

**GROUND FLOOR WATER RETICULATION** 

## 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:**

- 1. ALL WORK TO BE CARRIED OUT IN STRICT ACCORDANCE WITH LOCAL AUTHORITY REQUIREMENTS. NATIONAL BUILDING REGULATIONS AND S.A.B.S
- 2. THIS DRAWING MAY NOT BE SCALED. ONLY FIGURED DIMENSIONS AND LEVELS MAY BE USED. 3. ALL RELEVANT DETAILS, LEVELS, DIMENSIONS, ETC MUST BE CHECKED ON SITE
- PRIOR TO COMMENCEMENT OF WORK. 4. ALL PIPES CHASED IN WALL / SLAB TO BE DENSO / DUCT TAPE WRAPPED.
- 5. PIPES PASSING THROUGH UP-STANDS / DOWN- STANDS / WALLS, A SLEEVE TO BE PROVIDED TO CONTAIN PIPE.
- 6. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL & OTHER DRAWINGS.
- 7. ALL CONNECTIONS TO WHB'S TO BE Ø15mm ANGLE REGULATING VALVE BELOW WHB'S.
- 8. ALL CONNECTIONS TO DOMESTIC KITCHEN SINKS TO BE Ø22mm REDUCED TO Ø15mm AT CONNECTION.
- 9. ALL CONNECTIONS TO URINAL TO BE Ø28mm. REDUCED TO Ø22mm AT JUNIOR
- FLUSH MASTER. 10. ALL CONNECTIONS TO WC'S TO BE Ø15mm. FOR CISTERNS Ø28 TO JUNIOR
- FLUSH MASTERS 11. ALL CONNECTIONS TO SHOWER TO BE Ø22mm REDUCED TO Ø15mm AT
- STOPCOCKS / MIXERS. 12. PIPES IN CONCRETE TO HAVE NO JOINTS & PVC TUBED / SLEEVED.
- 13. Ø15mm TO DOMESTIC WASHING MACHINE WITH STOPCOCKS AT 900mm. INDUSTRIAL REDUCE TO Ø28 AT BALL VALVE WITH MALE FITTING AT 900mm
- 14. ALL COPPER TO BE: CLASS 1 COPPER, ABOVE GROUND.
- 15. PIPES IN CONCRETE TO HAVE NO JOINTS IN PVC TUBE. CHASED WALL 16. 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 (600kPa) OF THE INSTALLATION PRIOR BEING CONCEALED IN WALL CHASES
- ONE HOUR. 17. ALL HOT WATER PIPES TO BE INSULATED WITH THERMAFLEX 25mm OR EQUAL AND APPROVED DOUBLE ZIPPED INSULATION (INTERNAL) TO BE APPROVED BY ENGINEER. 25mm ROCKWOOL & 0.8mm S.S CLADDING TO HW PIPE FITTINGS

ETC, & SUCH TEST PRESSURE SHALL BE MAINTAINED FOR AT LEAST MINIMUM

- EXTERNALLY ( PLANT ROOM, PARKING ETC.) 18. PIPE SUPPORT SPACING TO BE AS INDICATED IN THE STANDARD SPECIFICATION. 19. AUTOMATIC AIR BLEED / RELIEF VALVES TO BE FITTED AT ALL HIGH POINTS BOTH HOT & COLD LINES.
- 20. 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). 21. ALL HOT TAPS TO BE ON LHS AND COLD TAPS ON RHS OF FITTING, EXCEPT
- PARAPLEGIC WHERE COLD WATER IS NEAREST TO WC. 22. ALL PIPING AND VALVES TO BE COLOUR CODED AND LABELED.
- 23. ALL FITTINGS & BRANCH PIPES FROM RISERS TO HAVE INDIVIDUAL ISOLATING 24. ALL PIPE SIZES TO CONFORM WITH ARCHITECTS SANITARY SCHEDULES.
- 25. UNDERGROUND PIPES TO BE WRAPPED IN DENSO.
- 26. STRAINER TO BE POSITIONED HORIZONTALLY.
- 27. ON COMPLETION, THE INSTALLATION SHALL BE STERILIZED & TESTED TO THE ENGINEERS SPECIFICATIONS.

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A 2024-07-08 S.M. HIAC STAGE 4
REV DATE BY If drawing status = construction, a signed copy of this drawing (either in hardcopy or electronic format) is available at the office of origin and at the office of issue.

DRAWING STATUS:



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DEPARTMENT OF HEALTH

INCLINE ARCHITECTS

THULASIZWE CLINIC

SITE PLAN SCALE @ A0: As indicated R.G. N.K. DATE: 2024-08-14 S.M. S.M. PROJECT No: DRAWING No: D0741-W-WR-03 B

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