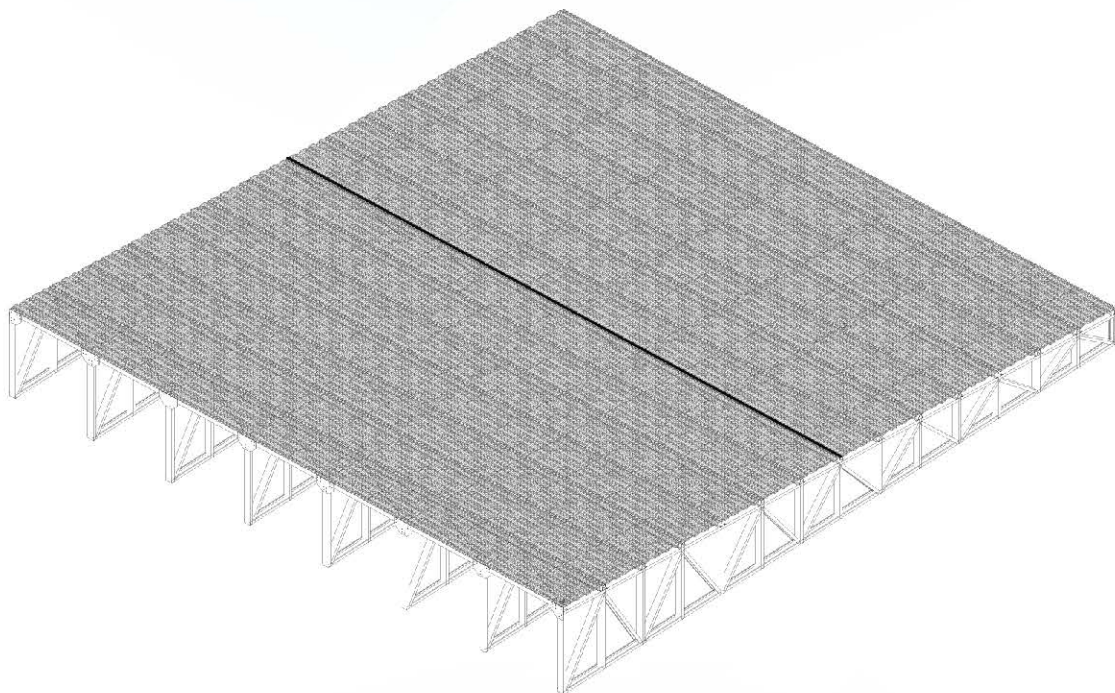


EasyMechMR^{galaxy}

Assembly Instruction Manual



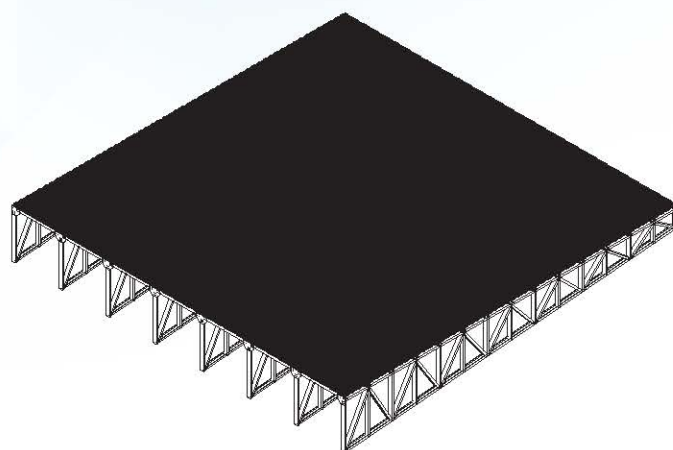
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✉ info@con-formgroup.com.au

EasyMechMR^{galaxy}

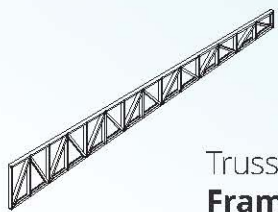
High Performance
 Surface Mounted Platform.



Contents

Tools Needed	Parts
Tape Measure	Truss Frames
Black Marker	RHS Cross Supports
Spirit Level	Cross Support Splice
Impact Driver	Top Hat Cross Supports
PH2 Phillips Head Bits	Top Hat Splice
5/16" Hex Head Driver Bit	Full Star Brace
Drill	Half Star Brace
High-Speed Drill Bit Kit	Quarter Star Brace
Nibbler Drill Attachment	C-Channel Horizontal Brace
Circular Saw	Diagonal Truss Brace
Mallet	Mesh Sheet
18V Wet/Dry Vac Skin	Mesh Joiner
	Mesh Edge Bar
	35mm Self Drilling Tek Screws
	35mm Needle Point Screws
	20mm Tek Screws
	16mm Tek Screws
	Hold Down Discs
	Certification Plate

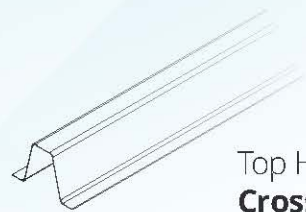
Parts



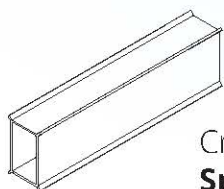
Truss
Frame



RHS
Cross Support



Top Hat
Cross Support



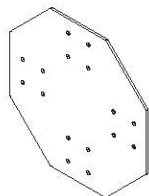
Cross Support
Splice



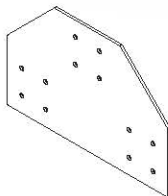
Mesh
Sheet



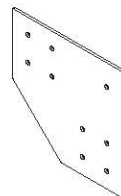
Mesh
Joiner



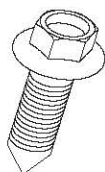
Full
Star Brace



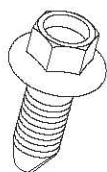
Half
Star Brace



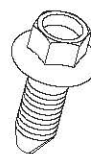
Quarter
Star Brace



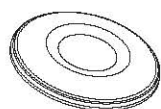
35mm
Needle Point Screws



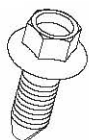
35mm
Tek Screws



20mm
Tek Screws



35mm **Tek Screw**
+ Hold Down **Disc**

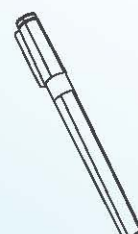
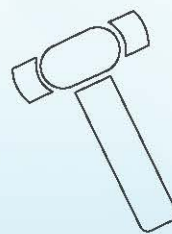
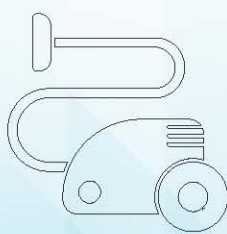
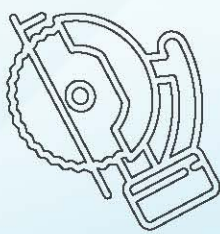
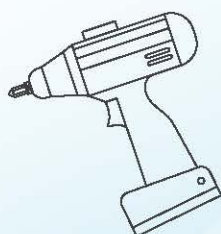
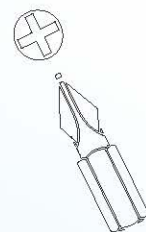
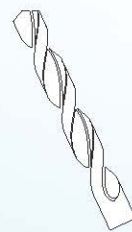
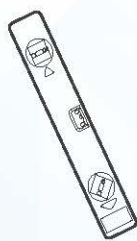
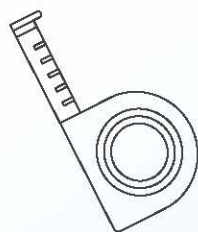


16mm
Tek Screws



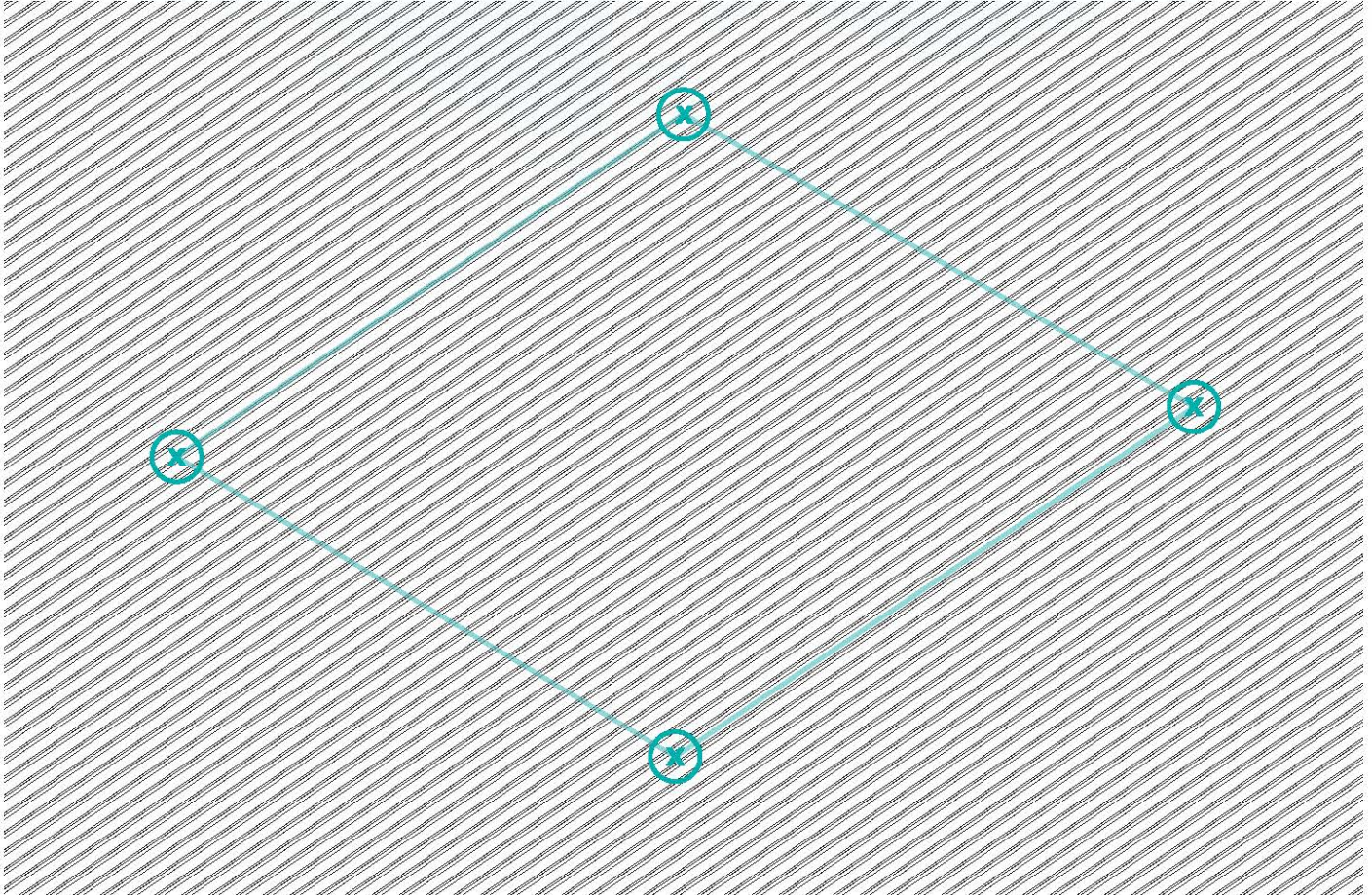
Certification
Sign

Tools required



Assembly

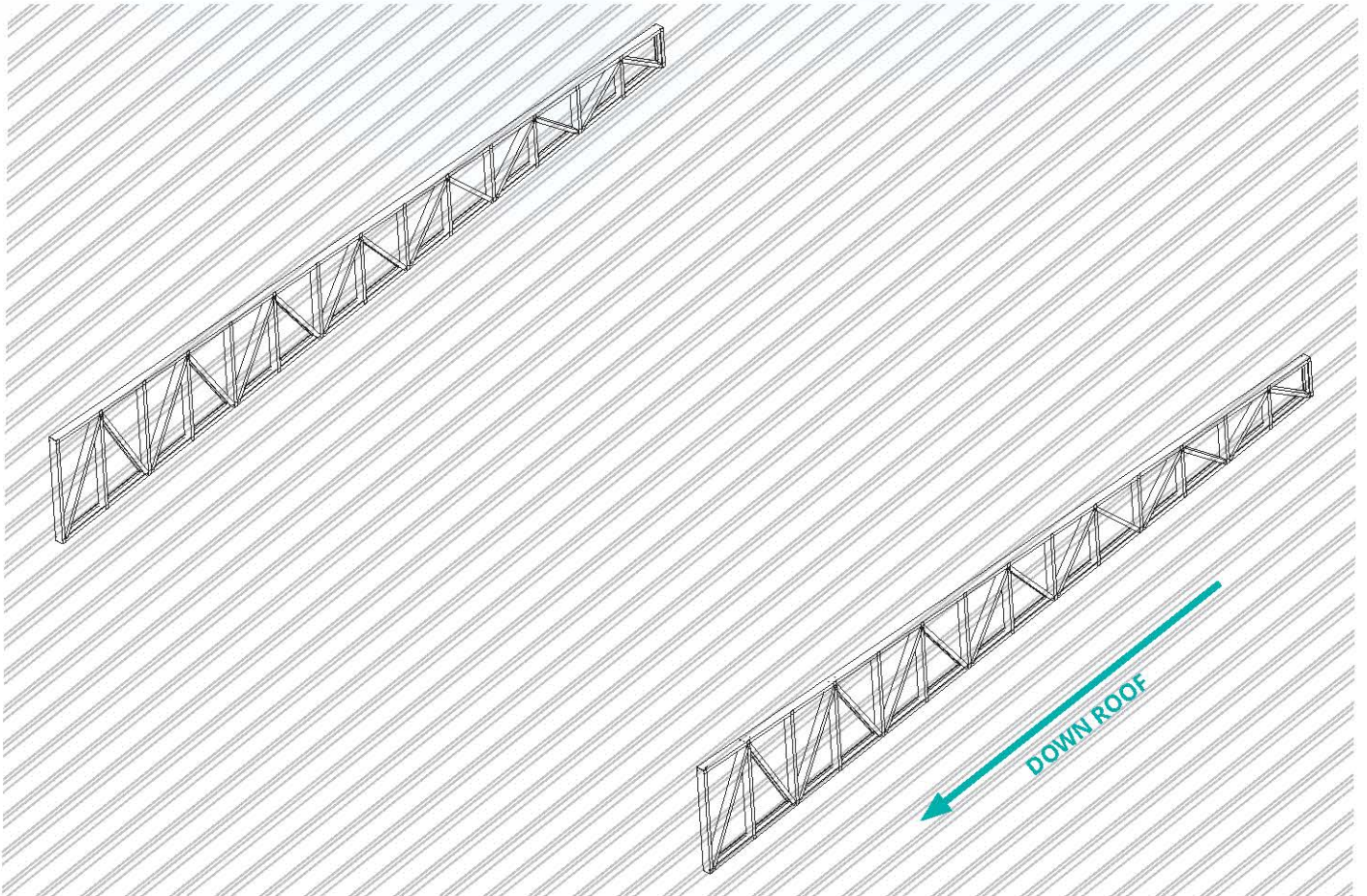
1



Assembly description

1. Measure and mark out the four corners of the platform on the roof sheet where you will place your platform, making sure each corner mark falls in a roof pan.

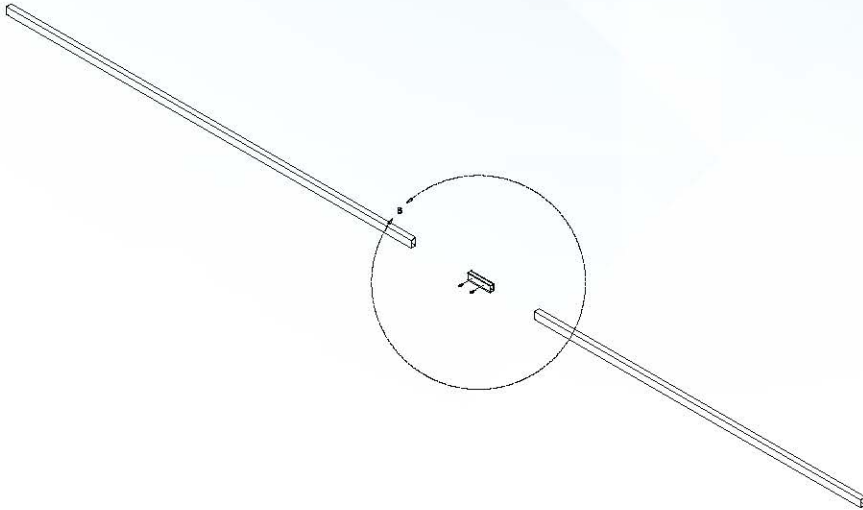
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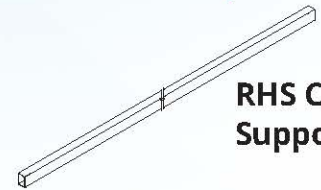
Assembly description

2. Place the **Truss Frames** in the roof pan on the corner marks at each end of the platform. The high end of each Truss Frame must be down the roof.

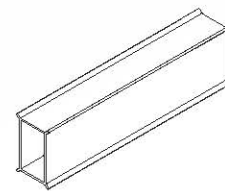
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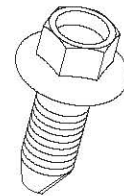
Parts required



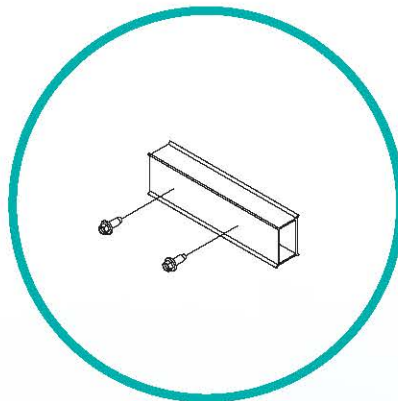
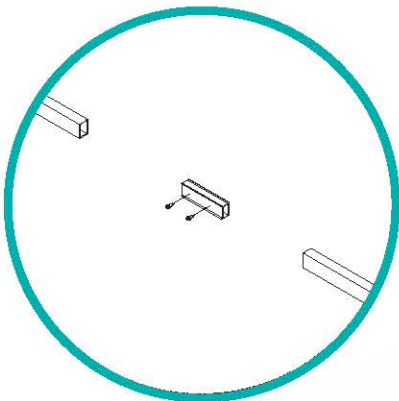
RHS Cross Support



Cross Support Splice



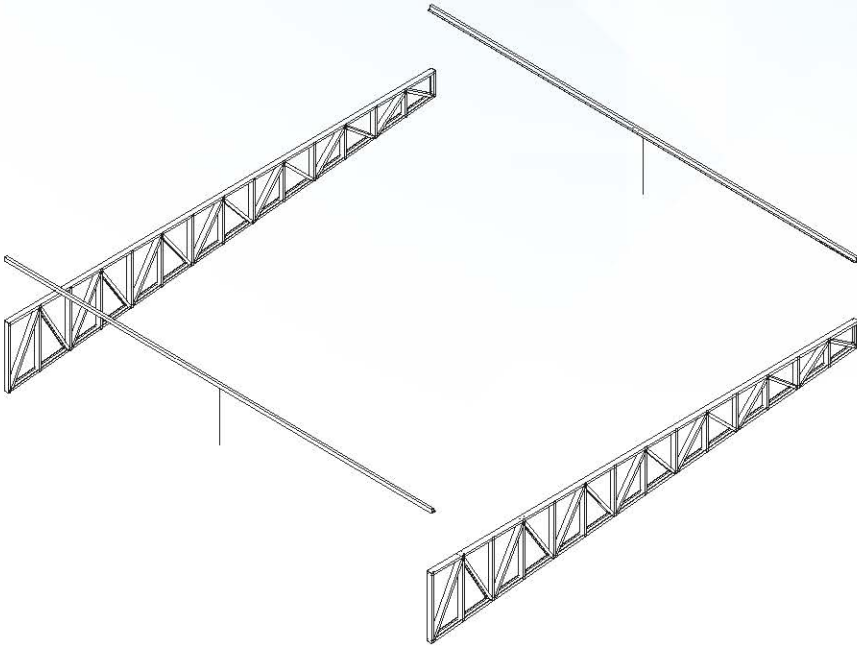
20mm Tek Screws



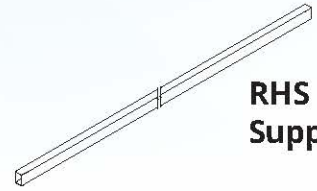
Assembly description

3. If the platform is longer than 6000mm across the roof, the front and back **RHS Cross Supports** will be supplied in two pieces. Join the two RHS Cross Supports together using **20mm Tek Screws** and **Cross Support Splices**.

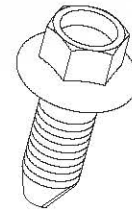
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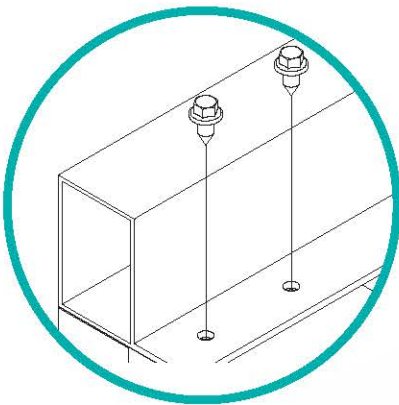
Parts required



RHS Cross Support



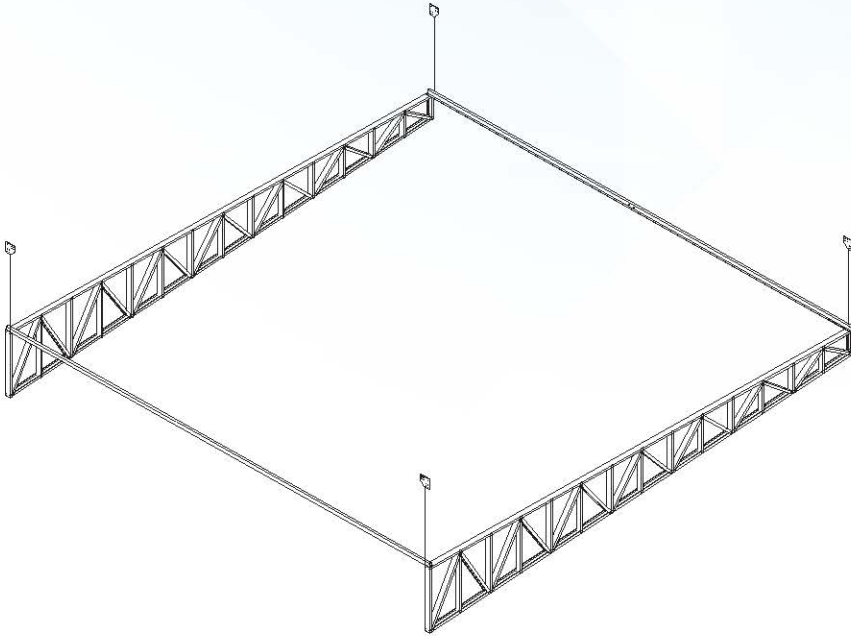
20mm Tek Screws



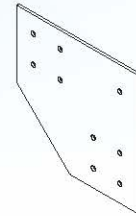
Assembly description

4. Place the **RHS Cross Supports** between the two Truss Frames at each end of the platform. Ensure face of the RHS member is flush with the outer face of the truss. Fix the flange of the RHS Cross Support to the Truss Frames using **20mm Tek Screws**.

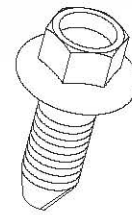
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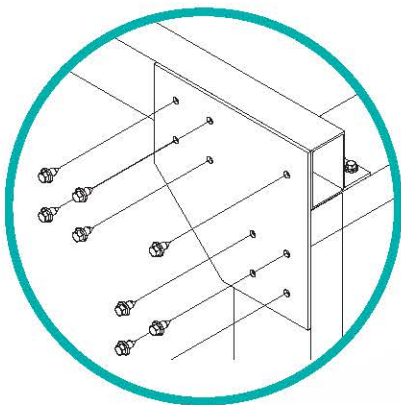
Parts required



Quarter **Star Brace**



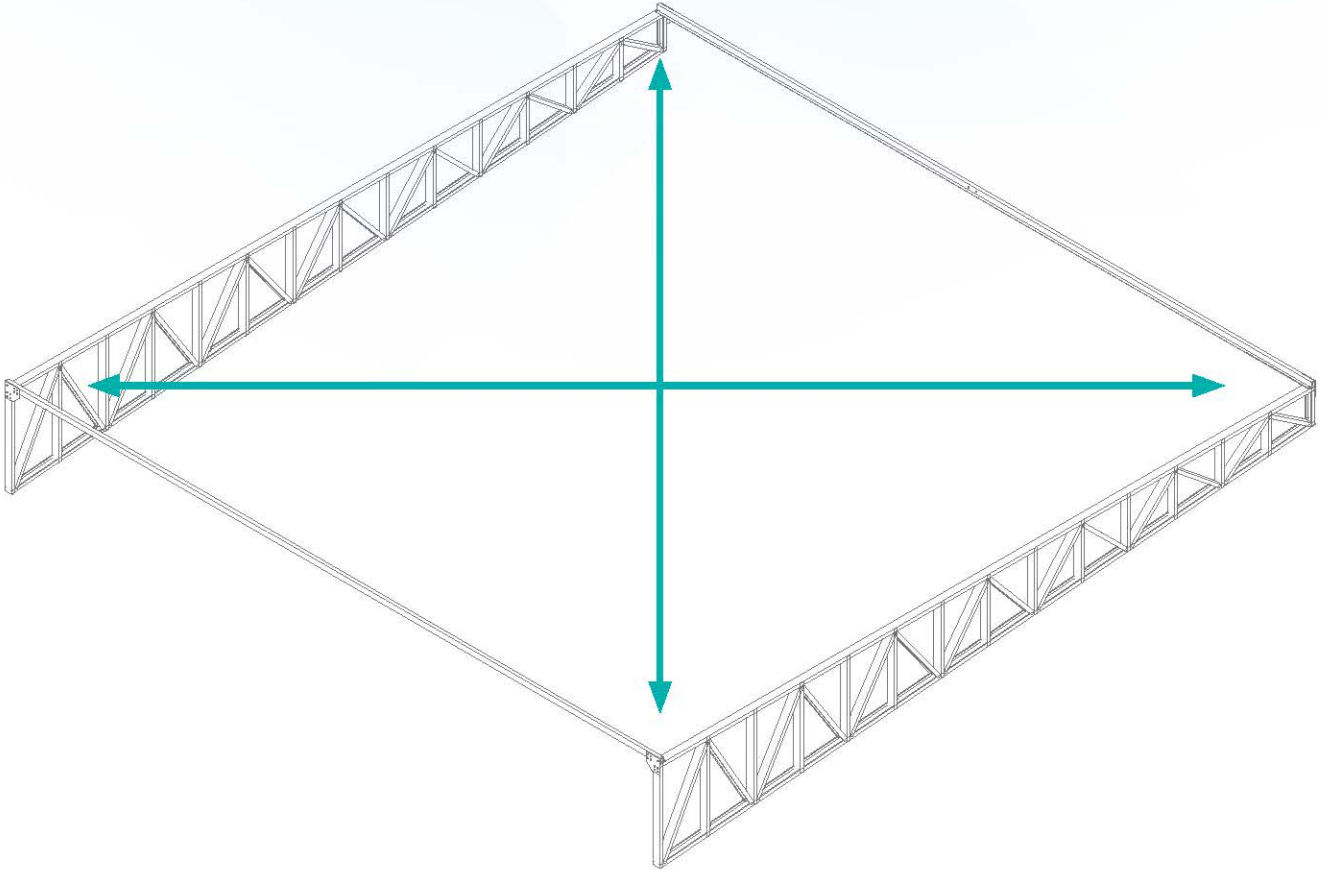
20mm **Tek Screws**



Assembly description

5. Plumb the two Truss Frames and fix a **Quarter Star Brace** between the Truss Frames and the RHS Cross Supports at each of the four corners with **20mm Tek Screws**.

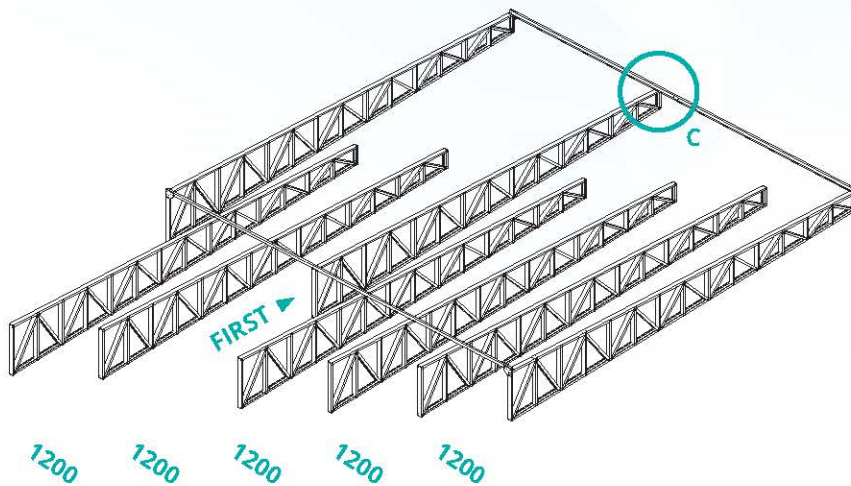
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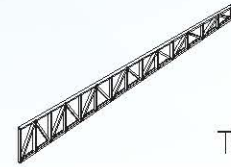
Assembly description

6. Make sure that your Truss Frames are parallel with the roof sheeting. Check and adjust the outer frame for square by measuring between the diagonal points and ensuring the two distances are the same.

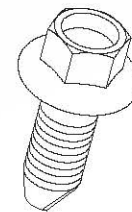
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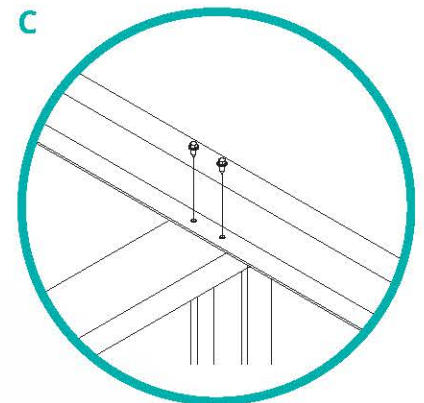
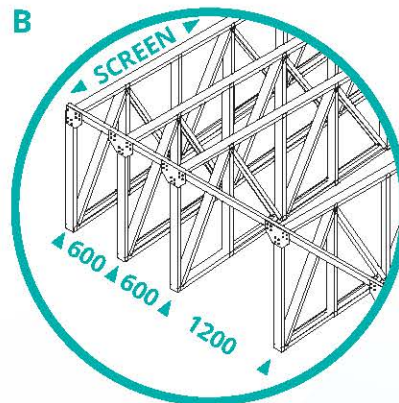
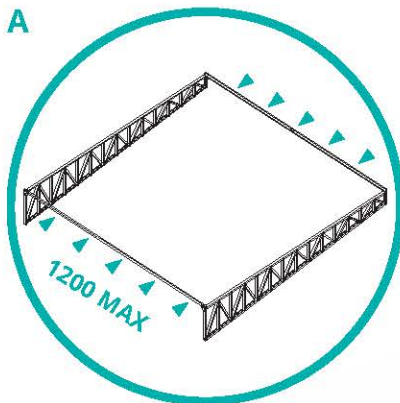
Parts required



Truss **Frame**



20mm **Tek Screws**



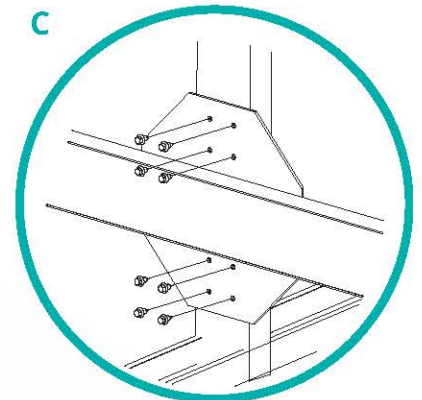
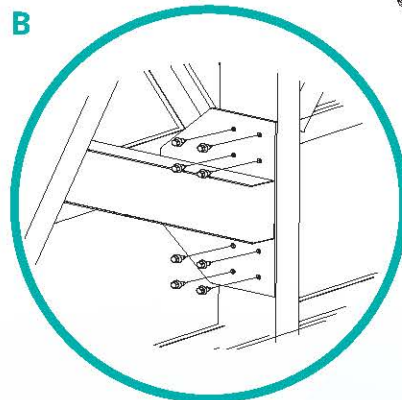
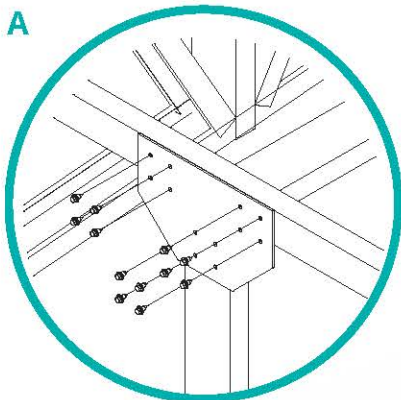
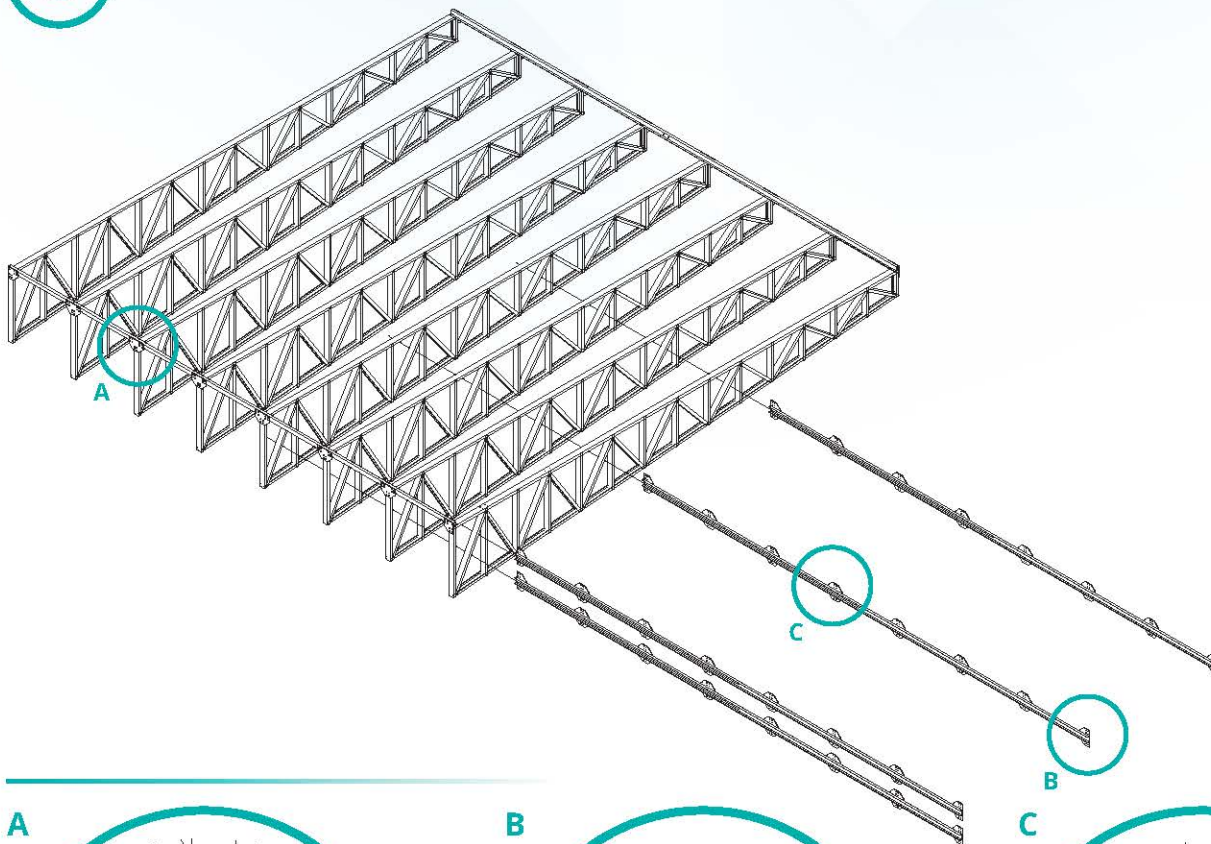
Assembly description

7/A. Mark the location of the internal **Truss Frames** on the RHS Cross Supports, making sure no gap exceeds 1200mm. Slide in and fix each truss through the flange of the RHS Cross Supports using **20mm Tek Screws**. Ensure each truss is parallel and plumb.

7/B. If screens are present on either the left or right sides of the platform, there will be an additional truss inserted 600mm in from the end truss.

Gap Formula ($\text{Length} / (\text{Quantity of Internal Truss Frames} + 1)$).

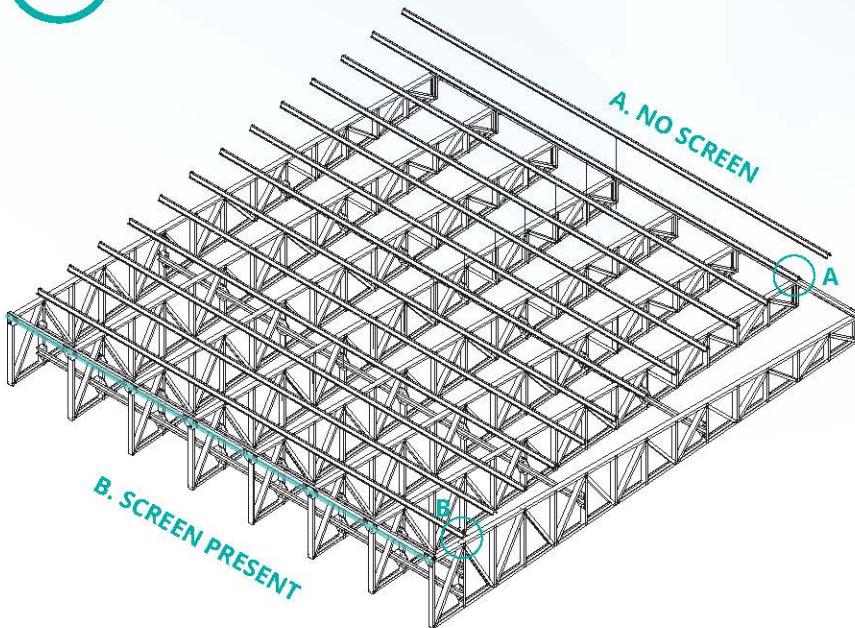
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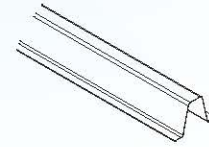
Assembly description

8. Fix the **Half Star Braces** to the front and back RHS Cross Supports and internal Truss Frames using **20mm Tek Screws**. If the first vertical in from the high side of the truss is greater than 500mm, **Full Star Braces and a Horizontal Truss Brace** will be supplied. Fix the Full Star Braces and Horizontal Truss Brace, 500mm down from the top of the Truss. Continue to fix Full Star Braces with Horizontal Truss Braces and on every 4th vertical, where the vertical height is greater than 500mm.

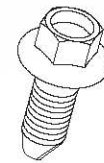
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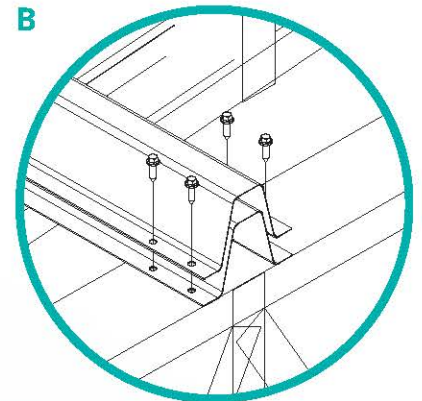
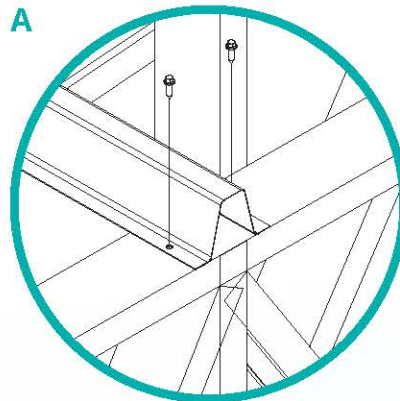
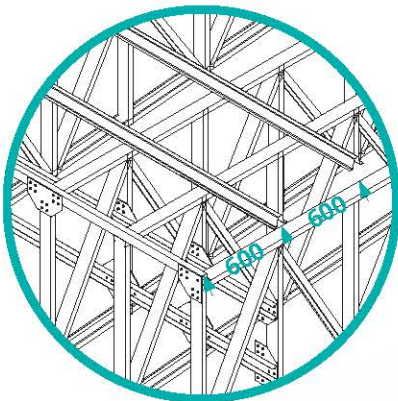
Parts required



Top Hat
Cross Support



20mm **Tek Screw**

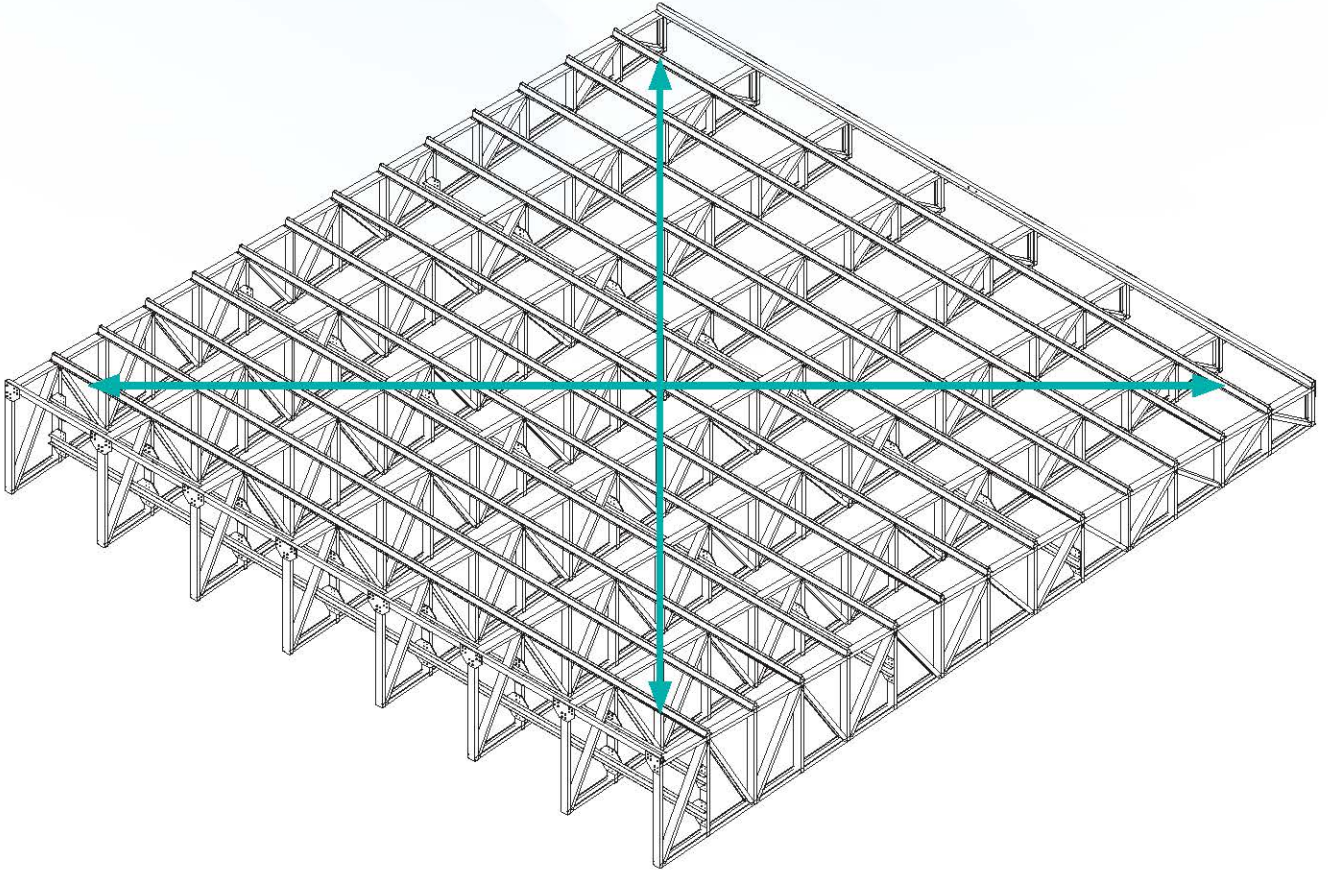


Assembly description

9/A. Place the **Top Hat Cross Supports** at 600mm centres and fix in place using **20mm Tek Screws**.

9/B. If screens are present at either front or back, an **additional Top Hat** will be supplied. Laminate the first Top Hat with this member, using four **20mm Tek Screws**.

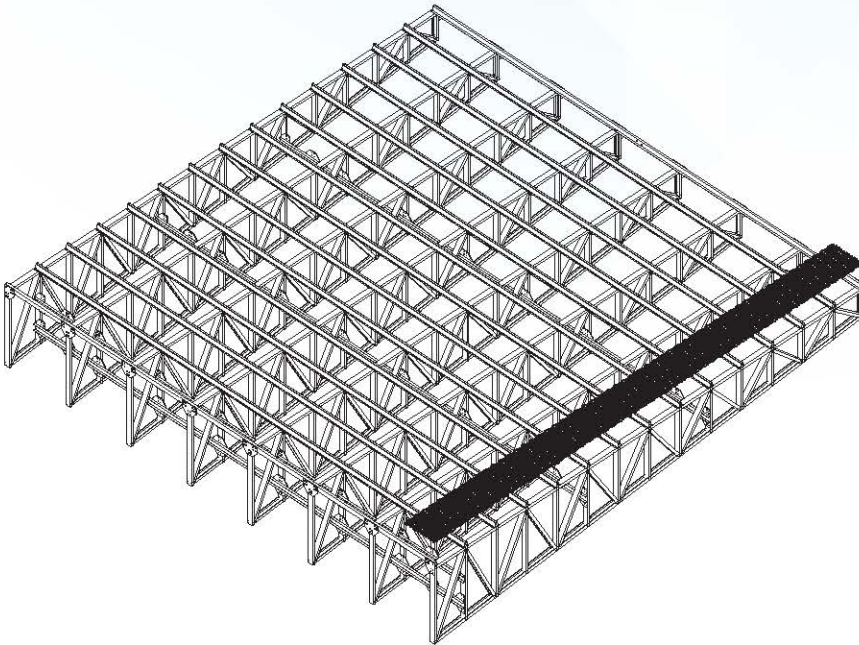
10



Assembly description

10. Check the complete frame and ensure screws are inserted and tightened. Check again for square using the diagonal measurements and check that the frame is straight along the length by using a string line.

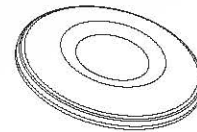
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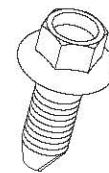
Parts required



Mesh Sheet

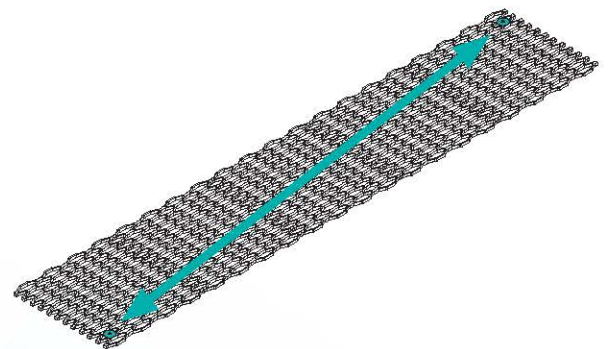
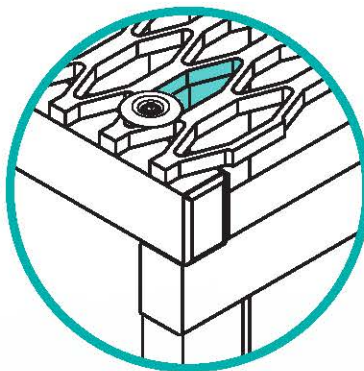
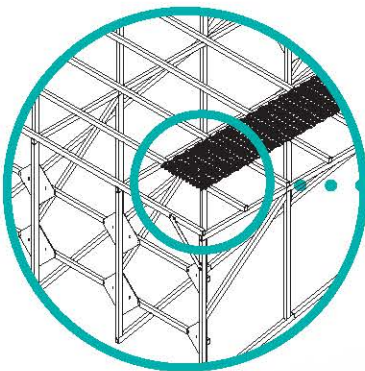


Hold Down Disc



To RHS: 35mm Tek Screws

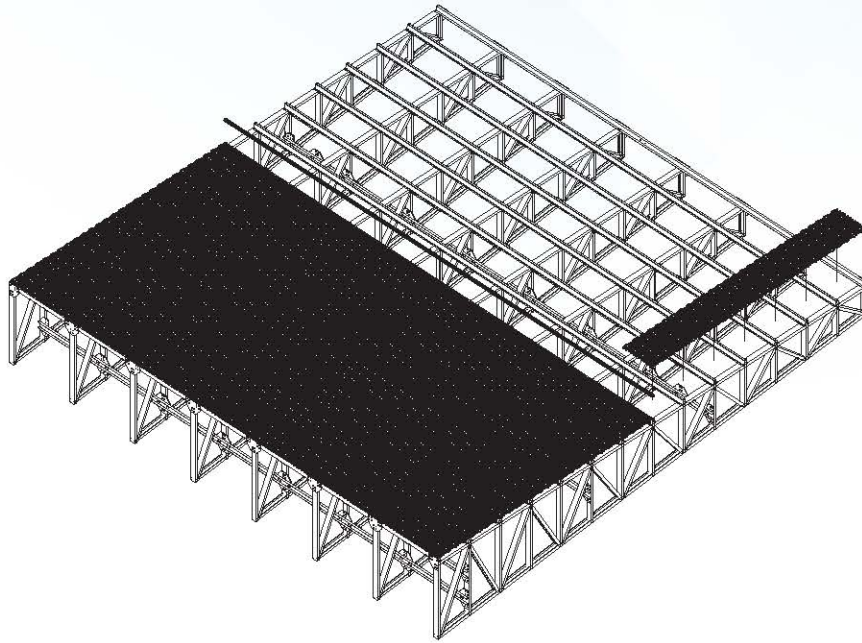
To Top Hats: 35mm Needle Point Screws



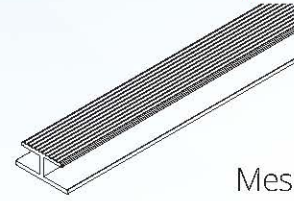
Assembly description

11. Place the first **Mesh Sheet** across the Cross Supports, keeping the side flush with the end Truss Frame and flush with the end RHS Cross Support. Fix the Mesh Sheet to the Cross Supports on the diagonal corners only, using a **35mm Tek Screw and Hold Down Disc** in the second full diamond of the Mesh Sheet.

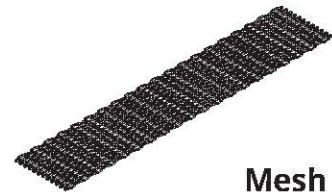
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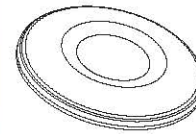
Parts required



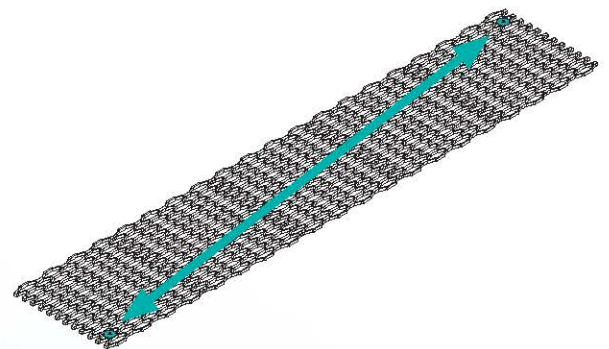
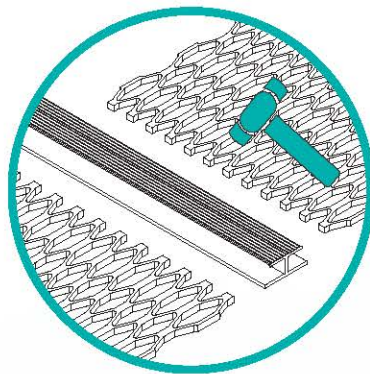
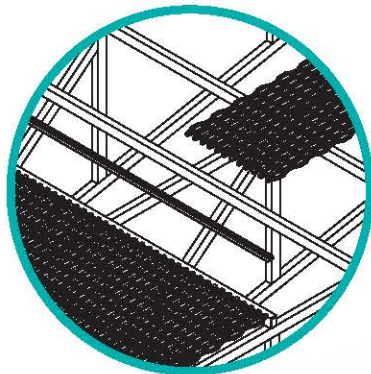
Mesh **Joiner**



Mesh **Sheet**



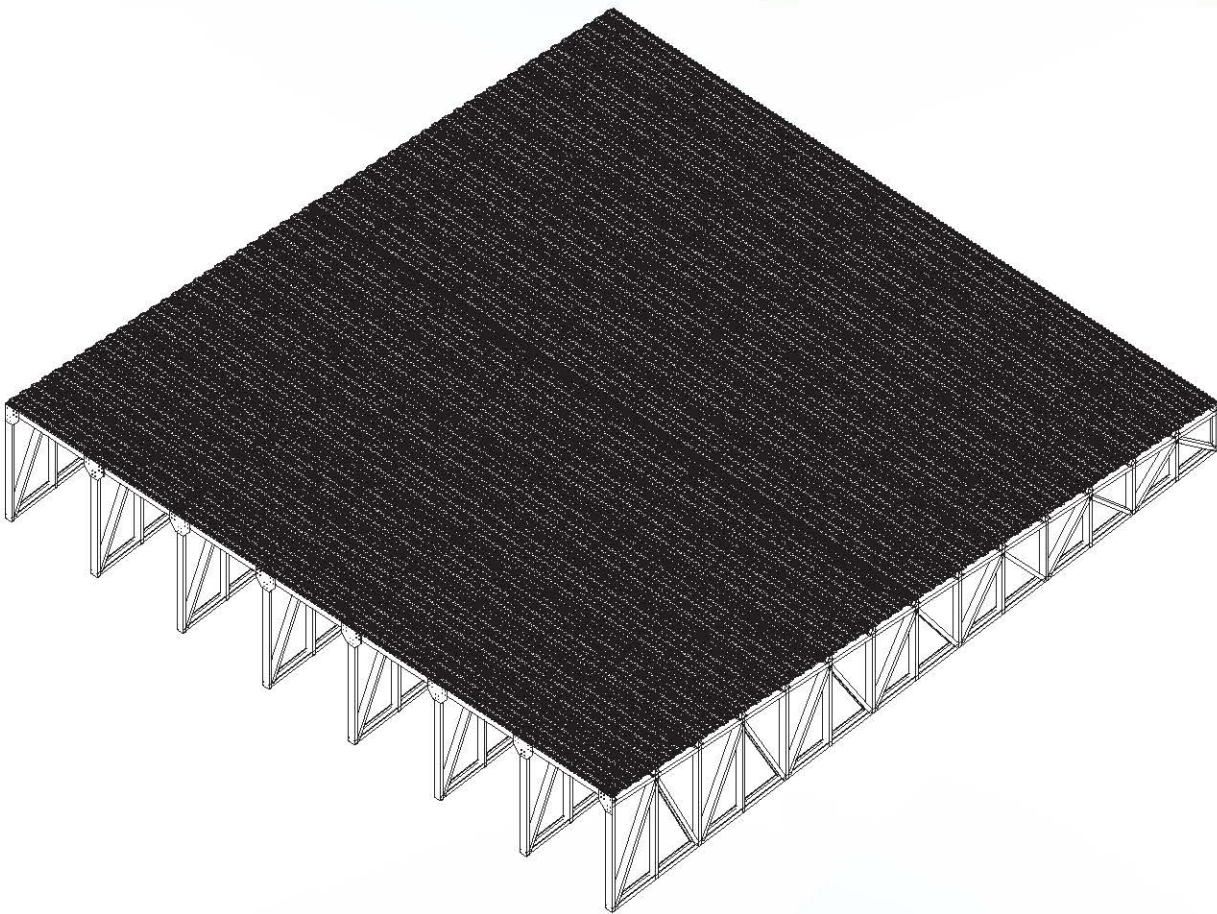
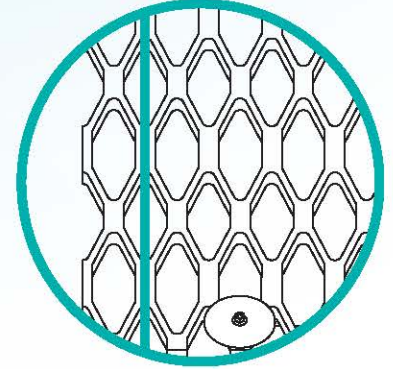
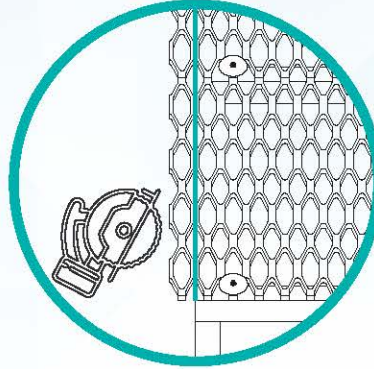
35mm **Tek Screw**
Hold Down **Disc**



Assembly description

12. Place the remaining **Mesh Sheets** down, fixing in diagonal locations. If the platform is greater than 6m down roof, the mesh will be supplied in two sheets. Join the sheets together using the **Mesh Joiner** and a rubber mallet.

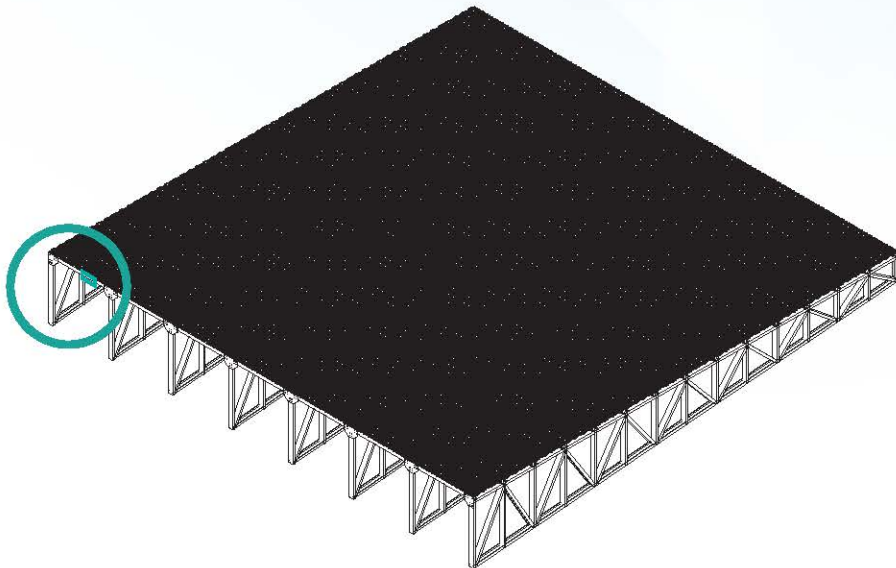
13



Assembly description

13. If the last sheet of Mesh is overhanging the end Truss Frame by more than 25mm, trim the overhanging mesh with a circular saw. Then, fix down all mesh sheets using 35mm Tek and Hold Down Disc.

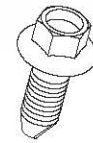
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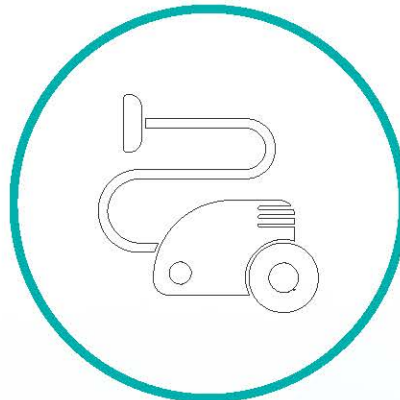
Parts required



Certification Plate



16mm Tek Screws



Assembly description

14. Fix Certification Plate using 16mm Tek Screws.

Important: With an **18V Wet/Dry Vacuum**, remove all swarf from the platform's frame and bottom chord, then clean the whole roof well.



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