





Select a a scene template. For this project I selected a customized IronCAD Blue\_Datum+Profile template.

Green	IronCAD Blue Reflection	IranCAD Blue	<u>₽</u> ∎ ## ₩
IronCAD Blue_Dotum+Profile	IronCAD Blue_Datum	Light Grey	
Selected Template : <no selection=""></no>			
«No Selection»	os Default Template		
«No Selection»	os Default Template		

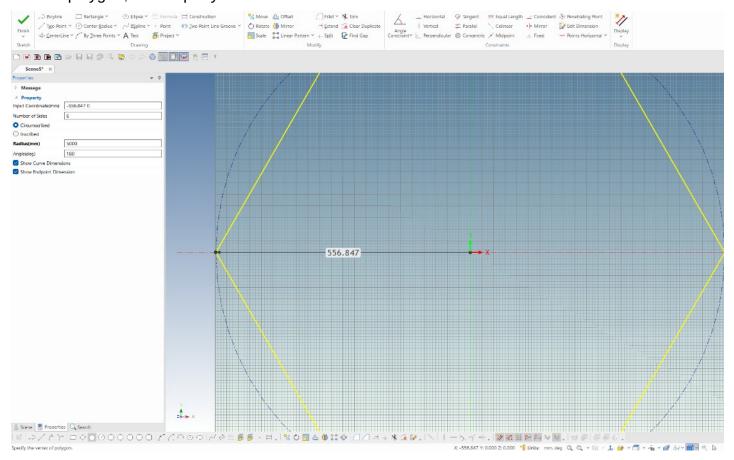
Start by selecting the 2D Profile from the scene browser

ch Scene5			×
		nate System	
Cameras		Edit	
Lights		Create	)
	9	Fixed in Parent	
		Send to Object Viewer	
	D	Сору	Ctrl+C
	×	Cut	Shift+Delete
	6	Paste	Ctrl+V
	1	Delete	Delete





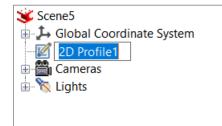
#### Draw a polygon, set Property values



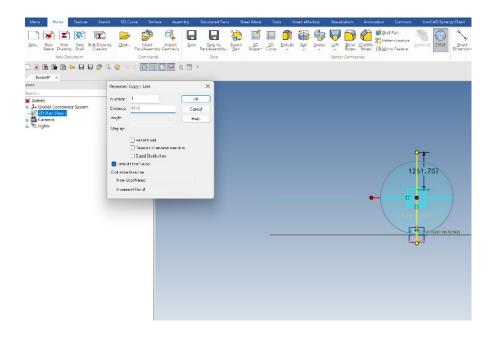




Rename 2D Profile1 > 2D Plan View



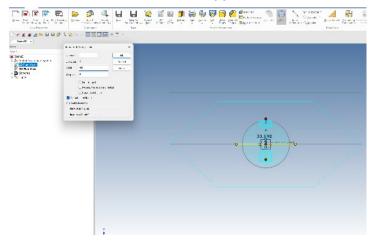
Select the Front View > F10 > Link 2700



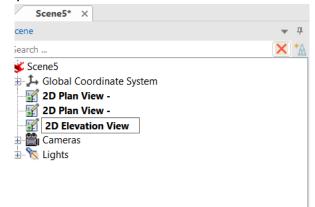




With the Triball selected, copy 2D Plan > rotate 90°



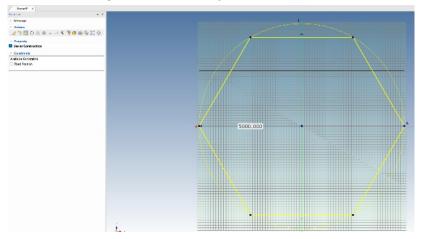
Rename to Elevation and make sure it is no link to the other profiles



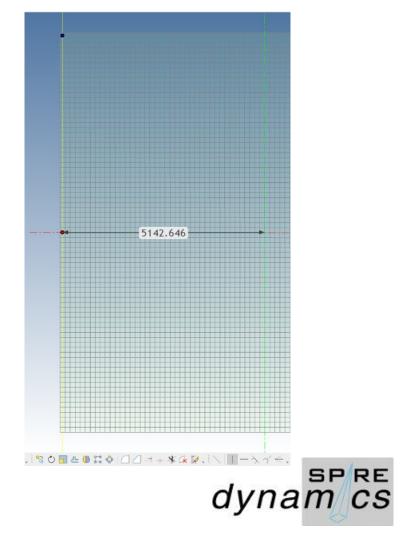




Select existing sketch on the profile and delete



#### Create a Vertical Construction Line and set to 5000 mm

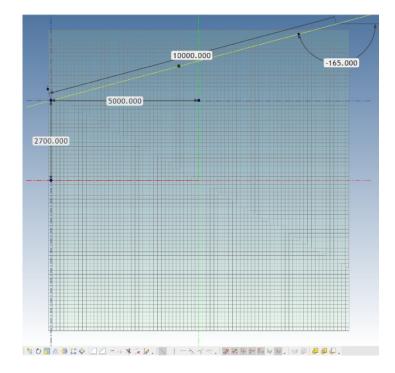




Create a Horizontal Construction Line and set to 2700.

		•	
	427	4.007	
	Edit Position	×	
	Horizontal (L): 0	ОК	
	Horizontal (L): 0   Vertical (W): 2700	OK Cancel	
•	Vertical (W): 2700	Cancel	
•	Vertical (W): 2700	Cancel	
•	Vertical (W): 2700	Cancel	

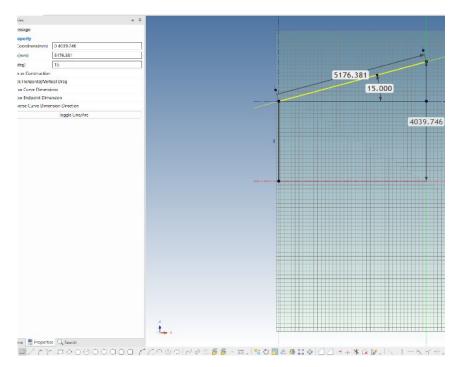
#### Create a Diagonal Construction Line and set to $15^\circ$



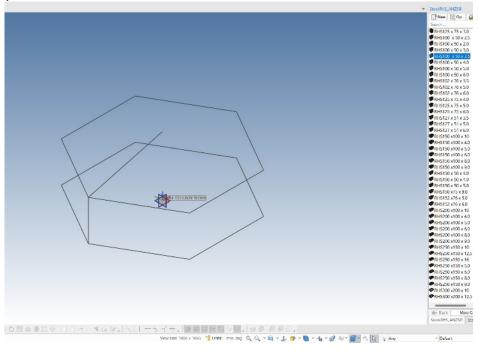




#### Draw Polyline over Construction Guide



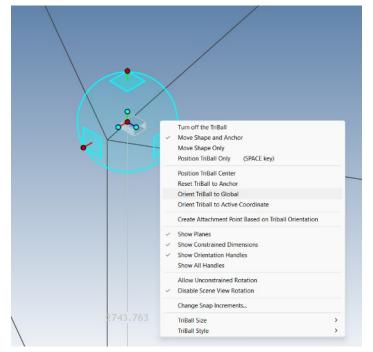
Select RHS 00 x 50 x 3.5 StockRHS\_ANZS catalog and drag to place.



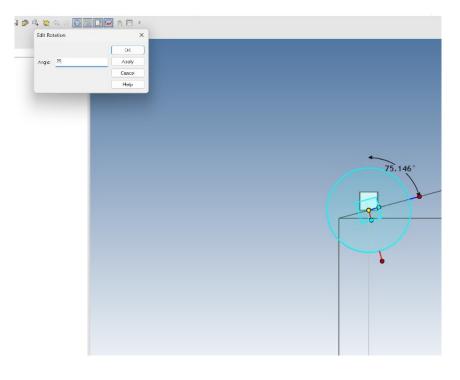




Select RHS 00 x 50 x 3.5 StockRHS\_ANZS catalog and drag to place. Orient Triball to Global and position.



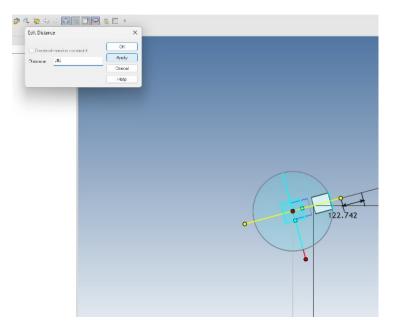
Position Rafter along the diagonal line



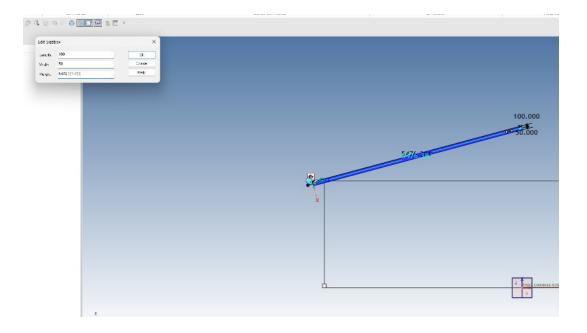




Set Overhang



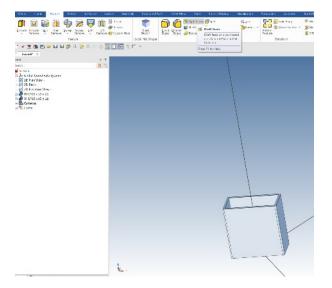
#### Set Rafter length







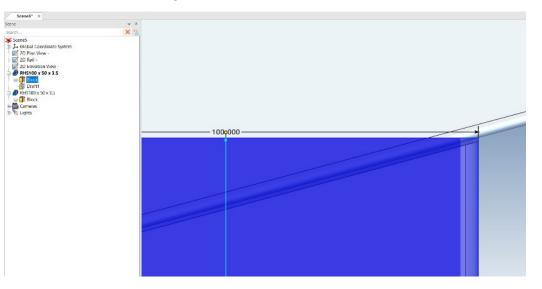
Set Draft Face.



#### Set RHS Post/Joist height

Scene5" × Scene

Search ...



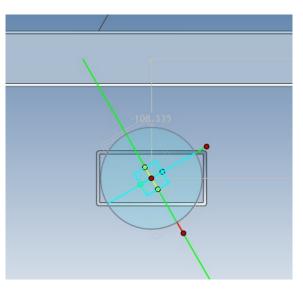




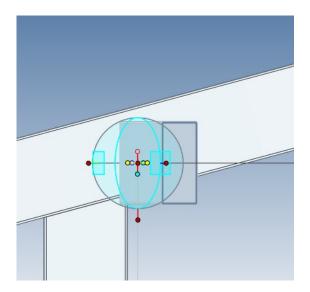
#### Drag and drop RHS as a Purlin



#### Align to guide line/sketch



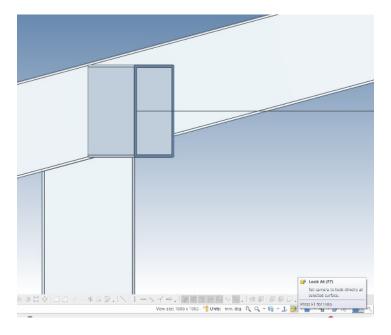
#### Align to horizontal guide sketch



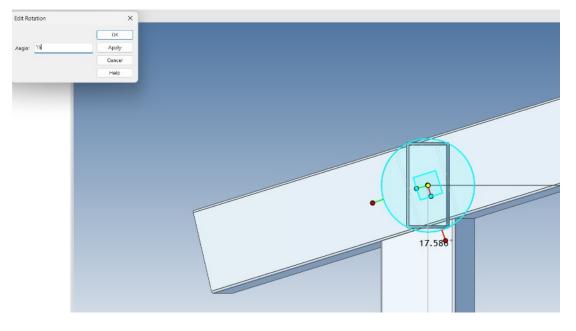




Set Look At (F6) rafter face



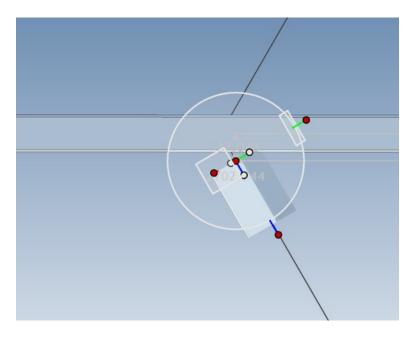
Align to rafter, I used 16° as it closely match better than 15°  $\,$ 

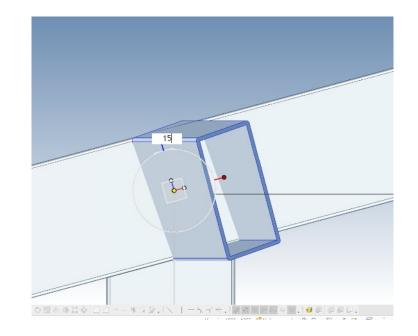






Set space bar Triball to align with rafter face and angle.



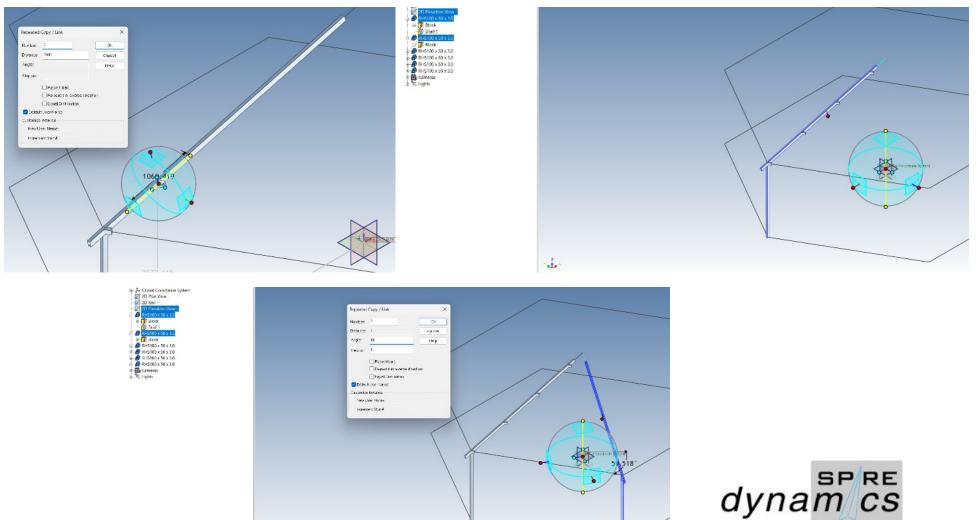






de.

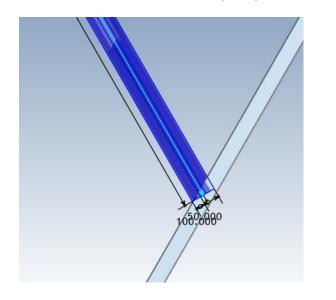
Copy Purlin along the rafter



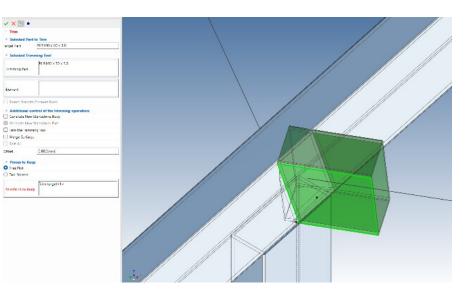
Copy and rotate 60° 2D Elevation, Joiste and Rafter



Extend each Purlin to the copied joist and rafter



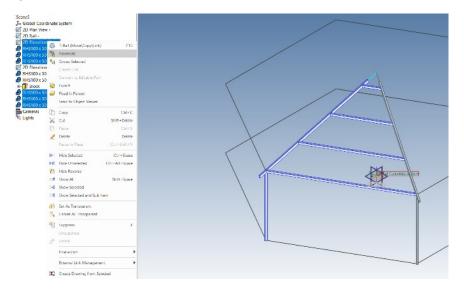
Trim each purlin to rafter



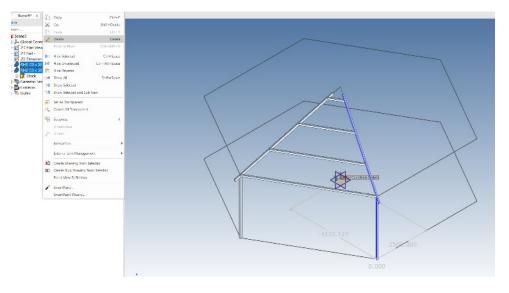




Assemble and rename. Please note that the order starts from the 2D Elevation Profile as it determine the position axis to the datum



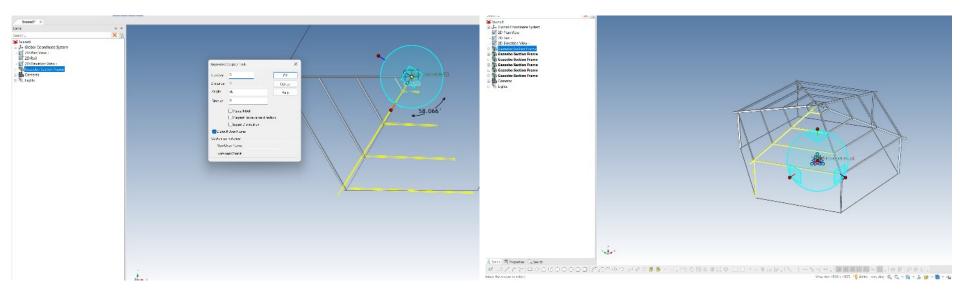
#### Delete the previous copied joist and rafter







Select the Gazebo Section Frame>Triball> Set Link

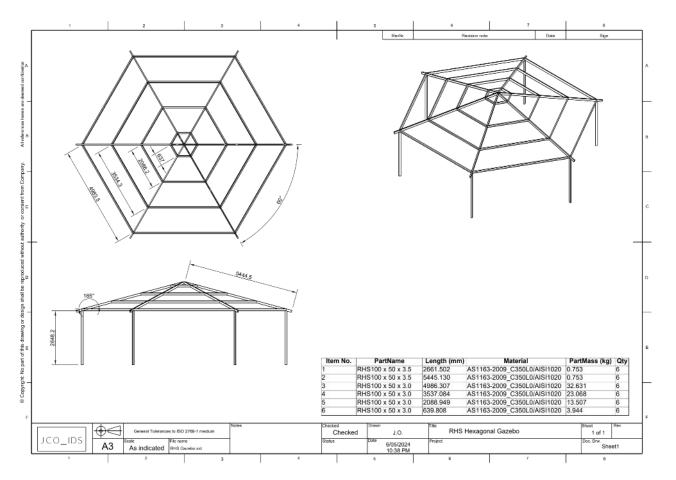


#### Finished Gazebo Structure





Make an assembly drawing







Customize and set column headers

