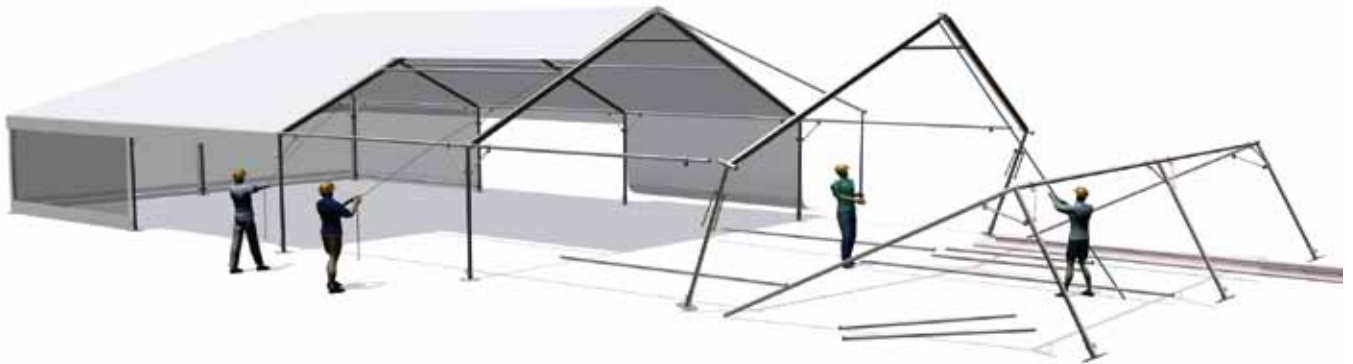


# 6m CLIPFRAME HIP END Assembly Instructions



SIMPLICITY · PERFORMANCE · STYLE

## New Zealand

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

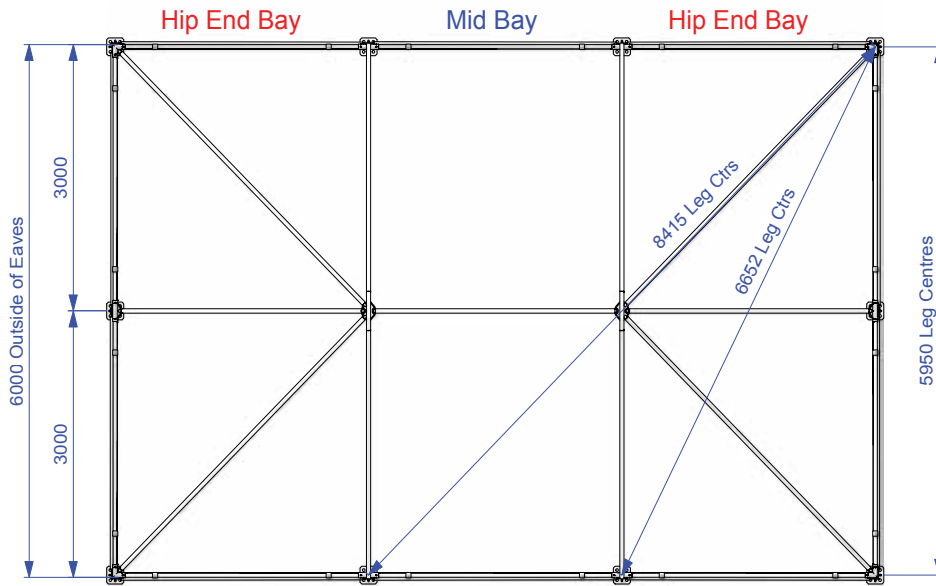
tel +64 7 579 0190  
fax +64 7 579 0194  
[www.baytex.co.nz](http://www.baytex.co.nz)

## Australia

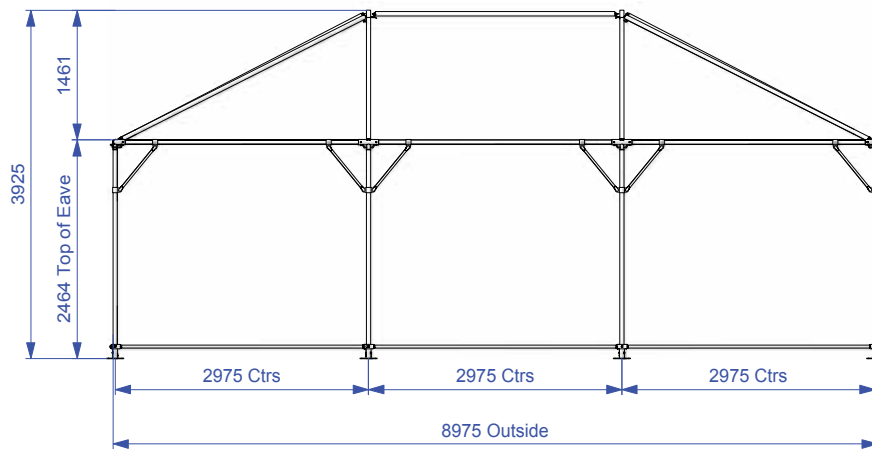
tel 02 4340 4144  
mob 0400 312 314

# 6m CLIPFRAME HIP END

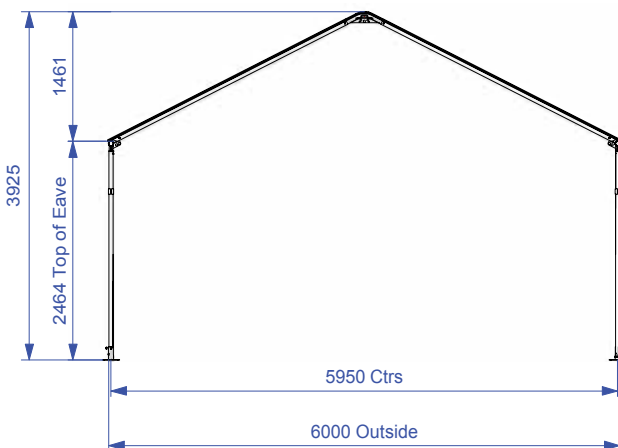
## Plans & Elevations



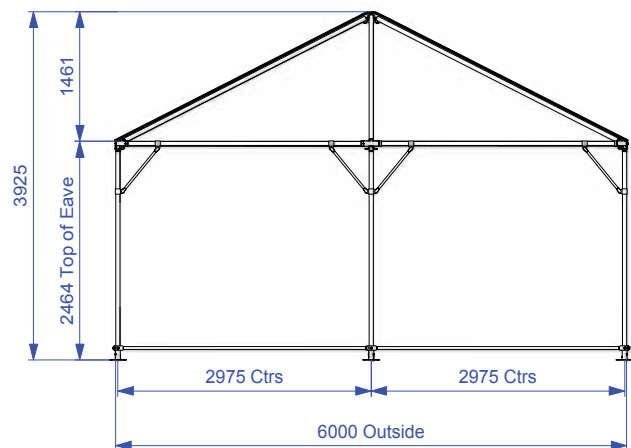
001/1 Plan View Scale 1:60



001/2 Side View Scale 1:60



001/3 Mid Portal Scale 1:60



001/4 End View Scale 1:60

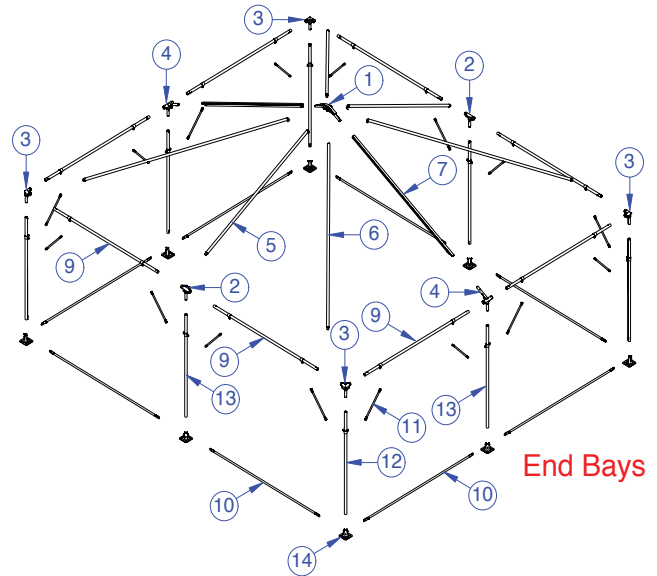
# 6m CLIPFRAME HIP END

## Parts Identification



### End Bays Hardware List

Ref.	Part Name	Qty	Drawing Number
1	Apex Connector Mid - Channel Tube Lite 26°	1	70.755
2	Ø50 Tee Connector	2	70.730
3	Ø50 Corner Connector	4	70.731
4	Ø50 Mid Shoulder Connector 26°	2	70.751
5	6m End Rafter	2	70.506.014
6	6m Hip Rafter	4	70.506.007
7	6m Side Rafter - Channel Tube Lite	2	70.506.006
9	Ø50 Eave Purlin 3m (2 Way)	8	70.762
10	Base Rail - 3m	8	70.710
11	Ø25 Brace bar	16	70.742
12	90° Ø50 Leg - 2.4m	4	70.737/1
13	180° Ø50 Leg - 2.4m	4	70.737/2
14	Ø50mm Base Foot	8	70.732



End Bays

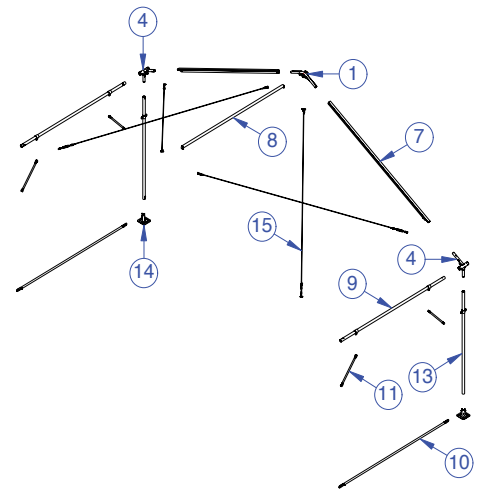
### End Bays Fabric List

A	6m x 6m Pair of End Roof (2 Pieces)	1	70.306.200
C	3m x 2.4m Wall	8	60.011.50

### Mid Bay Hardware List

(Bay Quantity = 1)

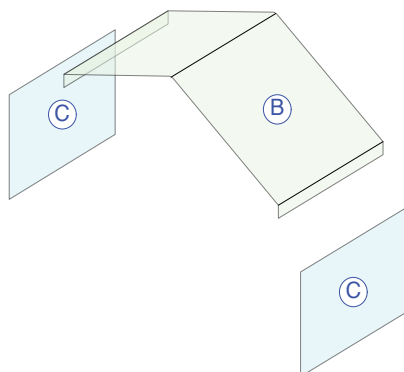
Ref.	Part Name	Qty	Drawing Number
1	Apex Connector Mid - Channel Tube Lite 26°	1	70.755
4	Ø50 Mid Shoulder Connector 26°	2	70.751
7	6m Side Rafter - Channel Tube Lite	2	70.506.006
8	Ø50 Ridge Purlin 3m	1	70.763
9	Ø50 Eave Purlin 3m (2 Way)	2	70.762
10	Base Rail - 3m	2	70.710
11	Ø25 Brace bar	4	70.742
13	180° Ø50 Leg - 2.4m	2	70.737/2
14	Ø50mm Base Foot	2	70.732
15	Brace Cable Set - Roof (4 cables)	1	70.506.013



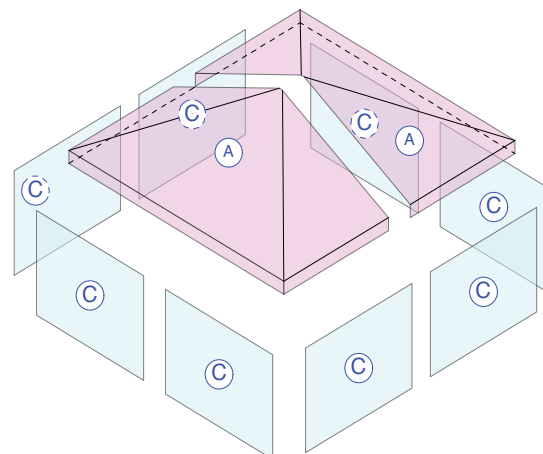
Mid Bay

### Mid Bay Fabric List

B	6m x 3m Mid Roof	1	70.306.260
C	3m x 2.4m Wall	2	60.011.50



Mid Bay



End Bays

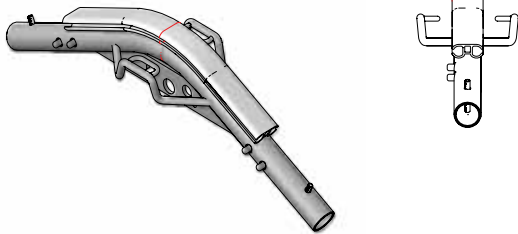
# 6m CLIPFRAME HIP END

## Parts Identification



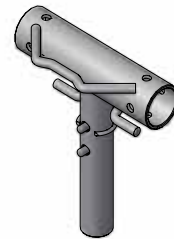
### 1. Apex Connector Mid - Channel Tube Lite

-To use with Channel Tube Lite Rafter



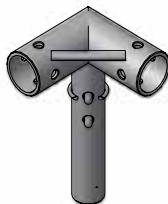
### 2. Ø50 Tee Connector

-To use with Ø50mm Eave & Leg



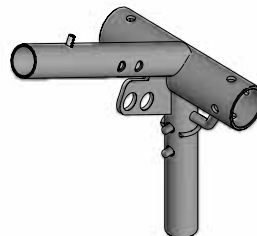
### 3. Ø50 Corner Connector

-To use with Ø50mm Eave & Leg

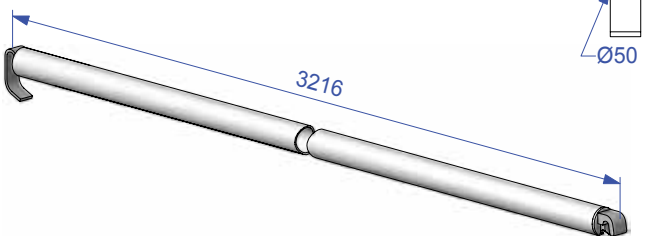


### 4. Ø50 Mid Shoulder Connector 26°

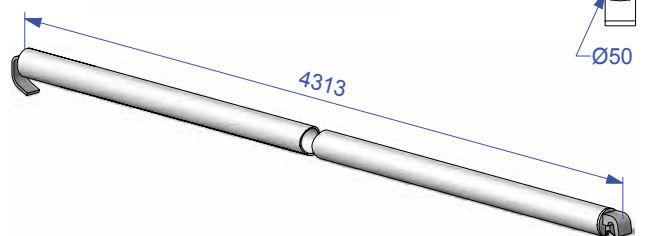
-To use with Channel Tube Lite Rafter and Ø50mm Leg



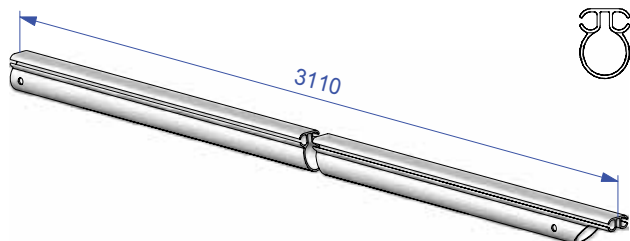
### 5. 6m End Rafter Ø50



### 6. 6m Hip Rafter Ø50

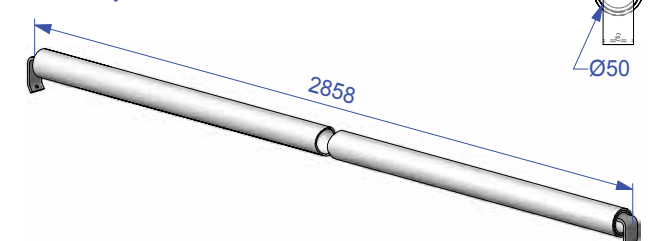


### 7. 6m Side Rafter - Channel Tube Lite



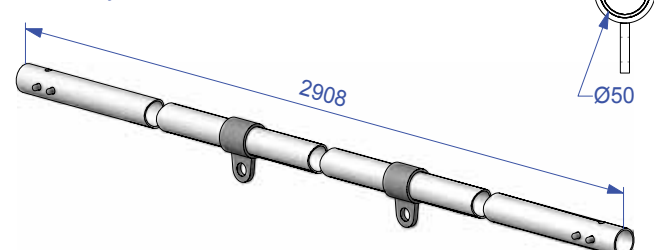
### 8. Ø50 Ridge Purlin 3m

- 3m Bay

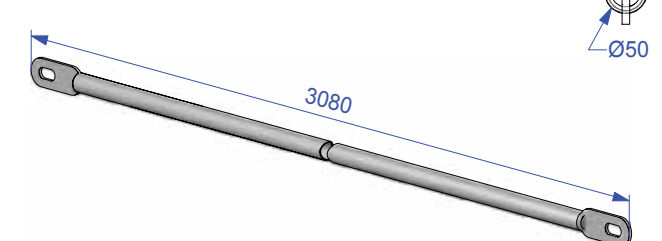


### 9. Ø50 Eave Purlin 3m (2 way)

- 3m Bay



### 10. Base Rail - 3m



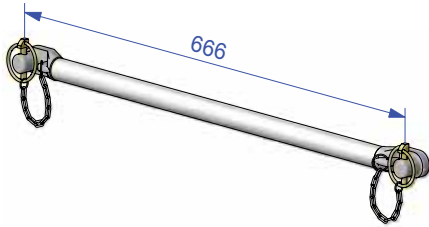
# 6m CLIPFRAME HIP END

## Parts Identification



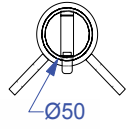
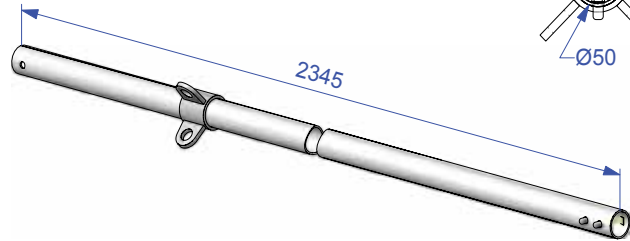
### 11. Ø25 Brace Bar

-Includes: (x1) Brace Bar, (x2) Lynch Pin & Chain Set



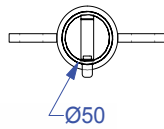
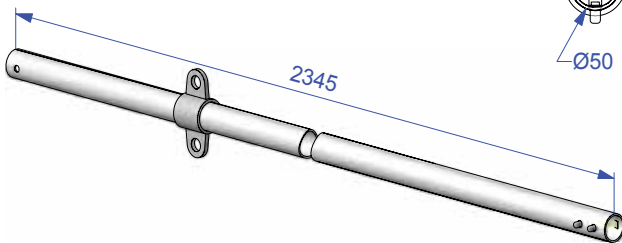
### 12. 90° Ø50 Leg - 2.4m

-90° Brace Collar



### 13. 180° Ø50 Leg - 2.4m

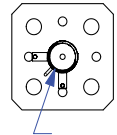
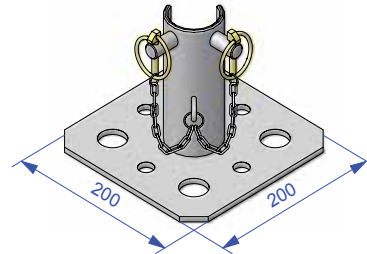
-180° Brace Collar



### 14. Ø5

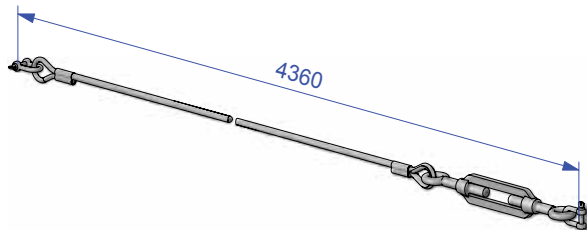
-Includes

1 Pin & Chain Set



### 15. Roof Brace Cable Set - for 6m x 3m Bay

- Includes: (x4) Ø5mm Cable, (x4) Turnbuckle, (x8) Shackle

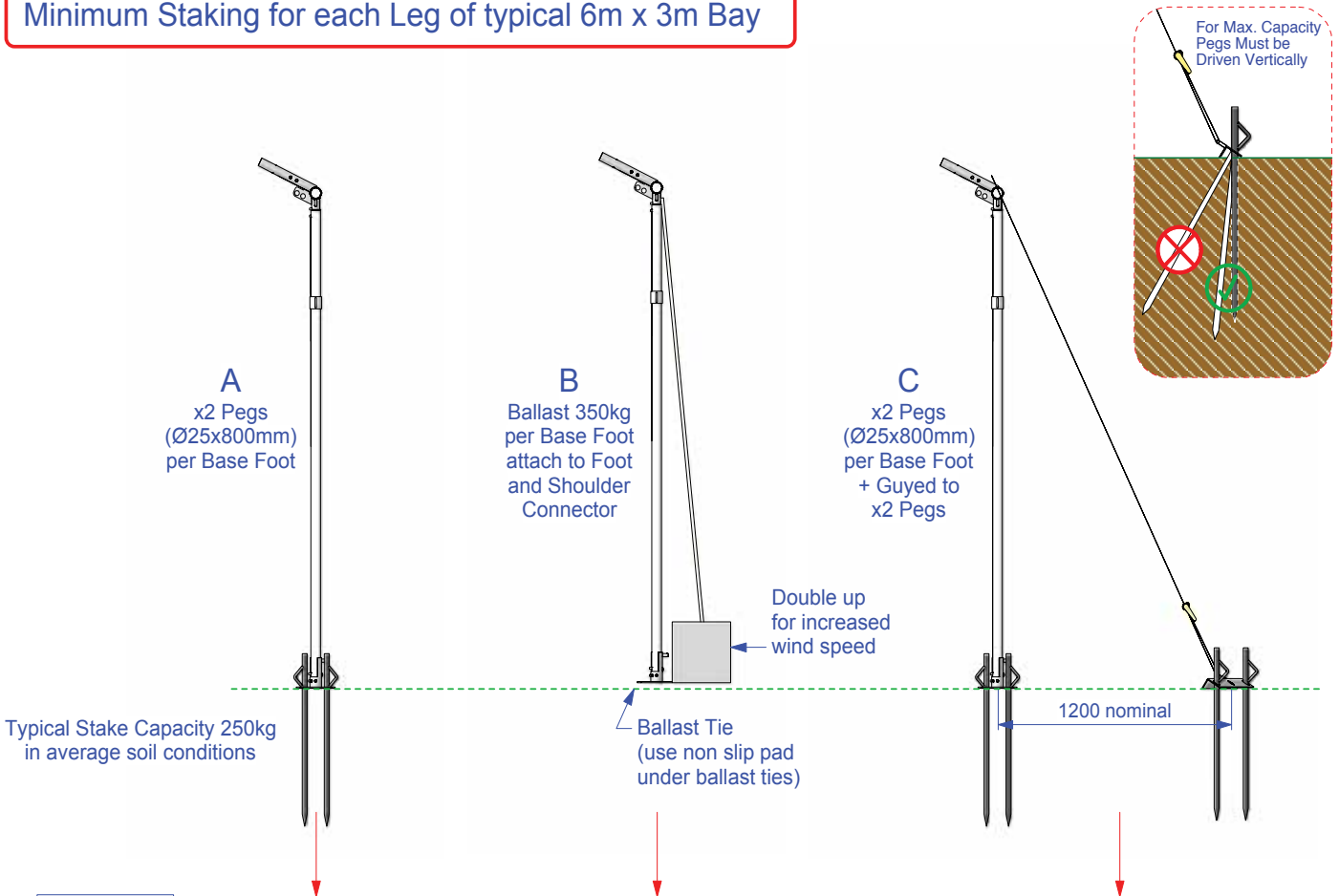


# 6m CLIPFRAME HIP END

## Recommended Staking Options



Minimum Staking for each Leg of typical 6m x 3m Bay



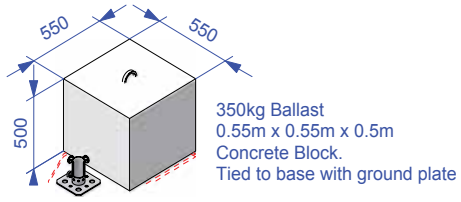
Wind Speed

Wind Speed	A	estimated	B	estimated	estimated	C
0km/h	engineered	estimated	engineered	estimated	estimated	engineered
10km/h						
20km/h	Nominal Stake Capacity 250kg. 2 Stakes per base. 1.5 x safety factor.	1 stake		250kg Ballast	700kg Ballast	
30km/h						
40km/h			350kg Ballast			Nominal Stake Capacity 250kg. 2 Stakes per base. + 2 Stakes per outguy 1.5 x safety factor.
50km/h	Over 50km/h - All Walling to be fitted and closed					
60km/h						
70km/h						
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.



# 6m CLIPFRAME HIP END

## End Portal Assembly

### Assemble Hip End Frame

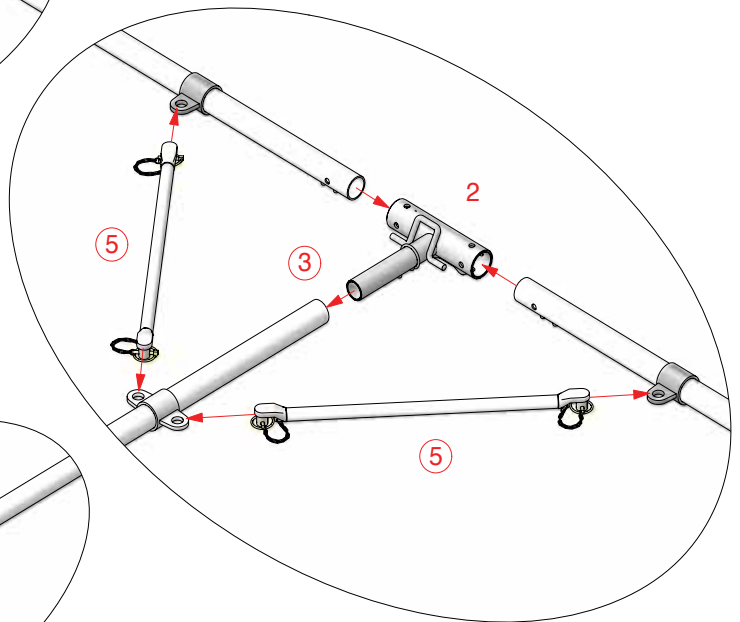
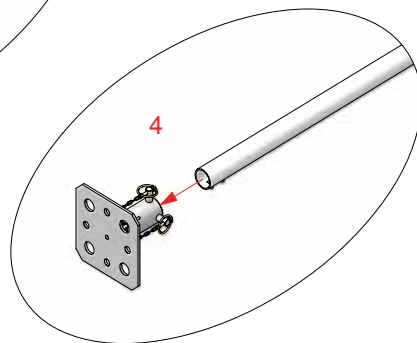
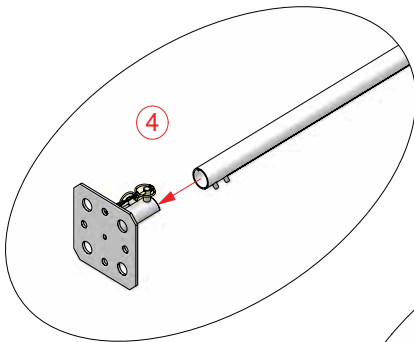
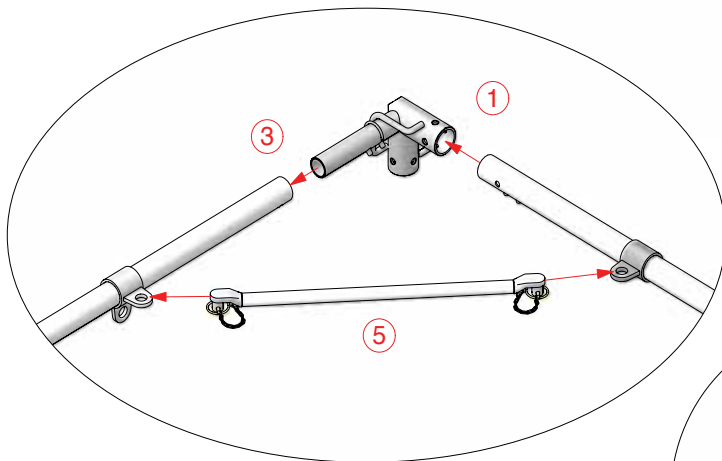
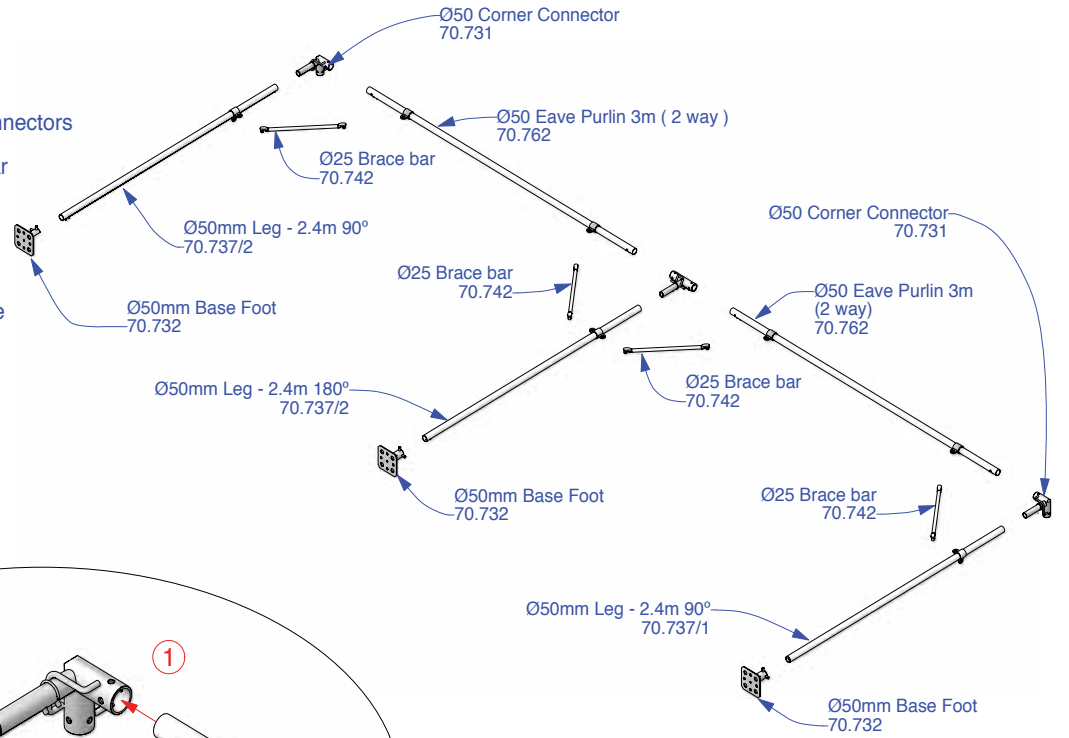
1. Join Corner Connector to Eave  
 - Use Button Lock  
 note: centre collar faces in & up

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



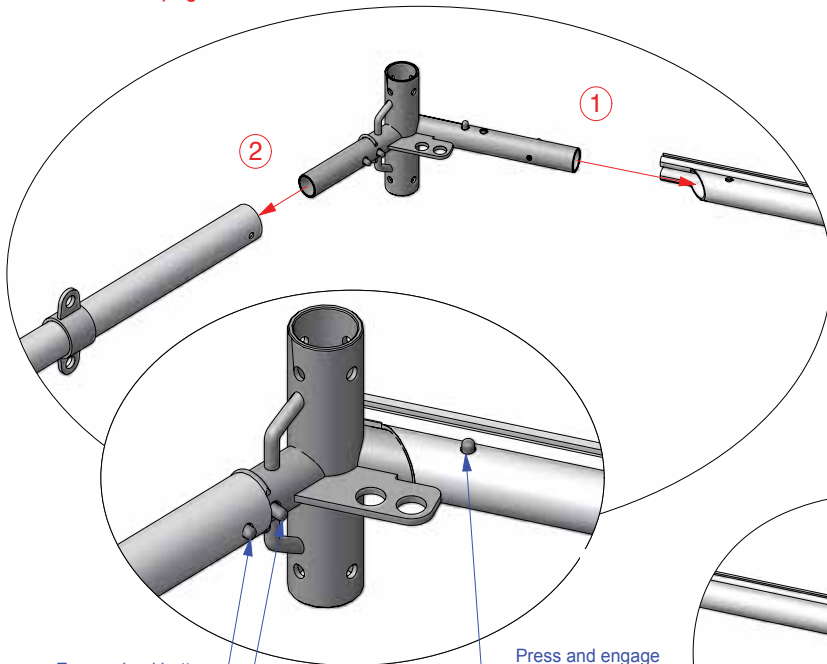
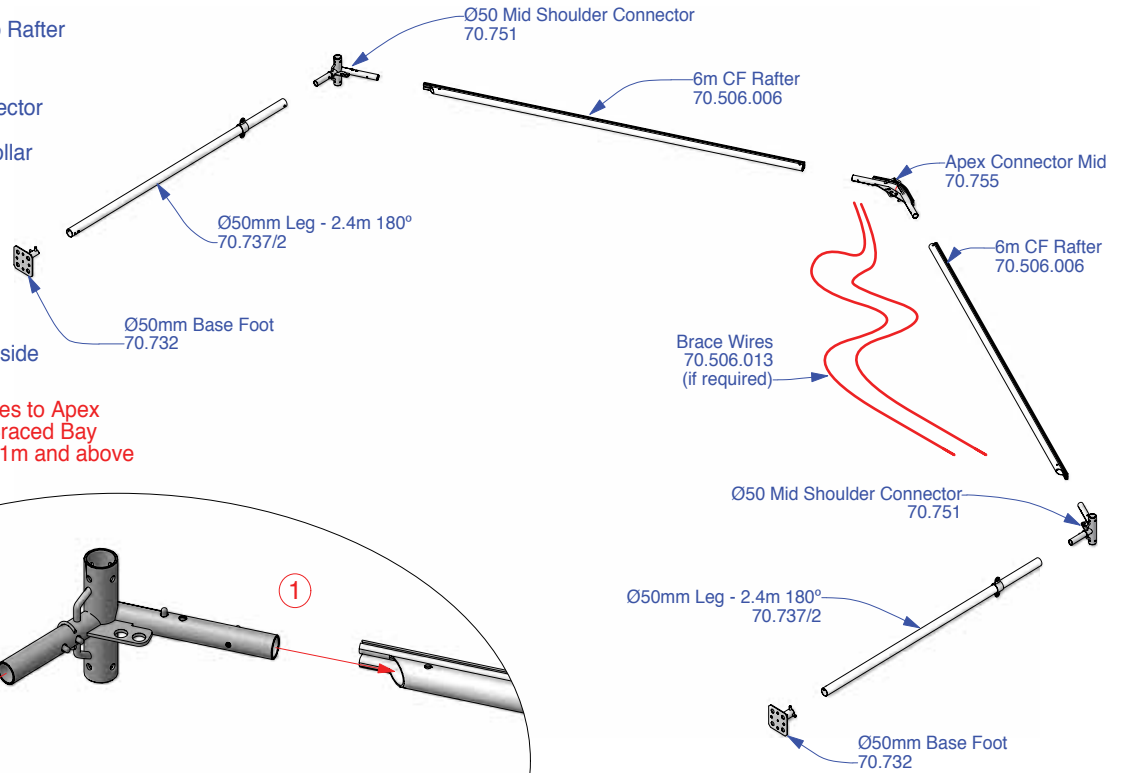
# 6m CLIPFRAME HIP END

## Mid Portal Layout



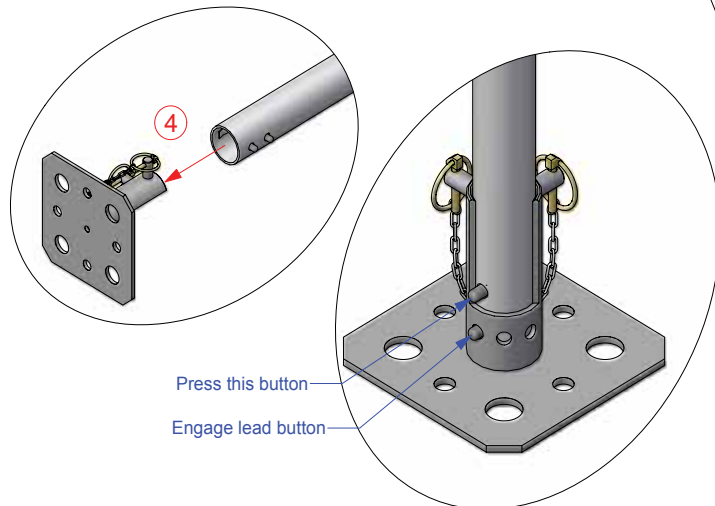
### Assemble Mid Portal

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. Shackle 2 Roof Brace Cables to Apex  
if Portal is adjacent to a Braced Bay  
-Note: Only required on 6m x 21m and above  
refer table page 15

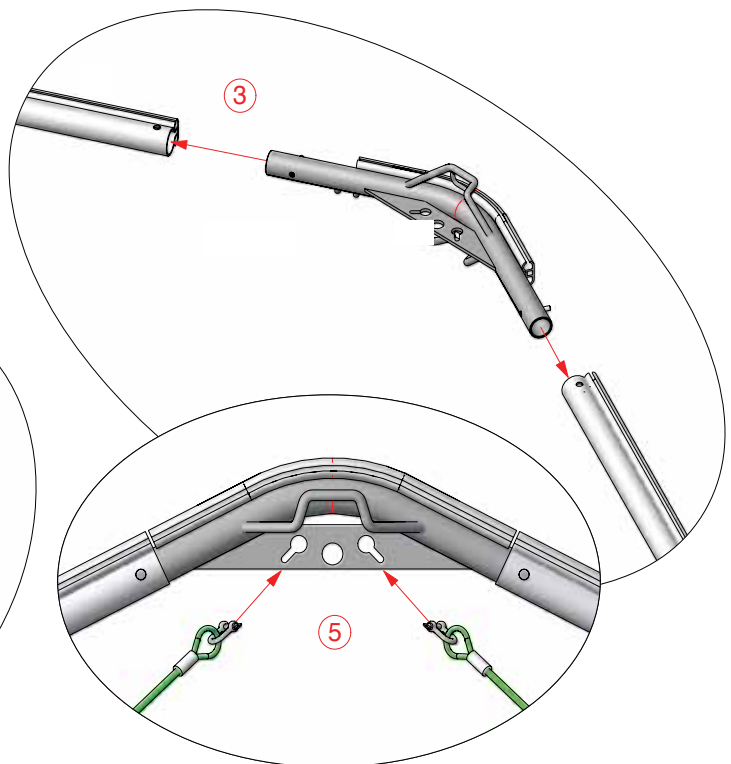


Engage lead button  
Press this button

Press and engage this button



Press this button  
Engage lead button



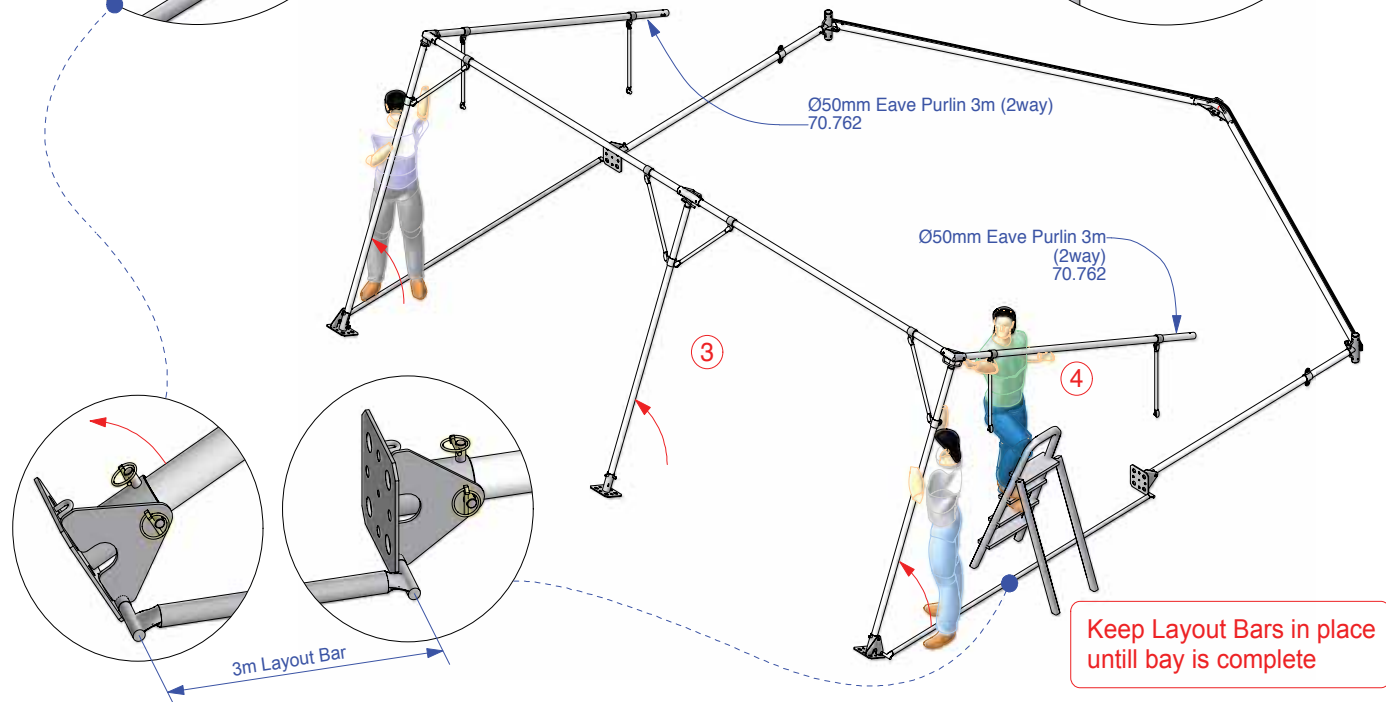
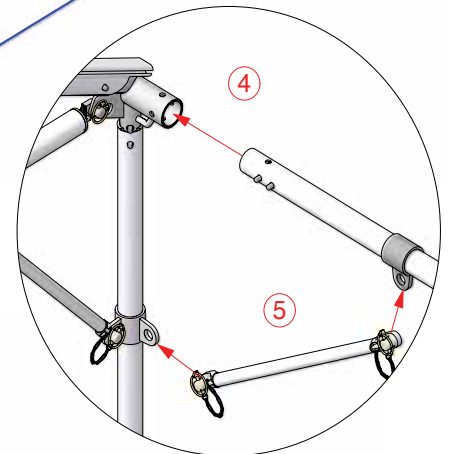
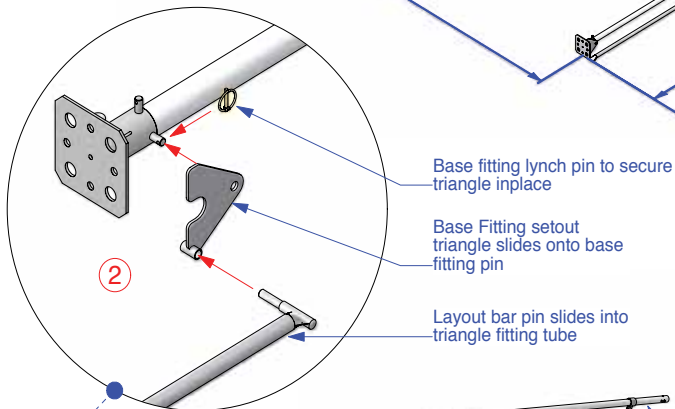
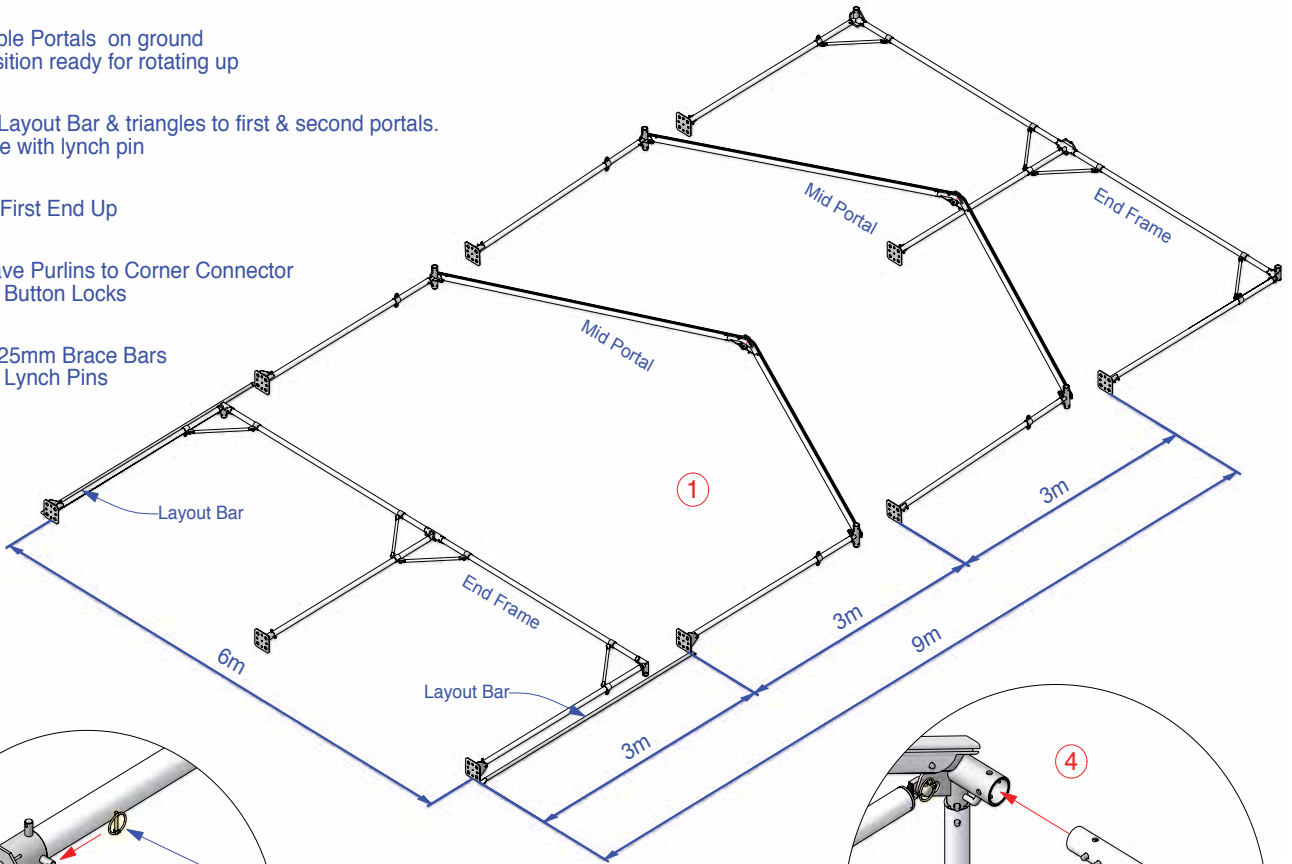


# 6m CLIPFRAME HIP END

## Mid 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

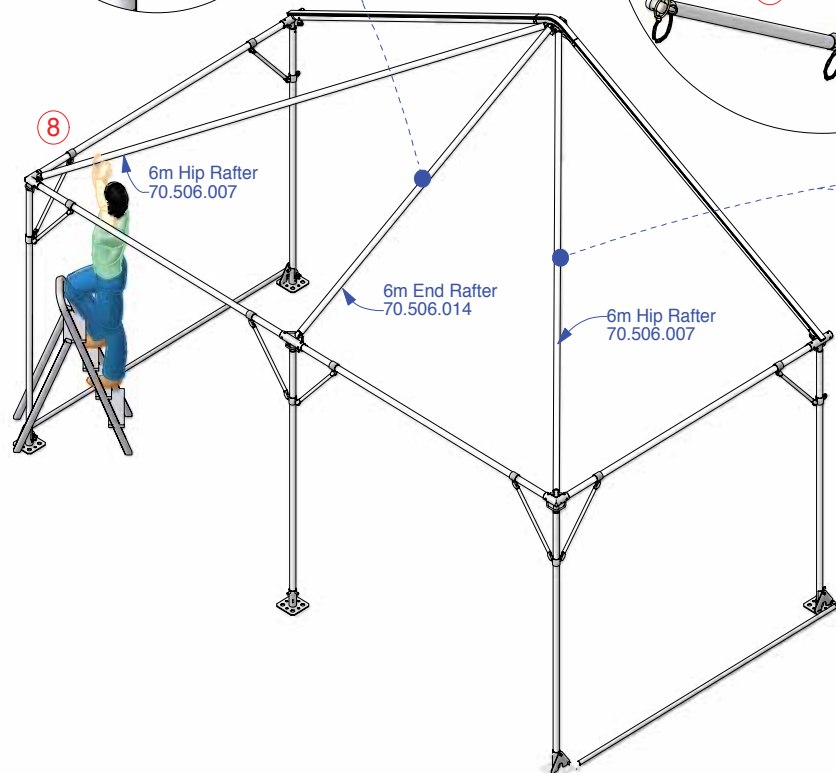
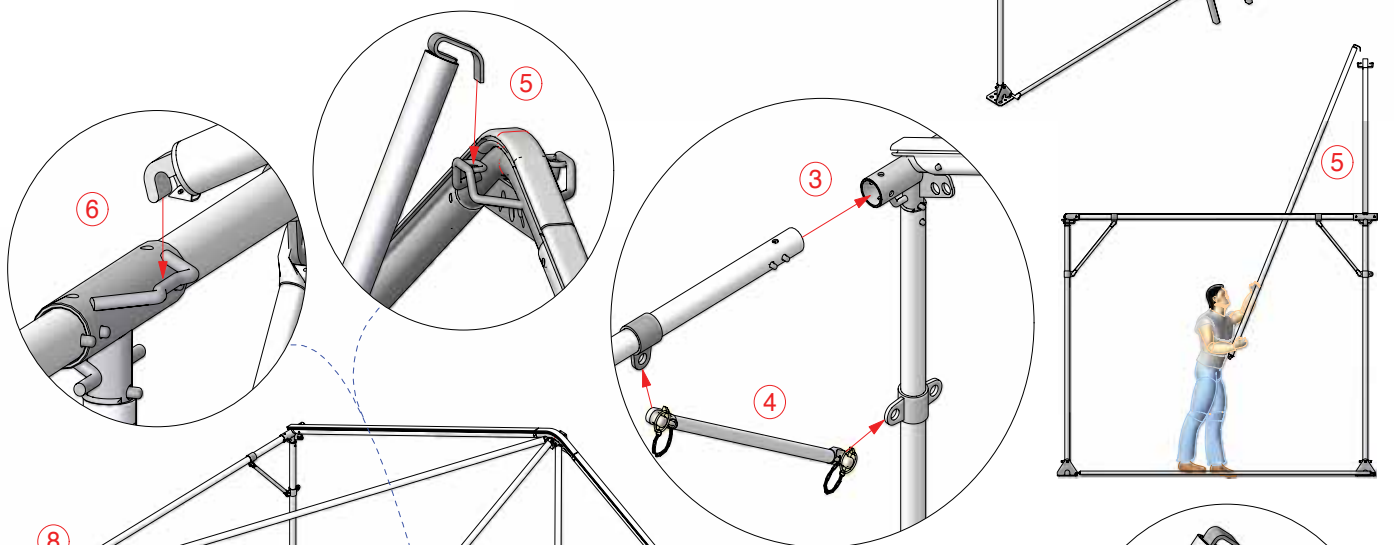
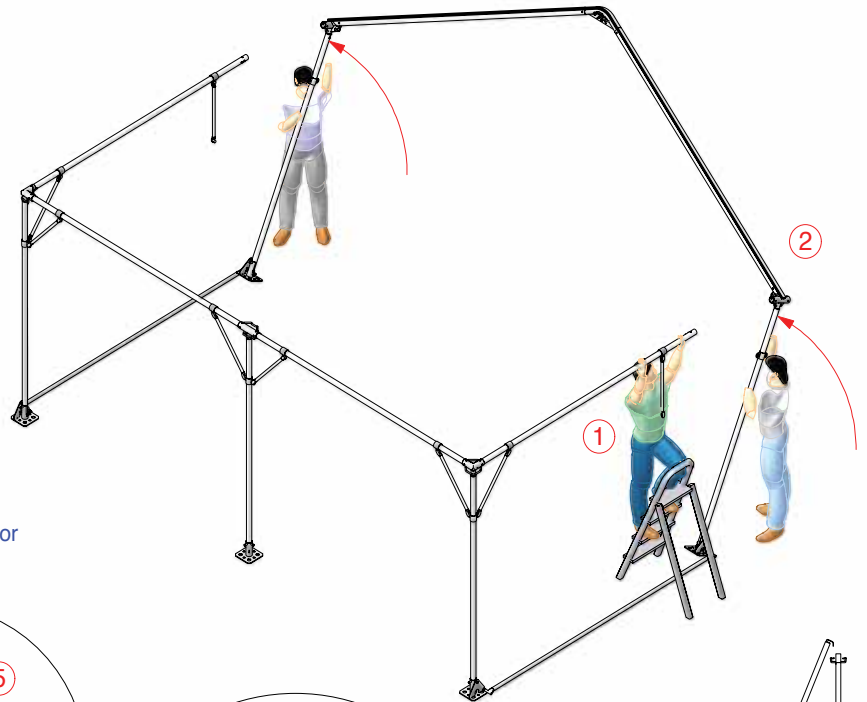


# 6m CLIPFRAME HIP END

## Hip End Portal Layout



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. Hook Hip Rafter onto Mid Portal Apex  
note: curved hook
8. Rotate Hip Rafter up to End Frame Corner Connector  
- Use Clipset

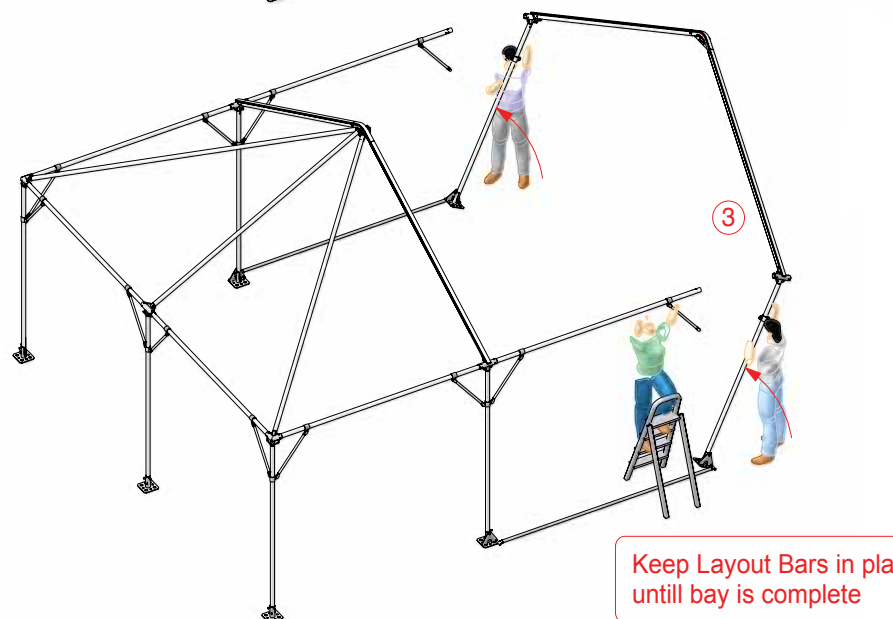
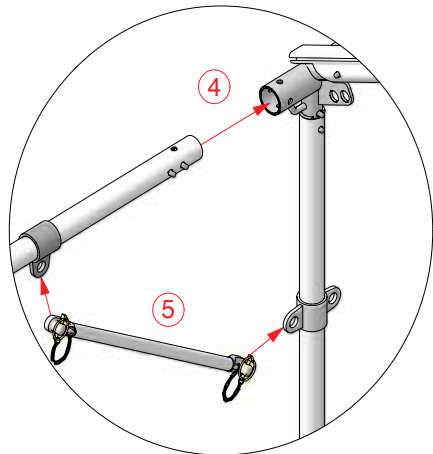
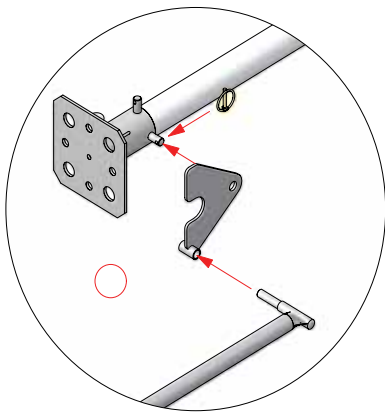
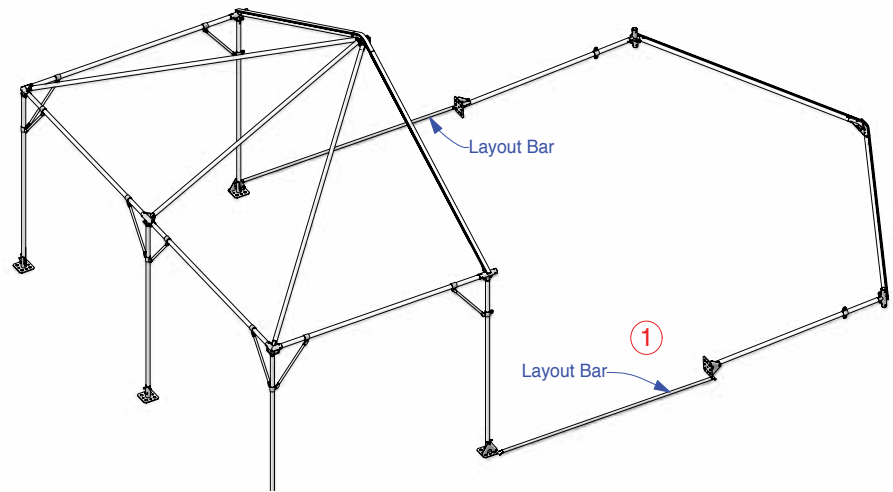


Keep Layout Bars in place until bay is complete

# 6m 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



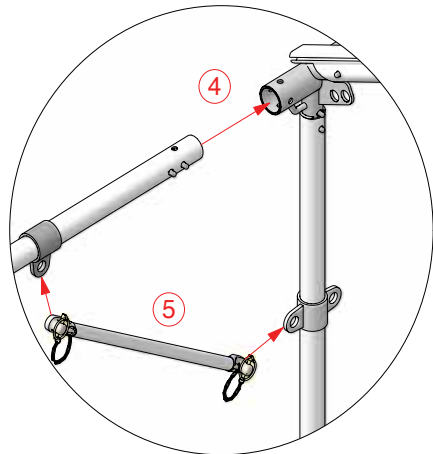
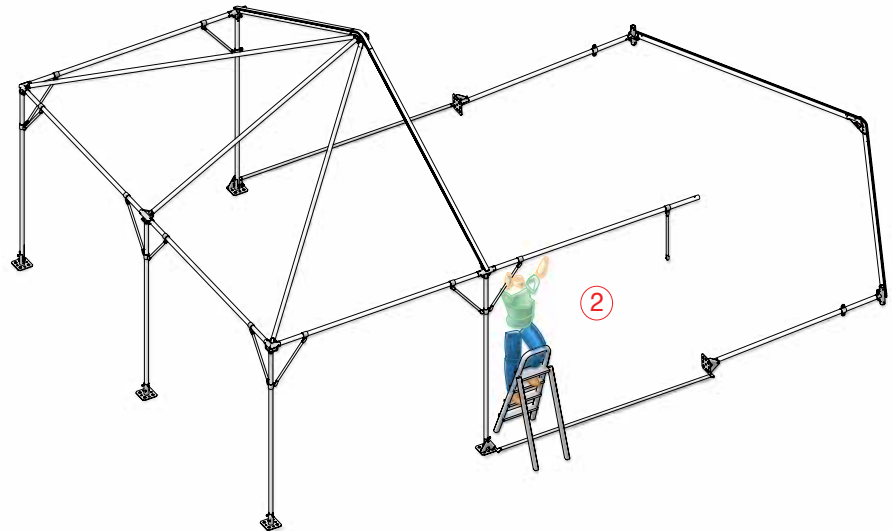
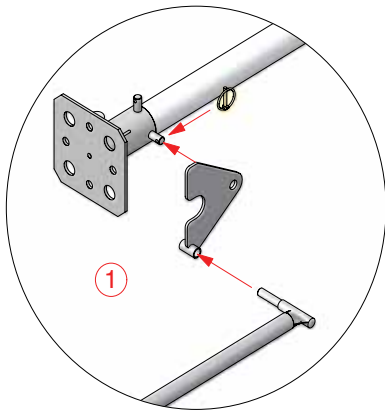
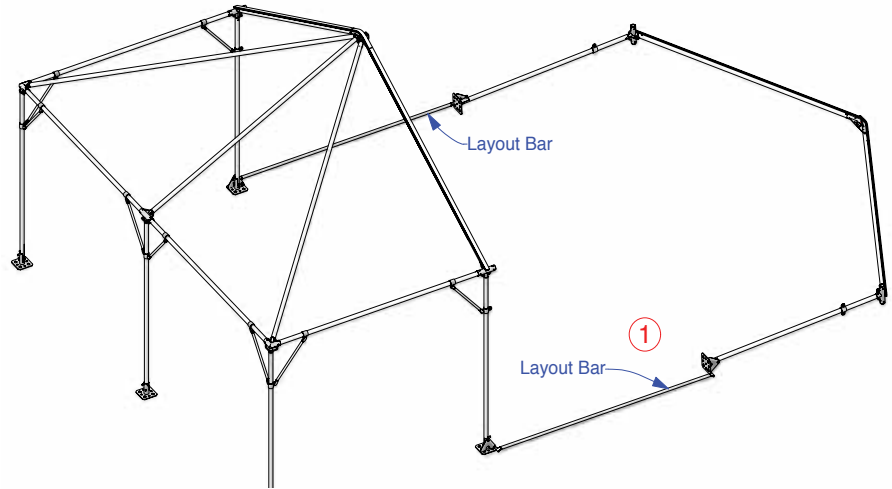
Keep Layout Bars in place  
until bay is complete

# 6m 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



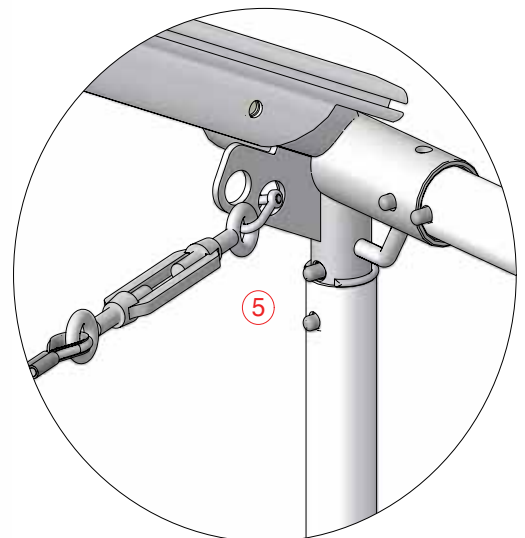
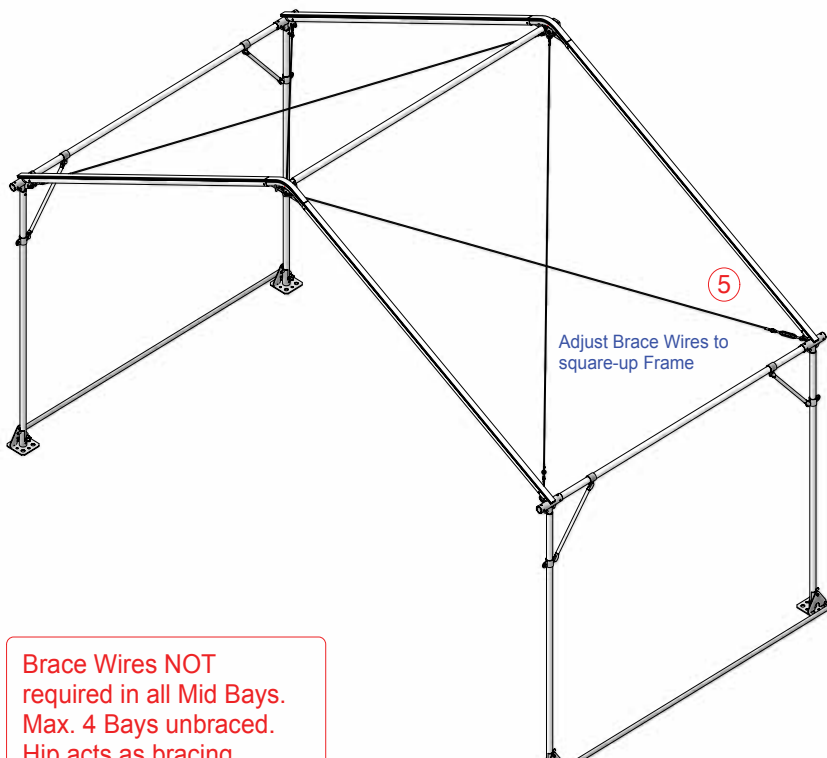
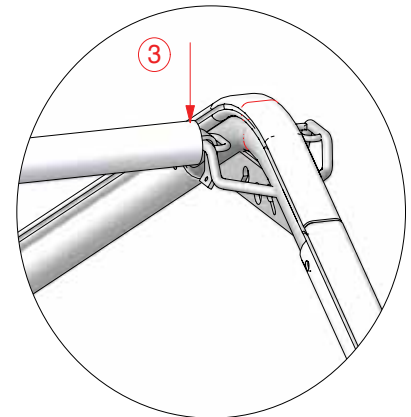
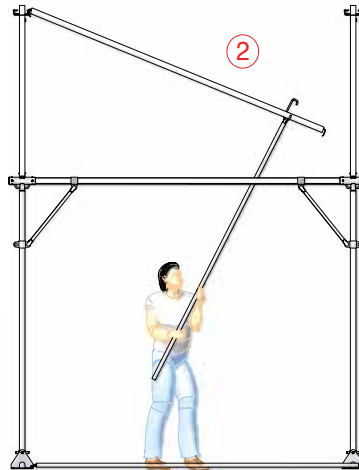
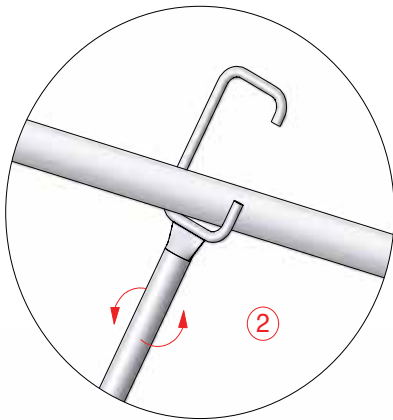
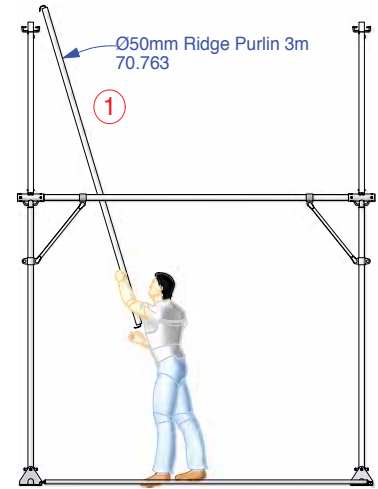
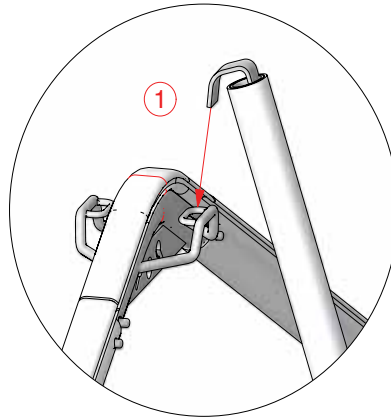
Keep Layout Bars in place until bay is complete

# 6m CLIPFRAME HIP END

## Mid Bay & Brace Wire Installation



1. Hook Ridge Purlin onto First Portal Apex  
note: curved hook
2. Rotate Ridge Purlin up to Second Portal Apex  
- Use Purlin Fork. keep square to purlin  
- twist Purlin Fork to reduce sliding
3. Hook Ridge Purlin into Second Portal Apex  
- Ensure Engaged
5. Attach Roof Brace Wires to Shoulders  
- Use Shackles  
- Do not fully tension turnbuckle until roof fabric is in place.



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

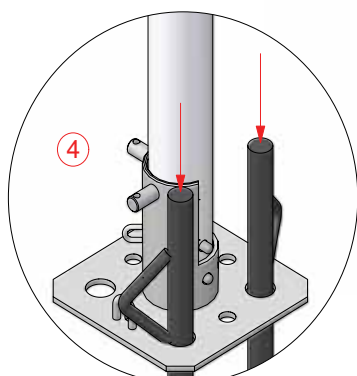
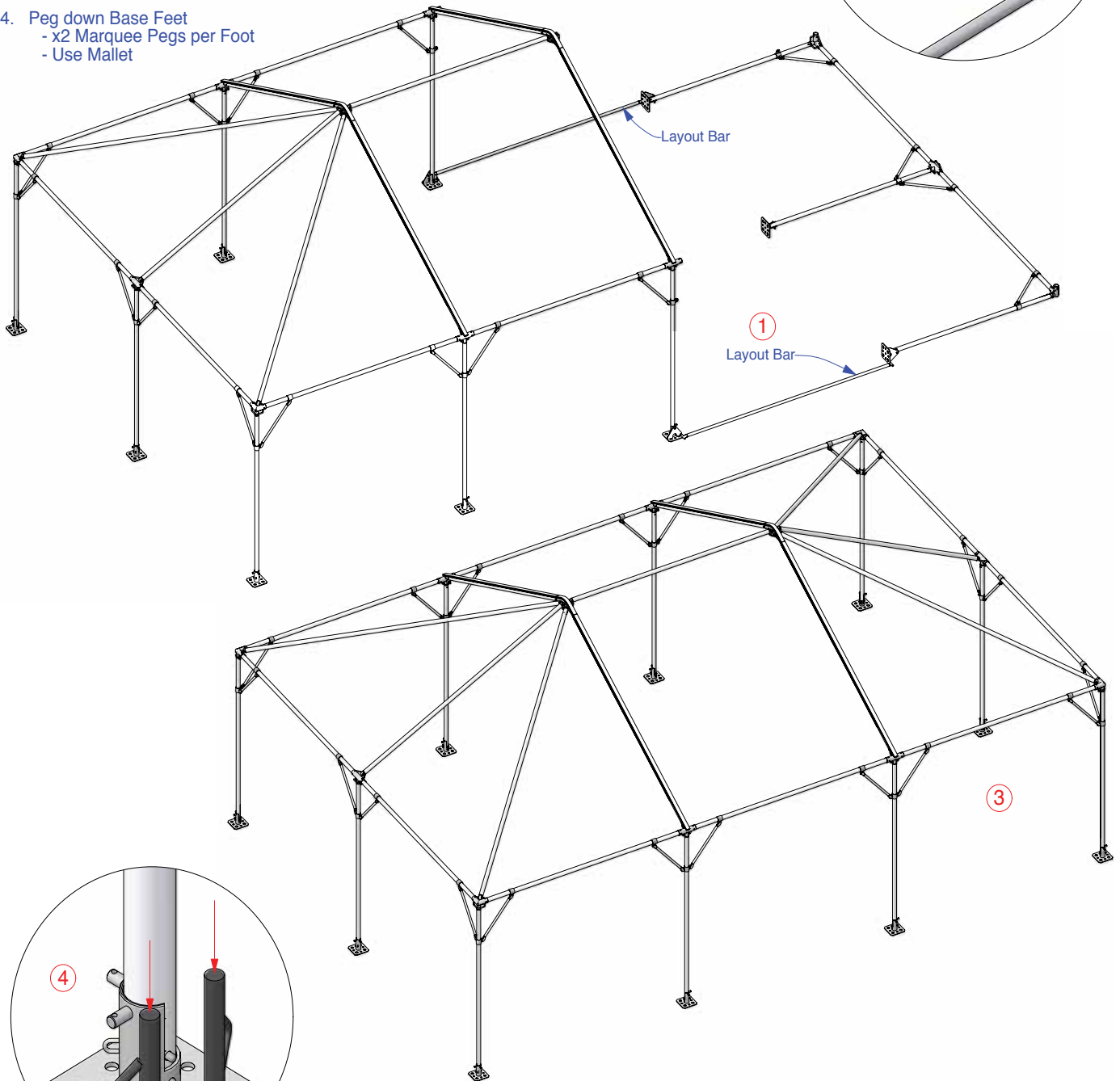
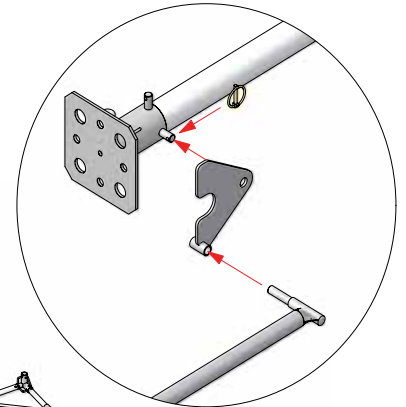
Keep Layout Bars in place until bay is complete

# 6m 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).
4. Peg down Base Feet  
- x2 Marquee Pegs per Foot  
- Use Mallet



Stake or Ballast Frame  
before Fabric Installed

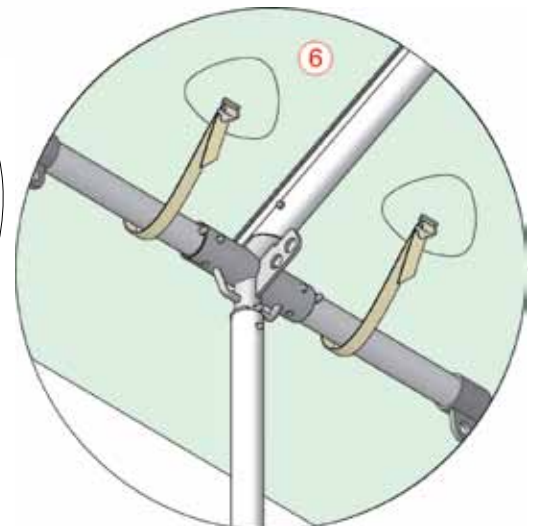
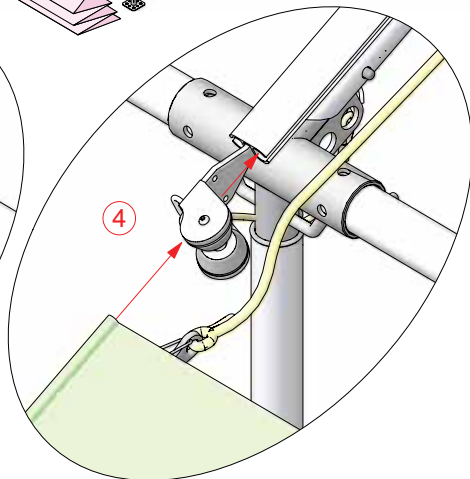
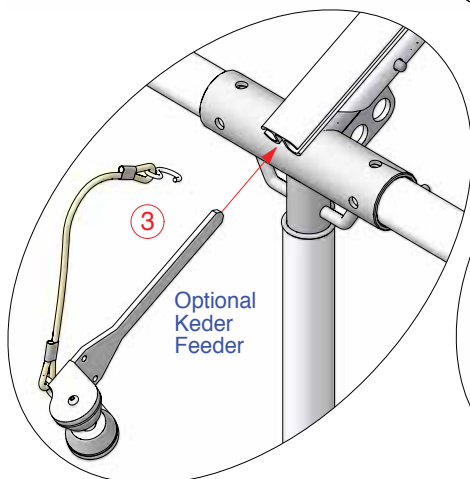
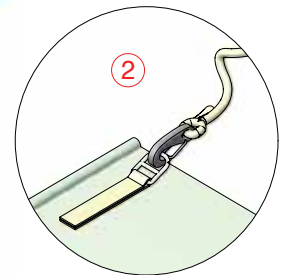
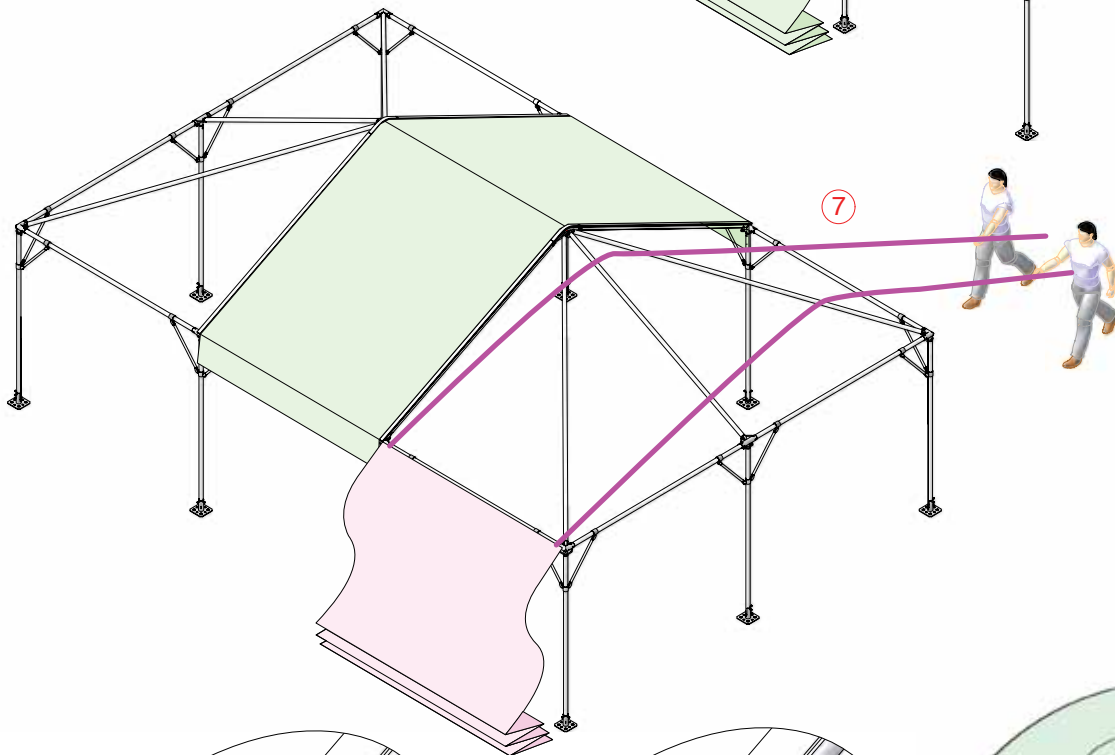
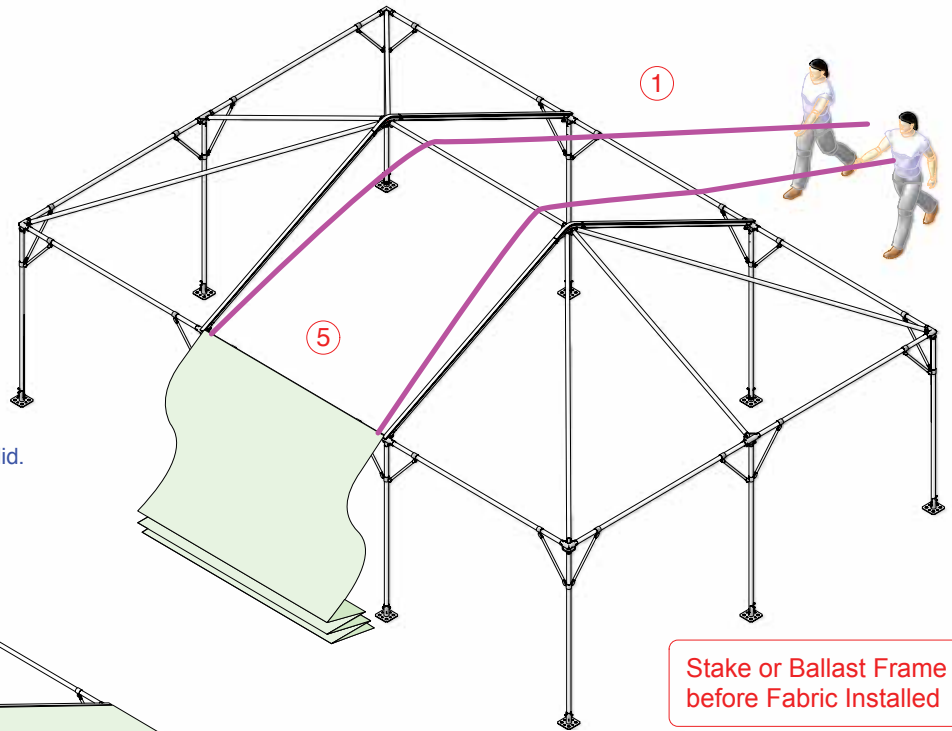
Keep Layout Bars in place  
until bay is complete

# 6m CLIPFRAME HIP END

## 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  
- Use Packlocks
7. Hip End Roof Fabric Installed the same as Mid.  
Ease Fabric over frame if snagged.

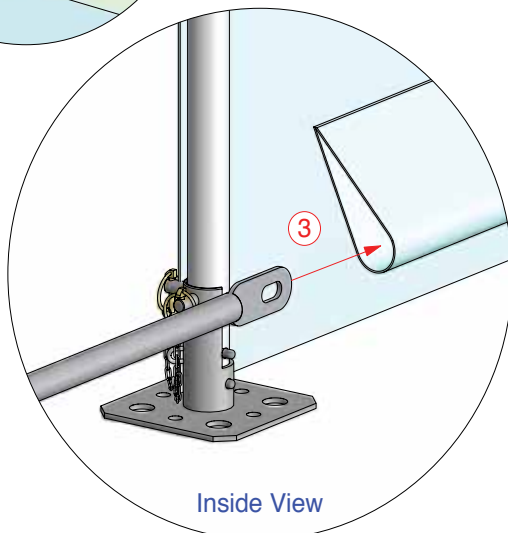
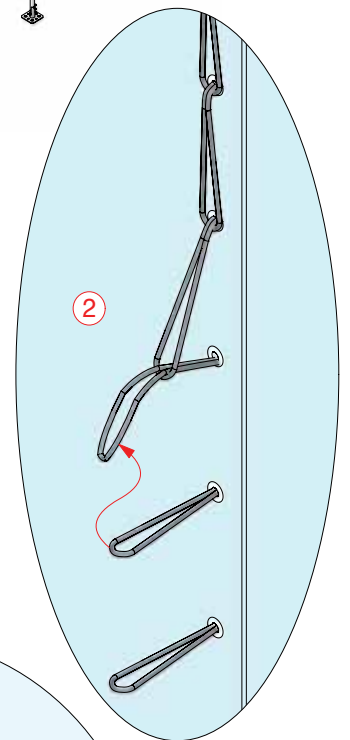
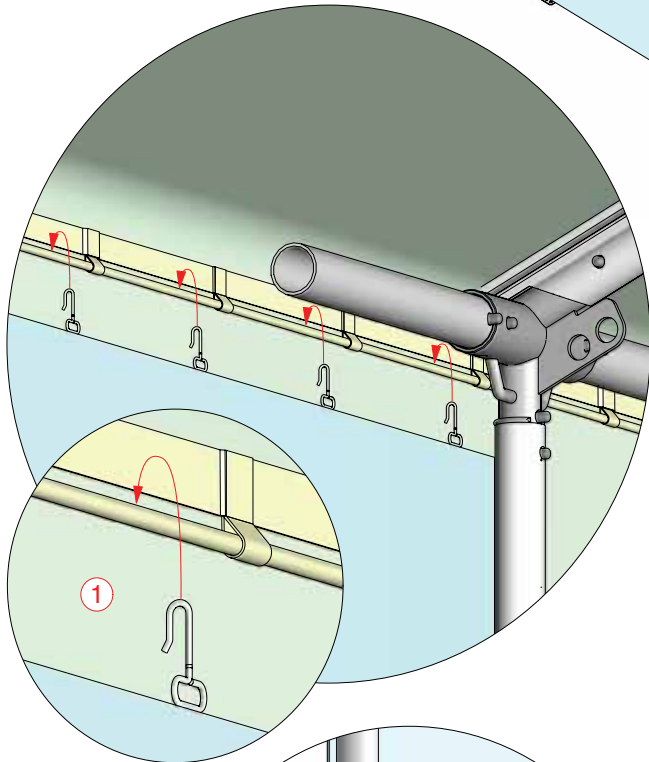
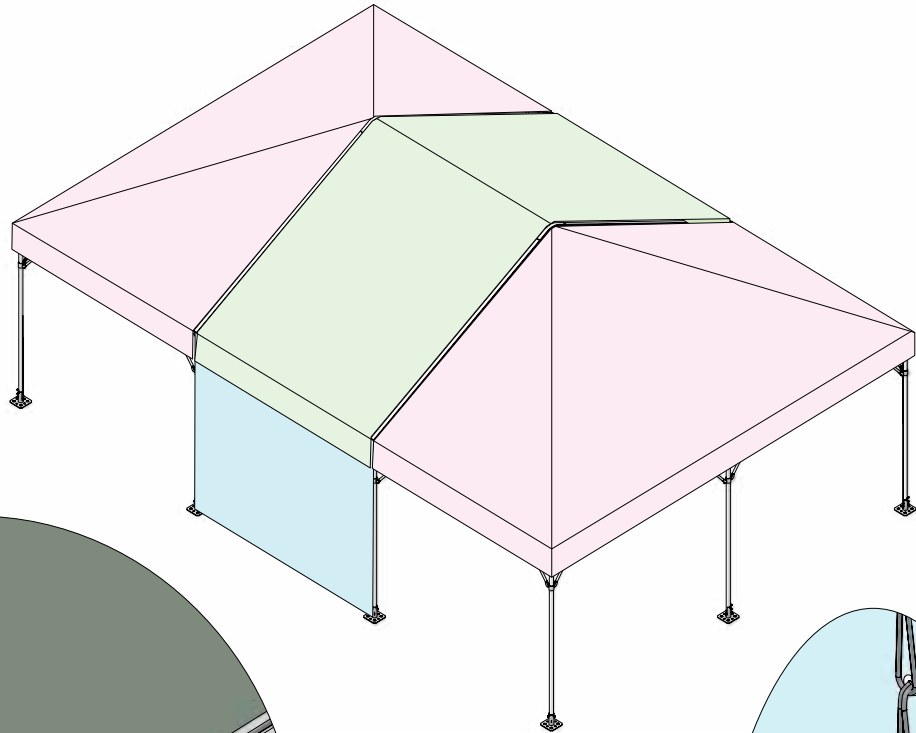


# 6m CLIPFRAME HIP END

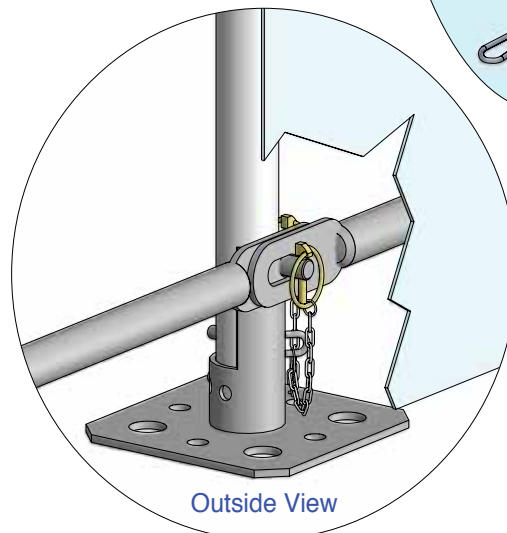
## Wall Fabric Installation



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



# 6m CLIPFRAME HIP END

## Frame Layout examples



### 1. Plan Site Layout, Marquee Length and bays to be braced

#### General Rules

- Hip End each end Bay (Red)
- Mid portals & Mid Bays in between (Black)
- Hip End Acts as bracing bay.
- Maximum 4 bays unbraced in succession.

