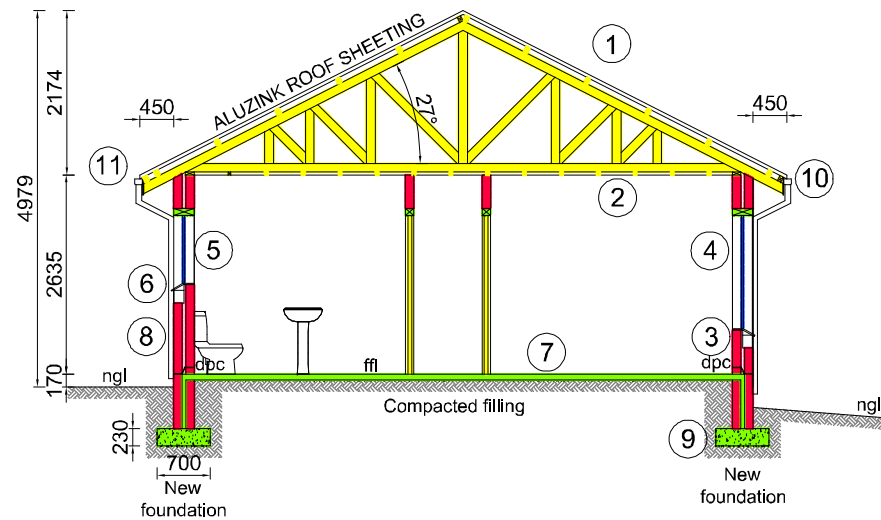


SITE PLAN
SCALE 1:200



SECTION A-A
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.

AREA SCHEDULE: PLAN H

NEW DWELLING: 122.94m²
PERGOLA: 6.21m²

ERF: 246.00m²

COVERAGE: 49.89%

MATERIAL DESCRIPTION

- CHARCOAL COLOUR BOND ALUZINK ROOF SHEETING AT 27° PITCH FIXED ONTO 50X76mm SA PINE PURLINS AT 900mm c/c FIXED ONTO DOUBLE SIDED RADENSHIELD ISOLATION FIXED ONTO 38x114mm ROOF TRUSSES AT 900mm c/c MAX. FIXED ONTO 114x38mm WALLPLATES. ROOF DESIGNED BY ROOF SPECIALIST. ADDED 100mm ISOTHERM OR SIMILAR INSULATION.
- NUTEC CEILINGS AND CORNICES WITH H-STRIPS FIXED TO 38x38mm ROOF BATTENS AT 400mm c/c PAINTED AS TO OWNERS SPECIFICATION.
- 76mm HARDWOOD SKIRTINGS-FINISHED TO OWNERS SPECIFICATION .
- STANDARD (WHITE) EPOXY ALUMINIUM WINDOWS.
- INSIDE WINDOW SILLS-PLASTERED AND PAINTED.
- OUTSIDE WINDOW SILLS-PLASTER AND PAINTED.
- TILES FIXED ONTO 30mm SCREED ONTO 75mm CONCRETE SLAB LAYED ONTO WATERPROOFING MEMBRANE, LAYED ONTO 50mm SAND LAYER ONTO COMPACTED FILLING.
- 270mm BRICK CAVITY EXTERNAL WALLS. PLASTER AND PAINTED. 110mm BRICK INTERIOR WALLS. PLASTERED AND PAINTED TO OWNER SPECIFICATIONS.
- CONCRETE FOUNDATIONS ACCORDING TO ENG. SPECIFICATIONS.
- ALUMINIUM O-GEE RAINWATER GOODS AND DOWN PIPES
- 10x225mm FIBRE CEMENT FACIAS PAINTED AS TO OWNERS SPECIFICATION .
- STANDARD WHITE EPOXY ALUMINIUM SLIDING DOORS.
- SEWER 110mm UPVC PIPE WITH A MIN FALL 1:60 TO CONNECT TO MUNICIPAL CONNECTION.
- CEMENT PAVER BRICKS IN DRIVEWAY AS PER OWNER SPECIFICATIONS.
- BRAAI NOTE: NEW 230mm BRICK WALL WITH BRICKFORCE ADDED EVERY 3 LAYERS ON 15mpa CONCRETE FOUNDATION. BRAAI PLATFORM: 110mm LINTELS
- AMALFI JADE TAP SET. COMBO BATH SET, TOILET, SHOWER, BASIN. BATH - WHITE CORAL THANDI. TOILET/BASIN - BETTA AS PER CTM
- TIP UP GARGAGE DOOR.

FENESTRATION CALCULATION
NATURAL VENTILATION

Window to floor area ratio for Storey 1 is 17.46 %

CONSTANTS

Conductance Constant for Storey 1 is 84.56 X 1.40 = 118.38
SHG Constant for Storey 1 is 84.56 X 0.13 = 10.99

CONDUCTANCE

Conductance of Window is 1.80 X 7.90 = 14.22
Conductance of Window is 0.54 X 7.90 = 4.27
Conductance of Window is 2.25 X 7.90 = 17.78
Conductance of Window is 1.80 X 7.90 = 14.22
Conductance of Window is 2.25 X 7.90 = 17.78
Conductance of Window is 1.35 X 7.90 = 10.66
Conductance of Window is 3.15 X 7.90 = 24.89
Conductance of Window is 0.81 X 7.90 = 6.40
Conductance of Window is 0.81 X 7.90 = 6.40

Total Conductance for Storey 1 is 116.60 PASS

SOLAR HEAT GAIN

NORTH

Solar heat gain of Window (P=450.00, G=200.00, P/H=0.41) is 0.81 X 0.81 X 0.36 = 0.24
Solar heat gain of Window (P=450.00, G=200.00, P/H=0.41) is 0.81 X 0.81 X 0.36 = 0.24

EAST

Solar heat gain of Window (P=450.00, G=200.00, P/H=0.26) is 1.80 X 0.81 X 0.84 = 1.22
Solar heat gain of Window (P=450.00, G=200.00, P/H=0.41) is 0.54 X 0.81 X 0.71 = 0.31

SOUTH

Solar heat gain of Window (P=450.00, G=200.00, P/H=0.26) is 2.25 X 0.81 X 0.42 = 0.77
Solar heat gain of Window (P=450.00, G=200.00, P/H=0.26) is 1.80 X 0.81 X 0.42 = 0.61
Solar heat gain of Window (P=450.00, G=200.00, P/H=0.26) is 2.25 X 0.81 X 0.42 = 0.77
Solar heat gain of Window (P=450.00, G=200.00, P/H=0.26) is 1.35 X 0.81 X 0.42 = 0.46

WEST

Solar heat gain of Window (P=450.00, G=200.00, P/H=0.20) is 3.15 X 0.81 X 1.12 = 2.86

Total Solar Heat Gain for Storey 1 is 7.47 PASS

GARDEN ROUTE HOUSE PLANS

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WEB-SITE:www.gardenroutehouseplans.co.za
SACAP reg no:PAD20570

PROJECT TITLE: NEW DWELLING
FOR OWNER: SEEGENOT ONTWIKKELING
ERF NO: PLAN H
TOWNSHIP: TERGNIET
MUNICIPALITY: MOSSEL BAY
CREATED BY: ENGELA MOGGEE
DATE: FEBRUARY 2018
DRAWING:
SHEET: 003
SCALE: -----
OWNER'S SIGNATURE:
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