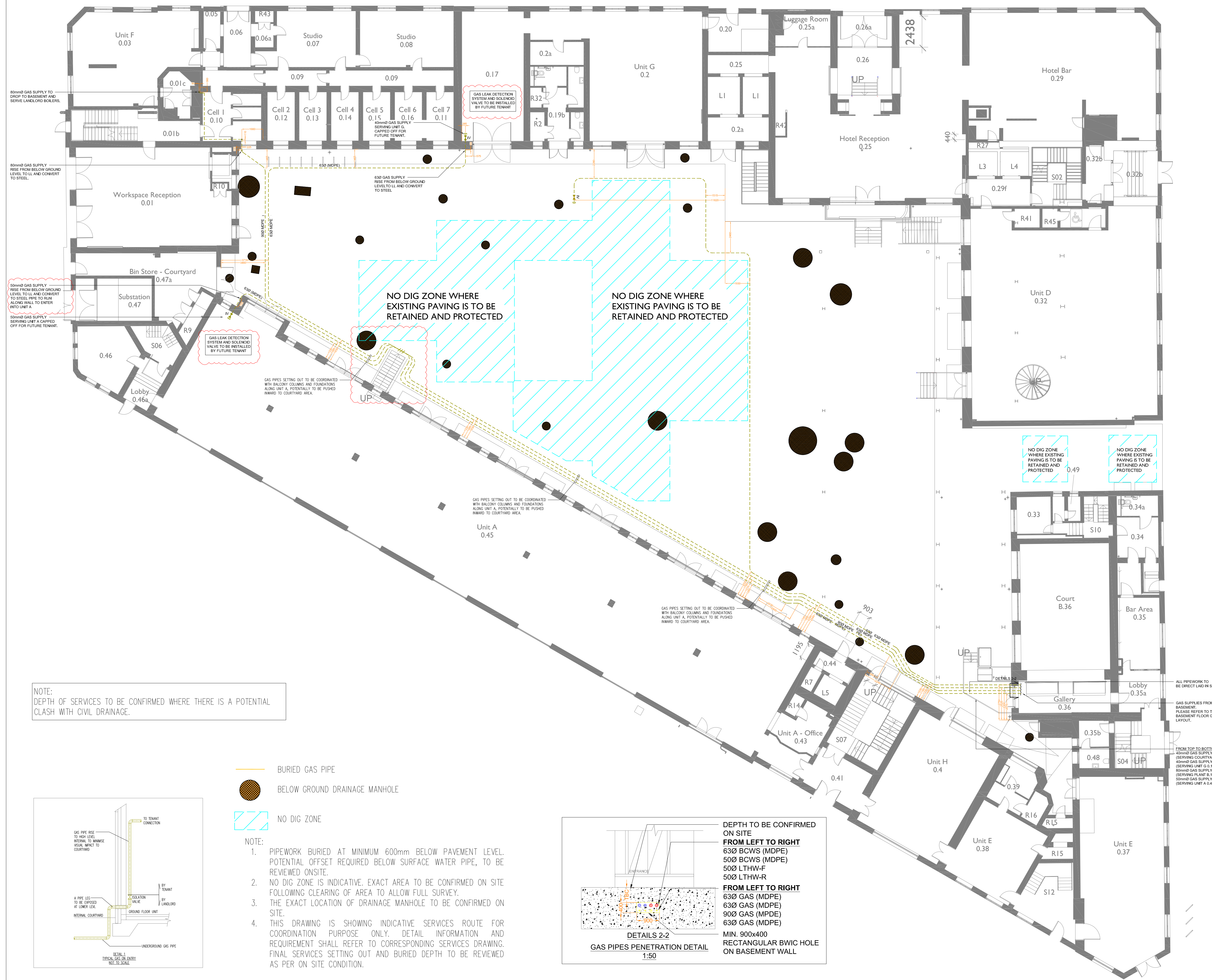
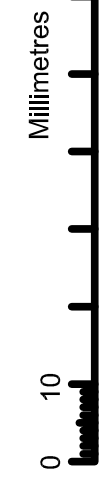
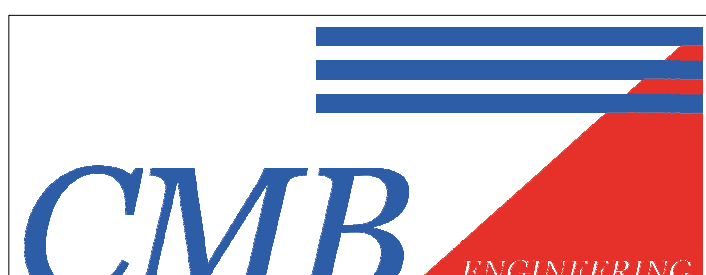
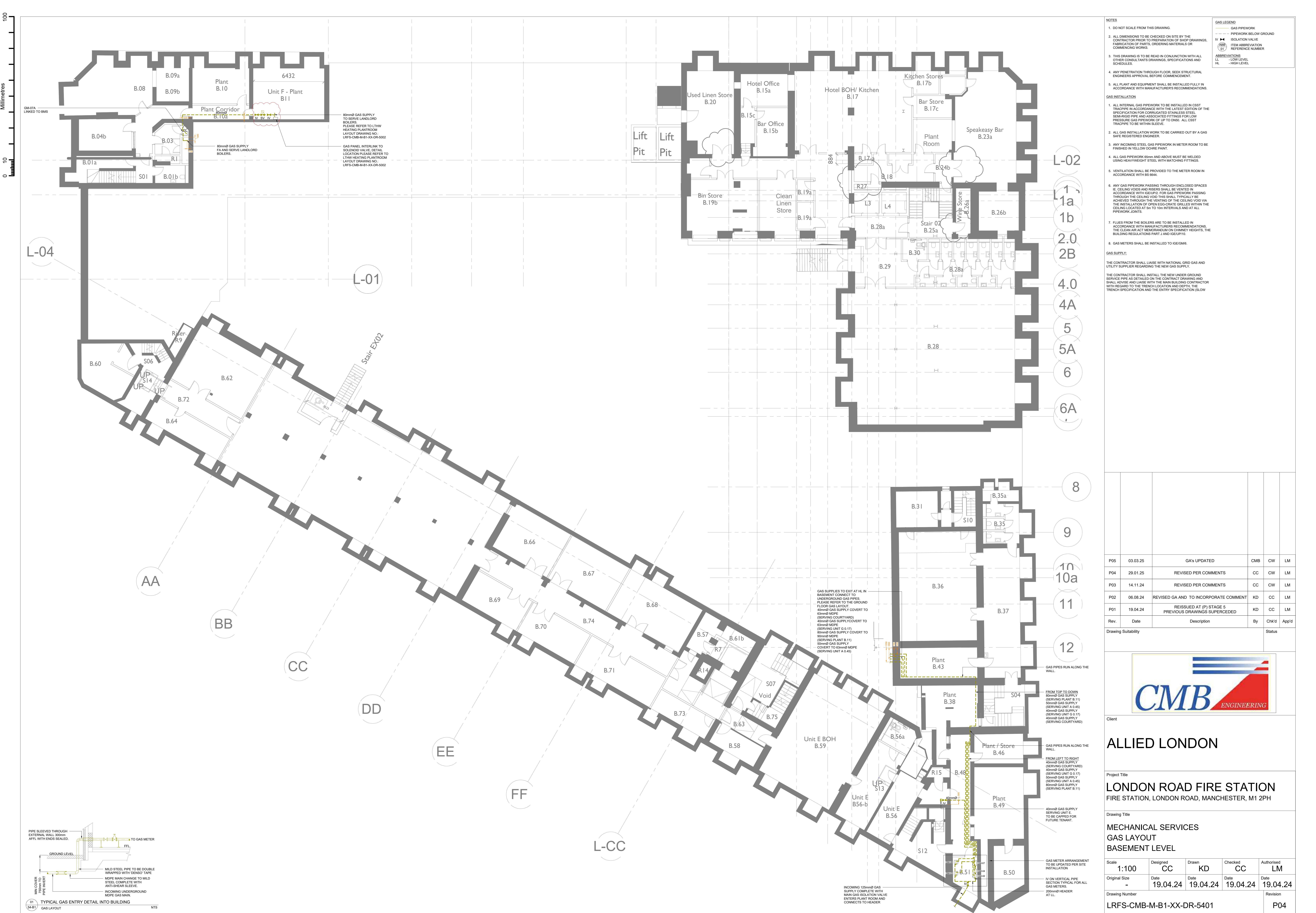
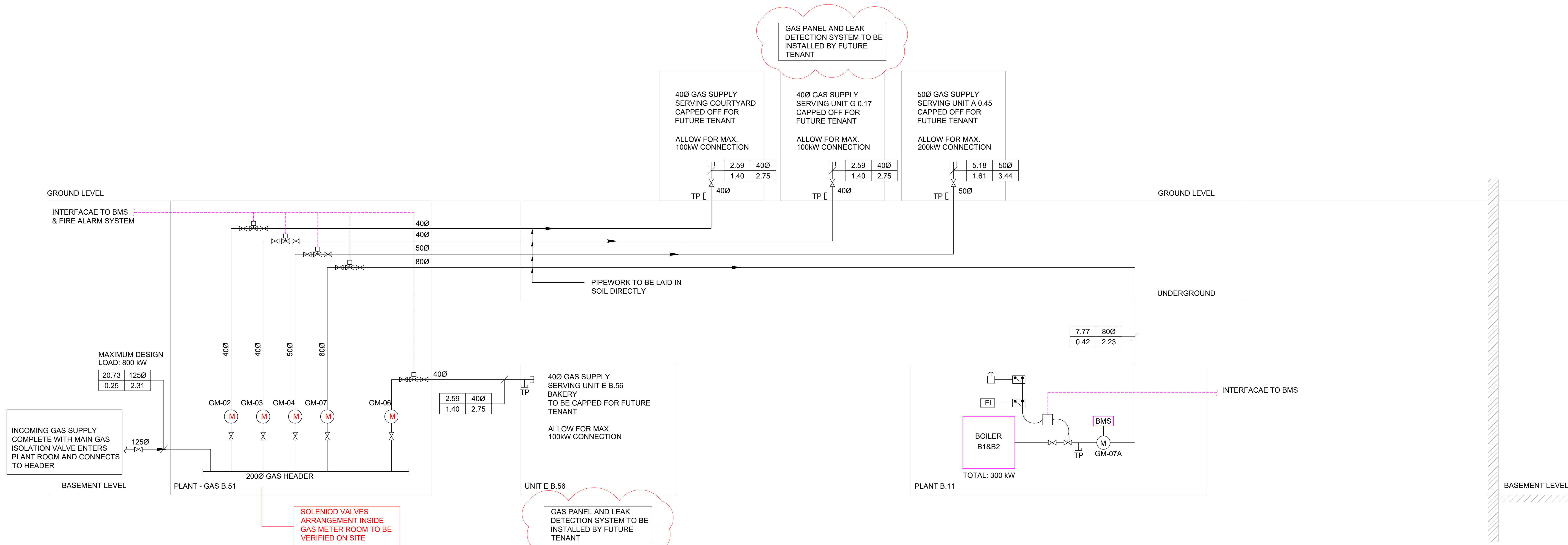




NOTES			GAS LEGEND		
1. DO NOT SCALE FROM THIS DRAWING.			- - - - GAS PIPEWORK		
2. ALL DIMENSIONS TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO PREPARATION OF SHOP DRAWINGS, FABRICATION OF PARTS, ORDERING MATERIALS OR COMMENCING WORKS.			IV ►► PPIPEWORK BELOW GROUND		
3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONSULTANTS' DRAWINGS, SPECIFICATIONS AND SCHEDULES.			ABB □ ITEM ABBREVIATION REFERENCE NUMBER		
4. ANY PENETRATION THROUGH FLOOR, SEEK STRUCTURAL ENGINEERS APPROVAL BEFORE COMMENCEMENT.			ABBREVIATIONS LL • LOW LEVEL HL • HIGH LEVEL		
5. ALL PLANT AND EQUIPMENT SHALL BE INSTALLED FULLY IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.					
GAS INSTALLATION					
1. ALL INTERNAL GAS PIPEWORK TO BE INSTALLED IN CIST TRACPIPE IN ACCORDANCE WITH THE LATEST EDITION OF THE SPECIFICATION FOR CORRUGATED STAINLESS STEEL SEMI-RIGID PIPE AND ASSOCIATED FITTINGS FOR LOW PRESSURE GAS PIPEWORK OF UP TO DN50. ALL CIST TRACPIPE TO BE WITH-IN SLEEVE.					
2. ALL GAS INSTALLATION WORK TO BE CARRIED OUT BY A GAS SAFE REGISTERED ENGINEER.					
3. ANY INCOMING STEEL GAS PIPEWORK IN METER ROOM TO BE FINISHED IN YELLOW OCHRE PAINT.					
4. ALL GAS PIPEWORK 65mm AND ABOVE MUST BE WELDED USING HEAVYWEIGHT STEEL WITH MATCHING FITTINGS.					
5. VENTILATION SHALL BE PROVIDED TO THE METER ROOM IN ACCORDANCE WITH BS 6644.					
6. ANY GAS PIPEWORK PASSING THROUGH ENCLOSED SPACES (E.G. CEILING VOIDS AND RISERS) SHALL BE VENTED IN ACCORDANCE WITH IGEU/P2. FOR GAS PIPEWORK PASSING THROUGH THE CEILING VOID THIS SHALL TYPICALLY BE ACHIEVED THROUGH THE VENTING OF THE CEILING VOID VIA THE INSTALLATION OF OPEN LOGGRATE GRILLES WITHIN THE CEILING LOCATED AT 5m TO 10m INTERVALS AND AT ALL PIPEWORK JOINTS.					
7. FLUES FROM THE BOILERS ARE TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, THE CLEAN AIR ACT MEMORANDUM ON CHIMNEY HEIGHTS, THE BUILDING REGULATIONS PART J AND IGEU/P10.					
8. GAS METERS SHALL BE INSTALLED TO IGEU/M6.					
GAS SUPPLY:					
THE CONTRACTOR SHALL Liaise WITH NATIONAL GRID GAS AND UTILITY SUPPLIER REGARDING THE NEW GAS SUPPLY.					
THE CONTRACTOR SHALL INSTALL THE NEW UNDERGROUND SERVICE PIPE AS DETAILED ON THE CONTRACT DRAWING AND SHALL ADVISE AND Liaise WITH THE MAIN BUILDING CONTRACTOR WITH REGARD TO THE TRENCH LOCATION AND DEPTH, THE TRENCH SPECIFICATION AND THE ENTRY SPECIFICATION (SLOW					
P05	03.03.25	GA's UPDATED	CMB	CW	LM
P04	29.01.25	REVISED PER COMMENTS	CC	CW	LM
P03	14.11.24	REVISED PER COMMENTS	CC	CW	LM
P02	06.08.24	REVISED GA AND TO INCORPORATE COMMENT	KD	CC	LM
P01	19.04.24	REISSUED AT (P) STAGE 5 PREVIOUS DRAWINGS SUPERCEDED	KD	CC	LM
Rev.	Date	Description	By	Chk'd	App'd
Drawing Suitability				Status	
					
Client					
ALLIED LONDON					
Project Title					
LONDON ROAD FIRE STATION					
FIRE STATION, LONDON ROAD, MANCHESTER, M1 2PH					
Drawing Title					
MECHANICAL SERVICES					
GAS LAYOUT					
GROUND FLOOR					
Scale	Designd	Drawn	Checked	Authorised	
1:100	CC	KD	CC	LM	
Original Size	Date	Date	Date	Date	
-	19.04.24	19.04.24	19.04.24	19.04.24	
Drawing Number					Revision
LRF5-CMB-M-00-XX-DR-5401					P05



100
0 10
Millimetres



LEGEND

- EMERGENCY STOP BUTTON
- THERMAL DETECTOR
- GAS SOLENOID
- GAS METER/SUB METER
- GAS ISOLATION
- TEST POINT
- BOILER XX-XX

CROSSHAIR LEGEND:

- DIAMETER (mmØ)
- FLOW RATE (l/s)
- HEADLOSS (Pa/m)
- VELOCITY (m/s)

- NOTES
- DO NOT SCALE FROM THIS DRAWING
 - ALL DIMENSIONS TO BE CHECKED ON SITE PRIOR TO FABRICATION OF PARTS, ORDERING MATERIALS OR COMMENCING WORKS
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONSULTANTS DRAWINGS, SPECIFICATIONS AND SCHEDULES
 - ANY PENETRATION THROUGH FLOOR, SEEK STRUCTURAL ENGINEERS APPROVAL BEFORE COMMENCEMENT.
 - ALL PLANT AND EQUIPMENT SHALL BE INSTALLED FULLY IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

GAS INSTALLATION

- ALL INTERNAL GAS PIPEWORK SHALL BE OF HEAVY GRADE STEEL TO BS EN 10255.
PIPEWORK UP TO AND INCLUDING 50MM SHALL BE EITHER WELDED OR SCREWED, PIPEWORK ABOVE 65MM SHALL BE FULLY WELDED.
WELDED FLANGES SHALL BE KEPT TO AN ABSOLUTE MINIMUM.
- ALL GAS INSTALLATION WORK TO BE CARRIED OUT BY A GAS SAFE REGISTERED ENGINEER.
- ANY INCOMING STEEL GAS PIPEWORK IN METER ROOM TO BE FINISHED IN YELLOW OCHRE PAINT.
- ALL GAS PIPEWORK 65mm AND ABOVE MUST BE WELDED USING HEAVYWEIGHT STEEL WITH MATCHING FITTINGS
- VENTILATION SHALL BE PROVIDED TO THE METER ROOM IN ACCORDANCE WITH BS6644.
- ANY GAS PIPEWORK PASSING THROUGH ENCLOSED SPACES (E. CEILING VOIDS AND RISERS SHALL BE VENTED IN ACCORDANCE WITH IGE/UP/2. FOR GAS PIPEWORK PASSING THROUGH THE CEILING VOID THIS SHALL TYPICALLY BE ACHIEVED THROUGH THE VENTING OF THE CEILING VOID VIA THE INSTALLATION OF OPEN LOG-CRATE GRILLES WITHIN THE CEILING LOCATED AT 5m TO 10m INTERVALS AND AT ALL PIPEWORK JOINTS.
- FLUES FROM THE BOILERS ARE TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, THE CLEAN AIR ACT MEMORANDUM ON CHIMNEY HEIGHTS, THE BUILDING REGULATIONS PART J AND IGE/UP/10.
- GAS METERS SHALL BE INSTALLED TO IGE/OM/6

GAS SUPPLY

IT SHALL BE LIAISED WITH NATIONAL GRID GAS AND UTILITY SUPPLIER REGARDING THE NEW GAS SUPPLY.
THE NEW UNDER GROUND SERVICE PIPE AS DETAILED ON THE DRAWING SHALL BE COORDINATED WITH THE MAIN BUILDING CONTRACTOR WITH REGARD TO THE ROUTING, LOCATION AND DEPTH, THE TRENCH SPECIFICATION AND THE ENTRY SPECIFICATION (SLOW RADIUS BEND REQUIREMENTS) TO THE SERVICE.

PRESSURE TESTING

TEST CONCEALED OR BURIED PIPE WORK BEFORE ANY PERMANENT COVERING IS APPLIED.
TEST AND PURGE GAS PIPELINES IN ACCORDANCE WITH BS 6891 AND IGE/UP/1A.

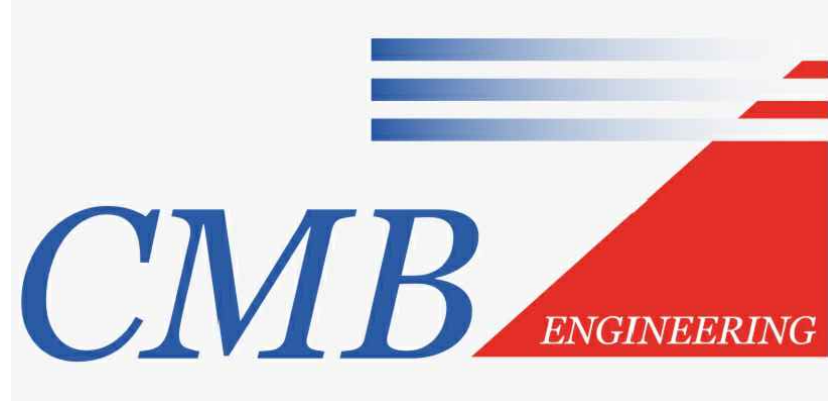
REGULATIONS AND STANDARDS

GAS PIPEWORK:
PLASTICS FOR EXTERNAL PIPEWORK TO BS EN 1555.
MOPE (YELLOW)
SUPPLY PIPE SIZE TDC:
HSE L56 - THE GAS SAFETY (INSTALLATION AND USE) REGULATIONS 1998 ACOP.
INSTALL GAS PIPE WORK IN BALCONIES IN ACCORDANCE WITH BS EN 1775.
GAS SERVICE IGE/TO/1A.
SUPPLY AND INSTALL GAS PRESSURE PIPE WORK FOR INDUSTRIAL AND COMMERCIAL PREMISES TO IGE/UP/2.

P03	18.01.24	REVISED PER COMMENTS	CC	CW	LM
P02	14.11.24	REVISED PER COMMENTS	CC	CW	LM
P01	19.04.24	REISSUED AT (P) STAGE 5 PREVIOUS DRAWINGS SUPERCEDED	JH	CC	LM
Rev.	Date	Description	By	Chk'd	App'd

Drawing Suitability

STAGE 5 - FOR CONSTRUCTION



Client

ALLIED LONDON

Project Title
LONDON ROAD FIRE STATION
FIRE STATION, LONDON ROAD, MANCHESTER, M1

Drawing Title
MECHANICAL SERVICES
GAS SERVICES SCHEMATIC

Scale	NTS	Designed	CC	Drawn	KD	Checked	CC	Authorised	LM
Original Size	A0	Date	19.04.24	Date	19.04.24	Date	19.04.24	Date	19.04.24

Drawing Number
LRFS-CMB-M-XX-XX-SC-5401

Revision
P03