



- (A) Ø15 HOT & COLD TO WHB
- (B) Ø15 HOT & COLD TO SINK OR SHOWER
- (C) Ø15 COLD TO TOILET
- (D) Ø15 COLD TO URINAL

**LEGEND**

|  |                     |
|--|---------------------|
|  | COLD DOMESTIC WATER |
|  | VALVED OUTLET       |
|  | HOT DOMESTIC WATER  |
|  | DROPPER             |

**Equipment Schedule**

| AREA | ROOM | REFERENCE | UNIT TYPE          | QTY | COMMENTS   |
|------|------|-----------|--------------------|-----|------------|
| 1    |      |           | 10 Litre Hydroboil | 2   | 2.4KW/220V |
|      |      |           |                    |     |            |
|      |      |           |                    |     |            |
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|      |      |           |                    |     |            |
|      |      |           |                    |     |            |

1. piping installations must be avoided on the site with a 100mm plastic ring main so place to ensure the shortest possible run without compromising supply runs to blocks
2. Area isolation is not required however any connection point to a block must be valved
3. Electric geysers must conform to the "Standard Design" and solar geysers to the "Solar Design" criteria as defined in SANS 151.
4. Hot water geysers must be placed in the ceiling space above wet areas. Under no circumstances will geysers be allowed in teaching area ceiling spaces.
5. Underground piping should be color coded by either using an arctic blue pipe or applying a 10mm arctic blue line to the top of the pipe
6. All supplies to fittings should terminate in valved ends
7. No hot water supply may exceed 55°C however the supplies to the Grade R ablutions and sick rooms may not exceed 40°C
8. On electric units the thermostats must be set to 55°C and on solar units to 40°C
9. Solar absorption units must be flat panel units mounted flat on the roof pitch as close as possible to the geyser. These should face due north with an allowed deflection of 45° to east or west
10. Panel placements must be of such to mitigate risks related to theft, vandalism and injury
11. 15mm Tamper proof garden tap
12. Cold water to comply with DID standard specification

**AMENDMENTS**

| NR | DATE       | APPROVED | DESCRIPTION            | PAR |
|----|------------|----------|------------------------|-----|
| -  | 15-03-2023 | -        | ISSUED FOR INFORMATION | A   |
|    |            |          |                        |     |
|    |            |          |                        |     |
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|    |            |          |                        |     |
|    |            |          |                        |     |

**CLIENT DETAIL**



**prasa**  
PASSENGER RAIL AGENCY OF SOUTH AFRICA

**CONSULTANT DETAIL**



**KITSO BOTLHALE**  
CONSULTING ENGINEERS CESA

CONSULTANT DRAWING NUMBER: PRW10/PRASA/M2/101/A

**PROJECT STATUS**

CONCEPT DRAWING  TENDER DRAWING  APPROVED CONSTRUCTION DRAWING  AS BUILT DRAWING

PROJECT ENGINEER OF PRASA:  
NAME: M. NDEBELE SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_  
Prof Reg No: 20170193

INSPECTOR OF WORKS  
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SIGNATURE \_\_\_\_\_ DATE: 2022/09/08

**DRAWN**  
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**CONTRACT No.** \_\_\_\_\_

**PROJECT No.** KB077

**SHEET No.** 0

**PAPER SIZE** A1

**SCALE** 1:50

**DATE:** SEP 2022

**LOCATION OF PROJECT**  
**PAROW STATION**

**DESCRIPTION OF PROJECT:**  
STATIONS UPGRADING & IMPROVEMENT PROJECT

**DRAWING NAME:**  
ZONE A TICKET OFFICE GROUND FLOOR HOT AND COLD WATER LAYOUT

**PRASA DRAWING NUMBER:** PRW10/PRASA/M2/101/A