

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

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

ABOVE GROUND DRAINAGE INSTALLATION

- ALL SIPS FITTED WITH ACCESS DOOR 1100mm ABOVE FFL
- ALL SANITARY APPLIANCES MUST BE FITTED WITH RE-SEALING BOTTLE OR TUBULAR TRAPS AS MANUFACTURER RECOMMEND OR EQUIVALENT AND APPROVED. REB-BOTTLE TRAP, SHW-TUBULAR TRAP
- ALL 110 PVC STUB STACKS TERMINATE WITH ANY ABOVE FLOOD LEVEL IN VENTILATED PLUMBING DUCT
- THE ARCHITECT TO CONFIRM ALL STACK RISER POSITIONS & PROVIDE BONDING DETAILS NECESSARY
- ALL PLASTICS SIPS & ABOVE FITTED WITH FIRE COLLAR AT ALL FIRE COMPARTMENT WALLS & FLOORS
- ALL VISIBLE PIPERUN AND WASTE FITTINGS & PIPERUN TO BE DRUMME PLATED OR AS ARCHITECTS INSTRUCTIONS
- ALL SIPS TO PENETRATE SLAB
- ALL SIPS TO BE 110mm NOMINAL SIZE
- ALL ABOVE GROUND DRAINAGE SHALL COMPLY WITH THE REQUIREMENTS OF BS EN 12056 & BUILDING REGULATIONS APPROVED DOCUMENT PART H
- THE CONTRACTOR SHALL ENSURE THAT ALL RIDDING EYES ARE FULLY ACCESSIBLE FOR MAINTENANCE PURPOSES
- THE CONTRACTOR SHALL ALLOW TO MAKE ALL FINAL CONNECTIONS TO SANITARY WARE & TIME OF EQUIPMENT
- RIDDING ACCESS IS SHOWN INDICATIVE THROUGHOUT. THE CONTRACTOR IS TO INCLUDE FOR RIDDING/ACCESS PANELS WHERE PRACTICAL & NECESSARY
- CONDENSATE DISCHARGE PIPE SHOULD BE CONNECTED TO AN INTERNAL VENTILATED DISCHARGE POINT/STACK AS AN INTERNAL SOIL STACK (PREFERRED METHOD). EXTERNAL PIPES FROM SINK WASTES OR WASHING MACHINES SHOULD BE A MINIMUM OF 30mm INTERNAL DIAMETER, INSULATED WITH WATERPROOF UV RESISTANT MATERIAL, TERMINATED BELOW THE GROUND BUT ABOVE THE WATER LINE AND A SURFACE BRINK/LEAK GUARD FITTED IF AN INTERNAL POINT ONLY 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 MUST BE PIPED DOWN AS A SINK, BASIN, BATH OR SHOWER WASTE
- CONDENSATE DISCHARGE PIPES THAT ARE ROUTED IN AN UNHEATED SPACE SUCH AS A LOFT OR GARAGE SHOULD BE INSULATED TO PREVENT FREEZING
- FINAL POSITION OF CHILLED WATER FAN COIL UNITS TO BE AGREED. ROUTES FOR CONDENSATE PIPERUN INDICATIVE FOR GUIDANCE PURPOSE ONLY
- FINAL COORDINATION OF SIPS WITH NEW AND EXISTING ROOF PENETRATIONS TO BE AGREED ON SITE

KEY

- WC - TOILET
WB - WASH BASIN
SH - SHOWER
BS - BATH
CS - CLEANERS SINK
KS - KITCHEN SINK
DS - DISH WASH
FC - FLOOR GULLY
VC - VENT COIL
A - ACCESS POINT
FS - FIRE SLEEVE (INTUMESCENT)
DC - CONNECTION TO BELOW
GDS - GROUND DRAINAGE SYSTEM
DAP - SOIL & VENT PIPE
AV - HEP VENT VALVE

- BC211111 BELOW GROUND CONNECTION REFERENCE
SIP111111 SOIL VENT PIPE REFERENCE
SIP111111 STUB STACK REFERENCE
Fg FLOOR GULLY

FOR COMMENT NOT FOR SITE USE

11.04.23	BUILDING LAYOUT UPDATED	12	AM	RO
07.02.23	BUILDING LAYOUT UPDATED	14	AM	AF
24.11.21	BUILDING LAYOUT UPDATED	19	AM	AF
02.06.21	TENDER ISSUE	22	AM	AF
21.02.21	TENDER ISSUE	21	AM	AF

Rev	Description	Rev	Description
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CONSOLUX
CONSOLUX M&E CONSULTING LTD.
MECHANICAL & ELECTRICAL CONSULTING ENGINEERS
Liverpool Office
25 Percival
Liverpool L3 5R
Tel: +44 (0)151 708 9469
Fax: +44 (0)151 708 7199
www.consolux.co.uk

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

Drawing Title
MECHANICAL SERVICES
BASEMENT LEVEL
ABOVE GROUND DRAINAGE LAYOUT

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

Issue Status
TENDER

Drawing Number:
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Rev
T5

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