

# A.F. COLAFELLA & Associates Pty Ltd

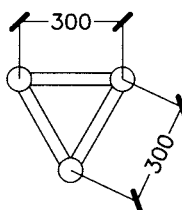
Consulting Structural & Civil Engineers  
3/178 Boronia Road, Boronia 3155

ACN 006 298 399  
Telephone: (03) 9762 6466  
Fax: (03) 9761 1766

Project	300mm TRI - TRUSS SAFE LOAD TABLES	Page:	APEX DOWN
	138-146 BROWNS RD, NOBLE PARK	Ref:	3148
Client	BROWN'S WELDING	Designed:	GN
		Date:	MAR 04

## TRUSS ALLOWABLE LOAD CHART

TRUSS SPAN m	TOTAL ALLOWABLE UNIFORM LOAD kg/m	TOTAL ALLOWABLE POINT LOAD kg
3	424	635
6	135	386
9	56	226
12	29	137



### NOTES:

- 1.- ALL TRUSSES TO BE ASSEMBLED WITH "BROWN'S WELDING" ALUMINIUM TRI - TRUSS 300mm C/C WITH THE APEX FACING DOWNWARD, AS SKETCHED ABOVE.
- 2.- COMPUTATIONS CARRIED OUT IN ACCORDANCE WITH A.S. 1664 - ALUMINUM STRUCTURES CODE
- 3.- ABOVE LOADINGS ARE BASED ON INTERNAL USAGE ONLY ie. WIND LOADS NOT CONSIDERED.
- 4.- ALL MEMBERS CONSTRUCTED FROM GRADE 6061-T6 ALUMINUM ALLOY
- 5.- ALL WELDS TO BE MIN. 5mm FILLET WELDS FILLER ALLOY 5356
- 6.- MINIMUM SUPORT CONDITIONS - AT LEAST TWO PARALLEL CHORDS TO SUPPORTED AT EACH END OF TRUSS.
- 7.- ALL LOADS SHOULD BE LOCATED AT NODE POINTS ie. THE INTERSECTION OF VERTICAL MEMBERS WITH THE HORIZONTAL CHORDS
- 8.- TRI TRUSS SEGMENTS CONNECTED TOGETHER USING TWO 12 DIA. GRADE 8.8 BOLTS THROUGH EACH 32x32x6 SHS END FRAME.
- 9.- THE LOADINGS SPECIFIED ABOVE ARE IN ADDITION TO THE SELF WEIGHT OF THE TRUSS
- 10.- ABOVE TOTAL LOADS TO BE DISTRIBUTED EVENLY OVER EACH TOP CHORDS.