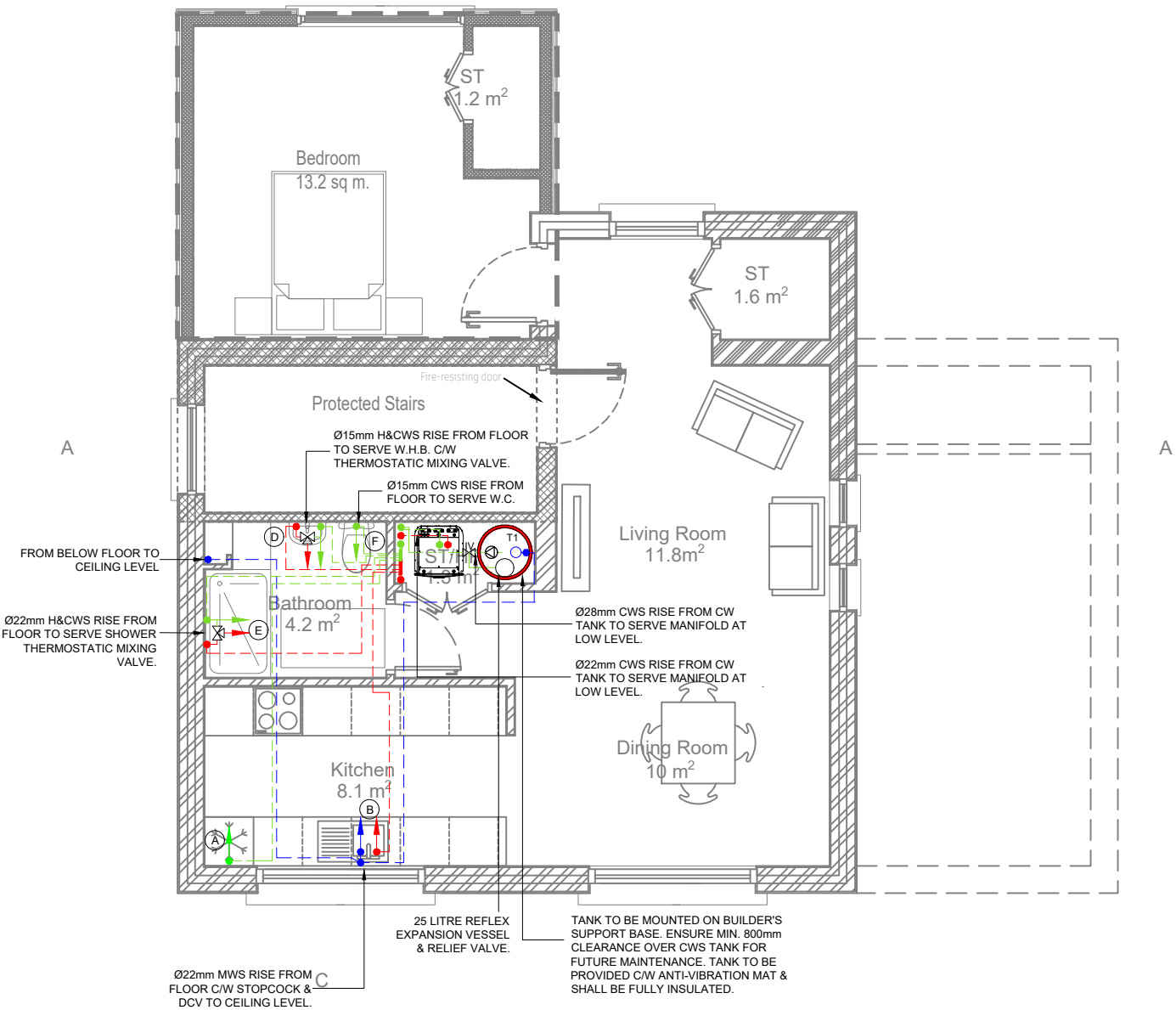




Proposed First floor unit layout. 1 Bed 2 persons. TOTAL 68.6 sqm



EPS MULTIBOOST 250 LITRE VERTICAL COLD WATER STORAGE TANK C/W SUBMERSIBLE PUMP, INSULATION & DRIP TRAY. - REF. T1

SCHEDULE OF COLD WATER STORAGE TANKS

REF.	TYPE	CAPACITY	DIM.	ACCESSORIES
T1	ONE PIECE FULLY INSULATED VERTICAL EPS MULTIBOOST WRAS APPROVED COLD WATER STORAGE TANK C/W SUBMERSIBLE PUMP, DRIP TRAY & SCREENED OVERFLOW.	250 LITRES	Ø760 x 1033 H mm	DRIP TRAY, CLOSE FITTING LID, INSULATION JACKET, BYELAW 30 KIT, SURGE TANK & PRESSURE WAVE TANK. TANK TO BE FITTED WITH WRAS APPROVED COMPONENTS.

PIPEWORK NOTES:

WHERE PIPEWORK IS INSTALLED WITHIN STUD PARTITION WALLS, THE PIPEWORK SHALL BE ADEQUATELY SUPPORTED WITH TIMBER BACKING & GALVOBAND SUPPORTS AT REGULAR INTERVALS.

NOTES:

ALL COLD WATER STORAGE TANKS TO BE MOUNTED ON MARINE GRADE PLYWOOD BASE & ANTI-VIBRATION MAT PROVIDED BY OTHERS.

ALL COLD WATER STORAGE TANKS TO INCLUDE 3.0 BAR SUBMERSIBLE PUMP TO BOOST THE WATER SERVICE WITHIN EACH DWELLING. MAIN CONTRACTOR TO PROVIDE SUPPORT BASE FOR TANK.

MECHANICAL SERVICES CONTRACTOR TO PROVIDE SCREENED OVERFLOW FROM EACH DWELLING CWS TANK & DISCHARGE EXTERNALLY VIA SUITABLE DRAIN WASTE PIPEWORK & CONNECTIONS.

NOTES:

BALLOFIX ISOLATING VALVES TO BE FITTED LOCALLY TO ALL PIPEWORK CONNECTIONS SERVING SANITARYWARE.

FINAL VALVE POSITIONS TO BE AGREED & INSTALLED IN FULLY ACCESSIBLE LOCATIONS.

THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE SPECIFICATION.

ALL SYSTEM LOW POINTS T BE FITTED WITH HOSE UNION DRAIN COILS & ALL SYSTEM HIGH POINTS TO BE FITTED WITH AUTOMATIC AIR VENTS.

THE COLD WATER TAP & COLD WATER CONNECTIONS SHALL BE INSTALLED TO THE RIGHT HAND SIDE OF ALL APPLIANCES.

ALL PIPEWORK INSTALLED IN UNHEATED SPACES TO BE FULLY INSULATED WITH MIN. 18mm WALL THICKNESS MINERAL FIBRE INSULATION.

ALL PIPEWORK ROUTES SHOWN ARE INDICATIVE ONLY FOR PRICING PURPOSES.

ALL PIPEWORK TO BE SECURELY FIXED/CLIPPED AT 300mm CENTERS.

THE MECHANICAL CONTRACTOR SHALL FIT AN ANTI-SURGE DEVICE TO THE WATER SERVICES INSTALLATION WHERE WATERHAMMER ARISES IN THE COMPLETED INSTALLATION.

FINAL CONNECTIONS TO APPLIANCES SHALL BE AS FOLLOWS:

LEGEND:

(M) DENOTES BOUNDARY BOX WATER METER C/W ISOLATING VALVES SUPPLIED & INSTALLED BY MAIN CONTRACTOR TO BE TAGGED BY MECHANICAL CONTRACTOR LABELLING DWELLING SERVED.

— DENOTES WATER SERVICES PIPEWORK AT LOW LEVEL.

— DENOTES WATER SERVICES PIPEWORK IN CEILING / ATTIC.

— DENOTES 22mm WRAS APPROVED & CERTIFIED FRANKISCHE PRE-INSULATED MULTI-LAYER DOMESTIC WATER SERVICES PIPEWORK RUN IN FLOOR BELOW UNDERFLOOR HEATING INSTALLATION. PIPEWORK INSULATION TO BE 13mm MINIMUM. WHERE GROUND FLOOR HAS NO SCREED, ALL PIPES AT GROUND FLOOR LEVEL TO BE ROLLED OUT & LAID JOINT-FREE IN REQUIRED LOCATIONS PRIOR TO INSTALLATION OF FLOOR SLAB. IN UPPER FLOORS, PIPEWORK TO BE CLIPPED BETWEEN JOISTS.

DENOTES PRE-PLUMBED & PRE-WIRED ALL IN ONE COMBI HEATING & HOT WATER INDOOR HEAT PUMP UNIT C/W ONBOARD INTEGRATED CONTROLS SYSTEM, EXPANSION VESSEL, MAINS KIT & THERMAL/PRESSURE RELIEF VALVE C/W TUNDISH WASTE, HEPVO TRAP & ASSOCIATED PIPEWORK. UNIT DIMENSIONS APPROX. 600 W x 1750 H X 660 D.

DENOTES LOW LEVEL LOW LOSS DISTRIBUTION MANIFOLD HEADER CABINET. MANIFOLD TO SERVE MAINS, HOT & COLD WATER SERVICES AS REQUIRED. EACH BRANCH CONNECTION TO BE FITTED WITH ISOLATING VALVES. EACH MANIFOLD TO BE FITTED WITH ANTI-SURGE DEVICE SUCH AS BIWORLD 810 SERIES WATERHAMMER ARRESTOR. MAIN & MECHANICAL CONTRACTOR TO CO-ORDINATE MANIFOLD SIZE, LOCATIONS & GROUNDS FOR SUPPORT.

LEGEND:

- (A) DENOTES Ø15mm CWS TO SERVE WASHING MACHINE C/W QUARTER-TURN ISOLATING VALVES.
- (B) DENOTES Ø15mm HWS & MWS C/W BALLOFIX ISOLATING VALVES TO SERVE SINK.
- (C) DENOTES Ø15mm CWS C/W BALLOFIX ISOLATING VALVE TO SERVE DISHWASHER.
- (D) DENOTES Ø15mm HWS & CWS C/W THERMOSTATIC MIXING VALVE & BALLOFIX ISOLATING VALVES TO SERVE WASH BASIN.
- (E) DENOTES Ø22mm HWS & CWS C/W THERMOSTATIC MIXING VALVE & BALLOFIX ISOLATING VALVES TO SERVE SHOWER AS SONAS JAY T-BAR THERMOSTATIC SHOWER MIXER VALVE C/W SHOWER HEAD, SLIDING RAIL KIT & ACCESSORIES. THE MECHANICAL CONTRACTOR SHALL INSTALL AN UNVENTED THERMOSTATIC SHOWER MIXER WITH FLOW RESTRICTOR (6 l/min.). THE SHOWER FLOW RESTRICTOR CANNOT BE ADJUSTABLE & MUST REQUIRE TOOLS TO REMOVE IT & MUST BE SELECTED FROM THE EUROPEAN WATER LABEL LIST OF APPROVED DEVICES.
- (F) DENOTES Ø15mm CWS C/W BALLOFIX ISOLATING VALVE TO SERVE W.C.
- (G) DENOTES Ø22mm HWS & CWS C/W THERMOSTATIC MIXING VALVE & BALLOFIX ISOLATING VALVES TO SERVE BATH C/W Ø22mm H&CWS TO SERVE SONAS JAY T-BAR THERMOSTATIC SHOWER MIXER VALVE C/W SHOWER HEAD, SLIDING RAIL KIT & ACCESSORIES. THE MECHANICAL CONTRACTOR SHALL INSTALL AN UNVENTED THERMOSTATIC SHOWER MIXER WITH FLOW RESTRICTOR (6 l/min.). THE SHOWER FLOW RESTRICTOR CANNOT BE ADJUSTABLE & MUST REQUIRE TOOLS TO REMOVE IT & MUST BE SELECTED FROM THE EUROPEAN WATER LABEL LIST OF APPROVED DEVICES.

NOTES:

WC - 15mm COLD WATER SERVICE.
WHB - 15mm BOOSTER HOT AND COLD WATER SERVICE.
BATH - 22mm BOOSTED HOT AND COLD WATER SERVICE.
SHOWER - 15mm BOOSTED HOT AND COLD WATER SERVICE.
SINK - 15mm MAINS WATER & 15mm BOOSTED HOT WATER SERVICE.
DISHWASHER - 15mm BOOSTED COLD WATER SERVICE.
WASHING MACHINE - 15mm BOOSTED COLD WATER SERVICE.

WHERE DOMESTIC WATER PIPEWORK SHALL BE LAID IN FLOORS, CEILING VOIDS, ATTICS, PARTITION WALLS OR ANYWHERE WITHIN THE BUILDING FABRIC, THE PIPEWORK SHALL BE JOINT-FREE AND IN FULL ACCORDANCE WITH THE SPECIFICATION.

ALL EXPOSED PIPEWORK SHALL BE CHROMIUM PLATED COPPER.

ALL PIPEWORK RISING/DROPPING IN ROOMS SHALL BE BOXED OUT BY OTHERS. NOTE, ALL CONCEALED PIPEWORK TO BE FULLY INSULATED.

THE POSITIONING OF ALL MECHANICAL SERVICES PIPEWORK IN FLOORS/CEILINGS SHALL BE FULLY CO-ORDINATED WITH THE MAIN CONTRACTOR AND ALL OPES SIZES AND LOCATIONS AGREED IN FULL.

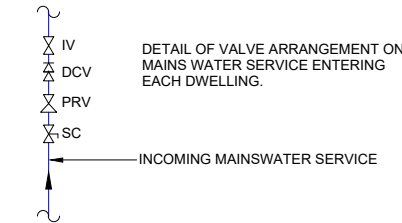
THE INSTALLED HEAT PUMP SYSTEM SHALL BE SELECTED FROM THE SEAI TRIPLE E APPROVED LIST.

THE DOMESTIC WATER SERVICES INSTALLATION SHALL BE INSTALLED IN ACCORDANCE WITH IRISH BUILDING REGULATIONS TECHNICAL GUIDANCE DOCUMENT H (HYGIENE) & IRISH WATER CODE OF PRACTICE JULY 2020.

SITE WATERMAIN NOTES:

THE MDPE SITE WATERMAIN INSTALLATION UP TO & INCLUDING EACH WATER METER BOUNDARY BOX ETC SHALL BE SUPPLIED & INSTALLED BY THE MAIN CONTRACTOR. THE MAIN CONTRACTOR SHALL BE SUPPLY & INSTALL ALL BULK WATER METERS & INDIVIDUAL DWELLING WATER METERS & BOUNDARY BOXES AS REQUIRED.

THE MECHANICAL SERVICES CONTRACTOR SHALL CONNECT A NEW MDPE WATERMAIN TO EACH INDIVIDUAL DWELLING WATER METER & RUN A NEW MAINSWATER CONNECTION TO EACH DWELLING. ALL TRENCH REQUIREMENTS TO BE PROVIDED BY THE MAIN CONTRACTOR.



IN ACCORDANCE WITH TGD PART H, THE INCOMING MAINS WATER SERVICE TO EACH DWELLING SHALL BE FITTED WITH A STOPCOCK OR SLUICE VALVE FITTED WITH A CRUTCH WHEEL FOR MANUAL OPERATION IN A CONVENIENT POSITION WITHIN THE DWELLING & AT THE POINT OF ENTRY TO THE DWELLING. THIS SHALL BE CARRIED OUT BY THE MECHANICAL CONTRACTOR.

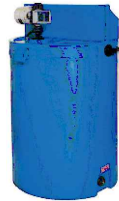
THE MECHANICAL CONTRACTOR SHALL INSTALL A DOUBLE CHECK VALVE ANTI-BACKFLOW DEVICE TO THE INCOMING MAINS WATER SERVICE TO EACH DWELLING.

Notes:

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:

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



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SONAS JAY T-BAR THERMOSTATIC SHOWER MIXER VALVE & SLIDE RAIL KIT C/W FLOW RESTRICTOR, MAX TEMP 41°C (TMV2), SHOWER, SLIDE RAIL KIT & FLOW RESTRICTOR TO BE PROVIDED OVER EACH BATH

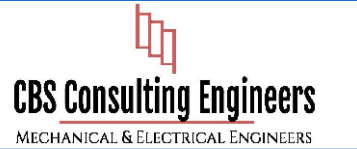
PIPEWORK INSTALLATION.

ALL PIPEWORK INSTALLED WITHIN CEILING VOIDS, FLOOR VOIDS, WITHIN STUD PARTITION WALLS OR CONCEALED WITHIN THE BUILDING FABRIC SHALL BE INSTALLED IN CONTINUOUS PIPE RUNS & SHALL BE COMPLETELY JOINT-FREE. THE MECHANICAL CONTRACTOR SHALL CAREFULLY PLAN THE PIPEWORK ROUTE IN ORDER TO AVOID ANY JOINTS IN CONCEALED SPACES.

WATER MAINS NOTES:

THE MECHANICAL SERVICES CONTRACTOR/PLUMBER IS REQUIRED TO BE FAMILIAR WITH THE REQUIREMENTS OF THE IRISH WATER CODE OF PRACTICE JULY 2020, TECHNICAL GUIDANCE DOCUMENT PART G & BS 6700. THE MECHANICAL SERVICES CONTRACTOR/PLUMBER IS REQUIRED TO COMPLETE THE INSTALLATION OF THE WATER SERVICES TO EACH DWELLING IN FULL COMPLIANCE WITH THESE DOCUMENTS.

T	For Tender	VP	17.04.25
REV:	DESCRIPTION:	BY:	DATE:
STATUS:			



SITE: Residential Development at 58 Mayorstone, Limerick			
TITLE: Domestic Water Services Ground Floor Layout			
SCALE AT A1: 1:40	DATE: 17.04.25	DRAWN: VP	CHECKED: RY
PROJECT NO:	DRAWING NO: M202	REVISION: T	