A.F. COLAFELLA & Associates Pty Ltd ACN 006 298 399
Consulting Structural & Civil Engineers
3/178 Boronia Road, Boronia 3155
Telephone: (03) 9762 6466
Fax: (03) 9761 1766

Project	ALUMINIUM BOX TRUSS	Page:	1
	138 - 146 BROWNS RD, NOBLE PARK	Ref:	4682
Client	BROWNS PRECISION WELDING	Designed:	G.N.
		Date:	Jul 03

400 mm ALUMINIUM BOX COLUMN

SAFE LOAD CHART

HEIGHT (metres)	ALLOWABLE TOTAL AXIAL LOAD
6	7.5 Tonnes
7	7.5 Tonnes
8	7.5 Tonnes
9	7.5 Tonnes
10	7.5 Tonnes

NOTES:

1.- ABOVE LOADS TAKEN FROM COMPUTATIONS & COMPUTER ANALYSIS CARRIED OUT IN ACCORDANCE WITH A.S. 1664 - ALUMINIUM STRUCTURES CODE AND A.S. 4100 - 1998 STEEL STRUCTURES CODE

2.- ABOVE LOADINGS ARE GOVERNED BY SUPPORT FRAME CAPACITY.

3.- ABOVE LOADINGS ARE BASED ON INTERNAL USEAGE ONLY I.E. WIND LOADS NOT CONSIDERED

4.- ALL MEMBERS CONSTRUCTED FROM GRADE 6061-T6 ALUMINIUM ALLOY COUPLERS FROM GRADE 2011 - T6 ALUMINIUM ALLOY SUPPORT FRAME GRADE 350 STEEL

5.- ABOVE TOTAL ALLOWABLE LOADS TO BE APPLIED EQUALLY OVER EACH VERTICAL LEG.

6.- MEMBER TO BE CONNECTED TOGETHER USING 16ø CASE HARDENED STEEL LOCKING PIN THROUGH FABRICATED ALUMINIUM COUPLERS

7.- TOP OF BOX COLUMN TO BE LATERALLY RESTRAINED TO SITE ENGINEER'S APPROVAL.

8.- ALL WELDS TO ALUMINIUM MEMBERS TO BE MIN. 5mm FILLED WELDS FILLER ALLOY 5356

9.- ALL WELDS TO STEEL MEMBERS TO BE MIN. 6mm G.P. C.F.W.

10.- ASSEMBLED COLUMN TO BE SUPPORTED ON TOWER BASE AS ILLUSTRATED ON DWG. No. 001-B PREPARED BY BROWNS WELDING P/L.

11.- TOWER BASE TO BE SUPPORTED ON GROUND TO SITE ENGINEER'S APPROVAL