

Winfrith COB - Maritime & Coastguard Agency - Schedule of Work

08 Feb 2018

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0 DEMOLITION AND ALTERATIONS

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0.1 Demolition

0.2 Alterations

10 Remove And Refix Internal Door & Frame

Location: *Ground floor WC*

- **Removing Internal Door Frame (L20)**

Extent: *Door & frame.*

Disposal : *Set aside for reuse.*

20 Demolish Existing Internal WC Facility

Location : *Ground Floor*

- **Demolition Of Structures (C20)**

General Extent Of Demolition : *Internal structure forming existing WC*

Items To Be Retained And Protected : *Existing WC, Basin & Grab Rails, Door, Door Lining & Architrave, hand drier - set aside for re-use.*

- **Making Good**

Extent: *Make good all surfaces disturbed in readiness for new finishes*

0.2.1 Sanitary Appliances, Internal Drainage and Water Installations

30 Alter & Extend Waste Pipework To Serve New Layout

Location: *Ground Floor*

- **Removing Internal Waste Pipework**

Type : *Plastics waste pipes.*

Extent : *Serving existing WC Facility.*

Disposal: *Remove from site.*

- **Contractor Designed Above Ground Foul Drainage System (R11)**

Completion Of Design By Contractor : *Contractor design to above ground drainage and sanitary installation as specified.*

Design : *Complete the design of the above ground foul drainage system to serve the new WC location (ground Floor) and Tea Point (first floor) including selection of appropriate preformed joints, junctions, fittings and fixings throughout.*

Proposals : *Submit drawings, technical information, calculations and manufacturers' literature.*

- **MUPVC Or PVCC Waste Pipework (R11)**

Manufacturer: *Contractor's choice.*

Product Reference: *Contractor's choice.*

Nominal Sizes : *Contractor's choice.*

Colour : *White where exposed to view.*

Brackets : *Plastics pipe clips, colour to match pipes.*

Fasteners: *As manufacturer's recommendations.*

Accessories: *Access fittings.*

Testing : *Test on completion.*

- **Masking Plates (R11)**

Manufacturer: *Contractor's choice.*

Product Reference: *Contractor's choice.*

Type: *Plastics, self coloured for site decoration.*

Size: *Contractors choice.*

0.2.2 Internal & External Drainage

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To be carried forward to Section 0 collection (page 7)

0.2.2.1 Extend underground foul drainage to serve new WC location - Internally & Externally

40 Plastics Pipe Domestic Foul Drainage System

Drawing Reference : Q5161 702

Location : *Rear of building serving WC*

General Bedding Class To Plastics Pipework: *Class T - full depth granular support to 100 mm above pipe crown, single size or graded material.*

General Bedding Class Below Buildings: *Minimum 100 mm granular surround. Where crown of pipe is within 300 mm of underside of floor slab provide special protection, as drawing ???.*

Granular Material: *To BS EN 12620 and in accordance with PD 6682-1.*

Drainage Invert Levels: *As drawing*

Access Chamber Cover Levels: *To match adjacent ground level*

- **Excavation - including carefully cutting through ground floor slab and reinstatement of same including DPM. (D20)**
Extent : *As drawing.*
- **Design Of Below Ground Drainage Systems (R12)**
Design : *Complete the design and selection of junctions, bends and fittings to the below ground drainage system.*
General Arrangement: *As drawing.*
Proposals: *Submit drawings, technical information, calculations and manufacturers' literature relating to any design work carried out.*
- **Solid Wall PVCU Pipework For Below Ground Drainage Systems (R12)**
Manufacturer: *Contractor's choice.*
Product Reference : *Kitemark certified.*
Size: *DN 110.*
Jointing : *Polypropylene sleeve.*
- **Adaptors To Plastics Below Ground Drainage Systems (R12)**
Manufacturer: *As drainage pipework.*
Product Reference: *Contractor's choice.*
Type: *As drainage manufacturer's recommendations.*
- **Bends At Base Of Soil Stacks For Below Ground Drainage Systems (R12)**
Manufacturer: *As drainage pipework.*
Product Reference : *Contractor's choice.*
Nominal Diameter: *As connected below ground drainage pipework.*
Type: *As drawing ???.*
Minimum Height Of Invert Of Horizontal Drain: *750 mm at base of stack below centreline of lowest branch pipe.*
- **Rodding Points For Below Ground Drainage Systems (R12)**
Manufacturer: *As drainage pipework.*
Product Reference: *Contractor's choice.*
Type: *Manufacturer's standard.*
Size: *As drainage pipework.*
Bedding And Surround: *Concrete (general), thickness 100 mm (minimum).*
- **One Piece Access Gullies And Covers For Below Ground Drainage Systems (R12)**
Manufacturer: *As drainage pipework.*
Product Reference: *Contractor's choice.*
Type: *Vertical back inlet access gully.*
Material: *Manufacturer's standard.*
Size: *Manufacturer's standard.*
Outlet: *DN 100.*
Cover: *Manufacturer's standard.*
Bedding: *Concrete (general), thickness 100 mm (minimum).*
Surround: *Granular, size 4/10, minimum thickness 150 mm (minimum).*
- **Plastic Access Points For Below Ground Drainage Systems (R12)**
Manufacturer: *Contractor's choice.*
Size: *225 mm diameter.*
Base: *Manufacturer's standard.*
Raising Pieces: *Contractor's choice.*
Raising Piece Height: *Selected/ cut to suit invert/ cover levels.*
Access Covers And Frames : *Manufacturer's standard.*
Cover Loading Grade: *Manufacturer's standard.*
Bedding: *Granular, size 4/10, minimum thickness 100 mm (minimum).*
Surround: *Granular, size 4/10, minimum thickness 100 mm (minimum).*

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- **Plastics Inspection Chambers For Below Ground Drainage Systems (R12)**

Manufacturer: *As drainage pipework.*
 Diameter: *Manufacturer's standard.*
 Base: *Manufacturer's standard.*
 Shaft Units: *Manufacturer's standard.*
 Access Covers And Frames: *Manufacturer's standard.*
 Cover Loading Grade : *Manufacturer's standard.*
 Concrete Collar : *Concrete (general), 200 x 200 mm (minimum).*
 Seating: *Not required.*
 Bedding : *As pipe trench.*
 Surround: *Granular, size 4/10, thickness 100 mm (minimum).*

- **Access Covers And Frames For Below Ground Drainage Systems (R12)**

Manufacturer: *Contractor's choice.*
 Product Reference: *Contractor's choice.*
 Material: *Ductile cast iron.*
 Type: *Single seal.*
 Finish: *Hot-dip galvanized.*
 Size: *600 x 450 mm.*
 Loading Grade : *B125.*
 Edging Trims : *Not required.*
 Precast Concrete Seating: *Not required.*

- **Warning Marker Tapes For Below Ground Drainage Systems (R12)**

Manufacturer: *Contractor's choice.*
 Product Reference: *Contractor's choice.*
 Type : *Heavy gauge polyethylene.*
 Location: *To all new below ground drainage pipelines.*
 Colour: *Manufacturer's standard.*
 Width: *Manufacturer's standard.*
 Text: *Manufacturer's standard wording for each drain type.*
 Wire Detection Aid: *Not required.*

- **Completion Of Backfilling To Trenches And Excavations To Below Ground Drainage Systems (R12)**

Backfill For Excavations In Paved Areas : *Selected fill compacted in layers to 200 mm (maximum) from finished ground surface.*
 Backfill For Excavations In Planting Areas : *Selected fill compacted in layers to 300 mm (maximum) from finished ground surface.*
 Backfill For Excavations In Building: *Well compacted clean hard core to underside of slab construction, DPM, Insulation and Concrete with doweled connection to existing slab and finished to match.*

50 Add Plastics Inspection Chamber To Existing Drain Run

Drawing Reference : *Q5161 702*
 Location : *Rear of building serving WC*
 Invert Level: *As drawing.*
 Cover Level : *As drawing.*

- **Excavation (D20)**

Extent: *As drawing - extension to existing foul drain.*

- **Plastics Inspection Chambers For Below Ground Drainage Systems (R12)**

Manufacturer: *As drainage pipework.*
 Diameter : *Manufacturer's standard.*
 Base : *Manufacturer's standard.*
 Shaft Units: *Manufacturer's standard.*
 Access Covers And Frames: *Manufacturer's standard.*
 Cover Loading Grade: *Manufacturer's standard.*
 Concrete Collar : *Concrete (general), 200 x 200 mm (minimum).*
 Seating: *Not required.*
 Bedding: *As pipe trench.*
 Surround: *Granular, size 4/10, thickness 100 mm (minimum).*

- **Solid Wall PVCU Pipework For Below Ground Drainage Systems (R12)**

Manufacturer : *Contractor's choice.*
 Product Reference : *Kitemark certified.*
 Size: *DN 110.*
 Jointing: *Polypropylene sleeve.*

- **Slip Couplings For Below Ground Drainage Systems (R12)**

Manufacturer: *As drainage pipework.*
 Product Reference: *Contractor's choice.*

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- **Completion Of Backfilling To Trenches And Excavations To Below Ground Drainage Systems (R12)**
 Backfill For Excavations In Paved Areas: *Selected fill compacted in layers to 200 mm (maximum) from finished ground surface.*
 Backfill For Excavations In Planting Areas : *Selected fill compacted in layers to 300 mm (maximum) from finished ground surface.*
- **Access Covers And Frames For Below Ground Drainage Systems (R12)**
 Manufacturer: *Contractor's choice.*
 Product Reference: *Contractor's choice.*
 Material: *Ductile cast iron.*
 Type: *Single seal.*
 Finish: *Hot-dip galvanized.*
 Size: *600 x 450 mm.*
 Loading Grade: *B125.*
 Edging Trims: *Not required.*
 Accessories: *Not required.*
 Precast Concrete Seating : *Not required.*

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0.3 Seal Existing Drain

60 Removal of Existing Drainage Serving WC

Extent : *Seal off existing drain serving WC both within building and in inspection chamber*
 Location : *Existing WC & Rear of building*
 Making good: *Make good slab within building to accept epoxy floor paint*

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1 SUPERSTRUCTURE

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1.1 Lightweight Mezzanine Floor

70 Lightweight Mezzanine - Contractor Designed

Drawing Reference : Q5161 101

Location: *First Floor*

Manufacturer : *Hi Level Mezzanines Ltd*

Live load : *2.5kN/m2 +1.0kN/m2 for partitions & suspended ceilings*

Deflection : *All steel members to be designed to a maximum deflection of L/360 in accordance with the requirements of BS 5950 Part 1:2000*

Decking material : *38mm P6 particle board*

Main Steel - surface finish : *1 coat quick drying full gloss paint - minimum thickness 50microns*

Deck beam finish : *Galvanised*

:

1.2 Stairs

1.2.1 Stair Structure - Contractor Designed

80 Proprietary Metal Staircase

Drawing Reference: Q5161 101

Location : *Serving first floor*

- **Proprietary Metal Stair Flight Including Mid Landing (L30)**

Manufacturer : *Hi Level Mezzanines Ltd*

Product Reference : *Bespoke product*

Stair Type: *Dogleg.*

Dimensions : *As drawing*

Components : *Manufacturer's standard.*

Finish As Delivered : *Powder coated; colour: RAL 7024*

- **Proprietary Metal Balustrade (L30)**

Manufacturer : *Hi Level Mezzanines Ltd*

Product Reference : *Bespoke product*

Posts: *Manufacturer's standard.*

Guarding : *Manufacturer's standard.*

Handrail : *Manufacturer's standard.*

Finish As Delivered: *Powder coated; colour: RAL 7024*

1.3 Internal Walls and Partitions - New partitions to create new layout

90 Metal Stud Partition With Plasterboard Dry Lining

Drawing Reference: Q5161 703

Location: *Ground & First Floor*

- **Metal Stud Framing For Dry Lined Partitions And Wall Linings (K10)**

Manufacturer: *As plasterboard manufacturer.*

Product Reference: *Contractor's choice.*

Type: *As drawing Q5161 101 rev2 .*

Stud Centres : *600 mm.*

Sole Plate : *Manufacturer's standard.*

Framing Height : *As drawings - varies.*

Head Condition: *Manufacturer's standard.*

- **Plasterboard Wall Dry Lining Screwed To To Framing - Wall Type A (K10)**

Manufacturer : *Contractor's choice.*

Product Reference : *Contractor's choice.*

Type: *Standard plasterboard.*

Recycled Content : *Contractor's choice.*

Layers : *Two, joints staggered.*

Thickness : *15 mm.*

Edge Profile : *Tapered.*

Fixing: *As manufacturer's recommendations for specified board/ substrate.*

Joints: *Taped and filled.*

Finish: *Surface sealant.*

Total for page £

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- **Plasterboard Wall Dry Lining Screwed To Framing - Wall Types B & C (K10)**

Manufacturer : *Contractor's choice.*
 Product Reference : *Contractor's choice.*
 Type : *Standard plasterboard.*
 Recycled Content : *Submit proposals.*
 Layers: *One.*
 Thickness : *12.5 mm.*
 Edge Profile: *Tapered.*
 Fixing : *As manufacturer's recommendations for specified board/ substrate.*
 Joints: *Taped and filled.*
 Finish: *Surface sealant.*

- **Insulation Between Studs For Dry Lined Partitions And Wall Linings (K10)**

Manufacturer: *Isover.*
 Product Reference : *APR 1200.*
 Type: *Unfaced mineral wool roll.*
 Recycled Content: *Submit proposals.*
 Thickness: *100 mm.*
 Width: *As stud centres.*
 Fixing: *Friction fitted.*

- **Acoustic Sealant For Plasterboard Dry Lining (K10)**

Manufacturer: *As plasterboard manufacturer.*
 Product Reference: *Contractor's choice.*
 Type : *As board manufacturer's recommendations.*
 Action: *Apply sealant to fill all gaps around edges of dry lining before application of skirtings, tiling, trim etc.*

- **Beads And Stops For Plasterboard Dry Lining (K10)**

Manufacturer: *As plasterboard manufacturer.*
 Product Reference: *Contractor's choice.*
 Material: *Galvanized steel.*

100 MDF Skirtings

Location: *To all new partitions & wall linings except in Drying Room & WC*

- **Medium Density Fibre Board Skirtings (P20)**

Manufacturer : *Contractor's choice.*
 Type: *Chamfered and rounded.*
 Size: *18 x 94 mm.*
 Material: *MDF to BS EN 622-5.*
 Finish As Delivered : *Factory applied priming coat.*
 Fixing : *Contractor's choice.*

110 Gloss Paint To New Wood Fittings And Trims

Location : *Skirtings, door linings, architraves, window boards.*

- **Satin Paint**

Manufacturer: *Dulux Trade, brand of AkzoNobel*
 Product reference: *Quick Dry Satinwood*
 System code : *D1334S – Internal MDF/ Internal non resinous softwood/ Hardwood*
 Colour : *TBA*

- **Preparation For Painting New Wood (M60)**

Method: *Fill all surface defects and abrade to a smooth even surface. Apply two coats of knotting to exposed resinous areas and knots.*

- **Wood Primer (M60)**

Manufacturer: *As overpainting system manufacturer.*
 Product Reference: *Contractor's choice.*
 Type: *Water based primer.*
 Application: *As manufacturer's recommendations.*
 Number Of Coats: *As manufacturer's recommendations.*

- **Interior Undercoat (M60)**

Manufacturer: *Dulux Trade, brand of AkzoNobel*
 Product Reference: *Contractor's choice.*
 Type: *Water based.*
 Application: *As manufacturer's recommendations.*
 Number Of Coats: *Contractor's choice.*
 Colour: *As manufacturer's recommendations for finish coat colour.*

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1.4 Internal Doors

120 Internal Wood Flush Doors And Frames

Drawings Reference : Q5161 703 & 101
Location : *Ground Floor - Drying Room & First Floor - stair lobby*

- **Refixing Internal Door Frame (L20)**

Type : *WC Door & Frame set aside for reuse.*
Fixing: *As existing. New fixings to match existing.*

- **Internal Wood Flush Door Sets (L20)**

Manufacturer : *SIG.*
Type : *Single flush door leaf.*
Size: *838 x 1981 mm.*
Facings : *Hardwood veneer, White Oak crown cut.*
Thickness : *To suit fire rating requirement*
Fire rating: *As noted on drawing*
Glazing: *Where relevant to be installed to match fire rating of door.*
Finish As Delivered : *Factory finished stain system.*
Vision Panels : *Where required to be 1524mm x 152mm*
Frame & Architrave : *SIG - Tenon/Sound System 102 Door Frame Kit - Ref M58.83. or similar ensuring fire rating is achieved.*

- **Single Axis Door Hinges (P21)**

Manufacturer : *DAI.*
Product Reference: *Z001*
Type : *Concealed bearing hinge.*
Material And Finish: *Stainless steel.*
Size : *Contractor's choice.*
Hinge Grade : *14.*
Number Per Leaf: *Three.*
Position: *Contractor's choice.*

- **Door Latch (P21)**

Manufacturer: *DAI.*
Product Reference: *LKEM E3S.*
Type: *Heavy Duty Vertical Euro Mortice case mortice latch.*
Latch Bolt Type: *Brass, two way action for light knobs or sprung lever handles.*
Backset: *57 mm.*
Rebate Set: *Contractor's choice.*

- **Lever Handles (P21)**

Manufacturer: *DAI.*
Product Reference: *ZK1113UK.*
Type: *Round pattern with return to door.*
Size: *Manufacturer's standard.*
Mounting : *Manufacturer's standard.*
Material And Finish : *Satin stainless steel, grade 1.4301 (304).*

- **Door Closer**

Manufacturer: *DAI*
Product Reference: *GZTS2000NVBC/*
Type : *Integrated concealed cam action*
Closing Force : *EN1154 variable 2-4*
Colour: *Blue*

- **Kicking Plate**

Product Type: *Solid Colour High Impact Polystyrene Kicking Plate*
Sizes: *760x150mm & 835 x150mm*
Location : *All internal doors - both sides*
Colour : *Blue*
Manufacturer : *DAI*

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2 FINISHES

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2.1 Wall Finishes

130 Gloss Paint To New Wood Fittings And Trims

Location: *All new exposed joinery.*

- **Preparation For Painting New Wood (M60)**

Method: *Fill all surface defects and abrade to a smooth even surface. Apply two coats of knotting to exposed resinous areas and knots.*

- **Wood Primer (M60)**

Manufacturer: *As overpainting system manufacturer.*

Product Reference: *Contractor's choice.*

Type: *Water based primer.*

Application: *As manufacturer's recommendations.*

Number Of Coats: *As manufacturer's recommendations.*

- **Interior Undercoat (M60)**

Manufacturer: *Dulux Trade, brand of AkzoNobel*

Product Reference: *Quick dry undercoat*

Type: *Water based.*

Application: *As manufacturer's recommendations.*

Number Of Coats: *Two.*

Colour: *As manufacturer's recommendations for finish coat colour.*

- **Interior Topcoat (M60)**

Manufacturer: *Dulux Trade, brand of AkzoNobelsert*

Product Reference: *Quick Dry Satinwood*

Type: *Water based acrylic gloss.*

Application: *Contractor's choice.*

Number Of Coats: *One.*

Colour: *TBA.*

140 Emulsion Paint To New Plastered Walls

Location : *Ground & First Floor - New Partitions & dry lining*

- **Preparation For Painting New Plaster (M60)**

Method: *Remove all loose or otherwise defective material including nibs, trowel marks and splashes.*

Finishing : *Fill all surface defects with plaster or other suitable filler and abrade to a smooth surface.*

- **Emulsion Paint**

Manufacturer: *Dulux Trade, brand of AkzoNobel*

Product reference: *Supermatt*

System code: *D643 - New plaster/ plasterboard*

Colour : *TBA*

2.2 Floor Finishes

150 Resin Flooring System On Concrete Base

Drawing Reference: *Q5161 704*

Location : *Ground floor - Vehicle storage & cage areas*

- **Preparation For Resin Flooring (M12)**

Preparation For Resin Flooring: *Prepare base surface as resin flooring manufacturer's recommendations.*

Primer: *As resin flooring manufacturer's recommendations.*

- **Flowfast Quartz**

Manufacturer: *Flowcrete UK Ltd*

Product reference: *Flowfast Quartz*

Primer: *Flowfast Primer*

Resin flooring: -

Nominal thickness: *4 mm*

Colour: *Grey 704*

Surface finish/ treatment: *Flowfast Sealer*

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- **Resin Coated Skirting Or Upstand To Resin Coated Flooring (M12)**
 Preparation: *Prepare base surface for resin flooring as Reference Specification M12.*
 Primer: *As resin flooring manufacturer's recommendations.*
 Skirting Or Upstand: *Render grade resin, 100 mm high.*
 Application: *As manufacturer's recommendations.*
 Colour: *As flooring.*
 Top Edge Treatment: *As drawing ???.*
 Transition With Resin Flooring : *As drawing ???.*

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160 Vinyl Sheet Floor Finish On New Substrate

Drawing Reference : *Q5161 704*
 Location : *Ground Floor - WC & Drying Room*

- **Safety Sheet**

Manufacturer : *Polyflor Ltd*
 Location: *Drying Room & WC (Ground Floor)*
 Product reference : *Polysafe Standard PUR Safety Floor*
 Colour: *4560 - Storm Blue*
 Acoustic underlay : *Not required*
 Existing Substrate : *Prepare as Reference Specification M50 allowing for surface DPM if required.*
 Adhesive: *As manufacturer's recommendations*

- **Coved Skirtings For PVC Flooring (M50)**

Manufacturer : *As safety sheet flooring.*
 Type: *Coved upstand with capping section*
 Size: *100 mm upstand.*
 Colour : *To match flooring.*
 Jointing: *As manufacturer's recommendations.*
 Top Edge Seal : *Matching capping seal.*

170 Carpet Tiles On New Substrate

Location : *Office/Training Room*
 Drawing Reference : *Q5161 704*

- **Loop Pile Carpet Tile**

Manufacturer: *Milliken*
 Product reference : *Light Trails*
 Colour : *Titanium*
 Backing : *Polyurethane cushion backing*
 Fixing : *Low tack adhesive as manufacturer's recommendations*
 Design : *Dusk*

2.3 Ceiling Finishes

2.3.1 Suspended Ceilings

180 Exposed Grid And Mineral Fibre Tile Suspended Ceiling With Contractor Designed Support System

Drawing Reference : *Q5161 704*
 Location : *Ground & First Floor*

- **Contractor Designed Suspended Ceiling System (K40)**

General Design : *Complete the design and detailing of suspension members and supports to suit normal conditions to BS EN 13964 to satisfy loading requirements specified or calculable.*

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• **Exposed Grid Mineral Fibre Ceiling Tile Suspended Ceiling System - Ground Floor (K40)**

Manufacturer : *Knauf AMF Ceilings Ltd, www.knaufamf.co.uk, Tel:+44 (0)191 518 8600*

Product Reference : *Thermatex Fine Stratos Microperforated*

Ceiling Soffit Above FFL: *As drawing.*

Suspension Hanger : *Contractor's choice.*

Fixings : *Contractor's choice.*

Suspension Grid : *24 mm exposed Ventatec grid system.*

Perimeter Trim : *A-RWL - 24 x 24 mm angle.*

Suspension Grid Colour : *White, powder coated.*

Main Runner Centres : *Contractor's choice.*

Cross Tee Centres : *Contractor's choice.*

Mineral Fibre Tile : *Thermatex Fine Stratos Microperforated; 600 x 600 x 15 mm thick, SK24 square edge*

Fixing : *Unclipped.*

Out Of Order Working : *Supply and fix initial tiles for early fixing of ceiling mounted services.*

• **Exposed Grid Mineral Fibre Ceiling Tile Suspended Ceiling System - First Floor (K40)**

Manufacturer : *Knauf AMF Ceilings Ltd, www.knaufamf.co.uk, Tel:+44 (0)191 518 8600*

Product Reference : *Thermatex Fine Stratos Microperforated*

Ceiling Soffit Above FFL: *As drawing Q5161 101.*

Suspension Hanger : *Contractor's choice.*

Fixings : *Contractor's choice.*

Suspension Grid : *24 mm exposed Ventatec grid system.*

Perimeter Trim : *A-RWL - 24 x 24 mm angle.*

Suspension Grid Colour : *White, powder coated.*

Main Runner Centres : *Contractor's choice.*

Cross Tee Centres : *Contractor's choice.*

Mineral Fibre Tile : *Thermatex Fine Stratos Microperforated; 600 x 600 x 15 mm thick, VT24 rebated edge*

Fixing : *Unclipped.*

Out Of Order Working : *Supply and fix initial tiles for early fixing of ceiling mounted services.*

• **Sound Barriers Above Suspended Ceilings -Ground & First Floor (K40)**

Manufacturer : *Mayplas.*

Material: *Black Polythene Enclosed Acoustic Pad 561*

Fixing : *Laid above ceiling tile*

• **Spare Ceiling Infill Units To Be Provided At Practical Completion (K40)**

Type: *One box infill units of each type used for project.*

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3 FITTINGS AND FURNISHINGS

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3.1 Fittings, Fixtures and Furniture

190 Install Kitchen Units & Worktops to Tea Point

Drawing Reference : Q5161 101

Location : First Floor Tea Point

- **Fitted Kitchen Unit Carcasses (N11)**

Manufacturer : *Howdens*

Product Reference : *White base & wall*

Type : *Base & wall units*

Layout : *As drawing.*

Material And Finish : *Manufacturer's standard.*

- **Kitchen Unit Doors And Drawer Fronts (N11)**

Manufacturer : *Howdens*

Product Reference : *Glendevon White Gloss*

Unit : *Base units & wall units.*

Material And Finish : *Manufacturer's standard.*

Door Hinges : *Concealed.*

- **Kitchen Unit Side Panels (N11)**

Manufacturer: *Howdens*

Product Reference : *Glendevon White*

Material And Finish: *Manufacturer's standard.*

- **Kitchen Unit Worktops (N11)**

Manufacturer: *Howdens*

Product Reference : *Blacksmooth 38mm*

Dimension : *3000 x 616 x 38mm*

Material And Finish: *Blacksmooth 38mm .*

Supports: *Manufacturer's standard end panels.*

Supports To Units Above Worktop : *Manufacturer's standard.*

- **Domestic Sinks (N11)**

Manufacturer: *Howdens*

Product Reference: *Submit proposals.*

Type: *Manufacturer's standard.*

Material: *Stainless steel.*

Configuration: *Manufacturer's standard.*

Overall Size: *As drawing.*

Tap Chainstay And Overflow Holes: *Manufacturer's standard.*

Accessories: *Manufacturer's standard.*

- **Domestic Sink Taps (N11)**

Manufacturer : *Howdens*

Product Reference: *TAP 9022*

Type : *Deck mixer tap; Chrome.*

- **Integrated Fridge (N11)**

Manufacturer : *Howdens*

Product Reference: *HJA 6312*

Type: *BU Integrated larder fridge*

Material : *Plastics, colour white.*

- **Domestic Sink Wastes (N11)**

Manufacturer: *Contractor's choice.*

Product Reference: *Contractor's choice.*

Type: *Manufacturer's standard.*

Material: *Manufacturer's standard.*

Size: *To fit sink*

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4 SERVICES

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4.1 Sanitary Appliances

200 Remove And Refix WC

Location : *Existing WC & new location*

- **Removing DOC M WC Pan, Seat & Cistern**

Extent: *Full DOCM pack.*

Disposal : *Set aside for reuse.*

- **Refixing DOC M WC Pan, Seat & Cistern & All Associated Grab Rails (N13)**

Type : *Existing set aside for reuse.*

- **Sealant For Sanitary Appliances (N13)**

Manufacturer: *Contractor's choice.*

Product Reference: *Contractor's choice.*

Type: *Silicone, class F20HM.*

Colour: *White.*

210 Remove And Refix Wash Basin

Location : *Existing WC & new location*

- **Removing Wash Basins**

Extent : *Single wall fixed basin, taps, waste and trap.*

Disposal: *Set aside for reuse.*

- **Refixing Wash Basins (N13)**

Type : *Wall fixed basin, set aside for reuse.*

- **Refixing Taps (N13)**

Type : *Existing set aside for reuse.*

- **Sealant For Sanitary Appliances (N13)**

Manufacturer: *Contractor's choice.*

Product Reference: *Contractor's choice.*

Type: *Silicone, class F20HM.*

Colour: *White.*

4.2 Disposal Installations

4.2.1 Internal Drainage - see alterations section

4.3 Water Installations

220 Extend Cold Water System & Provide Electric Instantaneous Local Water Heating

Location : *Serving WC (ground floor) & Tea Point (first floor)*

Contractor Design : *Contractor design to above ground drainage, to electrical installation and to water supply installation, as specified.*

Water Heater: *Reuse existing in WC & new undersink to tea point.*

Water Supply Pipework And Fittings : *As specified.*

Electrical Cable And Accessories: *As specified.*

Electrical Testing Commissioning And Documentation: *As specified.*

- **Contractor Designed Water Supply System (S90)**

Design: *Design and detail the water supply installation to BS EN 806-2 and BS 8558.*

- **Electric Instantaneous Water Heater (S90)**

Manufacturer : *Home*

Product Reference: *ILX6 Zip Inline*

Type: *Contractor's choice to meet system requirements.*

Output: *To suit draw off requirements.*

Casing Finish: *Manufacturer's standard.*

Integral Controls: *Manufacturer's standard.*

Integral Accessories: *Manufacturer's standard.*

Total for page £

To be carried forward to Section 4 collection (page 21)

- **Copper Pipelines For Hot And Cold Water System (S90)**

Manufacturer: *As specified*
 Product Reference : *Kitemark certified.*
 Size: *Contractor's choice to suit system requirements.*
 Connections To Appliances: *Contractor's choice.*
 Supports: *Plastics spacers, single screw fixing.*

- **Pipeline Insulation For Hot And Cold Water System (S90)**

Manufacturer : *Contractor's choice.*
 Type: *Preformed polyethylene foam, split tube.*
 Function: *Heat loss & Condensation control.*
 Thermal Conductivity: *0.035 W/m.K.*
 Emissivity: *Low.*
 Thickness: *To BS 5422 tables 19 and 20 and in accordance with 'TIMSA guidance for achieving compliance with Part L of the Building Regulations', table 6.1.1.*

- **Flow Reducing And Servicing Valves For Hot And Cold Water System (S90)**

Manufacturer: *Contractor's choice.*
 Product Reference: *Contractor's choice*
 Position: *To water supply pipework connections to heat sources, cisterns and tanks on the hot and cold water system.*
 Finish: *Contractor's choice to match pipework.*

4.4 Ventilating System - As Mechanical & Electrical Specification

4.5 Electrical Installations

230 Contractor Designed Electrical Power Installation

Contractor Design: *Contractor design to electrical installation, as specified.*
 Distribution Board: *Submit proposals.*
 Cables: *As specified.*
 Conduit And Trunking: *As specified.*
 Accessories: *As specified.*
 Electrical Testing Commissioning And Documentation: *As specified.*

- **Contractor Designed Electrical Installation (V90)**

Design And Detailing Of Electrical Installation: *The drawings show the outline design and layout of the main components of the electrical system; complete the design in accordance with BS 7671. Also complete detailing, selection, installation and testing and commissioning of the electrical systems. Submit computer generated calculations showing types and sizes of devices, cables, and cpcs. Include rating factors, diversity, disconnection times and values of fault current and impedance.*

Design And Detailing Of Lighting Installation Generally : *Submit layout drawings together with luminaire and lamp technical information indicating luminaire photometric data; maintenance factor calculations (showing proposals for luminaire maintenance and lamp replacement); computer generated point lighting calculations (showing calculated maintained average illuminance values and uniformity values); and isolux contour plots for the working plane.*

Design And Detailing Of Internal Lighting Installation : *Design the general internal lighting installation in accordance with SLL 'Code for lighting'.*

Design And Detailing Of Emergency Lighting Installation : *Design the emergency lighting installation in accordance with BS 5266-1.*

Mains And Distribution: *Cabling generally to be concealed. Exposed cabling or cables in concrete slabs in rigid conduit.*

Arrangement Of Power Circuits : *Submit proposals for the arrangement and separation of circuits.*

Arrangement Of Lighting Circuits : *Submit proposals for the arrangement and separation of circuits.*

- **Inspection And Testing Of Electrical Installation (V90)**

Inspection And Testing Certification: *Submit two copies of electrical installation certificate completed in accordance with BS 7671.*

- **Commissioning Of Electrical System (V90)**

Requirements: *Fully commission & demonstrate to end user*

- **Documentation For Electrical Installation (V90)**

Contents: *Test certificates, as installed drawings & diagrams, Full O&M manual*

Total for page £

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240 Electrical Heating System

Location : *First Floor Office/Training Room & Drying Room*
Contractor Design: *Contractor design to electrical installation and to heating system, as specified.*
Panel Heaters : *As specified.*
Electrical Cable And Accessories: *As specified.*
Electrical Testing Commissioning And Documentation : *As specified.*
Builders Work: *Submit proposals.*

- **Contractor Designed Heating System (T90)**

Design: *Design and detail the heating installation to achieve the specified design parameters.*
Heat Loss Calculations : *Submit heat loss calculations for each room.*

- **Inspection And Testing Of Electrical Installation (V90)**

Inspection And Testing Certification: *Submit two copies of electrical installation certificate completed in accordance with BS 7671.*

- **Documentation For Electrical Installation (V90)**

Contents : *Full technical description of each system installed*
: *Manufacturer's operating and maintenance instructions for fittings and apparatus.*
: *Manufacturer's guarantees and warranties*
: *As-installed drawings showing circuits and their ratings and locations of fittings and apparatus*
: *List of normal consumable items*

- **Commissioning Of Electrical System (V90)**

Requirements : *The complete distribution system is to be tested and commissioned in accordance with the 17th Edition of the IET Wiring Regulations 2011 and full Electrical Installation (Completion) Certificate provided.*
: *Full Test and Completion Certificates shall be provided.*

£

4.5.1 Electric Source And Mains

250 All as Mechanical & Electrical Specification Document

:

4.5.2 Electric Power Supplies

260 All as Mechanical & Electrical Specification Document

:

4.5.3 Electric Lighting

270 All as Mechanical & Electrical Specification Document

4.5.4 Electric Light Fittings

280 All as Mechanical & Electrical Specification Document

4.6 Builder's Work In Connection With Services

Total for page £

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Collection for Section 4 SERVICES	£
Page 18	
Page 19	
Page 20	
Total for Section 4 £	
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5 EXTERNAL WORKS

£

5.1 Site Works

5.2 Drainage - as above in Alterations Section

Total for page £

To be carried forward to Section 5 collection (page 23)

Collection for Section 5 EXTERNAL WORKS

£

Page 22

Total for Section 5 £

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Winfrith COB - Maritime & Coastguard Agency - Schedule of Work

Tender Summary	£
Preliminaries	
0 DEMOLITION AND ALTERATIONS (page 3)	
1 SUPERSTRUCTURE (page 8)	
2 FINISHES (page 12)	
3 FITTINGS AND FURNISHINGS (page 16)	
4 SERVICES (page 18)	
5 EXTERNAL WORKS (page 22)	
Total £	

Signed _____

For and on behalf of _____

Date _____