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Project 200 mm ALUMINIUM BOX TRUSS

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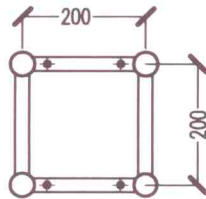
Ref: 6003

Client CONCERT LIGHTING SYSTEMS AUSTRALIA

Designed: G.N.

Date: NOV 2010

ALLOWABLE LOAD CHART (REFER NOTES BELOW)



SPAN (metres)	ALLOWABLE UNIFORM LOAD kgs	ALLOWABLE POINT LOAD kgs	
3	1966	1822	SINGLE TRUSS SEGMENT
6	1311	655	TRUSS SEGMENTS BOLTED TOGETHER USING 2 No 1/2" DIA. GRADE 8.8 TENSILE BOLTS TOP & BOTTOM
9	836	437	

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
- 10.- DEFLECTION LIMITS HAVE NOT BEEN APPLIED IN COMPILING LOAD CHART

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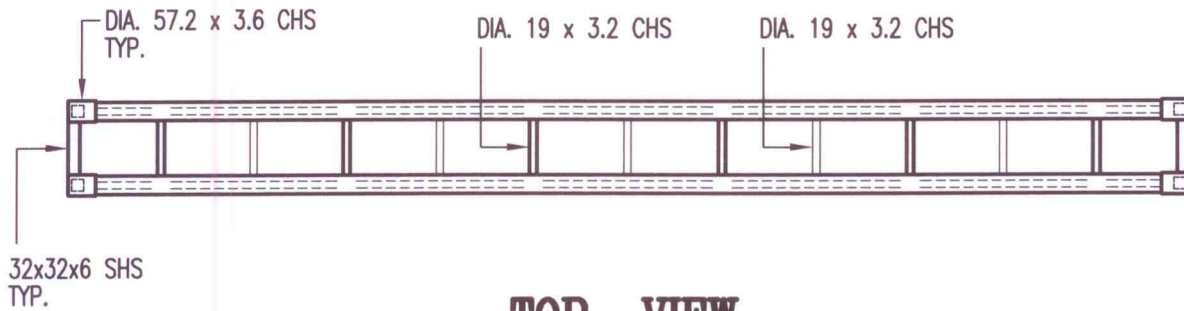
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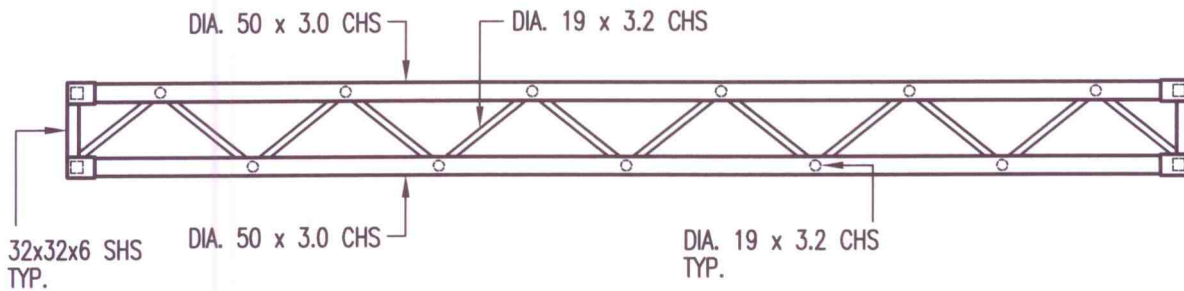
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TOP VIEW

SCALE 1:20

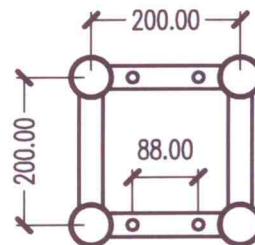


SIDE ELEVATION

SCALE 1:20

NOTES: 3.0m SECTION SHOWN

ALL MEMBERS ALUMINIUM GRADE 6061 T6 ALLOY
6 CFW THROUGHOUT FILLER ALLOY 5356



FRONT VIEW

SCALE 1:10