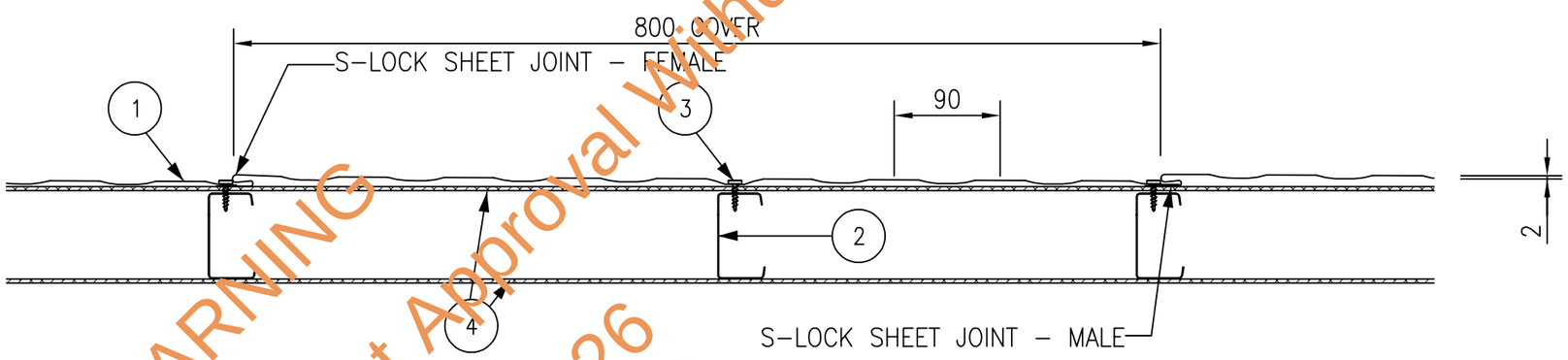
NORTHERN TERRITORY DEEMED TO COMPLY MANUAL - National Construction Code Volume 2 (section 3.0.4 Structural resistence of materials in high wind areas.
This product has been determined to satisfy NCC Performance Requirements P2.1.1 for structural stability and resistence



Standard Mesa Profile Cladding 0.4mm BMT G300 Grade (1)

Cold Rolled Engineered Wall Frame (Studs,Top & Bottom Plates,Nogs) 0.75mm BMT G550 Grade (2)
fixed togther with 6–12 steel rivets 1010 Grade

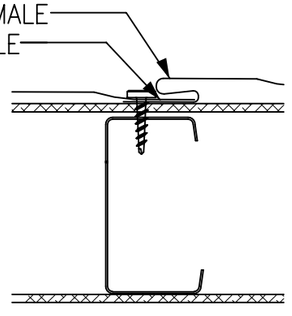
Mesa Cladding (1) fixed to Cold Rolled Engineered Wall Frame (2) with Class 4 screw type A, B, C, D (3) ;
Screws to be valley fixed

WARNING
Product Approval Withdrawn
October 2026

Fixing of external cladding at 400mm centres on studs and 300mm centres on wall perimeter and around door and window openings.
Screw Type:

A 15–15x25mm HEX HEAD
B 10–16x30mm WAFER HEAD
C 10–16x25mm HEX HEAD
D 10–24x22mm WAFER HEAD

The S–lock 'Female' shall be screwed at 400mm centres to the stud after insertion of the leading edge of the following sheet.
Note: the Mesa cladding shall NOT be considered to provide design resistance to in–plane (racking) forces



Product Name: Mesa Wall Cladding for Ausco Modular Transportable Buildings (Cyclonic Areas – Region C)

Product Description: Standard Mesa Profile Cladding 0.4mm BMT G300 Grade

Manufacturer's Name: Ausco Modular Pty Ltd

Design Criteria
In accordance with AS/NZS 1170.2:2011 "Structural design actions - Wind Actions"

Building Importance Level (BCA Table B1.2a): 2
Annual Probability of Exceedance for (BCA Table1.2b): 1 in 50

Region: C Regional ultimate wind speed V_R(m/s): 69
Terrain Category 1 or 2 Reference height (m): 4

$M_{Z,CAT}$ 1.02 (TC1), 0.91(TC2) M_S: 1 M_T: 1

$V_{DES\theta}$ Design Wind Speed at reference height (m/s): 70(TC1),63(TC2)

Internal Pressure Coefficients (C_{pj}): +0.7,-0.65

External Pressure Coefficients ($C_{p,e}$) Walls +0.7,-0.65
Roof N/A

Net Pressure Coefficients: ($C_{p,n}$) Roof/Walls N/A

Imposed Loads, kPa Floor / Roof N/A

Limitations
Building height ≤4m Region 'C'
Internal lining (4) including fixing to be adequate to resist design positive and negative wind pressures.

Accepted for Inclusion

DTCM ref: M/216/01

Chairman's Signature:

Chairman's Name: Paul Nowland

Date of Approval: 19/10/2021 Expiry Date: 19/10/2026

Notes covering basis of DTC (Relevant test reports etc)

Ausco Modular Pty Ltd Test Report Number 0088, July 2004
This certificate relates only to Mesa cladding manufactured by Ausco Modular Pty Ltd

*Checking Engineers Certification
Name: TIM PETERS
Rego Number: 18257ES
Date: 29/07/21
Signature:
*registered as a structural engineer in **Australia**

*Certifying Engineers Certification
Name: Nicholas Murphy
NT Rego Number: 132328ES
Date: 13.09.2021
Signature:
*registered as a structural engineer in **Northern Territory**