



Photo: ST truss works

### SYSTEM DESCRIPTION

The ST Roof is a tower-based structure with a pitched roof, a design that inherently offers optimum strength. The larger ST Series offers flexible possibilities for creating stage dimensions up to 30 × 20 m. Technical specifications available on request.

### BASIC TRUSSING

- Tower - ST masts system  
S40T truss
- Grid - S52SV truss

### INCLUDING

- Tension gear and steel wires
- Structural report

#### ROOF STRUCTURE

|           |   |
|-----------|---|
| Towers    | 6 x ST-tower, mast sections of S40T truss |
| Main grid | S52SV truss                               |

#### TECHNICAL SPECIFICATIONS - ST ROOF

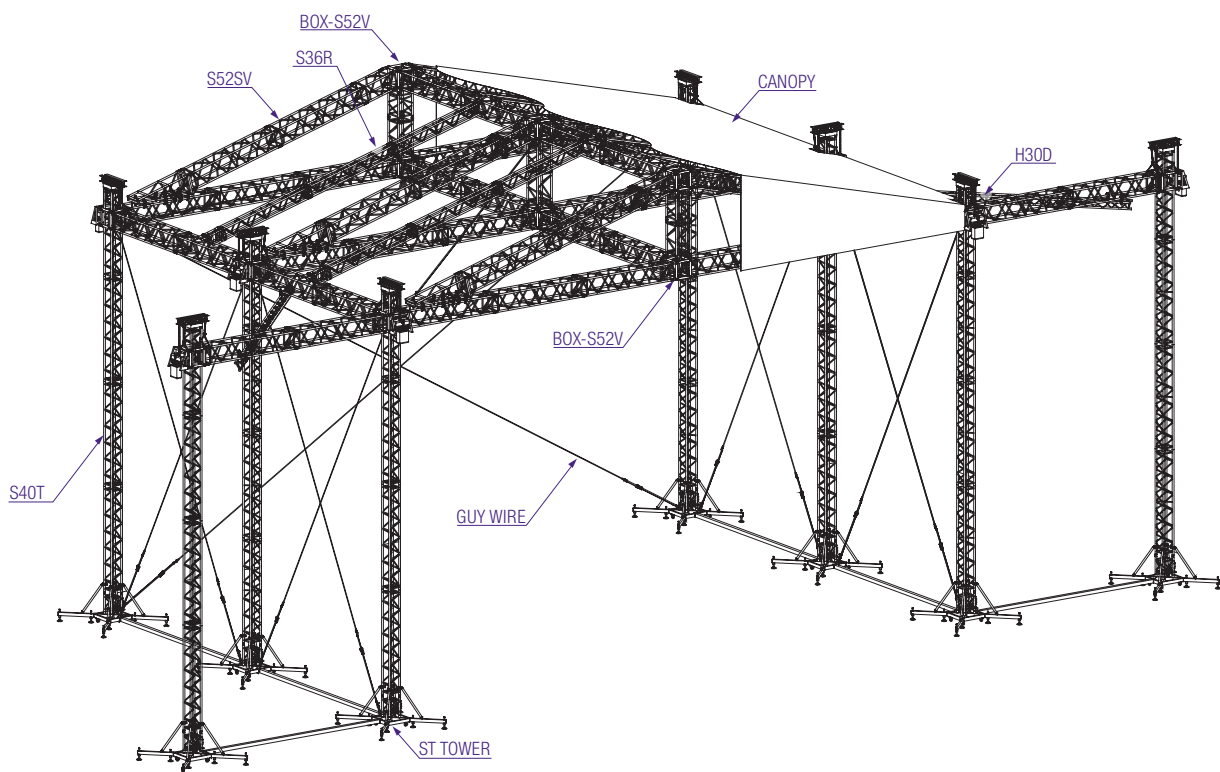
|                        |   |
|------------------------|---|
| Dimensions             | 20 x 14 m, 18 x 14 m, 16 x 14 m,<br>(65'7" x 45'11"), (59'0" x 45'11"),<br>(52'5" x 45'11") |
| Loading capacity (UDL) | approx. 14.000 kg / 30905 lbs   |
| Total weight           | approx. 7500 kg / 16556 lbs   |
| Transportation volume  | approx. 120 m <sup>3</sup> / 4235 cu. ft.   |
| Max. wind speed        | 28,4 m/second, 63,3 mph   |

#### OPTIONS

|   |  |                    |               |                 |                 |              |              |              |              |                |  |
|---|--|--------------------|---------------|-----------------|-----------------|--------------|--------------|--------------|--------------|----------------|--|
| Canopy  | side, back and top   |                    |               |                 |                 |              |              |              |              |                |  |
| Canopy colour   | standard: outside grey, inside black (other colours possible)  |                    |               |                 |                 |              |              |              |              |                |  |
| Soundwings  | yes / loading 2000 kg each   |                    |               |                 |                 |              |              |              |              |                |  |
| Ballast   | several possibilities on request from 1 - 7 ton per tower depending on construction and wind speed   |                    |               |                 |                 |              |              |              |              |                |  |
| Staging   | Prolyte stage elements, EasyFrame B or Pro-beam combined with a scaffolding stage  |                    |               |                 |                 |              |              |              |              |                |  |
| Prolyft hoist (20x14 ST roof without sound-wings) and accessories | <table> <tr> <td>6x PAE-1000DC-0030</td><td>1x PLA-41-001</td></tr> <tr> <td>6x PAE-A-FC1000</td><td>6x PAE-A-50-010</td></tr> <tr> <td>3x PLA-33-20</td><td>2x PLA-30-20</td></tr> <tr> <td>4x PLA-30-10</td><td>2x PLA-34-02</td></tr> <tr> <td>1x PAE-C8DC-10</td><td></td></tr> </table> | 6x PAE-1000DC-0030 | 1x PLA-41-001 | 6x PAE-A-FC1000 | 6x PAE-A-50-010 | 3x PLA-33-20 | 2x PLA-30-20 | 4x PLA-30-10 | 2x PLA-34-02 | 1x PAE-C8DC-10 |  |
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| 6x PAE-A-FC1000   | 6x PAE-A-50-010  |                    |               |                 |                 |              |              |              |              |                |  |
| 3x PLA-33-20  | 2x PLA-30-20   |                    |               |                 |                 |              |              |              |              |                |  |
| 4x PLA-30-10  | 2x PLA-34-02   |                    |               |                 |                 |              |              |              |              |                |  |
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| 1x PAE-C8DC-10  |  |                    |               |                 |                 |              |              |              |              |                |  |
| Comprehensive building manual                                     | yes  |                    |               |                 |                 |              |              |              |              |                |  |

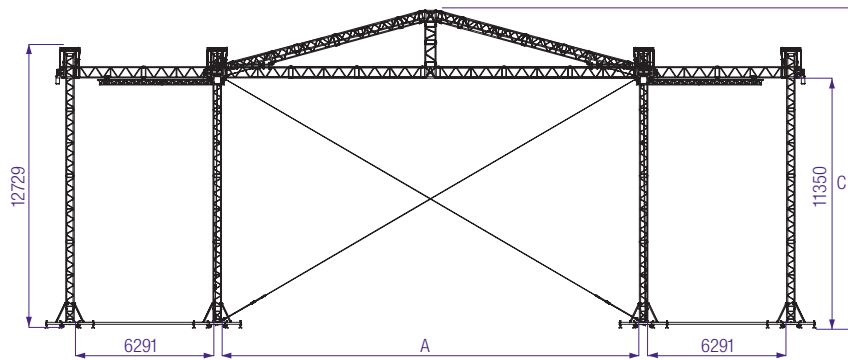


Photo: Pro 1, Latvia, Project: Beach Party

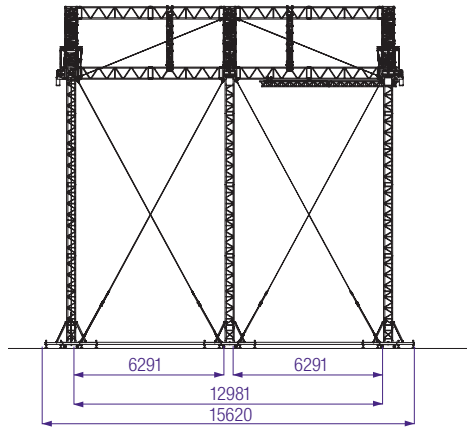




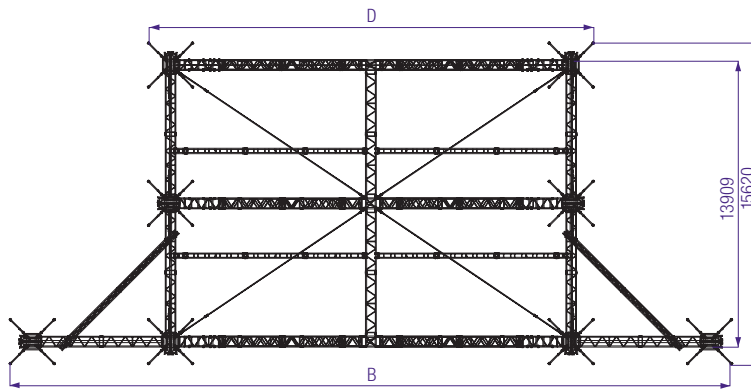
Front view



Side view



Top view

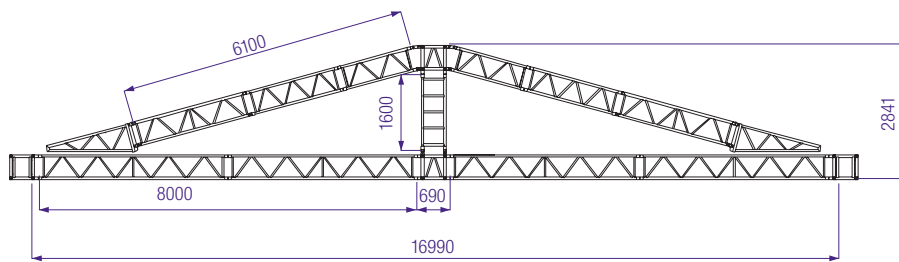


#### ST-ROOF SYSTEM

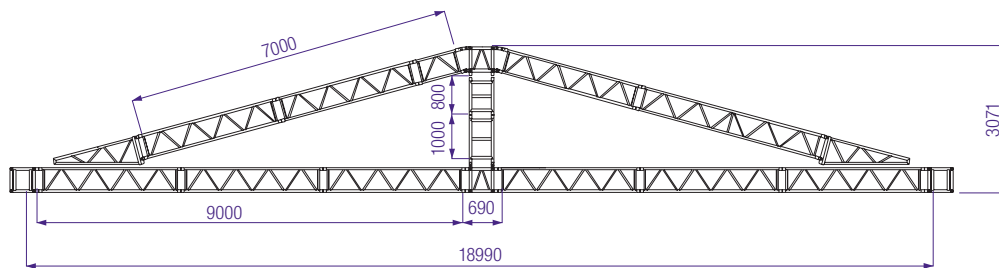
| Stage measurements |               | A       |       | B      |        | C       |       | D       |       |
|--------------------|---------------|---------|-------|--------|--------|---------|-------|---------|-------|
| 20 x 14 m          | 65'6" x 45'9" | 20,99 m | 68'8" | 37,0 m | 108'2" | 14,70 m | 48'2" | 23,62 m | 77'4" |
| 18 x 14 m          | 59'0" x 45'9" | 18,99 m | 62'3" | 35,0 m | 114'8" | 14,70 m | 48'2" | 21,62 m | 70'9" |
| 16 x 14 m          | 52'5" x 45'9" | 16,99 m | 55'7" | 33,0 m | 121'3" | 14,70 m | 48'2" | 19,62 m | 64'3" |

## ST ROOF

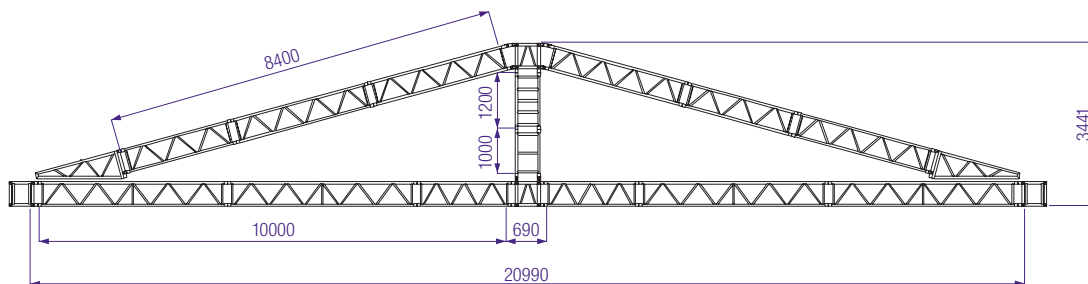
**ST ROOF 16 x 14 m**



**ST ROOF 18 x 14 m**



**ST ROOF 20 x 14 m**



all measurements in mm