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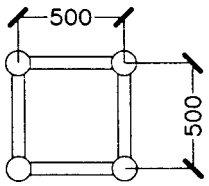
Project	500mm ALUMINIUM ALLOY BOX TRUSS	Page:	1 of 1
	138 - 146 BROWNS ROAD, NOBLE PARK	Ref:	3625
Client	BROWN'S PRECISION WELDING Pty Ltd	Designed:	G.N.
		Date:	AUG 2003

500mm ALUMINIUM ALLOY BOX TRUSS

ALLOWABLE LOAD CHART



SPAN (metres)	ALLOWABLE UNIFORM LOAD kgs	ALLOWABLE POINT LOAD kgs	
3	6704	6289	SINGLE TRUSS SEGMENT
6	3280	1589	TRUSS SEGMENTS CONNECTED TOGETHER USING SINGLE 16 DIA. GRADE 8.8 TENSILE BOLTS THROUGH 16mm GUSSET PLATES IN EACH CORNER
9	2103	974	
12	1487	641	
15	1097	421	
18	821	257	

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