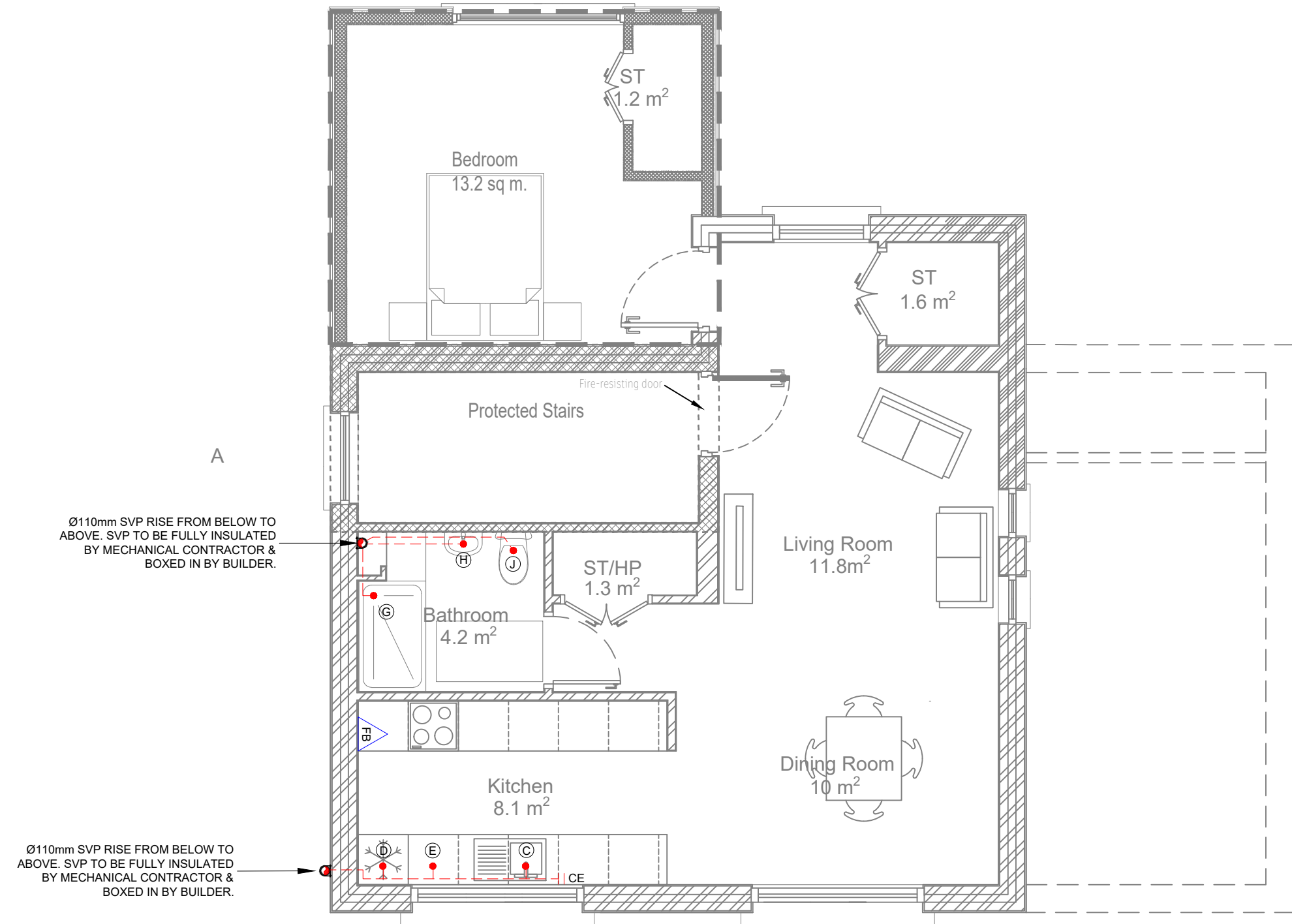
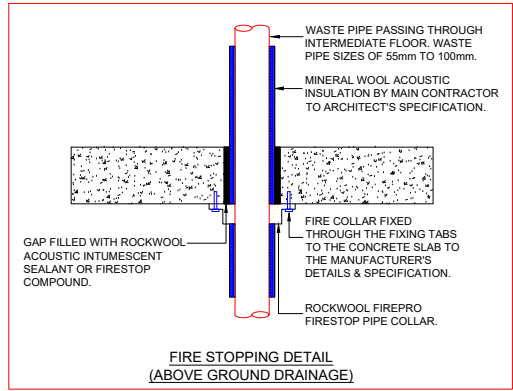




CO-ORDINATION NOTES:
BOTH THE MAIN CONTRACTOR & MECHANICAL SERVICES CONTRACTOR SHALL FULLY CO-ORDINATE THE POSITIONS OF ALL KITCHEN & UTILITY ROOM APPLIANCES INCLUDING BUT NOT LIMITED TO THE HEAT PUMP INDOOR UNIT, W/M, D/W, VERTICAL COLD WATER STORAGE TANK & DRIP TRAYS AS WELL AS HEATING & PLUMBING MANIFOLD POSITIONS. THIS SHALL BE FULLY CO-ORDINATED ON SITE BASED ON ARCHITECTS LAYOUT DRAWINGS.



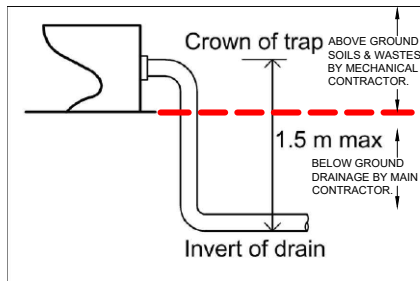
LEGEND OF FIRE FIGHTING EQUIPMENT:



INDICATES 1.2x1.8M SILICONE COATED GLASS FIBRE FIRE BLANKET TO BS EN1869. MIN. THICKNESS 0.25mm.

NOTES:

- ALL FIRE EXTINGUISHERS & BLANKETS SHALL BE SUPPLIED AND INSTALLED WITH PROPRIETARY WALL MOUNTING BRACKETS/FIXINGS.
- ALL FIRE EXTINGUISHER SIGNAGE SHALL BE INCLUDED WITH EACH EXTINGUISHER & INSTALLED UNDER THIS CONTRACT.



GROUND FLOOR W.C. WASTE
THE BRANCH PIPE FROM THE GROUND FLOOR W.C. MAY DISCHARGE DIRECTLY TO A DRAIN WHERE THE DROP IS 1.5 m OR LESS. WHERE THE DROP IS MORE THAN 1.5 m, THE BRANCH PIPE SHOULD DISCHARGE INTO A SOIL VENT PIPE. (TO BE REVIEWED BY CIVIL/STRUCTURAL ENGINEERS).

LEGEND:

- (A) DENOTES 100mm WASTE FROM W.C. CONNECT TO 100mm WASTE POP-UP AT FLOOR LEVEL BY MAIN CONTRACTOR.
- (B) DENOTES 32mm WASTE FROM WHB C/W 75mm DEEP SEAL TRAP CONNECT 32mm WASTE PIPE POP-UP AT FLOOR LEVEL BY MAIN CONTRACTOR.
- (C) DENOTES 40mm WASTE FROM SINK C/W 75mm DEEP SEAL TRAP & MULTIFIT CONNECTION FOR D/W HOSE CONNECTION CONNECT TO 40mm WASTE FLOAT AT LOW LEVEL.
- (D) DENOTES 40mm WASTE FROM W/M C/W 40mm W/M STANDPIPE KIT & 75mm DEEP SEAL TRAP CONNECT TO BUILDER'S POP-UP.
- (E) DENOTES DRAIN WASTE HOSE FROM D/W CONNECT TO 40mm SINK WASTE TRAP SYSTEM WITH MULTI-FIT CONNECTION.
- (F) DENOTES 22mm COPPER SAFETY RELIEF DRAIN FROM INDOOR HEAT PUMP UNIT C/W TUNDISH & HEPVO DRY TRAP CONNECT TO WASTE PIPE POP-UP AT FLOOR LEVEL BY MAIN CONTRACTOR.
- (G) DENOTES 40mm WASTE FROM SHOWER C/W 75mm DEEP SEAL TRAP CONNECT TO 40mm WASTE PIPE AT FLOOR LEVEL.
- (H) DENOTES 32mm WASTE FROM WHB C/W 75mm DEEP SEAL TRAP CONNECT TO 32mm WASTE PIPE AT FLOOR LEVEL.
- (J) DENOTES 100mm WASTE FROM W.C. CONNECT TO 100mm WASTE PIPE AT LOW LEVEL.
- CE DENOTES CLEANING EYE.

NOTES:

ALL VERTICAL SVP'S TO BE RUN IN LOW NOISE HEAVY DUTY PIPEWORK & FULLY INSULATED BY MECHANICAL CONTRACTOR. ALL VERTICAL SVP'S TO BE BOXED IN BY OTHERS.

NOTES:

ALL VERTICAL SVP'S TO BE FULLY INSULATED BY MECHANICAL CONTRACTOR. ALL VERTICAL SVP'S TO BE BOXED IN BY OTHERS.

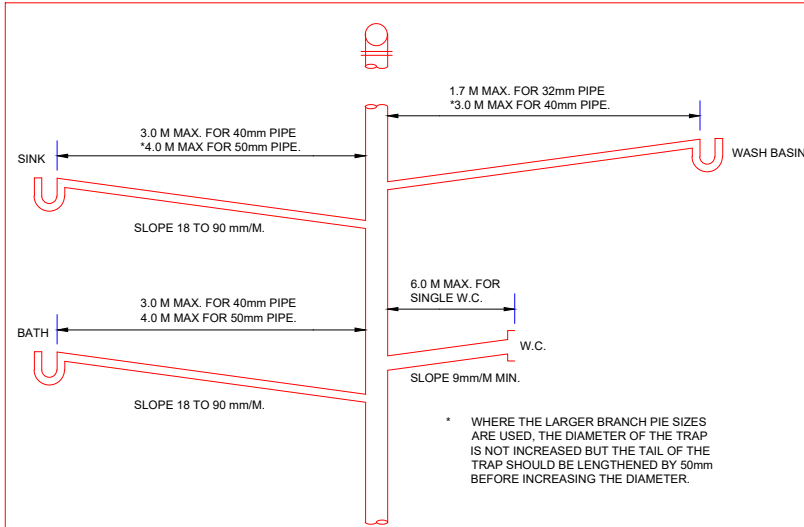
ALL SLATE VENTS TO BE SUPPLIED & INSTALLED BY MAIN CONTRACTOR. MECHANICAL CONTRACTOR & MAIN CONTRACTOR TO CO-ORDINATE TERMINATION OF SVP'S WITH SLATE VENTS WHERE REQUIRED.

'CE' - DENOTES CLEANING EYE.

- PIPEWORK AT LOW LEVEL.
- PIPEWORK IN FLOOR SCREED LAID TO FALLS IN LINE WITH BUILDING REGULATIONS DOCUMENT H.
- PIPEWORK IN CEILING VOID SPACE OR RUN BETWEEN CEILING JOISTS.

DRAINAGE BELOW GROUND FLOOR SLAB:

NOTE, THE DRAINAGE BELOW GROUND FLOOR SLAB SHALL BE BY OTHERS, I.E. THE MAIN CONTRACTOR. THE MECHANICAL SERVICES DRAWINGS & AS SUCH THE MECHANICAL SERVICES CONTRACT SHALL INCLUDE FOR THE SUPPLY & INSTALLATION OF ALL DRAINAGE PIPEWORK & FITTINGS ABOVE THE F.F.L. OF THE GROUND FLOOR SLAB. THE MECHANICAL SERVICES CONTRACTOR SHALL THEREFORE CONNECT THE ABOVE GROUND DRAINAGE SERVICES TO THE MAIN CONTRACTORS POP-UPS/UPSTANDS. THE EXACT NUMBER & LOCATION OF ALL REQUIRED POP-UPS/UPSTANDS SHALL BE FULLY CO-ORDINATED BETWEEN THE MAIN & MECHANICAL CONTRACTOR AT THE BEGINNING OF THE PROJECT.



TYPICAL WASTE CONNECTION DETAIL.

Notes:

GENERAL NOTES

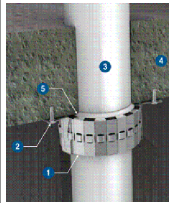
- DO NOT SCALE. USE FIGURED DIMENSIONS ONLY.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DRAWINGS.
- CLEANING EYES TO BE INCLUDED AT ALL CHANGES OF DIRECTION ON ALL DRAINAGE PIPEWORK.
- SWEPT TEES AND 75 SEAL BOTTLE TRAPS TO BE USED THROUGHOUT, UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL DESIGN ALL SUPPORTS AND FIXINGS TO ACCOMMODATE PIPE EXPANSION AND CONTRACTION CAUSED BY THERMAL CHANGE. THE PIPEWORK EXPANSION DESIGN MUST BE PRESENTED FOR APPROVAL PRIOR TO INSTALLATION.
- SOIL PIPEWORK ON EACH FLOOR OF RESIDENCE TO BE ACOUSTICALLY INSULATED.
- THE MECHANICAL CONTRACTOR SHALL INCLUDE FOR ALL FIRE COLLARS ON SOILS & WASTES SERVICE PIPEWORK WHERE IT PASSES THROUGH FIRE COMPARTMENTS. FIRE STOPPING SHALL BE CARRIED OUT IN FULL ACCORDANCE WITH TECHNICAL GUIDANCE DOCUMENT B - FIRE SAFETY VOLUME 2 DWELLINGS.
- ALL SOIL STACKS OR SOIL VENT PIPES TO BE LOW-NOISE PVE PIPEWORK & FULLY INSULATED TO MITIGATE NOISE LEVELS.
- THE ABOVE GROUND DRAINAGE INSTALLATION SHALL AS A MINIMUM COMPLY IN FULL WITH THE REQUIREMENTS OF BS EN 12056-2 2000 & TECHNICAL GUIDANCE DOCUMENT H - DRAINAGE & WASTE DISPOSAL.
- RODDING EYES/ACCESS POINTS SHALL BE PROVIDED AT EACH BEND & CHANGE IN DIRECTION.

HEALTH & SAFETY NOTE

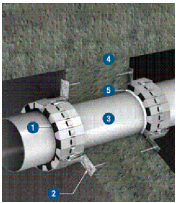
ANY CONSTRUCTION OR CONSTRUCTION RELATED PERSONNEL INCLUDING OPERATIVES INTENDING TO CONSTRUCT THE DESIGNS SHOWN ON THIS DRAWING SHOULD ENSURE THAT THEY HAVE BEEN THOROUGHLY BRIEFED BY THE PRINCIPAL CONTRACTOR ON ALL HEALTH & SAFETY MATTERS & HAVE SIGHT OF:

- THE FULL DESIGNERS & CONTRACTORS HAZARD & RISK ASSESSMENTS & RISK REGISTERS
- THE DEVELOPED CONSTRUCTION PHASE SAFETY & HEALTH PLAN.
- THE CONTRACTORS CONSTRUCTION METHOD STATEMENTS.

- FIRE COLLAR.
- ATTACHED WITH SUITABLE ANCHOR FIXING.
- PLASTIC PIPING.
- CONCRETE WALL, FLOOR OR FIRE-RATED PARTITIONS.
- SEALANT TO ACT AS SEAL AGAINST THE PASSAGE OF COLD SMOKE.



CE MARKED FIRE COLLAR FLOOR PENETRATION.



CE MARKED FIRE COLLAR WALL PENETRATION.

T	For Tender	VP	16.04.25
REV:	DESCRIPTION:	BY:	DATE:
STATUS:			

CBS Consulting Engineers
MECHANICAL & ELECTRICAL ENGINEERS

Limerick City & County Council

SITE: Residential Development at 58 Mayorstone, Limerick			
TITLE: Above Ground Drainage First Floor Layout			
SCALE AT A1:	DATE:	DRAWN:	CHECKED:
1:30	16.04.25	VP	RY
PROJECT NO:	DRAWING NO:	REVISION:	
	M402	T	