

FILE PATH: Z:\PROJECT FILES\Projects 700\00020741 - Thulusizwe Clinic\Drawings\PAL Drawings\Ground Floor\Thulusizwe Clinic 2024-08-14.rvt

DETAIL OF HV-01

HV-01
50 LITRE KWIKOT DUAL STANDARD OR SIMILAR AND APPROVED
400 kPa HOT WATER CYLINDER WITH AND INCLUDING
TEMPERATURE AND PRESSURE SAFETY RELIEF VALVE
INCLUDING 20mm FEMALE DRAINCOCK, GEYSER DRIP TRAY, OVERFLOW
PIPE TO NEAREST DRAIN, BRACKETS, VALVES AND FITTINGS.

WATER RETICULATION LEGEND:

INSULATED HOT WATER (CLASS 1 COPPER, SEE NOTE 17)	---
INSULATED HOT WATER RETURN (CLASS 1 COPPER, SEE NOTE 17)	---
COLD WATER, ABOVE GROUND (CLASS 1 COPPER)	---
COLD WATER, UNDERGROUND (CLASS 1 COPPER)	---
BOREHOLE WATER, CLASS 1 COPPER	---

WATER RETICULATION NOTES:

- ALL WORK TO BE CARRIED OUT IN STRICT ACCORDANCE WITH LOCAL AUTHORITY REQUIREMENTS, NATIONAL BUILDING REGULATIONS AND S.A.B.S STANDARDS.
- THIS DRAWING MAY NOT BE SCALED. ONLY FIGURED DIMENSIONS AND LEVELS MAY BE USED.
- ALL RELEVANT DETAILS, LEVELS, DIMENSIONS, ETC. MUST BE CHECKED ON SITE PRIOR TO COMMENCEMENT OF WORK.
- ALL PIPES CHASED IN WALL / SLAB TO BE DENSE / DUCT TAPE WRAPPED. PIPES PASSING THROUGH UP STANDS / DOWN STANDS / WALLS A SLEEVE TO BE PROVIDED TO CONTAIN PIPE.
- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL & OTHER DRAWINGS.
- ALL CONNECTIONS TO WHBS TO BE Ø15mm ANGLE REGULATING VALVE BELOW WHBS.
- ALL CONNECTIONS TO DOMESTIC KITCHEN SINKS TO BE Ø22mm REDUCED TO Ø15mm AT CONNECTION.
- ALL CONNECTIONS TO URINAL TO BE Ø28mm, REDUCED TO Ø22mm AT JUNIOR FLUSH MASTER.
- ALL CONNECTIONS TO WCs TO BE Ø15mm, FOR CISTERNS Ø28 TO JUNIOR FLUSH MASTERS.
- ALL CONNECTIONS TO SHOWER TO BE Ø22mm REDUCED TO Ø15mm AT STOPOCKS / MIXERS.
- PIPES IN CONCRETE TO HAVE NO JOINTS & PVC TUBED / SLEEVED.
- Ø15mm TO DOMESTIC WASHING MACHINE WITH STOPOCKS AT 900mm. INDUSTRIAL REDUCE TO Ø28 AT BALL VALVE WITH MALE FITTING AT 900mm A/R/L.
- ALL COPPER TO BE - CLASS 1 COPPER, ABOVE GROUND.
- PIPES IN CONCRETE TO HAVE NO JOINTS IN PVC TUBE. CHASED WALL (WRAPPED).
- ALL PIPING SHALL BE SUBJECTED TO A TEST PRESSURE OF AT LEAST 1500 kPa, BUT NOT LESS THAN 1 1/2 TIMES THE MAXIMUM WORKING PRESSURE (WORKING OF THE INSTALLATION PRIOR BEING CONCEALED IN WALL CHASES ETC. & SUCH TEST PRESSURE SHALL BE MAINTAINED FOR AT LEAST MINIMUM ONE HOUR.
- ALL HOT WATER PIPES TO BE INSULATED WITH THERMALEX 25mm OR EQUAL AND APPROVED DOUBLE DIPPED INSULATION (INTERNAL) TO BE APPROVED BY ENGINEER. 25mm ROCKWOOL & Ø8mm S.S CLADDING TO HW PIPE FITTINGS EXTERNALLY (PLANT ROOM, PARKING ETC.).
- PIPE SUPPORT SPACING TO BE AS INDICATED IN THE STANDARD SPECIFICATION.
- AUTOMATIC AIR BLEED / RELIEF VALVES TO BE FITTED AT ALL HIGH POINTS BOTH HOT & COLD LINES.
- PIPING TO RUN IN ROOF SPACE FIXED WITH HOLDER BATTS ETC AS DESCRIBED IN THE SPECIFICATION. NOTE THAT NO GALVANISED HOLDER BATTS MAY BE USED TO SUPPORT COPPER PIPING.
- ALL HOT TAPS TO BE ON LHS AND COLD TAPS ON RHS OF FITTING, EXCEPT PARALLEL WHERE COLD WATER IS NEAREST TO VAC.
- ALL PIPING AND VALVES TO BE COLOUR CODED AND LABELED.
- ALL FITTINGS & BRANCH PIPES FROM RISERS TO HAVE INDIVIDUAL ISOLATING VALVES.
- ALL PIPE SIZES TO CONFORM WITH ARCHITECTS SANITARY SCHEDULES.
- UNDERGROUND PIPES TO BE WRAPPED IN DENSE.
- STRAINER TO BE POSITIONED HORIZONTALLY.
- ON COMPLETION, THE INSTALLATION SHALL BE STERILIZED & TESTED TO THE ENGINEERS SPECIFICATIONS.

