



**CDM NOTES:**

1. WORKING FROM HEIGHT – USE OF SAFE WORKING PLATFORMS TO BE USED.
2. WORKING AT HEIGHT – RISK OF TOOLS OR EQUIPMENT BEING DROPPED ONTO OPERATIVES BELOW – RESTRICT ACCESS TO AREAS DIRECTLY BELOW WHERE WORKS ARE BEING CARRIED OUT.
3. INSTALL SERVICES WITHIN CEILING AND CEILING/SERVICE VOIDS – RISK OF FALL, INHALATION OF DUST FIBRES – SUITABLE USE OF SAFE PLATFORMS AND USE ADDITIONAL PPE IE DUST MASKS, GLOVES ETC.
4. USE OF HAZARDOUS MATERIALS – HAZARDOUS MATERIALS HAVE NOT BEEN SPECIFIED IN THE WORKS. COSHH SHEETS TO BE PROVIDED WHERE APPLICABLE AND SUITABLE PPE TO BE USED BY STAFF.
5. MANUAL HANDLING OF PLANT AND EQUIPMENT – EQUIPMENT IS GENERALLY SMALL ENOUGH TO BE SUITABLE FOR MANUAL HANDLING. MECHANICAL MEANS TO BE USED TO LIFT LARGER ITEMS
6. CUTTING, DRILLING ETC, OF METALWORKS SUCH AS TRAY CONDUIT TRUNKING ETC – NORMAL SAFETY PROCEDURES TO BE USED, PROVIDE PROTECTIVE CLOTHING GOGGLES ETC.

**Materials/Installation Notes**

1. ALL PLANT AND EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
2. ALL PIPEWORK TO BE CARRIED OUT IN COPPER TO BS EN 1057 R250 (BS 2871 TABLE X).
3. PRESS FIT COPPER FITTINGS (UP TO 108mm) TO BE USED IN ACCORDANCE WITH BS 8537:2010.
4. THE INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE WATER SUPPLY (WATER FITTINGS) REGULATIONS 1999, HSC L8 AND BS 8558: 2011 AND BS EN 806.
5. ALL APPLIANCES TO BE FITTED WITH BALL-O-FIX ISOLATION VALVES.
6. ALL PIPEWORK LOCATED WITHIN VOIDS AND RISERS TO BE THERMALLY INSULATED WITH CLASS 0 FOIL FINISHED MINERAL WOOL & HAVE I.D LABELS.
7. SAFETY RELIEF VALVES FROM WATER HEATERS TO BE PIPED AS PER MANUFACTURER'S RECOMMENDATIONS.
8. DRAIN COCKS TO BE FITTED AT ALL LOW POINTS.
9. CHLORINATION, TESTING & COMMISSIONING OF SYSTEM TO BE CARRIED OUT IN ACCORDANCE WITH ALL RELEVANT GUIDELINES/REQUIREMENTS.
10. EXPANSION REQUIREMENTS TBC BY DST PRIOR TO INSTALLATION.
11. ALL MAINS PIPEWORK TO BE PRESSFIT.
12. ALL VALVES ABOVE 28mm TO BE SOLDERED.
13. ALL STUDIO SINK CONNECTIONS TO DROP WITHIN PARTITIONS OR WHERE AGAINST AN EXTERNAL WALL SHOULD BE CHASED OUT TO ALLOW

**Legend**

	LINE TYPE
CEILING VOID	----
HIGH LEVEL	----
LOW LEVEL	----
BELOW GROUND/ FLOOR VOID	----

	LEGEND
RTA	RISE TO ABOVE
DTLL	DROP TO LOW LEVEL
CV	CEILING VOID
RTA	DROP FROM ABOVE
DTB	DROP TO BELOW
RFB	RISE FROM BELOW
MCWS	MAINS COLD WATER SERVICE
HWSF	HOT WATER SERVICE FLOW
HWSR	HOT WATER SERVICE RETURN
BCWS	BOOSTED COLD WATER SERVICE
PRV	PRESSURE REDUCING VALVE
TMV	TMV2 THERMOSTATIC MIXING VALVE (TMV3 IN ACCESSIBLE AREA)
IV	ISOLATION VALVE
RV	OVENTROP AQUASTROM VALVE
SV	BALL-O-FIX VALVE
ANCHOR POINT	ANCHOR POINT
EXPANSION BELLOWS	EXPANSION BELLOWS
DOMESTIC WATER SERVICES RISER	DOMESTIC WATER SERVICES RISER
REFERENCE	REFERENCE

**Revisions**

Rev.	Date.	Description	Init
P1	19-12-14	ISSUED FOR COMMENT/APPROVAL	L.S.
C1	05-02-15	ISSUED FOR CONSTRUCTION	N.S.

**Status**

**CONSTRUCTION**

**Project**  
**SEEL STREET**  
**LIVERPOOL ONE**

**Title**  
**LEVEL 00**

**DOMESTIC WATER SERVICES LAYOUT**

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