subject to the Contractor satisfying the Employer as to having the resources and skills necessary to perform the duties of the Project Supervisor for the Construction Stage under the Regulation the Employer may appoint the Contractor to fulfil this function under the terms of a Collateral Agreement in the form of Model Form 10 (See Works Requirements) to be entered into between the parties.	1	Item	
D	Provide all costs in connection with the provision of the services of a Project Supervisor for the Construction Stage for the duration of the Contract.	1	Item	
E	^^^The Contractor shall include for a competent person to act as and carry out duties of Project Supervisor as set out in the Safety, Health and Welfare at Work (Construction) Regulations, 2013 and should particularly note the following:	1	Item	
F	^^^^^(i) Following appointment as PSCS, develop the Safety & Health Plan, including updating it with new/revised design information passed on by the PSDP. Following this the Contractor's designers' information will be coordinated with all of the other designers' information and any new information will be passed onto the PSCS for inclusion in the Safety and Health Plan.	1	Item	
G	^^^^^(ii) The PSCS shall be obliged to advise the PSDP, as soon as is practical, of any changes arising from unforeseen conditions or eventualities which may affect design. This must be done in order to permit the PSDP to pass this information to all designers so that they can coordinate their designs and include the changes in their designs.	1	Item	
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2. CONTRACT

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	^^^^^(iii) The PSCS shall ensure that all personnel on site have appropriate training, Safe Pass and CSCS where necessary, and that records of same, including copies of certificates/cards, shall be kept on a readily accessible file for inspection. Copies of the same shall be provided to designated Representatives of the Local Authority.	1	Item	
B	^^^The Contractor shall include for developing before the commencement of the construction work, the Safety and Health Plan for the construction site already prepared on a preliminary basis.	1	Item	
C	^^^The Contractor shall include for the Project Supervisor for the Construction Stage giving notice to the National Authority for Occupational Safety and Health prior to commencement of work on site in accordance with the First Schedule of the Safety, Health & Welfare at Work (Construction) Regulations 20013.	1	Item	
D	^^^The Contractor shall procure the insurance cover required to be obtained and maintained by the Contractor pursuant to the provisions of the Main Contract shall provide indemnity in respect of any claim for bodily injury or property damage which the Contractor may incur by reason of the performance of the function and duties of the Project Supervisor for the Construction Stage for the Project.	1	Item	
E	^^^The Contractor shall enter into a Collateral Agreement (Model Form 10) with the Employer for the Contractor's appointment as Project Supervisor for the Construction Stage. Provide for any costs arising hereunder not provided for elsewhere herein.	1	Item	
F	^^^Further information about safety requirements may be obtained from the National Authority for Occupational Safety and Health. <i>Safety Statement</i>	1	Item	
G	The Contractor shall provide a certificate to confirm that under the terms of the 2013 Safety, Health and Welfare at Work (Construction) Regulations the contracting firm is in possession of a written Safety Statement and that all employed and any other persons in the workplace who may be affected by risks to safety will be made aware of the contents of the Safety Statement and have access to it.	1	Item	
Extension and External Works				
			To Collection €	

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5) <i>SAFETY FILE</i> A 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. B All Safety file information must be completed and forwarded to the Project Supervisor Design Process (PSDP) at or before Substantial Completion. <i>Digital Project Safety File (DPSF) Coordinator - Role & Responsibility</i> C The DPSF and all its specified elements and requirements are to be collated and managed by a specialist DPSF Coordinator and are to be reviewed for any amendments/additions with the client, Project Supervisor Design Process (PSDP) and the Project Supervisor Construction Stage (PSCS) prior to handover and installation to the client. D The DPSF Coordinator shall provide a full professional technical service/solution which will produce a comprehensive and project specific CLIENT Digital Project Safety File.				
	1	Item		
	1	Item		
	1	Item		
	1	Item		
Extension and External Works				
			To Collection €	

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5) <i>Digital Project Safety File Software Application</i>				
A	The DPSF is to be delivered in a proven software application format. Further, the DPSF shall be formatted to allow subsequent updating of information. The DPSF shall also incorporate detailed asset registers / digital images of all Building Fabric components & Building Services components. Furthermore the software shall allow secure (password protected) comprehensive control and tracking of the Handover Documentation to enable viewing / printing / access / editing / searching / updating and administration of the file. The DPSF is to have relevant metadata assigned to all construction handover documentation on the project and to structure all documents into a multi-level hierarchy for the project. The DPSF will have documents grouped, categorized or classified within the project based on a CLIENT standard approach, Documents are grouped by projects and by section and sub-sections as per the index or table of contents agreed for the project - by CLIENT, the DPSF system is to cater for over 20 concurrent users.	1	Item	
B	The software system/application shall provide for the potential future migration of data to a more advanced enterprise software application which is capable of providing remote internet/intranet access and acting as a platform technology for compliance with current and future regulations, the data format and structure shall comply with best practices and standards. <i>Draft Reviews and Handover / Install of Digital Project Safety File:</i>	1	Item	
C	Complete draft of the DPSF must be submitted to the Contracting Authority 2 weeks before the final date for Practical Completion. The draft DPSF must be reviewed by the PSCS & PSDP and amended in light of any comments before a final revision is submitted to the CLIENT. The DPSF Coordinator will not proceed with production of the final copies of the File until authorised to do so by the PSDP. The scheduled handover programme shall be as follows:	1	Item	
D	1. A Draft DPSF will be presented to the PSDP and PSCS for review and comment at least 2 weeks before the final date for Practical Completion. This draft will include the latest list of any outstanding items so that these items can be agreed, documented, closed out and included.	1	Item	
E	2. A Final Draft DPSF will be delivered to the PSDP and the CLIENT for final review and sign off before a final revision of the DPSF is submitted to the CLIENT.	1	Item	
Extension and External Works To Collection €				

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	3. A Final REVISION DPSF signed off will be handed over and installed on the CLIENT network by the DPSF Coordinator	1	Item	
B	IMPORTANT NOTE: It should be pointed out that the DPSF must be handed over to the ER at the handover of the building, i.e. on the day of Substantial Completion (SC). If any items are outstanding on the day of SC, they must be clearly itemised and listed along with a date when these items will be provided, these issues will be classified as defects. This DPSF Defects List must be provided in writing to the relevant Design Team members (PSDP) & the Employer before PC, for the ER's approval. If this list of defects is not approved by the ER then the Employer reserves the right to instruct the Design Team in relation to signing off SC.	1	Item	
C	The Project Supervisor Construction Stage shall supply all necessary safety file information to the PSDP which shall include the following items (list not exhaustive):	1	Item	
D	The Project Supervisor Construction Stage in co-operation with the Main Contractor shall ensure that the Safety File to be produced at the end of the project shall incorporate all issues identified in the Main Contractor's Method and Safety statement.	1	Item	
E	The Project Supervisor Construction Stage shall identify relevant information to be issued by the Project Supervisor Design Process and issue a request in time. This will allow the Project Supervisor Design Process to instruct the Design Team and Client to issue the necessary information to be included in the File	1	Item	
F	The Project Supervisor Construction Stage shall standardise the format for each Sub-contractor's information for the Safety file with the Client for ease of access of information and standard of information to be submitted by all Subcontractors.	1	Item	
G	The safety file shall be merged with all pre-existing safety file data and where drawings, certification or data is superseded, it shall be removed from the file to ensure an accurate representation of the whole building	1	Item	
H	Contractor to provide one full hardcopy sets of the safety files, and two full electronic copies to be uploaded to the CLIENTS online digital safety file system. The DSF software platform must be approved by the CLIENT & PSDP and shall be capable of the following in relation to Presentation & Format;	1	Item	
Extension and External Works		To Collection €		

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	^^^To be presented in a clear and easy to follow format and should provide a complete understanding of the works, its intended performance & systems and enable it to be operated & maintained efficiently and safely.	1	Item	
B	^^^The Digital Safety File should be a web based application capable of being hosted either online (available 24hrs a day, 365 days of the year) or on the client's internal IT network with no loss of functionality.	1	Item	
C	^^^Documentation should be held primarily in PDF format with all drawings also included as CAD files for future use	1	Item	
D	^^^The system will be capable of holding operation and maintenance documentation for a number of individual sites for the same client.	1	Item	
E	^^^The file should be capable of being expanded to cater for existing projects and possible future expansion.	1	Item	
F	^^^The system will be accessible through a front screen featuring each of the projects which will have links to the individual safety files of each individual project.	1	Item	
G	^^^Access to the Digital Safety File should be restricted via password / username combinations. Individual usernames should be assigned to each user which can, in turn grant different levels of access. A variety of access levels should be available from 'read only' to full user access for editing and uploading. The system should not be restricted to a limited amount of users.	1	Item	
H	^^^This application should facilitate the future uploading and editing of additional documentation by the client to any area of the file to ensure the file can be kept current and up to date by the user.	1	Item	
J	^^^The system should facilitate the setting of permissions which can allow / restrict users when viewing certain documents.	1	Item	
K	^^^A clear audit trail should be recorded for every document uploaded to the safety file. Time and date stamps should be applied to all documents when they are uploaded.	1	Item	
L	^^^A comprehensive search engine is to be included to ensure easy and quick navigation to any document. Searching should be possible using key words, phrases and should be possible to restrict the search to specific areas of the Digital Safety File if required.	1	Item	
Extension and External Works		To Collection €		

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	^^^All documentation is to be submitted in PDF format to facilitate uploading to the builder's digital safety file.	1	Item	
B	^^^Scanned documents are to be avoided except in the case of test certificates. Where scanned documents must be included, then a minimum setting of 400dpi in full colour shall be used.	1	Item	
C	^^^Drawings are to be submitted in both PDF & CAD. CAD drawings should be presented in .dwg format and be fully bound to all external references. <i>The Digital Safety File should be:</i>	1	Item	
D	The DPSF and all its specified elements and requirements are to be collated and managed by a specialist DPSF Co-ordinator who should include for the following:	1	Item	
E	Site attendance as necessary to agree client specific layout for Digital Safety File	1	Item	
F	Collate and manage all design and O&M documentation from relevant parties	1	Item	
G	Present for approval of design team / PSDP	1	Item	
H	Final handover to client including staff training	1	Item	
J	The DPSF Co-ordinator shall provide a fully professional technical service / solution which will produce a comprehensive and project specific Digital Project Safety File. The file is to be formatted to facilitate tracking, viewing, printing, access, editing, searching and updating of the file. <i>Table of Contents</i>	1	Item	
K	The Digital Project Safety File Shall Consist Of The Following Four Sections, Sub Sectioned As Appropriate:	1	Item	
L	SECTION 1: GENERAL PROJECT INFORMATION: Content as described below. The information shall be provided to the DPSF coordinator from the Main Contractor and Design Team	1	Item	
M	SECTION 2: BUILDING FABRIC INFORMATION: Content as described below plus certain as-built drawings and other information provided to the DPSF coordinator from the Main Contractor and the Design Team	1	Item	
Extension and External Works		To Collection €		

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	SECTION 3: BUILDING OPERATIONS SERVICES INSTALLATIONS: Content as described below, the information is provided to the DPSF coordinator through the Contractor by the Mechanical / Electrical / Lift Services Contractors subject to approval by the Services Consultants.	1	Item	
B	SECTION 4: PROJECT DRAWINGS & REPORTS: Content as described below. <i>Section 1 Project Information must include:</i>	1	Item	
C	1. Project Description - A detailed description of the building project	1	Item	
D	2. Site Location	1	Item	
E	3. Planning Documents (Application, Grant, Drawings) - Site Location maps and drawings	1	Item	
F	4. Existing Environment (Surveys etc.)	1	Item	
G	5. Project Organisation (Contact List for Design Team & Construction Team) - Names address telephone/fax numbers, e-mail/website address of all design team members/nominated subcontractors / domestic subcontractors / suppliers / manufacturers	1	Item	
H	6. Health & Safety	1	Item	
J	a. Preliminary Health & Safety Plan	1	Item	
K	b. Construction Health & Safety Plan	1	Item	
L	c. AF1 & AF2	1	Item	
M	d. Residual Risk Information - The PSCS must outline and identify to the client any residual hazards after the project completion that is likely to have an impact on the operation, maintenance or demolition of the structure.	1	Item	
N	7. Fire Certificate Documents (Application, Grant, Drawings) - Details of all Statutory Certificates and Legal Documentation for the building including fire safety certificate application detail plus copies of all consents and approvals obtained.	1	Item	
P	8. Disabled Access Certificate (Application, Grant, Drawings)	1	Item	
Q	9. All ancillary certificates from Subcontractors	1	Item	
R	10. Works Requirements Document	1	Item	
Extension and External Works		To Collection €		

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5) <i>Section 2 Building Fabric Information (All Works Packages) must include:</i>				
A	1. Architects Specifications & Schedules Design brief / specifications - Architect - overview / summary of how the building was constructed & how it is intended to achieve its performance and other objectives including specialist reports such as site surveys, topological surveys, asbestos survey reports, soil tests site investigation reports, tree surveys etc.	1	Item	
B	2. Civil & structural Specifications, Structural description & specifications along with surveys and, reports detailing all allowable loadings/restrictions/pressures & structural maintenance requirements	1	Item	
C	3. Electrical Specifications, Details of all electrical construction packages relating to all nominated/domestic subcontractors - provision of a detailed description/scope of works for each specific works package/construction elements as well as specifics on materials or procedures which may present significant residual hazards with respect to cleaning, maintenance repair or deconstruction / recycling / demolition, this information must also be provided for all contractor designed work and performance specified work	1	Item	
D	4. Mechanical Specifications, Details of all mechanical construction packages relating to all nominated/domestic subcontractors - provision of a detailed description/scope of works for each specific works package/construction elements as well as specifics on materials or procedures which may present significant residual hazards with respect to cleaning, maintenance repair or deconstruction / recycling / demolition, this information must also be provided for all contractor designed work and performance specified work.	1	Item	
E	5. Fittings & component schedules: all final revision / as built fitting and component schedules to include but not limited to the following: sanitary ware schedule / signage schedule / ironmongery schedule / finishes schedules / door schedules / specialist equipment details	1	Item	
F	6. Planned preventative maintenance & cleaning procedure and frequency for each element / component	1	Item	
G	7. Site drainage report including drainage CCTV / other testing results	1	Item	
Extension and External Works		To Collection €		

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	8. Copies of manufacturers current project literature specific for all products for which the particular proprietary brand has been chosen by the contractor including data sheets and manufacturers recommendations for cleaning and maintenance	1	Item	
B	9. Copies of all guarantees warranties and maintenance agreements offered by subcontractors and manufacturers	1	Item	
C	10. Copies of all product compliance test certificates and reports	1	Item	
D	11. The fire safety strategy for the building(s) including drawings showing emergency escape routes, location of emergency and fire fighting systems services shut-off valves switches etc.	1	Item	
E	12. The sustainability strategy for the building(s) including drawings, illustrations, diagrams, systems and components etc.	1	Item	
F	13. The universal access / emergency evacuation strategy for the building(s) including drawings, illustrations, systems and components etc	1	Item	
G	14. A list of any design risks / residual risks / hazards / maintenance considerations / disposal & recycling which will be relevant to the future operations and maintenance of the facility	1	Item	
H	15. Digital images of all buildings internally / externally and general site areas - progress photos shall also be taken at intervals to be agreed with the contracting authority	1	Item	
	<i>Section 3 Building Services - Mechanical & Electrical O&M Manuals Building Operations [Services Information] must include:</i>			
J	It is suggested that M&E manuals follow the same format to allow easy and quick navigation by the end user - sample template provided below:	1	Item	
K	Project Details:	1	Item	
L	General details regarding the project - job title, location, scope of works,	1	Item	
M	Contractor's details:	1	Item	
N	Supplier's Contacts	1	Item	
Extension and External Works		To Collection €		

2. CONTRACT

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	Contact details for all equipment suppliers - company name, equipment supplied, contact person, address, phone, fax, email & website.	1	Item	
B	Description of Services - A full description of each of the systems installed written to ensure that the school services department fully understand the scope and facilities provided	1	Item	
C	Brief narrative of each service installed (water, heating, ventilation, lighting, power, access control etc). Give location of plant, areas served, method of control, set-points etc. Photographs of the plant and equipment in their installed position should be included in this section. A description on the operation of all systems including services capacity and restrictions / starting up operating and shutting down instructions for all equipment and systems installed.	1	Item	
D	Maintenance & Fault Finding. Recommended maintenance schedules for all items of plant (monthly, quarterly, annually). Fault finding guide for all major systems	1	Item	
E	^^^Recommendations as to the preventative maintenance frequency and procedures to be adopted to ensure the most efficient and environmentally beneficial operation of the systems.	1	Item	
F	^^^Planned maintenance programmes, service life costs/plan, repair replacement, lubrication schedules, deconstruction, recycling or disposal procedures for items of plant / equipment	1	Item	
G	^^^^^A full list of spare parts for all plant.	1	Item	
H	^^^^^Lubrication schedules for all lubricated items	1	Item	
J	^^^^^A list of all plant that requires re-testing including when re-testing is required	1	Item	
K	^^^^^Fire alarm strategy - including cause and effect table	1	Item	
L	^^^^^Emergency & safety procedures for all installed plant including telephone numbers for emergency services	1	Item	
M	Asset Register	1	Item	
N	^^^List of all plant and equipment installed. Each item to have individual tag references corresponding to reference on the 'as-built' drawings. Details which should be noted include model, manufacturer, duties, location and serial numbers.	1	Item	
Extension and External Works		To Collection €		

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	^^^The name address and telephone number of the manufacturer of every item of plant and equipment together with catalogue list numbers	1	Item	
B	Mechanical & electrical specifications - final revision	1	Item	
C	As Built Electrical Drawings (in .dwg and PDF format): The drawings shall clearly show all systems, plant, terminal points such as luminaries, sockets, isolators, etc. and distribution, circuit orientation and references. All sizes of tray, trunking and their routes shall be indicated. All plant shall be clearly referenced and shall be readily identifiable	1	Item	
D	As Built Mechanical Drawings (in .dwg and PDF format format) : The drawings shall clearly show all systems, plant, valves, dampers, etc. All plant & valves shall be clearly referenced and be readily identifiable and show a legend for all colour-coded services.	1	Item	
E	^^^The Candidate and his Contractor shall ensure that any services or systems, which are buried within the structure, or underground, are precisely located on the drawings, along with the precise position of entry of services to the building, isolating valves and cocks.	1	Item	
F	Control sequences for all systems installed	1	Item	
G	^^^Diagrammatic drawings of each system indicating principal items of plant, equipment, valves etc. Legend for all colour-coded services	1	Item	
H	Plant Schedules (Plant /Asset Register - system by system) of plant equipment, stating their unique reference number, make, model, location, area served, as-built drawing reference	1	Item	
J	Manufacturer's specific technical literature for all items of plant and equipment assembled specifically for the project excluding irrelevant matter and including detailed drawings, electrical circuit details, and operating and maintenance instructions	1	Item	
K	A copy of all test /commissioning certificates (including but not limited to electrical circuit tests corrosion tests type tests Works tests start and commissioning tests) for the various elements of the installations.	1	Item	
L	A copy of all manufacturers, guarantees, warranties, and maintenance agreements offered by subcontractors and manufacturers	1	Item	
Extension and External Works		To Collection €		

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	Schedules of all fixed and variable equipment settings established during commissioning and procedures for seasonal changeovers	1	Item	
B	Sample digital images for each key item of Mechanical, Electrical and Lift installations for use as cross reference photos within the various sections of the O&M Manuals	1	Item	
<i>Section 4: Project Drawings & Reports must include:</i>				
C	Complete Register of all "As Built" drawings Architectural, Civil / Structural, Services, Specialist, Fire etc. & Reports. Note that each drawing register shall be provided electronically in spreadsheet or tabular format and shall include the following information in the following column order:	1	Item	
D	1. Drawing Number	1	Item	
E	2. Drawing Title / Description - this must contain enough key information about the content to allow the drawing register to be searched efficiently by the CLIENT when locating drawings on a day to day basis	1	Item	
F	3. Drawing Revision	1	Item	
G	4. Drawing Date - in XX/XX/XXXX format	1	Item	
H	a. Note that the Filename of each drawing shall be the drawing number	1	Item	
J	b. All Architectural, Civil / Structural, Services, Specialist, Fire "As Built" drawings to be in .dwg and PDF Format	1	Item	
K	c. As-built drawings (in .dwg and PDF Format) recording details of construction for all contractor designed work and performance specified work	1	Item	
L	5. Underground Site Services	1	Item	
M	a. Note that a separate drawing will be required for each service e.g. gas, drainage, telecommunications etc.	1	Item	
N	b. Drawings should be produced in a format that will allow the viewing of individual services, together with the option to show any combination of services on a drawing. Layering, line types etc. to be agreed in advance with the client	1	Item	
Extension and External Works		To Collection €		

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	c. Note that the client requires the contractor to provide a final draft of each of the underground services drawings for their review and comment before the contractor issues the final revision of these drawings	1	Item	
B	d. Note that All underground "as built" site services drawings shall be delivered in .dwg and PDF Format	1	Item	
C	Contractors are contractually obliged to video record the handovers of the buildings and the demonstrations and these recordings will form part of the digital safety file.	1	Item	
D	The digital safety file is to be hosted as agreed with the CLIENT. 2 number DVD copies and one number hard copy of the file must be provided to the employer's representative and to the PSDP	1	Item	
AS -INSTALLED DRAWINGS:				
E	The drawings shall be prepared by CAD to A0 or A1 size for inclusion in the Digital Project Safety File (s):-	1	Item	
F	Drawing shall be clearly marked "As-installed drawing"	1	Item	
G	As-installed drawings shall be executed by a competent draughtsman and shall contain sufficient detail to enable the Employer to maintain, dismantle, reassemble and adjust all parts of the works.	1	Item	
H	Lettering on drawings shall be to an approved lettering system and the title block shall be to the Engineer's approval.	1	Item	
J	The title block shall not contain any revision notes or references, nor shall the drawings contain any references to existing services or similar notes.	1	Item	
K	The drawings shall clearly show all systems, plant, terminal points such as luminaires, sockets, isolators, etc. and distribution, circuit orientation and references. All sizes of tray, trunking and their routes shall be indicated. All plant shall be clearly referenced and shall be readily identifiable.	1	Item	
L	The contractor shall ensure that any services which are buried within the structure, or underground, are precisely located on the drawings, along with the precise positions of entry of services to the building, giving their depth and the locations of the relevant pits, etc.	1	Item	
M	The drawings shall incorporate all building changes which may have occurred during the course of the contract.	1	Item	
Extension and External Works				To Collection €

2. CONTRACT

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	The contractor shall provide the following for inclusion in the Digital Project Safety File (s):-	1	Item	
B	A schedule of record drawings, including those issued by manufacturers or suppliers during the course of the works, e.g. switchgear layout and control panel wiring diagrams	1	Item	
C	Any isometric or diagrammatic drawings.	1	Item	
D	Copies of distribution board identification charts.	1	Item	
E	The contractor shall provide one copy of each of the warning signs and safety charts, which shall be heat sealed or fixed in glazed hardwood frames, for installation in locations to be agreed on site.	1	Item	
COMPLETION CERTIFICATES:				
F	The contractor shall submit the following certificates when the installation is completed and include in the Digital Project Safety File (s):-	1	Item	
G	All relevant BCAR certificates as listed in the Preliminary Inspection Plan.	1	Item	
H	ETCI certificate of entire installation.	1	Item	
J	Certificates for fire alarm and emergency lighting.	1	Item	
K	Lightning protection certificate.	1	Item	
L	Certificates from suppliers or manufacturers stating that equipment has been installed and commissioned satisfactorily and is operating in accordance with the design requirements.	1	Item	
M	ETCI sub-system certificates.	1	Item	
N	All system testing and commissioning certificates and results.	1	Item	
P	An IOU (incomplete, outstanding or unsatisfactory work) shall be attached to a certificate in the event of any work not required at hand-over stage, and a programme agreed for the completion of works.	1	Item	
Q	Compliance certificates as required by Building Control (Amendment) Regulations 2013	1	Item	
Extension and External Works		To Collection €		

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5) <i>Temporary Works</i>				
A	The contractor shall include a cost herein for employing a consulting engineer with PI of Ç6.5m to prepare their temporary works proposals for the support of any earthworks and any other permanent works to be executed that require temporary works.	1	Item	
B	The contractor shall include a cost herein for engaging a specialist geotechnical engineer to assess the existing ground conditions with regard to temporary works and allow for all measures necessary to ensure the stability of the existing ground above the excavations for the duration of the works.	1	Item	
C	All Temporary Works Designers are required to provide Design Risk Assessments to the PSDP for inclusion in the Preliminary Safety & Health Plan and / or the Safety File.	1	Item	
D	All Temporary Works Designers are required to provide a HSA 'Temporary Works Design Certificate' to the PSDP, for their element of the Works on the Project.	1	Item	
E	*NOTE: Temporary Works may include such matters as trench shoring, scaffolding, propping, working platforms, gangways and access stairs / ladders, etc. Persons who make decisions on site in respect of these may be deemed to be designers. Those employing, or in control of, people undertaking design work are themselves deemed to be designers.	1	Item	
F	The PSCS must also ensure that a copy of the signed Temporary Works Design Certificate is forwarded to the Employer's Representative, and Client's Health & Safety Advisor.	1	Item	
FIRE SAFETY				
G	The Contractor shall ensure that fire brigade access is maintained to the Works and to existing buildings at all times. The Contractor shall consult with the fire authority as necessary and shall at all times carry out the Works with due regard for the fire safety of the Works and of any other buildings or users who may be affected by the Works. In particular the Contractor shall protect existing vehicular fire access and egress routes and access to fire hydrants.	1	Item	
H	The Contractor shall ensure that fire escape routes from existing buildings are maintained for the duration of the Works.	1	Item	
Extension and External Works				To Collection €

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	The Contractor shall take special precautions to avoid risk of fire and shall cease any work involving naked flames or sparks at least 45 minutes before work stops for the day. The Contractor shall not permit any accumulation of inflammable debris. The Contractor shall not take flammable liquids or gases onto the Works other than that needed for one day's work.	1	Item	
B	The Contractor shall employ (at the Contractor's own cost) a recognised Fire Safety Consultant to check each section of the building twice during the construction process and again immediately prior to handover, to ensure that the building has been 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. The third party fire safety certifier to provide Ancillary Inspection Completion Certificate (SI RIAI ACI 02) under SI 09 in relation to all of the construction elements of the building relating to Fire Safety and Compliance with Building Regulations Part B and the granted Fire Safety Certificate.	1	Item	
SECURITY				
C	On obtaining possession of the site, the Contractor shall immediately fence the site and secure the Contract work zone from trespass, with a hoarding as outlined in the drawings and elsewhere in this document.	1	Item	
D	The Contractor shall maintain the site in a secure and orderly condition, limiting free access to persons with accredited safety training and ensuring that all other persons whose presence on the site is required or necessary are accompanied by the site safety officer.	1	Item	
E	The Contractor shall ensure that the site is made secure from trespass at times when it is not in operation and shall provide such fencing, hoardings, enclosures, lighting and watching necessary to ensure this. The Contractor shall ensure in particular that all toxic and flammable materials are secure and that all access to scaffolds or unprotected areas is restricted.	1	Item	
F	The Contractor shall operate a 'sign-in' policy whereby all persons entering and leaving the site are required to sign in and out.	1	Item	
Extension and External Works			To Collection €	

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5) <i>ENVIRONMENTAL</i> A The Contractor shall not deposit deleterious material in drains : The Contractor shall comply with statutory requirements in respect of disposal of waste. The Contractor shall implement an agreed waste management policy and keep records of the disposal of all waste material from the site. B All refuelling shall take place in a designated refuelling area at least 30m from watercourses, details of same to be included in the Construction Environmental Management Plan (CMEP). C All hydrocarbons, chemicals, oils etc. shall be stored in a dedicated bunded area at least 30m from watercourses and capable of storing 110% of the container/ tank capacity. D The Contractor shall ensure an adequate supply of spill kits and hydrocarbon absorbent pads are stocked on site. <i>Disposal of Toxic Items</i> E Allow for the following in the event of encountering toxic matter on site: F Specific safety plan for removal of asbestos; G Prepare and keeping of occupational health register and workers' health assessment / surveillance; H Specialist PPE / PPC; and J Separate cleaning / showering facilities, storage for clothes. <i>Pollution</i> K Do not deposit deleterious material into surface water channels or lakes. Comply with the requirements of the Rivers Pollution Protection Act, the Public Health (Ireland) Acts, and the Fisheries Acts. <i>Storage of Materials</i> L Store materials in a tidy manner. Separate different materials and protect them from dirt, physical damage, reaction with other materials marking or staining, micro-organisms, mildew, fungus and vermin. Do not store materials in ways which may cause damage to the Works, people or property.				
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Extension and External Works				
			To Collection €	

2. CONTRACT

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5) <i>Cleaning</i> A Remove and dispose of all rubbish from the Works as it accumulates and maintain the Works in a clean and tidy condition for the duration of the Contract. B Clean the Works internally and externally, remove all rubbish and leave the entire Works in a tidy condition ready for occupation or use. CONCRETE WASHOUT C Concrete washout is an alkaline material and must not be permitted to enter drains or watercourses. Concrete delivery trucks are to be washed down after each pour into an approved washout container and in accordance with a method statement developed by the PSCS. Wheelbarrows, hand tools and boots must also be washed down in an appropriate manner in accordance with a method statement. <i>Project Supervisor for the Design Stage</i> D The Project Supervisor for the Design Process is Tobin E Safety and Health Plan - Preliminary F The Preliminary Safety and Health Plan is included in Appendix 3 Information Pack of the Instructions to Tenderers G Project Supervisor for the Construction Stage H The Project Supervisor for the Construction Stage (PSCS) shall be the Main Contractor appointed to carry out the Works. <i>n) Any other obligation or restriction</i> <i>Irish Water</i> J It is the responsibility of the main contractor to prepare and submit the Irish Water (IW) connection applications paperwork agreements and engage with all other stakeholders to ensure connections for all services are made within the project programme. K It is the responsibility of the main contractor to agree and receive all connection applications agreements to ensure connections for all services and road opening licenses are obtained within the project programme.				
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Extension and External Works				
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(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5) <i>Master Programme</i> In addition to the requirements in Clause 4.9.1 of the Contract any programme submitted by the Contractor under Clause 4.9.1 shall:				
A	^^- show individual critical paths for each Section	1	Item	
B	^^- link the Substantial Completion of each Section to the Substantial Completion of the Works showing which Section/s are on the critical path for the Substantial Completion of the Works and which Sections are non-critical to same;	1	Item	
C	^^- clearly identify the programme contingency referred to in Clause 9.4.2 of the Contract;	1	Item	
D	^^- clearly describe the preparation time for including obtaining relevant permission for making all services connections;	1	Item	
E	^^- clearly describe work to be undertaken during school holidays and the preparation work including materials ordering in preparation for these Works;	1	Item	
F	^^- be submitted in Microsoft Project (or Microsoft Project compatible) and PDF formats in a GANNT format; and	1	Item	
G	^^- take into account of all constraints included in the Works Requirements and the contract.	1	Item	
H	The Contractor will be required to prepare and submit detailed Testing & Commissioning programmes to the Employer's Representative for review prior to the commencement of Testing and Commissioning activities on each Section.	1	Item	
J	The Contractor's monthly progress reports shall include the current programme with actual and expected progress plotted under programmed durations for each task. The actual/expected start and finish dates shall also be stated for each task to allow comparison with the programmed start and finish dates.	1	Item	
K	The Contractor's monthly progress report shall include a register with details of the actual submission and response dates of each package and the status of each submission.	1	Item	
<i>Use of Services Prior To Handover</i>				
L	The contractor shall cover the cost of all utilities used for construction and testing and commissioning purposes prior to handover of the building.	1	Item	
Extension and External Works		To Collection €		

2. CONTRACT

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract <u>(Cont) THE SCHEDULE - PART 1</u> (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	The contractor shall install any meters required to confirm usage and shall provide logs of meter readings. Alternatively the contractor shall only use energy between known times for testing and shall log energy use during those times.	1	Item	
B	Failure to adequately log construction energy costs shall result in the ER determining the amount to be deducted from the contractor and paid to the school. The decision of the ER in that scenario shall final.	1	Item	
C	The Contractor shall be fully responsible for providing and maintaining all services necessary for the proper execution and completion of the Works.	1	Item	
<i>Materials & Workmanship</i>				
<i>Materials</i>				
D	All construction products used must comply with the Construction Products Regulation (EU) No 305/2011.	1	Item	
E	British Standards (BS) and British Board of Agreement (BBA) certification are not acceptable methods of demonstrating compliance in accordance with Construction Products Regulation (EU) No 305/2011.	1	Item	
F	Any product specified to meet a conformity assessment procedure which requires or provides for third party certification must receive a certificate delivered by a body which is recognised as an EU Notified Body.	1	Item	
G	All products supplied which are subject to the Construction Products Regulation must be CE marked and be supplied with a Declaration of Performance.	1	Item	
H	Those for which there is an Irish Standard or Code of Practice are to comply therewith and shall bear the NSAI Irish Standard Mark or alternatively, shall be certified to a national standard of another member State of the European Union, which provides an equivalent guarantee of safety and suitability.	1	Item	
J	The Contractor shall provide proof of equivalence well in advance of required install date. Any delay due to insufficient information submittal for alternative materials or products will be borne by the Contractor.	1	Item	
Extension and External Works		To Collection €		

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5) <i>Regulations & Current Standards</i> A The School is to be constructed, tested & commissioned in all respects in accordance with harmonised European and national statutes, regulations and standards, codes of practice and locally applied regulations (including planning, fire and DAC requirements). B Current Standards: References to national standards or codes of practice shall be to the latest relevant published version including any relevant amendments published at the date of tender. Where a standard code of practice has been superseded, the edition current at the date of invitation to tender shall apply. References to published documents are to the editions, including amendments and revisions, current on the date of the Invitation to Tender. C Compliance with these recognised standards, codes of practice and all statutory regulations is a minimum requirement. Plant, equipment and/or materials offered to other standards will be equal or superior in quality to those specified and full details shall be supplied to the ER to demonstrate compliance. <i>Codes of Practice</i> D Codes of Practice: The Contractor shall provide copies of codes of practice, building regulations and applicable national standards and DoES TGDs for use by his site supervisory staff. <i>Schedule of Samples</i> E Samples of Materials: Manufacturer's articles and executed work shall be submitted as required by the Works Requirements for review before incorporation into the Works and articles not accepted shall be removed, if directed by the ER. Comment on any materials or work will not relieve the Contractor from responsibility for Defects howsoever arising and for the need to comply with the Works Requirements. Sample products shall comply with specification requirements in respect of stated or implied characteristics. Samples shall be provided to suit the Works Programme. Orders shall not be placed until comment on the sample is obtained. Samples shall be removed from site when no longer required; this shall be undertaken in accordance with the provision of Clause 4.17 of the Contract.				
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Extension and External Works			To Collection €	

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	Provide all samples of work as may be reasonably required by the ER. The cost of all reasonable tests are deemed included in the rates tendered in this document including all tests required to be undertaken to confirm compliance with the Works Requirements	1	Item	
B	The Contractor shall agree and maintain complete and current inspection and test procedures with the ER prior to commencement of the Works.	1	Item	
C	The Contractor shall supply, at his own expense samples of all materials manufactured articles and executed work, which the ER may request for comment before adoption. Such comment shall not relieve the Contractor from responsibility for any Defects.	1	Item	
D	The Contractor shall supply materials at his own expense, for all tests required by the Specification and such tests as the ER may direct under the Contract and execute all necessary arrangements, notices, removals and reinstatement in connection with such tests. Copies of the test results shall be issued directly to the ER.	1	Item	
E	All testing of civil and structural Works shall be in accordance with the Civil / Structural Materials & Workmanship Specification'.	1	Item	
F	All testing of mechanical and electrical Works shall be in accordance with the Mechanical and Electrical Materials & Workmanship Specification.	1	Item	
<i>Submittals</i>				
G	The Contractor shall not commence the works without acceptance of the required submittals by the Employer's Representative.	1	Item	
H	Provide a schedule of submittals for agreement with the Employer's Representative. Schedule to indicate the dates on which the Employer's Representative shall receive the required submittals. Correlate the schedule with the master programme and allow a reasonable amount of time for the review of each submittal. Indicate critical decision dates for selection of finishes and colours. Revise the schedule of submittals and resubmit as necessary.	1	Item	
^^^Submission and Return of Working Drawings/ Documents:				
Extension and External Works 2/71 To Collection €				

2. CONTRACT

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	i) Allow for a sufficient period (a minimum of 10 (ten) working days) between the first submission of a drawing/ document and receipt of comments.	1	Item	
B	The order date should be included in the bi-weekly progress report and programme in accordance with Clause 4.10. Sufficient time should be allowed for 2-3 reviews (including 10 working days notice for each review) by the Employers Personnel of the Contractor's Submittal, which is deemed reasonable as the average responses required to obtain Status A. Responses to Contractor and Specialists drawings and submittals will be responded to under three	1	Item	
C	^^^Returned With Comments (RWC) Status A - No further comments. Proceed with installation	1	Item	
D	^^^Returned With Comments (RWC) Status B - Installation may proceed at Contractors risk provided that comments on submittal are fully complied with and performance requirements of contract documents are met. However, strongly advisable to resubmit to obtain Status A before proceeding.	1	Item	
E	^^^Returned With Comments (RWC) Status C - Submittal not accepted. Resubmit demonstrating compliance with Contract documents.	1	Item	
F	The ER will at all times endeavour to return submittals as soon as is practicable, without prejudice to the terms of clause 4.7 of the contract. Should the contractor only first provide a Submittal within less than 10 working days of ordering, without also providing adequate information to demonstrate compliance with the Works Requirements, any delay arising will be attributable entirely to the Contractor.	1	Item	
G	ii) Provide a list of Working Drawings proposed.	1	Item	
H	iii) Provide information specifically requested for each element of the works. Additional information may be required by the Employer on inspection of the Contractor's submittals to allow for accurate comments to be made.	1	Item	
J	Review: The Contractor's submittals will be reviewed by the Employer's Representative during the Evaluation, and any alteration and/ or agreements reached will be incorporated into the Contract documentation.	1	Item	
Extension and External Works		To Collection €		

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5) <i>Prototype Classroom/ Corridor</i>				
A	Contractor is required as part of the contract to advance to a finished state an interior and exterior section of the school building to be agreed with the ER, ahead of the remainder of the school building for the purposes of approving samples in-situ and to assess overall workmanship quality. The contractor should include a cost herein if not included elsewhere.	1	Item	
<i>Storage of Materials</i>				
B	All unfixed materials shall be carefully stored in accordance with the best practice and in a suitable position on site. Manufacturers or agents recommendations regarding storage, transportation, application, material compatibility, workmanship, health & safety, etc. shall be strictly observed.	1	Item	
<i>Workmanship</i>				
C	All workmanship shall comply with current National Standards or European Standards (the Eurocodes) and be in accordance with Building Regulations Technical Guidance Document Part D.	1	Item	
D	Site Operatives shall be appropriately skilled and experienced for the type and quality of work proposed.	1	Item	
E	Products and materials shall be fixed, applied, installed or laid securely, accurately, plumb, neatly and in alignment. Do not use different colour batches where they can be seen together. Check on-site dimensions to ensure accurate fit. Finished work shall not be Defective, damaged, disfigured, dirty, faulty, or out of tolerance. Adjust any joints open to view so they are even, regular and true.	1	Item	
F	Do not scale dimensions, use figured dimensions only.	1	Item	
<i>Method Statements</i>				
G	Method statements on how the Contractor intends to achieve, construct, supervise, design, produce, co-ordinate, etc. shall be required.	1	Item	
Contractor to include for all method statements required in the preliminaries, specifications and drawings. These include but not limited to:				
H	Supervision of overall works	1	Item	
Extension and External Works			To Collection €	

2. CONTRACT

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	Supervision of Building Regulation Compliance including Compliance with Building Control (amendment) Regulations 2014 Statements	1	Item	
	The following method statements are to be submitted when described in the specification. Where not described submit to the ER a minimum of four weeks before the respective element of work has to be ordered (or where no order time is required, before the activity it is due to commence on site.):			
B	Controlling and checking deliveries to site to ensure that the correct products are supplied, delivered and checked, prior to incorporation into the works.	1	Item	
C	Structure including co-ordination of roof steel, walls and beams to allow correct installation of roof systems	1	Item	
D	Roofing (please note detail and number required)	1	Item	
E	Compliance and sign off of all penetrations through roof and walls	1	Item	
F	Drainage and below slab services	1	Item	
G	Radon barrier installation	1	Item	
H	Fire Safety Compliance including fire stopping / fire barriers, Fire rated doors and frames, ironmongery,	1	Item	
J	Fire stopping around services penetrations	1	Item	
K	Doors/ frames and ironmongery including TGD B & TGD M Compliance (required early in project)	1	Item	
L	Compliance of each staircase including risers, treads, widths, balustrades and escape heights	1	Item	
M	Floor finishes including anti slip testing and validation	1	Item	
N	Acoustic compliance	1	Item	
P	Energy conservation including avoidance of cold bridges	1	Item	
Q	Cavity wall work including blockwork, ties, insulation, corners, jambs etc.	1	Item	
R	Durability, life expectancy and robustness of materials selected by the Contractor	1	Item	
S	Air-tightness	1	Item	
Extension and External Works		To Collection €		

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	Curtain walling/ windws	1	Item	
B	Doors	1	Item	
C	Painting	1	Item	
D	Services co-ordination	1	Item	
E	Services commissioning	1	Item	
F	Work to boundaries including adjoining owners	1	Item	
G	Landscaping including compliance of hard and soft landscaping with planning permission including species, girth, height, density, health etc.	1	Item	
	<i>Building Fabric Standards; Air Tightness & Thermographic Survey</i>			
H	Air Tightness; The building shall be required to achieve a low energy in use strategy. Air leakage shall be no greater than 3m3/h/m2 of measured envelope area at a test pressure of 50Pa shall be achieved. The measured envelope area shall be taken as the area of surfaces that make up the air seal boundary of the building; The integrity of each component, which forms part of the air tightness layer, is essential and the junctions between these components are critical. Care shall be taken at all envelope penetrations such as windows, doors and service entries applying appropriate sealing along the line of the airtight layer; The sequencing of all installations shall be carefully considered and co-ordinated when programming the work to achieve the air tightness requirements; A pressure test will be required to determine the building envelope performance and actual air leakage to verify compliance; The facilities provided must be wind and watertight, efficient to operate, durable, adaptable and fit for the intended purpose.	1	Item	
J	The Main Contractor is to employ (at their own cost) a recognised Energy Consultants to check the building once during the construction process and again immediately prior to handover, to ensure that the building has been built in full compliance with the air tightness documentation and criteria as laid down in the works requirements. 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. Energy Consultants is to be certified by NSAI to carry out air pressure tests. All blower door tests are carried out in accordance with IS EN13829.	1	Item	
Extension and External Works		To Collection €		

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5) Before testing the main building, it is a requirement to test the Sample Room - 2No. Tests Required: 1No. pressure test followed by 1No. smoke test; this will allow air intake/leaks along the external wall, floor and service points to be established thereby facilitating improved sealing of the building as it is finished out.				
A	The contractor shall employ a recognised specialist to carry out a thermographic survey of the completed building to prove continuity of insulation within all parts of the building fabric, and produce a thermographic survey report and schedule of remedial actions (if any). The Contractor shall include a cost herein if not included elsewhere	1	Item	
<i>Building Fabric Standards; Building energy rating</i>				
B	The new build extension is to be built in compliance with Part L of the current building regulations 2011 including 2017 amendments (NZEB compliance) and to all to current building regulations	1	Item	
C	Assessment - The contractor is to employ a suitably qualified BER assessor to carry out a preliminary assessment upon commencement of the works to demonstrate compliance with the current Building Regulations (TGD Part L Conservation of Fuel and Energy). Contractor to provide a Building Energy Rating (BER) certificate for the new build extension at substantial completion stage inclusive of all registration fees with S.E.A.I. and all other office costs in accordance with the European Communities (Energy Performance of Buildings) Regulations 2006, SI. No. 666 of 2006 and the current TGD Part L (Conservation of Fuel and Energy). It is the contractor's responsibility to comply with all the design criteria and to provide his Assessor with all the accurate data particularly with regard to:	1	Item	
D	^^^Insulation types used on site	1	Item	
E	^^^Manufacturer's data sheets for heat pumps, boiler, solar collector, PV panels, cylinder type etc.	1	Item	
F	^^^Air permeability pressure test results.	1	Item	
G	^^^Independently certified u-values for windows /doors	1	Item	
H	^^^Certification of ALL acceptable construction details used	1	Item	
Extension and External Works		To Collection €		

2. CONTRACT

<u>(Cont) 2. CONTRACT</u> <u>(Cont) 2.1 Form, type and conditions of contract</u> <u>(Cont) THE SCHEDULE - PART 1</u> (Cont) F(i). Collateral Warranties (Sub-clause 5.5) The contractor's BER Assessor is required to liaise/consult with the council and confirm compliance with current TGD Part L (Conservation of Fuel and Energy) prior to registration with S.E.A.I. and also provide the BER data file if required. Should the contractor fail to achieve compliance with the current TGD Part L the contractor is obliged to carry out remedial works at his own cost. Certificate - Include in building manual (BER Certificate and Part L Report) Submittal date - Prior to completion of the Contract works <i>Acoustic Testing</i> The new build extension is to be built in compliance with Architect's Specification Upon completion of the construction of the school extension a complete series of sample acoustic tests will be completed in order to assess compliance with regulations. Testing to be carried out by an independent specialist acoustic consultant engaged by the Contractor when construction is finished, furnished for normal use but unoccupied - Date to be agreed with Architect. <i>Radon Testing</i> The contractor will employ an independent 3rd Party testing contractor as registered by the Environmental Protection Agency (EPA). The appointed testing contractor will have appropriate PI insurance. It is the responsibility of the main contractor to ensure that the quality of workmanship for the Radon Barrier system is adequate and is installed to the manufacturers details and specifications. Where remedial action is required due to poor quality of workmanship, this will be done at the Main Contractor's own expense. A radon test is required 6 months after Substantial Completion during the Defects Liability Period.		1	Item		
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Extension and External Works		To Collection €			

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5) <i>CE Marking</i>				
A	The EU Construction Products Regulation (No. 305/2011 - CPR) requires that construction products that are covered by a harmonised European product standard or are required to conform to a European Technical Assessments should normally have a CE marking. All products specified shall carry the appropriate CE marking as required by the EU Construction Products Regulation (No. 305/2011 - CPR). The CE marking shall include reference of the product standard and the levels or classes of performance being declared against some or all of the characteristics covered by the standard.	1	Item	
B	The CE marking shall be on the product, its label, packaging or accompanying documentation. Relevant documentary evidence (i.e. an EC Declaration of Conformity, must contain the following information: manufacturer's details (name and address, etc.); essential characteristics for the product; compliance with appropriate European standards and performance data; if relevant the identification number of the Notified Body; and a legally binding signature on behalf of the manufacturer.) shall be submitted to the ER on request and shall be incorporated into the O&M and H&S manuals upon project completion.	1	Item	
C	The CE marking shall be affixed visibly, legibly and indelibly to the construction product or to a label attached to it. Where this is not possible or not warranted on account of the nature of the product, it shall be affixed to the packaging or to the accompanying documents	1	Item	
D	The CE marking shall be followed by the two last digits of the year in which it was first affixed, the name and the registered address of the manufacturer, or the identifying mark allowing identification of the name and address of the manufacturer easily and without any ambiguity, the unique identification code of the product-type, the reference number of the declaration of performance, the level or class of the performance declared, the reference to the harmonised technical specification applied, the identification number of the notified body, if applicable, and the intended use as laid down in the harmonised technical specification applied.	1	Item	
Extension and External Works To Collection €				

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5) A Note: An importer or distributor shall be considered a manufacturer for the purposes of EU Regulation No 305/2011 and shall be subject to the obligations of a manufacturer pursuant to Article 11 (obligations of manufacturers) of EU Regulation No 305/2011, where he places a product on the market under his name or trademark or modifies a construction product already placed on the market in such a way that conformity with the declaration of performance may be affected. B Items requiring CE marking shall be as follows: Pre-cast normal/lightweight/autoclaved aerated concrete products, Doors, windows, shutters, gates and related building hardware, Membranes, including liquid applied and kits (for water and/or water vapour control), Thermal insulation products, Composite insulating kits/systems, Structural bearings, Pins for structural joints, <i>BREXIT Implications on CE Marking</i> C The UK left the EU on the 31st January 2020. The Contractor shall be aware of the implications and non-compliance since this date for them or any of their subcontractors to install products which are CE marked under UK notified bodies. Post Brexit, UK notified bodies used for certification of conformity for 'CE' marking proposes have lost their status as EU Notified bodies and are/in the process of being removed from the EU Nando website. In such instances the manufacturer of the product now need to obtain alternatives for certification of conformity for 'CE' marking. D The contractor shall be aware that any product CE marked under a UK notified body post Brexit will no longer be accepted. Any products failing to meet this requirement shall be removed and replaced on the project with EU conforming products. All costs associated with removal and reinstatement shall be the responsibility of the contractor. No claims for costs shall be considered. <i>Testing and Commissioning</i> E In relation to testing and commissioning for Substantial Completion of each Section and the Works the Contractor's testing and commissioning proposals shall be approved shall be approved by the ER & Design Team and the testing and commissioning of the following elements as a minimum shall be witnessed by the relevant Contractor's design Specialist:	1 1 1 1 1	Item Item Item Item Item		
Extension and External Works	2/79		To Collection €	

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	Fire alarm/emergency and security systems; Public address system; Final stage boiler commissioning tests; Final stage commissioning of BMS and other integral control systems; Final stage commissioning of all electrical, communication, security and IT systems; Demonstrations of satisfactory performance of lighting provisions (including emergency lighting); Final tests/inspections involving acceptance by third party utility providers (e.g., ESB, Bord Gais Eireann, other relevant 3rd parties etc.); Demonstrations/tests for acceptance of all major items of equipment; In-situ slip resistant tests on floors in wet areas; Confirmation of fitting of radon testing devices at SC with recordings to be taken during the Defects period; Site services including ducting, drains, watermains etc.; Lifts; CCTV; P.A.; Roofing systems; retesting of existing systems interfered with including PA, security alarms and CCTV, electrical and mechanical systems, bio-metric security I.D. systems; acoustics; air tightness; thermographics; daylighting; any water tests required by local authority; structural waterproofing installation; foul pumps and wastewater treatment equipment (where provided); and water tests of water retaining structures (where provided) and all tests to prove compliance with noise levels, Thermographic imagery and air-tightness tests to prove compliance with Volume A Works Requirements.	1	Item	
B	Records of tests and witnessing are to be maintained and made available for inspection and included in the Safety File. <i>Quality Assurance and Quality Control</i> <i>Further to Clause 8.2 of the Contract the Contractor shall prepare, implement and update as necessary project specific quality assurance systems for itself and its sub-contractors. These systems shall include, inter alia, Quality Plans for the following:</i>	1	Item	
C	- Overall management, coordination and administration of the Works	1	Item	
D	- Managing safety and health and undertaking the statutory duties of Contractor and PSCS.	1	Item	
E	- Contractor's site supervision including details of procedures, roles, responsibilities and oversight, inspection and test plans, witness points, hold points and records to be kept. This should address:	1	Item	
F	- - Contractor's methodology for ensuring compliance with the design	1	Item	
Extension and External Works		To Collection €		

2. CONTRACT

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	- - Contractors methodology for confirming that all site operatives are trained to use the materials, equipment, or materials that they are installing and that relevant manufacturers recommendations are being followed;	1	Item	
B	- Contractor system for ensuring compliance with the Building Regulations and specifically the measures being taken by the Contractors management, to ensure compliance. This shall include, inter alia, all concealed Works site ,Fire Stopping / Fire Safety Compliance, compliance of fire door sets including frame and ironmongery, continuity of weathering surface including weathering of all penetrations and specifically roof penetrations, continuity of insulation , air-tightness, acoustic compliance, services testing, radon barrier compliance including at joints and penetrations, slips trips and falls including the accuracy of as installed stairs including risers, the off-site compliance of pre-cast concrete work before it is brought to site, drainage;	1	Item	
C	- Methodology to plan ahead including pre-ordering of materials to efficiently undertake Works required to existing building during holiday periods;	1	Item	
D	- Materials approval prior to use in the Works, including the role of the design Specialists in the approval process and the records to be kept.	1	Item	
E	- Concrete quality control on site, including initial delivery inspection, sampling, testing pre pour and post pour check procedures and the records to be kept.	1	Item	
F	- Control of sub-contractors including selection and appointment sub-contractors and monitoring sub-contractors work to ensure compliance with the Works Requirements;	1	Item	
G	- Testing and commissioning including identification of the systems and tests to be undertaken, the roles and responsibilities of the relevant Works sub-contractors in the testing and commissioning process and the records, which are to be kept. To include details of the process for general building and room inspections, snagging and sign off as well as the mechanical and electrical building services, water, waste water, foul systems etc.;	1	Item	
H	- Compilation of the Safety File.	1	Item	
J	- Undertaking decanting of fitted furniture and & equipment;	1	Item	
K	- Coordination of building services and utilities; and	1	Item	
Extension and External Works		To Collection €		

2. CONTRACT

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	- Stakeholder management.	1	Item	
B	These Quality Plans shall be submitted to the Employer's Representative for review.	1	Item	
C	Observation and Non-Conformance register; As part of its quality systems the Contractor is required to maintain an 'Observation and Non-Conformance Register' to record and track the close out of all observations and non-conformances raised by the Contractor's site team, the Employer's Representative and Design Team etc. These registers are to be kept up to date by the Contractor, submitted regularly to the Employer's Representative for review and shall be included in the Contractor's monthly progress report.	1	Item	
D	Corrective actions for all observations and non-conformances are to be determined by the Contractor for review by the Employer's Representative.	1	Item	
<i>Contractor's Monthly Progress Reports</i> <i>The Contractor should submit a progress report at least 2 days before the start of each site meeting. Notwithstanding the contractor's obligations under Clause 4.10.2 of the contract the report must include:</i>				
E	^^- a progress statement by reference to the Master programme for the works	1	Item	
F	^^- details of any matter materially affecting the progress of the works	1	Item	
G	^^- sub-contractors and suppliers progress reports	1	Item	
H	^^- any requirement for clarification information/ drawings/ details to fulfil any obligations under the contract	1	Item	
J	^^- labour statistic report: daily record listing all management, skilled and unskilled labour on site, by trade	1	Item	
K	^^- plant report: weekly record listing significant elements of plant and machinery	1	Item	
L	^^- weather report: daily record listing part days/ days lost and identifying elements of work affected.	1	Item	
M	^^- schedule of work planned over next 2 weeks	1	Item	
N	^^- updated sample schedule in format prescribed in Architects schedule of samples.	1	Item	
Extension and External Works				To Collection €

2. CONTRACT

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	^^- issue with BCAR inspections, reports, certification arising	1	Item	
B	^^- schedule of testing/inspection required over the next two weeks.	1	Item	
C	^^- Updated Inspection Plan (where applicable)	1	Item	
D	^^- Progress photographs: fortnightly digital record photographs showing overview of progress on site and photographs of works completed since the previous site meeting (format: on disc) - Issue to Employers Representative. Minimum 40 photographs, unless by agreement with ER.	1	Item	
<i>The Control of Noise</i>				
E	The Contractor shall include noise monitoring which shall a) establish current noise levels around the site and within the school and b) monitor noise levels within the school site and building during the various stages of the project. Noise during site clearance and construction shall not exceed 65 dB (A), Leq 30minutes and the peak noise shall not exceed 75 dB (A), when measured at any point off site.	1	Item	
F	The Contractor shall provide and install sufficient sound monitors on the site to monitor the above requirement for the duration of the Contract. Recorded noise levels should be presented within the Contractor's monthly progress reports.	1	Item	
<i>Vibration Monitoring</i>				
G	The Construction works shall be carried out in accordance with the noise guidance set out by BS 5228-1:2009 Code of Practice for Noise and Vibration Control on Construction and Open Sites and the NRA Guidelines for the treatment of Noise and Vibration in National Road Schemes.	1	Item	
H	Vibration monitors to be installed on each premises that adjoins the site boundary as well on buildings on site to be retained. To be monitored and reported on by the main contractor.	1	Item	
J	The Contractor shall monitor ground vibrations at selected locations specified by the Employer's Representative to the approval of the Employer's Representative on site during the progress of the works. Each vibrograph shall be certified as being in proper working order and shall unless otherwise approved, record vibrations in three directions simultaneously with a print-out showing the amplitude and frequency of the vibrations.	1	Item	
Extension and External Works				To Collection €

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5) <i>Nuisance Precautions, Generally</i> A Take adequate precautions to protect persons and property from damage or nuisance caused by water, smoke, dust, rubbish, noise and otherwise. Execute any work which, in the Employer's Representative's opinion, is likely to cause annoyance or inconvenience to occupants of adjoining property at such times during working hours as the Employer's Representative may direct. B The Contractor shall appoint a liaison officer for all necessary communications with Drogheda Institute of Further Education and its representatives. The role of the liaison officer shall extend to communications with the adjacent residents/ occupants throughout the duration of the works. Details of the proposed liaison officer shall be agreed with the Employer's Representative prior to commencement. C The Contractor shall maintain a Complaints Register to record any complaints regarding but not limited to noise, odour, dust, traffic or any other environmental nuisance. The Complaints Register shall include details of the complaint and measures taken to address the complaint and prevent repetition of the complaint. <i>Tax Clearance</i> D It will be a condition precedent to the award of this contract that the Contractor must be able to produce promptly a Tax Clearance Certificate (unless he has a Sub-Contractor C2 Certificate). In the case of a non-resident, a statement from the Revenue Commissioners will be required. E Furthermore, it will be the responsibility of the successful Contractor to ensure that any Sub-Contractor employed by him on this contract is in possession of either a bona fide C2 Certificate or a Tax Clearance Certificate and to submit such certificate in each case for inspection by this office when required to do so. No claims for increased costs will be entertained in respect of contractor's compliance with this condition. F Payments under this contract will at all times be conditional on compliance with these requirements. It is emphasised that in the absence of a current C2 Certificate, tax must be deducted at a rate of 35% from payments due in accordance with Section 17 of the Finance Act 1970, notwithstanding that a Tax Clearance Certificate has been furnished by the Contractor.				
	1	Item		
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Extension and External Works			To Collection €	

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract <u>(Cont) THE SCHEDULE - PART 1</u> (Cont) F(i). Collateral Warranties (Sub-clause 5.5) <i>CIF Pension Sick Pay Scheme</i>				
A	The Contractor shall be a contributor for the duration of the Contract, to a Contributory Pension and Sick Pay Scheme approved by the Revenue Commissioners in respect of all employees and must comply with the relevant labour agreements.	1	Item	
<i>Custom Duties</i>				
B	The Contractor will be deemed to have included in his tender for all Customs and other duties legally payable.		Item	
<i>Value Added Tax (VAT)</i>				
C	The tender shall be submitted on a VAT exclusive basis. However tenderers shall list separately the items included in the tender amount that are liable for VAT at rates other than the special building rate (13.5%) to allow for the calculation of the Employer's total VAT outlay on the contract. The Employer reserves the right to seek advice from the Revenue Commissioners on the accuracy of the VAT allocations shown and, in the event of a dispute, the opinion of the Revenue Commissioners on the VAT rate appropriate to any item of work shall be final (See Appendix A of this Pricing Document).	1	Item	
<i>During the Contract, payment amounts due to the Contractor shall be invoiced on the following basis:</i>				
D	(a) the amount due to the Contractor that carries a VAT liability of 13.5% shall be invoiced separately from any other amounts due. This invoice shall be clearly marked with the statement 'VAT ON THIS SUPPLY TO BE ACCOUNTED FOR BY THE PRINCIPAL CONTRACTOR'	1	Item	
E	(b) amounts due to the Contractor that carry no VAT liability, or are liable at rates other than 13.5%, shall be invoiced on a second invoice that identifies amounts due at the various VAT rates (apart from 13.5%), identifies the VAT due at the various rates and states the total amount due for payment.	1	Item	
F	Applications for payment and valuations of Compensation Events shall identify the items of work that carry a VAT liability at rates other than 13.5%, stating the rate applicable.	1	Item	
G	Where the cost of any items are VAT exempt or zero rated for VAT purposes the relevant items shall be itemised and the amount of the liability at this rate shall be clearly identified.	1	Item	
Extension and External Works		To Collection €		

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5) <i>Patent Rights and Royalties</i> A The Contractor shall save harmless and indemnify the Employer for and against all claims and proceedings for or on account of infringement of any patent rights, design, trademark or name of other protected rights in respect of any constructional plant, machine work or material used or in connection with the Works. <i>Removal of Improper Work and Materials</i> <i>The Employer's Representative shall have the power to order during the progress of the Works :</i> B ^^ (a) Removal from the site of any materials which, in his opinion, are not in accordance with the Contract. C ^^ (b) Substitution of proper materials. D ^^ (c) Removal and proper re-execution (notwithstanding any previous test thereof or interim payment there for) of any work which in respect of materials of work people is not in accordance with the Contract. <i>Unfixed Works Items</i> E The Employers Representative may ask the Contractor for proof of full ownership (free from any lien or charge) in certain goods or materials delivered to the site to be embodied in the works in accordance with Clause 11 sub-clause 11.2. If this proof is not forthcoming the Employers Representative will be entitled to withhold certifying payment in respect of goods and materials in question. Payment for goods will be based on percentage value of 'material costs only' as stated within Contract Schedule 1 Part L. <i>Other items for consideration</i> F Liaise and co-operate continuously with ER to ensure that the minimum disturbance and upset is caused to the adjoining school / neighbours. Transistor radios, cassette players or the like and singing are banned within all work areas.	1 1 1 1 1 1	Item Item Item Item Item Item		
Extension and External Works	2/86		To Collection €	

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	Ensure that each Section shall be operational and have been fully snagged in advance of requesting the Employer to certify Substantial Completion. For the purposes of achieving Substantial Completion the Contractor shall ensure that the Works in that Section have been carried out to such a stage that they can be immediately used by the Employer and the school for its intended purpose and that any items of work or supply then outstanding and any Defects then patent are of trivial nature only and are such that their completion or rectification does not interfere with or interrupt the use of that Section. Such outstanding items and Defects shall be proceeded with expeditiously and shall be finished or rectified within a reasonable time after the date of Substantial Completion;	1	Item	
B	Construction deliveries should not be made to site during the school morning start time or the afternoon school closing time to avoid conflict with other traffic. <i>Site House Keeping</i>	1	Item	
C	Locate scaffolding, plant, chutes etc. to ensure all of the above requirements are complied with.	1	Item	
D	Air-borne dust should be prevented at all times	1	Item	
E	Ensure access for fire brigade and ambulances must be maintained at all times.	1	Item	
F	Ensure that the lighting of fires / burning of rubbish is not allowed on the site area.	1	Item	
G	Ensure that existing drains and sewers are kept clear and are in full use during the Works.	1	Item	
H	Ensure a safe working environment when working on roof areas or other heights	1	Item	
J	Ensure that all particularly noisy and disruptive work is carried out in accordance with good practice.	1	Item	
K	Road cleaning - All necessary measures shall be taken by the Contractor to prevent spillage or deposit of clay, rubble or other debris on adjoining roads during the course of the works. Ensure compliance with Planning Conditions including carrying out the works in such a manner as to ensure that the adjoining roads are kept clear of debris, soil and other material and if the need arises for cleaning works to be carried out on adjoining public roads, all this cleaning shall be at the Contractor's own expense.	1	Item	
Extension and External Works		To Collection €		

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5) <i>Archaeology</i> A There is always a possibility that archaeologically enriched soils, features or deposits indicating the presence of destroyed or buried Sites will be revealed during construction, even in areas in which no impact is predicted. In such an event, attention is drawn to the National Monuments Legislation (1930-2004), which states in the event of the discovery of archaeological finds or remains, The Department of Arts, Heritage and the Gaeltacht and the National Museum of Ireland should be notified immediately. <i>Levels survey</i> B Before commencement, the Contractor shall undertake a levels survey of areas within the site boundary. A copy for this survey shall be forwarded to the Employers Representative in Autocad.dwg and PDF format. Any discrepancies to be advised to the Employers Representative. <i>Acoustic Testing</i> C The Main Contractor is to employ (at their own cost) a recognised Acoustic Consultant to check the building twice during the construction process and again immediately prior to handover, to ensure that the building has been built in full compliance with the Acoustic documentation, including 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 <i>Radon Membrane Inspection and Integrity Testing</i> D 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'. Contractor to include a cost herein if not included elsewhere.	1 1 1 1	Item Item Item Item		
Extension and External Works	2/88		To Collection €	

<u>(Cont) 2. CONTRACT</u> <u>(Cont) 2.1 Form, type and conditions of contract</u> <u>(Cont) THE SCHEDULE - PART 1</u> (Cont) F(i). Collateral Warranties (Sub-clause 5.5) <i>Schedule of Dilapidations</i>				
A	The Contractor, on taking possession of the site, shall submit to the ER a photographic record and a detailed schedule of dilapidation's of areas 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 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. The Contractor shall also undertake and submit to the Employers Representative a photographic record and detailed schedule of adjacent buildings and roads.	1	Item	
B	Before starting deconstruction/ demolition work, the contractor shall examine all available information, and carry out a survey of: the structure or structures to be deconstructed/ demolished ; the site on which the structure or structures stand, and; the surrounding area. A report and method statement(s) shall be submitted following this survey describing form, condition and details of the structure or structures, the site, and the surrounding area.	1	Item	
C	The Contractor, on taking possession of the site, shall submit to the ER a photographic record and a detailed schedule of dilapidation of areas (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 of the condition of the 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 the Contract.	1	Item	
Extension and External Works				
			To Collection €	

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5) <i>Third Party Fire Safety Certification</i> A The Contractor shall employ (at the Contractor's own cost) a recognised Fire Safety Consultant to check each section of the building twice during the construction process and again immediately prior to handover, to ensure that the building has being built in full compliance with Fire Safety Certificate documentation including confirmation that the cause and effect strategy has been complied with in terms of the M&E installation and for the Consultant to provide a Certificate to this effect. This Certificate of Compliance is to be included in the Safety File and issued with all other Certification by the Contractor on completion. The third party fire safety certifier to provide Ancillary Inspection Completion Certificate (SI RIAI ACI 02) under SI 09 in relation to all of the construction elements of the building relating to Fire Safety and Compliance with Building Regulations Part B and the granted Fire Safety Certificate. <i>Extended Guarantees</i> B Contractor to include a cost herein for all extended guarantees as outlined in the Architects Specification. <i>Ecology</i> C No vegetation/ hedgerow should be cleared during the bird nesting season 1st March to 31st August inclusive until the vegetation is first checked for the presence of breeding birds, badgers and bats by a Qualified Ecologist engaged and employed by the Contractor. <i>Existing Trees</i> D Before any construction works commence on the extension, the Contractor shall install protective fencing to create compounds around all existing trees and hedgerows designated for retention. The Contractor shall ensure that these protected areas remain free of all building materials, plant, machinery, fuels, lubricants, and construction waste for the duration of the Works. <i>Articles of value</i> E All articles of value and of antiquarian or archaeological interest which may be found in the excavation or on the property of the Employer shall be handed over to the Employers Representative or the Employer.	1 1 1 1 1	Item Item Item Item Item		
Extension and External Works	2/90		To Collection €	

<u>(Cont) 2. CONTRACT</u> <u>(Cont) 2.1 Form, type and conditions of contract</u> <u>(Cont) THE SCHEDULE - PART 1</u> <u>(Cont) F(i). Collateral Warranties (Sub-clause 5.5)</u> <i>Historical Finds</i> A The Contractor accepts full responsibility for any archaeological remains found on any Site during the Works in accordance with Clause 7.8 (Archaeological Objects and Human Remains) of the Contract Conditions. All articles of value and of antiquarian or archaeological interest which may be found in the excavation or on the property of the Employer shall be handed over to the Employers Representative or the Employer. <i>Construction Environmental Management Plan (CEMP)</i> B The Contractor shall prepare a Construction Environmental Management Plan (CEMP) to be submitted to the Planning Authority before the commencement of any works on site. This document shall be treated as a live document and held onsite at all times for inspection. The CEMP shall include but not be limited to operational controls of dust, noise and vibrations, construction traffic management, waste management, protection of soils and groundwaters, protection of flora and fauna, site housekeeping, emergency response planning, site environmental policy, environmental regulatory requirements and project roles and responsibilities. The CEMP shall also address extreme weather (drought, wind, precipitation, temperature extremes) and the possible impacts of receptors and mitigation of same. The CEMP shall be treated as a live document. <i>Construction and Demolition Waste Management Plan (CDWMP)</i> C The Contractor shall prepare a Construction Demolition and Waste Management Plan (CDWMP) for the proposed development and shall submit to the Planning Authority for written agreement prior to commencement of any site activity. This document will be treated as a live document and be held onsite at all times for inspection. The CDWMP shall be updated in accordance with the Best Practice Guidelines for the preparation of resource & waste management plans for construction & demolition projects (EPA, 2021) and new National Waste Management Plan (2024-2030). Wastes arising from demolition and construction works shall be managed on site in such a manner so as to avoid environmental pollution and/or the creation of nuisance pending removal off-site by permitted waste collection contractors only The CDWMP shall be treated as a live document and communicated to all relevant personnel.	1 1 1	Item Item Item		
Extension and External Works	2/91		To Collection €	

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	All waste generated during construction, including surplus excavation material to be taken offsite, shall only be recovered or disposed of at an authorised site which has a current Waste Licence or Waste Permit in accordance with the Waste Management Acts, 1996 to 2008. All wastes shall be managed in accordance with the Resource and Waste Management Plan submitted to the Local Authority.	1	Item	
<i>Building Services</i> <i>The Contractor shall include for the provision of a dedicated Services Co-ordinator whose role shall include carrying out the following activities:</i>				
B	- The proper and accurate co-ordination of services	1	Item	
C	- The preparation, co-ordination, and weekly updating of the Contractors Building Services Integration Matrices	1	Item	
D	- Agreement of service routes/builders work openings	1	Item	
E	- Liaise at all times with the Services Engineers and Services Sub Contractors	1	Item	
F	- Liaise with the specialist equipment installers during the works	1	Item	
G	- Liaise with the Utility companies (Power, telephone, gas, water, and the like) and co-ordinate all Works and connections to avoid delays to the project	1	Item	
H	- Liaise with relevant Local Authority bodies and co-ordinate all Works and connections to avoid delays to the project;	1	Item	
J	- Ensure compliance with Building Regulations	1	Item	
K	- Ensure that all services equipment, parts, plant, components, fittings etc are ordered well in advance of the relevant works starting to avoid delays to the works	1	Item	
L	- Ensure proper and accurate co-ordination of all services	1	Item	
M	- Ensure proper and accurate system of final commissioning, testing and staff training	1	Item	
N	- Ensure full and accurate as-built drawings are prepared and signed off for inclusion in the O&M manual	1	Item	
P	- Ensure full and accurate as-built technical literature, maintenance instructions and guarantees	1	Item	
Extension and External Works				To Collection €

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5) <i>Maintenance obligation on Mechanical and Electrical Installations for duration of Defects Period</i>				
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. Fuel for testing of installations shall be deemed to be the responsibility of the Contractor and to be included for in the Contract Sum. The Contractor shall include a cost herein if not included elsewhere.	1	Item	
B	BMS contractor to provide two site visits during defects period for seasonal commissioning.	1	Item	
C	Datalogging - PC to be provided capable of storing archive data spreadsheets for at least 5 years.	1	Item	
<i>Landscaping</i>				
D	The Contractor shall be responsible for the maintenance of all landscaping works during the One Year Defects Liability Period. The Contractor shall include all associated costs for this maintenance within this item, if not already provided elsewhere.	1	Item	
<i>Alternative Performance Specifications - Energy Performance Assurance</i>				
1. Alternative Proposals:				
E	If the Contractor proposes any alternative materials, products, or performance specifications to those identified in the Contract Documents, such alternatives shall not be adopted without the prior written approval of the Employer's Representative/Design Team.	1	Item	
2. Performance Verification:				
F	Where such alternatives are proposed, the Contractor shall provide a detailed, independently verifiable analysis demonstrating that the substitution will have no adverse effect on the final operational energy demand or thermal performance of the completed building.	1	Item	
3. Calculation and Methodology:				
Extension and External Works			To Collection €	

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5) The analysis shall: A a. Be prepared by a suitably qualified professional (e.g., building services engineer or energy modeller); B b. Include all necessary calculations, simulations, and supporting data; C c. Be based on recognised methodologies and standards (e.g., CIBSE TM54, SAP, SBEM, or equivalent, as applicable); and D d. Demonstrate equivalence or improvement in predicted energy demand and carbon emissions relative to the specified design. 4. Approval Requirement: E No alternative materials or systems shall be incorporated into the Works until the Employer (or their Representative) has reviewed and accepted the Contractor's analysis in writing. 5. Responsibility: F Approval of any alternative proposal shall not relieve the Contractor of responsibility for ensuring that the completed Works meet all specified performance criteria, including energy and environmental performance targets. <i>Schedule of Guarantees</i> G The contractor shall include a cost herein for providing all required Guarantees/ Insurance Back Guarantees for the various elements of works. as outlined in the Volume A Works Requirements. No claims on the grounds of want of knowledge will be entertained whatsoever. <i>Monthly Progress Photos/ Video</i> H The contractor shall provide 'Drone' aerial shots of the project on a monthly basis. The Contractor shall include for all costs deemed necessary in connection with these works. No claims on the grounds of want of knowledge will be entertained whatsoever.				
	1	Item		
	1	Item		
	1	Item		
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Extension and External Works				
			To Collection €	

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	The contractor shall provide a 10 minute walk through video of the building and siteworks to demonstrate progress on a monthly basis. The Contractor shall include for all costs deemed necessary in connection with these works. No claims on the grounds of want of knowledge will be entertained whatsoever.	1	Item	
	<i>Architectural Photography</i>			
B	The contractor shall employ a company to provide professional photographs of the finished project including 'Drone' aerial shots. The Contractor shall include for all costs deemed necessary in connection with these works. No claims on the grounds of want of knowledge will be entertained whatsoever.	1	Item	
	<i>Works Proposals</i>			
C	The Contractor shall include a cost herein for the preparation and submission of the Works Proposals as detailed in Volume D - Works Proposals (responses to the Technical Merit Criteria as outlined in Appendix 1 of the ITT document and the accompanying tender information).	1	Item	
	<i>Pre-Substantial Completion Requirements/ Checklist</i>			
	Contractor MUST ensure the following:			
D	1. Provide independent Fire Safety compliance report as per specification including specified fire door, screen and ironmongery information.	1	Item	
E	2. Provide independent airtightness certification as per Specification.	1	Item	
F	3. Provide thermographic report as per Specification.	1	Item	
G	4. Provide all information to BER assessor.	1	Item	
H	5. Provide letter of compliance of the construction of the works with the Building Regulations as per the Specification.	1	Item	
J	6. Provide the Safety file in compliance with the Specification and the requirements of the PSDP.	1	Item	
Extension and External Works		To Collection €		

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	7. Provide a full itemised schedule for all M/E installations/ plant/ equipment etc that requires testing, commissioning and demonstration to the client prior to Substantial Completion. These are to be listed on a single document and signed and dated by the contractor, services consultant and Employer's Representative as a record that all took place and were clearly understood.	1	Item	
B	8. Provide original warranties for each piece of M&E equipment - as listed by Services Engineers and component of building envelope as per Architect's specification. State clearly the life of the warranty.	1	Item	
C	9. Provide original guarantees (insurance backed) for: roofing; flat roofing; windows.	1	Item	
D	10. It is the contractor's responsibility to snag the building. Thorough snagging is to be carried out before presentation to the design team for checking prior to Substantial Completion. The contractor is to ensure that those elements of the building that will be closed up or inaccessible at Substantial Completion are snagged and inspected earlier in the programme.	1	Item	
E	11. 1 or 2 page summary to be provided at the front of the Safety/ O&M file listing all items of equipment that require regular maintenance or testing and the periods for same - also the date for the first inspection.	1	Item	
F	12. Handover of keys and fobs: provide - 'Key handover certificates' for the following - doors, furniture, electrical cabinets etc, note boards/ cabinets, windows, access panels (in ceilings and walls/ floors etc), lifts and manholes etc - including key or fob/ swipe card. All keys to be tagged. Two copies of each key to be provided.	1	Item	
G	13. .Drainage system to be pressure tested or ball-bearing/ CCTV tested to civil engineers requirements.	1	Item	
H	14. Draw ropes been left in all empty/ spare ducts and photographed/ recorded.	1	Item	
Extension and External Works To Collection €				

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5) <i>Commissioning Plan</i> A Contractor to provide Commissioning Plan in advance of Substantial Completion. The sample shall demonstrate the Contractor's proposed approach to managing and delivering the commissioning process, including planning, coordination, testing, verification, and handover. The plan should outline key activities, roles and responsibilities, sequencing with the construction programme, and quality assurance measures to ensure that building services and systems achieve the specified performance outcomes. The submission will be assessed on the clarity, completeness, and suitability of the proposed methodology, and the Contractor's demonstrated understanding of best practice commissioning procedures in accordance with relevant standards. <i>Handover Video</i> B As part of project completion and client handover, the Contractor shall produce a comprehensive handover video documenting the completed building. The video shall provide a clear visual and verbal overview of the building's key features, systems, and operation, including demonstration of principal building services, access routes, maintenance areas, and safety systems. The purpose of the video is to assist the Client's operational team in understanding the building's layout, functionality, and maintenance requirements. The video shall be of professional quality, approximately [10-20 minutes] in duration and shall be submitted in a standard digital format (e.g. MP4) as part of the final handover documentation. The Contractor shall obtain approval of the proposed content outline prior to filming and ensure that all information presented is accurate, concise, and aligned with the operation and maintenance manuals. ADDITIONAL ENGINEERING PRELIMINARIES <i>Formation Levels</i> C - For all structures more than one storey or with a storey height exceeding 3m, the foundation formation levels shall be verified by way of bearing pressures. D - The design safe bearing pressures shall be as indicated on the Engineer's Drawings & Specification or issued otherwise.	1 1 1 1	Item Item Item Item		
Extension and External Works			To Collection €	

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	- The Contractor shall engage the services of a competent Geotechnical Engineer to inspect and confirm the safe bearing pressures at the exposed formation levels. Tenderers should base their pricing on a minimum of 6 visits by a Geotechnical Specialist.	1	Item	
B	- The Contractor shall include the price of engaging the Geotechnical Engineer and any associated overhead costs. The submission shall cover such visits and extensions thereof as such is required for the certification of the works.	1	Item	
C	- Summary inspection reports shall be issued within two weeks of the substructure works being completed. The inspection reports shall summarise all principal issues that arose and the associated response actions.	1	Item	
D	- The Contractor shall also issue upon completion of the works, a representative batch of photographs covering the inspection of all principal locations.	1	Item	
<i>Notifications</i>				
E	- The Contractor shall notify the Employers Representative on dates for foundation inspections. The Employers Representative reserves the right to make independent inspections. Such notifications shall be issued in writing at least five working days in advance of such works.	1	Item	
F	- No claims for delays arising from this requirement shall be entertained. The Contractor in the pricing proposal shall include this in the programme of works and all the relevant or associated costs.	1	Item	
G	- Notification for unexpected ground conditions shall be issued in writing to the Employers Representative within 24 hours of them becoming apparent.	1	Item	
<i>Testing Requirements</i>				
<i>Testing of Sewers, Drains & Watermains</i>				
H	The Contractor to include all costs associated with the testing requirements for watermains and sewers as outlined in the Civil Engineering Specification included in Volume A Works Requirements	1	Item	
J	The phasing and the testing of Watermains & Waste Water networks in line with the phasing requirements of the site are to be agreed between Irish Water and the Contractor.	1	Item	
Extension and External Works		To Collection €		

2. CONTRACT

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5)				
A	The Contractor shall refer to Sections 4.10 to 4.11 of the Irish Water 'Code of Practice for Waste Water Infrastructure' and include a cost herein for all works associated with testing of Foul Sewer.	1	Item	
B	The Contractor shall refer to Sections 4.10 to 4.15 of the Irish Water 'Code of Practice for Water Infrastructure' and include a cost herein for all works associated with testing of Watermains.	1	Item	
<i>Testing of All Sub-Grade</i>				
C	The dry density moisture content of the compacted sub-grade shall be determined by means of the BS standard Compaction Test (Proctor Test) as described in BS 1377 :1990.	1	Item	
D	Control of field compaction by use of this method of testing requires frequent determination of the density and moisture content of the compacted soil and also measurements of the moisture content of the excavated soil to assess its suitability as filling material. BS 1377 gives a number of standard methods of measuring the dry density the two most commonly used being the sand replacement method and the core cutter method. By measuring the moisture content of a representative sample the dry density can then be calculated. Standard cylinder penetration tests on samples of subgrade shall be carried out in order to determine the C.B.R. (California Bearing Ratio) value. Soils having C.B.R. values of less than 2 % shall be removed to tip and replaced by selected filling material.	1	Item	
<i>Pyrite Testing Regime</i>				
E	The contractor is to engage an independent testing company approved by the engineer (either Ground Investigations Ireland or IGSL or equivalent) to confirm that all the hardcore which has been supplied to the site is a suitable material with a negligible risk of swelling	1	Item	
F	The contractor to furnish proof by way of independent testing and certification that all the hardcore he is using passes the requirements of table 49, all other results are deemed failed.	1	Item	
G	The independent testing agency is to carry out the testing and provide a corresponding report confirming that all hardcore used on site is an acceptable material with a negligible risk of swelling.	1	Item	
Extension and External Works		To Collection €		

(Cont) 2. CONTRACT (Cont) 2.1 Form, type and conditions of contract (Cont) THE SCHEDULE - PART 1 (Cont) F(i). Collateral Warranties (Sub-clause 5.5) <i>Testing of Concrete Blocks</i> A The Contractor shall include for independent testing of blocks carried out in accordance with IS EN 771-3:2011. At least 2 sets of block samples shall be tested during the course of construction. The maximum interval between sampling shall be 3 months. The engineer shall be notified to supervise the sampling. <i>Testing of Mortar</i> B The Contractor to include all costs associated with the testing of mortar requirements outlined in the Civil and Structural Specification included in Volume A Works Requirements	1 1	Item Item		
Extension and External Works	2/100		To Collection €	

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Extension and External Works				

3. WORK BY NOVATED SPECIALISTS, SPECIALISTS, WORK BY...

3. WORK BY NOVATED SPECIALISTS, SPECIALISTS, WORK BY UTILITY PROVIDERS AND WORK BY OTHERS ENGAGED DIRECTLY BY THE EMPLOYER					
A	3.1 Work by Novated Specialists and other Specialists n/a		Note		
	3.2 Work by Utility Providers				
	B Capital contributions to utility providers for the permanent connections and permanent supply (e.g Irish Water, ESB, Bord Gais, Eir, etc.) will be paid by the Employer.	1	Item		
	C The Contractor, however, will be required to organise and manage the implementation of such works, as if they were part of the contract works. In this regard, therefore the contractor must allow in his tender price, and in his programme of works, for liaising with the Employer/Employer's Representative and the outside body concerned, for giving adequate notice to the Employer to pay for this work, for giving all notices required, for ensuring that the work concerned is carried out at the appropriate time/times to enable him (the contractor) to carry out and complete the overall project works in compliance with his contractual obligation, and for meeting any reasonable managerial / supervisor requirements that may be asked of him by the parties involved in the process.	1	Item		
	D The capital contribution costs and all other costs associated with all temporary diversions and temporary connections and supplies required for completion of the Works shall be borne by the Contractor.	1	Item		
	E All Works in relation to utility installations & diversions are to be in accordance with the Works Requirements	1	Item		
F	The tender sum is to include for all costs in connection with water & sewer connections incl. all fittings. The contractor is responsible for coordinating timescale with all service providers e.g. Irish Water, Roads and other agencies such as ESB, Public Lighting Designers/Providers, Eir and to ensure that all necessary licences, agreements and permissions such as for water & sewer connections including road openings are in place prior to commencement of any works.	1	Item		
Extension and External Works				To Collection €	

3. WORK BY NOVATED SPECIALISTS, SPECIALISTS, WORK BY...

<u>(Cont) 3. WORK BY NOVATED SPECIALISTS, SPECIALISTS, WORK BY UTILITY PROVIDERS AND WORK BY OTHERS ENGAGED DIRECTLY BY THE EMPLOYER</u> <u>(Cont) 3.2 Work by Utility Providers</u>				
A	ESB Networks installation: as per the Electrical Engineer's ESB Networks site layout drawing and specifications included in the Works Requirements. All costs including supply to buildings, all necessary ducting, mini/micro pillars to be borne by Contractor. The contractor is required to liaise with the ESB and ascertain all ESB requirements prior to tender and include all costs in his tender.	1	Item	
B	Site lighting installation: as per the Electrical Engineer's electrical services site lighting site layout drawings and specifications included in the Works Requirements. All costs including all necessary ducting, boxes, mini/micro pillars, lamp standards etc. to be borne by the contractor. All site lighting in compliance with ESB requirements, SEAI LED Lantern Specification for Public Sector Exterior Lighting .	1	Item	
C	Contractor to liaise with ESB and coordinate timescale for re-routing existing overhead power lines and underground power lines where applicable.	1	Item	
D	All electrical works to be in accordance with all relevant current legislation and statutory requirements and with ETCI and ESB standards including all necessary ETCI completion certificates for internal and external electricity wiring and other electricity installations. All electrical sub-contractors to be RECI or equivalent approved.	1	Item	
E	Eir installation: as per the Electrical Engineer's electrical services Eir site layout drawings and specifications included in the Works Requirements. All costs and supply to building to be borne by Contractor. Contractor is responsible for liaising and coordinating timescale with Utilities Personnel. All ducts, boxes and equipment to be supplied by contractor.	1	Item	
F	Irish Water: It is the responsibility of the main contractor to prepare and submit the Irish Water (IW) connection applications paperwork agreements and engage with all other stakeholders to ensure connections for all services are made within the project programme. It is the responsibility of the main contractor to agree and receive all connection applications agreements to ensure connections for all services and road opening licenses are obtained within the project programme.	1	Item	
Extension and External Works		To Collection €		

3. WORK BY NOVATED SPECIALISTS, SPECIALISTS, WORK BY...

<u>(Cont) 3. WORK BY NOVATED SPECIALISTS, SPECIALISTS, WORK BY UTILITY PROVIDERS AND WORK BY OTHERS ENGAGED DIRECTLY BY THE EMPLOYER</u>				
3.3 Work by others engaged directly by the Employer				
The Employer intends to appoint contractors for the provision of loose furniture, IT end user equipment and other specialist services and specialist equipment and the Contractor will be required to facilitate the work of these Contractors as Artists and Tradesmen. Contractor to allow for providing facilities for these Contractors and for insurance indemnifying the Contractor against claims arising from such Employment.		1	Item	
The Contractor must provide:				
^^^Special attendances		1	Item	
^^^General attendances		1	Item	
^^^Additional insurances		1	Item	
^^^Storage		1	Item	
^^^Positioning all equipment		1	Item	
^^^Removing all packaging and disposing of same		1	Item	
^^^Lifting, Positioning and commissioning large heavy specialist equipment (similar in size and complexity to a kiln)		1	Item	
The fit-out of employer-supplied loose furniture and equipment will commence prior to the Substantial Completion, during the construction programme. 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:				
^^^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		1	Item	
^^^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 Architects room layout drawings included in Volume A3, including white boards, interactive white boards, pin boards, toilet roll holders, soap dispensers.		1	Item	
^^^Facilitate delivery of IT equipment as supplied by the employer and commissioning of same prior to Substantial Completion.		1	Item	
Extension and External Works		To Collection €		

3. WORK BY NOVATED SPECIALISTS, SPECIALISTS, WORK BY...

<u>(Cont) 3. WORK BY NOVATED SPECIALISTS, SPECIALISTS, WORK BY UTILITY PROVIDERS AND WORK BY OTHERS ENGAGED DIRECTLY BY THE EMPLOYER</u> (Cont) 3.3 Work by others engaged directly by the Employer				
A	^^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 Architects Room Layout drawings included in Volume A3.	1	Item	
B	^^ Facilitate the Artist completing the % for art, and provide access to the works as required.	1	Item	
C	The main contractor is responsible to ensure their insurance's includes for the above items and covers all Employers Personnel, including those indicate above.	1	Item	
Extension and External Works		3/4	To Collection €	

COLLECTION Page No. 3/1 Page No. 3/2 Page No. 3/3 Page No. 3/4 3. WORK BY NOVATED SPECIALISTS, SPECIALISTS, WORK BY UTILITY PROVIDERS AND WORK BY OTHERS ENGAGED D Carried to Summary				
Extension and External Works				

4. GENERAL FACILITIES AND OBLIGATIONS

<u>4. GENERAL FACILITIES AND OBLIGATIONS</u>				
<u>4. GENERAL FACILITIES AND OBLIGATIONS</u>				
A	Maintaining temporary works, adapting, clearing away and making good shall be deemed to be included with the following items Under 4. (General Facilities And Obligations). Notices and fees to statutory Authorities or Public or Private Utility Providers or Undertakings and related to the preceding items shall be deemed to be included with those items. No claims in this regard will be entertained whatsoever.	1	Item	
a) Supervision and co-ordination of the Works.				
Generally				
B	General: Accept responsibility for coordination, supervision and administration of the Works including Building Regulation Compliance, including subcontracts.	1	Item	
C	Coordination: Arrange and monitor a programme with each subcontractor, supplier, local authority and public service company/ authority. Obtain and supply information as necessary for coordination of the work. "The building control process, in order to be effective, requires an Inspection Plan of appropriate intensity and frequency. However, it is not practicable for every item of work to which the Building Regulations relate to be examined. The supervision by the Builder is, therefore, of critical importance." - Code of Practice for Inspecting and Certifying Buildings or Works issued by the Department of the Environment Community and Local Government (February 2014) The Contractor shall;	1	Item	
D	(a) accept from the Building Owner the assignment to build and supervise the building or works outlined in the Commencement Notice;	1	Item	
E	(b) familiarise themselves with the drawings, specifications and documents lodged with the Commencement Notice;	1	Item	
F	(c) ensure a competent person is assigned to oversee the Construction works;	1	Item	
G	(d) co-operate with the design team, the Assigned Certifier and other certifiers;	1	Item	
H	e) ensure that the workmanship complies with the requirements of the Building Regulations;	1	Item	
Extension and External Works		To Collection €		

4. GENERAL FACILITIES AND OBLIGATIONS

(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS				
(Cont) Generally				
A	(f) ensure that materials which they select and for which they are responsible comply with the requirements of the Building Regulations;	1	Item	
B	(g) sign the Certificate of Compliance (completion);	1	Item	
C	(h) provide to the Assigned Certifier, such documents for which they are responsible, as may assist the Assigned Certifier to collate particulars for the purposes of handover and certification, and/or for further submissions to the Building Control Authority;	1	Item	
D	(i) ensure the coordination and provision of all test certificates and confirmations to the satisfaction of the Assigned Certifier or other designated inspectors or certifiers providing Ancillary Certificates; and	1	Item	
E	(j) maintain records.	1	Item	
F	The Contractor is required to submit a method statement describing how they will ensure compliance with the Building Regulations. This will include:	1	Item	
G	The Provision of Certificates of Compliance with Building Regulations by the Contractor, with supporting certificates by all relevant specialists including Consultants, sub-contractors, suppliers, manufacturers and all relevant Contractors with a design element to their works in the form described in the Works Requirements, or where the requirement is set out in the Inspection Plan	1	Item	
H	In the method statement the Contractor must describe how they will ensure compliance with works on site including independent tests to be provided to confirm compliance with the Regulations	1	Item	
J	The method statement should confirm the Contractor's management system for ensuring compliance with the Building Regulations. The method statement should name the individuals on site, in the Contractors Organisation (and direct employment) who are responsible for supervising the works to ensure compliance with the Building Regulations and the Inspection Plan. This particularly applies for elements of repetitive work that may be concealed between site inspections. These elements include but is not limited to;	1	Item	
K	Foundations	1	Item	
L	Services below the slab	1	Item	
Extension and External Works				To Collection €

4. GENERAL FACILITIES AND OBLIGATIONS

(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS				
(Cont) Generally				
A	Continuity of radon barrier system using materials from one supplier only,	1	Item	
B	Continuity of radon barrier system and sealing around penetrations	1	Item	
C	Compliance of concrete with specified strengths.	1	Item	
D	The installation of all structural fixings	1	Item	
E	Steel connections, bolts, fixings	1	Item	
F	That pre-cast concrete reinforcing has been correctly installed in the suppliers workshop prior to site delivery	1	Item	
G	Continuity of insulation with no gaps, including at jambs, corners, and at the base adjacent dpc / slab	1	Item	
H	Cleanliness of cavities including blockwork cavity walls,	1	Item	
J	Correct location of cavity ties	1	Item	
K	Installation and continuity of air-tightness seals and membranes	1	Item	
L	Installation of fire stopping and acoustic barriers and seals	1	Item	
M	Installation of fire rated and acoustic door frames and their ironmongery to ensure compliance with their test certificates and to comply with the works requirements.	1	Item	
N	Installation of services systems including fire safety systems	1	Item	
P	The installation of roof fixings, the sealing of roof joints	1	Item	
Q	The weather proofing of each penetration through walls, floors, and roofs,	1	Item	
R	How they are ensure that all roofing systems are being installed fully in accordance with the manufacturers recommendation and the Works Requirements	1	Item	
S	The construction of all steps and stairs so that all risers and goings, and escape widths and heights are compliant with the Building Regulations, and that the first step matches the other steps	1	Item	
T	The method statement should confirm the Contractors methodology for how they are selecting and appointing sub-contractors to comply with the works requirements including Building Regulation compliance	1	Item	
Extension and External Works		To Collection €		

4. GENERAL FACILITIES AND OBLIGATIONS

<u>(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS</u>				
(Cont) Generally				
It should also describe how the Contractor is directly supervising the work to ensure compliance.This should include named individuals who are responsible for the compliance of their respective element of the work.The purpose of this requirement is to ensure that a culture of Building Regulation compliance is clearly demonstrated across the full Construction team from the selection of the sub-contractor, site tool box briefing on compliance etc.	1	Item		
Where non-compliance occur the Contractor will be responsible for taking a photographic record of how defective work has been removed and remedial / new work carried out to close out the non-compliance. Non-compliance is defined as works which have not been carried in accordance with the Building Regulations and/or Works requirements	1	Item		
Supervision (See Clause 4 Management)				
The Contractor shall provide adequate supervisory staff (including a representative with full authority to act on behalf of the Contractor and a full time supervisor of all the Contractors activities on the Site required by Clause 4.2 of the Standard Conditions) on the site constantly to supervise and direct the work and to ensure the good progress of the various trades and sub Contractors and in their proper sequence for the completion of the Contract by the Date for Substantial Completion. The type and qualifications of this supervisory staff shall be approved before commencement of the work by the Employers Representative who shall be empowered to make reasonable demands as to qualifications in accordance with the extent and complexity of the work.	1	Item		
Include cost of all personnel as required by the conditions of contract.	1	Item		
Include cost of general foreman or foremen capable of managing both structural and finishes elements of the project or site agent as required by the conditions of contract.	1	Item		
Provide for all on and off site costs required for the supervision and co-ordination of all aspects of the works including the co-ordination of services and work of statutory bodies.	1	Item		
The Contractor shall give and provide all necessary personal superintendence during the execution of the works and for as long thereafter as the Employer's Representative may consider necessary. It shall include person(s) with first class experience in this type of work.	1	Item		
The Contractor must provide a team to complete the works and this team must include, at a minimum, the following personnel:				
Extension and External Works			To Collection €	

4. GENERAL FACILITIES AND OBLIGATIONS

(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS				
(Cont) Supervision (See Clause 4 Management)				
A	^^^i) Contracts Manager	1	Item	
B	^^^ii) Site Engineer	1	Item	
C	^^^iii) General Foreman	1	Item	
D	^^^iv) Finishing Foreman	1	Item	
E	^^^v) Services Co-ordinator	1	Item	
F	^^^vi) BCAR Supervisor/ Coordinator	1	Item	
G	^^^vii) COVID-19 Supervisor (s)	1	Item	
H	^^^viii) Temporary Works Engineer	1	Item	
	^^^^The Contractor shall include in this item for engaging the services of a competent temporary works designer whose functions shall include:			
J	^^^^Organise and co-ordinate the design of all temporary works carried out by the contractor, his subcontractors and suppliers including specialist subcontractors and suppliers and his temporary works contractors and suppliers on the works	1	Item	
K	^^^^Act as a liaison with the Project Supervisor for the Design Process and the permanent and specialist works designers with respect to co-ordinating their design with that of the temporary works designers including co-ordinating and organising the exchange of necessary information between them for the completion of the design of temporary and permanent works and for the provision of necessary information on the relevant statutory provisions for the health and safety plan and the safety file	1	Item	
L	^^^^Provide temporary works design where required on the project unless already provided elsewhere by the contractor, his subcontractors, suppliers, and his temporary works subcontractors and suppliers	1	Item	
Extension and External Works				
		To Collection €		

4. GENERAL FACILITIES AND OBLIGATIONS

<u>(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS</u>				
b) Plant, tools and vehicles				
The Contractor shall provide all and every kind of transport, plant, tools, hoists, cranes, vehicles and everything else necessary for the proper and expeditious completion of the Works and temporary works; also for all transport and freightage costs, charges and expenses necessary for the proper completion of the works. Labour, supervision, transport to and from the site and other things of every kind required for the construction, completion and maintenance of the works. The Contractor shall provide for all freightage charges, costs and expenses incidental to the complete performance of the Works unless special exemption shall have been made by the Employer.	1	Item		
<u>The Contractor shall allow for:</u>				
- bringing all such plant to site and removing on completion	1	Item		
- maintaining on site for the duration of the works.	1	Item		
Removal of Plant				
Plant / scaffolding etc. shall not be removed until so agreed by the Employer Representative and when ordered to do so it shall be removed expeditiously. Request for removal to be presented to the Employer Representative two weeks prior to the proposed removal date.	1	Item		
c) Scaffolding				
Provide as necessary all general scaffolding, personnel hoists, working platforms, etc required for the execution of the works which shall comply with all applicable statutory requirements and current codes of practice, and be carried out by persons with current certification or registration cards in accordance with the Regulations.	1	Item		
Special scaffolding required by Contractor and Sub-Contractors.	1	Item		
Provide for scaffolding externally to all external elevations of the proposed building to eaves level for the duration of the contract.	1	Item		
Provide for enclosing all external scaffolding with propriety dust screening.	1	Item		
Provide for Bringing all scaffolding to site, erecting and removing on completion	1	Item		
Extension and External Works		To Collection €		

4. GENERAL FACILITIES AND OBLIGATIONS

(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS				
(Cont) c) Scaffolding				
A	Provide for Adjusting and maintaining all scaffolding on site for the duration of the works	1	Item	
d) Site administration including the provision and keeping of all statutory records.				
B	Provide site administration and security, including watching, lighting and protection during the progress of the works and be responsible for any damage occasioned by want of sufficient watching, lighting or protection.	1	Item	
C	All areas to be photographed prior to construction start and the photographs given to the ER ((in JPG format, compression level 8, Minimum 1800x1200 pixels @ 300dpi)) and agreed with the ER as a record of the true existing condition prior to construction start.	1	Item	
D	Provide all on and off site management including authorised agent (Contracts Director).	1	Item	
<u>Site Records</u>				
E	Provide for maintaining a full set of site records of all labour, materials and their deliveries and plant used on the works to the approval of the Employer's Representative.	1	Item	
F	Provide for maintaining a full set of records of all site tests.	1	Item	
<u>Progress Records</u>				
G	Maintain an up-to-date record at bi-weekly intervals. Display progress on the site office copy of the progress chart.	1	Item	
<u>Progress Meetings</u>				
H	The Contractor, or a responsible official from his organisation, shall attend progress meetings which will be held at fortnightly (as appropriate to the stage of the works) intervals. Inform such sub-contractors and suppliers as are necessary that their attendance at progress meetings shall be required.	1	Item	
<u>Valuations</u>				
J	Submit when applicable, up to date detailed claims and supporting documents in accordance with the Conditions of Contract	1	Item	
Extension and External Works		To Collection €		

4. GENERAL FACILITIES AND OBLIGATIONS

(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS				
Method Statement and Construction Management Plan				
<u>The Contractor must provide, a minimum of one month, before start date for any section method statements for works in proximity to the school, for:</u>				
A	- fire safety	1	Item	
B	- Asbestos Management	1	Item	
C	- traffic management	1	Item	
D	- road cleaning	1	Item	
E	- compliance with planning conditions	1	Item	
F	- obtaining a road licence	1	Item	
G	- Building Services Integration, including tie-ins, and statutory suppliers / Local Authority supplies	1	Item	
H	- site security	1	Item	
J	- measures to mitigate impact on adjoining properties including housing	1	Item	
K	- Programming of the Works to include ordering of all materials, components, and equipment in good time to meet the programme requirements.	1	Item	
L	The method statement is also to include how work Sections are to be undertaken. The method statements should be co-ordinated with the construction management plan.	1	Item	
M	A detailed method statement shall be provided describing how the planning of the Works including pre-ordering of all materials including ceilings, flooring, furniture, kitchens, structural steels, roof-lights, new internal and external doors, and services routes and installations to facilitate a fully co-ordinated, effective and well planned Site start. This will include a detailed weekly programme and shall identify all necessary service tie-ins and shall be co-ordinated with the Building Services Integration Matrices.	1	Item	
e) Security				
N	On obtaining possession of the site, the Contractor shall immediately fence the site and secure the contract work zone from trespass, with a hoarding as outlined in the Works Requirements and elsewhere in this document.	1	Item	
Extension and External Works			To Collection €	

4. GENERAL FACILITIES AND OBLIGATIONS

(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS				
(Cont) e) Security				
A	The Contractor shall maintain the site in a secure and orderly condition and must put into action a security system that prevents access by anyone other than authorised persons at ALL times throughout the construction project.	1	Item	
B	The contractor shall ensure that the site is made secure from trespass at times when it is not in operation and shall provide such fencing, hoardings, enclosures, lighting and watching necessary to ensure this. The contractor shall ensure in particular that all toxic and flammable material are secure and that all access to scaffolds or unprotected areas is restricted.	1	Item	
C	The contractor shall operate a sign-in. policy whereby all persons entering and leaving the site are required to sign in and out.	1	Item	
D	The contractor shall provide a flagman to safely direct vehicles onto, and off, the site.	1	Item	
E	Watching, lighting, hoarding etc. necessary for the protection of the public and for the protection of the site and the works against trespass and interference.	1	Item	
F	The contractor, when necessary, is to make arrangements with the Garda and Local Authorities to provide access for lorries, plant etc to and from the site and arrangements must be made to limit obstruction to general public and existing school traffic. The contractor shall comply with all Garda regulations	1	Item	
G	The contractor is responsible for safeguarding the works, materials and plant against damage and theft, including providing all necessary watching and lighting for the security of the works and the protection of the public	1	Item	
H	The contractor shall ensure that reasonable precautions to prevent workmen, including those employed by the subcontractors, from trespassing on adjoining employer's property or any parts of the site which are not affected by the works	1	Item	
<u>f) Provision of clearly identifiable site perimeters and surroundings.</u>				
J	Tenderers should note that all site accommodation, material storage, contractor welfare and car parking, set down, wheel-wash and all other facilities necessary to undertake the works are to be located within the construction site allocated area, the position of each are to be agreed with the ER prior to their implementation	1	Item	
Extension and External Works			To Collection €	

4. GENERAL FACILITIES AND OBLIGATIONS

<u>(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS</u> <u>(Cont) e) Security</u> <u>(Cont) f) Provision of clearly identifiable site perimeters and surroundings.</u>				
A	The contractor will be deemed to have visited the site and ascertained the facilities of access thereto and the general convenience of working. He shall be taken to have acquainted himself with the nature of the soil and other features of the site, all existing buildings on or adjacent to the site and all other things insofar as they may have any connection with or affect the works	1	Item	
B	The compound area is to be located within the boundary of the site at the location shown on drwg T104-A. Such compound should be fully secure. The contractor shall provide all necessary hardstanding for site compounds, material storage areas and set-down areas, including all maintenance, repair, relocation as necessary during the works and removal on completion	1	Item	
C	The contractor must allow of the removal of all construction materials, debris, temporary hardstandings etc from the Site Compound and the reinstatement of the site compound area on completion of the works	1	Item	
<u>g) Provisions 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>				
D	Watching, lighting, hoarding etc. necessary for the protection of the public from site operations and all necessary arrangements for the protection of third parties and visitors to the site in accordance with all statutory requirements	1	Item	
<u>h) Transport for work people.</u>				
E	Provide all necessary transport to and from the site as required.	1	Item	
<u>i) Protecting the works from inclement weather</u>				
F	Effectively protect the works from inclement or unsuitable weather, including providing and fixing all necessary temporary coverings, screens, rainwater disposal systems and the like.	1	Item	
Extension and External Works		To Collection €		

4. GENERAL FACILITIES AND OBLIGATIONS

(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS				
(Cont) e) Security				
<u>(Cont) i) Protecting the works from inclement weather</u>				
A	Water-proof and frost-proof coverings, temporary shelter, temporary drainage and any other necessary protection for this purpose	1	Item	
<u>j) Water for the works.</u>				
B	The contractor shall arrange for his own clean, fresh water for use on the works, pay all charges in connection therewith, provide all temporary storage, plumbing services, pipes, connections, taps, hoses, valves, stand pipes etc and clean away and make good on completion	1	Item	
C	The contractor shall note that Irish Water may not provide a temporary connection to the public system. The contractor shall allow for and provide measures necessary to deal with this restriction if it arises.			
D	The Contractor shall allow for the site water supply being metered individually and metering system proposed being approved in writing by the Employer's Representative in consultation with the Building Services Engineer. The metering system, connections etc. proposed must also be in accordance with all current regulations, legislation and Health and Safety requirements. The Contractor must pay all costs and charges associated with these connections	1	Item	
E	The Contractor shall allow for all temporary plumbing work etc. necessary and shall make his own arrangements for the supply of water for the works.	1	Item	
F	Provide clean water for the works including the works of all sub-contractors, form temporary connections, provide services for distribution about the site and storage and pay all fees and charges in connection therewith.	1	Item	
<u>k) Temporary lighting and power for the works.</u>				
G	The contractor shall provide electricity for use on the works and pay all charges in connection therewith. The Contractor shall provide all artificial lighting and power for the works, provide for distribution about the site and all temporary connections, leads, fittings etc and clear away and make good on completion	1	Item	
H	It shall be the contractor's responsibility to ascertain the level of supply required by all his subcontractors and to have this available prior to them commencing work on site	1	Item	
Extension and External Works				To Collection €

4. GENERAL FACILITIES AND OBLIGATIONS

<u>(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS</u> <u>(Cont) e) Security</u> <u>(Cont) k) Temporary lighting and power for the works.</u>				
A	The contractor shall note that ESB may not provide a temporary connection to the public system. The contractor shall allow for and provide measures necessary to deal with this restriction if it arises.			
B	The Contractor shall allow for the site ESB supply being metered individually and metering system proposed being approved in writing by the Employer's Representative in consultation with the Building Services Engineer. The metering system, connections etc. proposed must also be in accordance with all current regulations, legislation and Health and Safety requirements. The Contractor must pay all costs and charges associated with these connections	1	Item	
C	The Contractor shall be permitted to connect into existing utility services (if available) subject to each utility being metered individually and metering system proposed being approved in writing by the Employer's Representative in consultation with the Building Services Engineer. The metering system, connections etc. proposed must also be in accordance with all current regulations, legislation and Health and Safety requirements. The Contractor will be fully responsible for paying any fees, connection charges and costs associated with same.	1	Item	
D	The Contractor shall provide all necessary supplies of electricity and other services necessary for the execution of the Works, shall pay all charges in connection therewith and shall ensure that all temporary installations are made in a safe and proper manner and cleared away and made good upon completion. Temporary Utilities (water, electricity, gas, telecommunications, etc.)	1	Item	
E	The Contractor shall be fully responsible in providing all the necessary utilities to complete the works in accordance with the Works Requirements. The Contractor's tender must include for all costs (connection fees, connection, standing charges, bills, disconnection, reinstatement), and for complying with all requirements.	1	Item	
	<u>l) Temporary roads, hardstandings, crossing and similar items.</u>			
F	Contractor to provide site set-up, compound, parking and traffic route drawings.	1	Item	
Extension and External Works		To Collection €		

4. GENERAL FACILITIES AND OBLIGATIONS

(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS				
(Cont) e) Security				
<u>(Cont) I) Temporary roads, hardstandings, crossing and similar items.</u>				
Temporary Access				
A	Provide for access facilities to the site, including, if and where appropriate, forming or enlarging openings in boundaries and for making good on completion. The Contractor must visit the site and examine the drawings to ascertain his requirements in this regard.	1	Item	
Temporary road, hardstandings, crossings and similar items.				
B	Provide and maintain all necessary temporary roads and hardstandings, complete with adequate temporary drainage on and adjacent to the site as deemed necessary for the execution of the works, including the works of all sub-contractors; re-instate the ground on completion. No claims on the grounds of want of knowledge will be entertained whatsoever.	1	Item	
C	The contractor should note the restrictive nature of the site in this regard.	1	Item	
Traffic Management				
D	The Contractor shall at all times during the execution, completion and maintenance of the Works, keep open and free from obstruction, all existing footpaths and roadways, adjacent to or near the site. The Contractor shall also arrange to carry out the work in a manner that will cause the least possible interference with the flow of traffic on all roadways.	1	Item	
E	The Contractor must ensure that suitable mobility management measures are in place for its staff to prevent obstructive parking behaviour on nearby residential streets.	1	Item	
F	The Contractor shall submit a traffic management plan prior to commencement on site in order to set out proposal for flag men, traffic lights etc. to be agreed with the Employers Representative, after being assessed and approved by the PSDP & PSCS.	1	Item	
G	All works outside the hoarding to be agreed with the Employers Representative in advance	1	Item	
Extension and External Works		To Collection €		

4. GENERAL FACILITIES AND OBLIGATIONS

(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS				
(Cont) e) Security				
<u>(Cont) l) Temporary roads, hardstandings, crossing and similar items.</u>				
Car Parking				
A	The Contractor shall make adequate provision for car parking for site operatives and shall require that all site operatives, whether his own Employees or those of subcontractors, park within his Contract Areas. Where the site area is too small the contractor must make alternative arrangements which do not involve parking in the surrounding streets, roads, or similar areas causing nuisance to residents and other users.	1	Item	
B	The Contractor shall note that no contractor parking will be permitted on the live school site or the church and shop area, outside the designated contract area.	1	Item	
Parking facilities for Employer & Design Team				
C	The Contractor shall provide a suitable area of hardstanding adjacent to the works and site hut for the parking of employers and Design Team cars. Suitable temporary roads shall be provided from the entrance to the site to the hardstanding carpark and these shall be suitably signposted. On completion of the contract all roads and hardstandings shall be removed as required and areas disturbed made good.	1	Item	
<u>m) Temporary accommodation for the use of the Contractor.</u>				
Welfare Facilities				
<i>Provide all temporary sheds, shelters, storage for workmen's clothing, offices, meeting room, mess and rest room rooms and sanitary accommodation required for the Contractors own use and for use by sub-Contractors in compliance with the Regulations including:</i>				
D	- Shelters and accommodation for clothing and taking meals.	1	Item	
E	- Changing rooms and lockers.	1	Item	
F	- Washing facilities	1	Item	
G	- Sanitary Conveniences	1	Item	
Provide, erect, maintain, adapt, move as and when required				
Extension and External Works		To Collection €		

4. GENERAL FACILITIES AND OBLIGATIONS

<u>(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS</u>				
(Cont) e) Security				
<u>(Cont) m) Temporary accommodation for the use of the Contractor.</u>				
(Cont) Welfare Facilities				
Provide temporary offices for the use of the Contractor and sub-contractors and any other person acting on behalf of the Contractor; the offices shall be complete with heating, lighting, desks and chairs; computer (with Auto Cad facilities); phone lines (one being ISDN) and facsimile, e-mail facilities and at least one office must have a A1 plotter for printing drawings.	1	Item		
The Contractor should note that all drawings (including revisions) will be forwarded to site via e-mail and then the Contractor will be expected to print himself the appropriate number of copies required. The Contractor must include here for all costs associated with the foregoing	1	Item		
Provide suitable separate sanitary convenience(s) for the work people in an appropriate place on the site and to the approval of the Employer's Representative. They shall be maintained by the Contractor at all times in a clean and hygienic condition and removed on completion of the Works the site being made good and deodorized where necessary. The Contractor must provide these facilities within one week of commencing work.	1	Item		
Provide offices for the Contracts Managers, Foremen or Site Agents in charge of the works.	1	Item		
The contractor should note the restrictive nature of the site in this regard.	1	Item		
n) Temporary storage areas including suitable and separate storage for dangerous materials or substances.				
Store materials in a tidy manner. Separate different materials and protect them from dirt, physical damage, reaction with other materials marking or staining, micro organisms, mildew, fungus and vermin. Do not store materials in ways which may cause damage to the works, people or property.	1	Item		
Provide suitable temporary sheds, offices, messrooms, sanitary accommodation and other buildings required for the use of the Contract and remove on completion.	1	Item		
Suitable sheds for use of the work people and the storage of materials shall be provided by the Contractor, maintained during the progress of the work and removed on completion, the site thereof being made good. Stores for cement are to be watertight and are to have raised floors to the approval of the Employer's Representative.	1	Item		
Extension and External Works			To Collection €	

4. GENERAL FACILITIES AND OBLIGATIONS

(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS				
(Cont) e) Security				
<u>(Cont) m) Temporary accommodation for the use of the Contractor.</u>				
(Cont) n) Temporary storage areas including suitable and separate storage for dangerous materials or substances.				
o) Temporary telephones for the use of the Contractor.				
A	Provide all Contracts Managers, Foremen or Site Agents with telephones, fax machines and mobile phones.	1	Item	
p) Traffic regulations				
B	Provide all costs in complying with all traffic regulations affecting the Works, the Contractor shall comply therewith and shall be responsible for the observance of this condition by his sub-contractors.	1	Item	
C	The Contractor shall include for all necessary costs associated with the implementation of a traffic management system should he consider it necessary for the safe execution of works to be carried out. This should be considered especially but not solely for works in connection to the access and egress from the site.	1	Item	
D	The Contractors attention is drawn to the fact that during the term time, students will be passing the site entrance. The Contractor is to ensure that adequate supervision is in place at this area and that no vehicles obstruct this area	1	Item	
q) Welfare facilities for work people to be in compliance with the fourth schedule of the Safety Health and Welfare at Work (Construction) Regulations.				
E	Include herein for providing all Welfare facilities for work people, in compliance with the fourth schedule of the Safety Health and Welfare at Work (Construction) Regulations.	1	Item	
r) Safety Health and Welfare at Work provisions including items for the following:-				
F	i. The operation of the requirements of the SAFE PASS and CONSTRUCTION SKILLS CERTIFICATES schemes.	1	Item	
G	ii. Safety Officers and all safety supervisors, first aiders, inspectors and certifiers required.	1	Item	
Extension and External Works				To Collection €

4. GENERAL FACILITIES AND OBLIGATIONS

(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS				
(Cont) e) Security				
<u>(Cont) m) Temporary accommodation for the use of the Contractor.</u>				
(Cont) r) Safety Health and Welfare at Work provisions including items for the following:-				
A	iii. Tests and certifications on plant and equipment	1	Item	
B	iv. Safety signs and signals	1	Item	
C	v. Provision of Personal Protective Clothing and Personal Protective Equipment (PPE) for all, including full PPE for the Employers use for at least 6 visitors (including hats, vests, jackets, boots, etc.)	1	Item	
D	vi. Provision and maintenance of emergency routes and exits and designated personnel responsible for emergency procedures	1	Item	
E	vii. Energy distribution installations	1	Item	
F	ix. Maintenance of appropriate working conditions and work stations	1	Item	
G	x. Provision and maintenance of on site traffic routes	1	Item	
H	xi. Provision of first aid equipment and first aid room as appropriate	1	Item	
J	The Contractor shall include here for any additional cost in relation to Health & Safety etc. arising from Volume A1	1	Item	
K	The Contractor shall comply in all respects with the Safety, Health & Welfare at Work Act, 2005 and with any relevant Statutory Instruments or Regulations issued thereunder. In particular, the Contractor shall comply in all respects with the Health, Safety & Welfare at Work (Construction) Regulations, 20013	1	Item	
L	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.	1	Item	
<i>Overhead Lines</i>				
M	The Contractor must ensure that adequate safety precautions are taken when working in the vicinity of overhead lines. These may include the provision of goal post type barriers on each side of the overhead line and the non-use of scaffolding or ladders within 10 meters of the overhead line.	1	Item	
Extension and External Works		To Collection €		

4. GENERAL FACILITIES AND OBLIGATIONS

(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS (Cont) e) Security <u>(Cont) m) Temporary accommodation for the use of the Contractor.</u> (Cont) r) Safety Health and Welfare at Work provisions including items for the following:- <i>COVID-19 "Work Safely Protocol"</i>				
A	The Contractor shall include all costs associated with the requirements of the Work Safely Protocol (the "Protocol"), published jointly by the Department of Business, Enterprise and Innovation and the Department of Health in consultation with the Labour Employer Economic Forum on 9th May 2020.	1	Item	
B	(i) Augmenting site infrastructure and welfare facilities such as toilets, canteen, isolation spaces, and access, egress and circulation routes to meet the standards set out in the Protocol.	1	Item	
C	(ii) Providing cleaning to the standard required in the Protocol.	1	Item	
D	(III) Providing Covid-19 supervisor role(s) as necessary to meet the requirements of the Protocol.	1	Item	
E	(iv) Providing Covid-19 Personal Protective Equipment (PPE) to meet the requirements of the Protocol.	1	Item	
F	(v) Ensuring social distancing to meet the requirements of the Protocol.	1	Item	
G	(vi) Any other measures/ operational procedures necessary to meet the requirements of the Protocol.	1	Item	
H	The Contractor shall note, while it is expected that realistic prices will be included against preliminary items based on (i) to (vi) 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.	1	Item	
Extension and External Works		To Collection €		

4. GENERAL FACILITIES AND OBLIGATIONS

(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS (Cont) e) Security <u>(Cont) m) Temporary accommodation for the use of the Contractor.</u> (Cont) r) Safety Health and Welfare at Work provisions including items for the following:-				
A	The Contractor shall note, as the project involves an extension and/or alterations to an existing live school, additional precautions will be required in relation to Covid-19 to ensure the safety of students and staff (e.g. if access is shared between the school personnel and Contractor's personnel, if Contractor's personnel are required to enter the school building area, either internally or externally, for particular tasks, or if Contractor's personnel have to undertake works in the school after school hours). Such precautions would involve, at a minimum, maintaining social distancing between Contractor's personnel and School personnel, wearing of appropriate PPE and sanitising any work areas in the school on a daily basis in preparation for school activities on the following morning.	1	Item	
B	The Contractor's sole remedies for a Covid-19 Mandatory Closure shall be those stated in sub-clause 9.3 for a Delay Event under the Schedule Part 1K Event 15 and Site Closure Costs under Clause 14 of the Contract. The provisions of clause 10 shall apply in respect of any extension of time to the Date of Substantial Completion under sub-clause 9.3 for a Delay Event under the Schedule Part 1 K Event 15 and an adjustment to the Contract Sum for the Site Closure Costs under clause 14 in respect of a Covid-19 Mandatory Closure.	1	Item	
C	In the event of a Covid-19 Mandatory Closure there shall be added to the Contract Sum the Site Closure Costs for the period of the Covid-19 Mandatory Closure[s], excluding the first [7] days in total of the Covid-19 Mandatory Closure or where there is more than one Covid-19 Mandatory Closure, the Covid-19 Mandatory Closures.	1	Item	
D	The Site Closure Costs for the period of the Covid-19 Mandatory Closure[s] will be based on the Site Closure Costs Supplement (Model Form MF-1.31) as included in the Volume A1 Project Particulars.	1	Item	
Extension and External Works To Collection €				

4. GENERAL FACILITIES AND OBLIGATIONS

(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS				
(Cont) e) Security				
<u>(Cont) m) Temporary accommodation for the use of the Contractor.</u>				
s) Disbursements arising from the employment of work people				
A	The Contractor shall allow for all payments to workpeople, including payments additional to the recognised Trade Union rates and emoluments and for the cost of any special working conditions, overtime working, site agreements or otherwise and for any additional costs involved to obtain workpeople or to bring workpeople from one area to another. All Contractors workpeople to be part of the CIF pension scheme. A signed declaration on compliance to the above, in the form of the Public Works Model Form 13 will be required from the Contractor, with each monthly progress application.	1	Item	
B	No extra will be allowed where the working of overtime is made a condition of employment in any particular trade or is necessary to achieve the Programme. Claims for overtime will be entertained only when authorised, in writing by the Employer's Representative as an extra to the Contract.	1	Item	
C	Provide for all costs in respect of employing Work People.	1	Item	
D	None but fully qualified 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 the site any work person who misconducts him/her self 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.	1	Item	
E	The Contractor shall pay rates of wages in accordance with current CIF directions/recognised rates and minimum wages shall be paid in accordance with Government Directives.	1	Item	
F	Provide for all costs in respect of labour including costs of for example:	1	Item	
G	^^^ Social Welfare Acts	1	Item	
H	^^^ Conditions of Employment Acts	1	Item	
J	^^^ Insurance (Intermittent Employment) Act	1	Item	
K	^^^ Holiday (Employers) Act	1	Item	
L	^^^ Redundancy Payments Acts	1	Item	
M	^^^ Industrial Training Acts	1	Item	
Extension and External Works		To Collection €		

4. GENERAL FACILITIES AND OBLIGATIONS

(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS				
(Cont) e) Security				
<u>(Cont) m) Temporary accommodation for the use of the Contractor.</u>				
(Cont) s) Disbursements arising from the employment of work people				
A	^^^ Factories Act, Building (Safety, Health & Welfare) Regulations	1	Item	
B	^^^ Travelling time, expenses, fares, transport	1	Item	
C	^^^ Guaranteed time	1	Item	
D	^^^ SOLAS Levy	1	Item	
E	^^^ Monitoring Agency Levy	1	Item	
F	^^^ Any other disbursements arising from the employment of labour	1	Item	
G	^^^ Non productive overtime and other expenses in connection with overtime	1	Item	
H	^^^ Incentive and bonus payments	1	Item	
J	^^^ Sick Pay Disbursements	1	Item	
K	^^^ Country Money	1	Item	
L	^^^ Pensions	1	Item	
M	^^^ AnCo Levy	1	Item	
N	^^^ Working Rule Agreement	1	Item	
P	The Contractor shall adhere to the requirements of Clause 5.3.3 of the contract.	1	Item	
Q	Give the Employer's Representative each week a daily return of the number and description of tradesmen and general labourers employed on the Works.	1	Item	
R	The Contractor shall maintain proper wage books and time sheets showing the wages paid and the time worked by all work people in the execution of the contract. Such wages books should show the PRSI number of each work person. The Contractor shall produce such wages books and time sheets whenever required for the inspection of any person authorised by the Employer	1	Item	
S	When the working of overtime is made a condition of employment in any particular trade no claim for extra payment will be allowed under this heading. Claims for overtime will not be entertained whatsoever	1	Item	
Extension and External Works		To Collection €		

4. GENERAL FACILITIES AND OBLIGATIONS

(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS (Cont) e) Security (Cont) m) Temporary accommodation for the use of the Contractor. (Cont) s) Disbursements arising from the employment of work people				
A	The contractor must include in his rates for all overtime deemed necessary to achieve the completion date	1	Item	
B	Persons engaged upon the Works should, insofar as practical and without affecting the efficiency of the work, be recruited from the local offices of SOLAS to the extent that the total labour requirement of the contract exceeds the contractor's core work-force	1	Item	
<i>Industrial Relations</i>				
C	The Contractor shall be responsible for ensuring a good industrial relations climate on site. He shall not hire any labour directly at the site.	1	Item	
D	In the event of a dispute arising, the Contractor shall take all precautions to avoid a strike situation and in the event of a strike taking place shall ensure that the main entrance is not picketed.	1	Item	
t) Maintenance of public and private roads				
E	The Contractor will be responsible for providing, maintaining and removing all required pedestrian and vehicles access and egress points to the Works in accordance with Drawings, planning permission conditions, the preliminary Health & Safety Plan, the Safety, Health and Welfare at Work (Construction) Regulations 2013 and the Health and Welfare at Work (General Application) Regulations 2007.	1	Item	
F	The Contractor is also responsible for providing, maintaining and removing all traffic management for all users of the public road and all school-related traffic as required by the phasing and construction of the Works. A banks man shall be provided at each vehicle entrance and exit to ensure that priority is always given to users of the public road. The Contractor shall pay particular care to avoid delay to users of the public road, including, where necessary, scheduling of deliveries to site outside of peak traffic periods and pick-up and drop-off times, routing of site-related vehicles to avoid residential areas and existing schools, and, liaising with other construction sites in the area, Local Authority Traffic and Roads Departments and local Gardai	1	Item	
Extension and External Works		To Collection €		

4. GENERAL FACILITIES AND OBLIGATIONS

(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS				
(Cont) e) Security				
<u>(Cont) m) Temporary accommodation for the use of the Contractor.</u>				
<u>(Cont) t) Maintenance of public and private roads</u>				
A	The Contractor shall keep the access points to the site free from obstruction and shall maintain this area clean and clear of debris and make good any works disturbed to this area.	1	Item	
B	The Contractor is to comply fully with all Planning Conditions regarding this element of the Works.	1	Item	
C	All areas to be photographed prior to construction start and the photographs given to the ER ((in JPG format, compression level 8, Minimum 1800x1200 pixels @ 300dpi)) and agreed with the ER as a record of the true existing condition prior to construction start.	1	Item	
D	Road Maintenance/Wheel Wash/Road Sweeper; The Contractor shall maintain all existing roads and footpaths during the Contract and make good any damage caused by site traffic or site operations. The roads shall be kept free of mud and debris. The Contractor shall provide for all temporary roads, tracks, entrances, hard standings and crossings as required in order to carry out and complete the works. The Contractor shall remove, reinstate and make good all temporary access routes and Installations on completion of the Project. A wheel wash shall be provided at the exit from the site. Road sweeping shall be carried out daily on existing public roads. This is a minimum requirement see also planning conditions for individual sites.	1	Item	
E	Provide for maintaining and making good damage, if any, to roads, paths, services and other property public or private, caused by or attributable in any way to the cartage of plant, materials, or personnel or the execution of the Works by the Contractor and for indemnifying the Employer against loss, damage, claim or proceedings by any Local Authority, Statutory Undertaking or others.	1	Item	
	<i>u) Removing rubbish, protective casings and coverings and cleaning the works on completion</i>			
F	Provide for removing from the site from time to time or as necessary and on completion of the works all rubbish, debris, surplus materials etc.	1	Item	
G	On completion leave the works clean and tidy and to the satisfaction of the Employer's Representative.	1	Item	
Extension and External Works		To Collection €		

4. GENERAL FACILITIES AND OBLIGATIONS

(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS (Cont) e) Security <u>(Cont) m) Temporary accommodation for the use of the Contractor.</u> (Cont) t) Maintenance of public and private roads				
A	On completion of the Works and as and when directed by the Employer's Representative, the Contractor shall clear away and removed 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.	1	Item	
B	The Contractor shall keep the site clean and tidy and make arrangements to the regular disposal of rubbish. The Contractor shall clean by brushing and hosing all walkways and roadways used by his crews and vehicles at least one per day and/or 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 Local Authority/Employer. The Contractor will be required to clear away any builders rubble, debris or waste upon completion of the the contract works and make good and reinstate to their original condition any areas disturbed during the course of construction.	1	Item	
C	Provide for removing all rubbish, protective casings and covering etc arising from his own or any of his sub-contractors operations from the site both as it accumulates from time to time and on completion.	1	Item	
D	Provide for clearing the building on completion, inside and out, removing stains and touching up paintwork and polished work, washing all floor and glass and leaving the whole of the works clean and fit for immediate occupation to the satisfaction of the Employer's Representative.	1	Item	
E	Clean the works internally and externally remove all rubbish and leave the entire works in a tidy condition ready for occupation or use.	1	Item	
F	Use cleaning material only as recommended by the relevant manufacturers and in the absence of such recommendations, the material and methods must be approved by the Employer's Representative	1	Item	
G	Remove all temporary markings, coverings and protective wrappings unless otherwise instructed	1	Item	
H	The contractor is to touch up minor faults, carefully matching colour and brushing out edges. Repaint badly marked areas back to suitable breaks of junctions	1	Item	
Extension and External Works		To Collection €		

4. GENERAL FACILITIES AND OBLIGATIONS

(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS				
(Cont) e) Security				
<u>(Cont) m) Temporary accommodation for the use of the Contractor.</u>				
(Cont) t) Maintenance of public and private roads				
A	Adjust, ease and lubricate all doors, windows, drawers, ironmongery, appliances controls and other moving parts as necessary to ensure easy and efficient operation	1	Item	
<i>v) Compliance with waste management statutory requirements</i>				
Waste Management				
B	The Contractor must provide the Employer's Representative with a Waste Management Plan, in accordance with the Health and Safety Plan, prior to disposal of any materials.	1	Item	
C	The European Waste Catalogue and Hazardous Waste List includes bituminous mixtures containing coal tar under the classification of hazardous waste.	1	Item	
D	The Waste Management (Hazardous Waste) Regulations (2004) implement provisions relating to hazardous waste. The collection and transfer of Hazardous Wastes are governed by separate legislation this being the Movement of Hazardous Waste Regulations, 2004. These Regulations set down procedures to track and monitor the movement of hazardous waste and make the local authority in whose functional area the waste originates responsible for the supervision and control of the waste.	1	Item	
E	Disposal of hazardous waste can only be undertaken at a licensed hazardous waste facility. Transfer of the hazardous material off-site requires the Contractor to obtain a waste collection permit and a consignment note (C1 Form) from the local authority.	1	Item	
F	Materials excavated from the site shall unless expressly stated otherwise be removed from site and disposed of at a tip/waste facility to be provided by the Contractor. The contractor shall ensure that all waste is removed from site by approved waste disposal contractors to approved facilities. Details of the final destination of all waste shall be furnished to the Employer's Representative quoting the reference number of the Waste Collection Permit issued under the Waste Management (Collection Permit) Regulation 2004	1	Item	
G	The contractors attention is drawn to the document "Best Practice Guidelines for the Preparation of Waste Management Plans for Construction and Demolition Projects". The contractor shall take these guidelines as mandatory and included in his tender for complying with them in full	1	Item	
Extension and External Works		To Collection €		

4. GENERAL FACILITIES AND OBLIGATIONS

(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS (Cont) e) Security <u>(Cont) m) Temporary accommodation for the use of the Contractor.</u> (Cont) t) Maintenance of public and private roads				
A	The Contractor shall prepare a Construction Environmental Management Plan (CEMP) to be submitted to the Planning Authority before the commencement of any works on site. This document shall be treated as a live document and held onsite at all times for inspection. The CEMP shall include but not be limited to operational controls of dust, noise and vibrations, construction traffic management, waste management, protection of soils and groundwaters, protection of flora and fauna, site housekeeping, emergency response planning, site environmental policy, environmental regulatory requirements and project roles and responsibilities. The CEMP shall also address extreme weather (drought, wind, precipitation, temperature extremes) and the possible impacts of receptors and mitigation of same. The CEMP shall be treated as a live document.	1	Item	
B	The Contractor shall prepare a Construction Demolition and Waste Management Plan (CDWMP) for the proposed development and shall submit to the Planning Authority for written agreement prior to commencement of any site activity. This document will be treated as a live document and be held onsite at all times for inspection. The CDWMP shall be updated in accordance with the Best Practice Guidelines for the preparation of resource & waste management plans for construction & demolition projects (EPA, 2021) and new National Waste Management Plan (2024-2030). Wastes arising from demolition and construction works shall be managed on site in such a manner so as to avoid environmental pollution and/or the creation of nuisance pending removal off-site by permitted waste collection contractors only. The CDWMP shall be treated as a live document and communicated to all relevant personnel.	1	Item	
C	All waste generated during construction, including surplus excavation material to be taken offsite, shall only be recovered or disposed of at an authorised site which has a current Waste Licence or Waste Permit in accordance with the Waste Management Acts, 1996 to 2008. All wastes shall be managed in accordance with the Resource and Waste Management Plan submitted to the Local Authority.	1	Item	
Extension and External Works				
			To Collection €	

4. GENERAL FACILITIES AND OBLIGATIONS

(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS (Cont) e) Security <u>(Cont) m) Temporary accommodation for the use of the Contractor.</u> (Cont) t) Maintenance of public and private roads <i>w) Drying the works</i>				
A	The Contractor is fully responsible for drying out the works and for providing all the necessary plant or equipment to achieve this. The Contractor must included here for all costs associated with drying out the works. (The Contractors attention is drawn to his responsibility for the adequate drying of floors to receive new finish).	1	Item	
B	Provide all temporary equipment, fuel and attendance and dry out and control the humidity of the works to facilitate progress and to prevent damage to or deterioration of the works.	1	Item	
C	When the heating installation is complete, tested and ready for operation, the Employer's Representative may grant permission to the Contractor to make arrangement with the Heating Sub Contractor for the use of the permanent heating installation to dry and control the humidity of the works; the contractor shall meet all costs in connection with use of the permanent heating installation for such purposes including insurance, fuel supplied and current consumed and shall accept liability for damage, disturbance, wear and tear however arising from such use and the maintenance, reinstatement and making good to the satisfaction of the Employer's Representative; should the Contractor elect to use the permanent installation for the purposes described above this shall not affect nor diminish his responsibility to maintain suitable temperature and humidity levels.	1	Item	
D	The contractor shall ensure that the laying of the floors which are to receive finishes are programmed to afford adequate time for drying in accordance with the various specification requirements. Should the required relative humidity level not be reached, therefore not allowing the floor finishes to be laid in accordance with the manufacturers instructions, then the Contractor shall, at his own expense apply a liquid damp proofing membrane. This liquid damp proofing membrane is to be laid after written confirmation has been received from the floor finish supplier that they are in agreement to the use of such membrane and that the membrane will in no way affect the quality, finish, warranty and use of their product. This written confirmation is to be copied to the ER as soon as it is received from the supplier.	1	Item	
Extension and External Works		To Collection €		

4. GENERAL FACILITIES AND OBLIGATIONS

(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS (Cont) e) Security <u>(Cont) m) Temporary accommodation for the use of the Contractor.</u> (Cont) t) Maintenance of public and private roads <i>x) 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</i>				
A	Provide for maintaining all temporary fencing, hoardings, fans, planked footways, guard-rails, gantries and the like as may be necessary for protecting the public, for the proper execution of the Works and for meeting the requirements of any local or other authority, including all lighting.	1	Item	
B	An appropriate hoarding is to be erected on the entire length of the entrance road in order to provide a safe environment for pedestrians and motorists sharing the road with the contractor. The contractor should include here for all costs in this regard.	1	Item	
C	Advertisements shall not be displayed on the site without the consent of the ER.	1	Item	
D	Provide secure well marked temporary fencing, hoardings, planked footways, guard rails, as may be necessary to delineate the limits of the building site within the school area, to protect school personnel, members of the public and others, for the proper execution of the Works and to prevent unauthorised entry to or trespass beyond the boundaries of the site. The hoardings shall meet the requirements of the Local Authority.	1	Item	
E	The Contractor is required to submit their hoarding design, design risk assessment, and HSA Temporary Works Design Certificate to the Employer's Representative, and Employer's PSDP, for approval prior to commencing construction works on site.	1	Item	
F	The Contractor shall provide all temporary works items included in the Preliminary Health & Safety Plan - Refer to Appendix 3 of the ITT- Information Pack.	1	Item	
Extension and External Works		To Collection €		

4. GENERAL FACILITIES AND OBLIGATIONS

(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS (Cont) e) Security <u>(Cont) m) Temporary accommodation for the use of the Contractor.</u> (Cont) t) Maintenance of public and private roads				
A	The Contractor shall allow a cost herein if not included elsewhere for all temporary works required to enable the existing school to remain fully operational; include for all necessary temporary access roads, carparking, fencing, hoardings, fans, planked footways, guardrails, gantries, stairs, entrances, exits, lighting, data/ communications/ power/ fire alarm/ water/ heating links between existing building, temporary accommodation and new extension and anything else that will be required to maximise above operational requirements and ensure safety of school users and the public at large, for the proper execution of the works and meeting the requirements of any Local or other Authority; maintain and adjust all as necessary.	1	Item	
B	The Contractor shall provide fully weathered (fully flashed, independently drained), insulated, acoustically treated and fire rated partitions (60/60/60 fire rating and 50dBA acoustic separation) between the existing school and the new works in each location that an interface is required. These temporary partitions shall also prevent dust migrating from the construction area into the occupied school. This may require to be placed in a number of locations over the course of the construction stage and may require different versions for different phases. When weathering has been completed, the acoustic and fire related element of these partitions will still be required until substantial completion. Contractor to include herein all costs associated with this requirement and the design of these temporary works.	1	Item	
	<i>y) Control of noise, pollution and compliance with statutory obligations</i> <i>Noisy Work/Disturbance</i>			
C	Noisy demolition/structural work shall be carried out during working hours to be agreed with Employers Representative or at week-ends, e.g. core drilling, use of kango hammers and heavy drills. The contractor shall note the limitations on working hours.	1	Item	
D	The Contractor shall inform the Employers Representative at least one week in advance of his intention to carry out work of an excessively noisy nature.	1	Item	
Extension and External Works		To Collection €		

4. GENERAL FACILITIES AND OBLIGATIONS

<u>(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS</u>				
<u>(Cont) e) Security</u>				
<u>(Cont) m) Temporary accommodation for the use of the Contractor.</u>				
<u>(Cont) t) Maintenance of public and private roads</u>				
A	Due to the close proximity of adjacent live school buildings to the works at a number of the site locations, the Contractor shall take all necessary measures to minimise noise levels. No radio or sound equipment is to be allowed on site.	1	Item	
B	The Contractor shall take all necessary measures to minimise noise levels when carrying out works in the vicinity and adjacent to the existing School buildings.	1	Item	
<i>Dust Control</i>				
C	All necessary measures must be taken by the Contractor to minimise / eliminate dust from the site by means of watering the works.	1	Item	
D	A construction management plan shall be submitted by the Contractor for the development which will include details of measures to be taken to minimise dust and noise disturbance.	1	Item	
<i>Reducing the Risk of Pest Infestation</i>				
E	The Contractor shall ensure that proposed building works shall protect against and not contain or provide harbourage for infestation by vermin or insects.	1	Item	
F	The Contractor shall ensure and take account of all provision of Digest 415 produced by the Building Research Establishment entitled "Reducing the Risk of Pest Infestations : Design Recommendations and Literature Review".	1	Item	
<i>Waste Water / Surface Water Run-Off</i>				
G	Surface water run-off associated with the development is not permitted to discharge onto adjoining lands.	1	Item	
H	The Contractor shall provide a method statement for the collection, treatment, disposal / discharge of waste and surface water from the site and water that may infiltrate the excavations. A large mobile centrifuge pump may be required to clean the water prior to its discharge. Waste water shall be discharged through the sewers.	1	Item	
<i>Vibrations</i>				
J	The contractor shall not allow vibration to emanate from the site and/or works which may cause nuisance to adjacent premises	1	Item	
Extension and External Works		To Collection €		

4. GENERAL FACILITIES AND OBLIGATIONS

(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS (Cont) e) Security (Cont) m) Temporary accommodation for the use of the Contractor. (Cont) t) Maintenance of public and private roads				
A	Vibration monitoring should be carried out in accordance with ISO recommendations R1996/1, 2 & 3 "Description and Measurement of Environmental Noise" as appropriate. With regard to construction activities, reference will be made to BS 5228: Noise Control on construction and open sites, which offers detailed guidance on the control of noise and vibration from demolition and construction activities <i>Pollution</i>	1	Item	
B	Do not deposit deleterious material into surface water channels or lakes. Comply with the requirements of the Rivers Pollution Protection Act, the Public Health (Ireland) Acts and the Fisheries Acts. <i>Clean Site</i>	1	Item	
C	The site surrounds must be kept clean of debris, dust and materials at all times. Special attention should be paid to ensure a secure, safe and clean site on a daily basis.	1	Item	
D	The main roads, access roads and laneways will be in constant use throughout the duration of the works and these are to be kept clean of debris and materials at all times. A suitable wheel wash should be installed at site entrances and provision should be made for mechanised road cleaning as deemed necessary. <i>z) protection of the works</i>	1	Item	
E	Provide all costs in accordance with protecting the Works.	1	Item	
F	All work shall be adequately protected during the Works by temporary casings or otherwise as required	1	Item	
G	Provide for carefully covering and protecting the works at all times against damage from inclement weather, impact or any other cause. The Contractor will also provide all necessary protection to prevent any damage to existing buildings, fences, gates, walls, roads, services, sewer pipes, tanks etc paved areas, trees, general planting and any other site features which are to remain in position during the execution of the works	1	Item	
Extension and External Works				
			To Collection €	

4. GENERAL FACILITIES AND OBLIGATIONS

(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS (Cont) e) Security (Cont) m) Temporary accommodation for the use of the Contractor. (Cont) t) Maintenance of public and private roads <i>Safeguard Against Damage</i> A Safeguard the site, the works, materials and plant against unauthorised entry, damage and theft. Make good any damage caused by ineffective protection. Provide watching and lighting necessary for the security of the works. <i>Protection of Finished Work</i> B Keep finished surfaces clean as work proceeds and protect from dirt, staining and physical damage. All new floor finishes to be covered with durable material until handover. <i>ADDITIONAL PRELIMINARIES</i> <i>Statutory Obligations</i> C The Contractor shall comply with all Statutory Regulations as they apply to the works, including the control of noise and pollution. <i>General Attendance on Specialist Sub-Contractors</i> D Provide General Attendances on Specialist Sub-Contractors, including the use of Contractors temporary roads, pavings and paths, standing scaffolding, standing power operated hoisting plant, the provision of temporary lighting and water supplies, clearing away rubbish, provision of space for the Sub-Contractors own offices and for the storage of his plant and materials and the use of messrooms, sanitary accommodation and welfare facilities. <i>Site dimensions</i> E Take all necessary site dimensions before any work is carried out; any discrepancy with figured dimensions on the drawings should be notified to the ER prior to works commencing				
	1	Item		
	1	Item		
	1	Item		
	1	Item		
	1	Item		
Extension and External Works				
			To Collection €	

4. GENERAL FACILITIES AND OBLIGATIONS

(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS (Cont) e) Security <u>(Cont) m) Temporary accommodation for the use of the Contractor.</u> (Cont) t) Maintenance of public and private roads <i>Contractor to take charge</i>				
A	Take entire charge of the building works until handed over to the Employer and be responsible for, and make good, all injuries and damages occasioned to the said works by causes over which the Contractor has control. He shall take the proper precautions to prevent such happenings and accept liability for all risks and hold the Employer harmless from any claims for injuries to persons, animals or things, or for structural damage to property happening from any neglect, default, want of proper care or misconduct on the part of the Contractor or anyone in his employment during the execution of the works.	1	Item	
B	The Contractor shall prevent trespass outside the boundaries of the site allotted to him either by those engaged upon or in connection with the works except by written permission of adjoining owners.	1	Item	
<i>Sub-Contractor's work and the like</i>				
C	Correlate the work of all the various Sub-Contractors to ensure proper progress in the appropriate order for completion of the whole project by the due date. Any additional costs caused by incorrect or insufficient information being given or by the Contractor not keeping Sub-Contractors informed of all alterations shall be borne by the Contractor.	1	Item	
D	Obtain full particulars from all Sub-Contractors of their requirements for chases, recesses, holes and other items of builder's work at an early stage and supply them with all necessary dimensions and other information so that subsequent cutting and alterations may be avoided. Any alterations caused by failure on the part of the Contractor to do this will be carried out at his own expense.	1	Item	
E	Obtain guarantees of materials and workmanship normally issued by a Sub-Contractor for periods in excess of the Contract Defects Liability Period and forward to the Employers Representative. The Contractor shall at his own expense perform any duties and carry out any work necessary to obtain such guarantees.	1	Item	
F	Obtain certificates of fire resistance for all fire-resisting doors and fire stopping materials and forward to the ER.	1	Item	
Extension and External Works		To Collection €		

4. GENERAL FACILITIES AND OBLIGATIONS

(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS				
(Cont) e) Security				
<u>(Cont) m) Temporary accommodation for the use of the Contractor.</u>				
(Cont) t) Maintenance of public and private roads				
A	The Contractor is required to ensure that any electrical work is carried out by members of the Connect Union. A signed declaration of compliance to the above will be required from the contractor.	1	Item	
<i>Certificates of Substantial Completion</i>				
B	Prior to the issue of the Substantial Completion Certificates or at a later date (subject to agreement with the Employers Representative) the Contractor shall furnish Certificates of Compliance confirming that the works have been built in accordance with the requirements of the Building Regulations.	1	Item	
<i>Modifications to Entrances</i>				
<i>Contractor to make alterations to accommodate temporary access to and from existing buildings, to include but not limited to:</i>				
C	- All necessary grubbing up, levelling and disposal of existing road surfaces, island, paths and walls.	1	Item	
D	- Re-alignment of road edges to provide a safe entrance / exit to the school	1	Item	
E	- Provision of safe crossing points for pedestrians and cyclists.	1	Item	
F	- Provision of all necessary temporary safety/ directional signage to notify changes to the Public.	1	Item	
G	All material to match and tie in with existing.	1	Item	
<i>Protection of Trees</i>				
H	The Contractor shall include for providing special protection to all existing trees to be retained in accordance with the specifications and drawings.	1	Item	
J	Prior to the commencement of construction of the extension, the Contractor shall construct fenced compounds around all trees and hedges to be retained and shall ensure that no building materials, plant machinery, fuels, lubricants or construction waste are stored within these fenced compounds to existing trees and hedges.	1	Item	
Extension and External Works		To Collection €		

4. GENERAL FACILITIES AND OBLIGATIONS

(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS (Cont) e) Security (Cont) m) Temporary accommodation for the use of the Contractor. (Cont) t) Maintenance of public and private roads <i>Setting Out</i> A The contractor shall set out the Works and keep them correct. Opening up and excavation shall not be commenced until the Employer's Representative has inspected the setting out. The checking of any setting out or any line or level by the Employer's Representative shall not relieve the Contractor of his responsibility for the correctness thereof. B All setting out is to Architect's Dimensions only. <i>Bench Marks</i> C Establish a master bench mark on the site for the duration of the Contract. <i>Tolerances</i> D Unless otherwise detailed on the drawings and specification the tolerances to be adhered to are those set out in the most recent publication of the Irish Building Specification Manual and Guidance Notes. <i>Measurements</i> E Do not scale the drawings. Use dimensions figured on the drawings for setting out the works. Check all dimensions both on drawings and site, particularly the correlation between components and the work in place. <i>Existing Levels</i> F Signify in writing any disagreement as to the correctness of the existing ground levels, as indicated on the drawings, before the commencement of the works and before the existing ground is disturbed. <i>Notice to Employer's Representative for Inspection</i> G Before placing foundations, laying drains, filling trenches pouring reinforced concrete or otherwise proceeding 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 from full responsibility for the quality of the work throughout.				
	1	item		
	1	item		
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	1	item		
	1	item		
	1	item		
	1	item		
Extension and External Works			To Collection €	

4. GENERAL FACILITIES AND OBLIGATIONS

(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS				
(Cont) e) Security				
<u>(Cont) m) Temporary accommodation for the use of the Contractor.</u>				
(Cont) t) Maintenance of public and private roads				
<i>Notices</i>				
A	Give all notices required by any Local or Public Service Authority relating to the execution of the works.	1	item	
<i>Completion Date</i>				
B	Notify the Employer's Representative in writing of the date on which it is considered Substantial Completion has been achieved and have a date agreed and certified in writing by the Employer's Representative.	1	Item	
<i>Completion, Maintenance Instructions</i>				
C	Give to the Employer's Representative, at Substantial Completion, two hard copies and one cd copy of all manufacturer's suppliers or Sub Contractors maintenance instructions.	1	Item	
D	The Certificate of Substantial Completion will not be issued until all O&M Manuals, as-built drawings and CCTV footage of foul and surface drainage pipelines (including an accurate record on SUS 25 format for manholes and pipelines) are submitted to and approved by the Employer's Representative which manuals are to be submitted 10 days in advance of the Certificate.	1	Item	
E	Prior to the Certificate of Substantial Completion, the Contractor shall provide the Employer's Representative with full plans, drawings and details of the entire development as completed. These drawings and plans shall be in hard copy and digital format and be compatible with AUTOCAD.	1	Item	
<i>Making Good Defects</i>				
F	Make arrangements with the Employer's Representative and give reasonable notice of the precise dates for access to the various parts of the works for purposes of making good defects. Make good all such defects.	1	Item	
<i>Access for Employer's Representative to Site and Workshops</i>				
G	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 where materials, manufactured articles and machinery are being obtained for the Works and the Contractor shall afford every facility for and every assistance in or obtaining the right to such access.	1	Item	
Extension and External Works		To Collection €		

4. GENERAL FACILITIES AND OBLIGATIONS

(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS (Cont) e) Security (Cont) m) Temporary accommodation for the use of the Contractor. (Cont) t) Maintenance of public and private roads <i>PRIVATELY & PUBLICLY OWNED SERVICES & SUPPLIES</i>				
A	The Contractor shall make arrangements with the Statutory Undertakers and others concerned, for the co-ordination of his work with all work which needs to be done by them or their contractors concurrently with the Works. Compliance with the periods of notice given does not relieve the Contractor of his obligations.	1	Item	
B	Private Services to individual properties have not generally been listed or shown on the drawings. The Contractor shall make arrangements with the Statutory Undertakers and others concerned for the phasing of all necessary disconnections and diversions of private services affected by the Works.	1	Item	
C	Disconnected apparatus can be removed by the Contractor only with the prior approval of the Authority concerned.	1	Item	
D	The Contractor shall carry out any trial pits required to determine the extent of these services. The Contractor should note that the exact extent of the works involved shall be dependent on the findings of trial hole operations.	1	Item	
E	All work on new and existing services to be in accordance with the specific requirements and carried out in the presence of an Inspector from the relevant Statutory Undertaker.	1	Item	
<i>TRAFFIC SAFETY & MANAGEMENT</i> <i>General Requirements</i>				
F	The Contractor must ensure that the personnel (Contractor and/or subcontractor) carrying out any works outside the boundary of the site have the relevant experience and are approved by Louth County Council and by the NRA	1	Item	
G	The Contractor shall comply with the requirements of Traffic Signs Manual - Chapter 8 - Temporary traffic measures and signs for Road works" Department of Transport, November 2010 and Guidance for the control and management of Traffic at Road works - Department of Transport, NRA and Local Government Management Services Board, November 2010.	1	Item	
Extension and External Works		To Collection €		

4. GENERAL FACILITIES AND OBLIGATIONS

(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS (Cont) e) Security <u>(Cont) m) Temporary accommodation for the use of the Contractor.</u> (Cont) t) Maintenance of public and private roads				
A	The Contractor's Temporary Traffic Management Designer shall prepare a Detailed Temporary Traffic Management Plan for all locations where works are planned on any Public Road. The Detailed Temporary Traffic Management Designs shall be prepared in accordance with Traffic Signs Manual Chapter 8 (2008 revision) and the Design Process Traffic Management Plan.	1	Item	
B	The Operational Traffic Management Plan is prepared by the PSCS through further assessment and development of the Detailed Temporary Traffic Management Plans. The PSCS shall coordinate the implementation of the developed traffic management plan during the works and the Contractor's Temporary Traffic Operations Supervisor should oversee the implementation of the traffic management plan and should immediately notify the PSCS of any problems with the plan.	1	Item	
C	Traffic Management Designer (TMD) - The TMD is a member of the Engineers Design team who is responsible for designing the Design Process Traffic Management Plan	1	Item	
D	Temporary Traffic Management Designer (TTMD) - The TTMD is appointed by the Contractor and is responsible for the Design of the Detailed Temporary Traffic Management Plan.	1	Item	
E	Temporary Traffic Operations Supervisor (TTOS) - The TTOS is appointed by the Contractor and shall have direct responsibility for the implementation of the Operational Traffic Management Plan during construction, including, installing, maintaining, modifying and removing the temporary traffic management arrangements.	1	Item	
F	The Contractor shall consult all interested parties, including (but not limited to) the IDA, Garda Síochána and the Local Authority with respect to traffic management proposals. The Contractor shall submit his proposed Operational Traffic Management Plan for approval by the Engineer and the Local Authority before commencing any works on site. The Contractor's programme of work shall allow two weeks for approval by the Local Authority of the Operational Traffic Management Plan and shall allow in his programme for other time limits specified in this Specification	1	Item	
Extension and External Works				
4/38 To Collection €				

4. GENERAL FACILITIES AND OBLIGATIONS

(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS				
(Cont) e) Security				
<u>(Cont) m) Temporary accommodation for the use of the Contractor.</u>				
(Cont) t) Maintenance of public and private roads				
A	The Guidelines as specified in the current Department of Transport Traffic Signs Manual, Chapter 8 should be used in conjunction with the Design Process Traffic Management Plan for signage, layout of road works and traffic management. This Section sets out the additional requirements over those stated in the Department of Transport Traffic Signs Manual, Chapter 8.	1	Item	
B	Where the Works are on or adjacent to Public Roads or Streets, the Contractor shall first view the Works from as many directions as traffic shall approach, plan his work sequence and his proposed traffic layout and then select the type of control devices. A full list of sign and device requirements shall be established before any site works commence.	1	Item	
C	The operational traffic management plan should include the following information as a minimum. Drawings/schedules indicating traffic management layout including the following as appropriate:	1	Item	
D	^^^Phasing of works at each location	1	Item	
E	^^^Geometric design	1	Item	
F	^^^Extent of existing trafficked road being interfered with,	1	Item	
G	^^^Position of traffic signals/signalment	1	Item	
H	^^^Working areas	1	Item	
J	^^^Width of Lanes	1	Item	
K	^^^Barriers	1	Item	
L	^^^Safety zones	1	Item	
M	^^^Provision for pedestrians	1	Item	
N	^^^Access and exit locations for construction	1	Item	
P	^^^Provision for emergency services	1	Item	
Q	^^^Timing of Operations	1	Item	
R	^^^Road Lighting/ Temporary Lighting	1	Item	
S	^^^Routes of proposed diversions	1	Item	
T	^^^Road Signage, Cones, Temporary Marking, etc.	1	Item	
Extension and External Works		To Collection €		

4. GENERAL FACILITIES AND OBLIGATIONS

<u>(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS</u>				
(Cont) e) Security				
<u>(Cont) m) Temporary accommodation for the use of the Contractor.</u>				
(Cont) t) Maintenance of public and private roads				
The Contractor may prepare and submit to the Engineer for his approval revisions to the Operational Traffic Management Plan during the course of the Works. The Operational Traffic Management Plan and revisions to that plan shall be submitted at least 7 days prior to the date on which the Contractor proposes to implement any element of the plan. The Contractor shall not commence any work, which affects vehicular, pedestrian or cycle movements without the prior written approval of the Engineer to the proposed Operational Traffic Management Plan. The Contractor shall regularly review the Operational Traffic Management Plan measures and prepare alternative plans where he considers it necessary or desirable to alter those measures. The Contractor shall not implement any alterations or revisions to the Operational Traffic Management Plan measures without the prior written consent of the Engineer.	1	Item		
The plan shall indicate traffic lane closures where required for the safe construction of the works or for the safety of personnel involved in construction activities and alternative arrangements for routing traffic. The plan shall be presented with a written description setting out the proposed sequence of traffic management measures and associated construction activities. The plan shall have regard to any concurrent Traffic Safety and Control measures in use adjoining or in close proximity to the proposed Works.	1	Item		
The Contractor shall submit with this Traffic Management proposals, full details of the timings of all operations. Such details will require the approval of the Engineer and An Garda Síochána.	1	Item		
The 'Traffic Control Area' shall be the area between the 'Roadworks Ahead' sign and the 'Roadworks End ' sign at each end of Works.	1	Item		
The 'Work Area' shall be the overall area of the Highway within which the works are executed.	1	Item		
The Contractor shall cover (in a manner approved by the Engineer) and uncover all existing signs and temporary signing which become inaccurate as a result of the introduction of any traffic management measure.	1	Item		
When directed by the Engineer or An Garda Síochána the Contractor shall:	1	Item		
Extension and External Works				
			To Collection €	

4. GENERAL FACILITIES AND OBLIGATIONS

(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS				
(Cont) e) Security				
<u>(Cont) m) Temporary accommodation for the use of the Contractor.</u>				
<u>(Cont) t) Maintenance of public and private roads</u>				
A	^^^ (a) remove loads or debris which have accidentally fallen onto the operational Traffic lanes within the Traffic Control Area, from whatever source	1	Item	
B	^^^ (b) accommodate the routing of abnormal loads through the Traffic Control Area	1	Item	
C	Under such circumstances the Contractor shall submit to the Engineer within 48 hours a full record of the plant, labour and materials used in the operation.	1	Item	
D	Any damage caused to the carriageway as a result of the establishment or removal of traffic safety and control measures shall to be made good to the satisfaction of the Engineer at the Contractors Cost.	1	Item	
E	The Contractor shall ensure that carriageways and footways are swept clean before being opened to traffic. This includes prior to the establishment of any traffic control phase.	1	Item	
F	Any permanent road markings damaged during any traffic control phase shall be replaced or brought back to the specified standard.	1	Item	
G	Meetings to discuss the schemes of Traffic Management shall be held as required by the Engineer between the Contractor and An Garda Siochana. The Contractor shall be responsible for co-ordinating these meetings.	1	Item	
H	Traffic Signs and Management Apparatus	1	Item	
J	Traffic signs shall not be erected on scaffolding.	1	Item	
K	The Contractor shall ensure continuous inspection of all traffic control equipment in use and replace any defective equipment as soon as practicable. An adequate supply of replacement equipment shall be available at all times.	1	Item	
L	The Contractor shall keep clean and legible at all times all traffic signs, cones, road markings, barriers and lamps and ensure that all equipment is in its correct position at all times.	1	Item	
<i>Notice Requirements</i>				
M	Minimum notice required by the Local Authority to consider a Contractor's application (on appropriate pro-forma and with plans where necessary) for:-	1	Item	
N	^^^ (i) Amending or making traffic orders - 8 weeks	1	Item	
Extension and External Works				To Collection €

4. GENERAL FACILITIES AND OBLIGATIONS

(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS				
(Cont) e) Security				
<u>(Cont) m) Temporary accommodation for the use of the Contractor.</u>				
(Cont) t) Maintenance of public and private roads				
A	^^^ (ii) Authorising of non-prescribed signs - 1 week	1	Item	
B	^^^ (iii) Authorising temporary traffic signals - 7 working days	1	Item	
C	^^^ (iv) Moving signs to be compatible with the state of the Works - 4 working days	1	Item	
D	The Local Authority will invoice the Contractor for current charges in respect of work of (i) and (iv) as a result of his applications. Such costs are not reimbursable under the Contract.	1	Item	
E	Applications for (i) must provide:	1	Item	
F	^^^Names of Roads	1	Item	
G	^^^Details of alternative routes being suggested	1	Item	
H	^^^Accurate description of sections to be closed	1	Item	
J	^^^Periods of required closure, terminations, traffic directions, times of operation	1	Item	
K	^^^Details of access availability for frontages, emergency services, pedestrians, construction traffic, other purposes	1	Item	
L	^^^All illustrated with suitable plans.	1	Item	
M	For the purpose of (i), (ii), (iii) and (iv) above, the appropriate Authority is Louth County Council.	1	Item	
ROUTING OF VEHICLES				
<i>Permitted Access Routes to and from the Site</i>				
N	The permitted access route to and from the site shall be as indicated on the Architect's drawings. Any other route to and from the site shall be prohibited, without prior written approval of the County Council and the ER	1	item	
P	The Contractor shall erect adequate signing to the permitted access point, and take any other measures necessary to ensure that vehicles are properly routed to and from the site.	1	Item	
Q	All signing shall comply with the traffic signs regulations and general directions.	1	Item	
R	The use of Permanent Works by Construction Traffic	1	Item	
Extension and External Works				To Collection €

4. GENERAL FACILITIES AND OBLIGATIONS

(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS				
(Cont) e) Security				
<u>(Cont) m) Temporary accommodation for the use of the Contractor.</u>				
(Cont) t) Maintenance of public and private roads				
A	Sub-formation:	1	Item	
B	^^^ The Contractor shall take suitable measures to protect the sub-formation when used by the construction traffic. The Contractor shall provide details to the Engineer of his method of protection prior to bringing any area of sub-formation into use by construction traffic. These details shall include the loading on the layer, the material to be used, the thickness and width of the layer and calculations to support the choice of any of these parameters.	1	Item	
<i>Sub base:</i>				
C	^^^ The Contractor shall take suitable measures to protect the sub-base when used by construction traffic. The Contractor shall provide details to the Engineer of his method of protection prior to bringing any area of sub-base into use by construction traffic.	1	Item	
D	^^^ Where this is to be an over-thickening of the sub-base the Contractor shall provide calculations to support the choice of the depth of thickening which he has chose to use to protect the sub-base. The thickening shall extend across the full width of the carriageway.	1	Item	
<i>Substances Hazardous to Health</i>				
E	The Contractor shall take appropriate measures to prevent injuries from substances hazardous to health which include:	1	Item	
F	^^^ (i) Culvert and waterproofing agents	1	Item	
G	^^^ (ii) Paints	1	Item	
H	^^^ (iii) Any dust in substantial concentrations	1	Item	
J	^^^ (iv) Excavated contaminants	1	Item	
K	^^^ (v) Working adjacent to live foul sewers	1	Item	
L	Nothing contained in these Preliminaries shall relieve the Contractor of his obligations under the Contract.	1	Item	
<i>Measures to be taken to Protect Members of the Public</i>				
M	The Contractor shall advise the Engineer of the measures he proposed to take to safeguard the general public and the owners and occupiers of property adjacent to the Works, from the effects of hazardous materials.	1	Item	
Extension and External Works		To Collection €		

4. GENERAL FACILITIES AND OBLIGATIONS

(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS (Cont) e) Security (Cont) m) Temporary accommodation for the use of the Contractor. (Cont) t) Maintenance of public and private roads <i>Hazardous Materials</i> A Should hazardous materials be discovered during the course of the works they shall be dealt with by the contractor. The site shall be secured and protected and arrangements for disposal to a licensed tip shall be agreed with County Council prior to any disposal taking place. B Under the guidance of an environmental consultant, the main contractor shall carry out characterisation of the soil in accordance with the 2015 EPA Guidelines "Waste Classification List of Waste & Determining if Waste is Hazardous or Non-hazardous", in addition to WAC testing to determine what facility the waste can go to. <i>Radon</i> C The radon barriers, together with sumps, vents and the like has been selected with a view to reducing radon levels to below the recommended active level of 200Bq/m3. The radon barriers should be installed and certified by a radon specialist (e.g. a member of the Radon Council of Ireland) as complying with best practice (if such best practice involves installation different to that described in the contract documents, then the contractor should install in accordance with best practice) current at the time of installation. The works will not be considered as having reached Substantial Completion, in accordance with the contract if the certificate of best practice is (as described above) not handed over to the Design Team. D In the week prior to Substantial completion the contractor shall have adequate radon detectors installed in each building by the Radiological Protection Institute of Ireland (RPII) in accordance with the protocol agreed between the RPII and DoEY. If for any reason the RPII are unable to install the radon detectors, the radon detectors are to be installed by a competent radon contractor as listed on the RPII website. The detectors are to be installed in each occupied room at ground floor level and in locations as selected by the radon contractor or as agreed with the Design Team. The contractor shall provide to the Employer's Representative, a schedule of the recorded radon levels from all detectors at intervals of four, eight and eleven and a half months from date of Substantial Completion. Should the maximum individual detector readings exceed the active level of 200Bq/m3 then the contractor shall remediate the radon protection system to achieve the active level of 200Bq/m3 at his own cost.				
	1	Item		
	1	Item		
	1	Item		
	1	Item		
Extension and External Works			To Collection €	

4. GENERAL FACILITIES AND OBLIGATIONS

(Cont) 4. GENERAL FACILITIES AND OBLIGATIONS (Cont) e) Security <u>(Cont) m) Temporary accommodation for the use of the Contractor.</u> (Cont) t) Maintenance of public and private roads				
A	The contractor will employ an independent 3rd Party testing contractor as registered by the Environmental Protection Agency (EPA). The appointed testing contractor will have appropriate PI insurance.	1	Item	
B	It is the responsibility of the main contractor to ensure that the quality of workmanship for the Radon Barrier system is adequate and is installed to the manufacturers details and specifications. Where remedial action is required due to poor quality of workmanship, this will be done at the Main Contractor's own expense.	1	Item	
C	A radon test is required 6 months after Substantial Completion during the Defects Liability Period.	1	Item	
Extension and External Works				
			To Collection €	

COLLECTION Page No. 4/1 Page No. 4/2 Page No. 4/3 Page No. 4/4 Page No. 4/5 Page No. 4/6 Page No. 4/7 Page No. 4/8 Page No. 4/9 Page No. 4/10 Page No. 4/11 Page No. 4/12 Page No. 4/13 Page No. 4/14 Page No. 4/15 Page No. 4/16 Page No. 4/17 Page No. 4/18 Page No. 4/19 Page No. 4/20 Page No. 4/21 Page No. 4/22 Page No. 4/23 Page No. 4/24				
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Extension and External Works				

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3. WORK BY NOVATED SPECIALISTS, SPECIALISTS, WORK BY UTILITY PROVIDERS AND WORK BY OTHERS ENGAGED DIRECTLY BY THE EMPLOYER	3/5			
4. GENERAL FACILITIES AND OBLIGATIONS	4/47			
TOTAL AMOUNT IN EURO TO MAIN SUMMARY EX VAT				
Extension and External Works	Summary I			



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2. SUBSTRUCTURE, SUPER- STRUCTURE & SITE DEVELOPMENT WORKS

	Description	Qty	Unit	Rate	Amount
	<u>(19) SUBSTRUCTURE</u>				
	<u>SECTIONAL COMPLETION</u>				
A	Contractor to note that all works in this project are being completed in Sections as per Proposed Ground Floor Plan drawing T100/C; Contractor to take cognisance when pricing the items included in this element as all measurement / items included herein is for the complete Works; no claims on the grounds of want of knowledge will be entertained whatsoever	1	item		
B	Contractor must include either in this item or within their rates within this element for the Works to be completed in Sections	1	item		
	<u>NOTES</u>				
C	1. When pricing the following items the Contractor's attention is drawn to the location of the site. The Contractor should also visit and check the site. No claims on the grounds of want of knowledge in respect of the above will be entertained whatsoever.		note		
D	2. Please refer to Consulting Engineers and Architect's Specification and Drawings		note		
E	3. 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 of compliance. Notwithstanding this, the appropriate foregoing documentation and samples are to be provided to the architect prior to being incorporated into the construction		note		
F	4. Reduced Levels included in 'Site Preparation' Element in Siteworks Section of BOQ		note		
	<u>EXCAVATION AND EARTHWORK</u>				
	Excavation				
	<u>Excavation; refer to DFK Structural Drawings & specification along site investigation report ref "GI Report" for additional requirements</u>				
	Foundation Pits				
G	Depth not exceeding 2.00m	7	m3		
To Collection €					

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) EXCAVATION AND EARTHWORK</u>				
	<u>(Cont) Excavation</u>				
	<u>(Cont) Excavation; refer to DFK Structural Drawings & specification along site investigation report ref "GI Report" for additional requirements</u>				
	Foundation Trenches				
A	Depth not exceeding 2.00m	311	m3		
	Soft spots				
B	Depth not exceeding 2.00m	20	m3		
	<u>Extra on Excavation Items for:</u>				
	Below Ground Water Level				
C	Generally	20	m3		
	Around Existing Services				
D	Adjacent to existing building	24	m		
E	Eircom; parallel to excavations	5	m		
F	ESB; parallel to excavations	5	m		
G	Watermains; parallel to excavations	5	m		
H	Street Lighting; parallel to excavations	30	m		
I	ESB; parallel to excavations	2	nr		
J	Watermains; parallel to excavations	2	nr		
K	Street Lighting; parallel to excavations	2	nr		
	Breaking up existing				
L	Rock; include for all necessary trimming (Provisional)	30	m3		
	<u>Working Space</u>				
	Foundations Pits				
M	Depth not exceeding 2.00m; backfilling trenches with Annex E of SR 21 hardcore	34	m2		
	Foundations Trenches				
N	Depth not exceeding 2.00m; backfilling trenches with Annex E of SR 21 hardcore	678	m2		
				To Collection €	

	Description	Qty	Unit	Rate	Amount
	(Cont) EXCAVATION AND EARTHWORK				
	(Cont) Excavation				
	<u>Disposal</u>				
	Water				
A	Surface	1	item		
B	Ground	1	item		
	Excavated material; All surplus materials to be disposed of off-site to a licensed waste disposal facility granted by the EPA under Section 40 of the Waste Management Act or by the Local Authority under the Waste Facility Permit Regulations				
C	Disposal off site; Disposal to a suitable licensed waste disposal facility; to pits	7	m3		
D	Disposal off site; Disposal to a suitable licensed waste disposal facility; to trenches	311	m3		
E	Disposal off site; Disposal to a suitable licensed waste disposal facility; to soft spots	20	m3		
	<u>Filling with blinded and hardcore compacted fill to be obtained off-site; 'T1 Struct' in compliance with NSAI SR21:2014 + A1 :2016 (ANNEX E). installed and compacted in layers in accordance with the latest ISEN 13242; depositing in 200mm layers maximum thickness; compacting</u>				
	To make up levels				
F	Average thickness exceeding 250mm	83	m3		
	<u>Filling with blinded and hardcore compacted fill to be obtained off-site; 'T2 Perm' in compliance with NSAI SR21:2014 + A1 :2016 (ANNEX E). installed and compacted in layers in accordance with the latest ISEN 13242; depositing in 200mm layers maximum thickness; compacting</u>				
	To make up levels				
G	Average thickness not exceeding 250mm	69	m3		
	To excavations				
H	Average thickness not exceeding 250mm	47	m3		
				To Collection €	

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) EXCAVATION AND EARTHWORK</u>				
	<u>(Cont) Excavation</u>				
	<u>Surface Treatments</u>				
	Blinding filling; 'T3 Blind' in compliance with SR21:2014 & A1 :2016 (ANNEX E); compacting				
A	Generally; 50mm thick	552	m2		
	<u>CONCRETE WORK</u>				
	<u>In-situ Concrete</u>				
	<u>Concrete cubes for testing</u>				
	Provide for making sampling and testing procedures shall comply with IS EN 12350 Testing Fresh concrete; transporting and testing cubes; all as per details in Engineer's Concrete Specification Section				
B	Size 150 x 150 x 150mm	11	nr		
	<u>Blinding/Lean mix concrete; Mix reference: C12/15; nominal maximum aggregate size: 20mm (I.S. EN 206); refer Engineer's Specification for additional requirements</u>				
	Bulk filling under foundations				
C	Generally; poured on or against earth or unblinded hardcore	22	m3		
	Bulk filling under Pads				
D	Generally; poured on or against earth or unblinded hardcore	3	m3		
	Bulk filling to soft spots				
E	Generally; poured on or against earth or unblinded hardcore	20	m3		
	Lean mix blinding				
F	50mm blinding to foundation trench bases/pads	11	m3		
To Collection €					

	Description	Qty	Unit	Rate	Amount
	(Cont) CONCRETE WORK				
	(Cont) In-situ Concrete				
	<u>In-situ Concrete; Reinforced</u>				
	Structural concrete to foundations; designed concrete; strength class C30/37; exposure class XC4; chloride class Cl 0.40; nominal maximum aggregate size 20 mm; minimum cement content 310 kg/m³; maximum free water/cement ratio 0.55; consistence class S3; recycled concrete aggregate not permitted; all in accordance with I.S. EN 206, the Irish National Annex and the Engineer's Specification.				
	<i>Foundations</i>				
A	Generally; Reinforced	71	m3		
	<i>Pads</i>				
B	Generally; Reinforced	1	m3		
	Structural concrete to internal floor slabs; designed concrete; strength class C30/37; exposure class XC4; chloride class Cl 0.40; nominal maximum aggregate size Dmax 20 mm; minimum cement content 300 kg/m³; maximum free water/cement ratio 0.55; consistence class S3; cement types in accordance with Tables NA.2 and NA.3 of NA:2015 to I.S. EN 206:2013; coarse and fine aggregates complying with I.S. EN 12620 and SR 16; recycled concrete aggregate not permitted; minimum cover to reinforcement 50 mm; all in accordance with I.S. EN 206, the Irish National Annex and the Engineer's Specification, including Clauses 4.8 and 4.9 and the Form A Schedule for Designated Mixes.				
	<i>Beds</i>				
C	Not exceeding 150mm; reinforced	83	m3		
D	Extra over for forming recess in concrete for matwells; recessed 20mm	18	m		
E	Extra over for forming recess in concrete for shower drainage; recessed 50mm to accommodate shower drainage	4	m		
	<u>Sundries on In-situ Concrete</u>				
	Designed Joints; refer Engineer's Drawings and Specification				
				To Collection €	

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) CONCRETE WORK</u> <u>(Cont) In-situ Concrete</u> <u>(Cont) Sundries on In-situ Concrete</u> Control joint in concrete floor slab; comprising 5 mm wide × 50 mm deep saw-cut groove formed within 24 hours of casting; terminate main slab reinforcement mesh 300 mm back from each side of saw cut; provide 600 mm wide strip of A252 reinforcement mesh centrally positioned beneath joint at bottom of slab; including all cutting, additional reinforcement, laps, tying wire, supports and associated work; complete in accordance with the Engineer's saw-cut control joint detail (SCJ)				
A	Width not exceeding 150mm; Depth 150 - 300mm	52	m		
	<u>Surface Finishes</u>				
	Powerfloating				
B	Generally	552	m2		
	Towelling				
C	Tops of foundations & Pads	242	m2		
	<u>Reinforcement</u>				
	Special Connections; Form connection between new and existing concrete foundations using 3 No. M16 high-yield steel reinforcing bars, each 800 mm long, drilled and resin anchored 300 mm into existing foundation and cast into new foundation; including drilling, cleaning holes, proprietary resin anchoring system, cutting, fixing and all associated labour and materials; all in accordance with the Structural Engineer's details.				
	Bar; straight or bent				
D	3nr M16 bars 800mm long per connection point	6	Nr		
To Collection €					

	Description	Qty	Unit	Rate	Amount
	(Cont) CONCRETE WORK				
	(Cont) In-situ Concrete				
	<u>Steel fabric reinforcement to concrete work; high-tensile fabric reinforcement complying with BS 4483; type, reference, bar diameter and arrangement as shown on the Engineer's drawings and reinforcement schedules; reinforcement welded at intersections and delivered in flat sheets unless otherwise specified; cut cold and bent in accordance with BS 8666; including manufacturer's compliance certification, cutting, bending, laps, tying wire, chairs, supports, spacers and maintaining the specified concrete cover; all in accordance with the Engineer's drawings and Specification Clauses 4.32-4.35</u>				
A	A393 mesh; 6.16kg/m2; 400mm side and end laps Trenches; 1 layer bottom	238	m2		
B	A393 mesh; 6.16kg/m2; 400mm side and end laps Pads; 2 layers bottom	9	m2		
C	A252 mesh; 3.95kg/m2 400mm side and end laps in beds; 1 layer top	552	m2		
D	<u>Anti-crack reinforcement to concrete floor slabs; 2 no. H12 high-yield steel reinforcing bars, each 1,000 mm long, at each location indicated; including cutting, positioning, tying and supports to maintain specified cover; all in accordance with DFK's drawings and Structural Engineering Specification</u> Anti Crack Steel H12 bars	4	m		
	<u>Formwork</u>				
	Formwork and falsework to in-situ concrete; including design, erection, supports, bracing, ties, release agents, striking and removal; formed to the profiles and dimensions indicated, with plain finish unless otherwise specified; all in accordance with DFK's drawings and Structural Engineering Specification, Clauses 4.24-4.29.				
E	Sides of foundations Height or width 250-500mm	517	m		
F	Sides of pad foundations Height or width 250-500mm	14	m		
				To Collection €	

Description		Qty	Unit	Rate	Amount
(Cont) CONCRETE WORK					
(Cont) In-situ Concrete					
<u>(Cont) Formwork</u>					
Sides of foundations for trench fill					
A	Height or width exceeding 500mm	80	m2		
Edges of Beds					
B	Height or width not exceeding 250mm	405	m		
Sides of upstands and steps in top surfaces					
C	Height or width not exceeding 250mm; for 20mm recess for matwells	18	m		
D	Height or width not exceeding 250mm; for 50mm recess for shower drainage	4	m		
<u>Concealed Precast Lintels: Standard: To BS EN 845-2:2013;</u>					
<u>Precast concrete lintel, 65 mm deep x 800 mm long, width to</u>					
<u>suit rising wall depth; including required end bearings,</u>					
<u>bedding, cutting, fitting and all associated labour and</u>					
<u>materials; all in accordance with the Structural Engineer's</u>					
<u>details</u>					
Lintels					
E	100mm wide x 65mm deep x 800mm long	3	nr		
F	215mm wide x 65mm deep x 800mm long	4	nr		
G	550mm wide x 65mm deep x 800mm long	9	nr		
				To Collection €	

	Description	Qty	Unit	Rate	Amount
	<u>BRICKWORK AND BLOCKWORK</u>				
	Blockwork				
	Aggregate concrete blocks; Manufacturer: To Structural Engineers Specification. Standard: To BS EN 771-3. Block description: To Structural Engineers Specification. Compressive strength: 13N, Characteristic value: To Structural Engineers Specification. Thermal conductivity: To I.S. EN 1745 Masonry and masonry products-Methods for determining design thermal values. table A3. Reaction to fire: Class A1. Euro code 6 # I.S. EN 1996 Design of Masonry Structures # Part 1-2: General Rules # Structural Fire Design, defines the methods and calculations to determine the fire resistance of concrete block walls. Execution: Pr 20_93_52/625 Brickwork and blockwork appearance; Pr 20_93_52/690 Laying brick and block masonry units generally; Pr 20_93_52/635 Brickwork and blockwork pointing; Pr 20_93_52/630 Brickwork and blockwork bond; As per Architects Specification				
	Walls; in trenches				
A	100mm thick	51	m2		
B	215mm thick	82	m2		
C	550mm thick	118	m2		
	Labours				
D	On blockwork; generally	1	item		
	Autoclaved aerated concrete (AAC) blocks Thermal Blocks; Manufacturer: Roadstone Ltd; Product reference: Roadstone Thermal Liteblock System. Category 1 unit in accordance with EN 771-3. CE marked. Or equivalent; Thickness: as required; Standard: To BS EN 771-4; Junctions: Provide expanded metal at junction of different types of blockwork to ensure no cracking at junctions; Mean compressive strength 13N (minimum); Category: To Structural Engineers Specification; Freeze/ thaw resistance: Deemed to satisfy national requirements when used and rendered in accordance with SR 325; Thermal conductivity (maximum): 1.01 - 1.19 W/mK (?10,dry) to I.S. EN 1745 Annex A; Accessories or special shapes: Type: Coursing blocks; Tolerance category: D1 (+3mm, -5mm); Density: >1900kg/m3; Reaction to fire: to BS EN 13501-1: A1; Execution: CE Marking, NSAI certificate required				
	Walls; in trenches				
E	100mm wide x 225mm high ; internal walls	13	m2		
F	225mm wide x 225mm high ; internal walls	20	m2		
To Collection €					

	Description	Qty	Unit	Rate	Amount
	(Cont) BRICKWORK AND BLOCKWORK				
	(Cont) Blockwork				
	(Cont) Autoclaved aerated concrete (AAC) blocks Thermal Blocks; Manufacturer: Roadstone Ltd; Product reference: Roadstone Thermal Liteblock System. Category 1 unit in accordance with EN 771-3. CE marked. Or...				
	(Cont) Walls; in trenches				
A	225mm wide x 225mm high ; externall walls	29	m2		
	Labours				
B	On blockwork; generally	1	item		
	<u>Ancillaries to Brickwork/Blockwork</u>				
	Forming 150 mm wide cavities, including stainless steel cavity wall ties installed at the engineers designed centres and strictly in accordance with the approved manufacturer's recommendations; including 145 mm thick full-fill polyisocyanurate (PIR) rigid cavity wall insulation, manufactured without CFCs or HCFCs, rebated on all four edges and faced on both sides with low-emissivity composite foil adhesively bonded to the insulation core during manufacture; all board joints and junctions to be closely butted and sealed with proprietary aluminium foil insulation tape or approved equivalent; including cutting, fitting and sealing around openings, corners, junctions, cavity closers, wall ties and service penetrations to maintain continuous insulation and minimise thermal bridging; insulation to achieve the thermal performance specified by the Architect; contractor to submit proposed product, technical data, certification, thermal calculations and installation details for approval; complete installation in accordance with the approved manufacturer's instructions, Architect's drawings and Architect's Specification				
	Forming cavities; between new walls; in trenches				
C	150mm wide cavity; 145mm insulation as specified	29	m2		
	<u>Gas-resistant damp-proof courses Type A; Manufacturer: Necoflex; Product reference: Easi-Load# Radon DPC or equal approved; Easi-Load# Radon Corner Assembly</u>				
	Damp proof courses				
D	Width not exceeding 225mm; laps 150mm; horizontal	131	m		
E	Width exceeding 225mm; laps 150mm; stepped	29	m2		
				To Collection €	

Description		Qty	Unit	Rate	Amount
ROOFING, CLADDING AND WATERPROOFING					
Mastic Asphalt, Waterproof and Gas proof Non-Metal Flexible Sheet Coverings					
Plastics sheets – radon membrane: Provide and install a loose-laid, reinforced multi-layer virgin low-density polyethylene (LDPE) gas-resistant radon membrane, suitable for use as a damp-proof membrane; nominal thickness 355 microns; nominal weight 355 g/m²; minimum tensile strength 480 N/50 mm longitudinally and 450 N/50 mm transversely; minimum tear resistance 405 N longitudinally and 425 N transversely; maximum moisture-vapour transmission rate 0.3 g/m²/day; minimum water-vapour resistance 680 MN·s/g; maximum radon transmittance 16×10^{-9} m/s; and maximum radon permeability 5.6×10^{-12} m²/s; including a fully compatible gas-resistant DPC system, proprietary jointing tapes, seals, preformed corners, service collars and all necessary accessories required to form a continuous gas-tight barrier; all laps shall be fully sealed and the membrane turned up, turned under and terminated at the locations indicated, including around junctions, changes in level and all service and structural penetrations, strictly in accordance with the approved manufacturer's recommendations and Architect's details; protect the membrane immediately following installation and repair any punctures or damage before covering or placing concrete; contractor to submit proposals for the complete radon membrane and DPC system, including current technical data, Declaration of Performance, third-party certification, installation details and proposed protection measures, for the Architect's approval; refer to Architect's Specification					
Damp Proofing					
A	Horizontal exceeding 300mm	635	m2		
B	Vertically exceeding 300mm	128	m2		
Extra Over For					
C	Radon detailing to External Walls, complete, including easi-load radon DPC detail, folding radon membrane, Monobond double sided tape etc, all as per Architects Specification	131	m		
D	Radon detailing to Internal Walls, complete, including easi-load radon DPC detail, folding radon membrane, Monobond double sided tape etc, all as per Specification	148	m		
				To Collection €	

Description		Qty	Unit	Rate	Amount
(Cont) ROOFING, CLADDING AND WATERPROOFING					
(Cont) Mastic Asphalt, Waterproof and Gas proof Non-Metal Flexible Sheet Coverings					
<u>(Cont) Plastics sheets – radon membrane: Provide and install a loose-laid, reinforced multi-layer virgin low-density polyethylene (LDPE) gas-resistant radon membrane, suitable for use as a damp-proof membrane; nominal thickness...</u>					
Collars around pipes, standards and the like; allow for dressing radon barrier around; including all additional radon membrane, additional tanking items, radon tape, collars etc.					
A	Size of pipes; 110mm diameter; Height of Collar; 300mm	17	nr		
<u>Depressurization sumps; Description: Radon Sump; Manufacturer: Necoflex Easi-Sump or equivalent; Material: Rigid PVC; Shape: Square; Size: 380x380; Sump height (nominal): 124; Inlets/ outlets: Number of inlets/ outlets: 4, Diameter: 124; refer to section Architect's Specification</u>					
Gas proofing; Sumps					
B	Generally	2	nr		
Gas proofing; Radon vent pipework; interconnecting					
C	110mm dia.	11	m		
D	100mm Dia Radon Vent stack - Wavin Osmasoil or equivalent to be solvent welded	2	nr		
E	Cap Link; including pvc cover, frame, coupling with gas seals top and bottom	2	nr		
				To Collection €	

Description		Qty	Unit	Rate	Amount
WOODWORK					
Ironmongery, Accessories and Sundries					
<u>Polyisocyanurate (PIR) high-density rigid floor insulation boards, 150 mm thick, faced on both sides with low-emissivity composite foil adhesively bonded to the insulation core during manufacture and complying with I.S. EN 13165; insulation to provide a maximum elemental floor U-value of 0.15 W/m²K; boards closely butt-jointed with staggered joints and laid over the radon barrier membrane, including cutting and fitting around service penetrations, edges and junctions to maintain continuous insulation and minimise thermal bridging; contractor to submit proposed floor insulation product, technical data, certification, thermal calculations and installation details for approval; complete installation strictly in accordance with the approved manufacturer's recommendations, Architect's drawings and Architect's Specification</u>					
Insulation; Thermal					
A	Horizontal; width exceeding 300mm	552	m2		
<u>Polyisocyanurate (PIR) high-density rigid insulation boards, 30 mm thick, faced on both sides with low-emissivity composite foil adhesively bonded to the insulation core during manufacture and complying with I.S. EN 13165; installed vertically at the perimeter walls, with boards closely butt-jointed and accurately cut and fitted around corners, junctions and service penetrations to maintain continuous insulation and minimise thermal bridging; including all necessary cutting, fitting, sealing, supports and fixings; contractor to submit proposed insulation product, technical data, certification and installation details for approval; complete installation strictly in accordance with the approved manufacturer's recommendations, Architect's drawings and Architect's Specification.</u>					
Insulation; Thermal					
B	Vertically; height not exceeding 300mm	380	m		
				To Collection €	

	Description	Qty	Unit	Rate	Amount
	<u>DRAINAGE</u>				
	Excavation				
	<u>Excavating trenches to receive pipes / ducts not exceeding 250mm diameter, earthwork support to sides of trenches; include for excavating below ground water level; grading bottoms of excavations; backfilling with imported selected fill material approved by the Engineer; disposal of surplus soil off site; All surplus materials to be disposed of off-site to a licenced waste disposal facility granted by the EPA under Section 40 of the Waste Management Act or by the Local Authority under the Waste Facility Permit Regulations</u>				
A	Average Depth 500- 1000mm	36	m		
	<u>Granular fill bed and surround; 14mm or 5mm graded aggregate or 10mm single sized aggregate; complying with the requirements of the Engineer's Specification; compaction factor value not greater than 0.2 when measured in accordance with Engineer's Specification; well compacted; as per Engineer's Drawings & Specification</u>				
	Beds and Surround				
B	400 x 400mm to 100mm diameter pipe	36	m		
	<u>Plain in-situ concrete bed and surround; minimum 150mm bed; Class C20/25; leanmix concrete backfill; as per Engineer's Drawing</u>				
	Beds and Surrounds				
C	400 x 400mm to 100mm diameter pipe (to existing surface water line; contractor to allow for locating and carefully exposing the existing pipe, cutting, adapting, connecting, sealing, making good and all necessary fittings; contractor to allow for maintaining the existing surface-water drainage system as a live service throughout the works, including any temporary diversion, bypass pumping as required)	10	m		
	PVC marker tape "Heptape" or equivalent				
D	Continuous strip laid during trench backfill, 100mm above pipework	46	m		
	Pipe; PVC SN8 pipework and fittings; to Engineer's Specification				
	<u>Pipes; loose couplers and ceiling ring joints in the running length</u>				
E	100mm diameter	36	m		
To Collection €					

Description		Qty	Unit	Rate	Amount
(Cont) DRAINAGE					
(Cont) Pipe; PVC SN8 pipework and fittings; to Engineer's Specification					
<u>Extra over pipework runs for</u>					
bends - 90 degree					
A	100mm diameter pipe	17	nr		
bends - 45 degree					
B	100mm diameter pipe	6	nr		
T- Branches 100*100*100mm					
C	100mm diameter pipe	4	nr		
				To Collection €	

Description	Qty	Unit	Rate	Amount
COLLECTION				
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Page No. 1/15				
(19) SUBSTRUCTURE				
Carried to Summary				

Description		Qty	Unit	Rate	Amount
<u>(21) EXTERNAL WALLS</u>					
<u>SECTIONAL COMPLETION</u>					
A	Contractor to note that all works in this project are being completed in Sections as per Proposed Ground Floor Plan drawing T100/C; Contractor to take cognisance when pricing the items included in this element as all measurement / items included herein is for the complete Works; no claims on the grounds of want of knowledge will be entertained whatsoever	1	item		
B	Contractor must include either in this item or within their rates within this element for the Works to be completed in Sections	1	item		
<u>CONCRETE WORK</u>					
<u>In-Situ Concrete</u>					
<u>Mortar cubes for testing</u>					
Mortar testing; allow for sampling and compressive strength testing of masonry mortar, including submission of test results to the Engineer; testing frequency and applicable strength requirements to be confirmed by the Engineer; all in accordance with DFK Structural Engineering Specification Clause 5.11.1 and Table 5.3.					
C	Size 100 x 100 x 100mm (4nr per level)	8	nr		
<u>Precast Concrete</u>					
FAIRFACED Prestressed concrete lintels; Description: To Structural Engineers Specification. Standard: To BS EN 845-2 - as per engineers specification					
<i>Lintels reference L1; 215 × 450 dp rc lintel with proprietary outer leaf support bracket – 450mm bearing each end</i>					
D	L1 Lintels	24	m		
<i>Lintels reference L2; 100 × 215 pc lintel, fair face finish, rough side turned upwards, minimum 150mm bearing</i>					
E	L2 Lintels	9	m		
<i>Lintels reference L3; 100 × 65 pc lintel, fair face finish, rough side turned upwards, minimum 150mm bearing</i>					
F	L3 Lintels	9	m		
				To Collection €	

	Description	Qty	Unit	Rate	Amount
	<u>BRICKWORK AND BLOCKWORK</u>				
	Blockwork				
	<u>Fair Faced Blocks. Fine texture paint grade concrete blocks to internal walls. Manufacturer: Roadstone or equivalent. Standard: To BS EN 771-3. Compressive strength 10N/mm². Freeze/ thaw resistance: Frost resistant. Thermal conductivity: I.S. EN 1745 Masonry and masonry products-Methods for determining design thermal values . table A3. Thermal resistance: Tolerance category: D2. Reaction to fire: Class A1 to BS EN 13501-1; all as per Architects and Engineers Drawings and Specification</u>				
	Walls				
A	215mm thick (inner leaf); comprising of 1nr 100mm thick fair faced block to one side & 1nr solid common block to one side; Provide 10mm max full horizontal M4 mortar bed and 25mm wide fully filled vertical M4 mortar between the two separate leaves; Vertical collar joints between the two leaves are to be solidly filled with M4 mortar as the works proceed; (Bed Joint Reinforcement measured elsewhere)	432	m2		
	Labours				
B	On blockwork	1	item		
	<u>Concrete solid common blockwork; 100 mm thick external outer leaf above DPC; solid dense aggregate concrete blocks, 440 × 215 × 100 mm, strength 10 N/mm² as scheduled by the Engineer, complying with I.S. EN 771; laid in M4 mortar with fully filled bed and perpendicular joints, nominally 10 mm thick ; stretcher bond unless otherwise indicated; including cutting and bonding at corners, junctions and openings; blocks to be CE marked and accompanied by a Declaration of Performance; all in accordance with DFK General Notes Drawing 23003/00 Rev. A and Structural Engineering Specification Sections 5.1, 5.2, 5.6, 5.11 and 5.12.</u>				
	Walls				
C	100mm thick	432	m2		
	Labours				
D	On blockwork	1	item		
To Collection €					

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) BRICKWORK AND BLOCKWORK</u> <u>(Cont) Blockwork</u> <u>Autoclaved aerated concrete (AAC) blocks Thermal Blocks; Manufacturer: Roadstone Ltd; Product reference: Roadstone Thermal Liteblock System. Category 1 unit in accordance with EN 771-3. CE marked. Or equivalent; Thickness: as required; Standard: To BS EN 771-4; Junctions: Provide expanded metal at junction of different types of blockwork to ensure no cracking at junctions; Mean compressive strength 13N (minimum); Category: To Structural Engineers Specification; Freeze/ thaw resistance: Deemed to satisfy national requirements when used and rendered in accordance with SR 325; Thermal conductivity (maximum): 1.01 - 1.19 W/mK (?10,dry) to I.S. EN 1745 Annex A; Accessories or special shapes: Type: Coursing blocks; Tolerance category: D1 (+3mm, -5mm); Density: >1900kg/m3; Reaction to fire: to BS EN 13501-1: A1; Execution: CE Marking, NSAI certificate required</u>				
A	Walls 215mm thick <u>Bonding to other work</u> Connecting blockwork to steel beams and stanchions; proprietary continuous wall starter channels intermittently welded to the flange or web of steel members, complete with compatible steel ties and plastic sleeves built into blockwork bed joints; including welding, fixings and making good protective coatings; installed in accordance with the manufacturer's recommendations; all in accordance with DFK Drawing 23003/002 Rev. B, wall starter channel detail and Details B and C, and the Engineer's specification	40	m2		
B	Vertically; to 215mm thick walls <u>Connecting new blockwork to existing walls; proprietary universal wall starter kits to each leaf of new cavity wall, mechanically fixed to existing wall construction; including ties built into new mortar joints, compressible material at abutments and mastic joint to outside face; including drilling, fixings and making good; installed in accordance with the manufacturer's recommendations; all in accordance with DFK Drawing 23003/002 Rev. B, Detail A</u>	104	m		
C	Bonding to other work; new blockwork to existing blockwork Vertically; 100mm thick walls	14	m		
D	Vertically; 215mm thick walls	14	m		
To Collection €					

Description		Qty	Unit	Rate	Amount
(Cont) BRICKWORK AND BLOCKWORK					
(Cont) Blockwork					
<u>Ancillaries to Brickwork/Blockwork</u>					
Forming 150 mm wide cavities, including stainless steel cavity wall ties installed at the engineers designed centres and strictly in accordance with the approved manufacturer's recommendations; including 145 mm thick full-fill polyisocyanurate (PIR) rigid cavity wall insulation, manufactured without CFCs or HCFCs, rebated on all four edges and faced on both sides with low-emissivity composite foil adhesively bonded to the insulation core during manufacture; all board joints and junctions to be closely butted and sealed with proprietary aluminium foil insulation tape or approved equivalent; including cutting, fitting and sealing around openings, corners, junctions, cavity closers, wall ties and service penetrations to maintain continuous insulation and minimise thermal bridging; insulation to achieve the thermal performance specified by the Architect; contractor to submit proposed product, technical data, certification, thermal calculations and installation details for approval; complete installation in accordance with the approved manufacturer's instructions, Architect's drawings and Architect's Specification					
Cavities between new walls - (CONTRACTOR TO INCLUDE FOR CAVITY INSULATION)					
A	150mm wide cavity incl 145mm PIR Cavity Wall Insulation	432	m2		
B	Cavity closers / cavity barriers; proprietary insulated system providing 30-minute fire resistance at heads and jambs of openings and other cavity closure locations indicated on the Architect's details; widths to suit cavities; including all cutting, jointing, ties and fixings necessary to form a continuous barrier; installed in accordance with the manufacturer's recommendations; Contractor to submit proposals for approval; all in accordance with Architect's detail drawings S381_T-300, S381_T-301 and S381_T-302 and specification.				
C	Cavity Closers				
D	To suit 150mm wide cavity	180	m		
				To Collection €	

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) BRICKWORK AND BLOCKWORK</u> <u>(Cont) Blockwork</u> <u>(Cont) Ancillaries to Brickwork/Blockwork</u> (Cont) Cavities between new walls - (CONTRACTOR TO INCLUDE FOR CAVITY INSUALTION)				
A	Cavity closers / cavity barriers; to heads of cavity walls; proprietary insulated system providing 30-minute fire integrity and 30-minute fire insulation, forming a continuous barrier at wall heads; widths to suit cavities shown on the Architect's details; including all cutting, jointing, supports and fixings; installed in accordance with the manufacturer's recommendations; Contractor to submit proposals for approval, including certification of the specified fire performance; all in accordance with Architect's detail drawings S381_T-300, S381_T-301 and S381_T-302 and specification.				
B	Cavity Closers				
C	To suit 150mm wide cavity	158	m		
	<u>Sleeved mineral wool cavity barrier; to junctions of new and existing cavity walls; to suit 150 mm wide cavity; providing minimum 60-minute fire integrity , forming a continuous barrier at junctions; including cutting, jointing, supports and fixings; installed in accordance with the manufacturer's recommendations; Contractor to submit proposals for approval, including certification of the specified fire performance; all in accordance with the Architect's details and Specification</u>				
D	Fire Barriers; 60min FR				
E	To suit 150mm cavity; horizontal	14	m		
	<u>Damp proof courses</u> Damp proof course; Ruberroid hyload pitch polymer; 1200 gauge; to comply with B.S. 743 or B.S. 6515; lapped min of 100mm at all joints; sealed with and including poly-butyl rubber tape; all in accordance with Architects Specification <u>Damp proof course</u>				
F	girth 465mm along perimeter base; as per Architects specification	131	m		
To Collection €					

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) BRICKWORK AND BLOCKWORK</u> <u>(Cont) Blockwork</u> <u>(Cont) Damp proof courses</u> Site-formed flexible sheet cavity trays; proprietary pitch polymer damp-proof course material to suit 150 mm wide cavity; including upstands, stop ends, sealed laps and junctions; installed in accordance with the manufacturer's recommendations; Contractor to submit proposals for approval; all in accordance with the Architect's drawings and specification.				
A	Cavity trays; stepped; above openings <u>Joint Reinforcement</u> Joint reinforcement to internal blockwork walls; stainless steel welded ladder-type bed-joint reinforcement, 175 mm wide with 3 mm equivalent diameter longitudinal wires, to 215 mm blockwork; installed every second course at nominal 450 mm vertical centres where indicated on the Engineer's drawings; including cutting, corners, junctions and laps, with no allowance for laps in the measured quantity; Contractor to submit proposals for approval; all in accordance with DFK Drawing 23003/003 Rev. B	59	m		
B	To suit 215mm thick internal leaf blockwork <u>Design Joints</u> Expansion joints to blockwork; 18 mm thick closed-cell polyethylene compressible board with mastic pointing to exposed face; including proprietary stop beads to external render where applicable; installed in accordance with the manufacturer's recommendations; all in accordance with the Architect's and Engineer's drawings and specification	990	m		
C	100mm thick walls; generally <u>Sundries</u> Perpend Joint Plastics Weep holes Weepholes; 10 mm wide × 75 mm high through vertical mortar joints of external blockwork, at centres not exceeding 900 mm; at ground level & above lintels and other cavity bridging locations as detailed; all in accordance with Architect's Drawing S381_T-300 and DFK Specification Clause 5.15.3	112	m		
D	Generally	224	nr		
To Collection €					

	Description	Qty	Unit	Rate	Amount
	WOODWORK				
	Timber Framed Walls				
	<u>Composite Item</u>				
	Timber-framed external wall infill; fixed between the top and bottom chords of T1 truss, with the complete composite wall system fitted between the 80 mm SHS box sections; 140 × 38 mm timber studs at 600 mm centres with full-fill insulation between studs; 9 mm OSB sheathing with breather membrane; 38 × 38 mm vertical and horizontal pressure-impregnated treated timber battens; complete proprietary render system to the external side comprising render carrier board, joint treatment, reinforced base coat, mesh, primers and smooth finishing coat, including external decoration where required; including all connections to structural steelwork, supports, fixings, beads, stops, trims, sealants and cutting and fitting; Contractor to submit proposals for approval; all in accordance with Architect's Drawing S381_T-300, Detail 6, and the Engineer's structural details.				
A	Timber frame wall (Complete) fixed between vertical & horizontal beams; overall height 1500mm	37	m2		
	Ironmongery, Accessories and Sundries				
	<u>Plastics sheets Air-tightness tape around external windows & doors. Manufacturer: Siga or equivalent. Product reference: Siga-Fentrim 20 or equivalent. Material: Special film/fleece combination (that can be plastered over) made of PO with SIGA high performance adhesive. Purpose: To achieve a building air tightness of 3m3 @50pa. Third party certification: British Board of Agreement (BBA) Certificate. Tensile strength (minimum): 220 N/ 50 mm lengthwise, 140 N/ 50 mm crosswise; all as per Architects Drawings and Specification</u>				
	Sundries; Seals				
B	Width not exceeding 225mm, horizontally & vertically	324	m		
To Collection €					

Description	Qty	Unit	Rate	Amount
<u>STRUCTURAL STEEL WORK</u>				
Lintels				
<u>Proprietary steel lintel system to DFK Lintel L4; Keystone SK150 or equal approved, to suit 350 mm overall cavity-wall construction; including specialist design, supply, installation, bearings, connections and all necessary fixings; supporting posts measured elsewhere; supplier to submit design calculations and workshop drawings for the Project Engineer's approval prior to manufacture, and provide appropriate BCAR ancillary design certification and documentation for the Safety File; all in accordance with DFK's drawings and Structural Engineering Specification.</u>				
Galvanised; insulated; 350mm cavity wall				
A Catnic Designed Lintels	32	m		
To Collection €				

Description	Qty	Unit	Rate	Amount
COLLECTION				
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Page No. 2/7				
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(21) EXTERNAL WALLS Carried to Summary				

Description		Qty	Unit	Rate	Amount
<u>(22) INTERNAL WALLS</u>					
<u>SECTIONAL COMPLETION</u>					
A	Contractor to note that all works in this project are being completed in Sections as per Proposed Ground Floor Plan drawing T100/C; Contractor to take cognisance when pricing the items included in this element as all measurement / items included herein is for the complete Works; no claims on the grounds of want of knowledge will be entertained whatsoever	1	item		
B	Contractor must include either in this item or within their rates within this element for the Works to be completed in Sections	1	item		
<u>CONCRETE WORK</u>					
Precast Concrete					
<u>FAIRFACED Prestressed concrete lintels; Description: To Structural Engineers Specification. Standard: To BS EN 845-2 - as per engineers specification</u>					
Lintels reference L1; 215 × 450 dp rc lintel with proprietary outer leaf support bracket – 450mm bearing each end					
C	L1 Lintels	3	m		
Lintels reference L2; 100 × 215 pc lintel, fair face finish, rough side turned upwards, minimum 150mm bearing					
D	L2 Lintels	22	m		
Lintels reference L3; 100 × 65 pc lintel, fair face finish, rough side turned upwards, minimum 150mm bearing					
E	L3 Lintels	10	m		
				To Collection €	

	Description	Qty	Unit	Rate	Amount
	<u>BRICKWORK AND BLOCKWORK</u>				
	Blockwork				
	<u>Aggregate concrete blocks Fair Faced Blocks; Description: Fine texture paint grade concrete blocks to internal walls. Manufacturer: Roadstone or equivalent. Standard: To BS EN 771-3. Compressive strength 10N/mm2. Freeze/ thaw resistance: Frost resistant. Thermal conductivity: I.S. EN 1745 Masonry and masonry products-Methods for determining design thermal values . table A3. Thermal resistance: Tolerance category: D2. Reaction to fire: Class A1 to BS EN 13501-1; all as per Architects and Engineers Drawings and Specification</u>				
	Walls				
A	100mm thick; collar bonding	176	m2		
B	215mm thick; collar bonding; comprising of 1nr 100mm thick fair faced block to each side; Provide 10mm max full horizontal M4 mortar bed and 25mm wide fully filled vertical M4 mortar between the two separate leaves; Vertical collar joints between the two leaves are to be solidly filled with M4 mortar as the works proceed; (Bed Joint Reinforcement measured elsewhere)	322	m2		
	Labours				
C	On blockwork	1	item		
	<u>Connecting blockwork to steel beams and stanchions; proprietary continuous wall starter channels intermittently welded to the flange or web of steel members, complete with compatible steel ties and plastic sleeves built into blockwork bed joints; including welding, fixings and making good protective coatings; installed in accordance with the manufacturer's recommendations; all in accordance with DFK Drawing 23003/002 Rev. B, wall starter channel detail and Details B and C, and the Engineer's specification</u>				
D	Vertically; to 215mm thick walls	14	m		
To Collection €					

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) BRICKWORK AND BLOCKWORK</u>				
	<u>(Cont) Blockwork</u>				
	<u>Connecting new blockwork to existing walls; proprietary universal wall starter kits to each leaf of new cavity wall, mechanically fixed to existing wall construction; including ties built into new mortar joints, compressible material at abutments and mastic joint to outside face; including drilling, fixings and making good; installed in accordance with the manufacturer's recommendations; all in accordance with DFK Drawing 23003/002 Rev. B, Detail A</u>				
	Bonding to other work; new blockwork to existing blockwork				
A	Vertically; 215mm thick walls	6	m		
	<u>Ancillaries to Brickwork/Blockwork</u>				
	<u>Joint reinforcement for blockwork walls; blockwork bed joint reinforcement; Bed joint reinforcement for collar-jointed walls shall have 20mm x 3mm ties at 50mm centres be certified to comply with IS EN 845-1 and IS EN 845-3; As per Engineer's Specification 6.23</u>				
	Joint Reinforcement				
B	To suit 100mm thick collar jointed internal blockwork	388	m		
C	To suit 215mm thick collar jointed internal blockwork	709	m		
	<u>Movement joints to internal blockwork walls; widths and locations to DFK's requirements; including compressible filler, backing rod and debonding ties where detailed; seal exposed faces with white Gyproc Sealant by British Gypsum or equal approved acrylic construction joint sealant to BS EN ISO 11600, suitable for the anticipated movement; apply continuously to clean, dry, dust-free surfaces; fire resistance to match the wall construction, supported by relevant third-party certification and BS 476-20 test evidence as specified; Contractor to submit proposals for approval; all in accordance with DFK's drawings, Architect's Specification and project fire drawings.</u>				
	Designed Joints				
D	100mm thick walls; generally	34	m		
E	215mm thick walls; generally	55	m		
To Collection €					

Description		Qty	Unit	Rate	Amount
(Cont) BRICKWORK AND BLOCKWORK					
(Cont) Blockwork					
<u>Sundries</u>					
Fireproofing					
A	Fire stopping; filling gaps wider than 25 mm around pipework penetrations through fire-resisting walls and floors with Firepro intumescent sealant or equal and approved intumescent fire-stopping system; including backing materials, collars or wraps where required to maintain the specified fire resistance; system suitable for the actual gap dimensions and installed in accordance with the manufacturer's tested details, Architect's drawings and project fire drawings.	1	item		
B	Fire stopping; cable tray penetrations through fire-resisting walls and floors to be sealed with Firepro Multi Cable Firestop or equal and approved fire-stopping system; including all backing materials, supports and seals necessary to maintain the specified fire resistance; installed in accordance with the manufacturer's tested details, Architect's drawings and project fire drawings	1	item		
C	Fire and acoustic stopping; filling gaps between fire door frames and fire-rated walls, and between door frames and walls to acoustically sensitive rooms, with Firepro Fire and Acoustic Foam or equal and approved system; including backing materials and seals necessary to maintain the specified fire and acoustic performance; installed in accordance with the tested doorset installation details, manufacturer's recommendations, Architect's drawings and project fire drawings	1	item		
D	Fire stopping; sealing gaps in floors around vertical service penetrations with proprietary load-bearing, non-shrink fire-stopping compound providing minimum 60-minute fire integrity and insulation; smooth trowelled finish and airtight seal; including necessary supports, shuttering and compatible seals; Contractor to submit proposals for approval; installed in accordance with the manufacturer's tested details, Architect's drawings and project fire drawings	1	item		
E	Fire stopping; sealing high-level service penetrations through fire-resisting walls with two layers of proprietary high-density mineral-fibre fire-stop board coated with fire-rated acrylic; including compatible intumescent sealant to joints, perimeters and around services, supports and finishing coatings; complete tested system to maintain the specified fire resistance; Contractor to submit proposals for approval; installed in accordance with the manufacturer's tested details, Architect's drawings and project fire drawings.	1	item		
				To Collection €	

	Description	Qty	Unit	Rate	Amount
	<u>FLOOR, WALL & CEILING FINISHES</u>				
	Board finish				
	<u>Plasterboard lining to timber-framed walls and partitions; 12.5 mm thick tapered-edge gypsum wallboard or equal approved. Contractor to submit proposals for approval; screw-fixed to vertical timber members; including cutting, fitting, edge trims, joint filling and scrim taping, and complete skim-coat plaster finish to provide a smooth surface ready for decoration; installed in accordance with the manufacturer's recommendations and the Architect's drawings and specification.</u>				
	Walls				
A	Exceeding 300mm wide; surrounds of rooflight opening	12	m2		
	<i>Extra over for</i>				
B	Full fill insulation PIR to surrounding rooflight upstand	12	m2		
C	Airtightness membrane system; Isover Vario or equal approved; including all laps, jointing tapes, perimeter seals, adhesives, primers, sealants, proprietary collars and accessories necessary to form a complete continuous airtight layer; allow for cutting, fitting and sealing around service penetrations, structural members, openings and junctions with adjoining construction, including sealing fixing punctures and making good damaged areas; Contractor to submit complete system proposals for approval	12	m2		
	<u>Proprietary insulated plasterboard lining to timber-framed walls and partitions; 37.5 mm overall thickness, comprising 25 mm insulation factory-bonded to 12.5 mm tapered-edge gypsum wallboard or equal approved; Contractor to submit proposals for approval; mechanically fixed to vertical timber members; including cutting, fitting, edge trims, joint filling, scrim taping and complete skim-coat plaster finish, leaving a smooth surface ready for decoration; installed in accordance with the manufacturer's recommendations and the Architect's drawings and specification.</u>				
	Walls				
D	Exceeding 300mm wide; (truss T1)	64	m2		
	<i>Extra over for</i>				
E	38 × 38 mm vertical and horizontal pressure-impregnated treated timber battens	64	m2		
To Collection €					

	Description	Qty	Unit	Rate	Amount
	(Cont) FLOOR, WALL & CEILING FINISHES				
	(Cont) Board finish				
	<u>(Cont) Proprietary insulated plasterboard lining to timber-framed walls and partitions; 37.5 mm overall thickness, comprising 25 mm insulation factory-bonded to 12.5 mm tapered-edge gypsum wallboard or equal...</u>				
	<u>(Cont) Walls</u>				
A	Airtightness membrane system; Isover Vario or equal approved; including all laps, jointing tapes, perimeter seals, adhesives, primers, sealants, proprietary collars and accessories necessary to form a complete continuous airtight layer; allow for cutting, fitting and sealing around service penetrations, structural members, openings and junctions with adjoining construction, including sealing fixing punctures and making good damaged areas; Contractor to submit complete system proposals for approval	64	m2		
	<u>Proprietary insulated plasterboard lining to internal reveals and heads of external window openings; 32.5 mm overall thickness, insulation factory-bonded to gypsum wallboard or equal approved; Contractor to submit proposals for approval; securely fixed to suitable backgrounds; including cutting, fitting, corner beads, edge trims, sealed junctions with window frames, joint filling, scrim taping and complete skim-coat plaster finish, leaving a smooth surface ready for decoration; installed in accordance with the manufacturer's recommendations and the Architect's drawings and specification.</u>				
	Reveals				
B	Not Exceeding 300mm; heads and window jambs	180	m		
	<u>Plasterboard encasement to high-level steelwork around the perimeter of the central activity space; including treated timber grounds securely fixed to steelwork, additional framing and supports as required; standard 12.5 mm gypsum plasterboard or similar approved, screw-fixed to grounds; including cutting, fitting, corner beads, edge trims, joint filling, scrim taping and complete skim-coat finish ready for decoration; Contractor to submit proposals for approval; all in accordance with the Architect's drawings and details.</u>				
C	Not Exceeding 300mm	36	m		
To Collection €					

[illegible]

(22) INTERNAL WALLS - EXISTING BUILDING

	Description	Qty	Unit	Rate	Amount
	<u>(22) INTERNAL WALLS - EXISTING BUILDING</u>				
	<u>SECTIONAL COMPLETION</u>				
A	Contractor to note that all works in this project are being completed in Sections as per Proposed Ground Floor Plan drawing T100/C; Contractor to take cognisance when pricing the items included in this element as all measurement / items included herein is for the complete Works; no claims on the grounds of want of knowledge will be entertained whatsoever	1	item		
B	Contractor must include either in this item or within their rates within this element for the Works to be completed in Sections	1	item		
	<u>CONCRETE WORK</u>				
	Precast Concrete				
	<u>FAIRFACED Prestressed concrete lintels; Description: To Structural Engineers Specification. Standard: To BS EN 845-2 - as per engineers specification</u>				
	Lintels reference L3; 100 × 65 pc lintel, fair face finish, rough side turned upwards, minimum 150mm bearing				
C	L3 Lintels	3	m		
	<u>BRICKWORK AND BLOCKWORK</u>				
	Blockwork				
	<u>Aggregate concrete blocks Fair Faced Blocks; Description: Fine texture paint grade concrete blocks to internal walls. Manufacturer: Roadstone or equivalent. Standard: To BS EN 771-3. Compressive strength 7.5N/mm2. Freeze/ thaw resistance: Frost resistant. Thermal conductivity: I.S. EN 1745 Masonry and masonry products-Methods for determining design thermal values . table A3. Thermal resistance: Tolerance category: D2. Reaction to fire: Class A1 to BS EN 13501-1; all as per Architects and Engineers Drawings and Specification</u>				
	Walls				
D	100mm thick; collar bonding	49	m2		
To Collection €					

(22) INTERNAL WALLS - EXISTING BUILDING

	Description	Qty	Unit	Rate	Amount
	(Cont) BRICKWORK AND BLOCKWORK				
	(Cont) Blockwork				
	<u>(Cont) Aggregate concrete blocks Fair Faced Blocks;</u> <u>Description: Fine texture paint grade concrete blocks to</u> <u>internal walls. Manufacturer: Roadstone or equivalent.</u> <u>Standard: To BS EN 771-3. Compressive strength...</u> <u>(Cont) Walls</u>				
A	215mm thick; collar bonding; comprising of 1nr 100mm thick fair faced block to each side; Provide 10mm max full horizontal M4 mortar bed and 25mm wide fully filled vertical M4 mortar between the two separate leaves; Vertical collar joints between the two leaves are to be solidly filled with M4 mortar as the works proceed; (Bed Joint Reinforcement measured elsewhere)	12	m2		
B	350 mm thick infill concrete blockwork to existing wall; fair-faced finish to both sides, with block sizes, coursing and joint profiles to match adjoining existing work; including cutting, fitting, fully filled M4 mortar bed and perp joints, and ties or connections to existing construction; block arrangement and bonding through the wall thickness subject to DFK's approval; bed joint reinforcement measured elsewhere; all in accordance with the Architect's and Engineer's drawings and specification	12	m2		
	Labours				
C	On blockwork	1	item		
	<u>Connecting new blockwork to existing walls; proprietary universal wall starter kits to each leaf of new cavity wall, mechanically fixed to existing wall construction; including ties built into new mortar joints, compressible material at abutments and mastic joint to outside face; including drilling, fixings and making good; installed in accordance with the manufacturer's recommendations; all in accordance with DFK Drawing 23003/002 Rev. B, Detail A</u>				
	Bonding to other work; new blockwork to existing blockwork				
D	Vertically; 100mm thick walls	6	m		
E	Vertically; 215mm thick walls	8	m		
F	Vertically; 350mm thick walls	6	m		
	<u>Ancillaries to Brickwork/Blockwork</u>				
	Joint reinforcement for blockwork walls; blockwork bed joint reinforcement; Bed joint reinforcement for collar-jointed walls shall have 20mm x 3mm ties at 50mm centres be certified to comply with IS EN 845-1 and IS EN 845-3; As per Engineer's Specification 6.23				
To Collection €					

(22) INTERNAL WALLS - EXISTING BUILDING

Description		Qty	Unit	Rate	Amount
(Cont) BRICKWORK AND BLOCKWORK					
(Cont) Blockwork					
<u>(Cont) Ancillaries to Brickwork/Blockwork</u>					
Joint Reinforcement					
A	To suit 100mm thick collar jointed internal blockwork	108	m		
B	To suit 215mm thick collar jointed internal blockwork	27	m		
C	To suit 350mm thick collar jointed internal blockwork	27	m		
<u>Sundries</u>					
Fireproofing					
D	Fire stopping; filling gaps wider than 25 mm around pipework penetrations through fire-resisting walls and floors with Firepro intumescent sealant or equal and approved intumescent fire-stopping system; including backing materials, collars or wraps where required to maintain the specified fire resistance; system suitable for the actual gap dimensions and installed in accordance with the manufacturer's tested details, Architect's drawings and project fire drawings.	1	item		
E	Fire stopping; cable tray penetrations through fire-resisting walls and floors to be sealed with Firepro Multi Cable Firestop or equal and approved fire-stopping system; including all backing materials, supports and seals necessary to maintain the specified fire resistance; installed in accordance with the manufacturer's tested details, Architect's drawings and project fire drawings	1	item		
F	Fire and acoustic stopping; filling gaps between fire door frames and fire-rated walls, and between door frames and walls to acoustically sensitive rooms, with Firepro Fire and Acoustic Foam or equal and approved system; including backing materials and seals necessary to maintain the specified fire and acoustic performance; installed in accordance with the tested doorset installation details, manufacturer's recommendations, Architect's drawings and project fire drawings	1	item		
G	Fire stopping; sealing gaps in floors around vertical service penetrations with proprietary load-bearing, non-shrink fire-stopping compound providing minimum 60-minute fire integrity and insulation; smooth trowelled finish and airtight seal; including necessary supports, shuttering and compatible seals; Contractor to submit proposals for approval; installed in accordance with the manufacturer's tested details, Architect's drawings and project fire drawings	1	item		
				To Collection €	

Description	Qty	Unit	Rate	Amount
(Cont) BRICKWORK AND BLOCKWORK (Cont) Blockwork <u>(Cont) Sundries</u> (Cont) Fireproofing				
A Fire stopping; sealing high-level service penetrations through fire-resisting walls with two layers of proprietary high-density mineral-fibre fire-stop board coated with fire-rated acrylic; including compatible intumescent sealant to joints, perimeters and around services, supports and finishing coatings; complete tested system to maintain the specified fire resistance; Contractor to submit proposals for approval; installed in accordance with the manufacturer's tested details, Architect's drawings and project fire drawings.	1	item		
To Collection €				

Description	Qty	Unit	Rate	Amount
COLLECTION Page No. 4/1 Page No. 4/2 Page No. 4/3 Page No. 4/4 (22) INTERNAL WALLS - EXISTING BUILDING Carried to Summary				

	Description	Qty	Unit	Rate	Amount
	<u>(25) AIR TIGHTNESS</u>				
	<u>SECTIONAL COMPLETION</u>				
A	Contractor to note that all works in this project are being completed in Sections as per Proposed Ground Floor Plan drawing T100/C; Contractor to take cognisance when pricing the items included in this element as all measurement / items included herein is for the complete Works; no claims on the grounds of want of knowledge will be entertained whatsoever	1	item		
B	Contractor must include either in this item or within their rates within this element for the Works to be completed in Sections	1	item		
	<u>AIR TIGHTNESS</u>				
C	1. Notwithstanding that this Bill of Quantities is measured in accordance with the Agreed Rules of Measurement, the tenderer should note the following works measured are not in accordance with ARM. The Air Tightness specialized design packages are priced in accordance with the Works Requirements and the relevant co-ordination is to include for all works there in contained.		note		
D	2. Ensuring the airtight quality of the buildings is a key element of the low energy strategy applied in the design of this building. Care has been taken by the designers in specifying the materials and systems and in providing construction details that are capable of achieving the specified level of air permeability.		note		
E	3. The contractor shall be responsible for ensuring that the building complies with the specified level of air permeability.		note		
F	4. When tested the building shall achieve an air permeability of 3m3/hr/m2 @50 Pa building pressure or less.		note		
G	5. Refer to Section A33 of Architects Specification for this Section		note		
	The contractor shall include the cost of carrying out the following works if not included elsewhere in this Pricing Document.				
	The main elements of the building construction providing protection against air infiltration (the seal boundary) are typically:				
H	1. U/s of WPB ply to flat roof	1	item		
I	2. U/s of composite deck roof	1	item		
To Collection €					

	Description	Qty	Unit	Rate	Amount
	(Cont) AIR TIGHTNESS (Cont) The main elements of the building construction providing protection against air infiltration (the seal boundary) are typically:				
A	3. Taped Insulation to external face of blockwork/concrete walls	1	item		
B	4. Fibre cement cladding system	1	item		
C	5. Tapes/seals at the glazing system	1	item		
D	6. Radon membrane	1	item		
E	7. Ventilation dampers	1	item		
F	8. Seals/grommits to all penetrations through the external wall/floor roof/envelope.	1	item		
G	9. Membranes within cavities and seals to steel structures.	1	item		
H	The sealing of the construction junctions between these elements is a critical aspect of the airtight design. It is essential that the air seal boundary is continuous and is not breached in any location. All service penetrations which cross the line of the air seal boundary also must be comprehensively sealed to maintain continuity of the airtight barrier, with proprietary products as per the general specification.	1	item		
	Quality Management				
I	Effective and thorough quality management is essential if the specified level of air permeability is to be achieved.	1	item		
J	If the integrity of the air seal boundary is broken then it must be repaired. Particular care must be taken when constructing joints and junctions in the building envelope to ensure continuity of the air seal boundary. Repairs using unsuitable tape, Rockwool and expanding foam are not acceptable.	1	item		
K	In addition to the continuity of the air seal boundary, care must be exercised at all envelope penetrations for windows, doors, rooflights, services, cables etc applying appropriate sealing and draught barriers and sealing junctions between the air seal boundary and these elements.	1	item		
L	For the low air permeability strategy to be successful it is vital that all site workers are aware of the importance of maintaining the integrity of the air seal boundary. All subcontractors are to be briefed on the strategy and encouraged to report damage of the air seal boundary on a "no fault" basis.	1	item		
				To Collection €	

Description		Qty	Unit	Rate	Amount
(Cont) AIR TIGHTNESS					
(Cont) Quality Management					
<u>The main contractor shall take overall responsibility for co-ordination of and maintaining continuity of the air seal boundary. One member of the contractor's site team is to be nominated as the 'air leakage officer', whose role shall include the following:</u>					
A	Develop the project air leakage prevention plan	1	item		
B	Identify all significant potential sources of air leakage and the methods to be used to minimize leakage	1	item		
C	Ensure that all tapes and sealants used to minimize air leakage are fit for purpose and offer a long term protection to air leakage over the buildings lifetime	1	item		
D	Ensure that all equipment and components procured offer the required standard of air leakage	1	item		
E	Ensure that all sub contractors understand the importance of minimizing air leakage in this building and take appropriate measures to minimize it	1	item		
F	Undertake regular inspections of the building as it is constructed to ensure that air leakage paths are minimized	1	item		
G	Ensure that no elements of the construction are concealed without their air leakage integrity being considered and inspected	1	item		
H	Program the air test and prepare the building for its test	1	item		
I	Supervise the test procedure, including ensuring that all required temporary seals are applied to allow the test to take place	1	item		
J	Identify sources of leakage during the test procedure and their potential resolution in the event that the target air tightness is not achieved	1	item		
K	The main contractor shall ensure coordination of work between different work packages/ specialist sub-contractors in defining responsibility for sealing at junctions between different construction elements.	1	item		
<u>Areas critical in maintaining the air seal boundary include (but are not limited to):</u>					
L	Monitoring and maintaining levels of construction quality	1	item		
M	Roof/ wall junctions	1	item		
				To Collection €	

Description		Qty	Unit	Rate	Amount
(Cont) AIR TIGHTNESS					
(Cont) Quality Management					
<u>(Cont) Areas critical in maintaining the air seal boundary include (but are not limited to):</u>					
A	Ground floor/ wall junction	1	item		
B	Changes in roof section	1	item		
C	Windows, doors and rooflights	1	item		
D	Service penetrations	1	item		
E	All materials systems junctions	1	item		
<u>Airtightness Specialist</u>					
F	The contractor shall employ a recognized specialist approved by the Employer's Representative to carry out an airtightness test at a point in the construction programme when all elements of the external envelope/ air seal boundary are complete including all services penetrations.	1	item		
G	The specialist must have had previous experience in the testing of buildings to IS EN 13829 2001 that have achieved the target set out below or improved on it, in at least one building of a similar size and complexity.	1	item		
H	The specialist shall provide a rig capable of testing the entire building as a single element. If the air test results show that the rig was unable to maintain a pressure of 50Pa at the required test result, the test will be deemed non-compliant	1	item		
<u>The air test shall be carried out as detailed within the following standards:</u>					
I	IS EN 13829:2001 "Determination of air permeability in buildings - fan pressurization method"	1	item		
J	CIBSE TM23:2000 "Testing buildings for air leakage"	1	item		
K	ATTMA TS1 July 2007 "Measuring air permeability of building envelopes"	1	item		
L	All instruments and equipment used must comply with the accuracy and tolerance requirements set down by these standards.	1	item		
M	The air test specialist must be accredited through INAB or UKAS to carry out air tightness testing of buildings in accordance with ISO 17025 - proof of this accreditation must be issued by the contractor to the ER and approved in writing, prior to appointment.	1	item		
				To Collection €	

Description		Qty	Unit	Rate	Amount
(Cont) AIR TIGHTNESS					
(Cont) Quality Management					
<u>(Cont) The air test shall be carried out as detailed within the following standards:</u>					
A	The contractor shall also include for a minimum of 2 no site inspection from the accredited testing specialists during the course of construction.	1	item		
Briefing Meeting					
B	Upon approval and appointment of the air testing specialist by the contractor, and at an appropriate time in the building programme, the specialist shall hold a briefing meeting with the contractors staff and the design team. Prior to this meeting, the contractor shall identify any points in the building that have a high risk of air leakage and shall detail the proposed sealing method with the air test specialist.	1	item		
C	The air test specialist shall also use this opportunity to detail the testing procedure and work required in preparation for the test.	1	item		
Preliminary Smoke Test					
D	Once the glazing is installed, the contractor shall employ the air test specialist to carry out a smoke test on 3 no. typical rooms in the building, of differing sizes, scales and complexities, in order to identify any potential weaknesses in the installation that can be rectified before the full test is carried out.	1	item		
E	Note that an amount of temporary sealing will be required to prevent smoke escaping internally during the testing of this room.	1	item		
F	The contractor shall contact the local fire department in advance of the test and inform them that the smoke test may take place in order to prevent false alarms.	1	item		
Test Preparation					
<u>The contractor shall include all attendances associated with the airtightness testing including building preparation which shall typically include:</u>					
G	(a) all external windows, trickle vents, smoke vents and doors must be closed (but not sealed)	1	item		
H	(b) all internal doors must be wedged open	1	item		
I	(c) all drainage traps must be filled with water. If traps have not been fitted then drainage pipes must be sealed with tape	1	item		
				To Collection €	

Description		Qty	Unit	Rate	Amount
(Cont) AIR TIGHTNESS					
(Cont) Test Preparation					
<u>(Cont) The contractor shall include all attendances associated with the airtightness testing including building preparation which shall typically include:</u>					
A	(d) all mechanical ventilation systems must be shut down and intake/ exhaust louvers sealed with tape/ polythene sheeting / compriband. This is most effectively achieved by sealing the intake and exhaust louvers for each fan or system	1	item		
B	(e) any combustion appliances within the airtight building envelope should be turned off and their flues sealed	1	item		
C	(f) the ground floor internal and external area within 5m of the fan equipment/ doorway must be clean and clear of all loose material	1	item		
D	(g) the contractor must ensure that no external doors/ windows/ trickle vents are opened for the duration of the test	1	item		
E	(h) some temporary minor carpentry works may be required to the doorway in which the fan equipment is mounted	1	item		
F	(j) notices must be posted at all entry and exit points to the building; "AIRTIGHTNESS TEST IN PROGRESS DO NOT OPEN".	1	item		
G	(k) remove suspended floor and ceiling tiles (where applicable) around the perimeter of the building	1	item		
H	(l) contractor to advise the employers representative of the proposed test date one month prior to the test date, weekend days may not be acceptable	1	item		
I	(m) Air test may only be carried out during appropriate weather conditions	1	item		
J	(n) contractor to obtain a list of test condition requirements from the air leakage test specialist four weeks prior to carrying out the air test	1	item		
K	(o) The building shall be brought up to normal working temperature 6 hours before the test is due to take place and maintained at the working temperature during the air and thermo graph tests	1	item		
L	Note that no additional taping or sealing of any building component must be undertaken without prior agreement from the client's representative.	1	item		
				To Collection €	

Description		Qty	Unit	Rate	Amount
(Cont) AIR TIGHTNESS					
(Cont) Test Preparation					
<u>(Cont) The contractor shall include all attendances associated with the airtightness testing including building preparation which shall typically include:</u>					
A	No less than three weeks before the test is due to commence, the contractor shall measure the surface area that is proposed for use in the test and send the calculation to the clients representative for agreement.	1	item		
The Test					
B	The building shall achieve an air leakage level of 3m3/h/m2 at a test pressure of 50Pa, or less. (Where the area used is the true internal exposed area of the walls, roof, window, and ground floor surfaces).	1	item		
<u>The air test shall be carried out as detailed within the following standards:</u>					
C	IS EN 13829:2001 "Determination of air permeability in buildings - fan pressurization method"	1	item		
D	CIBSE TM23:2000 "Testing buildings for air leakage"	1	item		
E	ATTMA TS1 July 2007 "Measuring air permeability of building envelopes"	1	item		
F	All instruments and equipment used must comply with the accuracy and tolerance requirements set down by these standards.	1	item		
G	The test must be witnessed by the Employers Representative. The contractor shall give sufficient notice to enable this to happen.	1	item		
H	The air testing specialist must produce a full detailed report of the air test on completion, identifying the area used for the test, the result achieved, and confirmation of any deviations from the standard test procedure	1	item		
I	In the event the test is failed the contractor shall carry out a full building smoke test to identify sources of leakage. The smoke test shall be carried out by filling the building with a smoke type that is harmless to the building and its systems and leave no residues within the building. During this test the contractor shall make a detailed list of all leakage points.	1	item		
J	The contractor shall promptly carry out all necessary remedial works and, cover all costs of further air and smoke tests required to prove compliance with the test standard.	1	item		
				To Collection €	

Description	Qty	Unit	Rate	Amount
(Cont) AIR TIGHTNESS				
(Cont) The Test				
<u>(Cont) The air test shall be carried out as detailed within the following standards:</u>				
The contractor shall remove all building elements required to correctly seal the building and re-instate them to allow the further testing of the building until compliance is achieved.	1	item		
Thermo graphic Survey				
The contractor shall employ a recognized specialist to carry out a Thermo graphic survey of the completed building to prove continuity of insulation within all parts of the building fabric.	1	item		
The survey shall be conducted in accordance with the requirements and recommendations of TN 9/2002 'Thermal Imaging of Buildings'.	1	item		
The survey shall be carried out by a Level III certified thermographer.	1	item		
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 Thermo graphic survey of the relevant areas is to be carried out to complete the demonstration of compliance with the specification.	1	item		
Any opening up or remedial works required are to be carried out at the contractors' expense until the specified performance is achieved.	1	item		
To Collection €				

Description	Qty	Unit	Rate	Amount
COLLECTION				
Page No. 5/1				
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Page No. 5/4				
Page No. 5/5				
Page No. 5/6				
Page No. 5/7				
Page No. 5/8				
(25) AIR TIGHTNESS Carried to Summary				

Description	Qty	Unit	Rate	Amount
<u>(27) ROOF</u>				
<u>SECTIONAL COMPLETION</u>				
Contractor to note that all works in this project are being completed in Sections as per Proposed Ground Floor Plan drawing T100/C; Contractor to take cognisance when pricing the items included in this element as all measurement / items included herein is for the complete Works; no claims on the grounds of want of knowledge will be entertained whatsoever	1	item		
Contractor must include either in this item or within their rates within this element for the Works to be completed in Sections	1	item		
<u>NOTES</u>				
1. When pricing the following items the Contractor's attention is drawn to the location of the site. The Contractor should also visit and check the site. No claims on the grounds of want of knowledge in respect of the above will be entertained whatsoever.		note		
2. Please refer to Consulting Engineers and Architect's Specification and Drawings		note		
3. 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 of compliance. Notwithstanding this, the appropriate foregoing documentation and samples are to be provided to the architect prior to being incorporated into the construction		note		
To Collection €				

	Description	Qty	Unit	Rate	Amount
	<u>Metal Work</u>				
	Roof Purlins				
	Proprietary cold-rolled steel roof purlins; Kingspan or equal approved, reference M205065150 at 1,200 mm centres as specified by DFK; designed to I.S. EN 1993, steel grade and galvanised coating to the Engineer's requirements and approved manufacturer's specification; including cleats, anti-sag members, restraints, bridging, brackets and all necessary connections and fixings; Contractor to submit technical details and design calculations for the Engineer's approval; installed in accordance with the manufacturer's recommendations and DFK's drawings 23003/001B and 23003/002B and Structural Engineering Specification				
A	Purlins fixed to steel structure; reference M205065150 at 1,200 mm centre	264	m		
	<u>WOODWORK</u>				
	WOODWORK: Structural and First Fixings - High Level Flat Roof (Central Activity Space)				
	<u>CARCASSING</u>				
	Structural softwood timber to flat roofs; sawn, strength class C24, clearly marked and fully preservative-treated; 47 x 225 mm joists at 400 mm centres; including cutting, fitting and working joist ends into the web recesses between steel beam flanges, with necessary connections and fixings; all in accordance with DFK's drawings 23003/001B and 23003/003B and Structural Engineering Specification				
	<i>High Level Flat Roof (Central Activity Space)</i>				
	Roof Joists				
B	Roof Joists; 47 x 225mm joists laid horizontal at 400mm c/c - joists	194	m		
C	Joist ends built into blockwork walls; including forming pockets, building in and making good around joists; preservative-treated timber bridging pieces tightly wedged between joists and secured to wall with M12 express fixings; all in accordance with the Engineer's drawings and details	19	m		
D	Timber infill to steel beams at joist connections; preservative-treated timber pieces fitted tightly between flanges on each side of beam web and bolted together through web with M12 bolts at 400 mm centres; including drilling, bolts, nuts, washers, cutting, fitting and securing adjoining joist ends; all in accordance with DFK's Drawing 23003/003B, Detail 02A	45	m		
To Collection €					

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) WOODWORK</u> (Cont) WOODWORK: Structural and First Fixings - High Level Flat Roof (Central Activity Space) <u>(Cont) CARCASSING</u> (Cont) Structural softwood timber to flat roofs; sawn, strength class C24, clearly marked and fully preservative-treated; 47 × 225 mm joists at 400 mm centres; including cutting, fitting and working joist ends into the web recesses between steel...				
A	Timber bridging between joists; two rows at restraint strap locations as detailed; preservative-treated solid timber blocking, depth to suit joists, cut and tightly fitted between joists at 400 mm centres; including all necessary fixings; restraint straps measured separately; all in accordance with DFK's drawings and Structural Engineering Specification.	34	m		
	<u>BOARDING AND SECOND FIXINGS</u> Marine-grade plywood structural decking to flat-roof areas; 18 mm thick, laid on joists to falls and securely fixed to supporting roof timbers; including supported board joints, suitable fixings, cutting and fitting at perimeters, rooflights and penetrations; leaving ready to receive flat-roof finishes; all in accordance with Architect's Roof Plan S381_T-101 and detail drawings S381_T-300, S381_T-301 and S381_T-302. <i>Boarding to flat roof areas</i>				
B	Area exceeding 300mm	76	m2		
	<u>Ironmongery, Accessories and Sundries</u> Metal accessories to woodwork in mild steel; galvanised to B.S. 2989, Class 2A; to Engineer's details; fixed with 2 No. 'Teks Point 5' code 4.3 self tapping screws where indicated; all as per Engineer's drawings and specification <i>Accessories; straps and hangers</i>				
C	Galvanised mild steel restraint straps, 900 mm long, at 1,200 mm centres at steel beam locations; fixed across adjoining roof joists as detailed; including forming, drilling and all necessary fixings; strap width, thickness and fixing arrangement in accordance with DFK's Drawing 23003/003B and Structural Engineering Specification	60	nr		
D	Vertical twisted galvanised mild steel restraint straps at 1,200 mm centres; fishtail ends embedded 150 mm into inner-leaf blockwork and fully bedded in mortar; secured to roof timbers, including timber blocking pieces and all necessary fixings; provide straps and blocking on all four sides of roof; all in accordance with DFK's drawings and Structural Engineering Specification.	33	nr		
To Collection €					

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) WOODWORK</u>				
	WOODWORK: Structural and First Fixings - Low Level Flat Roofs				
	<u>CARCASSING</u>				
	Structural softwood timber to flat roofs; sawn, strength class C24, clearly marked and fully preservative-treated; 47 × 225 mm joists at 400 mm centres; including cutting, fitting and working joist ends into the web recesses between steel beam flanges, with necessary connections and fixings; all in accordance with DFK's drawings 23003/001B and 23003/003B and Structural Engineering Specification				
	<i>Low Level Flat Roof Areas</i>				
	<i>Roof Joists</i>				
A	Roof Joists; 47 x 225mm joists laid horizontal at 400mm c/c - joists	950	m		
B	Double Trimmer beam B2; 2nr 47*225 C24 timbers bolted together set onto new masonry wall over staff WC area and within existing wall; contractor to for forming pocket in existing wall and packing around trimmer beam with mortar, making good.	5	m		
C	Preservative-treated softwood furring pieces to lower-level flat-roof areas; tapered to form falls in accordance with the Architect's specification and details, securely fixed to 225 mm deep roof joists; including cutting, fitting, joints and all necessary fixings, leaving ready to receive plywood decking measured elsewhere; all in accordance with Architect's drawings S381_T-101, S381_T-300, S381_T-301 and S381_T-302.	888	m		
D	Timber wall plate; 100 × 75 mm preservative-treated softwood, fixed to blockwork with M12 wedge anchors at 800 mm centres, minimum 150 mm embedment into blockwork; including drilling, nuts, washers, cutting, jointing and all necessary fixings; all in accordance with DFK's drawings and details	65	m		
E	Timber infill to bottom chord of T1 truss; bolted through web with 2nr M12 bolts at 400 mm centres; including drilling, bolts, nuts, washers, cutting and fitting; joist hangers measured elsewhere; all in accordance with DFK's drawings and details	26	m		
				To Collection €	

Description		Qty	Unit	Rate	Amount
(Cont) WOODWORK					
(Cont) WOODWORK: Structural and First Fixings - Low Level Flat Roofs					
(Cont) CARCASSING					
(Cont) Structural softwood timber to flat roofs; sawn, strength class C24, clearly marked and fully preservative-treated; 47 × 225 mm joists at 400 mm centres; including cutting, fitting and working joist ends into the web recesses between steel...					
A	Joist ends built into blockwork walls; including forming pockets, building in and making good around joists; preservative-treated timber bridging pieces tightly wedged between joists and secured to wall with M12 express fixings; all in accordance with the Engineer's drawings and details	32	m		
B	Timber trimmer pieces to canopy and parapet sections; 225 mm deep C24 sawn softwood, fully preservative-treated, width and arrangement to suit detailed construction; including cutting, fitting, connections, brackets and all necessary fixings; all in accordance with the Architect's and DFK's drawings and details	67	m		
COMPOSITE ITEMS					
Composite timber framing to rooflight upstands; comprising 110 × 40 mm preservative-treated C24 softwood studs at 400 mm centres, with plates, noggings and supporting grounds securely fixed to roof structure; Contractor to fully infill between studs with insulation to the Architect's specification; clad all surrounding faces, tops and returns with 18 mm marine-grade plywood, joints fully supported; including forming corners, cutting, fitting, brackets, bolts and all necessary fixings; leaving ready to receive rooflight units, bitumen membrane upstands and cover flashings measured elsewhere; all in accordance with Architect's Drawing S381_T-302, Detail 18, and DFK's structural details.					
C	Roof light up stands; Area exceeding 300mm	9	m2		
				To Collection €	

Description		Qty	Unit	Rate	Amount
(Cont) WOODWORK (Cont) WOODWORK: Structural and First Fixings - Low Level Flat Roofs <u>(Cont) COMPOSITE ITEMS</u> Composite timber stud framing to canopy ends; forming vertical upstands, steps and returns to profiles shown; comprising preservative-treated C24 softwood framing, 150 × 44 mm members to upper sections and 100 × 44 mm members to lower sections; including head and sole plates, noggings, blocking and supporting grounds, securely connected to canopy roof structure; clad all surrounds, including faces, tops, soffits, steps and returns, with 18 mm marine-grade plywood, joints fully supported; including cutting, fitting, brackets, straps, bolts and all necessary fixings; leaving ready to receive pressed metal finishes to front face and bitumen waterproofing membrane to roof side, both measured elsewhere; all in accordance with the Architect's and DFK's drawings and details					
A	Vertical Framing to Stepped canopy area; 500mm high from joist level <u>BOARDING AND SECOND FIXINGS</u> Marine-grade plywood structural decking to flat-roof areas; 18 mm thick, laid on joists to falls and securely fixed to supporting roof timbers; including supported board joints, suitable fixings, cutting and fitting at perimeters, rooflights and penetrations; leaving ready to receive flat-roof finishes; all in accordance with Architect's Roof Plan S381_T-101 and detail drawings S381_T-300, S381_T-301 and S381_T-302. <i>Boarding to flat roof areas</i>	28	m		
B	Area exceeding 300mm Marine-grade plywood substrate to vertical fascias; 18 mm thick, securely fixed to 225 mm deep timber fascia trimmer measured elsewhere, extending above adjacent roof finish to profiles shown; including supported joints, cutting, fitting, returns and all necessary fixings; leaving ready to receive pressed metal finishes measured elsewhere; all in accordance with the Architect's and DFK's drawings and details.	351	m2		
C	Fascia Substrate; vertical; exceeding 300mm	23	m2		
To Collection €					

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) WOODWORK</u> (Cont) WOODWORK: Structural and First Fixings - Low Level Flat Roofs <u>Ironmongery, Accessories and Sundries</u> Metal accessories to woodwork in mild steel; galvanised to B.S. 2989, Class 2A; to Engineer's details; fixed with 2 No. 'Teks Point 5' code 4.3 self tapping screws where indicated; all as per Engineer's drawings and specification <i>Accessories; straps and hangers</i>				
A	Proprietary galvanised steel truss clips to canopy roof area; securing roof timbers to supporting members as detailed; including all necessary nails, screws and fixings; installed in accordance with the manufacturer's recommendations and DFK's Drawing 23003/003B, Detail 1A/003.	69	nr		
B	Proprietary galvanised steel joist hangers to suit 225 x 47 mm roof joists; secured to timber infill at bottom chord of T1 truss; including all square twisted nails, screws and fixings required by the manufacturer; timber infill measured elsewhere; installed in accordance with the manufacturer's recommendations and DFK's drawings and details.	69	nr		
	<u>WOODWORK</u> Ironmongery, Accessories and Sundries <u>Proprietary insulation to canopy roof junctions over cavity walls; fitted between roof timbers at lower level, carried continuously over wall heads to connect with cavity insulation and extended externally into canopy areas as detailed to minimise cold bridging; thickness and extent as shown; including cutting, close fitting around timbers, supports and fixings; Contractor to submit product proposals and technical data for approval; installed in accordance with the manufacturer's recommendations and Architect's Drawing S381_T-300, Detail 1.</u> Insulation; Thermal				
C	PIR Insulation 150mm deep; Horizontal; width exceeding 300mm	76	m2		
To Collection €					

	Description	Qty	Unit	Rate	Amount
	<u>(28) FRAME</u>				
	<u>SECTIONAL COMPLETION</u>				
A	Contractor to note that all works in this project are being completed in Sections as per Proposed Ground Floor Plan drawing T100/C; Contractor to take cognisance when pricing the items included in this element as all measurement / items included herein is for the complete Works; no claims on the grounds of want of knowledge will be entertained whatsoever	1	item		
B	Contractor must include either in this item or within their rates within this element for the Works to be completed in Sections	1	item		
	<u>NOTES</u>				
C	1. When pricing the following items the Contractor's attention is drawn to the location of the site. The Contractor should also visit and check the site. No claims on the grounds of want of knowledge in respect of the above will be entertained whatsoever.		note		
D	2. Please refer to Consulting Engineers and Architect's Specification and Drawings		note		
E	3. 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 of compliance. Notwithstanding this, the appropriate foregoing documentation and samples are to be provided to the architect prior to being incorporated into the construction		note		
	<u>CONCRETE WORK</u>				
	In-Situ Concrete; Reinforced				
	<u>Concrete cubes for testing</u>				
	Provide for making sampling and testing procedures shall comply with IS EN 12350 Testing Fresh concrete; transporting and testing cubes; all as per details in Engineer's Concrete Specification				
F	Size 150 x 150 x 150mm	1	nr		
To Collection €					

Description		Qty	Unit	Rate	Amount
(Cont) CONCRETE WORK					
(Cont) In-Situ Concrete; Reinforced					
<u>In-situ Concrete; Reinforced</u>					
Structural concrete; designed concrete; strength class C30/37; exposure class XC4; chloride class Cl 0.40; nominal maximum aggregate size 20 mm; consistence class S3; minimum cement content 310 kg/m³; maximum free water/cement ratio 0.55; aggregates complying with I.S. EN 12620 and S.R. 16; recycled concrete aggregate not permitted; for reinforced-concrete band beams; all in accordance with I.S. EN 206 and the Irish National Annex, DFK Engineer's Drawings 23003/002/B and 23003/003/B and Structural Engineering Specification Section 4.					
Beams					
A	Cross-sectional area not exceeding 0.10m²; Reinforced; RC Beams	5	m³		
<u>Reinforcement</u>					
Bar reinforcement; Hot rolled high yield steel bars shall comply with ISO9001/ CARES ISEN10080/ BS4449 except that no bar shall contain a flash weld. All bars shall be cut and bent in accordance with BS 8666 ; must be free of loose millscale and thoroughly cleaned to remove all loose rust, oil, grease or other harmful matter prior to being placed in position with and including all necessary laps, spacers, chairs and tying wire; all in strict accordance with the Engineers Drawings; refer to Engineer's Specification Section 4.30					
Bar; straight or bent; Beam					
B	Nominal size not exceeding 12mm diameter	0.66	t		
				To Collection €	

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) CONCRETE WORK</u> (Cont) In-Situ Concrete; Reinforced <u>Formwork</u> Formwork; design and construction of falsework and formwork to reinforced-concrete band beams; Plain finish to formed surfaces; formwork faced with good-quality, defect-free resin-bonded plywood, metal panels or thickened boards arranged in a uniform pattern; formwork adequately supported, strutted, braced and tied and sufficiently rigid to maintain the specified dimensions, line and level during placing and compaction; concrete surfaces to be true with clean arrises, consistent colour and only very minor surface blemishes, without release-agent discolouration, grout runs or honeycombing; formwork-panel joints and tie holes arranged in a regular pattern with steps at joints not exceeding 1.5 mm; including approved release agent, stop ends, box-outs, temporary supports, striking and making good; all in accordance with Engineer's Drawings 23003/002/B and 23003/003/B and Structural Engineering Specification Clauses 4.25–4.29 Beams A Nominal size not exceeding 250mm high	218	m		
	<u>STEELWORK</u> Structural Steelwork <u>Fabricated and welded structural steelwork; structural sections to be grade S355 and plates to be grade S275 unless noted otherwise; hot-rolled sections and plates complying with I.S. EN 10025-2, hot-finished structural hollow sections complying with I.S. EN 10210-1 and cold-formed structural hollow sections complying with I.S. EN 10219-1; all in accordance with Engineer's Drawings 23003/001/B, 23003/002/B and 23003/003/B and the Structural Engineering Specification.</u> Beams B B1 203*133*30 UB C B3 203*203*46 UC D B4 203*203 46 UC complete with 12mm Plate E B5 203*203*71 UC F B7 254*102*22 UB G B8 150*75*18 UB Stub Bracket	0.79 0.42 3.68 0.45 1.33 0.07	tn tn tn tn tn tn		
				To Collection €	

	Description	Qty	Unit	Rate	Amount
	(Cont) STEELWORK				
	(Cont) Structural Steelwork				
	<u>(Cont) Fabricated and welded structural steelwork; structural sections to be grade S355 and plates to be grade S275 unless noted otherwise; hot-rolled sections and plates complying with I.S. EN 10025-2, hot-finished structural...</u>				
	(Cont) Beams				
A	B9 254*146*43 UB	0.84	tn		
B	533*210*82 UB complete with 12mm plate	1.30	tn		
	Column				
C	S1 80*80*6.3 SHS	0.90	tn		
D	S2 203*203*46 UC	0.39	tn		
E	S3 457*152*52 UB	1.08	tn		
F	S4 100*100*10 SHS	0.11	tn		
G	S5 254*146*31 UB	0.23	tn		
	PFC				
H	Steel stub brackets; 100 × 50 mm PFC sections bolted to 254 × 102 mm steel beam with 4 no. M20 bolts per bracket; including cutting, drilling, nuts, washers and specified protective treatment; all in accordance with DFK's drawings and Structural Engineering Specification	0.28	tn		
	Angle				
I	RSA 60*60*6 Fixed to band beams to specification & detail	0.30	tn		
	Vierendeel Truss				
J	Truss T1; Purpose-made welded Vierendeel roof truss forming the structural framing to the high-level window; comprising 254 × 102 × 22 UB top and bottom chords, 152 × 152 × 23 UC end posts and 80 × 80 × 6.3 SHS intermediate vertical posts at approximately 1.83 m centres; structural steel grade S355 with plates grade S275 unless noted otherwise; including all welded and bolted connections, end plates, splice plates, gussets, stiffeners, cleats, brackets, packings, holes, bolts, welds and associated fittings	1.44	tn		
	Fittings				
K	General; including caps, bases, haunches, gussets, end plates, splice plates, cleats, brackets, stiffeners, distance pieces and the like	1.47	t		
To Collection €					

Description		Qty	Unit	Rate	Amount
(Cont) STEELWORK					
(Cont) Structural Steelwork					
<u>Protective coatings</u>					
Surface treatments off site; Steelwork to be shot-blasted to standard Sa 2# of IS EN ISO 8501-1 and unless specified otherwise, hot dip galvanized to a thickness of 140 microns thick and in accordance with IS EN ISO 1461; Remove all traces of loose rust, grit, etc by compressed air hose or careful clean dry brushing. Inspect for laminations and remove by careful grinding leaving a smooth surfaces; all as per engineer drawings & Engineering Specification					
Steelwork					
A	General surfaces	7.18	t		
<u>Surface treatments off site; Priming of the clean blast steel should be carried out within 2 hours of shot-blast. The blast primer shall be a 2-pack epoxy zinc rich primer applied by airless spray to give a minimum dry film thickness of 25 microns; all as per engineer drawings & Engineering Specification</u>					
Steelwork					
B	General surfaces	15.08	t		
<u>Surface treatments off site; The site holding primer shall be a high-build zinc phosphate modified alkyd primer applied by airless spray to give a minimum dry film thickness of 75 microns; all as per engineer drawings & Engineering Specification</u>					
Steelwork					
C	General surfaces	15.08	t		
<u>Spot primer after fabrication; After erection all site contaminants shall be removed and the steelwork shall be patch primer if required with the specified primer. All nuts and bolts shall be degreased and coated with one coat of the primer; Also remove all dust dirt grease etc. Wash with White Spirit where necessary. Then spot - prime all bare metal with Blast Primer.Allow to dry over night; all as per engineer drawings & Engineering Specification</u>					
Steelwork					
D	General surfaces	15.08	t		
				To Collection €	

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) STEELWORK</u> (Cont) Structural Steelwork <u>Bolts</u> 4no M20 resin anchor Bolt with min 200mm embedment; all as per engineer's drawing & Specification A Generally	124	nr		
	<u>PAINTING AND DECORATING</u> Painting <u>Intumescent coating system to structural steelwork; provide 60-minute fire resistance in accordance with DFK Drawing 23003/003/B, the Architect's Fire Safety requirements and Structural Engineering Specification Section 8.58; system performance to Ss 40 90 40/210, Ss 40 90 40/205, Ss 40 90 40/290 and Ss 40 90 40/215; proprietary single-manufacturer primer, intumescent base coat and protective topcoat system, Sika Unitherm Fire Protection System or equivalent approved; system manufacturer and specialist applicator to submit proposals; steel surfaces blast-cleaned to Sa2.5 and provided with a compatible corrosion-protection primer; galvanised steel thoroughly degreased, cleaned and prepared using an approved etch primer, mordant solution or other treatment recommended by the intumescent coating manufacturer; required intumescent dry-film thickness designed and certified separately for each steel section based on its section factor, number of exposed faces and required fire-resistance period; include masking, application, protective sealer/topcoat, treatment of connections, bolts and fixings, making good damage following erection, inspection and dry-film thickness testing to Ss 40 90 40/670; submit marked-up member schedule, method statements, product data, DoP, compatibility certificates, fire-resistance certification, application and inspection records and operation and maintenance information; all in accordance with the Architect's Specification, Engineer's Drawings 23003/001/B, 23003/002/B and 23003/003/B and Structural Engineering Specification Section 8.58</u> Structural Metalwork; members of roof trusses, purlins, rails, lattice girders and the like B Girth exceeding 300mm	395	m2		
To Collection €					

Description		Qty	Unit	Rate	Amount
<u>TEMPORARY WORKS</u>					
Contractor to include for all necessary temporary works to Contractor's own design; include for all propping, shoring, concrete foundations etc.; refer to indicative details shown on Engineer's drawings					
A	Generally	1	item		
				To Collection €	

	Description	Qty	Unit	Rate	Amount
	<u>(31) EXTERNAL WALL; COMPLETIONS</u>				
	<u>SECTIONAL COMPLETION</u>				
A	Contractor to note that all works in this project are being completed in Sections as per Proposed Ground Floor Plan drawing T100/C; Contractor to take cognisance when pricing the items included in this element as all measurement / items included herein is for the complete Works; no claims on the grounds of want of knowledge will be entertained whatsoever	1	item		
B	Contractor must include either in this item or within their rates within this element for the Works to be completed in Sections	1	item		
	<u>ROOFING, CLADDING AND WATERPROOFING</u>				
	<u>Flexible Sheet Metal Coverings</u>				
	<u>External cills; powder-coated pressed aluminium window cills; colour, thickness and profile to Architect's details; continuously supported along their entire length on rigid insulation over DPC, including insulation and DPC; fixed using concealed brackets, including end caps, stop ends, joints, sealants and all necessary fixings; complete in accordance with Architect's details and Specification</u>				
	Cills				
C	300 - 450mm girth; four times bent	95	m		
	<u>WOODWORK</u>				
	<u>Boarding and Second Fixings</u>				
	<u>Window Boards; General requirements: Ac_05_50_91/340 Timber sourcing; Material: Moisture-resistant MDF; Manufacturer: MEDITE MR or equivalent approved; Class: Class E1 formaldehyde content; Moisture content at time of fixing: 9–13%; Profile: As per Architect's details; Finished size: 340mm x 25mm thick; Grounds: Including 40mm x 10mm softwood timber grounds mechanically fixed to background, including all necessary fixings; Finish as delivered: Sanded, prepared to receive painted finish; Execution: Pr_35_90_43/606 Installing wood mouldings and trims; all in accordance with Architect's details</u>				
	Second Fixings; Window Boards				
D	320mm x 20mm thick; square edges; fixing to and including softwood shims/timber battens mechanically fixed to blockwork	95	m		
To Collection €					

Description	Qty	Unit	Rate	Amount
METALWORK				
Non-Structural				
<u>External Door System; thermally broken aluminium-framed external doors with full-length glazed panels and fanlights where indicated; 70mm thick door leaves; polyester powder-coated matt finish, applied by a Qualicoat-approved applicator; RAL colour to Architect's selection; overall U-value not exceeding 1.29 W/m²K; glazing build-up to Architect's specification, including safety glazing and manifestation as indicated; Ironmongery: Including panic push bars to doors where specified on Architect's Fire Safety Certificate drawings, complete with associated operating hardware and fixings; Flashings: Contractor to supply and install flashings to posts at door and adjoining window junctions wherever indicated, including all cutting, forming, laps, joints, fixings and sealants necessary to provide complete weathertight junctions; including frames, weather seals, thresholds, fixings and perimeter sealants; configurations and dimensions as scheduled for GD01-GD05 on Architect's drawing S381 T-402A; all in accordance with Architect's specification and drawings</u>				
Composite Items; Doorsets Type GD01; Double Door & Fanlight; Associated Frame Sets; to Architect's Drawing T-402A				
A Door Type GD01; Double Door with Fanlight; Overall nominal size (including frame) 2115mm wide x 2700mm high; comprising 1nr double door size 2115mm x 2100mm high; 1nr glazed unit fanlight size 2115mm x 600mm high; complete	1	nr		
B Extra over for Safety Glass - Class 1B1	2	nr		
C Extra over for glazing manifestations located between 850-1000mm and 1400-1600mm	4	nr		
Composite Items; Doorsets Type GD02; Double Door & Fanlight; Associated Frame Sets; to Architect's Drawing T-402A				
D Door Type GD02; Double Door with Fanlight; Overall nominal size (including frame) 2115mm wide x 2700mm high; comprising 1nr double door size 2115mm x 2100mm high; 1nr glazed unit fanlight size 2115mm x 600mm high; complete	1	nr		
E Extra over for Safety Glass - Class 1B1	2	nr		
F Extra over for glazing manifestations located between 850-1000mm and 1400-1600mm	4	nr		
To Collection €				

Description		Qty	Unit	Rate	Amount
(Cont) METALWORK					
(Cont) Non-Structural					
<u>(Cont) External Door System; thermally broken aluminium-framed external doors with full-length glazed panels and fanlights where indicated; 70mm thick door leaves ; polyester powder-coated matt finish, applied...</u>					
Composite Items; Doorsets Type GD05; Double Door & Associated Frame Sets; to Architect's Drawing T-402A					
A	Door Type GD05; Double Door; Overall nominal size (including frame) 2115mm wide x 2100mm high	1	nr		
B	Extra over for Safety Glass - Class 2B2	2	nr		
C	Extra over for glazing manifestation located between 850-1000mm and 1400-1600mm	4	nr		
Composite Items; Doorsets Type GD03; Single Door & Fanlight; Associated Frame Sets; to Architect's Drawing T-402A					
D	Door Type GD03; Single Door with Fanlight; Overall nominal size (including frame) 1150mm wide x 2710mm high; comprising 1nr Single Door size 1150mm x 2100mm high; 1nr glazed unit fanlight size 1150mm x 600mm high; complete	1	nr		
E	Extra over for Safety Glass - Class 1B1	1	nr		
F	Extra over for glazing manifestations located between 850-1000mm and 1400-1600mm	2	nr		
Composite Items; Doorsets Type GD04; Single Door & Fanlight; Associated Frame Sets; to Architect's Drawing T-402A					
G	Door Type GD04; Single Door with Fanlight; Overall nominal size (including frame) 1150mm wide x 2710mm high; comprising 1nr Single Door size 1150mm x 2100mm high; 1nr glazed unit fanlight size 1150mm x 600mm high; complete	1	nr		
H	Extra over for Safety Glass - Class 1B1	1	nr		
I	Extra over for glazing manifestations located between 850-1000mm and 1400-1600mm	2	nr		
				To Collection €	

Description	Qty	Unit	Rate	Amount
(Cont) METALWORK (Cont) Non-Structural Aluminium window units; Description: Supply and fix thermally broken, triple-glazed aluminium window units, comprising fixed glazing and top-guided opening lights as indicated on Architect's schedules; Manufacturer: Contractor to submit proposals for approval, including evidence of compliance with the specified performance requirements; Dimensions and configurations: As scheduled on Architect's drawings S381 T-400B, S381 T-401A and S381 T-402A; Finish: Polyester powder-coated, RAL colour to Architect's selection; Thermal performance: Overall window U-value not exceeding 1.29 W/m²K; Glazing: Clear, toughened safety, obscure and coloured-film glazing as indicated on the schedules; Operation: Manual opening mechanisms to windows marked "M" and automated opening/closing mechanisms to windows marked "A", including associated operating gear, restrictors and controls; opening lights to operate freely and smoothly throughout their intended range, with restrictions coordinated to provide child safety and the required ventilation opening area; electrical wiring and connections coordinated with the Electrical Contractor; Weather performance: Air permeability to EN 12207, Class 3 or better; watertightness to BS EN 12208, Class 9A at 600Pa or better; wind resistance tested to I.S. EN 12211 at pressures P1 = 1600Pa, P2 = 800Pa and P3 = 2400Pa; Flashings: Contractor to supply and install flashings to posts at window junctions wherever indicated on Architect's drawings, including all cutting, forming, laps, joints, fixings and sealants necessary to provide a complete weathertight junction; including frames, glazing beads, gaskets, weather seals, ironmongery, fixings, perimeter sealants, adjustment and commissioning; all in accordance with Architect's specification and window schedules.				
To Collection €				

	Description	Qty	Unit	Rate	Amount
	(Cont) METALWORK (Cont) Non-Structural Frame Profile: Extruded aluminium alloy profiles incorporating polyamide thermal breaks; manufacturer to submit proposed profile system and supporting technical data for approval; ancillary cills, couplings and sheet aluminium components to be suitable for their application and compatible with the window system; Finish as delivered: Polyester powder coating to BS EN 12206-1, RAL colour to Architect's selection; Glazing or infill: Triple glazing, including clear, toughened safety, obscure and coloured-film glazing where indicated on Architect's schedules; Thermal performance: Overall window U-value not exceeding 1.29 W/m²K; Hardware: Including hinges, handles, restrictors and manual or automated opening mechanisms as scheduled; Fixing features: Including all necessary brackets, couplings, fixings, gaskets and perimeter seals, maintaining the weathertightness and operational performance of the complete installation; Execution: Pr 30 59 98/635 Fixing of aluminium frames; all in accordance with Architect's Specification and drawings S381_T-400B, S381_T-401A and S381_T-402A. Composite items; Window Ref GW27				
A	Window Ref GW27; Overall size (including frame) 10280mm wide x 1255mm high; comprising 7nr top-guided glazed opening lights with automated opening/closing mechanisms and 6nr fixed glazed panels with coloured film; triple-glazed aluminium construction; complete as per Architect's Window Schedule S381_T-402A	1	nr		
B	Extra over for automated opening/closing mechanism to top-guided window opening lights marked "A" on Architect's window schedules; including actuators, associated controls, brackets, fixings, adjustment and commissioning; wiring and electrical connections by the Electrical Contractor; all as per Architect's drawings S381_T-401A and S381_T-402A.	7	nr		
C	Extra over for Coloured Filmed Glass	6	nr		
D	Extra over for Safety Glass - Class 1B1	13	nr		
	Composite items; Window Ref GW28				
E	Window Ref GW28; Overall size (including frame) 10280mm wide x 1255mm high; comprising 7nr top-guided glazed opening lights with automated opening/closing mechanisms and 6nr fixed glazed panels with coloured film; triple-glazed aluminium construction; complete as per Architect's Window Schedule S381_T-402A	1	nr		
				To Collection €	

Description		Qty	Unit	Rate	Amount
(Cont) METALWORK					
(Cont) Non-Structural					
<u>(Cont) Frame Profile: Extruded aluminium alloy profiles incorporating polyamide thermal breaks; manufacturer to submit proposed profile system and supporting technical data for approval; ancillary cills, couplings and sheet...</u>					
(Cont) Composite items; Window Ref GW28					
A	Extra over for automated opening/closing mechanism to top-guided window opening lights marked "A" on Architect's window schedules; including actuators, associated controls, brackets, fixings, adjustment and commissioning; wiring and electrical connections by the Electrical Contractor; all as per Architect's drawings S381_T-401A and S381_T-402A.	7	nr		
B	Extra over for Coloured Filmed Glass	6	nr		
C	Extra over for Safety Glass - Class 1B1	13	nr		
Composite items; Window Ref GW01					
D	Window Ref GW01; Overall size (including frame) 1820mm wide x 2700mm high; comprising 1nr top-guided glazed opening light with manual opening mechanism and 5nr fixed glazed units; triple-glazed aluminium construction with clear glazing and toughened safety glazing where indicated; complete as per Architect's Window Schedule S381_T-400B.	1	nr		
E	Extra over for manual opening/closing mechanism to top-guided window opening lights marked "M" on Architect's window schedules; including operating gear, winding mechanism where indicated, hinges, handles, restrictors and all associated ironmongery, brackets, fixings, adjustment and commissioning; all as per Architect's drawings S381_T-400B and S381_T-401A	1	nr		
F	Extra over for Safety Glass - Class 1B1	4	nr		
Composite items; Window Ref GW02					
G	Window Ref GW02; Overall size (including frame) 1820mm wide x 2700mm high; comprising 1nr top-guided glazed opening light with manual opening mechanism and 5nr fixed glazed units; triple-glazed aluminium construction with clear glazing and toughened safety glazing where indicated; complete as per Architect's Window Schedule S381_T-400B.	1	nr		
				To Collection €	

Description		Qty	Unit	Rate	Amount
(Cont) METALWORK					
(Cont) Non-Structural					
<u>(Cont) Frame Profile: Extruded aluminium alloy profiles incorporating polyamide thermal breaks; manufacturer to submit proposed profile system and supporting technical data for approval; ancillary cills, couplings and sheet...</u>					
(Cont) Composite items; Window Ref GW02					
A	Extra over for manual opening/closing mechanism to top-guided window opening lights marked "M" on Architect's window schedules; including operating gear, winding mechanism where indicated, hinges, handles, restrictors and all associated ironmongery, brackets, fixings, adjustment and commissioning; all as per Architect's drawings S381_T-400B and S381_T-401A	1	nr		
B	Extra over for Safety Glass - Class 1B1	4	nr		
Composite items; Window Ref GW04 & GW08					
C	Window Refs GW04 & GW08; Overall size of each unit (including frame) 4450mm wide x 1835mm high; comprising 4nr top-guided glazed opening lights with manual opening mechanisms and 8nr fixed glazed units; triple-glazed aluminium construction with clear glazing and toughened safety glazing where indicated; including hinges, handles, restrictors and all associated ironmongery; complete as per Architect's Window Schedule S381_T-400B	2	nr		
D	Extra over for manual opening/closing mechanism to top-guided window opening lights marked "M" on Architect's window schedules; including operating gear, winding mechanism where indicated, hinges, handles, restrictors and all associated ironmongery, brackets, fixings, adjustment and commissioning; all as per Architect's drawings S381_T-400B and S381_T-401A	8	nr		
E	Extra over for Safety Glass - Class 1B1	16	nr		
Composite items; Window Ref GW03 & GW22A					
F	Window Refs GW03 & GW22A; Overall size of each unit (including frame) 2000mm wide x 1800mm high; comprising 1nr fixed glazed unit; triple-glazed aluminium construction with clear toughened safety glazing; complete as per Architect's Window Schedule S381_T-400B	2	nr		
G	Extra over for Safety Glass - Class 1B1	2	nr		
				To Collection €	

	Description	Qty	Unit	Rate	Amount
	(Cont) METALWORK (Cont) Non-Structural <u>(Cont) Frame Profile: Extruded aluminium alloy profiles incorporating polyamide thermal breaks; manufacturer to submit proposed profile system and supporting technical data for approval; ancillary cills, couplings and sheet...</u> Composite items; Window Ref GW05 & GW07				
A	Window Refs GW05 & GW07; Overall size of each unit (including frame) 700mm wide x 610mm high; comprising 1nr top-guided glazed opening light with manual opening mechanism; triple-glazed aluminium construction with obscure glazing; including hinges, handles, restrictors and all associated ironmongery; complete as per Architect's Window Schedule S381_T-400B.	2	nr		
B	Extra over for manual opening/closing mechanism to top-guided window opening lights marked "M" on Architect's window schedules; including operating gear, winding mechanism where indicated, hinges, handles, restrictors and all associated ironmongery, brackets, fixings, adjustment and commissioning; all as per Architect's drawings S381_T-400B and S381_T-401A	2	nr		
C	Extra over for obscure glazing	2	nr		
	Composite items; Window Ref GW06, GW11, GW12				
D	Window Refs GW06, GW11 & GW12; Overall size of each unit (including frame) 1050mm wide x 610mm high; comprising 1nr top-guided glazed opening light with manual opening mechanism; triple-glazed aluminium construction with obscure glazing; including hinges, handles, restrictors and all associated ironmongery; complete as per Architect's Window Schedule S381_T-400B	3	nr		
E	Extra over for manual opening/closing mechanism to top-guided window opening lights marked "M" on Architect's window schedules; including operating gear, winding mechanism where indicated, hinges, handles, restrictors and all associated ironmongery, brackets, fixings, adjustment and commissioning; all as per Architect's drawings S381_T-400B and S381_T-401A	1	nr		
F	Extra over for obscure glazing	3	nr		
To Collection €					

Description		Qty	Unit	Rate	Amount
(Cont) METALWORK					
(Cont) Non-Structural					
<u>(Cont) Frame Profile: Extruded aluminium alloy profiles incorporating polyamide thermal breaks; manufacturer to submit proposed profile system and supporting technical data for approval; ancillary cills, couplings and sheet...</u>					
Composite items; Window Ref GW10					
A	Window Ref GW10; Overall size (including frame) 3750mm wide x 1800mm high; comprising 2nr top-guided glazed opening lights with manual opening mechanisms and 1nr central fixed glazed unit; triple-glazed aluminium construction with clear toughened safety glazing; including hinges, handles, restrictors and all associated ironmongery; complete as per Architect's Window Schedule S381_T-400B	1	nr		
B	Extra over for manual opening/closing mechanism to top-guided window opening lights marked "M" on Architect's window schedules; including operating gear, winding mechanism where indicated, hinges, handles, restrictors and all associated ironmongery, brackets, fixings, adjustment and commissioning; all as per Architect's drawings S381_T-400B and S381_T-401A	1	nr		
C	Extra over for Safety Glass - Class 1B1	3	nr		
Composite items; Window Ref GW13					
D	Window Ref GW13; Overall size (including frame) 2315mm wide x 2560mm high; comprising 1nr top-guided glazed opening light with manual opening mechanism and 5nr fixed glazed units; triple-glazed aluminium construction with clear glazing and toughened safety glazing where indicated; including hinges, handles, restrictors and all associated ironmongery; complete as per Architect's Window Schedule S381_T-400B.	1	nr		
E	Extra over for manual opening/closing mechanism to top-guided window opening lights marked "M" on Architect's window schedules; including operating gear, winding mechanism where indicated, hinges, handles, restrictors and all associated ironmongery, brackets, fixings, adjustment and commissioning; all as per Architect's drawings S381_T-400B and S381_T-401A	1	nr		
F	Extra over for Safety Glass - Class 1B1	4	nr		
				To Collection €	

Description		Qty	Unit	Rate	Amount
(Cont) METALWORK					
(Cont) Non-Structural					
<u>(Cont) Frame Profile: Extruded aluminium alloy profiles incorporating polyamide thermal breaks; manufacturer to submit proposed profile system and supporting technical data for approval; ancillary cills, couplings and sheet...</u>					
Composite items; Window Ref GW14 & GW17					
A	Window Refs GW14 & GW17; Overall size of each unit (including frame) 3520mm wide x 2560mm high; comprising 2nr top-guided glazed opening lights with manual opening mechanisms and 7nr fixed glazed units; triple-glazed aluminium construction with clear glazing and toughened safety glazing where indicated; including hinges, handles, restrictors and all associated ironmongery; complete as per Architect's Window Schedule S381_T-400B	2	nr		
B	Extra over for manual opening/closing mechanism to top-guided window opening lights marked "M" on Architect's window schedules; including operating gear, winding mechanism where indicated, hinges, handles, restrictors and all associated ironmongery, brackets, fixings, adjustment and commissioning; all as per Architect's drawings S381_T-400B and S381_T-401A	4	nr		
C	Extra over for Safety Glass - Class 1B1	12	nr		
Composite items; Window Ref GW15 & GW16					
D	Window Refs GW15 & GW16; Overall size of each unit (including frame) 3070mm wide x 2560mm high; comprising 2nr top-guided glazed opening lights with manual opening mechanisms and 7nr fixed glazed units; triple-glazed aluminium construction with clear glazing and toughened safety glazing where indicated; including hinges, handles, restrictors and all associated ironmongery; complete as per Architect's Window Schedule S381_T-400B	2	nr		
E	Extra over for manual opening/closing mechanism to top-guided window opening lights marked "M" on Architect's window schedules; including operating gear, winding mechanism where indicated, hinges, handles, restrictors and all associated ironmongery, brackets, fixings, adjustment and commissioning; all as per Architect's drawings S381_T-400B and S381_T-401A	4	nr		
F	Extra over for Safety Glass - Class 1B1	12	nr		
				To Collection €	

Description		Qty	Unit	Rate	Amount
(Cont) METALWORK					
(Cont) Non-Structural					
<u>(Cont) Frame Profile: Extruded aluminium alloy profiles incorporating polyamide thermal breaks; manufacturer to submit proposed profile system and supporting technical data for approval; ancillary cills, couplings and sheet...</u>					
Composite items; Window Ref GW18					
A	Window Ref GW18; Overall size (including frame) 2340mm wide x 2560mm high; comprising 1nr top-guided glazed opening light with manual opening mechanism and 5nr fixed glazed units; triple-glazed aluminium construction with clear glazing and toughened safety glazing where indicated; including hinges, handles, restrictors and all associated ironmongery; complete as per Architect's Window Schedule S381_T-401A	1	nr		
B	Extra over for manual opening/closing mechanism to top-guided window opening lights marked "M" on Architect's window schedules; including operating gear, winding mechanism where indicated, hinges, handles, restrictors and all associated ironmongery, brackets, fixings, adjustment and commissioning; all as per Architect's drawings S381_T-400B and S381_T-401A	1	nr		
C	Extra over for Safety Glass - Class 1B1	4	nr		
Composite items; Window Ref GW19					
D	Window Ref GW19; Overall size (including frame) 3180mm wide x 2560mm high; comprising 2nr top-guided glazed opening lights with manual opening mechanisms and 7nr fixed glazed units; triple-glazed aluminium construction with clear glazing and toughened safety glazing where indicated; including hinges, handles, restrictors and all associated ironmongery; complete as per Architect's Window Schedule S381_T-401A	1	nr		
E	Extra over for manual opening/closing mechanism to top-guided window opening lights marked "M" on Architect's window schedules; including operating gear, winding mechanism where indicated, hinges, handles, restrictors and all associated ironmongery, brackets, fixings, adjustment and commissioning; all as per Architect's drawings S381_T-400B and S381_T-401A	2	nr		
F	Extra over for Safety Glass - Class 1B1	6	nr		
				To Collection €	

Description		Qty	Unit	Rate	Amount
(Cont) METALWORK					
(Cont) Non-Structural					
<u>(Cont) Frame Profile: Extruded aluminium alloy profiles incorporating polyamide thermal breaks; manufacturer to submit proposed profile system and supporting technical data for approval; ancillary cills, couplings and sheet...</u>					
Composite items; Window Ref GW20					
A	Window Ref GW20; Overall size (including frame) 4325mm wide x 2560mm high; comprising 2nr top-guided glazed opening lights with manual opening mechanisms and 10nr fixed glazed units; triple-glazed aluminium construction with clear glazing and toughened safety glazing where indicated; including hinges, handles, restrictors and all associated ironmongery; complete as per Architect's Window Schedule S381_T-401A.	1	nr		
B	Extra over for manual opening/closing mechanism to top-guided window opening lights marked "M" on Architect's window schedules; including operating gear, winding mechanism where indicated, hinges, handles, restrictors and all associated ironmongery, brackets, fixings, adjustment and commissioning; all as per Architect's drawings S381_T-400B and S381_T-401A	2	nr		
C	Extra over for Safety Glass - Class 1B1	8	nr		
Composite items; Window Ref GW21					
D	Window Ref GW21; Overall size (including frame) 3080mm wide x 2560mm high; comprising 2nr top-guided glazed opening lights with manual opening mechanisms and 7nr fixed glazed units; triple-glazed aluminium construction with clear glazing and toughened safety glazing where indicated; including hinges, handles, restrictors and all associated ironmongery; complete as per Architect's Window Schedule S381_T-401A	1	nr		
E	Extra over for manual opening/closing mechanism to top-guided window opening lights marked "M" on Architect's window schedules; including operating gear, winding mechanism where indicated, hinges, handles, restrictors and all associated ironmongery, brackets, fixings, adjustment and commissioning; all as per Architect's drawings S381_T-400B and S381_T-401A	2	nr		
F	Extra over for Safety Glass - Class 1B1	6	nr		
				To Collection €	

Description		Qty	Unit	Rate	Amount
(Cont) METALWORK					
(Cont) Non-Structural					
<u>(Cont) Frame Profile: Extruded aluminium alloy profiles incorporating polyamide thermal breaks; manufacturer to submit proposed profile system and supporting technical data for approval; ancillary cills, couplings and sheet...</u>					
Composite items; Window Ref GW22					
A	Window Ref GW22; Overall size (including frame) 1000mm wide x 1800mm high; comprising 1nr lower top-guided glazed opening light with manual opening mechanism and 1nr upper fixed glazed unit; triple-glazed aluminium construction with clear toughened safety glazing; including hinges, handles, restrictors and all associated ironmongery; complete as per Architect's Window Schedule S381_T-401A.	1	nr		
B	Extra over for manual opening/closing mechanism to top-guided window opening lights marked "M" on Architect's window schedules; including operating gear, winding mechanism where indicated, hinges, handles, restrictors and all associated ironmongery, brackets, fixings, adjustment and commissioning; all as per Architect's drawings S381_T-400B and S381_T-401A	1	nr		
C	Extra over for Safety Glass - Class 1B1	2	nr		
Composite items; Window Ref GW23					
D	Window Ref GW23; Overall size (including frame) 3300mm wide x 1255mm high; comprising 2nr top-guided glazed opening lights with automated opening/closing mechanisms and 2nr fixed glazed panels with coloured film; triple-glazed aluminium construction with toughened safety glazing; including actuators, associated controls, hinges, restrictors and all associated ironmongery; complete as per Architect's Window Schedule S381_T-401A.	1	nr		
E	Extra over for automated opening/closing mechanism to top-guided window opening lights marked "A" on Architect's window schedules; including actuators, associated controls, brackets, fixings, adjustment and commissioning; wiring and electrical connections by the Electrical Contractor; all as per Architect's drawings S381_T-401A and S381_T-402A.	2	nr		
F	Extra over for Coloured Filmed Glass	2	nr		
G	Extra over for Safety Glass - Class 1B1	4	nr		
				To Collection €	

	Description	Qty	Unit	Rate	Amount
	(Cont) METALWORK				
	(Cont) Non-Structural				
	<u>(Cont) Frame Profile: Extruded aluminium alloy profiles incorporating polyamide thermal breaks; manufacturer to submit proposed profile system and supporting technical data for approval; ancillary cills, couplings and sheet...</u>				
	Composite items; Window Ref GW09				
A	Window Ref GW09; Overall size (including frame) 2000mm wide x 600mm high; comprising 1nr fixed glazed unit; triple-glazed aluminium construction with clear toughened safety glazing; complete as per Architect's Window Schedule S381_T-401A.	1	nr		
B	Extra over for Safety Glass - Class 1B1	1	nr		
	Composite items; Window Ref GW24				
C	Window Ref GW24; Overall size (including frame) 3300mm wide x 1255mm high; comprising 2nr top-guided glazed opening lights with automated opening/closing mechanisms and 2nr fixed glazed panels with coloured film; triple-glazed aluminium construction with toughened safety glazing; including actuators, associated controls, hinges, restrictors and all associated ironmongery; complete as per Architect's Window Schedule S381_T-401A.	1	nr		
D	Extra over for automated opening/closing mechanism to top-guided window opening lights marked "A" on Architect's window schedules; including actuators, associated controls, brackets, fixings, adjustment and commissioning; wiring and electrical connections by the Electrical Contractor; all as per Architect's drawings S381_T-401A and S381_T-402A.	2	nr		
E	Extra over for Coloured Filmed Glass	2	nr		
F	Extra over for Safety Glass - Class 1B1	4	nr		
	Composite items; Window Ref GW25				
G	Window Ref GW25; Overall size (including frame) 3300mm wide x 1255mm high; comprising 2nr top-guided glazed opening lights with automated opening/closing mechanisms and 2nr fixed glazed panels with coloured film; triple-glazed aluminium construction with toughened safety glazing; including actuators, associated controls, hinges, restrictors and all associated ironmongery; complete as per Architect's Window Schedule S381_T-401A.	1	nr		
To Collection €					

Description		Qty	Unit	Rate	Amount
(Cont) METALWORK					
(Cont) Non-Structural					
<u>(Cont) Frame Profile: Extruded aluminium alloy profiles incorporating polyamide thermal breaks; manufacturer to submit proposed profile system and supporting technical data for approval; ancillary cills, couplings and sheet...</u>					
(Cont) Composite items; Window Ref GW25					
A	Extra over for automated opening/closing mechanism to top-guided window opening lights marked "A" on Architect's window schedules; including actuators, associated controls, brackets, fixings, adjustment and commissioning; wiring and electrical connections by the Electrical Contractor; all as per Architect's drawings S381_T-401A and S381_T-402A.	2	nr		
B	Extra over for Coloured Filmed Glass	2	nr		
C	Extra over for Safety Glass - Class 1B1	4	nr		
Composite items; Window Ref GW26					
D	Window Ref GW26; Overall size (including frame) 3300mm wide x 1255mm high; comprising 2nr top-guided glazed opening lights with automated opening/closing mechanisms and 2nr fixed glazed panels with coloured film; triple-glazed aluminium construction with toughened safety glazing; including actuators, associated controls, hinges, restrictors and all associated ironmongery; complete as per Architect's Window Schedule S381_T-401A	1	nr		
E	Extra over for automated opening/closing mechanism to top-guided window opening lights marked "A" on Architect's window schedules; including actuators, associated controls, brackets, fixings, adjustment and commissioning; wiring and electrical connections by the Electrical Contractor; all as per Architect's drawings S381_T-401A and S381_T-402A.	2	nr		
F	Extra over for Coloured Filmed Glass	2	nr		
G	Extra over for Safety Glass - Class 1B1	4	nr		
				To Collection €	

Description		Qty	Unit	Rate	Amount
<u>PAINTING & DECORATING</u>					
Painting					
<u>Prepare and apply a proprietary waterborne satin paint system to internal MDF and non-resinous softwood/hardwood joinery, including cleaning, rubbing down, stopping, knotting where required, priming, undercoating and all finishing coats necessary to achieve a uniform satin finish; colour to be agreed; Contractor to submit product and coating-system proposals for approval prior to commencement; all in accordance with the approved manufacturer's recommendations and Architect's Specification</u>					
General Surfaces					
A	Girth not exceeding 300mm; window boards	95	m		
				To Collection €	

Description		Qty	Unit	Rate	Amount
<u>(32) INTERNAL WALL; COMPLETIONS</u>					
<u>SECTIONAL COMPLETION</u>					
A	Contractor to note that all works in this project are being completed in Sections as per Proposed Ground Floor Plan drawing T100/C; Contractor to take cognisance when pricing the items included in this element as all measurement / items included herein is for the complete Works; no claims on the grounds of want of knowledge will be entertained whatsoever	1	item		
B	Contractor must include either in this item or within their rates within this element for the Works to be completed in Sections	1	item		
<u>WOODWORK</u>					
Boarding and Second Fixings					
<u>Wood architraves; Manufacturer: Medite FR Clear or equal approved. Standard: To BS EN 942. Fire rating: To class 0 as defined in Building Regulations. Class: To BS EN 622-5, Class E1 formaldehyde content. Moisture content at time of fixing: 9#13%. Profile: As per Architects details. Finished size: As per Architects details. Finish as delivered: Sanded. Execution: Pr 35 90 43/606 Installing wood mouldings and trims; As per Architects Specification.</u>					
Second Fixing; Architraves					
C	75mm wide x 18mm thick; fixed to blockwork; to jambs and heads of Internal Doors & Screens; all in strict accordance with Drawings	306	m		
To Collection €					

Description		Qty	Unit	Rate	Amount
(Cont) WOODWORK					
(Cont) Boarding and Second Fixings					
<u>Composite Items</u>					
Wood Doorsets; Description: Internal factory-manufactured solid-core timber doorsets, references GD06–GD30: Supply and install complete independently third-party-certified internal timber doorsets, comprising 46 mm thick solid-core high-pressure-laminate-faced door leaves, colour to be agreed, with painted hardwood lippings; factory-primed and fully painted iroko hardwood frames, stops, architraves and associated trims; proprietary acoustic seals and, to FD30s doorsets, compatible intumescent and cold-smoke seals. Include clear toughened and laminated safety-glazed vision panels, hardwood glazing beads to fire-rated doorsets and softwood glazing beads to non-fire-rated doorsets, all in the sizes and configurations shown on the Architect's door schedule. Fire-rated doorsets to achieve FD30s performance and be supplied and installed as complete certified assemblies in accordance with the manufacturer's test evidence, certification and installation instructions, the project specification and Fire Safety Certificate drawings. Include all packings, grounds, fixings, sealants, tested fire-stopping between frames and surrounding construction, site measurement before manufacture, protection, adjustment, making good, and installation certification labels and cover. Complete doorsets to achieve minimum Rw 30 dB acoustic performance and Class 3 strength and durability, where required by the project specification. Sizes, leaf configurations, handing, vision panels, finishes and fire ratings to Architect's Door Schedule T600. Prepare doorsets to receive ironmongery in accordance with Ironmongery Schedule T601, hardware sets HS.01–HS.07. Ironmongery measured separately. Door Type GD12,GD21 -GD25; Single Door and Associated Frame Sets; non-fire rated; to Architect's Door Schedules					
A	Overall opening size 1000mm wide x 2100mm high; comprising of 1nr single door	6	nr		
	Door Type GD19,GD20; Single Door and Associated Frame Sets; non-fire rated; to Architect's Door Schedules				
B	Overall opening size 1000mm wide x 2100mm high; comprising of 1nr single door	2	nr		
C	Extra over for vision panel size 250mm wide x 1350mm high	2	nr		
D	Extra over for Safety Glazing - 2B2 Class B	2	nr		
				To Collection €	

	Description	Qty	Unit	Rate	Amount
	(Cont) WOODWORK				
	(Cont) Boarding and Second Fixings				
	<u>(Cont) Composite Items</u>				
	Door Type GD17, GD18; Single Door and Associated Frame Sets; 30 minute fire rated; to Architect's Door Schedules				
A	Overall opening size 900mm wide x 2100mm high; comprising of 1nr single door; including all acoustic seals, fire resistant channel and all In-tumescent seals, strips etc	2	nr		
	Door Type GD09, GD13; Single Door and Associated Frame Sets; 30 minute fire rated; to Architect's Door Schedules				
B	Overall opening size 1025mm wide x 2100mm high; comprising of 1nr single door; including all acoustic seals, fire resistant channel and all In-tumescent seals, strips etc	2	nr		
C	Extra over for vision panel size 250mm wide x 1350mm high	2	nr		
	Door Type GD15 ; Single Door & Side Screen and Associated Frame Sets; 30 minutes fire rated; to Architect's Door Schedules				
D	Overall opening size 1720mm wide x 2100mm high; comprising of 1nr single door, incorporating 1nr vision panel size 250mm wide x 1350mm high; 1nr side screen size 695mm wide x 2100mm high; including all acoustic seals, fire resistant channel and all In-tumescent seals, strips etc	1	nr		
E	Extra over for vision panel size 250mm wide x 1350mm high	1	nr		
F	Extra over for Safety Glazing - 2B2 Class B	1	nr		
G	Extra over for manifestation to glazing located between 850mm and 1000mm and 1400-1600mm	1	nr		
	Door Type GD16 ; Single Door & Side Screens and Associated Frame Sets; 30 minutes fire rated; to Architect's Door Schedules				
H	Overall opening size 2570mm wide x 2100mm high; comprising of 1nr single door, incorporating 1nr vision panel size 250mm wide x 1350mm high; 2nr side screens size 830mm wide x 2100mm high and 715mm x 2100mm high and including all acoustic seals, fire resistant channel and all In-tumescent seals, strips etc	1	nr		
I	Extra over for vision panel size 250mm wide x 1350mm high	1	nr		
J	Extra over for Safety Glazing - 2B2 Class B	2	nr		
				To Collection €	

	Description	Qty	Unit	Rate	Amount
	(Cont) WOODWORK				
	(Cont) Boarding and Second Fixings				
	<u>(Cont) Composite Items</u>				
	(Cont) Door Type GD16 ; Single Door & Side Screens and Associated Frame Sets; 30 minutes fire rated; to Architect's Door Schedules				
A	Extra over for manifestation to glazing located between 850mm and 1000mm and 1400-1600mm	2	nr		
	Door Type GD08,GD14,GD27.GD28 ; Single Door & Side Screen and Associated Frame Sets; 30 minutes fire rated; to Architect's Door Schedules				
B	Overall opening size 1475mm wide x 2100mm high; comprising of 1nr single door, incorporating 1nr vision panel size 250mm wide x 1350mm high; 1nr side screen size 450mm wide x 2100mm high; including all acoustic seals, fire resistant channel and all In-tumescent seals, strips etc	4	nr		
C	Extra over for vision panel size 250mm wide x 1350mm high	4	nr		
D	Extra over for Safety Glazing - 2B2 Class B	4	nr		
E	Extra over for manifestation to glazing located between 850mm and 1000mm and 1400-1600mm	4	nr		
	Door Type GD06,GD07,GD10,GD11,GD26,GD30; Double Door and Associated Frame Sets; 30 minute fire rated; to Architect's Door Schedules				
F	Overall opening size 1900mm wide x 2100mm high; comprising of 2nr door leafs; including all acoustic seals, fire resistant channel and all In-tumescent seals, strips etc	6	nr		
G	Extra over for vision panel sizes 550mm wide x 1600mm high x 2	6	nr		
H	Extra over for Safety Glazing - 2B2 Class B x 2	6	nr		
I	Extra over for manifestation to glazing located between 850mm and 1000mm and 1400-1600mm x 2	6	nr		
	Door Type GD29; Door and a Half and Associated Frame Sets; 30 minute fire rated; to Architect's Door Schedules				
J	Overall opening size 1300mm wide x 2100mm high; comprising of 1nr single door incorporating 1nr vision panel size 250m wide x 1350mm high and 1nr half door 325mm wide; including all acoustic seals, fire resistant channel and all In-tumescent seals, strips etc	1	nr		
K	Extra over for Safety Glazing - 2B2 Class B	1	nr		
				To Collection €	

Description	Qty	Unit	Rate	Amount
(Cont) WOODWORK (Cont) Boarding and Second Fixings Fire-rated glazed screen; Description: Proprietary complete tested glazing and framing system designed to achieve the fire performance specified in the Fire Certificate drawings, fire safety report and Architect's drawings; Configuration and dimensions: Refer to Architect's glazed screen schedule and elevations; Glass: Clear fire-resistant safety glass; Georgian wired glass is not acceptable; Manufacturer: Pyroguard UK Ltd ; Product reference: Pyroguard Firesafe T-E30/12, or equal and approved; Nominal thickness: 12mm; Fire classification: E30 integrity to BS EN 13501-2; Impact resistance: To BS EN 12600; Glazing: In accordance with BS 6262-4; Framing system: Proprietary timber or metal framing system as scheduled, including fire-rated glazing seals, intumescent channels, beads, setting blocks, fixings and all ancillary components; Installation: Strictly in accordance with the tested system, manufacturer's instructions and permitted glass sizes and aspect ratios; Components from different tested glazing systems shall not be interchanged; Certification: Submit current third-party test evidence, classification reports, Declaration of Performance and installation certification demonstrating that the complete glass, framing and glazing system achieves E30 fire resistance; all as Architect's Specification				
Composite Items; Screens; to Architect's Screen Schedule				
A Internal Screen GW31; overall size (including frame) 1950mm long x 1200mm high; comprising 1nr fixed glazed units; complete	1	nr		
B Extra over for safety glass - Class 2B2	1	nr		
C Internal Screen GW30; overall size (including frame) 2270mm long x 1200mm high; comprising 1nr fixed glazed units; complete	1	nr		
D Extra over for safety glass - Class 2B2	1	nr		
<u>Ironmongery, Accessories And Sundries</u>				
Supply and fix the following ironmongery items; Manufacturer: Contractor to submit proposals for approval; including all necessary fixings; fixing in strict accordances with the Architects specification and manufacturer's printed instructions; refer to Ironmongery Schedule T601				
Ironmongery sets; to doors				
E Electrical provisions and wiring to be provided by the Electrical Contractor		note		
To Collection €				

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) WOODWORK</u>				
	<u>(Cont) Boarding and Second Fixings</u>				
	<u>(Cont) Ironmongery, Accessories And Sundries</u>				
	(Cont) Ironmongery sets; to doors				
A	Ironmongery HS 01	4	nr		
B	Ironmongery HS 02	6	nr		
C	Ironmongery HS 03	4	nr		
D	Ironmongery HS 04	2	nr		
E	Ironmongery HS 05	1	nr		
F	Ironmongery HS 06	6	nr		
G	Ironmongery HS 07	2	nr		
	<u>Intumescent sealing: Sealing between door frames and adjoining blockwork walls on both sides with approved non-hardening intumescent sealant, including backing material, packing, preparation and all necessary ancillary work; fire resistance to match the associated doorset; all in strict accordance with the manufacturer's recommendations and Architect's drawings.</u>				
	Sundries; Seals				
H	10mm wide	306	m		
	<u>PAINTING & DECORATING</u>				
	<u>Painting</u>				
	<u>Prepare and apply a proprietary waterborne satin paint system to internal MDF and non-resinous softwood/hardwood joinery, including cleaning, rubbing down, stopping, knotting where required, priming, undercoating and all finishing coats necessary to achieve a uniform satin finish; colour to be agreed; Contractor to submit product and coating-system proposals for approval prior to commencement; all in accordance with the approved manufacturer's recommendations and Architect's Specification</u>				
	General Surfaces				
I	Girth not exceeding 300mm; Architraves	306	m		
J	Girth not exceeding 300mm; Frames	153	m		
				To Collection €	

(32) INTERNAL WALL; COMPLETIONS

Description	Qty	Unit	Rate	Amount
COLLECTION				
Page No. 9/1				
Page No. 9/2				
Page No. 9/3				
Page No. 9/4				
Page No. 9/5				
Page No. 9/6				
(32) INTERNAL WALL; COMPLETIONS Carried to Summary				

Description		Qty	Unit	Rate	Amount
(37) ROOF; COMPLETIONS					
METALWORK					
Non-Structural					
<u>Fixed rooflight: Design, supply and install proprietary fixed triple-glazed aluminium rooflight, overall size approximately 1350 × 4500mm, comprising thermally broken powder-coated aluminium framing, insulated glazing units, glazing bars, kerbs/upstands, insulated closers, flashings, weathering, seals, gaskets, fixings and all necessary accessories; colour/RAL finish to be confirmed; complete system to achieve a maximum whole-unit U-value of 1.29W/m²K and the specified structural, safety, acoustic, condensation and weathertightness performance. Contractor to verify dimensions on site and submit complete design proposals, calculations, technical data and certification for approval before manufacture; all in accordance with Architect's drawings and Specification</u>					
Composite Item; Rooflight Type GW29					
A	Overall size 1350 x 4600mm	1	nr		
				To Collection €	

Description	Qty	Unit	Rate	Amount
COLLECTION Page No. 10/1 (37) ROOF; COMPLETIONS Carried to Summary				
10/2				

	Description	Qty	Unit	Rate	Amount
	<u>(41) EXTERNAL WALL FINISHES</u>				
	<u>SECTIONAL COMPLETION</u>				
A	Contractor to note that all works in this project are being completed in Sections as per Proposed Ground Floor Plan drawing T100/C; Contractor to take cognisance when pricing the items included in this element as all measurement / items included herein is for the complete Works; no claims on the grounds of want of knowledge will be entertained whatsoever	1	item		
B	Contractor must include either in this item or within their rates within this element for the Works to be completed in Sections	1	item		
	<u>FLOOR, WALL AND CEILING FINISHES</u>				
	<u>In-situ Finishes</u>				
	<u>External rendering; scud coat mixed 1 part cement to 1.5–2 parts sharp sand by volume, applied as a slurry to provide a key; 8–12 mm thick scratch coat mixed 1:1:6 cement:lime:sand by volume, combed to receive finishing coat; 6–10 mm thick finishing coat mixed 1:1:6 cement:lime:sand by volume, finished smooth to receive paint; minimum overall render thickness 20 mm; including background preparation, curing, beads, stops and forming arrises; proposed mixes and coat thicknesses subject to Architect's approval</u>				
	Walls				
C	Exceeding 300mm wide; to blockwork	432	m2		
D	Not exceeding 300mm wide; to reveals	180	m		
E	Not exceeding 300mm wide; Plinths	126	m		
	<u>Beads/ stops for External Use, Material: PVC-U. Form: Angle bead. Movement bead. Stop bead (standard wing). Stop bead (bell cast). To suit render depth: 20 mm. Colour: White; fixed in strict accordance with the Architect's Drawings and Specification</u>				
	Sundries				
F	External Corner Beads at openings; Horizontal	98	m		
G	External Corner Beads at openings; Vertical	129	m		
H	External Corner Beads at corners	36	m		
I	Control Joints	112	m		
To Collection €					

Description		Qty	Unit	Rate	Amount
<u>(Cont) FLOOR, WALL AND CEILING FINISHES</u>					
<u>(Cont) In-situ Finishes</u>					
<u>(Cont) Beads/ stops for External Use, Material: PVC-U. Form: Angle bead. Movement bead. Stop bead (standard wing). Stop bead (bell cast). To suit render depth: 20 mm. Colour: White; fixed in strict accordance with the Architect's Drawings...</u>					
<u>(Cont) Sundries</u>					
A	Stop Beads at openings; Vertical	12	m		
B	Stop Bead fixed to base of render at ground; Horizontal	126	m		
<u>PAINTING AND DECORATING</u>					
Painting					
<u>Water-based masonry paint; to external rendered walls; smooth finish incorporating fungicide; colour to the Architect's selection; including surface preparation, primer/sealer as required and minimum two finishing coats, subject to the Architect's approval and manufacturer's recommendations; Contractor to submit proposals for approval; all in accordance with the Architect's Specification</u>					
Walls; to rendered blockwork					
C	Exceeding 300mm wide	432	m2		
D	Not exceeding 300mm wide	180	m		
E	Not exceeding 300mm wide; Plinths	126	m		
				To Collection €	

Description	Qty	Unit	Rate	Amount
COLLECTION Page No. 11/1 Page No. 11/2 (41) EXTERNAL WALL FINISHES Carried to Summary				
11/3				

	Description	Qty	Unit	Rate	Amount
	<u>(42) INTERNAL WALL FINISHES</u>				
	<u>FLOOR, WALL & CEILING FINISHES</u>				
	Tile, Slab & Mosaic Finishes				
	<u>Internal ceramic wall tiling; smooth matt finish; Contractor to assume 200 × 200 mm tiles for pricing purposes, final sizes and colours to the Architect's approval; locations and extent as indicated on the Architect's drawings; including background preparation, primers, adhesive, grout, trims, movement joints, cutting and cleaning; compatible flexible mastic sealant to all junctions on completion; Contractor to submit proposals and samples for approval; all in accordance with the Architect's drawings and specification.</u>				
	Walls				
A	Exceeding 300mm wide	10	m2		
	Extra over for				
B	Aluminum square edge tile trim or equal approved	6	m		
	<u>Hygienic PVC wall cladding to shower room walls, 2,100 mm high; Whiterock or similar approved, supplied and fitted by specialist contractor; including substrate preparation, compatible adhesive, cutting and fitting around sanitaryware, grab rails, pipework and other fixtures, jointing, internal and external corner trims, perimeter trims and watertight sealing to penetrations and adjoining finishes; Contractor to submit product proposals and samples for approval; all in accordance with the manufacturer's recommendations and the Architect's drawings and specification.</u>				
C	Wall; exceeding 300mm (shower room walls) 2100mm high	25	m2		
D	Wall; exceeding 300mm (changing places WC) 2100mm high	32	m2		
	<u>Painting</u>				
	<u>Internal wall painting; durable, washable and scrubbable water-based matt emulsion to fair-faced blockwork; including cleaning, removal of loose material, local filling and preparation while retaining the expressed blockwork joints; primer/sealer as required and minimum two full finishing coats in accordance with the manufacturer's recommendations; colours to the Architect's selection; Contractor to submit proposals and samples for approval;</u>				
	Walls				
E	Exceeding 300mm wide	1504	m2		
				To Collection €	

Description		Qty	Unit	Rate	Amount
<u>(Cont) FLOOR, WALL & CEILING FINISHES</u>					
(Cont) Tile, Slab & Mosaic Finishes					
(Cont) Painting					
(Cont) Walls					
A	Not exceeding 300mm wide	180	m		
				To Collection €	

Description	Qty	Unit	Rate	Amount
COLLECTION Page No. 12/1 Page No. 12/2 (42) INTERNAL WALL FINISHES Carried to Summary				
12/3				

(42) INTERNAL WALL FINISHES - EXISTING

Description		Qty	Unit	Rate	Amount
<u>(42) INTERNAL WALL FINISHES - EXISTING</u>					
<u>SECTIONAL COMPLETION</u>					
A	Contractor to note that all works in this project are being completed in Sections as per Proposed Ground Floor Plan drawing T100/C; Contractor to take cognisance when pricing the items included in this element as all measurement / items included herein is for the complete Works; no claims on the grounds of want of knowledge will be entertained whatsoever	1	item		
B	Contractor must include either in this item or within their rates within this element for the Works to be completed in Sections	1	item		
<u>FLOOR, WALL & CEILING FINISHES</u>					
Painting					
<u>Internal wall painting; durable, washable and scrubbable water-based matt emulsion to fair-faced blockwork; including cleaning, removal of loose material, local filling and preparation while retaining the expressed blockwork joints; primer/sealer as required and minimum two full finishing coats in accordance with the manufacturer's recommendations; colours to the Architect's selection; Contractor to submit proposals and samples for approval;</u>					
<u>Walls</u>					
C	Exceeding 300mm wide	231	m2		
D	Not exceeding 300mm wide	15	m		
				To Collection €	

Description	Qty	Unit	Rate	Amount
COLLECTION Page No. 13/1 (42) INTERNAL WALL FINISHES - EXISTING Carried to Summary				

Description		Qty	Unit	Rate	Amount
<u>(43) FLOOR FINISHES</u>					
<u>SECTIONAL COMPLETION</u>					
A	Contractor to note that all works in this project are being completed in Sections as per Proposed Ground Floor Plan drawing T100/C; Contractor to take cognisance when pricing the items included in this element as all measurement / items included herein is for the complete Works; no claims on the grounds of want of knowledge will be entertained whatsoever	1	item		
B	Contractor must include either in this item or within their rates within this element for the Works to be completed in Sections	1	item		
<u>NOTES</u>					
C	1.The Tenderer is advised that the following measurements and descriptions are to be read in conjunction with the Architects and Structural Engineers Drawings and Specifications		note		
D	2. The tenderer is referred to the Architect's Drawings and Specification which accompany this document. All descriptions shall be read in conjunction with this information and included in the rates.		note		
E	3. Power floated and screeded concrete floor slabs are to be finished to a sufficient level to obviate the necessity for the spreading of levelling compounds for all floor coverings measured within this element. Should it arise that it becomes necessary to spread levelling compounds as a preliminary to laying the floor finishes, the cost of this work will be deemed to be included in the prices against the various items of work of floor finishes		note		
F	4. The Contractor is to include in his tender for properly curing and drying out concrete ground floor slabs within the limits of the building programme to attain minimum moisture content as recommended by the manufacturers of the relevant sheet and brush applied floor coverings measured within this element; if these moisture levels are not achieved at the time of laying, then the contractor will be required to apply an approved patent trowel applied damp proof membrane over the slab and patent self levelling screed over same at his own expense		note		
G	5. The Contractor is solely responsible for ensuring that the concrete floor slabs are sufficiently dried out before any floor finishes are laid		note		
				To Collection €	

	Description	Qty	Unit	Rate	Amount
(Cont)	NOTES				
A	6.The Contractor is solely responsible for testing, monitoring and all measures necessary to ensure concrete and screed substrates achieve a relative humidity of not more than 75% RH, when tested using an insulated surface hygrometer, or any lower limit stipulated by the floor-finish and adhesive manufacturers, before commencing floor finishes. WOODWORK Boarding and Second Fixings Medium density fibreboard (MDF) skirtings; General requirements: Ac_05_50_91/340 Timber sourcing; Manufacturer: Medite FR Clear or equal approved; Class: To BS EN 622-5, Class MDF. Class E1 formaldehyde content; Profile: As per architects drawings; Height: As per architects drawings; Thickness: As per architects drawings; Finish: Primed and painted with selected Dulux Trade Satinwood; Colour: To be agreed with architect; Execution: Pr_35_90_43/606 Installing wood mouldings and trims; as per Architects Specification Skirtings		note		
B	Generally; 110mm high x 19mm thick	294	m		
				To Collection €	

Description		Qty	Unit	Rate	Amount
FLOOR, WALL & CEILING FINISHES					
Flexible Sheet Finishes					
<u>Linoleum Sheet Flooring: Marbled linoleum sheet floor covering, 2.5mm thick, complying with EN ISO 24011 and Use Class 34/43 to EN ISO 10874, laid to areas hatched red on the Architect's finishes plan; minimum performance requirements to include slip resistance classification R9, dry pendulum test value ≥ 50, coefficient of friction ≥ 0.30, recycled content $\geq 43\%$, impact sound reduction $\geq 5\text{dB}$ to EN ISO 717-2, reaction to fire Class Cfl-s1 to EN 13501-1, thermal conductivity not exceeding $0.17\text{W/m}\cdot\text{K}$ and flexibility test diameter $\leq 40\text{mm}$ to BS EN ISO 24344; include all substrate preparation, compatible adhesive, welded joints, coving, edgings, trims, junctions and associated accessories required for a complete installation; skirtings measured separately; colour and pattern to Architect's approval; contractor to submit product data, samples and installation proposals for approval before procurement; install in accordance with the approved manufacturer's recommendations and Architect's Specification</u>					
Floors					
A	Exceeding 300mm wide; Hatched Red on Architect's Floor Type Plan T-104 - To select colour	428	m2		
B	Exceeding 300mm wide; Hatched Red on Architect's Floor Type Plan T-104 - To select colour - Existing Library	31	m2		
C	Exceeding 300mm wide; Hatched Red on Architect's Floor Type Plan T-104 - To select colour - Existing Multi Purpose Room	20	m2		
<u>Vinyl sheet floor covering, 2.0mm thick, laid to areas hatched green on the Architect's finishes plan; minimum performance requirements to include slip resistance classification R10 to DIN 51130; include all substrate preparation, smoothing compounds, compatible adhesive, welded joints, coving, edgings, trims, junctions and associated accessories required for a complete installation; skirtings measured separately; colour and pattern to Architect's approval; contractor to submit product data, samples and installation proposals for approval before procurement; install in accordance with the approved manufacturer's recommendations and Architect's specification</u>					
Floors					
D	Exceeding 300mm wide; Hatched Green on Architect's Floor Type Plan T-104 - To select colour	36	m2		
				To Collection €	

	Description	Qty	Unit	Rate	Amount
	(Cont) FLOOR, WALL & CEILING FINISHES (Cont) Flexible Sheet Finishes <u>(Cont) Vinyl sheet floor covering, 2.0mm thick, laid to areas hatched green on the Architect's finishes plan; minimum performance requirements to include slip resistance classification R10 to DIN 51130; include all...</u> Skirtings <i>PVC cove skirting formed using the specified floor-covering material turned up the walls to provide a 150mm-high upstand matching the adjoining flooring; securely bond to the background and cove former using compatible adhesive, with the top edge straight and parallel to the floor and neatly fitted into a matching capping seal; accurately form and mitre all internal and external corners and hot-weld all joints in accordance with the approved manufacturer's instructions; include all cove formers, capping seals, adhesives, welded joints, trims and associated accessories required for a complete installation; colour to Architect's approval; contractor to submit product data, samples and installation proposals for approval before procurement; install in accordance with the approved manufacturer's recommendations and Architect's Specification</i>				
A	Girth not exceeding 300mm; Skirting to Store Room <u>Safety vinyl sheet floor covering, 2.0mm thick, laid to areas hatched blue on the Architect's finishes plan; minimum performance requirements to include slip resistance classification R10 and slip resistance value (SRV) ≥36, with enhanced slip resistance classification R11/Class B in barefoot areas; include all substrate preparation, smoothing compounds, compatible adhesive, welded joints, coving, edgings, trims, junctions and associated accessories required for a complete installation; colour and pattern to Architect's approval; contractor to submit product data, samples and installation proposals for approval before procurement; install in accordance with the approved manufacturer's recommendations and Architect's specification.</u> Floors	18	m		
B	Exceeding 300mm wide; Hatched blue on Architect's Floor Type Plan T-104 - To select colour	47	m2		
To Collection €					

	Description	Qty	Unit	Rate	Amount
	(Cont) FLOOR, WALL & CEILING FINISHES (Cont) Flexible Sheet Finishes <u>(Cont) Safety vinyl sheet floor covering, 2.0mm thick, laid to areas hatched blue on the Architect's finishes plan; minimum performance requirements to include slip resistance classification R10 and slip resistance value (SRV) ≥36...</u> Skirtings <i>PVC cove skirting formed using the specified floor-covering material turned up the walls to provide a 150mm-high upstand matching the adjoining flooring; securely bond to the background and cove former using compatible adhesive, with the top edge straight and parallel to the floor and neatly fitted into a matching capping seal; accurately form and mitre all internal and external corners and hot-weld all joints in accordance with the approved manufacturer's instructions; include all cove formers, capping seals, adhesives, welded joints, trims and associated accessories required for a complete installation; colour to Architect's approval; contractor to submit product data, samples and installation proposals for approval before procurement; install in accordance with the approved manufacturer's recommendations and Architect's Specification</i>				
A	Girth not exceeding 300mm <u>Safety vinyl sheet floor covering, 2.0mm thick, laid to areas hatched orange on the Architect's finishes plan; minimum slip resistance classification R12 to DIN 51130 and Class C for barefoot areas to DIN 51097; include all substrate preparation, smoothing compounds, compatible adhesive, welded joints, coving, edgings, trims, junctions and associated accessories required for a complete installation; colour and pattern to Architect's approval; contractor to submit product data, samples and installation proposals for approval before procurement; install in accordance with the approved manufacturer's recommendations and Architect's specification.</u>	60	m		
B	Floors Exceeding 300mm wide; Hatched Orange on Architect's Floor Type Plan T-104 - To select colour	10	m2		
				To Collection €	

	Description	Qty	Unit	Rate	Amount
	(Cont) FLOOR, WALL & CEILING FINISHES				
	(Cont) Flexible Sheet Finishes				
	<u>(Cont) Safety vinyl sheet floor covering, 2.0mm thick, laid to areas hatched orange on the Architect's finishes plan; minimum slip resistance classification R12 to DIN 51130 and Class C for barefoot areas to DIN 51097; include all...</u>				
	Skirtings				
	<i>PVC cove skirting formed using the specified floor-covering material turned up the walls to provide a 150mm-high upstand matching the adjoining flooring; securely bond to the background and cove former using compatible adhesive, with the top edge straight and parallel to the floor and neatly fitted into a matching capping seal; accurately form and mitre all internal and external corners and hot-weld all joints in accordance with the approved manufacturer's instructions; include all cove formers, capping seals, adhesives, welded joints, trims and associated accessories required for a complete installation; colour to Architect's approval; contractor to submit product data, samples and installation proposals for approval before procurement; install in accordance with the approved manufacturer's recommendations and Architect's Specification</i>				
A	Girth not exceeding 300mm	12	m		
	<u>Safety vinyl sheet floor covering, 2.0mm thick, laid to areas hatched purple on the Architect's finishes plan; minimum slip resistance classification R11/R12 to DIN 51130; include all substrate preparation, smoothing compounds, compatible adhesive, welded joints, coving, edgings, trims, junctions and associated accessories required for a complete installation; colour and pattern to Architect's approval; contractor to submit product data, samples and installation proposals for approval before procurement; install in accordance with the approved manufacturer's recommendations and Architect's specification.</u>				
	Floors				
B	Exceeding 300mm wide; Hatched Purple on Architect's Floor Type Plan T-104 - To select colour	18	m2		
				To Collection €	

	Description	Qty	Unit	Rate	Amount
	(Cont) FLOOR, WALL & CEILING FINISHES (Cont) Flexible Sheet Finishes <u>(Cont) Safety vinyl sheet floor covering, 2.0mm thick, laid to areas hatched purple on the Architect's finishes plan; minimum slip resistance classification R11/R12 to DIN 51130; include all substrate preparation, smoothing...</u> Skirtings <i>PVC cove skirting formed using the specified floor-covering material turned up the walls to provide a 150mm-high upstand matching the adjoining flooring; securely bond to the background and cove former using compatible adhesive, with the top edge straight and parallel to the floor and neatly fitted into a matching capping seal; accurately form and mitre all internal and external corners and hot-weld all joints in accordance with the approved manufacturer's instructions; include all cove formers, capping seals, adhesives, welded joints, trims and associated accessories required for a complete installation; colour to Architect's approval; contractor to submit product data, samples and installation proposals for approval before procurement; install in accordance with the approved manufacturer's recommendations and Architect's Specification</i>				
A	Girth not exceeding 300mm <u>Vinyl tile or plank floor covering, 2.2mm thick, laid to areas hatched yellow on the Architect's finishes plan; include all substrate preparation, smoothing compounds, compatible adhesive, setting out, cutting, joints, edgings, trims, junctions and associated accessories required for a complete installation; colour, pattern and laying arrangement to Architect's approval; contractor to submit product data, samples and installation proposals for approval before procurement; install in accordance with the approved manufacturer's recommendations and Architect's specification</u> Floors	16	m		
B	Exceeding 300mm wide; Hatched Yellow on Architect's Floor Type Plan T-104 - To select colour	21	m2		
To Collection €					

Description		Qty	Unit	Rate	Amount
(Cont) FLOOR, WALL & CEILING FINISHES					
(Cont) Flexible Sheet Finishes					
<u>Entrance Matting System: Recessed, heavy-duty entrance matwell system comprising double wiper strips and anodized aluminium scraper bars; overall thickness 17 mm; compliant with BS 7953:1999. Include proprietary matwell frame, trims, junctions, accessories, cutting and fitting complete. Contractor to submit proposals for approval prior to procurement. Install in accordance with the approved system manufacturer's recommendations and Architect's Specification</u>					
Floors					
A	approx size: 1750 x 3000mm; rectangular shape	3	nr		
<u>PAINTING & DECORATING</u>					
Painting					
<u>Prepare and apply a proprietary waterborne satin paint system to internal MDF and non-resinous softwood/hardwood joinery, including cleaning, rubbing down, stopping, knotting where required, priming, undercoating and all finishing coats necessary to achieve a uniform satin finish; colour to be agreed; Contractor to submit product and coating-system proposals for approval prior to commencement; all in accordance with the approved manufacturer's recommendations and Architect's Specification</u>					
General Surfaces					
B	Girth not exceeding 300mm; Skirtings	294	m		
				To Collection €	

Description	Qty	Unit	Rate	Amount
COLLECTION				
Page No. 14/1				
Page No. 14/2				
Page No. 14/3				
Page No. 14/4				
Page No. 14/5				
Page No. 14/6				
Page No. 14/7				
Page No. 14/8				
(43) FLOOR FINISHES Carried to Summary				

Description		Qty	Unit	Rate	Amount
FLOOR, WALL & CEILING FINISHES					
Suspended Ceilings					
Modular tile-and-rail suspended ceiling system; horizontal or pitched as indicated on the Architect's Proposed Ceiling Plan; complete proprietary demountable ceiling system mechanically suspended from and fixed to the timber roof joists or supporting structure; ceiling levels and slopes as indicated; system performance to Ss_30_25_22/205, /210, /220, /225, /230, /260 and /290; Contractor to submit coordinated proposals for the Architect's approval, including manufacturer, tile dimensions and thickness, product data, samples, edge profile, grid arrangement, suspension system, corrosion-resistance classification and certification demonstrating compliance with the specified performance requirements; ceiling tiles with fine-textured, moisture-resistant bright-white finish; sound absorption Class A to EN ISO 11654 and sound attenuation performance of 35 dB to EN ISO 717-1, with the applicable acoustic rating confirmed in the submission; humidity resistance up to 100% RH; reaction-to-fire classification to EN 13501-1 to be confirmed by the Architect; include main runners, cross tees, hangers, brackets, perimeter trims, edge battens where detailed, hold-down clips, support framing, additional framing around services, access panels, openings, cut tiles, junctions, abutments and making good; samples required under Ss_30_25_22/305; installation to Ss_30_25_22/615, /620, /625 and /680; clean, inspect and verify completed installation and provide product data, DoP, certification and operation and maintenance information under Ss_30_25_22/820, /830 and /895; all in accordance with Architect's Drawings S381_T-105, S381_T-300, S381_T-301 and S381_T-302 and the Architect's Specification					
Ceilings; fixed below roof structure					
A	Horizontally; 3150mm above FFL; depth of Suspension exceeding 150 mm but not exceeding 500 mm	374	m2		
B	Horizontally; 5620mm above FFL; depth of Suspension exceeding 150 mm but not exceeding 500 mm	80	m2		
C	Sloping from 3830mm to 5835mm above FFL; depth of Suspension exceeding 150 mm but not exceeding 500 mm	112	m2		
Sundries					
D	White perimeter trim securely fastened at 450 mm maximum centres and within 75mm from the ends	453	m		
E	Edge battens; Material: To BS EN 942, planed softwood, class J10; Finish: Primed and painted; Profile: Rectangular; Size: 50x50mm; as per Architects Specification	453	m		
				To Collection €	

Description	Qty	Unit	Rate	Amount
COLLECTION Page No. 15/1 Page No. 15/2 (45) CEILING FINISHES Carried to Summary				
15/3				

(45) CEILING FINISHES - EXISTING

Description	Qty	Unit	Rate	Amount
(45) CEILING FINISHES - EXISTING				
SECTIONAL COMPLETION				
Contractor to note that all works in this project are being completed in Sections as per Proposed Ground Floor Plan drawing T100/C; Contractor to take cognisance when pricing the items included in this element as all measurement / items included herein is for the complete Works; no claims on the grounds of want of knowledge will be entertained whatsoever	1	item		
Contractor must include either in this item or within their rates within this element for the Works to be completed in Sections	1	item		
NOTES				
1.This element has been measured from the relevant Architect's Drawings together with Engineers Drawings		note		
2. The tenderer is referred to the Architect's Drawings and Specification which accompany this document. All descriptions shall be read in conjunction with this information and included in the rates.		note		
To Collection €				

Description		Qty	Unit	Rate	Amount
<u>FLOOR, WALL & CEILING FINISHES</u>					
Suspended Ceilings					
Modular tile-and-rail suspended ceiling system; horizontal or pitched as indicated on the Architect's Proposed Ceiling Plan; complete proprietary demountable ceiling system mechanically suspended from and fixed to the timber roof joists or supporting structure; ceiling levels and slopes as indicated; Contractor to submit coordinated proposals for the Architect's approval, including manufacturer, tile dimensions and thickness, product data, samples, edge profile, grid arrangement, suspension system, corrosion-resistance classification and certification demonstrating compliance with the specified performance requirements; ceiling tiles with fine-textured, moisture-resistant bright-white finish; sound absorption Class A to EN ISO 11654 and sound attenuation performance of 35 dB to EN ISO 717-1, with the applicable acoustic rating confirmed in the submission; humidity resistance up to 100% RH; reaction-to-fire classification to EN 13501-1 to be confirmed by the Architect; include main runners, cross tees, hangers, brackets, perimeter trims, edge battens where detailed, hold-down clips, support framing, additional framing around services, access panels, openings, cut tiles, junctions, abutments and making good; clean, inspect and verify completed installation and provide product data, DoP, certification and operation and maintenance information ; all in accordance with Architect's Drawings S381 T-105, S381 T-300, S381 T-301 and S381 T-302 and the Architect's Specification Ceilings; fixed below roof structure <i>Replacement Ceilings to Library, Existing Multipurpose Room & Lobby</i>					
A	Horizontally; 3150mm above FFL; depth of Suspension exceeding 150 mm but not exceeding 500 mm	69	m2		
Sundries					
B	White perimeter trim securely fastened at 450 mm maximum centres and within 75mm from the ends	60	m		
C	Edge battens; Material: To BS EN 942, planed softwood, class J10; Finish: Primed and painted; Profile: Rectangular; Size: 50x50mm; as per Architects Specification	60	m		
				To Collection €	

Description	Qty	Unit	Rate	Amount
COLLECTION Page No. 16/1 Page No. 16/2 (45) CEILING FINISHES - EXISTING Carried to Summary				
16/3				

Description	Qty	Unit	Rate	Amount
<u>(47) ROOF FINISHES</u>				
<u>SECTIONAL COMPLETION</u>				
Contractor to note that all works in this project are being completed in Sections as per Proposed Ground Floor Plan drawing T100/C; Contractor to take cognisance when pricing the items included in this element as all measurement / items included herein is for the complete Works; no claims on the grounds of want of knowledge will be entertained whatsoever	1	item		
Contractor must include either in this item or within their rates within this element for the Works to be completed in Sections	1	item		
<u>NOTES</u>				
1. The Tenderer is referred to the drawings and specifications which accompany this document. All descriptions shall be read in conjunction with this information.		note		
2. The Tenderer is to provide all fittings, support etc. which may be necessary to complete the works. The Contractor is required to liaise and coordinate with other trades to provide and fix all such fixings as may be necessary for his installation.		note		
3. The Tenderer shall examine all surfaces which are to come in contact with his installation and insure their suitability prior to installing roof coverings.		note		
To Collection €				

Description	Qty	Unit	Rate	Amount
ROOFING, CLADDING & WATERPROOFING- PITCHED ROOFS				
Rigid Sheet Coverings and Decking				
Double-skin insulated metal roof panel system; self-supporting profiled metal-faced panels incorporating 150 mm rigid insulation, CFC- and HCFC-free, to mono-pitch roofs; external finish and colour to the Architect's selection; panel lengths, profiles and joint arrangements to suit the detailed roof geometry and pitches; fixed to supporting steel purlins at 1200 mm centres as detailed by the Engineer, with additional supports where required by the approved panel system. Including delivery, unloading, storage, lifting, positioning, temporary protection and installation, setting out, cutting and fitting; proprietary primary and stitching fasteners, washers, seals, sealant tapes, profiled fillers and insulated closures; fully sealed side and end laps; ridge, verge, eaves and abutment flashings; junctions with parapets, fascias, gutters, rooflights, adjoining roofs and existing construction; weatherproof collars and flashings to scheduled service penetrations; maintaining continuity of insulation, airtightness and vapour control throughout; accommodating thermal movement and isolating dissimilar materials; making good damaged protective finishes and replacing damaged panels; cleaning and removal of debris on completion. Contractor to submit complete system proposals for approval including panel specifications, samples, coordinated installation drawings, fixing and support requirements, thermal calculations, fire and acoustic performance certification, wind-load resistance and suitability for the specified roof pitches; installation and inspection in accordance with the approved manufacturer's recommendations; including watertightness checks, warranties, maintenance information and completion certification; all in accordance with Architect's Roof Plan S381_T-101, detail drawings S381_T-300, S381_T-301 and S381_T-302 and the Engineer's drawings and specification.				
To Collection €				

Description	Qty	Unit	Rate	Amount
(Cont) ROOFING, CLADDING & WATERPROOFING- PITCHED ROOFS (Cont) Rigid Sheet Coverings and Decking Performance: 25 years; Structural Performance: 25 years; Execution: Air Tightness: Air leakage rate of 3m3/hr/m2 at 50Pa. Additional Butyl seals to be provided in strict accordance with Manufacturer's specifications and details. Internal face of panel to be air sealed along the full length by an unbroken run of 6mm diameter butyl rubber sealant tape, Class A. Side joint to be hand seamed at ridge, eaves and end laps prior to power seaming in both directions immediately after panel is fastened to purlins; Service Penetrations: Where service penetrations are not fully detailed, the Contractor should, as a minimum, allow for all necessary flashings and sealants to provide a fully weathertight and air tight joint seal. All vertical penetrations should include for a Chinese hat detail that provides a minimum 100mm overlap and protection to the vertical upstand which shall be a minimum of 200mm above the roof level finish. Horizontal joints (ie: to rear of mono pitch roofs) should have as a minimum a 150mm tightly fixed overlap and seal to any penetrations; The Contractor shall ensure that all penetrations slope away from the opening in the building fabric; The Contractor shall schedule all service penetrations by number on the roof and provide written signed schedule of inspection and compliance sign off of same to the ER, a minimum of eight weeks before substantial completion Acoustic Requirements: The acceptable level of intrusion noise must not exceed 35dB for the entire roofing element of each building. The location and detail of rooflights shall be taken into account when calculating this requirement. Obtain written confirmation from the manufacturer that their rooflights can meet this acoustic requirement. Deflection of metal roof cladding/covering; Roof covering: Maximum permitted deflection under distributed loads as a multiple of span and due to; Dead load: L/500; Dead and imposed loads: L/200; Dead and wind loads: L/90. Actual roof slope on completion after allowing for all deflections including structural deflection shall be a minimum of 6.5 ° Integrity of Cladding/Covering; Requirement: Determine profiles, sizes and thicknesses of sheets, the sizes, number and spacing of fixings, configuration and location of spacer systems and incorporation of other accessories and fittings to ensure cladding/ covering system will resist factored dead, imposed and design live loads, and accommodate deflections and thermal movements without				
To Collection €				

Description	Qty	Unit	Rate	Amount
(Cont) ROOFING, CLADDING & WATERPROOFING- PITCHED ROOFS (Cont) Rigid Sheet Coverings and Decking damage, in accordance with BS 5427 -1; Primary fasteners: Not to be subjected to any bending moment; Wind loads: Calculate to BS 6399-2, Standard Method and BS 5427-1 appropriate to location, exposure, height, building shape and size, taking account of existing and known future adjacent structures; Imposed roof load (no access): As determined from BS 6399 -3 and BS 5427 -1; Permanent imposed roof loads: Refer to Structural and Mechanical/Electrical Specifications; Temporary imposed roof loads: Refer to Structural and Mechanical/Electrical Specifications; Water Penetration; Requirement: Under site exposure conditions, moisture must not penetrate onto internal surfaces, or into cavities not designed to be wetted. Avoidance of Interstitial Condensation; Requirement: Determine interstitial condensation risk of cladding/ covering system using the method described in BS 5250 Appendix D. If necessary, provide a vapour control layer to ensure that damage and nuisance from interstitial condensation does not occur. Outdoor psychrometric conditions (notional): To BS 6229, table A.1 as follows; Winter Summer; Temperature -5 degrees 18 degrees; Relative humidity 90% 65%; Vapour pressure 0.36 kPa 1.34 kPa; Indoor psychrometric conditions (notional): As follows Temperature: 20°C; Relative humidity: 50%; Vapour pressure: 1.17 kPa; Calculated amount of winter interstitial condensate (maximum): 0.35; Winter interstitial condensate: Calculated amount (maximum): 0.35 kg/m2; Calculated annual net retention: Nil.; Provide evidence of compliance with required specification in writing on completion of the works.				
To Collection €				

Description	Qty	Unit	Rate	Amount
(Cont) ROOFING, CLADDING & WATERPROOFING- PITCHED ROOFS (Cont) Rigid Sheet Coverings and Decking Avoidance of Surface Condensation: Requirement: Determine surface condensation risk of cladding/ covering system using the method described in BS EN ISO 13788. If necessary, revise thermal insulation to provide satisfactory temperature factor (min). Ensure that damage and nuisance from surface condensation does not occur.; Manufacturers Site Inspection: The manufacturer of the roofing system shall inspect the works regularly during the course of the works, starting within 1 week after roof work commences a minimum of 6 on site interim inspections and 1 before substantial completion. Fully detailed technical inspection reports (including reference photographs) and sign off sheets by the manufacturer, showing compliance with their specifications, recommendations and installation in accordance with their Technical Design Manuals shall be furnished to the ER within 3 days of each site visit , together with any remedial works identified by the manufacturer that may need to be carried out by the Contractor. Final inspection shall be carried out at the direction of the ER and before substantial completion of the main contract. The manufacturer shall issue documentation in writing that the installation has been correctly installed in accordance with the Technical Design Manuals and is waterproof.; System completion: Certification: Upon completion of the works and four weeks prior to substantial completion, the Contractor shall submit the following items in writing as evidence of compliance with specification: Fully detailed technical inspection reports and sign off sheets by the roofing manufacturer, showing compliance with their specifications, recommendations and installation in accordance with their Technical Design Manuals as per clause Manufacturers Site Inspections; Calculation sheets for number				
To Collection €				

Description		Qty	Unit	Rate	Amount
(Cont) ROOFING, CLADDING & WATERPROOFING- PITCHED ROOFS					
(Cont) Rigid Sheet Coverings and Decking					
<u>requirement and location of all fixing systems; Copy of all warranties, certificates and guarantees relating to the installed components for thermal, coating and structural aspects of the system. 40 Years for the panel and installation of the roofing system; Verification in writing from the roofing manufacturer that the contractor is licenced to install the system and has received the appropriate training to erect and install the roofing system in accordance with the manufacturer's detailed drawings and specifications; BCAR Ancillary Cert Cs (CIF - 01) to be completed and signed by the roofing subcontractor; Compliance with LPCB Certificate No. 260A/24 & 186A/24; Infrared thermography test results and report in accordance with DoES TGD; Airtightness test results and report; Please note that some of these items are also required prior to site start; Compliance with HSA Code of Practice for Safety in Roofwork; Roof Maintenance Manual: Provide the following to the ER: List of contractor, manufacturers, suppliers for all materials and accessories, including emergency contact numbers for leaks; Fully detailed maintenance schedules incorporating checklists and timetables of items to be checked monthly, quarterly, annually, etc; Simple Maintenance record forms to help keep maintenance records in good order; ER compliance requirements for maintaining warranties; Labelling: When the roofing cladding to this building is completed, a label identifying the insulated panels is to be fitted. This label illustrates the type of Insulated panels fitted, to aid Insurers, Fire Officers, Owners and Occupiers identify the envelope composition. It is a recommendation of the manufacturers Product Guarantee that the insulated panel identification label, which will have a specific project registration number, is installed in an agreed location. The project architect, roofing subcontractor or owner should locate these labels in an appropriate and accessible location on the building; as per Architects Specification</u> Roof coverings					
A	Sloping; Area exceeding 300mm wide	307	m2		
				To Collection €	

	Description	Qty	Unit	Rate	Amount
	(Cont) ROOFING, CLADDING & WATERPROOFING- PITCHED ROOFS				
	(Cont) Rigid Sheet Coverings and Decking				
	Proprietary pressed-metal box gutters to double-skin insulated metal roofs; factory-coated finish in RAL colour to the Architect's selection; profiles and dimensions to suit the detailed roof arrangement and required drainage capacity; including support brackets, stop ends, corners, sealed joints, movement provisions, outlets and overflow provisions, with weatherproof connections to roof panels and adjoining flashings; laid to falls towards outlets; Contractor to submit proposals for approval, including material, thickness, dimensions installed in accordance with the roofing manufacturer's recommendations and Architect's drawings and details. Gutters A Girth 750mm - 900mm; Preformed Polyester powder-coated aluminium verge detailing to insulated metal roofs; profiles and girths to suit the Architect's details, colour to the Architect's selection; including verge supports, channels, 2 mm thick pressed aluminium soffit, drip angles, closure flashings, additional insulation, fixings and sealed joints; compatible non-hardening sealant at soffit-to-gutter junctions where applicable; Contractor to submit proposals for approval; all in accordance with the roofing manufacturer's recommendations, Architect's drawings S381_T-300, S381_T-301 and S381_T-302 Verges B Girth 750 - 900mm Polyester powder-coated pressed metal mono-ridge flashing to insulated metal roof; extended to meet the composite timber-framed wall and formed with a drip; profiles and girths to suit the Architect's details, RAL colour to the Architect's selection; including supports, concealed fixings, profiled fillers, sealed laps, closures and weatherproof junctions; Contractor to submit proposals for approval; all in accordance with the roofing manufacturer's recommendations and Architect's Drawing S381_T-300, Detail 5, read in conjunction with Detail 6. Ridges C Girth 750-900mm	27	m		
		23	m		
		27	m		
To Collection €					

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) ROOFING, CLADDING & WATERPROOFING- PITCHED ROOFS</u>				
	(Cont) Rigid Sheet Coverings and Decking				
	<u>Rainwater downpipe penetrations through gutter system; complete with proprietary weather collars, flashings, sealed outlets, removable connections and covers where detailed; including brackets, fixings and sealing around penetrations to maintain waterproofing and airtightness; Contractor to submit proposals for approval; all in accordance with the roofing manufacturer's recommendations and the Architect's drawings and details.</u>				
	Collars around pipes, standards and the like				
A	Generally	2	nr		
	<u>Flexible Sheet Metal Coverings</u>				
	<u>Powder-coated pressed metal closing piece to underside of canopy roof at junction between cedar timber sheeting and gutter; colour to the Architect's selection; including supporting grounds, concealed fixings, corners, returned edges, sealed joints and weatherproof connections to adjoining materials; Contractor to submit proposals for approval; installed in accordance with the manufacturer's recommendations and the Architect's drawings and specification</u>				
B	Girth 600mm - 700mm; Horizontal	27	m		
	<u>ROOFING, CLADDING & WATERPROOFING- FLAT ROOFS</u>				
	Mastic Asphalt, Waterproof and Gas proof Non-Metal Flexible Sheet Coverings				
	<u>Warm-roof reinforced bitumen membrane system; Paralon or similar approved system; complete two-layer waterproof covering and reinforced modified-bitumen vapour control layer; (PIR insulation and plywood substrate measured elsewhere in this element) complete roof assembly to achieve maximum U-value 0.14 W/m²K, supported by thermal calculations; including compatible primers, adhesives, fixings and sealed laps; abutments, rooflight kerbs and recessed gutter channels measured separately as extra-over items; Contractor to submit complete system proposals for approval; installed in accordance with the manufacturer's recommendations and Architect's Roof Plan S381_T-101 and detail drawings S381_T-300, S381_T-301 and S381_T-302</u>				
	Roofing; laid to falls				
C	Area exceeding 300mm	427	m2		
To Collection €					

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) ROOFING, CLADDING & WATERPROOFING- FLAT ROOFS</u> <u>(Cont) Mastic Asphalt, Waterproof and Gas proof Non-Metal Flexible Sheet Coverings</u> <u>(Cont) Warm-roof reinforced bitumen membrane system; Paralon or similar approved system; complete two-layer waterproof covering and reinforced modified-bitumen vapour control layer; (PIR insulation and plywood substrate...</u> <u>(Cont) Roofing; laid to falls</u>				
A	Extra over roofing membrane system for forming angles at roof abutments and upstands; including angle fillets, additional reinforcing membrane and continuous sealed dressings in accordance with the approved system manufacturer's recommendations; all as detailed on Architect's drawings S381_T-300, S381_T-301 and S381_T-302	70	m		
B	Extra over warm-roof system for forming recessed gutter channel, 300 mm wide × 100 mm deep below adjacent finished roof level; including local adjustment of insulation and plywood substrate, forming falls to outlets, additional reinforcing membrane and continuous waterproof lining dressed into rainwater outlets; including all supports, joints and terminations; all in accordance with the approved roofing system manufacturer's recommendations and Architect's Drawing S381_T-302, Detail 18.	132	m		
C	Extra over bitumen roof covering for forming a continuous watertight junction with existing flat-roof finish; including carefully cutting back existing covering, preparing and priming retained surfaces, additional compatible bitumen membrane strips, sealed laps and making good; maintaining continuity of waterproofing, insulation and vapour control layers where disturbed; jointing method to suit the existing roof covering and approved roofing system manufacturer's recommendations; Contractor to submit junction proposals for approval; all in accordance with the Architect's drawings and specification	1	item		
To Collection €					

Description	Qty	Unit	Rate	Amount
(Cont) ROOFING, CLADDING & WATERPROOFING- FLAT ROOFS				
(Cont) Mastic Asphalt, Waterproof and Gas proof Non-Metal Flexible Sheet Coverings				
<u>Flat-roof abutments to walls and parapets; 50 mm thick insulation to upstand faces, with compatible vapour control layer turned up behind and sealed to maintain continuity; two-layer reinforced bitumen waterproofing, Paralon or similar approved system, dressed up abutments; including angle fillets, reinforcing strips, sealed laps and lead cover flashings dressed beneath DPC or metal cappings where detailed; Contractor to submit proposals for approval; installed in accordance with the manufacturer's recommendations and Architect's detail drawings S381_T-300, S381_T-301 and S381_T-302.</u>				
Upstands; Flat Roof abutment to parapet				
A Flat-roof abutments to walls and parapets at the high-level flat roof above the central activity space; girth 300–450 mm; including compatible vapour control layer dressed up behind 50 mm thick insulation to upstand faces, with two-layer reinforced bitumen waterproofing dressed up and sealed at terminations; individual layer girths to suit detailed upstand heights, laps and junctions; all in accordance with the approved roofing system manufacturer's recommendations and Architect's detail drawings S381_T-300, S381_T-301 and S381_T-302.	35	m		
B Flat-roof abutments to walls and parapets at lower-level flat roofs; girth 300–450 mm; comprising compatible vapour control layer dressed up behind 50 mm thick insulation to upstand faces and two-layer reinforced bitumen waterproofing dressed up and sealed at terminations; including all necessary laps and junctions; all in accordance with the approved roofing system manufacturer's recommendations and Architect's detail drawings S381_T-300, S381_T-301 and S381_T-302.	77	m		
To Collection €				

	Description	Qty	Unit	Rate	Amount
	(Cont) ROOFING, CLADDING & WATERPROOFING- FLAT ROOFS (Cont) Mastic Asphalt, Waterproof and Gas proof Non-Metal Flexible Sheet Coverings Flat-roof abutments around rooflight kerbs; 50 mm thick insulation to upstand faces, with compatible vapour control layer turned up behind and sealed to maintain continuity; two-layer reinforced bitumen waterproofing, Paralon or similar approved system, dressed up kerbs; including angle fillets, reinforcing strips, internal and external corner dressings, sealed laps and lead cover flashings dressed beneath DPC and rooflight flashings as detailed; Contractor to submit proposals for approval; installed in accordance with the manufacturer's recommendations and Architect's Drawing S381_T-302, Detail 18. Upstands; Flat Roof abutment to wall				
A	Flat-roof abutments around rooflight kerbs; girth 450–550 mm; including compatible vapour control layer dressed up behind 50 mm thick insulation to upstand faces, angle fillets and two-layer reinforced bitumen waterproofing dressed up kerbs <u>Flexible Sheet Metal Coverings</u> Pressed aluminium cover flashings to surrounds of rooflight; 3 mm thick with polyester powder-coated finish, colour to the Architect's selection; profiles and girths to suit rooflight kerbs; including corners, bends, laps, sealed joints and fixings, coordinated with DPC and roof waterproofing; Contractor to submit proposals for approval; all in accordance with Architect's Drawing S381_T-302, Detail 18. <i>Flashings</i>	12	m		
B	Girth not exceeding 400mm; vertical; twice folded Polyester powder-coated pressed metal copings to high-level roof parapets; 3 mm thick, profiles and girths to suit the Architect's details; colour to the Architect's selection; including marine-grade plywood grounds supporting copings along their entire length, on timber furring pieces laid to 1:20 fall, with 10 mm ventilation space and insect mesh over DPC; complete with concealed clips and fixings, corners, stop ends and sealed joints; including access for high-level installation; Contractor to submit proposals for approval; all in accordance with the Architect's drawings and Specification <i>Copings</i>	12	m		
C	Girth not exceeding 1000mm; Horizontal to falls; 5 times folded	37	m		
To Collection €					

Description	Qty	Unit	Rate	Amount
(Cont) ROOFING, CLADDING & WATERPROOFING- FLAT ROOFS (Cont) Mastic Asphalt, Waterproof and Gas proof Non-Metal Flexible Sheet Coverings <u>(Cont) Flexible Sheet Metal Coverings</u> Milled lead sheet; to BS 1178; Code 5; all as Architects Drawing and specification <i>Flashings</i> flashing and cover flashing to junction of flat roof and wall; 76mm lapped joints; 250 girth; bends - 2; fixed with galvanised nails; including forming groove in masonry wall; continous dpc flashing and cover flashing to junction of flat roof and Rooflight; 76mm lapped joints; 250 girth; bends - 2; fixed with galvanised nails; including forming groove in masonry wall; continous dpc <u>Proprietary rainwater outlets within concealed gutters to lower-level flat roofs; spigot or screw-threaded connections, sizes and outlet direction to suit connecting pipework; complete with domed leaf guards, suitable adaptors, support plates where required and sealed connections to gutter waterproofing; Contractor to submit proposals for approval; installed in accordance with the manufacturer's recommendations and the Architect's drawings and specification</u> Like Items; Outlets Generally <u>Proprietary rainwater outlets; aluminium rainwater corner outlet through parapet, complete with pressed aluminium rainwater hopper, 250 × 250 × 100 mm; including supports, fixings, sealed connections to gutter lining and roof waterproofing, and connection to rainwater downpipe; Contractor to submit proposals for approval; installed in accordance with the manufacturer's recommendations and the Architect's drawings and details</u> Like Items; Outlets Generally	77 12 9 2	m m nr nr		
To Collection €				

	Description	Qty	Unit	Rate	Amount
WOODWORK					
BOARDING AND SECOND FIXINGS					
<u>Marine-grade plywood; 18 mm thick to flat-roof areas, laid over 150 mm PIR insulation and mechanically fixed through insulation to supporting roof structure; including suitable length fixings, supported board joints, cutting and fitting at perimeters, rooflights and penetrations; all in accordance with Architect's detail drawings S381_T-300, S381_T-301 and S381_T-302.</u>					
<u>Boarding to flat roof areas on & through e.m 150mm PIR Insulation</u>					
A	Area exceeding 300mm	427	m2		
Ironmongery, Accessories and Sundries					
<u>Polyisocyanurate (PIR) flat-roof insulation; 150 mm thick rigid boards with foil facings, CFC- and HCFC-free, to all bitumen-covered flat roofs; boards closely butt-jointed with staggered joints, including cutting and fitting at perimeters, rooflights and penetrations, and compatible adhesives or fixings to the approved warm-roof system requirements; Contractor to submit proposals for approval; all in accordance with Architect's Roof Plan S381_T-101, detail drawings S381_T-300, S381_T-301 and S381_T-302 and Specification</u>					
Insulation; Thermal					
B	Exceeding 300mm	427	m2		

To Collection €

Description		Qty	Unit	Rate	Amount
<u>FASCIAS</u>					
Flexible Sheet Metal Coverings					
<u>Powder-coated pressed metal fascias with standing-seam finish; colour to the Architect's selection; supported on (e.m) 18 mm marine-grade plywood fixed to timber framing in accordance with the Engineer's details; including all grounds, supports, concealed fixings, corners, drips, trims and weatherproof junctions with roof coverings, gutters and soffits; Contractor to submit proposals for approval; installed in accordance with the manufacturer's recommendations and the Architect's drawings and specification</u>					
A	Standard vertical fascia; overall developed girth 580 mm; polyester powder-coated finish in RAL colour to be selected by the Architect; comprising 75 mm horizontal section laid to falls and clipped over supporting structure at concealed gutter, 455 mm vertical face and 50 mm bottom returned drip ; including supporting grounds, concealed clips, fixings, laps, sealed joints and weatherproof junctions with gutter and roof coverings; all in accordance with Architect's Drawing S381_T-300, Detail 1	45	m		
B	Stepped fascia; overall developed girth 875 mm, not exceeding 1,000 mm; comprising 400 mm front face, 75 mm horizontal step, 350 mm lower face and 50 mm returned drip ; including connections to parapet construction and copings, supporting grounds, fixings, laps, sealed joints and weatherproof junctions; all in accordance with Architect's Drawing S381_T-300, Detail 8	28	m		
<u>SOFFITS</u>					
Boarding and Second Fixing					
<u>Cedar timber soffit cladding; 100 × 25 mm shiplap boards with stained finish to the Architect's selection; secret-fixed using stainless steel fixings; including all 50 × 38 mm pressure-impregnated treated timber battens, additional grounds and supports secured to the roof structure; complete with cutting, joints, corners, perimeter trims</u>					
C	Sloping; exceeding 300mm; to covered secure play areas	84	m2		
D	Horizontal; exceeding 300mm; to covered entrance at GD01	33	m2		
E	Horizontal; exceeding 300mm; (non covered areas)	28	m2		
				To Collection €	

Description		Qty	Unit	Rate	Amount
<u>(Cont) SOFFITS</u>					
Painting and Decorating					
<u>Painting</u>					
Staining to cedar timber soffit sheeting; UV-protective oil stain in colour to the Architect's selection; including surface preparation, treatment of cut ends and application of minimum three coats in accordance with the manufacturer's recommendations; Contractor to submit proposals and samples for approval; all in accordance with the Architect's drawings and specification.					
<i>General Surfaces</i>					
A	exceeding 300mm; cedar soffits	145	m2		
				To Collection €	

Description	Qty	Unit	Rate	Amount
COLLECTION				
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(47) ROOF FINISHES				
Carried to Summary				

(5-) MECHANICAL INSTALLATIONS - RMCE CONSULTANTS

Description		Qty	Unit	Rate	Amount
(5-) MECHANICAL INSTALLATIONS - RMCE CONSULTANTS					
<u>Drawings</u>					
A	For layout and positions; refer to RMCE tender drawings				
<u>PRELIMINARIES</u>					
B	Contract preliminaries	1	item		
C	Covid-19	1	item		
D	Bcar requirements	1	item		
<u>GAS SERVICES</u>					
E	SUPPLY AND INSTALLATION OF MECHANICAL PROTECTION FOR GAS PIPE EXTERNALLY	1	item		
F	SUPPLY AND INSTALL GAS DETECTION SYSTEM, SLAM SHUT VALVE, LOCK STOPS ETC	1	item		
G	ATTENDENCE TO LPG GAS SUPPLIER	1	item		
H	SUPPLY AND INSTALLATION OF MECHANICAL PROTECTION FOR GAS PIPE EXTERNALLY	1	item		
I	SUPPLY AND INSTALLATION OF GAS (DIGITAL) METER	1	item		
<u>ABOVE GROUND SOILS AND WASTE</u>					
J	SUPPLY AND INSTALL EXTERNAL METAL FOUL DRAINAGE PIPEWORK INC BRACKETS/FIXINGS	1	item		
K	SUPPLY AND INSTALL INTERNAL UPVC FOUL DRAINAGE PIPEWORK	1	item		
L	SUPPLY AND INSTALL CONDENSATE DRAINAGE PIPEWORK FROM BOILERS	1	item		
M	SUPPLY AND INSTALL CONDENSATE AND DEFROST DRAINAGE FROM HEAT PUMP	1	item		
N	FIT AND CONNECT ALL SANITARYWARE, SINKS & FIXTURES (ALL SUPPLIED FREE ISSUE BY THE MAIN CONTRATOR)	1	item		
O	SUPPLY AND INSTALLATION OF WASTES AND TRAPS	1	item		
P	SUPPLY AND INSTALL CONDENSATE DRAINAGE PIPEWORK FROM BOILERS	1	item		
Q	SUPPLY AND INSTALL CONDENSATE AND DEFROST DRAINAGE FROM HEAT PUMP	1	item		
				To Collection €	

(5-) MECHANICAL INSTALLATIONS - RMCE CONSULTANTS

	Description	Qty	Unit	Rate	Amount
	<u>FIRE SERVICES</u>				
A	SUPPLY AND INSTALL FIRE EXTINGUISHERS / BLANKETS/ FRAMES / SIGNAGE	1	item		
	<u>HEATING SERVICES</u>				
B	SUPPLY AND INSTALLATION OF GAS FIRED BOILERS X 2	1	item		
C	SUPPLY AND INSTALLATION OF INTERNAL AND EXTERNAL TWIN WALLED FLUES INC BRACKETRY, FITTINGS ETC	1	item		
D	SUPPLY AND INSTALLATION OF EXPANSION VESSEL, INC VALVES, FITTINGS ETC	1	item		
E	SUPPLY AND INSTALLATION OF CIRCULATION PUMPS, INC VALVES, FITTINGS ETC	1	item		
F	SUPPLY AND INSTALLATION OF RADIANT PANELS INCLUDING PIPE CONNECTIONS, TRV'S, SUPPORTS,	1	item		
G	ALTERATION TO THE EXISTING LOW LOSS HEADER, PIPEWORK, VALVES, FITTINGS AND INSULATION	1	item		
H	ALLOW FOR PAINTING OF PIPEWORK	1	item		
I	ALLOW FOR RE-PAINTING OF BOILER HOUSE AFTER WORKS	1	item		
J	SUPPLY AND INSTALLATION OF AIR SOURCE HEAT PUMP SYSTEM	1	item		
K	SUPPLY AND INSTALLATION OF BUFFER VESSEL, INC VALVES, FITTINGS ETC	1	item		
L	SUPPLY OF INHIBITOR INTO THE HEATING SYSTEM	1	item		
M	SUPPLY AND INSTALLATION OF ALL 2-PORT VALVES, MOTORISED VALVES AND TEMPERATURE STATS	1	item		
N	SUPPLY AND INSTALL NEW LPG GAS FIRED WATER HEATER, ACCESSORIES & FLUE	1	item		
	<u>VENTILATION SYSTEMS</u>				
O	SUPPLY AND INSTALLATION OF LOCAL EXTRACT VENTILATION & HRU UNITS INCLUDING DUCTING AND LOUVRES	1	item		
P	SUPPLY AND INSTALLATION OF ALL GRILLES, VALVES AND DIFFUSERS	1	item		
Q	SUPPLY AND INSTALLATION OF KITCHEN CANOPY	1	item		
				To Collection €	

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) VENTILATION SYSTEMS</u>				
A	ALLOW FOR CONNECTION TO KITCHEN CANOPY	1	item		
B	SUPPLY AND INSTALLATION OF FIRE / FIRE SMOKE DAMPERS	1	item		
C	SUPPLY AND INSTALLATION OF ALL VENTILATION CONTROLS	1	item		
	<u>WATER SERVICES</u>				
D	SUPPLY AND INSTALLATION OF COMPLETE MAINS WATER SERVICES PIPEWORK	1	item		
E	SUPPLY AND INSTALL OF HOT & COLD WATER SERVICES PIPEWORK INC WATER METER	1	item		
F	SUPPLY AND INSTALL OF ALL PIPEWORK VALVES, SUPPORTS, FITTINGS ETC	1	item		
G	SUPPLY AND INSTALLATION OF WATER SERVICES PIPEWORK INSULATION	1	item		
H	ALLOW FOR CONNECTION OF WATER SERVICES TO ALL SANITARY WARE	1	item		
I	SUPPLY AND INSTALLATION OF A COLD WATER STORAGE TANK, DRIP TRAY ETC	1	item		
J	SUPPLY AND INSTALLATION OF TMV3 ANTI-SCALD VALVES	1	item		
K	SUPPLY AND INSTALLATION OF SECONDARY RETURN PUMP	1	item		
	<u>TESTING & COMMISSIONING</u>				
L	TEST AND COMMISSION HEATING SERVICES INSTALLATION	1	item		
M	TEST AND COMMISSION HEATING SERVICES INSTALLATION	1	item		
N	TEST AND COMMISSION GAS SYSTEMS	1	item		
O	TEST AND COMMISSION ABOVE GROUND DRAINAGE	1	item		
P	TEST AND COMMISSION VENTILATION SYSTEMS	1	item		
Q	TEST AND COMMISSION WATER SERVICES SYSTEMS	1	item		
R	ALL OTHER TESTING TO COMPLETE THE MECHANICAL INSTALLATION	1	item		
				To Collection €	

(5-) MECHANICAL INSTALLATIONS - RMCE CONSULTANTS

[illegible]

(5-) MECHANICAL INSTALLATIONS - RMCE CONSULTANTS

Description	Qty	Unit	Rate	Amount
COLLECTION Page No. 18/1 Page No. 18/2 Page No. 18/3 Page No. 18/4 (5-) MECHANICAL INSTALLATIONS - RMCE CONSULTANTS Carried to Summary				

Description	Qty	Unit	Rate	Amount
COLLECTION Page No. 19/1 (52) RAINWATER & DISPOSALS Carried to Summary				

(6-) ELECTRICAL INSTALLATIONS - RMCE CONSULTANTS

Description		Qty	Unit	Rate	Amount
<u>(6-) ELECTRICAL INSTALLATIONS - RMCE CONSULTANTS</u>					
<u>Drawings</u>					
A	For layout and positions; refer to RMCE tender drawings				
<u>PRELIMINARIES</u>					
B	Contract preliminaries	1	item		
C	Bcar requirements	1	item		
<u>SWITCHGEAR & CONTAINMENT</u>					
D	alterations to existing main switchboard	1	item		
E	supply and install sdb1	1	item		
F	supply and install cable trays	1	item		
G	supply and install cable trunking	1	item		
H	supply and install conduits	1	item		
I	disconnection of existing redundant services	1	item		
<u>GENERAL SERVICES</u>					
J	supply and install wall mounted socket and spur outlets	1	item		
K	supply and install dado mounted sockets	1	item		
L	supply and install power supplies	1	item		
M	cabling to final circuits	1	item		
N	supply and install disabled alarm	1	item		
O	supply and install dado trunking	1	item		
P	supply and install induction loop	1	item		
Q	supply and install fire mans switch	1	item		
R	supply and install solar pv installation	1	item		
S	supply and install ev car charging installation	1	item		
T	supply and install panic alarm system	1	item		
U	supply and install cabling to treatment plant	1	item		
				To Collection €	

(6-) ELECTRICAL INSTALLATIONS - RMCE CONSULTANTS

	Description	Qty	Unit	Rate	Amount
	<u>LIGHTING INSTALLTION</u>				
A	supply and installation light switches, retractive switches and pirs	1	item		
B	supply light type a	1	item		
C	supply light type a1	1	item		
D	supply light type b	1	item		
E	supply light type c	1	item		
F	supply light type uv light	1	item		
G	supply light type e	1	item		
H	supply light type em	1	item		
I	supply light type ex1	1	item		
J	supply light type x	1	item		
K	install light type a	1	item		
L	install light type a1	1	item		
M	install light type b	1	item		
N	install light type c	1	item		
O	install light type uv light	1	item		
P	install light type em	1	item		
Q	install light type ex1	1	item		
R	install light type x	1	item		
S	cabling from switchboard to final circuits	1	item		
	<u>FIRE ALARM INSTALLATION (SPECIALIST SUBCONTRACTOR)</u>				
T	supply and install fire alarm panel and repeater panel	1	item		
U	supply and install field devices	1	item		
V	cabling of field devices to the fire alarm panel	1	item		
W	fire alarm interfaces and networking to panels	1	item		
X	fire alarm drawings	1	item		
Y	commissioning, handover documents and certification	1	item		

To Collection €

(6-) ELECTRICAL INSTALLATIONS - RMCE CONSULTANTS

	Description	Qty	Unit	Rate	Amount
	<u>DATA INSTALLATION</u>				
A	supply and installation of comms cabinets	1	item		
B	installation of wall mounted data outlets	1	item		
C	installation of dado mounted data outlets	1	item		
D	supply and install data cabling	1	item		
E	supply and install fibre cabling	1	item		
F	supply and install fibre switches, patch panels	1	item		
G	testing of data cabling	1	item		
H	supply and install wiring associated with soundfield system	1	item		
I	supply and install tv outlets	1	item		
	<u>EARTHING & BONDING</u>				
J	earthing and bonding of all boards	1	item		
K	earthing and bonding of all ductwork and steelwork	1	item		
L	earthing and bonding of all pipe work	1	item		
	<u>MECHANICAL WIRING</u>				
M	power wiring to mechanical services	1	item		
N	control wiring to mechanical services	1	item		
	<u>SECURITY INSTALLATION</u>				
O	supply & install intruder alarm system panel and devices	1	item		
P	intruder alarm system cabling	1	item		
Q	supply and install cctv	1	item		
R	cctv cabling	1	item		
S	door access system wiring	1	item		
T	door access controls system	1	item		
U	supply and install panic alarm system	1	item		
V	supply and install intercom system	1	item		
				To Collection €	

(6-) ELECTRICAL INSTALLATIONS - RMCE CONSULTANTS

Description		Qty	Unit	Rate	Amount
<u>ANY OTHER ITEMS (FILL AS REQUIRED)</u>					
A	lightning protection installation	1	item		
<u>TESTING & COMISSIONING</u>					
B	allow for testing & comissioning	1	item		
<u>O&M MANUALS</u>					
C	supply of o&m manuals	1	item		
<u>AS INSTALLED DRAWINGS</u>					
D	Asbuilt drawings	1	item		
				To Collection €	

Description	Qty	Unit	Rate	Amount
COLLECTION Page No. 20/1 Page No. 20/2 Page No. 20/3 Page No. 20/4 (6-) ELECTRICAL INSTALLATIONS - RMCE CONSULTANTS Carried to Summary				
20/5				

(6-) M&E BUILDERS WORK IN CONNECTION - RMCE CONSULTANTS

Description		Qty	Unit	Rate	Amount
<u>(6-) M&E BUILDERS WORK IN CONNECTION - RMCE CONSULTANTS</u>					
<u>Information</u>					
A	For a detailed description of materials and workmanship, contractors are to refer to RMCE drawings and specifications for details on m&E services				
B	The Contractor is deemed to have reviewed all of the Mechanical and Electrical Engineer's Drawings in association with the Architect's Drawings and satisfied himself with the works.				
<u>Builders Work M&E Installations</u>					
C	All openings in walls / floors to be firestopped and sealed accordingly and must be certified on completion to the satisfaction of the Architect.	1	item		
D	Do not cut or drill units except as recommended or agreed by Architect and Engineers recommendations.	1	item		
E	Install plywood fixing grounds for mounting radiators – 600 x 600mm; qty. as per drawings	1	item		
F	Install plywood fixing grounds for electrical points as they occur – 200 x 100mm; qty. as per drawings	1	item		
G	Form 1000mm x 450mm x 100mm concrete plinth for mounting external heat pump unit in rear garden; dish concrete into 600mm long ACO channel in centre of plinth and pipe to surface water drainage system.	1	item		
<u>Preliminaries</u>					
H	These attendances are required by the mechanical and electrical sub-contractors				
I	The Mechanical & Electrical contractors shall insure that the main contractor has allowed provision to accommodate all the attendances and builders work requirements of the Mechanical & Electrical contractors. Otherwise the Mechanical & Electrical contractor must include for the works. No variations costs will be entertained in relation to the above.				
J	The list below is non-exhaustive and the Electrical sub-contractor must ensure that all builders works requirements are included and priced at tender stage				
K	The electrical contractors must visit site prior to tender to familiarise themselves with the works as described				
				To Collection €	

(6-) M&E BUILDERS WORK IN CONNECTION - RMCE CONSULTANTS

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) Preliminaries</u>				
A	Any discrepancies, please notify the design team for clarification. Include the following General Attendances				
	Include for the following special attendances				
B	Scaffolding (Fixed & Mobile) as necessary	1	item		
C	Provide access to the site.	1	item		
D	Include for unloading, distributing, hoisting and placing in position, items as scheduled.	1	item		
E	Provide covered storage for major items of plant delivered to site.	1	item		
F	Provide temporary power and lighting.	1	item		
G	Include for protecting the works	1	item		
H	Provide Craneage for lifting items of plant, ductwork, pipe work, control panels, generator etc	1	item		
I	Disposal of wastes, refuse and construction debris.	1	item		
J	Provide for adequate site security to ensure materials on site remain on site and remain in good order	1	item		
K	Liaising with sub-contractors in accordance with their contract program and obtaining 'Marked up, detailed dimensioned drawings from the sub-contractors illustrating exact locations etc. co-coordinating same	1	item		
L	Provide a month by month program detailing the Mechanical and Electrical services activities	1	item		
M	Be responsible for heating / drying out the building as and when necessary to comply with their program. This may be done (at the clients specific consent) with the installed conventional heating system (if available). Be responsible maintaining background heat until the building is handed over to the client, after the heating system has been commissioned.	1	item		
N	Mark up all external services for As Fitted purposes and include 2 No. copies within the Health & Safety File	1	item		
	<u>Lifting & Hoisting</u>				
O	Over and above preliminaries given for the overall project, allow for lifting, hoisting or moving into position, the following				
P	Gas Fired Boiler (100kg each 1240*740*1858mm LWH)	1	nr		
				To Collection €	

(6-) M&E BUILDERS WORK IN CONNECTION - RMCE CONSULTANTS

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) Lifting & Hoisting</u>				
A	Solar Panels (25kg each 2000*1000mm)	10	nr		
B	Water Tank Sections - 50Kg Each	15	nr		
C	Heat Pump (500kg; 1600*1000mm)	1	nr		
	<u>Concrete Work</u>				
	Note				
D	Include for fire stopping around cable tray, ductwork, pipes and pipe sleeves to same standard as fire rating of structure where services are penetrating. Refer to Fire Certificate Drawings for indication of Fire Compartments.		note		
	Generally				
E	150mm diameter cores in walls for cabling	10	nr		
F	100mm diameter cores in walls for cabling	20	nr		
G	100mm diameter cores in floors for cabling	6	nr		
H	150mm diameter cores in walls for pipework	10	nr		
I	400x300x100mm high concrete bases for EV charging point	3	nr		
J	2000x1500x150mm high plinth for Heat Pump	1	nr		
	<u>Blockwork & Brickwork</u>				
	Notes				
K	The main contractor to include for fire stopping around cable tray, ductwork, pipes and pipe sleeves to same standard as fire rating of structure where services are penetrating				
L	The main contractor to allow for service opening through the internal and external block walls				
	General Builders Work in Connection				
M	Firestopping pipework 25mm	60	nr		
N	Fire Stopping around cable trays 300x150mm	20	nr		
O	Forming Opes for Electrical Services, cable trays etc, 150x75mm	20	nr		
P	Opes for Cables, 25mmØ	100	nr		
				To Collection €	

(6-) M&E BUILDERS WORK IN CONNECTION - RMCE CONSULTANTS

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) Blockwork & Brickwork</u>				
	(Cont) General Builders Work in Connection				
A	Chasing of walls for electrical wall lights, sockets and accessories 25x25mm	120	m		
B	Fire Stopping of 25mmØ Ope	20	nr		
	<u>Flooring</u>				
C	Refer to drawing M-400 for internal drainage pipework in ground floor slab which will require floor chasing.	1	item		
	<u>Woodwork</u>				
D	Provide 200x200 grounds for recessed lights and fire alarm devices in ceilings	1	item		
E	Provide 2500mmx2000 timber base in the attic for a water tank (1000 kg)	1	item		
	<u>Painting & Decorating</u>				
	Allow for painting associated with the Mechanical & Electrical Installations as follows				
F	Allow for painting of exposed steel conduits	20	m		
	<u>Ceilings</u>				
	Allow for removal and re-instatement of ceilings to accommodate the Mechanical & Electrical Installations as follows;				
G	Allow for removal and re-installing ceiling in corridors to facilitate installation of pipework and cabling in the existing school. Refer to drawings M-100, M-300 and E-300	1	item		
				To Collection €	

(6-) M&E BUILDERS WORK IN CONNECTION - RMCE CONSULTANTS

[illegible]

	Description	Qty	Unit	Rate	Amount
	<u>(74) SANITARY FITTINGS</u>				
	<u>SECTIONAL COMPLETION</u>				
A	Contractor to note that all works in this project are being completed in Sections as per Proposed Ground Floor Plan drawing T100/C; Contractor to take cognisance when pricing the items included in this element as all measurement / items included herein is for the complete Works; no claims on the grounds of want of knowledge will be entertained whatsoever	1	item		
B	Contractor must include either in this item or within their rates within this element for the Works to be completed in Sections	1	item		
	<u>GENERAL GLAZING</u>				
	Special Glazing				
	<u>Mirrors; to toilet areas, sizes and locations as indicated on the Architect's drawings; 6 mm thick silvered safety glass, Class 3 to BS EN 12600, complying with BS 6262-4 and BS 6262-6; clear, undistorted reflection, free from visible defects; polished edges with 6 mm bevel; complete with backing board and compatible mirror adhesive securely fixing to wall; including preparation of backgrounds and associated sealants; Contractor to submit proposals for approval</u>				
	Mirrors				
C	Mirror; 515 x 950mm x 6mm thick; silvered 6mm float glass ; adhered to wall	5	nr		
	<u>FITTINGS</u>				
	Fittings, Equipment and Furniture				
	<u>Provide and fit the following Sanitary fittings; include for all screws, washers etc; all fixings; all as per Architects Sanitary ware Schedule and Specification N13</u>				
	Fittings; Staff WC's x 2				
D	Accessible close-coupled WC suite; white vitreous china pan with horizontal outlet, complete with compatible cistern, flushing mechanism and accessible flush control; toilet seat without cover, with top-fixing hinges and retaining buffers; right- or left-hand arrangement to suit the room layout; including pan connector, floor fixings, seals and associated fittings; Contractor to submit proposals for the Architect's approval; all in accordance with Architect's Sanitaryware Schedule S381_T603 and Drawing S381_T-701	2	nr		
To Collection €					

Description	Qty	Unit	Rate	Amount
(Cont) FITTINGS (Cont) Fittings, Equipment and Furniture <u>(Cont) Provide and fit the following Sanitary fittings; include for all screws, washers etc; all fixings; all as per Architects Sanitary ware Schedule and Specification N13</u> (Cont) Fittings; Staff WC's x 2				
A Wash-hand basin; white vitreous china, 500 mm wide, countertop type as scheduled; one tap hole; complete with chrome self-closing push-button basin mixer with variable temperature control, 15 mm flexible inlet connections and flow regulated to a maximum of 3.7 litres/minute; separate 15 mm thermostatic mixing valve; 1¼-inch chrome-plated brass strainer waste with 80 mm slotted tail; compatible trap, supports, brackets, fixings, seals and associated fittings; Contractor to submit proposals for the Architect's approval; all in accordance with Architect's Sanitaryware Schedule S381_T603 and Drawing S381_T-701. Fittings; Changing Places Toilet	2	nr		
B Accessible close-coupled WC suite; white vitreous china pan with horizontal outlet, complete with compatible cistern, flushing mechanism and accessible flush control; toilet seat without cover, with top-fixing hinges and retaining buffers; peninsular arrangement as detailed; including pan connector, floor fixings, seals and associated fittings; Contractor to submit proposals for the Architect's approval; all in accordance with Architect's Sanitaryware Schedule S381_T603 and Drawing S381_T-701.	1	nr		
C Wash-hand basin; white vitreous china, 500 mm wide, countertop type as scheduled; one tap hole; complete with chrome self-closing push-button basin mixer with variable temperature control, 15 mm flexible inlet connections and flow regulated to a maximum of 3.7 litres/minute; 1¼-inch chrome-plated brass strainer waste with 80 mm slotted tail; compatible trap, supports, brackets, fixings, seals and associated fittings; Contractor to submit proposals for the Architect's approval; all in accordance with Architect's Sanitaryware Schedule S381_T603 and Drawing S381_T-701 Fittings; Ambulant Disabled WC	1	nr		
D Accessible close-coupled WC suite; white vitreous china pan with horizontal outlet; complete with compatible cistern, flushing mechanism, toilet seat and cover with slow-close hinges; including pan connector, floor fixings, seals and associated fittings; configuration and installation height as detailed; Contractor to submit proposals for the Architect's approval; all in accordance with Architect's Sanitaryware Schedule S381_T603 and Drawing S381_T-701	1	nr		
To Collection €				

Description	Qty	Unit	Rate	Amount
(Cont) FITTINGS (Cont) Fittings, Equipment and Furniture <u>(Cont) Provide and fit the following Sanitary fittings; include for all screws, washers etc; all fixings; all as per Architects Sanitary ware Schedule and Specification N13</u> (Cont) Fittings; Ambulant Disabled WC				
A Wash-hand basin; white vitreous china, 500 mm wide, countertop type as scheduled; one tap hole; complete with chrome self-closing push-button basin mixer with variable temperature control, 15 mm flexible inlet connections and flow regulated to a maximum of 3.7 litres/minute; separate 15 mm thermostatic mixing valve; 1¼-inch chrome-plated brass strainer waste with 80 mm slotted tail; compatible trap, supports, brackets, fixings, seals and associated fittings; Contractor to submit proposals for the Architect's approval; all in accordance with Architect's Sanitaryware Schedule S381_T603 and Drawing S381_T-701. Fittings; Independent Use WC	1	nr		
B Accessible close-coupled WC suite; white vitreous china pan with horizontal outlet; complete with compatible cistern, flushing mechanism, toilet seat and cover with slow-close hinges; including pan connector, floor fixings, seals and associated fittings; configuration and installation height as detailed; Contractor to submit proposals for the Architect's approval; all in accordance with Architect's Sanitaryware Schedule S381_T603 and Drawing S381_T-701	1	nr		
C Wash-hand basin; white vitreous china, 500 mm wide, countertop type as scheduled; one tap hole; complete with chrome self-closing push-button basin mixer with variable temperature control, 15 mm flexible inlet connections and flow regulated to a maximum of 3.7 litres/minute; separate 15 mm thermostatic mixing valve; 1¼-inch chrome-plated brass strainer waste with 80 mm slotted tail; compatible trap, supports, brackets, fixings, seals and associated fittings; Contractor to submit proposals for the Architect's approval; all in accordance with Architect's Sanitaryware Schedule S381_T603 and Drawing S381_T-701. Fittings; Shower & WC	1	nr		
D Accessible close-coupled WC suite; white vitreous china pan with horizontal outlet; complete with compatible cistern, flushing mechanism, toilet seat and cover with slow-close hinges; including pan connector, floor fixings, seals and associated fittings; configuration and installation height as detailed; Contractor to submit proposals for the Architect's approval; all in accordance with Architect's Sanitaryware Schedule S381_T603 and Drawing S381_T-701	1	nr		
22/3 To Collection €				

Description	Qty	Unit	Rate	Amount
(Cont) FITTINGS (Cont) Fittings, Equipment and Furniture <u>(Cont) Provide and fit the following Sanitary fittings; include for all screws, washers etc; all fixings; all as per Architects Sanitary ware Schedule and Specification N13</u> (Cont) Fittings; Shower & WC				
A Wash-hand basin; white vitreous china, 500 mm wide, countertop type as scheduled; one tap hole; complete with chrome self-closing push-button basin mixer with variable temperature control, 15 mm flexible inlet connections and flow regulated to a maximum of 3.7 litres/minute; separate 15 mm thermostatic mixing valve; 1¼-inch chrome-plated brass strainer waste with 80 mm slotted tail; compatible trap, supports, brackets, fixings, seals and associated fittings; Contractor to submit proposals for the Architect's approval; all in accordance with Architect's Sanitaryware Schedule S381_T603 and Drawing S381_T-701.	1	nr		
B Assisted-showering chromeware assembly; chrome finish; manual sequential thermostatic control with extended lever handle, TMV3 approved for anti-scald protection; dual outlets comprising fixed tamper-proof shower head and accessible handheld shower on an 800 mm slide rail with extra-long 2000 mm flexible hose; 15 mm flexible inlet connections; including brackets, fixings, seals and associated fittings; Contractor to submit proposals for the Architect's approval; all in accordance with Architect's Sanitaryware Schedule S381_T603 and Drawing S381_T-701	1	nr		
C Shower floor drain; high-capacity, low-profile linear drain or heavy-duty floor gully as scheduled; Grade 316 or 304 stainless steel grate; complete with compatible trapped outlet, drainage connection, waterproofing flange or collar, seals and fixings; size, outlet arrangement and discharge capacity to suit the approved shower installation; coordinated with floor falls, floor finish and waterproofing system; Contractor to submit proposals for the Architect's approval; all in accordance with Architect's Sanitaryware Schedule S381_T603 and Drawing S381_T-701.	1	nr		
<u>Fittings, Equipment and Furniture</u> Provide and fit the following Accessories; include for all screws, washers etc; all fixings				
22/4 To Collection €				

Description		Qty	Unit	Rate	Amount
(Cont) FITTINGS					
(Cont) Fittings, Equipment and Furniture					
<u>(Cont) Fittings, Equipment and Furniture</u>					
Accessories					
A	Straight vertical grab rails: Accessible sanitary grab rails; straight, wall-mounted vertically; 600 mm long with 60 mm projection; white finish; including mounting plates, brackets, fixings and suitable background reinforcement; positions and mounting heights as detailed; Contractor to submit proposals for the Architect's approval; all in accordance with Architect's Sanitaryware Schedule S381_T603 and Drawing S381_T-701.	19	nr		
B	Straight horizontal grab rail: Accessible sanitary grab rail; straight, door-mounted horizontally; 600 mm long with 60 mm projection; white finish; including mounting plates, fixings and suitable reinforcement to the door; position and mounting height as detailed; Contractor to submit proposals for the Architect's approval; all in accordance with Architect's Sanitaryware Schedule S381_T603 and Drawing S381_T-701	10	nr		
C	Hinged support rails: Accessible sanitary support rails; hinged, 800 mm long × 35 mm diameter; white finish; including mounting plates, brackets, fixings and suitable background reinforcement; positions and mounting heights as detailed; Contractor to submit proposals for the Architect's approval; all in accordance with Architect's Sanitaryware Schedule S381_T603 and Drawing S381_T-701.	9	nr		
D	Powered height-adjustable folding changing bench; 1800 × 800 mm; height adjustment range 450–900 mm; certified load capacity not less than 200 kg; white finish; Doc M compliant as specified; complete with operating controls, folding mechanism, mounting brackets, fixings and associated fittings; including installation, testing and commissioning; Contractor to submit product proposals for approval; all in accordance with the Architect's Sanitaryware Schedule S381_T603 and Drawing S381_T-701.	1	nr		
E	Height-adjustable tip-up shower seat; white finish; corrosion-resistant, heavy-duty commercial-grade construction; adjustable and lockable between 450 and 480 mm in height; complete with mounting brackets, suitable background reinforcement, fixings and associated fittings; Contractor to submit proposals for the Architect's approval; all in accordance with Architect's Sanitaryware Schedule S381_T603 and Drawing S381_T-701.	1	nr		
				To Collection €	

Description		Qty	Unit	Rate	Amount
<u>(76) STORAGE, SCREENING FITTINGS - BLINDS</u>					
<u>NOTES</u>					
A	1. For details of the nature and extent of the works to be carried out in this section, the Tenderer's shall refer to all Architect's Drawings and Specifications		note		
B	2. Notwithstanding that this Bill of Quantities is measured in accordance with the Agreed Rules of Measurement, the tenderer should note the following section is not measured in strict accordance with ARM. The Tenderer must include everything necessary to complete the works as no claims on the grounds on want of knowledge will be entertained whatsoever.		note		
<u>FITTINGS</u>					
Fitting, Equipment and Furniture					
<u>Roller blinds; Description: Mechoshade manually operated units (or equivalent) with Thermoveil Shade cloth 1300 series dense basket weave sunscreen material (or similar equal Approved), 3% openness factor (9-12% visible light transmission) and manual operated shade system Mecho/5 wide bracket chain driven roller system. Standards: To BS 5867-1, BS 5867-2 and BS EN 13120. Position: Refer to Architectural Drawings; Dimensions (minimum width x depth): Refer to Architectural Drawings. Head rail: Material: Zinc plated steel. Colour: White. Blinds: Material: Polyester. Finish: Refer to Architectural Drawings. Colour: Shade cloth to be light in colour and selected by Architect. Tube: Material: Extruded aluminum. Operation: Manual, stainless steel ball chain. Testing: Solar transmittance. Appearance and tolerance. Safety factor. A test certificate as in Appendix C of Fire Safety of furnishings and fittings in place of assembly should be supplied for each item. Accessories: Powder coated steel fixing brackets. Cord or ball-chain tensioning system. Ball-chain safety connector.</u>					
Furniture, Furnishings; Manual opening mechanism					
<i>Windows</i>					
C	GW04; 4450*1835mm high	1	nr		
D	GW08; 4450*1835mm high	1	nr		
E	GW10; 3750*1800mm high	1	nr		
F	GW22; 1000*1800mm high	1	nr		
				To Collection €	

Description	Qty	Unit	Rate	Amount
(Cont) FITTINGS				
(Cont) Fitting, Equipment and Furniture				
(Cont) Roller blinds; Description: Mechoshade manually operated units (or equivalent) with Thermoveil Shade cloth 1300 series dense basket weave sunscreen material (or similar equal Approved), 3% openness factor (9-12%...				
(Cont) Furniture, Furnishings; Manual opening mechanism				
<i>Doors</i>				
GD03; 1150*2710mm high	1	nr		
GD04; 1150*2710mm high	1	nr		
GD05; 2115*2100mm high	1	nr		
<u>Roller blinds; electrically operated units installed at high level, with motorised roller mechanisms and controls accessible from floor level; dense basket-weave sunscreen fabric, 3% openness factor and 9–12% visible light transmission; polyester fabric in a light colour selected by the Architect; complying with BS 5867-1, BS 5867-2 and BS EN 13120; white zinc-plated steel headrail and extruded aluminium roller tube; complete with motors, controls, powder-coated steel brackets and all fixings; including access equipment for high-level installation, testing and commissioning; locations and dimensions to the Architect's drawings, verified on site; Contractor to submit proposals for approval, including control arrangements, fabric samples, solar performance data and fire-test certification in accordance with Appendix C of Fire Safety of Furnishings and Fittings in Places of Assembly; installed in accordance with the manufacturer's recommendations</u>				
<i>Windows</i>				
GW23; 3300*1255mm high	1	nr		
GW24; 3300*1255mm high	1	nr		
GW25; 3300*1255mm high	1	nr		
GW26; 3300*1255mm high	1	nr		
To Collection €				

Description	Qty	Unit	Rate	Amount
COLLECTION Page No. 23/1 Page No. 23/2 (76) STORAGE, SCREENING FITTINGS - BLINDS Carried to Summary				
23/3				

(76) STORAGE, SCREENING FITTINGS - FITTED FURNITURE

	Description	Qty	Unit	Rate	Amount
	<u>(76) STORAGE, SCREENING FITTINGS - FITTED FURNITURE</u>				
	<u>SECTIONAL COMPLETION</u>				
A	Contractor to note that all works in this project are being completed in Sections as per Proposed Ground Floor Plan drawing T100/C; Contractor to take cognisance when pricing the items included in this element as all measurement / items included herein is for the complete Works; no claims on the grounds of want of knowledge will be entertained whatsoever	1	item		
B	Contractor must include either in this item or within their rates within this element for the Works to be completed in Sections	1	item		
C	NOTES				
D	1. The Tenderer is advised that the use of melamine faced chip board WILL NOT be permitted in any circumstances	1	note		
E	2. General standards for materials and finishes for fitted furniture; Core Materials for laminated worktops and components - High density chipboard to IS EN 312-3 type P3, class E1 formaldehyde content; Moisture resistant board to EN 312-5 type P5, class E1 formaldehyde content; Dry Fibre Board (MDF) to IS EN 622-5 Class E1 formaldehyde content; Moisture resistant board to IS EN 622-5 MDF.H, class E1 formaldehyde content; Plywood to conform with I.S. EN 1072, I.S. EN 314 and I.S. EN 636; All the above fibre board products to be tested to EN120 to have less than 8mg/100g free formaldehyde content (Class E1). Surface preparation: Prepare surfaces in accordance with decorative coating manufacturer's recommendations	1	note		
F	3. For details of the nature and extent of the works to be carried out in this section, the Tenderer's shall refer to all Architect's Drawings and Specifications	1	note		
G	4. All timber used in the construction of FURNITURE AND FITTINGS within this section to be accredited by the Forestry Standards Council (FSC) standard for sustainable timber; Refer to Architectural Room Layouts and Room Data Sheets for details, sizes and location of Furniture and Equipment; All furniture and equipment to comply with DoES Fitted Furniture Specification and Standards; The build up of furniture listed below generally only applies to fixed furniture and use of alternative materials and finishes of equal or higher specification and performance are permitted; In all cases however fully detailed fabrication drawings at a suitable scale must be provided by the subcontractor and agreed prior to any fabrication	1	note		
To Collection €					

(76) STORAGE, SCREENING FITTINGS - FITTED FURNITURE

Description		Qty	Unit	Rate	Amount
<u>MINIMUM STANDARDS FOR MATERIALS AND FINISHES</u>					
Core material for worktops, doors and carcasses:					
A	Dry Fibre Board (MDF) to IS En 622-5 Class E1 formaldehyde content tested to EN 120. Moisture resistant board to IS EN 622-5 MDF.H, class E1 formaldehyde content tested to EN 120.	1	note		
B	Core materials to be finished with plastic laminates to comply with IS EN 438, grade HGS/HGP (including vertical panels, shelves and doors). Balancing laminate to be used in all cases.	1	note		
C	Edges of all laminates (if not postformed) to be finished with solid colour laminate (2mm thickness), PVC or hardwood edges to seal all edges.	1	note		
D	Solid timber to comply with IS EN 942, Class J10. FSC/PEFC chain of custody certification required for all timber and timber products, including MDF.	1	note		
<u>Ironmongery:</u>					
E	Stainless steel door handles, reversed fixed through doors. High quality stainless steel or nickel plated self-closing hinges (180 degrees) and high quality cylinder style lock on masterkeyed system to suit the school's requirements;	1	note		
<u>General</u>					
F	Alternative materials and finishes of equal or higher specification and performance are permitted.	1	note		
G	Drawings to be read in conjunction with specification.	1	note		
H	Minimum worktop height to be 700mm.	1	note		
				To Collection €	

Description	Qty	Unit	Rate	Amount
<u>FITTINGS</u>				
Fitting, Equipment and Furniture				
Single sink unit to Classroom Base 1 & 2, to Architect's fitted furniture drawing S381/T-700 Rev. B; overall dimensions 1800mm long × 600mm deep × 700mm high; comprising two cupboard compartments and open shelving section as detailed; 50mm high-pressure laminate worktop, curved at one end, including aluminium worktop joiners and ends where applicable; carcasses and panel sheet material manufactured from high-density, fine-surface 18mm melamine-faced chipboard (MFC), lipped on all four sides with 0.8mm ABS edging; 18mm MDF flat-panel cupboard doors with high-gloss finish and soft-closing hinges; brushed stainless steel handles, with two samples/choices provided for selection; shelving to arrangement shown; 75 × 19mm Formica-bonded MDF plinth, lipped along both long edges, fully removable and secured using clips fixed to cabinet legs; sink, waste kit and tap measured elsewhere; including necessary supports, fixings, cut-outs, service penetrations and sealing at abutments with suitable mastic sealant; water supply and drainage connections measured separately under Mechanical Services; contractor to submit coordinated workshop drawings for Architect's approval prior to manufacture; complete in accordance with the Architect's drawings and specification				
Furniture, Furnishings; Single Sink Unit				
A Classroom Base 1; Low level units; complete; overall dimension 1800 x 600 x 700mm high; worktop with ope for sink (sink e.m.); incorporating 2nr press units; all in accordance with Architect's Specification	1	nr		
B Classroom Base 2; Low level units; complete; overall dimension 1800 x 625 x 700mm high; worktop with ope for sink (sink e.m.); incorporating 2nr press units; all in accordance with Architect's Specification	1	nr		
To Collection €				

Description	Qty	Unit	Rate	Amount
(Cont) FITTINGS (Cont) Fitting, Equipment and Furniture Fitted furniture to Daily Living Skills room, to Architect's fitted furniture drawing S381/T-700 Rev. B; overall length 4450mm, with base units 600mm deep and main worktop height 900mm, including lowered worktop section as detailed; comprising base cupboards, shelving and high-level wall cupboards, with appliance spaces and arrangements as shown; 50mm high-pressure laminate worktops, including aluminium worktop joiners and ends where applicable; carcasses and panel sheet material manufactured from high-density, fine-surface 18mm melamine-faced chipboard (MFC), lipped on all four sides with 0.8mm ABS edging; 18mm MDF flat-panel cupboard doors with high-gloss finish and soft-closing hinges; brushed stainless steel handles, with two samples/choices provided for selection; wall cupboards 400mm deep x 700mm high, with shelving to arrangement shown; 75 x 19mm Formica-bonded MDF plinth, lipped along both long edges, fully removable and secured using clips fixed to cabinet legs; sink, waste kit and tap measured elsewhere; contractor to include for supply and fitting of cooker hood extractor fully integrated within the high-level furniture above the cooker, including matching housing, panels and associated integration components; white goods, including under-counter fridge, dishwasher, oven and hob, to be supplied by the Client, with fitting and connection measured separately within the Mechanical and Electrical elements; under-counter fridge and dishwasher to be fully integrated, with matching furniture door panels and associated integration components included within this item, coordinated with the selected appliances; including necessary supports, wall brackets, fixings, cut-outs, service penetrations and sealing at abutments with suitable mastic sealant; water supply, drainage and mechanical and electrical service connections measured separately under Mechanical and Electrical Services; contractor to submit coordinated workshop drawings for Architect's approval prior to manufacture; complete in accordance with the Architect's drawings and specification.				
Furniture, Furnishings; Daily living skills kitchenette A Daily Living Skills; Low level & high level units complete; overall dimension 4008 x 600 x 2100mm high; worktop with ope for sink (sink e.m.); incorporating multiple press units; all in accordance with Architect's Specification	1	nr		
To Collection €				

Description	Qty	Unit	Rate	Amount
(Cont) FITTINGS (Cont) Fitting, Equipment and Furniture Fitted furniture to Store room, to Architect's fitted furniture drawing S381/T-700 Rev. B; units 600mm deep, comprising tall storage cupboards 2100mm high, adjoining base cupboards, shelving and inset sink unit, with overall dimensions and internal arrangements as detailed; 50mm high-pressure laminate worktop, including aluminium worktop joiners and ends where applicable; carcasses and panel sheet material manufactured from high-density, fine-surface 18mm melamine-faced chipboard (MFC), lipped on all four sides with 0.8mm ABS edging; 18mm MDF flat-panel cupboard doors with high-gloss finish and soft-closing hinges; brushed stainless steel handles, with two samples/choices provided for selection; shelving to arrangement shown; 75 x 19mm Formica-bonded MDF plinth, lipped along both long edges, fully removable and secured using clips fixed to cabinet legs; inset sink, waste kit and tap measured elsewhere; cleaner's sink measured elsewhere under Mechanical Services; coordinate furniture with the adjacent cleaner's sink and associated services; including necessary supports, wall brackets, fixings, cut-outs, service penetrations and sealing at abutments with suitable mastic sealant; water supply and drainage connections measured separately under Mechanical Services; contractor to submit coordinated workshop drawings for Architect's approval prior to manufacture; complete in accordance with the Architect's drawings and specification				
Furniture, Furnishings; Store A Store; Low level & high level units complete; overall dimension 4450 x 600 x 2100mm high; worktop with ope for sink (sink e.m.); incorporating multiple press units; all in accordance with Architect's Specification	1	nr		
<u>Provide and fit the following Sanitary fittings; include for all screws, washers etc; all fixings</u>				
Sanitary Fittings B Sanitaryware by Armitage Shanks / Ideal Standard / Simmons or equivalent; Stainless steel single bowl single drainer sink; approx size 1000mm long x 450mm wide; grade 304; include 1nr tap hole; ceramic disk lever action mixer tap unit; chainstay and overflow holes; chain & plug, 52mm diameter; tubular P Type traps, 52mm diameter; sealing at abutments with mastic sealant; all in accordance with the manufacturer's instructions and Architect's Specification and Furniture Layout drawings	4	nr		
To Collection €				

(76) STORAGE, SCREENING FITTINGS - FITTED FURNITURE

Description		Qty	Unit	Rate	Amount
(Cont) FITTINGS					
(Cont) Fitting, Equipment and Furniture					
<u>Provide and fit the following Sanitary fittings; include for all screws, washers etc; all fixings</u>					
Sanitary Fittings					
A	Sanitaryware; cleaner's sink in domestic fireclay, Belfast type, 600mm wide, with depth and height to suit the Architect's details; centre end outlet and weir overflow; complete with wall-mounted hot and cold lever-operated bib taps, chrome-plated bottle trap and 1½" brass strainer waste; polished stainless steel support legs with adjustable feet, brackets and associated fixings to suit the selected sink; contractor to submit proposals for sink, taps, waste kit and support arrangement for Architect's approval; including necessary fixings and sealing at abutments; all in accordance with the Architect's specification and fitted furniture drawing S381/T-700 Rev. B	1	nr		
				To Collection €	

(76) STORAGE, SCREENING FITTINGS - FITTED FURNITURE

[illegible]

Description		Qty	Unit	Rate	Amount
<u>(10) SITE PREPARATION</u>					
<u>DEMOLITIONS AND ALTERATIONS</u>					
GENERAL					
A	^^^THE ONUS IS ON THE CONTRACTOR TO VISIT THE SITE OF THE WORKS AND TO SATISFY HIMSELF AS TO THE NATURE AND EXTENT OF THE WORKS AND ALL OTHER MATTERS THAT MIGHT INFLUENCE HIS PRICE OR TIME FOR COMPLETION OF THE WORKS (ARRANGEMENTS TO VISIT THE SITE SHOULD BE MADE WITH THE EMPLOYER'S REPRESENTATIVE). THE CONTRACTOR MUST INCLUDE WITHIN HIS PRICE FOR ALL WORKS IN CONNECTION WITH THE DEMOLITION WORKS AND WORKS TO THE EXISTING BUILDINGS, WHICH COULD BE REASONABLY FORESEEN OR IMPLIED BY THE TENDER DOCUMENTS. NO CLAIMS ON THE GROUNDS OF WANT OF KNOWLEDGE IN RESPECT OF THE ABOVE WILL BE ENTERTAINED WHATSOEVER.		item		
B	^^^All demolition work is to be carried out in accordance with BS 6187 and the Health and Safety Executive Guidance Notes GS29/1, 3 and 4; All operatives must be appropriately skilled and experienced for the type of work and must hold or be training to obtain relevant CITB Certificates of Competence; All site staff responsible for supervision and control of work are to be experienced in the assessment of the risks involved and in the methods of demolition to be used.		item		
C	^^^Demolition work is to be entrusted only to workmen with experience in this type of work, and all precautions must be taken to avoid accidents and to safeguard persons and property.		item		
D	^^^All excess builders rubble, topsoil, demolished materials etc, that is to be disposed off site, must be disposed in a licensed landfill site approved by the local authority.		item		
E	^^^The Contractor shall provide and maintain all necessary temporary fencing, hoarding, fans, planked footways, gaurdrails, gantries and the like for the protection of the Public and meeting the requirements of the Local Authority.		item		
F	^^^ The Contractor is to include for all necessary scaffolding, hoisting and other facilities required for carrying out the works. Contractor also to make provisions for adequately supporting all structures if required.		item		
G	^^^The Contractor should include herein for all costs associated with obtaining the appropriate licences, as these must be undertaken prior to any works being carried out		item		
				To Collection €	

	Description	Qty	Unit	Rate	Amount
	(Cont) DEMOLITIONS AND ALTERATIONS				
	(Cont) GENERAL				
A	^^^The Contractors attention is drawn to the presence of existing services; due care must be taken when excavating in the proximity of existing buildings and boundaries		item		
B	^^^When pricing the following items, the Contractor's attention is drawn to the information contained in the Works Requirements & Appendices of this Pricing Document. The Contractor's rates are to include for all items specifically referred to or implied therein. No claims on the grounds of want of knowledge in respect of the above will be entertained whatsoever.		item		
C	^^^The Contractor must provide a method statement to the Architect for approval, outlining in detail the manner in which he proposes to carry out the removal of the asbestos materials contained within the site.		item		
D	^^^The Contractor shall report to the Employer's Representative any bench marks or other survey information found on any structures that are to be demolished; any bench marks or information found must not be removed or destroyed unless instructed by the Employer's Representative		item		
E	^^^The Contractor must note that any work carried out to or which affects new or existing services must be in accordance with the byelaws or regulations of the relevant statutory authority		item		
F	^^^The Contractor should include herein for all costs associated with the locating and marking the positions of services affected by the demolition work; Contractor shall arrange with the appropriate authorities for the locating and marking of the positions of the mains services		item		
G	^^^The Contractor must arrange with the appropriate authorities, before demolition is commenced, for the disconnection of services and removal of fixtures, fittings, furniture and equipment		item		
H	^^^The Contractor must take adequate precautions to prevent fire or explosion caused by gas or vapour		item		
I	^^^The Contractor must reduce dust by periodically spraying general demolition works with water during any alteration works to masonry etc.		item		
J	^^^The Contractor must take adequate precautions to protect site operatives and the general public from health hazards associated with dangerous fumes and dust arising during the course of the works		item		
				To Collection €	

Description		Qty	Unit	Rate	Amount
(Cont) DEMOLITIONS AND ALTERATIONS					
(Cont) GENERAL					
A	^^^The Contractor should include herein for all costs associated with the temporary support and protection of adjoining property and buildings; Contractor must repair any damage caused at his own expense; Contractor must not leave any unnecessary or unstable projections and report any exposed or apparent defects to the Employer's Representative		item		
B	^^^The Contractor must illuminate and protect and dangerous openings as necessary		item		
C	^^^The Contractor should include herein for all costs associated with the removal of any timber infected by fungal/insect attack; the timber must be removed from the building and destroyed as soon as possible		item		
D	^^^The Contractor must include herein for submitting to the Architect / Engineer, prior to commencement, the order and method of each operation. This is to include proposed methods of propping, shoring, protection of adjoining properties, areas, etc.		item		
E	^^^The demolition shall be carried out without damage to adjoining properties. If such damage should occur, the Contractor shall reinstate and make good at his own expense.		item		
F	^^^The Contractor shall ensure the safety of works and public during demolition works. Demolition work should be carried out so as to cause minimum inconvenience to the public and to adjoining owners.		item		
G	^^^The Contractor shall include herein for clearly indicating, in writing, the manner of demolition i.e. machine, mechanical tools, piece by piece hand method etc. for each area		item		
H	^^^The Contractor must note that no method of demolition which will transmit vibration into adjoining properties shall be permitted.		item		
I	^^^The contractor must peruse the Architects and Engineers drawings and check all dimensions on site. No claim on the grounds of discrepancies between on site dimensions and drawings, in regards to demolition and associated works, will be entertained whatsoever.		item		
J	^^^The contractor must include herein for ensuring that all services, electricity, gas, telecommunications, water, sewage, etc., are made safe prior to demolition		item		
				To Collection €	

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) DEMOLITIONS AND ALTERATIONS</u>				
	<u>(Cont) GENERAL</u>				
A	^^^The contractor is to report to the Architect / Engineer details of any underground chambers, vaults, walls, etc., discovered during demolition work.		item		
B	^^^The contractor must prevent access to unauthorised persons to partly demolished structures and must leave the site safe at close of each days work.		item		
C	^^^Care must be taken to prevent debris from overloading any part of the structure		item		
D	^^^The Contractor shall ensure that the impact of the works on the surroundings are in accordance with the set maximum levels for vibration and noise as defined in the guidelines presented in the relevant codes of practice.		item		
	<u>DEMOLITIONS AND ALTERATIONS</u>				
	General Information				
	<u>Information</u>				
E	The contractor should consult with the Architect and must visit the site to ascertain the extent of the works involved under this section. No variations will be approved for works that ought to have been apparent to the contractor after a site inspection and review of the Architects drawings and specifications		note		
F	The Contractors attention is drawn to the presence of existing services; due care must be taken when excavating in the proximity of existing buildings and boundaries		note		
G	The following demolition works include for disposal off-site of debris material		note		
	<u>DEMOLITIONS AND ALTERATIONS - SITE CLEARANCE</u>				
	<u>General Clearance</u>				
H	Demolish and remove existing front entrance gate piers, each 450 × 450 × 1,100 mm high, and adjoining rendered wall section 1,600 mm long × 215 mm thick × 900 mm high to achieve revised sightlines; including careful saw-cutting at junctions with retained walls, protecting adjoining construction, grubbing up foundations, making good retained wall ends and disturbed ground, and removing all demolition materials and debris off site to an authorised disposal facility; all in accordance with the Architect's drawings and specification	1	item		
				To Collection €	

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) DEMOLITIONS AND ALTERATIONS</u>				
	<u>(Cont) DEMOLITIONS AND ALTERATIONS - SITE CLEARANCE</u>				
	<u>(Cont) General Clearance</u>				
A	Carefully take down existing 1200 mm high metal railings and gates to front entrance, including posts, frames, hinges, latches, stays, brackets and associated fixings; set aside, label and securely store for future reinstatement, elsewhere measured; including carefully cutting free from adjoining construction, breaking up concrete plinths and bases to curved pedestrian railing sections, and grubbing up post foundations without damaging items retained for reuse; remove demolition debris off site to an authorised disposal facility; all in accordance with the Architect's drawings and specification.	1	item		
B	Take down and remove existing 2000mm high metal fencing and matching double-leaf gates with timber infill cladding; including posts, frames, hinges, latches, drop bolts, stays and all associated fixings; including dismantling, breaking up concrete post bases, grubbing up foundations and removing all materials and debris off site to an authorised disposal facility; all in accordance with the Architect's drawings and specification.	1	item		
C	Take down and remove existing standalone metal clad timber shed, approximately 2,000 × 2,000 × 2,300 mm high; including roof covering, timber framing, wall cladding, floor, doors and all associated fixtures and fixings; including breaking up any concrete base and grubbing up foundations ; remove all dismantled materials and debris off site to an authorised disposal facility; all in accordance with the Architect's drawings and specification.	1	item		
D	Take down and remove 2nr existing lighting columns and light fittings serving the ball court; isolation and disconnection of electrics elsewhere measured; including removal of luminaires, brackets, columns, anchor bolts and redundant associated cabling; breaking up concrete bases and grubbing up foundations, backfilling and compacting voids; remove all dismantled materials and debris off site to authorised recycling or disposal facilities; all in accordance with the Engineer's drawings and specification.	1	item		
E	Take down and remove existing basketball court fittings, including support posts, backboards, hoops, nets, brackets, anchors and associated fixings; including breaking up concrete bases and grubbing up foundations; remove all dismantled materials and debris off site to an authorised disposal facility; all in accordance with the Architect's drawings and specification	1	item		
To Collection €					

Description		Qty	Unit	Rate	Amount
(Cont) DEMOLITIONS AND ALTERATIONS					
(Cont) DEMOLITIONS AND ALTERATIONS - SITE CLEARANCE					
<u>(Cont) General Clearance</u>					
A	Decommission and remove existing wastewater treatment plant; including isolation and disconnection of drainage and electrical services, pumping out all remaining effluent and sludge, cleaning tanks, excavation and removal of tanks, treatment equipment, redundant associated pipework, concrete cover slabs, bases and foundations; transport all effluent, sludge and demolition materials off site using authorised waste collectors to appropriately licensed waste treatment or disposal facilities, including disposal charges and waste documentation	1	item		
<u>Demolitions Generally</u>					
B	Carefully remove 2 no. existing windows to library area; including glazing, frames, opening lights, ironmongery, perimeter sealants and fixings; breaking out existing cills and associated bedding, and removing all materials and debris off site to an authorised disposal facility; all in accordance with the Architect's drawings and specification.	1	item		
C	Demolish existing internal walls highlighted on the Architect's ground floor plan adjacent to the library and existing multipurpose room; including cutting free from adjoining construction and removing associated finishes; Contractor responsible for temporary works design and all necessary propping, needling, pinning and temporary supports to maintain the stability of retained construction throughout the works; including erection, maintenance and removal of temporary supports when permanent works are complete; remove all demolition materials and debris off site to an authorised disposal facility; all in accordance with the Architect's and Engineer's drawings and specification	1	item		
D	Saw-cut and widen existing doorway to library to the dimensions indicated on the Architect's drawings; including removal of existing door, frame and associated trims where required, carefully breaking out masonry, making good and bonding blockwork to jambs as work proceeds, and supplying and installing new lintel with bearings and padstones to DFK's details; Contractor responsible for temporary works design and all necessary propping, needling and supports; including bedding, packing, grouting, making good disturbed finishes and disposal of demolition materials off site to an authorised disposal facility; all in accordance with the Architect's drawings and DFK's drawings and specification	1	item		
				To Collection €	

Description	Qty	Unit	Rate	Amount
(Cont) DEMOLITIONS AND ALTERATIONS (Cont) DEMOLITIONS AND ALTERATIONS - SITE CLEARANCE <u>(Cont) Demolitions Generally</u>				
A Form new opening in existing external wall between the existing library and multipurpose room to connect the extension to the existing building; dimensions as indicated on the Architect's drawings; including general clearance of the affected area, removal of existing ceilings and associated supports, saw-cutting neat edges, carefully breaking out masonry and finishes, and making good blockwork to jambs; leaving opening ready to receive structural beams, elsewhere measured; Contractor responsible for temporary works design and all necessary propping, needling, supports and temporary weather protection; including disposal of demolition materials and debris off site to an authorised disposal facility; all in accordance with the Architect's drawings and DFK's drawings and specification.	1	item		
Internal Alterations to Existing Substructure				
To Collection €				

Description	Qty	Unit	Rate	Amount
(Cont) DEMOLITIONS AND ALTERATIONS (Cont) Internal Alterations to Existing Substructure Breaking out existing floors and forming reinforced concrete bearing pads at new structural post locations over existing foundations and rising walls; all as indicated on DFK Sections 06, 07, 08 and 09; including setting out, locating existing services, carefully cutting and lifting floor finishes, saw-cutting slab perimeters, breaking out concrete, reinforcement, screeds, insulation and underlying fill, and excavating sufficiently to expose existing foundations and rising walls; allow for a 2,000 × 2,000 mm opening through the assumed 200 mm thick existing slab at Section 09, with actual construction and foundation details verified on site; including working space, earthwork support, dewatering, loading and disposal of all surplus excavated and demolition materials off site to authorised disposal facilities; Contractor responsible for temporary works design and all necessary propping, needling, shoring and temporary supports to maintain the stability of retained construction throughout the works; carefully reduce existing rising walls to approximately 235 mm below finished floor level where indicated, prepare and clean bearing surfaces, and make good defective or disturbed masonry before casting new bearing pads; existing foundations to be exposed for the Engineer's inspection and confirmation of suitability before proceeding; supply and construct 500 × 350 × 225 mm deep reinforced concrete bearing pads where indicated on Sections 07 and 08, concrete grade to DFK's specification; including two H16 reinforcement bars at top and two H20 bars at bottom, with 35 mm top cover and 50 mm bottom cover, reinforcement supports, spacers, formwork, placing, compaction, curing and protection; including high-strength non-shrink grout beneath baseplates, 25 mm thick where detailed, and coordination with structural post and anchor installation; at Section 09, retain the existing foundation to receive the new post connection as detailed, subject to the Engineer's confirmation; structural posts, baseplates and holding-down anchors elsewhere measured; on completion, reinstate disturbed floor construction, including Clause 808 granular fill compacted in layers, blinding where required, replacement insulation matching existing thickness and performance, and reinstatement of radon and damp-proof membranes with compatible sealed laps, tapes, junctions and collars around structural penetrations; lap and seal membranes to existing DPCs and retained membranes in accordance with the Architect's details to restore continuity; reinstate concrete floor to match existing thickness and finished levels, including A252 mesh reinforcement at the top of the replacement slab at Section 09, with cover to the Engineer's requirements; prepare retained slab edges and form connections and joints as detailed; including screed and floor-finish reinstatement to match existing, neatly jointed at retained surfaces; accommodate the 150 mm level difference and ramped				
To Collection €				

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) DEMOLITIONS AND ALTERATIONS</u> <u>(Cont) Internal Alterations to Existing Substructure</u> <u>transition shown on Section 06 where applicable, ramp extent and gradient to the Architect's details; all in accordance with DFK's referenced sections and specification and the Architect's floor construction detail</u>				
A	Formation of pad foundations over within existing building	1	item		
	<u>EXCAVATION AND EARTHWORK</u> <u>Excavation</u> <u>Removing</u> Site vegetation				
B	Generally, scrub, vegetation etc., disposing off-site	1009	m2		
	<u>Excavation</u> Topsoil for preservation				
C	Average depth approx. 200mm	1009	m2		
	Reduce levels				
D	Depth not exceeding 2.00m	1506	m3		
	<u>Extra on Excavation Items for:</u> Breaking up existing				
E	Hard surfaces; Concrete Paths; 100mm thick; complete incl Kerbs	63	m2		
F	Hard surfaces; Tarmacadam surface; 100mm thick; complete incl kerbs	790	m2		
	<i>Extra over for</i>				
G	Saw-cut existing macadam surfacing along junctions between areas to be removed and retained, to the full depth of the existing surfacing, forming a neat, straight edge; including setting out, controlling dust and slurry, and protecting retained surfacing from damage throughout the works; all in accordance with the Architect's drawings and specification.	31	m		
To Collection €					

Description		Qty	Unit	Rate	Amount
<u>(Cont) EXCAVATION AND EARTHWORK</u>					
(Cont) Excavation					
<u>Disposal</u>					
Water					
A	Surface	1	item		
B	Ground	1	item		
Excavated material; All surplus materials to be disposed of off-site to a licenced waste disposal facility granted by the EPA under Section 40 of the Waste Management Act or by the Local Authority under the Waste Facility Permit Regulations					
C	Disposal off site	1421	m3		
D	Disposal off site; existing concrete; Disposal to a suitable licensed waste disposal facility	6	m3		
E	Disposal off site; existing Tarmac; Disposal to a suitable licensed waste disposal facility	79	m3		
<u>WORK OUTSIDE THE BOUNDARY OF THE SITE</u>					
Extra Over For: -					
F	A portion of the works in this section are outside the boundary of the site; see Architect's & Engineer's Drawings	1	item		
				To Collection €	

(10) SITE PREPARATION

[illegible]

(20) SITE STRUCTURES - PERGOLA STRUCTURE

	Description	Qty	Unit	Rate	Amount
	<u>(20) SITE STRUCTURES - PERGOLA STRUCTURE</u>				
	<u>SECTIONAL COMPLETION</u>				
A	Contractor to note that all works in this project are being completed in Sections as per Proposed Ground Floor Plan drawing T100/C & compound layout drawing T-104 for phasing works ; Contractor to take cognisance when pricing the items included in this element as all measurement / items included herein is for the complete Works; no claims on the grounds of want of knowledge will be entertained whatsoever	1	item		
B	Contractor must include either in this item or within their rates within this element for the Works to be completed in Sections	1	item		
	<u>EXCAVATION AND EARTHWORK</u>				
	Excavation				
	<u>Excavation; refer to DFK Structural Drawings & specification along site investigation report ref "GI Report" for additional requirements</u>				
	Foundation Pits (Isolated pits to Pergola Area)				
C	Depth not exceeding 2.00m	5	m3		
	<u>Disposal</u>				
	Water				
D	Surface	1	item		
E	Ground	1	item		
	Excavated material; All surplus materials to be disposed of off-site to a licensed waste disposal facility granted by the EPA under Section 40 of the Waste Management Act or by the Local Authority under the Waste Facility Permit Regulations				
F	Disposal off site; Disposal to a suitable licensed waste disposal facility; to pits	5	m3		
	<u>Filling with blinded and hardcore compacted fill to be obtained off-site; 'T2 Perm' in compliance with NSAI SR21:2014 + A1 :2016 (ANNEX E). installed and compacted in layers in accordance with the latest ISEN 13242; depositing in 200mm layers maximum thickness; compacting</u>				
	To excavations				
G	Average thickness not exceeding 250mm	1	m3		
				To Collection €	

	Description	Qty	Unit	Rate	Amount
	<u>CONCRETE WORK</u>				
	In-situ Concrete				
	<u>Concrete cubes for testing</u>				
	Provide for making sampling and testing procedures shall comply with IS EN 12350 Testing Fresh concrete; transporting and testing cubes; all as per details in Engineer's Concrete Specification Section				
A	Size 150 x 150 x 150mm	1	nr		
	<u>In-situ Concrete; Reinforced</u>				
	Structural concrete to foundations; designed concrete; strength class C30/37; exposure class XC4; chloride class Cl 0.40; nominal maximum aggregate size 20 mm; minimum cement content 310 kg/m³; maximum free water/cement ratio 0.55; consistence class S3; recycled concrete aggregate not permitted; all in accordance with I.S. EN 206, the Irish National Annex and the Engineer's Specification.				
	<u>Pads</u>				
B	Generally; Reinforced	1	m3		
	<u>Steel fabric reinforcement to concrete work; high-tensile fabric reinforcement complying with BS 4483; type, reference, bar diameter and arrangement as shown on the Engineer's drawings and reinforcement schedules; reinforcement welded at intersections and delivered in flat sheets unless otherwise specified; cut cold and bent in accordance with BS 8666; including manufacturer's compliance certification, cutting, bending, laps, tying wire, chairs, supports, spacers and maintaining the specified concrete cover; all in accordance with the Engineer's drawings and Specification Clauses 4.32 -4.35</u>				
	A393 mesh; 6.16kg/m2; 400mm side and end laps				
C	Trenches; 1 layer bottom	5	m2		
	<u>SUNDRIES</u>				
D	Metal support shoes suitable to receive timber pergola columns; galvanised and powder-coated to selected colour, securely anchored into concrete pad foundations; including baseplates, anchors, bolts and all fixings to foundations and timber columns; Contractor to submit proposals for approval ; all in accordance with the Architect's drawings and the Engineer's details and specification.	8	nr		
				To Collection €	

(20) SITE STRUCTURES - PERGOLA STRUCTURE

Description		Qty	Unit	Rate	Amount
<u>PERGOLA</u>					
Composite Item					
<u>Timber pergola to sensory garden; comprising 250 × 250 mm built-up timber columns formed from two 250 × 50 mm timbers with 150 mm timber spacers, supporting 250 × 50 mm timber joists; all timber fully preservative-treated; including cutting, fitting and all timber connections and fixings; columns secured to metal support shoes and concrete pad bases, both elsewhere measured; Contractor to submit complete proposals, workshop drawings, treatment method and certification for approval; all in accordance with Architect's Drawing S381_T-503 and the Engineer's requirements</u>					
A	Pergola Structure; 8000mm long x 3400mm wide x 3300mm high	1	item		
				To Collection €	

Description	Qty	Unit	Rate	Amount
COLLECTION Page No. 26/1 Page No. 26/2 Page No. 26/3 (20) SITE STRUCTURES - PERGOLA STRUCTURE Carried to Summary				
26/4				

Description		Qty	Unit	Rate	Amount
<u>(30) SITE ENCLOSURES - FENCING</u>					
<u>SECTIONAL COMPLETION</u>					
A	Contractor to note that all works in this project are being completed in Sections as per Proposed Ground Floor Plan drawing T100/C & compound layout drawing T-104 for phasing works ; Contractor to take cognisance when pricing the items included in this element as all measurement / items included herein is for the complete Works; no claims on the grounds of want of knowledge will be entertained whatsoever	1	item		
B	Contractor must include either in this item or within their rates within this element for the Works to be completed in Sections	1	item		
<u>FENCING</u>					
<u>SURFACE PAVINGS, FENCING AND LANDSCAPING</u>					
<u>Secure External Soft Play Areas</u>					
Proprietary roll-top mesh fencing to secure soft-play area; 1,800 mm high, galvanised and polyester powder-coated to selected colour; posts at maximum 3,000 mm centres, set in concrete pockets; including all posts, panels, brackets, fixings, excavation, disposal of surplus material and backfilling; Contractor to submit complete system proposals, including post sizes for approval; installed in accordance with the manufacturer's recommendations and the Architect's drawings and specification					
C	Fencing to Secure Soft Play areas; 1800mm high	30	m		
<i>Extra over for</i>					
D	Corner Posts	5	nr		
Proprietary single-leaf pedestrian gate to soft-play area; 1,800 mm high, width as indicated on the Architect's drawings, with mesh infill to match adjoining roll-top fencing; galvanised and polyester powder-coated to selected colour; including frame, support posts set in concrete pockets, hinges, gate stop and all fixings; prepared to receive access-control equipment, elsewhere measured; including excavation, disposal of surplus material and backfilling; Contractor to submit proposals for approval; installed in accordance with the manufacturer's recommendations and the Architect's drawings and specification.					
E	Gates; 1025mm clear openng	2	Nr		
				To Collection €	

	Description	Qty	Unit	Rate	Amount
	(Cont) FENCING				
	(Cont) SURFACE PAVINGS, FENCING AND LANDSCAPING				
	<u>Timber Fencing</u>				
	Timber post-and-rail fencing; 1,300 mm high; allow for 150 × 150 mm timber posts at maximum 1,800 mm centres with three rows of 150 × 38 mm horizontal timber rails, sizes assumed for pricing; all timber pressure-preservative-treated for external use, with posts suitable for ground contact; including galvanised fixings, concrete pockets, excavation, disposal of surplus material and backfilling; Contractor to submit proposals confirming timber sizes, treatment, post embedment and fixing details for approval; all in accordance with the Architect's drawings and specification				
A	Post & Rail Fencing to front Car-Park area; 1300mm high	41	m		
B	Post & Rail Fencing at Turning Circle Location; 1300mm high	27	m		
C	Post & Rail Fencing fixed to top of formed Earth Bern; 1300mm high	207	m		
	<i>Extra over for</i>				
D	Extra over timber post-and-rail fencing for curved work; including setting out to required radii, additional posts, forming or cutting rails to follow curves, additional connections and galvanised fixings, and treating all cut timber ends; complete to match adjoining fencing and in accordance with the Architect's drawings and specification.	8	m		
E	Extra over fencing for installation along sloping and tiered ground at boundary embankment; including setting out to varying levels, stepping or raking rails to suit ground profile, additional post lengths and supports, cutting, fitting and all necessary connections and fixings; maintaining specified fence height above adjacent ground level; all in accordance with the Architect's drawings and specification.	5	m		
	Hinged timber gate within curved post-and-rail fencing, fixed to reinstalled galvanised gate posts; tanalised timber construction to match adjoining fencing; including framing, rails, bracing, galvanised hinges, latch, gate stop, brackets and all necessary adaptations and fixings; Contractor to submit proposals for approval; all in accordance with the Architect's drawings and specification.				
F	Gates; 1300mm high; fixed to re-insatlld existing gate post	2	Nr		
To Collection €					

	Description	Qty	Unit	Rate	Amount
	(Cont) FENCING (Cont) SURFACE PAVINGS, FENCING AND LANDSCAPING <u>Re-Instatement of Existing Gates & Posts</u> Reinstall existing hinged gates, 1,300 mm high, and associated SHS posts to front entrance; including setting out, forming concrete pockets for posts, excavation, disposal of surplus material and backfilling; allow for all additional hinges, brackets, anchors and fixings required, adjusting and aligning gates to ensure free operation and secure closing; all in accordance with the Architect's drawings and specification A Re-Insatllation of Front Galvanised Hinged Gates; 4500mm wide x 1300mm wide 1 item <u>Sensory Garden</u> Railings <i>Metal handrails to ramped access route; two continuous 50 mm diameter handrails per side, comprising upper rail at 975 mm and lower rail at 650 mm above adjoining finished ramp level; supported on independent posts adjacent to planter walls; incorporating a continuous 100 × 10 mm flat steel tapping rail as part of the handrail system, broad face vertical, with smooth rounded edges and securely fixed between posts at low level; all galvanised and powder-coated to future selected RAL colour; including posts, bases, anchors, support brackets, concealed fixings, bends, returns, terminations and all connections, following ramp gradients and landings; Contractor to submit proposals and fabrication drawings, including tapping rail height, post support and fixing details, for approval; all in accordance with the Architect's drawings, specification and TGD M requirements.</i> B Railings to each side of ramped access; 650mm & 975mm high; sloping 12 m <i>Metal railing to stepped access route; comprising 50 mm diameter handrail formed to follow the steps and landings, with horizontal extensions and returned ends as detailed; galvanised and powder-coated to future selected RAL colour; including support posts, concealed fixings, anchors, brackets and all connections to concrete steps and landings; Contractor to submit proposals and fabrication drawings, including fixing details, for approval; all in accordance with Architect's Drawing S381_T-503, specification and TGD M requirements.</i> C Stepped railings; 1100 long x 1100mm high 2 nr				
To Collection €					

Description		Qty	Unit	Rate	Amount
(Cont) FENCING					
(Cont) SURFACE PAVINGS, FENCING AND LANDSCAPING					
<u>(Cont) Sensory Garden</u>					
Railings					
<i>Metal railings to sensory garden, installed between pergola uprights; comprising 100 × 10 mm flat top and bottom bars with 15 mm diameter vertical rods at 85 mm centres, and 1,100 × 100 × 10 mm railing posts as detailed; supported independently on steel box-section posts set in concrete pockets; galvanised and powder-coated to future selected RAL colour; including concealed fixings, brackets, all connections, excavation, concrete pockets, backfilling and disposal of surplus material off site; Contractor to submit proposals and fabrication drawings confirming post sizes and fixing details for approval; all in accordance with the Architect's drawings and specification.</i>					
A	Railings to pergola area; overall height from Finished ground level 1100mm	8	m		
Gates					
<i>Pedestrian gate fixed between masonry planter walls; comprising 75 × 75 mm steel box-section frame with 15 mm diameter vertical rods at 85 mm centres; powder-coated finish to future selected RAL colour; including hinges, lockable latch, gate stop, brackets, masonry anchors and all associated fixings; dimensions to suit opening; Contractor to submit proposals and fabrication drawings for approval; all in accordance with the Architect's drawings and specification.</i>					
B	Pedestrian Gate; 1200mm wide x 1400mm high	1	nr		
To Collection €					

Description	Qty	Unit	Rate	Amount
(Cont) FENCING (Cont) SURFACE PAVINGS, FENCING AND LANDSCAPING				
<u>C.A.S Entrance</u>				
Railings				
<i>Metal railings and handrails to ramped access route; comprising 15 mm diameter vertical infill bars at 85 mm centres between flat top and bottom rails, supported on 1,100 × 100 × 10 mm metal posts; two continuous 50 mm diameter handrails mounted on brackets in front of the infill bars, comprising upper rail at 975 mm and lower rail at 650 mm above adjoining finished ramp level; incorporating a continuous 110 mm deep steel tapping rail at low level with smooth rounded edges; Contractor to allow for a central corner post and all connections required to form the 90-degree turn in the railing and handrail system; all galvanised and powder-coated to future selected RAL colour; including bases, anchors, concealed fixings, brackets, bends, returns, terminations and all connections, following ramp gradients and landings; Contractor to submit proposals and fabrication drawings, including support and fixing details, for approval; all in accordance with the Architect's drawings, specification and TGD M requirements.</i>				
A Ramped Access to CAS Entrance; Sloping	17	m		
<i>Metal railing to stepped access route; comprising 50 mm diameter handrail formed to follow the steps and landings, with horizontal extensions and returned ends as detailed; galvanised and powder-coated to future selected RAL colour; including support posts, concealed fixings, anchors, brackets and all connections to concrete steps and landings; Contractor to submit proposals and fabrication drawings, including fixing details, for approval; all in accordance with Architect's Drawing S381_T-503, specification and TGD M requirements.</i>				
B Stepped railings; 1100 long x 1100mm high	2	nr		
To Collection €				

Description		Qty	Unit	Rate	Amount
(Cont) FENCING					
(Cont) SURFACE PAVINGS, FENCING AND LANDSCAPING					
<u>Main Entrance</u>					
Railings					
<i>Metal railings and handrails to ramped access route; comprising 15 mm diameter vertical infill bars at 85 mm centres between flat top and bottom rails, supported on 1,100 × 100 × 10 mm metal posts; two continuous 50 mm diameter handrails mounted on brackets in front of the infill bars, comprising upper rail at 975 mm and lower rail at 650 mm above adjoining finished ramp level; incorporating a continuous 110 mm deep steel tapping rail at low level with smooth rounded edges; Contractor to allow for a central corner post and all connections required to form the 90-degree turn in the railing and handrail system; all galvanised and powder-coated to future selected RAL colour; including bases, anchors, concealed fixings, brackets, bends, returns, terminations and all connections, following ramp gradients and landings; Contractor to submit proposals and fabrication drawings, including support and fixing details, for approval; all in accordance with the Architect's drawings, specification and TGD M requirements.</i>					
A	Ramped Access to Main Entrance; Sloping	15	m		
<i>Metal railing to stepped access route; comprising 50 mm diameter handrail formed to follow the steps and landings, with horizontal extensions and returned ends as detailed; galvanised and powder-coated to future selected RAL colour; including support posts, concealed fixings, anchors, brackets and all connections to concrete steps and landings; Contractor to submit proposals and fabrication drawings, including fixing details, for approval; all in accordance with Architect's Drawing S381_T-503, specification and TGD M requirements.</i>					
B	Stepped railings; 1100 long x 1100mm high	2	nr		
To Collection €					

(30) SITE ENCLOSURES - RE-CONSTRUCTION OF FRONT WALL & PIERS

	Description	Qty	Unit	Rate	Amount
	<u>(30) SITE ENCLOSURES - RE-CONSTRUCTION OF FRONT WALL & PIERS</u>				
	<u>EXCAVATION AND EARTHWORK</u>				
	General Information				
	<u>Information</u>				
A	The contractor should consult with the Architect and must visit the site to ascertain the extent of the works involved under this section. No variations will be approved for works that ought to have been apparent to the contractor after a site inspection and review of the Architects drawings and specifications		note		
B	When pricing the following items the Contractor's attention is drawn to the location of the site. The Contractor should also visit and check the site. No claims on the grounds of want of knowledge in respect of the above will be entertained whatsoever.		note		
	Excavation				
	<u>Excavation</u>				
	Foundation Pits				
C	Depth not exceeding 2.00m	2	m3		
	Foundation Trenches				
D	Depth between not exceeding 2.00m	1	m3		
	<u>Working Space</u>				
	Foundations				
E	Depth between not exceeding 2.00m; backfilling trenches with clause 804 hardcore compliant with SR21 Annex E	7	m2		
	<u>Disposal</u>				
	Water				
F	Surface	1	item		
G	Ground	1	item		
	Excavated material; All surplus materials to be disposed of off-site to a licenced waste disposal facility granted by the EPA under Section 40 of the Waste Management Act or by the Local Authority under the Waste Facility Permit Regulations				
H	Disposal Off-site	3	m3		
				To Collection €	

(30) SITE ENCLOSURES - RE-CONSTRUCTION OF FRONT WALL & PIERS

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) EXCAVATION AND EARTHWORK</u>				
	<u>(Cont) Excavation</u>				
	<u>Filling with material to be obtained on-site: as per Engineer's Specification; compacted as per Engineer's Specification</u>				
	To excavations				
A	Average thickness exceeding 250mm	1	m3		
	<u>CONCRETE WORK</u>				
	<u>Pre-Cast Concrete</u>				
	<u>Precast concrete: Standard: To BS 5642-1. and to IS 89-1; Smooth finish; bedding in gauged mortar; by approved manufacturer; pointing to match adjacent work; all in accordance with engineers drawings and specification</u>				
	Wall Coping; saddle back pre-cast coping by Killeshal or similar approved supplier; twice weathered to suit 215mm wall				
B	Wall copings to 2000mm high wall	2	m		
C	Extra over for "Apex" Coping to suite 450*450mm Piers	2	nr		
	<u>In-situ Concrete</u>				
	<u>Concrete cubes for testing</u>				
	Provide for making concrete cubes from freshly mixed concrete; transporting and testing cubes; all as per details in Engineer's Concrete Specification				
D	Size 150 x 150 x 150mm	1	nr		
	<u>Grade C12/15</u>				
	Blinding				
E	Generally; poured on or against earth or unblinded hardcore	1	m3		
	<u>In-situ Concrete: Reinforced</u>				
	Structural concrete to foundations; designed concrete; strength class C30/37; exposure class XC4; chloride class Cl 0.40; nominal maximum aggregate size 20 mm; minimum cement content 310 kg/m³; maximum free water/cement ratio 0.55; consistence class S3; recycled concrete aggregate not permitted; all in accordance with I.S. EN 206, the Irish National Annex and the Engineer's Specification.				
	<u>Foundations</u>				
				To Collection €	

(30) SITE ENCLOSURES - RE-CONSTRUCTION OF FRONT WALL & PIERS

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) CONCRETE WORK</u> <u>(Cont) In-situ Concrete</u> <u>(Cont) In-situ Concrete; Reinforced</u> (Cont) Structural concrete to foundations; designed concrete; strength class C30/37; exposure class XC4; chloride class Cl 0.40; nominal maximum aggregate size 20 mm; minimum cement content 310 kg/m³; maximum free water/cement...				
A	Generally; Reinforced <i>Pads</i>	1	m3		
B	Generally; Reinforced <u>Reinforcement</u> Steel fabric reinforcement to concrete work; high-tensile fabric reinforcement complying with BS 4483; type, reference, bar diameter and arrangement as shown on the Engineer's drawings and reinforcement schedules; reinforcement welded at intersections and delivered in flat sheets unless otherwise specified; cut cold and bent in accordance with BS 8666; including manufacturer's compliance certification, cutting, bending, laps, tying wire, chairs, supports, spacers and maintaining the specified concrete cover; all in accordance with the Engineer's drawings and Specification Clauses 4.32–4.35 <i>A393 mesh; 6.16kg/m2; 400mm side and end laps</i>	1	m3		
C	Trenches; 1 layer bottom <u>Formwork</u> Formwork and falsework to in-situ concrete; including design, erection, supports, bracing, ties, release agents, striking and removal; formed to the profiles and dimensions indicated, with plain finish unless otherwise specified; all in accordance with DFK's drawings and Structural Engineering Specification, Clauses 4.24–4.29. Sides of foundations	4	m2		
D	Height or width 250-500mm <u>BRICKWORK AND BLOCKWORK</u> Blockwork	2	m		
To Collection €					

(30) SITE ENCLOSURES - RE-CONSTRUCTION OF FRONT WALL & PIERS

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) BRICKWORK AND BLOCKWORK</u>				
	<u>(Cont) Blockwork</u>				
	Aggregate concrete blocks; Manufacturer: To Structural Engineers Specification. Standard: To BS EN 771-3. Block description: To Structural Engineers Specification. Compressive strength: 13N. Characteristic value: To Structural Engineers Specification. Thermal conductivity: To I.S. EN 1745 Masonry and masonry products-Methods for determining design thermal values. table A3. Reaction to fire: Class A1. Euro code 6 # I.S. EN 1996 Design of Masonry Structures # Part 1-2: General Rules # Structural Fire Design, defines the methods and calculations to determine the fire resistance of concrete block walls. Execution: Pr 20 93 52/625 Brickwork and blockwork appearance; Pr 20 93 52/690 Laying brick and block masonry units generally; Pr 20 93 52/635 Brickwork and blockwork pointing; Pr 20 93 52/630 Brickwork and blockwork bond; As per Architects Specification				
	Walls				
A	Rising Walls; 215mm thick	1	m2		
B	Rising Walls; 440mm thick	1	m2		
	Labours				
C	On blockwork; generally	1	item		
	<u>BRICKWORK AND BLOCKWORK</u>				
	<u>Blockwork</u>				
	Concrete solid common blockwork; 100 mm thick external outer leaf above DPC; solid dense aggregate concrete blocks, 440 × 215 × 100 mm, strength 10 N/mm ² as scheduled by the Engineer, complying with I.S. EN 771; laid in M4 mortar with fully filled bed and perpendicular joints, nominally 10 mm thick ; stretcher bond unless otherwise indicated; including cutting and bonding at corners, junctions and openings; blocks to be CE marked and accompanied by a Declaration of Performance; all in accordance with DFK General Notes Drawing 23003/00 Rev. A and Structural Engineering Specification Sections 5.1, 5.2, 5.6, 5.11 and 5.12.				
	Walls above Ground				
D	Isolated Piers; 440*440mm; 900mm high	1	m2		
E	215mm thick; Reconstructed entrance wall; 900mm high	1	m2		
	Labours				
F	On blockwork	1	item		
To Collection €					

(30) SITE ENCLOSURES - RE-CONSTRUCTION OF FRONT WALL & PIERS

Description		Qty	Unit	Rate	Amount
<u>FLOOR, WALL AND CEILING FINISHES</u>					
In-situ Finishes					
<u>External rendering; scud coat mixed 1 part cement to 1.5–2 parts sharp sand by volume, applied as a slurry to provide a key; 8–12 mm thick scratch coat mixed 1:1:6 cement:lime:sand by volume, combed to receive finishing coat; 6–10 mm thick finishing coat mixed 1:1:6 cement:lime:sand by volume, finished smooth to receive paint; minimum overall render thickness 20 mm; including background preparation, curing, beads, stops and forming arrises; proposed mixes and coat thicknesses subject to Architect's approval</u>					
Reconstructed boundary wall & piers					
A	Exceeding 300mm wide; to blockwork walls	3	m2		
B	Exceeding 300mm wide; to piers	3	m2		
<u>PAINTING AND DECORATING</u>					
Painting					
<u>Water-based masonry paint; to external rendered walls; smooth finish incorporating fungicide; colour to the Architect's selection; including surface preparation, primer/sealer as required and minimum two finishing coats, subject to the Architect's approval and manufacturer's recommendations; Contractor to submit proposals for approval; all in accordance with the Architect's Specification</u>					
Walls; to rendered blockwork					
C	Exceeding 300mm wide	6	m2		
				To Collection €	

(30) SITE ENCLOSURES - RE-CONSTRUCTION OF FRONT WALL & PIERS

[illegible]

(30) SITE ENCLOSURES - PLANTER WALLS/RETAINING WALLS

Description		Qty	Unit	Rate	Amount
<u>(30) SITE ENCLOSURES - PLANTER WALLS/RETAINING WALLS</u>					
<u>EXCAVATION AND EARTHWORK</u>					
General Information					
<u>Information</u>					
A	The contractor should consult with the Architect and must visit the site to ascertain the extent of the works involved under this section. No variations will be approved for works that ought to have been apparent to the contractor after a site inspection and review of the Architects drawings and specifications		note		
B	When pricing the following items the Contractor's attention is drawn to the location of the site. The Contractor should also visit and check the site. No claims on the grounds of want of knowledge in respect of the above will be entertained whatsoever.		note		
C	Refer to Architect's Drawings S381_T-500 — Proposed Landscaping Details 1 (Soft Play Area); S381_T-501 — Proposed Landscaping Details 2 (C.A.S. Entrance); S381_T-502 — Proposed Landscaping Details 3 (Main Entrance); and S381_T-503 — Proposed Landscaping Details 4 (Sensory Garden).		note		
Excavation					
<u>Excavation</u>					
Foundation Trenches					
D	Depth between not exceeding 2.00m	60	m3		
<u>Working Space</u>					
Foundations					
E	Depth between not exceeding 2.00m; backfilling trenches with clause 804 hardcore compliant with SR21 Annex E	134	m2		
<u>Disposal</u>					
Water					
F	Surface	1	item		
G	Ground	1	item		
				To Collection €	

(30) SITE ENCLOSURES - PLANTER WALLS/RETAINING WALLS

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) EXCAVATION AND EARTHWORK</u>				
	<u>(Cont) Excavation</u>				
	<u>(Cont) Disposal</u>				
	Excavated material; All surplus materials to be disposed of off-site to a licenced waste disposal facility granted by the EPA under Section 40 of the Waste Management Act or by the Local Authority under the Waste Facility Permit Regulations				
A	Disposal Off-site	60	m3		
	<u>Filling with material to be obtained on-site; as per Engineer's Specification; compacted as per Engineer's Specification</u>				
	To excavations				
B	Average thickness exceeding 250mm	7	m3		
	<u>CONCRETE WORK</u>				
	<u>In-situ Concrete</u>				
	<u>Concrete cubes for testing</u>				
	Provide for making concrete cubes from freshly mixed concrete; transporting and testing cubes; all as per details in Engineer's Concrete Specification				
C	Size 150 x 150 x 150mm	1	nr		
	<u>Grade C12/15</u>				
	Blinding				
D	Generally; poured on or against earth or unblinded hardcore	3	m3		
	<u>In-situ Concrete; Reinforced</u>				
	Structural concrete to foundations; designed concrete; strength class C30/37; exposure class XC4; chloride class Cl 0.40; nominal maximum aggregate size 20 mm; minimum cement content 310 kg/m³; maximum free water/cement ratio 0.55; consistence class S3; recycled concrete aggregate not permitted; all in accordance with I.S. EN 206, the Irish National Annex and the Engineer's Specification.				
	<u>Foundations</u>				
E	Generally; Reinforced	18	m3		
	<u>Steps / Ramps</u>				
F	Generally; Reinforced	4	m3		
				To Collection €	

(30) SITE ENCLOSURES - PLANTER WALLS/RETAINING WALLS

[illegible]

(30) SITE ENCLOSURES - PLANTER WALLS/RETAINING WALLS

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) BRICKWORK AND BLOCKWORK</u>				
	<u>(Cont) Blockwork</u>				
	Aggregate concrete blocks; Manufacturer: To Structural Engineers Specification. Standard: To BS EN 771-3. Block description: To Structural Engineers Specification. Compressive strength: 13N. Characteristic value: To Structural Engineers Specification. Thermal conductivity: To I.S. EN 1745 Masonry and masonry products-Methods for determining design thermal values. table A3. Reaction to fire: Class A1. Euro code 6 # I.S. EN 1996 Design of Masonry Structures # Part 1-2: General Rules # Structural Fire Design, defines the methods and calculations to determine the fire resistance of concrete block walls. Execution: Pr 20 93 52/625 Brickwork and blockwork appearance; Pr 20 93 52/690 Laying brick and block masonry units generally; Pr 20 93 52/635 Brickwork and blockwork pointing; Pr 20 93 52/630 Brickwork and blockwork bond; As per Architects Specification				
	Walls				
A	Rising Walls; 215mm thick	60	m2		
	Labours				
B	On blockwork; generally	1	item		
	<u>BRICKWORK AND BLOCKWORK</u>				
	<u>Blockwork</u>				
	Concrete solid common blockwork; 100 mm thick external outer leaf above DPC; solid dense aggregate concrete blocks, 440 × 215 × 100 mm, strength 10 N/mm ² as scheduled by the Engineer, complying with I.S. EN 771; laid in M4 mortar with fully filled bed and perpendicular joints, nominally 10 mm thick ; stretcher bond unless otherwise indicated; including cutting and bonding at corners, junctions and openings; blocks to be CE marked and accompanied by a Declaration of Performance; all in accordance with DFK General Notes Drawing 23003/00 Rev. A and Structural Engineering Specification Sections 5.1, 5.2, 5.6, 5.11 and 5.12.				
	Walls above Ground				
C	Planter/Retaining Walls; 215mm	59	m2		
	Labours				
D	On blockwork	1	item		
E					
	<u>FLOOR, WALL AND CEILING FINISHES</u>				
				To Collection €	

(30) SITE ENCLOSURES - PLANTER WALLS/RETAINING WALLS

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) FLOOR, WALL AND CEILING FINISHES</u>				
	In-situ Finishes				
	<u>External rendering; scud coat mixed 1 part cement to 1.5–2 parts sharp sand by volume, applied as a slurry to provide a key; 8–12 mm thick scratch coat mixed 1:1:6 cement:lime:sand by volume, combed to receive finishing coat; 6–10 mm thick finishing coat mixed 1:1:6 cement:lime:sand by volume, finished smooth to receive paint; minimum overall render thickness 20 mm; including background preparation, curing, beads, stops and forming arrises; proposed mixes and coat thicknesses subject to Architect's approval</u>				
	Planter Walls/ Sides of Retaining Walls to Ramped Access				
A	Exceeding 300mm wide; to blockwork	110	m2		
	<u>PAINTING AND DECORATING</u>				
	Painting				
	<u>Water-based masonry paint; to external rendered walls; smooth finish incorporating fungicide; colour to the Architect's selection; including surface preparation, primer/sealer as required and minimum two finishing coats, subject to the Architect's approval and manufacturer's recommendations; Contractor to submit proposals for approval; all in accordance with the Architect's Specification</u>				
	Walls; to rendered blockwork				
B	Exceeding 300mm wide	110	m2		
To Collection €					

(30) SITE ENCLOSURES - PLANTER WALLS/RETAINING WALLS

Description	Qty	Unit	Rate	Amount
COLLECTION				
Page No. 29/1				
Page No. 29/2				
Page No. 29/3				
Page No. 29/4				
Page No. 29/5				
(30) SITE ENCLOSURES - PLANTER WALLS/RETAINING WALLS				
Carried to Summary				

	Description	Qty	Unit	Rate	Amount
	<u>(40) ROADS, PATHS, PAVINGS - ROAD</u>				
	<u>EXCAVATION AND EARTHWORK</u>				
	Excavation				
	<u>Filling with hardcore to be obtained off-site; Clause 808 crushed stone well compacted on firm clean formation; compliant with TII Publications series 800, free from pyrite and macarsite as per Engineer's specification</u>				
	To make up levels				
A	Average thickness not exceeding 250mm	94	m3		
	<u>Filling with granular fill material to be obtained off-site; Class 6F2 compliant with TII Publications series 600, free from pyrite and macarsite; depositing in 150mm layers maximum thickness; compacting; as per Engineers Drawings and Specification</u>				
	To make up levels				
B	Average thickness exceeding 250mm	157	m3		
	<u>Surface treatments</u>				
	Levelling and compacting; blinding with quarry dust				
C	Horizontal; 50mm thick; to hardcore	627	m2		
	<u>SURFACE PAVING FENCING AND LANDSCAPING</u>				
	Insitu Surface Pavings				
	<u>Car parking road construction; 40 mm thick AC 10 asphalt surface course over 60 mm thick AC 20 binder course, binder grade 70/100, both to EN 13108-1; including preparation of substrate, bond coats between layers, laying, compaction, forming falls, joints and tie-ins to adjoining surfaces; all in accordance with the Engineer's drawings and specification.</u>				
	Roads, on blinded hardcore base				
D	100mm thick; two coat work; to falls and cross falls	627	m2		
	<u>Sundries</u>				
	Membrane to Engineer's Specification; Min 1000 Gauge Geotextile Liner or equivalent; include for all necessary laps and joints; to manufacturers instructions; as per Engineer's Specification & Drawings				
E	Horizontal	627	m2		
				To Collection €	

	Description	Qty	Unit	Rate	Amount
	(Cont) SURFACE PAVING FENCING AND LANDSCAPING				
	(Cont) Insitu Surface Pavings				
	<u>In-situ concrete kerb; Grade C40 concrete, 200 mm wide at top, minimum 350 mm overall depth and 125 mm upstand above adjoining pavement; splayed faces to profile shown, with U3 finish to exposed surfaces and minimum 5 mm radius to edges; including excavation, formwork, concrete bedding and additional support where required, joints to Engineer's requirements, curing and protection from adverse weather; reduced upstands of 25 mm at vehicular accesses and 0-6 mm at pedestrian crossings where indicated; all in accordance with the Engineer's standard in-situ concrete kerb detail, specification and BS 5931 as referenced therein.</u>				
	Kerbs				
A	225 x 250mm deep insitu concrete kerb incl sub-base	222	m		
B	Extra over for curved work	28	m		
C	Extra over for drop kerb	26	m		
	<u>MISCELLANEOUS WORKS</u>				
	Contractor to allow for an independent tester to undertake pyrite tests of the stone material to be used in the hardcore build up to verify that the hardcore material used on site complies with the chemical requirements in IS EN 13242 & S.R. 21 Annex E (The percentage of Total Sulphur content in hardcore shall be limited in accordance with S.R. 21). Hardcore material to be stockpiled on site and a composite sample taken. Hardcore is not to be placed prior to the testing of the site material to be used. (See Engineers Specification)				
D	Generally	1	item		
	Contractor to allow for an on-site CBR Test. (See Engineers Specification)				
E	Generally	1	item		
				To Collection €	

Description	Qty	Unit	Rate	Amount
COLLECTION Page No. 30/1 Page No. 30/2 (40) ROADS, PATHS, PAVINGS - ROAD Carried to Summary				
30/3				

	Description	Qty	Unit	Rate	Amount
	<u>(40) ROADS, PATHS, PAVINGS - PAVING TO CAS ENTRANCE</u>				
	<u>EXCAVATION AND EARTHWORK</u>				
	Excavation				
	<u>Filling with hardcore to be obtained off-site; Clause 808 crushed stone well compacted on firm clean formation; compliant with TII Publications series 800, free from pyrite and macarsite as per Engineer's specification</u>				
	To make up levels				
A	Average thickness not exceeding 250mm	6	m3		
	<u>Filling with granular fill material to be obtained off-site; Class 6F2 compliant with TII Publications series 600, free from pyrite and macarsite; depositing in 150mm layers maximum thickness; compacting; as per Engineers Drawings and Specification</u>				
	To make up levels				
B	Average thickness exceeding 250mm	18	m3		
	<u>Surface treatments</u>				
	Paving grit; 6 mm graded material obtained off site, laid to required thickness, levels, falls and crossfalls; including supply, spreading, screeding and compaction to provide an even bedding surface ready to receive paving; all in accordance with the Engineer's drawings and specification				
C	Horizontal; 50mm thick	35	m2		
	<u>SURFACE PAVING, FENCING AND LANDSCAPING</u>				
	Preformed Paving and Edging Units				
	<u>Precast concrete paving slabs; 450 × 450 × 50 mm thick to proposed paved areas, colour, finish and laying pattern to the Architect's approval; Contractor to submit product proposals and samples for approval; including bedding, laying to required levels, falls and crossfalls, cutting and fitting to curved areas as indicated on the Architect's layout plan, jointing with approved material and forming neat junctions with adjoining surfaces; all in accordance with the manufacturer's recommendations and the Architect's landscaping detail drawings and specification.</u>				
	Paving				
D	Exceeding 300mm wide; 50mm thick	28	m2		
To Collection €					

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) SURFACE PAVING, FENCING AND LANDSCAPING</u> <u>(Cont) Preformed Paving and Edging Units</u> <u>Tactile hazard-warning paving flags; proprietary corduroy pattern with raised half-round bars, 400 × 400 × 50 mm thick, square-edged and in selected colour; Contractor to submit product proposals and samples for approval; set into in-situ concrete landings, concrete elsewhere measured; including bedding, jointing, laying whole flags with cut margins, and forming required levels and orientation; all in accordance with the manufacturer's recommendations, Architect's drawings and the Engineer's requirements.</u>				
A	Tactile paving; exceeding 300mm embedded flush with adjoining surfaces <u>Sundries</u> Membrane to Engineer's Specification; Geotextile or equivalent ; include for all necessary laps and joints; to manufacturers instructions; as per Engineer's Specification & Drawings	7	m2		
B	Horizontal <u>MISCELLANEOUS WORKS</u> Contractor to allow for an independent tester to undertake pyrite tests of the stone material to be used in the hardcore build up to verify that the hardcore material used on site complies with the chemical requirements in IS EN 13242 & S.R. 21 Annex E (The percentage of Total Sulphur content in hardcore shall be limited in accordance with S.R. 21). Hardcore material to be stockpiled on site and a composite sample taken. Hardcore is not to be placed prior to the testing of the site material to be used. (See Engineers Specification)	35	m2		
C	^^Generally Contractor to allow for an on-site CBR Test. (See Engineers Specification)	1	item		
D	^^Generally	1	item		
To Collection €					

Description	Qty	Unit	Rate	Amount
COLLECTION Page No. 31/1 Page No. 31/2 (40) ROADS, PATHS, PAVINGS - PAVING TO CAS ENTRANCE Carried to Summary				
31/3				

(40) ROADS, PATHS, PAVINGS - PAVING TO MAIN ENTRANCE

	Description	Qty	Unit	Rate	Amount
	<u>(40) ROADS, PATHS, PAVINGS - PAVING TO MAIN ENTRANCE</u>				
	<u>EXCAVATION AND EARTHWORK</u>				
	Excavation				
	<u>Filling with hardcore to be obtained off-site; Clause 808 crushed stone well compacted on firm clean formation; compliant with TII Publications series 800, free from pyrite and macarsite as per Engineer's specification</u>				
	To make up levels				
A	Average thickness not exceeding 250mm	5	m3		
	<u>Filling with granular fill material to be obtained off-site; Class 6F2 compliant with TII Publications series 600, free from pyrite and macarsite; depositing in 150mm layers maximum thickness; compacting; as per Engineers Drawings and Specification</u>				
	To make up levels				
B	Average thickness exceeding 250mm	15	m3		
	<u>Surface treatments</u>				
	Paving grit; 6 mm graded material obtained off site, laid to required thickness, levels, falls and crossfalls; including supply, spreading, screeding and compaction to provide an even bedding surface ready to receive paving; all in accordance with the Engineer's drawings and specification				
C	Horizontal; 50mm thick	32	m2		
	<u>SURFACE PAVING, FENCING AND LANDSCAPING</u>				
	Preformed Paving and Edging Units				
	<u>Precast concrete paving slabs; 450 × 450 × 50 mm thick to proposed paved areas, colour, finish and laying pattern to the Architect's approval; Contractor to submit product proposals and samples for approval; including bedding, laying to required levels, falls and crossfalls, cutting and fitting to curved areas as indicated on the Architect's layout plan, jointing with approved material and forming neat junctions with adjoining surfaces; all in accordance with the manufacturer's recommendations and the Architect's landscaping detail drawings and specification.</u>				
	Paving				
D	Exceeding 300mm wide; 50mm thick	25	m2		
To Collection €					

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) SURFACE PAVING, FENCING AND LANDSCAPING</u>				
	(Cont) Preformed Paving and Edging Units				
	<u>Tactile hazard-warning paving flags; proprietary corduroy pattern with raised half-round bars, 400 × 400 × 50 mm thick, square-edged and in selected colour; Contractor to submit product proposals and samples for approval; set into in-situ concrete landings, concrete elsewhere measured; including bedding, jointing, laying whole flags with cut margins, and forming required levels and orientation; all in accordance with the manufacturer's recommendations, Architect's drawings and the Engineer's requirements.</u>				
A	Tactile paving; exceeding 300mm embedded flush with adjoining surfaces	7	m2		
	<u>Sundries</u>				
	Membrane to Engineer's Specification; Geotextile or equivalent ; include for all necessary laps and joints; to manufacturers instructions; as per Engineer's Specification & Drawings				
B	Horizontal	32	m2		
	<u>MISCELLANEOUS WORKS</u>				
	Contractor to allow for an independent tester to undertake pyrite tests of the stone material to be used in the hardcore build up to verify that the hardcore material used on site complies with the chemical requirements in IS EN 13242 & S.R. 21 Annex E (The percentage of Total Sulphur content in hardcore shall be limited in accordance with S.R. 21). Hardcore material to be stockpiled on site and a composite sample taken. Hardcore is not to be placed prior to the testing of the site material to be used. (See Engineers Specification)				
C	^^^Generally	1	item		
	Contractor to allow for an on-site CBR Test. (See Engineers Specification)				
D	^^^Generally	1	item		
To Collection €					

(40) ROADS, PATHS, PAVINGS - PAVING TO MAIN ENTRANCE

Description	Qty	Unit	Rate	Amount
COLLECTION Page No. 32/1 Page No. 32/2 (40) ROADS, PATHS, PAVINGS - PAVING TO MAIN ENTRANCE Carried to Summary				

	Description	Qty	Unit	Rate	Amount
	<u>(40) ROADS, PATHS, PAVINGS - PAVING TO SENSORY GARDEN</u>				
	<u>EXCAVATION AND EARTHWORK</u>				
	Excavation				
	<u>Filling with hardcore to be obtained off-site; Clause 808 crushed stone well compacted on firm clean formation; compliant with TII Publications series 800, free from pyrite and macarsite as per Engineer's specification</u>				
	To make up levels				
A	Average thickness not exceeding 250mm	19	m3		
	<u>Filling with granular fill material to be obtained off-site; Class 6F2 compliant with TII Publications series 600, free from pyrite and macarsite; depositing in 150mm layers maximum thickness; compacting; as per Engineers Drawings and Specification</u>				
	To make up levels				
B	Average thickness exceeding 250mm	19	m3		
	<u>Surface treatments</u>				
	Paving grit; 6 mm graded material obtained off site, laid to required thickness, levels, falls and crossfalls; including supply, spreading, screeding and compaction to provide an even bedding surface ready to receive paving; all in accordance with the Engineer's drawings and specification				
C	Horizontal; 50mm thick	125	m2		
	<u>SURFACE PAVING, FENCING AND LANDSCAPING</u>				
	Preformed Paving and Edging Units				
	<u>Precast concrete paving slabs; 450 × 450 × 50 mm thick to proposed paved areas; colour, finish and laying pattern to the Architect's approval; Contractor to submit proposals and samples for approval; including bedding, laying to required levels, falls and crossfalls, cutting, fitting, filling joints with approved jointing material and forming neat junctions with adjoining surfaces; all in accordance with the manufacturer's recommendations and the Architect's landscaping detail drawings and specification</u>				
	Paving				
D	Exceeding 300mm wide; 50mm thick	125	m2		
To Collection €					

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) SURFACE PAVING, FENCING AND LANDSCAPING</u> <u>(Cont) Preformed Paving and Edging Units</u> <u>Tactile hazard-warning paving flags; proprietary corduroy pattern with raised half-round bars, 400 × 400 × 50 mm thick, square-edged and in selected colour; Contractor to submit product proposals and samples for approval; set into in-situ concrete landings, concrete elsewhere measured; including bedding, jointing, laying whole flags with cut margins, and forming required levels and orientation; all in accordance with the manufacturer's recommendations, Architect's drawings and the Engineer's requirements.</u>				
A	Tactile paving; exceeding 300mm embedded flush with adjoining surfaces <u>Sundries</u> Membrane to Engineer's Specification; Geotextile or equivalent; include for all necessary laps and joints; to manufacturers instructions; as per Engineer's Specification & Drawings	6	m2		
B	Horizontal <u>Precast concrete pin kerb; 50mm wide x 150mm high; set in concrete haunching 300mm wide x 400mm deep, mix ST4; include for joints as per Engineer's requirements; include for all necessary haunching in lean mix concrete, as per Engineer's Specification</u> Kerbs; concrete foundation and haunching; formwork	125	m2		
C	50mm wide x 150mm high concrete kerb <u>MISCELLANEOUS WORKS</u> Contractor to allow for an independent tester to undertake pyrite tests of the stone material to be used in the hardcore build up to verify that the hardcore material used on site complies with the chemical requirements in IS EN 13242 & S.R. 21 Annex E (The percentage of Total Sulphur content in hardcore shall be limited in accordance with S.R. 21). Hardcore material to be stockpiled on site and a composite sample taken. Hardcore is not to be placed prior to the testing of the site material to be used. (See Engineers Specification)	18	m		
D	^^Generally Contractor to allow for an on-site CBR Test. (See Engineers Specification)	1	item		
E	^^Generally	1	item		
To Collection €					

(40) ROADS, PATHS, PAVINGS - PAVING TO SENSORY GARDEN

Description	Qty	Unit	Rate	Amount
COLLECTION Page No. 33/1 Page No. 33/2 (40) ROADS, PATHS, PAVINGS - PAVING TO SENSORY GARDEN Carried to Summary				

	Description	Qty	Unit	Rate	Amount
	<u>(40) ROADS, PATHS, PAVINGS - PERMEABLE PAVING</u>				
	<u>EXCAVATION AND EARTHWORK</u>				
	Excavation				
	<u>Filling with granular fill material to be obtained off-site; Class 6F2 compliant with TII Publications series 600, free from pyrite and macarsite; depositing in 150mm layers maximum thickness; compacting; as per Engineers Drawings and Specification</u>				
	To make up levels				
A	Minimum depth 250mm subject to CBR Test	19	m3		
	<u>Filling with granular material obtained off site; 350 mm thick layer of 20 mm coarse graded aggregate to Clause 505, fully wrapped in e.m geotextile membrane, depositing in 150mm layers maximum thickness; compacting; as per Engineers Drawings and Specification</u>				
B	Minimum depth 250mm subject to CBR Test	27	m3		
	<u>Surface treatments</u>				
	Paving grit; 6 mm graded material obtained off site, laid to required thickness, levels, falls and crossfalls; including supply, spreading, screeding and compaction to provide an even bedding surface ready to receive paving; all in accordance with the Engineer's drawings and specification				
C	Horizontal; 50mm thick	76	m2		
	<u>SURFACE PAVING, FENCING AND LANDSCAPING</u>				
	Preformed Paving and Edging Units				
	<u>Concrete block paving; Kilsaran Clima-Pave or similar approved permeable paving blocks, 80 mm thick, colour and laying pattern to the Architect's approval; Contractor to submit proposals and samples for approval; laid on e.m 6 paving grit bedding over the aggregate sub-base detailed by DFK, bedding and sub-base elsewhere measured; including cutting, fitting, jointing with compatible permeable jointing aggregate and compaction to required levels, falls and crossfalls, and neat junctions with kerbs, drainage channels and adjoining surfaces; all in accordance with the manufacturer's recommendations and DFK's drawings and specification.</u>				
	Paving				
D	Exceeding 300mm wide; 80mm thick	76	m2		
To Collection €					

Description		Qty	Unit	Rate	Amount
<u>(Cont) SURFACE PAVING, FENCING AND LANDSCAPING</u>					
<u>(Cont) Preformed Paving and Edging Units</u>					
<u>Sundries</u>					
Geotextile membrane; two layers of proprietary permeable separation and filtration membrane, laid horizontally and returned vertically around the perimeter of permeable paved areas to enclose the coarse graded aggregate layer; Contractor to submit proposals and technical data for approval ; including cutting, fitting, laps, joints, returns and securing in position; no allowance in measurement for laps; installed in accordance with the manufacturer's recommendations and DFK's drawings and specification.					
A	Horizontal; exceeding 300mm	152	m2		
B	Vertically; exceeding 300mm	14	m2		
<u>Flush concrete kerb between asphalt surfacing and permeable paving; set level with adjoining finished surfaces, supported and bedded in lean mix concrete with haunching to both sides; including excavation, reinforcement where detailed, cutting, jointing and coordination with adjoining geotextile membrane; Contractor to submit proposals for approval; all in accordance with DFK's drawings and specification.</u>					
Kerbs; concrete foundation and haunching; formwork					
C	100mm wide x 250mm high concrete kerb	15	m		
<u>MISCELLANEOUS WORKS</u>					
Contractor to allow for an independent tester to undertake pyrite tests of the stone material to be used in the hardcore build up to verify that the hardcore material used on site complies with the chemical requirements in IS EN 13242 & S.R. 21 Annex E (The percentage of Total Sulphur content in hardcore shall be limited in accordance with S.R. 21). Hardcore material to be stockpiled on site and a composite sample taken. Hardcore is not to be placed prior to the testing of the site material to be used. (See Engineers Specification)					
D	Generally	1	item		
Contractor to allow for an on-site CBR Test. (See Engineers Specification)					
E	Generally	1	item		
				To Collection €	

Description	Qty	Unit	Rate	Amount
COLLECTION Page No. 34/1 Page No. 34/2 (40) ROADS, PATHS, PAVINGS - PERMEABLE PAVING Carried to Summary				
34/3				

	Description	Qty	Unit	Rate	Amount
	(40) ROADS, PATHS, PAVINGS -GENERAL HARD PLAY AREA				
	<u>EXCAVATION AND EARTHWORK</u>				
	Excavation				
	<u>Filling with hardcore to be obtained off-site; Clause 808 crushed stone well compacted on firm clean formation; compliant with TII Publications series 800, free from pyrite and macarsite as per Engineer's specification</u>				
	To make up levels				
A	Average thickness not exceeding 250mm	43	m3		
	<u>Filling with granular fill material to be obtained off-site; Class 6F2 compliant with TII Publications series 600, free from pyrite and macarsite; depositing in 150mm layers maximum thickness; compacting; as per Engineers Drawings and Specification</u>				
	To make up levels				
B	Average thickness exceeding 250mm	72	m3		
	<u>Surface treatments</u>				
	Levelling and compacting; blinding with quarry dust				
C	Horizontal; 50mm thick; to hardcore	285	m2		
	<u>Sundries</u>				
	Membrane to Engineer's Specification; Min 1000 Gauge Geotextile Liner or equivalent; include for all necessary laps and joints; to manufacturers instructions; as per Engineer's Specification & Drawings				
D	Horizontal	285	m2		
	<u>SURFACE PAVING FENCING AND LANDSCAPING</u>				
	Insitu Surface Pavings				
	<u>General Hard Play Area; 40 mm thick AC 10 asphalt surface course over 60 mm thick AC 20 binder course, binder grade 70/100, both to EN 13108-1; including preparation of substrate, bond coats between layers, laying, compaction, forming falls, joints and tie-ins to adjoining surfaces; all in accordance with the Engineer's drawings and specification.</u>				
	General Hard Play Area, on blinded hardcore base				
E	100mm thick; two coat work; to falls and cross falls	285	m2		
				To Collection €	

Description		Qty	Unit	Rate	Amount
(Cont) SURFACE PAVING FENCING AND LANDSCAPING					
(Cont) Insitu Surface Pavings					
Flush concrete kerb between asphalt surfacing and permeable paving; set level with adjoining finished surfaces, supported and bedded in lean mix concrete with haunching to both sides; including excavation, reinforcement where detailed, cutting, jointing and coordination with adjoining geotextile membrane; Contractor to submit proposals for approval; all in accordance with DFK's drawings and specification. Kerbs; concrete foundation and haunching; formwork					
A	100mm wide x 250mm high concrete kerb	71	m		
Line markings to asphalt surfaces to Architect's Specification; Prepare and apply two coats approved thermoplastic road marking paint; all in strict accordance with Road Safety Markings Association standard specification document for road markings and road studs (Stanspec) and Architect's Specification and Engineer's Drawing Line marking					
B	100mm wide; white	178	m		
C	Extra over for curved line marking	60	m		
MISCELLANEOUS WORKS					
Contractor to allow for an independent tester to undertake pyrite tests of the stone material to be used in the hardcore build up to verify that the hardcore material used on site complies with the chemical requirements in IS EN 13242 & S.R. 21 Annex E (The percentage of Total Sulphur content in hardcore shall be limited in accordance with S.R. 21). Hardcore material to be stockpiled on site and a composite sample taken. Hardcore is not to be placed prior to the testing of the site material to be used. (See Engineers Specification)					
D	Generally	1	item		
Contractor to allow for an on-site CBR Test. (See Engineers Specification)					
E	Generally	1	item		
				To Collection €	

Description	Qty	Unit	Rate	Amount
COLLECTION Page No. 35/1 Page No. 35/2 (40) ROADS, PATHS, PAVINGS -GENERAL HARD PLAY AREA Carried to Summary				
35/3				

(40) ROADS, PATHS, PAVINGS - CONCRETE FOOTPATH/RAMPS

	Description	Qty	Unit	Rate	Amount
	<u>(40) ROADS, PATHS, PAVINGS - CONCRETE FOOTPATH/RAMPS</u>				
	<u>EXCAVATION AND EARTHWORK</u>				
	Excavation				
	<u>Filling with hardcore to be obtained off-site; Clause 808 crushed stone well compacted on firm clean formation; compliant with TII Publications series 800, free from pyrite and macarsite as per Engineer's specification</u>				
	To make up levels				
A	Average thickness not exceeding 250mm	9	m3		
	<u>Filling with granular fill material to be obtained off-site; Class 6F2 compliant with TII Publications series 600, free from pyrite and macarsite; depositing in 150mm layers maximum thickness; compacting; as per Engineers Drawings and Specification</u>				
	To make up levels				
B	Average thickness exceeding 250mm	9	m3		
	<u>Surface treatments</u>				
	Levelling and compacting; blinding with quarry dust				
C	Horizontal; 50mm thick; to hardcore	89	m2		
	<u>CONCRETE WORK</u>				
	In situ concrete				
	<u>Grade C30/37 Concrete</u>				
	Paths; laid on compacted hardcore base				
D	Not exceeding 100mm thick; paths generally	9	m3		
	<u>Sundries</u>				
	Design joints				
	<i>Saw-cut joints to concrete paths at 3,000 mm centres; cut to the Engineer's required depth, clean and prepare joints, and fill with approved bituminous joint sealant; including backing material where required and finishing flush with adjoining concrete</i>				
E	Joints at 3m centre	31	m		
				To Collection €	

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) CONCRETE WORK</u>				
	<u>(Cont) In situ concrete</u>				
	<u>(Cont) Sundries</u>				
	Formwork				
	<i>Sawn formwork; class F1;</i>				
	<i>Edges of beds</i>				
A	≤ 250mm high to base	87	m		
	Surface Finishes				
	<i>Brushed finish to wet concrete as per Architect's & Engineer's Specifications</i>				
B	Generally	89	m2		
	<i>Trowelled finish to margins; all labours</i>				
C	100mm wide	87	m		
	<i>Membrane to Engineer's Specification; Geotextile or equivalent; include for all necessary laps and joints; to manufacturers instructions; as per Engineer's Specification & Drawing</i>				
D	Generally	89	m2		
	<u>MISCELLANEOUS WORKS</u>				
	Contractor to allow for an independent tester to undertake pyrite tests of the stone material to be used in the hardcore build up to verify that the hardcore material used on site complies with the chemical requirements in IS EN 13242 & S.R. 21 Annex E (The percentage of Total Sulphur content in hardcore shall be limited in accordance with S.R. 21). Hardcore material to be stockpiled on site and a composite sample taken. Hardcore is not to be placed prior to the testing of the site material to be used. (See Engineers Specification)				
E	Generally	1	item		
	Contractor to allow for an on-site CBR Test. (See Engineers Specification)				
F	Generally	1	item		
				To Collection €	

(40) ROADS, PATHS, PAVINGS - CONCRETE FOOTPATH/RAMPS

Description	Qty	Unit	Rate	Amount
COLLECTION Page No. 36/1 Page No. 36/2 (40) ROADS, PATHS, PAVINGS - CONCRETE FOOTPATH/RAMPS Carried to Summary				

Description		Qty	Unit	Rate	Amount
<u>(40) ROADS, PATHS, PAVINGS -SOFT PLAY</u>					
<u>EXCAVATION AND EARTHWORK</u>					
Excavation					
<u>Filling with granular fill material to be obtained off-site; Class 6F2 compliant with TII Publications series 600, free from pyrite and macarsite; depositing in 150mm layers maximum thickness; compacting; as per Engineers Drawings and Specification</u>					
To make up levels					
A	Minimum depth 250mm subject to CBR Test	15	m3		
<u>Filling with granular material obtained off site; 350 mm thick layer of 20 mm coarse graded aggregate to Clause 505, fully wrapped in e.m geotextile membrane, depositing in 150mm layers maximum thickness; compacting; as per Engineers Drawings and Specification</u>					
B	Minimum depth 250mm subject to CBR Test	40	m3		
<u>Surface treatments</u>					
Levelling and compacting; blinding with quarry dust					
C	Horizontal; 50mm thick; to hardcore	89	m2		
<u>SURFACE PAVING FENCING AND LANDSCAPING</u>					
Insitu Surface Pavings					
<u>Permeable soft-play surfacing; proprietary wet-pour system comprising 15 mm wearing course over 25 mm base layer, laid on e.m 150 mm Clause 804 granular fill over 200 mm loosely comp</u>					
Soft Play Area, on blinded hardcore base					
D	40mm thick; two coat work; to falls and cross falls	99	m2		
				To Collection €	

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) SURFACE PAVING FENCING AND LANDSCAPING</u>				
	(Cont) Insitu Surface Pavings				
	<u>Flush concrete kerb at junctions between soft-play surfacing and adjoining surfaces; laid level with adjoining finished surfaces, supported and bedded in lean mix concrete with haunching to both sides; including excavation, reinforcement where detailed, cutting, jointing and coordination with adjoining geotextile membrane; Contractor to submit proposals for approval; all in accordance with DFK's drawings and specification.</u>				
	Kerbs; concrete foundation and haunching; formwork				
A	100mm wide x 250mm high concrete kerb	27	m		
	Sundries				
	<u>Geotextile membrane: two layers of proprietary permeable separation and filtration membrane, laid horizontally and returned vertically around the perimeter of permeable paved areas to enclose the coarse graded aggregate layer; Contractor to submit proposals and technical data for approval ; including cutting, fitting, laps, joints, returns and securing in position; no allowance in measurement for laps; installed in accordance with the manufacturer's recommendations and DFK's drawings and specification.</u>				
B	Horizontal; exceeding 300mm	192	m2		
C	Vertically; exceeding 300mm	24	m2		
	<u>MISCELLANEOUS WORKS</u>				
	Contractor to allow for an independent tester to undertake pyrite tests of the stone material to be used in the hardcore build up to verify that the hardcore material used on site complies with the chemical requirements in IS EN 13242 & S.R. 21 Annex E (The percentage of Total Sulphur content in hardcore shall be limited in accordance with S.R. 21). Hardcore material to be stockpiled on site and a composite sample taken. Hardcore is not to be placed prior to the testing of the site material to be used. (See Engineers Specification)				
D	Generally	1	item		
	Contractor to allow for an on-site CBR Test. (See Engineers Specification)				
E	Generally	1	item		
				To Collection €	

Description	Qty	Unit	Rate	Amount
COLLECTION Page No. 37/1 Page No. 37/2 (40) ROADS, PATHS, PAVINGS -SOFT PLAY Carried to Summary				

Description		Qty	Unit	Rate	Amount
<u>(50) SITE SERVICES - STORM DRAINAGE</u>					
<u>DRAINAGE</u>					
General Information					
<u>Information</u>					
A	^^^A percentage of the following items are works OUTSIDE THE BOUNDARY OF THE SITE or in PUBLIC HIGHWAYS. The Contractor should visit the site and examine the drawings in order to satisfy himself of the extent of works outside the site boundary. The Contractor's rates are to include for all items necessary for such works. No claims on the grounds of want of knowledge in this respect will be entertained whatsoever.		note		
B	^^^When pricing the following items the Contractor's attention is drawn to the location of the site. The Contractor should also visit and check the site. No claims on the grounds of want of knowledge in respect of the above will be entertained whatsoever.		note		
C	Any un-authorised excavations below the required level shall be made up with concrete of the same composition as for drain beds at the Contractors own expense; all as per Architects Specification		note		
Drainage Below Ground - Storm Water					
<u>Excavation</u>					
Excavating trenches to receive pipes / ducts not exceeding 250mm diameter, earthwork support to sides of trenches; include for excavating below ground water level; grading bottoms of excavations; backfilling with imported selected fill material free from stones larger than 40mm, lumps of clay over 100mm, timber, frozen material and vegetable matter; approved by the Engineer; disposal of surplus soil off site; All surplus materials to be disposed of off-site to a licenced waste disposal facility granted by the EPA under Section 40 of the Waste Management Act or by the Local Authority under the Waste Facility Permit Regulations; as per Engineer's Drawing					
D	Average Depth 500 - 1000mm (100mm lines)	43	m		
E	Average Depth 500 - 1000mm (150mm lines)	165	m		
F	Average Depth 500 - 1000mm (225mm lines)	33	m		
G	Average Depth 1000 - 1500mm (225mm lines)	48	m		
				To Collection €	

	Description	Qty	Unit	Rate	Amount
	(Cont) DRAINAGE				
	(Cont) Drainage Below Ground - Storm Water				
	<u>Extra over excavating trenches irrespective of depth</u>				
	Breaking up & Reinstating				
A	Breaking out existing concrete path adjacent to existing classroom and adjoining entrance road to facilitate diversion of 150 mm diameter surface-water pipe; including saw-cutting neat edges, excavation and disposal of arising materials off site to an authorised disposal facility; reinstating compacted Clause 808 sub-base and concrete path to match existing construction, thickness, finish, levels and falls; including reinforcement where required, joints, replacement of affected kerbs with bedding and haunching, and neat sealed junctions with retained surfaces; pipework elsewhere measured; all in accordance with the Engineer's drawings and specification	20	m		
B	Breaking out existing macadam carpark; saw cutting surface ; include for reinstating surfacing to match existing including Type 808 sub base material where necessary; jointing to existing; disposal of excavated material off site; all to satisfaction of Engineers Specification & Drawings	21	m		
	Disposal				
C	^^^Ground water	1	item		
D	^^^Surface water	1	item		
	<u>Granular fill bed and surround; 14mm or 5mm graded aggregate or 10mm single sized aggregate; complying with the requirements of the Engineer's Specification; compaction factor value not greater than 0.2 when measured in accordance with Engineer's Specification; well compacted; as per Engineer's Drawings & Specification</u>				
	Beds and Surround				
E	760 x 725mm to 225mm diameter pipe	48	m		
	<u>Plain in-situ concrete bed and surround; minimum 150mm bed; Class 16/20; leanmix concrete backfill; as per Engineer's Drawing</u>				
	Beds and Surrounds				
F	400 x 400mm to 100mm diameter pipe	43	m		
G	450 x 450mm to 150mm diameter pipe	165	m		
H	525 x 525mm to 225mm diameter pipe	33	m		
				To Collection €	

	Description	Qty	Unit	Rate	Amount
	(Cont) DRAINAGE				
	(Cont) Drainage Below Ground - Storm Water				
	<u>(Cont) Plain in-situ concrete bed and surround; minimum 150mm bed; Class 16/20; leanmix concrete backfill; as per Engineer's Drawing</u>				
	PVC marker tape "Heptape" or equivalent				
A	^^^Continuous strip laid during trench backfill, 100mm above pipework	289	m		
	<u>Pipe; PVC SN8 pipework and fittings; to Engineer's Specification</u>				
	Pipes; loose couplers and ceiling ring joints in the running length				
B	100mm diameter	43	m		
	Extra over pipework runs for				
C	connection to IC's	5	nr		
D	expansion joints in the concrete bed and surround	8	nr		
	<u>Pipe; perforated pipework and fittings; to Engineer's Specification</u>				
	Pipes;PVC SN8; loose couplers and ceiling ring joints in the running length				
E	150mm diameter	165	m		
	Extra over pipework runs for				
F	connection to road gully	2	nr		
G	connection to ICs	13	nr		
	<u>Pipe; PVC SN8 pipework and fittings; to Engineer's Specification</u>				
	Pipes; loose couplers and ceiling ring joints in the running length				
H	225mm diameter	81	m		
	Extra over pipework runs for				
I	connection to manholes	6	nr		
J	connection to attenuation system	1	nr		
To Collection €					

	Description	Qty	Unit	Rate	Amount
	(Cont) DRAINAGE (Cont) Drainage Below Ground - Storm Water <u>Accessories</u> Road Gulleys, Complete; 450mm diameter precast gully; gully encased in 150mm concrete grade C20/25; include for 450 x 320mm Class D 400 (IS/EN 124) C.I. gully grating & frame bedded in mortar; gullies to be hinged at right angles to kerb line so they close with direction of traffic with slots at right angle to kerb; include for rodding eye fixed with stopper and galvanised; include for chain; include for concrete surround to gully grating; include for 160mm diameter uPVC bend if required at connection; including all necessary excavation, disposal, working space, earthwork support, dewatering, backfilling, formwork, reinforcement, construction joints and finishes; all as per Engineers Specification				
A	Trapped; 450mm diameter; 150mm outlet; heavy duty cast iron gully grating Back Inlet Gully Trap; complete; as per Architect's Specification Q10; Manufacturer: Contractor to submit proposals for selection by ER; Type: Back inlet Bottle gully (roddable); Cover: Square topped grating to be galvanised steel to requirements of BS EN1253: Part 2. Grating to allow for surface water collection; Support: 300x300x200mm deep concrete base and lean mix of concrete (no richer than 1 in 18) should support the Bottle Gully; surrounded with granular backfill. To ensure the gully is easily accessible for cleaning out, its base should be within easy reach from ground level; jointed to PVC pipes; include for all excavation, disposal, backfilling, concrete, formwork, etc; as per Engineers Specification	2	nr		
B	Back Inlet Gully Trap; 1500mm outlet; galvanised cast iron grid cover Drainage Channels <i>Proprietary linear drainage channels; ACO or similar approved, located as indicated on Architect's Drawings S381_T-100C and S381_T-104; allow for channel size 150 mm wide x 309 mm deep, with 105 mm throat depth and 30 mm throat width for pricing; Contractor to submit product proposals confirming dimensions, hydraulic capacity, loading and suitability for accessible pedestrian routes for approval; including 100 mm concrete surround, excavation, formwork, disposal of surplus material, end caps, outlets, access units, connections to surface-water drainage and reinstatement of adjoining finishes; laid to required levels and falls; all in accordance with the manufacturer's recommendations and the Architect's and Engineer's drawings and specification.</i>	16	nr		
C	Drainage Channels to entrance areas	9	m		
				To Collection €	

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) DRAINAGE</u> <u>(Cont) Drainage Below Ground - Storm Water</u> <u>(Cont) Accessories</u> Water Butts <i>Proprietary water butt for rainwater collection; capacity, colour and finish to approval; complete with secure removable lid, draw-off tap, raised stand and stable level base; including rainwater downpipe diverter, inlet connection, overflow connected to rainwater gully trap (RWGT), all pipework, fittings, seals, brackets and fixings; Contractor to submit product and installation proposals for approval; installed and tested in accordance with the manufacturer's recommendations and the Architect's and Engineer's drawings and specification.</i>				
A	Water Butts <u>Inspection Chambers</u> Inspection Chambers, Complete; Blockwork Inspection Chamber; Internal Dims: 600x600mm diameter; 600mm x 600mm opening in slab; 225mm C25/30 Concrete base on 75mm grade C12/15 bliding concrete; 50mm cross fall; Manhole Construction: 215mm thick 20N/mm² concrete block work in accordance with IS EN 771-3; Pipes built into chamber wall or joint formed with watertight seals; Refer to drawing STD-WW-07 for backfill and bedding details; 1 to 3 courses of class B engineering bricks to Engineer's Specification set in C50/60 mortar; cover to be set as per manufacturers specification; sealed manhole cover to suit IS EN 124 loading; including all necessary excavation, disposal, working space, earthwork support, dewatering, backfilling, formwork, reinforcement, construction joints, concrete lintols and finishes; all as per Engineers Drawings and Specification	4	Nr		
B	Depth to invert 500 - 1000mm	27	Nr		
To Collection €					

Description	Qty	Unit	Rate	Amount
(Cont) DRAINAGE				
(Cont) Drainage Below Ground - Storm Water				
<u>Manholes</u>				
Manholes, Complete; Precast Manhole; Internal Dims: 1200mm diameter; 600mm x 600mm opening in slab; 500mm C30/37 mm Reinforced Concrete Foundations on 75mm grade C12/15 bliding concrete; invert in base should be formed with cast in-situ concrete C25/30 20mm aggregate finished with a 1:3 cement sand mortar; Manhole Construction : 150mm thick grade C16/20 in-situ concrete surround; Precast concrete manhole rings to IS 420 in conjunction with IS EN 1917:2004; 1:3 cement:sand mortar with steel towel finish at a 1:30 slope towards the channel; when chamber is occupied where the pipe; precast RC roof slab shall be 225mm thick in Class 30N/20mm with 40mm cover to steel; 1 to 3 courses of class B engineering bricks to Engineer's Specification set in C50/60 mortar; short length pipe and pipe joint external to manhole shall not exceed 600mm from the inner face of manhole wall; pipe should be cut flush with the inside surface of the manhole wall so that the channel extends the full length of the manhole; including all necessary excavation, disposal, working space, earthwork support, dewatering, backfilling, formwork, reinforcement, construction joints, concrete lintols and finishes; all as per specification and Engineers Specification and Drawing				
Depth to invert 0500 - 1000mm	1	nr		
Depth to invert 1000 - 1500mm	3	nr		
To Collection €				

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) DRAINAGE</u> <u>(Cont) Drainage Below Ground - Storm Water</u> <u>(Cont) Manholes</u> Hydrobrake Manhole, complete with Hydrobrake System to Limit Outflow to 0.5L/S/HA; Complete; include for tapered base to chamber, include for Athlon OSA penstock gate valve, remotely operated stopper mounted in support guide bracket fixed under manhole cover; include for overflow pipe at level equal to top of attenuation tank; internal diameter 1200mm; 300mm thick CL C25/30 mass concrete base, 1775x1775mm ; laid on 50mm thick concrete blinding; precast chamber manhole to IS EN 1917 & IS 420:2004; include for taper section or reducing slab as per Engineer's drawings; precast chamber to be surrounded with 150mm thick concrete C20/25 ; 1775x1775x200mm thick precast RC cover slab class 30N/20mm with 40mm cover to steel to take full traffic loading, include for 600x600 and 300x300 ope for access; 1 to 2 courses of solid engineering brick CL B to IS EN 771 set in 1:3 cement mortar between cover slab and 2no. access cover; include for short length pipes & joints, toe holes, backfilling to sides of manhole, mortar bedding, rocker pipes, construction joints, all necessary excavation, disposal, working space, earthwork support, dewatering, backfilling, formwork, reinforcement, concrete lintols and finishes; all as per Engineer's Specification Drawing				
A	Depth to invert 1000 - 1500mm	1	nr		
	<u>Sundries</u> Approved pattern cast iron manhole cover and frame; Class D400 to IS/EN 124; 150mm deep; non rock design; closed keyways; manufactured from sphericial graphite cast iron (ductile cast iron), 600x600 clear opening; cover and frame coated in bitumen or other approved material; cover to have a minimum mass of 140kg/m2; frame bedding area shall be 80,000mm2 min; frames shall be designed to prevent covers falling into manholes; frames shall be bedded on approved mortar to manufacturers instructions				
B	Ope size 600 x 600mm	5	nr		
				To Collection €	

Description		Qty	Unit	Rate	Amount
(Cont) DRAINAGE					
(Cont) Drainage Below Ground - Storm Water					
<u>Attenuation</u>					
Composite Item					
Underground surface-water attenuation chamber trench; StormTech SC-310 or similar approved system providing 52.80 m³ attenuation storage; top water level 99.675 m, chamber invert level 99.115 m and trench invert level 98.965 m; system suitable for imposed earth and traffic loads; including all excavation, working space, earthwork support, dewatering, preparation of formation and disposal of surplus excavated material off site to authorised disposal facilities; supply and placement of specified stone bedding, surround and cover to the approved design, geotextile and membranes where detailed, backfilling and compaction; Including chambers, end caps, distribution and underdrain pipework, fittings, inlet and outlet connections, isolator flows, inspection ports, risers and access covers with associated concrete surrounds; testing and commissioning; Contractor to submit complete system proposals, storage and structural calculations, material specifications and installation details for approval; installed in accordance with the manufacturer's recommendations, DFK Drawing 106 and its relevant attenuation sections and details, and the Engineer's specification; additional 10.50 m³ storage within permeable paving elsewhere measured, providing total combined attenuation storage of 63.30 m³.					
A	Composite item; Attenuation system complete providing 53m3 of storage capacity	1	item		
				To Collection €	

	Description	Qty	Unit	Rate	Amount
	(Cont) DRAINAGE (Cont) Drainage Below Ground - Storm Water <u>Filter Drain</u> Composite Item <i>Filter drain along boundary line; comprising 225 mm diameter perforated pipe wrapped in permeable geotextile and laid to a gradient of 1:400, bedded and surrounded in 20–50 mm clean, crushed angular stone; including clearing foliage and vegetation as required, excavating and forming ditch to the profile and dimensions shown on DFK Drawing 106, Filter Drain Section; including setting out, earthwork support, dewatering, preparation of formation, pipe fittings, junctions and connections to the drainage network, and all geotextile laps, joints and securing; placing stone without impairing permeability, reinstating surface finishes as detailed and disposing of surplus excavated material, vegetation and debris off site to an authorised disposal facility; including flushing and testing; all in accordance with the manufacturer's recommendations and DFK's drawings and specification.</i>				
A	Composite item; filter drain to boundary line; 3500mm wide x 1000mm to invert <i>Extra over for</i>	80	m		
B	Connection to SWMH 01	1	nr		
C	Connection of new drainage pipe to existing manhole; including excavation to expose chamber wall, core-drilling opening to suit pipe diameter and invert level, installing pipe with suitable watertight connector and sealing around penetration; making good chamber wall, benching and channel to accommodate new connection; maintaining existing drainage flows throughout the works; including testing, backfilling, compaction, reinstatement of disturbed surfaces and disposal of surplus material off site; all in accordance with the Engineer's drawings and specification	1	item		
To Collection €					

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) DRAINAGE</u>				
	<u>(Cont) Drainage Below Ground - Storm Water</u>				
	<u>(Cont) Filter Drain</u>				
	Inspection Chamber				
A	Inspection and non-return valve chamber adjacent to formed earth berm; suitable for 225 mm diameter filter-drain pipework discharging to the existing ditch drain to the west; incorporating an accessible one-way non-return valve to prevent reverse flow; chamber dimensions and access opening sufficient for valve operation, inspection, maintenance and replacement; comprising blockwork walls, concrete base and blinding, cover slab and sealed access cover and frame suitable for imposed loading; including watertight pipe connections, channels, benching, valve supports and all fittings; excavation, working space, earthwork support, dewatering, concrete, reinforcement where required, backfilling, reinstatement and disposal of surplus material off site; testing of connections and valve operation; Contractor to submit chamber construction, dimensions, valve specification and installation proposals for approval; all in accordance with DFK's drawings and specification.	1	nr		
	<u>Testing and Commissioning</u>				
B	^^^TESTING OF SEWERS: All foul and storm drainage pipes to be tested in accordance with clause 3.20 Recommendations for Site Development Works for Housing areas by the DOE&LG. The contractor is to engage an engineer with professional indemnity insurance to supervise all air/water tests on sewer mains and watermain before backfilling. Manhole infiltration Manholes shall be tested for infiltration according to clause 3.21 Recommendations for Site Development Works for Housing areas by the DOE&LG.	1	item		
C	^^^1. PREPARATION: (a) The section of pipeline to be tested shall consist of one class of pipe only. (b) Pipe joints shall be left exposed during the test. (c) Each pipe opening shall be securely plugged by means of screw down sewer plugs, fitted across the diameter of the pipes.	1	item		
D	^^^2. FLUSHING: (a) Before backfilling or haunching, each length of sewer or drain between manholes, or such lengths as may be decided upon by the Test Engineer/Supervisor, shall be cleaned through (e.g. by dragging a suitable rubber plunger through the pipe). (b) A sufficient interval of time shall be allowed to elapse to permit the joints to set to the satisfaction of the Test Engineer/Supervisor.	1	item		
To Collection €					

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) DRAINAGE</u> <u>(Cont) Drainage Below Ground - Storm Water</u> <u>(Cont) Testing and Commissioning</u>				
A	^^^3. PRESSURE TESTING: Air Test: (i) Air shall be pumped into the line by suitable means until a pressure of 100mm head of water is indicated on a U-tube connected to the system. (ii) The system shall be allowed to stabilise, and pumped again until the pressure of 100mm is reached once more. (iii) The air pressure shall not fall to less than 75mm head during a period of 5 minutes without further pumping. Failure to pass an air test should not be taken as conclusive. When failure occurs, a water test should be undertaken. Acceptance or rejection of the line under test should be based on the results of this water test.	1	item		
B	^^^Water Test: (iv) A hydraulic pressure of not less than 1.2 meters and not more than 2.5 meters of water over the soffit of the sewer shall be applied to the higher end of the test section by means of a standpipe. (v) The section under test shall be allowed to stand for 1 hour to accommodate absorption. The head at the lower end shall not exceed 6.0 metres, and steeply graded sewers shall be tested in sections where the latter pressure would be exceeded if the whole section were tested at once. (vi) The loss of water over the test period shall be measured by adding water to the standpipe from a measuring vessel at 10-minute intervals and noting the quantity required to maintain water level in the standpipe. (vii) The average quantity of water added shall not exceed 0.5 litres of water per mm bore of main per 100m of pipeline per 24 hours. (viii) The Test Pressure shall be maintained for at least twenty minutes and the pipes shall bear the test without signs of leakage or injury either on the joints or on the barrels. Any defective joints or pipes shall be removed and made good to the satisfaction of the Test Supervisor.	1	item		
C	^^^4. INFILTRATION TEST: (a) On completion, an infiltration test will be carried out unless otherwise directed by the Test Engineer/Supervisor, by collecting the discharge of the section under test in a vessel of known capacity. Non-pressure pipelines and manholes shall be inspected and tested for infiltration, after backfilling. All inlets to the system shall be effectively closed, and any residual flow shall be deemed to be infiltration. (b) The rate of infiltration shall not exceed 0.1 litres per second, per metre diameter per kilometre of pipe. (c) Notwithstanding the satisfactory completion of the above inspection or test, if there is any discernible flow of water entering the sewers or manholes which can be seen either by visual or CCTV inspection, the Developer shall take measures as are necessary to stop such infiltration. The contractor Engineer shall conduct these tests and an Engineers Certification shall be submitted in regard to sewer tests prior to completion of the development.	1	item		
To Collection €					

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) DRAINAGE</u> <u>(Cont) Drainage Below Ground - Storm Water</u> <u>(Cont) Testing and Commissioning</u>				
A	^^^WATER TIGHTNESS OF MANHOLES, CHAMBERS AND PUMP CHAMBERS; These shall be inspected to ensure that they are watertight with no identifiable flow of water penetrating the chamber.	1	item		
B	^^^FAILURE OF TESTS & REMEDIAL WORKS; The failing of tests and any subsequent remedial works must be notified to the Consultant Engineer. Remedial works to be approved by Consultant Engineer. Further tests to be carried out and any further remedial works completed until the required tests yield a PASS result. All pipelines or manholes that are defective will have to be rectified by the Developer at their own expense.	1	item		
C	^^^CLEANING OF SEWERS, DRAINS & MANHOLES; At the time of completion of the drainage works, the developer should ensure, to the satisfaction of the local authority, that all sewers, drains and manholes within the site are clean and free from obstructions. This is to be carried out prior to internal inspections such as CCTV surveys.	1	item		
D	^^^AS-BUILT INSPECTIONS & SURVEYS CCTV; A CCTV survey must be carried out by an independent contractor of the as-built foul and storm drainage main drainage lines and associated manholes, as shown on the engineering drawings, on completion of the works. The CCTV survey is also to include all the permitter drainage as shown on the architects drawing and is to include all the under slab pipe work upto the floor pop ups. Provide continuous recording with still photographs. Illumination to be of adequate intensity. The CCTV survey shall include a DVD of recordings and narrative report. Report to include photographs of each manhole and clearly identify the manhole and location on site by providing a site layout showing the positions of all manholes relative to the road and/or dwelling outline. Two copies of the report and DVD to be submitted to the Consultant Engineer prior to practical completion. The CCTV survey to be submitted to the Consultant Engineer for review and any pipelines or manholes that are defective will have to be rectified by the Developer. A repeat CCTV survey is to be carried out for this section of pipeline or manhole, this is at the Developers own expense. Complete testing to be done in two different stages: Initially a copy of the CCTV survey including a diagrammatic layout of the sewer is to be submitted to the engineer prior to backfilling of works. On completion of works a cctv survey is to be carried out on the existing and new drainage in the public sewer. The contractor is to carry out a cctv survey of all public sewers in the vicinity of the site including all spurs into the public sewer coming out of the site.	1	item		
To Collection €					

Description		Qty	Unit	Rate	Amount
A	<u>(Cont) DRAINAGE</u> <u>(Cont) Drainage Below Ground - Storm Water</u> <u>(Cont) Testing and Commissioning</u>				
	^^AS-BUILT SURVEY; Upon completion of all ground works, in relation to services and drainage, an as-built topographical survey must be submitted including - location of manholes relative to the building outline - cover and invert levels and pipe diameters - location of gullies relative to the road edge - identify the location and type of drainage pipeline for the entire drainage length - location and type of service access points - identify the location and type of each service run around the site for its entire length This is to be submitted to the Consultant Engineer for review prior to practical completion. The topographical survey is to be submitted in AutoCAD with two hard copies of adequate scale.	1	item		
To Collection €					

(50) SITE SERVICES - FOUL DRAINAGE

Description	Qty	Unit	Rate	Amount
<u>(50) SITE SERVICES - FOUL DRAINAGE</u>				
<u>DRAINAGE</u>				
General Information				
<u>Information</u>				
^^^When pricing the following items the Contractor's attention is drawn to the location of the site. The Contractor should also visit and check the site. No claims on the grounds of want of knowledge in respect of the above will be entertained whatsoever.		Note		
^^^Any un-authorised excavations below the required level shall be made up with concrete of the same composition as for drain beds at the Contractors own expense; all as per Architects Specification		Note		
Drainage Below Ground - Foul Water				
<u>Excavation</u>				
Excavating trenches to receive pipes / ducts not exceeding 250mm diameter, earthwork support to sides of trenches; include for excavating below ground water level; grading bottoms of excavations; backfilling with imported selected fill material approved by the Engineer; disposal of surplus soil off site; All surplus materials to be disposed of off-site to a licenced waste disposal facility granted by the EPA under Section 40 of the Waste Management Act or by the Local Authority under the Waste Facility Permit Regulations				
Average Depth 500- 1000mm	53	m		
Average Depth 1500- 2000mm	60	m		
<u>Extra over excavating trenches irrespective of depth</u>				
Disposal				
Ground water	1	item		
Surface water	1	item		
			To Collection €	

Description		Qty	Unit	Rate	Amount
(Cont) DRAINAGE					
(Cont) Drainage Below Ground - Foul Water					
<u>Granular fill bed and surround; 14mm or 5mm graded aggregate or 10mm single sized aggregate; complying with the requirements of the Engineer's Specification; compaction factor value not greater than 0.2 when measured in accordance with Engineer's Specification; well compacted; as per Engineer's Drawings & Specification</u>					
Beds and Surround					
A	600 x 650mm to 150mm diameter pipe	113	m		
<u>Pipe; PVC SN8 pipework and fittings; to Engineer's Specification</u>					
Pipes; loose couplers and ceiling ring joints in the running length					
B	150mm diameter	113	m		
Extra over pipework runs for					
C	connection to AJ	10	nr		
D	connection to BIGT	4	nr		
<u>Pipe; PVC SN8 pipework and fittings; to Engineer's Specification</u>					
Pipes; loose couplers and ceiling ring joints in the running length					
E	150mm diameter	113	m		
Extra over pipework runs for					
F	connection to manholes	2	nr		
G	connection to foul pump station	1	nr		
H	Saddle Connectionss; 150 to 150mm	2	nr		
I	T-Junctions; 150 x 150 x 150mm	2	nr		
				To Collection €	

Description	Qty	Unit	Rate	Amount
(Cont) DRAINAGE (Cont) Drainage Below Ground - Foul Water <u>Accessories</u> Back Inlet Gully Trap; complete; as per Architect's Specification Q10; Manufacturer: Contractor to submit proposals for selection by ER; Type: Back inlet Bottle gully (roddable) to requirements of BS4660: 2000; Cover: Square topped grating to be galvanised steel to requirements of BS EN1253: Part 2. Grating to allow for surface water collection; Support: 300x300x200mm deep concrete base and lean mix of concrete (no richer than 1 in 18) should support the Bottle Gully ; surrounded with granular backfill. To ensure the gully is easily accessible for cleaning out, its base should be within easy reach from ground level; jointed to PVC pipes; include for all excavation, disposal, backfilling, concrete, formwork, etc; as per Architect's Specification				
A Back Inlet Gully Trap; 100mm outlet; galvanised cast iron grid cover Access junctions to Engineer's Specification; complete with cast iron access cover; bedding and surrounding in concrete Grade 25N20; backfilling with granular material; including all necessary excavations, disposal, dewatering, back filling, etc; as per Engineers Drawings and Specification	4	nr		
B Access junction; 150mm / 100mm outlets; include for all depth extensions	10	nr		
To Collection €				

Description		Qty	Unit	Rate	Amount
(Cont) DRAINAGE					
(Cont) Drainage Below Ground - Foul Water					
<u>Manholes</u>					
Manholes, Complete; Precast Manhole; Internal Dims: 1200mm diameter; 600mm x 600mm opening in slab; 225mm C28/35 Mass Concrete Foundations concrete; invert in base should be formed with cast in-situ concrete C25/30 20mm aggregate finished with a 1:3 cement sand mortar; Manhole Construction: 150mm thick grade C16/20 in-situ concrete surround; Precast concrete manhole rings to IS 420 in conjunction with IS EN 1917:2004; 1:3 cement:sand mortar with steel towel finish at a 1:30 slope towards the channel; when chamber is occupied where the pipe; precast RC roof slab shall be 200mm thick in Class C25/30 with 40mm cover to steel; 1 to 3 courses of class B engineering bricks to Engineer's Specification set in C50/60 mortar; short length pipe and pipe joint external to manhole shall not exceed 600mm from the inner face of manhole wall; pipe should be cut flush with the inside surface of the manhole wall so that the channel extends the full length of the manhole; including all necessary excavation, disposal, working space, earthwork support, dewatering, backfilling, formwork, reinforcement, construction joints, concrete lintols and finishes; all as per Irish Water Details STD-WW-10					
A	Depth to invert 1000 - 1500mm	1	nr		
B	Depth to invert 2000 - 2500mm	1	nr		
<u>Sundries</u>					
Approved pattern cast iron manhole cover and frame; Class D400 to IS/EN 124; 150mm deep; non rock design; closed keyways; manufactured from spheroidal graphite cast iron (ductile cast iron), 600x600 clear opening; cover and frame coated in bitumen or other approved material; cover to have a minimum mass of 140kg/m²; frame bedding area shall be 80,000mm² min; frames shall be designed to prevent covers falling into manholes; frames shall be bedded on approved mortar to manufacturers instructions					
C	Ope size 600 x 600mm	2	nr		
				To Collection €	

	Description	Qty	Unit	Rate	Amount
	(Cont) DRAINAGE				
	(Cont) Drainage Below Ground - Foul Water				
	<u>Like Items: Proprietary Units: Foul Pumping Station & Valve Chamber</u>				
A	Supply & Installation of Foul Pump System, Associated Valves, Wet well Chamber and associated Valve Chamber; all in accordance with the Engineer's Specification for Foul Pumping Station and Associated Infrastructure; complete; Pump station to have two submersible pumps; Pumps to be provided on a duty / standby control arrangement; Plater to be provided near top of wet well chamber to allow nomination of the pumps; Include for Wet and Control Kiosk by FM Environmental; Electrical and control equipment to be located in a vandal resistant Kiosk situated adjacent to the pumping station, complete with ammeter for each pump, hours run meter for each pump, socket to accept a power supply from a portable standby generator, etc. include for concrete hard standing and 450mm thick concrete plinths; Telemetry outstation to be provided for data reporting to maintenance contractor; Alert system and call out emergency response to be provided in the event of plant breakdown or malfunction; Flow metering facilities to be provided; Covers to wet well and valve chamber are to be 'Galco Assist Lift Access Covers' or equivalent with safety grid and LPS 1175 SR3 security rating; Pumps guide rails to be of galvanised mild steel or stainless steel (grade 316) and certified, stainless steel lifting chain (designed to BS4942); Discharge pipework within the wet well to be complete with bends, tee-pieces, fittings, etc. to link the wet well pipework to the valve chamber pipework; Pipework within the valve chamber to incorporate isolation valves (one per pump installed), non-return valves (one per pump installed), bends, teepieces, Flange adaptors; All pipework and valves to be of ductile iron PN16; Pump motors to be high efficiency with Class F insulation and IP68 rating; include indicator plates; include for vent stack and wash down;				
B	include for wet well manhole; Internal Dims: 1900mm diameter; 4200mm deep; 1400mm x 900mm opening in slab; 100mm wide x 60mm deep must be left around top edge of clear opening; 2700x2700x300mm C30/37 Reinforced Concrete Foundations with A393 mesh top and bottom on 75mm grade C12/15 bliding concrete; Precast Concrete DN1800 Standard Catch Pit; Benching 45 degree min. slope; Wet well Construction: 300mm thick grade C20/25 in-situ concrete surround; Precast concrete manhole rings to IS 420 in conjunction with IS EN 1917:2004; precast RC roof slab shall be 225mm thick in Class 30N/20mm with 40mm cover to steel; include for forming openings in chamber surround and precast rings for 225mm dia storm pipe; 3no. 80mm dia pipes ope;				
To Collection €					

	Qty	Unit	Rate	Amount
(Cont) DRAINAGE (Cont) Drainage Below Ground - Foul Water <u>(Cont) Like Items; Proprietary Units; Foul Pumping Station & Valve Chamber</u> A include for Pumping Station Valve Chamber, Complete; Internal Dims: 2150mm x 1800mm wide; 1400mm x 900mm opening in slab; 100mm wide x 60mm deep must be left around top edge of clear opening; 300mm C30/37 mm Reinforced Concrete Foundations on 75mm grade C12/15 bliding concrete; Valve Chamber Construction: 225mm thick grade C20/25 in-situ concrete surround; precast RC roof slab shall be 225mm thick in Class 30N/20mm with 40mm cover to steel; include for concrete trust block to bend; include for forming openings in valve chamber surround for 2 no. non return valves opes; 2no. 150 dia. cable opes; spigot pipe ope; flexible couplings ope; 2no. 80mm dia ope; 100mm dia pipe ope; include for forming openings in chamber surround; including all necessary excavation, excavating below ground water level; disposal, working space, earthwork support, dewatering, backfilling, concrete, formwork, reinforcement, construction joints, concrete lintols and finishes; all as per Engineers Civil Specification, Performance Specification for Foul Pumping Station & Associated Infrastructure and Drawing 1301 B ^^Composite Item; Foul Pump System, Storage Tank, Wet well Chamber, associated Valve Chamber, Duct Chamber and Flow Meter Chamber; complete	1	item		
To Collection €				

Description	Qty	Unit	Rate	Amount
(Cont) DRAINAGE (Cont) Drainage Below Ground - Foul Water <u>WWTP</u> Composite Item 50 PE wastewater treatment system; O'Reilly Oakstown SuperBAF or equal approved system from an equal approved supplier, supplied and installed complete in accordance with Hydrocare's Site Characterisation Report and the approved specialist's design; comprising precast concrete primary settlement, anoxic, aeration and clarification tanks, treated-effluent discharge/pump chamber, effluent and internal process pumps, air blower, diffusers, treatment media, control kiosk and electrical control panel; including access covers and frames suitable for imposed loading, internal and interconnecting pipework, valves, fittings, seals, ventilation, and internal cabling and connections between kiosk and treatment plant. Including setting out, excavation, working space, earthwork support, dewatering and control of water ingress, preparation and compaction of formation, and minimum 300 mm thick compacted stone base; foundations, surrounds and anti-flotation measures where required by the approved installation design; all reinforcement, formwork, tank anchorage, craneage, unloading, positioning and assembly; selected backfill placed and compacted in layers, and removal of surplus excavated material and construction waste off site, to authorised disposal facilities, including disposal charges. Including connection to incoming foul drainage and discharging treated effluent pipework at the plant interfaces; temporary filling and refilling of tanks as required, testing for watertightness, pump testing, commissioning, operational demonstration, certification, operating and maintenance manuals and staff training; Contractor to submit complete system proposals, coordinated installation drawings, base and anti-flotation details, pump duties and electrical requirements for approval; all in accordance with Hydrocare's report, the Engineer's drawings and specifications and the Architect's and Engineer's drawings and specifications. Percolation area, sand polishing filter, gravel distribution bed and associated distribution pipework elsewhere measured, separate upstream raw-wastewater pump station and incoming electrical supply elsewhere measured.				
A Composite item; 50 PE WWTP; complete	1	item		
To Collection €				

Description	Qty	Unit	Rate	Amount
(Cont) DRAINAGE (Cont) Drainage Below Ground - Foul Water <u>Polishing Filter & Distribution Bed</u> Composite Item Percolation system serving the 50 PE wastewater treatment plant; comprising 147 m² sand polishing filter over 1,225 m² gravel distribution bed, complete with filter media, distribution pipes, effluent discharge, ventilation and connections to the treatment plant Sand polishing filter comprising coarse sand layers of 200 mm, 150 mm and 150 mm thickness, separated by two 25 mm layers of washed 8-32 mm gravel; sand effective size D10 of 0.25-0.75 mm and uniformity coefficient D60/D10 less than 4, professionally certified as fit for purpose; upper washed 8-32 mm gravel layer providing 250 mm below distribution-pipe invert and 150 mm protection above pipe invert, as detailed; including geotextile separation beneath minimum 300 mm topsoil cover and impermeable lining membrane to filter; sidewalls, complete with all laps, joints, seals and returns Underlies distribution bed, comprising minimum 300 mm thickness of washed and graded 10-20 mm gravel/stone over the specified 1,225 m² area, with minimum void ratio of 0.4 as detailed; maintaining minimum 900 mm separation between the underside of the distribution bed and bedrock or seasonal high ground water level Including pressurised distribution pipe work, manifolds, fittings, 8 mm diameter downward-facing orifices at the 4, 6 and 8 o'clock positions at 75 mm centres as detailed; orifice sizes, lateral diameters and spacing to be coordinated with the pump discharge duty; including vents, inspection and maintenance points for rodding, flushing, and scouring, and connections to the treatment plant discharge Including setting out, excavation, working space, earthwork, support, dewatering, preparation and protection of formation, supply and placement of filter materials without contamination or impairment of permeability, backfilling, shaping, topsoiling, seeding and reinstatement; removal of surplus excavated materials, and construction waste off-site to authorised disposal Contractor to submit coordinated installation proposals, material grading certificates, sand certification, pipework layout, formation levels and commissioning arrangements for approval; installation under competent supervision, testing of distribution, commissioning, certification by a suitably qualified person, as-built records and maintenance instructions; all in accordance with Hydrocare's Site Characterisation Report, DFK Drawing 103 and the sand polishing filter cross-section referencing EPA Code of Practice 2021, page 49, Figure 8.5; treatment tanks and pumping equipment elsewhere measured.				
A Composite item; Percolation area 147m2 incl all pipework & distribution bed	1	item		

To Collection €

	Description	Qty	Unit	Rate	Amount
	(Cont) DRAINAGE				
	(Cont) Drainage Below Ground - Foul Water				
	<u>Testing and Commissioning</u>				
A	^^^The contractor is to include for the employment of a chartered engineer with Professional Indemnity insurance to €6.5m to supervise and witness the installation and backfilling of all air tests/ water & other Irish Water QA as required under the Irish Water Quality Assurance (QA) field inspection requirements manual, January 2018 version 2.		item		
B	^^^It is a requirement of the main contractor to agree the required QA with the IW field inspectors, retain all the QA documents on site & repair any defects. The main contractors chartered engineer & the main contractor are responsible for agreeing on site conformance with IW prior to hand over of the works to IW. The price for all the above is deemed to be included in the main contractors tender sum.		item		
C	^^^TESTING OF SEWERS: All foul and storm drainage pipes to be tested in accordance with clause 3.20 Recommendations for Site Development Works for Housing areas by the DOE&LG. The contractor is to engage an engineer with professional indemnity insurance to supervise all air/water tests on sewer mains and watermains before backfilling. Manhole infiltration Manholes shall be tested for infiltration according to clause 3.21 Recommendations for Site Development Works for Housing areas by the DOE&LG.		item		
D	^^^1. PREPARATION: (a) The section of pipeline to be tested shall consist of one class of pipe only. (b) Pipe joints shall be left exposed during the test. (c) Each pipe opening shall be securely plugged by means of screw down sewer plugs, fitted across the diameter of the pipes.		item		
E	^^^2. FLUSHING: (a) Before backfilling or haunching, each length of sewer or drain between manholes, or such lengths as may be decided upon by the Test Engineer/Supervisor, shall be cleaned through (e.g. by dragging a suitable rubber plunger through the pipe). (b) A sufficient interval of time shall be allowed to elapse to permit the joints to set to the satisfaction of the Test Engineer/Supervisor.		item		
To Collection €					

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) DRAINAGE</u> <u>(Cont) Drainage Below Ground - Foul Water</u> <u>(Cont) Testing and Commissioning</u>				
A	^^^3. PRESSURE TESTING: Air Test: (i) Air shall be pumped into the line by suitable means until a pressure of 100mm head of water is indicated on a U-tube connected to the system. (ii) The system shall be allowed to stabilise, and pumped again until the pressure of 100mm is reached once more. (iii) The air pressure shall not fall to less than 75mm head during a period of 5 minutes without further pumping. Failure to pass an air test should not be taken as conclusive. When failure occurs, a water test should be undertaken. Acceptance or rejection of the line under test should be based on the results of this water test.		item		
B	^^^Water Test: (iv) A hydraulic pressure of not less than 1.2 meters and not more than 2.5 meters of water over the soffit of the sewer shall be applied to the higher end of the test section by means of a standpipe. (v) The section under test shall be allowed to stand for 1 hour to accommodate absorption. The head at the lower end shall not exceed 6.0 metres, and steeply graded sewers shall be tested in sections where the latter pressure would be exceeded if the whole section were tested at once. (vi) The loss of water over the test period shall be measured by adding water to the standpipe from a measuring vessel at 10-minute intervals and noting the quantity required to maintain water level in the standpipe. (vii) The average quantity of water added shall not exceed 0.5 litres of water per mm bore of main per 100m of pipeline per 24 hours. (viii) The Test Pressure shall be maintained for at least twenty minutes and the pipes shall bear the test without signs of leakage or injury either on the joints or on the barrels. Any defective joints or pipes shall be removed and made good to the satisfaction of the Test Supervisor.		item		
C	^^^4. INFILTRATION TEST: (a) On completion, an infiltration test will be carried out unless otherwise directed by the Test Engineer/Supervisor, by collecting the discharge of the section under test in a vessel of known capacity. Non-pressure pipelines and manholes shall be inspected and tested for infiltration, after backfilling. All inlets to the system shall be effectively closed, and any residual flow shall be deemed to be infiltration. (b) The rate of infiltration shall not exceed 0.1 litres per second, per metre diameter per kilometre of pipe. (c) Notwithstanding the satisfactory completion of the above inspection or test, if there is any discernible flow of water entering the sewers or manholes which can be seen either by visual or CCTV inspection, the Developer shall take measures as are necessary to stop such infiltration. The contractor Engineer shall conduct these tests and an Engineers Certification shall be submitted in regard to sewer tests prior to completion of the development.		item		
To Collection €					

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) DRAINAGE</u> <u>(Cont) Drainage Below Ground - Foul Water</u> <u>(Cont) Testing and Commissioning</u>				
A	^^^WATER TIGHTNESS OF MANHOLES, CHAMBERS AND PUMP CHAMBERS; These shall be inspected to ensure that they are watertight with no identifiable flow of water penetrating the chamber.		item		
B	^^^FAILURE OF TESTS & REMEDIAL WORKS; The failing of tests and any subsequent remedial works must be notified to the Consultant Engineer. Remedial works to be approved by Consultant Engineer. Further tests to be carried out and any further remedial works completed until the required tests yield a PASS result. All pipelines or manholes that are defective will have to be rectified by the Developer at their own expense.		item		
C	^^^CLEANING OF SEWERS, DRAINS & MANHOLES; At the time of completion of the drainage works, the developer should ensure, to the satisfaction of the local authority, that all sewers, drains and manholes within the site are clean and free from obstructions. This is to be carried out prior to internal inspections such as CCTV surveys.		item		
D	^^^AS-BUILT INSPECTIONS & SURVEYS CCTV; A CCTV survey must be carried out by an independent contractor of the as-built foul and storm drainage main drainage lines and associated manholes, as shown on the engineering drawings, on completion of the works. The CCTV survey is also to include all the permitter drainage as shown on the architects drawing and is to include all the under slab pipe work upto the floor pop ups. Provide continuous recording with still photographs. Illumination to be of adequate intensity. The CCTV survey shall include a DVD of recordings and narrative report. Report to include photographs of each manhole and clearly identify the manhole and location on site by providing a site layout showing the positions of all manholes relative to the road and/or dwelling outline. Two copies of the report and DVD to be submitted to the Consultant Engineer prior to practical completion. The CCTV survey to be submitted to the Consultant Engineer for review and any pipelines or manholes that are defective will have to be rectified by the Developer. A repeat CCTV survey is to be carried out for this section of pipeline or manhole, this is at the Developers own expense. Complete testing to be done in two different stages: Initially a copy of the CCTV survey including a diagrammatic layout of the sewer is to be submitted to the engineer prior to backfilling of works. On completion of works a cctv survey is to be carried out on the existing and new drainage in the public sewer. The contractor is to carry out a cctv survey of all public sewers in the vicinity of the site including all spurs into the public sewer coming out of the site.		item		
				To Collection €	

Description	Qty	Unit	Rate	Amount
<u>(Cont) DRAINAGE</u> <u>(Cont) Drainage Below Ground - Foul Water</u> <u>(Cont) Testing and Commissioning</u> A ^^AS-BUILT SURVEY; Upon completion of all ground works, in relation to services and drainage, an as-built topographical survey must be submitted including - location of manholes relative to the building outline - cover and invert levels and pipe diameters - location of gullies relative to the road edge - identify the location and type of drainage pipeline for the entire drainage length - location and type of service access points - identify the location and type of each service run around the site for its entire length This is to be submitted to the Consultant Engineer for review prior to practical completion. The topographical survey is to be submitted in AutoCAD 2010 with two hard copies of adequate scale.		item		
			To Collection €	

Description		Qty	Unit	Rate	Amount
<u>(50) SITE SERVICES - WATERMAIN</u>					
<u>SECTIONAL COMPLETION</u>					
A	Contractor to note that all works in this project are being completed in Sections as per Proposed Ground Floor Plan drawing T100/C & DFK Drawing 23003-103; Contractor to take cognisance when pricing the items included in this element as all measurement / items included herein is for the complete Works; no claims on the grounds of want of knowledge will be entertained whatsoever	1	item		
B	Contractor must include either in this item or within their rates within this element for the Works to be completed in Sections	1	item		
<u>DRAINAGE/SERVICES - WATERMAIN DIVERSION</u>					
Builders Work in Connection With Watermains					
<u>Excavation</u>					
Excavating trenches to receive pipes / ducts not exceeding 250mm diameter, earthwork support to sides of trenches; include for excavating below ground water level; grading bottoms of excavations; backfilling with imported compacted stone fill in strict accordance with Irish Water guidelines; disposal of surplus soil off site; All surplus materials to be disposed of off-site to a licenced waste disposal facility granted by the EPA under Section 40 of the Waste Management Act or by the Local Authority under the Waste Facility Permit Regulations					
C	Average Depth 500-1000mm	24	m		
<u>Extra over excavating trenches irrespective of depth</u>					
Breaking up & Reinstating					
<i>Breaking up existing concrete floor within classroom to access service connection point; including carefully cutting and lifting existing Marmoleum flooring, saw-cutting concrete edges, excavation and disposal of arising materials off site to an authorised disposal facility; reinstating sub-base, membranes, insulation, concrete floor and screed to match existing construction; including repairing Marmoleum flooring with matching material, securely bonded and jointed to provide a neat, flush finish with adjoining retained flooring</i>					
D	Excavating through existing classroom floor incl re-instatement	4	m		
				To Collection €	

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) DRAINAGE/SERVICES - WATERMAIN DIVERSION</u> <u>(Cont) Builders Work in Connection With Watermains</u> <u>(Cont) Extra over excavating trenches irrespective of depth</u> <u>(Cont) Breaking up & Reinstating</u> <i>Breaking out existing macadam surfacing; including saw-cutting neat edges, excavation and disposal of arising materials off site to an authorised disposal facility; reinstating sub-base with Clause 808 material where necessary, compacted in layers, and replacing macadam surfacing to match existing thickness, finish, levels and falls; including bond coats, compaction; and forming neat, sealed joints with retained surfaces; all in accordance with the Engineer's drawings and specification.</i>				
A	Excavating through existing macadam playarea	6	m		
	Disposal				
B	Ground water	1	item		
C	Surface water	1	item		
	<u>Granular fill bed and surround; 14mm or 5mm graded aggregate or 10mm single sized aggregate; complying with the requirements of the Engineer's Specification; compaction factor value not greater than 0.2 when measured in accordance with Engineer's Specification; well compacted; as per Engineer's Drawings & Specification</u> Beds and surrounds				
D	250 x 250mm to 32mm diameter pipes / ducts	24	m		
	PVC marker tape "Heptape" or equivalent				
E	Continuous strip laid during trench backfill, 100mm above pipework	24	m		
	Water warning mesh; Blue polythene warning mesh; in accordance with the Engineer's Specification				
F	Continuous strip laid during trench backfill, 400mm wide water warning mesh; 350mm below the finished ground surface with steel tracer wire; include for tying to valves	24	m		
	<u>Watermain pipework; HDPE Type PE100 SDR 11 watermain pipe</u> Watermain; including all rubber ring joints in running length; include for concrete anchor blocks				
G	32mm diameter	24	m		
To Collection €					

Description	Qty	Unit	Rate	Amount
(Cont) DRAINAGE/SERVICES - WATERMAIN DIVERSION (Cont) Builders Work in Connection With Watermains <u>Pipework Accessories</u> Mains <i>Connection to existing watermain pipe</i> Connection of watermain elsewhere measured within M&E Elements Testing and Commissioning PREPARATION: (a) The section of pipeline to be tested shall consist of one class of pipe only. (b) Pipe joints shall be left exposed during the test. (c) Sufficient backfill shall be placed around the pipe to prevent excessive movement during the test. (d) The pipes shall be tested in such lengths, up to a maximum length of 800 metres. (e) The ends of the section to be tested shall be blanked off using bolted blank flanges or fused end caps, adequately strutted or anchored to solid undisturbed ground. (f) Blank flanges or end caps shall be fitted with appropriate tappings to enable flushing out and filling of the pipeline and to accommodate the necessary pressure gauges. (g) Testing against a closed valve is not permitted, and these shall be in fully open position during the test. (h) Air valves and hydrants shall be subjected to the Test Pressure and should be inspected whilst the main is under pressure to ensure that they are not leaking. FLUSHING: (a) The section to be tested shall be thoroughly flushed with fresh clean water. A flushing velocity of at least 1 metre per second should be maintained. (b) Flushing shall be continued until the Testing Engineer/Supervisor is satisfied that the section under test has been thoroughly cleaned.	1	item		
	1	item		
To Collection €				

Description	Qty	Unit	Rate	Amount
(Cont) DRAINAGE/SERVICES - WATERMAIN DIVERSION (Cont) Builders Work in Connection With Watermains (Cont) Pipework Accessories (Cont) Testing and Commissioning				
A DISINFECTION: (a) After flushing, the mains shall be filled with chlorinated water, having a minimum chlorine content of 20 mg/litre (20 p.p.m.). This water shall be left standing in the pipeline for at least 24 hours. (b) The chlorinated water shall then be drained off, and shall be treated to dilute the chlorine to a level of 0.5 mg/l before discharge to a sewer or watercourse. (c) The mains shall then be thoroughly flushed again with potable water from the supply, or with water having a minimum chlorine content of 0.5 mg/l provided by the Developer if none is available from the Public Mains. (d) After thorough flushing, a bacteriological test shall be carried out on the main. The test must show that the water in the new mains is in accordance with the Chemical and Bacteriological Water Quality Requirements of the European Communities (Quality of Water Intended for Human Consumption) Regulations (current version, including any amendments or additions thereto).	1	item		
B SETTING UP THE PRESSURE TEST: (a) The test position shall be located at the lower end of the pipeline profile. (b) The section under test shall be filled with water, ensuring all air has been eliminated from it. The pipe shall be filled slowly to avoid risk of damage due to surge. (c) After filling it shall be left under operating pressure for a period in order to achieve stable conditions. (d) All air vents shall be closed and the system left to stabilise for 2 to 3 hours. The Test Pressure may then be applied.	1	item		
To Collection €				

Description	Qty	Unit	Rate	Amount
(Cont) DRAINAGE/SERVICES - WATERMAIN DIVERSION (Cont) Builders Work in Connection With Watermains <u>(Cont) Pipework Accessories</u> (Cont) Testing and Commissioning				
A PRESSURE TESTING: (a) Pressure shall be applied at a constant and consistent rate by pumping with the Test Pump, until the Test Pressure is achieved. (b) The Test Pressure shall be maintained by additional pumping as required for 30 minutes. (c) The pressure shall then be reduced to 2 bars (30 p.s.i. or 68 ft or 20 metres) by rapid bleeding from the system. (d) Pressure gauge readings shall then be noted as follows: (i) At 2-minute intervals for the first 10 minutes (5 readings) (ii) At 5-minute intervals for the next 30 minutes (4 readings) (iii) At 10-minute intervals for the next 60 minutes (6 readings) (e) After 30 minutes at a pressure of 2 bars, the pressure in a leaktight system will have stabilised at approximately 4 bars (60 p.s.i. approximately), and should not fall away. A test failure will be indicated by a falling pressure. (f) If a drop in pressure occurs, the quantity of water added in order to re-establish the Test Pressure shall be carefully measured. The maximum allowable leakage from the main which has been subjected to the Test Pressure and allowed to stand under pressure for 24 hours shall not exceed 0.1 litres per mm bore of main per 1000m of pipe under test. (g) If the test is not satisfactory the fault shall be found and rectified. All defective pipes, whether cracked, porous, leaking or exhibiting other faults shall be removed and replaced by new pipes. All leaking joints shall be made good. Burning, plugging, stopping or other repairs to porous or faulty pipes will not be permitted.	1	item		
B TESTING OF THERMOPLASTIC PRESSURE PIPELINES: The testing of thermoplastic pressure pipelines shall be carried out in accordance with the procedures in A Guide to testing of water supply pipelines and sewer rising mains, published by WRc.	1	item		
C COMPLETION TEST (FOR STAGE DEVELOPMENTS) (a) Where the water service main system within a development has been tested in stages, a Completion test shall be carried out on the entire system before it can be taken over by the Council. (b) The Test Pressure shall be full static pressure on the system, or the total normal pumping head in the case of pumped systems. The Test Pressure shall be applied for a period of not less than 6 hours or more than 24 hours. The leakage rate shall not exceed 0.11 litres per mm bore of main per 1000m of pipeline per 24 hours.	1	item		
To Collection €				

Description	Qty	Unit	Rate	Amount
(Cont) DRAINAGE/SERVICES - WATERMAIN DIVERSION (Cont) Builders Work in Connection With Watermains (Cont) Pipework Accessories (Cont) Testing and Commissioning TEST PRESSURES: The Test Pressure shall be as outlined below for the various types and classes of pipe, unless otherwise specified in the documents or directed by the Test Engineer/Supervisor. Pipelines shall be tested in sections, under an internal water pressure as per details in Engineer's Specification; The Test Pressure for gravity mains is the Rated Pressure or 1.5 times the maximum static head, whichever is greater. For pumping mains the Test Pressure is the Rated Pressure or 1.5 times the maximum working pressure, whichever is greater. The above Test Pressure shall apply at the highest point of the section under test but the Developer shall ensure that no pipe on the pipeline under test is subjected to more than twice the normal working pressure for the class of pipe under test. Watermains should be tested at 1.5 times the working pressure for one hour in the presence of a member of staff from the waterworks department; details of testing procedure to be discussed on site with Contractor All testing (pressure chlorination & bacterial) tests to be in accordance with Local Authorities specification; the Engineer is to inspect the pressure test after the water control meters are installed. All hydrants & valves are to be included in the test	1	item		
	1	item		
	1	item		
To Collection €				

Description		Qty	Unit	Rate	Amount
<u>(50) SITE SERVICES - GAS</u>					
<u>SECTIONAL COMPLETION</u>					
A	Contractor to note that all works in this project are being completed in Sections as per Proposed Ground Floor Plan drawing T100/C & RMCE drawing E-100/T1; Contractor to take cognisance when pricing the items included in this element as all measurement / items included herein is for the complete Works; no claims on the grounds of want of knowledge will be entertained whatsoever	1	item		
B	Contractor must include either in this item or within their rates within this element for the Works to be completed in Sections	1	item		
<u>DRAINAGE/SERVICES - GAS MAIN</u>					
General Information					
<u>Information</u>					
C	When pricing the following items the Contractor's attention is drawn to the location of the site. The Contractor should also visit and check the site. No claims on the grounds of want of knowledge in respect of the above will be entertained whatsoever.		note		
D	Any un-authorised excavations below the required level shall be made up with concrete of the same composition as for drain beds at the Contractors own expense; all as per Architects Specification		note		
Builders work in connection with all installation					
<u>Excavation</u>					
Excavating trenches to receive 1nr duct not exceeding 250mm diameter, earthwork support to sides of trenches; include for excavating below ground water level; grading bottoms of excavations; backfilling with imported compacted stone fill; All surplus materials to be disposed of off-site to a licenced waste disposal facility granted by the EPA under Section 40 of the Waste Management Act or by the Local Authority under the Waste Facility Permit Regulations; as per Engineer's Drawing					
E	Average Depth 500 - 1000mm	22	m		
				To Collection €	

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) DRAINAGE/SERVICES - GAS MAIN</u> (Cont) Builders work in connection with all installation <u>Extra over excavating trenches irrespective of depth</u> Breaking up & Reinstating <i>Breaking out existing macadam surfacing; including saw-cutting neat edges, excavation and disposal of arising materials off site to an authorised disposal facility; reinstating sub-base with Clause 808 material where necessary, compacted in layers, and replacing macadam surfacing to match existing thickness, finish, levels and falls; including bond coats, compaction; and forming neat, sealed joints with retained surfaces; all in accordance with the Engineer's drawings and specification.</i>				
A	Excavating through existing macadam carpark	22	m		
	Disposal				
B	Ground Water	1	item		
C	Surface Water	1	item		
	<u>Sand bed and surround; to Engineer's Specification</u> Beds and surrounds to M&E consultants specification				
D	290 x 215mm, to 63mm pipes / ducts	22	m		
	<u>PVC marker tape "Heptape" or equivalent to M&E consultants specification</u>				
E	Continuous strip laid during trench backfill, 100mm above pipework	22	m		
	<u>Mechanical Installations</u> Gas pipework as per Engineer's Specification & Gas Suppliers details; complete <i>Pipework</i>				
F	Installation only of gas pipework; size: 63mm	22	m		
To Collection €					

	Description	Qty	Unit	Rate	Amount
	<u>LPG TANK</u>				
	EXCAVATION AND EARTHWORK				
	<u>Excavation</u>				
	Removing				
	<i>Hedges</i>				
A	Generally	7	m		
	<i>Site vegetation</i>				
B	Generally, scrub, vegetation etc., disposing off-site	35	m2		
	Excavation				
	<i>Reduce levels</i>				
C	Depth not exceeding 2.00m	6	m3		
	Disposal				
	<i>Water</i>				
D	Surface	1	item		
E	Ground	1	item		
	<i>Excavated material; All surplus materials to be disposed of off-site to a licenced waste disposal facility granted by the EPA under Section 40 of the Waste Management Act or by the Local Authority under the Waste Facility Permit Regulations</i>				
F	Disposal off site	6	m3		
	<u>Filling with hardcore to be obtained off-site; Clause 808 crushed stone well compacted on firm clean formation; compliant with TII Publications series 800, free from pyrite and macarsite as per Engineer's specification</u>				
	To make up levels				
G	Average thickness not exceeding 250mm	2	m3		
	CONCRETE WORK				
	<u>In situ concrete</u>				
	Grade C30/37 Concrete				
				To Collection €	

	Description	Qty	Unit	Rate	Amount
	(Cont) LPG TANK (Cont) CONCRETE WORK <u>(Cont) In situ concrete</u> (Cont) Grade C30/37 Concrete <i>base; laid on compacted hardcore base</i>				
A	Not exceeding 150mm thick; base 5000mm x 3000mm x 100mm deep Sundries <i>Surface Finishes</i> <i>Brushed finish to wet concrete</i>	2	m3		
B	Generally <i>Trowelled finish to margins; all labours</i>	15	m2		
C	100mm wide Formwork <i>Sawn formwork; class F1;</i> <i>Edges of beds</i>	16	m		
D	≤ 250mm high to base BOUNDARY FENCING <u>Proprietary fencing surrounding wastewater treatment tank; 1,800 mm high, positioned minimum 1,000 mm clear of tank; minimum specification 12-gauge wire with 52 × 52 mm mesh openings, welded mesh or chain-link construction; galvanised and powder-coated finish; including posts, supports, straining wires where required, brackets, fixings and concrete foundations, excavation, disposal of surplus material and backfilling; Contractor to submit complete fencing proposals for approval; installed in accordance with the manufacturer's recommendations</u>	16	m		
E	Tank Enclosure Fencing; 1800mm high Extra over for	15	m		
F	Corner Posts	4	nr		
To Collection €					

Description		Qty	Unit	Rate	Amount
(Cont) LPG TANK					
(Cont) BOUNDARY FENCING					
<u>Proprietary single-leaf pedestrian gate to wastewater treatment tank enclosure; 900 mm wide × 1,800 mm high, outward-opening, lockable and fitted with self-locking latch; minimum 12-gauge welded mesh or chain-link infill with 52 × 52 mm mesh openings to match adjoining fencing; 60 × 60 mm SHS frame with mitred corners and fully welded joints, supported on suitable gate posts; galvanised and powder-coated finish; including hinges, gate stop, locking ironmongery, fixings, concrete foundations, excavation, disposal of surplus material and backfilling; Contractor to submit proposals for approval; installed in accordance with the manufacturer's recommendations</u>					
A	Pedestrian Gate; 900mm wide	1	nr		
<u>MECHANICAL INSTALLATIONS</u>					
Generally					
<u>General; complete; refer to M&E Drawings, M&E Mechanical Engineering General Specification</u>					
General					
B	Testing and commissioning; all in accordance with Engineers specification documents and drawings	1	Item		
C	Operating and maintenance manuals; all in accordance with Engineers specification documents and drawings	1	Item		
D	Working drawings; all in accordance with Engineers specification documents and drawings	1	Item		
E	Co- ordination drawings; all in accordance with Engineers specification documents and drawings	1	Item		
F	As built drawings; all in accordance with Engineers specification documents and drawings	1	Item		
G	Identification plates, labels and the like; all in accordance with Engineers specification documents and drawings	1	Item		
H	Fire stopping and other associated fire protection works; all in accordance with Engineers specification documents and drawings	1	Item		
				To Collection €	

(60) SITE SERVICES (MAINLY ELECTRICAL) - SITE LIGHTING

Description		Qty	Unit	Rate	Amount
<u>(60) SITE SERVICES (MAINLY ELECTRICAL) - SITE LIGHTING</u>					
<u>SECTIONAL COMPLETION</u>					
A	Contractor to note that all works in this project are being completed in Sections as per Proposed Ground Floor Plan drawing T100/C & RMCE drawing E-100/T1; Contractor to take cognisance when pricing the items included in this element as all measurement / items included herein is for the complete Works; no claims on the grounds of want of knowledge will be entertained whatsoever	1	item		
B	Contractor must include either in this item or within their rates within this element for the Works to be completed in Sections	1	item		
<u>SITE LIGHTING SERVICES</u>					
General Information					
<u>Information</u>					
C	When pricing the following items the Contractor's attention is drawn to the location of the site. The Contractor should also visit and check the site. No claims on the grounds of want of knowledge in respect of the above will be entertained whatsoever.		note		
D	Any un-authorised excavations below the required level shall be made up with concrete of the same composition as for drain beds at the Contractors own expense; all as per Architects Specification		note		
E	Please refer to M&E Engineer's Data Sheets for information on Equivalent Products		note		
Builders work in connection with all installation					
<u>Excavation</u>					
Excavating trenches to receive 1nr duct not exceeding 250mm diameter, earthwork support to sides of trenches; include for excavating below ground water level; grading bottoms of excavations; backfilling with imported hardcore; disposal of surplus soil off site; All surplus materials to be disposed of off-site to a licenced waste disposal facility granted by the EPA under Section 40 of the Waste Management Act or by the Local Authority under the Waste Facility Permit Regulations					
F	Average depth 500 - 1000mm	83	m		
				To Collection €	

(60) SITE SERVICES (MAINLY ELECTRICAL) - SITE LIGHTING

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) SITE LIGHTING SERVICES</u>				
	(Cont) Builders work in connection with all installation				
	<u>Extra over excavating trenches irrespective of depth</u>				
	Disposal				
A	Ground water	1	item		
B	Surface water	1	item		
	<u>Plain in-situ concrete bed and surround; minimum 150mm bed; Class 16/20; leanmix concrete backfill; as per Engineer's Drawing</u>				
	Beds and Surrounds				
C	250 x 175 mm; to 1nr 50mm duct	83	m		
	PVC Red marker tape; "Heptape" or equivalent				
D	Continuous strip; laid during trench backfill; 100mm above pipework	83	m		
	PVC Yellow marker tape; "Heptape" or equivalent				
E	Continuous strip; laid during trench backfill; 300mm above pipework	83	m		
	<u>Ductwork; uPVC duct; to Specification; Red</u>				
	50mm dia.; include for draw-wire				
F	Laid in trenches	83	m		
G	Extra over for easy sweep bends complete with puddle flanges; set in concrete	2	nr		
	<u>Lamp standard bases complete; excavation not exceeding 2000mm deep; grading bottoms; earthwork support; disposal of surplus excavated soil by removal off site; including alignment with wedges to Engineer's approval</u>				
	Lamp standard bases				
H	650 x 650 x 1000mm deep Grade C28/35 reinforced concrete; including 2nr 100mm ducts from chamber to column in line with cable entry; concrete base and surround; backfilling with hardcore to top of trench; all as per Engineer's Specification and Drawing	5	nr		
To Collection €					

(60) SITE SERVICES (MAINLY ELECTRICAL) - SITE LIGHTING

Description		Qty	Unit	Rate	Amount
(Cont) SITE LIGHTING SERVICES					
(Cont) Builders work in connection with all installation					
<u>Sundries</u>					
A	Allow for sealing all incoming service ductwork to prevent ingress of damp, dirt and vermin	1	item		
B	Allow for clearance between Telecom ducts and ESB ducts and cables over 650 volts; of 300mm vertical clearance at crossings and 600mm lateral clearance in parallel trenches	1	item		
C	Allow for clearance between ESB ducts and cables and other service ducts; 150mm vertical clearance at crossings and 300mm lateral clearance in parallel trenches	1	item		
D	Provide for all necessary attendances on ESB to include liaising with ESB before, during and after installation of electrical services and providing and making available site data for their use	1	item		
E	The installation shall comply with ETCI Regulations	1	item		
F	The Contractor shall be responsible for the co-ordination of services	1	item		
G	The Contractor shall provide a Completion Certificate for the Public Lighting System	1	item		
H	All light columns to have a permanent label installed on the column. Labels to be agreed with ESB prior to installation	1	item		
				To Collection €	

(60) SITE SERVICES (MAINLY ELECTRICAL) - SITE LIGHTING

Description	Qty	Unit	Rate	Amount
COLLECTION Page No. 42/1 Page No. 42/2 Page No. 42/3 (60) SITE SERVICES (MAINLY ELECTRICAL) - SITE LIGHTING Carried to Summary				

(60) SITE SERVICES (MAINLY ELECTRICAL) - ACCESS CONTROL

	Description	Qty	Unit	Rate	Amount
	<u>(60) SITE SERVICES (MAINLY ELECTRICAL) - ACCESS CONTROL</u>				
	<u>SECTIONAL COMPLETION</u>				
A	Contractor to note that all works in this project are being completed in Sections as per Proposed Ground Floor Plan drawing T100/C & RMCE drawing E-100/T1; Contractor to take cognisance when pricing the items included in this element as all measurement / items included herein is for the complete Works; no claims on the grounds of want of knowledge will be entertained whatsoever	1	item		
B	Contractor must include either in this item or within their rates within this element for the Works to be completed in Sections	1	item		
	<u>SITE SERVICES (MAINLY ELECTRICAL) POWER TO ACCESS CONTROL LOCATIONS</u>				
	General Information				
	<u>Information</u>				
C	When pricing the following items the Contractor's attention is drawn to the location of the site. The Contractor should also visit and check the site. No claims on the grounds of want of knowledge in respect of the above will be entertained whatsoever.		note		
D	Any un-authorised excavations below the required level shall be made up with concrete of the same composition as for drain beds at the Contractors own expense; all as per Architects Specification		note		
E	Please refer to M&E Engineer's Data Sheets for information on Equivalent Products		note		
	Builders work in connection with all installation				
	<u>Excavation</u>				
	Excavating trenches to receive 2nr duct not exceeding 250mm diameter, earthwork support to sides of trenches; include for excavating below ground water level; grading bottoms of excavations; backfilling with imported hardcore; disposal of surplus soil off site; All surplus materials to be disposed of off-site to a licenced waste disposal facility granted by the EPA under Section 40 of the Waste Management Act or by the Local Authority under the Waste Facility Permit Regulations				
F	Average depth 500 - 1000mm	5	m		
G	Average depth 500 - 1000mm	5	m		
To Collection €					

(60) SITE SERVICES (MAINLY ELECTRICAL) - ACCESS CONTROL

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) SITE SERVICES (MAINLY ELECTRICAL) POWER TO ACCESS CONTROL LOCATIONS</u>				
	(Cont) Builders work in connection with all installation				
	<u>Extra over excavating trenches irrespective of depth</u>				
	Disposal				
A	Ground water	1	item		
B	Surface water	1	item		
	<u>Plain in-situ concrete bed and surround; minimum 150mm bed; Class 16/20; leanmix concrete backfill; as per Engineer's Drawing</u>				
	Beds and Surrounds				
C	300 x 225 mm; to 2nr 50mm duct	10	m		
	PVC Red marker tape; "Heptape" or equivalent				
D	Continuous strip; laid during trench backfill; 100mm above pipework	10	m		
	PVC Yellow marker tape; "Heptape" or equivalent				
E	Continuous strip; laid during trench backfill; 300mm above pipework	10	m		
	<u>Ductwork; uPVC duct; to Specification; Red</u>				
	50mm dia.; include for draw-wire				
F	Laid in trenches	10	m		
G	Extra over for easy sweep bends complete with puddle flanges; set in concrete	8	nr		
	<u>Sundries</u>				
H	Allow for sealing all incoming service ductwork to prevent ingress of damp, dirt and vermin	1	item		
I	Allow for clearance between Telecom ducts and ESB ducts and cables over 650 volts; of 300mm vertical clearance at crossings and 600mm lateral clearance in parallel trenches	1	item		
J	Allow for clearance between ESB ducts and cables and other service ducts; 150mm vertical clearance at crossings and 300mm lateral clearance in parallel trenches	1	item		
				To Collection €	

(60) SITE SERVICES (MAINLY ELECTRICAL) - ACCESS CONTROL

Description		Qty	Unit	Rate	Amount
<u>(Cont) SITE SERVICES (MAINLY ELECTRICAL) POWER TO ACCESS CONTROL LOCATIONS</u>					
<u>(Cont) Builders work in connection with all installation</u>					
<u>(Cont) Sundries</u>					
A	Provide for all necessary attendances on ESB to include liaising with ESB before, during and after installation of electrical services and providing and making available site data for their use	1	item		
B	The installation shall comply with ETCI Regulations	1	item		
C	The Contractor shall be responsible for the co-ordination of services	1	item		
D	The Contractor shall provide a Completion Certificate for the Public Lighting System	1	item		
E	All light columns to have a permanent label installed on the column. Labels to be agreed with ESB prior to installation	1	item		
				To Collection €	

(60) SITE SERVICES (MAINLY ELECTRICAL) - ACCESS CONTROL

Description	Qty	Unit	Rate	Amount
COLLECTION Page No. 43/1 Page No. 43/2 Page No. 43/3 (60) SITE SERVICES (MAINLY ELECTRICAL) - ACCESS CONTROL Carried to Summary				

(60) SITE SERVICES (MAINLY ELECTRICAL) - POWER TO WASTE WATER...

	Description	Qty	Unit	Rate	Amount
<u>(60) SITE SERVICES (MAINLY ELECTRICAL) - POWER TO WASTE WATER PUMP STATION</u>					
<u>SECTIONAL COMPLETION</u>					
A	Contractor to note that all works in this project are being completed in Sections as per Proposed Ground Floor Plan drawing T100/C & RMCE drawing E-100/T1; Contractor to take cognisance when pricing the items included in this element as all measurement / items included herein is for the complete Works; no claims on the grounds of want of knowledge will be entertained whatsoever	1	item		
B	Contractor must include either in this item or within their rates within this element for the Works to be completed in Sections	1	item		
<u>SITE SERVICES (MAINLY ELECTRICAL) POWER TO WASTE WATER PUMP STATION</u>					
General Information					
<u>Information</u>					
C	When pricing the following items the Contractor's attention is drawn to the location of the site. The Contractor should also visit and check the site. No claims on the grounds of want of knowledge in respect of the above will be entertained whatsoever.		note		
D	Any un-authorised excavations below the required level shall be made up with concrete of the same composition as for drain beds at the Contractors own expense; all as per Architects Specification		note		
E	Please refer to M&E Engineer's Data Sheets for information on Equivalent Products		note		
Builders work in connection with all installation					
<u>Excavation</u>					
Excavating trenches to receive 1nr duct not exceeding 250mm diameter, earthwork support to sides of trenches; include for excavating below ground water level; grading bottoms of excavations; backfilling with imported hardcore; disposal of surplus soil off site; All surplus materials to be disposed of off-site to a licenced waste disposal facility granted by the EPA under Section 40 of the Waste Management Act or by the Local Authority under the Waste Facility Permit Regulations					
F	Average depth 500 - 1000mm	35	m		
To Collection €					

(60) SITE SERVICES (MAINLY ELECTRICAL) - POWER TO WASTE WATER...

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) SITE SERVICES (MAINLY ELECTRICAL) POWER TO WASTE WATER PUMP STATION</u>				
	(Cont) Builders work in connection with all installation				
	<u>Extra over excavating trenches irrespective of depth</u>				
	Disposal				
A	Ground water	1	item		
B	Surface water	1	item		
	<u>Plain in-situ concrete bed and surround; minimum 150mm bed; Class 16/20; leanmix concrete backfill; as per Engineer's Drawing</u>				
	Beds and Surrounds				
C	250 x 175 mm; to 1nr 50mm duct	35	m		
	PVC Red marker tape; "Heptape" or equivalent				
D	Continuous strip; laid during trench backfill; 100mm above pipework	35	m		
	PVC Yellow marker tape; "Heptape" or equivalent				
E	Continuous strip; laid during trench backfill; 300mm above pipework	35	m		
	<u>Ductwork; uPVC duct; to Specification; Red</u>				
	50mm dia.; include for draw-wire				
F	Laid in trenches	35	m		
G	Extra over for easy sweep bends complete with puddle flanges; set in concrete	3	nr		
	<u>Sundries</u>				
H	Allow for sealing all incoming service ductwork to prevent ingress of damp, dirt and vermin	1	item		
I	Allow for clearance between Telecom ducts and ESB ducts and cables over 650 volts; of 300mm vertical clearance at crossings and 600mm lateral clearance in parallel trenches	1	item		
J	Allow for clearance between ESB ducts and cables and other service ducts; 150mm vertical clearance at crossings and 300mm lateral clearance in parallel trenches	1	item		
				To Collection €	

(60) SITE SERVICES (MAINLY ELECTRICAL) - POWER TO WASTE WATER...

Description		Qty	Unit	Rate	Amount
<u>(Cont) SITE SERVICES (MAINLY ELECTRICAL) POWER TO WASTE WATER PUMP STATION</u>					
<u>(Cont) Builders work in connection with all installation</u>					
<u>(Cont) Sundries</u>					
A	Provide for all necessary attendances on ESB to include liaising with ESB before, during and after installation of electrical services and providing and making available site data for their use	1	item		
B	The installation shall comply with ETCI Regulations	1	item		
C	The Contractor shall be responsible for the co-ordination of services	1	item		
D	The Contractor shall provide a Completion Certificate for the Public Lighting System	1	item		
E	All light columns to have a permanent label installed on the column. Labels to be agreed with ESB prior to installation	1	item		
				To Collection €	

Description	Qty	Unit	Rate	Amount
COLLECTION Page No. 44/1 Page No. 44/2 Page No. 44/3 (60) SITE SERVICES (MAINLY ELECTRICAL) - POWER TO WASTE WATER PUMP STATION Carried to Summary				
44/4				

(60) SITE SERVICES (MAINLY ELECTRICAL) - POWER TO ASHP

Description		Qty	Unit	Rate	Amount
<u>(60) SITE SERVICES (MAINLY ELECTRICAL) - POWER TO ASHP</u>					
<u>SECTIONAL COMPLETION</u>					
A	Contractor to note that all works in this project are being completed in Sections as per Proposed Ground Floor Plan drawing T100/C & RMCE drawing E-100/T1; Contractor to take cognisance when pricing the items included in this element as all measurement / items included herein is for the complete Works; no claims on the grounds of want of knowledge will be entertained whatsoever	1	item		
B	Contractor must include either in this item or within their rates within this element for the Works to be completed in Sections	1	item		
<u>SITE SERVICES (MAINLY ELECTRICAL) POWER TO ASHP</u>					
General Information					
<u>Information</u>					
C	When pricing the following items the Contractor's attention is drawn to the location of the site. The Contractor should also visit and check the site. No claims on the grounds of want of knowledge in respect of the above will be entertained whatsoever.		note		
D	Any un-authorised excavations below the required level shall be made up with concrete of the same composition as for drain beds at the Contractors own expense; all as per Architects Specification		note		
E	Please refer to M&E Engineer's Data Sheets for information on Equivalent Products		note		
Builders work in connection with all installation					
<u>Excavation</u>					
Excavating trenches to receive 2nr duct not exceeding 250mm diameter, earthwork support to sides of trenches; include for excavating below ground water level; grading bottoms of excavations; backfilling with imported hardcore; disposal of surplus soil off site; All surplus materials to be disposed of off-site to a licenced waste disposal facility granted by the EPA under Section 40 of the Waste Management Act or by the Local Authority under the Waste Facility Permit Regulations					
F	Average depth 500 - 1000mm	32	m		
				To Collection €	

(60) SITE SERVICES (MAINLY ELECTRICAL) - POWER TO ASHP

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) SITE SERVICES (MAINLY ELECTRICAL) POWER TO ASHP</u>				
	(Cont) Builders work in connection with all installation				
	<u>Extra over excavating trenches irrespective of depth</u>				
	Disposal				
A	Ground water	1	item		
B	Surface water	1	item		
	<u>Plain in-situ concrete bed and surround; minimum 150mm bed; Class 16/20; leanmix concrete backfill; as per Engineer's Drawing</u>				
	Beds and Surrounds				
C	300 x 225 mm; to 2nr 50mm duct	32	m		
	PVC Red marker tape; "Heptape" or equivalent				
D	Continuous strip; laid during trench backfill; 100mm above pipework	32	m		
	PVC Yellow marker tape; "Heptape" or equivalent				
E	Continuous strip; laid during trench backfill; 300mm above pipework	32	m		
	<u>Ductwork; uPVC duct; to Specification; Red</u>				
	50mm dia.; include for draw-wire				
F	Laid in trenches	64	m		
G	Extra over for easy sweep bends complete with puddle flanges; set in concrete	6	nr		
	<u>Sundries</u>				
H	Allow for sealing all incoming service ductwork to prevent ingress of damp, dirt and vermin	1	item		
I	Allow for clearance between Telecom ducts and ESB ducts and cables over 650 volts; of 300mm vertical clearance at crossings and 600mm lateral clearance in parallel trenches	1	item		
J	Allow for clearance between ESB ducts and cables and other service ducts; 150mm vertical clearance at crossings and 300mm lateral clearance in parallel trenches	1	item		
				To Collection €	

(60) SITE SERVICES (MAINLY ELECTRICAL) - POWER TO ASHP

Description		Qty	Unit	Rate	Amount
<u>(Cont) SITE SERVICES (MAINLY ELECTRICAL) POWER TO ASHP</u>					
<u>(Cont) Builders work in connection with all installation</u>					
<u>(Cont) Sundries</u>					
A	Provide for all necessary attendances on ESB to include liaising with ESB before, during and after installation of electrical services and providing and making available site data for their use	1	item		
B	The installation shall comply with ETCI Regulations	1	item		
C	The Contractor shall be responsible for the co-ordination of services	1	item		
D	The Contractor shall provide a Completion Certificate for the Public Lighting System	1	item		
E	All light columns to have a permanent label installed on the column. Labels to be agreed with ESB prior to installation	1	item		
				To Collection €	

(60) SITE SERVICES (MAINLY ELECTRICAL) - POWER TO ASHP

Description	Qty	Unit	Rate	Amount
COLLECTION Page No. 45/1 Page No. 45/2 Page No. 45/3 (60) SITE SERVICES (MAINLY ELECTRICAL) - POWER TO ASHP Carried to Summary				

(60) SITE SERVICES (MAINLY ELECTRICAL) - POWER TO EV

	Description	Qty	Unit	Rate	Amount
	<u>(60) SITE SERVICES (MAINLY ELECTRICAL) - POWER TO EV</u>				
	<u>SECTIONAL COMPLETION</u>				
A	Contractor to note that all works in this project are being completed in Sections as per Proposed Ground Floor Plan drawing T100/C & RMCE drawing E-100/T1; Contractor to take cognisance when pricing the items included in this element as all measurement / items included herein is for the complete Works; no claims on the grounds of want of knowledge will be entertained whatsoever	1	item		
B	Contractor must include either in this item or within their rates within this element for the Works to be completed in Sections	1	item		
	<u>SITE SERVICES (MAINLY ELECTRICAL) - EV</u>				
	General Information				
	<u>Information</u>				
C	^^^When pricing the following items the Contractor's attention is drawn to the location of the site. The Contractor should also visit and check the site. No claims on the grounds of want of knowledge in respect of the above will be entertained whatsoever.		Note		
D	^^^Any un-authorised excavations below the required level shall be made up with concrete of the same composition as for drain beds at the Contractors own expense; all as per Architects Specification		Note		
E	^^^The contractor shall also ascertain whether or not there are any E.S.B. cables on the site and arrange for their removal so that it does not delay site progress. All, redundant site services/site services made redundant, for all utilities and services, will be removed as part of the contract.		item		
	Builders work in connection with all installation				
	<u>Excavation</u>				
	Excavating trenches to receive 1nr duct not exceeding 250mm diameter, earthwork support to sides of trenches; include for excavating below ground water level; grading bottoms of excavations; backfilling with imported hardcore; disposal of surplus soil off site; All surplus materials to be disposed of off-site to a licenced waste disposal facility granted by the EPA under Section 40 of the Waste Management Act or by the Local Authority under the Waste Facility Permit Regulations				
F	Average depth 500 - 1000mm	69	m		
To Collection €					

(60) SITE SERVICES (MAINLY ELECTRICAL) - POWER TO EV

	Description	Qty	Unit	Rate	Amount
	(Cont) SITE SERVICES (MAINLY ELECTRICAL) - EV				
	(Cont) Builders work in connection with all installation				
	<u>Extra over excavating trenches irrespective of depth</u>				
	Disposal				
A	Ground water	1	item		
B	Surface water	1	item		
	<u>Plain in-situ concrete bed and surround; minimum 150mm bed; Class 16/20; leanmix concrete backfill; as per Engineer's Drawing</u>				
	Beds and Surrounds				
C	325 x 250mm; to 1nr 125mm duct	69	m		
	PVC Red marker tape; "Heptape" or equivalent				
D	Continuous strip; laid during trench backfill; 100mm above pipework	69	m		
	PVC Yellow marker tape; "Heptape" or equivalent				
E	Continuous strip; laid during trench backfill; 300mm above pipework	69	m		
	<u>Ductwork; uPVC duct</u>				
	125mm dia.; include for draw-wire				
F	Laid in trenches	69	m		
G	Extra over for 90 degree bends	2	nr		
H	Extra over for 45 degree bends	1	nr		
To Collection €					

(60) SITE SERVICES (MAINLY ELECTRICAL) - POWER TO EV

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) SITE SERVICES (MAINLY ELECTRICAL) - EV</u> (Cont) Builders work in connection with all installation				
	<u>EV Car Charging Pillars</u> EV Luci Pillar or similar approved EV pillar; manufactured in glass-reinforced plastic, with capacity, busbars and associated equipment to the Engineer's and ESB specification; minimum enclosure protection rating IP64; including quick-acting barlock and high-security padlock, isolator operating and locking-off tools, spare fuse tray with spare fuses, 65 W switched and fused anti-condensation heater with thermostatic control, and purpose-made base unit for cable entry; manufacturer's standard colour and finish; including associated concrete base, excavation, earthwork support, levelling and compacting formation, backfilling and disposal of surplus excavated material off site; complete in accordance with the Engineer's specification and drawings.				
A	EV Pillar; include for cover and frame	1	nr		
	<u>Sundries</u>				
B	Allow for sealing all incoming service ductwork to prevent ingress of damp, dirt and vermin	1	item		
C	Allow for clearance between Telecom ducts and ESB ducts and cables over 650 volts; of 300mm vertical clearance at crossings and 600mm lateral clearance in parallel trenches	1	item		
D	Allow for clearance between ESB ducts and cables and other service ducts; 150mm vertical clearance at crossings and 300mm lateral clearance in parallel trenches	1	item		
E	Provide for all necessary attendances on ESB to include liaising with ESB before, during and after installation of electrical services and providing and making available site data for their use	1	item		
F	Provide markings/signage of ESB cables at locations as agreed with Local Engineering Officer and in accordance with ESB Specifications; as per Engineer's Drawing	1	item		
G	Provide all necessary attendances and builders work in association with disconnecting and removing existing underground ESB supply; complete	1	item		
				To Collection €	

Description	Qty	Unit	Rate	Amount
COLLECTION Page No. 46/1 Page No. 46/2 Page No. 46/3 (60) SITE SERVICES (MAINLY ELECTRICAL) - POWER TO EV Carried to Summary				
46/4				

Description		Qty	Unit	Rate	Amount
<u>(70) SITE FITTINGS</u>					
<u>SECTIONAL COMPLETION</u>					
A	Contractor to note that all works in this project are being completed in Sections as per Proposed Ground Floor Plan drawing T100/C & compound layout drawing T-104 for phasing works ; Contractor to take cognisance when pricing the items included in this element as all measurement / items included herein is for the complete Works; no claims on the grounds of want of knowledge will be entertained whatsoever	1	item		
B	Contractor must include either in this item or within their rates within this element for the Works to be completed in Sections	1	item		
<u>FITTINGS</u>					
Fittings Equipment and Furniture					
<u>Equipment: Play</u>					
Basketball equipment; proprietary height-adjustable system to I.S. EN 1270:2005; comprising 4 m long, 90 mm outside-diameter steel upright with 4 mm wall thickness, capped top and padded protection, fitted into 900 mm deep ground socket; 900 mm projecting extension arm with adjustable clamp; 1,200 × 1,800 × 19 mm marine plywood backboard or equivalent approved, supported on 50 × 50 mm galvanised RHS framing and finished with two undercoats and two coats of exterior gloss paint; including 16 mm solid steel ring, 12 net hooks, net, mounting plates and all fixings; steelwork galvanised after fabrication; including 650 × 650 × 1,000 mm deep concrete foundation, excavation, disposal of surplus material and installation of socket; specialist supplier to erect and adjust equipment; Contractor to submit proposals for approval; all in accordance with the manufacturer's recommendations and the Architect's drawings and specification.					
C	Generally	2	nr		
				To Collection €	

Description	Qty	Unit	Rate	Amount
COLLECTION Page No. 47/1 (70) SITE FITTINGS Carried to Summary				
47/2				

	Description	Qty	Unit	Rate	Amount
	<u>(80) LANDSCAPING - FLOOD EMBANKMENT</u>				
	<u>SECTIONAL COMPLETION</u>				
A	Contractor to note that all works in this project are being completed in Sections as per Proposed Ground Floor Plan drawing T100/C & compound layout drawing T-104 for phasing works ; Contractor to take cognisance when pricing the items included in this element as all measurement / items included herein is for the complete Works; no claims on the grounds of want of knowledge will be entertained whatsoever	1	item		
B	Contractor must include either in this item or within their rates within this element for the Works to be completed in Sections	1	item		
	<u>EXCAVATION AND EARTHWORK</u>				
	Excavation				
	<u>Excavation for preservation; stock-piling on site for re-use</u>				
	Removing				
	<i>Site vegetation</i>				
C	Generally, scrub, vegetation etc., disposing off-site	1035	m2		
	Topsoil				
D	Depth not exceeding 2.00m	414	m3		
	<u>Disposal</u>				
	Water				
E	Surface	1	item		
F	Ground	1	item		
	Excavated material; All surplus materials to be disposed of off-site to a licensed waste disposal facility granted by the EPA under Section 40 of the Waste Management Act or by the Local Authority under the Waste Facility Permit Regulations				
G	Disposal off site; excess topsoil	179	m3		
To Collection €					

Description	Qty	Unit	Rate	Amount
<u>(Cont) EXCAVATION AND EARTHWORK</u>				
Earthworks — Filling and formation of landscaped berm				
<u>Forming earth berm with imported suitable subsoil; clean, stable material free from organic matter, roots, rubbish and other deleterious substances; maximum permeability stated as 1 × 10 m/s, with soil testing in accordance with I.S. EN 1997-2:2007; placed and compacted in layers not exceeding 225 mm thick; berm profile 5,000 mm wide at base, 1,000 mm wide at crest and 1,200 mm high above adjoining ground, with sloping sides as detailed; including filling the 400 mm deep formation below existing ground, trimming and shaping to required lines and levels; Contractor to submit proposed fill source, permeability test results and compaction method for approval; excavation, topsoil and seeding elsewhere measured; all in accordance with the Engineer's drawings and specification.</u>				
A Forming earth berm as designed; overall length 207 linear metres; shaped in 1V/2H as specified	1160	m3		
<u>SURFACE PAVING, FENCING AND LANDSCAPING</u>				
Grassing and Planting				
<u>Topsoil</u>				
Obtained from off site				
B Filling to a finished depth of 200mm; to profile of earth berm	1173	m2		
<u>CULTIVATION: Compacted topsoil: Break up to full depth; Cultivation: Loosen, aerate and break up soil into particles of 2-8 mm; Depth: 250mm; Timing: Within a few days before planting; Weather and ground conditions: Suitably dry; Surface : Leave regular and even; Levels: 25 mm above adjoining paving or kerbs and minimum 150 mm below dpc of adjoining buildings; Undesirable material brought to the surface: Remove visible weeds, roots and large stones with any dimension exceeding 50 mm;</u>				
Surface of top soil filling; to earth berm				
C Depth: 200mm; generally	1173	m2		
To Collection €				

	Description	Qty	Unit	Rate	Amount
	(Cont) SURFACE PAVING, FENCING AND LANDSCAPING (Cont) Grassing and Planting <u>GRADING: Topsoil condition: Reasonably dry and workable; Contours: Smooth and flowing, with falls for adequate drainage; Hollows and ridges: Not permitted; Finished levels after settlement: 25 mm above adjoining paving, kerbs, manholes etc; Blade grading: May be used to adjust topsoil levels provided depth of topsoil is nowhere less than 150 mm; Give notice: If required levels cannot be achieved by movement of existing soil</u>				
A	Grading; to grassed earth bern Generally <u>Seeding</u> GRASS SEED FOR ALL GRASSED AREAS; Supplier: Contractor's choice; Mixture reference: Submit proposals for high quality product / component appropriate to the use / location and fit for purpose; Application rate: 20-35 g/m2; SEED MIXTURE FOR ROAD VERGES - WILD FLOWER SEED; Supplier: Contractor's choice; Mixture reference: Submit proposals for high quality product / component appropriate to the use / location and fit for purpose; Origin (as defined in the National Plant Specification): Native Irish; Application rate: 5-10 g/m2; QUALITY OF SEEDFOR ALL GRASSED AND PLANTED AREAS; Freshness: Produced for the current growing season; Certification: Blue label certified varieties; Standard: EC purity and germination regulations; Official Seed Testing Station certificate of germination, purity and composition: Submit when requested; Samples of mixtures: Submit when requested	1173	m2		
B	Generally WEED CONTROL FOR INVASIVE NON-NATIVE WEEDS; Locations: All planting areas; General: Prevent weeds from seeding and perennial weeds from becoming established, by hoeing and cultivating. Kill off any regrowth with suitable systemic herbicide before mulching; As per Architects Landscape Specifcaition Q31	1173	m2		
C	Generally <u>FERTILIZER FOR ALL GRASSED AREAS; Types: Apply both: Superphosphate with a minimum of 18% water soluble phosphoric acid; A sulphate of ammonia with a minimum of 20 % nitrogen; Application: Before final cultivation and three to five days before seeding/turfing; Coverage: Spread evenly, each type at 70 g/m2, in transverse directions; As per Architects Landscape Specifcaition Q30</u>	1173	m2		
To Collection €					

Description		Qty	Unit	Rate	Amount
A	<u>(Cont) SURFACE PAVING, FENCING AND LANDSCAPING</u> <u>(Cont) Grassing and Planting</u> <u>(Cont) FERTILIZER FOR ALL GRASSED AREAS: Types: Apply both: Superphosphate with a minimum of 18% water soluble phosphoric acid; A sulphate of ammonia with a minimum of 20 % nitrogen; Application: Before final cultivation and three to...</u> Fertilizer; to grassed earth bern Generally	1173	m2		
	<u>FINAL CULTIVATION; Timing: After grading and fertilizing; Seed bed: Reduce to fine, firm tilth with good crumb structure; Depth : 25 mm; Surface preparation: Rake to a true, even surface, friable and lightly firmed but not over compacted; Remove surface stones/earth clods exceeding: General areas: 20 mm; Fine lawn areas: 10 mm; Adjacent levels: Extend cultivation into existing adjacent grassed areas sufficient to ensure full marrying in of levels; As per Architects Landscape Specificaltion Q30</u> Final Cultivation; to grassed earth bern Generally	1173	m2		
To Collection €					

(80) LANDSCAPING - FLOOD EMBANKMENT

[illegible]

	Description	Qty	Unit	Rate	Amount
	<u>(80) LANDSCAPING</u>				
	<u>SECTIONAL COMPLETION</u>				
A	Contractor to note that all works in this project are being completed in Sections as per Proposed Ground Floor Plan drawing T100/C & compound layout drawing T-104 for phasing works ; Contractor to take cognisance when pricing the items included in this element as all measurement / items included herein is for the complete Works; no claims on the grounds of want of knowledge will be entertained whatsoever	1	item		
B	Contractor must include either in this item or within their rates within this element for the Works to be completed in Sections	1	item		
	<u>SURFACE PAVING, FENCING AND LANDSCAPING</u>				
	Grassing and Planting				
	<u>Topsoil</u>				
	Obtained from site stockpiles				
C	Filling to a finished depth of 250mm; to grass areas	810	m2		
	<u>CULTIVATION: Compacted topsoil: Break up to full depth; Cultivation: Loosen, aerate and break up soil into particles of 2-8 mm; Depth: 250mm; Timing: Within a few days before planting; Weather and ground conditions: Suitably dry; Surface : Leave regular and even; Levels: 25 mm above adjoining paving or kerbs and minimum 150 mm below dpc of adjoining buildings; Undesirable material brought to the surface: Remove visible weeds, roots and large stones with any dimension exceeding 50 mm;</u>				
	Surface of top soil filling; to grassed and planting areas				
D	Depth: 250mm; generally	810	m2		
	<u>GRADING; Topsoil condition: Reasonably dry and workable; Contours: Smooth and flowing, with falls for adequate drainage; Hollows and ridges: Not permitted; Finished levels after settlement: 25 mm above adjoining paving, kerbs, manholes etc; Blade grading: May be used to adjust topsoil levels provided depth of topsoil is nowhere less than 150 mm; Give notice: If required levels cannot be achieved by movement of existing soil</u>				
	Grading; to grassed and planting areas				
E	Generally	810	m2		
To Collection €					

	Description	Qty	Unit	Rate	Amount
	<u>(Cont) SURFACE PAVING, FENCING AND LANDSCAPING</u> (Cont) Grassing and Planting <u>Seeding</u> GRASS SEED FOR ALL GRASSED AREAS; Supplier: Contractor's choice; Mixture reference: Submit proposals for high quality product / component appropriate to the use / location and fit for purpose; Application rate: 20-35 g/m2; SEED MIXTURE FOR ROAD VERGES - WILD FLOWER SEED; Supplier: Contractor's choice; Mixture reference: Submit proposals for high quality product / component appropriate to the use / location and fit for purpose; Origin (as defined in the National Plant Specification): Native Irish; Application rate: 5-10 g/m2; QUALITY OF SEED FOR ALL GRASSED AND PLANTED AREAS; Freshness: Produced for the current growing season; Certification: Blue label certified varieties; Standard: EC purity and germination regulations; Official Seed Testing Station certificate of germination, purity and composition: Submit when requested; Samples of mixtures: Submit when requested				
A	Generally WEED CONTROL FOR INVASIVE NON-NATIVE WEEDS; Locations: All planting areas; General: Prevent weeds from seeding and perennial weeds from becoming established, by hoeing and cultivating. Kill off any regrowth with suitable systemic herbicide before mulching	810	m2		
B	Generally <u>FERTILIZER FOR ALL GRASSED AREAS; Types: Apply both: Superphosphate with a minimum of 18% water soluble phosphoric acid; A sulphate of ammonia with a minimum of 20 % nitrogen; Application: Before final cultivation and three to five days before seeding/turfing; Coverage: Spread evenly, each type at 70 g/m2, in transverse directions;</u> Fertilizer; to grassed and planting areas	810	m2		
C	Generally	810	m2		
To Collection €					

Description		Qty	Unit	Rate	Amount
(Cont) SURFACE PAVING, FENCING AND LANDSCAPING					
(Cont) Grassing and Planting					
<u>FINAL CULTIVATION; Timing: After grading and fertilizing; Seed bed: Reduce to fine, firm tilth with good crumb structure; Depth : 25 mm; Surface preparation: Rake to a true, even surface, friable and lightly firmed but not over compacted; Remove surface stones/earth clods exceeding: General areas: 20 mm; Fine lawn areas: 10 mm; Adjacent levels: Extend cultivation into existing adjacent grassed areas sufficient to ensure full marrying in of levels</u> Final Cultivation; to grassed and planting areas					
A	Generally	810	m2		
<u>Planting</u>					
Planter Beds					
<u>Planting to areas highlighted on the Architect's landscape drawing; comprising low-maintenance perennial plants, bulbs and vegetables; allow for perennial plants in minimum 2-litre containers, approximately 200–400 mm high or spread appropriate to species, planted at an assumed density of 5 plants/m² for pricing; bulbs and vegetable plants of suitable planting size, quantities and spacing to approved planting schedule; including preparation and cultivation of planting beds, soil improver, planting, watering, mulch around suitable planting, and removal of weeds and debris; Contractor to submit species, container sizes, planting sizes, densities, layout and establishment-maintenance proposals for approval ; all in accordance with the Architect's landscape drawings and specification</u>					
B	Sensory Garden Planter	1	item		
C	Central Activity Space	1	item		
D	Adjacent to Existing School Building	1	item		
				To Collection €	

Description		Qty	Unit	Rate	Amount
(Cont) Planting					
Trees					
<u>Feature tree planting to locations indicated on the Architect's landscape drawing; comprising hazel, spindle, star magnolia and other approved species; allow for container-grown specimens in minimum 5-litre containers for pricing, planting heights and spread appropriate to species and subject to approval; including excavation of planting pits, soil preparation and improvement, planting, backfilling, staking and ties where required, watering, mulching and disposal of surplus material; Contractor to submit species, planting sizes, layout and establishment-maintenance proposals for approval; all in accordance with the Architect's landscape drawings and specification</u>					
A	Proposed feature tree's to Sensory Garden Planter	35	Nr		
To Collection €					

SUMMARY

Description	Qty	Unit	Rate	Amount
SUMMARY	Page No.			
(19) SUBSTRUCTURE	1/16			
(21) EXTERNAL WALLS	2/9			
(22) INTERNAL WALLS	3/8			
(22) INTERNAL WALLS - EXISTING BUILDING	4/5			
(25) AIR TIGHTNESS	5/9			
(27) ROOF	6/8			
(28) FRAME	7/8			
(31) EXTERNAL WALL; COMPLETIONS	8/17			
(32) INTERNAL WALL; COMPLETIONS	9/7			
(37) ROOF; COMPLETIONS	10/2			
(41) EXTERNAL WALL FINISHES	11/3			
(42) INTERNAL WALL FINISHES	12/3			
(42) INTERNAL WALL FINISHES - EXISTING	13/2			
(43) FLOOR FINISHES	14/9			
(45) CEILING FINISHES	15/3			
(45) CEILING FINISHES - EXISTING	16/3			
(47) ROOF FINISHES	17/16			
(5-) MECHANICAL INSTALLATIONS - RMCE CONSULTANTS	18/5			
(52) RAINWATER & DISPOSALS	19/2			
(6-) ELECTRICAL INSTALLATIONS - RMCE CONSULTANTS	20/5			
(6-) M&E BUILDERS WORK IN CONNECTION - RMCE CONSULTANTS	21/5			
(74) SANITARY FITTINGS	22/7			
(76) STORAGE, SCREENING FITTINGS - BLINDS	23/3			

SUMMARY

Description	Qty	Unit	Rate	Amount
SUMMARY	Page No.			
(76) STORAGE, SCREENING FITTINGS - FITTED FURNITURE	24/7			
(10) SITE PREPARATION	25/11			
(20) SITE STRUCTURES - PERGOLA STRUCTURE	26/4			
(30) SITE ENCLOSURES - FENCING	27/7			
(30) SITE ENCLOSURES - RE-CONSTRUCTION OF FRONT WALL & PIERS	28/6			
(30) SITE ENCLOSURES - PLANTER WALLS/RETAINING WALLS	29/6			
(40) ROADS, PATHS, PAVINGS - ROAD	30/3			
(40) ROADS, PATHS, PAVINGS - PAVING TO CAS ENTRANCE	31/3			
(40) ROADS, PATHS, PAVINGS - PAVING TO MAIN ENTRANCE	32/3			
(40) ROADS, PATHS, PAVINGS - PAVING TO SENSORY GARDEN	33/3			
(40) ROADS, PATHS, PAVINGS - PERMEABLE PAVING	34/3			
(40) ROADS, PATHS, PAVINGS -GENERAL HARD PLAY AREA	35/3			
(40) ROADS, PATHS, PAVINGS - CONCRETE FOOTPATH/RAMPS	36/3			
(40) ROADS, PATHS, PAVINGS -SOFT PLAY	37/3			
(50) SITE SERVICES - STORM DRAINAGE	38/14			
(50) SITE SERVICES - FOUL DRAINAGE	39/13			
(50) SITE SERVICES - WATERMAIN	40/7			
(50) SITE SERVICES - GAS	41/6			
(60) SITE SERVICES (MAINLY ELECTRICAL) - SITE LIGHTING	42/4			
(60) SITE SERVICES (MAINLY ELECTRICAL) - ACCESS CONTROL	43/4			
(60) SITE SERVICES (MAINLY ELECTRICAL) - POWER TO WASTE WATER PUMP STATION	44/4			

SUMMARY

Description	Qty	Unit	Rate	Amount
SUMMARY	Page No.			
(60) SITE SERVICES (MAINLY ELECTRICAL) - POWER TO ASHP	45/4			
(60) SITE SERVICES (MAINLY ELECTRICAL) - POWER TO EV	46/4			
(70) SITE FITTINGS	47/2			
(80) LANDSCAPING - FLOOD EMBANKMENT	48/5			
(80) LANDSCAPING	49/5			
TOTAL AMOUNT TO FORM OF TENDER				
Note: This Bill of Quantities contains pages numbered 1/1 to 49/5.				