

KJ TAIT

ENGINEERS

MRC LABORATORY OF MOLECULAR BIOLOGY

NEW IT ROOM IS001

CAMBRIDGE

SPECIFICATION – VOLUME 4

APPROVED MANUFACTURERS SCHEDULES

REVISION P02

TENDER ISSUE

Document History

SUITABILITY	REVISION	DATE	DETAILS	BY	CHKD
S4	P01	3 rd July 2018	Tender Issue	AC	BH
D2	P02	4 th August 2018	Tender Issue updated to incorporate client comments	TM	BH

CONTENTS

1.0 NOTES TO CONTRACTOR

2.0 PREFERRED ELECTRICAL MANUFACTURER SCHEDULE

3.0 PREFERRED MECHANICAL MANUFACTURER SCHEDULE

1.0 NOTES TO CONTRACTOR

The manufacturers and references specified set the standard for the quality and type of materials and products to be used, which shall be to those manufacturers' normal specification. The contractor will be responsible for selection from the chosen manufacturers to meet the performance specification and compliance with relevant codes and standards.

Not all of the equipment listed is applicable to this project as this document is a standardised list.

The Contractor shall indicate prior to purchase, which manufacturers have been included in the compliant bid. Failure to indicate the manufacturer will deem the inclusion of the first manufacturer shown for each item. The design is generally based on the first manufacturer identified for each item of equipment. Where the tender return does not include for the first manufacturer shown, the tender will take design responsibility where this manufacturer equipment differs from the first manufacturer.

Contractors shall not rely on quotations that may have been issued previously by manufacturer regarding this project.

All submissions must be fully compliant with the specification.

The tenderer may propose alternatives, but these must be specified during the tender period and identified and priced separately in the tender submission. These alternative Suppliers or Manufacturers equipment must be to at least an equal standard and quality to that listed and must be approved by the Engineer.

Should the tenderer foresee any difficulty with the delivery periods for the selected equipment, this shall be clearly stated and evidence provided during the tender submission, as no unsubstantiated claims for programme delays will be accepted at a later date.

This Specification, the associated design drawings and the Materials and Workmanship Specifications define the performance required for the design and installation of the Mechanical, Electrical and Public Health engineering services proposed for installation.

2.0 PREFERRED ELECTRICAL MANUFACTURER SCHEDULE

DESCRIPTION	MANUFACTURERS OR SPECIALISTS
LV SWITCHGEAR AND DISTRIBUTION	
Air Circuit Breakers	Schneider ABB Eaton MEM Dorman Smith
Specialist Distribution Panels	Alan Electrical Tel:- 01727 841344 Email:- roconnor@alanelectrical.co.uk Wiremek Ltd Tel:- 01473 529100 M.Gleed@wiremek.co.uk ECS Ltd Tel:-01603 899700 Jon.kelf@ecs-anglia.co.uk Schneider Electric Ryefield BEMCO
LV DISTRIBUTION	
MCB distribution boards with integral isolators, distribution equipment and lockable steel enclosures. Fault level current 25kA.	Schneider Electric (Acti 9) ABB Eaton MEM Dorman Smith
PDU/Consumer Units	Alan Electrical Tel:- 01727 841344 Email:- roconnor@alanelectrical.co.uk Wiremek Ltd Tel:- 01473 529100 M.Gleed@wiremek.co.uk ECS Ltd Tel:-01603 899700 Jon.kelf@ecs-anglia.co.uk Schneider Electric (Acti 9) ABB Eaton MEM Dorman Smith
LV Protective Devices (ACBs, MCCBs & MCBs)	Schneider Electric (Acti 9) ABB Eaton MEM Dorman Smith Note that KJ Tait Engineers design and specification is based on Schneider devices throughout to achieve full discrimination. If the tenderer bases his design on an alternative manufacturer in the list above, they shall be responsible for carrying out full Amtech calcs to prove discrimination.

DESCRIPTION	MANUFACTURERS OR SPECIALISTS
Fuse Switches and Loose LV Switchgear	Schneider ABB Eaton MEM Dorman Smith
Sub-Meters (Non networked)	Schneider ABB Eaton MEM Dorman Smith
Uninterruptible Power Systems	Eaton Ltd Power Technique Ltd UPSL Ltd APC Schneider Note that KJ Tait Engineers design and specification is based on Eaton Ltd devices throughout. If the tenderer bases his design on an alternative manufacturer from the list above, then they shall be responsible for carrying out full design calculations.
ACCESSORIES, CABLING AND CONTAINMENT	
Wiring Accessories	MK Wandsworth Legrand Crabtree Marshall Tufflex
Medium & Low Voltage Wiring Cables	AEI Prysmian Draka All cables to be BASEC approved.
Cable terminals, crimps, lugs	Cembre Elpress Raychem
Fire rated Cabling Enhanced or Standard Grade – refer to specification	Draka AEI Prysmian Wrexham (MICC) All cables to be BASEC approved.
Galvanised Conduit	Walsall Armorduct Marshall Tufflex Newey and Eyre Ltd (Wholesalers)
Flexible Conduits	Kopex International (LSF sheathed range only) Anaconda (LSF sheathed range only) Barton Engineering (LSF sheathed range only)

DESCRIPTION	MANUFACTURERS OR SPECIALISTS
Galvanised Steel Cable Trunking	Unitrunk Armorduct Cableduct Ltd Salamander Ackerman The contractor must match existing containment manufacturer and type
3 Compartment uPVC Dado Trunking	Legrand Marshall Tufflex MK Electric Style to be agreed with architect. Cat6A data cabling compliant.
Cable Trays, Cable Ladder, Cable Baskets	Legrand Marshall Tufflex Mita (UK) Ltd Unistrut The contractor must match existing containment manufacturer and type
Sockets, Lighting Switches and General Accessories	MK to match existing Or Equal and Approved with both the Engineer and Architect
LV Contactors	Schneider Telemecanique
STRUCTURED CABLING SYSTEMS	
Cabling, Patch Panels etc	Krone Brandrex Nexus Excel
Cabinets	Client supply

3.0 PREFERRED MECHANICAL MANUFACTURERS SCHEDULE

DESCRIPTION	MANUFACTURERS OR SPECIALISTS
HEATING SYSTEMS	
Pumps	Grundfos Wilo Pullen
Pressurisation Units	Grundfos
VALVES	
Valves	Oventrop Crane Hertz Hattersley IMI Hydronics
Control Valves	Danfoss
Water Service Valves	Danfoss Hertz Horne Reliance
BMS	
BMS/Controls	Honeywell Tridium only