

builder's work schedule.

St Aldhelm's RC Church – New Parish Hall, Cross
Hayes Lane, Malmesbury, Wiltshire SN16 9BG.



description.

The Principal Contractor shall provide the following Builder's Work within the Contract relating to the proposed Mechanical and Electrical Services and shall employ the services of a registered Building Contractor to carry out these works within the Contract.

The Schedule is produced to assist the Builder in understanding the primary Builder's Work in connection with the services and enabling firm costs for Tender.

building.

The Contractor shall provide all elements listed in the Schedule below relating to the new St Aldhelm's Parish Hall which shall replace the existing facility to be demolished and be provided within the same location but on a slightly larger footprint.

The new building shall contain an Entrance Foyer, Kitchen, Toilets and Parish Hall on Ground Floor with stairs leading to a First Floor Meeting Room, Office and Stores.

There shall also be access to the upper gallery of the existing Parish Church from the New Entrance Foyer.

The new building shall be supported by a steel frame with concrete pads and suspended RC floor slab with A252 mesh layer top and bottom. The outer walls to all elevations shall be constructed from squared rubble stone with quoins to external corners and openings to match the Church. The roof shall be of natural slate with lead ridge and hips, and openings shall have timber framed windows and glazed doors enhanced by external timber louvres and lintels.

The existing Church and Presbytery shall continue to be used therefore access shall need to be maintain during the construction period.

These shall also be read in conjunction with the Mechanical and Electrical Services Drawings and Specifications.

Refer to the designed Mechanical and Electrical Services Drawings for general arrangements and proposed positions of plant and equipment.

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electrical works.

- 1.01 Remove all redundant containment, cabling, switchgear and materials from the existing facility to be demolished. This shall include correct disposal of equipment removed.
- 1.02 Include for access plant to permit high level works throughout all room areas and externally including for lightning protection access.
- 1.03 Provide smoke/fire seals (**1 hour rated**) and acoustic seals to all service holes through floors, walls and ceilings of the new building structure for cable and electrical containment routes. The fire seals shall be Rockwool FirePro Intumescent Sealant to provide an airtight seal.
- 1.04 Apply rust inhibitor to all galvanised conduit trunking/tray, Unistrut and fixing joints and threaded rod.
- 1.05 Form holes through plaster/timber ceilings for recessed circular downlight luminaires approximately 38No. x 125mm diameter.
- 1.06 Form holes through plaster/timber ceilings for recessed circular downlight luminaires approximately 3No. x 70mm diameter.
- 1.07 Form holes through plaster/timber ceilings for recessed circular emergency lighting approximately 10No. x 100mm diameter.
- 1.08 Form holes through internal stone works and block work for routing of cables.
- 1.09 Form holes through external walls for wall mounted external luminaires/controls and power supplies for sockets, external condensers for the mini VRF system and EV charging point approximately 6No. x 25mm diameter.
- 1.10 Form service route chases in walls for all flush conduits to Exit lights, wall lights, light switches, power, data, alarms and AV outlets.
- 1.11 Form holes in walls for all flush mounted steel back boxes for flush mounted wiring accessories and equipment.

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- 1.12 Form service routes in ceiling voids for cables to the lighting, power, data, audio visual equipment and alarms installations.
- 1.13 Form holes in walls for wall mounted audio speakers x 4No.
- 1.14 Supplementary supports, fixings and pattresses for the AV Equipment, Screens, Wall Mounted Speakers and suspended lighting system.
- 1.15 Make good holes and final decorations following the installation of the Electrical Services throughout all areas.
- 1.16 Include for safe systems of work and access plant to permit high level works for the installation of the electrical services and supplies and the removal of the existing including externals.
- 1.17 Provide holes for the lightning protection earth rods and test/earth electrode access chambers, approved backfill and make good ground surfaces to suit on completion.
- 1.18 Provide penetrations through the natural slate roof tiles and approved watertight seals for the lightning protection flat strike plates.
- 1.19 Provide 16m service trench for the new low voltage three phase electrical supply and service connection within 100mm diameter black pipe duct with 6mm draw cord to be provided by Scottish & Southern Electricity Networks from their existing below ground LV network located in Cross Hayes Lane.
- 1.20 SSEN approved backfill with SSEN branded detectable marker ID tape in service trench, reinstate and make good ground surfaces to suit on completion of the installation for the new electrical supply and service connection.
- 1.21 Provide 16m 1No. 110mm diameter below ground flexible black pipe duct complete with 6mm draw cord for the new incoming telecommunications fibre optic service connection (FTTC). Provide service trench, approved backfill with ID tapes, and make good ground surfaces to suit on completion.

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- 1.22 Provide 16m 1No. 50mm diameter below ground flexible black pipe duct complete with 6mm draw cord for the low voltage electrical supply to the proposed external lights to be provided recessed within the low-level wall in the courtyard. Provide service trench, approved backfill with ID tapes, and make good ground surfaces to suit on completion.
- 1.23 Provide 10m 1No. 110mm diameter below ground flexible black pipe duct complete with 6mm draw cord from the distribution board in the New Entrance Foyer to the proposed location of the EV single charging point. Provide service trench, approved backfill with ID tapes, reinstate, and make good ground surfaces to suit on completion.
- 1.24 Make good and sealing of all holes after installation to prevent the ingress of weather and vermin including the provision of acoustic seals and fire stopping as required.
- 1.25 The primary routing of all electrical services shall generally follow the mechanical services pipework runs and supply and return air duct runs to minimising disruption to new building structure and fabric.

mechanical works.

- 2.01 Remove all redundant pipework, radiators, fans, water heaters and materials from the existing facility to be demolished. This shall include correct disposal of equipment removed.
- 2.02 Include for access and installation of plant to permit high level works throughout all room areas and externally.
- 2.03 Provide smoke/fire seals (**1 hour rated**) to all service holes through fire compartment floors, walls and ceilings of the new building structure for pipework and ductwork routes. Provide acoustic seals to all penetrations of services through any floor, wall or ceiling.
- 2.04 Provide 50mm diameter sleeved connection from the Church into the new building for new mains cold water service pipe.

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- 2.05 Provide base and mounting arrangements for HRU unit serving the Hall including load spreading as necessary.
- 2.06 Provide 3No. 450 mm diameter hole through wall for ducts and fire damper and make good including fire sealing etc (2No. through a fire compartment).
- 2.07 Provide 1No. 650 x 400 mm hole through wall for ducts and fire damper and make good including fire sealing etc
- 2.08 Provide 2No. 270 x 140 mm holes and 1No. 200 mm diameter hole through wall for ducts and fire sleeves and make good including fire sealing etc.
- 2.09 Provide 2No. 1,000 x 125 mm holes through wall for grilles and make good including fire sealing etc (1No. through a fire compartment).
- 2.10 Provide 1No. 110 mm diameter hole through kitchen ceiling slab and through roof for SVP termination and make good including roof terminal, weather flashing etc. (Check structural stability and proposed locations prior to the commencement of the Works).
- 2.11 Provide 1No. 1,000 x 600 mm, 1No. 750 x 750 mm, 1No. 200 x 600 mm, 1No. 350 x 350 mm, 1No. 300 x 300 mm and 1No. 150 x 150 mm holes for intake and exhaust louvres and make good including weather flashing etc.
- 2.12 Provide 2No. holes in ceiling for extract air valves and make good.
- 2.13 Provide 1No. 500 x 500 mm hole in ceiling for access hatch to toilet extract fan.
- 2.14 Provide 1No. 300 x 300 mm hole in kitchen door and fire seal, and 2No. 125 x 125 mm holes in WC doors and seal.
- 2.15 Provide 10No. 50 mm diameter holes in walls for hot and cold-water services and seal.
- 2.16 Provide 10No. 50 mm diameter holes in walls and floor for refrigerant pipework and seal.

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- 2.17 Provide 2No. 150 mm diameter hole in wall for WC drainage, 3No. 50 mm diameter holes for WHB drainage and 1No. 60 mm diameter hole for sink drainage and seal.
- 2.18 Provide support for all ductwork and pipework.
- 2.19 Provide mounting arrangement for FCUs and FCU condensate pumps to wall.
- 2.20 Provide for pipework expansion and contraction through penetrations
- 2.21 Ensure all made holes are pinned and sleeved to protect plaster.
- 2.22 Provide support for toilet extract fan.
- 2.23 Provide anti-vibration mounts for all mechanical plant.