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Stage Canopy Method Statement For Opti Trilite 200 series trussing

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General Handling

Constructed from aluminium tube and brace bars the overall structure when assembled offers sturdy frame to place sheeting material and other performance equipment.

The Opti Trilite 200 series In unit form can be vulnerable to bending if not stored or loaded correctly for transportation, care should be taken not to place loads upon any unit section without support.

All section should be tethered to any vehicle, to prevent any impact to any section whistled in transit.

All handler or erecting crew should wear rigger gloves, as any section can slip through hands when wet, and can be damaged by impact if dropped.

Build & Dismantle

The Orange Audio event project manager will have detail plan of how the Opti Trilite 200 series should be laid out, erected and constructed.

On establishing the site for construction all section should be placed in the general lactation of erection site.

Stage canopy structure assemble stage 1

The four top corner sections should be placed approx to the size frame to be built.

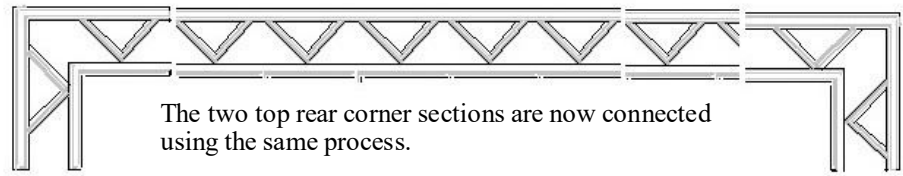
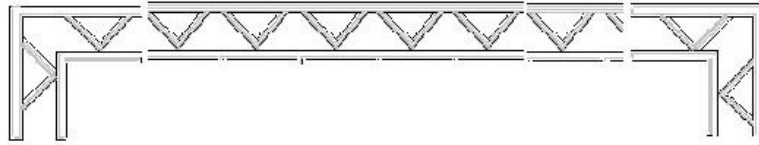


All Opti Trilite 200 series is connected together using aluminium spigot connectors and 2 x nuts & bolts inserted into ends of the fabricated sections



Stage canopy structure assemble stage 2

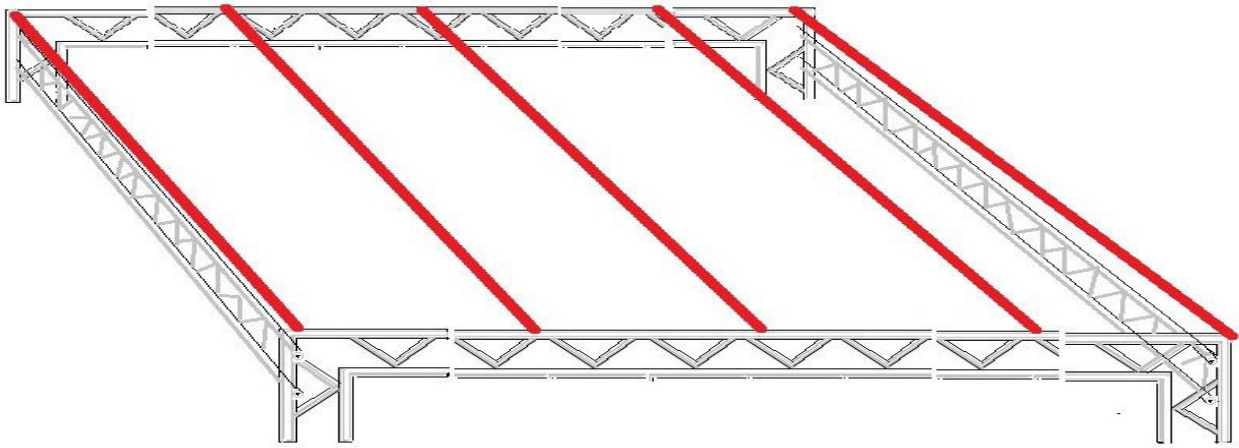
The two front top corner section can now be joined together using straight lengths Opti Trilite 200 series section /s, these straight sections are generally of 1M, 2M or 3M sections. Each section uses two connecting spigots and nuts & bolts, to retain each of the straight sections together.



The two top rear corner sections are now connected using the same process.

Stage canopy structure assemble stage 3

The top front assembled sections are now connected to the top rear assembled sections, using straight sections are generally of (1M, 2M or 3M) sections. Each section uses two connecting spigots and nuts & bolts, or 2 x tubular clamps to retain each of the straight sections together.



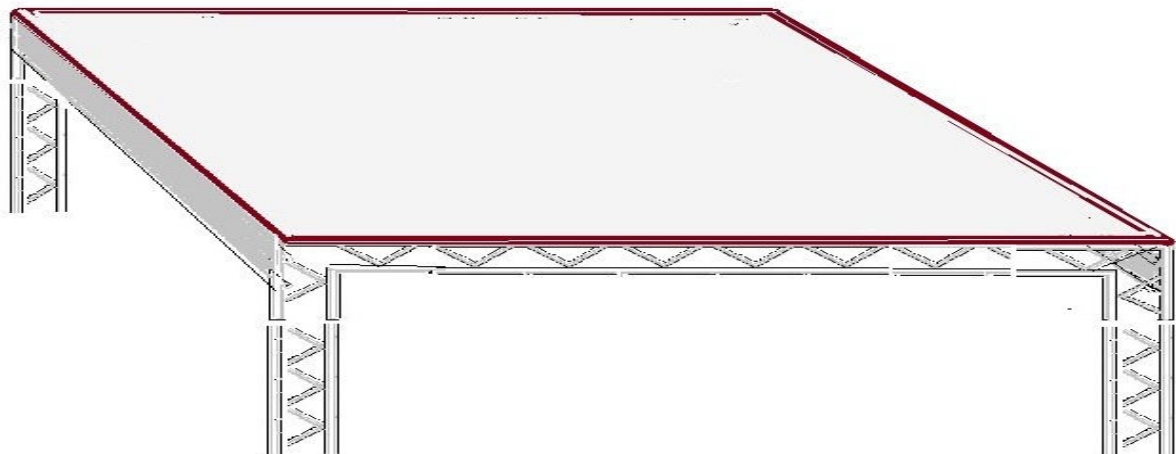
Ratchet straps are now attached to Opti Trilite 200 series frame, running from the front to the rear.

The weather proof sheeting material is now attached using ball bungee ties.

Also at this stage any rear or side walls weather proof sheeting material is now attached using ball bungee ties

Stage canopy structure assemble stage 4

Four upright section are now located on each of the four corner sections, generally (1m or 2M) sections uses two connecting spigots and nuts & bolts.



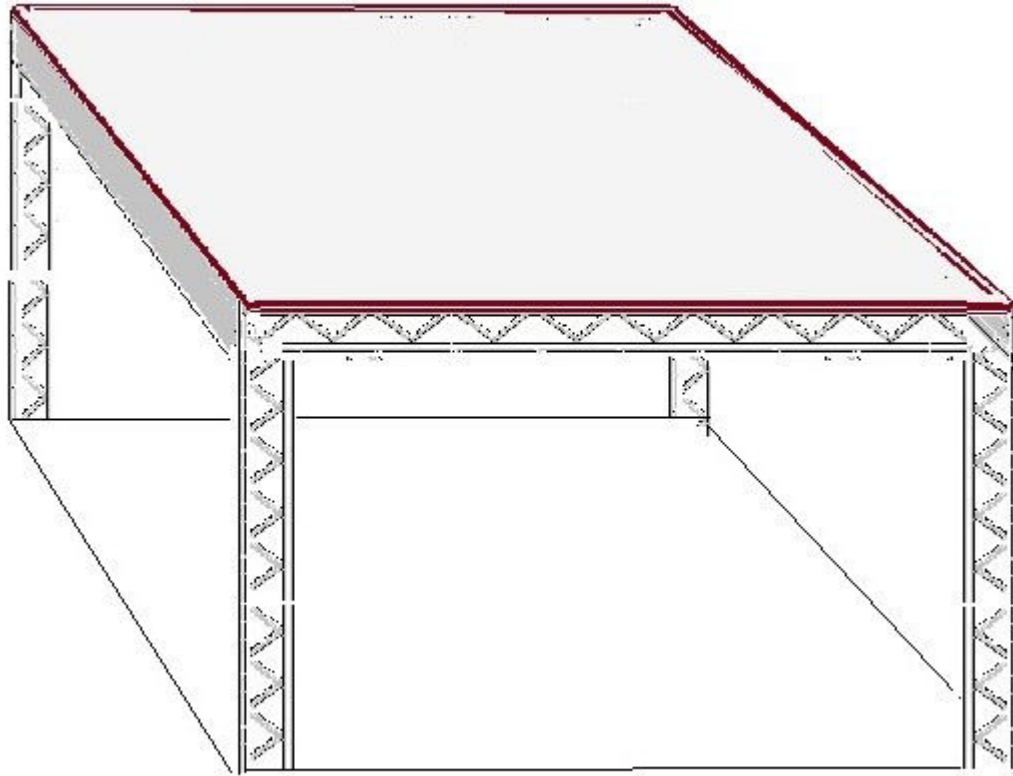
More sections can be added at 1M sections to rise the height of the roof canopy.

Two erection crew will be required to attached any additional sections, one on each of the front upright sections legs.

Then working on the rear upright section, additional leg sections can be added, the process is repeated till the required height of the roof canopy is reached.

Stage canopy structure assemble stage 5

Opti Trilite 200 series frame structure is now attached to Steeldeck stage structure using 2 x tubular clamps for each leg. For Opti Trilite 200 series frame structure using just 3 x 1m or 1 x 2m + 1 x 1m legs there is no need for additional basing. On structures using 4m and above, additional cross, rear and corner straight basing is required.



Adverse weather condition and actions

The Orange Audio project manager will be responsible for monitoring weather conditions throughout the duration of the hire, while on site..

Where the stage and canopy is left over a number of days, the responsibly will be delegated to the hire to monitor the weather conditions at site. This might be done remotely by the Orange Audio project manager with liaison with the hirer, and should any adverse weather condition be forecast the following actions take place.

All sheeting material and products, including any (banners, flags and displays) or any item effective by adverse wind ,be taken down/off the stage & canopy structure, and stored safely, or tethered under the stage structure.

The stage and canopy is safe to use in wind conditions up to 25mph (Gust up 40 mph), should the wind speed condition forecast of over 25mph wind speed, cautions should be taken.

Wind speeds of over 40 mph we recommend that the stage & canopy not be used.

Dismantle

Dismantle is the reverse of the erection workings.

We would like remind the hirer that the dismantle is likely to take place after dark, and consideration should be given to there being working lights.

All should be mindful that our crew, event staff and the general public, might not be as alert at the end of an event and that endiquiet lighting being the major aspect of accidence and injury.

If there no working light, we can help by supplying working light for this purpose.

Structure, load & technical Speciation

Trilite 200

Trilite 200 is a highly versatile, strong 2-inch aluminium tube truss system used in exhibition halls all over the world. It is quick and easy to assemble and has great length to weight and load-bearing qualities.

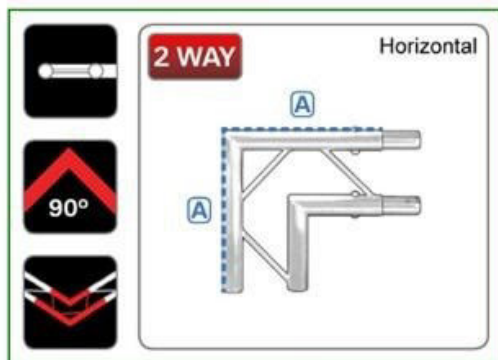
LADDER (*Vertical Mode)

Length (m)	0.4	0.8	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
Ref. Code	2 LD 400	2 LD 800	2 LD 1000	2 LD 2000	2 LD 3000	2 LD 4000	2 LD 5000	2 LD 6000	2 LD 7000	2 LD 8000
Weight kg	1.20	1.89	2.20	3.72	5.25	6.77	8.30	9.82	11.35	12.87
Max UDL kg	N/A	N/A	505	493	473	414	338	288	252	222
Max Pnt kg	N/A	N/A	444	374	277	212	180	148	123	111

TRIANGULAR

Length (m)	0.4	0.8	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
Ref. Code	2 TR 400	2 TR 800	2 TR 1000	2 TR 2000	2 TR 3000	2 TR 4000	2 TR 5000	2 TR 6000	2 TR 7000	2 TR 8000
Weight kg	2.03	3.09	3.61	6.24	8.86	11.45	14.11	16.74	19.36	22.0
Max UDL kg	N/A	N/A	1,245	1,196	916	688	565	477	403	360
Max Pnt kg	N/A	N/A	549	405	316	267	221	200	173	155

200 Series Junction 90°



TECHNICAL SPECIFICATION

DESCRIPTION

Technical Specification

LD J2 90H Junction Data

OPTI Trilite 200

A = 400mm

Weight = 1.66Kg

Certification

Certification

Trilite by [Opti] (part of Optikinetics Inc) is proud to announce that they are now **ISO-9001:2015 certified**.

Trilite is committed to offering **high quality products** to ensure that their **truss systems** are manufactured to the highest standards and regulations. In addition to the **ISO-9001:2015 certification**, Trilite also holds **TUV certification**.

TO VIEW THE ISO-9001:2015 AND TUV CERTIFICATIONS CLICK THE BELOW LINKS:

- [ISO-9001:2015](#)
- [TUV-Mark Approval](#)
- [TUV-Mark Approval Page1](#)
- [TUV-Mark Approval Page2](#)

