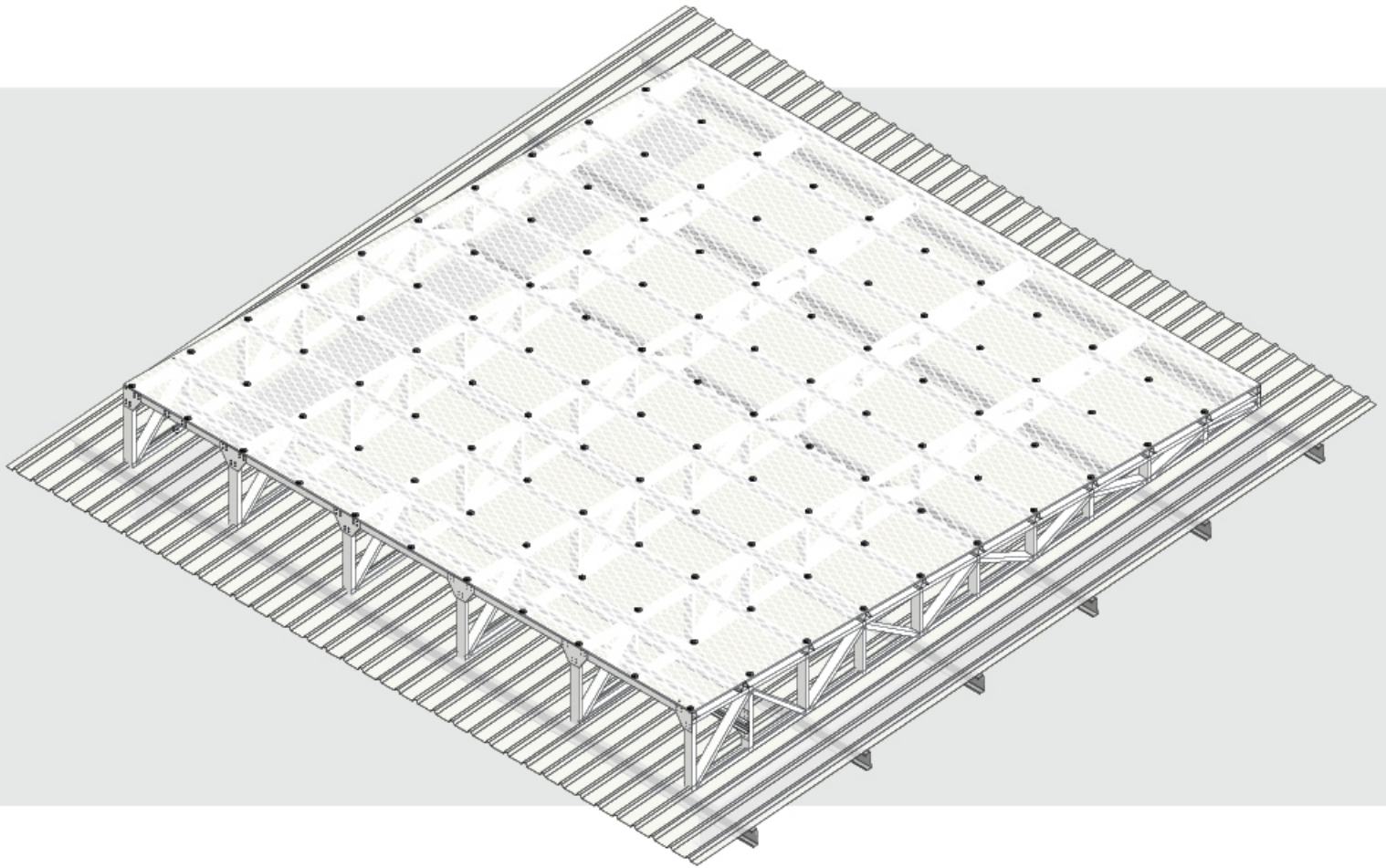


Easy Mech MR

Assembly Instruction Manual



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Making it *Easy*



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Easy Mech MR Assembly Manual

Document Version: 24-09-26-v1

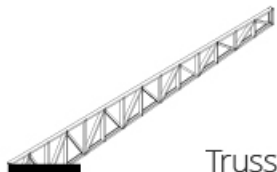
Contents

- > Platform Layout
- > Platform with Screens
- > Installing Mesh

Tools

Gloves	PH2 Phillips Head Bits
Drill	High-Speed Drill Bit Kit
Impact Driver	Nibbler Drill Attachment
Ratchet Wrench	Circular Saw
150mm-200mm ½" Extension bar	Mallet
18mm Deep Socket	18V Wet/Dry Vac Skin
13mm Socket	
Tape Measure	
Black Marker	
Spirit Level	
Roofing Silicone	
Clean Rag	
Isopropyl Alcohol Cleaner	

Assembly Parts



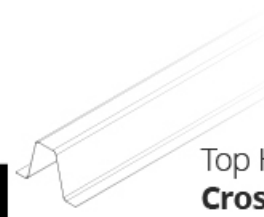
A

Truss
Frame



B

RHS
Cross Support



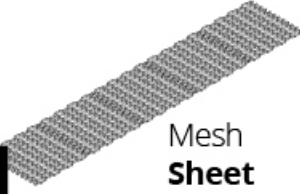
C

Top Hat
Cross Support



D

Cross Support
Splice



E

Mesh
Sheet



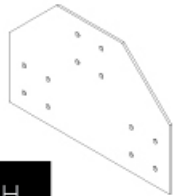
F

Mesh
Joiner



G

Full
Star Brace



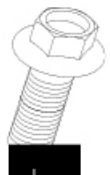
H

Half
Star Brace



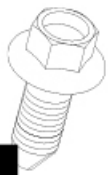
I

Quarter
Star Brace



J

35mm
Needle Point Screws



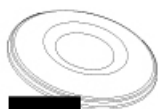
K

35mm
Tek Screws



L

20mm
Tek Screws



M

35mm Tek Screw
+ Hold Down Disc



N

16mm
Tek Screws



O

Certification
Sign



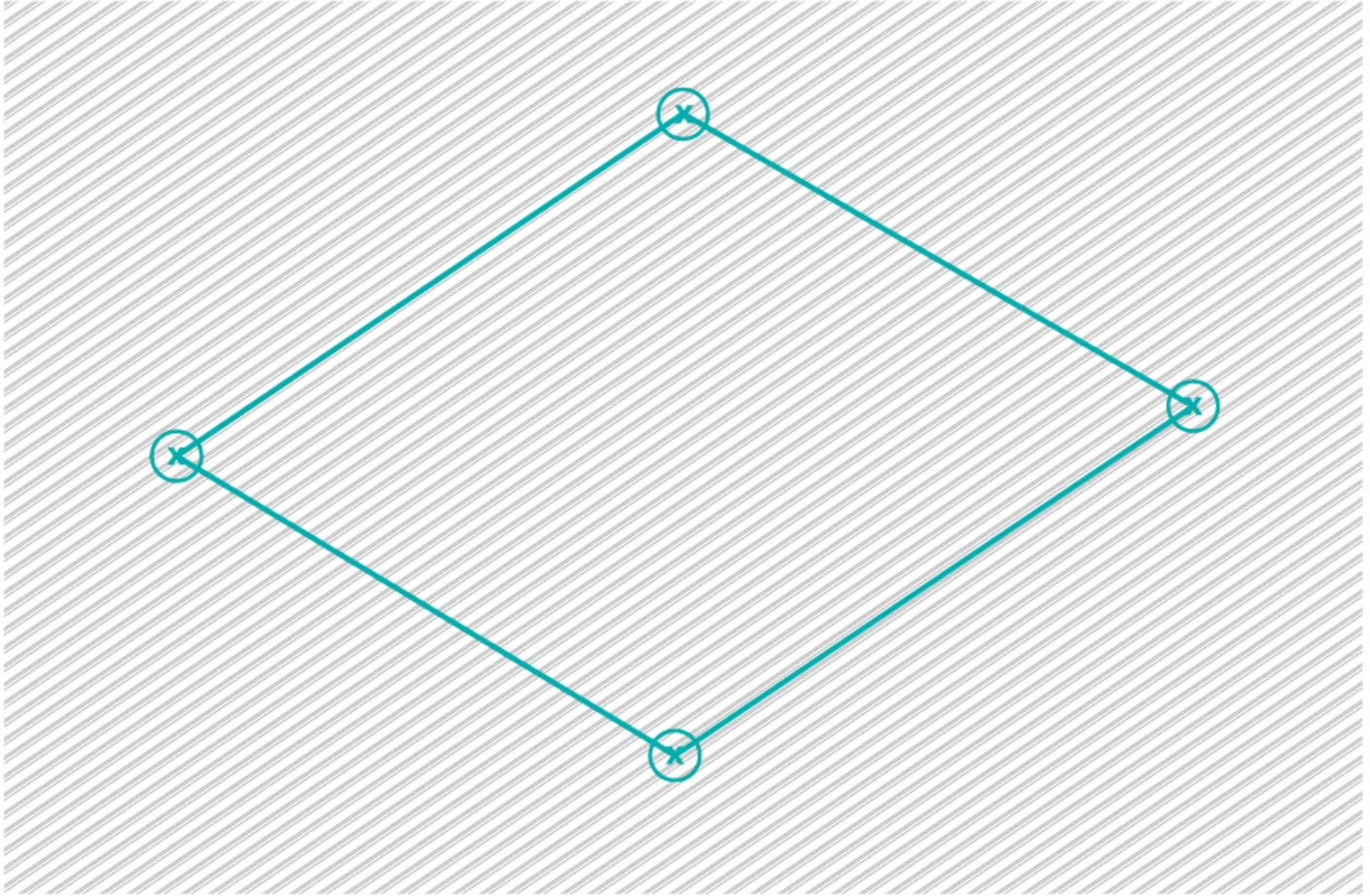
M

35mm Tek Screw
+ Hold Down Disc

Platform Layout

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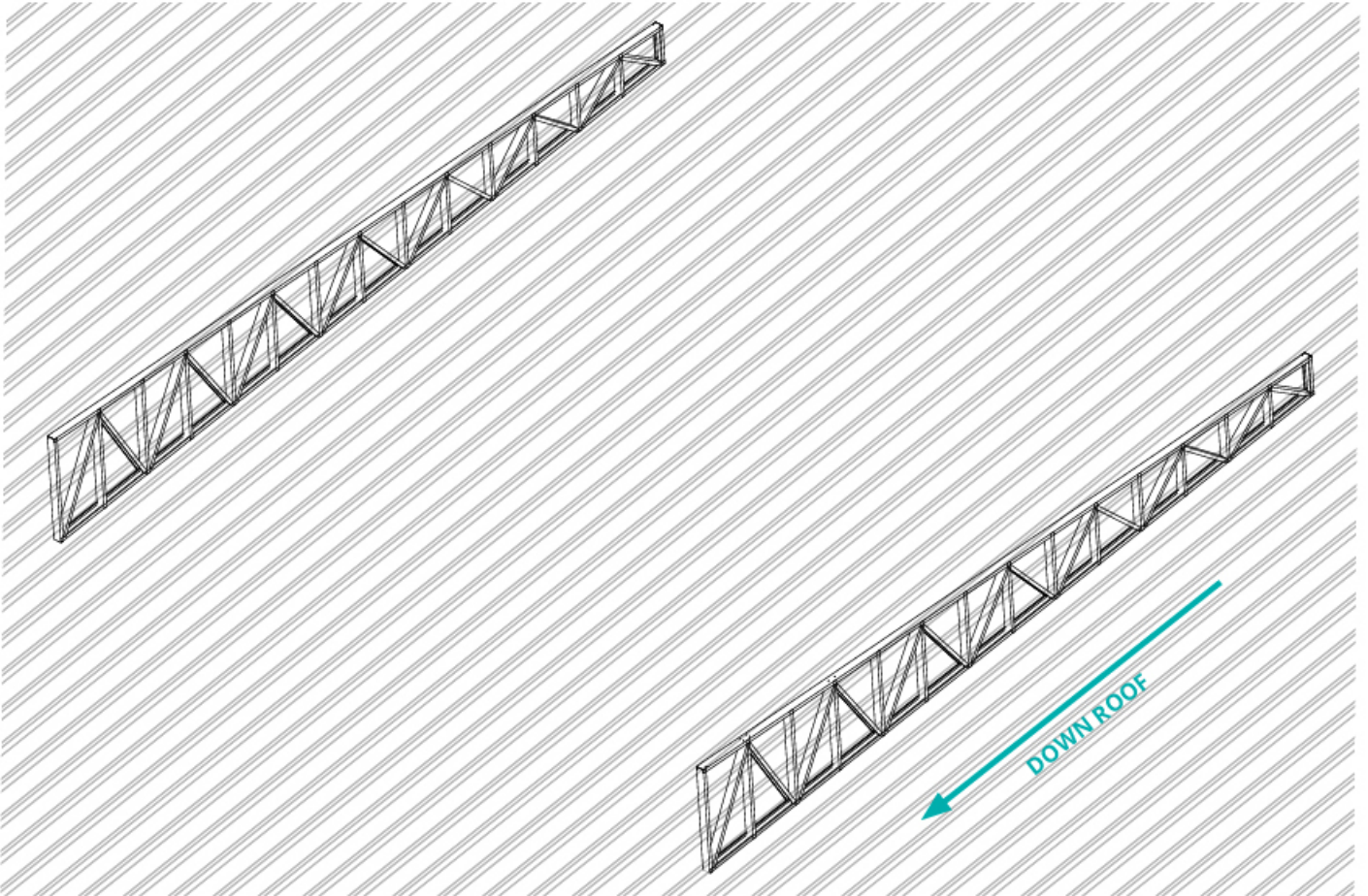
1



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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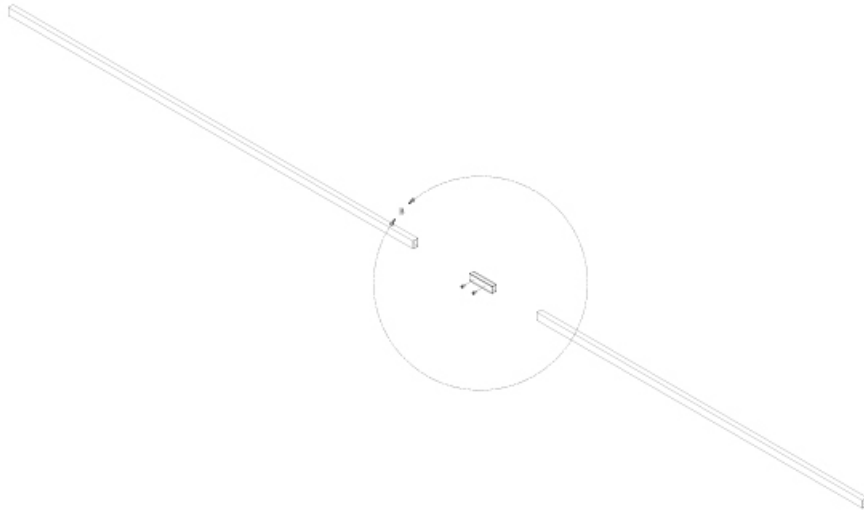
2



2. Place the **Truss Frames (A)** 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.

Easy Mech MR

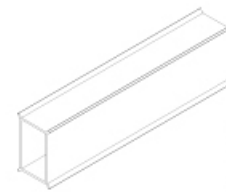
3



Parts required



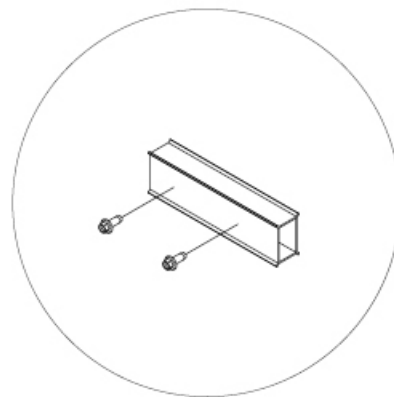
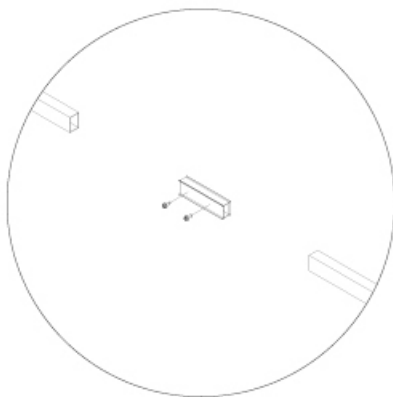
RHS Cross Support



Cross Support Splice



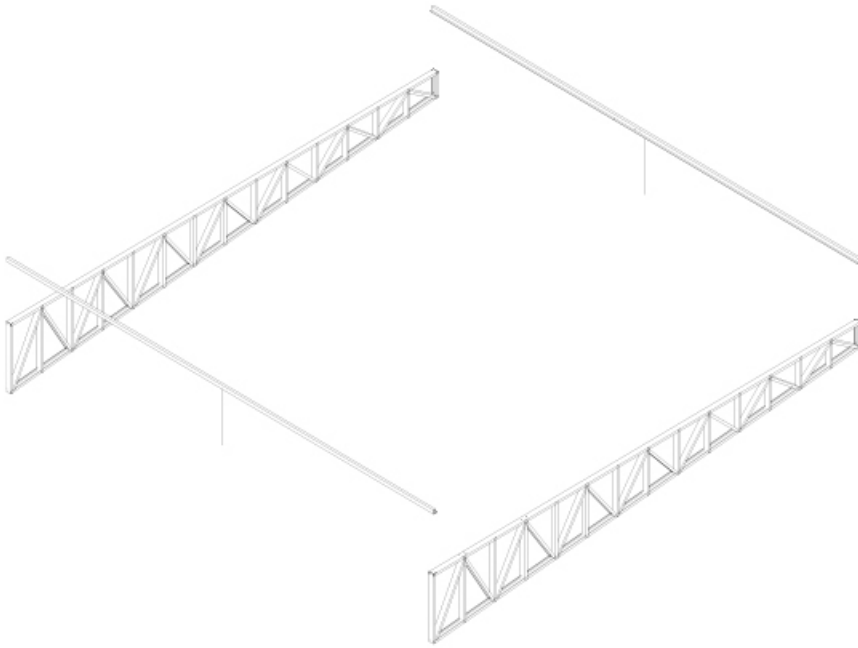
20mm Tek Screws



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

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4



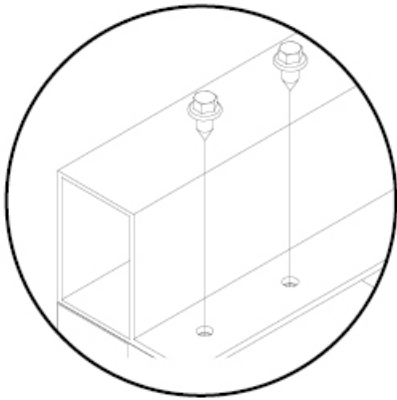
Parts required



RHS Cross Support



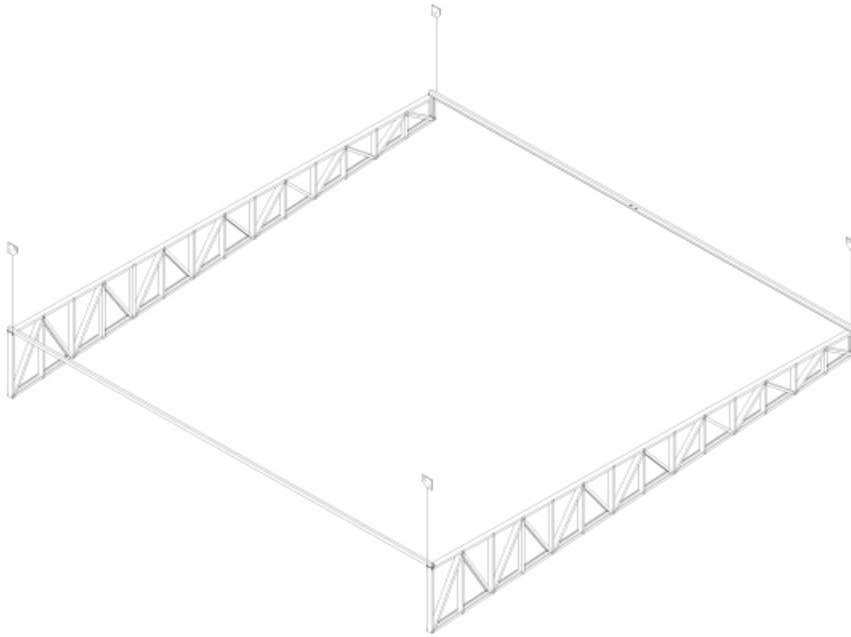
20mm Tek Screws



4. Place the **RHS Cross Supports (B)** 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 (L)**.

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5



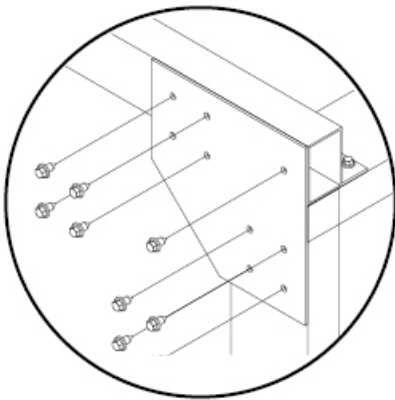
Parts required



Quarter **Star Brace**



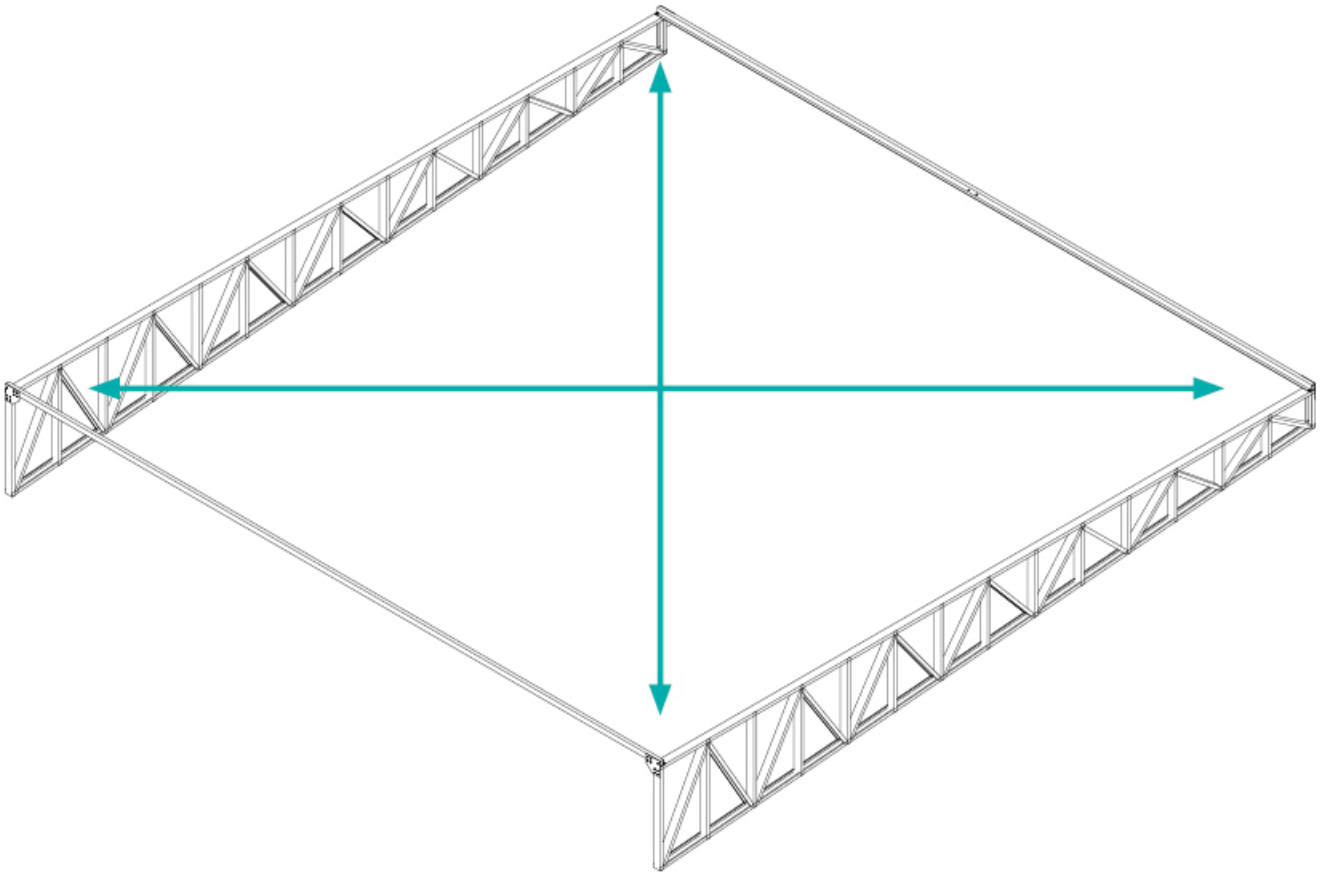
20mm **Tek Screws**



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

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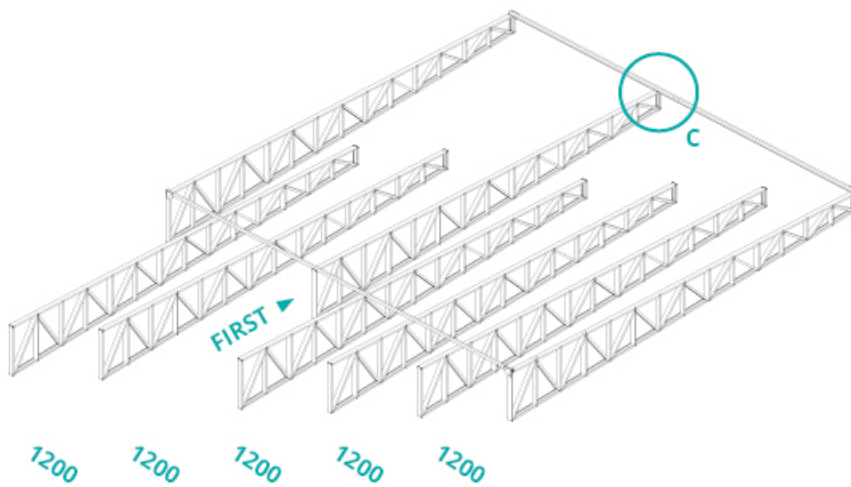
6



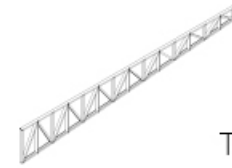
6. Make sure that your Truss Frames are parallel with the roof sheeting. Check and adjust the outer frame for square by measuring between the diagonal points and ensuring the two distances are the same.

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7



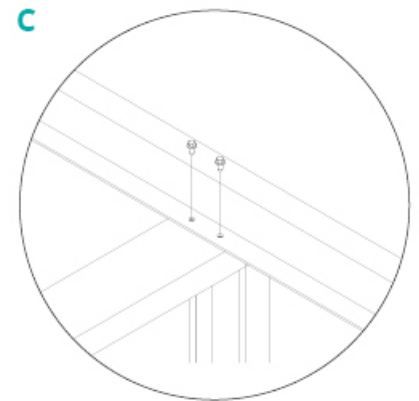
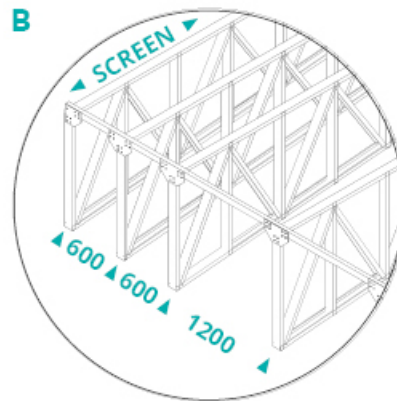
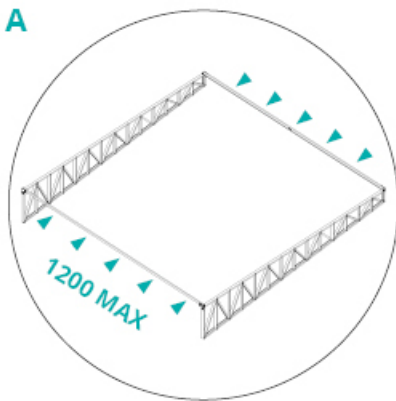
Parts required



Truss **Frame**



20mm **Tek Screws**



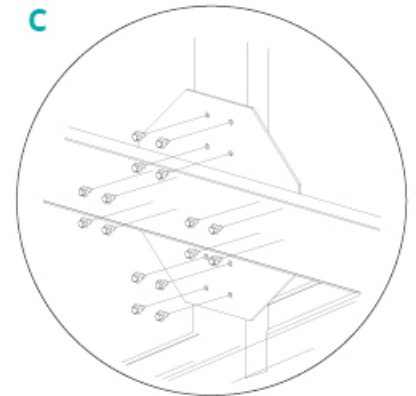
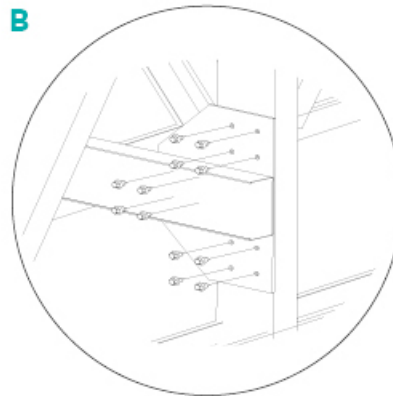
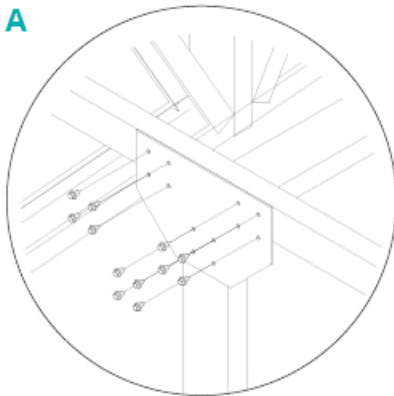
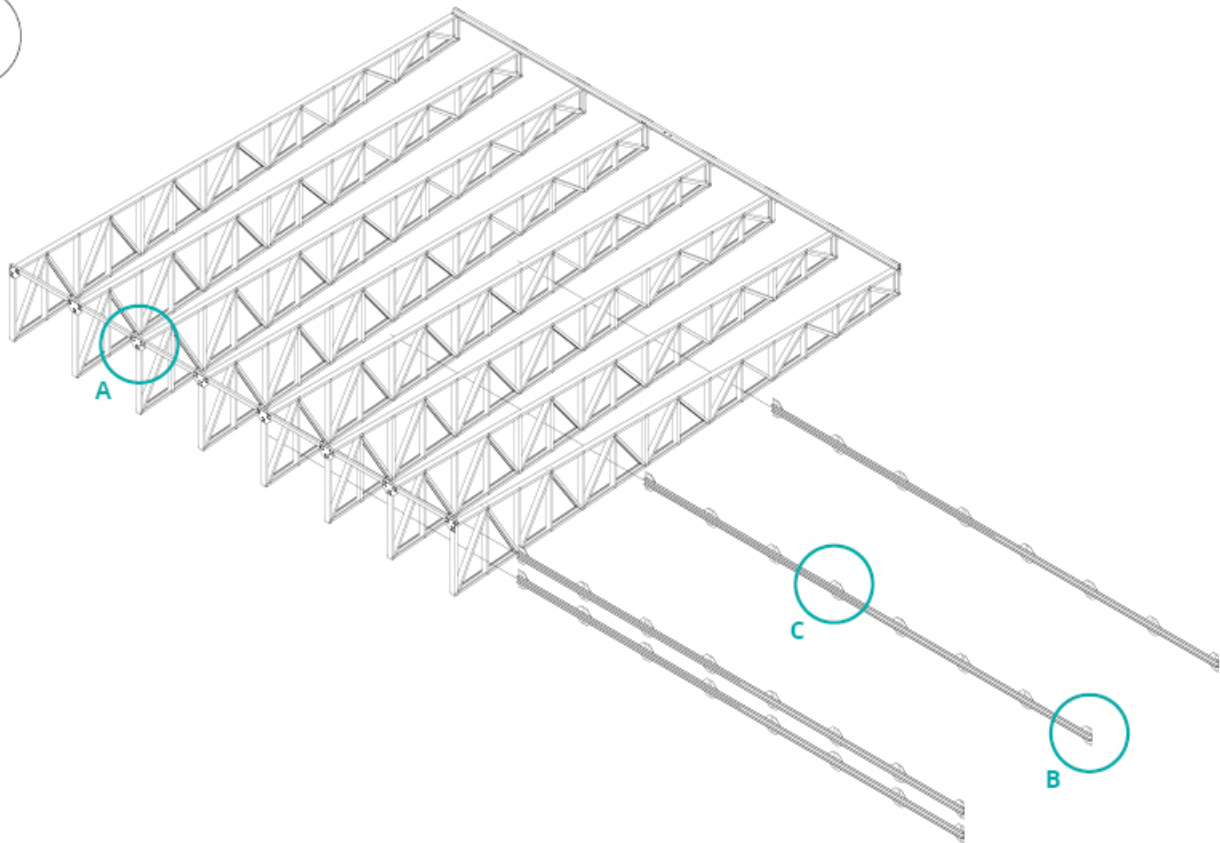
7/A. Mark the location of the internal **Truss Frames (A)** on the RHS Cross Supports, making sure no gap exceeds 1200mm. Slide in and fix each truss through the flange of the RHS Cross Supports using **20mm Tek Screws (L)**. Ensure each truss is parallel and plumb.

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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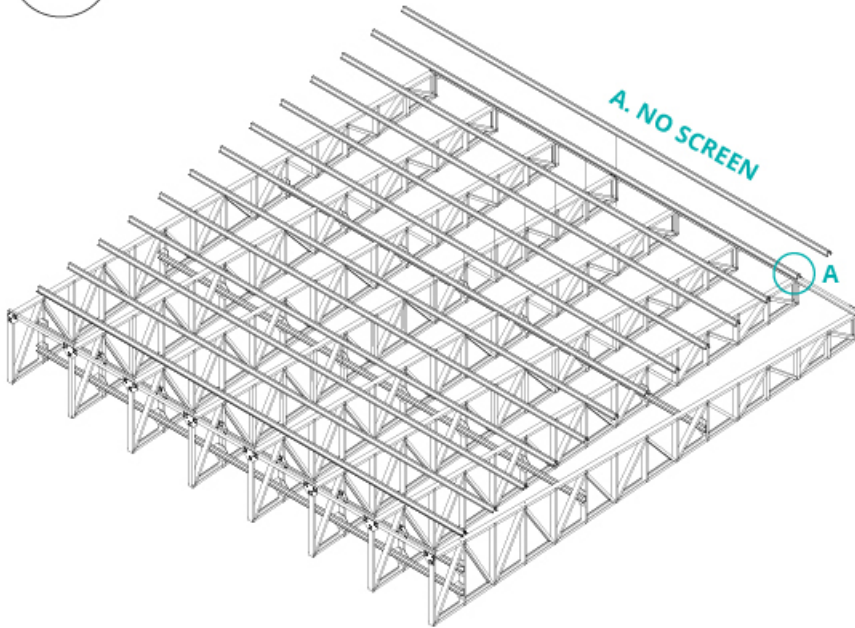
8



8. Fix the **Half Star Braces (H)** to the front and back RHS Cross Supports and internal Truss Frames using **20mm Tek Screws (L)**. If the first vertical in from the high side of the truss is greater than 500mm, **Full Star Braces (G)** and a **Horizontal Truss Brace (Q)** 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.

Easy Mech MR - For Guardrail or No Screens

9a



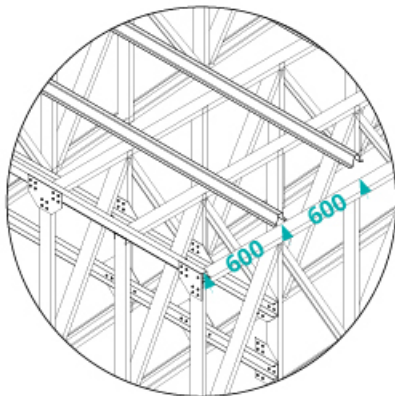
Parts required



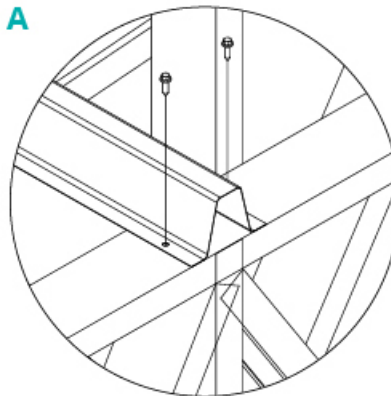
Top Hat
Cross Support



20mm **Tek Screw**



A



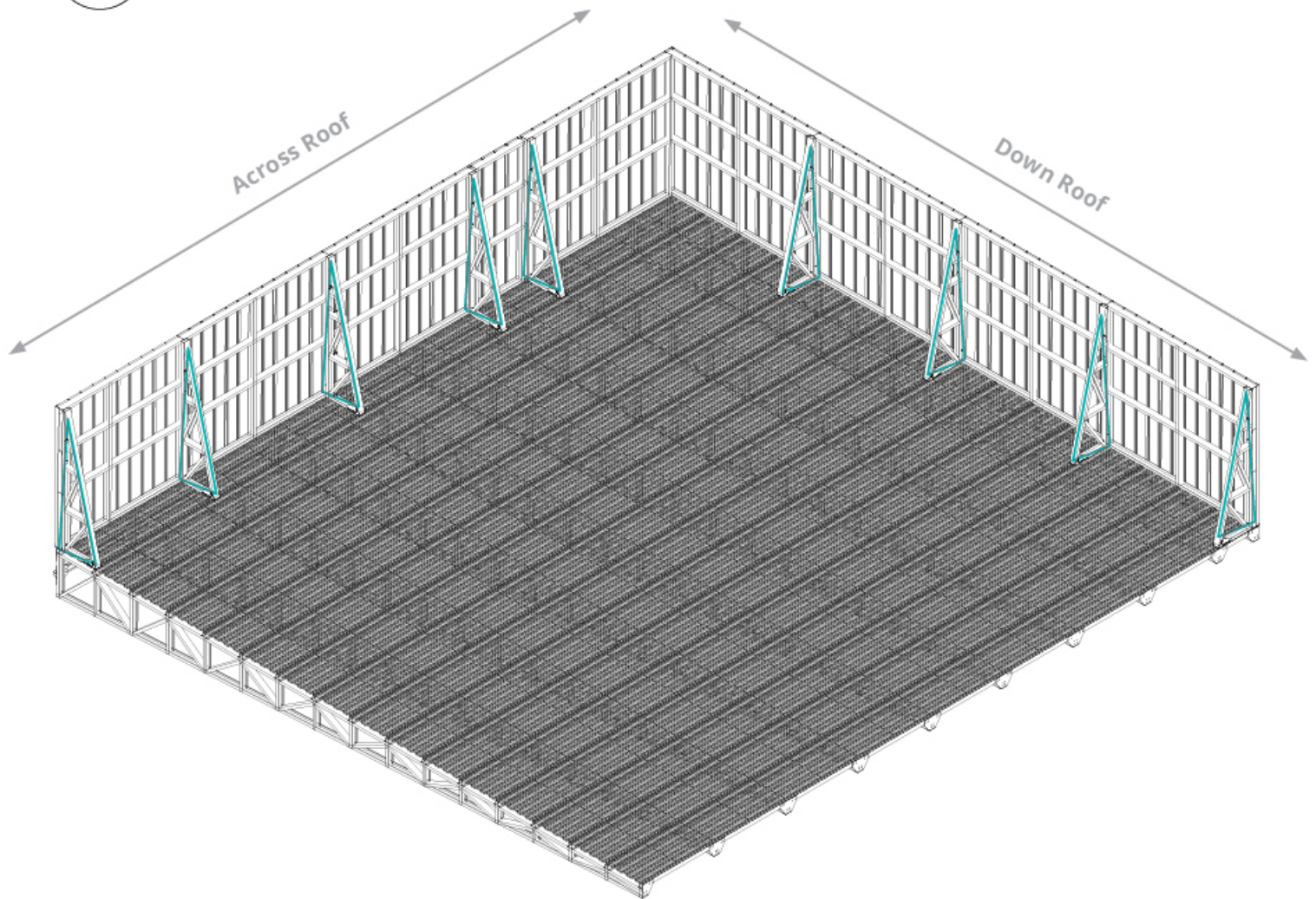
9a. Place the **Top Hat Cross Supports (C)** at 600mm centres and fix in place using **20mm Tek Screws (L)**.

Important If screens are present refer to steps **9b** and **9c**.

Platform with Screens

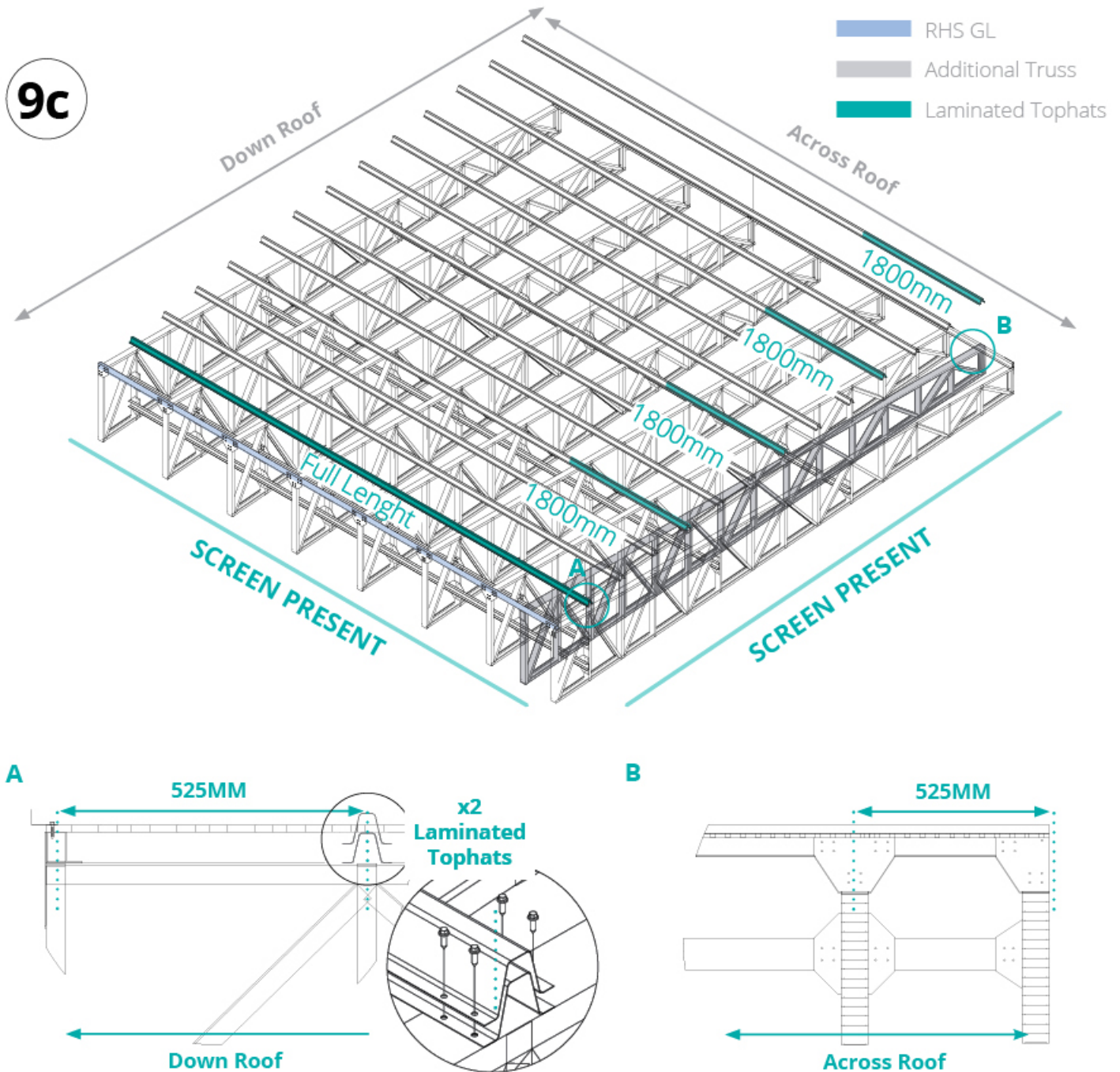
Easy Mech MR - For Screens

9b



9b. Establish from your structural drawing which sides screens will be fitted to. If there are any access gaps, **mark the location** of the screen ends and the **Screen Bracing** locations.

Easy Mech MR - For Screens

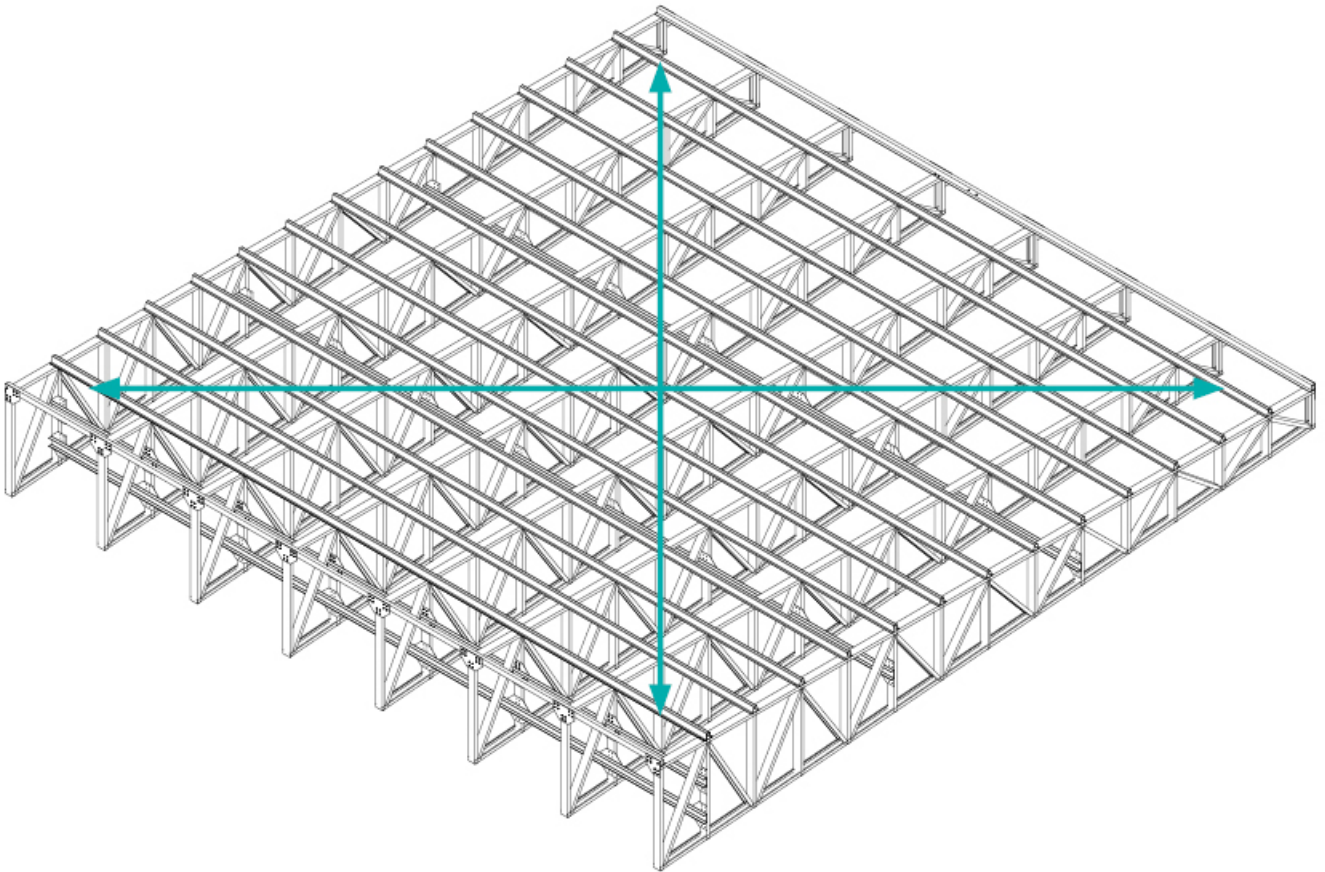


9c. If screens are present at either front or back, Ensure there is **x2 Laminated Tophats (C)** 525mm back from the front face of platform. Use four **20mm Tek Screws (L)** per truss/tophat intersection. At the **sides** make sure there is a **additional Truss (A)** at 525mm from the outer edge of the platform to the centre of the truss and a **1800mm Laminated Tophat** at each **Screen Brace location**.

Mesh Installation

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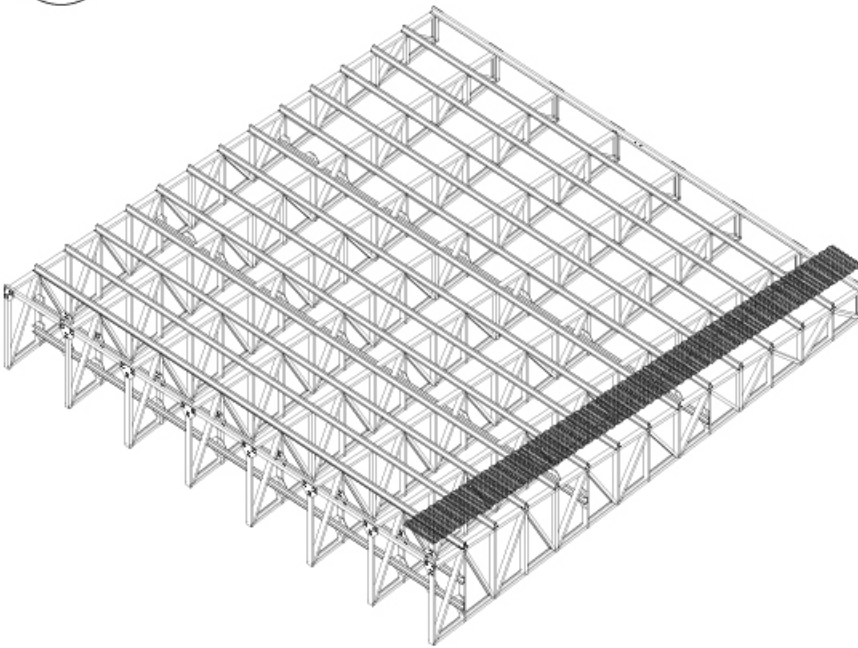
10



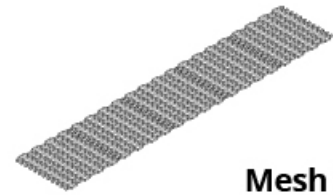
10. Check the complete frame and ensure screws are inserted and tightened. Check again for square using the diagonal measurements and check that the frame is straight along the length by using a string line.

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11



Parts required



Mesh Sheet

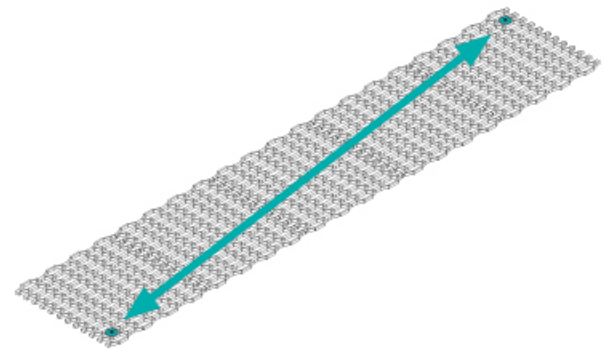
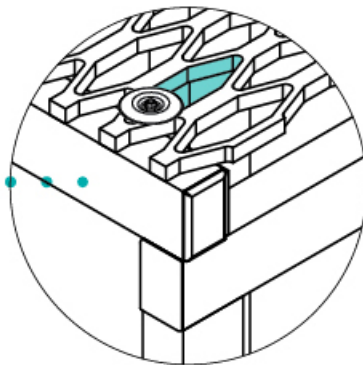
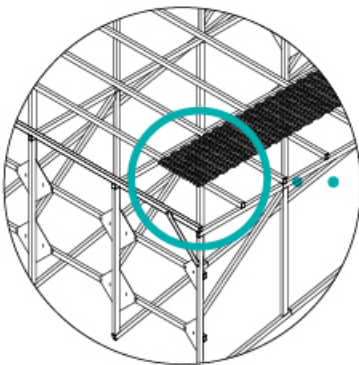


Hold Down **Disc**



To RHS: 35mm Tek
Screws

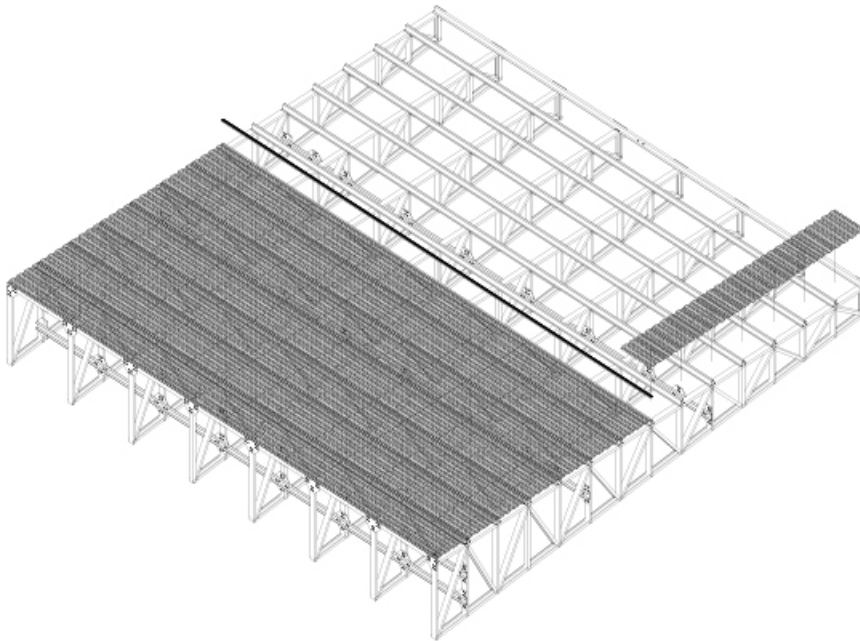
To Top Hats: 35mm
Needle Point Screws



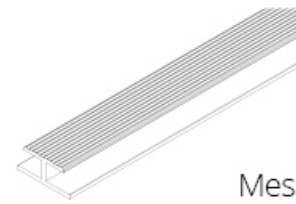
11. Place the first **Mesh Sheet (E)** across the Cross Supports, keeping the side flush with the end Truss Frame and flush with the end RHS Cross Support. Fix the Mesh Sheet to the Cross Supports on the diagonal corners only, using a **35mm Tek Screw and Hold Down Disc (M)** in the second full diamond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

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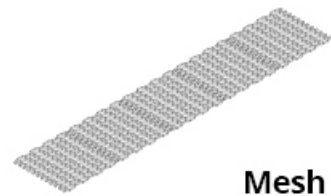
12



Parts required



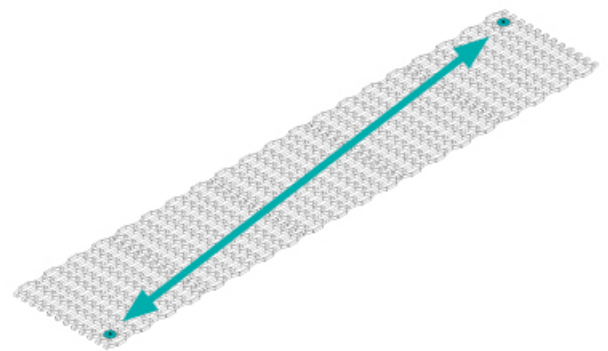
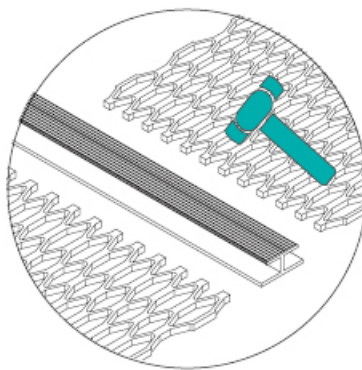
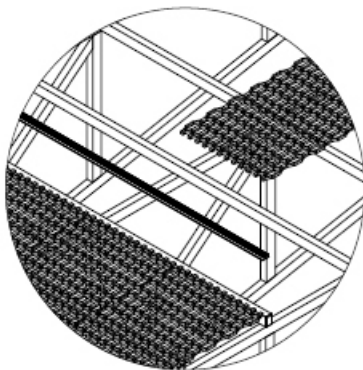
Mesh **Joiner**



Mesh **Sheet**



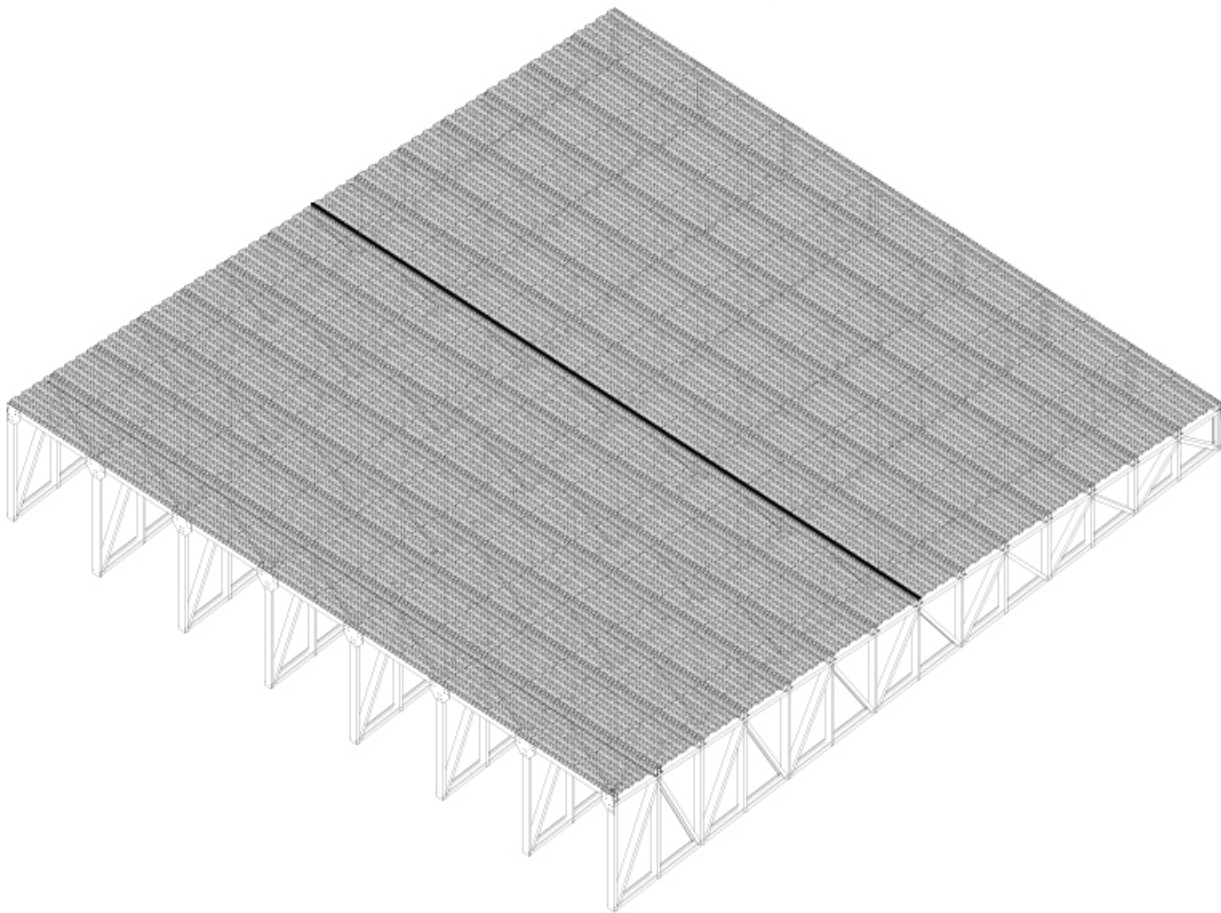
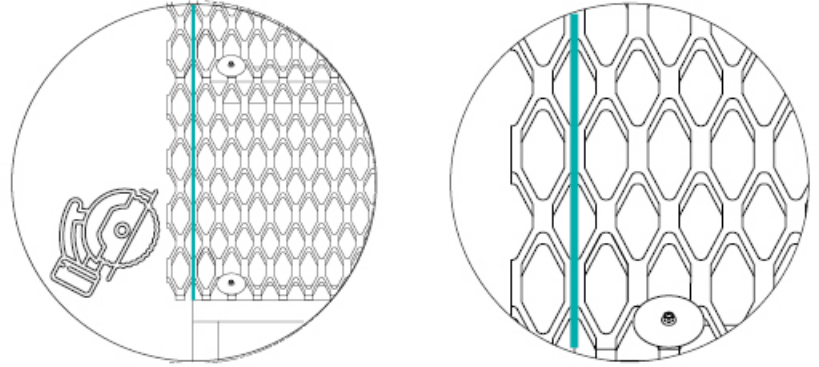
35mm **Tek Screw**
Hold Down **Disc**



12. Place the remaining **Mesh Sheets (E)** 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 (F)** and a rubber mallet.

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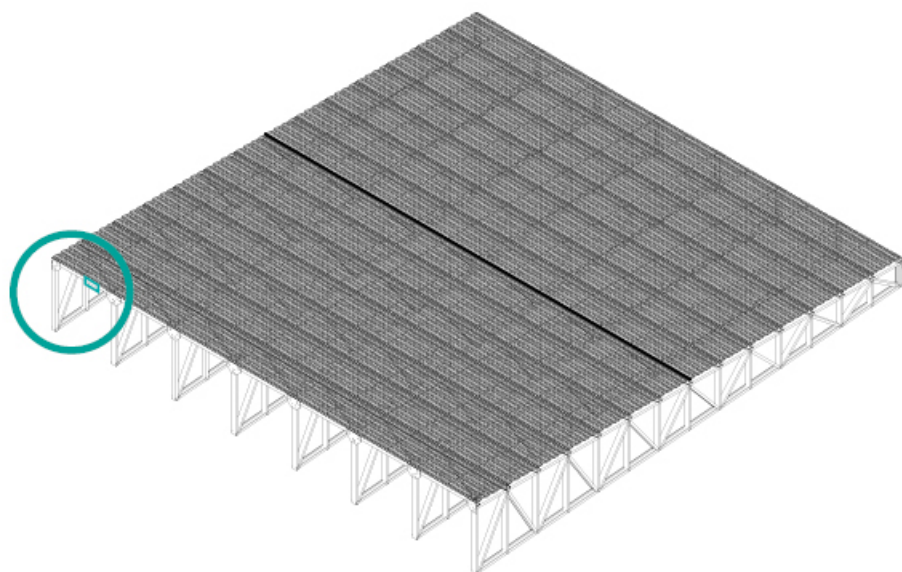
13



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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14



Parts required



Certification Plate



16mm Tek Screws



14. Fix Certification Plate (O) using 16mm Tek Screws (N).

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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