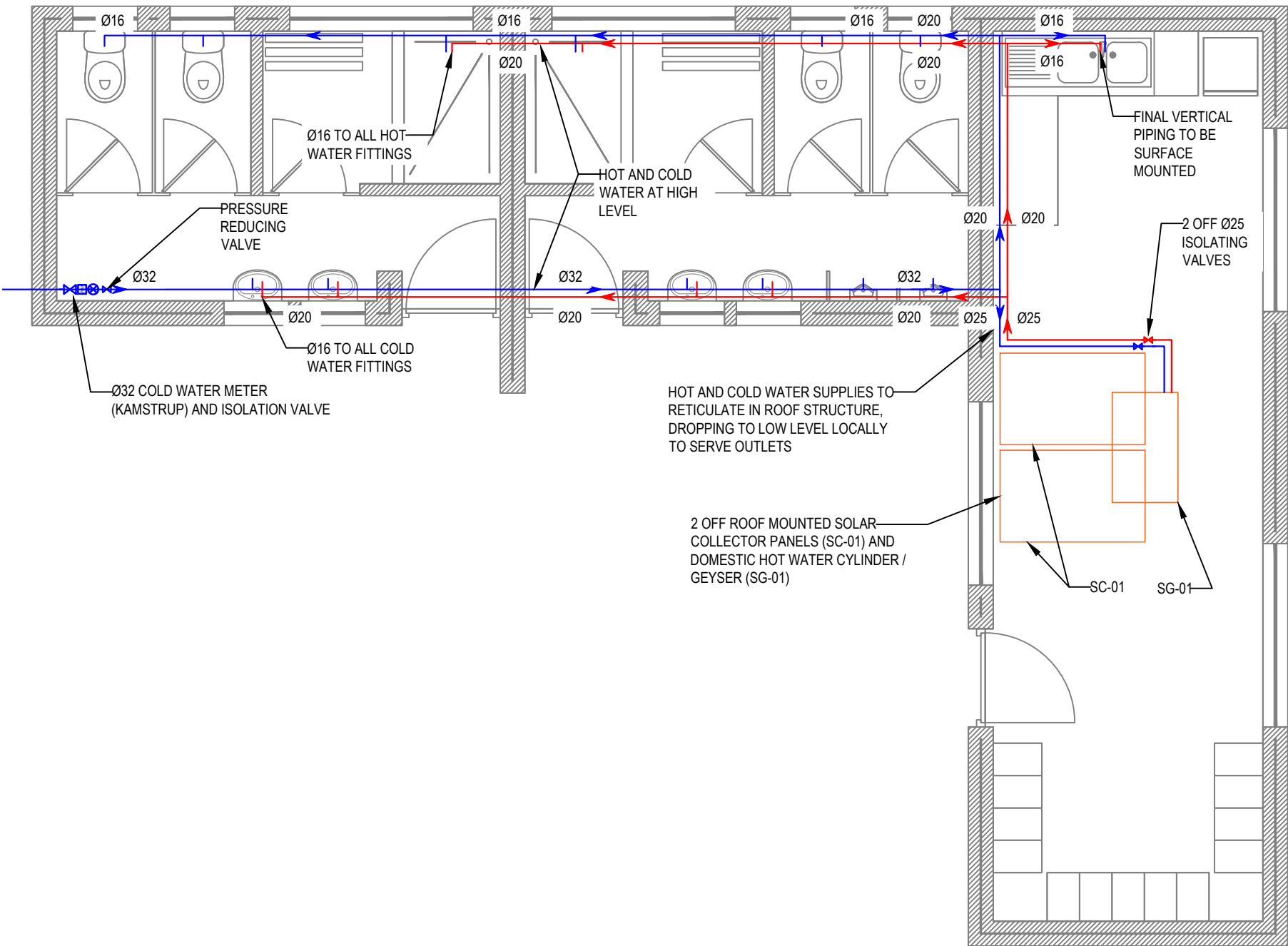




ABLUTIONS PLUMBING LAYOUT LAYOUT SCALE 1:50

REF	HOT WATER GEYSER	MAKE	MODEL	BACKUP ELEMENT (kW)	DIMENSIONS (LENGTH x Ømm)	MATERIAL	INSULATION	WORKING PRESSURE (kPa)
SG-01	HORIZONTAL INDIRECT SOLAR GEYSER	SUNTANK	150L	2.0	1020 x 610	Cylinder: Stainless-steel for high pressure grade: 441, 1.5mm Casing: Aluminium External ends: UV protected fibre-reinforced resin Indirect Heat Exchanger: Double-Jacket stainless-steel	High density polyurethane	400
OR EQUAL AND APPROVED UNIT TO MATCH SOLAR COLLECTOR								

REF	SOLAR COLLECTOR	MAKE	MODEL	DIMENSIONS (mm)	MATERIAL	INSULATION	WORKING PRESSURE (kPa)
SC-01	COLLECTOR PANEL	SUNTANK	N/A	1800 LONG 850 WIDE 95 HIGH	Manifold tubing risers & headers and inlet/outlet connections: Copper Collector plate: Copper, blackened Case: Aluminium, heat coated (black) Cover: 4mm prismatic glass, hail resistant	High density polyurethane with thermal protection	800
OR EQUAL AND APPROVED UNIT TO MATCH SOLAR GEYSER							

PLUMBING LEGEND:

	M - WATER METER
	ISOLATING VALVE
	GARDEN TAP
	NON-RETURN VALVE
	TYPICAL WATER METER INSTALLATION
	HOT WATER GEYSER
	STRAINER
	PRV(PRESSURE REDUCING VALVE)
	PUMP
	ACCESS HATCH
	NON-POTABLE WATER
	BOREHOLE WATER
	COLD WATER SUPPLY
	HOT WATER SUPPLY
	PIPE RUN SUB - SURFACE
	PIPE CHASED IN WALL/FLOOR
	PIPE UNDER SOFFIT / IN CEILING SPACE
	DOWN
	UP

PLUMBING NOTES:

- PLUMBING INSTALLATION TO COMPLY WITH SANS 10252.
- ALL DETAILS, DIMENSIONS AND LEVELS TO BE CHECKED ON SITE BEFORE COMMENCEMENT OF WORK.
- ALL ABOVE GROUND PIPES TO BE SERBICO PPR PN 16(OR SIMILAR APPROVED), UNLESS OTHERWISE STATED.
- ALL HOT WATER PIPES SHALL BE INSULATED TO SANS 10252. THERMAL CONDUCTIVITY GUIDELINES. EXTERNAL HOT WATER MUFFS TO PROTECT AGAINST THE WEATHER. PIPING 2.0M AROUND HOT WATER STORAGE TANKS TO BE COPPER.
- ALL FITTINGS TO BE OF THE SAME MANUFACTURE AS THE PIPES AND ALL CUTTING AND JOINTING ON SITE TO BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- PIPING AND SANITARY FITTINGS TO BE CLEARED OF ALL DEBRIS AT FINAL INSPECTION AND HAND OVER OF THE PROJECT. ADEQUATE ACCESS TO BE PROVIDED FOR INSPECTION, TESTING AND MAINTENANCE.
- AS BUILT DRAWINGS TO BE PRODUCED BY THE PLUMBER AND TO BE ISSUED TO THE ENGINEERING CONSULTANTS.
- PIPE SIZES ON DRAWINGS ARE DN(NOMINAL DIAMETER) AND NOT EXTERNAL DIAMETER.
- ALL SETTING OUT TO BE DONE TO ARCHITECTS DRAWINGS AND DIMENSIONS.

WHB:	WASH HAND BASIN, DN15 @ 450 AFFL
WC:	WATER CLOSET, DN15 @ 300 AFFL
PB:	PREP BOWL, DN15 @ 450 AFFL
SH:	SHOWER, DN15
B:	BATH, DN15
WM:	WASHING MACHINE, DN15 @ 450 AFFL
DW:	DISH WASHER, DN15 @ 450 AFFL
S:	SINK, DN15 @ 450 AFFL
UR:	URINAL, DN15 @ 400 AFFL
HT:	HOSE TAP, DN15 @ 700 AFFL
WT:	WATER TROUGH, DN 15 @ 450 AFFL
G:	GEYSER
O:	CONVO OVEN, DN 15
WP:	COLD WATER POINT, DN 15

0 5 10 15 20 30 50mm
ORIGINAL SIZE A3

B	26/04/2022	FOR TENDER	MM
A	28/02/2022	FOR INFORMATION	MM
Rev.	Date	Description	Rev. by

Client/Employer

LANGBERG
MUNICIPALITEIT MUNICIPALITY MASIPALA

ELEMENT
Consulting Engineers
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Project			
ASHTON MATERIAL RECOVERY FACILITY			

Plan Description			
SANITARY PLUMBING SUPPLY ABLUTIONS			

Designed	PF	Scale	1:50
Drawn	MM	Date	FEB 2022
Checked	PF	Approved	
20160846			

Contract No.	2104161
Drawing No.	2104161/M/300
Revision	A B

ARCHITECT	-
Project/DWG No.	2104161 - ASHTON MRF CIVIL SERVICES
REvision	-
Date Received	25/02/22

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P:\Durbanville\2021\2104161 - Ashton Material Recovery Facility\G - Drawings\G08 - Working Drawings\G08_MRF\Sanitary Plumbing\2104161_M-300_R08.dwg