

BEAMS - SW2215 KLB Specialist Gas Supply

		Quantity	Unit	Rate	Total
	SW2215 Specialist Gas Supply to KLB Basement				
	<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>				
	<u>GENERAL NOTES</u>				
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.		Note		
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.		Note		
C	To be read in conjunction with the drawings attached.		Note		
D	Each specific item should be priced. Bracketing of several items to one cost will not be acceptable.		Note		
1.00	ENABLING WORKS				
	Existing Armoured Cable				
1.01	Relocate above the window cill the existing armoured cable, where the three cylinder cage is to be installed. Attach the armoured cable to the wall securely. Allow for 1.600 LM.	1	Item		
	Protection				
1.02	Provide protection to the 5Nr. Diakin units, located at the bottom of the ramp and lightwell.	1	Item		
2.00	BELOW GROUND SURVEY				
	The Contractor to undertake a below ground survey to determine drainage runs, utility supplies, etc, within the following areas:				
2.01	1. The concrete landing / step / lightwell located at the bottom of the ramp, where the step is to be removed.	1	Item		
	2. The lightwell between room B22 windows, where the six cylinder cage is to be installed.				
	3. Outside the entrance to the west staircase, where the three cylinder cage is to be installed.				
2.02	Note: The Contractor is to report finding to the Contract Administrator, via PDF report appended to an email.	Note	Note	Note	Note

BEAMS - SW2215 KLB Specialist Gas Supply

		Quantity	Unit	Rate	Total

BEAMS - SW2215 KLB Specialist Gas Supply

		Quantity	Unit	Rate	Total
3.00	ACCESS MODIFICATIONS				
	Concrete Landing				
3.01	Neatly cut out the concrete landing located at the base of the ramp, as shown in drawing. Size of the landing: L: 1700mm x W: 1380mm x H: 300mm.	1	Item		
3.02	Reduce the floor level where landing was removed and up to the existing manhole by 200mm for new concrete to be laid in to. Leave ready to receive new concrete. Size: L: 1700mm x W: 1380mm x H: 200mm.	1	Item		
	Concrete Step and Lightwell				
3.03	Neatly cut out the concrete step, as shown in the drawing. Size of the step: L : 300mm x W: 1380mm x H: 300mm.	1	Item		
3.04	Reduce the floor level where step was removed and up to the existing manhole by 200mm for new concrete to be laid in to. Leave ready to receive new concrete. L: 600mm x W: 1380mm x H: 200mm.	1	Item		
	New Concrete				
3.05	Supply and lay concrete to reduced levels. Provide formwork. Size: L: 2300mm x W: 1380mm x H: 200mm. Finish the concrete level with the road and form slope (Size: L: 600mm x W: 1380mm)	1	Item		
	Ramp Handrail				
3.06	Supply and install a bespoke metal balustrade and metal handrail, to the bottom of the ramp. The handrail and balustrade is to match the existing ramp handrail design, materials and fixings. Refer to drawing for design. Total size: H: 900mm x L: 1450mm Thk: 50mm	1	Item		
4.00	CONCRETE CAGE BASES				
	Four Cylinder Cage Base				
4.01/A	Neatly cut out the existing concrete between room B22 windows, to the position shown in the drawing. Size: L: 1600mm x W: 550mm x H:200mm. Provide formwork and install new concrete. Form edges of the existing surface (asphalt) up the sides of the concrete base. Ensure base is level with the surrounding surface.	1	Item		
	Two Cylinder Cage Base				
4.02/B	Neatly cut out the existing concrete between room B22 and rom B21 windows, to the position shown in the drawing. Size: L: 860mm x D: 550mm x H 200mm. Provide formwork and install new concrete. Form edges of the existing surface (asphalt) up the sides of the concrete base. Ensure base is level with the surrounding surface.	1	Item		

BEAMS - SW2215 KLB Specialist Gas Supply

		Quantity	Unit	Rate	Total
	Three Cylinder Cage Base				
4.02/A	Neatly cut out the concrete to the hard landscaping directly outside the entrance to the position shown in the drawing. Size: L: 1100mm x D: 550mm x H: 270mm. Provide formwork and install new concrete. Form edges of the existing surface (tarmac) up the sides of the concrete base.	1	Item		
5.00	CYLINDER CAGES				
	BOC Cylinder Cages The Principal Contractor is to place an order for BOC six cylinder cage through the onsite BOC Services Manager based at UCL. The BOC representative is to confirm the order for the proposed-cylinder cages. The metal cage is to be factory finished with black coloured paint.				
5.01	Contact Details: Name: Jim Kirkland Landline: 0207 299 7780 Mobile: 07508701083 Email: Jim.kirkland@boc.com BOC Holders The Principal Contractor is to place an order for BOC cylinder holders through the onsite BOC Services Manager based at UCL. The BOC representative is to confirm the order. The holders are to be factory finished with white coloured paint. The six cylinder holders to fit inside each cylinder cage. Fix to wall securely	Note	Note		
5.02	Contact Details: Name: Jim Kirkland Landline: 0207 299 7780 Mobile: 07508701083 Email: Jim.kirkland@boc.com	Note	Note		
5.04A	Bespoke BOC Cylinder Cages Supply and install bespoke BOC secure cylinder cages. Colour: black and applied during fabrication by BOC.				
5.04B	BOC Four-cylinder cage : Size: L: 1500mm x D: 450 x Front H: 1800mm x Rear H: 2000mm. Roof to be sloping. Cut slots in cage to accommodate existing A/C unit pipe within cage and align cage against elevation.	1	Nr.		

BEAMS - SW2215 KLB Specialist Gas Supply

		Quantity	Unit	Rate	Total
5.04C	BOC Two-cylinder cage : Size: L: 760mm x D: 450mm x Front H: 1800mm x Rear H: 2000mm. Roof to be sloping. Cut slots in cage to accommodate existing A/C unit pipe within cage and align cage against elevation.□	1	Nr.		
5.04D	BOC Three-cylinder cage : Size: L: 1000mm x D: 450mm x Front H: 1600mm x Rear H: 1800mm. Roof to be sloping. Cut slots in cage to accommodate existing waste pipe within cage and align cage against elevation.	1	Nr.		
	BOC Cylinder Holders				
5.05E	Supply and install BOC cylinder holders:				
5.05F	BOC four cylinder holder.	1	Nr.		
5.06G	BOC two cylinder holder.	1	Nr.		
5.07H	BOC three cylinder holder.	1	Nr.		
	BOC Warning Signs				
	The Principal Contractor is to place an order for signage through the onsite BOC Services Manager based at UCL. The BOC representative is to confirm the order for the proposed signage.				
5.05	Contact Details: Name: Jim Kirkland Landline: 0207 299 7780 Mobile: 07508701083 Email: Jim.kirkland@boc.com	1	Item		
5.06	Supply and install BOC signage to the three cages, pipework, etc. As directed by BOC.	1	Item		
6.00	MECHANICAL				
	Contractors Design Portion				
6.01	The works in this section comprise the design and installation of the mechanical 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				
	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.				
	B22 Dry Lab				
6.02	Supply and install 1/2 inch stainless steel pipework, from Cylinders 1 and 2. The pipework is to be fixed through the blank window panel and run above the suspended ceiling to the other side of the room. Refer to drawing for pipework run. Allow for: - Cylinder 1 (N2): 12 LM - Cylinder 2 (He): 12 LM	1	Item		

BEAMS - SW2215 KLB Specialist Gas Supply

		Quantity	Unit	Rate	Total

BEAMS - SW2215 KLB Specialist Gas Supply

		Quantity	Unit	Rate	Total
6.03	<p>OB09 Dry Lab Supply and install 1/2 inch stainless steel pipework, from Cylinders 2, 4 and 5. The pipework is to be fixed through the existing pipework penetration in the base of the window frame. Refer to drawing for pipework run. Allow for:</p> <p>- Cylinder 3 (CO): 12 LM - Cylinder 4 (CO2): 12 LM - Cylinder 5 (Ar): 12 LM</p>	1	Item		
6.04	<p>OB12 Dry Lab Supply and install 1/2 inch stainless steel pipework, from Cylinder 6 (He). The pipework is to be fixed through the blank window panel and above the suspended ceiling. Refer to drawing for pipework run. Allow for:</p> <p>- Cylinder 6 (Ar): 24 LM</p>	1	Item		
6.07	<p>Earthing Install earthing to all the above.</p>	1	Item		
6.08	<p>Extra Pipework From The Two Cylinder Cage Allow 8Lm of additional pipework for the cylinders located in the two cylinder cage. One cylinders is argon (Ar) and the other cylinder is argon (Ar) with Helium (He) mix.</p>	8	LM		
7.00	REGULATORS AND MANIFOLDS				
7.01	<p>BOC Services Manager The Principal Contractor is to place an order for regulators and manifolds through the onsite BOC Services Manager based at UCL. The BOC representative is to confirm the order for the proposed regulators and manifolds. Instruction to be issued by the Contract Administrator.</p> <p>Contact Details:</p> <p>Name: Jim Kirkland Landline: 0207 299 7780 Mobile: 07508701083 Email: Jim.kirkland@boc.com</p> <p>Allow for the following cylinders:</p>				
A	Cylinder 1 (N2)	1	Nr		
B	Cylinder 2 (He)	1	Nr		
C	Cylinder 3 (CO)	1	Nr		
D	Cylinder 4 (CO2)	1	Nr		
E	Cylinder 5 (Ar)	1	Nr		
F	Cylinder 6 (Ar with He mix).	1	Nr		

BEAMS - SW2215 KLB Specialist Gas Supply

		Quantity	Unit	Rate	Total

BEAMS - SW2215 KLB Specialist Gas Supply

		Quantity	Unit	Rate	Total
8.00	<p>SIGNAGE</p> <p>BOC Pipeline Markers, Cylinder Information and Direction Arrows The Principal Contractor is to place an order for signage through the onsite BOC Services Manager based at UCL. The BOC representative is to confirm the order for the proposed signage.</p>				
8.01	<p>Contact Details:</p> <p>Name: Jim Kirkland Landline: 0207 299 7780 Mobile: 07508701083 Email: Jim.kirkland@boc.com</p> <p>Signage to be British Standard. Signage to be: pipeline markers, directional flow pipe arrows and cylinder information tags. Install signage. Allow for the order and installation.</p>				
8.02	<ul style="list-style-type: none"> - Nitrogen to cylinder 1. - Helium to cylinder 2. - Carbon Monoxide to cylinder 3. - Carbon Dioxide to cylinder 4. - Argon to cylinder 5. - Argon with helium mix to cylinder 6. 	1	Item		
9.00	<p>TESTING & COMMISSIONING</p>				
9.01	<p>Mechanical 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.</p>	1	Item		
10.00	<p>BUILDERS WORK IN CONNECTION (BWIC)</p>				
10.01	<p>Mechanical Allow for builders work in connection with the 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. This is to allow 1/2 inch pipes to pass through (Subject to asbestos report and Listed Building Consent - TBC).</p>	1	Item		
11.00	<p>RAMPS</p>				
11.01	<p>New Bespoke Metal Ramp Principal Contractor to provide shop drawings of a bespoke ramp. Size of the ramp to be: 650mm Wide x 1600mm Long x 230mm high and 1:12 gradient. The top of the ramp is to be checker plate. The feet to be included on the top of the ramp. No handles to be included. The ramp is to clear is the existing manhole cover. The ramp and have hand slits at both ends so that the ramp can be handled and temporary moved to allow access to the manhole. Leave ready for redecorations. Bespoke ramp is to be reviewed by the Contract Administrator.</p>	1	Nr.		
	<p>Nosing to Existing Ramp Steps</p>				

BEAMS - SW2215 KLB Specialist Gas Supply

		Quantity	Unit	Rate	Total
11.02	Supply and install Gradus TEX11 heavy-duty aluminium stair system nosing (straight riser) with Firestorm - Trans-Edge insert (colour: yellow) and TEXR1 ramp attachment, to three steps located at the bottom of the ramp. Cut each nosing to suit length of step. Size: Allow 1:5LM for each step. Install to manufacturers instructions.	4.5	LM		

BEAMS - SW2215 KLB Specialist Gas Supply

		Quantity	Unit	Rate	Total
12.00	DECORATIONS				
	Existing Concrete Ramp				
12.01	Prepare the existing concrete ramp and steps by jet washing and removing all dirt. Mosses and the like. Ensure surface is ready to receive floor paint.	13	LM		
12.02	Apply Watco Safety Grip Cold Cure with quartz mix, to the existing ramp and steps. Apply as to manufacturers instructions. Do not apply below zero degrees. Colour to be Safety Green. Subject to Listed Building Consent.	13	LM		
12.03	Deleted				
	New Bespoke Metal Ramp				
12.04	The paint finish is to be decorated with hammarite exterior paint or similar. Colour: Black. Quartz mix is to be added to paint when decorating the checker plate for added none slip.	1	Item		
13.00	OTHER				
	Fire Batts				
13.01	Allow a Provisional Sum of £2,000 for install fire batts, to UCL document TN066. Note: the Contractor is provide three quotes from the approved of contractors contained within the document, to the Contract Administrator. Works to be confirmed by Contract Administrator.	1	Prov. Sum	2,000	2,000
	Other Items				
13.02	Please list any other items required to complete the work				
SCHEDULE OF WORKS TOTAL TO COLLECTION:					2000.00