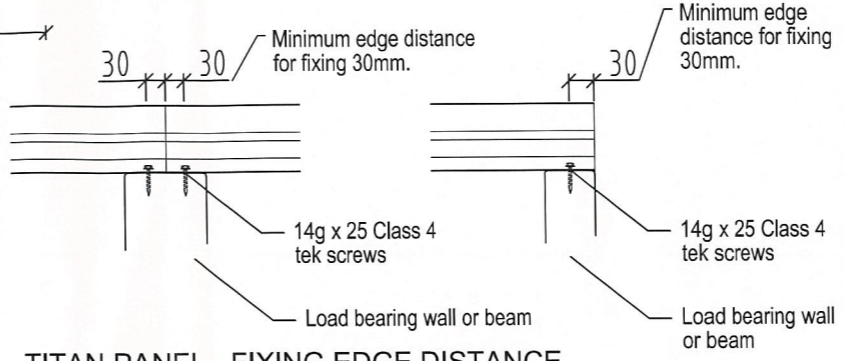
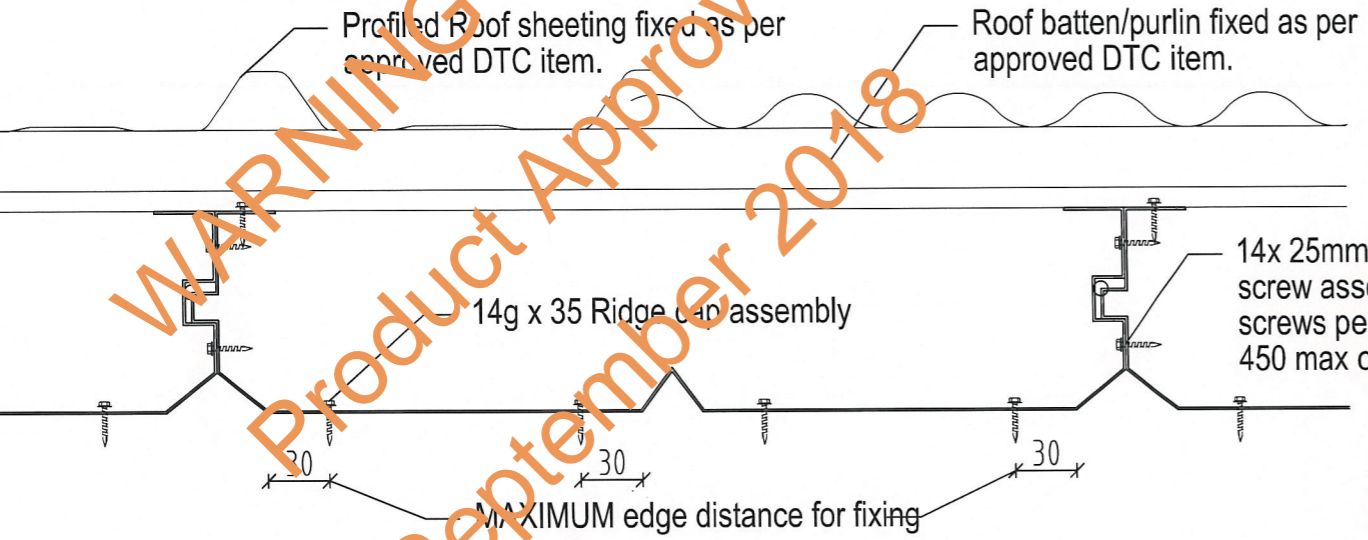


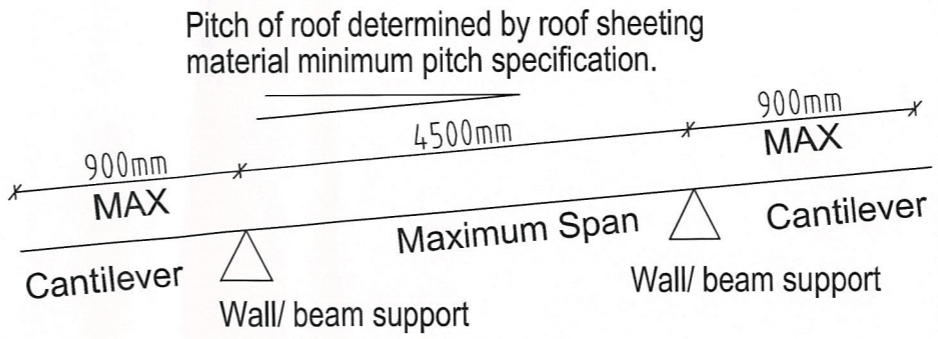
**TITAN PANEL PROFILE**



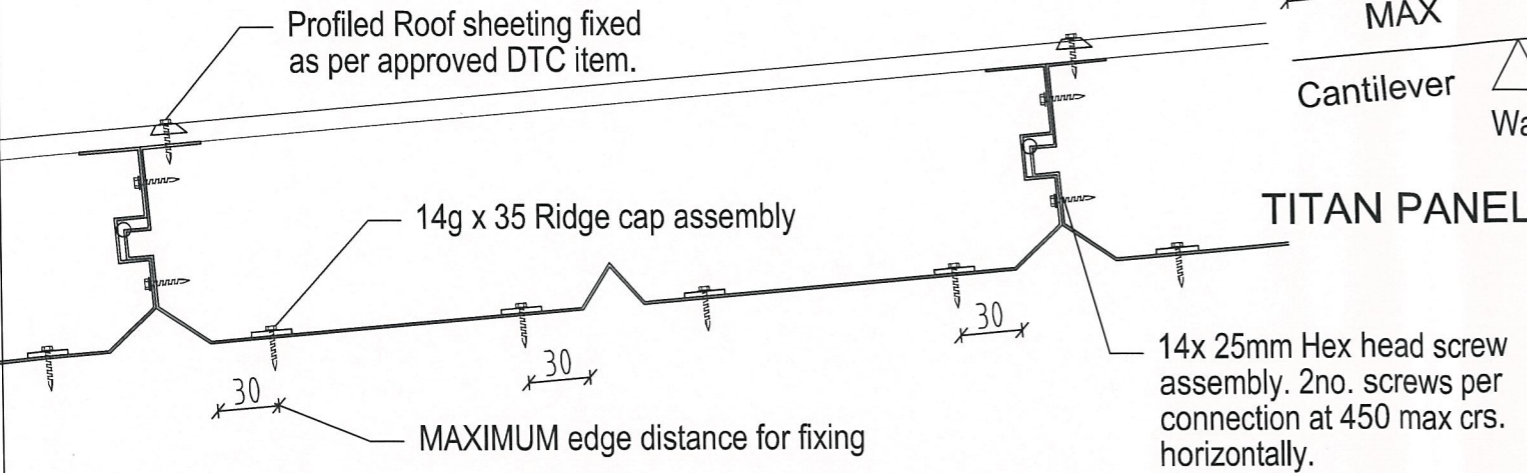
**TITAN PANEL - FIXING EDGE DISTANCE**



**TITAN PANEL - ROOF PANEL FIXING TO WALL AND BEAM**



**TITAN PANEL - MAXIMUM SPANS**



**TITAN PANEL - ROOF PANEL FIXING TO WALL AND BEAM - LATERALLY**

FOR CONSTRUCTION DETAILS ON ALL CONNECTIONS, REFER TO THE TITAN BUILDING SYSTEMS MANUAL.

- All screws and washers to be Class 4 finish.

Product Name:  
**TITAN BUILDING SYSTEMS - Roof Panel**

Product Description:  
**TITAN - Roof Panel and Fixing**

Manufacturers Details:



1/9 Verrinder rd, Berrimah NT 0828  
PO BOX 3161 Darwin NT 0801  
T: +61 8 89470 833  
F: +61 8 89844 584  
www.titanbuildingsystems.com.au

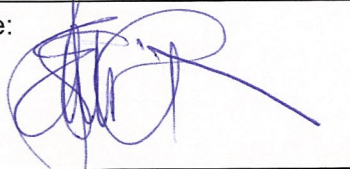
**MATERIAL SPECIFICATION**  
-- TITAN Panel EX 1.2mm BMT G550 Colourbond, coil steel.

- Design Criteria:**
- Wind speeds
  - Wind loads in accordance with AS/NZS1170.2-2011, SAA loading code, part 2: wind loads.
  - shielding - refer AS/NZS1170.2-2002 -  $M_z = 1$
  - topographic factor : 1
  - importance level : 2
  - annual probability of exceedence : 1:500
  - basic regional wind velocity  $v_r = 73.5$  m/sec
  - internal pressure coefficients = +0.7, -0.65
  - external pressure coefficients = -0.9<0.5 & -1.3>1

- Limitations**
- Panel Wind loads have been tested to 5.5kPa. ULS before maximum serviceable deflection occurred.
  - Limitations have been tested for out of plane loading only. Shear roof capacity (diaphragm action) is not to be claimed.
  - LHL Engtest carried out using 0.48 BMT roof sheeting.

Accepted for Inclusion: 5-9-2013

DTC REF: M/188

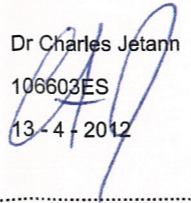
Chairmans Signature: 

Chairmans Name: STEVEN J EHLRICH

Date of Approval: 5.9.13 Expiry Date: 5.9.18

1. Testing Program was carried out by NATA registered, 'The University of Adelaide'. Test Report C101007-4and 5. (dated 9th May 2011)  
2. Tests have been carried out in accordance with AS 4040.3 - 1992 and the Building Code of Australia BCA (2010).  
3. Test rigs conform to AS4040.0 - 1992

'Checking Engineers Certification'

Name: Dr Charles Jetann  
NT Registration No.: 106603ES  
Date: 13-4-2012  
Signature: 

'Certifying Engineers Certification'

Name: John Scott  
NT Registration No.: 17207ES  
Date: 13-4-2012  
Signature: 