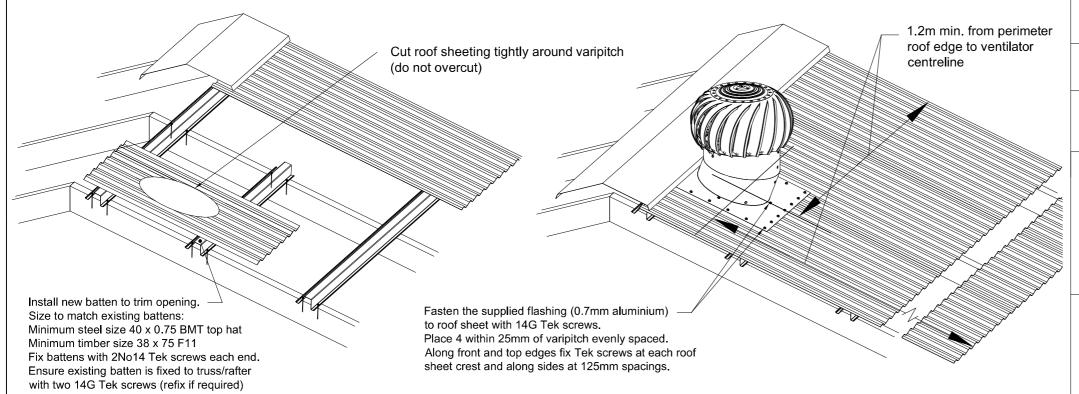
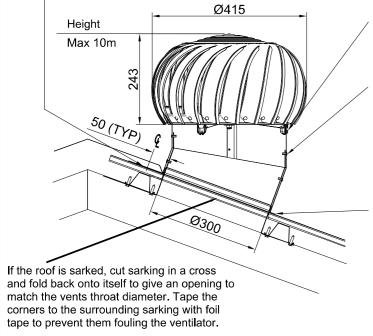
NORTHERN TERRITORY DEEMED TO COMPLY MANUAL - National Construction Code Volume 2 (Section 3.0.4 Structural resistance of materials in high wind areas)

This product has been determined to satisfy NCC Performance Requirement P2.1.1 for structural stability and resistance.



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

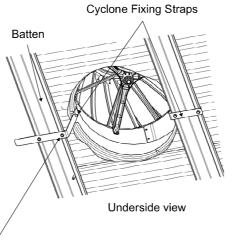


Fasten ventilator to varipitch base with three 12G x 12.5mm self tapping screws supplied.

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

Certifying Engineer

Name: Liam Kenny

NT Registration Number: 14004ES

Date: 20/07/2022

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

- Turbine ventilator successfully passed wind tunnel testing to AS/NZS 4740:2000 without damage to 57m/s.
- Ventilator structure assumed to be Importance Level 1 structure with 25 year design life.
- Ventilator cannot be used where Vdes exceeds 57m/s as determined by a structural engineer.
- Vdes = 57m/s

VENTILATOR USE TABLE

Wind Region	Terrain Category	Topographic Classification								
		T0			T1			T2		
		FS	PS	NS	FS	PS	NS	FS	PS	NS
А	3	7	4	4	4	- ✓	7	4	7	4
	2.5	4	4	4	1	4	7	1	7	1
	2	1	4	4	4	4	4	1	4	4
	1	4	4	4	1	4	1	1	1	1
В	3	4	4	4	7	4	7	1	1	×
	2.5	4	4	4	4	4	7	4	×	×
	2	4	4	4	4	4	×	4	×	×
	1	4	4	×	4	×	×	×	×	×
С	3	4	(10-50)	(20-50)	(5-50)	√ (30-50)	×	(25-50)	×	×
	2.5	1	(25-50)	(35-50)	(20-50)	4 (40-50)	×	(35-50)	×	×
	2	(10-50)	√ (35-50)	(45-50)	(30-50)	×	×	×	×	×
	1	(30-50)	×	×	×	×	×	×	×	×

NOTES:

FS = Full Shielding

PS = Partial Shielding

NS = No Shielding.

(x-50) = Distance in km from the smoothed boundary (coastline or higher wind region).

Terrain Category' - refer AS 4055:2021 page 11

'Topographic Classification' - refer AS 4055:2021 page 12

'Shielding' - refer AS 4055:2021 page 13

Limitations

- Ventilator Use Table is only applicable to residential properties that comply with AS 4055:2021.
- Ventilator suitable for Custom Orb type roofs only.
- Ventilator suitable for roof systems consisting of cyclonically rated roof sheeting, battens/purlins, and fixings only.
- Ventilator suitable for roof pitches 5 to 35 degrees.
- Ventilator to be a minimum 1.2m from a perimeter roof edge.
- Ventilator cannot be used in Wind Region D.
- Ventilator suitable only for Topographic Classifications T0, T1, and T2 as shown by Ventilator Use Table.

Accepted for inclusion in Deemed to Comply Manual

DTCM drawing number:

M/350/01a

Chairperson Signature:

Chairperson Name: Paul Nowland

Date of Approval: 25/07/2022 Expiry Date: 25/07/2027

Notes covering basis of DTC (Relevant test reports etc)

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

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.

Checking Engineer

Name: Bill Hutton

Registration Number: CPEng, RPEQ No. 13047

Date: 20/07/2022