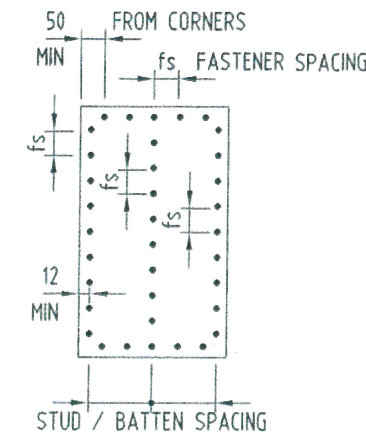


TYPICAL CEILING PLAN

Dimension 'a' is minimum 0.2 x 'd' or height of soffit above ground

LOCAL PRESSURE AREAS

- A - general area from building corners
- B - from $\frac{a}{2}$ to 'a' from building corners
- C - up to $\frac{a}{2}$ from building corners



TYPICAL 6mm 'DURALINER' FIXING DETAILS

CARPORT, VERANDAH AND EAVES (SOFFIT) LINING REQUIREMENTS					
TERRAIN CATEGORY	LOCAL PRESSURE AREA	ULTIMATE LIMIT STATE -ve PRESSURE (kPa)	STUD/BATTEN SPACING (mm)	FASTENER SPACING (mm)	TESTED CAPACITY PRESSURE (kPa)
1 & 2	A	1.72	450	200	2.19
	B	2.59	450	150	2.90
	C	3.45	300	150	4.27
2.0	A	1.46	450	200	2.19
	B	2.19	450	200	2.19
	C	2.93	450	150	2.90
3.0	A	1.22	450	200	2.19
	B	1.83	450	200	2.19
	C	2.45	450	150	2.90

CONSTRUCTION NOTES

'Duraliner' shall be fastened to a steel subframe in accordance with the support and fastener spacings tabulated above. Fasteners shall be fixed 12mm minimum from sheet edges and 50mm minimum from sheet corners. All sheet edges and joints must be supported by steel framing. Fasteners to steel supports from 0.75mm B.M.T. to 1.6mm B.M.T. shall be 'Buildex' or similar M5 Countersunk Ribbed Head self-drilling screws. Fix to Hardwood (F14) supports with 30 X 2.8 galv. flat head nails. Exposed 'Duraliner' cladding must be painted. Duraliner shall not be fixed to steel frames with a typical B.M.T. greater than 1.6mm. Exposed Duraliner must be painted.

Product Name
6.0mm 'DURALINER' Fibre Cement Cladding

Product Description
EXTERNAL SOFFIT CLADDING (Flush Jointing)

Manufacturer's Name
BCG Fibre Cement (Australia) Pty Ltd
121 Bannister Road Canning Vale WA 6155, Australia
Postal Address: PO Box 1408, Canning Vale WA 6970

Design Criteria
REGION 'C' WIND LOADING
TO AS / NZS 1170.2:2002

- DESIGN NOTES
- 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 University, Townsville, and incorporating a material capacity reduction factor (Φ) of 0.8.

- Limitations
- BCG External cladding to be painted to BCG specifications.
 - Internal pressures to be resisted by internal cladding and not 'Duraliner'. Ceiling space has been designed for zero internal pressure or -0.2 for sealed structure.

Accepted for Inclusion

DTCM ref: **M/245/01**

Chairman's Signature:

Chairman's Name: **STEVEN J EHRlich**

Date of Approval: _____ Expiry Date: _____

Test Reports
Cyclic pressure test carried out at JCU Cyclone Structural Testing Station.
Report TS542 dated 22/05/2000

**Design Engineers Certification
Name: **PHIL GARDINER**
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**Certifying Engineers Certification
Name: **NEIL WILLIAM CLARKE**
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Date: **13.12.10**
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New Expiry Date: **16/12/15**
Signature: