

**LB032 BEAMS Phase 3 Works**

|             |   | Like for like<br>replacements | Quantity | Unit | Rate | Total       |
|-------------|---|-------------------------------|----------|------|------|-------------|
|             | <b>LB032 - PHYSICS CORRIDOR E91 / E93 / E94 / E97</b>   |                               |          |      |      |             |
|             | <u>NOTE: This Schedule of Works has not been prepared in accordance with SMM7 or NRM2. There is no guarantee that this document contains all items required for the tender submission. The Contractor shall ensure all items have been allowed for to complete the works</u>  |                               |          |      |      |             |
|             | <u>NOTE: The quantities contained within the item descriptions of this schedule are approximate quantities and for guidance only. It is the contractors responsibility to ascertain the exact quantities and ensure these have been allowed for within the tender</u>   |                               |          |      |      |             |
|             | <b><u>GENERAL NOTES</u></b>   |                               |          |      |      |             |
| A           | All works in this section must be read in conjunction with the main contract preliminaries and trade preambles located at the front of this document.   |                               |          |      |      | <b>Note</b> |
| B           | The items in the schedule of works only provide an indication of the works involved. The contractor is to check, measure and co-ordinate the full project information provided and allow for all costs.   |                               |          |      |      | <b>Note</b> |
| C           | To be read in conjunction with the drawings attached.   |                               |          |      |      | <b>Note</b> |
| D           | Each specific item should be priced. Bracketing of several items to one cost will not be acceptable.  |                               |          |      |      | <b>Note</b> |
| <b>1.00</b> | <b>DEMOLITION</b>   |                               |          |      |      |             |
|             | <b>General</b>  |                               |          |      |      |             |
| 1.01        | Arrange for a UCL approved fire contractor to isolate existing smoke heads and install temporary heat detectors for the duration of the works.  |                               | 1        | Item |      |             |
|             | <b>Temporary Works</b>  |                               |          |      |      |             |
| 1.02        | Provide all necessary temporary works for the works. Contractor to include for all necessary fire rated hoarding to access points of the site in compliance with the UCL Fire Strategy requirements. The Contractor is to allow to provide access to laboratory E11-13 during the course of the project. The works within E91, E93, E94 will be required to be conducted out of normal working hours. Contractor to confirm requirements. |                               | 1        | Item |      |             |
|             | <b>Access Requirements</b>  |                               |          |      |      |             |
| 1.03        | Provide all necessary access equipment for the works.   |                               | 1        | Item |      |             |
| 1.04        | All necessary access equipment to be stored on site and ensure that fire exit / escapes remain open.  |                               | 1        | Item |      |             |
|             | <b>Generally</b>  |                               |          |      |      |             |
| 1.05        | The school will organise for the clearance of the existing post within the pigeonholes.   |                               |          |      |      | <b>Note</b> |
| 1.06        | Allow for Fisk Fire or other UCL approved fire contractor to isolate the existing smoke heads and install temporary heat detection for the duration of the project.   |                               | 1        | Item |      |             |
|             | <u>The contractor is to temporary protect and store the following items within the works area and on completion fix back in the existing positions.</u>   |                               |          |      |      |             |
| 1.07        | Notice boards   |                               | 1        | Item |      |             |
| 1.08        | Notices   |                               | 1        | Item |      |             |
| 1.09        | The contractor is to hand back to the Client all large physics posters  |                               | 1        | Item |      |             |
|             | <b>Finishes</b>   |                               |          |      |      |             |

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| 1.1         | Uplift and dispose of existing vinyl sheet flooring and leave ready to receive new vinyl and carpet flooring; E91, E93, E94, E97   |                            | 1        | Item |                |       |
| 1.11        | Uplift and dispose of existing entrance matting; E91   |                            | 1        | Item |                |       |
| 1.12        | Take down and remove the existing suspended metal tile ceiling and lighting fittings (lighting controls are to be retained and re-used for new fittings); E91, E93, E94  |                            | 1        | Item |                |       |
| 1.13        | Remove, protect and refix existing lockable noticeboards   |                            | 10       | NR   |                |       |
|             | <b>Fabric</b>  |                            |          |      |                |       |
| 1.14        | Dispose of existing door and frame, Room 15  |                            | 1        | Item |                |       |
|             | <b>Fittings and Furnishings</b>  |                            |          |      |                |       |
| 1.15        | Demolish and cart away existing pigeon hole unit   |                            | 1        | Item |                |       |
| 1.16        | Dispose of existing door and make good frame ready for new door; Room E18, E20   |                            | 2        | nr   |                |       |
|             | <b>Mechanical, Electrical and Plumbing</b>   |                            |          |      |                |       |
| 1.17        | Allow to strip out all redundant electrical equipment and trunking within the works area back to circuit board and data cabinet. Include for all tracing out, isolation and upkeep of an services to be retained.  |                            | 1        | Item |                |       |
| 1.18        | Dispose of existing water fountain   |                            | 1        | Item |                |       |
| 1.19        | Dispose of existing 2nr radiators; E97   |                            | 1        | Item |                |       |
| <b>2.00</b> | <b><u>SPOT ITEMS AND ALTERATIONS</u></b>   |                            |          |      |                |       |
|             | <b>Generally</b>   |                            |          |      |                |       |
| 2.01        | Allow for making good all disturbed or damaged surfaces generally, including walls, door surrounds, ceiling, floor etc.; make ready to receive new finishes.   |                            | 1        | Item |                |       |
| 2.02        | Allow for a builders clean of the entire works area following completion of the works.   |                            | 1        | Item |                |       |
| 2.03        | Allow for a survey of the works area by a UCL approved fire protection subcontractor, which identifies any required fire protection. Review against fire compartmentation plan. Produce report by 1st week of the programme advising of any recommendations. Allow to complete any of the recommended fire stopping works in accordance with UCL document M106/TN066 |                            | 1        | Item |                |       |
| 2.04        | Carry out firestopping works by a UCL approved firestopping contractor as per recommendations; E91, E93, E94, E97  |                            |          | PS   | <b>2500.00</b> |       |
| 2.05        | Board out the existing un-used door, including removal of existing architraves, stud out door opening, and fix single Gyproc 12.5mm wallboard either of the door, fill all joints to leave flush with existing surrounding wall finish ready to be decorated; Room 15  |                            | 1        | Item |                |       |
| 2.06        | The contractor is to manage and co-ordinate the delivery and installation of the Client-supplied furniture which to be programmed in the last week. The contractor is to ensure the area is ready for the furniture installation in the final week of the programme. The proposed Client-supplied furniture is indicated on the contract drawing.                    |                            | 1        | Item |                |       |
| 2.07        | Carry out repair / restoration of the damaged parquet flooring by a specialist contractor including making good/sealing of the floor. Location of repair marked on drawing and approx. 1m2.  | Yes                        | 1        | Item |                |       |
| 2.08        | Enabling works for the mounting of the new AV screens  |                            |          | PS   | <b>1000.00</b> |       |
| <b>3.00</b> | <b><u>INTERNAL WALLS &amp; PARTITIONS</u></b>  |                            |          |      |                |       |
|             | <u>Renew high level boxing to both sides of corridor as below:</u>   |                            |          |      |                |       |

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| 3.01        | Open up to investigate contents.   |                            | 1        | Item         |         |       |
| 3.02        | Remove redundant wall fittings.  |                            | 1        | Item         |         |       |
| 3.03        | Fit new modern Pendock boxing to either side of corridor.  | Yes                        | 74       | LM           |         |       |
| <b>4.00</b> | <b><u>INTERNAL DOORS</u></b>   |                            |          |              |         |       |
|             | <u>Contractor to allow to ease, adjust and overhaul retained doors which access the site areas to ensure they are fully functioning including carrying out pull tests, replacing and lubricating any missing/ defective ironmongery, replacing defective/non-compliant smoke seals</u>   |                            |          |              |         |       |
| 4.01        | Double door between E94 & E97<br>Double door between E93 & E92   |                            | 1<br>1   | Item<br>Item |         |       |
| 4.02        | Encase electrical cupboards with new cabinets with hinged doors and indicative signage to outside.   |                            | 7        | nr           |         |       |
| 4.03        | Prepare timber heritage doors, French polish to limits of permission, ease adjust and upgrade door closers and fire/ smoke seals. Ensure doors fully functioning including carrying out pull tests and replacing and lubricating any missing and defective ironmongery; Doors leading to rooms/areas E1, E2, E3A, E4, E6, E7, E8, E9, E10, E11, E14, E16, Wilkins building.  | Yes                        | 16       | nr           |         |       |
| 4.04        | Fit new FD30 44mm paint grade timber door to both E18 and E20 offices. Doors are to suit the size of existing openings and include for the following fittings:<br><br>- Morticed sashlock holed for Euro-profile cylinder locks<br>- Return to door (RTD) lever handles and round escutcheons to match set<br>- Briton 2003 door closer<br>- Fire rated hinges<br>- 150mm high steel kickplate<br>- ASSA Scanflex 320SF escutcheons<br>- Fit UCL-supplied cylinder lock (to be collected from UCL Lock Team in Andrew Huxley Building)<br><br>- Satin chrome finish on all furniture |                            | 1        | Item         |         |       |
| 4.05        | Specialist joinery repairs to corridor double-door at top of steps leading to Wilkins building lobby, including repairing transom beads.   | Yes                        |          | PS           | 3000.00 |       |
| <b>5.00</b> | <b><u>WINDOWS</u></b>  |                            |          |              |         |       |
| 5.01        | Install Pyrobelite glazing panels to top of wall up against existing bevelled glazing to provide minimum 30mins fire rating; E11   |                            | 1        | Item         |         |       |
| 5.02        | Review water ingress to base of new metal framed glazing to main entrance and propose solution/remedial works  |                            |          | PS           | 1000.00 |       |
| <b>6.00</b> | <b><u>FINISHES</u></b>   |                            |          |              |         |       |
|             | <b>Wall Finishes</b>   |                            |          |              |         |       |
| 6.01        | Encase radiator with radiator covers, forward design options for Client approval   |                            | 2        | Nr           |         |       |
| 6.02        | Install Fire Safe Aluminium Frame Tamperproof Polycolour Notice Board (1200mm x 900mm); final locations TBC on site with Client<br><br><u>Infill redundant holes fixing holes, prepare and decorate all wall surfaces in 2 coats of Dulux Trade Diamond Matt; in accordance with trade preambles section M60/105</u>   | Yes                        | 10       | Nr           |         |       |
| 6.03        | E91  |                            | 1        | Item         |         |       |
| 6.04        | E93  |                            | 1        | Item         |         |       |
| 6.05        | E94  |                            | 1        | Item         |         |       |
| 6.06        | E97  |                            | 1        | Item         |         |       |

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| 6.07        | Allow for professionally applied mastic sealant detailing to all rooms and as directed by the contract administrator.   |                            | 1        | Item           |                |       |
| 6.08        | Install new floor to ceiling timber slated wall panels to location shown on contract drawing; SlatWall Walnut range from www.naturalwall.com  |                            | 1        | Item           |                |       |
|             | <b>Ceiling Finishes</b>   |                            |          |                |                |       |
|             | <u>Infill redundant holes fixing holes, prepare and decorate all ceiling surfaces in 2 coats of Dulux Trade Vinyl Matt; in accordance with trade preambles section M60/110A</u>               |                            |          |                |                |       |
| 6.09        | E91   |                            | 1        | Item           |                |       |
| 6.10        | E97   |                            | 1        | Item           |                |       |
|             | <u>Renew metal ceiling tiles, grid and suspension system; K10/10</u>  |                            |          |                |                |       |
| 6.11        | E93   | Yes                        | 1        | Item           |                |       |
| 6.12        | E94   | Yes                        | 1        | Item           |                |       |
|             | <b>Floor Finishes</b>   |                            |          |                |                |       |
|             | <u>Instruct Weaver flooring or similar specialist flooring contractor to carry out the following flooring works as shown on the contract drawings:</u>  |                            |          |                |                |       |
| 6.13        | Allow for all preparation to existing sub-floor in readiness for installation of new floor finishes; E91, E93, E94, E97   |                            | 1        | Item           |                |       |
| 6.14        | Supply and lay new Amtico Signature wooden flooring to central floor areas as shown on drawing in accordance with the trade preambles sections M60/110; E91, E93, E94, E97                    |                            | 1        | Item           |                |       |
| 6.15        | Supply and lay new Amtico Spacia flooring to floor borders, stair treads, risers and landing as shown on drawing in accordance with the trade preambles sections M50/110B; E91, E93, E94, E97 |                            | 1        | Item           |                |       |
| 6.16        | Supply and lay new Entrance Matting in accordance with the trade preambles section N10/300; E91   | Yes                        | 1        | Item           |                |       |
| 6.17        | Division/transition strips between differing floor finishes where required, comprising proprietary brass cover strips.  |                            | 1        | Item           |                |       |
| 6.18        | Include for brass metal trims to 9NR electrical floor boxes   | Yes                        | 1        | Item           |                |       |
| 6.19        | Include for brass nosing's to steps leading to Wilkins building   |                            | 1        | Item           |                |       |
|             | <b>Joinery &amp; Metalwork Finishes</b>   |                            |          |                |                |       |
| 6.20        | Prepare and decorate previously painted and new metal work; in accordance with trade preambles section M60/195B; E91, E93, E94, E97   |                            | 1        | Item           |                |       |
| 6.21        | Prepare and decorate previously painted and new joinery; in accordance with trade preambles section M60/130A; E91, E93, E94, E97  |                            | 1        | Item           |                |       |
| <b>7.00</b> | <b><u>FITTINGS / SPECIALIST JOINERY</u></b>   |                            |          |                |                |       |
| 7.01        | Extend the handrail 300mm horizontally, both at the top and at the bottom of the stepped route as indicated on the contract drawing, include for French polishing both handrails.             | Yes                        | 1        | Item           |                |       |
| 7.02        | Supply and install new tactile room signage from Placemarque or other UCL signage supplier in accordance with current UCL Employers Requirements  |                            | PS       | <b>1500.00</b> |                |       |
|             | <b>Placemarque</b><br><b>127 Portland Street, Manchester, M1 4PZ</b><br><b>Tel: 0161 241 3174</b><br><b>Email: info@placemarque.com</b>   |                            |          |                |                |       |
| 7.03        | Supply and install new emergency exit signage indicating escape routes for disabled occupants in accordance with current UCL Employers Requirements; E91, E93, E94, E97                       |                            |          | PS             | <b>1000.00</b> |       |
| 7.04        | Supply and install self-illuminated Fire Exit signage as necessary; E91, E93, E94, E97  |                            | 1        | Item           |                |       |

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| 8.00 | <p><b><u>MECHANICAL &amp; ELECTRICAL SERVICES</u></b></p> <p><b>CONTRACTOR'S DESIGN PORTION</b></p> <p>The works in this section comprise the design and installation of the mechanical and electrical works. The Employer's requirements are for the Contractor to provide the detailed drawings, technical information, proposals, certification, reports and testing, and complete provision, installation and removal in accordance with the items listed below</p> <p>The items allowed below are merely an indication of the content. It is for the Contractor to ensure all necessary works are allowed for, to complete the installations.</p> <p><u>Supply and install the following radiators, include for TRV's:</u></p> |                            |          |      |      |       |
| 8.01 | STELRAD SAVANNA I COMPACT – 450MM X 900MM, K2   | Yes                        | 1        | Item |      |       |
| 8.02 | STELRAD SAVANNA I COMPACT – 600MM X 1000MM, K2  | Yes                        | 1        | Item |      |       |
| 8.03 | Include for extending the pipework to 1NR radiator 500mm as shown on the contract drawing as well as adapting existing pipework to connect to replacement radiators.  |                            | 1        | Item |      |       |
| 8.04 | Install new replacement drinking water fountain; contractors choice; to be compliant with UCL Employers Requirements.   | Yes                        | 1        | Item |      |       |
|      | <p><b>New Electrical Conduit and Circuits</b></p> <p>Contractor to allow to review all existing distribution boards serving the works areas to ensure they are fit for purpose and can accommodate capacity of alterations proposed here in. Report findings to the CA upon review within first week of contract.</p>   |                            | 1        | Item |      |       |
| 8.05 |   |                            |          |      |      |       |
| 8.06 | Renew all existing electrical sockets and connect to existing distribution board. Include for ring main upgrade; E91, E93, E94, E97   | Yes                        | 1        | Item |      |       |
|      | <p><b>Data Cabling</b></p> <p>Renew existing data sockets and cabling back to existing hub/server. Final connections are to be carried out by UCL Network Services.</p>   | Yes                        | 1        | Item |      |       |
| 8.07 |   |                            |          |      |      |       |
|      | <p><b>Power and Data Connections for AV Installations</b></p> <p>Contact the UCL ISD Project Manager to obtain the power and data requirements for the AV installations in site area. Insert price here for necessary power and data connections to AV set up. Contact details as below:</p> <p><b>Ian Hamilton</b><br/> <b>Mobile: 0788 4260827</b><br/> <b>Email: ian.hamilton@ucl.ac.uk</b></p>  |                            | 1        | Item |      |       |
| 8.08 |   |                            |          |      |      |       |
|      | <p><b>Lighting</b></p> <p><u>Supply and install lighting design as per Sylvania Lighting design in all works areas as follows:</u><br/> <u>RUBICO LED 600X600 HE 4K DALI</u><br/> <u>OPTIX SURFACE 1200X200 2 LINE D/I 4000K ALU DALI</u><br/> <u>OPTIX S INFILL 600MM</u><br/> <u>SAT4G4 - 31W LED 4000K 3811lm</u></p>  | Yes                        |          |      |      |       |
| 8.09 |   |                            |          |      |      |       |
| 8.1  | Contact Guy Dehavilland of Sylvania Lighting for full specification and insert cost here for all items.   |                            | 1        | Item |      |       |
|      | <p><b>Sylvania UK Limited</b><br/> <b>Avis Way</b><br/> <b>Newhaven</b><br/> <b>BN9 OED</b><br/> <b>T: 01273616210</b></p>  |                            |          |      |      |       |

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|              | <i>email: guy.dehavilland@sylvania-lighting.com</i>  |                            |          |      |                |       |
| 8.11         | Allow for all works in connection with the installation of the new lighting and re-using the existing Ex-Or lighting controls, including forming new lighting circuits as necessary and switches, setting into suspended ceilings (taking into account ceiling height changes) with final locations to be confirmed on site with Gavin Chapman UCL Building Services Engineer, contact details noted below:<br><br><i>Email: g.chapman@ucl.ac.uk</i><br><i>Mobile: 07435 272270</i><br><i>Telephone: 020 3108 8573</i> |                            | 1        | Item |                |       |
| 8.12         | Allow for checking compliance of smoke detection within works area by UCL incumbent fire services contractor; E91, E93, E94, E97   |                            | 1        | Item |                |       |
| 8.13         | Provisional sum for replacement smoke detection devices  |                            |          | PS   | <b>2000.00</b> |       |
|              | <u>Supply and install new emergency lighting system as necessary within works area. Include for one gang one way light switch (for emergency testing). To achieve a minimum of 7 LUX level. Design to be approved by Gavin Chapman UCL Building Services Engineer</u>  |                            |          |      |                |       |
| 8.14         | E91  |                            | 1        | Item |                |       |
| 8.15         | E93  |                            | 1        | Item |                |       |
| 8.16         | E94  |                            | 1        | Item |                |       |
| 8.17         | E97  |                            | 1        | Item |                |       |
| <b>9.00</b>  | <b><u>EXTERNAL</u></b>   |                            |          |      |                |       |
| 9.01         | Allow to chase in and install a new ACO drain system outside entrance door and connect to nearby drain as show on drawing. Allow to carry out all making good as required.   |                            | 1        | Item |                |       |
| <b>10.00</b> | <b><u>TESTING &amp; COMMISSIONING</u></b>  |                            |          |      |                |       |
|              | <b>Electrical</b>  |                            |          |      |                |       |
| 10.01        | Allow for commissioning and testing of the electrical installations in this schedule and all as referred to or implied in the schedule of alterations and drawings; including any existing services.   |                            | 1        | Item |                |       |
|              | <b>Mechanical</b>  |                            |          |      |                |       |
| 10.02        | Allow for commissioning and testing of the mechanical installations in this schedule and all as referred to or implied in the schedule of alterations and drawings; including any existing services.   |                            | 1        | Item |                |       |
|              | <b>END OF CONTRACTORS DESIGN PORTION WORKS</b>   |                            |          |      |                |       |
| <b>11.00</b> | <b><u>BUILDERS WORKS IN CONNECTION</u></b>   |                            |          |      |                |       |
| 11.01        | Allow for builders work in connection with the electrical installations including but not limited to holes, chases, mortices, recesses etc in the structure and finishing and making good all work disturbed, provisions of all battens and backboards, fire stopping, insulation etc.   |                            | 1        | Item |                |       |
| 11.02        | Allow for builders work in connection with the plumbing and mechanical services including but not limited to holes, mortices, recesses etc in the structure and finishing, fire stopping of structural openings etc and making good all work disturbed.  |                            | 1        | Item |                |       |
| <b>12.00</b> | <b><u>OTHER</u></b>  |                            |          |      |                |       |
| 12.01        | Please list any other items required to complete the work  |                            |          |      |                |       |

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|  |                            |          |      |  |       |
|  |                            |          |      | CENTRAL HOUSE STUDY ROOMS              |       |
|  |                            |          |      | SCHEDULE OF WORKS TOTAL TO COLLECTION: | 0.00  |