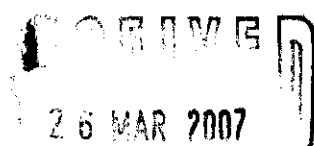


L	WINDOWS / DOORS / STAIRS : To be read with Preliminaries/General conditions.
770	BUILDING IN TIMBER FRAMES: Fix dpcs with galvanized clout nails to backs of frames which are to be built into external openings.
790	FIXING CENTRES FOR TIMBER FRAMES: When not predrilled or specified otherwise, position fixings 150 mm from each end of jamb, adjacent to each hanging point and at 600 mm maximum centres.
791	FIXING TIMBER FRAMES: fix frames to brickwork or masonry through Protim joinery lining damp proof membrane; which turn below base of frame
820	SEALANT JOINTS: Prepare joints and apply sealant as section Z22. Finish triangular fillets with a flat or slightly convex profile.
830	FIXING IRONMONGERY GENERALLY: Assemble and fix carefully and accurately using fasteners supplied by the ironmongery manufacturer, with matching finish and equivalent corrosion resistance. Holes for components to be no larger than the minimum required for satisfactory fit/operation. Protect ironmongery and adjacent surfaces as necessary to prevent damage. At completion, check, adjust and lubricate as necessary to ensure correct functioning of all moving parts.
850	LOCATION OF HINGES: Where not specified otherwise, position hinges with centre lines 250 mm from top and bottom of door leaf. Position third hinge on centre line of door leaf. Position hinges for fire resisting doors in accordance with door leaf manufacturer's recommendations.
L40	GENERAL GLAZING
L40	GENERAL REQUIREMENTS
130	REMOVAL OF GLAZING FOR REUSE: Carefully remove existing glazing and glazing compound, beads, etc., avoiding damage to the frame, to leave clean smooth rebates free from obstructions and debris. Report to CA any signs of deterioration of the surround revealed by removal of glazing, compounds, etc. Do not reglaze affected surrounds until instructed. Clean glazing, beads and other components that are to be reused.
150	WORKMANSHIP GENERALLY: Glazing generally: to BS 6262. The glazing must be wind and watertight under all conditions with full allowance made for deflections and other movements. Panels/sheets to be within ± 2 mm of specified dimensions. Avoid contact between glazing panes/units and alkaline materials such as cement and lime. Keep materials dry until fixed. Keep insulating glass units and plastics glazing sheets protected from the sun and away from heat sources. Ensure that glass/plastics, surround materials, sealers primers and paints/clear finishes to be used together are compatible. Comply with glazing and sealant manufacturers' recommendations.
152	PREPARATION: Clean surrounds, rebates, grooves and beads, and prepare as specified before installing glazing.
155	GLASS GENERALLY: To BS 952 and the relevant part(s) of: BS EN 572 for basic soda lime silicate glass. Panels/sheets to be clean and free from obvious scratches, bubbles, cracks, rippling, dimples and other defects. Edges generally undamaged. Shells and chips not more than 2 mm deep and extending not more than 5 mm across the surface are acceptable if ground out.
L40	TYPES OF GLAZING



L	WINDOWS / DOORS / STAIRS : To be read with Preliminaries/General conditions.
200	<p>LEADED BAR GLAZING</p> <p>Reuse all existing stained glass in new glazing</p> <p>Cathedral glass formed in panels of lead bars; fixed at edge into rebate in stone mullions / sections; fixed to support bars/ ferramenta across glazing</p> <p>Type of glass : Cathedral glass; rolled finish one side, bubble finish on other</p> <p>Pane size :generally : square c 75 x 75; diamond 75 x 75; rectangular 35 x 75</p> <p>Thickness: 3mm</p> <p>Lead Cames: H section to match existing cames</p> <p>Side fixing :</p> <p>Type of putty: linseed oil putty to BS 544 / metal casement putty</p> <p>Apply sufficient putty to produce not less than 1.5 mm finished thickness of back bedding after inserting glazing.</p> <p>Locate glazing centrally in rebate in surround; secure / wedge in place with lead wedges along entire length.</p> <p>Fixing to ferramenta :</p> <p>Lead solder coppber clips from lead bars to ferramenta at 150mm centres; twist tightly over ferramenta and turn down neatly.</p>
201	<p>COLOURED GLAZING</p> <p>Cathedral glass formed in panels; fixed at edge in timber beads</p> <p>Type of glass : Cathedral glass; rolled finish one side, bubble finish on other</p> <p>Pane size : refer to detailed drawings</p> <p>Thickness: 3mm</p> <p>manufacturer : Hetleys</p>
202	<p>COLOURED GLAZING</p> <p>Cathedral glass formed in panels; fixed at edge into rebates in stone surrounds - lime putty mortared in place</p> <p>Type of glass : Cathedral glass; rolled finish one side, bubble finish on other</p> <p>Pane size : refer to detailed drawings</p> <p>Thickness: 4mm</p> <p>manufacturer : Hetleys</p>
210	<p>NEW SUPPORT BARS / FERRAMENTA</p> <p>New support bars / ferramenta to be 6mm round section; material austenitic steel</p> <p>Fixing into existing hole in stonework; which clean out prior to fitting; drill out as necessary for new bar</p> <p>Paint overall before fixing: undercoat, matt black finish</p> <p>Fix bar into existing hole in stonework, which clean out prior to fixing; fix in place with lime putty:stone mortar</p>
220	<p>RESECURING SUPPORT BARS / FERRAMENTA</p> <p>Carefully remove existing loose putty or mortar from ends of bars in masonry;</p> <p>Clean up bars and remove all debris</p> <p>Paint overall before fixing clips to glass lead bars</p> <p>Fix bar into existing hole in stonework; fix in place with lime putty:stone mortar</p>
250	<p>BEAD FIXED SINGLE GLAZING : with tapes and capping sealant</p> <p>Apply tape of sufficient thickness to produce not less than 3 mm bed on both sides of the glazing after compression. Butt joint tape at corners, leaving no gaps.</p> <p>Tape to finish approximately 6 mm short of sight line on external side of glazing to receive capping sealant.</p> <p>Locate glazing centrally in the surround using setting and location blocks.</p> <p>Bed beads in sealant, press firmly into position to compress tape, and fix securely.</p> <p>Carefully trim excess tape on internal side to a smooth chamfer.</p> <p>Apply capping sealant to fill void between bead and glazing and finish to a smooth chamfer.</p>
260	<p>BEAD FIXED SINGLE GLAZING : with extruded gaskets</p> <p>Locate glazing centrally in surround using setting and location blocks.</p> <p>Install gaskets and fit beads as recommended by the frame manufacturer. Cut gasket sections over length to ensure a tight fit without gaps at corners.</p>
300	<p>LEADED BAR GLAZING</p> <p>Reuse all existing stained glass in new glazing</p>

L	WINDOWS / DOORS / STAIRS : To be read with Preliminaries/General conditions.
	<p>Cathedral glass formed in panels of lead bars; fixed at edge into rebate in stone mullions / sections; fixed to support bars/ ferramenta across glazing</p> <p>Type of glass : Cathedral glass; rolled finish one side, bubble finish on other</p> <p>Pane size :generally : square c 75 x 75; diamond 75 x 75; rectangular 35 x 75</p> <p>Thickness: 3mm</p> <p>Lead Comes: H section to match existing comes</p> <p>Side fixing :</p> <p>Type of putty: linseed oil putty to BS 544 / metal casement putty</p> <p>Apply sufficient putty to produce not less than 1.5 mm finished thickness of back bedding after inserting glazing.</p> <p>Locate glazing centrally in rebate in surround; secure / wedge in place with lead wedges along entire length.</p> <p>Fixing to ferramenta :</p> <p>Lead solder copper clips from lead bars to ferramenta at 150mm centres; twist tightly over ferramenta and turn down neatly.</p>
320	<p>NEW SUPPORT BARS / FERRAMENTA</p> <p>New support bars / ferramenta to be 6mm round section; material austenitic steel</p> <p>Fixing into existing hole in stonework; which clean out prior to fitting; drill out as necessary for new bar</p> <p>Paint overall before fixing: undercoat, matt black finish</p> <p>Fix bar into existing hole in stonework, which clean out prior to fixing; fix in place with lime putty:stone mortar</p>
340	<p>RESECURING SUPPORT BARS / FERRAMENTA</p> <p>Carefully remove existing loose putty or mortar from ends of bars in masonry;</p> <p>Clean up bars and remove all debris</p> <p>Paint overall before fixing clips to glass lead bars</p> <p>Fix bar into existing hole in stonework; fix in place with lime putty:stone mortar</p>
370	<p>BEAD FIXED INSULATING GLASS UNITS : with insert gasket sections</p> <p>Locate insulating unit centrally in surround using setting and location blocks.</p> <p>Install gaskets and fit beads as recommended by the frame manufacturer. Cut gasket sections over length to ensure a tight fit without gaps at corners.</p> <p>Ensure that drainage and ventilation holes are not obstructed.</p>
371	<p>BEAD FIXED INSULATING GLASS UNITS : with cellular adhesive sections/strips or preshimmed mastic tapes</p> <p>Apply glazing section/strip/tape to rebate upstand in position recommended by the manufacturer.</p> <p>Locate insulating unit centrally in surround using setting and locations blocks.</p> <p>Apply second glazing section/tape to beads, Install beads using sufficient pressure to compress inner and outer sections/strips/tapes and fix securely.</p> <p>Ensure that drainage and ventilation holes are not obstructed.</p>
372	<p>BEAD FIXING INSULATING GLASS UNITS :with load bearing tapes or synthetic rubber sections with sealant capping</p> <p>Apply glazing section/strip/tape to rebate upstand finishing approximately 5 mm short of sight line to allow for capping sealant.</p> <p>Locate insulating unit centrally in surround using setting and location block.</p> <p>Apply second glazing section/strip/tape to beads finishing approximately 5 mm short of sight line. Install beads using sufficient pressure to compress inner and outer sections/strips/tapes and fix securely.</p> <p>Apply capping sealant to both sides of glazing unit and finish to a smooth chamfer.</p> <p>Ensure that drainage and ventilation holes are not obstructed.</p>
380	<p>BEAD FIXED INSULATING GLASS UNITS : for inside or outside bead glazing with solid bedding</p> <p>Apply sealant to full height to rebate. Use distance pieces to give not less than 3 mm bed between rebate and unit.</p> <p>Locate insulating unit centrally in surround using setting and location blocks.</p> <p>Fill edge clearance void with outer sealant and apply a substantial bead between the unit and the rebate platform. Insert distance pieces to give not less than 3 mm bed between unit and beads.</p> <p>Bed the beads on sealant and apply sufficient pressure to extrude the sealant up between beads and unit. Fix beads securely.</p> <p>Apply further sealant to complete the bedding up to sight line and finish with a smooth chamfer.</p> <p>Finish off sealant to a smooth chamfer.</p>
505	FIRE RESISTANT TAPE/STRIP GLAZING

L	WINDOWS / DOORS / STAIRS : To be read with Preliminaries/General conditions.
	<p data-bbox="240 241 1460 280">Installation to be carried out by a BM TRADA Certification or FIRAS registered installer in accordance with glazing manufacturer's recommendations.</p> <p data-bbox="240 369 279 398">end</p>

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
	B Existing holes in brickwork for flue cleaning : 4 no on East elevation below chimneys
1	Brickwork C41/F30 : take out existing metal flue 'doors'; refurbish doors and reset into openings
3.5.13	FLUE OUTLETS (BUILDERS WORK)
	A Kitchen extract outlet : location : east elevation of north transept refer to ARP drawing north transepts elevations & detail drawing
1	Brickwork C41/F10: Form opening for duct grille outlet with stainless steel flat plate (10 x 215 deep x width of opening 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 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 refer to ARP drawing east elevation proposed & detail drawing
1	Brickwork C41/F10: Form opening for duct grille outlet with stainless steel flat plate (10 x 215 deep x width of opening 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 Insect mesh rear fixed : GA W1641 powder coating colour to be selected fix louvres frame to masonry with plugs & screws
	C Boiler flue outlet : Location: east end of north transept crypt wall refer to ARP drawing north transepts elevations & detail drawing
1	Brickwork C41/F10: core drill clean openings to suit condensing boiler flues outlets; stainless steel flat plate over to support brickwork. Make good brickwork.
	D Boiler room air ventilation : Location : north side of boiler room refer to ARP drawing crypt sections proposed; north elevation & detail drawing External louvres in existing opening with Z section internal frame to divert air flow to low level 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