

A.F. COLAFELLA & Associates Pty Ltd

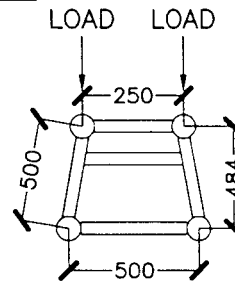
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Project	HEAVY DUTY ALLOY STACKING TRUSS LOAD CHARTS	Page:	IMPERIAL TRUSS
	138 - 146 BROWNS RD, NOBLE PARK	Ref:	4728
Client	BROWNS WELDING Pty Ltd	Designed:	GN
		Date:	MAR 04

HEAVY DUTY ALLOY STACKING TRUSS

ALLOWABLE LOAD CHART



SPAN (feet)	ALLOWABLE UNIFORM LOAD kgs	ALLOWABLE POINT LOAD kgs	
8	7715	7520	SINGLE TRUSS SEGMENT TRUSS SEGMENTS CONNECTED TOGETHER USING SINGLE 16 DIA. CASE HARDENED STEEL LOCKING PIN THROUGH FABRICATED ALUMINIUM COUPLERS.
16	3372	1653	
24	2178	1033	
32	1562	703	
40	1169	490	
48	895	334	
56	696	211	
64	517	108	

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
ie. 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.- ALL LOADS SHOULD BE LOCATED AT NODE POINTS ie. THE INTERSECTION OF VERTICAL MEMBERS WITH THE HORIZONTAL CHORDS
- 7.- THE ASSEMBLED STRUCTURE IS TO BE ADEQUATELY BRACED SO AS TO PREVENT RACKING.
- 8.- THE LOADINGS SPECIFIED ABOVE ARE IN ADDITION TO THE SELF WEIGHT OF THE TRUSS
- 9.- REMOVABLE BRACING BAR TO BE INSTALLED AT ALL TIMES DURING IN - SERVICE USE.
- 10.- TRUSS TO BE ORIENTATED AS PER SKETCH DURING IN - SERVICE USE, WITH LOAD APPLIED IN DIRECTION INDICATED.