

PAULCONOLE ENGINEERING PL

CONSULTING CIVIL AND STRUCTURAL ENGINEERS 23B HODGKINSON ST. CLIFTON HILL 3068

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PROJECT	SAFE LOAD TABLE FOR 400mm ELEMENT	PAGE:	1
	BOX TRUSS	REF:	288 /1-A
CLIENT	C.L.S. AUSTRALIA	DESIGNED:	PC
		DATE	Aug-14

ALLOWABLE LOAD CHART (REFER NOTES BELOW)

SPAN (metres)	ALLOWABLE UNIFORM LOAD kgs/m	ALLOWABLE POINT LOAD kgs	
3	600	930	SINGLE TRUSS SEGMENT
6	151	449	TRUSS SEGMENTS BOLTED
9	64	282	TOGETHER USING
12	32	193	2 1/2" DIAMETER GRADE 8.8 BOLTS TOP &
15	18	135	BOTTOM

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, 3.6mm around collars.
	5/	ASSEMBLED TRUSS TO BE SUPPORTED ON EITHER TOP OR BOTTOM CHORDS AT EACH END
	6/	ABOVE LOADS 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 I.E. THE INTERSECTION OF DIAGONAL MEMBERS WITH THE MAIN HORIZONTAL TUBES.
	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
	10/	DEFLECTION LIMITS HAVE NOT BEEN APPLIED IN COMPILING LOAD CHART