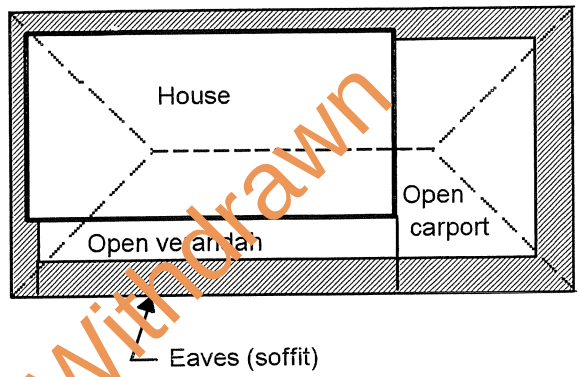
Table 1 Specifications for Duraliner

Wind Classification	Ult. Limit State Wind Speed (m/s)	Carport, verandah and eaves lining			
		Body of roof plan (Area not hatched)		Within 1200 mm of roof edge (Hatched area)	
		Batten spacing (mm)	Fixing spacing (mm)	Batten spacing (mm)	Fixing spacing (mm)
C2	61	450	200	450	200
C3	74	450	200	300	150
C4	86	450	200	300	150



CONSTRUCTION NOTES:

- Duraliner shall be fastened to the subframe in accordance with batten and fastener spacings listed in Table 1, for areas within 1200 mm of roof edges and for other areas.
- Fasteners shall be fixed 12 mm minimum from sheet edges and 50 mm minimum from sheet corners.
- All edges and joints must be supported by framing.
- Fixing to 0.8 to 1.6 mm thick steel frame shall be with 8 x 20 mm screws with self-embedding heads, and to hardwood timber frames with 30 x 2.8 mm galvanised flat head nails.
- Duraliner shall not be fixed to steel frames having typical BMT greater than 1.6 mm.
- Exposed Duraliner cladding must be painted.

DESIGN NOTES:

- Wind classifications C1 to C4 are as defined in Table 2, extracted from AS 4055-1992. Regions, terrain categories and topographic classisifations are defined in that standard.
- Pressure coefficients used in determining batten spacings and fixing details are in accordance with Appendix B of that standard.
- Internal linings, sufficient to resist internal design pressures, shall be used in conjunction with 6mm Duraliner.
- Performance specifications given in Table 1 are based on prototype tests conducted at the Cyclone Structural Testing Station, James Cook University, Townsville, and incorporating a material capacity reduction factor (ϕ) of 0.8.

Table 2 Wind Classifications for Region C (from AS 4055)
(Note: Minimum classification for Darwin Area is C2)

Region	Terrain Category	Topographic classification														
		T1			T2			T3			T4			T5		
		FS	PS	NS	FS	PS	NS	FS	PS	NS	FS	PS	NS	FS	PS	NS
C	3	C1	C1	C2	C2	C2	C2	C2	C2	C3	C3	C3	C3	C3	C4	C4
	2.5	C1	C2	C2	C2	C2	C3	C2	C3	C3	C3	C4	C4	C3	C4	C4
	1 or 2	C2	C2	C2	C2	C3	C3	C3	C3	C4	C3	C4	C4	C4	NA	NA

FS: Full Shielding, PS: Partial Shielding, NS: No Shielding, NA: Not Applicable

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6mm 'DURALINER' EXTERNAL SOFFIT CLADDING

DESIGN DATA SHEET

Cyclone Structural Testing Station
School of Engineering,
James Cook University
Townsville, QLD 4811

Certified: [signature]
Date: 14-6-02

Northern Territory Government
Dept. of Infrastructure, Planning and Environment
Building Advisory Services

Approved: [signature]
Date 27-6-02

Dwg No
M/222/6

APPROVED FOR INCLUSION IN THE DTC MANUAL BY THE BAC [signature] 2/7/2002