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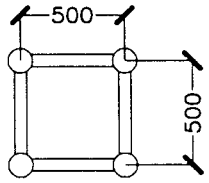
Project	500mm ALUMINUM ALLOY BOX TRUSS	Page:	1 of 1
	138 - 146 BROWNS RD, NOBLE PARK	Ref:	3625
Client	BROWN'S PRECISION WELDING Pty Ltd	Designed:	G.N.
		Date:	AUG 2003

500mm ALUMINIUM ALLOY BOX TRUSS

ALLOWABLE LOAD CHART



SPAN (Ft)	ALLOWABLE UNIFORM LOAD kgs	ALLOWABLE POINT LOAD kgs	
8	5771	5769	SINGLE TRUSS SEGMENT
16	4076	1996	TRUSS SEGMENTS CONNECTED TOGETHER USING SINGLE 16 DIA. GRADE 8.8 TENSILE BOLTS THROUGH 16mm GUSSET PLATES IN EACH CORNER
24	2648	1261	
32	1914	873	
40	1456	624	
48	1137	444	

NOTES:

1.- ABOVE LOADS TAKEN FROM COMPUTATIONS & COMPUTER ANALYSIS CARRIED OUT IN ACCORDANCE WITH A.S. 1664 - ALUMINUM STRUCTURES CODE

2.- ABOVE LOADINGS ARE BASED ON INTERNAL USAGE ONLY I.E. WIND LOADS NOT CONSIDERED.

3.- ALL MEMBERS CONSTRUCTED FROM GRADE 6061-T6 ALUMINUM ALLOY

4.- ALL WELDS TO BE MIN. 5mm FILLET WELDS FILLER ALLOY 5356

5.- ASSEMBLED TRUSS TO BE SUPPORTED ON EITHER TOP OR BOTTOM CHORDS AT EACH END.

6.- ABOVE LOAD HAVE BEEN COMPUTED ASSUMING THE EVEN DISTRIBUTION OF LOADS FROM INCOMING TRUSSES ACROSS TRUSS PANEL POINTS SO AS TO PREVENT TWISTING.

7.- ALL LOADS SHOULD BE LOCATED AT PANEL POINTS ie. THE INTERSECTION OF VERTICAL MEMBERS WITH THE HORIZONTAL CHORDS

8.- THE ASSEMBLED STRUCTURE IS TO BE ADEQUATELY BRACED SO AS TO PREVENT RACKING.

9.- THE LOADINGS SPECIFIED ABOVE ARE IN ADDITION TO THE SELF WEIGHT OF THE TRUSS