TYPICAL CONNECTION SIZES		
DIA. (mm)	APPLIANCE	MAX LENGTH OF PIPE (m)
DN32	WASHBASIN	1.7
DN40	WASHBASIN	3
DN40	BATH/SHOWER	3
DN50	BATH/SHOWER	4
DN40	KITCHEN SINK	3
DN50	KITCHEN SINK	4
DN40	DISHWASHER/ WASHING MACHINE	3
DN110	WC	6

NOTES

1. DO NOT SCALE FROM THIS DRAWING
2. ALL DIMENSIONS HAVE BEEN 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. ALL PENETRATION THROUGH FLOOR, HAVE BEEN APPROVED BY STRUCTURAL ENGINEERS BEFORE COMMENCEMENT.
5. ALL PLANT AND EQUIPMENT ARE INSTALLED FULLY IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

ABOVE GROUND DRAINAGE INSTALLATION

1. ALL SVPS FITTED WITH ACCESS DOOR 1100mm ABOVE FFL.
2. ALL SANITARY APPLIANCES MUST BE FITTED WITH RE-SEALING BOTTLE OR TUBULAR TRAPS AS MANUFACTURER MCALPINE OR EQUIVALENT AND APPROVED. WHB–BOTTLE TRAP, SINK–TUBULAR TRAP.
3. ALL 110 UPVC STUB STACKS TERMINATE WITH AAV ABOVE FLOOD LEVEL IN VENTILATED PLUMBING DUCT.
4. THE ARCHITECT TO CONFIRM ALL STACK RISER POSITIONS & PROVIDE BOXING DETAILS NECESSARY.
5. ALL PLASTICS SOIL & ABOVE FITTED WITH FIRE COLLAR AT ALL FIRE COMPARTMENT WALLS & FLOORS.
6. ALL VISIBLE PIPEWORK AND WASTE FITTINGS & PIPEWORK TO BE CHROME PLATED OR AS ARCHITECTS INSTRUCTIONS
7. ALL SVPs TO PENETRATE SLAB
8. ALL SVPs TO BE 110mmø NOMINAL SIZE
9. ALL ABOVE GROUND DRAINAGE SHALL COMPLY WITH THE REQUIREMENTS OF BS EN 12056 & BUILDING REGULATIONS APPROVED DOCUMENT PART H.
10. THE CONTRACTOR SHALL ENSURE THAT ALL RODDING EYES ARE FULLY ACCESSIBLE FOR MAINTENANCE PURPOSES.
11. THE CONTRACTOR SHALL ALLOW TO MAKE ALL FINAL CONNECTIONS TO SANITARY WARE & ITEMS OF EQUIPMENT.
12. RODDING ACCESS IS SHOWN INDICATIVE THROUGHOUT. THE CONTRACTOR IS TO INCLUDE FOR RODDING/ACCESS PANELS WHERE PRACTICAL & NECESSARY.
13. CONDENSATE DISCHARGE PIPE SHOULD BE CONNECTED TO AN INTERNAL "GRAVITY DISCHARGE POINT" SUCH AS AN INTERNAL SOIL STACK (PREFERRED METHOD). EXTERNAL PIPES FROM SINK WASTES OR WASHING MACHINE OUTLETS SHOULD BE A MINIMUM OF 30MM INTERNAL DIAMETER, INSULATED WITH WATERPROOF UV RESISTANT MATERIAL, TERMINATED BELOW THE GRID BUT ABOVE THE WATER LINE AND A SUITABLE DRAIN/LEAF GUARD FITTED. IF AN INTERNAL POINT ISN'T POSSIBLE, THE INSTALLER SHOULD USE A CONDENSATE PUMP CONNECTED TO A SUITABLE INTERNAL CONNECTION POINT SUCH AS AN INTERNAL SOIL STACK (PREFERRED METHOD), INTERNAL KITCHEN OR BATHROOM WASTE PIPE SUCH AS A SINK, BASIN, BATH OR SHOWER WASTE.
14. CONDENSATE DISCHARGE PIPES THAT ARE ROUTED IN AN UNHEATED SPACE SUCH AS A LOFT OR GARAGE SHOULD BE INSULATED TO PREVENT FREEZING.
15. FINAL POSITION OF CHILLED WATER FAN COIL UNITS TO BE AGREED. ROUTES FOR CONDENSATE PIPEWORK INDICATIVE FOR COSTING PURPOSE ONLY.
16. FINAL COORDINATION OF SVP WITH NEW AND EXISTING ROOF PENETRATIONS TO BE AGREED ON SITE.

KEY

WC – TOILET
WB – WASH BASIN
WU – URINAL BOWL
SH – SHOWER
BH – BATH
CS – CLEANERS SINK
KS – KITCHEN SINK
DW – DISHWASHER
FG – FLOOR GULLY
VC – VENT COWL
A – ACCESS POINT
FS – FIRE SLEEVE (INTUMESCENT)
DC – CONNECTION TO BELOW GROUND DRAINAGE SYSTEM
SVP– SOIL & VENT PIPE
HV – HEP VO VALVE

(SOIL ***) BELOW GROUND CONNECTION REFERENCE
(SVP ***) SOIL VENT PIPE REFERENCE
(SVP ***) STUB STACK REFERENCE
FG FLOOR GULLY

CONDENSATE DRAIN FROM FCU UNITS ROUTE AT HL TO CONNECT TO SVP.

AREA TO BE DEVELOPED AT NEXT STAGE

01 DETAIL (52)-D-01
TYPICAL DRAINAGE SERVICES LAYOUT FOR HOTEL ROOM 1:50

02 DETAIL (52)-D-01
TYPICAL DRAINAGE SERVICES LAYOUT FOR HOTEL ROOM BATHROOM WITH BATH 1:50

03 DETAIL (52)-D-01
TYPICAL DRAINAGE SERVICES LAYOUT FOR HOTEL ROOM WITHOUT BATH 1:50

TYPICAL SOIL STACK WITH MULTI-MANIFOLD CONNECTOR

TYPICAL TOP OF STACK TERMINATION DETAIL

ISOMETRIC DETAIL – TYPICAL CONNECTION FOR WORKSPACE SINKS CONNECTED TO A COMMON STACK

OFFSET VENT DETAIL

BASE OF STACK DETAIL WITH L/L APPLIANCES

TYPICAL W.C. & BASIN OR SINK CONNECTIONS INTO SOIL STACK WITH AIR ADMITTANCE VALVE (AAV)

ISOMETRIC DETAIL – TYPICAL CONNECTION FOR MULTIPLE W.C. WITH SINKS OR BASINS CONNECTED TO A COMMON STACK

FOR COMMENT NOT FOR SITE USE

Date	Description	Rev	Drn	Chd
11.04.22	TENDER ISSUE	T5	LM	RG
07.02.22	TENDER ISSUE	T4	LM	AF
24.11.21	BUILDING LAYOUT UPDATED DRAINAGE AMENDED TO SUIT	T3	GT	AF
02.06.21	TENDER ISSUE	T2	GT	AF
21.05.21	TENDER ISSUE	T1	GT	AF

Revision Description

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

Drawing Title:
MECHANICAL SERVICES
FIRST FLOOR
ABOVE GROUND DRAINAGE LAYOUT

Date:	Design By:	Drawn By:	Scale:
APR 21	AF	KDC	1:100

Issue Status:
TENDER

Drawing Number: 647-M-(52)-01-01
Rev: T5

XREF Updated on: 04.11.21

DRAWING TO BE READ WITH CONSOLUX SPECIFICATION

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