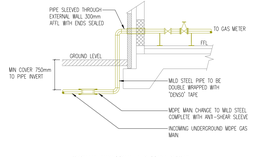
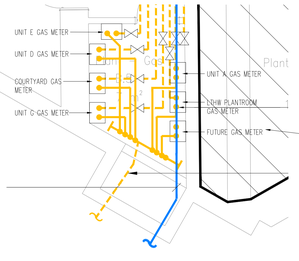
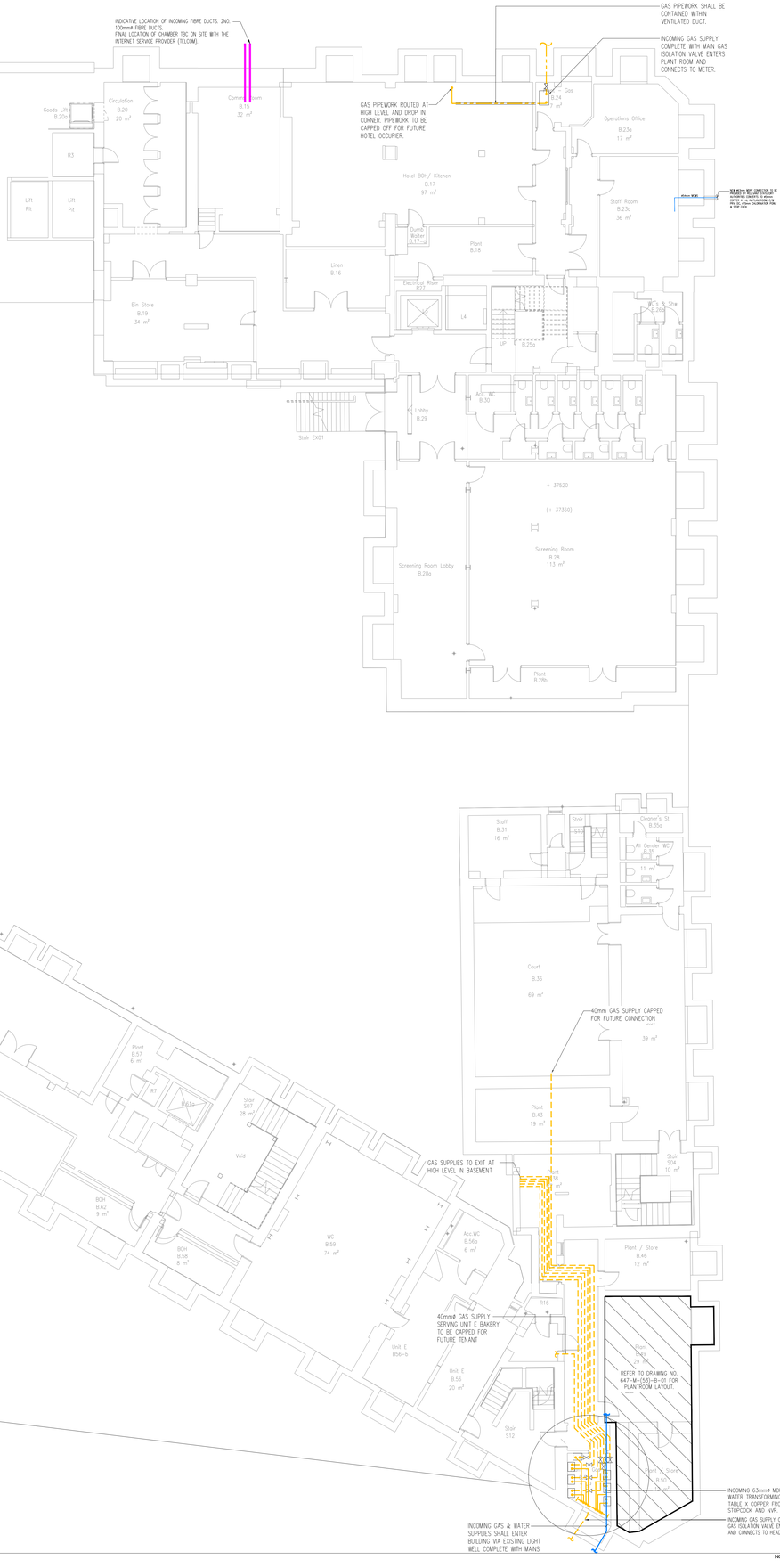


TYPICAL WATER ENTRY DETAIL INTO BUILDING



TYPICAL INCOMING GAS MAIN DETAIL NOT TO SCALE





NOTES

1. DO NOT SCALE FROM THIS DRAWING
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
3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONSULTANTS DRAWINGS, SPECIFICATIONS AND SCHEDULES.
4. ANY PENETRATION THROUGH FLOOR, SEEK STRUCTURAL ENGINEERS APPROVAL BEFORE COMMENCEMENT.
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 CSST 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 CSST TRACPIPE TO BE WITHIN 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 DOMPE 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 BS6644.
6. ANY GAS PIPEWORK PASSING THROUGH ENCLOSED SPACES IE. 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 EGG-CRATE 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 IGE/UP/10.
8. GAS METERS SHALL BE INSTALLED TO IGE/GM/8

GAS SUPPLY:

THE CONTRACTOR SHALL LIAISE WITH NATIONAL GRID GAS AND UTILITY SUPPLIER REGARDING THE NEW GAS SUPPLY.

THE CONTRACTOR SHALL INSTALL THE NEW UNDER GROUND 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 (LOW RADIUS BEND REQUIREMENTS) TO THE SERVICE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL THE NECESSARY STATUTORY BODY APPROVALS BEFORE THE INSTALLATION IS COMPLETED.

PRESSURE TESTING:

ADVISE APPROPRIATE PERSONNEL AT LEAST 3 DAYS IN ADVANCE, OF THE TIME THAT PRESSURE TESTS MAY BE WITNESSED.
TEST CONCEALED OR BURIED PIPE WORK BEFORE ANY PERMANENT COVERING IS APPLIED.
TEST AND PURGE GAS PIPELINES IN ACCORDANCE WITH BS 6891AND IGE/UP/1A.

- THE CONTRACTOR MUST PROVIDE A TEST CERTIFICATE ON COMPLETION.

REGULATIONS AND STANDARDS:

GAS PIPEWORK:
PLASTICS FOR EXTERNAL PIPEWORK TO BS EN 1555.
MDPE (YELLOW)
SUPPLY PIPE SIZE TBC
HSE L56 – THE GAS SAFETY (INSTALLATION AND USE) REGULATIONS1998 ACOP.
INSTALL GAS PIPE WORK IN BUILDINGS IN ACCORDANCE WITH BS EN 1775.
GAS SERVICE IGE/TD/4.
SUPPLY AND INSTALL GAS PRESSURE PIPE WORK FOR INDUSTRIAL AND COMMERCIAL PREMISES TO IGE/UP/2.

LEGEND

- ISOLATION VALVE
- PB PUSH BUTTON
- GAS SUPPLY PIPE
- GAS SUPPLY PIPE IN FLOOR VOID
- GAS SUPPLY PIPE IN CV

FOR COMMENT NOT FOR SITE USE

Date	Description	Rev	Drn	Chd
31.05.22	TENDER ISSUE	T2	LM	SJ
07.02.22	TENDER ISSUE	T1	LM	AF

Revision Description

CONSOLUX
CONSOLUX M&E CONSULTING LTD.
MECHANICAL & ELECTRICAL CONSULTING ENGINEERS
London Office
35 Piccadilly
London W1J 0DW
Tel: +44 (0)207 734 3030
Fax: +44 (0)207 617 7385
Liverpool Office
The Cotton Exchange
Liverpool L3 9JR
Tel: +44 (0)151 708 9669
Fax: +44 (0)151 709 7186
mail@consolux.co.uk www.consolux.co.uk

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

Drawing Title:
M&E INCOMING SERVICES
BASEMENT LEVEL

Date:	Design By:	Drawn By:	Scale:
JAN 22	AF	MM	1:100

Issue Status:
TENDER

Drawing Number: 647-M-(70)-B1-01
Rev: T2

DRAWING TO BE READ WITH CONSOLUX SPECIFICATION

XREF Updated on: 04.11.21

NOTE: This drawing is the copyright of Consolux M&E Consulting Limited and may not be used without its prior written consent.
Written dimensions to be taken in preference to scaled dimensions. Do not scale these drawings.