

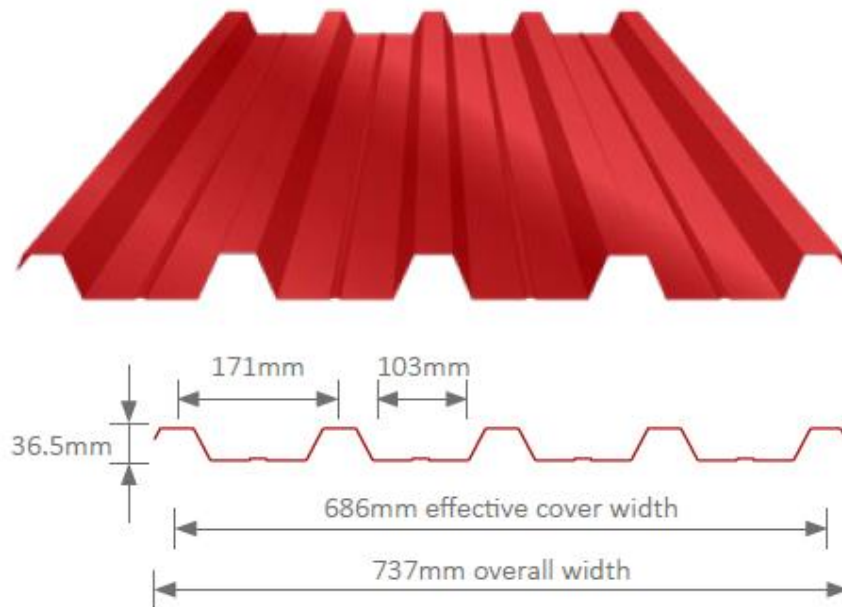
ANNEXURE C2.3 - SCOPE OF WORKS

1. Civil Workshop

1.1 Installation of Roof Sheeting

The works comprise of replacing the existing roof sheets at the civil workshop and various areas noted in the scope below.

The roof sheets of the workshop are supported by steel trusses fixed to a 230mm thick brick wall; they are to be replaced with colour coated (Sunset Red/Kalahari Red) Chromadek IBR profiled sheets of 0.58mm thickness. The roof sheets shall be installed as per the manufacture's specification, and the correct Class of fastener shall be used as specified by the manufacturer.



Overlapping of sheets will not be allowed, only full-length sheets shall be used.

Portion A & C are mono-pitch roofs; however, no flashing will be required as the roofing overlaps over the walls.

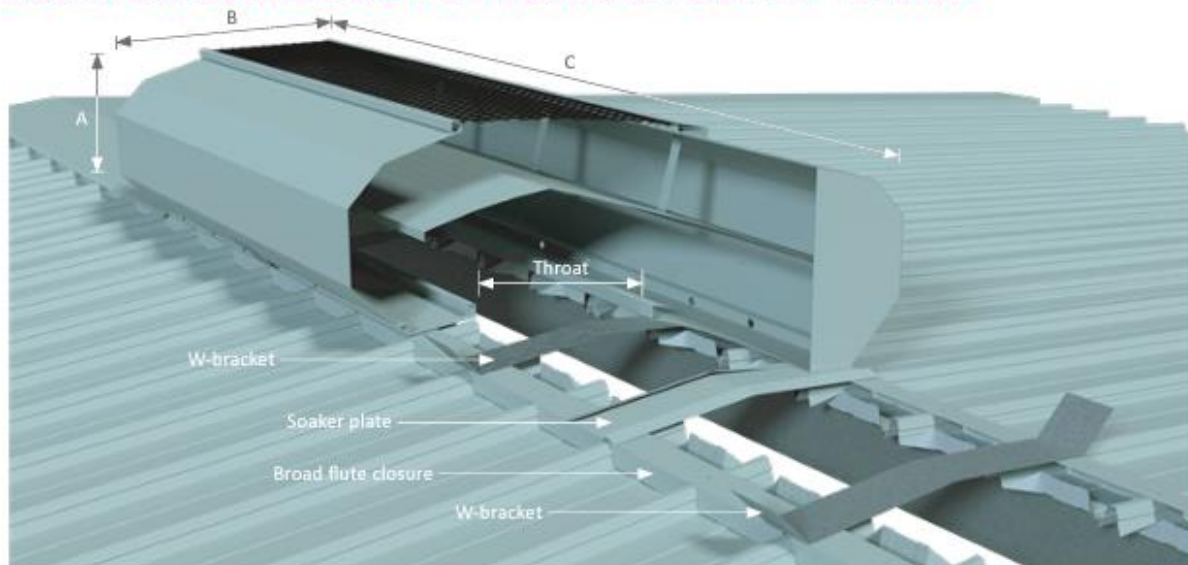
Portion D is a mono-pitch roof, and a side flashing of the same colour and thickness as the roof sheets shall be used along the walls. Portion B is a double-pitched roof, and ridge

flashing shall be used along the ridge.

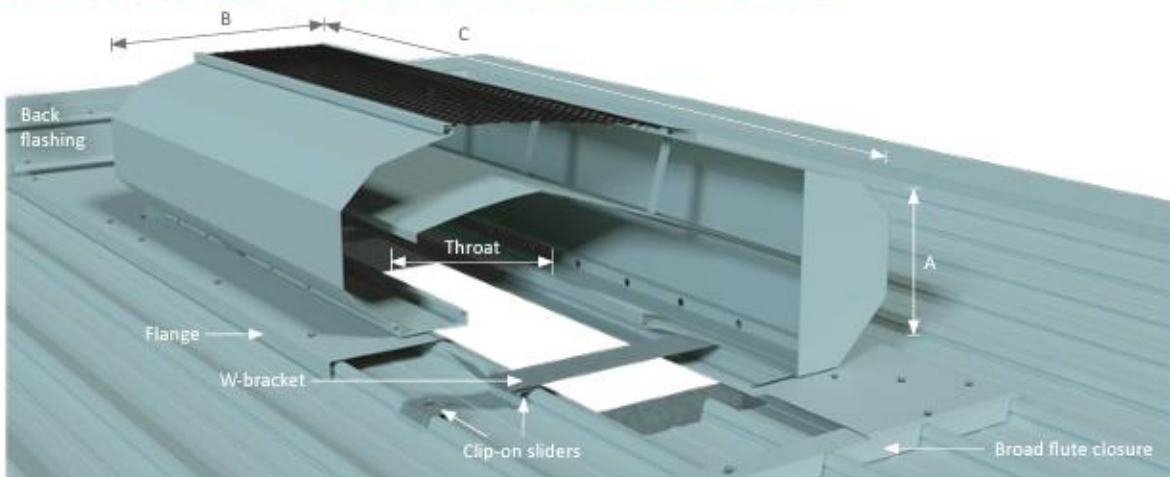
Steel channels (300mm x 20mm) will be used as facias and shall be installed at the outer perimeter of the roof unit.

The existing ventilators shall be replaced with ridge/slope ventilators with a 450mm throat in Sunset Red / Kalahari Red, mounted to the appropriate support brackets, with a metal stitching fastener and flashed according to the manufacture's specification.

RIDGE VENTILATOR FIXED TO PIERCED/CONCEALED FIX ROOF SHEETING



SLOPE VENTILATOR FIXED TO CONCEALED FIX ROOF SHEETING



A= 590mm, B=1276mm, C=2450 (These measurements apply for both ventilator types)

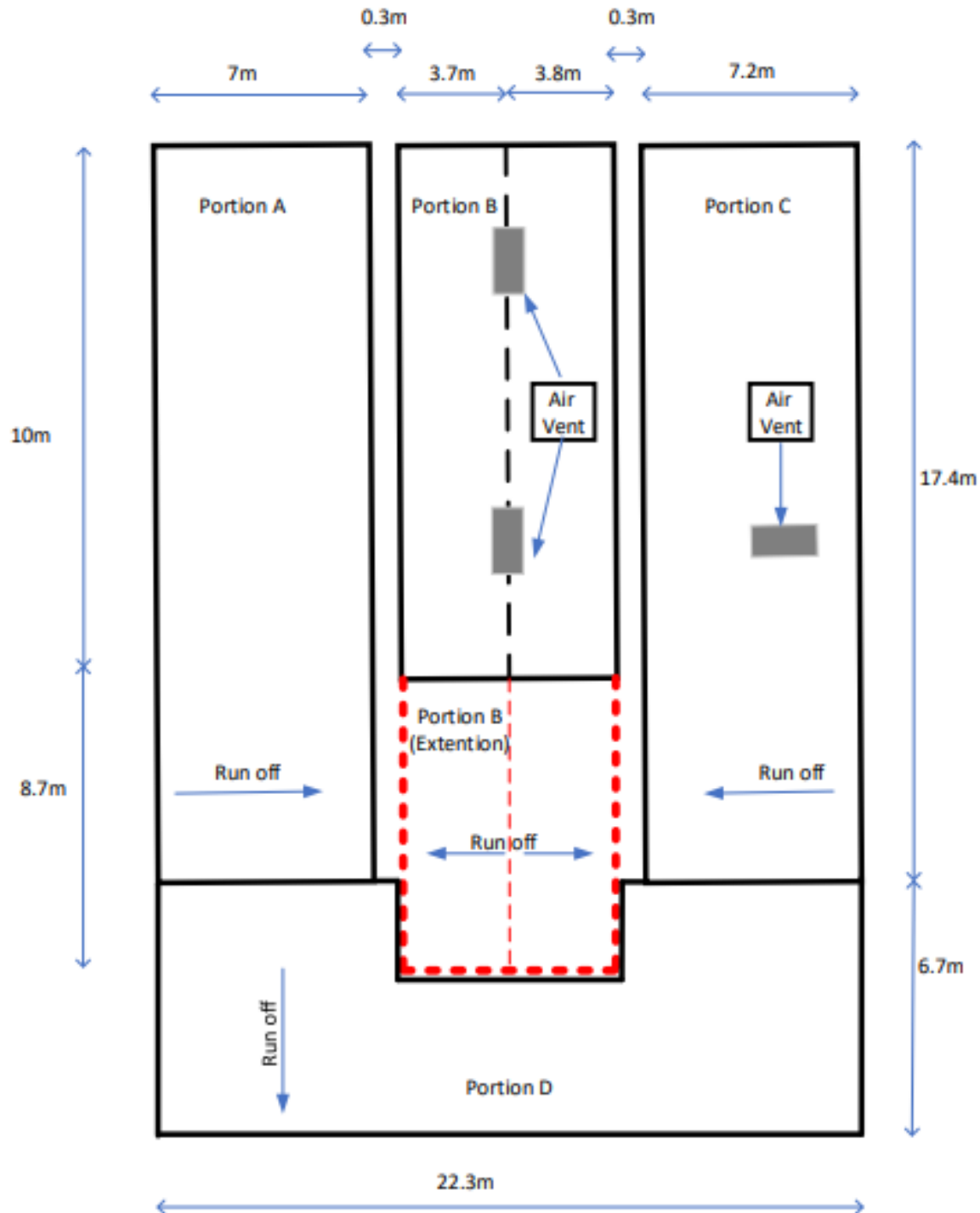
1.2 Description of works

- 1.2.1 Remove the existing roof sheets for portion A and C and replace them with the IBR sheets described in the general section above.
- 1.2.2 Extend portion B by 8.7m as shown on the diagram
- Remove the existing sheets
 - Install new IBR sheets
- 1.2.3 Remove the existing gutters between Portion(A-B), and Portion(B-C), and replace them with 18.7m long box gutters (300mm x 300mm x 2mm).
- The contractor shall ensure that the stormwater runoff flows to the south side of the building, the gutters shall be fitted with 3.6m long downpipes (200mm dia. / 2mm thick)
 - Downpipes must be painted in a light grey colour
 - Make provision for extra (40mm x 40mm X 3mm) angle iron to support gutter boxes.
- 1.2.4 Install two ridge ventilators at Portion B, and one slope ventilator at Portion C (see description above)
- 1.2.5 Install 3mm thick steel facias at the outer edges of Portion A, B, C and D (300x20 channel). Facias are to be painted in white.

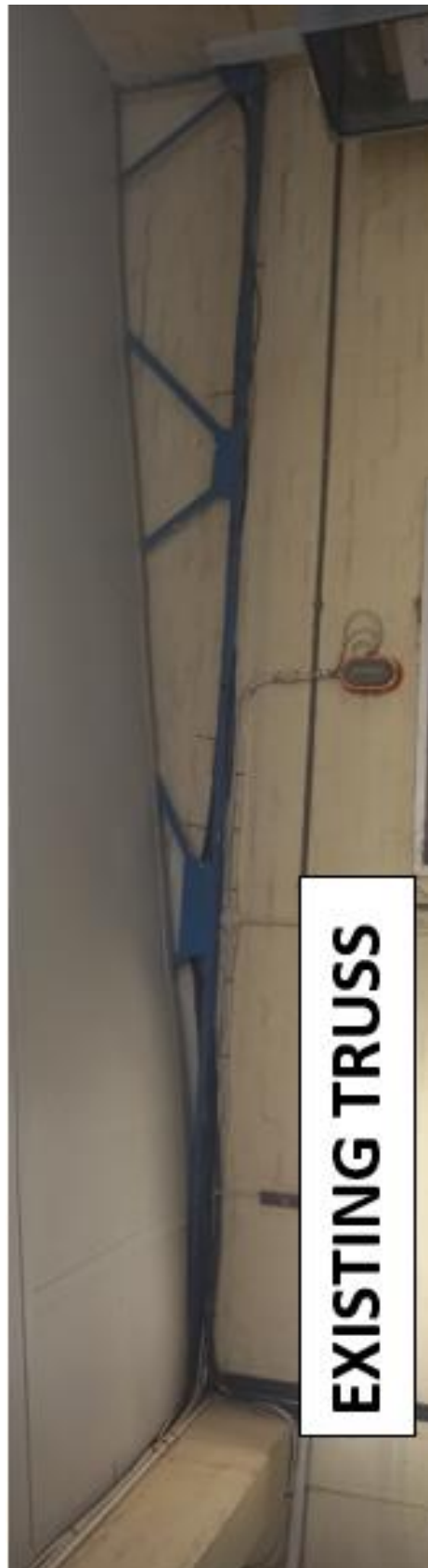
Note:

- The measurements given on the Civil Workshop Roof layout diagram are the actual dimensions of the existing roof sheets.
- Dispose of all roof sheets/debris off site.

1.3 Civil Workshop Roof Layout



1.3. South Elevation and existing truss



2.1.1 Replace the damaged fibreglass sheets with (220x710mm) polycarbonate sheets of 0.8mm thickness. There are 18 sheets in total.

- Note: the conveyor structures are $\pm 15\text{m}$ from the ground.

2.1.2 Install one 9m Chromadek IBR sheet of 0.58mm thickness (Colour: Sandstone beige).

2.2 Picture of conveyor structures



3. No.4 Engine Room barge flashing

3.1 Description of works

3.1.1 Install 0.8mm thick barge flashing along the side of the roof (length=22.5mm,

- Note: the flashing should match the roof colour (Kalahari Red)

: the roof is $\pm 6\text{m}$ above the ground.

3.2 4B Engine Room Eastern side of the roof



ANNEXURE C2.2: PRICING SCHEDULE

The Supplier must complete the following pricing schedule:

	MILESTONES / LINE ITEMS	TIMEFRAME <i>(where applicable)</i>	UNIT PRICE <i>(where applicable)</i>	QUANTITY <i>(where applicable)</i>	COSTING
1.	CIVIL WORKSHOP: Remove and Replace Roof sheets (includes fasteners and flashing)			1	
2.	CIVIL WORKSHOP: Portion B Extension (8.7m)			1	
3.	CIVIL WORKSHOP: Installation and Painting of facia (channel)			1	
4.	CIVIL WORKSHOP: Installation of new gutters and downpipes			1	
5.	Block Flats (59, 60, 61 and 62). Including cottage building on each flat.			1	
6.	CONVEYOR: Installation of Polycarbonate sheets + 1 IBR Sheets			1	
7.	ENGINE ROOM: Barge Flashing			1	
8.	SAFETY FILE			1	
TOTAL					

	MILESTONES / LINE ITEMS	TIMEFRAME <i>(where applicable)</i>	UNIT PRICE <i>(where applicable)</i>	QUANTITY <i>(where applicable)</i>	COSTING
VAT					
TOTAL [VAT INCLUDED]					

SIGNED at _____ on _____

For and on behalf of Supplier

 Who warrants being duly authorised

Name: Designation:

ANNEXURE C4: SITE INFORMATION

Rand Water Zuikerbosch Pumping Station

Vischagat Road, Three Rivers East

Vereeniging

1939

GPS Coordinates: S 26° 41.520 and E 28° 00.061

NB : Please bring the following:

1. A copy of the scope of work
2. Proof of identification for access permit registration
3. Wearing of PPE