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10.0 NORTH AISLE (INTERIOR)

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COLLECTIONS PAGE

GENERAL

Contents:

1.0 GENERAL ITEMS

Section Contents

1.0 GENERAL ITEMS

1.1 Status of This Document

1.2 This schedule of works lists and describes works included in the contract. The Schedule of Works forms part of the Specification for North Aisle re-roofing and associated works.

1.3 Problems Arising

1.4 The 2020 Quinquennial Inspection confirmed earlier recommendations that the North Aisle roof (currently finished with an ageing temporary felt covering) required re-roofing. Minor repairs to the other roofs were also noted, along with masonry repairs to selected elevations and works to the associated rainwater goods. The North Aisle Roof was considered to be at the end of its working life and in need of replacement. At the time of inspection in late 2020, it was suggested that the PCC should aim to replace it within 12-24 months. Other, more minor work items identified in the Quinquennial Inspection varied in priority between requiring attention within 12 months and 5 years.

1.5 Brief Description of the Proposed Works

1.6 Principally, the scope of works covers the **replacement of the existing temporary felt roof covering**. Other minor work items are also included as follows:

- **work items associated with the re-roofing**, such as replacement of flashings, minor repairs to the parapet walls, possible localised repairs to the timber roof and gutter, etc;
- Also, whilst access is available and a contractor is on-site, the PCC has requested that the opportunity be taken to address a small number of **minor items identified in the QI Report** (eg. very minor repointing work to masonry, repairs and redecorations to the rainwater goods, and minor tiling maintenance to the Nave roof (north side), etc).

However, as noted above, the principal work will be the re-roofing of the North Aisle.

1.7 NORTH AISLE

ROOF

- **Re-roofing, flashings, repairs to the parapet walls, repairs to timber boarding**
    - **Option a – Lead** (traditional detailing with timber core rolls, sand-cast lead, proprietary chalk emulsion to underside, and careful application of SmartWater);
    - **Option b – Stainless steel** (provision of sound deadening mat, replicating traditional detailing using timber core rolls and stainless-steel cap (not standing seam), etc). Note, even if a stainless steel roof is chosen, lead will still need be used for the parapet gutter, flashings, etc;
- **Roof insulation -** Option for providing 100mm insulation to roof (including new roof fitted over the existing, with breathable insulation board, vented cavity with timber battens and boarding over (vented at head and foot of the roof slope, etc);
- **Temporary roof – Options with/without temporary roof**
- **Lightning protection system** - Reconfiguring existing lightning protection system to suit new roof covering (by specialist engineer);

- **Roof alarm** – **For Option a – Lead only** - Extend existing roof alarm (provided by E-Bound AVX) to cover North Aisle
- **Security Lighting** - **For Option a – Lead only** - Provide 2no. PIR security lights to the roof.

EXTERNAL WALLS

- **Rainwater goods** - Redecorate rainwater goods;
- **Masonry -**
    - Minor pointing repairs to windows, walls, etc;
        - Work to parapet walls to include:
            - removal of failing coating (see also under "ROOF");
            - reconfiguring east parapet coping detail;
    - Possible minor lime conservation to one section of stonework (if required);
- **Windows** - Overhaul window opening vents.

INTERIOR

- **Decorations**
    - Minor making good of decorations locally where damaged by rainwater ingress;

NAVE

ROOF (NORTH SLOPE)

- **Roofing** - Tiling maintenance (including removing moss);
- **Rainwater goods** - For rainwater goods see under "NORTH ELEVATION/CLERESTORY" below.

NORTH ELEVATION/CLERESTORY

- **Rainwater goods** - Redecorate rainwater goods;
- **Masonry** - Minor pointing repairs;
- **Windows** - Overhaul window opening vents;
- **Decorations** - Redecorate beam for bell (Nave North Clerestory, west end – west of chimney).

SOUTH AISLE

ROOF

- **Leadwork -**
    - Re-fix failing lead flashings and repoint;
    - Provide lead hoods to roof vent terminals (to improve weathering ability).

EXTERNAL WALLS

- **Rainwater goods** - Redecorate rainwater goods;
- **Masonry** - Minor pointing repairs to windows, walls, etc;
- **Windows** - Overhaul window opening vents.

1.8 **Traditional Repair and Conservation-Based Approach**

1.9 A traditional repair and conservation-based approach is proposed, including undertaking targeted work where appropriate, rather than more wholesale repairs. An understanding of the significance of the church as a whole and the historical and aesthetic significance of the elements being repaired has been sought. Good site practice will be required in order to provide safe access and a good working environment, as well as a dry building. The repairs generally will essentially be like-for like repairs using matching, traditional, materials. Where a modern material is to be employed, this has been in order to address specific challenges, whilst still responding to the traditional character of the building and its setting.

1.10 **Introduction, Brief Description and Historical Background**

1.11 See Appendices for "Introduction, Brief Description, and Historical Background".

1.12 **Preliminaries**

1.13 Allow for all preliminaries and preambles. Allow for all protection, access equipment, temporary works, shoring and support.

1.14	Additional Tender	Site set-up fixed cost	£……
1.15	Information Required:	Preliminary weekly cost	£……
1.16		Site clearance fixed cost	£……

1.17 The total of the weekly cost and the fixed costs should total the preliminary cost inserted in the Schedule of Works.

1.18 The successful tenderer will be required to provide a full breakdown of the fixed and time-related costs upon acceptance of their tender.

1.19 **Protection**

1.20 Generally - As appropriate, protect all parts of the fabric of the Church. Assume that all fabric is precious and protect it from damage and dust. Minimise dust and noise during the works. Clear away dust and debris as it accumulates. The Church and Churchyard, footpaths and access drive are to be kept clean and tidy at all times. Carefully soft brush down dusty surfaces on completion.

1.21 Protection of the North Aisle roof - Allow for providing suitable temporary protection against rainwater ingress whilst the repairs are being undertaken. For the option of the provision of a temporary roof as an extra/over item, see under "SCAFFOLDING".

1.22 Protection of the Organ – Where required, the PCC will arrange for their Organ Builder to visit site and sheet protect the organ (located in the western bay of the South Aisle, but facing northwards into the Nave) to protect against dust ingress whilst the repairs are being undertaken.

1.23 North Aisle Sheeting, etc. - Allow for providing sheeting to the North Arcade, to prevent migration of dust, etc, to the rest of the interior, during the works. Allow also for sheeting furniture, fixtures and fittings within the North Aisle, where this is needed.

1.24 **Health and Safety**

1.25 Protect all excavations and hazardous areas during the works, keeping the site safe and secure. The site will be a no radios/no personal stereos, and a no smoking site.

1.26 Comply with all relevant Health and Safety regulations including the CDM Regulations 2015 and provide information for the safety plan/file. Allow for addressing the requirements of the CDM Principal Designer's Pre-Construction Health and Safety Plan. See Appendices for a copy of a Designer Hazard Management Register.

1.27 The Principal Contractor is to provide suitable fire-fighting equipment and maintain an emergency evacuation procedure throughout the progress of the works. A competent person should be appointed to act as a fire marshal and the proposed fire emergency procedures are to be described in the Construction Phase Plan. The adopted procedures are to be brought to the attention of all operatives and visitors to the site. In putting together the fire plan, the Principal Contractor is to take notice of and consider any existing arrangements at the church. Ideally, there should be no hot works. However, where the Contractor believes these cannot be avoided, the need for them, along with a robust Hot Work Procedure is to be discussed with the Architect at an early stage.

1.28 **Asbestos**

1.29 When work starts, as a minimum the Contractor working on the project is to have asbestos awareness training to be able to recognise when asbestos is present. A normal, cautious approach in accordance with industry good practice is to be adopted as a matter of course by the Contractor. Whilst a copy of an Asbestos Survey is included in the Appendices, it is essential that the Contractor contact the PCC direct for the latest information on asbestos, including any Asbestos Management Plan.

1.30 **Electricity and Water**

1.31 Electricity and water on-site may be obtained free of charge within the Church/-Churchyard.

1.32 **Toilet**

1.33 Provide toilet for the workforce, in a position to be agreed on site.

1.34 **Making Good**

1.35 Allow for all making good to match the existing. Reinstate all surfaces on completion.

1.36 **Products and Materials**

1.37 All proprietary products and materials are to be employed in accordance with the manufacturer's recommendations, all codes of practice, etc.

1.38 **Project Information**

1.38 Read the Architect's specification, drawings, etc, and work by other consultants together and allow for all the parts of the work shown, described, and reasonably implied. Notify the Architect of any discrepancies, inconsistencies, etc, immediately.

1.39 Assume all work is provisional and agree on-site with the Architect (the condition of the fabric needs to be reviewed when close access is available and any opening-up work, etc, is undertaken.

1.40 **Access and Working Arrangements**

1.41 Generally — Liaise with the Parochial Church Council over keys, times of working, cleaning up for services/funerals and other specific occasions, access, location of welfare facilities etc.

1.42 Access — Allow for continued use of the Church and churchyard generally during the works, including funerals at short notice. Where required by the Contractor, use of the North Aisle by the PCC may be stopped for the duration of the project, except for emergency access through the North Aisle North Door which will need to be maintained.

1.43 Allow for maintaining emergency access for the Church through the North Aisle North Door, the Nave South Door, the (East) Entrance Porch, the South Aisle East Door, and the Boiler Room access hatch. Allow also for maintaining existing emergency access arrangements for the adjacent Church Hall.

1.44 Where possible, allow for maintaining north-south pedestrian access across the complete west elevation of the Church

1.45 Church Activities — Please note and allow for the following:

- Services:	The plan is for the following services to be relocated during the Contract: - 2no. services (every Wednesday mornings) - Mothers' Union event (Wednesday, once a month); - Youth Group (Wednesday evenings once a month).
- Weddings:	3no. weddings are booked-in (Saturdays - April, May & June)
- Funerals:	Typically about 1no. per month.
- Festivals:	Nothing currently planned.

1.46 Storage of Materials — All storage of materials is to be agreed beforehand with the Architect and the Parochial Church Council (PCC).

1.47 Tender Stage — At tender stage, the Contractor is to provide a marked-up plan to show its provisional site set-up (including, where appropriate, scaffolding, hoist, compound, skip, office, mess, lavatory, requirements for parking and working areas, as well as how access and emergency exits are to be maintained, etc.

1.48 **As-Built Drawings / Information**

1.48 Upon completion, provide a marked-up copy of the drawings/photographs showing the scope and extent of the works completed, where amended from that specified during the course of the works.

1.49 **Completion**

1.50 Upon completion, allow for removing the sheeting, and brushing down and removing debris from the interior and exterior. Remove scaffolding and leave everything clean, tidy and reinstated at completion.

1.51 **Faculty Approval**

1.52 All work (and hence the acceptance of tenders) is subject to Faculty Approval.

1.53 **Bats**

1.54 In 2016, a specialist consultant ecologist (Dr Duncan Painter, of Applied Ecology, Cambridge, working with Natural England) undertook a preliminary bat roost inspection. No evidence of bats or a bat roost were found. However, as part of the project development work for the current project, the same ecologist (Dr Painter) was re-consulted for advice. Following confirmation by the PCC that there is no current evidence and no suggestion of bats using the building, Dr Painter indicated that it was reasonable to proceed with caution with the proposed work, and that no further inspection for bats will be required (unless there is significant current or recent evidence that would suggest that bats are using the building). The proposed approach now to be adopted is as follows:

- writing into the works specifications a guidance note on good practice on how to approach the discovery of bats during construction (see below);
- working with an experienced church contractor who are aware of the issues surrounding bats;
- reminding the contractor of those issues at the pre-contract meetings.

1.55 In conclusion, it is thought unlikely that bats will be disturbed by the works proposed, and that the work can proceed with caution. If any evidence of bats is found, then further advice will need to be sought from a licensed bat worker before proceeding. Best working practices and procedures, as outlined below, will still need to be undertaken as a matter of course by the Contractor to help ensure that possible disturbance to bats during the work operations at the church will be avoided.

1.56 Best working practices and procedures include (but are not limited to) the following:

1.57 Awareness - All contractors, workmen and associated parties involved in the works should be aware of the potential for bats to be present and that care and diligence should be applied at all times during working tasks

1.58 Notification - In the event that bats are observed during work operations, work should cease immediately within the area of work and the Contractor should notify the Architect at the same time.

1.59 Inspection - Any deep masonry gap with the dimensions of 15mm by 40mm should first be inspected by torch light so as to confirm if bats are roosting in-side the gap and cavity of the wall. Bats are well-known for using such gaps. In the event that evidence of bat activity (bat droppings, scratch marks, fur, and urine staining) is observed within or around such a gap, then the gap should be left untouched and further advice be sought.

1.60 Caution - The removal of any roofing materials such as slates/tiles, lead sheeting, lead flashing, under-boarding and underfelt should be lifted in a slow, controlled manner and as vertically as is safe to do so, as bats may be roosting underneath or between materials.

Photograph of bat droppings (with drawn scale). Bat species feed on insects and their droppings would therefore crumble to dust after a light amount of pressure is applied.

1.61 **Birds**

1.62 The Contractor is to check for presence of birds as early as possible. Natural England have previously indicated that the nesting period runs from March to August (varying with species), with each nest active for about one month.

1.63 **Archaeology (Field/Building Archaeology)**

1.64 Allow for the following in connection with archaeology.

1.65 **Discoveries** — It is thought unlikely that there will be any archaeological discoveries made (ie. in relation to any excavation or opening-up work). However, if discoveries are made, work in the area of the discovery is to stop immediately and the situation brought to the attention of the Architect (who will contact the Diocese and/or the Diocesan Archaeological Advisor).

1.66 **Liaison and Attendance** — Where required by the Diocesan Archaeological Advisor, allow for liaison with and attendance on an Archaeologist, should this be required. A consultant archaeologist (appointed by Meppershall PCC direct) may be asked to carry out a watching brief for excavation or opening-up work.

1.67 **General Note** — Please see enclosed "Guidance note for Contractors When Working In Churchyards and Churches".

1.68 **Provisional Sum** — Allow a provisional sum of £500 for any recording work. — Prov. Sum £500

1.69 **Photographic Recording**

1.70 Allow for taking photographs during the works, recording progress, etc. Allow for providing these to the Architect. These are considered useful as a resource for future reference for those occasions when the Architect and others are not able to visit site.

1.71 **Lime Mortar**

1.72 See main sections for proposed selection of lime mortar. The following details note the basic mixes for Type B (non-hydraulic lime putty) mortars, based on guidance in *Mortars, Renders and Plaster, Practical Building Conservation*, volume ed. by Alison Henry and John Stewart (Abington, English Heritage, 2018).

1.73 **"B1" Lime Mortar (Lime Putty : Sand/Aggregates)** — Mix to be 1 : 2½ mix (lime putty : sand/aggregate).
- Lime putty to be mature lime putty
- Sand to be washed, well-graded white sharp sand/-aggregates to match existing pointing.

1.74 **"B2" Lime Mortar (Lime Putty : Sand/Aggregates : Stone Dust)** — Mix to be 1 : 2¼ : ½ mix (lime putty : sand/aggregate : stone dust) with pozzollan.
- Lime putty to be mature lime putty;
- Sand to be washed, well-graded white sharp sand/-aggregates to match existing pointing;
- Stone dust to be well-graded porous crushed stone

(importantly, it is to be sieved and graded to remove most of the fines);
- Pozzolan to be 10% (by volume of coarse stuff) Trass or PFA, or 5% (by volume of coarse stuff) Metakaolin or GGBS. [For tough or moderately durable masonry in good condition in very exposed locations, the percentages of pozzolan can be doubled.]

1.75 **"B3" Lime Mortar (Lime Putty : Sand/Aggregates : Crushed Brick)**

Mix to be 1 : 2 : 1 mix (lime putty : sand/aggregate : crushed brick).
- Lime putty to be mature lime putty;
- Sand to be washed, well-graded white sharp sand/-aggregates to match existing pointing;
- Crushed brick to be crushed "buff" or "white" brick, typically 400 microns to 20 microns).

1.76 Allow for providing a sample for approval by the Architect before putting the works in hand. Point full and flush. After initial set of mortar brush with a stiff bristle brush to remove laitance and expose aggregate.

1.77 **Specialist Conservator**

1.78 Specialist conservator to be Matthew Beesley of Gem Conservation (acting as your domestic sub-contractor), 4 Mill Pond Drive, Upton, Northampton, Northamptonshire NN5 4EW. Telephone (07720) 763862.
E-mail matthewbeesley67@yahoo.com.

1.79 **Stone Samples**

1.80 Where new stone is to be provided, allow for providing stone samples for approval by the Architect (see detailed clauses for further information on stone).

1.81 **Lightning Protection System**

1.82 **Allow for a lightning protection system test engineer to alter and extend the existing system to accommodate the works described in this specification.**

1.83 It is understood that the new roof covering will need to be bonded to the LPS (to be confirmed by LPS Test Engineer). The PCC's current engineer is understood to be J. W. Grey Lightning Protection Ltd, Unit 1, Swanbridge Industrial Park, Black Croft Road, Witham, Essex CM8 3YN. Telephone: (01376) 503330. They will be familiar with the building, however, if the Contractor wishes to appoint another firm, details are to be supplied at tender stage.

1.84		**Provisional Sums**		
1.85		Provisional Sums		
1.86		The following Provisional Sums shall be expended as directed by the Architect, or deducted in whole or part as directed.		
1.87		**Undefined Provisional Sums**		
1.88	**A**	Contingencies		Prov. Sum £15,000
1.89	**B**	Add for main contractor's loss of discounts, profit and overheads on the above defined and undefined nett provisional sums.	……%	
1.90	**C**	Add for obtaining and placing orders for the above specialist supply and supply and fit items including checking deliveries and general and special attendances.		
1.91		Labour Daywork The contractor shall fill in the following hourly rates which shall include for all profit and overheads		
1.92	**D**	Building Craftsman - Roofer (Provisional Hours)	9 hours @……	
1.93	**E**	Building Craftsman – Stonemason/Bricklayer (Provisional Hours)	9 hours @……	
1.94	**F**	Building Craftsman - Carpenter (Provisional Hours)	9 hours @……	
1.95	**G**	Building Craftsman - Decorator (Provisional Hours)	9 hours @……	
1.96	**H**	Building Labourer (Provisional Hours)	9 hours @……	
1.97	**I**	Electrician (Provisional Hours)	9 hours @……	
1.98		**Material Costs**		
1.99	**J**	Materials		Prov. Sum £250
1.100	**K**	Add for overheads and profit	……%	
1.101		**Plant Costs**		
1.102	**L**	Plant		Prov. Sum £250
1.103	**M**	Add for overheads and profit	……%	

SCAFFOLDING

Section Contents

2.0 SCAFFOLDING

2.1 Scaffolding

2.2 Where scaffolding is required to carry out all or part of the works it is to comply with the following sections.
IMPORTANT: It is the Contractor's responsibility to assess the extent of scaffolding or other access required and allow for this in the tender. If the Contractor wishes to adopt a means of access which is alternative to the use of scaffolding, details are to be submitted at tender stage (and can be indicated and detailed as an addendum to the access specification).

2.3 Allow for providing an independent scaffold appropriate for carrying out the works. Include for maintaining, altering and adapting the scaffolding as necessary for the works and removing on completion. Excessive point loads should not be introduced on any part of the fabric or area of the church or churchyard. Allow for any storage of materials on the scaffold, if required. Loads from the scaffolding are to be distributed at ground level as local conditions dictate. The Contractor is responsible for reviewing with the scaffolding subcontractor at tender stage and for designing the scaffolding to suit local conditions. Use clean-rust free tube, capped at ends facing masonry (with a minimum 25mm gap between scaffolding & building).

2.4 Hoarding, Ladders, Protection, etc. Externally, enclose the base of the scaffolding (to a height of 3.5m) with clean and tidy metal or timber hoarding. If there is a door in the hoarding, this is to be lockable. Provide debris netting above the hoarding. All ladders must be within the enclosed locked perimeter (or removed at the end of the working day).

2.5 Lightning Protect. Allow for a temporary lightning protection system.

2.6 Scaffold alarm system Allow an extra/over price for provision of a full scaffold alarm, and erecting clear signage around the scaffold, building and churchyard access points (to give the clear impression that the building and scaffold are protected). There is an existing roof alarm (provided by E-Bound) which, it is understood, can be extended to cover the scaffold (see Appendices). Please ensure that the scaffold alarm cover both North- and South aisle scaffolds.

2.7 Health and safety The Contractor will be responsible for all health and safety during the erection/dismantling and must supervise the scaffolding subcontractor. Members of the church and general public use the churchyard and it is paramount they are kept safe.
Allow for maintaining emergency access in/around the buildings.

2.8 Temporary Roof Allow an extra/over price for the provision of a temporary roof to the North Aisle (including a temporary rainwater disposal system for the temporary roof and temporary lightning protection system). Allow for any savings arising from the improved working conditions and avoiding the need to protect the roof slopes with tarpaulins each day.

2.9	Additional Tender Information Required:	Scaffold erection cost	£……
2.10		Scaffold dismantling cost	£……
2.11		Additional weekly hire cost	£……

ROOFS

Contents

3.0 NORTH AISLE ROOF

Section Contents

3.0 **NORTH AISLE ROOF**

3.1 DEMOLITIONS, INSPECTION AND REPORTING (NORTH AISLE ROOF)

3.2 **Demolitions, Inspection and Reporting (North Aisle Roof)**

3.3 **Allow for all demolitions and inspection and reporting to the Architect.**

3.4	**Stripping Existing Roof Covering**	**Allow for stripping the existing temporary felt roof covering, etc, and, where required, lifting selected areas of timber boarding to enable inspection of roof and parapet gutter structure.**
3.5	**Inspection**	**Allow for inspection of the existing timber roof and parapet gutter structure by the Structural Engineer and Architect.**

3.6 TIMBERWORK, ETC. (NORTH AISLE ROOF)

3.7 **Roof Structure Repairs (North Aisle Roof)**

3.8 **Provisionally allow for timber repairs and alterations to the North Aisle roof structure, including any temporary support required. All repairs are provisional.**

3.9 **Wall Plate** **Provisionally allow for timber piece repairs to the wall plate.** For pricing purposes assume replacement wall plate is in fully-seasoned English Oak, 175x200mm in profile. Assume that a length of 900mm is to be replaced in 1no. section. New sections are to be half-lapped, fixed with traditional timber pegs. Allow for the use of a damp proof membrane to isolate new timber from what might still be damp masonry. Final details to be agreed with Str. Eng. & Architect before putting work in hand.

3.10 **Rafter End Repairs** **Provisionally allow for replacement of 2no. common rafter ends in fully-seasoned heartwood of English Oak.** Profile to match the existing. For pricing purposes, assume the replaced sections are 1500mm long (exact length necessary to be confirmed on site). Allow for traditional jointing to match the existing. Final details to be agreed with Str. Eng. & Architect before work put in hand.

3.11 **Replacement Rafters** **Provisionally allow for replacing 1no. rafters.** Profile to match the existing. For pricing purposes assume rafters are fully-seasoned heartwood of English Oak. Final details to be agreed with Str. Eng. & Architect before work put in hand.

3.12 **Unforeseen works** Allow a provisional sum of £750 for unforeseen structural works. Prov. Sum £750

3.13 **Roof Boarding Repairs (North Aisle Roof)**

3.14 **Allow for providing selected replacement of the existing timber boarding to the roof.** For pricing purposes, allow for replacement of an aggregate area of 10m^2, using 25mm boards of untreated European Whitewood (using heartwood, not sapwood), with a square edge. Allow 2mm gap between boards. Fix with stainless steel nails. Ensure penny gap between board when new fitted.

3.15 **Parapet Gutter Boarding and Structure (North Aisle Roof)**

3.16 **Provisionally allow for new timber boarding and structure to the parapet gutters.**

3.17 Allow for repair and reuse of the existing where possible but, for pricing purposes, allow for complete replacement of gutter structure and boarding. Where boarding and structure are serviceable and meet the requirements for the lead covering (see later section), these are to be retained. However, for pricing purposes, allow for 100% replacement of the gutter boarding and timber structure, to suit the leadwork specified. Minimum drips to be 60mm. Ensure water drains efficiently to sumps, outlets, etc. Final scope of the works to be agreed on-site with the Architect. For pricing purposes, replace using 25mm boards of untreated European Whitewood (using heartwood, not sapwood), with a square edge. Allow penny gap between boards. Fix with stainless steel nails.

3.18 **Roof Insulation (North Aisle Roof)**

3.19 **Provisionally allow for insulating roof**.

3.21 **Insulation #1 / - Sarking (ISOLAIR)**

Allow for 100mm thick Pavatex ISOLAIR woodfibre insulation/sarking board on top of the existing roof deck.
Isolair is a high-performance, vapour-permeable and pressure-resistant insulation/sarking board, and should be fitted in accordance with the manufacturer's recommendations. The board should be laid on top of the existing timber roof boarding, and secured to the roof structure.
Joints - Butt joints should be tight to ensure no gaps. To the abutment with external face of the Nave North Clerestory, you will need to cut the top edge of the insulation/sarking board at an angle to ensure a close fit with the masonry.

3.22

Accessories - It is understood that the following accessories will be required:
STRH fixings – these thermally broken washer / self-tapping fixings are to be used to secure the Isolair to the roof deck (please ensure that fixings line with the rafters below);
Pavaflex PAVATAPE 150 – to be used to seal the Isolair with the timber eaves batten/stop, and with the masonry abutments to head and both west and east ends of the roof (you may need to apply a lime parge coat to the masonry prior to fitting tape in order to ensure a flat surface;
Pavaflex PAVAPRIM – to be used to aid the use of the Pavatape;
Pavaflex PAVACOLL – to be used to seal the T&G joints.

3.23

For the nearest stockist/supplier, contact Unity Lime (Bucks).
The Hangar, Worminghall Road, Oakley, Buckinghamshire, HP18 9UL.
E-mail: technical@unitylime.co.uk
Website: w: www.unitylime.co.uk
Telephone: (01904) 405797

3.24 **Eaves Battens/-Upstands (Edge of Isolair**

To the Pavatex Isolair insulation board, allow for an ex-50x100mm timber batten/upstand to the bottom (at the eaves) and the side abutments with the parapet walls.

3.25 **Board Insulation)**

This will function as a stop for the insulation board, provide a location for fixing the AIRTRAK Eaves Ventilator, and provide an upstand for the lead sheets at roof side abutments. At the perimeter edges of the roof (eaves, side abutments, and head abutment), allow for tightly in-filling gaps with adjacent parapet walls with PAVAFLEX insulation material (see below).
Provisionally allow for a parge coat of plaster/render to the rear of the parapet wall, in order to form a smooth surface to seal.

3.26-3.27 **Insulation#2 (PAVAFLEX) and Fascia/Boarding**

Allow for Pavatex PAVAFLEX flexible 100mm woodfibre insulation. Insulation should be fitted in accordance with the manufacturer's recommendations. The insulation should be fitted snugly (ie. no air gaps) between the rafter feet (in 2no. vertical layers), at the bottom of the roof slope, above the wall plate. For the nearest stockist/supplier, see Item 3.23 above.

3.28 **New Ventilated Roof Deck (North Aisle Roof)**

3.29 **Provisionally allow for new ventilated roof deck**

3.30 **Roof Boarding** — **Allow for new timber boarding.**
Boarding to be untreated 25mm thick untreated European Whitewood (using heartwood, not sapwood), fixed with stainless steel fixings. See drawings for the step to be formed at the head of the roof slope. Allow for penny gap.

3.31 **Battens** — **Allow for timber battens on top of the insulation.**
Counter-battens to be 50x50mm untreated heartwood of European Whitewood. The battens must be fixed securely to the existing roof, not just the new insulation board (please ensure that fixings line with the rafters below). Allow for stainless steel screw fixings. See drawings for the step to be formed at the head of the roof slope.

3.32 **Roof Ventilation** — **Form new linear abutment ventilation details at the head abutment and eaves, venting the air layer between the battens. See drawings for typical construction details.**

3.33 Ventilation details to be confirmed following discussions between the Architect and chosen roofing contractor before works are put in hand.

3.34 Ventilator available from: Nicholson Roof Products www.nicholsonsts.com, info@nicholsonsts.com. Telephone: (01763) 295828. See Appendices for Nicholson technical details. Allow for all builder's work, materials, etc, in connection with fitting these ventilators (eg. timber battens, stainless steel fixings, etc).

3.35 **Head Abutment Ventilation -** Nicholson Airtrak EA100-FR Fire Resisting Eaves. Ventilator to provide continuous ventilation along head abutment. Allow for Nicholson AIRTRAK 'Clipfast' system to restrain bottom edge of lead flashing.

3.36 **Eaves Ventilation -** Nicholson Airtrak EA120-FR Fire Resisting Eaves Ventilator Ventilator. Ventilator to provide continuous ventilation along eaves. Allow for AIRTRAK 'Clipfast' system to restrain bottom edge of lead flashing.

3.37 **Batten To Coping** — **Provisionally allow for batten to the east parapet coping.**

3.38 (At East Abutment) In case it is found to be needed, provisionally allow for a timber batter to the side of the existing east parapet coping (see drawings). 100x50mm timber in untreated heartwood of European Whitewood (using heartwood not sapwood). Allow for stainless steel resin-anchor fixings.

3.39 ROOF COVERING – GENERAL NOTE (NORTH AISLE ROOF)

3.40 **Options (North Aisle Roof)**

3.41 **It is anticipated that the North Aisle will be re-roofed with a traditional lead roof covering. However, a final decision has not yet been made and the PCC would like to include for the option of a modern stainless steel roof covering.**

3.42 **As a stainless-steel option may be cheaper than a lead option, the Schedule of Works describes first an option for a stainless steel roof covering (item 3.44-3.55), with an extra/over option for a traditional lead roof later in this section (items 3.74-3.94).**

3.43 **Note: Even where a stainless-steel roof covering is selected, some roof detailing (eg. the parapet gutters, flashings, roof outlets, chutes, etc) will still be in lead.**

3.44 ROOF COVERING – OPTION FOR STAINLESS STEEL ROOF COVERING (N. AISLE ROOF)

3.45 **Stainless Steel Roof Covering (North Aisle Roof)**

3.46 **Allow for finishing the roof using terne-coated stainless steel system, with standing seams and associated details, etc.**

3.47 **Generally**

Supply and install new terne-coated stainless steel sheet roofing system to replace the previous finish. System to be Uginox terne-coated stainless steel roofing system (or equal and approved). Fit in accordance with current industry best practice and the manufacturer's recommendations. Where there are any discrepancies, inconsistencies, etc, with the information contained within this Specification, Schedule of Works and drawings, notify the Architect immediately. Provide sample of the material finish at an early stage prior to putting the works in hand. System available from ALM HM – Associated Lead Mills Limited, Unit B, Bingley Road, Hoddesdon, Hertfordshire, EN11 0NX. Telephone: (01992) 801927. E-mail: sales@uginox.co.uk. If the Contractor wishes to employ a different system, details are to be provided at tender stage.

3.48 **Gauge**

Gauge to be 0.4mm thick grade 316L (EN reference 1.4404) or grade K44 (EN reference 1.4521).

3.49 **Bay Width/Length**

Ideally, the bay width will be approximately 530-550mm, to match a traditional lead roofing system (precise dimension of bay width to be confirmed following discussions between Architect and chosen roofing contractor before works are put in hand). Note, the east and west end parapet walls of the North Aisle roof may not be parallel – the Contractor is to check and discuss with the Architect how this aspect is to be detailed. Roof bays are to run the full length of the roof slope to suit eaves and head abutment details, etc.

3.50	**New Timber Roof Boarding and Battens/Firrings**	The current roof slope is split into three, with a change in level between each. This feature is understood to have originally been used to accommodate a three-bay (3no. 'vertical' bays) lead roof. In order to now accommodate a stainless steel running the full length of the roof slope, new timber roof boarding and battens/firrings will be required to 'flatten' the substrate before the new insulation and ventilated roof deck are fitted. It is anticipated that these will be applied to the lower two bays, raising the level of these to that of the uppermost bay). 'Making-up' work to be undertaken using battens or boards using solid timber – not manufactured boards like plywood, OSB, or similar.
3.51	**Upstands**	To side abutments with east and west parapet walls, and to head abutment with the Nave (North Clerestory), allow for appropriate upstands in the stainless steel for weathering.
3.52	**Underlay**	Allow for Metmat Acoustic Felt underlay (or equal and approved) in accordance with manufacturers recommendations. Underlay to act as a cushioning / sound deadening layer.
3.53	**Flashings**	Allow for providing new lead flashings to the new stainless steel roof covering, using code 6 sand cast lead. Where required, form or re-form new chases and, where appropriate, allow for use of lead tags screw-fixed with stainless steel screws into the chases, etc.
3.54	**Timber Roll Detail**	Allow for using timber rolls and stainless steel caps in order to mimic a traditional lead roof. Rolls to be a shaped ex-50 x 50 mm untreated Whitewood (using heartwood, not sapwood), profile generally to match a timber roll for a traditional lead roof. Allow for end cap detail at eaves.
3.55	**Point Ventilator** (to Head of Easternmost Bay)	Allow for using 1no. stainless steel point ventilator to the top of the roof slope, with channel formed in the woodfibre insulation below to allow free passage of air. Ventilator to: a) provide a minimum of 900mm free ventilation; to provide a standard upstand (or equivalent) to prevent rainwater entry; and be a low profile fitting (Roofer to suggest a suitable fitting). Vent to be protected by a stainless steel inset mesh. Allow for all builder's work, materials, etc, in connection with fitting these ventilators (including forming hole in timber deck).

3.56 LEADWORK FOR PARAPET GUTTER, ABUTMENTS, ETC. (NORTH AISLE ROOF)

3.56 **<u>Other Leadwork to Parapet Gutter, Abutments, Sumps, Outlets, Chutes, etc.</u>**

3.57 **Provide all other leadwork to the parapet- and new verge gutters, sumps, outlets, chutes, etc.**

3.58 This leadwork will still be required with the option for a stainless-steel roof covering.

3.59 **Leadwork Generally**

Note: Lead sheet to BS EN 12588 to be fitted in accordance with BS 6915 and the recommendations of the Lead Sheet Training Academy (formerly the Lead Sheet Association) as defined and illustrated in the "Rolled Lead Sheet - The Complete Manual"). Work to be undertaken by a specialist leadworker with appropriate experience of work on historic church buildings. Ensure water drains efficiently to sumps, outlets, etc. Lead is to be in sand cast lead: Code 7 for main sheets; and Code 6 for flashings, etc). Where needed, use traditional timber roll detail to match the existing leadwork (at 675mm centres). Despite being Code 7, sheets are to be a maximum 2250 between drips.

3.60 **Hot Works**

Hot works should be avoided wherever possible. However, where the Contractor believes these cannot be avoided, the need for them, along with a robust Hot Work Procedure is to be discussed with the Architect at an early stage.

3.61 **Underlead Chalk Coating**

Provisionally apply for applying a chalk coating to underside of lead gutter sheets.

3.62 Work to be confirmed with the Architect before being put in-hand. The purpose of this coating is to protect the new lead from the underside lead corrosion. Paint underside of lead sheets before laying. Working method to be as follows:

3.63

- The underside lead surface of each sheet is to be cleaned and roughened using a bronze wire brush and generally fitted to shape. The sheets should then be stood up and coated with a single coat of chalk emulsion to a depth of 500 micrometers. The coating must be restricted to the equivalent of the 12 o'clock position of a wood-cored roll, just overlapping the top of a lap or drip (to eliminate the possibility of the capillary rise of rainwater round the rolls or up laps or drips into the roof. The lead sheets must be left to thoroughly dry before placing on the roof and final bossing into shape.

3.64

- The coating is a proprietary emulsion previously available from Rowan Technologies Ltd, Urmston, Manchester (Contact on telephone 0161-748-3644). Other manufacturers exist and, where equal and approved, may be acceptable for use here. Use in accordance with the manufacturer's recommendations. Do not use patination oil in the leadwork on the project - chalk and patination oil are incompatible.

3.65	**Underlay**	**Allow for underlay to lead gutter sheets.** Allow for the supply and fitting of a polyester geotextile felt (not less than 220g/m2) recommended as suitable as underlay to the recommendations of the Lead Sheet Training Academy (formerly the Lead Sheet Association) as defined and illustrated in the "Rolled Lead Sheet - The Complete Manual").
3.66	**Chute Overflows**	**Provisionally allow for new lead chute overflows (and new lead covers to the existing rainwater hoppers (to east and west elevations).**
3.67		Provisionally allow for the following: - New traditional lead overflow chutes are to be secured to the existing wall with threaded stainless-steel bar, with 600mm projection, appropriate internal weir, and short (but large diameter) downspigot to safely discharge rainwater into the existing rainwater hopper - Allow for providing new lead covers to the hoppers to help prevent building-up of leaf litter, nesting material, etc); Agree detail of chutes and hopper covers with the Architect on-site prior to putting the work in-hand.
3.68	**Lead Flashings**	Allow for providing new lead flashings associated with the parapet Gutter and roof abutments, etc, using code 6 sand cast lead. Where required, form new chases and, where appropriate, allow for use of lead tags screw-fixed with stainless steel screws into the chases, etc.
3.69	**Lead Cap**	Allow for lead cap to the east parapet concrete coping, using Code 6 sand cast lead, clips, etc.
3.70	**Batten**	To the roof abutment with the east parapet concrete coping, provisionally allow for a new timber batten to flash the edge to the roof covering. Final detail to be agreed with te Architect. For pricing purposes, assume batten is 100x75mm untreated Whitewood batten (using heartwood, not sapwood).
3.71	**Pointing (to Flashings)**	Re-point the joints above the flashings in a lime mortar. Mortar to be a "B3" Lime Mortar (Lime Putty : Sand/-Aggregates : Crushed Brick) – see under "**GENERAL ITEMS**".
3.72	**SmartWater**	**Allow for applying (Employer-supplied) SmartWater to the North Parapet gutter leadwork.**
3.73		SmartWater to be applied generally as recommended by the manufacturer/supplier. Note: Apply SmartWater along the lap of the lead sheets (so that two sheets are marked using one brushstroke) in order to minimise the visual impact – not in the middle of a sheet, where even a 'clear' liquid can still visually disfigure the sheet.

3.74 ROOF COVERING – EXTRA/OVER OPTION FOR LEAD ROOF COVERING (N. AISLE ROOF)

3.75 **New Lead Roof Covering (North Aisle Roof)**

3.76 **Provide all leadwork to the roof, including associated flashings, etc.**

3.77 **Leadwork Generally**

Note:
Lead sheet to BS EN 12588 to be fitted in accordance with BS 6915 and the recommendations of the Lead Sheet Training Academy (formerly the Lead Sheet Association) as defined and illustrated in the "Rolled Lead Sheet - The Complete Manual"). Work to be undertaken by a specialist leadworker with appropriate experience of work on historic church buildings. Ensure water drains efficiently to sumps, outlets, etc. Lead is to be in sand cast lead: Code 7 for main sheets; and Code 6 for flashings, etc). Where needed, use traditional timber roll detail to match the existing leadwork.

3.78 **Hot Works**

Hot works should be avoided wherever possible. However, where the Contractor believes these cannot be avoided, the need for them, along with a robust Hot Work Procedure is to be discussed with the Architect at an early stage.

3.79 **Underlead Chalk Coating**

Provisionally apply for applying a chalk coating to underside of leadwork

3.80 Work to be confirmed with the Architect before being put in-hand. The purpose of this coating is to protect the new lead from the underside lead corrosion. Paint the underside of the lead sheets before laying. The working method generally is to be as follows:

3.81

- The underside lead surface of each sheet is to be cleaned and roughened using a bronze wire brush and generally fitted to shape. The sheets should then be stood up and coated with a single coat of chalk emulsion to a depth of 500 micrometers. The coating must be restricted to the equivalent of the 12 o'clock position of a wood-cored roll, just overlapping the top of a lap or drip (to eliminate the possibility of the capillary rise of rainwater round the rolls or up laps or drips into the roof. The lead sheets must be left to thoroughly dry before placing on the roof and final bossing into shape.

3.82

- The coating is a proprietary emulsion previously available from Rowan Technologies Ltd, Urmston, Manchester (Contact on telephone 0161-748-3644). Other manufacturers exist and, where equal and approved, may be acceptable for use here. Use in accordance with the manufacturer's recommendations. Do not use patination oil in the leadwork on the project - chalk and patination oil are incompatible.

3.83	**Timber Rolls**	**Allow for timber rolls to leadwork.**
3.84		Supply and install shaped ex-50x50 mm (profile to match the existing) untreated Baltic Whitewood (using heartwood, not sapwood) rolls.
3.85	**Laps To Main Sheet**	Despite Code 7 lead being specified, the maximum distance between laps is to be 2250mm (normally the maximum for Code 6 sheets)
3.86	**Underlay**	**Allow for underlay to leadwork.**
3.87		Allow for the supply and fitting of a polyester geotextile felt (not less than 220g/m2) recommended as suitable as underlay to the recommendations set out in the last edition of the Lead Sheet Manual (originally published by the Lead Sheet Association.
3.88	**Flashings**	See under "ROOF COVERING – OPTION FOR STAINLESS STEEL ROOF COVERING (N. AISLE ROOF)"
3.89	**Pointing (to Flashings)**	Re-point the joints above the flashings in a lime mortar. Lime mortar to be a "B3" Lime Mortar (Lime Putty : Sand/Aggregates : Crushed Brick) – see under "**GENERAL ITEMS**".
3.90	**Sacrificial Flashings**	**Allow for new sacrificial flashings**
3.91		Allow for providing new lead sacrificial flashings below each of the rainwater downpipes. Sacrificial flashings to be minimum 900mm long, using code 6 sand cast lead.
3.92	**SmartWater**	**Allow for applying (Employer-supplied) SmartWater to the leadwork roof covering.**
3.93		SmartWater to be applied generally as recommended by the manufacturer/supplier. Note: Apply SmartWater along the lap of the lead sheets (so that two sheets are marked using one brushstroke) in order to minimise the visual impact – not in the middle of a sheet, where even a 'clear' liquid can still visually disfigure the sheet.
3.94	**Point Ventilator** (to Head of Easternmost Bay)	Allow for using 1no. lead point ventilator (Nicholson Airtrak PV9 lead roof point ventilator) to the top of the roof slope, with channel formed in the woodfibre insulation below to allow free passage of air. Vent to include stainless steel insect mesh. Ventilator available from: Nicholson Roof Products www.nicholsonsts.com; info@nicholsonsts.com. Telephone: (01763) 295828. See Appendices for Nicholson technical details. Allow for all builder's work, materials, etc, in connection with fitting these ventilators (including forming hole in timber deck).

3.95 MISCELLANEOUS (NORTH AISLE ROOF)

3.95 **Rainwater Goods (Serving Nave Roof North Slope)**
3.96 See '**EXTERNAL WALLS'**, "**NAVE (NORTH CLERESTORY**)", "RAINWATER GOODS".

3.97 **Rainwater Goods (Serving North Parapet Gutter East and West Ends)**
3.98 See '**EXTERNAL WALLS'**, "**NORTH AISLE**", "RAINWATER GOODS".

3.99 **Decorations (North Aisle Roof)**
3.100 **Allow for minor decorations.**

3.101 **Clerestory Window Opening Ventilators** See '**EXTERNAL WALLS'**, "**NAVE (NORTH CLERESTORY)**", "DECORATIONS"

3.102 **Roof Alarm (North Aisle Roof)**
3.103 **Allow for extending the existing roof alarm system to cover the North Aisle Roof.**
3.104 The South Aisle roof is currently protected by a E-Bound AVX roof alarm system. This system is to be extended to cover the North Aisle. See Appendices for further details.

3.105 **Masonry Repairs to Parapet Walls (North Aisle Roof)**
3.106 See "**EXTERNAL WALLS**", "**NORTH AISLE**", "MASONRY RPEAIRS".

3.107 **Security Lighting (North Aisle Roof)**
3.108 See "**EXTERNAL WALLS**, "**NORTH AISLE**", "ELECTRICAL" .

3.109 **Lightning Protection System (North Aisle Roof)**
3.110 See "**GENERAL ITEMS"**, "Lightning Protection System".

4.0 NAVE ROOF (NORTH SLOPE)

Section Contents

4.0 **NAVE ROOF (NORTH SLOPE)**

4.1 MISCELLANEOUS (NAVE ROOF NORTH SLOPE)

4.2 **Roof Tiling Maintenance (Nave Roof North Slope)**

4.3 **Allow for minor roof tiling maintenance to the roof slope, including replacing broken, or missing tiles, de-mossing, etc.**

4.4 For pricing purposes, allow for the replacement of 25no. roof tiles in tile to exactly match the existing (in size, tile type, colour, texture, etc). Allow for inspecting and reporting on condition of the roof slope generally (including flashings, abutments, etc) to the Architect.

4.5 **Lightning Protection System (Nave Roof North Slope)**

4.6 See '**GENERAL ITEMS**', "Lightning Protection System".

4.7 **Rainwater Goods (Nave Roof North Slope)**

4.8 See "**EXTERNAL WALLS**", "**NAVE NORTH CLERESTORY**", "RAINWATER GOODS"

5.0 SOUTH AISLE ROOF

Section Contents

5.0 **SOUTH AISLE ROOF**

5.1 CLEANING DOWN, INSPECTION AND REPORTING (SOUTH AISLE ROOF)

5.2 **Cleaning Down, Inspection And Reporting (South Aisle Roof)**

5.3 **Allow for cleaning down, inspection and reporting on leadwork to the Architect.**

5.4 **Cleaning** **Allow for brushing down roof leadwork, clearing out gutters, sumps, outlets/chutes, etc.**

5.5 **Inspection** **Allow for inspection of the leadwork by a specialist leadworker, and reporting to the Architect.**

5.6 Check leadwork (including sheeting, gutters, sump, outlets/chutes, etc). Allow for selected checks for underlead corrosion (including pitting, etc, to the upper surfaces, the presence of corrosion products under existing lead sheets, and presence and nature of any underlay and/or underlead coating.

5.7 LEADWORK REPAIRS (SOUTH AISLE ROOF)

5.8 **Leadwork Repairs (South Aisle Roof)**

5.9 **Provisionally allow for carrying out repairs to the existing leadwork.**

5.10 **Flashings** Where out of position, allow for dressing back, wedging in position, etc. For pricing purposes assume 25% of the flashings to each of the four abutments require work.

5.11 Provisionally allow for 1no. new lead flashing. New flashing to be in Code 6 sand cast lead sheet, wedged in position, all in accordance with LSA requirements.

5.12 **Overflashings** Provisionally allow for 3no. overflashings where the existing flashings are split (and where overflashing regarded as a sensible repair (eg. where the split occurs in the middle of the flashing). New overflashings to be in Code 6 sand cast lead sheet, wedged in position.

5.13 **Pointing (to Flashings)** Provisionally allow for raking out and re-pointing all of the existing pointing (a large proportion of which currently appears to be failing). Re-point the joints above the flashings in a lime mortar. Lime mortar to be a "B3" Lime Mortar (Lime Putty : Sand/Aggregates : Crushed Brick) – see under "**GENERAL ITEMS**".

5.14 **Lead Rainhoods (To Roof Vents)** Allow for providing rainhoods to the existing (2no.) roof ventilators. The aim is to help prevent wind-blown rainwater entering the existing opening. These new hoods should be robustly secured with a lead mastic (rather than lead 'hot works').

5.15 MISCELLANEOUS (SOUTH AISLE ROOF)

5.16 **Masonry Repairs to Parapet Walls (South Aisle Roof)**

5.17 See "**EXTERNAL WALLS**", "**OUTH AISLE**", "MASONRY REPAIRS".

5.18 **Electrical (South Aisle Roof)**

5.19 See "**EXTERNAL WALLS**", "**SOUTH AISLE**", "ELECTRICAL".

EXTERNAL WALLS

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6.0 NORTH AISLE

Section Contents

6.0	**NORTH AISLE**			
6.1	MASONRY REPAIRS (NORTH AISLE)			
6.2	**Parapet Walls (North Aisle)**			
6.3	**All for masonry repairs to the north, east and west parapet walls.**			
6.4	**Remove failing coating** (to top/rear of parapet copings)	Allow for removal of failing paints and coatings to the top/rear of the north, east and west parapet walls. **Works are to be undertaken by the Specialist Conservator (see under "GENERAL ITEMS").**		
6.5		**Cleaning Trials**	Cleaning trials will be needed to confirm the precise nature of the range of cleaning methods to be used (such as poultices, etc). Cleaning trials should be undertaken as soon as access is available.	
6.6		**Final Removal of paints and coatings**	For pricing purposes, allow a provisional sum of £3,000 (to be confirmed once the cleaning trials have been completed).	Prov. Sum £3,000
6.7	**Masonry Repairs #1** (to Stone Copings)	Allow for undertaking a range of masonry repairs to the stone copings. Due to the presence of extensive paints and coatings, the full scope of repairs needed is not yet known, and will need to be discussed and agreed with the Architect on-site. However, for pricing purposes, the Contractor should allow for the following:		
6.8		**Pointing Repairs** (Stone Copings to North Parapet Wall)	**Allow for pointing repairs to stone coping.** For pricing purposes, assume that 50% of the joints between coping stones require re-pointing. Lime Mortar: Allow for lime mortar. Where the joints are narrow, lime mortar to be a 1 : 3 mix (mature lime putty : stone dust, where the stone dust is made from crushed stone with lots of fines). Colour of mortar to match the existing.	

6.9	**Stone Replacement** (to Copings)	**For pricing purposes, provisionally allow for replacing 2no. sections of stone coping as shown on the drawings (1no. 450mm length, 1no. 600mm length).** Allow for replacing in limestone in profile and stone-type to match the existing. However, for pricing purposes, assume limestone to be Cream Clipsham, finished with a hand drag to remove any saw marks. Allow for stone dowels or stainless steel pins to locate coping onto walltop. Ensure perpend joints are as narrow as possible. Lime Mortar: Allow for lime mortar. Lime mortar to be a "B3" Lime Mortar (Lime Putty : Sand/Aggregates : Crushed Brick) – see under "**GENERAL ITEMS**".	
6.10	**Stone Piece Repairs** (to Copings)	**Allow for replacing 2no. damaged sections of stringcourse, as shown on the drawings.** For pricing purposes, allow for the following: - **1no. 400mm long section of roll moulding to the coping (diagonally above window WN3);** - **1no. 200mm long section of drip to the coping (above buttress B3, at the far west end of the parapet wall).** Allow for replacing in limestone in profile and stone-type to match the existing. However, for pricing purposes, assume limestone to be Cream Clipsham, finished with a hand drag to remove any saw marks. Allow for fixing with stainless steel pins in lime mortar. Lime Mortar: Allow for lime mortar. Mortar to be a 1 : 3 mix (mature lime putty : stone dust, where the stone dust is made from crushed stone with lots of fines). Colour of mortar to match the existing.	
6.11	-	-	

6.12	**Masonry Repairs #2** (to Concrete Copings)	Allow for undertaking a range of masonry repairs to the concrete copings.		
6.13		**Pointing Repairs** (Concrete Copings to East and West Parapet Walls)	**Allow for pointing repairs to concrete copings.** All for replacing the existing failing/failed pointing (pointing appears to have failed due to expansion and contraction of concrete copings). For pricing purposes, assume that all of the joints between coping stones require re-pointing with a more 'flexible' conservation mortar. Modified Lime Mortar: Allow for a modified lime mortar. **Design of the lime mortar and repair work to be undertaken by the Specialist Conservator (see under "GENERAL ITEMS").**	
6.14		**Mortar Repairs** (Concrete Copings to East Parapet Wall Only)	**Allow for mortar repairs to concrete copings.** All for minor 'plastic' mortar repairs to the drip on the east side of the copings to the eat parapet wall (in order to reinstate the lost drip and help the existing coping shed rainwater efficiently). For pricing purposes, assume that 3no. 150mm lengths need to be repaired with a more 'flexible' conservation mortar. Modified Lime Mortar: Allow for a modified lime mortar. **Design of the lime mortar and repair work to be undertaken by the Specialist Conservator (see under "GENERAL ITEMS").**	
6.15	**Pointing Repairs** (to Stone Ashlar of Parapet Wall)	**Allow for minor pointing repairs to ashlar stonework of parapet walls. For pricing purposes, allow for2 linear metres of repointing.** Lime Mortar: Allow for lime mortar. **Pointing mortar** to be a 1 : 3 mix (mature lime putty : stone dust, where the stone dust is made from crushed stone with lots of fines). Colour of mortar to match the existing.		
6.16	**Unforeseen Repairs**	Allow a provisional sum of £750 for unforeseen masonry repairs.		Prov. Sum £750

6.17	**<u>Parapet Stringcourse (North Aisle)</u>**		
6.18	**Allow for masonry repairs to the parapet stringcourse to the North Aisle.**		
6.19	**Stone Replacement** (to Parapet Stringcourse)	**Allow for replacing 3no. damaged sections of stringcourse.** For pricing purposes, allow for the following: - 1no.250mm section above the North Door - 1no. 600mm and 1no. 1200mm section at the west end Allow for replacing in limestone in profile and stone-type to match the existing. However, for pricing purposes, assume limestone to be Cream Clipsham, finished with a hand drag to remove any saw marks. Allow for stone dowels or stainless steel pins to locate stone onto existing masonry. Perpend joints to be tight together. <u>Lime Mortar</u>: Allow for lime mortar. **Bedding mortar** to be a "B3" Lime Mortar (Lime Putty : Sand/Aggregates : Crushed Brick) – see under "**<u>GENERAL ITEMS</u>**". **Pointing mortar** to be a 1 : 3 mix (mature lime putty : stone dust, where the stone dust is made from crushed stone with lots of fines). Colour of mortar to match the existing.	
6.20	**Pointing Repairs** (to Parapet Stringcourse)	**Allow for minor pointing repairs to open joints in parapet stringcourse to North Aisle. For pricing purposes, assume that all joints require re-pointing.** <u>Lime Mortar</u>: Allow for lime mortar. Where the joints are narrow, lime mortar to be a 1 : 3 mix (mature lime putty : stone dust, where the stone dust is made from crushed stone with lots of fines). Colour of mortar to match the existing.	
6.21	**<u>Pebbledash Render (North Aisle East Elevation)</u>**		
6.22	**Allow for minor render repairs to the pebbledash render.**		
6.23	**Inspection and Reporting**	Allow for inspection and reporting on the pebbledash render at high level (to the full width of elevation, from the line of the rainwater hopper to the underside of the concrete coping).	
6.24	**Render Repair**	Allow for removal of approx. 300xx300mm area of damaged pebbledash render (located above the rainwater outlet to the parapet gutter). Render and aggregate is to match the existing.	
6.25	**Patination Work**	Provisionally allow and extra/over price for patination of the new render to match the existing render. For pricing purposes, allow a provisional sum of £250. **Work to be undertaken by the Specialist Conservator (see under "<u>GENERAL ITEMS</u>").**	Prov. Sum £250
6.26	**Unforeseen Repairs**	Allow a provisional sum of £250 for unforeseen repairs	Prov. Sum £250

6.27 WINDOWS (NORTH AISLE)

6.28 **Windows (North Aisle)**

6.29 **Allow for minor works to selected windows.**

6.30	**Pointing Repairs** (Window WW4)	Allow for minor pointing repair to window WW4 - North Aisle (West Elevation). To sill joint, remove mastic, prepare and repoint in lime mortar. Lime mortar to be a "B3" Lime Mortar (Lime Putty : Sand/Aggregates : Crushed Brick) – see under "**GENERAL ITEMS**".
6.31	**Overhaul Opening Lights** (Windows WN1-4)	Allow for easing and overhauling the window ventilators, including operating cord(s).
6.32	**Redecorations**	Allow for re-decorating opening ventilators in Dulux Metalshield system. Allow for all preparation work, primer and number of coats recommended by the manufacturer). Colour: Black.
6.33	**Light Clean**	Allow for carefully cleaning glazing. The intention is only for the lightest of cleaning, to clean loose and easily removed surface dirt deposits from the inside. All cleaning is to be carried out with the leaded light glazing in-situ. The window glazing is to be cleaned using soft cloths or brushes with sprayed water only. No chemicals cleaning agents, soaps, or abrasives, etc. are to be employed. Water should be distilled or de-ionized water.

6.34 RAINWATER GOODS (NORTH AISLE)

6.35 **Rainwater Goods (North Aisle)**

6.36 **Allow for inspection, repairs, and redecoration of the rainwater goods system.**

6.37 Work to include hoppers and downpipes to:

- RWP02 (North Aisle West Elevation)
- RWP05 (North Aisle East Elevation)

6.38	**Checking Over and Reporting**	Allow for taking down and checking over the condition of the existing rainwater system (including hoppers, downpipes, fixings, etc) and reporting to the Architect.
6.39	**Repairs, Re-fitting, etc.**	Where sound, allow for retaining and reusing the existing components (with spacers).
6.40		Provisionally allow for replacing 1no. section of downpipe. Any replacement is to be in a traditional cast iron system to match the existing complete with accessories required. Products to be obtained from J. W. Longbottom, Holmfirth, Yorkshire. Telephone (01484) 682141 for the nearest stockiest/supplier.
6.41	**Decorations/Re-decorations**	Allow for re-decorating rainwater goods in Dulux Metalshield system. Allow for all preparation work, primer and number of coats recommended by the manufacturer). Colour: Black.

6.42 MISCELLANEOUS (NORTH AISLE)

6.43 **Security Lighting (North Aisle)**

6.44 **Allow for new PIR-controlled security lighting.**

6.45 Provisionally allow for 2no. external floodlights to be located on the back of the North Parapet Wall (1no. in each of 2no. locations– final positions to be agreed on site with the Architect.). Each light is to be PIR controlled, and with its own isolator switch within the church. Lights are to be wide beam LED fittings and directed towards the Nave (North Clerestory).

6.46 **Decorations (North Aisle)**

6.47 **Allow for minor decorations.**

6.48 **Window Opening Vents** See under "WINDOWS".

6.49 **Rainwater Goods** See under "RAINWATER GOODS".

6.50 **Roof Alarm Wiring** Where new wiring for extension to the roof alarm system crosses the coping stones, and across the stone or rendered face of the external walls, allow for painting-in in colour to match the surface it is crossing. Paint to be an appropriate external paint.

6.51 **Lightning Protection System (North Aisle)**

6.52 See under "**GENERAL ITEMS**", "Lightning Protection System".

7.0 NAVE (NORTH CLERESTORY)

Section Contents:

7.0 **NAVE (NORTH CLERESTORY)**

7.1 MASONRY REPAIRS (NAVE NORTH CLERESTORY)

7.2 **Pointing Repairs (Nave North Clerestory)**

7.3 **Allow for minor pointing repairs to the masonry.**

7.4 Allow for raking out and re-pointing all failing, open, or hard cementitious pointing. The scope of the work is thought to be very limited and scattered across the elevation. For pricing purposes, allow for an aggregate length of 3 linear metres of pointing.
The joints are to be raked out, prepared and re-pointed. Lime mortar to be as follows:

7.5	General work (aggregate length of 1.5 linear metres)	"B3" lime mortar (Lime Putty : Sand/Aggregates : Crushed Brick) as noted under "**GENERAL ITEMS**"
7.6	Ashlar Stonework (aggregate length of 1.5 linear metres)	Traditional lime putty : stone dust mortar. Mix to be a 1 : 3 mix (mature lime putty : stone dust, where the stone dust is made from crushed stone with lots of fines). Colour of mortar to match the existing.

7.7 WINDOWS (NAVE NORTH CLERESTORY)

7.8 **Windows (Nave North Clerestory)**

7.9 **Allow for minor works to selected windows.**

7.10	**Overhaul Opening Lights** (3no. Windows – WNCL1, WNCL3, & WNCL5)	Allow for easing and overhauling the 3no. window ventilators, including operating cord(s).
7.11	**Redecorations**	Allow for re-decorating opening ventilators in Dulux Metalshield system. Allow for all preparation work, primer and number of coats recommended by the manufacturer). Colour: Black.
7.12	**Light Clean of Glazing**	Allow for carefully cleaning glazing. The intention is only for the lightest of cleaning, to clean loose and easily removed surface dirt deposits from the inside. All cleaning is to be carried out with the leaded light glazing in-situ. The window glazing is to be cleaned using soft cloths or brushes with sprayed water only. No chemicals cleaning agents, soaps, or abrasives, etc. are to be employed. Water should be distilled or de-ionized water.

7.13 RAINWATER GOODS (NAVE NORTH CLERESTORY)

7.14 **Rainwater Goods (Nave North Clerestory)**

7.15 **Allow for inspection, repairs, and redecoration of the rainwater goods system.**

7.16 Work to include:

- RWP01 (Nave west end)
- RWP03 (Nave North Clerestory, west end)
- RWP04 (Nave North Clerestory, centre)
- RWP06 (Nave east end)
- the full length of the eaves gutter serving the Nave Roof (North Slope)

Please note that work to rainwater downpipe RWP02 (North Aisle West Elevation) and RWP05 (North Aisle East Elevation) is covered elsewhere. See under "**NORTH AISLE**", "RAINWATER GOODS".

7.17	**Checking Over and Reporting**	Allow for taking down and checking over the condition of the existing rainwater system (including hoppers, downpipes, fixings, etc) and reporting to the Architect.
7.18	**Repairs, Re-fitting, etc.**	Where sound, allow for retaining and reusing the existing components (with spacers). Allow for adjusting the height of the rainwater shoes to suit the new roof deck.
7.19		Provisionally allow for replacing 1no. section of downpipe, and 1no. section of eaves gutter. Any replacement components are to be replaced in a traditional cast iron system to match the existing complete with accessories required. Products to be obtained from J. W. Longbottom, Holmfirth, Yorkshire. Telephone (01484) 682141 for the nearest stockiest/supplier.
7.20		Where the existing lightning protection downtape is bolted to the eaves gutter, allow for making sure the seal around the bolt fixing is watertight upon completion of he works.
7.21	**Decorations/Re-decorations**	Allow for re-decorating rainwater goods in Dulux Metalshield system. Allow for all preparation work, primer and number of coats recommended by the manufacturer). Colour: Black.

7.22 DECORATIONS (NAVE NORTH CLERESTORY)

7.23 **Bellcote (Nave North Elevation, West End)**

7.24 **Allow for minor redecorations to Bellcote.**

7.25 **Beam** Allow for redecorating beam and bell fixings in Dulux Metalshield system. Allow for all preparation work, primer and number of coats recommended by the manufacturer). Colour: Black. Re-instate metal mesh guard to prevent bird entry.

7.26 **Timberwork to Roof** Allow for redecorating timberwork in breathable paint system (and colour) to match the existing.

7.27 **Window Opening Vents (Nave North Clerestory)**

7.28 See under "WINDOWS".

7.29 **Rainwater Goods (Nave North Clerestory)**

7.30 See under "RAINWATER GOODS".

7.31 **Nave Roof (North Slope) Eaves Fascia**

7.32 Allow for redecorating timber eaves fascia in breathable paint system (and colour) to match the existing.

8.0	**NAVE (SOUTH CLERESTORY, EAST END ONLY)** Section Contents: **MASONRY REPAIRS (NAVE SOUTH CLERESTORY, EAST END ONLY)** Pointing Repairs (Nave North Clerestory) **WINDOWS (NAVE SOUTH CLERESTORY, EAST END ONLY)** Windows (Nave South Clerestory, East End) **RAINWATER GOODS (NAVE SOUTH CLERESTORY, EAST END ONLY)** Rainwater Goods (Nave South Clerestory, East End) **DECORATIONS (NAVE SOUTH CLERESTORY, EAST END ONLY)** Window Opening Vents (Nave North Clerestory) Rainwater Goods (Nave North Clerestory) Eaves Fascia - Nave Roof (South Slope, East End) Eaves Fascia	

8.0 **NAVE (SOUTH CLERESTORY, EAST END ONLY)**

8.1 MASONRY REPAIRS (NAVE SOUTH CLERESTORY, EAST END ONLY)

8.2 **Pointing Repairs (Nave South Clerestory, East End Only)**

8.3 **Allow for minor pointing repairs to the masonry.**

8.4 Allow for raking out and re-pointing all failing, open, or hard cementitious pointing. The scope of the work is very limited. For pricing purposes, allow for an aggregate length of 1 linear metre of pointing. The joints are to be raked out, prepared and re-pointed. Lime mortar to be as follows:

8.5	General work (aggregate length of 0.5 linear metres)	"B3" lime mortar (Lime Putty : Sand/Aggregates : Crushed Brick) as noted under "**GENERAL ITEMS**"
8.6	Ashlar Stonework (aggregate length of 0.5 linear metres)	Traditional lime putty : stone dust mortar. Mix to be a 1 : 3 mix (mature lime putty : stone dust, where the stone dust is made from crushed stone with lots of fines). Colour of mortar to match the existing.

8.7 WINDOWS (NAVE SOUTH CLERESTORY, EAST END ONLY)

8.8 **<u>Windows (Nave South Clerestory, East End Only)</u>**

8.9 **Allow for minor works to selected windows.**

8.10	**Overhaul Opening Lights** (2no. Windows: WSCL1 & WSCL3)	Allow for easing and overhauling the 2no. window ventilators, including operating cord(s).
8.11	**Redecorations**	Allow for re-decorating opening ventilators in Dulux Metalshield system. Allow for all preparation work, primer and number of coats recommended by the manufacturer). Colour: Black.
8.12	**Light Clean of Glazing**	Allow for carefully cleaning glazing. The intention is only for the lightest of cleaning, to clean loose and easily removed surface dirt deposits from the inside. All cleaning is to be carried out with the leaded light glazing in-situ. The window glazing is to be cleaned using soft cloths or brushes with sprayed water only. No chemicals cleaning agents, soaps, or abrasives, etc. are to be employed. Water should be distilled or de-ionized water.

8.13 RAINWATER GOODS (NAVE SOUTH CLERESTORY, EAST END)

8.14 **Rainwater Goods (Nave South Clerestory, East End)**

8.15 **Allow for inspection, repairs, and redecoration of the rainwater goods system.**

8.16 Work to include:

- RWP09 (Nave South Elevation, east end)
- the section of eaves gutter serving the Nave Roof (South Slope) at the east end (above the South Aisle Roof).

8.17	**Checking Over and Reporting**	Allow for taking down and checking over the condition of the existing rainwater system (including downpipes, fixings, etc) and reporting to the Architect.
8.18	**Repairs, Re-fitting, etc.**	Where sound, allow for retaining and reusing the existing components (with spacers). Allow for adjusting the height of the rainwater shoes to suit the new roof deck.
8.19		Provisionally allow for replacing 1no. section of downpipe, and 1no. section of eaves gutter. Replacement components are to be replaced in traditional cast iron system to match the existing complete with accessories required. Products to be obtained from J. W. Longbottom, Holmfirth, Yorkshire. Telephone (01484) 682141 for the nearest stockiest/supplier.
8.20	**Decorations/Re-decorations**	Allow for re-decorating rainwater goods in Dulux Metalshield system. Allow for all preparation work, primer and number of coats recommended by the manufacturer). Colour: Black.

8.21	DECORATIONS (NAVE SOUTH CLERESTORY)	
8.22	**Window Opening Vents (Nave South Clerestory, East End Only)**	
8.23	See under "WINDOWS".	
8.24	**Rainwater Goods (Nave South Clerestory, East End Only)**	
8.25	See under "RAINWATER GOODS".	
8.26	**Eaves Fascia - Nave Roof (South Slope, East End) Eaves Fascia**	
8.27	Allow for redecorating timberwork in breathable paint system (and colour) to match the existing (only where accessible from the South Aisle Roof).	

9.0 SOUTH AISLE

Contents:

9.0	**<u>SOUTH AISLE</u>**			
9.1	MASONRY REPAIRS (SOUTH AISLE)			
9.2	**<u>Parapet Walls (South Aisle)</u>**			
9.3	**All for masonry repairs to the south, east and west parapet walls.**			
9.4	**Remove failing coating** (to top/rear of parapet copings)	Allow for removal of failing paints and coatings to the top/rear of the south, east and west parapet walls. **Works are to be undertaken by the Specialist Conservator (see under "<u>GENERAL ITEMS</u>").**		
9.5		**Cleaning Trials**	Cleaning trials will be needed to confirm the precise nature of the range of cleaning methods to be used (such as poultices, etc). Cleaning trials should be undertaken as soon as access is available.	
9.6		**Final Removal of paints and coatings**	For pricing purposes, allow a provisional sum of £2,000 (to be confirmed once the cleaning trials have been completed).	Prov. Sum £2,000
9.7	**Masonry Repairs #1** (to Stone Copings)	**Allow for undertaking a minor masonry repairs to the copings.** Due to the presence of extensive paints and coatings, the full scope of repairs needed is not yet known and will need to be discussed and agreed with the Architect on-site. However, for pricing purposes, the Contractor should allow for the following:		
9.8		**Pointing Repairs #1** (Stone Copings to South Parapet Wall)	**Allow for pointing repairs to stone coping.** For pricing purposes, assume that 50% of the joints between coping stones require re-pointing. <u>Lime Mortar</u>: Allow for lime mortar. Where the joints are narrow, lime mortar to be a 1 : 3 mix (mature lime putty : stone dust, where the stone dust is made from crushed stone with lots of fines). Colour of mortar to match the existing.	
9.9		-	-	

9.10	**Pointing Repairs** (to Stone Ashlar of Parapet Walls)	**Allow for minor pointing repairs to ashlar stonework of parapet walls. For pricing purposes, allow for 2 linear metres of repointing.** Lime Mortar: Allow for lime mortar. **Pointing mortar** to be a 1 : 3 mix (mature lime putty : stone dust, where the stone dust is made from crushed stone with lots of fines). Colour of mortar to match the existing.	
9.11	**Masonry Repairs #2** (to Concrete Copings)	**Allow for undertaking minor of masonry repairs to the concrete copings.**	
9.12	**Pointing Repairs** (Concrete Copings to East and West Parapet Walls)	**Allow for pointing repairs to concrete copings.** All for replacing the existing failing/failed pointing. For pricing purposes, assume that all of the joints between coping stones require re-pointing. Modified Lime Mortar: Allow for a modified lime mortar. **Design of the lime mortar and the works are to be undertaken by the Specialist Conservator (see under "GENERAL ITEMS").**	
9.13	**Unforeseen Repairs**	Allow a provisional sum of £250 for unforeseen masonry repairs.	Prov. Sum £250

9.14	**<u>Parapet Stringcourse (South Aisle)</u>**		
9.15	**Allow for masonry repairs to the parapet stringcourse to South Aisle (South Elevation).**		
9.16	**Stone Piece Repair** (to Lower Moulding of Parapet Stringcourse)	**Allow for replacing 1no. 600mm long damaged section of stringcourse (lower moulding).** Allow for replacing in limestone in profile and stone-type to match the existing. However, for pricing purposes, assume limestone to be Cream Clipsham, finished with a hand drag to remove any saw marks. Allow for stone dowels or stainless steel pins to locate stone onto existing masonry. Perpend joints to be tight together. <u>Lime Mortar</u>: Allow for lime mortar. **Mortar** to be a 1 : 3 mix (mature lime putty : stone dust, where the stone dust is made from crushed stone with lots of fines). Colour of mortar to match the existing.	
9.17	**Pointing Repairs**	**For pricing purposes, assume that all joints require re-pointing.** <u>Lime Mortar</u>: Allow for lime mortar. Where the joints are narrow, lime mortar to be a 1 : 3 mix (mature lime putty : stone dust, where the stone dust is made from crushed stone with lots of fines). Colour of mortar to match the existing.	
9.18	**<u>Pebbledash Render (South Aisle East and West Elevations)</u>**		
9.19	**Allow for minor render repairs to the pebbledash render.**		
9.20	**Inspection and Reporting**	Allow for inspection and reporting on the pebbledash render at high level (to the full width of both east and west elevations), from the line of the rainwater hopper to the underside of the concrete coping).	
9.21	**Render Repair** (to the South Aisle East Elevation)	Allow for removal of approx. 150x150mm area of damaged pebbledash render (located above the rainwater outlet to the parapet gutter). Render and aggregate is to match the existing.	
9.22	**Patination Work**	Provisionally allow and extra/over price for patination of the new render to match the existing render. For pricing purposes, allow a provisional sum of £200. **Work to be undertaken by the Specialist Conservator (see under "<u>GENERAL ITEMS</u>").**	Prov. Sum £250
9.23	**Unforeseen Repairs**	Allow a provisional sum of £250 for unforeseen repairs	Prov. Sum £250

9.24 WINDOWS (SOUTH AISLE)

9.25 **Windows (South Aisle)**

9.26 **Allow for minor works to selected windows.**

9.27	**Overhaul Opening Lights** (Windows WS1-2)	Allow for easing and overhauling the window ventilators, including operating cord(s).
9.28	**Redecorations**	Allow for re-decorating opening ventilators in Dulux Metalshield system. Allow for all preparation work, primer and number of coats recommended by the manufacturer). Colour: Black.
9.29	**Light Clean to Glazing**	Allow for carefully cleaning glazing. The intention is only for the lightest of cleaning, to clean loose and easily removed surface dirt deposits from the inside. All cleaning is to be carried out with the leaded light glazing in-situ. The window glazing is to be cleaned using soft cloths or brushes with sprayed water only. No chemicals cleaning agents, soaps, or abrasives, etc. are to be employed. Water should be distilled or de-ionized water.

9.30 RAINWATER GOODS (SOUTH AISLE)

9.31 **Rainwater Goods (South Aisle)**

9.32 **Allow for inspection, repairs, and redecoration of the rainwater goods system.**

9.33 Work to include rainwater downpipe:

- RWP10 (South Aisle East Elevation)

9.34	**Checking Over and Reporting**	Allow for taking down and checking over the condition of the existing rainwater system (including hopper, downpipe, fixings, etc) and reporting to the Architect.
9.35	**Repairs, Re-fitting, etc.**	Where sound, allow for retaining and reusing the existing components (with spacers). Provisionally allow for replacing 1no. sections of downpipe. Replacement components are to be replaced in a traditional cast iron system to match the existing complete with accessories required. Products to be obtained from J. W. Longbottom, Holmfirth, Yorkshire. Telephone (01484) 682141 for the nearest stockiest/supplier.
9.36	**Decorations/Re-decorations**	Allow for re-decorating rainwater goods in Dulux Metalshield system. Allow for all preparation work, primer and number of coats recommended by the manufacturer). Colour: Black.

9.37 MISCELLANEOUS (SOUTH AISLE)

9.38 **Roof Alarm Wiring (South Aisle)**

9.39 **Allow for re-fixing existing (unattached) wiring.**

9.40 To the existing wiring to the roof alarm, allow for refixing in position. For decorations, see under "**DECORATIONS**", "Roof Alarm Wiring (South Aisle)".

9.41 **Decorations (South Aisle)**

9.42 **Allow for minor decorations.**

9.43 **Window Opening Vents** See under "WINDOWS".

9.44 **Rainwater Goods** See under "RAINWATER GOODS".

9.45 **Roof Alarm Wiring (South Aisle)** **Allow for the existing painting-in white-coloured wiring to match the surfaces crossed.**

9.46 Where the existing white-coloured wiring for the roof alarm system crosses the coping stones, and across the stone or rendered face of the external walls, allow for painting-in in colour to match the surface it is crossing. System to be an appropriate external paint.

9.47 **Lightning Protection System (South Aisle)**

9.48 See under "**GENERAL ITEMS**", "Lightning Protection System".

INTERIOR ACCOMMODATION

Contents:

10.0 NORTH AISLE (INTERIOR)

Section Contents:

10.0 NORTH AISLE (INTERIOR)

10.1 MISCELLANEOUS (NORTH AISLE INTERIOR)

10.2 Minor Making Good of Stonework and Damaged Decorations (North Aisle Interior)

10.3 Allow for minor making good of decorations damaged by previous rainwater ingress.

10.4 Work to include localised remedial work to ceiling plasterwork and decorations, and dressed stone, tracery, etc, to window WN3.

10.5 All works are to be undertaken by the Specialist Conservator (see under "GENERAL ITEMS").

10.6 Stonework (Window WN3)

Cleaning: Allow for conservation cleaning of the water marks on the stone to the whole of window WN3 (sill, jambs, head, mullions, tracery, etc).

10.7

Patination: Provisionally allow for patination of stonework, to address any variations in colour arising from the conservation cleaning.

10.8 Plaster Ceiling (North Aisle West End)

Inspection: Provisionally allow for inspection of areas of ceiling shown on the drawings (and areas immediately surrounding, to assess condition of plasterwork and decorations.

Patination: Provisionally allow for patination of ceiling plasterwork, to address any variations in colour arising from previous water ingress. For pricing purposes, assume an area of 1m2 (split between 3no. areas as shown on the drawings) requires patination to match the surrounding surfaces. Allow for cleaning and stabilising the existing surface, then redecorating in system (and colour) to match the existing.

10.9 Pole Hook (North Aisle Interior)

10.10 Allow for providing 1no. traditional pole hook to operate window opening vents (to help the PCC manage internal air humidity/moisture levels). Hooks to be traditional brass fittings. Pole to be traditional timber poles of sufficient length to operate opening vents. Poles to be painted with a clear OSMO Polyx Oil wax finish.

COLLECTIONS PAGE

GENERAL

1.0 GENERAL ITEMS

2.0 SCAFFOLDING

ROOFS

3.0 NORTH AISLE ROOF

4.0 NAVE ROOF (NORTH SLOPE)

5.0 SOUTH AISLE ROOF

EXTERNAL WALLS

6.0 NORTH AISLE

7.0 NAVE (NORTH CLERESTORY)

8.0 NAVE (SOUTH CLERESTORY, EAST END ONLY)

9.0 SOUTH AISLE

INTERIOR ACCOMMODATION

10.0 NORTH AISLE (INTERIOR)

SUB-TOTAL	_____
VAT	_____
TOTAL (INCLUDING VAT)	_____