

**FLOOR PLAN AND ELECTRICAL LAYOUT
SCALE 1:100**

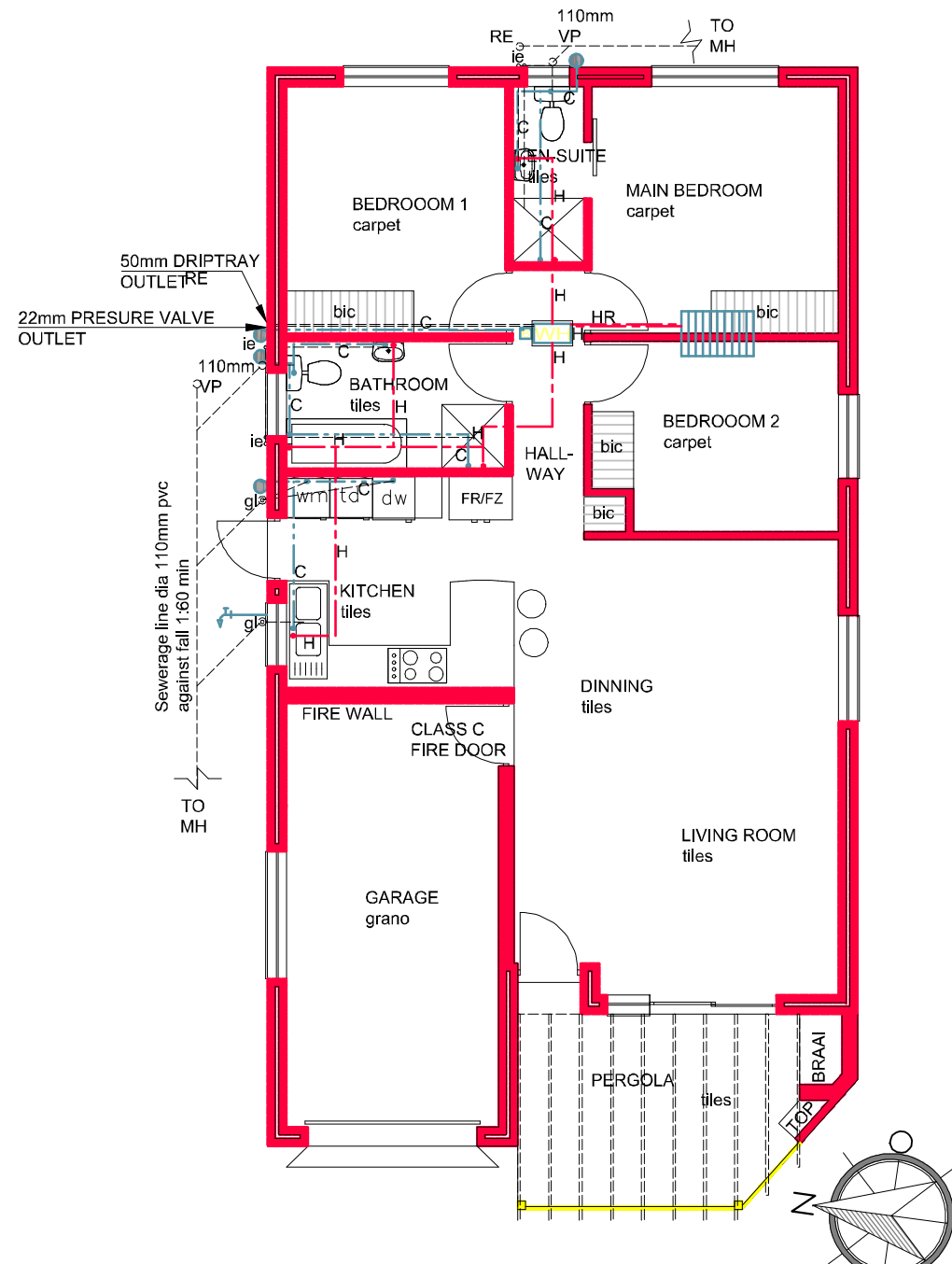
HOT WATER SYSTEM NOTE:
1 X 16 EVAQUATED TUBE RETROFIT SOLAR HOT WATER HEATING SYSTEM CONNECTED TO A 150LT KWIKHOT GEYSER SYSTEM OR SIMILAR. COMPLIANT TO SANS1307.

LIGHTING ENERGY DEMAND:
ALLOWED: 5W/m²

5W/m² x 118.72m² = 593.60W

11 x 11W CF lamps = 121W
5 x 32W F lamps = 160W
1 x 60W MF lamps = 341W

OR
341W/118.72m² = 2.87W/m² (<5W/m²)



**WATER AND SEWERAGE LAYOUT
SCALE 1:100**

ROOF ASSEMBLIES INSULATION VALUES:

R-VALUE REQUIRED:	3.7m ² - k/w
CLIMATIC ZONE:	4
DIRECTION OF HEAT FLOW:	UP
R-VALUE (m ² -k/w) OF METAL ROOF COVERING MATERIAL:	0.30
R-VALUE OF CEILING:	0.05
ADDED R-VALUE OF ISOTHERM 100mm INSULATION:	2.04
ADDED R-VALUE OF DOUBLE SIDED RADENSHIELD INSULATION:	1.59
R-VALUE ACHIEVED:	3.98m ² k/w

- ELECTRICAL SYMBOL LAY-OUT**
- ⊕ CEILING LIGHT
 - DOWN LIGHT
 - ⌞ WALL LIGHT
 - HR HEAT RESISTANT WALL LIGHT
 - WP WATER PROOF WALL LIGHT
 - STAIRLIGHT
 - ⌞ OUTSIDE BOXED DOUBLE WALL PLUG
 - ⌞ DOUBLE WALL PLUG
 - ⌞ STOVE/OVEN POINT
 - LIGHT SWITCH
 - ▭ FLORESCENT LIGHT
 - ▭ DISTRIBUTION BOARD
 - ⌞ T.V. POINT
 - △ INTERCOM POINT
 - ▶ TELEPHONE AND INTERNET POINT

ALL INSPECTIONS BY APPOINTED PROFESSIONAL PERSONS WITH RELEVANCE TO THE BUILDING PLANS REMAINS THE RESPONSIBILITY OF THE OWNER AND SHOULD BE ARRANGED 24 HOURS BEFORE HAND.

AREA SCHEDULE:

NEW DWELLING: 118.72m²

ERF: 281.15m²

COVERAGE: 42.22%

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PROJECT TITLE: PROPOSED NEW DWELLING
FOR OWNER: SEEGENOT ONTWIKKELING
ERF NO: PORTION 33 OF FARM 136
TOWNSHIP: GROOTBRAK
MUNICIPALITY: MOSSEL BAY
CREATED BY: ENGELA MOGEE
DATE: OKTOBER 2017
DRAWING: 097
SHEET: 001
SCALE: -----
OWNER'S SIGNATURE:
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