

TABLE 1: MOUNTING RAIL SPACING

BATTEN/PURLIN THICKNESS (MIN 0.75mm)	SPACING 'y' (mm) MAX.	'EQ' (mm) MAX)
TIMBER & STEEL < 1.0mm	1000	323
STEEL PURLINS - 1.2mm OR THICKER	1400	246

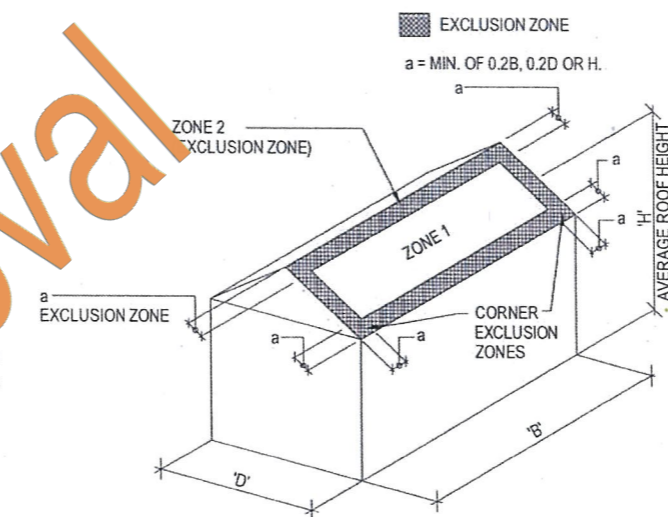
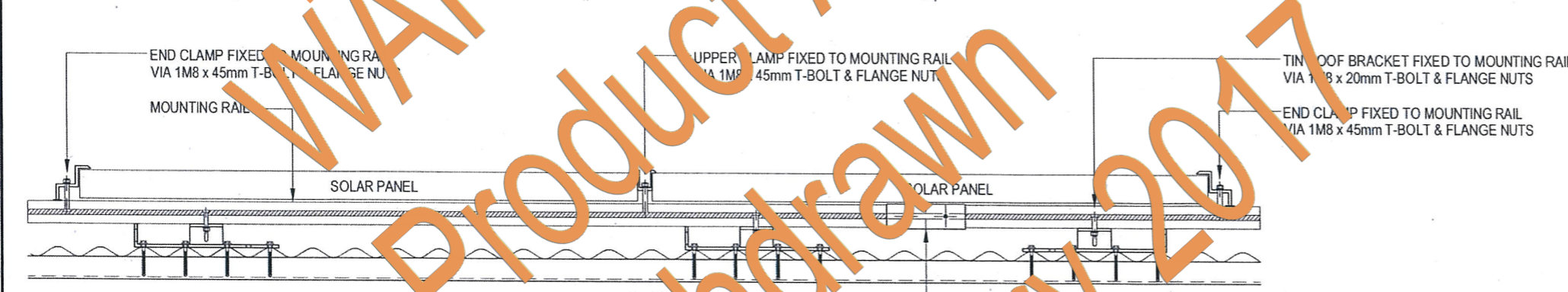


Fig 1: ROOF REGIONS

PLAN NOT TO SCALE



SECTION 1 SCALE 1:10

Product Name  
SOLARFLO AUXIN PANEL

Product Description  
AXN-P6T SERIES SOLAR PANEL  
(SOLAR PV MODULE 1646 x 995 FOR SHEET METAL ROOFS)

Manufacturer's Name  
AUXIN  
Postal Address: PO BOX 3701, SUCCESS, WESTERN AUSTRALIA 6964

Design Criteria  
BASIC WIND DESIGN CRITERIA

- AS/NZS 1170.2: 2011 REGION C
- TERRAIN CATEGORY: 2
- $C_{p,n} = C_{p,e} = -1.3$
- HEIGHT (H) NOT GREATER THAN 10m
- REGIONAL WIND SPEED  $V_R$  69.3 m/s
- DESIGN WIND PRESSURE 3.75 kPa - ZONE 1 (REFER TO Fig 1.)
- IMPORTANCE LEVEL: 2
- REGION: C
- TOPOGRAPHIC MULTIPLIER  $M_t = 1.0$  (FLAT)
- PANEL TEST PROCEDURE IN ACCORDANCE TO 'DRAFT GUIDE TO LHL CYCLIC TESTING (VERSION 1)' DATED 09/04/2009. PUBLISHED BY CYCLONE TESTING STATION SCHOOL OF ENGINEERING & PHYSICAL SCIENCES, JAMES COOK UNIVERSITY, QUEENSLAND 4811

Limitations

- PANELS NOT TO BE LOCATED IN LOCAL PRESSURE ZONES WHERE  $k_l > 1.0$  AS DEFINED IN SECTION 5.4.4 OF AS/NZS 1170.2:2011.
- PANELS TO BE INSTALLED PARALLEL TO THE ROOF
- THE ROOF STRUCTURE SHALL BE VERIFIED TO ENSURE IT CAN SUPPORT THE ADDITIONAL LOADS OF THE PANEL SYSTEM (0.15 kPa PANEL WEIGHT & WIND PRESSURES)
- UNIT NOT TO BE INSTALLED ON ROOFS THAT ARE NOT DESIGNED FOR CYCLONIC LOADS
- MAXIMUM ROOF PITCH TO BE 30°
- MOUNTING RAIL TO BE FIXED TO OUTER MOST BATTEN BENEATH PANELS

System Layout

- ALL BOLTS, WASHER & SCREWS TO BE STAINLESS OR GALV. OR CLASS 4 FINISH UNO.
- MIN 2 RAILS PER PANEL

Accepted for Inclusion

DTCM ref: m/539

Chairman's Signature:

Chairman's Name: STEVEN J EHRLICH

Date of Approval: 28.2.12 Expiry Date: 28.2.15

Notes covering basis of DTC (Relevant test reports etc)  
SD REPORT 0137-RPT-1001 (ISSUE 1 06/12/2011)  
CTC REPORT No. W11001 - (11/01/2011)  
CTC REPORT No. W110097-2 (18/01/2012)

Design Engineers Certification  
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Signature:   
STRUCTUREDDESIGN

\*\*Certifying Engineers Certification  
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New Expiry. 28/2/17  
Signature: