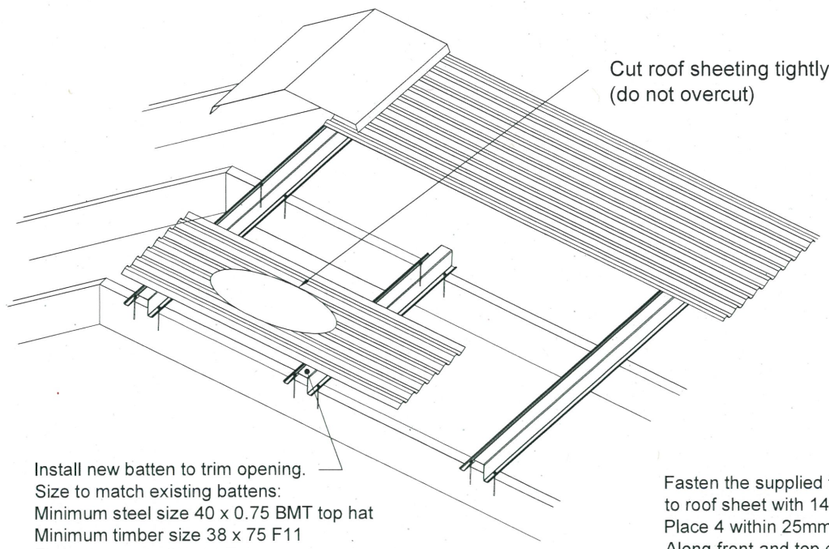
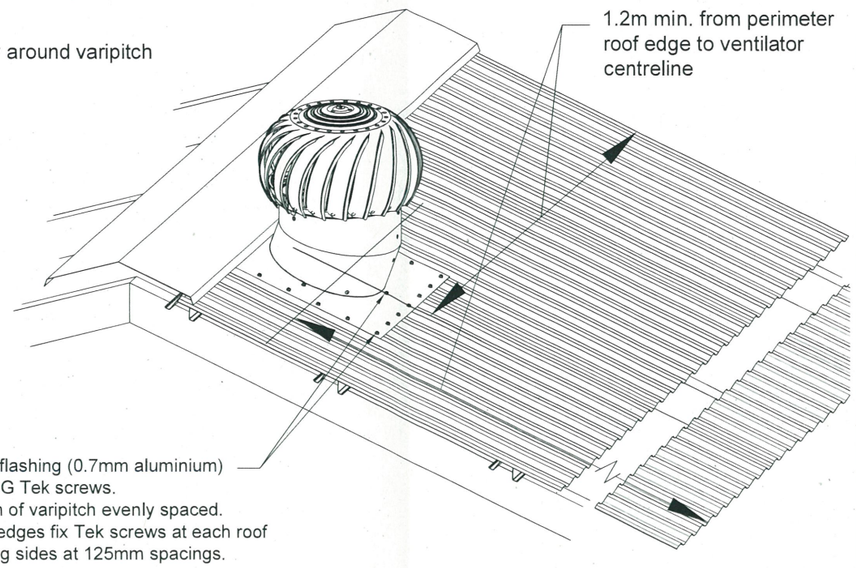
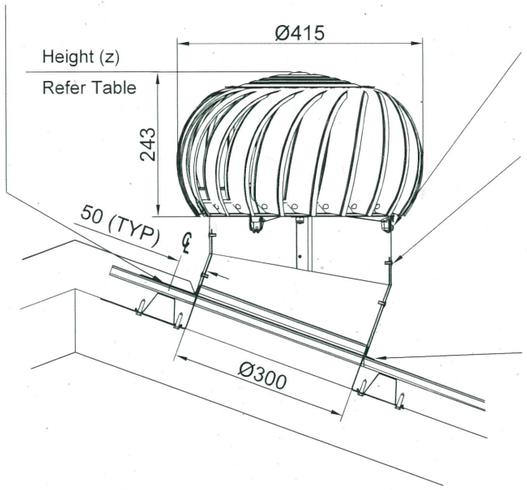
IN ACCORDANCE WITH NCC VOLUME 2 (SECTION P3.10.1), THIS PRODUCT SATISFIES PERFORMANCE REQUIREMENT P2.1.1 FOR CONSTRUCTION IN A HIGH WIND AREA.





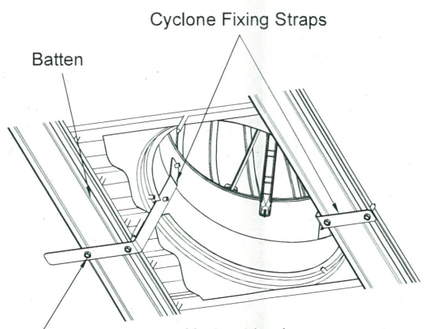
Tuck flashing under ridge cap as per standard installation instructions. Ridge flashing to be refixed in accordance with manufacturers specifications (cyclonic)



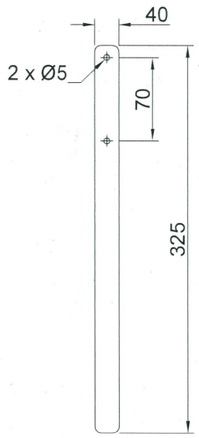
Fasten ventilator to varipitch base with three 12G x 12.5mm self tapping screws supplied.

Fasten varipitch to flashing with three 6-3AS (Ø4.8mm) blind rivets and to cyclone straps with four 6-3AS (Ø4.8mm) blind rivets (not supplied). Seal with silicone if unsealed rivets used.
The top rivet must be secured into the top half of the varipitch.

Turn up ends of corrugations



Fasten cyclone straps to each batten with two 14G Tek screws. Bend straps as required to conform to varipitch and battens.



Cyclone Fixing Strap
Material: 1.15mm Galvabond G2
2 required

All screws & teks to be 'Class 4' to AS3566

Notes covering basis of DTC (Relevant test reports etc)

Wind Tunnel Test to AS/NZS 4740 carried out at Delft University of Technology, the Netherlands.
Test Report TUD-LR-CR-AE-2010-1 (Model A - Aluminum) dated 12 March 2010

Instructions for cutting the hole in the roof sheet and weather sealing the ventilator are provided in the standard 'Residential Turbine Ventilator' installation instruction supplied with the vent.
This DTC instruction must be completely followed in addition to the standard instruction to satisfy DTC requirements.

*Design Engineers Certification	*Certifying Engineers Certification
Name: Bill Hutton	Name: Liam Kenny
Registration Number: CPEng, RPEQ No. 13047	NT Registration Number: 14000ES
Date: 02/12/2016	Date: 02/12/2016
Signature:	Signature:
*registered as a structural engineer in **Australia**	*registered as a structural engineer in the **Northern Territory**

Product Name
Windmaster Turbine Ventilator (Model A)

Product Description
Rotating Aluminium Wind Driven Roof Ventilator (Ø300mm)

Manufacturer's Name
CSR Bradford
10 Stanton Road, Seven Hills, NSW, 2147

Design Criteria
1. Turbine ventilator successfully passed wind tunnel testing to AS/NZS4740:2000 without damage to 57m/s
2. Ventilator structure assumed to be Importance Level 1 structure with 25 year design life.
3. V_{des} = 57 m/s.

VENTILATOR USE TABLE

		Terrain Category				
Shielding	*Height (z) m*	1.0	1.5	2.0	2.5	3.0
Full Shielding	3	✓	✓	✓	✓	✓
	4	✓	✓	✓	✓	✓
	5	✓	✓	✓	✓	✓
	7.5	✓	✓	✓	✓	✓
Partial Shielding	3	✓	✓	✓	✓	✓
	4	✓	✓	✓	✓	✓
	5	×	✓	✓	✓	✓
	7.5	×	×	✓	✓	✓
No Shielding	3	×	✓	✓	✓	✓
	4	×	✓	✓	✓	✓
	5	×	×	✓	✓	✓
	7.5	×	×	✓	✓	✓

'Shielding' - refer AS 4055:2012 page 15
'Terrain Category' - refer AS 4055:2012 page 12
'Height (z)' refer AS/NZS 1170.2:2011 Figure 2.1 page 9

Limitations
1. Suitable for roof systems consisting of cyclonically rated roof sheeting, battens/purlins and fixings only.
2. Suitable for roof pitches < 45°
3. Ventilator to be a minimum of 1.2m from a perimeter roof edge.

Accepted for Inclusion

DTCM ref: M/815/01

Chairman's Signature:

Chairman's Name: ~~STEVEN~~ J EHRLICH

Date of Approval: 19/01/17 Expiry Date: 19/01/2022