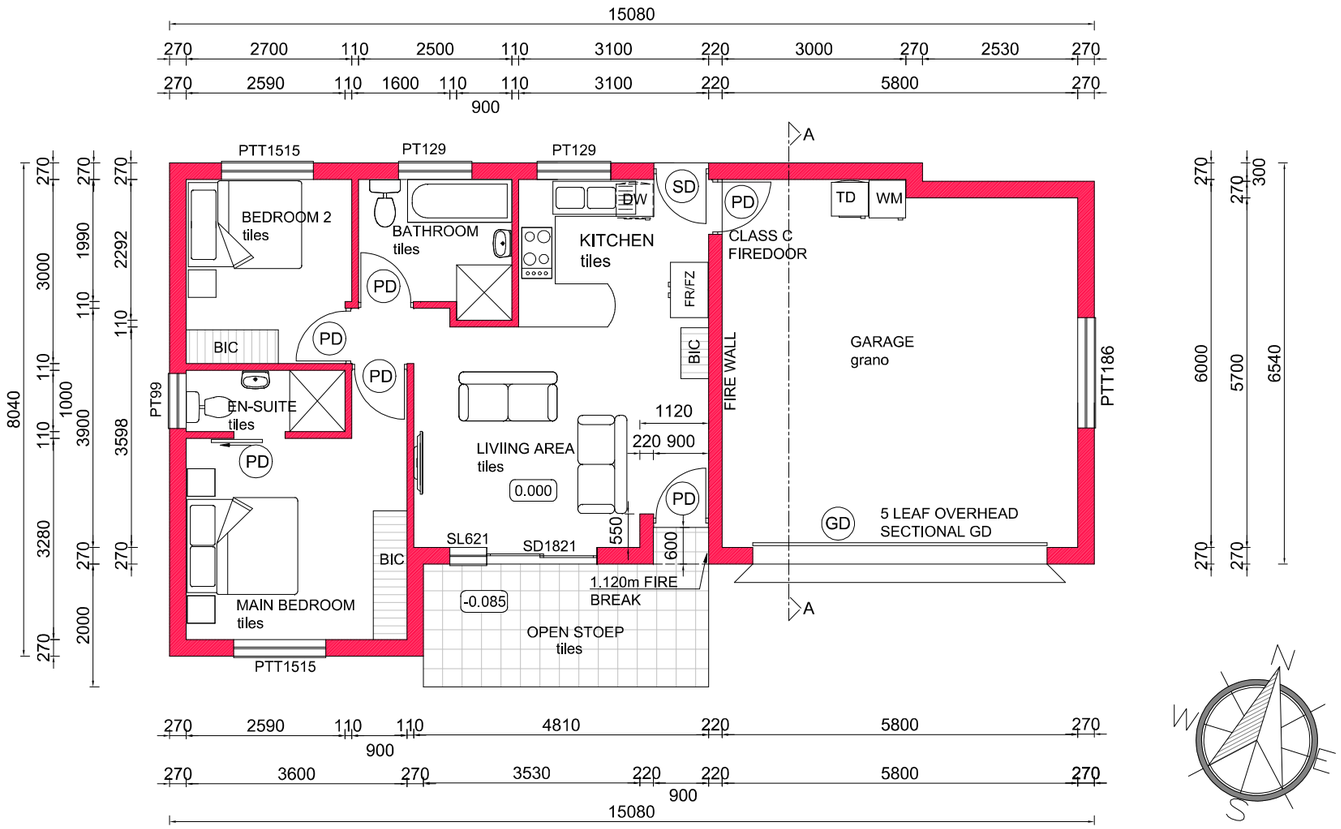

FLOOR PLAN
SCALE: 1:100

AREA SCHEDULE:

NEW DWELLING: 104m²

OPEN STOEP: 9.30m²

ERF: 359.70m²

COVERAGE: 28.91%

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.

NATURAL VENTILATION

Window to floor area ratio for Storey 1 is 19.41 %

CONSTANTS

Conductance Constant for Storey 1 is 64.46 X 1.40 = 90.25
SHG Constant for Storey 1 is 64.46 X 0.13 = 8.38

CONDUCTANCE

Conductance of Window is 0.81 X 7.90 = 6.40
Conductance of Window is 2.25 X 7.90 = 17.78
Conductance of Window is 3.78 X 5.73 = 21.66
Conductance of Window is 1.26 X 5.73 = 7.22
Conductance of Window is 2.25 X 7.90 = 17.78
Conductance of Window is 1.08 X 5.73 = 6.19
Conductance of Window is 1.08 X 7.90 = 8.53

Total Conductance for Storey 1 is 85.55 PASS

SOLAR HEAT GAIN

NORTH

Solar heat gain of Window (P=600.00, G=300.00, P/H=0.33) is 2.25 X 0.81 X 0.4 = 0.73
Solar heat gain of Window (P=600.00, G=300.00, P/H=0.33) is 2.25 X 0.81 X 0.4 = 0.73
Solar heat gain of Window (P=600.00, G=300.00, P/H=0.50) is 1.08 X 0.66 X 0.33 = 0.24
Solar heat gain of Window (P=600.00, G=300.00, P/H=0.50) is 1.08 X 0.81 X 0.33 = 0.29

SOUTH

Solar heat gain of Window (P=600.00, G=300.00, P/H=0.25) is 3.78 X 0.66 X 0.42 = 1.05
Solar heat gain of Window (P=600.00, G=300.00, P/H=0.25) is 1.26 X 0.66 X 0.42 = 0.35

WEST

Solar heat gain of Window (P=600.00, G=300.00, P/H=0.50) is 0.81 X 0.81 X 0.83 = 0.54

Total Solar Heat Gain for Storey 1 is 3.92 PASS

GARDEN ROUTE HOUSE PLANS
AP OUDSHOORN (Pr Arch D)
P O BOX 986
KLEINBRAKRIVIER 6503
CELL 0823363616
E-MAIL: info@gardenroutehouseplans.co.za
WEB-SITE:www.gardenroutehouseplans.co.za
SACAP reg no:PAD20570

PROJECT TITLE: PROPOSED NEW DWELLING
FOR OWNER:
ERF NO: 1181
TOWNSHIP:
MUNICIPALITY: MOSSEL BAY
CREATED BY: JUSTIN BRECKLE
DATE:
DRAWING:
SHEET: 001
SCALE: ----------
OWNER'S SIGNATURE:
(C) COPYRIGHT RESERVED