

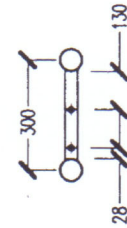
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Project	300 mm ALUMINIUM FLAT TRUSS	Page:	SK 1
		Ref:	4783
Client		Designed:	GN
		Date:	APR 2004

ALLOWABLE LOAD CHART (REFER NOTES BELOW)



SPAN (metres)	ALLOWABLE UNIFORM LOAD kg/m	ALLOWABLE POINT LOAD kgs	
3	124	187	SINGLE TRUSS SEGMENT NO RESTRAINT
3	500	760	SINGLE TRUSS SEGMENT MID - SPAN RESTRAINT
6	20	67	CONNECTED TRUSS SEGMENT MID - SPAN RESTRAINT

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.- TRUSS SEGMENTS BOLTED TOGETHER USING 2 No 1/2" DIA. GRADE 8.8 TENSILE BOLTS TOP & BOTTOM.
- 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
- 10.- DEFLECTION LIMITS HAVE NOT BEEN APPLIED IN COMPILING LOAD CHART
- 11.- MID - SPAN RESTRAINT TO BE APPLIED AT TOP CHORD FOR BOTH U.D.L. AND P.L. LOAD CASES AS NOTED IN CHART.