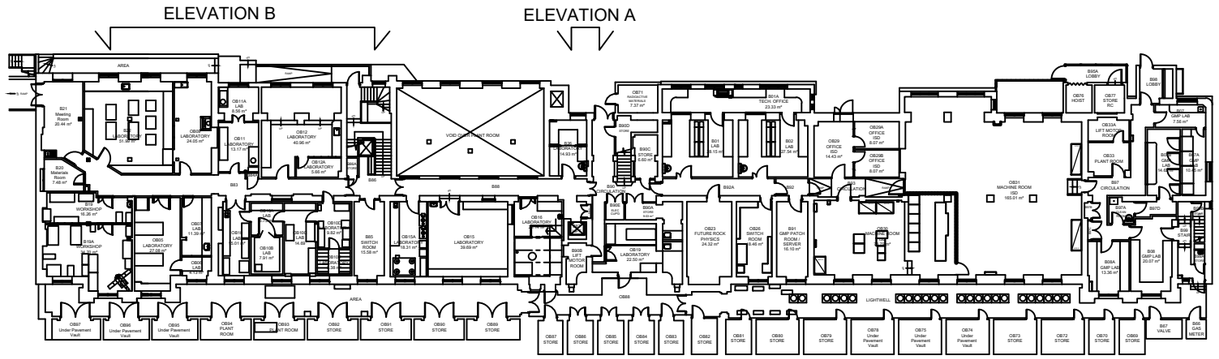
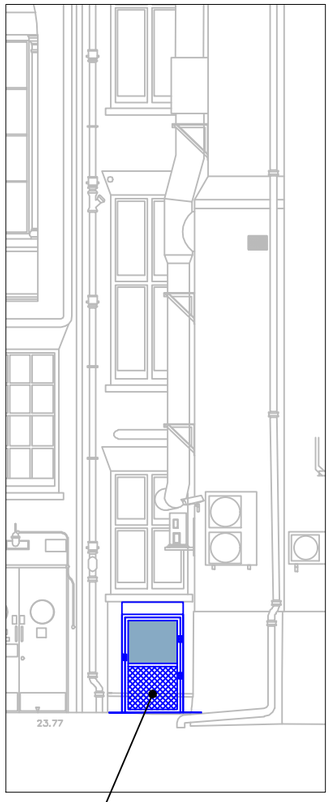


1 EXTRACT PLAN
Scale: 1:250

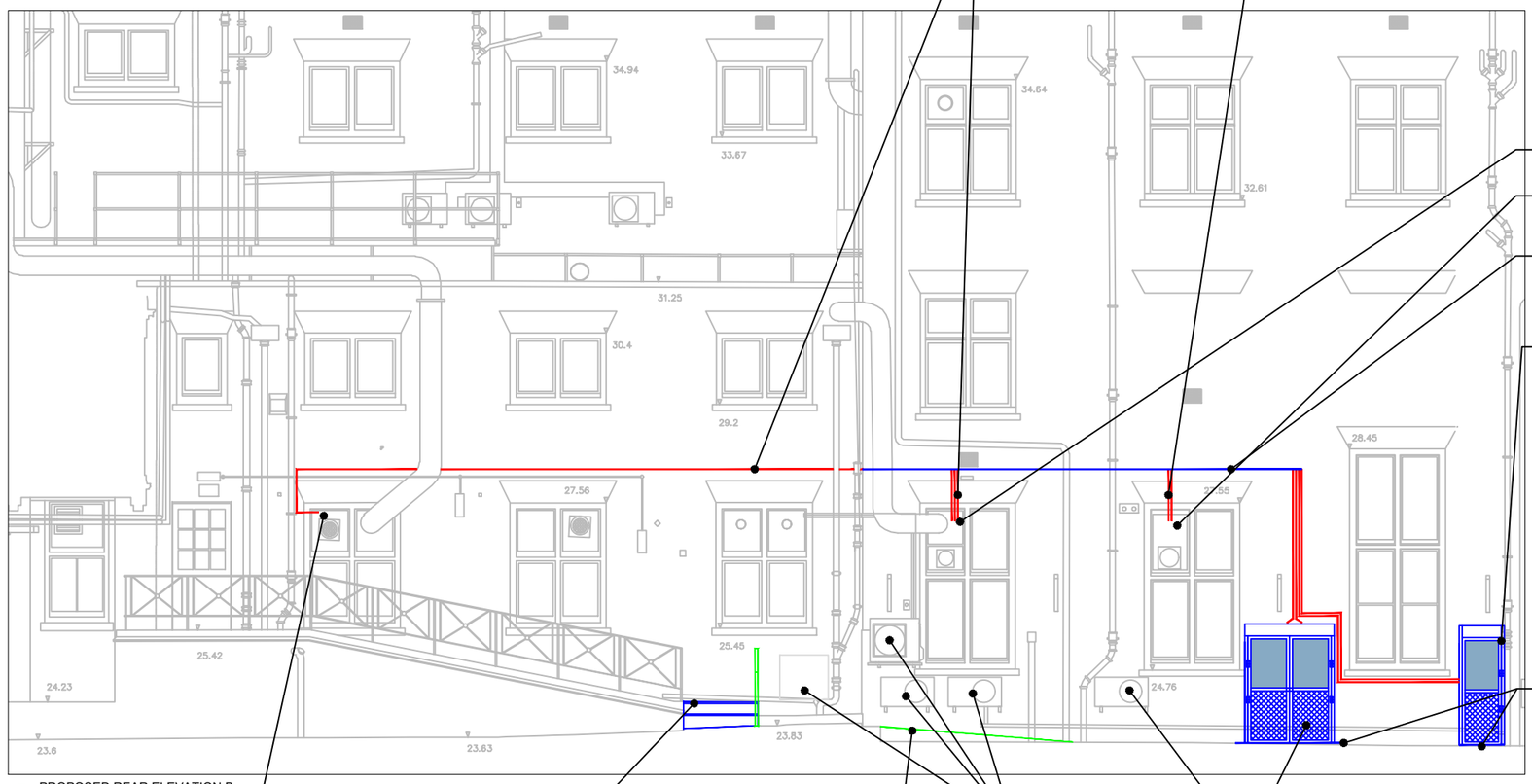
Proposed specification aligned to above presented scope:

Equipment/Materials

Item	Description	QTY
1	GasArc Lab Master LGM5010 Series – Single cylinder manifold - 0-10bar (Inert)	5
	GasArc Chem Master SGM6021 Series – Single cylinder manifold (Carbon Monoxide)	1
2	GasrArc Lab Master LGB5001 Series – Secondary Regulator Outlet 0-4bar	5
	GasArc Chem Master SGU6301 Series - Secondary Regulator Outlet 0-4bar	1
3	4-Cylinder/Manifold enclosure - L: 1500mm x D: 450mm x H: 1800mm (front) and 2000mm (rear), inclusive of racking. Powder coated BLACK	1
4	2-Cylinder/Manifold Enclosure - L: 760mm x D: 450mm x H: 1800mm (front) and 2000mm (rear), inclusive of racking. Powder coated BLACK	1
5	3-cylinder storage only cage L: 1000mm x D: 450mm x H: 1600mm, inclusive of racking. Powder coated white BLACK	1
6	Swagelok decreased tube ½" x 6m stainless steel 316L	15
7	Swagelok decreased twin ferrule mechanical fittings	Multiple
8	Swagelok stainless steel fittings ½"	80
9	Consumables	Multiple



2 PROPOSED REAR ELEVATION A
Scale: 1:50



3 PROPOSED REAR ELEVATION B
Scale: 1:50

RED LINES DENOTES THE NEW ¾ INCH GAS SUPPLY PIPEWORK TO THE 3 LABORATORIES. PIPEWORK TO BE FITTED DIRECTLY TO MASONRY WALL USING STAINLESS STEEL MOUNTING BRACKETS,

OB09 WINDOW: CARBON MONOXIDE, CARBON DIOXIDE AND ARGON TO ROOM OB09. PIPEWORK THROUGH WINDOW BLANK

B22 WINDOW: NITROGEN AND HELIUM TO ROOM B22. PIPE WORK THROUGH WINDOW BLANK.

BLUE LINE DENOTES CABLE TRAY SYSTEM - AITKENS HDT9 CABLE TRAY SYSTEM 225MM WIDE AND 50MM IN DEPTH. CABLE TRAY TO BE POWDER COATED IN BLACK. CABLE TRAY TO BE FIXED TO BRICKWORK USING NEW FIXING BRACKETS

LOCATION OF 2-CYLINDER CAGE SUPPLYING ROOM B22

2-CYLINDER CAGE STORE TO FIT BETWEEN WINDOWS AND TO CONSIST OF:

CYLINDER 1 : NITROGEN (N2) BE PIPED INTO ROOM B22
CYLINDER 2 : HELIUM (HE) TO BE PIPED INTO ROOM B22

THE NEW CYLINDER CAGE IS TO BE PAINTED STEEL WITH MESH DOORS AND SLOPING ROOF. THE NEW CYLINDER CAGE IS TO MATCH THE EXISTING CYLINDER STORES LOCATED IN THE IMMEDIATE VICINITY.

SIZE OF CAGE:
760MM (W) X 2000MM (H) X 450MM(D).
CYLINDER CAGE ROOF TO BE SLOPED DOWN. FRONT OF CAGE TO BE 1800MM(H).

CUT SLOTS IN CAGE TO ACCOMMODATE DAIKIN AC PIPE WITHIN CAGE AND ALIGN CAGE AGAINST ELEVATION.

REFER TO DRAWING LB032-SW2215-003 FOR FURTHER INFORMATION

ALL CAGES TO BE SITED ON NEW CONCRETE BASES LEVEL WITH EXISTING GROUND.

LOCATION OF 3-CYLINDER CAGE (FOR STORAGE)

SIZE OF CAGE:
1000MM (W) X 1800MM (H) X 450MM(D).
CYLINDER CAGE ROOF TO BE SLOPED DOWN. FRONT OF CAGE TO BE 1600MM(H).

CUT SLOTS IN CAGE TO ACCOMMODATE WASTE PIPE WITHIN CAGE AND ALIGN CAGE AGAINST ELEVATION.

REFER TO DRAWING LB032-SW2215-002 FOR FURTHER INFORMATION

OB12 WINDOW:I ARGON TO ROOM OB12. PIPEWORK THROUGH WINDOW BLANK.

ALTERATIONS TO LANDING, STEP AND LIGHTWELL

Concrete Landing
Neatly cut out the concrete landing located at the base of the ramp. Size of the landing: L: 1700mm x W: 1380mm x H: 300mm. Relay top with new concrete finish.

Ramp Handrail
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.
Refer to drawing LB032-SW2215-004 for further information

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 and be handled and temporary moved to allow access to the manhole.
Ramp to be painted black.

Nosing to Existing Ramp Steps
New Gradus TEX11 heavy-duty aluminum 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.

ALLOW TO PROTECT THE EXISTING DAIKEN UNITS FOR THE DURATION OF THE PROJECT

LOCATION OF 4-CYLINDER CAGE SUPPLYING ROOMS OB09 & OB12

FOUR-CYLINDER CAGE STORE TO FIT BETWEEN WINDOWS AND TO CONSIST OF:

CYLINDER 3 : CARBON MONOXIDE (CO2) TO BE PIPED INTO ROOM OB09
CYLINDER 4 : CARBON DIOXIDE (CO2) TO BE PIPED INTO ROOM OB09
CYLINDER 5 : ARGON (AR) TO BE PIPED INTO ROOM OB09
CYLINDER 6 : ARGON (AR) TO BE PIPED INTO ROOM OB12

THE NEW CYLINDER CAGE IS TO BE PAINTED STEEL WITH MESH DOORS AND SLOPING ROOF. THE NEW CYLINDER CAGE IS TO MATCH THE EXISTING CYLINDER STORES LOCATED IN THE IMMEDIATE VICINITY.

SIZE OF CAGE:
1500MM (W) X 2000MM (H) X 450MM(D).
CYLINDER CAGE ROOF TO BE SLOPED DOWN. FRONT OF CAGE TO BE 1800MM(H).

CUT SLOTS IN CAGE TO ACCOMMODATE DAIKIN AC PIPE WITHIN CAGE AND ALIGN CAGE AGAINST ELEVATION.

REFER TO DRAWING LB032-SW2215-003 FOR FURTHER INFORMATION

Scale Bar 1:50 0.5 0 0.5 1 2.5 m

Rev	Description	By	QA	DD.MM.YY
T1	TENDER	YM	SL	12.04.2023

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Client
UNIVERSITY COLLEGE LONDON

Project Name
KLB GAS SUPPLY

Project Location
KATHLEEN LONSDALE BUILDING
GOWER STREET
LONDON, WC1E 6BT

Sheet Name
PROPOSED REAR ELEVATION

Project Status
TENDER

Drawing Nr.
LB032-SW2215-102

Scale
As indicated @ A1

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