

FLOOR PLAN AND ELECTRICAL LAYOUT
SCALE 1:100

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.

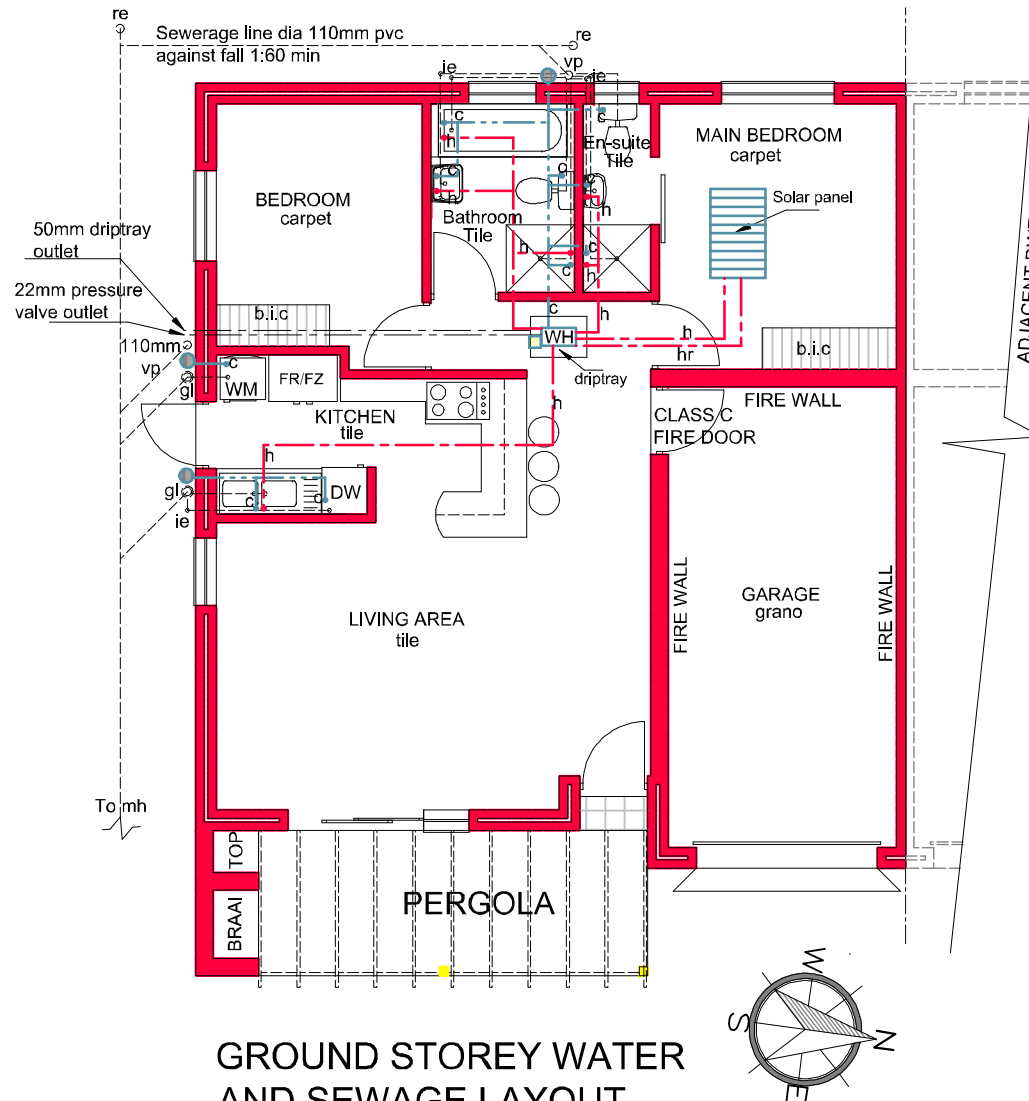
LIGHTING ENERGY DEMAND:
ALLOWED: 5W/m²

5W/m² x 89.36m² = 446.80W

12 x 11W CF lamps = 132W
 3 x 32W F lamps = 96W
 1 x 40W H lamp = 40W
 = 268W

OR

268W/89.36m² = 2.99W/m² (<5W/m²)



GROUND STOREY WATER AND SEWAGE LAYOUT
SCALE 1:100

SEWERAGE NOTE

i.e Inspection eye
 r.e Roding eye
 mh Man hole
 mc Municipal connection
 vp 110mm Ventelation pipe
 vpo 110mm ventelation pipe outlet
 gl Gully (150mm min above unfinished ground level) or (50mm min above finished ground level)

Sewerage line dia 110mm pvc against fall 1:60 min with 450 BD

AREA SCHEDULE: UNIT A1

NEW DWELLING: 89.36m²
 PERGOLA: 9.81m²
 ERF: 179.12m²
 COVERAGE: 49.88%

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 |

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.

GARDEN ROUTE HOUSE PLANS

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| |
|----------------------------------|
| PROJECT TITLE: NEW DWELLING |
| FOR OWNER: SEEGENOT ONTWIKKELING |
| ERF NO: PLAN A1 |
| TOWNSHIP: TERGNIET |
| MUNICIPALITY: MOSSEL BAY |
| CREATED BY: ENGELA MOGGEE |
| DATE: NOVEMBER 2017 |
| DRAWING: |
| SHEET: 001 |
| SCALE: ----- |
| OWNER'S SIGNATURE: |
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- ELECTRICAL SYMBOLS:**
- CEILING LIGHT
 - DOWN LIGHT
 - WALL LIGHT
 - HEAT RESISTANT WALL LIGHT
 - 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