

SPECIFICATION



Client **UCLH**
 Project **UCLH Framework Wolfson Enabling works**
 Reference **GB 1010061/ D1**
 Date **Aug 2012**

N10

Blinds

AMENDMENT	REVISION NOTE	DATE	BY
	First Issue	15.08.2012	RJ
Prepared by	Royden John		RJ
Checked by			
Authorised by			

Wolfson Enabling Works

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N10 General fixtures/ furnishings/ equipment

To be read with Preliminaries/General conditions.

PRODUCTS

- 240 BLINDS VERTICAL BLINDS SYSTEM
- Manufacturer: Labetts Blinds & Contract Furnishings
 51 - 53 Sterte Avenue West
 Poole, Dorset
 BH15 2AJ.
 - Product reference: Panther System VL.
 - Type: Vertical louvre.
 - Material: F1300 vertical louvre fabric with bio-coat and anti-micro bacterial coating.
 Extruded aluminium headrail.
 - Finish/ Colour: white.
 - Operation: Manual.
 - Accessories/ Other requirements: Blind consists of top, end or face-fix brackets, an extruded aluminium headrail, and dual cord/chain control operation. The louvres of the blind are finished with welded pockets and bottom weights and stabilising chain. .

COMPLETION

- 920 APPLIANCES
- Test: Ensure that all functions and features work correctly.
 - Documentation: Submit guarantees, instruction manuals, etc.

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N13

Sanitary appliances and fittings

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N13 Sanitary appliances and fittings

To be read with Preliminaries/ General conditions.

PRODUCTS

- 150 WASH BASINS CLINICAL SPEC - HTM 64 COMPLIANT (ADB Code U-CHW 1)
- Manufacturer: Armitage Shanks or equal approved .
 - Product reference: No tap hole, overflow or chain stay hole, Contour, ref S2154(01) (HTM64 LB H M1)
 - Size: 500 x 400 mm
 - Material: Glazed fireclay, white.
 - Tap/ Chainstay/ Overflow holes: None
 - Water supply fittings: Wall mounted lever action taps
 - Manufacturer: Armitage Shanks or equal approved.
 - Product reference: A4553(AA) (HTM64 TB H2a) Markwik 21 integral thermostat, single sequential lever bib mixer, single flow horizontal outlet, 2 x 1/2in inlets at 200mm centres.
 - Operation: Lever action.
 - Wastes: Integral back inlet.
 - Manufacturer: As Basin .
 - Product reference: Outlet adapter, ref: S8750; plastic strainer, ref: S8746 .
 - Size: 1 1/4 inch.
 - Material: Plastic.
 - Tail:
 - Traps: 1 1/4 inch plastic bottle trap with 75 mm seal .
 - Standards: To BS EN 274-1, -2 and -3.
 - Manufacturer: As basin .
 - Product reference: S8920 (HTM64 TRR1/P)
 - Size: 1 1/4 inch.
 - Material: Plastic.
 - Depth of seal (minimum): 75 mm .
 - IPS panels: Pre-plumbed as Section K32 .
 - Accessories: Concealed hangers, toggles, bolts and clips for Contour washbasins. Mixing valve (mounted behind IPS panels), ref S7435AA.

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GB1010061

- 151 WASH BASINS SMALL BASIN - HTM 64 COMPLIANT (ADB Code U-BAS105 1)
- Manufacturer: Armtage Shanks or equal approved.
 - Product reference: Portman 21, ref: S2314, (HTM64 LB G S).
 - Size: 400 x 370 mm.
 - Material: Glazed fireclay, white.
 - Tap/ Chainstay/ Overflow holes: One tap hole, no overflow, no chainstay hole.
 - Water supply fittings: Single lever spray mixer tap, thermostatic.
 - Manufacturer: As Wash basin.
 - Product reference: A4169 (HTM64 TP6).
 - Operation: single lever.
 - Wastes: Strainer waste with 80 mm unslotted tail.
 - Standards: To BS EN 274-1, -2 and -3.
 - Manufacturer: As Wash basin.
 - Product reference: S8720 (HTM64 WT 1).
 - Size: 1 1/4 inch.
 - Material: Brass, chrome plated.
 - Tail: Unslotted.
 - Traps: Bottle.
 - Standards: To BS EN 274-1, -2 and -3.
 - Manufacturer: As Wash basin.
 - Product reference: S8920 (HTM64 TRR1/P).
 - Size: 1 1/4 inch.
 - Material: Plastics, white.
 - Depth of seal (minimum): 75 mm.
 - IPS panels: Pre-plumbed as Section K32.
 - Accessories: Bracket concealed and fixing clamps complete with centre waste bracket for Portman 21, Aluminium alloy, ref: S9138.

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GB1010061

- 328 SINKS STAINLESS STEEL - SINGLE BOWL -SINGLE DRAINER (ADB Code U-SNS922D)
- Standard: BS EN 10088: Pt 1995.
 - Manufacturer: Armitage Shanks or equal approved
 - Product reference: Sandringham Select sink, inset Stainless Steel single bowl and drainer, ref : S0127MY.
 - Size: 815 x 510 mm
 - Material: Polished stainless steel
 - Tap/ Chainstay/ Overflow holes: single lever 1 taphole mixer, overflow.
 - Taps: Sandringham SL Sink Mixer, A single lever operated mixer, .
 - Manufacturer: As Sink.
 - Product reference: B4449AA.
 - Wastes: 1 1/2 inch unslotted strainer waste.
 - Standards: To BS EN 274-1, -2 and -3.
 - Manufacturer: As Sink.
 - Product reference: S0127MY.
 - Size: 1 1/2 inch .
 - Material: Brass, chrome plated.
 - Tail: Unslotted.
 - Traps: Resealing bottle traps.
 - Standards: To BS EN 274-1, -2 and -3.
 - Manufacturer: As Sink.
 - Product reference: S8920(67).
 - Size: 1 1/2 inch.
 - Material: Plastics, self colour.
 - Depth of seal (minimum): 75 mm.
 - IPS panels: NA .
 - Accessories: N/A.
 - Other requirements: Unit to be screwed to wall through holes in back flange.
- 580 SEALANT FOR POINTING
- Standard: BS ISO 11600.
 - Class: F20 HM.
 - Type: High modulus one part silicone sealant with fugicide.
 - Manufacturer: Adshead Ratcliffe or equal approved.
 - Product reference: Arbosil 1081 or equivalent
 - Use in accordance with manufacturers instructions. Use appropriate primer when used in conjunction with materials as specified in the manufacturers recommendations.
 - Colour: White.

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GB1010061

EXECUTION**610 INSTALLATION GENERALLY**

- Assembly and fixing: Surfaces designed to falls to drain as intended.
- Fasteners: Nonferrous or stainless steel.
- Supply and discharge pipework: Fix before appliances.
- Fixing: Fix appliances securely to structure. Do not support on pipework.
- Jointing and bedding compounds: Recommended by manufacturers of appliances, accessories and pipes being jointed or bedded.
- Appliances: Do not use. Do not stand on appliances.
- On completion: Components and accessories working correctly with no leaks.
- Labels and stickers: Remove.

613 COMPATIBILITY OF COMPONENTS

- General: Each sanitary assembly must consist of functionally compatible components, preferably obtained from a single manufacturer.
- Exceptions: None.

620 NOGGINGS AND BEARERS

- Noggings, bearers, etc. to support sanitary appliances and fittings: Position accurately. Fix securely.

710 INSTALLING TAPS

- Fixing: Secure against twisting.
- Seal with appliance: Watertight.
- Positioning: Hot tap to left of cold tap as viewed by user of appliance.

720 INSTALLING WASTES AND OVERFLOWS

- Bedding: Waterproof jointing compound.
- Fixing: With resilient washer between appliance and backnut.

755 SEALANT BEDDING AND POINTING

- Bedding: Bed sinks to top of worktops .
- Pointing: Joints between appliances and walls/ floors/ IPS panels .

SPECIFICATION
DEVEREUX
ARCHITECTS

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Z10

Purpose made joinery

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Z10 Purpose made joinery

To be read with Preliminaries/ General conditions.

40 BREEAM AND VOLATILE ORGANIC COMPOUNDS

- All timber products to comply with the requirements as stated in BREAM manuals and in particular:
- Wood Panels
 - " Particleboard,
 - " Fibreboard including MDF,
 - " OSB,
 - " Cement-bonded particleboard
 - " Plywood
 - " Solid wood panel and acoustic board BS EN 13986:2002
 - Formaldehyde E11
- Verify that regulated wood preservatives are absent and of the minimum content.
- Decorative paints and varnishes BS EN 13300:200142 referred to the criteria of Decorative Paint Directive 2004/42/CE43
- VOC (organic solvent) content (testing req. 6), requirement for Phase 2. Fungal and algal resistant.

50 TIMBER PROCUREMENT

- Timber (including timber for wood based products): Obtained from well managed forests and/ or plantations in accordance with:
 - The laws governing forest management in the producer country or countries.
 - International agreements such as the Convention on International Trade in Endangered Species of wild fauna and flora (CITES).
- Documentation: Provide either:
 - Documentary evidence (which has been or can be independently verified) regarding the provenance of all timber supplied.
 - Evidence that suppliers have adopted and are implementing a formal environmental purchasing policy for timber and wood based products.
 - FSC certified and chain of custody or other agreed and accredited source of supply. Submit proof of accreditation.

110 FABRICATION

- Standard: To BS 1186-2.
- Sections: Accurate in profile and length, and free from twist and bowing. Formed out of solid unless shown otherwise.
 - Machined surfaces: Smooth and free from tearing, wooliness, chip bruising and other machining defects.
- Joints: Tight and close fitting.
- Assembled components: Rigid. Free from distortion.
- Screws: Provide pilot holes.
 - Screws of 8 gauge (4 mm diameter) or more and screws into hardwood: Provide clearance holes.
 - Countersink screws: Heads sunk at least 2 mm below surfaces visible in completed work.
- Adhesives: Compatible with wood preservatives applied and end uses of timber.

120 CROSS SECTION DIMENSIONS OF TIMBER

- General: Dimensions on drawings are finished sizes.
- Maximum permitted deviations from finished sizes:
 - Softwood sections: To BS EN 1313-1:-
Clause 6 for sawn sections.
 - Hardwood sections: To BS EN 1313-2:-
Clause 6 for sawn sections.
Clause NA.3 for further processed sections.

130 PRESERVATIVE TREATED WOOD

- Cutting and machining: Completed as far as possible before treatment.
- Extensively processed timber: Retreat timber sawn lengthways, thickened, planed, ploughed, etc.
- Surfaces exposed by minor cutting and/ or drilling: Treat as recommended by main treatment solution manufacturer.

140 MOISTURE CONTENT

- Wood and wood based products: Maintained within range specified for the component during manufacture and storage.

210 LAMINATED PLASTICS VENEERED BOARDS/ PANELS

- Fabrication: To British Laminated Plastics Fabricators Association Ltd (BLF) fabricating standards.
- Balancing veneer: From decorative veneer manufacturer and of similar composition. Applied to reverse side of core.
- Finished components: Free from defects, including bow, twist, scratches, chipping, cracks, pimpling, indentations, glue marks, staining and variations in colour and pattern.
- Joints visible in completed work: Tight butted, true and flush.

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GB1010061

220 WOOD VENEERED BOARDS/ PANELS

- Core material and veneers: Conditioned before bonding.
- Setting out: Veneer features and grain pattern aligned regularly and symmetrically unless instructed otherwise.
- Balancing veneer: Applied to reverse side of core material.
 - Moisture and temperature movement characteristics: As facing veneer.
- Veneer edges: Tight butted and flush, with no gaps.
- Tolerance of veneer thickness (maximum): ± 0.5 mm.
- Finished components: Free from defects, including bow, twist, scratches, chipping, splits, blebs, indentations, glue marks and staining.
- Surface finish: Fine, smooth, free from sanding marks.

250 FINISHING

- Surfaces: Smooth, even and suitable to receive finishes.
 - Arrises: Eased unless shown otherwise on drawings.
- End grain in external components: Sealed with primer or sealer as section M60 and allowed to dry before assembly.

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Z20**Fixings and adhesives**

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Z20 Fixings and adhesives

To be read with Preliminaries/ General conditions.

PRODUCTS

- 310 FASTENERS GENERALLY
- Materials: To have:
 - Bimetallic corrosion resistance appropriate to items being fixed.
 - Atmospheric corrosion resistance appropriate to fixing location.
 - Appearance: Submit samples on request.
- 320 PACKINGS
- Materials: Noncompressible, corrosion proof.
 - Area of packings: Sufficient to transfer loads.
- 330 NAILED TIMBER FASTENERS
- Nails:
 - Steel: To BS 1202-1 or BS EN 10230-1.
 - Copper: To BS EN 1202-2.
 - Aluminium: To BS 1202-3.
- 340 MASONRY FIXINGS
- Light duty: Plugs and screws.
 - Heavy duty: Expansion anchors or chemical anchors.
- 350 PLUGS
- Type: Proprietary types to suit substrate, loads to be supported and conditions expected in use.
- 360 ANCHORS
- Types:
 - Expansion: For use in substrate strong enough to resist forces generated by expansion of anchor.
 - Adhesive or chemical:
 - For use in substrate where expansion of anchor would fracture substrate.
 - For use in irregular substrate where expansion anchors cannot transfer load on anchor.
 - Cavity: For use where the anchor is retained by toggles of the plug locking onto the inside face of the cavity.

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GB1010061

- 370 WOOD SCREWS
- Type:
 - Wood screws (traditional pattern).
 - Standard: To BS 1210.
 - Wood screws.
 - Pattern: Parallel, fully threaded shank or twin thread types.
 - Washers and screw cups: Where required are to be of same material as screw.

- 380 MISCELLANEOUS SCREWS
- Type: To suit the fixing requirement of the components and substrate.
 - Pattern: Self-tapping, metallic drive screws, or power driven screws.
 - Washers and screw cups: Where required to be of same material as screw.

- 390 ADHESIVES GENERALLY
- Standards:
 - Hot-setting phenolic and aminoplastic: To BS 1203.
 - Thermosetting wood adhesives: To BS EN 12765.
 - Thermoplastic adhesives: To BS EN 204.

- 410 POWDER ACTUATED FIXING SYSTEMS
- Types of fastener, accessories and consumables: As recommended by tool manufacturer.

EXECUTION

- 610 FIXING GENERALLY
- Integrity of supported components: Select types, sizes, quantities and spacings of fixings, fasteners and packings to retain supported components without distortion or loss of support.
 - Components, substrates, fixings and fasteners of dissimilar metals: Isolate with washers/ sleeves to avoid bimetallic corrosion.
 - Appearance: Fixings to be in straight lines at regular centres.
- 620 FIXING THROUGH FINISHES
- Penetration of fasteners and plugs into substrate: To achieve a secure fixing.
- 630 FIXING PACKINGS
- Function: To take up tolerances and prevent distortion of materials and components.
 - Limits: Do not use packings beyond thicknesses recommended by fixings and fasteners manufacturer.
 - Locations: Not within zones to be filled with sealant.
- 640 FIXING CRAMPS
- Cramp positions: Maximum 150 mm from each end of frame sections and at 600 mm maximum centres.
 - Fasteners: Fix cramps to frames with screws of same material as cramps.
 - Fixings in masonry work: Fully bed in mortar.

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GB1010061

650 NAILED TIMBER FIXING

- Penetration: Drive fully in without splitting or crushing timber.
- Surfaces visible in completed work: Punch nail heads below wrot surfaces.
- Nailed timber joints: Two nails per joint (minimum), opposed skew driven.

660 SCREW FIXING

- Finished level of countersunk screw heads:
 - Exposed: Flush with timber surface.
 - Concealed (holes filled or stopped): Sink minimum 2 mm below surface.

670 PELLETED COUNTERSUNK SCREW FIXING

- Finished level of countersunk screw heads: Minimum 6 mm below timber surface.
- Pellets: Cut from matching timber, match grain and glue in to full depth of hole.
- Finished level of pellets: Flush with surface.

680 PLUGGED COUNTERSUNK SCREW FIXING

- Finished level of countersunk screw heads: Minimum 6 mm below timber surface.
- Plugs: Glue in to full depth of hole.
- Finished level of plugs: Projecting above surface.

690 USING POWDER ACTUATED FIXING SYSTEMS

- Powder actuated fixing tools: To BS 4078-2 and Kitemark certified.
- Operatives: Trained and certified as competent by tool manufacturer.

700 APPLYING ADHESIVES

- Surfaces: Clean. Adjust regularity and texture to suit bonding and gap filling characteristics of adhesive.
- Support and clamping during setting: Provide as necessary. Do not mark surfaces of or distort components being fixed.
- Finished adhesive joints: Fully bonded. Free of surplus adhesive.

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Z22**Sealants**

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Z22 Sealants

To be read with Preliminaries/General conditions.

PRODUCTS**310 JOINTS GENERALLY INTERNAL & EXTERNAL**

- Primer, backing strip, bond breaker: Types recommended by sealant manufacturer.

EXECUTION**610 SUITABILITY OF JOINTS**

- Presealing checks:
 - Joint dimensions: Within limits specified for the sealant.
 - Substrate quality: Surfaces regular, undamaged and stable.
- Joints not fit to receive sealant: Submit proposals for rectification.

620 PREPARING JOINTS

- Surfaces to which sealant must adhere:
 - Remove temporary coatings, tapes, loosely adhering material, dust, oil, grease, surface water and contaminants that may affect bond.
 - Clean using materials and methods recommended by sealant manufacturer.
- Vulnerable surfaces adjacent to joints: Mask to prevent staining or smearing with primer or sealant.
- Backing strip and/ or bond breaker installation: Insert into joint to correct depth, without stretching or twisting, leaving no gaps.
- Protection: Keep joints clean and protect from damage until sealant is applied.

630 APPLYING SEALANTS

- Substrate: Dry (unless recommended otherwise) and unaffected by frost, ice or snow.
- Environmental conditions: Do not dry or raise temperature of joints by heating.
- Sealant application: Fill joints completely and neatly, ensuring firm adhesion to substrates.
- Sealant profiles:
 - Butt and lap joints: Slightly concave.
 - Fillet joints: Flat or slightly convex.
- Protection: Protect finished joints from contamination or damage until sealant has cured.