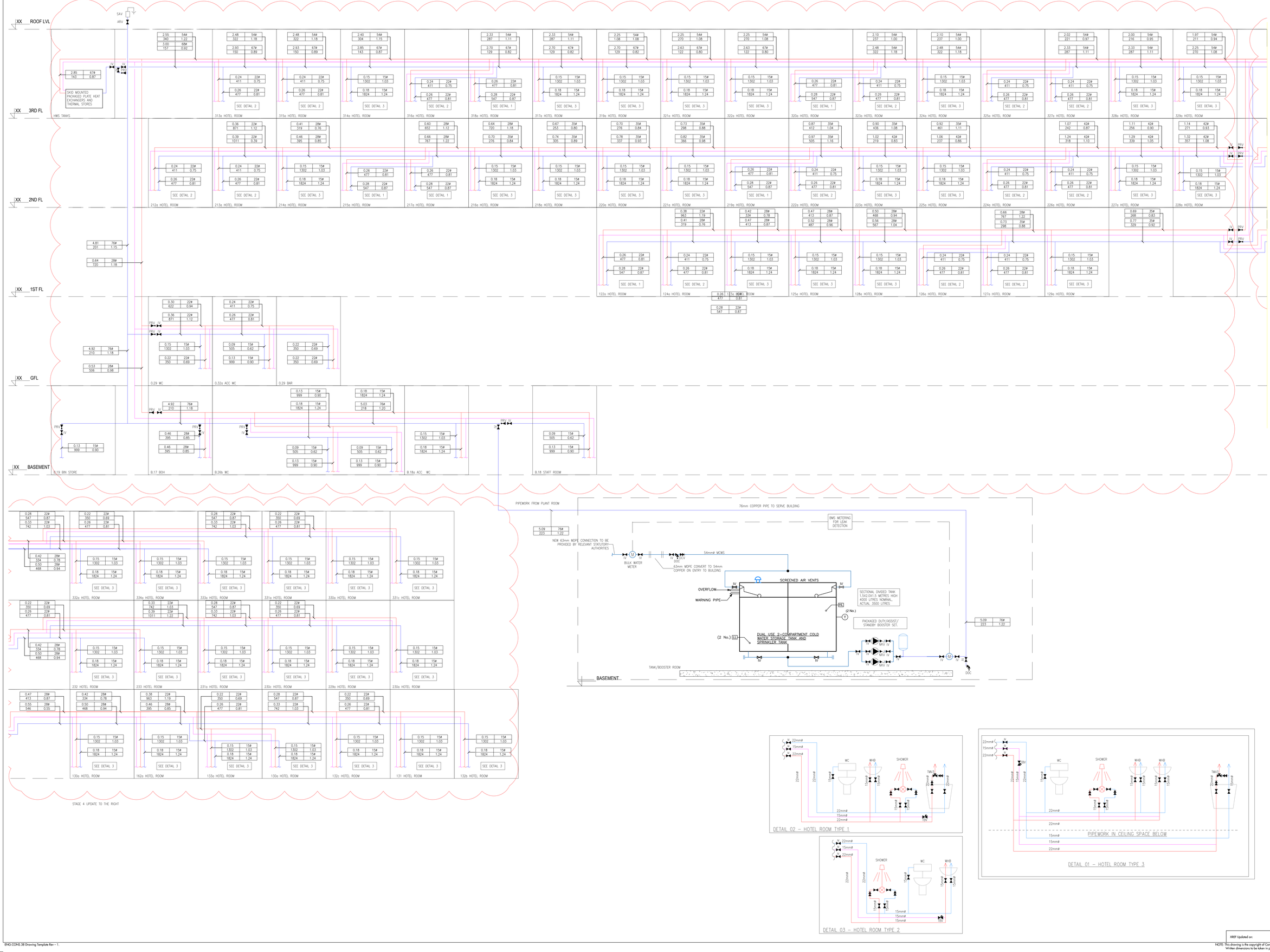


NOTES

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.

HOT & COLD WATER SERVICES INSTALLATION

1. ALL DOMESTIC WATER SERVICES PIPEWORK IS TO BE INSTALLED IN COPPER WITH A THICKNESS IN ACCORDANCE WITH BS2871 TABLE X.
2. ALL EXPOSED PIPEWORK IN KITCHEN AND BATHROOM AREAS SHALL BE CHROMED.
3. ALL FITTINGS USED WITHIN THE DOMESTIC WATER SYSTEM SHALL BE WRAS APPROVED AND SUITABLE FOR USE IN A POTABLE WATER ENVIRONMENT.
4. BACKFLOW PREVENTION SHALL BE PROVIDED WITHIN ALL WATER CONNECTIONS TO DISHWASHERS, WASHING MACHINES AND SHOWERS IN THE FORM OF DOUBLE CHECK VALVES.
5. EXCESSIVE MAINS WATER PRESSURE AT THE POINT OF USE SHALL BE MITIGATED THROUGH THE USE OF PRESSURE REDUCING VALVES IF NECESSARY.
6. BALLOFIX ISOLATION VALVES SHALL BE INSTALLED WITHIN THE DOMESTIC WATER SERVICES PIPEWORK TO EACH OUTLET. THESE SHALL BE LOCATED AS CLOSE AS POSSIBLE TO THE OUTLET AND THE VALVE ACTUATION SHALL BE ORIENTATED FOR EASE OF ISOLATION.
7. ALL DOMESTIC WATER SERVICES PIPEWORK SHALL BE INSULATED WITH FOIL FACED MINERAL FIBRE SECTIONS TO BS 5958. IN ADDITION ANY PIPEWORK WITHIN EXTERNAL OR UNHEATED SPACES SHALL BE DOUBLE INSULATED AND IF THERE IS A RISK OF FREEZING TRACE HEATED.
8. FIRE STOPPING IS TO BE PROVIDED AT ALL INSTANCES WHERE PIPEWORK PASSES THROUGH A FIRE COMPARTMENT.
9. DISCHARGE FROM ALL SAFETY AND RELIEF VALVES ARE TO DISCHARGE TO DRAIN VIA A TUNDISH WITH A VISIBLE AIR GAP IN A SAFE AND CONSPICUOUS LOCATION.
10. ALL NEW MAINS PIPEWORK IS TO BE PROVIDED WITH IDENTIFICATION TO BS 1710, INCLUDING DIRECTION OF FLOW AT REGULAR INTERVALS (MAX 5m).
11. ALL HOT & COLD WATER SERVICES TO BE FLUSHED & STERILIZED IN ACCORDANCE WITH BS EN 806.
12. ALL PIPEWORK TO BE BOXED IN TO ARCHITECT'S REQUIREMENT.
13. ALL SANITARY WARE, TAPS, SHOWER MIXERS, SHOWER HEADS ETC TO BE INSTALLED AS SPECIFIED BY ARCHITECT.

SYMBOLS LEGEND

- MAINS COLD WATER (MCWS)
- BOOSTED COLD WATER SERVICES (BCWS)
- WATER METER
- ISOLATION VALVE
- STOPCOCK
- PRESSURE REDUCING VALVE
- AUTOMATIC AIR VENT
- DOUBLE CHECK VALVE
- CHECK VALVE
- DIFFERENTIAL PRESSURE SWITCH
- NON-RETURN VALVE
- DRAIN OFF COCK
- DRAIN OFF COCK
- STRAINER
- SURGE ARRESTOR VALVE
- THERMAL BALANCING VALVE

ABBREVIATIONS

P/W	– PIPE WORK
LVL	– LOW LEVEL
RTA	– RISE TO ABOVE
FB	– FROM BELOW
CV	– CEILING VOID
DTLL	– DROP TO LOW LEVEL

CROSSHAIR LEGEND:

DIAMETER (mm)

FLOW RATE (l/s) X.XX XX#

HEADLOSS (Pa/m) XXX X.XX

VELOCITY (m/s)

FOR COMMENT NOT FOR SITE USE

Date	Description	Rev	Drn	Chd
11.04.22	TENDER ISSUE	T4	LM	RG
07.02.22	TENDER ISSUE	T3	LM	AF
02.06.21	TENDER ISSUE	T2	AM	AF
21.05.21	TENDER ISSUE	T1	AM	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 9469. Fax: +44 (0)151 709 7186
mail@consolux.co.uk www.consolux.co.uk

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

Drawing Title:
DOMESTIC SERVICES SCHEMATIC HOTEL

Date:	Design By:	Drawn By:	Scale:
APRIL 21	AF	GT	NTS

Issue Status:
TENDER

Drawing Number: 647-M-(53)-SCH-02 Rev: T4

DRAWING TO BE READ WITH CONSOLUX SPECIFICATION

XREF Updated on:

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.