



SECTION A-A
SCALE 1:100

MATERIAL DESCRIPTION

1. 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.
2. NUTEC CEILINGS AND CORNICES WITH H-STRIPS FIXED TO 38x38mm ROOF BATTENS AT 400mm c/c PAINTED AS TO OWNERS SPECIFICATION.
3. 76mm HARDWOOD SKIRTINGS-FINISHED TO OWNERS SPECIFICATION .
4. STANDARD (WHITE) EPOXY ALUMINIUM WINDOWS.
5. INSIDE WINDOW SILLS-PLASTERED AND PAINTED.
6. OUTSIDE WINDOW SILLS-PLASTER AND PAINTED.
7. TILES FIXED ONTO 30mm SCREED ONTO 75mm CONCRETE SLAB LAYED ONTO WATERPROOFING MEMBRANE, LAYED ONTO 50mm SAND LAYER ONTO COMPACTED FILLING.
8. 270mm BRICK CAVITY EXTERNAL WALLS. PLASTER AND PAINTED. 110mm BRICK INTERIOR WALLS. PLASTERED AND PAINTED TO OWNER SPECIFICATIONS.
9. CONCRETE FOUNDATIONS AND DUNE BLOCKS ACCORDING TO ENG. SPECIFICATIONS.
10. ALUMINIUM O-GEE RAINWATER GOODS AND DOWN PIPES
11. 10x225mm FIBRE CEMENT FACIAS PAINTED AS TO OWNERS SPECIFICATION .
12. STANDARD WHITE EPOXY ALUMINIUM SLIDING DOORS.
13. 1m TIMBER BALUSTRADE WITH OPENINGS NOT EXCEEDING 100mm.
14. SEWER 110mm UPVC PIPE WITH A MIN FALL 1:60 TO CONNECT TO MUNICIPAL CONNECTION.
15. CEMENT PAVER BRICKS IN DRIVEWAY AS PER OWNER SPECIFICATIONS.
16. BRAAI NOTE: NEW 220mm BRICK WALL WITH BRICKFORCE ADDED EVERY 3 LAYERS ON 15mpa CONCRETE FOUNDATION. BRAAI PLATFORM: 110mm LINTELS
17. ALUZINK FLASHING AND WATERPROOFING MEMBRANE AGAINST CHIMNEY AND ROOF SHEETING.
18. AMALFI JADE TAP SET. COMBO BATH SET, TOILET, SHOWER, BASIN. BATH - WHITE CORAL THANDI. TOILET/BASIN - BETTA AS PER CTM
19. TIP UP GARGAGE DOOR.

WINDOW AND DOOR SCHEDULE

	W1	W2	W3	W4
	PTT1515	PT69	PTT1815	PTT1215
QTY.	2	1	1	1
FRAME	WHTIE ALUMINIUM		FRAME WHITE ALUMINIUM	
GLASS	SINGLE STANDARD GLASS		GLASS SINGLE STANDARD GLASS	
TINT	N/A		TINT N/A	
	W5	W6	W7	
	SL621	PTT186	PT99	
QTY.	1	1	2	
FRAME	WHITE ALUMINIUM		FRAME WHITE ALUMINIUM	
GLASS	SINGLE STANDARD GLASS		GLASS SINGLE STANDARD GLASS	
TINT	N/A		TINT N/A	
	D1	D2	D3	D4
	PD1	SD1	SD1821	FIRE DOOR
QTY.	5	1	1	1
FRAME	TIMBER		FRAME TIMBER	
GLASS	N/A		GLASS N/A	
TINT	N/A		TINT N/A	
	D5			
QTY.	1			
FRAME	FIBERGLASS			
GLASS	N/A			
TINT	N/A			

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

FENESTRATION CALCULATION
NATURAL VENTILATION

Window to floor area ratio for Storey 1 is 17.26 %

CONSTANTS

Conductance Constant for Storey 1 is 93.86 X 1.40 = 131.40
SHG Constant for Storey 1 is 93.86 X 0.13 = 12.20

CONDUCTANCE

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 2.70 X 7.90 = 21.33
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 3.78 X 7.90 = 29.86
Conductance of Window is 1.26 X 7.90 = 9.95
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 127.98 PASS

SOLAR HEAT GAIN

NORTH

Solar heat gain of Window (P=600.00, G=300.00, P/H=0.50) is 0.54 X 0.81 X 0.33 = 0.14
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 2.70 X 0.81 X 0.4 = 0.87

EAST

Solar heat gain of Window (P=600.00, G=300.00, P/H=0.33) is 1.80 X 0.81 X 0.75 = 1.09
Solar heat gain of Window (P=600.00, G=300.00, P/H=0.33) is 2.25 X 0.81 X 0.75 = 1.37

SOUTH

Solar heat gain of Window (P=600.00, G=300.00, P/H=0.25) is 3.78 X 0.81 X 0.42 = 1.29
Solar heat gain of Window (P=600.00, G=300.00, P/H=0.25) is 1.26 X 0.81 X 0.42 = 0.43

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
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 7.01 PASS

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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 MOGGEE
DATE: OKTOBER 2017
DRAWING: 097
SHEET: 003
SCALE: -----
OWNER'S SIGNATURE:
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