

ROOF LAYOUT SCALE 1:75

ROOF ASSEMBLY/CORRUGATE IRON

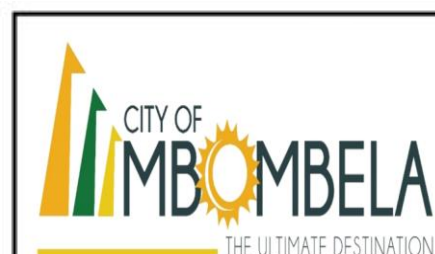
Occupancy:	A5
Design Occupancy Time:	24 Hours per day 7 Days per week
Climatic zone:	3

SANS 10400 - XA REQUIRED R-VALUE	
Minimum total R-Value required:	2.70mK1W1
Direction of heat flow:	Down and up

CONSTRUCTION TYPE R-VALUE	
Basic roof assembly:	Skillion 2° to 12°
R-value for roof covering material:	0.35mK1W1
R-value for ceiling:	0.05mK1W1
Required added R-value for insulation:	2.30mK1W1

SANS 204 REQUIRED R-VALUE	
CONSTRUCTION TYPE R-VALUE	
Roof venting:	Unventilated
Basic roof construction:	Roof 2° to 12° with horizontal ceiling

BASIC R-VALUE FOR ROOF		
Direction of heat flow:	UP	DOWN
Outdoor air film (7m/s):	0.03	0.03
Roof tile/clay or concrete (1922kg/m³):	0.00	0.00
Roof air space (non-reflective):	0.15	0.22
Plasterboard/gypsum (10mm, 880kg/m³):	0.06	0.06
Indoor air film (still air):	0.11	0.16
Total R-Value:	0.35	0.47 mK1W1



TEL (013) 759 9111 P.O.Box 45
FAX (013) 759 2070 Nelspruit 1200

Approved for Construction by:

H.v.Rooyen _____
Date _____
M Pearson _____
Date _____

Bargeboards & Fascias:

Ensure that all surfaces are dry, sound and free from dust, dirt, grease and oil before applying paint. Prime brass screws for fixing fascias with PLASCON GLATEX 8 WASH PRIMER (PL200). Clean galvanised driving screws for fixing barge boards with PLASCON GALVANISED IRON CLEANER (IGIC 1) to remove temporary protective coatings and other contaminants to achieve a water break-free surface. Rinse thoroughly with fresh water and allow to dry.

Flashing:

0.6mm sheet metal, shaped to form waterproof finish. Flashings at gable walls and parapet walls to have chromodeck finish. Colour to match roof. Waterproof with Seal O Flex if less than 26°. Pre-fabricated roof trusses min 650mm eave over hang. Bracingrunners and geyser support to design criteria specified to carpenter. Install Sisalation 405FR insulation with 50mm Aerolite SABS Approved underlay. Roof to be signed off by specialist. ITC certified.

Timber:

All timber used in the erection of a building shall be treated against termite and wood borer attack and fungal decay in accordance with the requirements of SANS 10005 and shall bear the product certification mark of a body verified by SANAS.

Anchor wires for roof trusses to be built into wall at least 6 courses down.

Ceiling:

0.6mm Gypsum ceiling boards to be joined with steel strips.

Suitable Insulation material in ceiling.

(If applicable) Plaster to underside of slab.

Sponge finish. Paint undercoat & two coats acrylic PVA.

ROOF NOTES

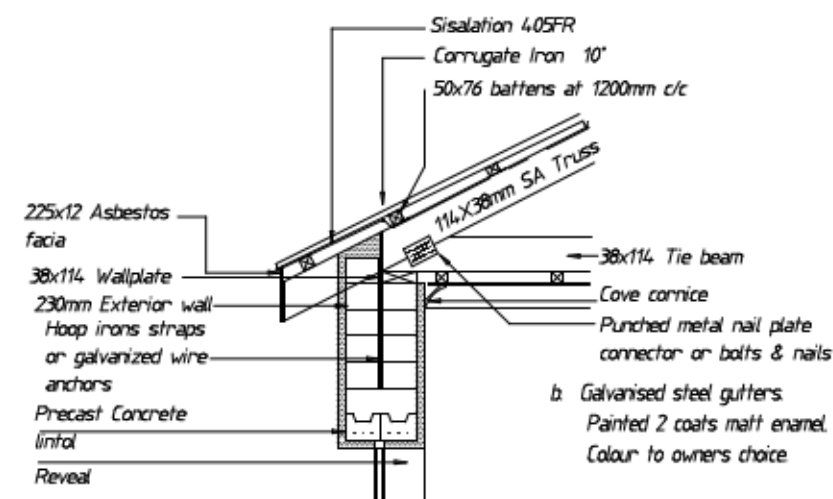
ROOF

0.6mm Corrugate sheet metal roof
colour: owners choice.
0.6mm metal flashing with CHROMODECK
finish colour: owners choice
Roof Pitch: 10°
poly Carbon section in centre between male and female bathroom.
Roof Trusses: Pre-fabricated min 650mm eave over hang. Bracingrunners and geyser support to design criteria specified to carpenter. SA Pine
Purlins: 50x76mm at max. 1200mm c/c.
SA Pine gangnail trusses: 114x38 at 900c/c on Wall plate: 38x114mm SABS Approved underlay. Fascia boards: 12x225mm fibre cement. Galv. hoop iron ties build in min 6 courses deep. 2x4mm GI/wire ties build in min. 600mm/7 courses.
Gutters & Downpipes
Gutters and downpipes to owners choice. SABS Approved underlay. Make use of appropriate flashing around chimneys.

All roof structures & roof components according to SANS 10400 Part L1 L2 L3 and Roof Specialist!

Gutters need to be installed if roof-overhang is closer than 500mm to the boundary line.

ROOF ACCORDING TO SPECIALIST



ROOF DETAIL N.T.S

PROJECT:

PLAN

ROOF LAYOUT

SCALE:	DRAWING No:	DATE:	PAGE:
AS SHOWN	MC-003	14/14/15	0003

DRAUGHTSPERSON SIGNATURE:	CLIENT SIGNATURE:
C. SCHREUDER CAD/10	