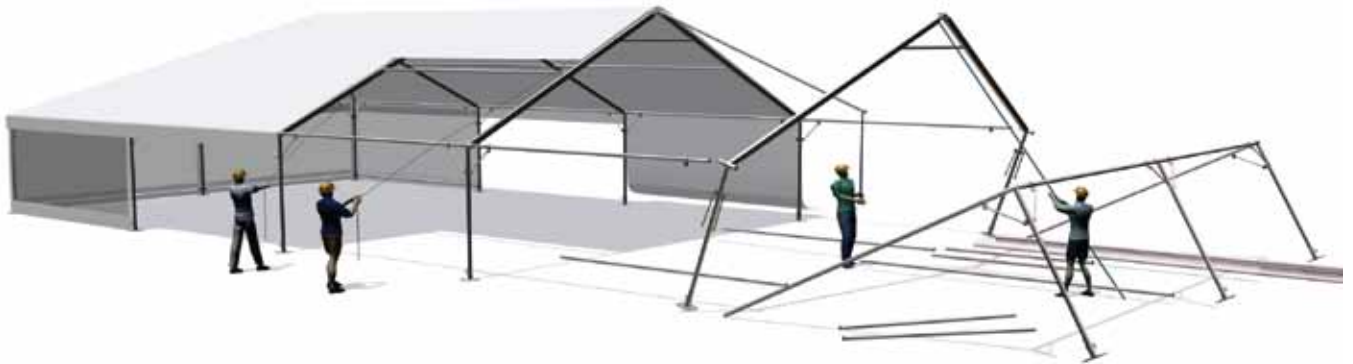


# 9m CLIPFRAME HIP END

## Assembly Instructions

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SIMPLICITY · PERFORMANCE · STYLE

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#### New Zealand

52 Newton Street,  
PO Box 4370, Mount Maunganui  
New Zealand

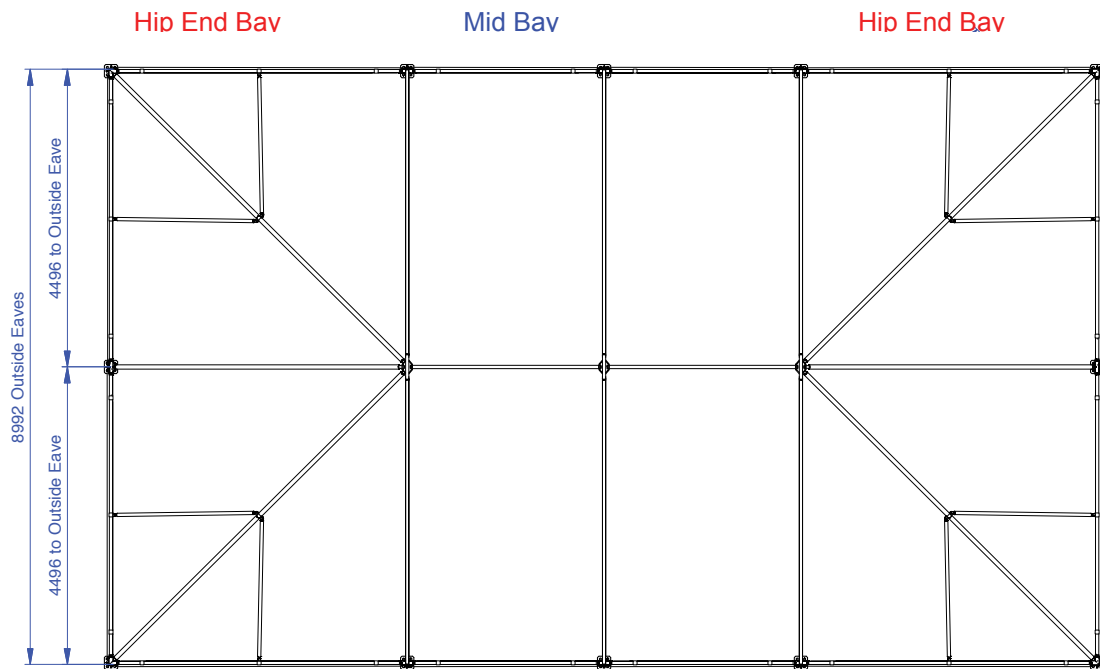
tel +64 7 579 0190  
fax +64 7 579 0194  
[www.baytex.co.nz](http://www.baytex.co.nz)

#### Australia

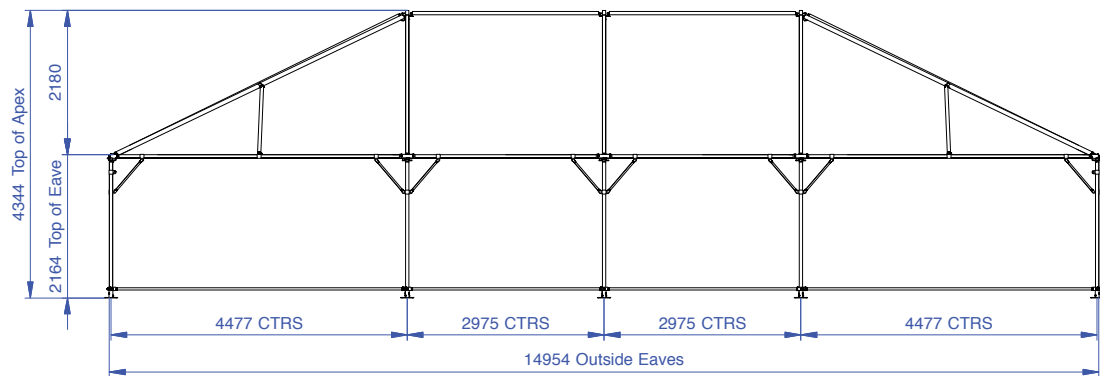
tel 02 4340 4144  
mob 0400 312 314

# 9m CLIPFRAME HIP END

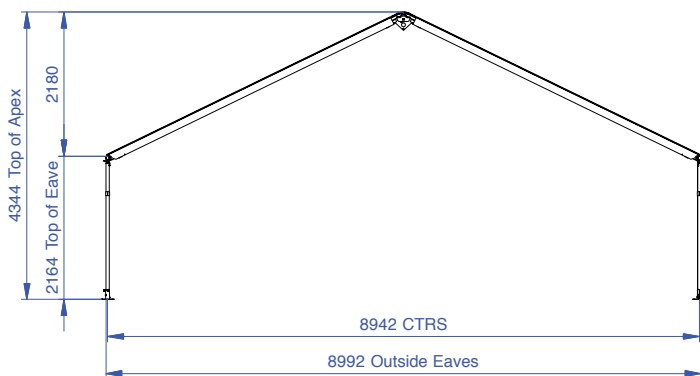
## Plans & Elevations



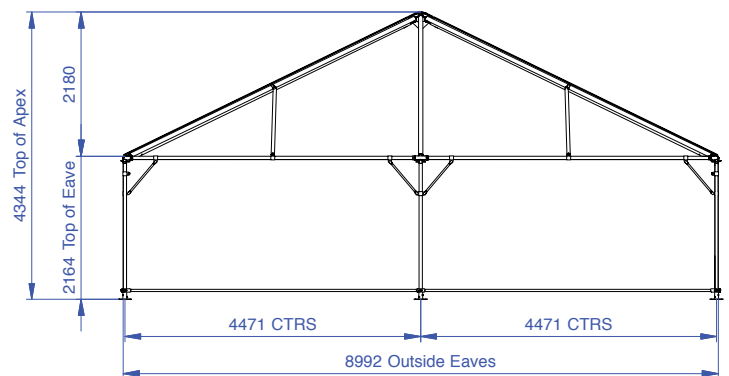
134/1 Plan View  
Scale 1:80



134/2 Side View  
Scale 1:80



134/3 Mid Portal  
Scale 1:80



134/4 End View  
Scale 1:80

# 9m CLIPFRAME HIP END

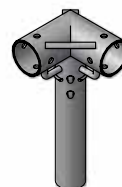
## Parts Identification



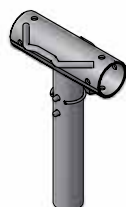
Apex Connector Mid - Channel Tube 26°  
-To use with Channel Tube Rafter



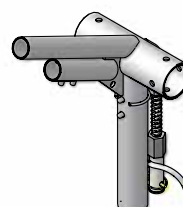
Corner Connector



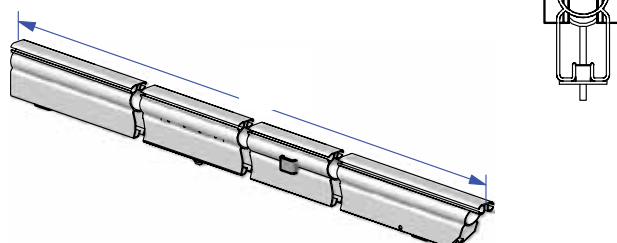
Tee Connector



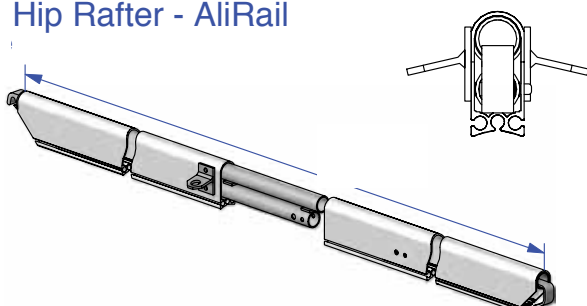
Shoulder Connector 26°



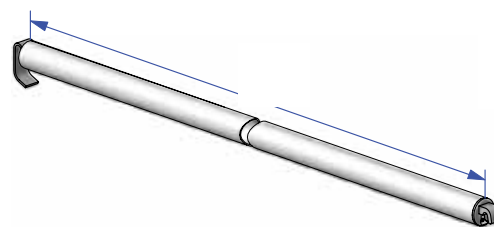
Side Rafter - Channel Tube



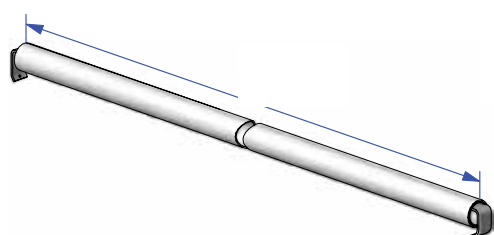
Hip Rafter - AliRail



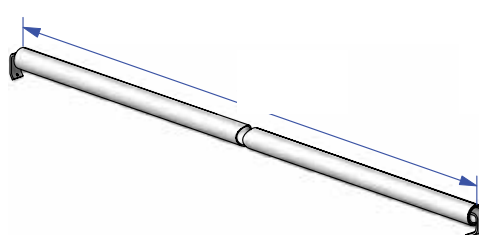
End Rafter



Ridge Purlin



Intermediate Purlin

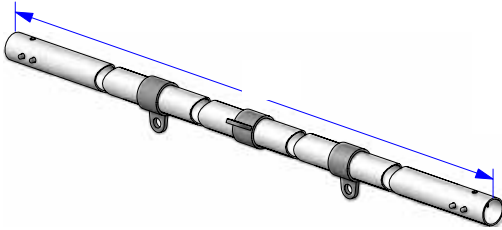


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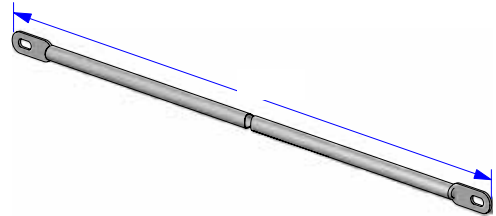
## Parts Identification



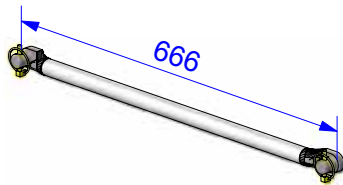
Eave Purlin (3 way)  
3 way barce collars



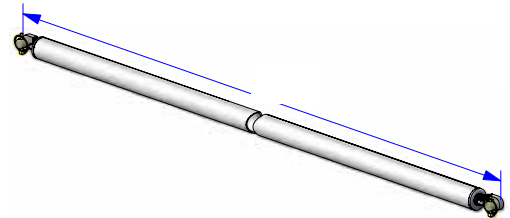
Base Rail



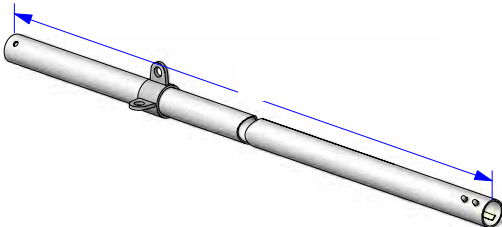
Brace Bar



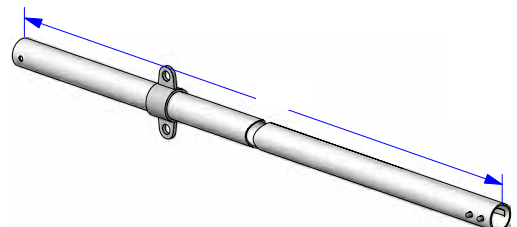
Apex Brace / Hip Brace



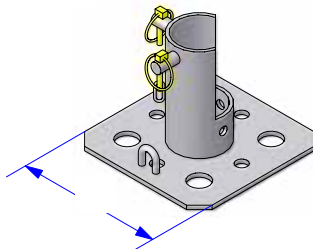
90° Leg  
- 90° Brace Collar



180° Leg  
- 180° Brace Collar



Base Foot

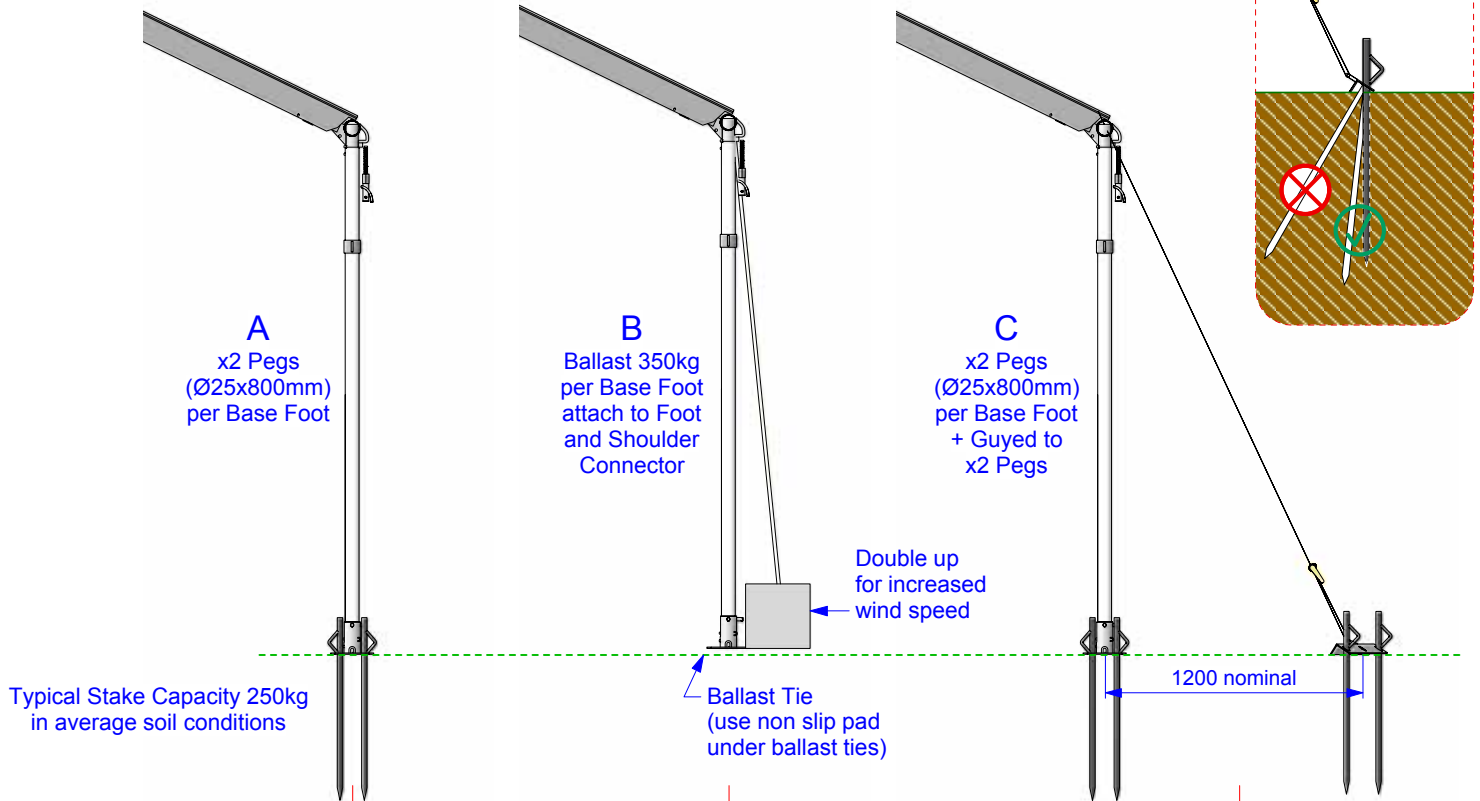


# 9m CLIPFRAME HIP END

## Recommended Staking Options



### Minimum Staking for each Leg



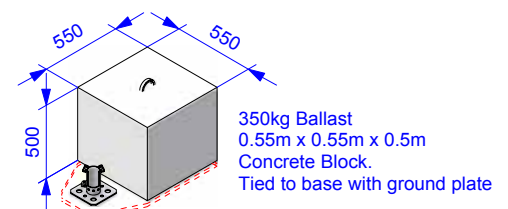
### Wind Speed

	<b>A</b>		<b>B</b>			<b>C</b>
0km/h	engineered	estimated	engineered	estimated	estimated	engineered
10km/h						
20km/h						
30km/h	Nominal Stake Capacity 250kg. 2 Stakes per base. 1.5 x safety factor.	1 stake		250kg Ballast		
40km/h						Nominal Stake Capacity 250kg. 2 Stakes per base. + 2 Stakes per outguy 1.5 x safety factor.
50km/h			350kg Ballast			
60km/h	Over 50km/h - All Walling to be fitted and closed					
70km/h					700kg Ballast	
80km/h	Over 80km/h - All Fabric to be Removed from Frame					
90km/h	Frame may be left standing					
100km/h						

Recommended Staking Options. Based on average Soil Conditions.

Consider Location factors  
eg: on Exposed Hilltop, limit speed to 50% of above.

In poor soil use more stakes or longer stakes.



# 9m CLIPFRAME HIP END

## End Frame Assembly



### Assemble Hip End Frame

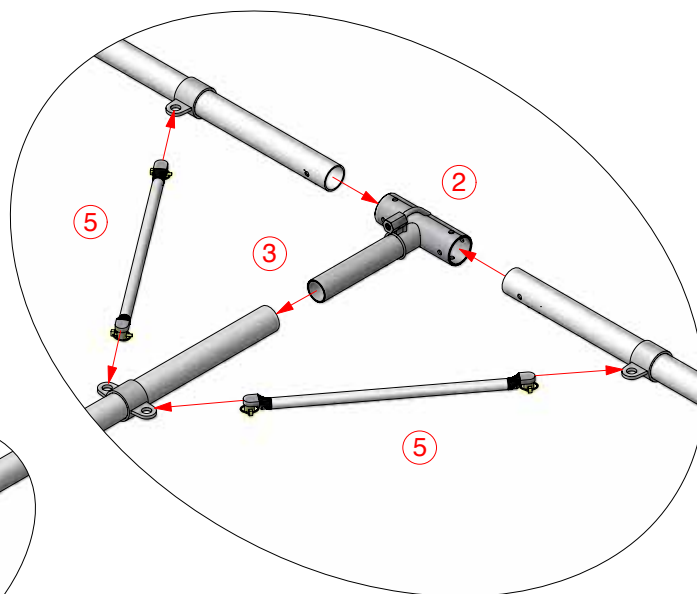
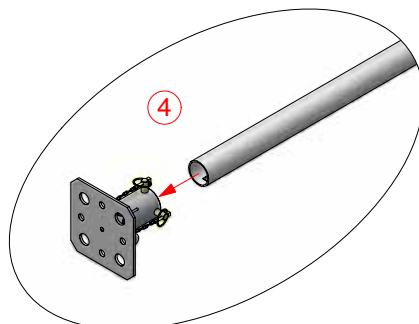
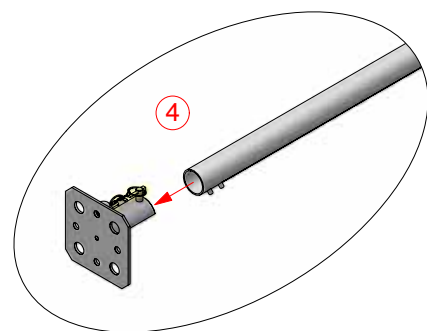
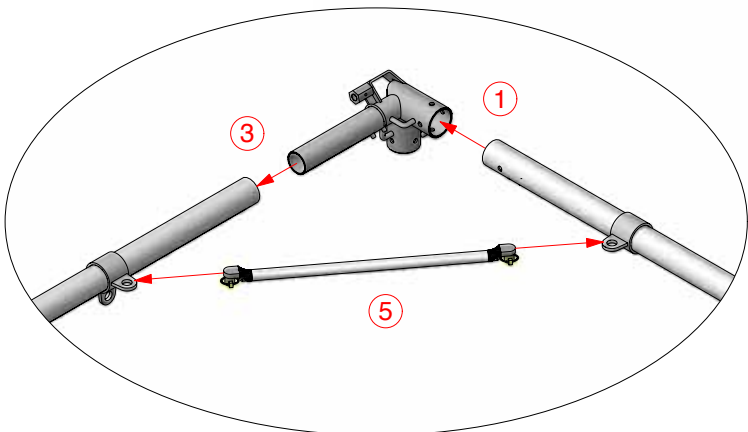
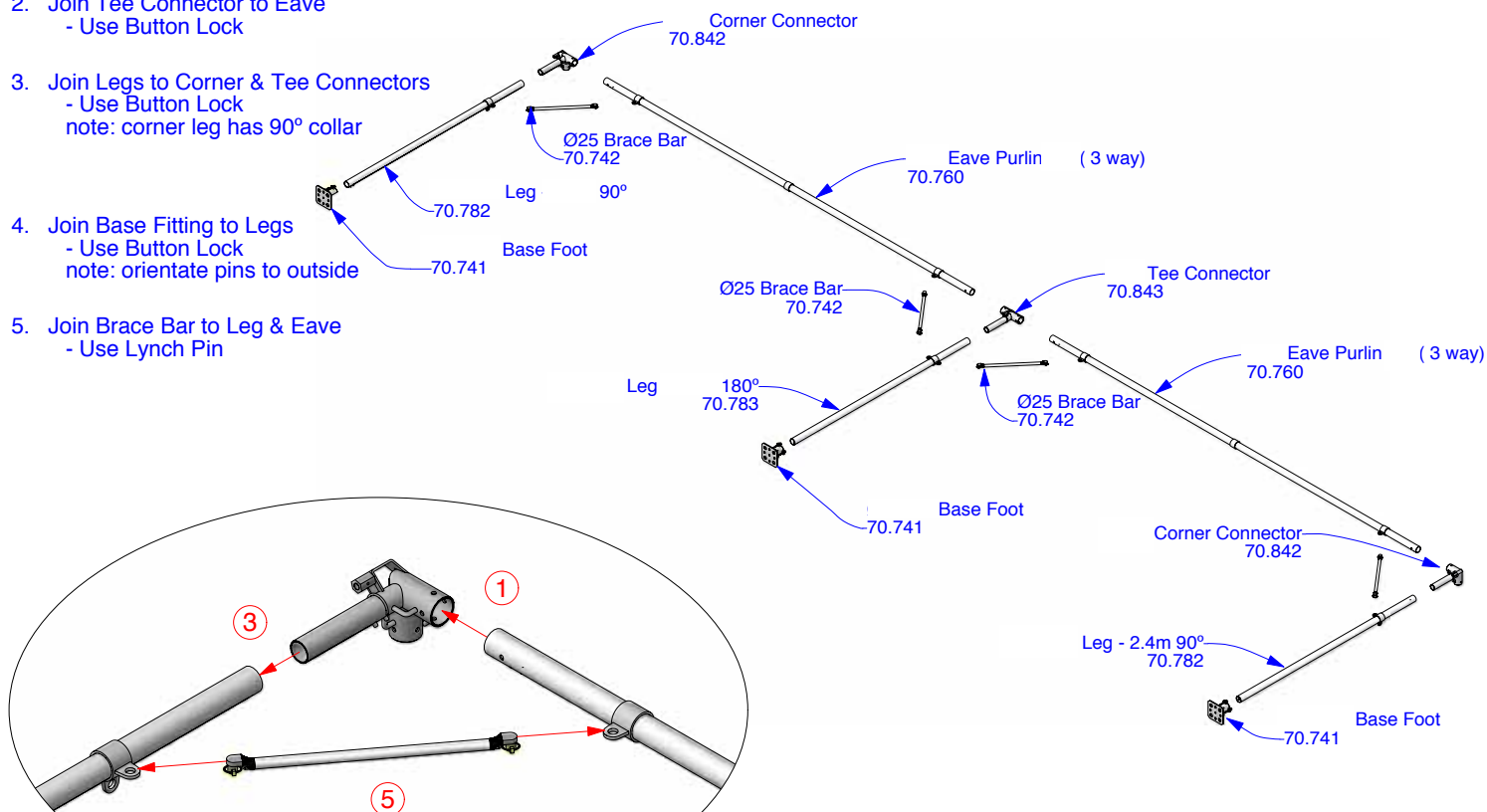
1. Join Corner Connector to Eave  
- Use Button Lock  
note: centre collar faces in & up

2. Join Tee Connector to Eave  
- Use Button Lock

3. Join Legs to Corner & Tee Connectors  
- Use Button Lock  
note: corner leg has 90° collar

4. Join Base Fitting to Legs  
- Use Button Lock  
note: orientate pins to outside

5. Join Brace Bar to Leg & Eave  
- Use Lynch Pin





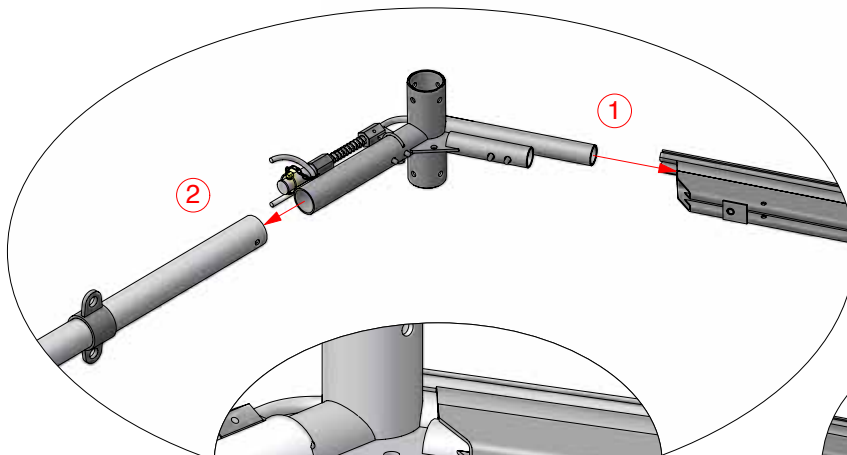
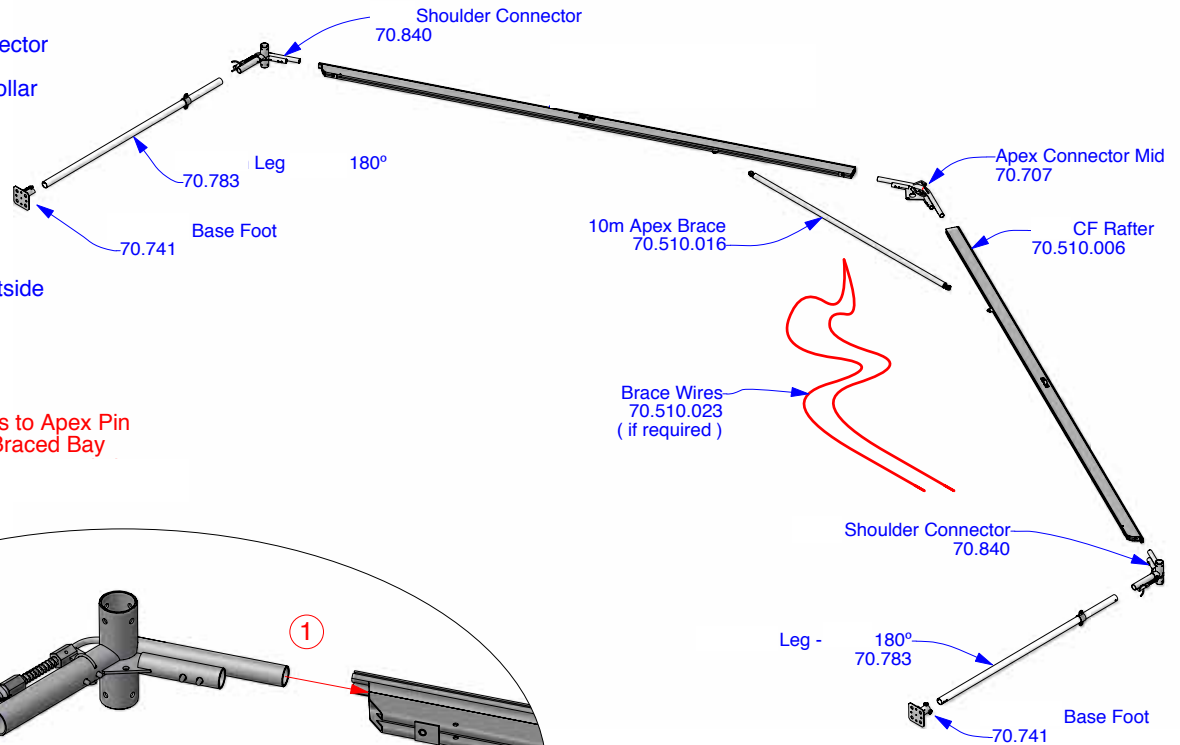
# 9m CLIPFRAME HIP END

## Mid Frame Assembly



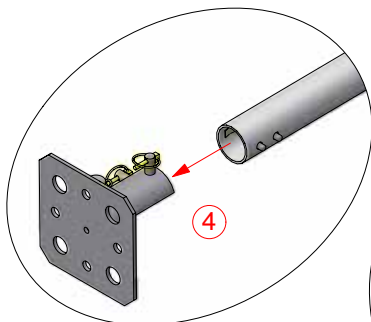
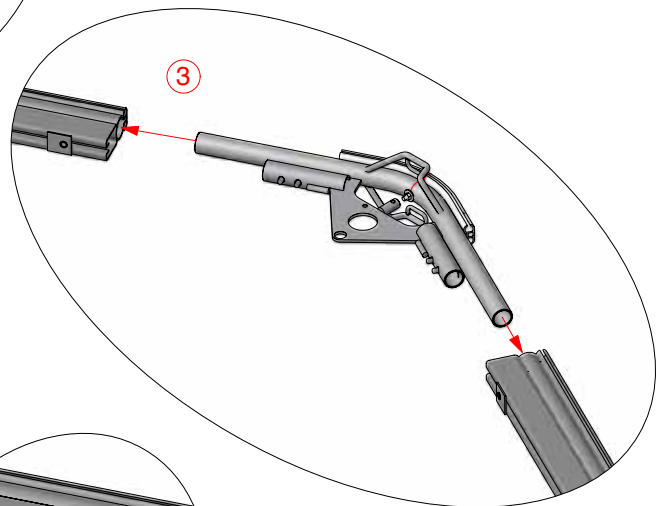
### Assemble Mid Portal

1. Join Shoulder Connector to Rafter  
- Use Button Lock
2. Join Leg to Shoulder Connector  
- Use Button Lock  
note: side leg has 180° collar
3. Join Rafters to Apex  
- Use Button Lock  
note: Mid Apex
4. Join Base Fitting to Leg  
- Use Button Lock  
note: orientate pins to outside
5. Join Apex Brace to Rafters  
- Use Lynch Pin
6. Attach 2 Roof Brace Cables to Apex Pin  
if Portal is adjacent to a Braced Bay

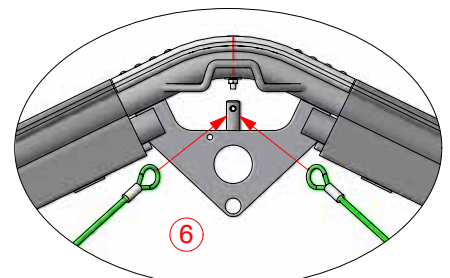
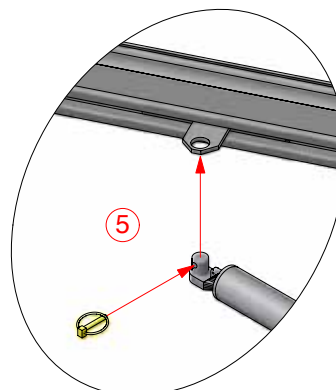
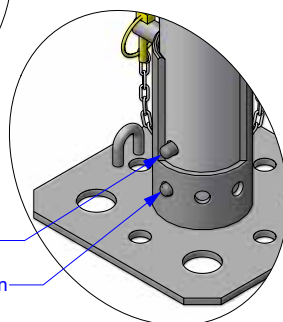


Engage lead button  
Press this button

Engage lead button  
Press this button



Press this button  
Engage lead button

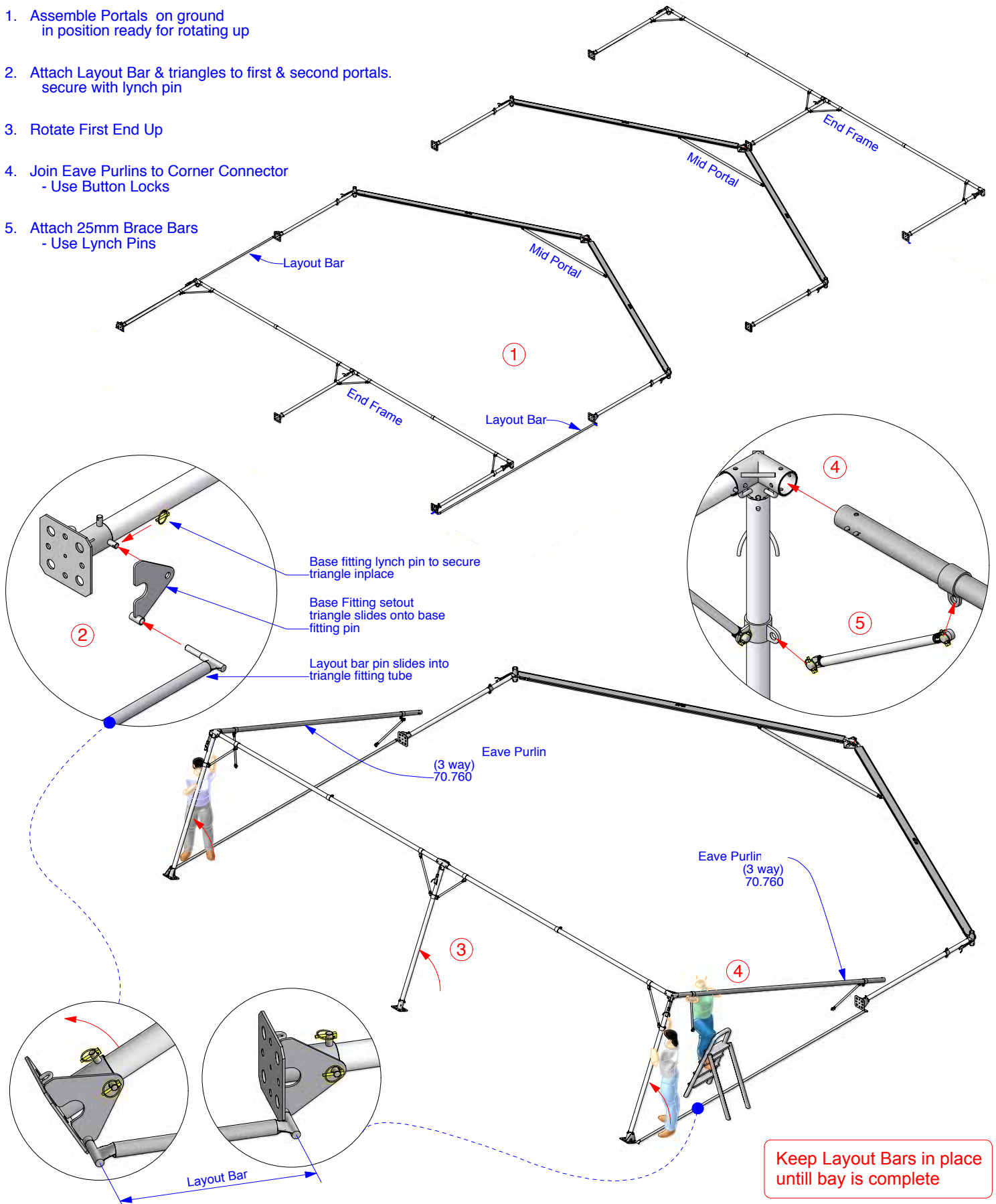


# 9m CLIPFRAME HIP END

## Portal Layout



1. Assemble Portals on ground in position ready for rotating up
2. Attach Layout Bar & triangles to first & second portals. secure with lynch pin
3. Rotate First End Up
4. Join Eave Purlins to Corner Connector - Use Button Locks
5. Attach 25mm Brace Bars - Use Lynch Pins



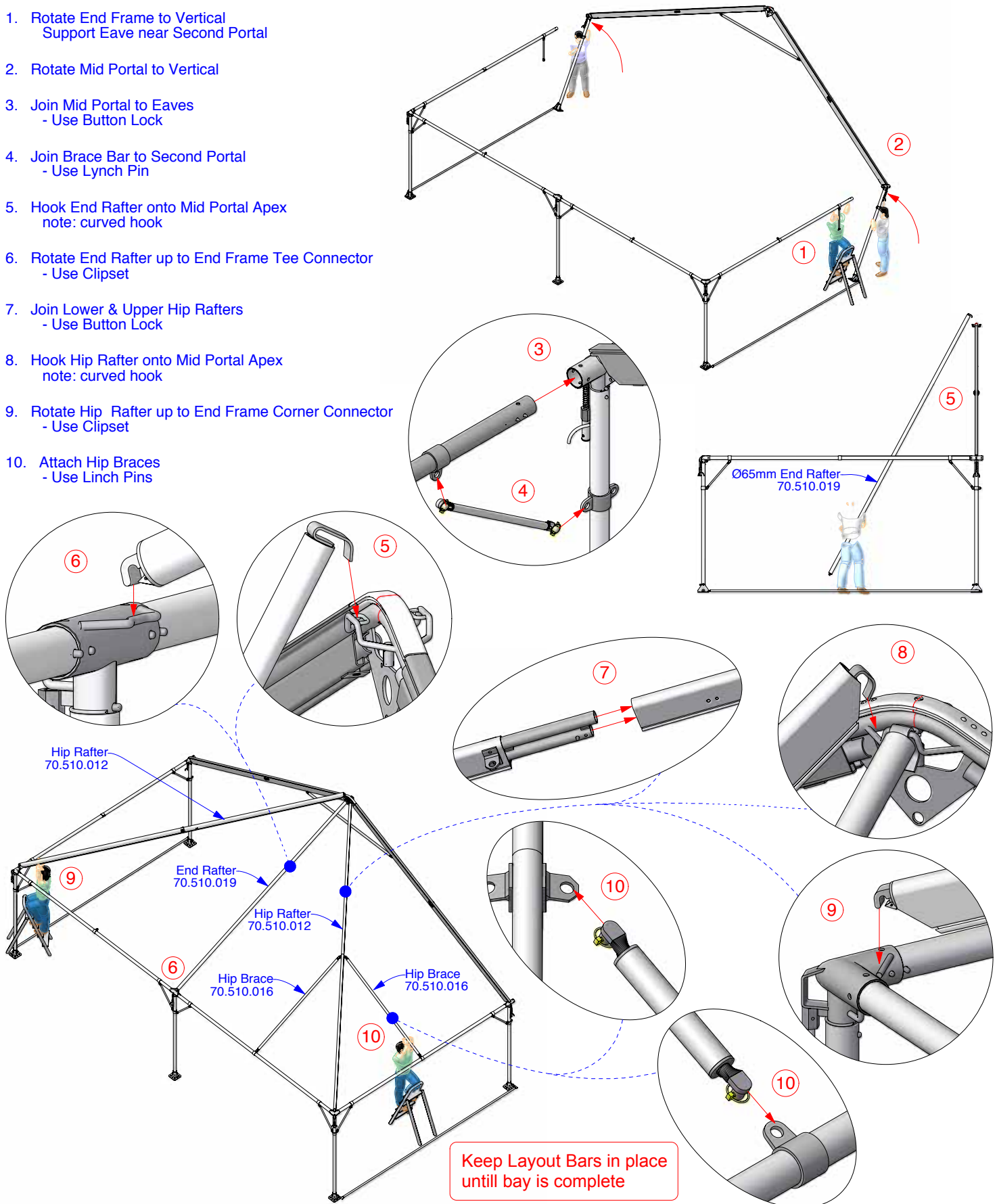


# 9m CLIPFRAME HIP END

## Hip End Bay Installation



1. Rotate End Frame to Vertical  
Support Eave near Second Portal
2. Rotate Mid Portal to Vertical
3. Join Mid Portal to Eaves  
- Use Button Lock
4. Join Brace Bar to Second Portal  
- Use Lynch Pin
5. Hook End Rafter onto Mid Portal Apex  
note: curved hook
6. Rotate End Rafter up to End Frame Tee Connector  
- Use Clipset
7. Join Lower & Upper Hip Rafters  
- Use Button Lock
8. Hook Hip Rafter onto Mid Portal Apex  
note: curved hook
9. Rotate Hip Rafter up to End Frame Corner Connector  
- Use Clipset
10. Attach Hip Braces  
- Use Linch Pins

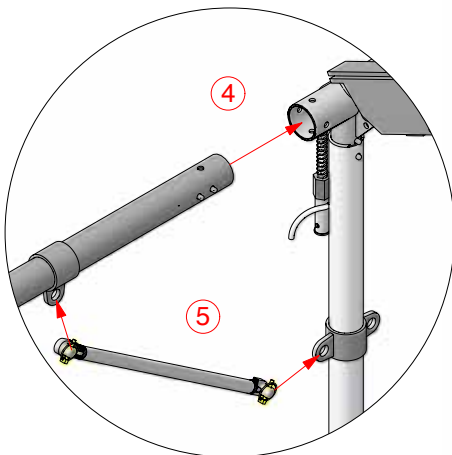
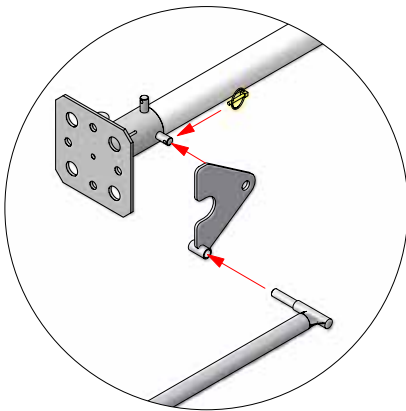
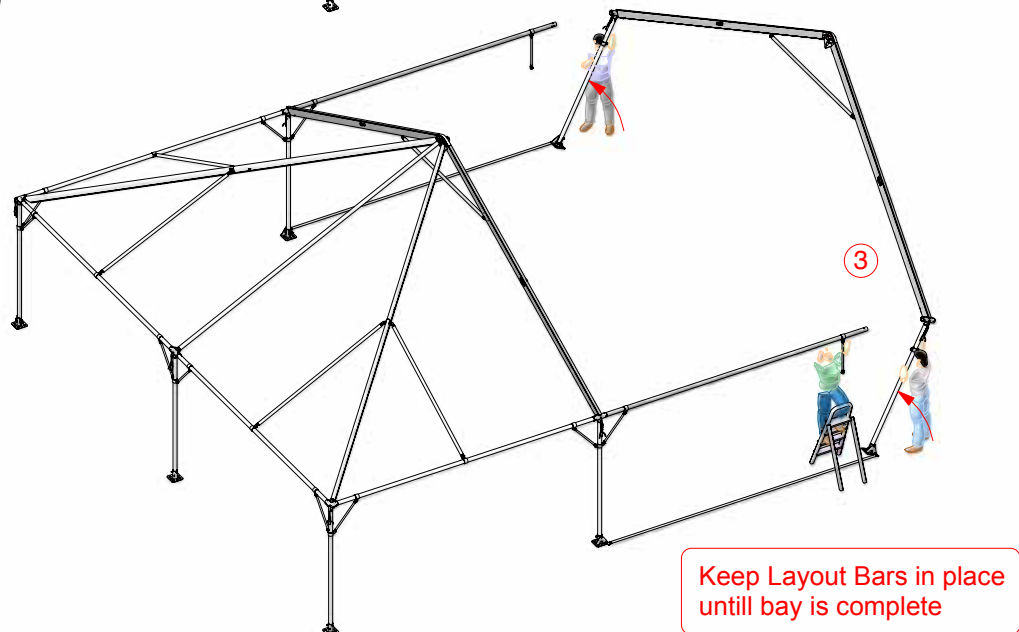
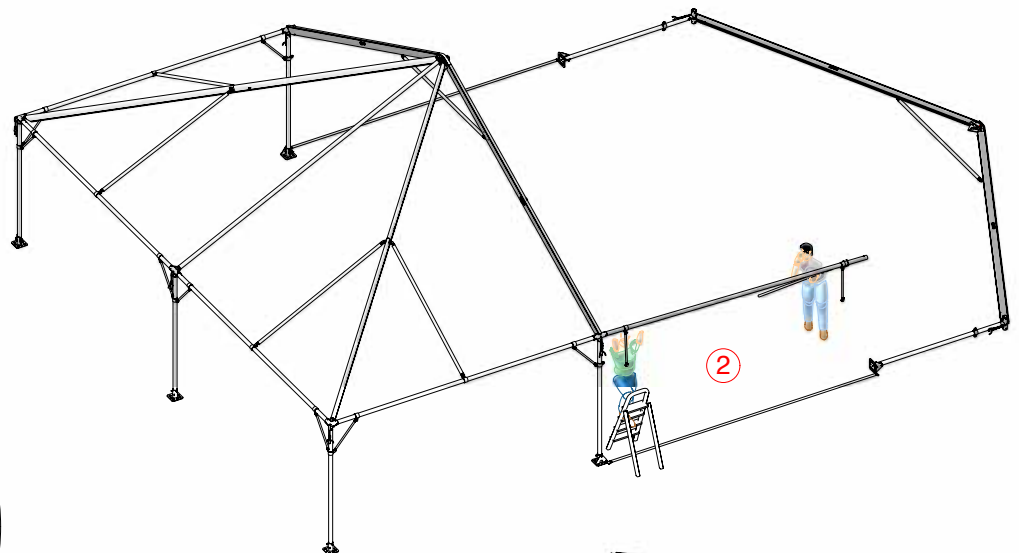
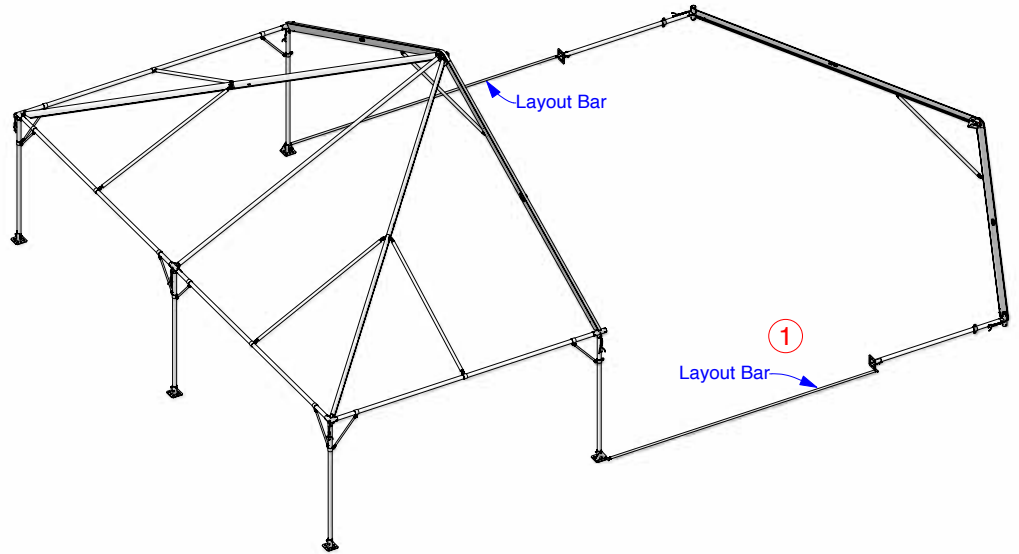


# 9m CLIPFRAME HIP END

## Continued Frame Assembly



1. Move Layout Bars to Next Bay  
- keep in place until bay complete
2. Attach Eave Purlins & Brace Bars
3. Rotate Next Portal up
4. Join Mid Portal to Eaves  
-Use button Lock
5. Attach Brace Bar  
-Use Lynch Pin



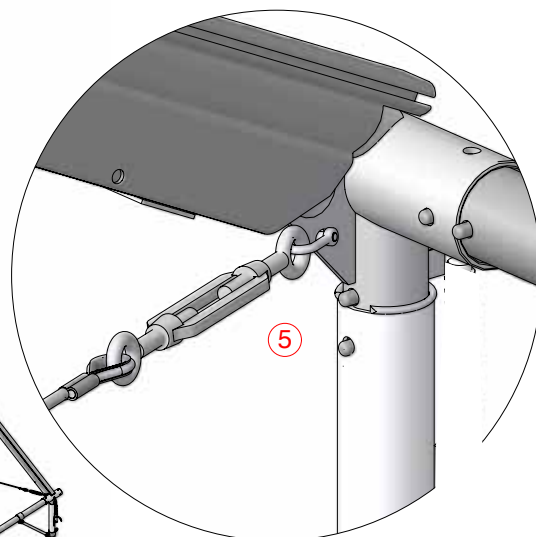
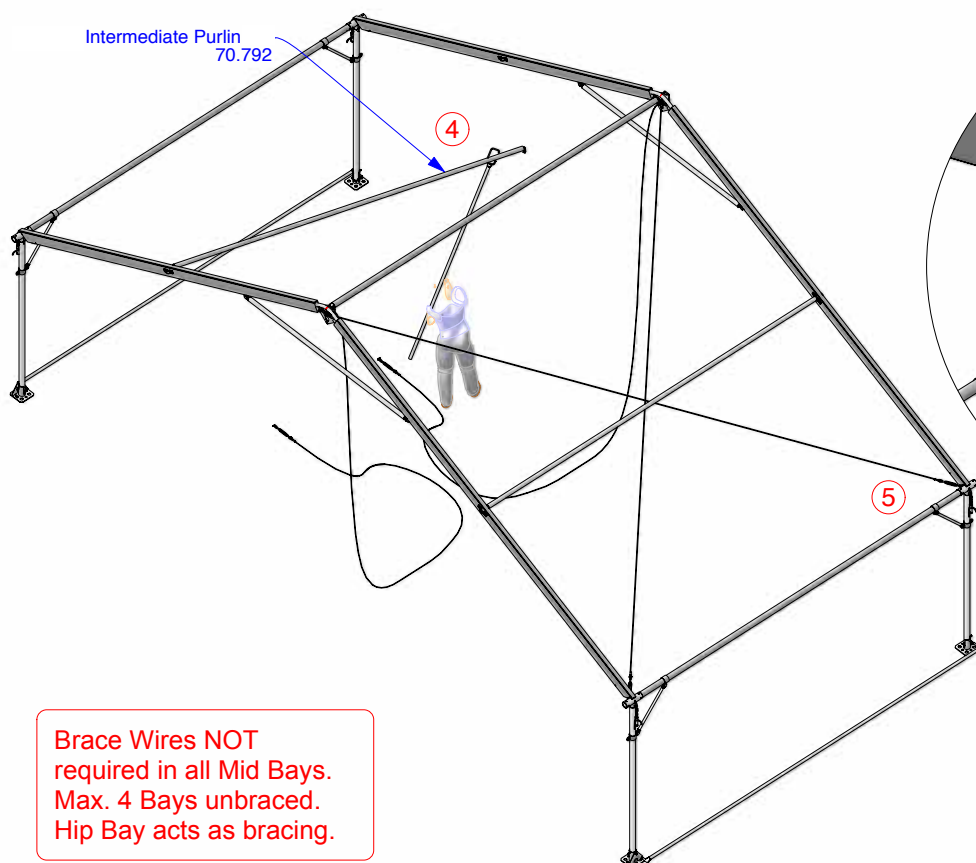
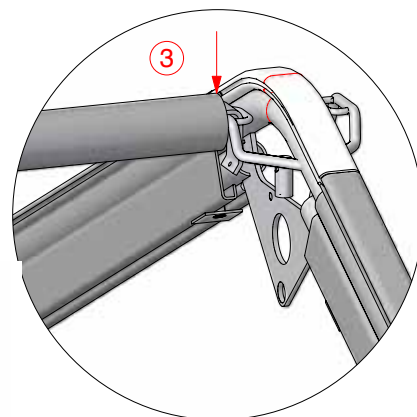
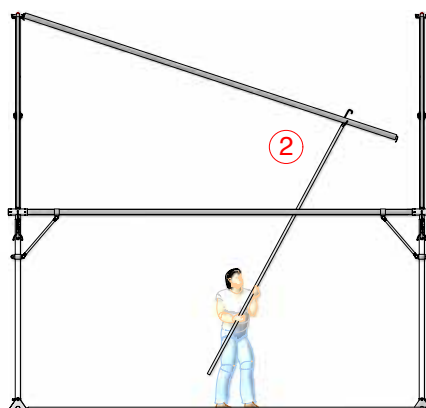
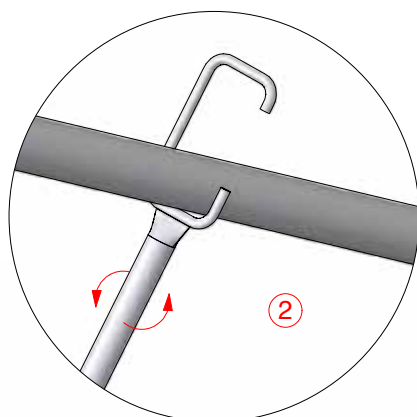
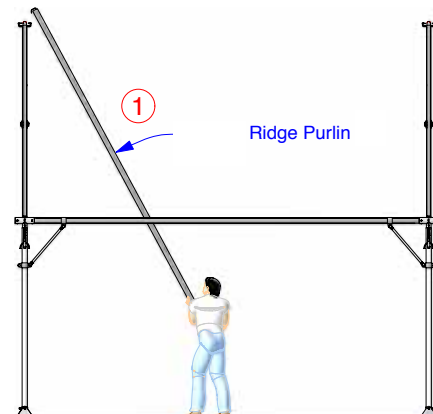
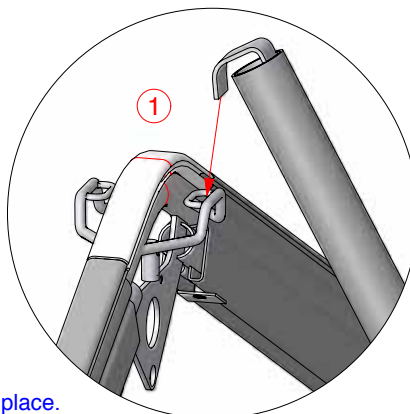
Keep Layout Bars in place  
until bay is complete

# 9m CLIPFRAME HIP END

## Mid Bay & Brace Wire Installation



1. Hook Ridge Purlin onto Mid Portal Apex  
note: curved hook
2. Rotate Ridge Purlin up to Second Mid Portal Apex  
- Use Purlin Fork. keep square to purlin  
- twist Purlin Fork to reduce sliding
3. Hook Ridge Purlin into Second Mid Portal Apex  
- Ensure Engaged
4. Install Intermediate Purlins  
- same process as Blue Purlin
5. Attach Roof Brace Wires to Shoulders  
- Use Shackle  
- Do not fully tension turnbuckle until roof fabric is in place.



Brace Wires NOT  
required in all Mid Bays.  
Max. 4 Bays unbraced.  
Hip Bay acts as bracing.

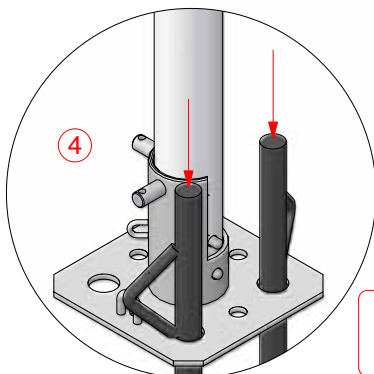
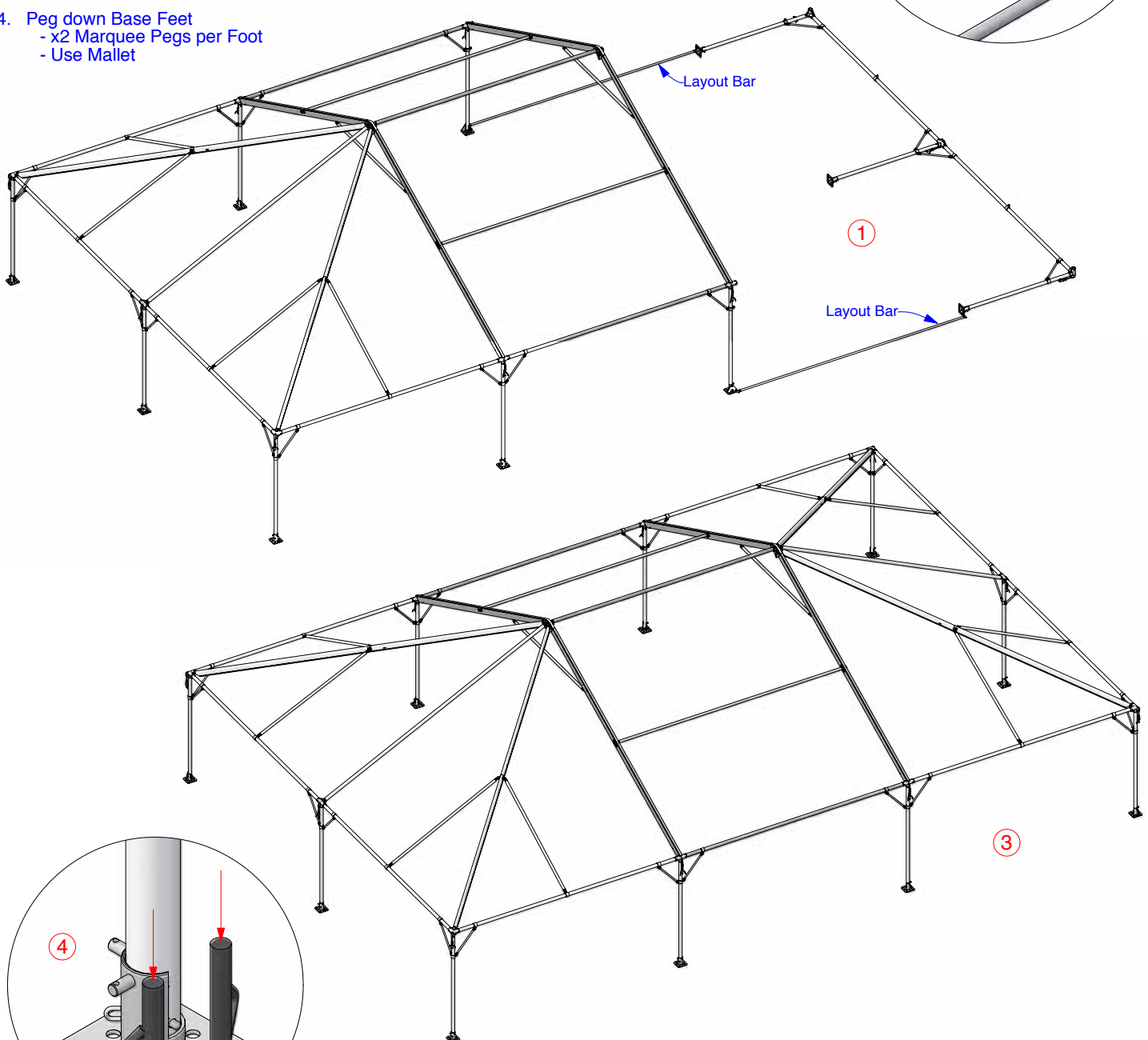
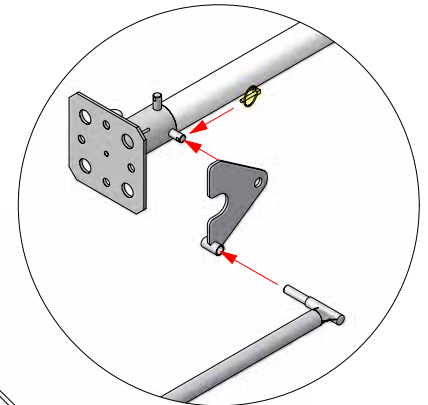
Keep Layout Bars in place  
until bay is complete

# 9m CLIPFRAME HIP END

## Continued Frame Assembly



1. Move Layout Bars to Next Bay  
- keep in place until bay complete
2. Continue Assembling each Mid Bay required per first.  
Consider braced bay placements.
3. Last Bay is a Hip End Bay
  - Assemble End Frame on Ground
  - Attach Layout bars
  - Attach Eave Purlins & Brace Bars
  - Rotate End Frame Up & join to Eave Purlins & Brace Bars
  - Attach End Rafter
  - Attach Hip Rafters. (briefly disengage corner/eave if difficult).
  - Attach Hip Braces
4. Peg down Base Feet
  - x2 Marquee Pegs per Foot
  - Use Mallet



Stake or Ballast Frame  
before Fabric Installed

Keep Layout Bars in place  
until bay is complete

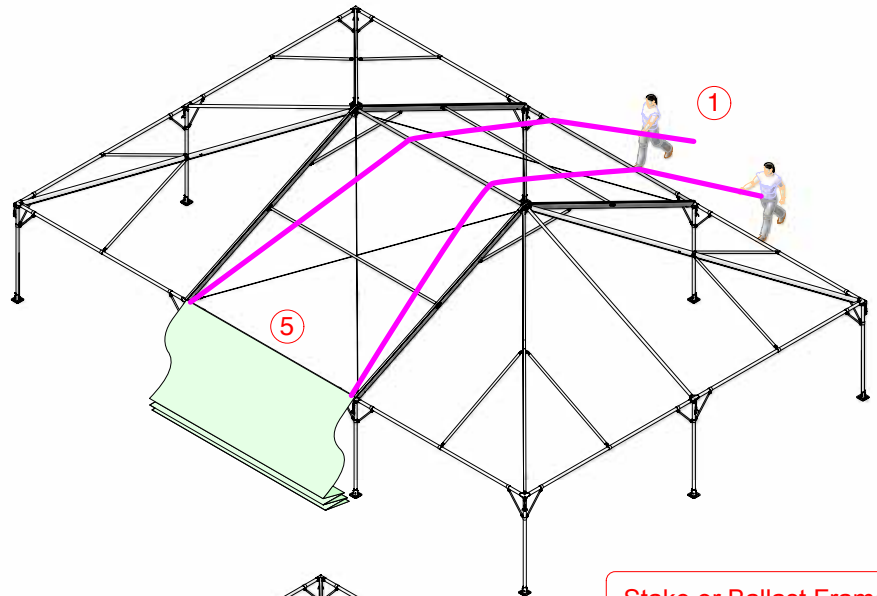


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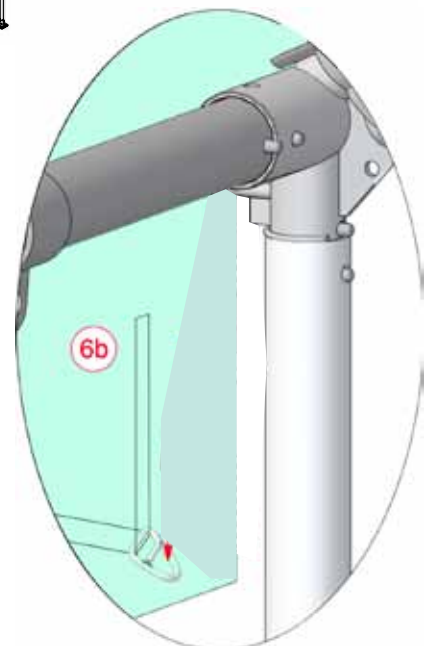
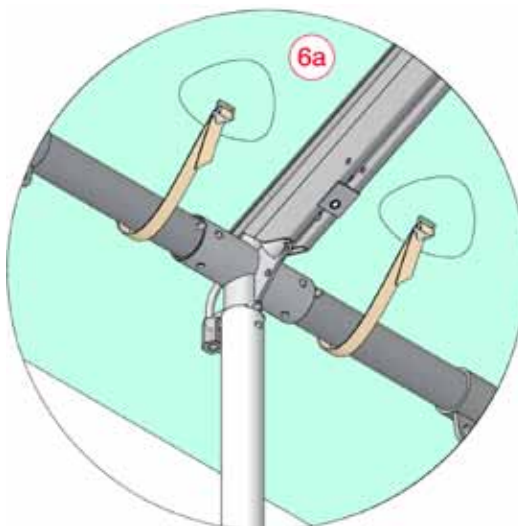
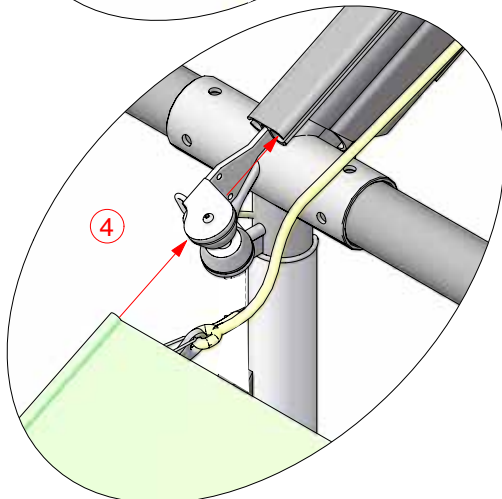
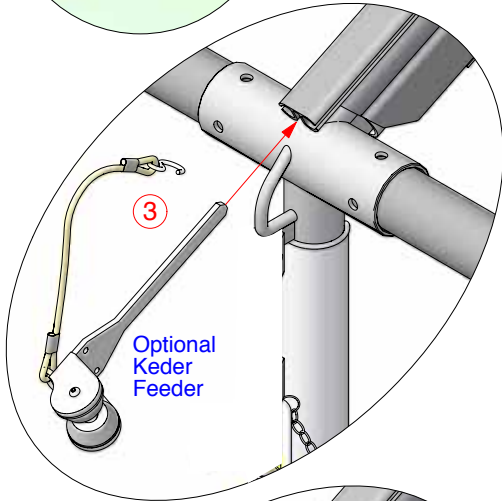
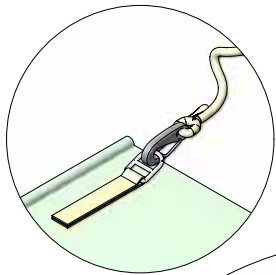
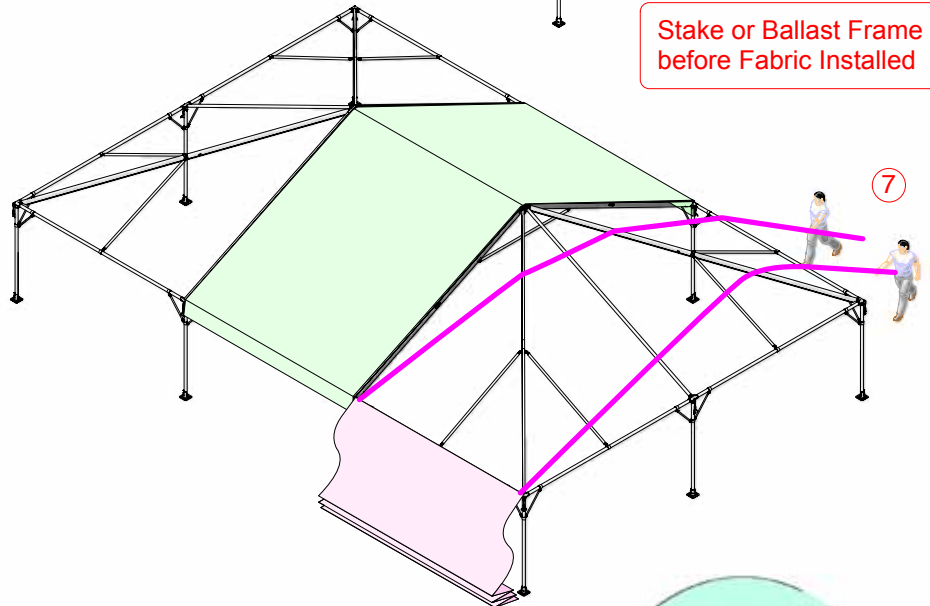
## Roof Fabric Installation



1. Throw Pull Over Ropes Across
2. Attach Pull Over Ropes to Roof 'D'  
- hook facing fabric
3. Fit Keder Feeder in Rafter end  
- optional part  
- secure with hook around leg
4. Engage Keder in Rafter Extrusion  
- feed through Keder Feeder
5. Pull Panel Evenly
6. Tension Mid Panels  
6a. Mk2 - Use Packlocks
7. Hip End Roof Fabric Installed the same as Mid.  
Ease Fabric over frame if snagged.



Stake or Ballast Frame  
before Fabric Installed

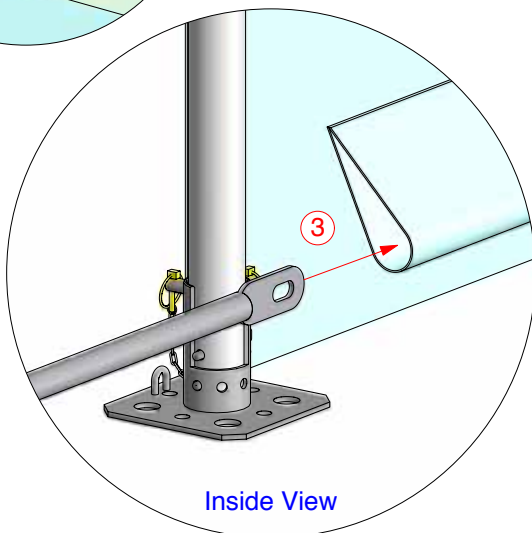
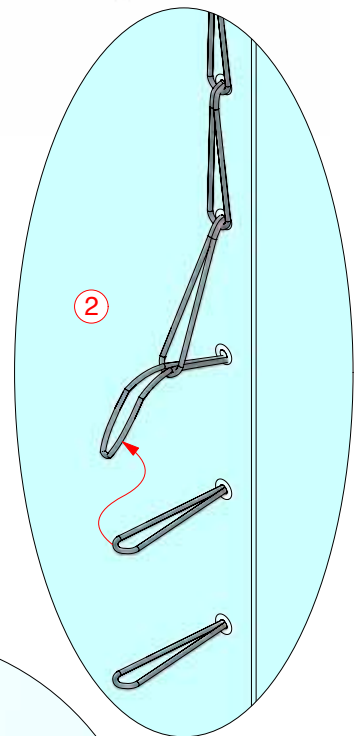
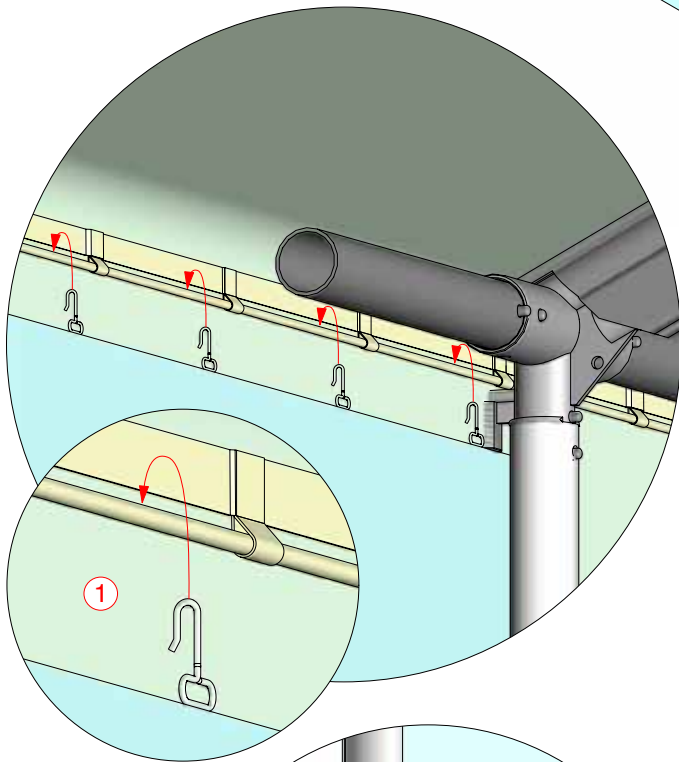
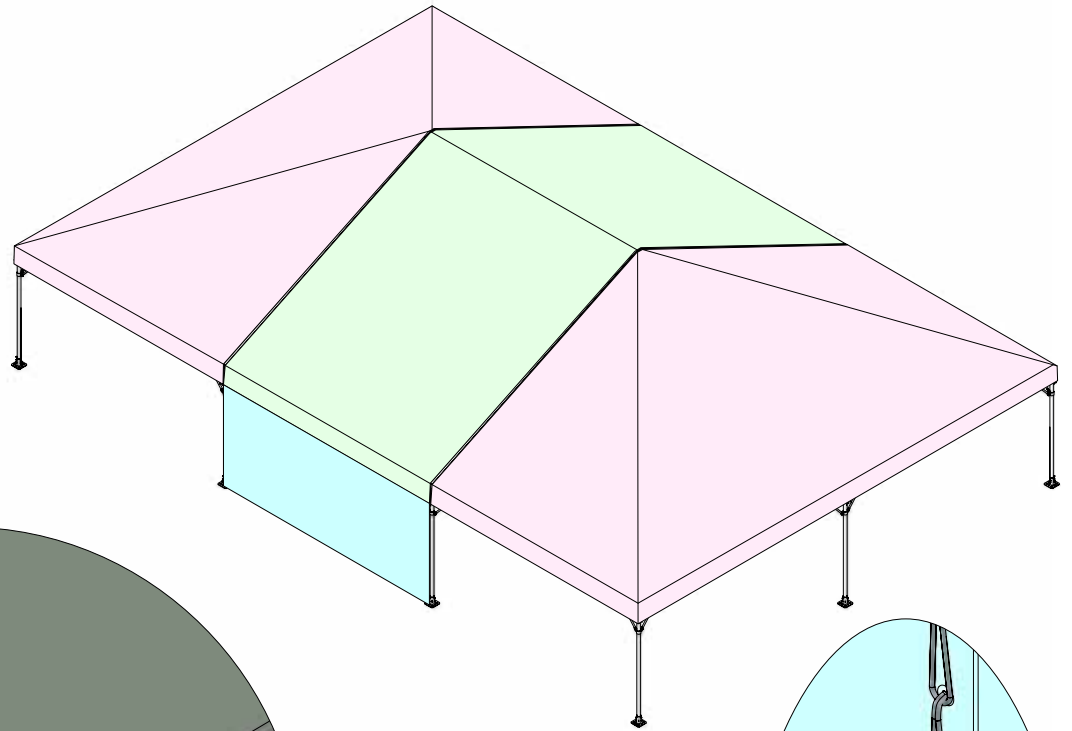


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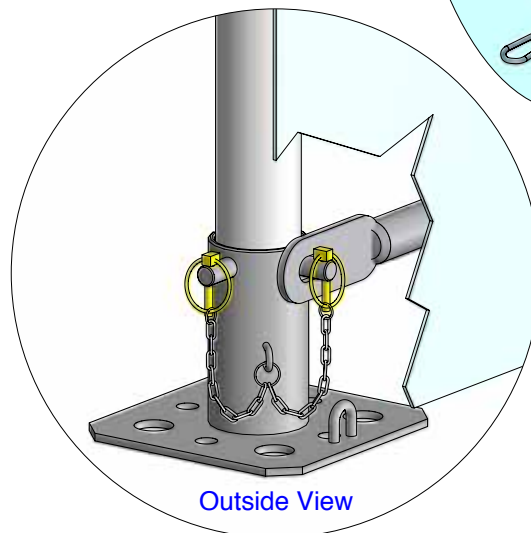
## Wall Fabric Installation



1. Hook Wall onto Wall cord of Roof  
- Pockets to inside
2. Lace Walls together behind leg
3. Insert Base Rail in Pocket
4. Attach Base Rail to Base Foot  
- Use Lynch Pin



Inside View



Outside View