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INDEX SHEET : ST STEPHENS PHASE 2

PART III : WORKS

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16	Drainage
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21	Electrical Installation: refer to M&E specification

Summary Sheet

Schedules : Door Schedule Kitchen Equipment Schedule Sanitary Fittings Schedule Window Masonry Works Schedule

Window Glazing Works Schedule Window Protection Schedule New windows specification Stone cleaning specification Planting Schedule

Drawings



ARP PART	3 Phase 2	ST STEPHENS	JAN 200
2	PROTECTION / DEMOLI	TION / PRELIMINARY INVESTIGATIONS	
	crypt wc & cistern; organ brick supports; cw tank a stone shelf in wheelchair refer to existing and prop Ground floor : remove all remove redundant heater retain gas pipework in pla remove redundant batten	pipes; cupboard in centre space; boarded willing between store a nd supports in crypt wc wc; osed drawings redundant electrical services including conduits s and pipework ce & protect at all times s on walls as shown on draiwngs	and centre; boiler room oil tank
2.4	BUILDERS WORK		
2.4.3	BUILDERS WORK IN CO Location: below the paven	NNECTION WITH MAINS SERVICES nent in Pond Street	
	Item: Provide trench for st 300mm one service, 600m reinstate ground level and	atutory undertaking to lay new main, depth not exceeding 1200m im two services; backfill trench in layers not more than 300mm, v finish; cart away surplus material.	ım., average 800mm, width vell compact each layer,
2	Item: for ELECTRICITY m	ains; lay 50mm galv. m.s. pipe from boundary to building as show	vn, trench measured above.
	This will be undertaken IF pavement at Phase 2	the pavement is being relaid as part of the Highway Contribution	; to avoid digging up the
3 5	SERVICE TRENCH FORM See drawing 2828/200 for Trench to be hand dug fror diam or larger to be retained service cable/pipe laying.	IATION : electric, gas and water mains route of service trench. n boundary location within 4.000 metres away from any tree trun. d; service cables or pipes to be 'threaded' through roots; hand be	k; all tree roots of 50mm ackfill on completion of
	· · · · · · · · · · · · · · · · · · ·		
<u> </u>	otal for section 2 to take for	prward to summary sheet at end of part 3	

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3		EXTERNAL WALLS
3.2		NEW EXTERNAL WALL
3.2.2		NEW CAVITY WALL Location: Undercroft windows on North & South elevations Refer to drawings 2828 / 223, 224
-	1	Structural lintels for new brick wall and opening : refer to Structural Engineers drawings
		footings; steel / concrete frame; pin to existing brickwork
	2	Blockwork F10: construct 'cavity' wall of 215mm blockwork with external tanking dampproof sheeting faced with half brick wall built in english bond Blockwork to be reinforced on western 2 bays each side due to higher ground levels being retained - refer to S Eng drawings Internal blockwork : 215mm thick blocks reinforced as engineers draiwngs
	3	Damp proof tanking Bituthene 3000 by Grace Construction Products fixed on external face of blockwork in accordance with manufacturers instructions from top of ground beam to underside of existing prepare brickwork surface for Bituthene primer to be turned over top of footing at base to be turned over brickwork at top and lapped over dpc
	4 	Brickwork F10 : External brickwork : half brick skin tied to blockwork through dpm ed class B engineering bricks to 150mm below ground level Facing brick type / reference / manufacturer Luton Grey bricks from HG Matthews English bond; cut headers neatly for half brick wall. Duild up to underside of existing brickwork; install dpc lapped with Bituthene dpm Leadcore DPC lapped with cavity drained membrane DPC : type /reference / manufacturer : Ledumite/ Ledcore from Callenders Iry pack joint with lime putty mortar
		Stainless steel cavity wall ties at 900 ccs horizontally and 450 vertically throughout cavity work. Cavity wall ties : type /reference / manufacturer : stainless steel
	5 F F b	orm new openings orm openings as drawings with brick arches and stone cills, on leadcore DPC's, including vertical and horizontal eadcore DPC's. rick arches - double half brick gauged arches with cant section bricks natching arches on similar openings on the building
7	7 S la pi fu	tone cills F21 : rge section stone set on dpc tray below sill reformed tray by Cavity Trays on Yeovil or similar approved; tray to be formed for below, sides and rear of cill and sit Illy onto blockwork

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	3	EXTERNAL WALLS
	Т	* Mortar: lime putty:sand
		* Point joints in flush pointing in lime putty:sand mix
		8 Hardfill D20: Backfill in hardcore.
		9 Pointing F10: Leave brickwork raked out and point to match existing adjacent.
		Mortar: lime putty:sand mix for flush pointing
	1	
3.2.3	3	REPAIRS TO CHIMNEY STACK
		Location : East end of North transpet roof
		refer to drawing :
	ſ	Dismantling take off existing coping to flues and prepare bed for new chimney nots
		Stone F21 ; new Bath Stone slab with apertures for chimney flues
		75mm thick slab bedded on brickwork below
	ſ	1230 x 790 size with 2 no 230mm square bolis
		1200 x 700 size with 2 no 230 mills square moles
		New opimpov polo 1 Bodhank / kma 94 1500mm kink with the a 0.00 km/s 1 ato
	1	sivew childney pols : Redbank / type 81 1500mm high with type GC2 terminal 612
		form line with found when the found the second s
	ĺ	from time putty /sand mix mortar flaunching round base of pots to secure in place
• •		
3.3		REPAIR EXISTING BRICKWORK / MASONRY
	1	
3.3.1	[UNDERPINNING OF EXTERNAL WALLS
		Location: external walls
		Underpinning of external walls
	ſ	the contractor may use the underpinning subcontractors listed below or his own underpinning firm subject to
		their being a member of the Association of Specialist Underpinning Contractors :
	1	
		Underpin & Make Good
		37 Millmarsh Lane
		Enfield
		EN3 7AG
		Concrete Foundations
		9 Englands Lane
		Loughton
		Essex
		IG10 2QX
	ĺ	Refer to engineers drawings
		Main Contractor to provide all pecaesany protection to the works
		main contractor to provide an necessary protection to the works
	ļ	
2 2 40	ĺ	
5.5.10		
		Location : external locations; as shown on drawings
]		
	1	Removals C20: carefully remove plant growths from external brickwork and roof flashings joints;
ļ	l	asmantie copings or brickwork to locate root of plant to entirely remove plants; rake out to remove all roots;

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3	EXTERNAL WALLS
	douse area with anti fungicide liquid and allow to dry
	reassemble copings or brickwork and make good; repoint
	* Point joints in flush pointing
	* Mortar mix : lime putty:sand
	mortar to be lime:putty mortar : mix to be confirmed following sample
3.3.16	EXTERNAL TANKING
	Location : North transept elevation where external levels above internal level
	Location : South transept elevation where external levels above internal level
	1 Excavation D20: remove earth from elevation down to top of stepped footings; cart away excess earth
	2 Damp proofing J40 :
	Material : Bituthene 3000
	manufacturer : Grace Construction Products
	install in accordance with manufacturer's instructions;
	prepare brickwork by cleaning down and removing all projecting pointing; point holes and missing pointing
	apply Bituthene primer to masonry surfaces over areas to be covered
	Install memorane from top of stepped tooling to 200mm above GL as shown
	3 Stone F21 : install 40mmm ashlar slabs against membrane and backfill earth
	4 Lead H71 : install code 5 lead flashing to cover top of slab; cut chase in brick joint
	turn flashing into chase & point in place with lime putty; sand mortar
3.5	WORK ON OPENINGS
3.5.2	REPAIR DEFECTIVE STONE MASONRY - EXTERNAL WINDOW SURROUNDS
	cf clause 6.4.8 in regard to internal window surrounds
	Locations :
	East end ground floor windows
	South Transept windows
	West gallery windows
	The repair and replacement of defective, damaged or missing stone work / masonry on window surrounds to
	allow installation of new or repaired glazing
	Pefer to Window Masonry Schedule for details of work and locations
	Refer to drawings : 2828 / 175, 176, 177, 178, 179, 180, 181, 182, 183, 184
	Main Contractor to provide all necessary protection to the works and all attendance on subcontractor
3.5.11	AIRVENTS
	Location: North, South, East & West Elevations A Existing cast iron airvents

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3 EXTERNAL WALLS

		1 Brickwork C41/F30: Resecure & repoint in existing airbricks to existing openings 215 x 140mm airvents on external faces. Make good brickwork. 10 n0	
	ł	B Existing holes in brickwork for flue cleaning : 4 no on East elevation below chimneys	
	.	Brickwork C41/F30 : take out existing metal flue 'doors'; refurbish doors and reset into openings	
3.5.13		FLUE OUTLETS (BUILDERS WORK)	
	 	Kitchen extract outlet : location : east elevation of north transept	Î
		refer to ARP drawing north transepts elevations & detail drawing	
		plus 300mm) over to support face brickwork. Install precast reinforced concrete lintols over rear face to support brickwork over. Make good brickwork	9
		Clear opening size 1115 mm high x 350mm wide.	
	2	Item: Duct and Grille type : louvres powder coated with insect mesh	
		Manufacturer / type : Gooding Aluminium GA Performance Series 5000 Alloy Louvre Panels or similar approved GA type LV2	
		Insect mesh rear fixed : GA W1641	
		powder coating colour to be selected fix louvres frame to masonry with plugs & screws	
	B	Kitchen supply intake : location : below stair landing in crypt	
	1	refer to ARP drawing east elevation proposed & detail drawing Brickwork C41/E10: Form opening for duct arillo cutlet with staiplane shart fact at the (40, - 245, -	
		plus 300mm) over to support face brickwork. Install precast reinforced concrete lintols over rear face to support brickwork over. Make good brickwork.	
		Clear opening size 1210mm high x 420mm wide.	
	2	Item: Duct and Grille type : louvres powder coated with insect mesh	·
		Manufacturer / type : Gooding Aluminium GA Performance Series 5000 Alloy Louvre Panels or similar approved GA type LV2	
1	1	Insect mesh rear fixed : GA W1641	
ſ		powder coating colour to be selected	
	ľ	and the manual of masoning with plugs a sciews	
		Boiler flue outlet : Location: east end of north transept crypt wall	
	1 F	efer to ARP drawing north transepts elevations & detail drawing	
	s	support brickwork. Make good brickwork.	
C	B	boiler room air ventilation : Location : north side of boiler room	
	E	xternal louvres in existing opening with Z section internal frame to divert air flow to low lovel	
	M	lanufacturer / type : Gooding Aluminium GA Performance Series 5000 Alloy Louvre Panels or similar approved	
	G In	va type Lv2 isect mesh rear fixed ; GA W1641	
	p	owder coating colour to be selected	
•	*		

ARP PAR	T 3 Phase 2	ST STEPHENS	JAN 200
3	EXTERNAL WALLS		1
3.60	PARAPETS AND STACKS		•• • •••
3.6.1	PARAPETS & COPINGS REF Location: high level parapets a West elevation : gallery roof : West elevation : gallery roof : North elevation : aisle roof par North elevation : main roof par North East transept : front para North East transept : side para North porch parapet South elevation : aisle roof par South elevation : main roof par South East transept : parapets South porch parapet	POINTING and copings as directed front parapet side parapets rapets apets apet apets rapets rapets	
2	 Brickwork C41/F10: Rake out a Point joints in flush pointing Mortar mix : lime putty:sand mix to be confirmed after trials Allow: 75 square metres 	and repoint brickwork at any level as directed on site;	
3.7 3.7.2 A	EXTERNAL WALL FINISHES REPOINTING Location: provisional to be di external masonry at all levels: West elevation : each side of na West elevation : buttresses on r North elevation : disle walls North elevation : clerestorey wa North elevation : clerestorey wa North porch walls generally South elevation : clerestorey wa South elevation : east end walls repoint g to external walls brick repoint dressings : repoint string courses : repairs where spawled or fallen of	irected arthex & west ends of aisle walls narthex Ils & eastern clerestorey gable uttresses Ils & eastern clerestorey gable igh level & buttresses buttresses & sanctuary walls work :	
A B	Samples : undertake 3 no sample Note advice available from Pha Matching mortar mixes to be sam 1 part lime putty from coal fired k pozzolan, trass or Metastar 501 1 part lime putty from coal fired k Metastar 501	e panels of pointing with different mixes; size min 1metre square ase 1 testing by Rose of Jericho / St Blaise : npled: iln; 0.5 part coal ash; 1.5 parts quartz silica, flint sand (washed BS sand); 1 iln; 2 parts quartz silica, flint sand (washed BS sand); 10% pozzolan, trass	0% or

	3	EXTERNAL WALLS
	C	1 part lime putty from coal fired kiln; 3 parts quartz silica, flint sand (washed BS sand)
		flush pointing; brush pointing after two days to weather off finish and expose aggregate
	2	Brickwork C41/F10: Rake out and repoint brickwork at any level as directed on site; cement pointing only to be removed where loose Raking out : to be undertaken very carefully by hand without breaking arrisses of adjacent bricks: both loose time putty.
		pointing and hard cement pointing to be removed where instructed
	*	Point joints in flush pointing
	1*	Mortar mix : lime putty:sand
		mix to be confirmed after trials
	3	Allow: 220 square metres
	В	Specific locations :
		All external door frame / masonry reveals
		Window no's location: all newly glazed east end windows and clerestorey windows and masonry junctions/reveals
	1	Brickwork C41/F10: Rake out and repoint brickwork at any level as directed on site:
		cement pointing only to be removed where loose
		Raking out : to be undertaken very carefully by hand without breaking arrisses of adjacent stone; both loose lime putty pointing and hard cement pointing to be removed where instructed
	*	Point joints in flush pointing
		Mortar mix : lime putty:sand
		mix to be confirmed after trials
		Total for section 3 to take forward to summary sheet at end of part 3
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	4	ROOFS
	1.3	ROOF STRUCTURE REPAIRS - STRIPPING ROOF COVERINGS / REPAIRS TO EXISTING ROOF CLADDING AND STRUCTURE
4.3	3.1	STRIP ROOF FINISH / REPAIR DECKING A Location : West Gallery flat roof
		1 Stripping out C20: Strip existing roof covering of lead sheet including all upstands and cover flashings.
		2 Carpentry C51/G20: Replace parts of defective rafters by piecing in new timber provisional allowance as directed
		douglas fir timber from FSC source
		cut out sections of rotted timber 300mm x 100 x 50mm deep; cut and insert new timbers which resin glue and screw in place
		Allow: 4 no sections
		3 Sheathings C51/K20: Replace defective boarding provisional allowance as directed
		boarding to be 25 x 150mm tongue and grooved board with vee joints; douglas fir from FSC certified source boarding diagonally fixed to rafters; twice screw fix at 300mm centres with ss screws
		Allow: 50 linear metres.
		4 Sheathings C51/K20: Replace defective boarding to valley gutter provisional allowance as directed
		boarding to be 25mm treated sw boarding from FSC certified source boarding fixed to bearers;
		Allow: 50 linear metres.
	в	Location : eaves boards to aisle or main roofs
	1	Removal C20: after removal of gutters, carefully cut out defective existing eaves boards in 1000mm lengths.
	2	Carpentry G20: Plug and screw to brickwork using plastic plugs and non ferrous screws, ex 175 x 35 mm douglas fir eaves boards Prime before fixing.
	3	Allow : 25 linear metres
4.3.2		STRENGTHEN ROOF TIMBERS FOR WATER TANK SUPPORT Location : above managers office - north transept roofspace
		a sol to o Eng information / urawings
4.70		LEAD SHEET ROOFING
4.7.2		NEW LEAD SHEET FINISH
1		refer to drawing 2828 / 108
1	1	order to draming / EV407-100

ARP PA	RT 3 Phase 2	:	ST STEPHENS		JAN 2007
	1 Felt H71: Lay felt under m roll, laid loose with 50	lay to BS 747 Type 44 (mm laps	ii) brown sheathing felt (N	o. 1 inodorous), weight 25 kg j	per standard 25
	2 Lead H71: Lay Code 8 6 680mm wide sheets x 3	cast sheet lead roof com 500mm long	plete with all rolls, battens	s,welts, upstands and flashing:	S.
	3 Lead H 71: relay valley lay Code 8 cast lead see	gutter with 2 no steps (a ctions	s existing) to out flow to h	opper through opening in para	ipet
	4 Lead H71: set in Code 6 rake out joints for new fl inset flashings into chas point in flashings in lime	cast lead cover flashing ashings es; wedge at 450mm ce putty mortar; flush point	gs ntres ling finish		
4.80	NATURAL SLATEWOR	к			
4.8.2	Repairs to slating : Location : nave roof pitcl N & S porch roofs 200; c	nes 1400; N & S aisle pi hancel apse roof 200; g	tches 600; N & S transept allery stair turret 30	pitches 570;	
А	Replacement of slipped Allow to provide and fix r Allow 2970 no 500 x 250 Allow 30 no 250 x 150	i or missing slates : ew natural Welsh slates	where existing broken or	missing; fix with zinc tingles	
В	Repairs to lead work : r Allow to rake out spawling secure flashings in place flashings point in flashings in lime p	efixing of flashings; le g mortar to flashings set with lead wedges to exis	ad wedges into mortar joint; sting cover flashings at 45 ng finish	0mm centres; at every step wi	th stepped
	Allow 40 lin metres				
	Total for section 4 to take	forward to summary she	eet at end of part 3	<u> </u>	
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5		FLOORS & CEILINGS
5.1		CONCRETE GROUND SLAB
.1	A	NEW CONCRETE GROUND SLAB Location: undercroft rooms
	1	Excavation D20: To give new floor to ceiling height as shown on drawings THIS INVOLVES THE REMOVAL OF ALL SOIL AND BUILT MATERIAL BELOW THE GROUND FLOOR TO FORM THE NEW LEVELS Do not reduce levels below top of footings without consulting the CA.
	2	Hardfill D20: Minimum 100 mm hardcore bed.
	3	Hardfill D20: 50 mm blinding concrete or sand.
	4	Insulation P10: 100mm thick FLOORMATE 200 X from Dow Chemical Co Ltd Lay overall surface and as upstand to all perimeters to finished slab level
	5 f f F	Concrete E: reinforced concrete slab 150 mm thick cast with smooth level finish. concrete spec = Seng Concrete E: Thicken slab below new walls to 300 mm. form upstand at west end against slope of ground - shutter for concrete & reinforce to SE details form holes for sump pumps form channels across slab to channel water to sumps - 5 - 15mm falls Reinforcement E: overall slab - refer to SE details
	6 C a n	Damp proof membrane system : pply Keisol anti limescale solution over whole top surface of slab nanufacturer : Delta Membrane Systems
8	7 C la rr co in la fi) Si 1(DPM J40: damp proof membranes ay drained cavity membrane overall floor and up walls to form continous impervious membrane membrane to BS8102 ontractor to select specialist membrane installer to give 25 year guarantee on membrane installation; installation to include all necessary channels, preparation, floor treatment, membrane, sunp pump (power supply by others) by overall slab with taped joints turned up at perimeter to lap with wall membrane of cavity membrane up all external walls full height; lap membranes and joint as manufacturers instructions creed M10: Lay sand/cement screed smooth level finish 00 mm thick with thin galvanised mesh overall.
в	Lo	ocation: crypt rooms
1	Se ca	et aside : stone slabs in hall and wc refully lift existing slabs and set aside for relaying
2	Se thi	et aside : wood blocks in main spaces in crypt s work covered in section 15
3	Re	moval : excavate out existing sub floor and reduce levels for new build up for new floor level as existing
4	Ha	rdfill D20: Minimum 100 mm hardcore bed.

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		5	FLOORS & CEILINGS
		Τ	5 Hardfill D20: 50 mm blinding concrete or sand.
		ĺ	6 Insulation P10:
			100mm thick FLOORMATE 200 X from Dow Chemical Co Ltd
			Lay overall surface and as upstand to all perimeters to finished slab level
			Concrete E: concrete slab 100 mm thick cast with smooth level finish.
			Note to perform the first different for the second se
			form sloped ramp from error level to remunder the state states, wood block, safety flooring
		1	Reinforcement F: overall slab - rafer to SE dotailo
		18	DPM J40: damp proof membranes
			lay dpm over whole slab
			Bituthene 3000 by Grace Construction Products
			turn up at all edges to level of top of screed
	•	Ι.	
		9	Screed M10: Lay sand/cement screed smooth level finish
			100 - 125mm thick with thin galvanised mesh overall; thickness subject to floor finish thickness
			NR : perced to be loid for different 5 is the second
			ind is screed to be laid for different finishes - wood block, stone slabs, vinyl sheet; refer to section 15
	ĺ		NB; in boiler room screed to be unfinished pointed with concrete and the last
	ĺ		section 15
_			
5	.3		DUCTS IN FLOORS
5 3	1		
0.0	''		Ocation : Choir and changed success
			refer to detailed drawing of grille gungerte 2829/200
		1	Dismantling C20: Following inspection carefuly take out broken on degree to the
			Check condition and quantity of existing grilles and supports and agree with CA on power longitude to be
	-		allow choir ducts - 14.8 lin m
	-	ł	
		2	Supply of make up grilles and supports
		- 1	llow the provisional sum (in section 1.0) for the manufacture and supply of matching cast iron /aluminium grilles &
		15	upports
			after to position 1.0 for mention of the second secon
			ser to section 1.0 for provisional sum, profit & attendance
		315	elay in duct grille supports and grillog
		R	elay in the new & existing original cast iron duct arilles & supported to St level and a state
			and flat into supports
5.3.2		G	RILLED FLOOR DUCTS
	ľ	Ľ	cation : Nave spaces
	1	P	ovisional allowance to be directed
		יין	smanning C20: Following inspection carefully take up and refix supports for grilles
	1	_T ,	
			rel with tiles and adjacent flooring; form new ball
	[[and adjacent nooring, form new noies for new plugs to mortar bed; rescrew down side supports

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	5	FLOORS & CEILINGS
		Allow : 20 lin metres of this work
	5 A	
	5.4	MISCELLANEOUS DUCTS
5.	4.2	METAL DUCT for nines and cables
		Location: CRYPT FLOOR
		refer to mechanical engineers containment drawings
		1 Duct for services P30: metal trunking with removeable plywood lid to specified locations
		Manufacturer: Pendock or MDT
		Plug and screw to slab. Top of duct to finish level with floor finish to be fitted over duct top. See drawing for location of
		runs.
		Allow to install thicker lowers of plute make up for and the sector of t
		Allow to install tricker layers of ply to make up for greater screed thickness for sheet safety flooring finish
5	5.6	REPAIRS / ALTERATIONS TO TIMBER GROUND FLOORS
<i>c</i> 0		
5.6	.1	SUSPENDED TIMBER FLOOR IN NAVE :
	1	NAVE NORTH & SOUTH PEW AREAS;
		AISLES NORTH & SOUTH -
		AISLES NORTH & SOUTH PEW AREAS
		AISLE NORTH REAR PEW AREA:
	1	A Lift and relay boards to allow access :
		for cable tray access and installation of sound deadening quilt
		Carefully lift all floor beands as measured to be a set
		for refitting
		Edge timbers (chamfered repated timbers to take ends of nours), to remain in a lo
		contraction of the second dispersion take ends of pews), to remain in place
		Relay floor boards on completion ; fix with pairs of floor brads
		cut and fit boards to fit to arcade pier bases where stone alterations made
		nail with rectangular section steel nails (brads) reusing nail holes as far as possible
	l B	Provisional allowance for replacement of defending to the second
	-	boards with good quality second hand softwood boards
		Allow 100 linear metres of 30mm finished x 170mm wide boards
3.6.Z		BOARDED FLOOR AREAS : REPAIRS
ĺ	A	Location: Unoir boarded flooring
Í	1	Carpentry -
j	ľ	lift boards as pecessary to inspect under floor word to an
	ĺ	server and the model of the model and a model work - 2 sqm
Į	1	clear out all debris : allow 2 cu metres of material
	[
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	5	FLOORS & CEILINGS	
		provisional sum of £300.00 for repairs to joists, plates, sleeper piers and walls	_
		relay boards, 2 no brad nail fixings per board and joist	
	2	Provisional allowance for replacement of defective boards with good quality second hand softwood boards Allow 50 linear metres of 30mm finished x 170mm wide boards	
	в	Location : North transept	
	1	Carpentry :	
		lift boards as necessary to inspect under floor void - 2 sqm	
		clear out all debris : allow 1 cu metres of material	
İ		provisional sum of £300.00 for repairs to joists, plates, sleeper piers and walls	
		relay boards, 2 no brad nail fixings per board and joist	
	2	Provisional allowance for replacement of defective boards with good quality second hand softwood boards Allow 50 linear metres of 30mm finished x 170mm wide boards	
	3 r	tem : existing stone : carefully remove stone projecting above floor; elocate below adjacent floor level - ie : below choir store cupboard	
	CL	-ocation : South Transept	
	1	Carpentry :	
	li A	n area of original altar :	
	re	arefully dismantie raised area of wood block flooring and sub base	
	la	ry in tan sw batten / joists to infill depth	
		y 25mm second hand softwood floor boards nailed to joists	
	a	rea : 11 sq metres	
	2 C	arpentry :	
	Ca	arefully remove all herringbone thin wood block & ply back to floorboards	
	lift	boards as necessary to inspect under floor void	
	cle	ear out all debris : allow 1 cu metres of material	
	pro	ovisional sum of £300.00 for repairs to joists, plates, sleeper piers and walls	
	rel	ay boards, 2 no brad nail fixings per board and joist	
	Pro Allo	ovisional allowance for replacement of defective boards with good quality second hand softwood boards ow 50 linear metres of 30mm finished x 170mm wide boards	
3	Sar	nd whole floor to smooth finish and even finish	
D	Loc	cation : Managers office	

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.	5	; 	FLOORS & CEILINGS
		1	lift boards as necessary for access for installation of services relay on completion
		2	Provisional allowance for replacement of defective boards with good quality second hand softwood boards Allow 25 linear metres of 30mm finished x 170mm wide boards
5.11	.2		FIRE PROOF SUSPENDED CEILING / METAL Location: undercroft toilets and lobby
		1	Plasterboard dry linings K10: install Casoline MF concealed grid MF suspended ceiling system in accordance with manufacturer's instructions.
			reference : manufactured by British Gypsum Ltd install Perimeter Channels, Strap hangers and Primary Support channels to steel structures of floor over install ceiling sections at right angles to primary supports
		2	Plasterboard M20: fix boards to ceiling sections TO GIVE 60 MINUTES FIRE RESISTANCE (White Book : p 271 table 3) 2 layers 15 mm Gyproc Fireline boards
		f	ix both plank and wallboard to ceiling sections with self tapping screws: staggered joints.
		3 A P n	Acoustic sealant: As K10 clause 515: Lay acoustic sealant at all wall/ceiling junctions and round all electrical fittings bassing through boarding. nanufacturer : British Gypsum Ltd
		4	laster M20: Thistle Board finish coat overall; make good with adjacent wall finishes.
5.12	-	D	UCTS, ETC., IN FLOORS / CEILINGS
5.12.1		E. Lo re	XTRACT VENTILATION DUCTS ocation : fer to M & E spec
	A B C D	Kil Ge La Wi	tchen extract duct ants toilets extract duct dies toilets extract duct heelchair wc extract duct (crypt)
	E F G H	Clá Bo Kiti Bol	assroom fresh air intakes iler room air inlet chen supply air intake iler flues
		refe Bui	er to M & E specification Iders work in section 3 external walls
		Tota	al for section 5 to take forward to summary sheet at end of part 3

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	6		INTERNAL WALLS
	6.2		NEW BRICK / BLOCK WALLS (NON LOADBEARING)
6.	2.2	A B C	NEW BLOCK PARTITION Location : main toilets & lobby walls Location : kitchen / wheelchair wc wall End wall of undercroft to West end underfloor space
		2	Brickwork F10: 75 mm blockwork built off leadcore DPC on slab. Strength 3.5kn/sqm. At junction(s) with existing brickwork build in galvanised wall ties in every course of blockwork. Head to masonry : Secure at head with m.s. ties screwed to masonry of vaulted brick ceiling at maximum 600mm centres. Head to steelwork : Secure at head with m.s. ties fixed to steelwork above at maximum 600mm centres. Brickwork F31: Quoin up opening(s) where shown with PC RC lintel(s) over.
6	.3		BLOCKWORK INTERNAL TANKING
 6	4		INC WITH EXTERNAL WALLS
6.4.	.3		NEW OPENING IN BRICKWORK WITH CONCRETE LINTEL (2000 MM MAX SPAN) Location: new opening in crypt wall of tower refer to S Eng drawing
		1 2 4 1 1	Taking down C20: Prop structure over to satisfaction of the Building Inspector; cut opening in brickwork as shown on drawings. Brickwork F10/ F31: In three brick thick wall, quoin up flush jambs in class B engineering bricks. Install PC RC lintels over, built in *** mm either side of opening; Lintels and size : 6 no lintels; *** x *** mm padstones :
	в		ocation : wheelchair wc door opening ocation : crypt store door opening
	1	Ta dr	aking down C20: Prop structure over to satisfaction of the Building Inspector; cut opening in brickwork as shown on rawings.
	2	Br bu Lir be 1:3 po	rickwork F10/ F31: In one and a half brick wall, quoin up flush jambs in flettons. Install fair faced PC RC lintels over, uilt in 225mm either side of opening; ntels and size : 3 no lintels; 215mm deep x 100mm wide earing : rebuild 3 no courses each end in class B red engineering bricks 3 cement/sharp sand drypack over int brickwork flush to match existing adjacent
6.4.6		INT	TERNAL MASONRY REPAIRS
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A REPOINTING

Location : provisional allowance to be directed

- 1 Brickwork C41/F10: Rake out and repoint brickwork at any level as directed on site;
- cement pointing only to be removed where loose

Raking out : to be undertaken very carefully by hand without breaking arrisses of adjacent bricks; both loose lime putty pointing and hard cement pointing to be removed where instructed

Point joints in flush pointing

Mortar mix : lime putty:sand

2 Allow: 50 square metres

B REPOINT & REPAIR CRACKS IN BRICKWORK

Location : north aisle wall east end Location : south aisle wall east end - three cracks Location : south aisle wall west end corner

provisional allowance to be directed

1 Taking out C20: Drill or pick out pointing to depth of one brick 215mm along length of crack; picking out to follow crack line.

Brickwork C41/F10: Point in dry mix of mortar full depth and finish pointing to match existing adjacent.
 remove loose bricks and bed fully into place
 Point joints in flush pointing
 Mortar mix : lime putty:sand

3 Allow: 20 linear metres of cracks x one brick depth.

C REBUILD ARCADE ARCH

Location : ground floor North West arch refer to Str Engineers drawing 9199 / SK 50 dated 14/04/03 refer to SENG spec

Preparation : take over responsibility for temporary propping scaffolding; alter or reuse scaffolding for temporary works if considered suitable.

2 Preparation : install 150 x 50 SC4 timber studwork at 400mm centre to springing point of arch install 150 x 50 over hind plate of new studwork, scribed to arch as shown with folding wedges install additional packings to pick up corbelling

- 3 Brickwork : carefully dismantle existing defective brockwork; set aside and clean up existing bricks for reuse rebuild brickwork in lime putty; sand mortar with flush pointed joints
- 4 Remove propping on completion and make good
- 5 Item : remove scaffolding on completion

D REMOVE MATERIAL FROM BRICKWORK 1 Location : North transept arched vaulted ceiling

Item : carefully remove remaining sheets of applied material to the brickwork remove all fixings carefully to avoid damage to brickwork remove all debris

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		make good fixing holes in lime putty mortar	
	2	Location : Crossing SW pier facing South transept Item : carefully unscrew battens on South and East faces of crossing SW pier make good fixing holes - point with lime putty mortar	
	E	REMOVE SPAWLED POINTING ON BRICKWORK Location : North transept arch to north aisle Location : South aisle walling Location : other areas to be directed	
	1	Item : brush down loose spawled pointing and efflorescence from face of bricks remove all debris	
	2	Allow: 50 square metres	
6.4.8	1 1 1 1 1 1	SPECIALIST REPAIR OF DEFECTIVE STONE MASONRY - INTERNAL WINDOW SURROUNDS cf clause 3.5.2 in regard to external window surrounds Locations : East end ground floor windows South Transept windows Clerestorey windows West gallery windows West gallery windows WORK BY NAMED SUBCONTRACTOR Refer to Window Masonry Schedule for details of work and locations & referred drawings Main Contractor to provide all necessary protection to the works and all attendance on subcontractor The repair and replacement of defective, damaged or missing stone work / masonry on window surroun	ds
6.6	N	IEW NON LOADBEARING STUDWORK	
6.6.4	M	IETAL STUD PARTITIONS ocation : classroom 1 / hall wall in crypt	
	1 Pl 2 M SI He va or De 3 Lir	lasterboard dry linings K10: lanufacturer and reference:Gyproc Gypwall classic metal stud partitioning tuds: 48mm Gypframe C studs at 600mm centres. ead condition: fixed either to brickwork vaults through joinery lining; note requirement to cut head plate to fit cur aults through Gyproc Fireline board of Gyproc Casoline MF ceiling system to steel beam above effection allowance: ning(s): 2 layers 12.5mm Gyroc Fireline wallboard each side	ve of
4	Ty Th Se	king: As K10 clause 590. avity insulation: by Gyproc pe:Isowool APR 1200 ickness: 25mm ialant: Acoustic sealant as K10 clause 515	

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	A	 Finishing: Thistle Board plaster finish. Primer/sealer: <i>plaster sealer coat</i> Accessories: edge, corner & stop beads Other requirements: noggins for skirting; at 900mm centres vert 	ically; for all wall fixed fittings	
	В	Classroom 1 / hall wall in crypt : Plasterboa curve of brick vault	rd on studs to be finished with expamet joint section for plas	tering against
6.7	7	INTERNAL WALL DRYLINING		
6.7.1	1	CAVITY DRAIN MEMBRANE Location : undercroft walls & floor		
		Preparatory works : channels to wall floor ju necessary; refer to section 5 new concrete f formation of 2 no chambers in concrete slab	nctions and channels across the floor to divert water to sump loor to accept sump and pump systems; refer to section 5 new c	o locations as concrete floor
	2	Item : install cavity drain membrane to BS 8 plugs, rope and tape	102 including membranes drainage channels, sumps/pumps	alarms,
		supply and install 2 double pump, alarm and	sump systems	
		supply and fit a sealed cavity drain		
		supply and fit membrane full height to walls		
		supply and lay sealed cavity drain system ov	er whole floor; link and seal to wall membrane	
		fix cavity drain plugs vertical to walls set 400	mm apart for fixings for Gyplyner fixing anchors	
	3	Membrane on walls : walls to toilets and oper membranes to be suitable for direct plastering finish these walls in 2 coat Gyproc Renovatin	ning to crypt & to wall with west end of undercroft g g plaster and set overall ; full height	
		Side walls to undercroft to be finished in insul	ation / plasterboard which fixed through cavity drain plugs in	Phase 3
6.7.2		NTERNAL DRY LINING .ocation : internal surfaces of external wa	lls of undercroft	
	1 F 2 M 5 F N 6 3 C T 4 F N	Plasterboard dry linings K10: Manufacturer and reference:Gyproc Gypwall of Studs: 48mm Gypframe 48 i studs at 400mm lead condition: fixed either to brickwork vault lote : build up to height of concrete upstand in a : studs offsetting from concrete then blockw cavity insulation: by Gyproc ype: Isover acoustic slabs hickness: 50mm; fitted between metal studs usulation with plasterboard:	classic metal stud partitioning centres. s through joinery lining n external wall; then construct studs against blockwork above ork covered by cavity drained membrane	concrete -
	5 Fi	hickness : 50mm; fixed to metal studs nishing: Thistle Board plaster finish.	e Super	
	6 A 7 O	ccessories: edge, corner & stop beads ther requirements:		

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		noggins for skirting; at 900mm centres vertically; for all wall fixed fittings	
6.7	.3	INTERNAL TANKING Location : internal surfaces of external walls of classroom 2 in crypt	
	1	Preparation : clean off paint on wall up to cill height; remove all loose debris material, pointing etc	
	2	Flexible tanking J40: prepare brickwork surface for Bituthene primer and apply in accordance with manufacture instructions	rs
	E	Refer to clause 5.1.1.B : Bituthene 3000 flexible self adhesive membrane turned up wall as shown; dressed up from floor	
	3 L 7 F	ining : Gyplyner Universal metal wall lining system by Gyproc; metal track and lining channels; fixed through nembrane to brickwork with non ferrous fixings Finish : 12.5mm plasterboard and set overall	
	4 J c	oinery : primed sw capping piece which plug and screw to external wall hamfer edges of capping piece where abutting wall and plasterboard as shrinkage gap	
6.9		ERTICAL VENTILATION DUCTS	
6.10		IMBER TRIM GENERALLY	
6.10.1	NI Le	EW SKIRTINGS ocation: undercroft hall	
	1 Jo ec Df Til	pinery P20: Around all walls as shown on drawing run ex 25 x 100 mm sw skirtings with pencil rounded exposed leg including all tanalised grounds. Prime overall before fixing. Fix to lined walls using adhesive. Do not pierce PM. mber from FSC certified source	1
6.11	м	SCELLANEOUS ITEMS	
6.11.1	TII Lo W(so we ch	MBER SCREENS Incations C & baptistry screen; uth transept screen; ist door draught lobby; oir store-cum-heater cupboards 2 no large cupboards mery :	
	the Not all a	manufacture, supply and installation of purpose made timber screens and joinery te : all timber to be certified as FSC standard as per drawings : 2828 / 252, 253, 254, 256, 258	
6.11.2	FLU	JE SWEEPING	1

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Location : crypt fireplace & original boiler flue

1 Item : using specialist chimney sweep thoroughly sweep out flue from fireplace to top of chimney stack and from boiler flue opening on crypt room - following removal of stone slab over flues open up cleaning access points on east end to remove all debris clear away all debris arising

Total for section 6 to take forward to summary sheet at end of part 3

7		STAIRCASES
7.1.3	1	STAIRCASE REPAIRS Location : stair flight to crypt Carpentry add new circular timber handrail to lowest flight 40mm diam softwood on offset japanned brackets which fix to brickwork with plugs and screws
		Total for section 7 to take forward to summary sheet at end of part 3

11	-	WINDOWS
11.1		REPAIRS TO EXISTING WINDOWS
	1 A B	Repairs to windows in three parts REPAIR TO WINDOW SURROUNDS : refer to external walls section 3 For definition of repair clauses refer to Part I & Part II C51. RENEWAL / REPAIRS OF GLAZING, WINDOW BARS / FERRAMENTA For definition of repair clauses refer to Part I & Part II L10 & L40.
	с	INSTALLATION OF EXTERNAL WINDOW PROTECTION
11.1.2		REPAIR EXISTING WINDOW REPLACEMENT / REPAIRS TO EXISTING WINDOWS GLAZING & RENEWAL OF WINDOW BARS / FERRAMENTA WORK BY NAMED SUBCONTRACTOR Chapel Studio: Cox & Barnard; Goddard & Gibbs; H & R Developments
		Refer to Window Schedule for extent & location of work
		Main Contractor to price for profit & attendance in Section 1
11.2		NEW WINDOWS
11.2.5		STEEL WINDOWS: by manufacturer
		Location : new undercroft windows and doors refer to new window schedule
		Drawing reference(s): 2828 / 224, 227 Manufacturer and reference: contractor selection can include REA or Holdsworth Windows Weathertightness: To BS 6375:Part 1. <i>Exposure category (Design wind pressure): ** (Pa).</i> Glazing details: double glazed safety glass all panes 6mm with 14mm argon filled gap Weatherstripping: Ironmongery/accessories: lockable casement stays Finish as delivered: powder coated; colour - black <i>Fixing: screw fixed to metal frame round opening</i>
11.6		MISCELLANEOUS ITEMS
11.6.1		WINDOW PROTECTION The installation of external stainless steel metal grilles over window openings
		WORK BY NAMED SUBCONTRACTOR H&R Developments Ltd; William Gowar & Sons Ltd;

Lerenzer

11	WINDOWS
	Refer to Window Protection Schedule for extent & location of work
	Main Contractor to price for profit & attendance in Section 1
	Total for section 11 to take forward to summary sheet at end of part 3
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1:	2	PLASTER FINISHES / REPAIRS
12.	1	GENERAL CONDITIONS
	.	For plaster mixes refer to Part II M20.
	:	Fix angle beads to all external corners on brick/block walls and stud partitions with non-ferrous fixings.
		The contractor to insert unit rates for all items in the spaces provided. Rates to include all labours and angle beads.
	4	Remove from site all debris arising from this section.
	15	Prepare existing structure for new finishing.
12.3		WATER PROOF RENDERS TO SOLID WALLS
12.3.2		WATERPROOF RENDER: PROTIM PREMIX RENDERING Location: Crypt boielr room; existing walls in the new gents and ladies toilets
	1	Background(s): existing brickwork or masonry
		Preparation: Rake out existing brickwork over area to be rendered.
	2	Render M20/151: Waterproofing compound proprietary reference: Protim Premix No. 5 with Knapenoid or Solionum Rendaseal water
		proof additive. Manufacturer / reference : Protim Solignum Ltd
		2 undercoats with Thistle Plaster finish
12.4		INTERNAL RENDERS / PLASTERS TO SOLID WALLS
12.4.4		PROPRIETARY RENDER: THISTLE RENOVATING
i		Location: new blockwork walls
	1	Plaster undercoat M20/161: 1 coat Thistle Renovating plaster
	2	Finish coat M20/200: Thistle Plaster Finish
12.6	-	BACKINGS FOR RENDER OR PLASTER COATINGS
12.6.1	F	PLASTERBOARD BACKINGS: FOR PLASTER FINISH ocation: for new plasterboard finished walls
	1	lasterboard M20/610: plasterboard fixed to studwork
	• [0	byproc vvaliboard by British Gypsum; square edged for plaster finish nickness : 12.5mm
	2 P	laster M20/280: Thistle Board finish
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12.8	PLASTER TO CEILINGS
12.8.1	ONE LAYER PLASTERBOARD AND SKIM Location: GF wheelchair wc
	1 Plasterboard M20/610: plasterboard fixed to celiing joists Gyproc Wallboard by British Gypsum; square edged for plaster finish thickness : 12.5mm
	2 Plaster M20/280 : Thistle Board finish
12.8.8	 ONE HOUR FIRE RESISTING CEILING : BOARD Location: gents and ladies toilets and lobby in undercroft refer also to clause 5.11.2 Plasterboard M20/610: two layers plasterboard fixed to metal straps and support sections install Casoline MF concealed grid MF suspended ceiling system in accordance with manufacturer's instructions. reference : manufactured by British Gypsum Ltd install Perimeter Channels, Strap hangers and Primary Support channels to steel structures of floor over install ceiling sections at right angles to primary supports Gyproc Fireline Board by British Gypsum; square edged for plaster finish thickness : 2 x 15mm Plaster M20/280: Thistle Board finish
	Total for section 12 to take forward to summary sheet at end of part 3

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<u> </u>	13	INTERNAL DECORATIONS
13	3.1	GENERALLY
		1 Refer to Part II M52 & M60 for materials and workmanship clauses.
		2 Colours to be selected and instructed during the contract; maximum 12 no.
		3 Approved paint manufacturers are listed in Part II M60/210.
		4 Include for all exposed pipework, radiators (both sides) and inside cupboards.
		5 Preparing the surfaces as required will be deemed to be included with the items below.
13.	2	INTERNAL DECORATION PREPARATION
13.2.	1	
		application of finishes
13.:	3	PAINTING INTERNAL WALLING / CEILING SURFACES
13.3.4	1	EMULSION TO BARE PLASTER
		Location: crypt flair / lobby; wheelchair wc crypt; have toilet;
		Finishing coats: 2 coats matt emulsion
12 2 7		
13.3.7		Location: crypt hall / lobby; wheelchair wc crypt; nave toilet; managers office
	1	Initial coat: Vinyl emulsion mist coat.
		rinishing coats: 2 coats vinyl emulsion
13.4		
10.4		
13.4.1		BARE WOODWORK Location: on new joinery - skirtings, doors and frames
		Note : for finish on wheelchair wc & baptistery screen, south transept screen, choir cupboards & west end draught lobby refer to detailed drawings
ľ	1	nitial coat: Acrylic / oil primer
		Finishing coats: 1 oil based undercoat, 1 coat water based gloss.
13.4.2	ĺ	PAINTED OR PRIMED WOODWORK
•	1	ocation: managers office boarded ceiling

	1	Initial coat: Patch prime. Finishing coats: 1 oil based undercoat, 1 coat water based gloss.
13.4.3		BARE HARDWOOD Location: new and existing oak doors and frames
	1	Painting M60: 3 coats clear varnish . Type / manufacturer : Cuprinol Clear Yacht varnish / ICl - CT608 prepare in accordance with manufacturers instructions and apply following test on small area
13.4.4		EXISTING WOOD BLOCK FLOORING Location : crypt rooms refer to section 15.6.2
	1	Finish : Polish type / manufacturer : Mega by BonaKemi AB / 3 coats
13.5		PAINTING TO INTERNAL METAL
13.5.1		GLOSS TO EXISTING METAL Location : handrail & railing to crypt stairs
	1	Initial coat: Prime to suit metal. Finishing coats: 1 oil based undercoat, 1 coat water based gloss.
		Total for section 13 to take forward to summary sheet at end of part 3

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14	•	EXTERNAL DECORATIONS
14.1		GENERALLY
	1	Refer to Part II M60 for materials and workmanship clauses.
	2	Colours to be instructed during the contract; maximum 5 no.
	3	Approved paint manufacturers are listed in Part II M60/210.
	4	Fillers and stoppers: the only approved materials are Plastic Wood or Tetrion.
	5	Preparing the surfaces as required will be deemed to be included with the items below.
14.2		EXTERNAL DECORATION PREPARATIONS
14.2.1		PREPARATION
		Location: throughout
		carefully scrape of all loose and flaking paint and rub back to sound surface
14.4		PAINTING TO EXTERNAL TIMBER
14.4.1	A	BARE WOODWORK Location: new timbers for eaves boards
	1	Initial coat: Acrylic primer.
		Finishing coats: 2 undercoats, 1 coat gloss finish
	в	Location : new timber doors
	1	Finishing coats: 3 coats of clear satin varnish; rub down between coats once dry
		varnisn type
14.4.2		PAINTED OR PRIMED WOODWORK
	1	Initial coats: Patch prime.
		Finishing coats: 2 undercoats, 1 coat gloss finish
14.5		PAINTING TO EXTERNAL METAL
14.5.1		BARE IRON OR STEEL
		Location: new rainwater pipes or gutters
	1	nitial coat: Prime. Finishing coats: 1 oil based undercoats, 1 coat alkyd gloss finish
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14.5.2	1	PAINTED OR PRIMED IRON OR STEEL Location: existing rainwater pipes or gutters
		Initial coat: Carefully scrape off all loose and flaking paint and rub back to sound surface; Patch prime. Finishing coats: 1 oil based undercoats, 1 coat alkyd gloss finish
	2	Location: New galvanised MS Handrails Paint metalwork; 2 undercoats & 2 coats gloss (colour tbc)
		Total for section 14 to take forward to summary sheet at end of part 3

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15 	FLOOR FINISHES
15.3	STONE / CONCRETE / QUARRY / CERAMIC TILE / MOSAIC
15.3.1	STONE PAVING Location : crypt hall
	1 Removal : lift and set aside for reuse externally in paving
15.3.3	GEOMETRIC & ENCAUSTIC FLOOR TILING Location : nave flooring Protect at all times
15.4	FLEXIBLE TILE/SHEET FLOORING
15.4.3	FLEXIBLE SHEET FLOORING : SAFETY FLOORING Location: crypt kitchen; crypt wheelchair wc; Ground floor wheelchair wc; gents & ladies toilets, part of hall to toilets
	1 Tiling M50/ : Safety sheet flooring, fixed with adhesive to manufacturer's instructions.
-	Base: solid screed and floor ducting; add self levelling screed overall Sheet : Safety flooring
	Reference /Manufacturer : Classic 25 from Altro Ltd
[Colour/pattern: to be selected
	Adhesive (and primer if recommended by manufacturer): Accessories: turn up walls as skirting over coving sections
	Finishing: seal and polish as clause 820
	2 Special requirements:
	Include for coved skirtings using manufacturer's cove former, to a height of 100mm. Seal at junction with tiling edge
	Joints to be welded to manufacturer's instructions.
	All corners to be mitred, seams to be welded.
ŀ	
15.6	TIMBER / WOOD FLOORING
15.6.1	FLOOR BOARDING
	Location : pew boarded areas
	Location : South Transept
ļ .	Refinishing of relaid and existing boards
-	Clean off all debris, rub down, prepare and lightly sand; remove all dust prior to polishing Polish entire boarded areas
}	Polish type / manufacturer : Mega by BonaKemi AB / 3 coats

15	FLOOR FINISHES
15.6.2	WOOD BLOCK FLOORING Location : crypt spaces - classroom 1, classroom 2, hall corridor from rear entrance door to top of ramp 1 Carpentry : existing wood flooring classrooms - herringbone wood blocks 300 x 75mm x 25mm thick; 2 Flooring repairs : A allow to lift all wood block flooring and set aside; clean off all debris and adhesive and prepare for relaying B Allow to supply new Douglas Fir wood blocks to make up for areas C relay all wood block flooring in herringbone pattern as existing lay in proprietary adhesive over whole areas D In floor ducts form lift out panels in wood blocks perpendicular to ducts; blocks screwed to 18mm ply to sit in duct panels Sand whole floor to smooth finish and to remove old layers of varnish Finish : Polish type / manufacturer : Mega by BonaKemi AB / 3 coats
	Total for section 15 to take forward to summary sheet at end of part 3

17	EXTERNAL WORKS	
17.1	CONCRETE LIGHTWELLS & EXTERNAL STEPS Location: North and South sides of the building Refer to drawings; inc detail drawing of stone to lightwells	
ſ	1 Excavation D20: To suit rake of steps as shown	
-	2 Formwork E: To suit.	
	3 Concrete E: refer to SEng drawings	
	4 Stone F21 :	
17.2	BRICKWORK	
17.2.4	COMPLETE FORMATION OF OPENING IN EXISTING BRICK BOUNDARY WALL Location: POND STREET BOUNDARY	
	1 Taking down C20: Carefully dismantle the brickwork between the boundary piers to sound bed; clean off all bricks and set aside for reuse carefully dismantle stone coping sections;	
	clean off and set aside for reuse take down brickwork below ground level to level of ton of footings	
	Carefully remove stone plinth section set into brickwork; trim stone neatly for new size; set into place & make good	
	2 Brickwork C41: make good to newly exposed sides of piers in reused bricks in lime putty:sand mortar bricks and stone coping sections to be reused from set aside material provided by Employer piece in salvaged bricks into pockets where stone copings removed	
	Pointing F10: Rake out existing spawled and defective brickwork to a depth of 25 mm; new flush lime putty:sand pointing Pointing sample to be undertaken prior to pointing work	
*	Allow: 5sq. m repointing.	
4	Refer to drawings no 2828 / 135 & 241	
17.2.6	REBUILD DEFECTIVE BRICK PIER & WALL Location : West Gate North pier Refer to drawing 2828 / 245	
17.2.7	REBUILD DEFECTIVE BRICK PIER & WALL Location : South Gate piers Refer to drawing 2828 / 244	

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17	7	EXTERNAL WORKS	
17.3	3	TIMBER FENCE	_
17.3.1		TIMBER RAIL & POSTS Location : North & South sides of the lightwells refer to detail drawing 1 Carpentry : seasoned oak posts and rails; rails set at 45 degrees 100 x 100mm section timbers rails fixed to post with diagonally fixed stainless steel screws and holes pelletted	
17.4		METAL WORK	
17.4.1		REPAIRS TO METAL WORK - wrought iron work Location: West gates refer to drawing 2828/245 work to be in accordance with Listed Building consent dismantle gates; repair fittings and refit gate to frames; repair fittings and opening action and setting of gates to stone base undertake paint sample and report findings refer to section 1 provisional sums for named subcontractor work	
17.4.1		REPAIRS TO METAL WORK - wrought iron work Location: South gates refer to drawing 2828/244 refer to quotation from David Cooper work to be in accordance with Listed Building consent Dismantle gates from piers repair right hand gate manufacture left hand gate to match in all respects the right hand gate undertake paint sample and report findings refer to section 1 provisional sums for named subcontractor work	
17.4.4	1 2 3	NEW METAL GATE Location: Pond Street vehicle entrance refer to drawing 2828 / 241 Excavation D20: To receive 300 x 300 x 400 mm holes for each post. Metalwork Z: mild steel gate Concrete E: concrete mix GEN 1 post surrounds 300 x 300 x 400 mm deep for posts.	

	17	EXTERNAL WORKS	200
1	7.5	PAVINGS	
17.	5.2	NEW PAVING SLABS Location: all round the property refer to external layout drawing 2828 /200	
		1 Excavation D20: Excavate level base below existing ground level for new levels and subbase.	
		2 Paving Q25: Manufacturer/type : York stone slabs min 50 mm thick; slabs to BS 368 well pressed into bed. include to reuse slabs from within the crypt hall floor and from set aside slabs from the paving on site	
		Sub base : consolidated hardcore; minimum 50 mm 1.3 lime/sand bed laid to falls to gullies.	
		Joints filled with 1:3 lime/sand brushed in dry. All cutting by abrasive saw.	
17.5	.3	EXISTING PAVING Location : stone paving from West gates to West entrance stone paving under Narthex	
		1 Dismantling : carefully lift all stone paving slabs in areas shown clean off and set aside for relaying	
-		2 Paving Q25 Relay existing slabs in same locations to new levels; paving to run from West gate to West door threshold for level access	
		Sub base : consolidated hardcore; minimum 50 mm 1:3 lime/sand bed laid to falls to gullies. Lay level bed for differing thickness of slabs as necessary Slabs to be well pressed into bed	
		Joints filled with 1:3 lime/sand brushed in dry. NB : Cutting should not be necessary due to reuse of slabs; Any cutting by abrasive saw.	
17.5.3		SUBBASE FOR HARDSTANDING Location: VEHICLE HARDSTANDING refer to external layout drawing 2828 /200	
	1	Excavation : D20 : excavate top soils and sub soil as necessary for granular sub base to finish level with existing ground level	
	2	Prior to laying type 2 MOT, area of land to be covered with geotextile matting : Standard grade 1000 matting with Terram grid 3 –3 W Both by Terram Ltd (01495 757 722)	
	3	Granular subbase Q20 : 200mm type 2 MOT subbase on geotextile filter; compacted with roller to create a firm and level surface	
	4	Carpentry : Support edges of vehicle route and turning bay with seasoned treated rough sw timber boarding held in with short timbers	

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17	7	EXTERNAL WORKS
		 Item Paving Provide and lay Interlocking ground maintenance system in accordance with manufacturers instructions Manufacturer : Gridforce Ltd, C118 the Heath Business & Technical Park, Runcorn, Cheshire, WA7 4QX 01928 513 650 Type : GF 40 size 500 x 500 x 40mm deep Earth : lay top soil overall area of gridforce
17.5.5		GRAVEL Location: all round the property, where shown on plans refer to external layout drawing 2828 /200 Paving Q25
17 7		prepare subbase, grade to new levels; lay well washed loose gravel in areas shown on plan 50mm thickness
17.7.1		PREPARE GARDEN
	1	Location: all site Filling D20/ Seeding Q30: Clear garden of all builder's rubbish, dig over, rake and leave to general level surface.
17.7.2	1	TURF Location: all round the property, where shown on plans refer to external layout drawing 2828 /200 Seeding Q30 : prepare subbase, grade to new levels; 200mm top soil: rake to level, consolidate and prepare for twf
17.7.3		ay turfs and bed in place; water in place PLANT SHRUBS .ocation : 20 no behind boundary walls .ocation : 8 no to form screen round binstore area .ocation : 8 no to form screen round air intakes Refer to site layout plan 2828 / 200
		nature with suitable composts, bone meal and hanure.

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17 EXTERNAL WORKS

ed subcontractor work
sheet at end of part 3