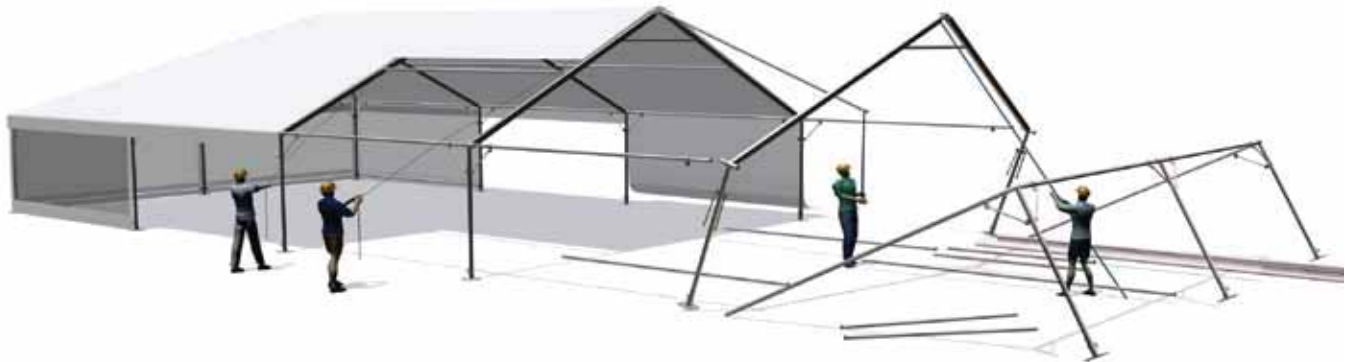


10m CLIPFRAME GABLE END

Assembly Instructions



SIMPLICITY · PERFORMANCE · STYLE

New Zealand

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

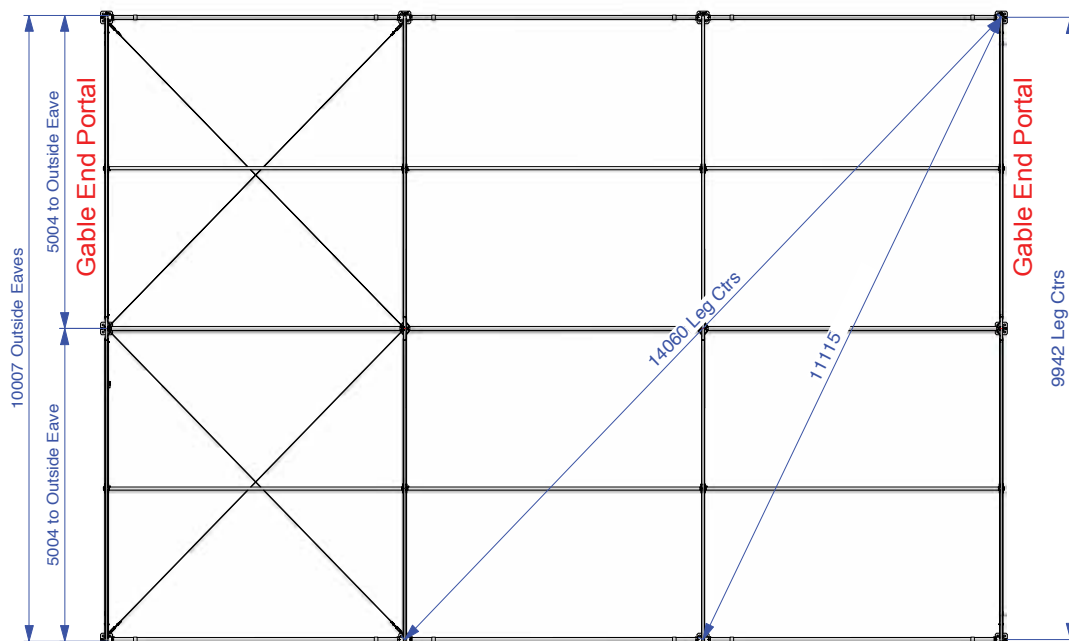
tel +64 7 579 0190
fax +64 7 579 0194
www.baytex.co.nz

Australia

tel 02 4340 4144
mob 0400 312 314

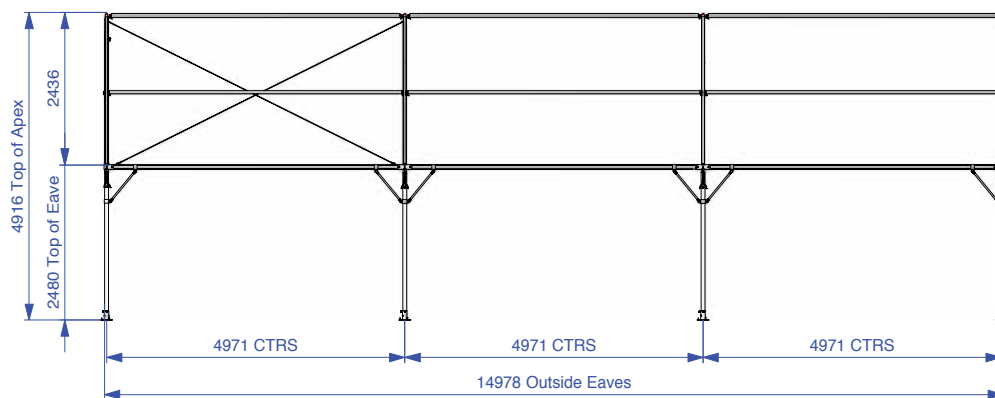
10m CLIPFRAME GABLE END

Assembly Instructions



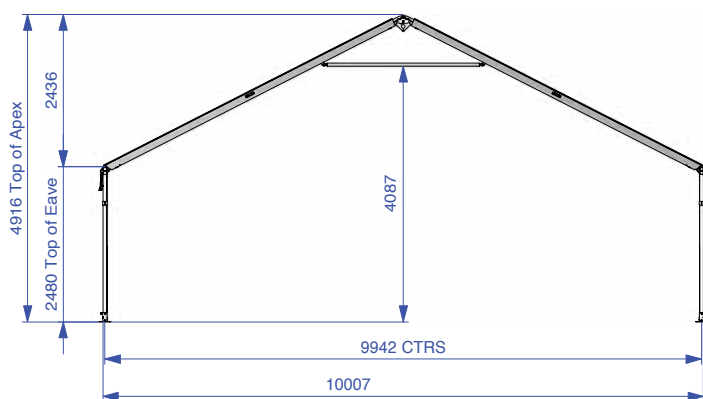
003/1 Plan View

Scale 1:85



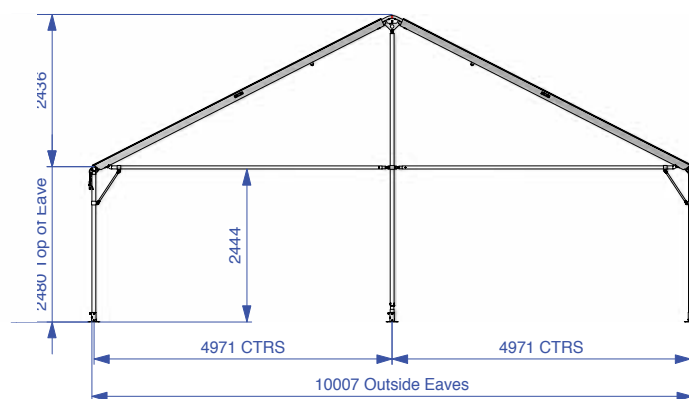
003/2 Side View

Scale 1:85



003/3 Mid Portal

Scale 1:85



003/4 Gable End Portal

10m CLIPFRAME GABLE END

Parts List



End Bays Hardware List

Ref.	Part Name	Qty	Part Number
1	Apex Connector GE - Channel Tube 26°	2	70.707
2	Apex Connector Mid - Channel Tube 26°	1	70.707
3	Ø65 Corner Connector LH 26°	2	70.845
4	Ø65 Corner Connector RH 26°	2	70.846
5	Ø65 Shoulder Connector 26°	2	70.840
6	Tensioner Set	8	
a	- (x1) 16mm Reid Bar Nut	-	70.841
b	- (x1) Tensioner Hook	-	72.716
c	- (x1) Tensioner Bracket Hook Rod	-	72.716
7	10m Side Rafter - Channel Tube	6	70.510.006
8	Ø 65 Ridge Purlin 5m	2	70.788
9	Ø 50 Intermediate Purlin 5m	4	70.792
10	Ø 65 Eave Purlin 5m (2 Way)	4	70.787
11	10m Ø 50 Gable End Adjustable Eave	4	70.510.018
12	Base Rail - 4.97m	8	70.785
13	Ø 25 Brace bar	12	70.742
14	10m Apex Brace	1	70.510.016
15	Ø65 Leg - 2.4m, 90°	4	70.782
16	Ø65 Leg - 2.4m, 180°	2	70.783
17	10m Gable End Upright Set - 2.4m Leg	2	
a	- (x1) 10m Gable Upright Leg, and	-	70.510.018
b	- (x1) Ø65mm Adjustable Leg Base, and	-	70.797
c	- (x1) Tractor Clip (AG272)	-	-
18	Ø 65mm Base Foot	8	70.741
19	Roof Brace Cable Set	1	70.510.023

End Bays Fabric List

A	10m x 5m Mid Roof	2	70.310.660
B	10m Gable End Roof (4 Pieces)	1	70.310.630
C	5m x 2.4m Wall	8	60.025

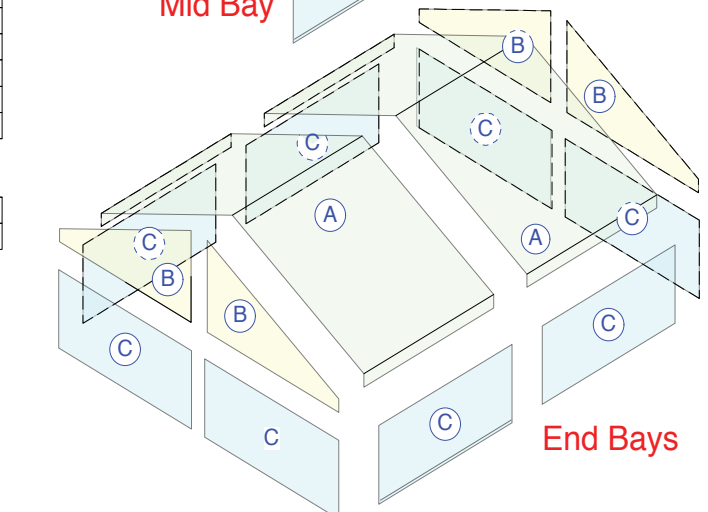
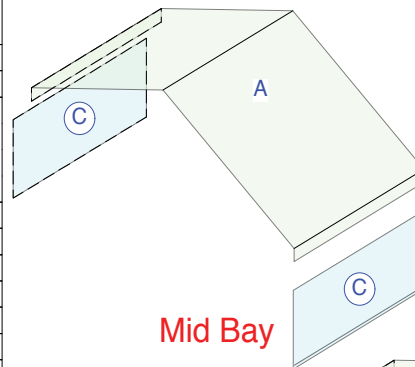
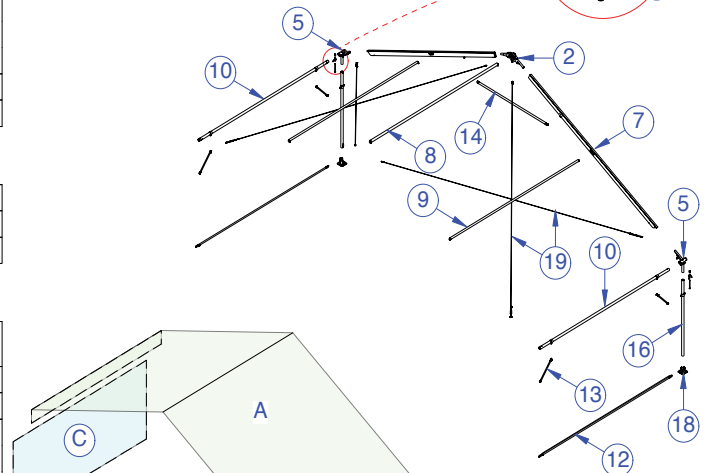
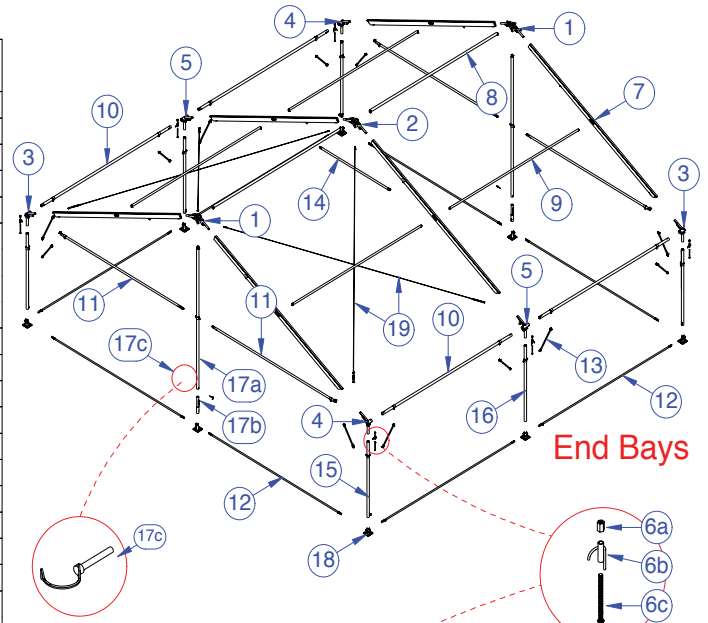
Mid Bay Hardware List

(Bay Quantity = 1)

Ref.	Part Name	Qty	Part Number
2	Apex Connector Mid - Channel Tube 26°	1	70.707
5	Ø65 Shoulder Connector 26°	2	70.840
6	Tensioner Set	2	
a	- (x1) 16mm Reid Bar Nut	-	70.841
b	- (x1) Tensioner Hook	-	72.716
c	- (x1) Tensioner Bracket Hook Rod	-	72.716
7	10m Side Rafter - Channel Tube	2	70.510.006
8	Ø 65 Ridge Purlin 5m	1	70.788
9	Ø 50 Intermediate Purlin 5m	2	70.792
10	Ø 65 Eave Purlin 5m (2 Way)	2	70.787
12	Base Rail - 4.97m	2	70.785
13	Ø 25 Brace bar	4	70.742
14	10m Apex Brace	1	70.510.016
16	Ø65 Leg - 2.4m, 180°	2	70.783
18	Ø 65mm Base Foot	2	70.741
19	Roof Brace Cable Set	0	70.510.023

Mid Bay Fabric List

A	10m x 5m Mid Roof	1	70.310.660
C	5m x 2.4m Wall	2	60.025



10m CLIPFRAME GABLE END

Parts List



1. Apex Connector GE - Channel Tube 26°

- To use with Channel Tube rafter



2. Apex Connector Mid - Channel Tube 26°

- To use with Channel Tube rafter



3. Ø65 Gable Connector LH 26°

- To use with Channel Tube rafter and Ø65mm Leg



4. Ø65 Gable Connector RH 26°

- To use with Channel Tube rafter and Ø65mm Leg



5. Ø65 Shoulder Connector 26°

- To use with Channel Tube rafter and Ø65mm Leg

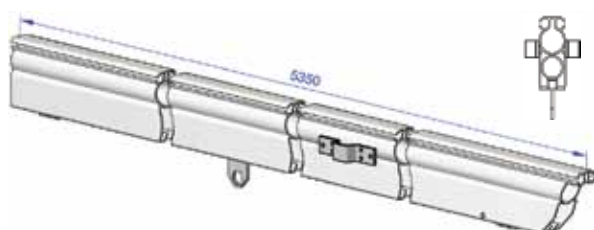


6. Tensioner Set

- Includes: (x1) 16mm Reid Bar Nut, (x1) Tensioner Hook
(x1) Tensioner Hook Adjuster



7. 10m Side Rafter - Channel Tube



8. Ø 65 Ridge Purlin 5m

- 5m Bay



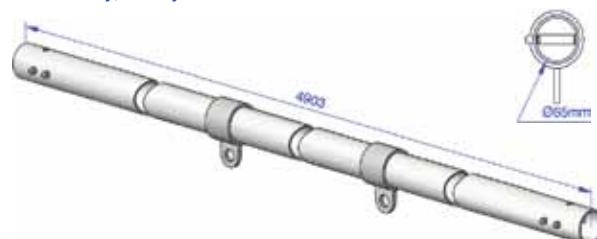
9. Ø 50 Intermediate Purlin 5m

- 5m Bay



10. Ø 65 Eave Purlin 5m (2 Way)

- - 5m Bay, 2 way Brace Collar



10m CLIPFRAME GABLE END

Parts List

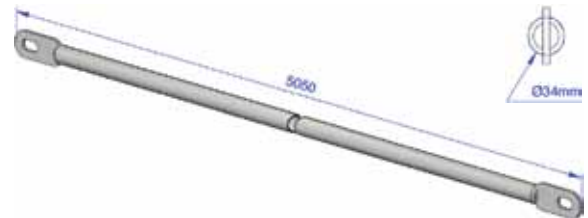


11. 10m Ø 50 Gable End Adjustable Eave

- Includes: (x1) Gable End Eave Bar, (x1) Adjustable Eave Joint, (x1) M8 x 60 Hex Setscrew (x1) M8 Nyloc Nut, (x1) Lynch Pin, (x1) Tractor Pin (x1) Key Ring & Chain Set



12. Base Rail - 4.97m



13. Ø 25 Brace bar

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



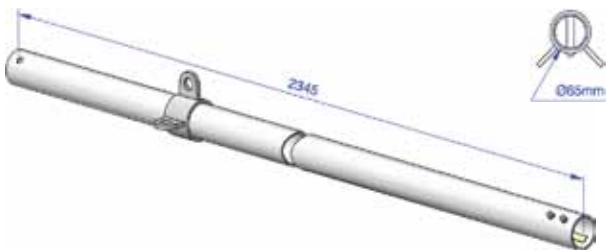
14. 10m Apex Brace

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



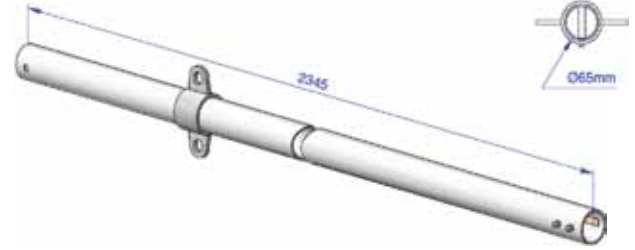
15. Ø65 Leg - 2.4m, 90°

- 90° Brace Collar



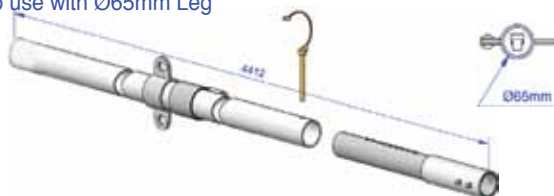
16. Ø65 Leg - 2.4m, 180°

- 180° Brace Collar



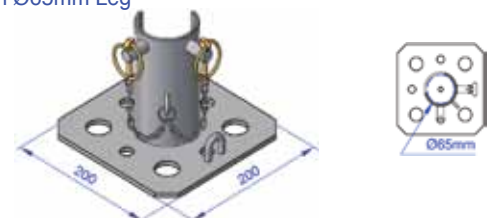
17. 10m Gable End Upright Set - 2.4m Leg

- Includes: (x1) Gable Upright Leg, (x1) Adjustable Leg Base, (x1) Lynch Pin, (x1) Tractor Clip (x1) Key Ring & Chain Set
- To use with Ø65mm Leg



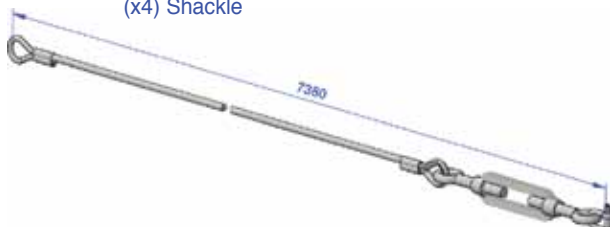
18. Ø 65mm Base Foot

- Includes: (x1) Base Fitting, (x2) Lynch Pin, (x1) Key Ring & Chain Set
- To use with Ø65mm Leg



19. Roof Brace Cable Set

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

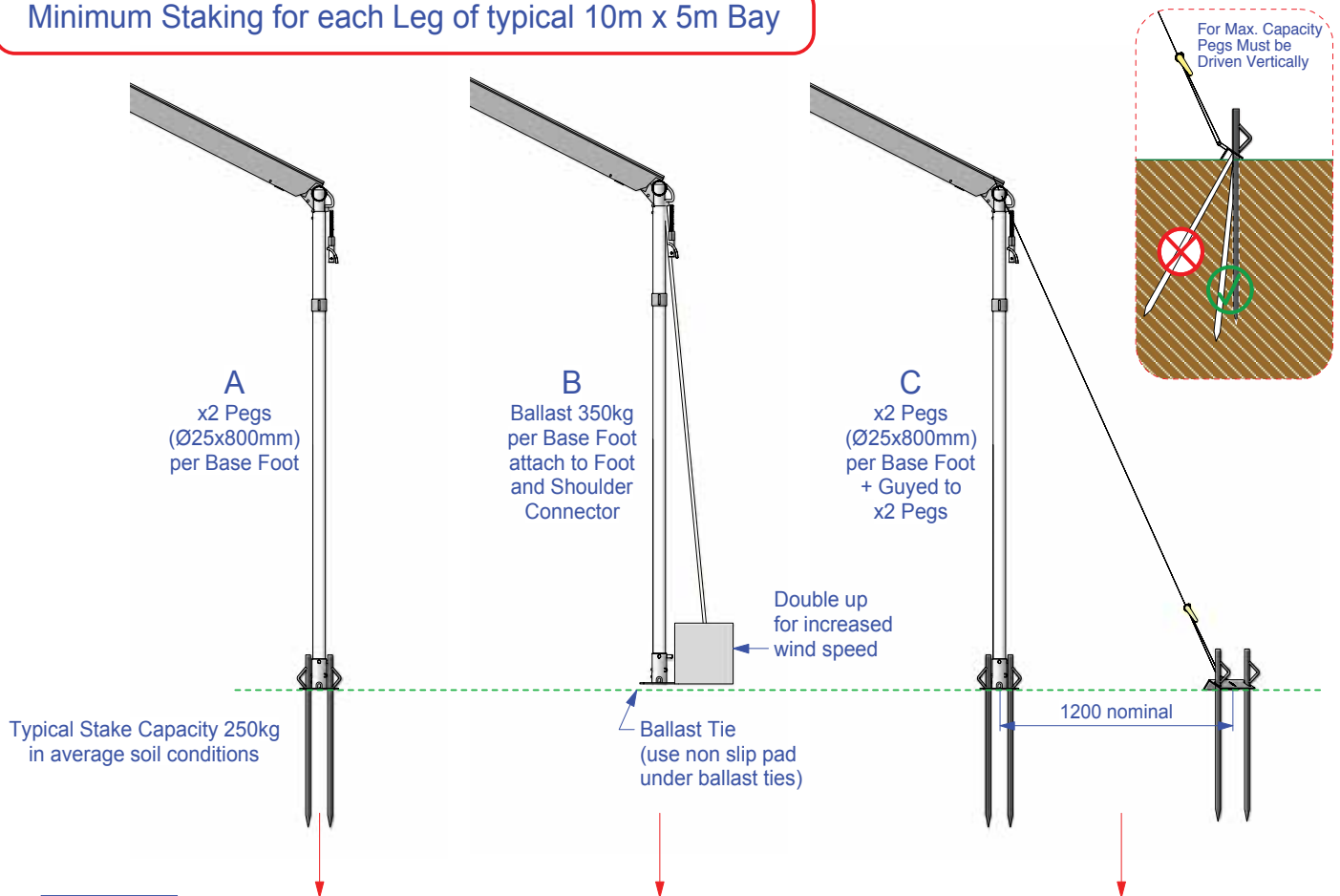


10m CLIPFRAME GABLE END

Staking / Ballasting Options



Minimum Staking for each Leg of typical 10m x 5m Bay



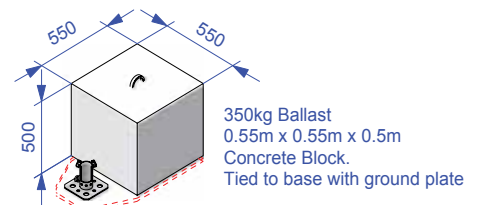
Wind Speed

	A		B			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		
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					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.



10m CLIPFRAME GABLE END

Gable End Frame Portal Assembly



Assemble Gable Portal

1. Join Shoulder Connector to Rafter
- Use Button Lock
note: Left & Right Shoulders for Gable Portal

2. Join Leg to Shoulder Connector
- Use Button Lock
note: corner leg has 90° collar

3. Join Rafters to Apex
- Use Button Lock
note: Gable End Apex

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

5. Join Gable Upright to Apex
- Use Lynch Pin

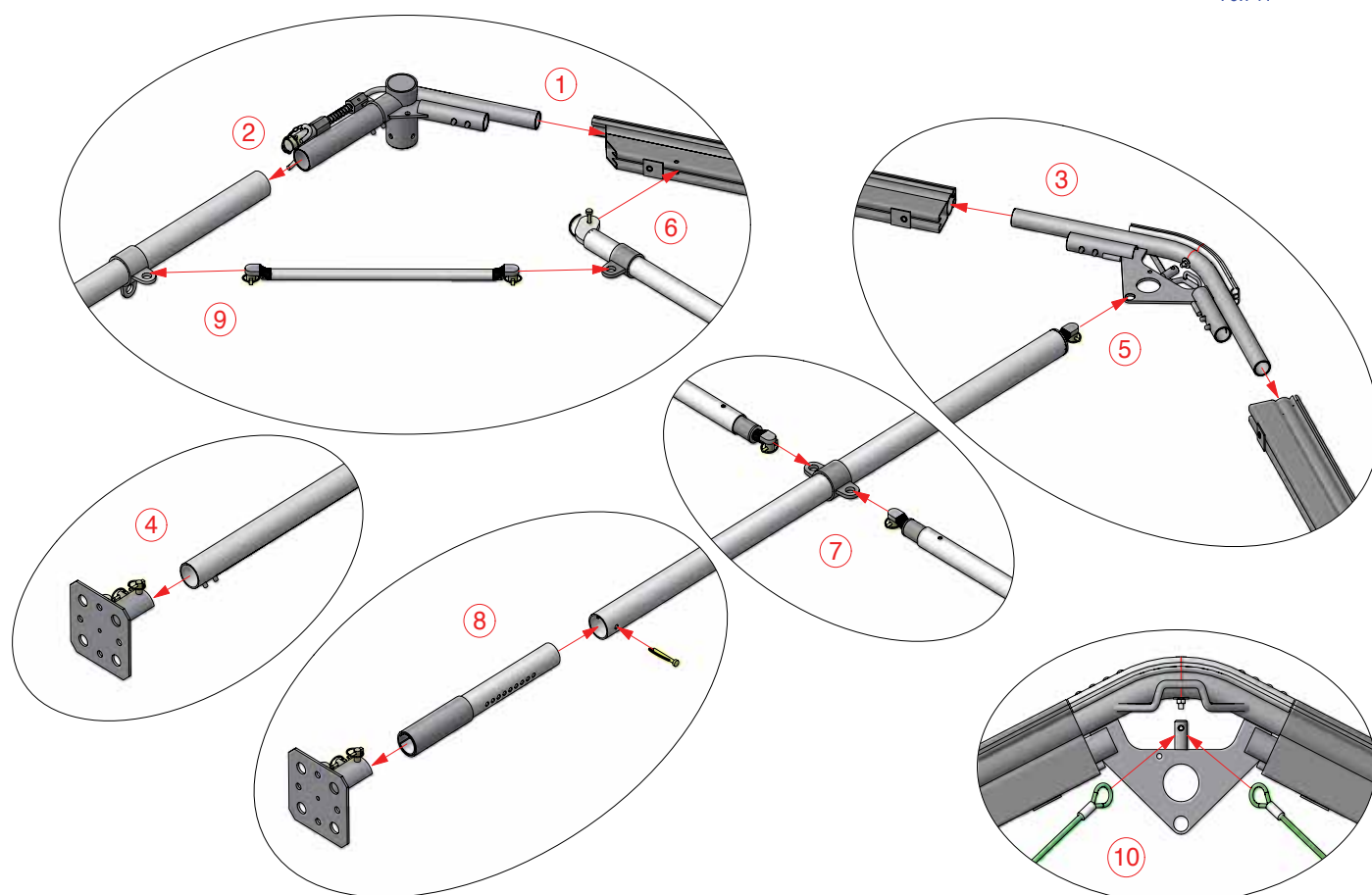
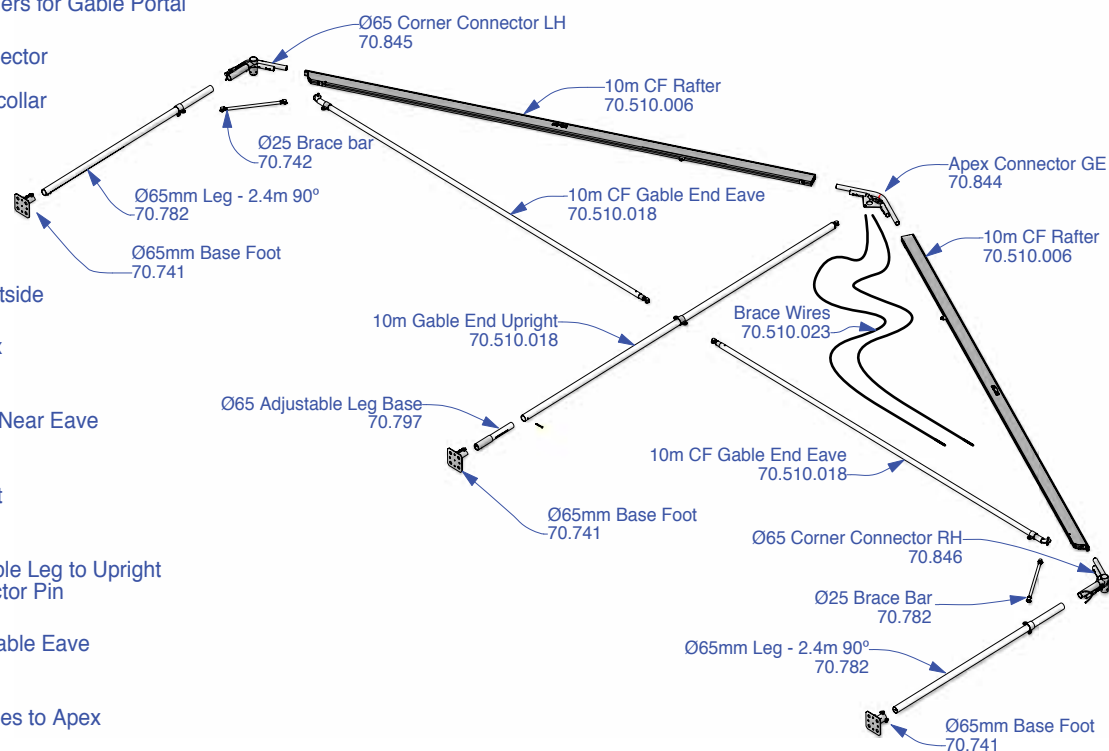
6. Join Gable Eave to Rafter Near Eave
- Use Tractor Pin

7. Join Gable Eave to Upright
- Use Lynch Pin

8. Join Base Plate & Adjustable Leg to Upright
- Use Button Lock & Tractor Pin

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

10. Attach 2 Roof Brace Cables to Apex



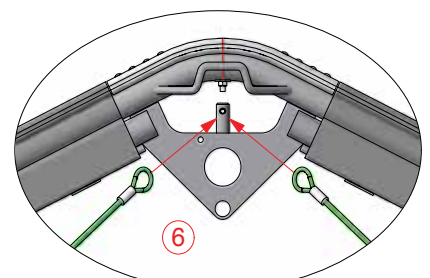
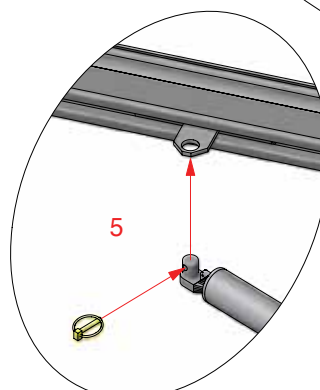
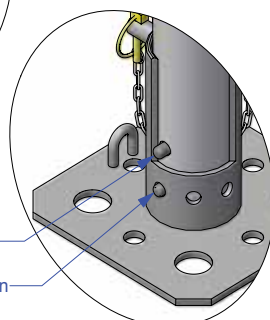
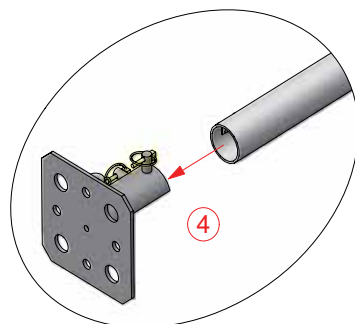
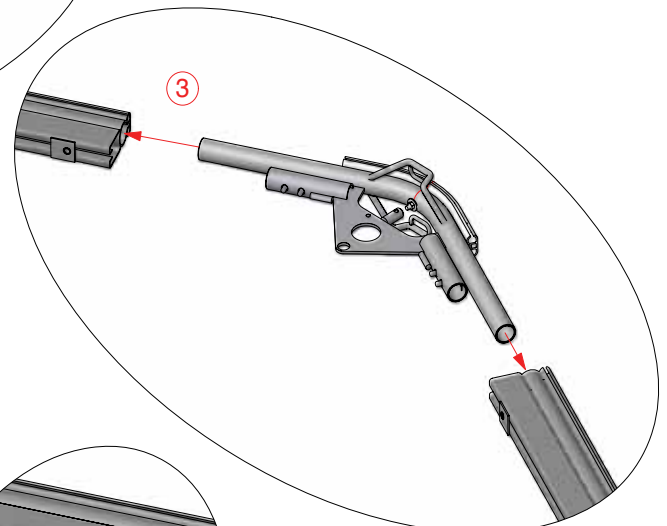
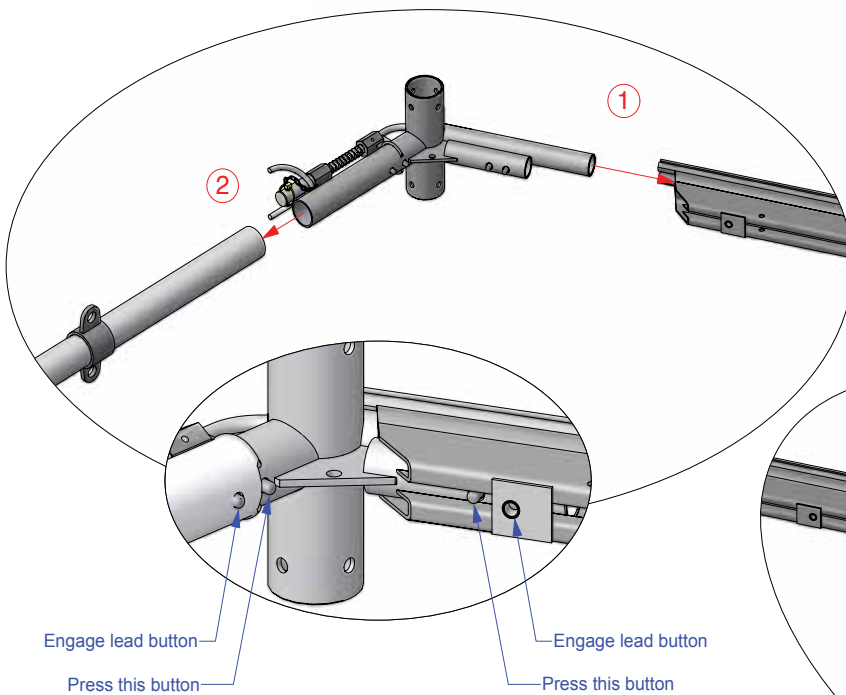
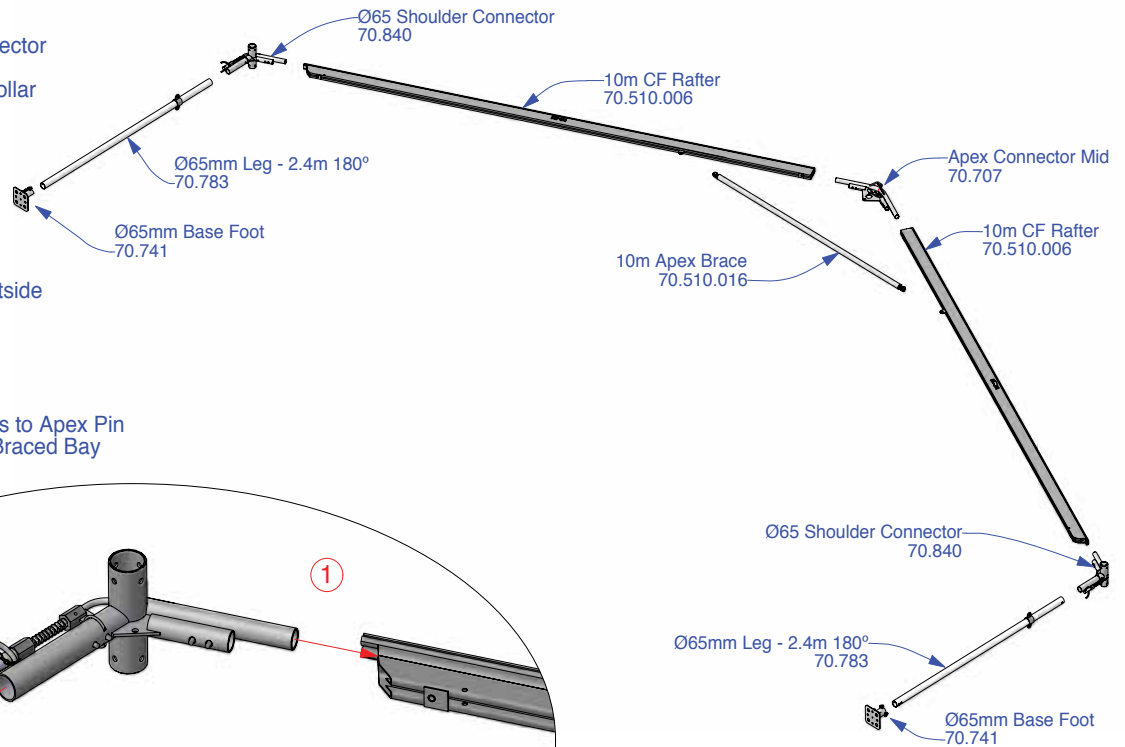
10m CLIPFRAME GABLE END

Mid Frame Portal 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

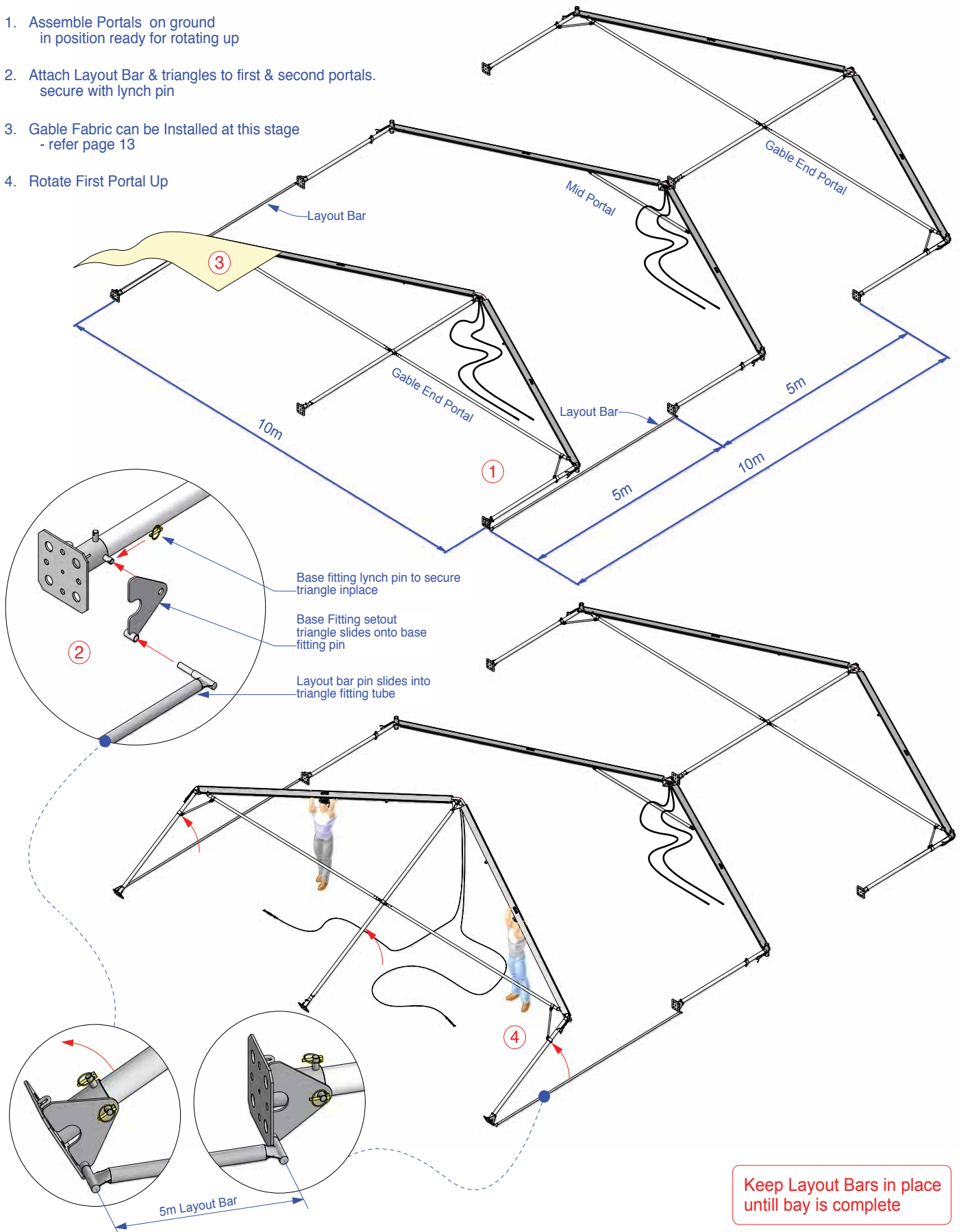


10m CLIPFRAME GABLE END

Portal Layout



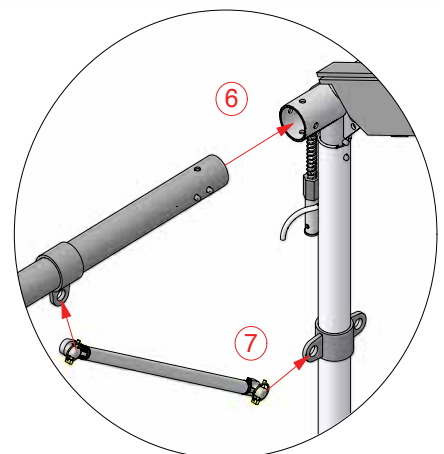
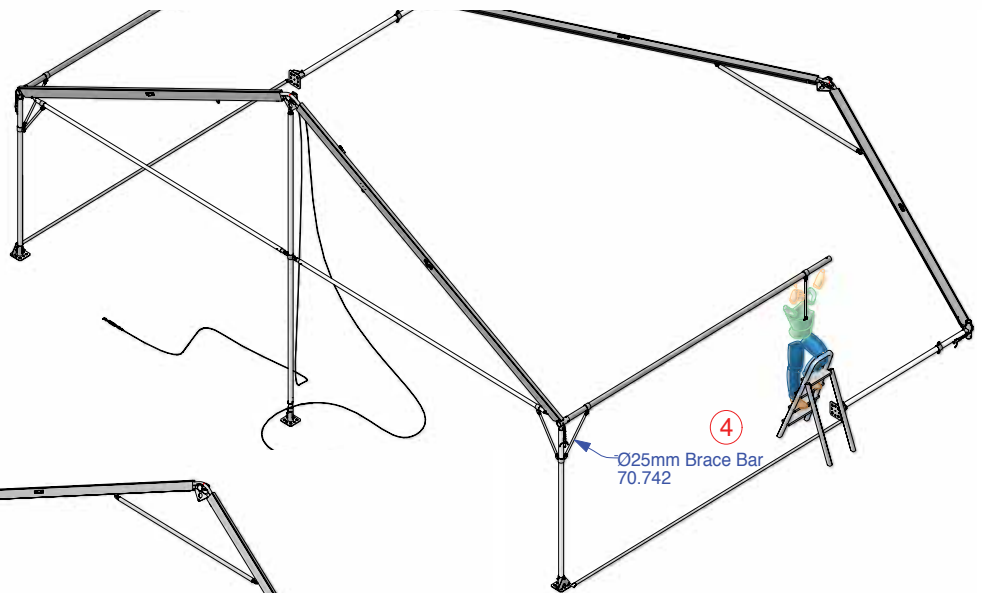
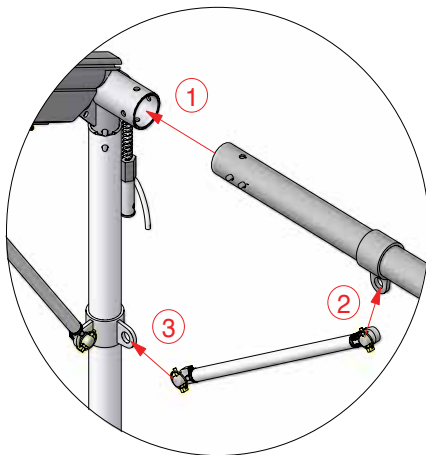
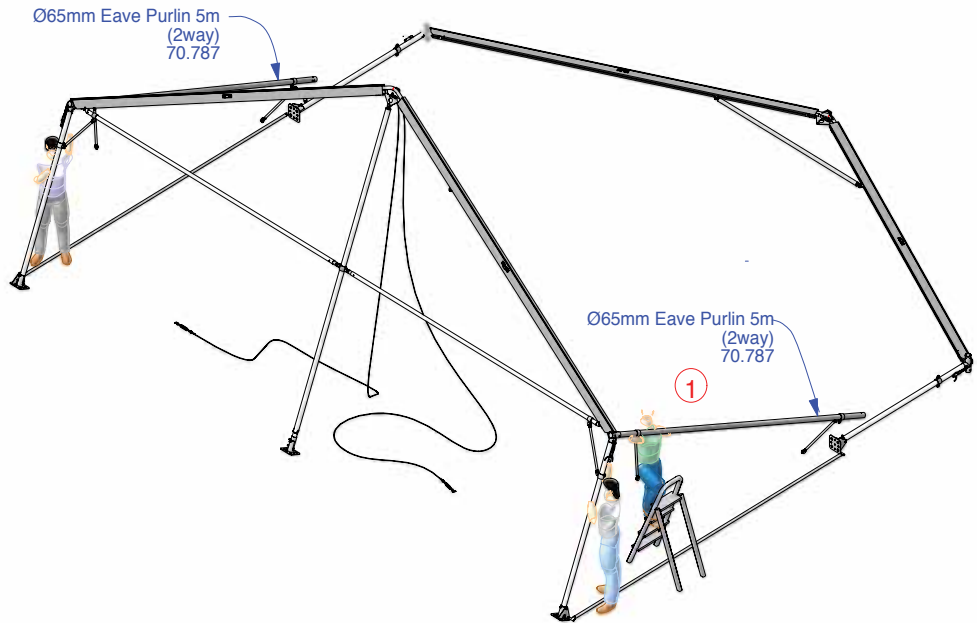
1. Assemble Portals on ground in position ready for rotating up
2. Attach Layout Bar & triangles to first & second portals. secure with lynch pin
3. Gable Fabric can be Installed at this stage - refer page 13
4. Rotate First Portal Up



10m CLIPFRAME GABLE END

Portal Set Up

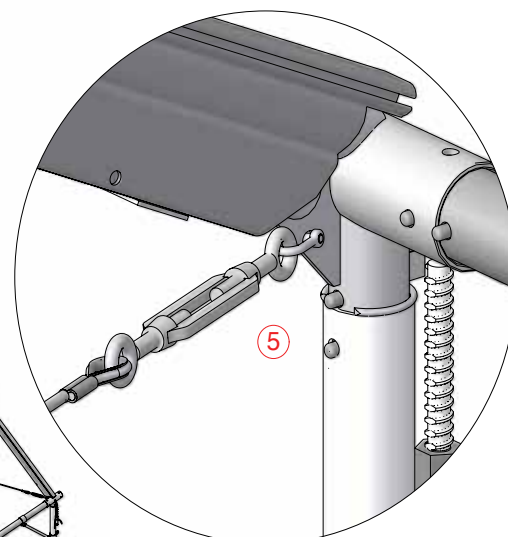
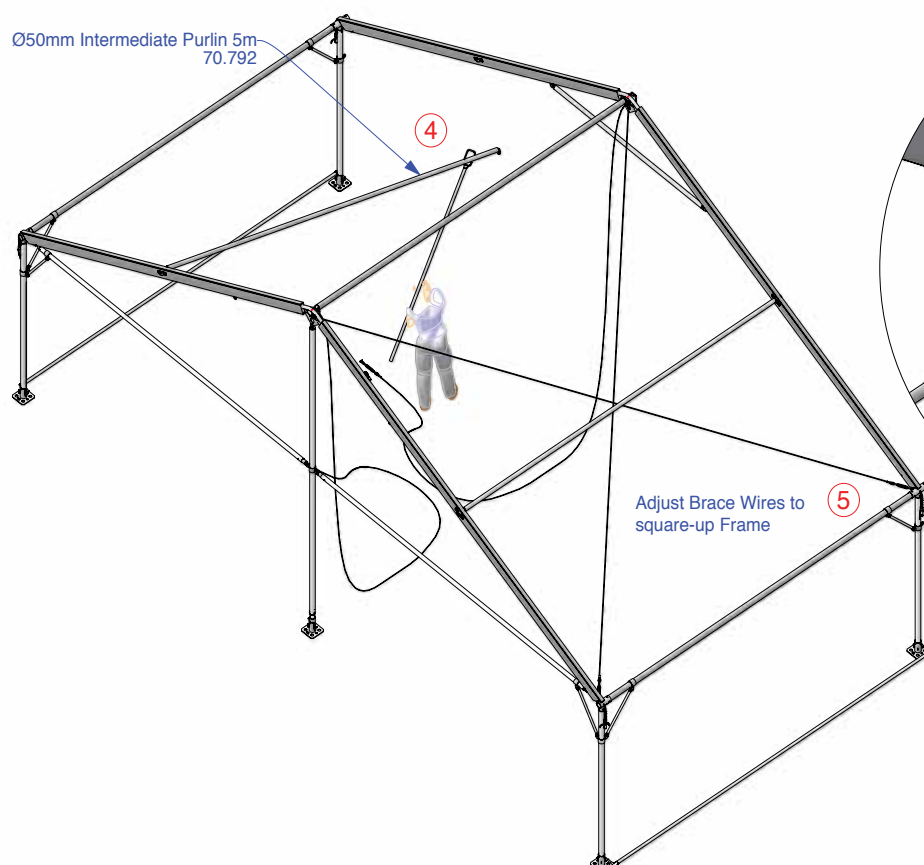
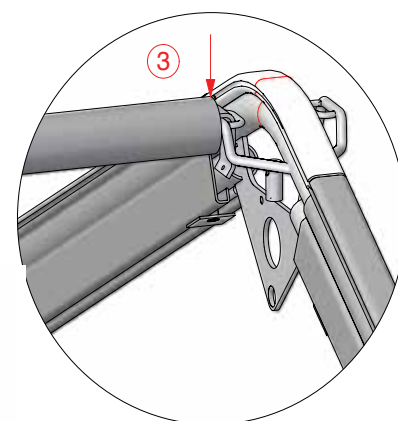
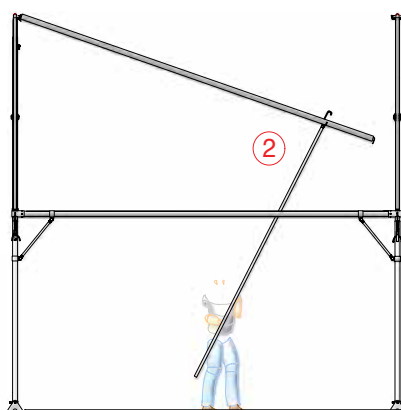
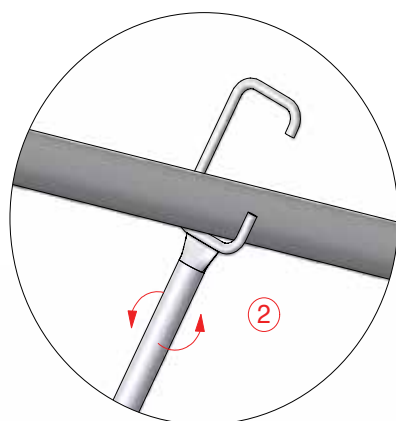
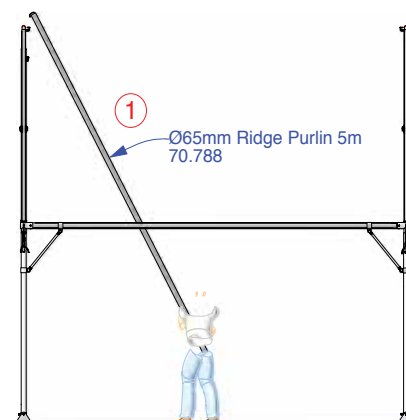
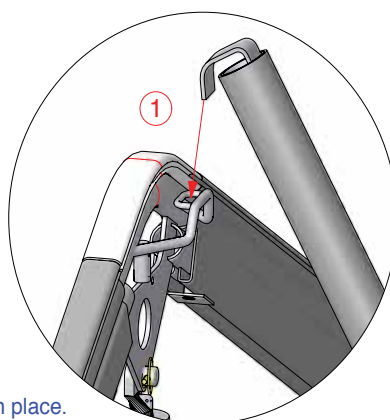
1. Join Eave Purlins to First Portal
- Use Button Locks
2. Join 25mm Brace Bars to Eave Purlins
- Use Lynch Pins
3. Join 25mm Brace Bars to Leg
- Use Lynch Pin
4. Rotate First Portal to Vertical
Support Eave near Second Portal
5. Rotate Second Portal to Vertical
6. Join Second Portal to Eaves
- Use Button Lock
7. Join Brace Bar to Second Portal
- Use Lynch Pin



10m CLIPFRAME GABLE END

Purlin & 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
4. Install Intermediate Purlins
- same process as Ridge Purlin
5. Attach Roof Brace Wires to Shoulders
- Use Shackle
- Do not fully tension turnbuckle until roof fabric is in place.



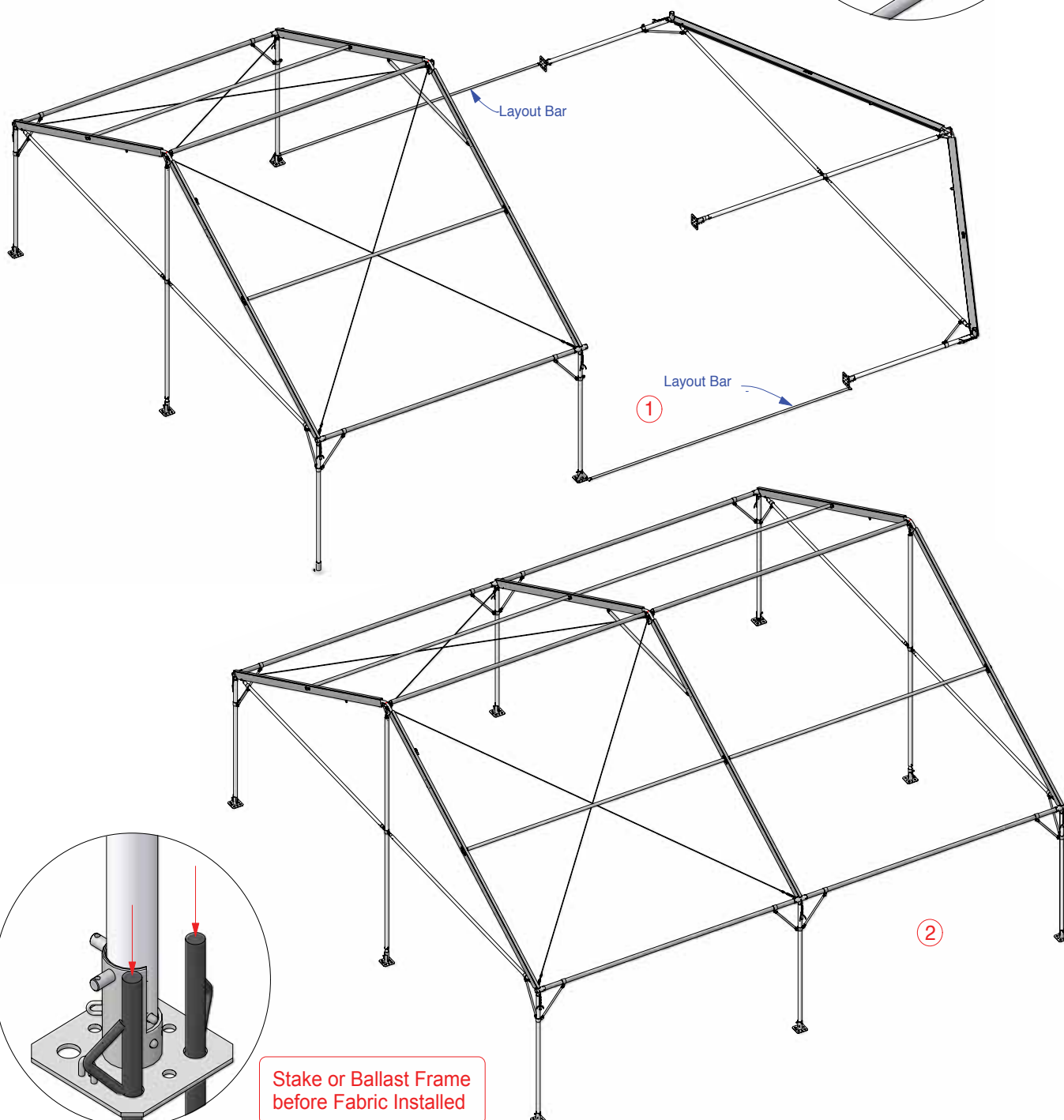
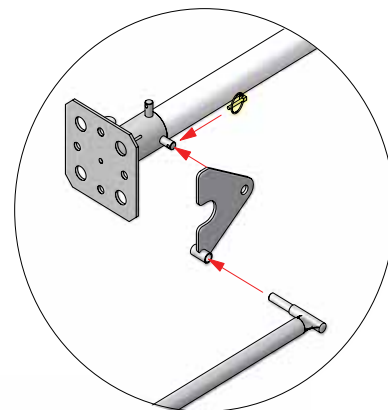
Keep Layout Bars in place
until bay is complete

10m CLIPFRAME GABLE END

Continued Frame Assembly



1. Move Layout Bars to Next Bay
- keep in place until bay complete
2. Continue Assembling Each Bay in same process as first.
Consider braced bay placements.
 - Assemble Portal on Ground
 - Attach Layout bars
 - Attach Eave Purlins & Brace Bars
 - Rotate Portal Up & join to Eave Purlins & Brace bars
 - Attach Ridge Purlin & Intermediate Purlins
 - Fasten Brace wires if applicable
3. Peg down Base Feet
 - x2 Marquee Pegs per Foot
 - Use Mallet

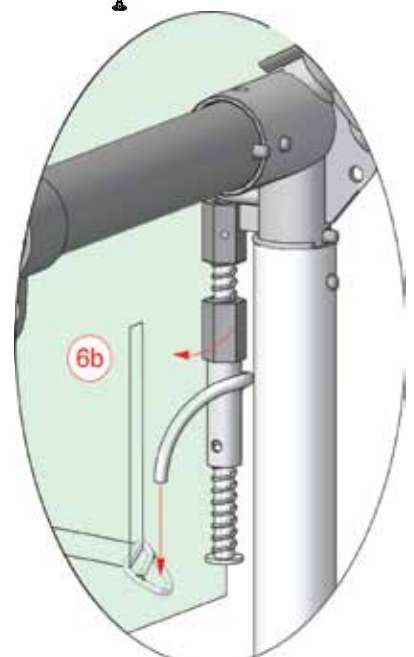
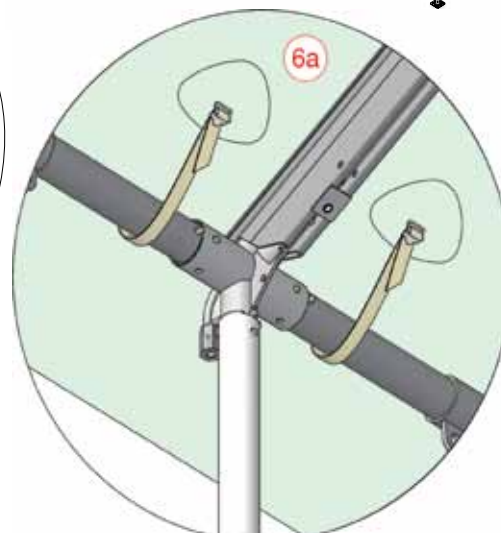
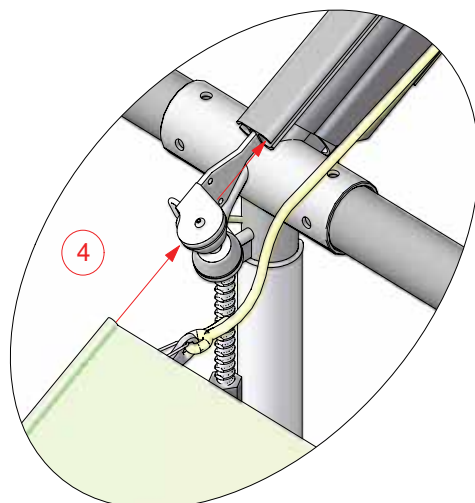
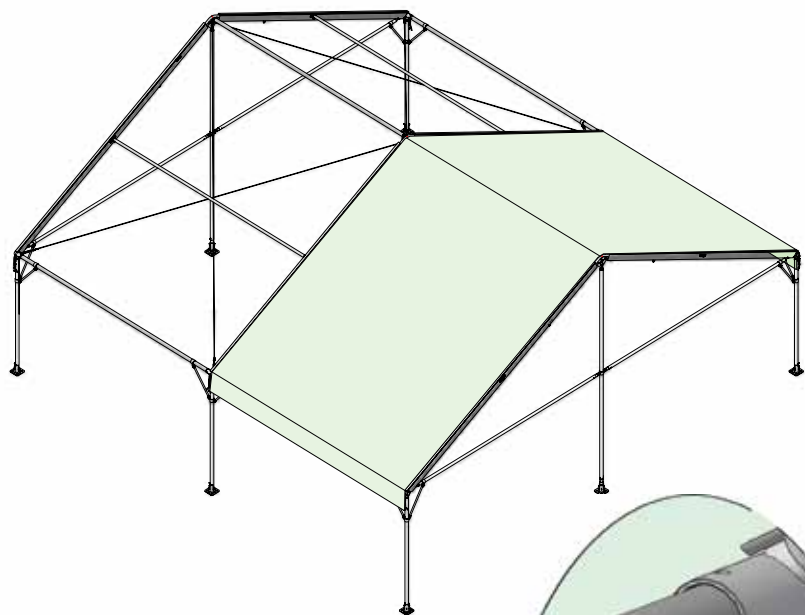
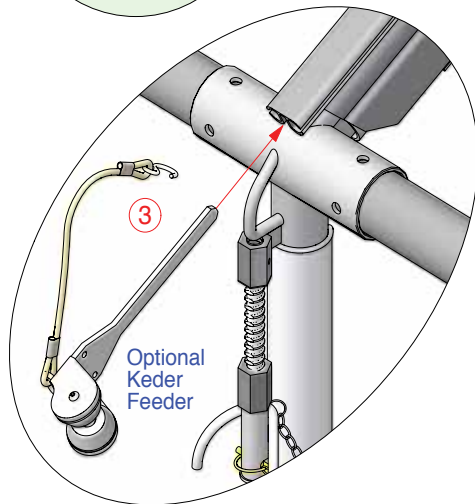
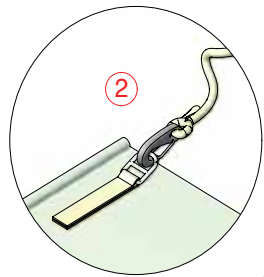
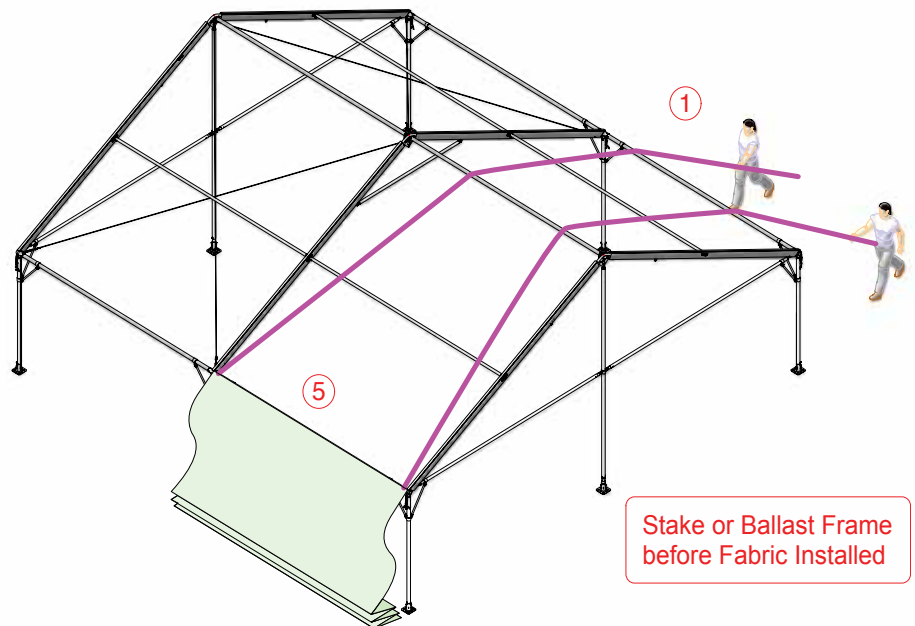




10m CLIPFRAME GABLE END

Roof Fabric Inst

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
6b. Mk3 Tension System

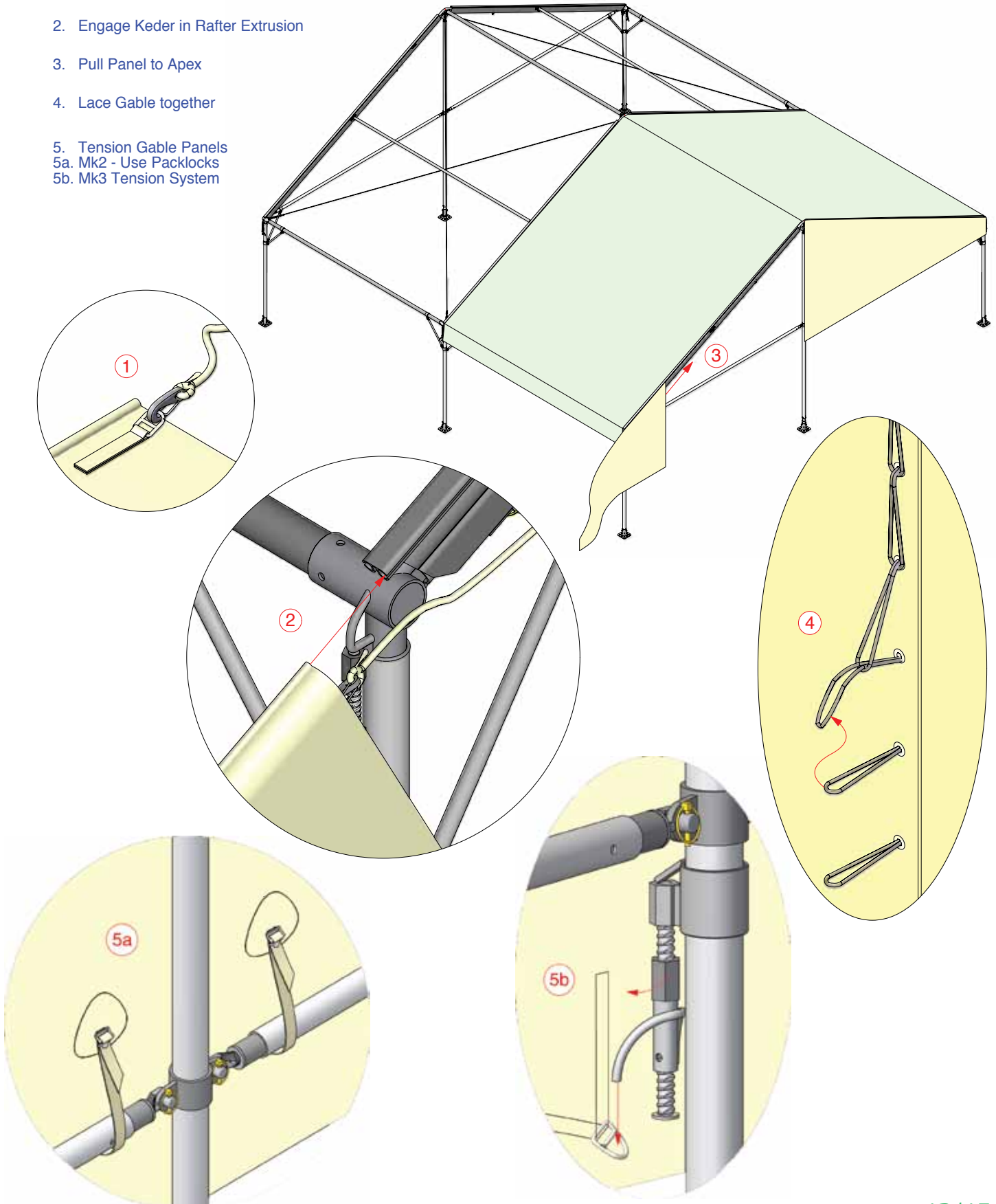


10m CLIPFRAME GABLE END

Gable Fabric Installation



1. Attach Pull Over Ropes to Gable 'D'
2. Engage Keder in Rafter Extrusion
3. Pull Panel to Apex
4. Lace Gable together
5. Tension Gable Panels
- 5a. Mk2 - Use Packlocks
- 5b. Mk3 Tension System

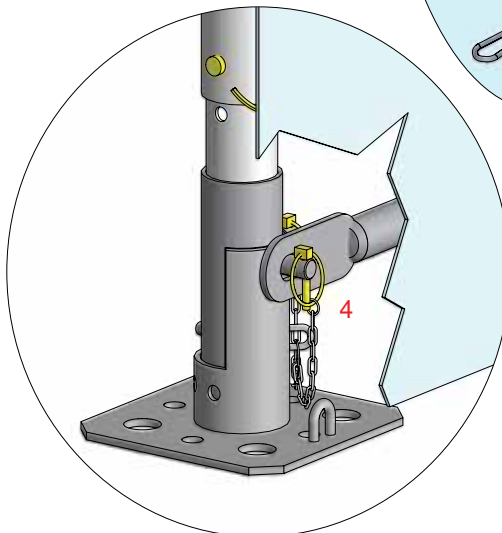
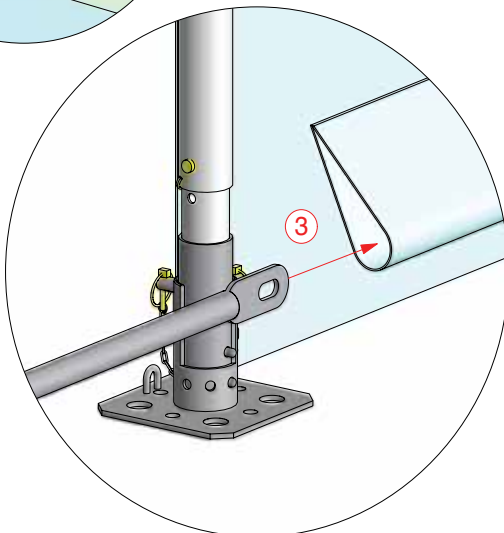
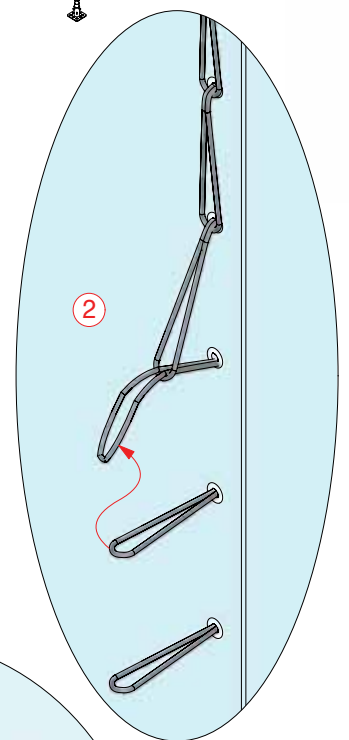
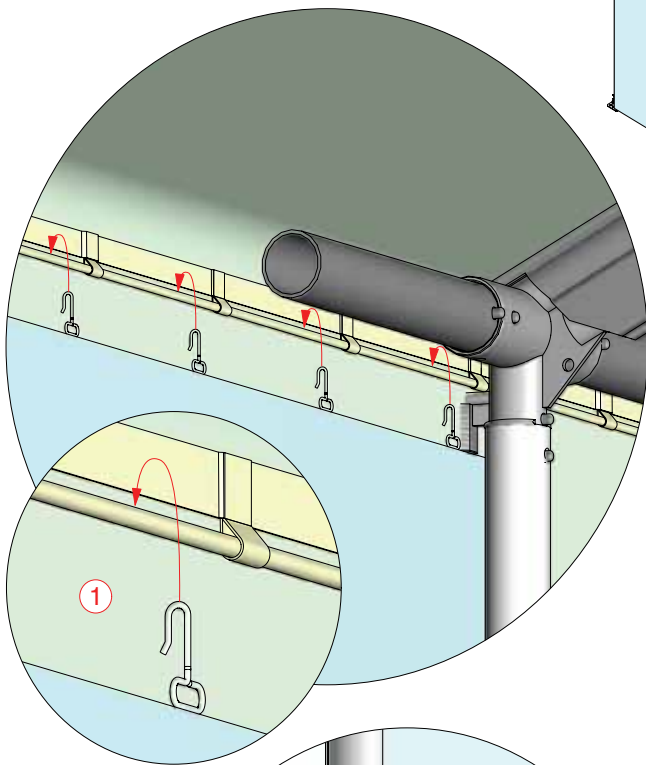
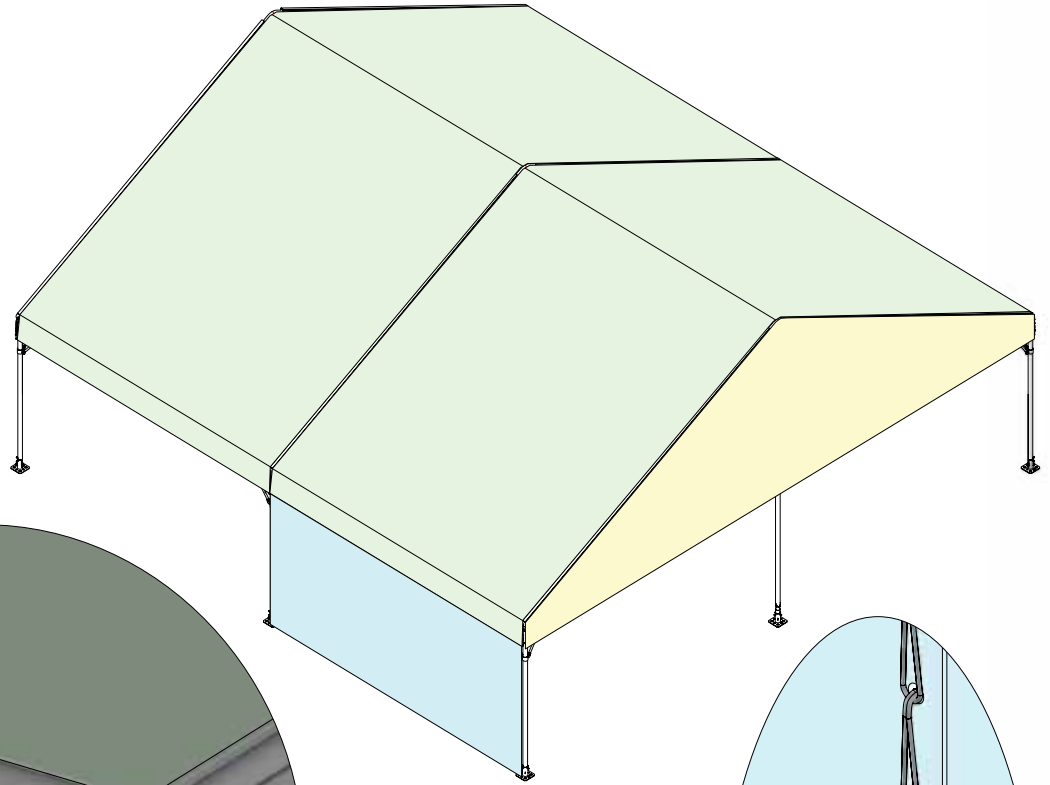


10m CLIPFRAME GABLE END

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



10m CLIPFRAME GABLE END

Gable End Layout Examples

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

General Rules

- Gable end portal each end (Red)
- Mid portals in between (Black)
- Roof brace wires each end bay (over 20m)
- Maximum 4 bays unbraced in succession.

□

