

CVCTEL IC VIA DIATIONIC			
SYSTEMS VARIATIONS			
Collectors (WxL mm)	Tank (Ø x L mm)	Max Weight (Empty Collector and Tank)	Max Weight (Full Collector and Tank.) **
1 Collector (1050±50 x 1960±50)	-	62Kg	64Kg
2 Collectors (1050±50 x 1960±50)	-	105Kg	108Kg
1 Collector (1050±50 x 1960±50)	180L - 200 Litre Ø600-695 x 1140 - 1200	139Kg	341Kg
2 Collectors (1050±50 x 1960±50)	330 Litre Ø600-695 x 1735 - 2090	209Kg	542Kg

Notes covering basis of DTC (Relevant test reports etc)

Vipac Engineers & Scientists: Structural Test Report No: 30V-15-0264-TRP -398866-0. 24 June 2016. Vistek computations: VST663A_a Rev 0 10-Aug-22

Checking Engineers Certification

Name: Khim Lim

Registration Number: CPEng 484826

Date: 9/9/22

registered as a structural engineer in Australia

*Certifying Engineers Certification

Name: Dr Valdis Svars NT Registration Number: 47035ES

Date:9/9/22

lactor Sons registered as a structural engineer in the Northern Terri **Product Name** Rinnai Solar Water Heaters

Product Description Cyclone Region Roof Mounting Frame

Manufacturer's Name Rinnai Australia

Design Criteria

-Class of Building: Class 1 and 10

-Wind Region: Up to and including D

-Terrain Category: 2

-Average Recurrence Interval: 1:500

-Installation Height: Up to and including 10m

Negative

-Design Wind Pressures:

-7.9kPa pressure:

Positive pressure: 3.72kPa

-Building importance level up to and including 2

- Roof construction must be capable of supporting the additional dead and live loads imposed by the installation of the system.
- Roof pitch: 10° 30° (Min. 15° for tile roof)
- Not to be installed in exclusion zones (Refer to Sheet 6).
- The proposed 40x40x3.0 (G350) steel batten members to be confirmed by design engineer. Refer to sheet 6 for SHS fixing detail.
- The roof structural elements shown in the fixing details are indicative only as it is based on standard detail for steel and tiled roof system in Australia. All existing roof structural elements must be confirmed by design engineer.
- Frame structure must be installed strictly in accordance with the manufacturer's

The following items are excluded and shall be certified separately:

- Existing roof structure including roof sheeting
- Tiles and cladding as well as battens and rafters
- HWS panel
- Tanks
- Fixing detail of existing batten to existing roof truss.
- Existing battens and rafters supporting the roof sheeting are not part of the solar panel roof mounting system design thus excluded. It is the responsibility of the design engineer that all existing roof structural elements are structurally adequate.

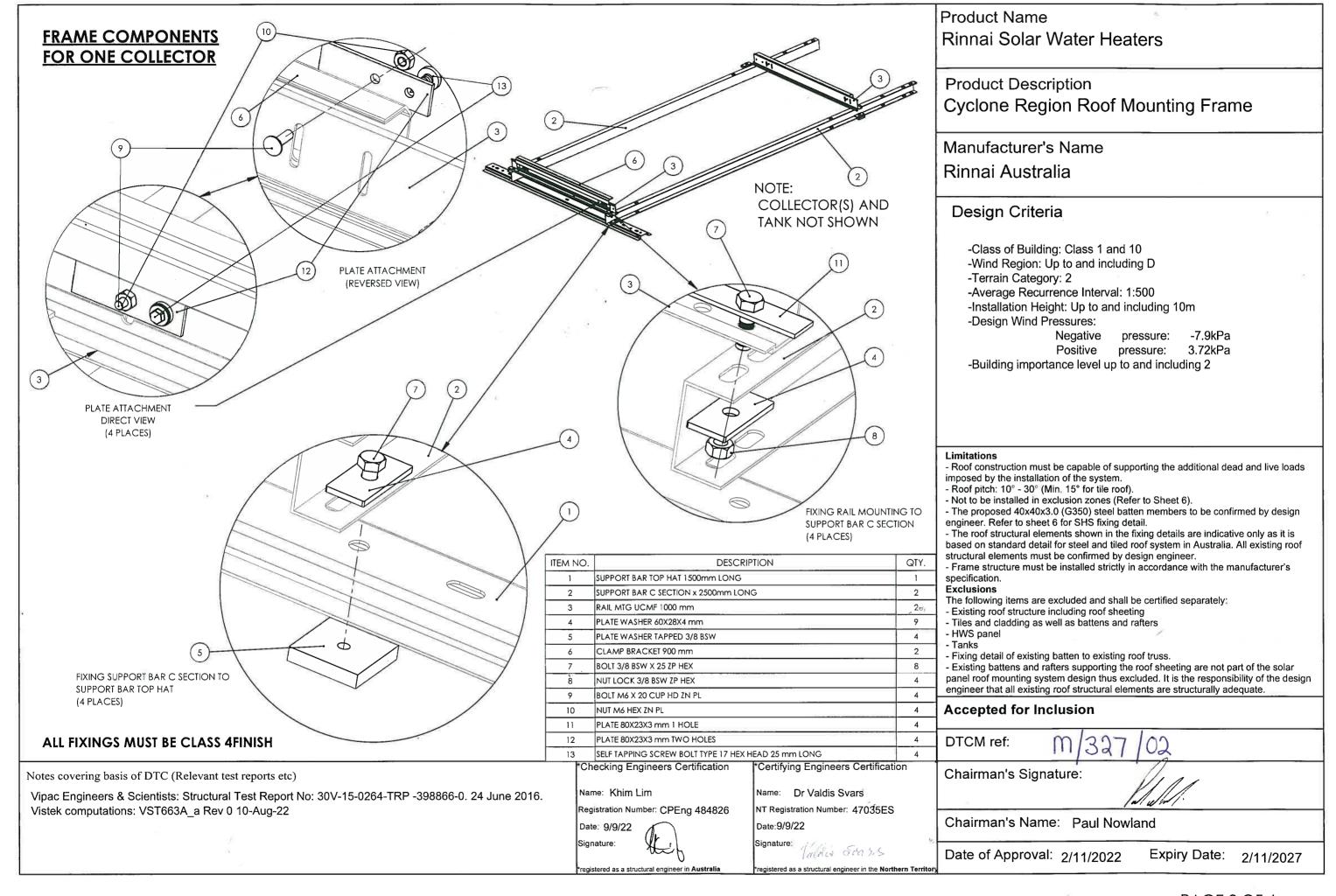
Accepted for Inclusion

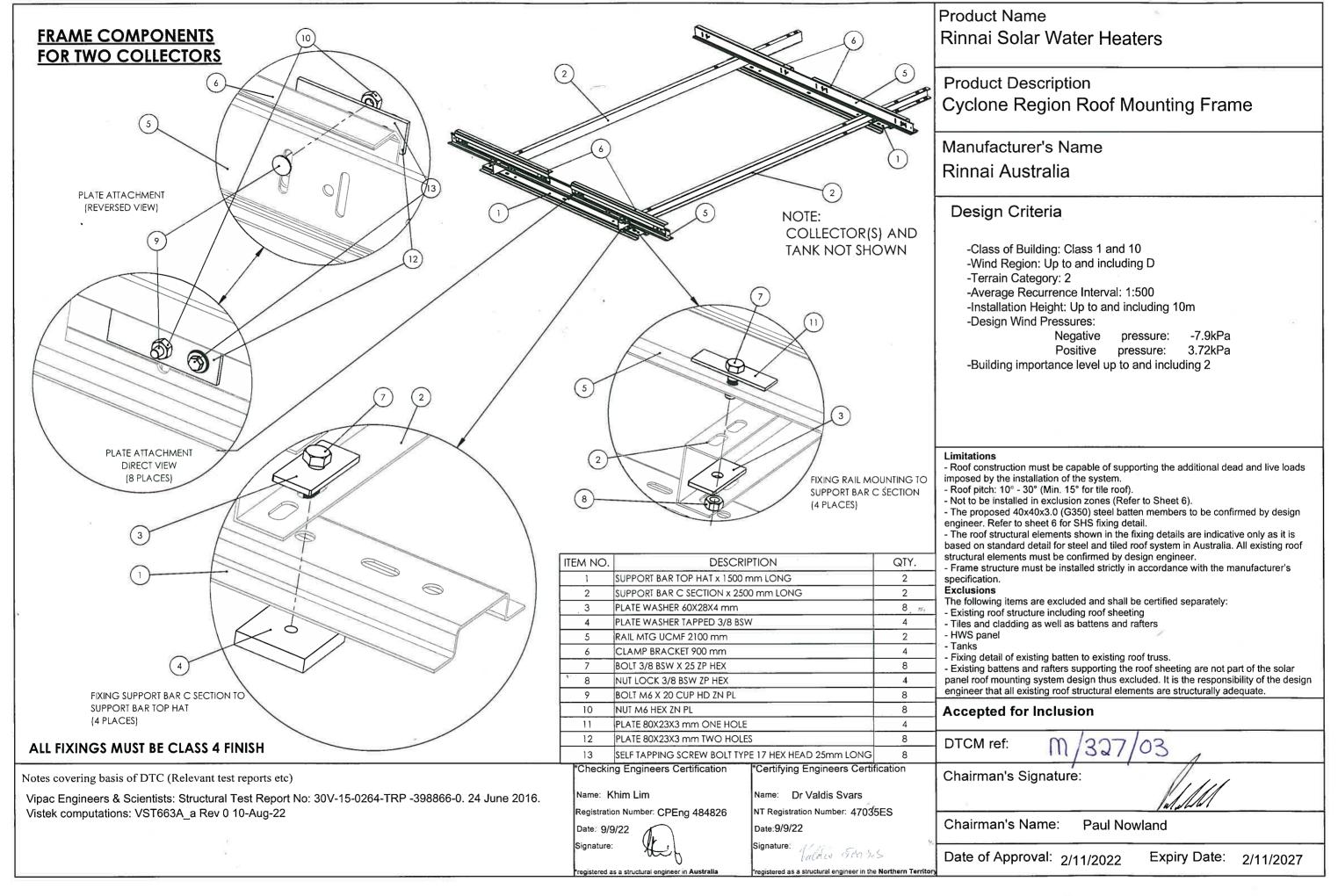
DTCM ref:

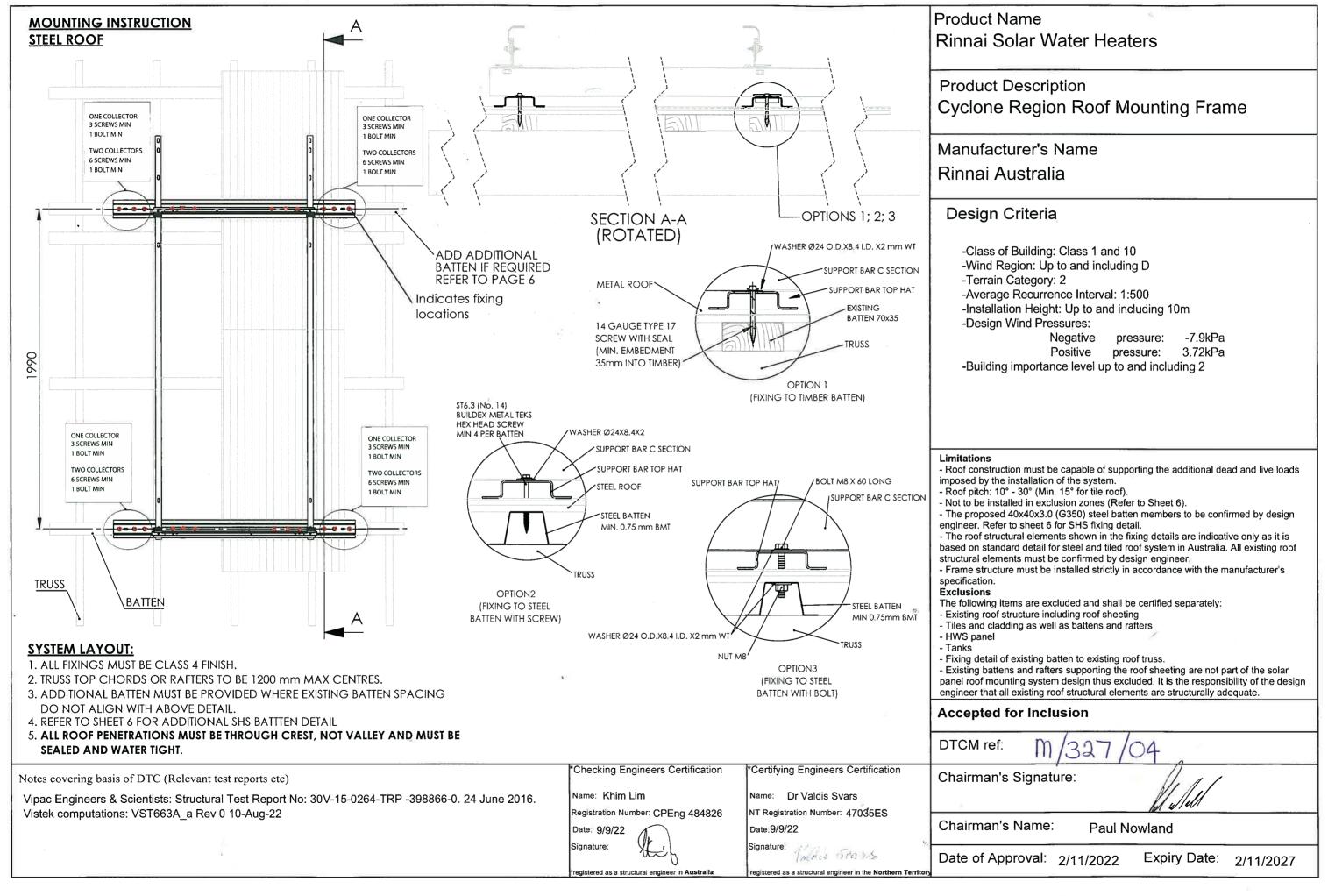
Chairman's Signature:

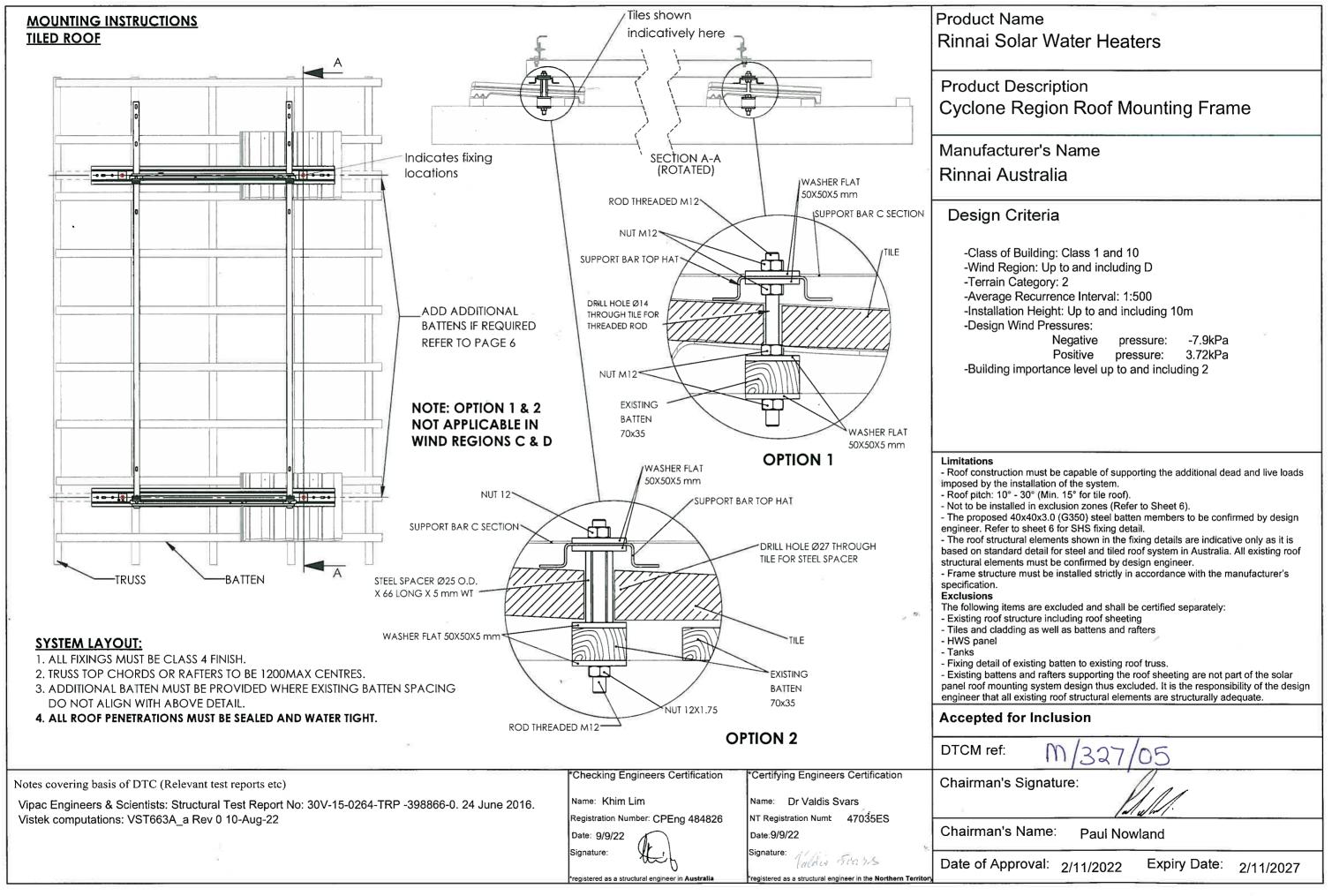
Chairman's Name: Paul Nowland

Date of Approval: 2/11/2022 Expiry Date: 2/11/2027

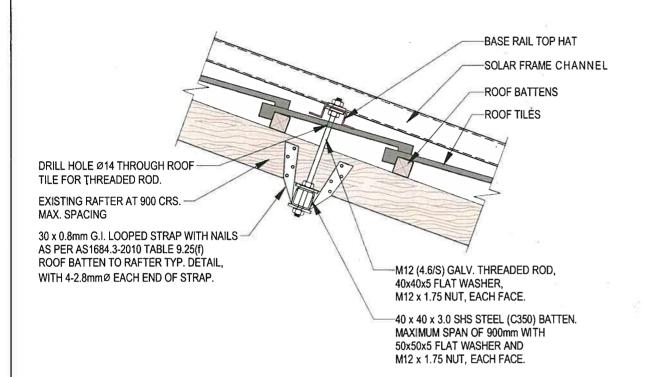








OPTIONAL DETAIL FOR REPLACING EXISTING BATTEN TO 40x40x3.0 STEEL SHS (G350) (IF EXISTING BATTEN IS DEEMED INADEQUATE)



NOTE:

- THE NEW 40x40x3.0 (G350) STEEL BATTEN MEMBERS TO BE CONFIRMED BY BUILDING DESIGNER.
- THE FIXINGS OF NEW 40x40x3.0 (G350) STEEL BATTEN MEMBERS TO EXISTING TRUSS MEMBERS AND THE EXISTING TRUSS THEMSELVES TO BE CONFIRMED BY BUILDING DESIGNER.
- THE PROPOSED NEW 40x40x3.0 (G350) STEEL BATTEN MEMBERS ARE REQUIRED ONLY WHEN EXISTING BATTEN IS DEEMED INADEQUATE.
- THE REMOVAL OF TILES FOR ACCESS TO COMPLETE THE REQUIRED WORK MUST BE UNDERTAKEN BY A SUITABLY QUALIFIED PERSON. ALL TILES MUST BE REINSTALLED AND MADE GOOD.

Product Name

Rinnai Solar Water Heaters

Product Description

Cyclone Region Roof Mounting Frame

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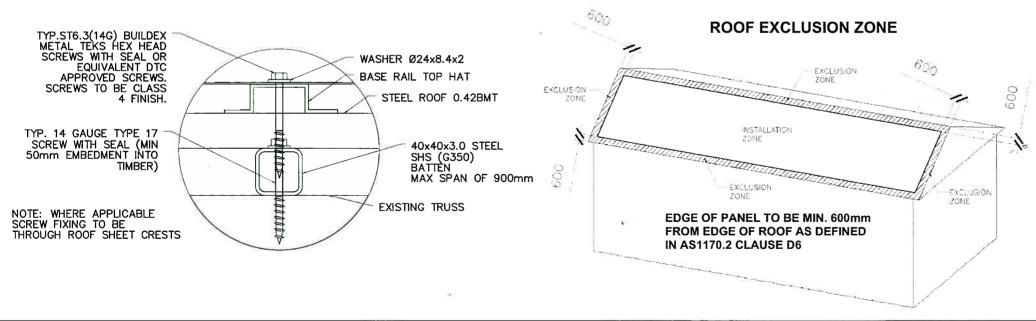
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Accepted for Inclusion

DTCM ref:

m/327/06

Chairman's Signature:

Chairman's Name:

Paul Nowland

Date of Approval:

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Expiry Date: 2/11/2027