

# 3.3m x 6.1m (11' x 20') WOOD ROOM w/LOUVERED ROOF

## Installation and Operating Instructions – YM12813



HEIGHT:  
2.5m / 8'3"

IMPORTANT, RETAIN FOR FUTURE REFERENCE: READ CAREFULLY

Revised 07-12-2022

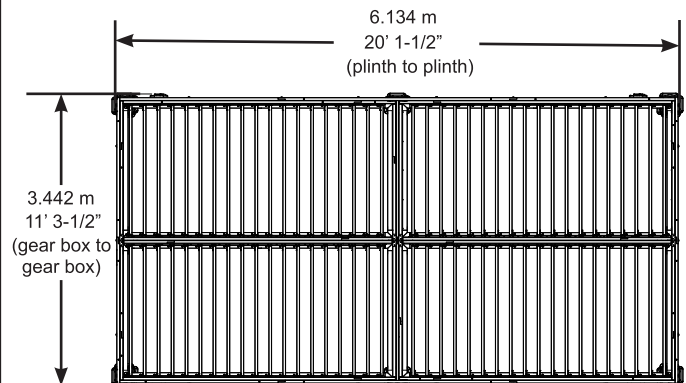
# YARDISTRY®

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pm EST (excl. holidays)  
(For extended hours see our website)  
English and French Spoken

Patents Pending



## **Important Safety Notice!**

Yardistry components are intended for privacy, decorative and ornamental use only.

### **Product is NOT INTENDED for the following:**

- A safety barrier to prevent unsupervised access to pools, hot tubs, spas or ponds.
- As load bearing support for a building, structure, heavy objects or swings.
- Used in structures that trap wind, rain or snow that would create extra load on the product.

**IMPORTANT!** When preparing for high winds and/or winter conditions, turn the louvers to the open position (upright) then attach the Lock Out and Quick Link (Page 58). This will prevent the structure from blowing over due to high winds and the louvers from breaking due to snow and ice loads. Any accumulated snow must be removed from roof.

**DO NOT** climb or walk on roof for any reason.

**Permanent structures may require a building permit.** As the purchaser and or installer of this product you are advised to consult local planning, zoning and building inspection departments for guidance on applicable building codes and/or zoning requirements.

**Wood is NOT flame retardant and will burn.** Grills, fire pits and chimineas are a fire hazard if placed too close to a Yardistry structure. Consult user's manual of the grill, fire pit or chiminea for safe distances from combustible materials.

**Wear gloves to avoid injury** from possible sharp edges of individual elements before assembly.

**During installation, follow all safety warnings provided with your tools and use OSHA approved safety glasses.** Some structures may require two or more people to install safely.

**Check for underground utilities before digging or driving stakes into the ground!**

**During assembly it is important to closely follow the instructions.** Complete the assembly on a solid, level surface and follow the instructions to square up, level and anchor the structure. This will reduce the gaps at wood connections during assembly.

## **General Information**

**General Information:** Wood components are manufactured with Cedar (C. Lanceolata) which is protected with factory applied water-based stain. Knots, small checks (cracks) and weathering are naturally occurring and do not affect the strength of the product. Annual application of a water-based water repellent sealant or stain is important and will help reduce weathering and checks.

**[www.yardistrystructures.com](http://www.yardistrystructures.com)**

Questions?

Call toll free or write us at:

1 (888) 509-4382

[support@yardistrystructures.com](mailto:support@yardistrystructures.com)

Patents Pending

# Limited Warranty

Yardistry warrants that this product is free from defect in materials and workmanship for a period of one (1) year from the original date of purchase. In addition, for any product with lumber, all lumber is warranted for five (5) years against rot and decay. This warranty applies to the original owner and registrant and is non-transferable.

Regular maintenance is required to assure the integrity of your product and is a requirement of the warranty. This warranty does not cover any inspection costs.

**This Limited Warranty does not cover:**

- Labour for replacement of any defective item(s);
- Incidental or consequential damages;
- Cosmetic defects which do not affect performance or integrity;
- Vandalism; improper use or installation; acts of nature, including but not limited to wind, storms, hail, floods, excessive water exposure;
- Minor twisting, warping, checking or any other natural occurring properties of wood that do not affect performance or integrity.

Yardistry products have been designed for safety and quality. Any modifications made to the original product could damage the structural integrity of the product leading to failure and possible injury. Yardistry cannot assume any responsibility for modified products. Furthermore, modification voids any and all warranties.

**This product is warranted for RESIDENTIAL USE ONLY. Yardistry disclaims all other representations and warranties of any kind, express or implied.**

*This Warranty gives you specific legal rights. You may have other rights as well which vary from state to state or province to province. This warranty excludes all consequential damages, however, some states/provinces do not allow the limitation or exclusion of consequential damages, and therefore this limitation may not apply to you.*

# Instructions for Proper Maintenance

Your Yardistry structure is designed and constructed of quality materials. As with all outdoor products it will weather and wear. To maximize the enjoyment, safety and life of your structure it is important that you, the owner, properly maintain it.

## HARDWARE:

- Check metal parts for rust. If found, sand and repaint using a non-lead paint complying with 16 CFR 1303.
- Inspect and tighten all hardware after completion of assembly; after first month of use; and then annually. Do not over-tighten as to cause crushing and splintering of wood.
- Check for sharp edges or protruding screw threads, add washers if required.

## WOOD PARTS:

- Applying a water repellent or stain (water-based) on a yearly basis is important maintenance to maintain maximum life and performance of the product.
- Check all wood members for deterioration, structural damage and splintering. Sand down splinters and replace deteriorated wood members. As with all wood, some checking and small cracks in grain is normal
- Some gapping may occur at some wood connections.

## Assembly Guides

### Tools Required:

- |                              |                  |                       |
|------------------------------|------------------|-----------------------|
| • Tape Measure               | • Hard Hat       | • 6' Step Ladder x 3  |
| • Carpenters Level           | • Safety Glasses | • Square              |
| • Standard or Cordless Drill | • Adult Helper   | • Ratchet             |
| • Claw Hammer                | • Safety Gloves  | • 7/16" & 1/2" Socket |
| • 7/16" & 1/2" Wrench        |                  |                       |

### Symbols:

Throughout these instructions symbols are provided in the top, right-hand corner of the page.



- Use Help, where this is shown, 2, 3 or 4 people are required to safely complete this step. To avoid injury or damage to the assembly make sure to get some help.



- Use a measuring tape to assure proper location



- Pre-drill a pilot hole before fastening screw or lag to prevent splitting of wood.

**If you dispose of your Yardistry structure:** Please disassemble and dispose of your unit so that it does not create any unreasonable hazards at the time it is discarded. Be sure to follow your local waste ordinances.

## Assembly Tips

Following are some helpful tips to make the assembly process smooth and efficient.

### PRE-ASSEMBLIES:

(i.e. Post and Beam Assemblies, Roof Rafter Assembly, etc)

- Work on a raised, solid and flat surface such as, a table or saw horse.
- Keep all connections flush where shown in the instructions.
- When assembling the beams keep parts flat, straight and snug when connecting.

### METAL PARTS:

- Louvered material may have sharp edges, wear safety gloves.
- Place louvered material on a non-abrasive surface before and after assembly as it can bend, dent and scratch easily.

### WINTER AND HIGH WIND PREPARATION:

- Turn the louvers to the open position (upright) then attach the Lock Out and Quick Link (Page 69). This will prevent the structure from being blown over due to high winds and the louvers from breaking due to snow and ice loads.
- Any accumulated snow must be removed from roof.

## Sealant Application Tips, Warning and First Aid Information

### SEALANT:

- All surfaces to be clean, dry, dust and grease free before application with temperatures above 5°C (41°F), no warmer than 35°C (95°F).
- Remove cap and cut a small piece off the nozzle for a small bead.
- Apply sealant in small beads and smooth as required.
- To smooth sealant into the joint use a glove covered finger, putty knife, etc. Smooth sealant to create a continuous water-tight seal, diverting water into the gutter with an unimpeded flow into the gutter drain corner.
- Clean excess with a cloth or paper towel before it skins over.
- An initial bond will set in approximately 20 minutes and fully set in 24 hours.

### WARNING:

- CAUSES SERIOUS EYE AND SKIN IRRITATION. Always wear safety glasses and rubber gloves when using product.
- KEEP OUT OF REACH OF CHILDREN.
- Prolonged or repeated exposure MAY CAUSE ORGAN DAMAGE. Provide ample ventilation.

### FIRST AID:

- If ingested, DO NOT INDUCE VOMITING. Seek immediate medical attention.
- Eye contact: immediately flush eyes with water for at least 15 minutes. Remove contact lenses if present.
- Skin contact; wash thoroughly with soap and water. If eye/skin irritation persists or respiratory symptoms occur or develop, seek medical attention.

Use of this product can expose you to chemicals including Methanol, which is known to the State of California to cause birth defects and other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Dispose of contents and container in accordance with local regulations.

# Permanent Installation Examples

**Note: It is critically important you start with square, solid and level footings, concrete pad or deck to attach your Room.**

We supply Post Mounts with this structure which gives you the flexibility to permanently install your structure to a pre-existing or new wood or concrete surface.

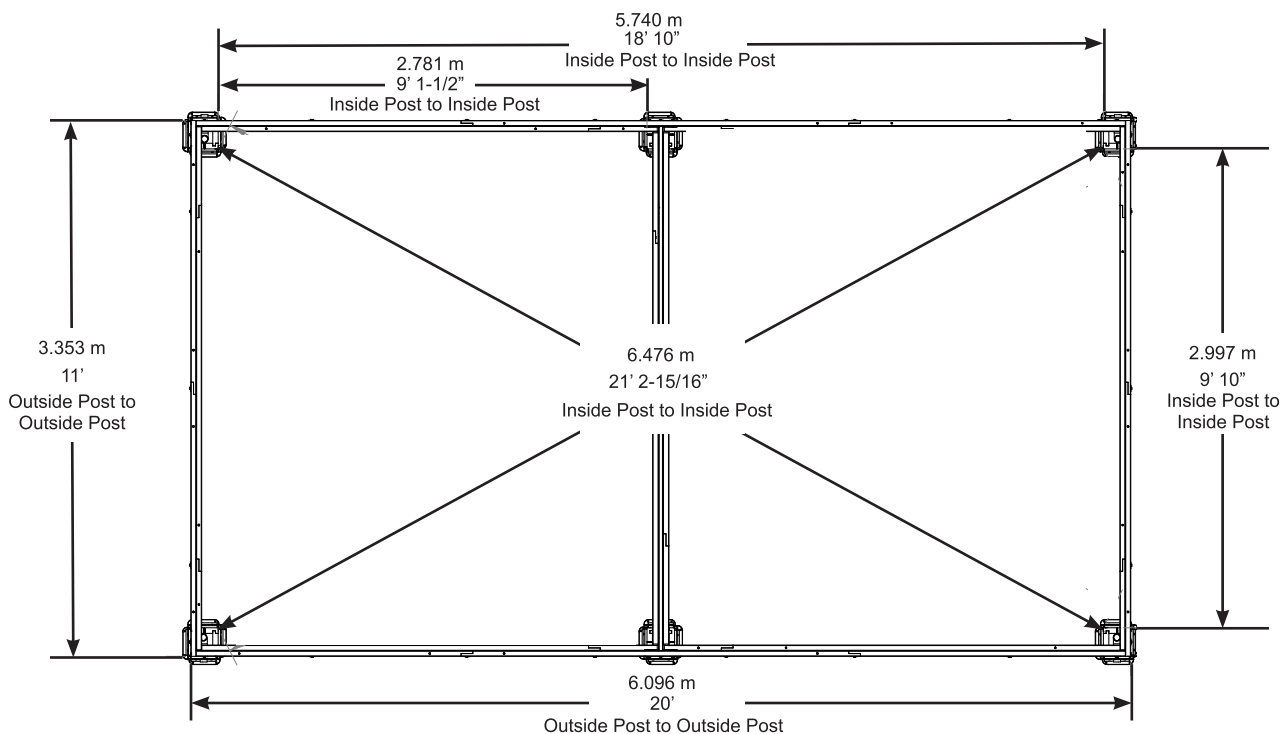
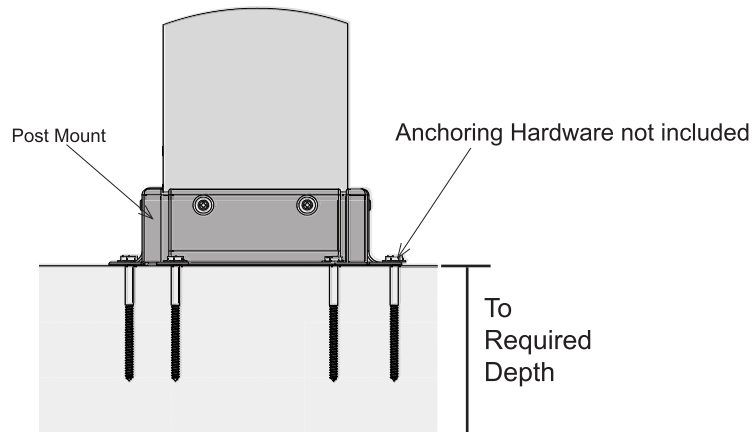
- The hardware to attach the Post Mount to the structure is included.
- The hardware to mount the structure permanently will need to be purchased separately at your local hardware store.

If you are mounting to concrete footers see below for the correct locations and placement. Please double check for possibility of any underground utilities such as gas, telephone, cable or sprinkler lines.

Following are some examples of how to mount the structure to wood or concrete surfaces.

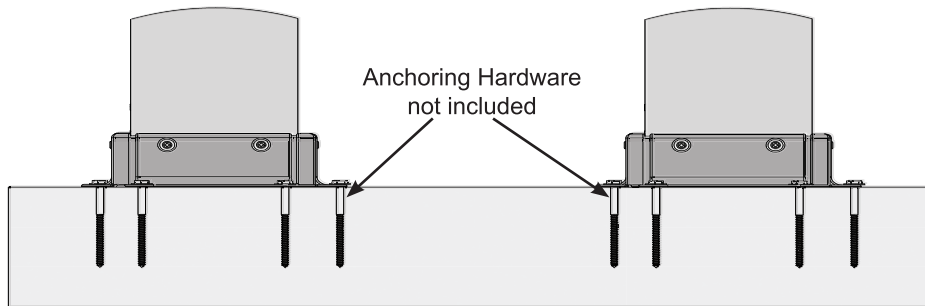
Refer to your local building and city codes, ordinances, neighbourhood covenants, or height restrictions regarding this type of structure for guidance on acceptable installation requirements.

## Concrete Footer

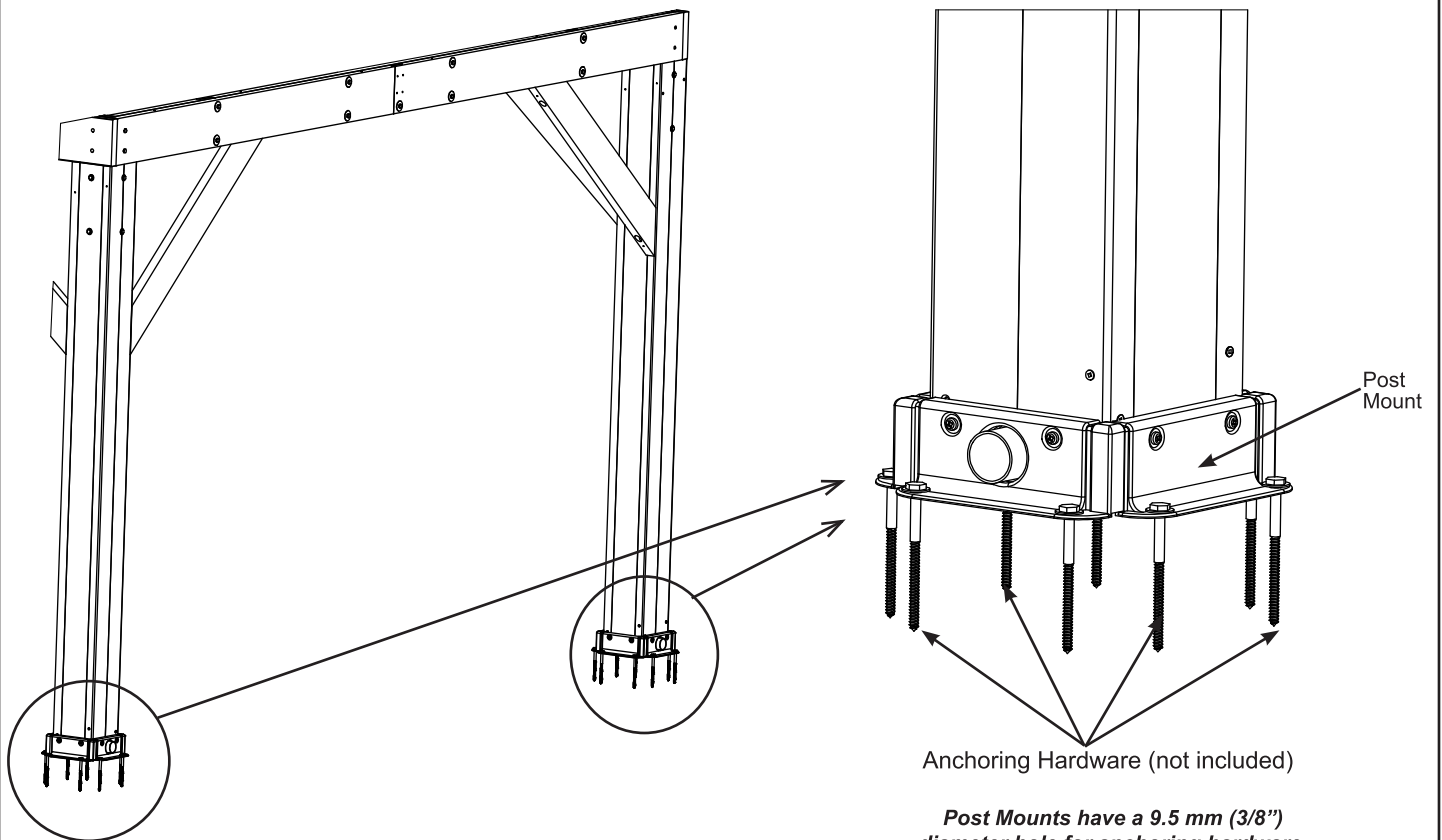
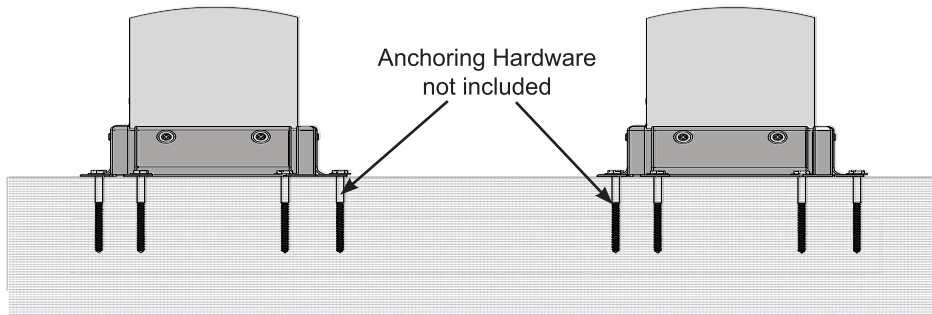


## Permanent Installation Examples cont.

Concrete Patio [min. 3.658 m x 6.401 m (12' x 21')] with 15.24 cm (6") clearance on all sides



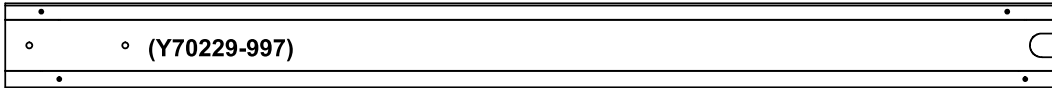
Wood Deck [min. 3.658 m x 6.401 m (12' x 21')] with 15.24 cm (6") clearance on all sides





# Part Identification ( Dimensions are approximate and are shown to assist in the identification of parts for assembly. Actual dimensions may be smaller or larger. )

**2pc. (997) - Right Drain Post 2235.2mm (88") FSC**



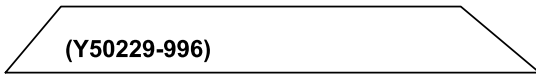
**2pc. (998) - Left Drain Post 2235.2mm (88") FSC**



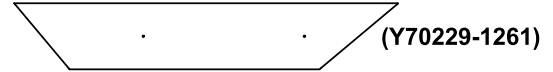
**2pc. (1444) - Mid Post 2235.2mm (88") FSC**



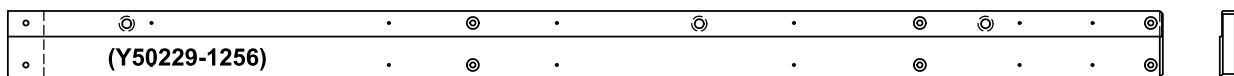
**12pc. (996) - Gusset 1130.3mm (44½") FSC**



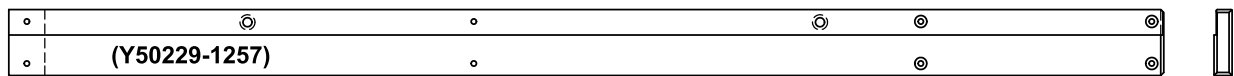
**2pc. (1261) - Short Gusset 812.8mm (32") FSC**



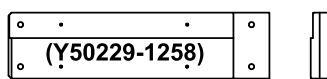
**2pc. (1256) - Middle Long Beam A 2444.7mm (96 1/4") FSC**



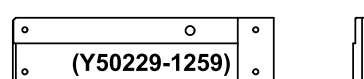
**2pc. (1257) - Middle Long Beam 2444.7mm (96 1/4") FSC**



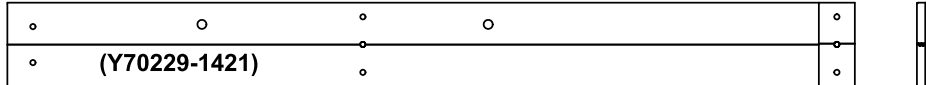
**2pc. (1258) - Middle Short Beam A 552.5mm (21 3/4") FSC**



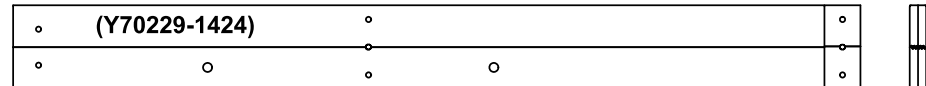
**2pc. (1259) - Middle Short Beam 552.5mm (21 3/4") FSC**



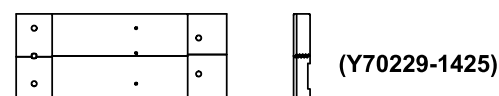
**2pc. (1421) - Long Side Beam 1793.9mm (70 5/8") FSC**



**2pc. (1424) - Long Side Beam A 1793.9mm (70 5/8") FSC**



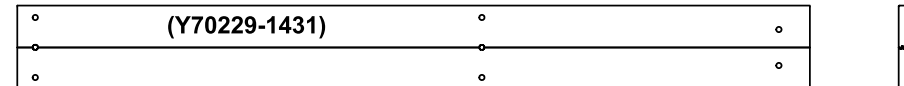
**2pc. (1425) - Long Centre Beam 445.7mm (17 9/16") FSC**



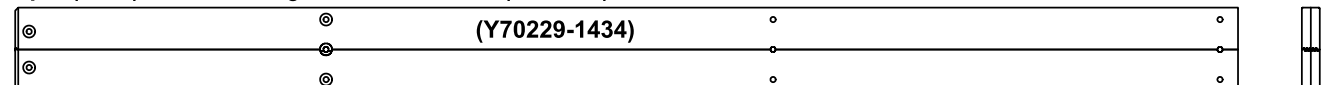
**2pc. (1428) - Long Centre Beam A 445.7mm (17 9/16") FSC**



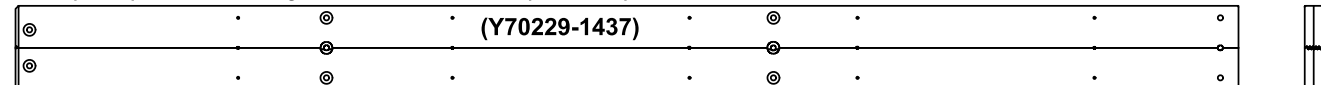
**2pc. (1431) - Centre Beam 1677.7mm (66") FSC**



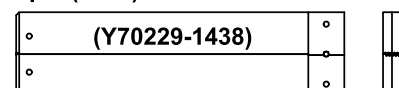
**1pc. (1434) - Centre Long Beam 2588.5mm (101 7/8") FSC**



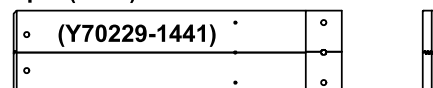
**1pc. (1437) - Centre Long Beam A 2588.5mm (101 7/8") FSC**



**1pc. (1438) - Centre Short Beam 694.4mm (27 5/16") FSC**

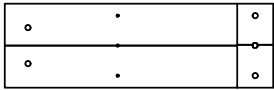


**1pc. (1441) - Centre Short Beam A 694.4mm (27 5/16") FSC**



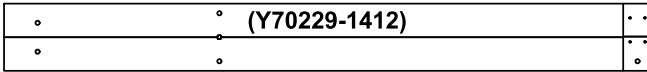
# Part Identification ( Dimensions are approximate and are shown to assist in the identification of parts for assembly. Actual dimensions may be smaller or larger. )

**4pc. (1415) - Short Beam End 568.3mm (22 3/8") FSC**



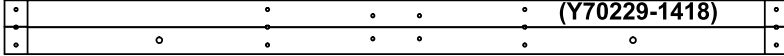
(Y70229-1415)

**4pc. (1412) - Short Beam 1714.5mm (67 1/2") FSC**



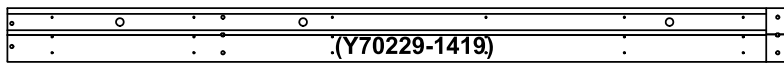
(Y70229-1412)

**2pc. (1418) - Long Centre Beam Middle 2591mm (102") FSC**



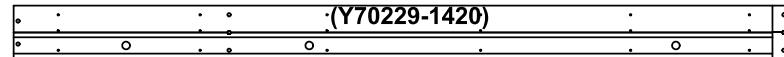
(Y70229-1418)

**2pc. (1419) - Long End Side Beam 2586mm (101 13/16") FSC**



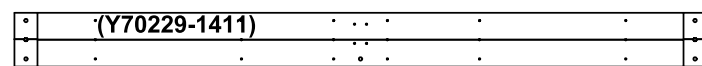
(Y70229-1419)

**2pc. (1420) - Long End Side Beam A 2586mm (101 13/16") FSC**



(Y70229-1420)

**2pc. (1411) - Short Center Beam 2289.1mm (90 1/8") FSC**

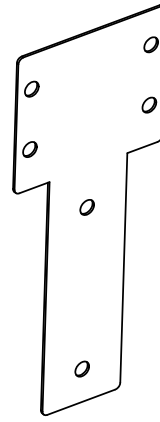


(Y70229-1411)

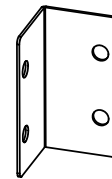
**4pc. (1260) - Block 108mm (4 1/4") FSC**



(Y50229-1260)

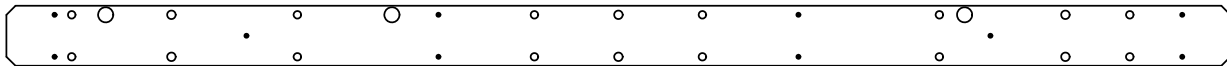


**1pc. Mid Beam Flat Bracket Set (Y70829-523) (2PK)**

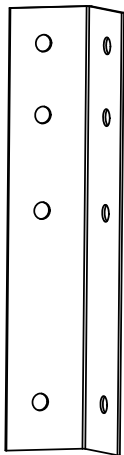


**1pc. Mid Beam Bracket Set (Y70829-519) (4PK)**

**2pc. Short Mid Beam Insert - (Y00429-517)**



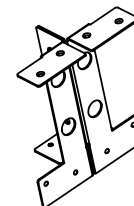
**2pc. Mid Beam Insert - (Y00429-518)**



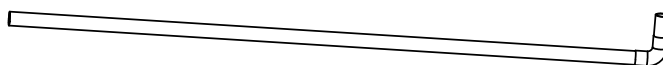
**1pc. Post Beam Bracket (Y70829-304) (4PK)**

**76pc. Louver 1521 (Y01001-525)**

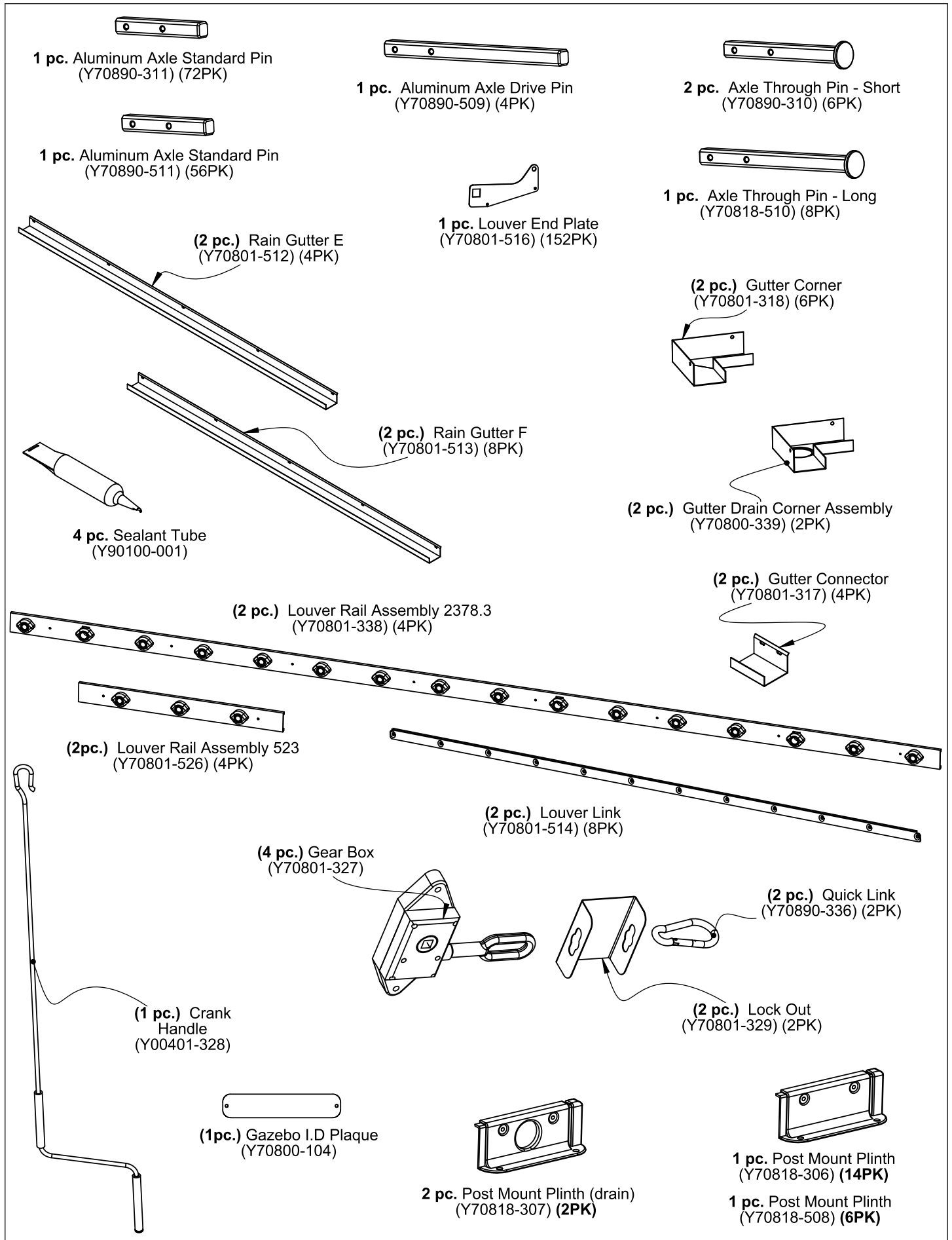
**2pc. Centre Beam Bracket (Y70829-366) (2PK)**



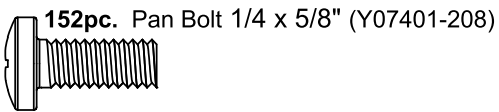
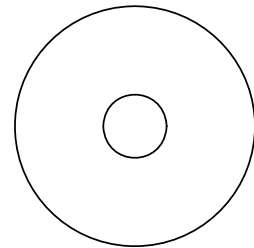
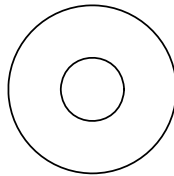
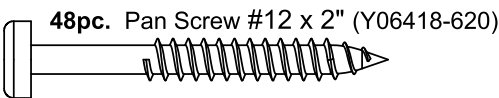
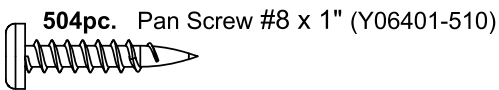
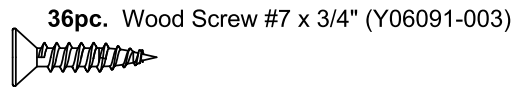
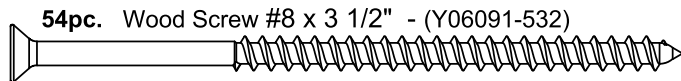
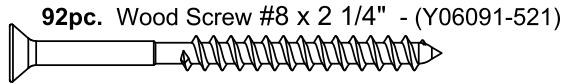
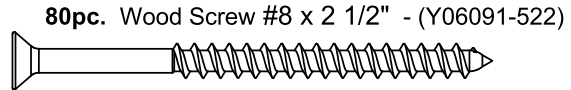
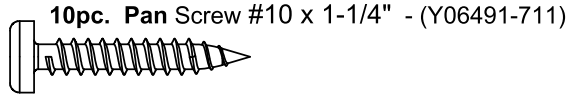
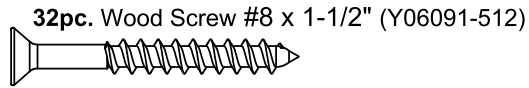
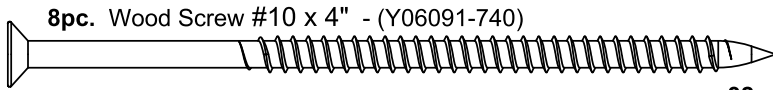
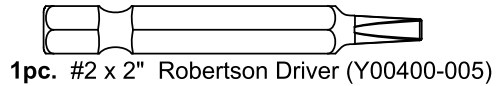
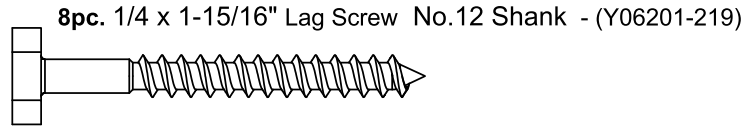
**(4pc.) Downspout Assembly (Y70801-312)**



# Part Identification ( Dimensions are approximate and are shown to assist in the identification of parts for assembly. Actual dimensions may be smaller or larger. )

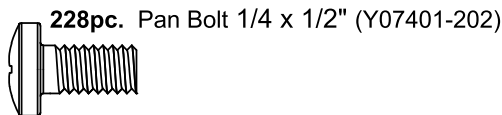


# Hardware Identification ( Dimensions are approximate and are shown to assist in the identification of parts for assembly. Actual dimensions may be smaller or larger. )

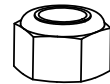
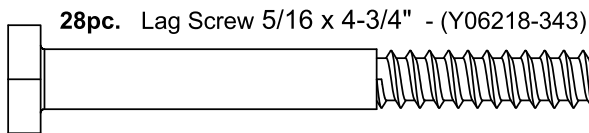


**61pc.** 5/16" Flat Washer (Y05118-203) - Black

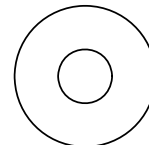
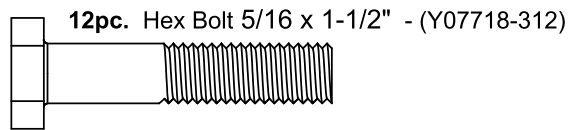
**114pc.** 1/4-5/16 x 1-1/4" Large Washer (Y05118-311)



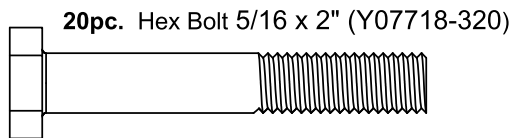
**8pc.** 5/16" Flat Washer (Y05101-203) - White



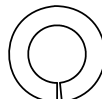
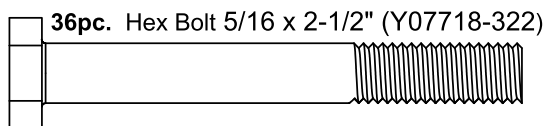
**20pc.** - 5/16" Lock Nut (Y08318-303)



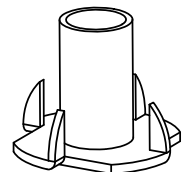
**152pc.** 1/4" Nylon Washer (Y05901-204)



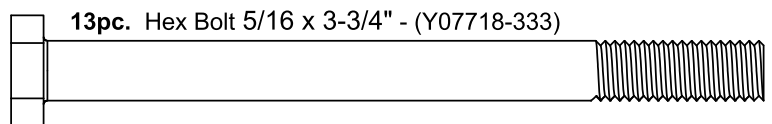
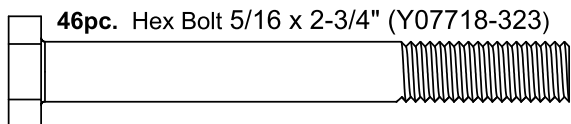
**152pc.** - 1/4" Lock Nut (Y08301-203)



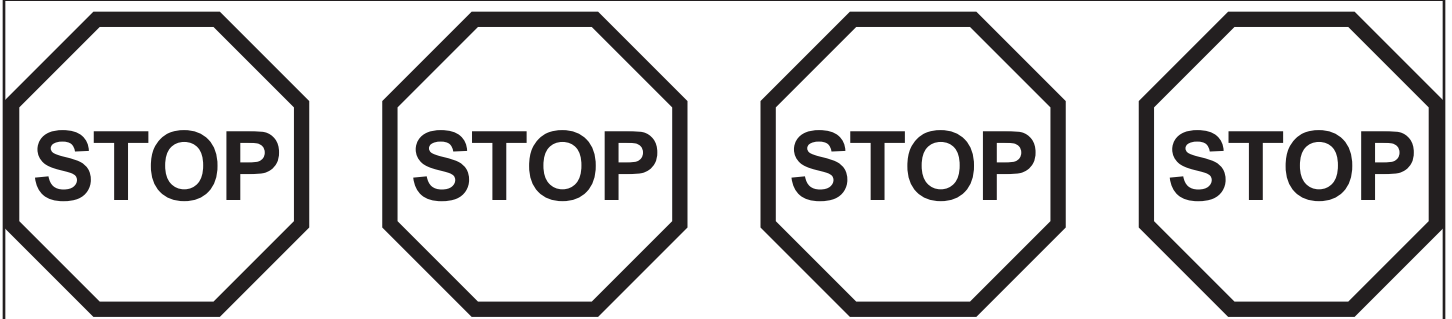
**107pc.** 5/16" Lock Washer (Y05318-300)



**107pc.** 5/16 - T-Nut (Y08518-300)



# Step 1: Inventory Parts - Read This Before Starting Assembly



- A.** This is the time for you to inventory all your hardware, wood and accessories, referencing the parts identification sheets. This will assist you with your assembly.
- Each step indicates which bolts and/or screws you will need for assembly, as well as any flat washers, lock washers, t-nuts or lock nuts.
- B.** If there are any missing or damaged pieces or you need assistance with assembly please contact the consumer relations department directly. Call us before going back to the store.

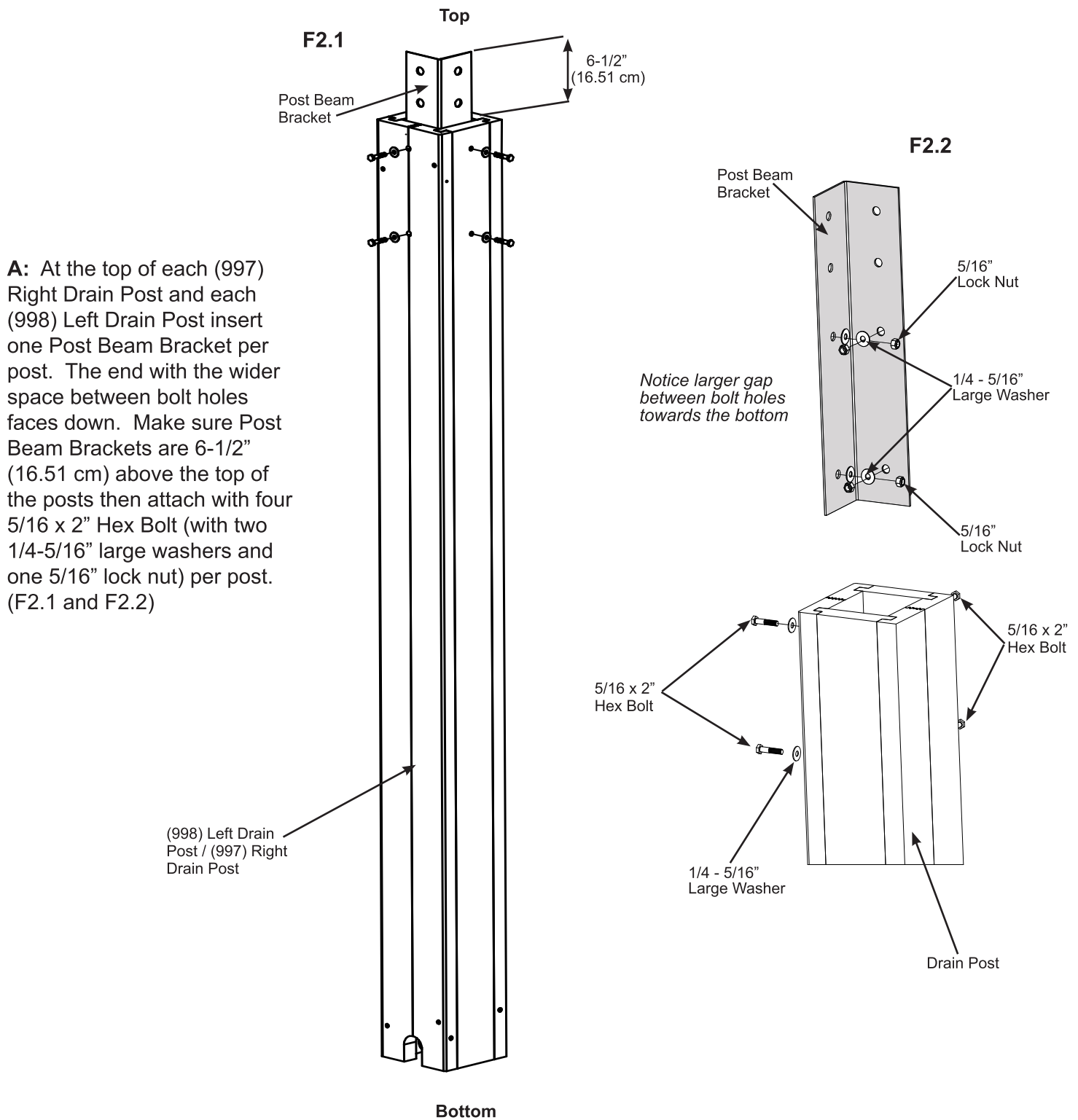
**1-888-509-4382**  
**support@yardistrystructures.com**

- C.** Read the assembly manual completely, paying special attention to ANSI warnings; notes; and safety/maintenance information on pages 1 - 4.
- Follow the instructions in order.
  - This structure is designed to be assembled and installed ideally by four people, DO NOT attempt to install alone.
  - Consider the slope of elevation where you plan to install the structure. Also, check for gas, telephone, other utilities or sprinkler line locations prior to excavating any holes.
- D.** Before you discard your cartons fill out the form below.
- The carton I.D. stamp is located on the end of each carton.
  - Please retain this information for future reference. You will need this information if you contact the Consumer Relations Department.

## PRODUCT NUMBER: **YM12813**

CARTON I.D. STAMP: _ _ _ _ _ (Box 1)
CARTON I.D. STAMP: _ _ _ _ _ (Box 2)
CARTON I.D. STAMP: _ _ _ _ _ (Box 3)
CARTON I.D. STAMP: _ _ _ _ _ (Box 4)
CARTON I.D. STAMP: _ _ _ _ _ (Box 5)
CARTON I.D. STAMP: _ _ _ _ _ (Box 6)

# Step 2: Drain Post Assemblies Part 1



**A:** At the top of each (997) Right Drain Post and each (998) Left Drain Post insert one Post Beam Bracket per post. The end with the wider space between bolt holes faces down. Make sure Post Beam Brackets are 6-1/2" (16.51 cm) above the top of the posts then attach with four 5/16 x 2" Hex Bolt (with two 1/4-5/16" large washers and one 5/16" lock nut) per post. (F2.1 and F2.2)

### Wood Parts

- 2 x (997) Right Drain Post
- 2 x (998) Left Drain Post

### Components

- 4 x Post Beam Bracket

### Hardware

- 16 x 5/16 x 2" Hex Bolt (1/4-5/16" large washer x 2, 5/16" lock nut)

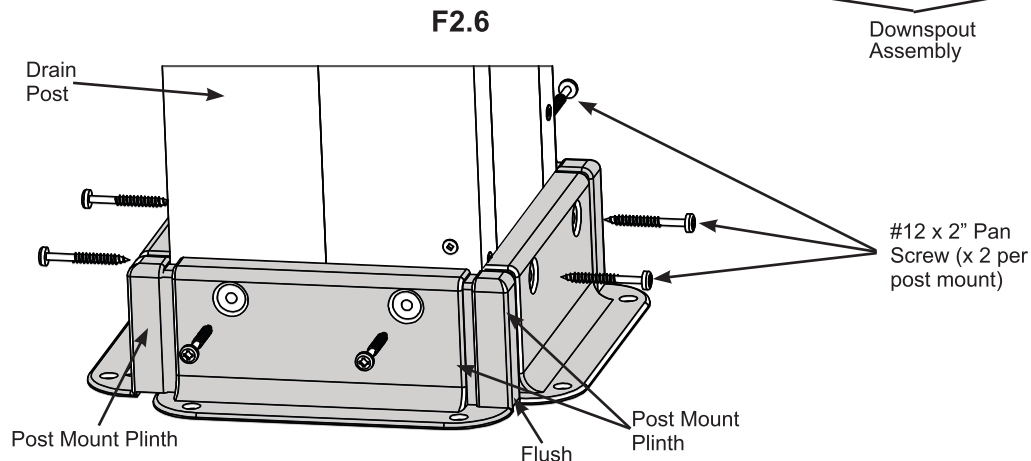
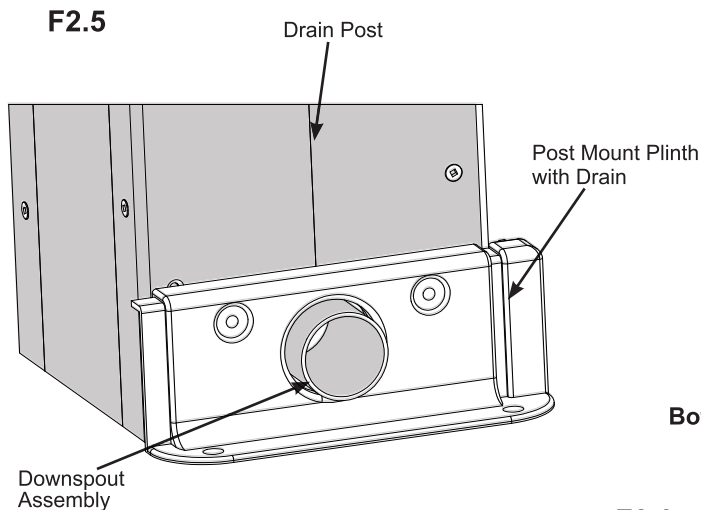
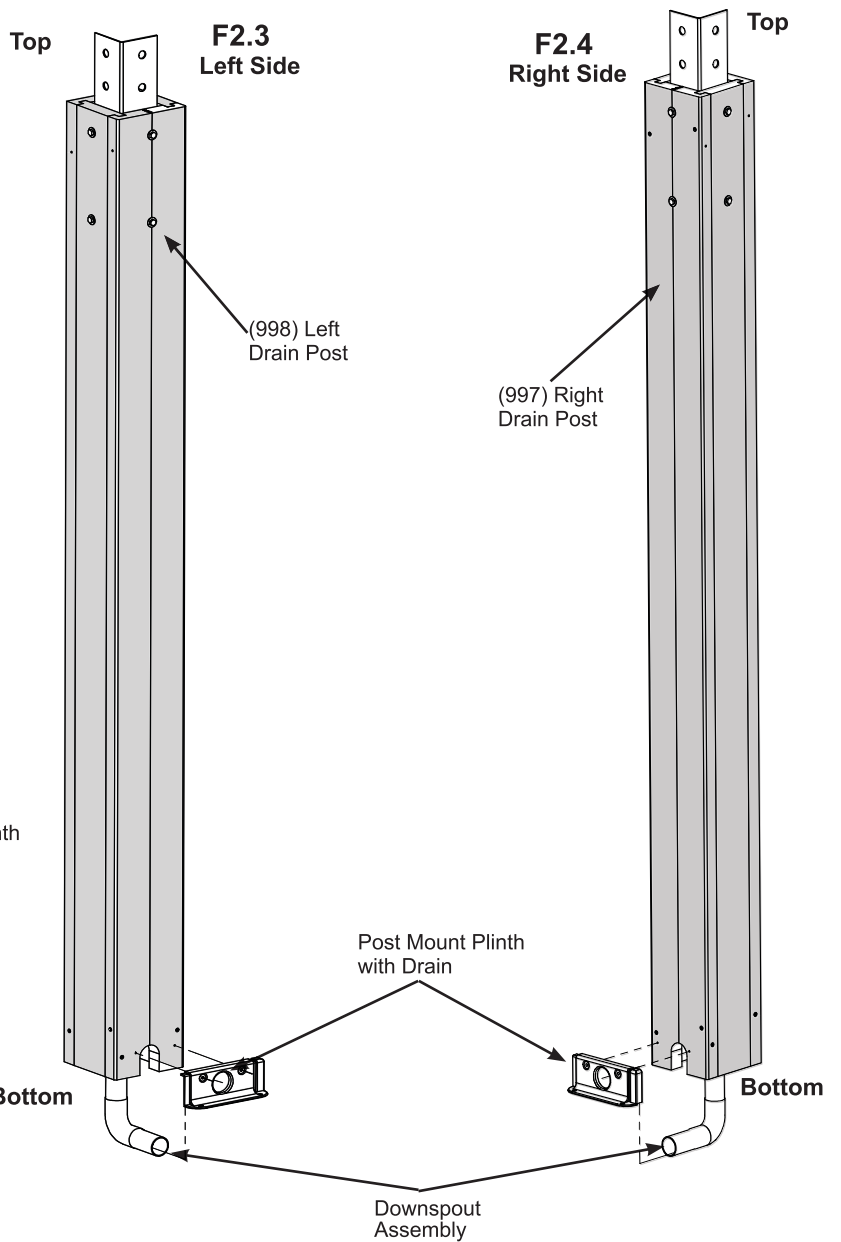
# Step 2: Drain Post Assemblies Part 2



**B:** From the bottom, feed one Downspout Assembly up through each post. The elbow is at the bottom of the posts and fits tight in the bottom notch. (F2.3 and F2.4)

**C:** With a helper, stand posts up and place one Post Mount Plinth with Drain over the bottom of each Downspout Assembly. Make sure the post mount is flush to the bottom of the post. (F2.3, F2.4 and F2.5)

**D:** On the remaining sides of each post, place one Post Mount Plinth flush to the bottom of the posts. Each post mount should fit together in a tongue and groove style. Attach each Post Mount Plinth to posts with two #12 x 2" Pan Screws per post mount. (F2.6)



### Components

- 4 x Downspout Assembly
- 4 x Post Mount Plinth with Drain
- 12 x Post Mount Plinth

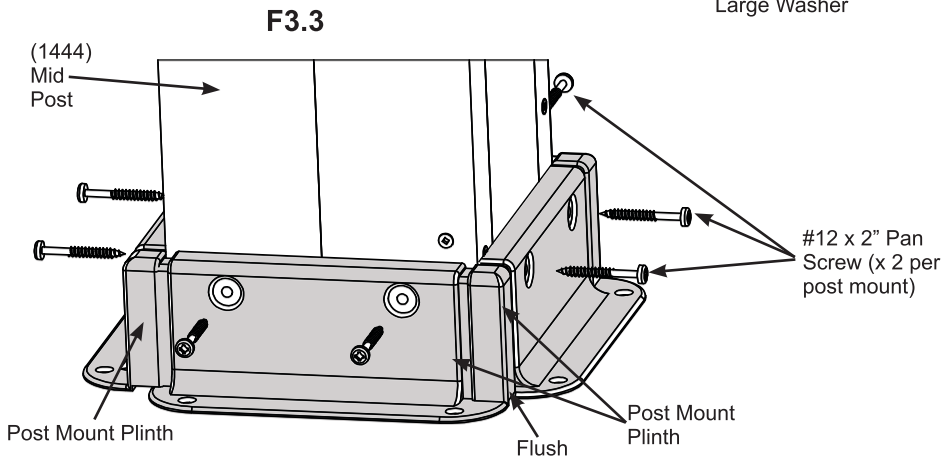
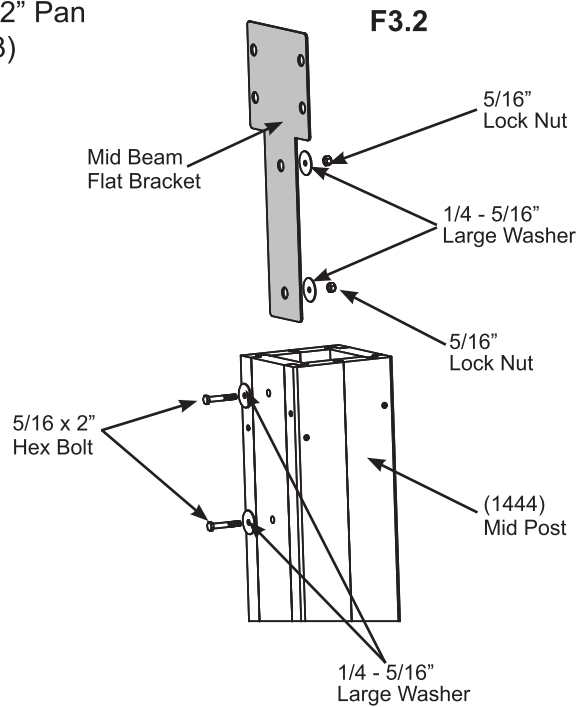
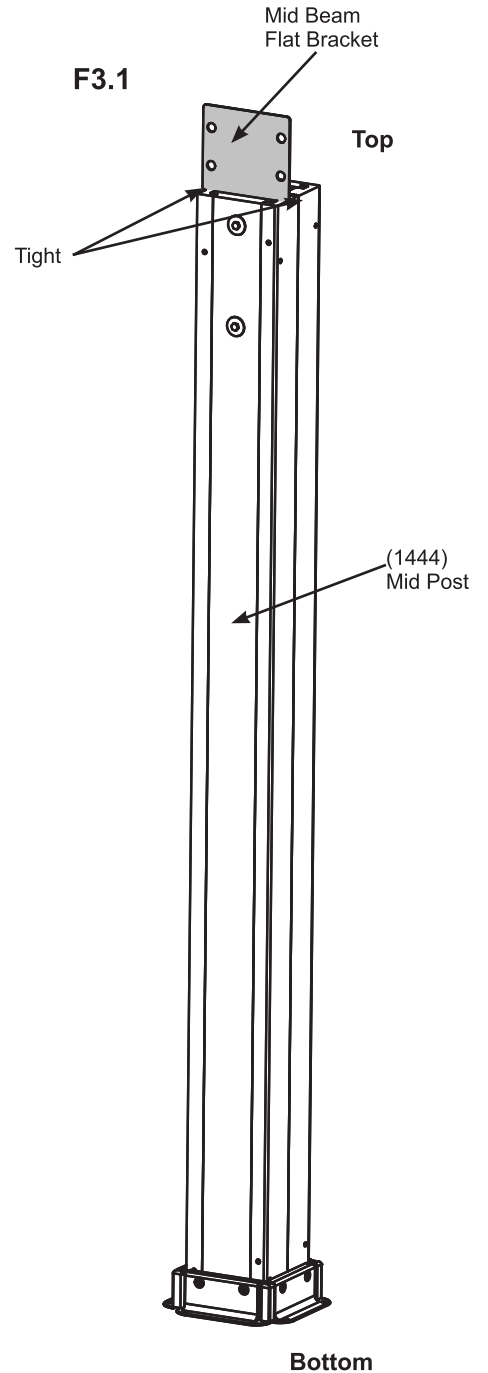
### Hardware

- 32 x #12 x 2" Pan Screw

# Step 3: Mid Post Assemblies

**A:** At the top of (1444) Mid Post insert one Mid Post Flat Bracket per post. Make sure Mid Post Flat Bracket is tight to the top of the post then attach with two 5/16 x 2" Hex Bolt (with two 1/4-5/16" large washers and one 5/16" lock nut) per post. (F3.1 and F3.2)

**B:** Place four Post Mount Plinths flush to the bottom of each post. Each post mount should fit together in a tongue and groove style. Attach each Post Mount Plinth to posts with two #12 x 2" Pan Screws per post mount. (F3.3)



## Wood Parts

2 x (1444) Mid Post

## Components

2 x Mid Beam Flat Bracket  
8 x Post Mount Plinth

## Hardware

4 x 5/16 x 2" Hex Bolt  
(1/4-5/16" large washer x 2, 5/16" lock nut)  
16 x #12 x 2" Pan Screw

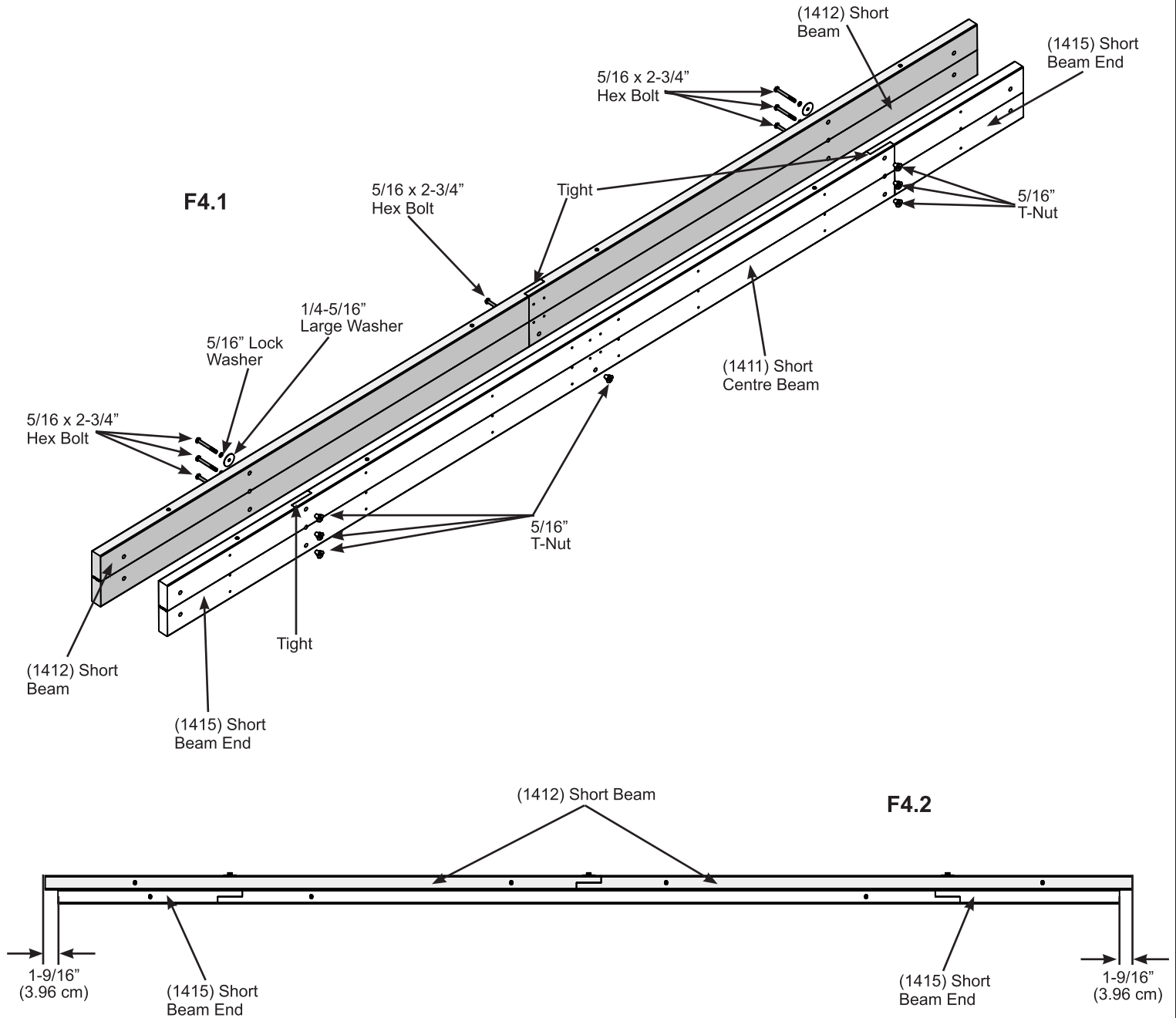


# Step 4: Short Beam Assembly Part 1



**A:** Place one (1415) Short Beam End on each end of (1411) Short Centre Beam. Place two (1412) Short Beams together so the lap joints fit tight in the center. Tight to (1415) Short Beam End and (1411) Short Centre Beam place the (1412) Short Beams, make sure the bolt holes line up then loosely attach with seven 5/16 x 2-3/4" Hex Bolts (with 5/16" lock washer, 1/4-5/16" large washer and 5/16" t-nut). (F4.1)

**B:** Make sure both (1412) Short Beams overhang the (1415) Short Beam Ends by 1-9/16" (3.96 cm) then tighten the bolts. (F4.2)



### Wood Parts

- 2 x (1411) Short Centre Beam
- 4 x (1415) Short Beam End
- 4 x (1412) Short Beam

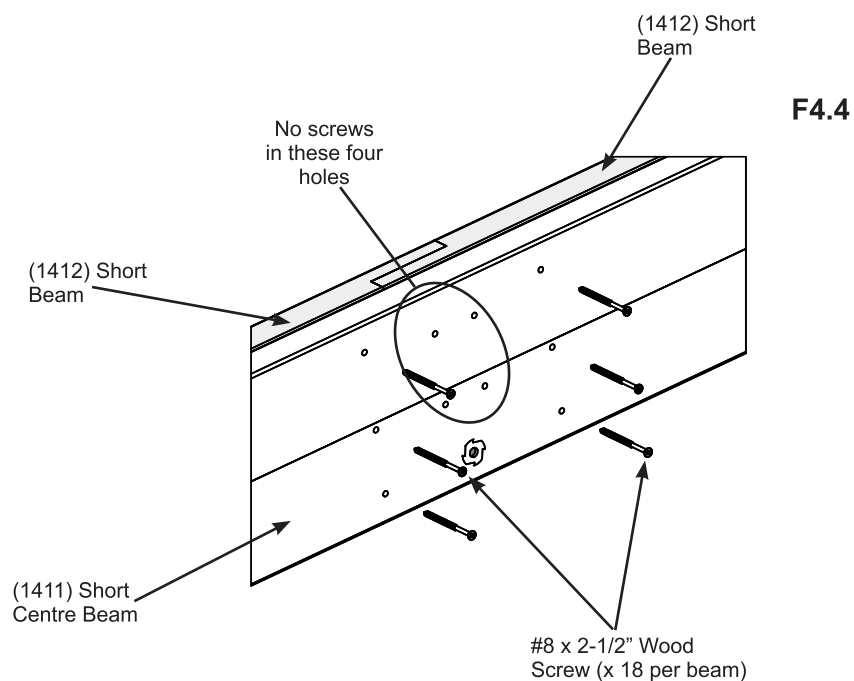
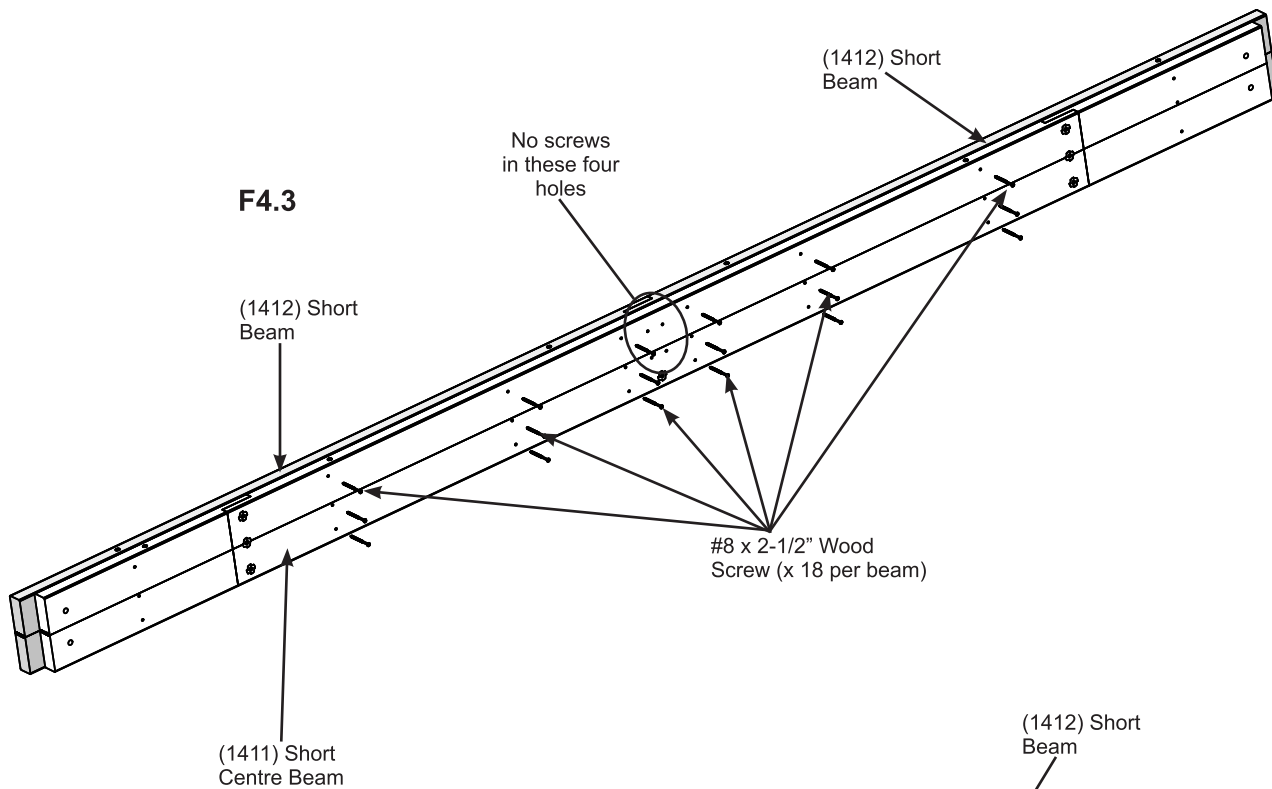
### Hardware

- 14 x 5/16 x 2-3/4" Hex Bolt  
(5/16" lock washer, 1/4-5/16" large washer, 5/16" T-Nut)

## Step 4: Short Beam Assembly Part 2

**C:** Flip the assembly over so the t-nuts face up then fasten assembly with (18) #8 x 2-1/2" Wood Screws through (1411) Short Centre Beam only. Do not install screws in the four centre pilot holes. (F4.3 and F4.4)

**D:** Repeat Steps A - C to make a second Short Beam Assembly.

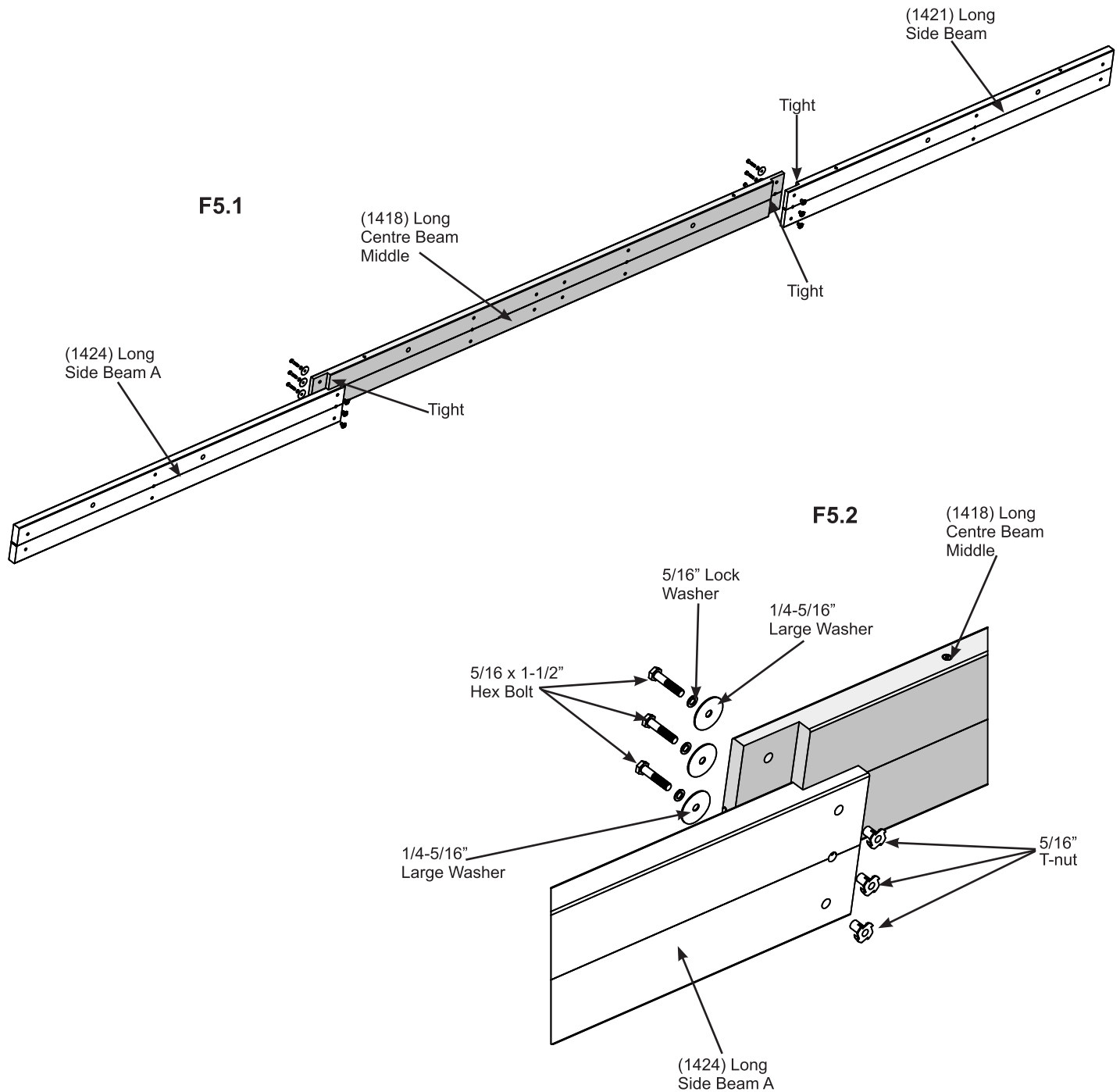


### Hardware

36 x #8 x 2-1/2" Wood Screw

# Step 5: Long Beam Assembly Part 1

**A:** Connect one (1424) Long Side Beam A on the left side and (1421) Long Side Beam on the right side of (1418) Long Centre Beam Middle so the lap joints are tight. Install three 5/16" T-nuts in (1424) Long Side Beam A and (1421) Long Side Beam then attach boards through (1418) Long Centre Beam Middle using six 5/16 x 1-1/2" Hex Bolts (with 5/16" lock washer and 1/4-5/16" large washer). (F5.1 and F5.2)



## Wood Parts

- 2 x (1421) Long Side Beam
- 2 x (1424) Long Side Beam A
- 2 x (1418) Long Centre Beam Middle

## Hardware

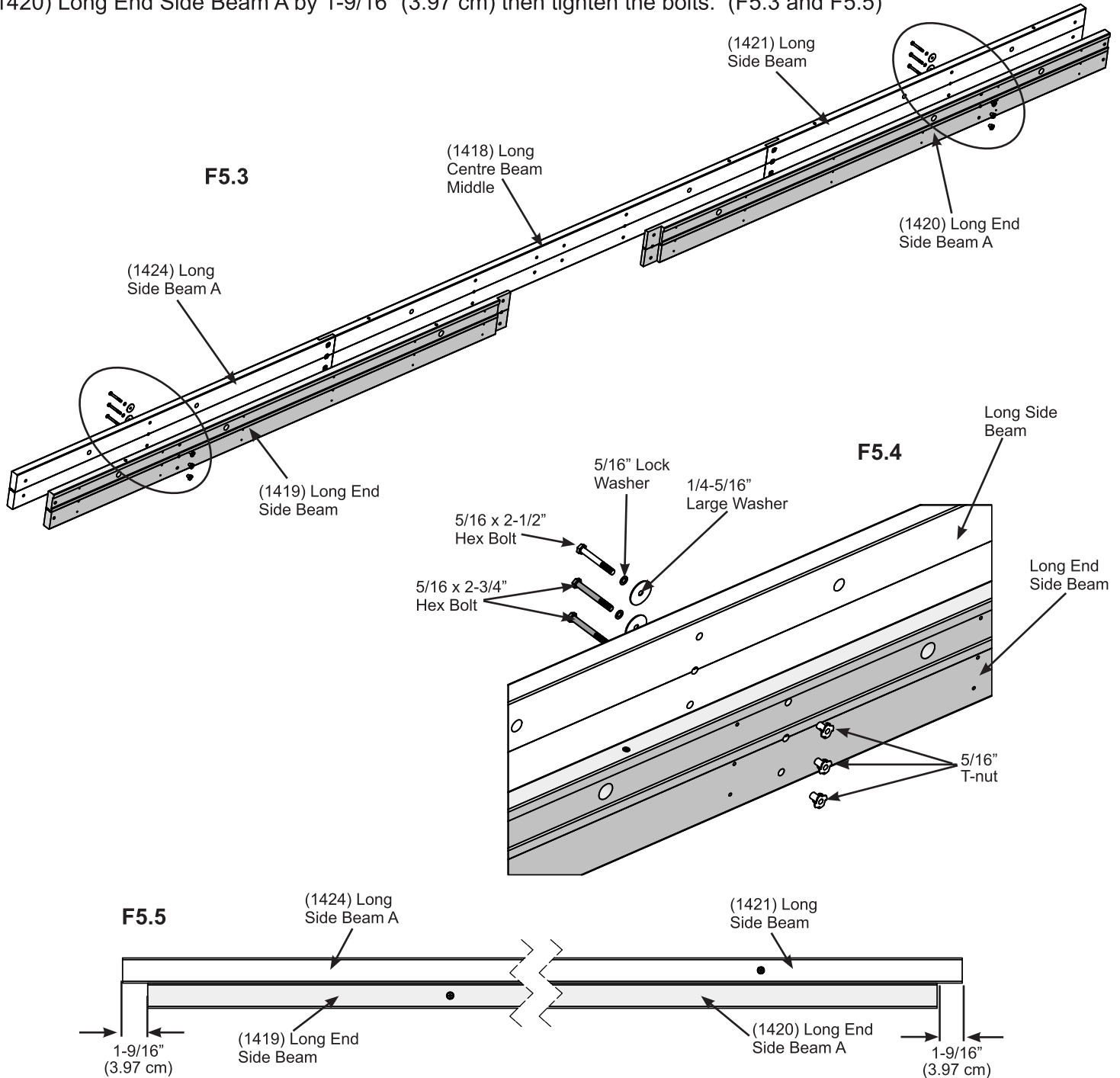
- 12 x 5/16 x 1-1/2" Hex Bolt
- (5/16" lock washer, 1/4-5/16" large washer, 5/16" t-nuts)

# Step 5: Long Beam Assembly Part 2



**B:** Place one (1419) Long End Side Beam on (1424) Long Side Beam A and one (1420) Long End Side Beam A on (1421) Long Side Beam. Make sure holes line up then on each end loosely attach with one 5/16 x 2-1/2" Hex Bolts (with 5/16" lock washer, 1/4-5/16" large washer and 5/16" t-nut) in the top holes and two 5/16 x 2-3/4" Hex Bolts (with 5/16" lock washer, 1/4-5/16" large washer and 5/16" t-nut) in the bottom hole. (F5.3 and F5.4)

**C:** Make sure (1424) Long Side Beam A and (1421) Long Side Beam overhang (1419) Long End Side Beam and (1420) Long End Side Beam A by 1-9/16" (3.97 cm) then tighten the bolts. (F5.3 and F5.5)



### Wood Parts

- 2 x (1420) Long End Side Beam A
- 2 x (1419) Long End Side Beam

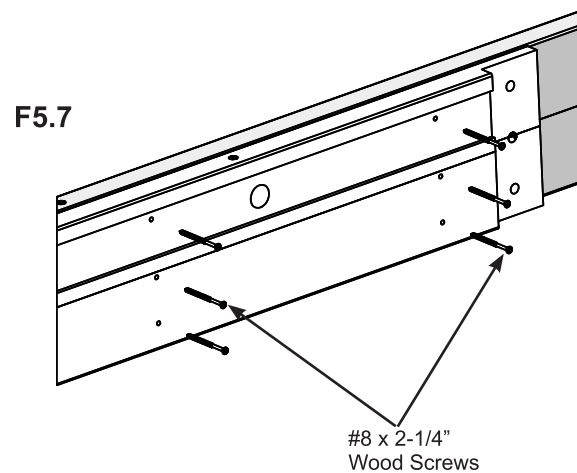
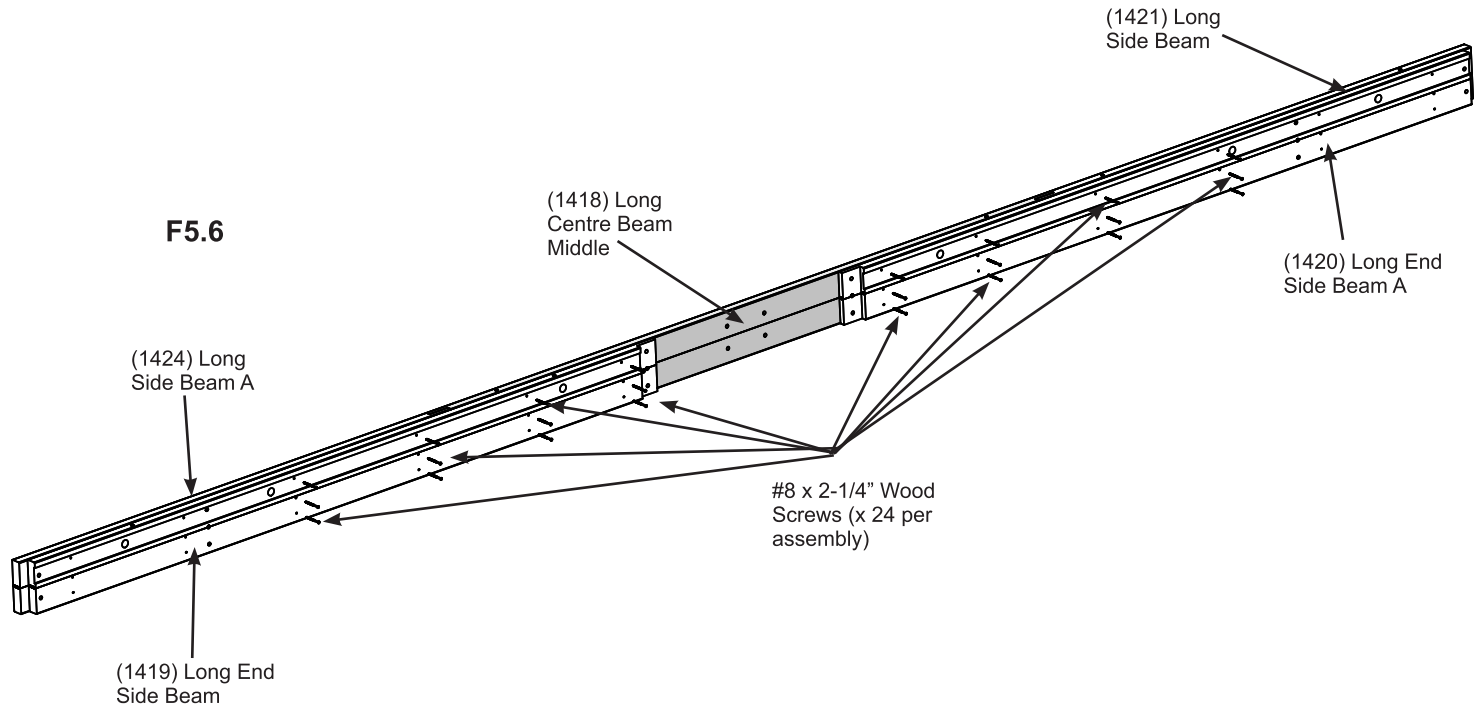
### Hardware

- 4 x 5/16 x 2-1/2" Hex Bolt  
 (5/16" lock washer, 1/4-5/16" large washer, 5/16" t-nuts)
- 8 x 5/16 x 2-3/4" Hex Bolt  
 (5/16" lock washer, 1/4-5/16" large washer, 5/16" t-nuts)

# Step 5: Long Beam Assembly Part 3

**D:** With t-nuts facing up fasten (1419) Long End Side Beam and (1420) Long End Side Beam A to (1418) Long Centre Beam Middle, (1421) Long Side Beam and (1424) Long Side Beam A with (24) #8 x 2-1/4" Wood Screws as shown below. (F5.6 and F5.7)

**E:** Repeat Steps A - D to make a second Long Beam Assembly.

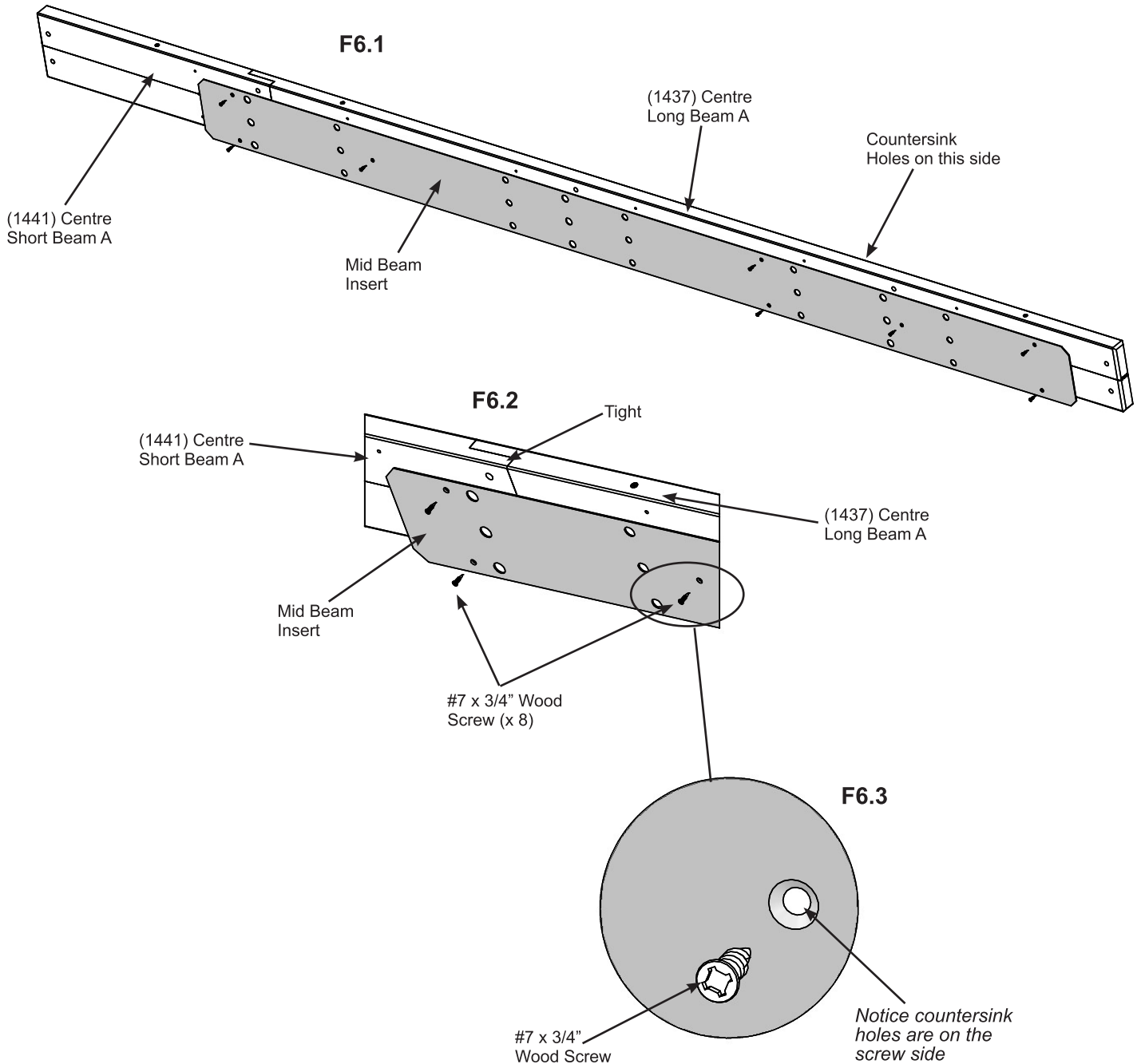


## Hardware

48 x #8 x 2-1/4" Wood Screw

# Step 6: Centre Beam Assembly Part 1

**A:** Connect (1441) Centre Short Beam A and (1437) Centre Long Beam A so the lap joints are tight. Place one Mid Beam Insert on top of boards making sure the holes line up and the countersink holes in (1437) Centre Long Beam A face out. The countersink holes in the Mid Beam Insert need to be up so the screw head sits flat along the surface after being installed. Attach Mid Beam Insert to (1441) Centre Short Beam A and (1437) Centre Long Beam A with eight #7 x 3/4" Wood Screws. This will be the Centre Beam A Assembly (F6.1, F6.2 and F6.3)



### Wood Parts

- 1 x (1437) Centre Long Beam A
- 1 x (1441) Centre Short Beam A

### Components

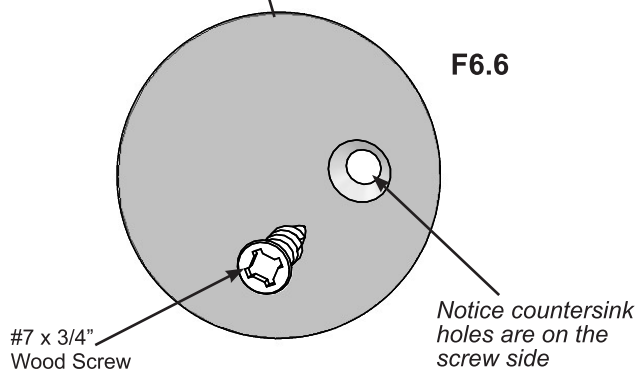
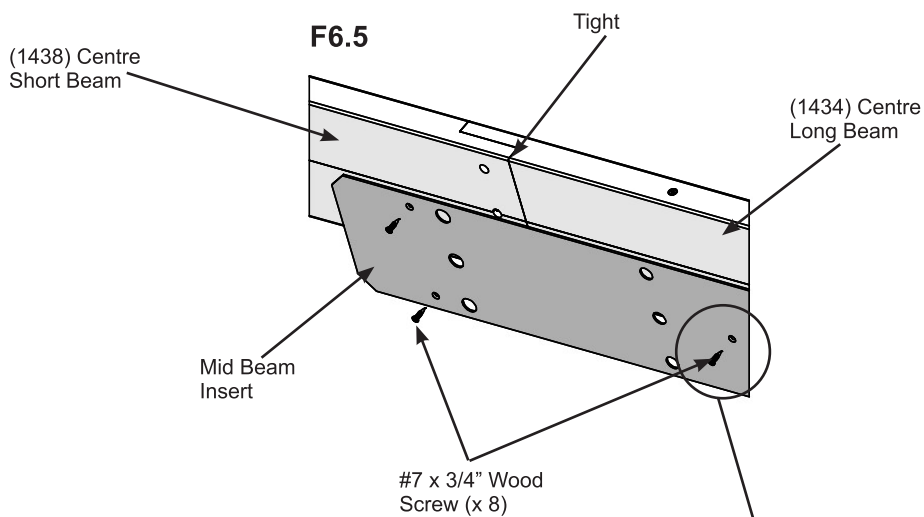
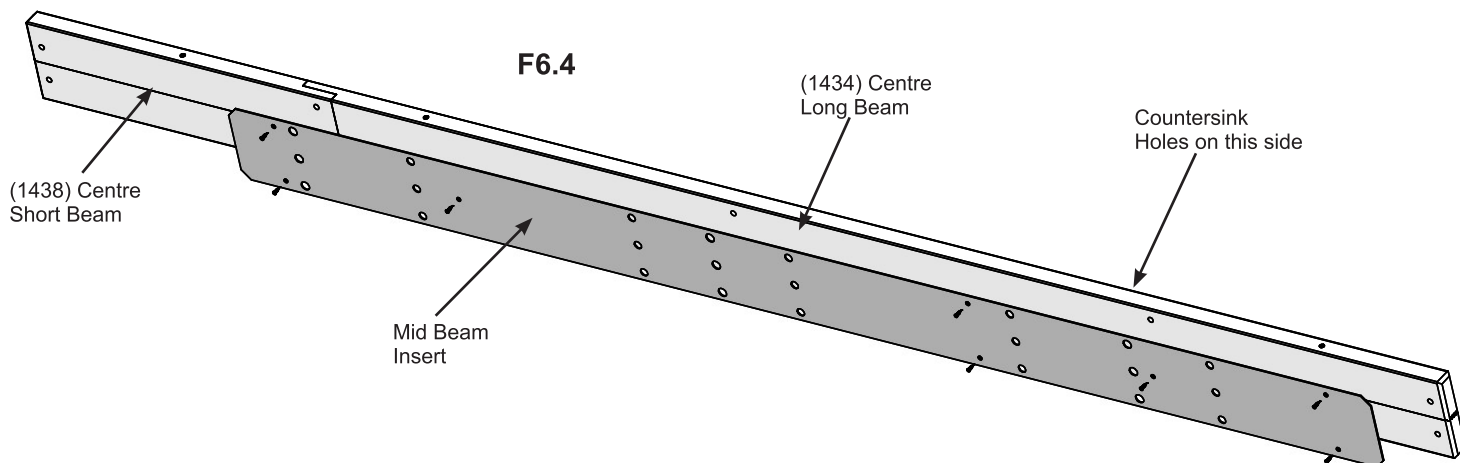
- 1 x Mid Beam Insert

### Hardware

- 8 x #7 x 3/4" Wood Screw

# Step 6: Centre Beam Assembly Part 2

**B:** Connect (1438) Centre Short Beam and (1434) Centre Long Beam so the lap joints are tight. Place one Mid Beam Insert on top of boards making sure the holes line up and the countersink holes in (1434) Centre Long Beam face out. The countersink holes in the Mid Beam Insert need to be up so the screw head sits flat along the surface after being installed. Attach Mid Beam Insert to (1438) Centre Short Beam and (1434) Centre Long Beam with eight #7 x 3/4" Wood Screws. This will be the Centre Beam B Assembly (F6.4, F6.5 and F6.6)



### Wood Parts

- 1 x (1434) Centre Long Beam
- 1 x (1438) Centre Short Beam

### Components

- 1 x Mid Beam Insert

### Hardware

- 8 x #7 x 3/4" Wood Screw

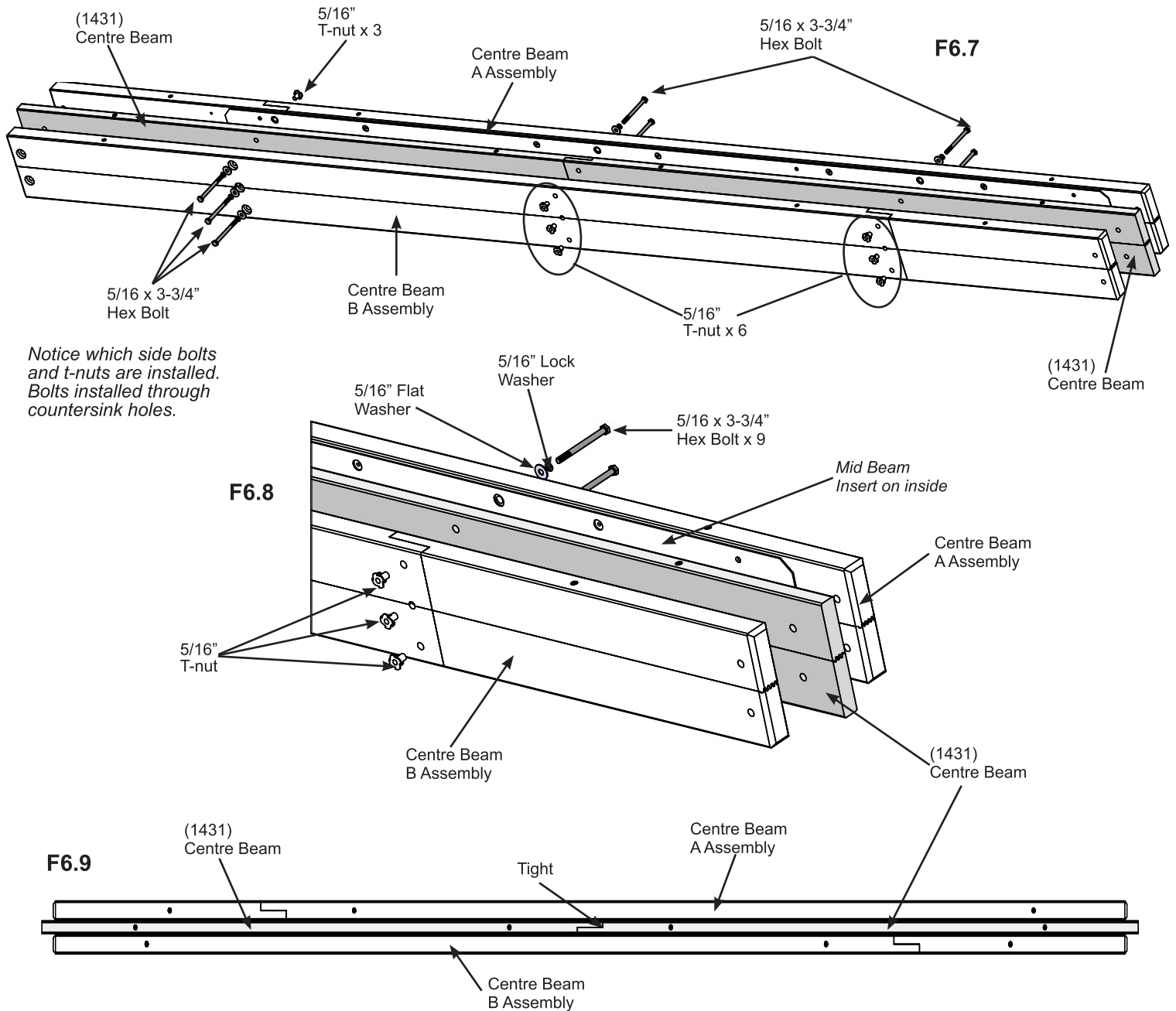
# Step 6: Centre Beam Assembly

## Part 3

**C:** Place Centre Beam A Assembly next to Centre Beam B Assembly with Mid Beam Inserts facing in. (F6.7)

**D:** Place two (1431) Centre Beams together, with lap joints tight, between the Centre Beam Assembly A and B. (F6.7 and F6.9)

**E:** Install three 5/16 T-nuts into Centre Beam A Assembly. Install six 5/16 T-nuts into Centre Beam B Assembly. T-nuts are installed in the non-countersink holes. Attach together with nine 5/16 x 3-3/4" Hex Bolts (with 5/16" lock washer and 5/16" flat washer) in the middle holes, bolts installed in countersink holes and attaching to t-nuts. This assembly is the Centre Beam Assembly. (F6.7, F6.8 and F6.9)



### Wood Parts

2 x (1431) Centre Beam

### Hardware

9 x 5/16 x 3-3/4" Hex Bolt  
 (5/16" lock washer, 5/16" flat washer,  
 5/16" t-nuts)



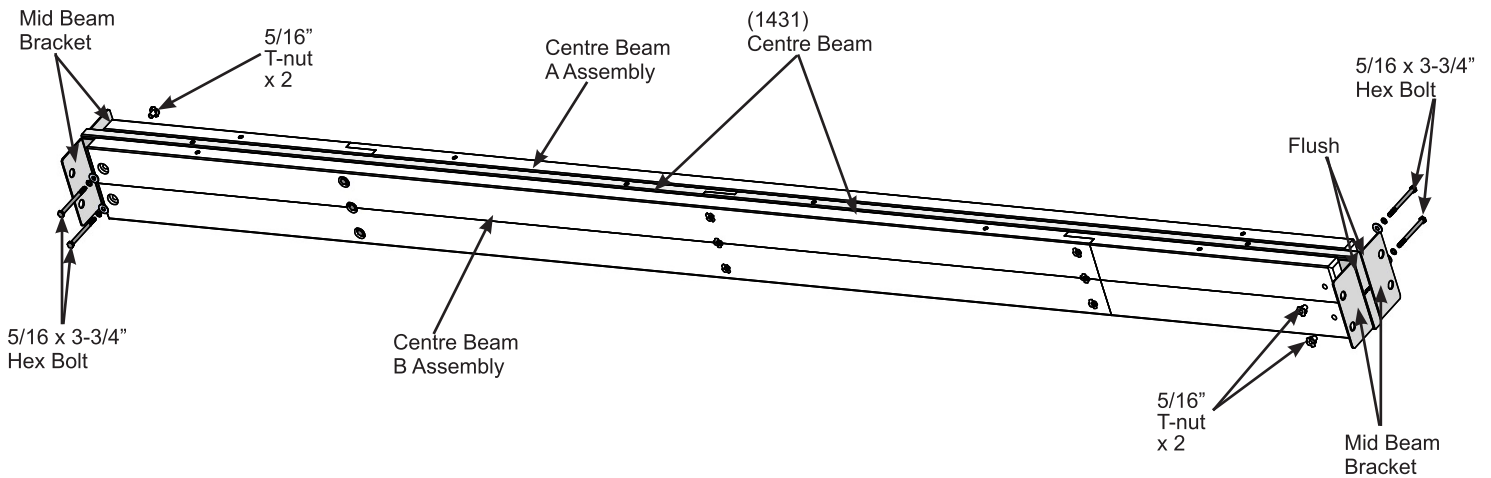
# Step 6: Centre Beam Assembly

## Part 4

**F:** Install two 5/16 T-nuts into Centre Beam A Assembly and two 5/16 T-nuts into Centre Beam B Assembly. T-nuts are installed in the non-countersink holes. (F6.10 and F6.11)

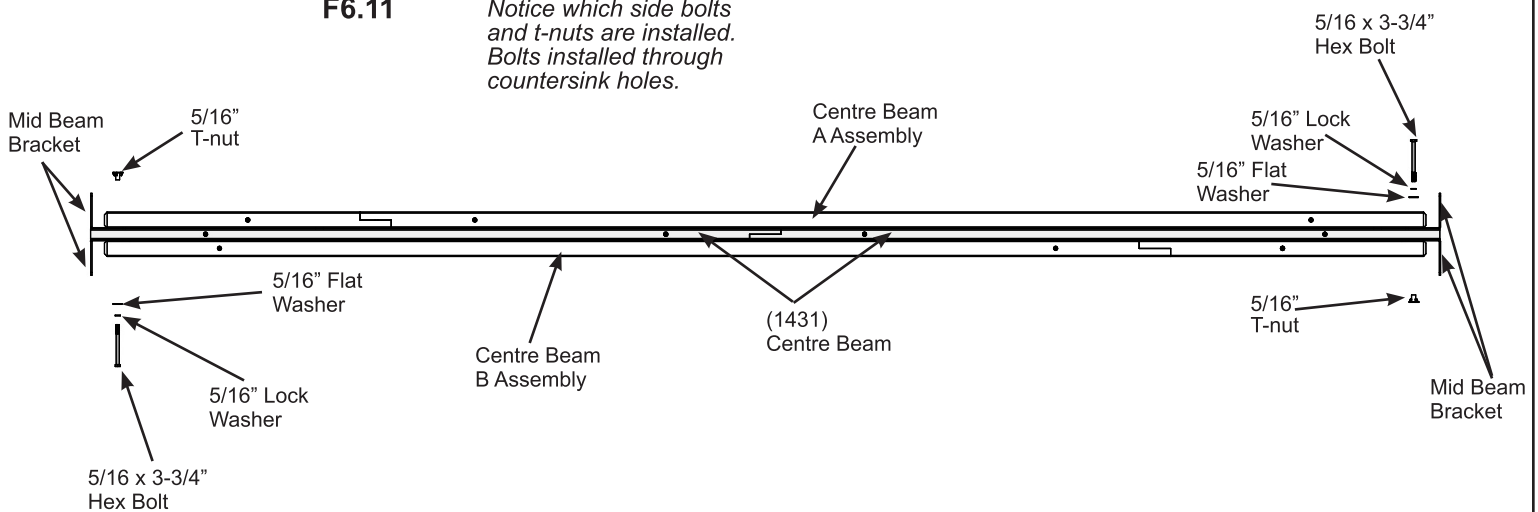
**G:** At each end of the Centre Beam Assembly insert two Mid Beam Brackets with the short side facing out and flush with the end of (1431) Centre Beam. Attach with two 5/16 x 3-3/4" Hex Bolts (with 5/16" lock washer and 5/16" flat washer) per end, bolts installed in countersink holes and attaching to t-nuts. (F6.10 and F6.11)

**F6.10**



**F6.11**

*Notice which side bolts and t-nuts are installed. Bolts installed through countersink holes.*



**Components**

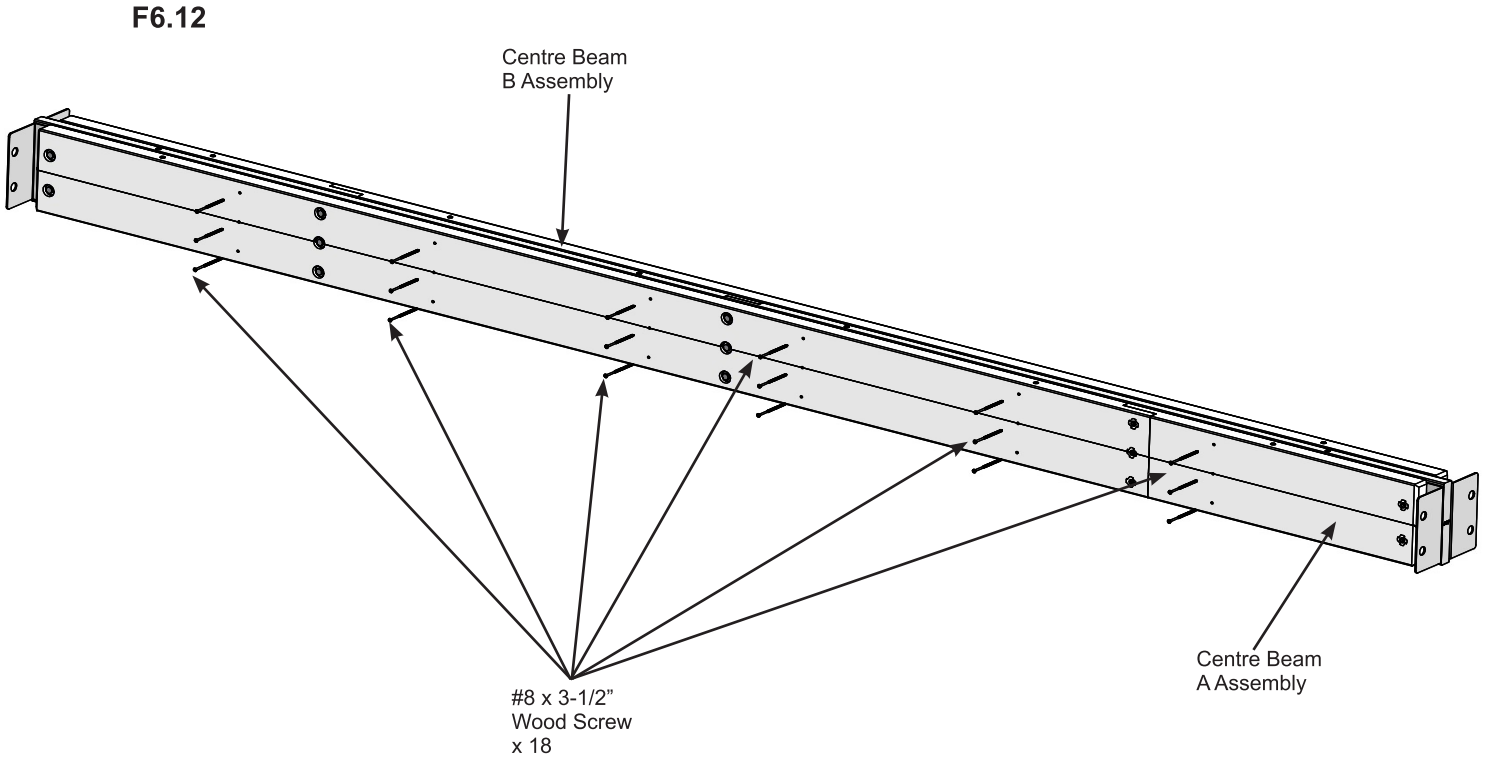
4 x Mid Beam Bracket

**Hardware**

4 x 5/16 x 3-3/4" Hex Bolt  
(5/16" lock washer, 5/16" flat washer, 5/16" t-nuts)

# Step 6: Centre Beam Assembly Part 5

H: Secure Centre Beam Assembly with (18) #8 x 3-1/2" Wood Screws through Centre Beam A Assembly. (F6.12)

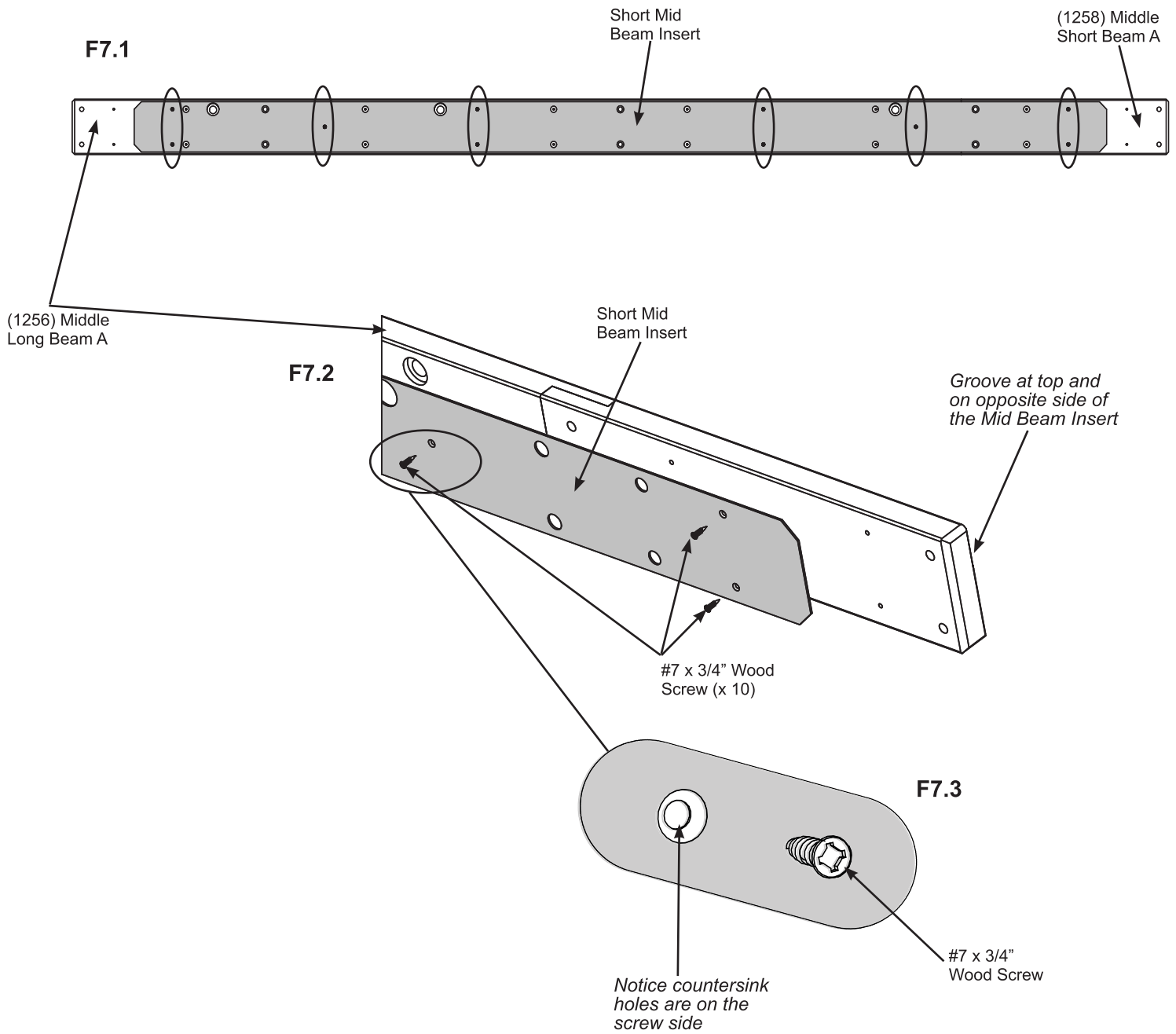


## Hardware

18 x #8 x 3-1/2" Wood Screw

# Step 7: Middle Beam Assembly Part 1

**A:** Connect (1256) Middle Long Beam A and (1258) Middle Short Beam A so the lap joints are tight and the groove is at the top. Place Short Mid Beam Insert on top of boards making sure the holes line up. The countersink holes in the Short Mid Beam Insert need to be up so the screw head sits flat along the surface after being installed. Attach Short Mid Beam Insert to (1256) Middle Long Beam A and (1258) Middle Short Beam A with (10) #7 x 3/4" Wood Screws. This will be the Middle Beam A Assembly (F7.1, F7.2 and F7.3)



### Wood Parts

2 x (1256) Middle Long Beam A  
2 x (1258) Middle Short Beam A

### Components

2 x Short Mid Beam Insert

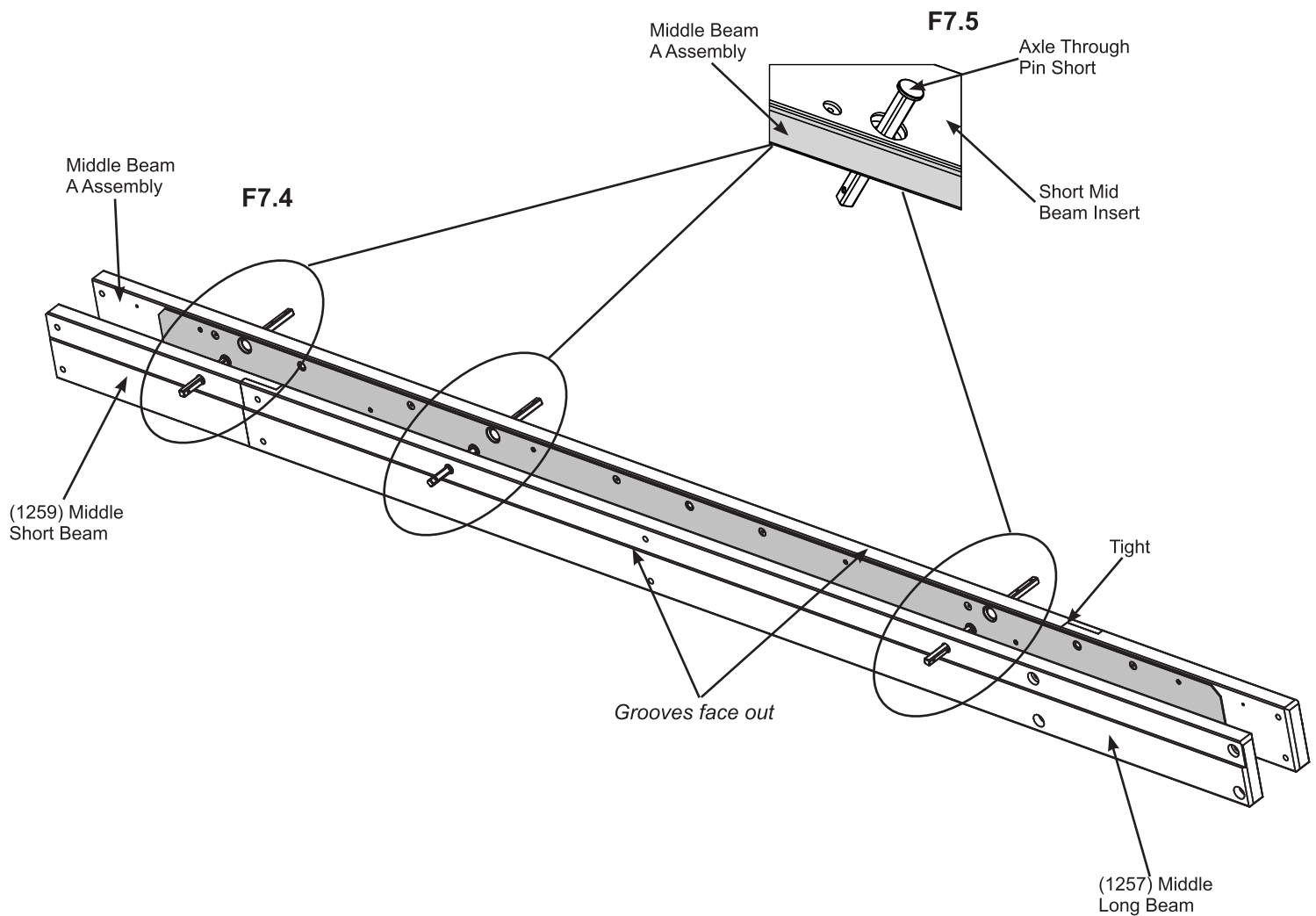
### Hardware

20 x #7 x 3/4" Wood Screw

## Step 7: Middle Beam Assembly Part 2

**B:** Place Middle Beam A Assembly on edge then place (1257) Middle Long Beam and (1259) Middle Short Beam beside the assembly, with lap joints tight and grooves face out. Short Mid Beam Insert should be between boards. (F7.4)

**C:** Place three Axle Through Pin Short through Short Mid Beam Insert, two Axle Through Pin Short through (1257) Middle Long Beam and one through (1259) Middle Short Beam from the inside out. (F7.4 and F7.5)



### Wood Parts

2 x (1257) Middle Long Beam  
2 x (1259) Middle Short Beam

### Components

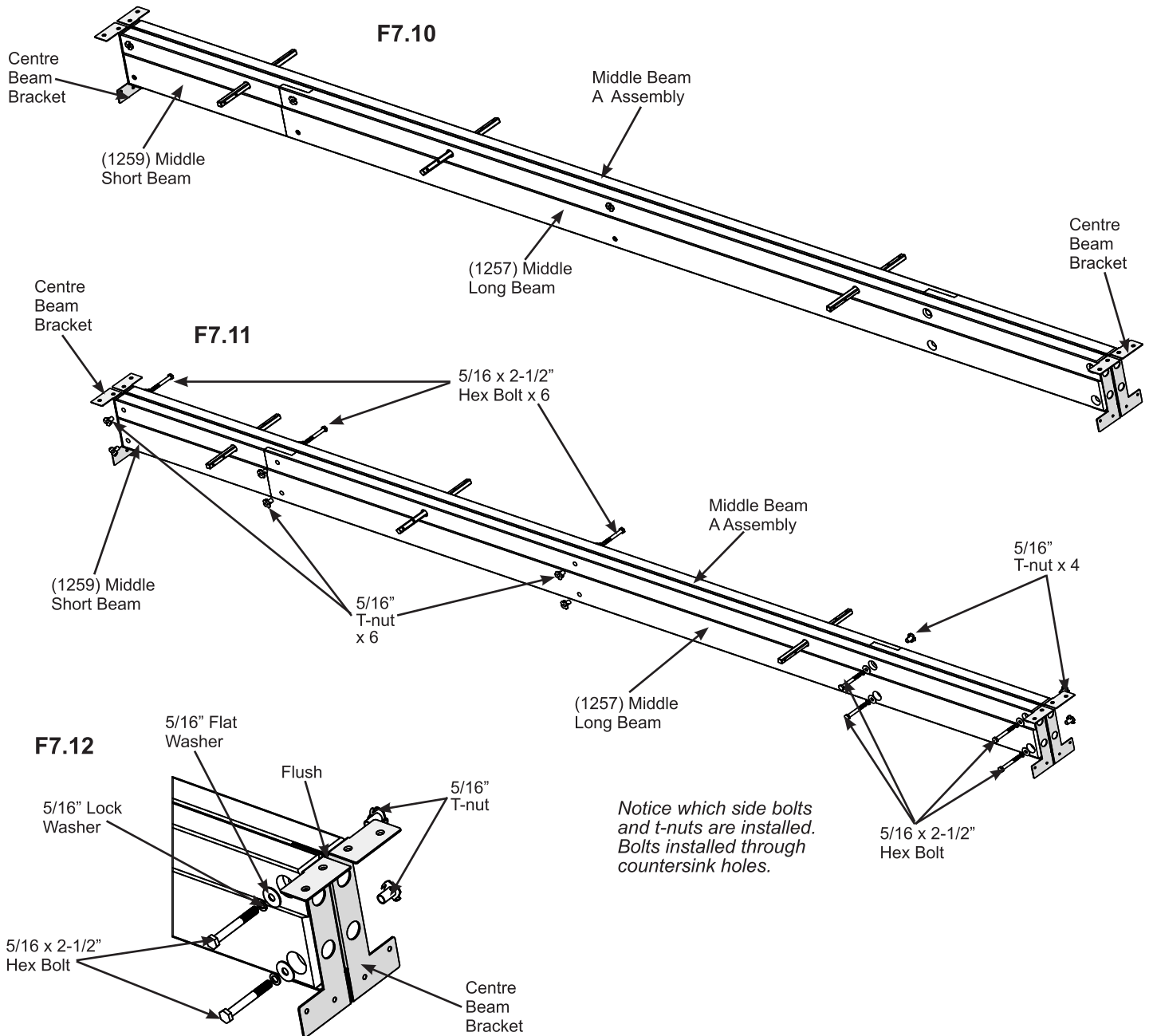
12 x Axle Through Pin Short

# Step 7: Middle Beam Assembly

## Part 3

**D:** At each end of the Middle Beam Assembly insert one Centre Beam Bracket, the top of the bracket to be flush to the top of the assembly.

**E:** Install four 5/16 T-nuts into Middle Beam A Assembly, four to (1257) Middle Long Beam and two to (1259) Middle Short Beam. T-nuts are installed in the non-countersink holes. Attach with (10) 5/16 x 2-1/2" Hex Bolts (with 5/16" lock washer and 5/16" flat washer), bolts installed in countersink holes and attaching to t-nuts. This assembly is the Middle Beam Assembly. (F7.10, F7.11 and F7.12)



### Components

4 x Centre Beam Bracket

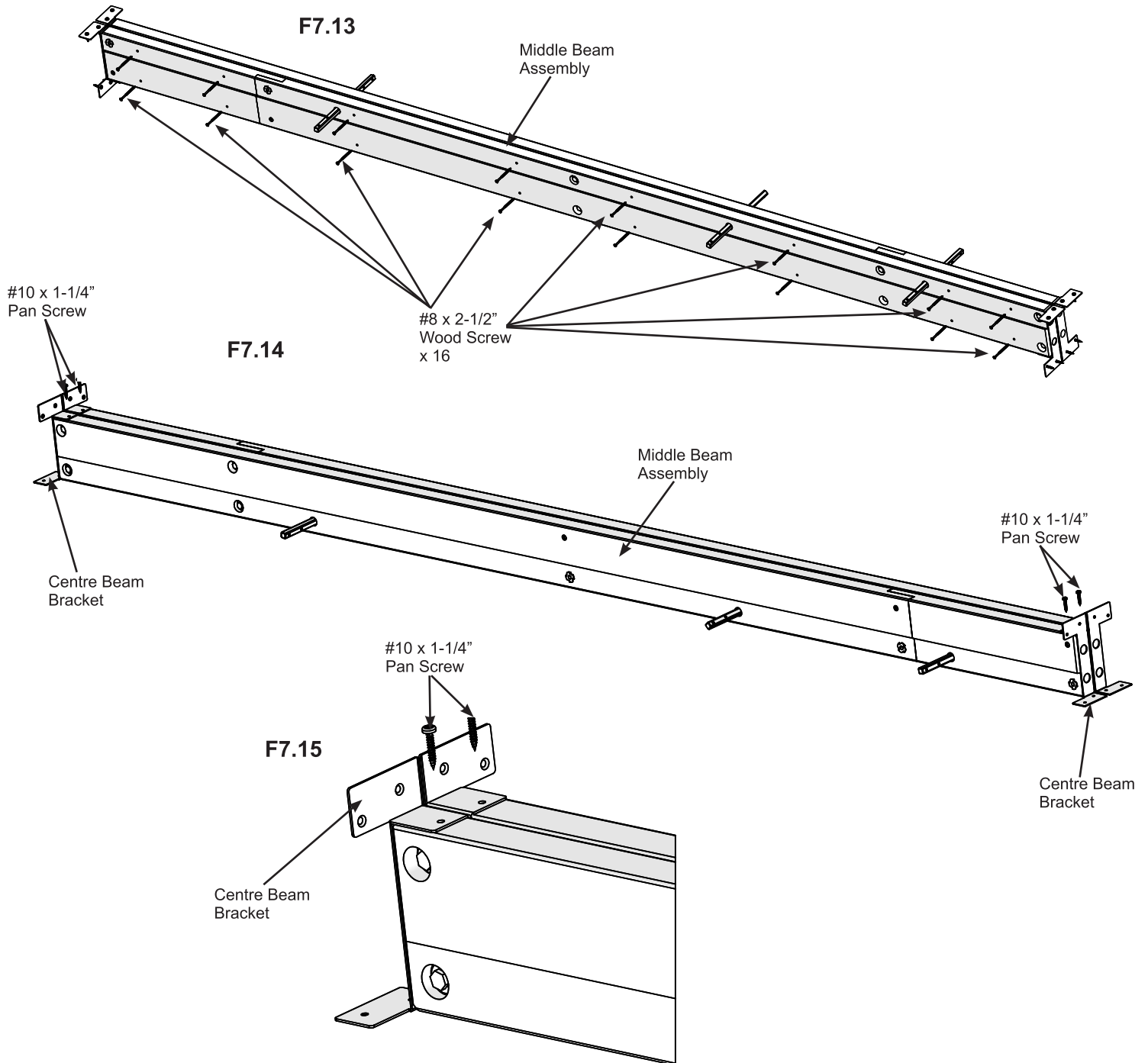
### Hardware

20 x 5/16 x 2-1/2" Hex Bolt  
(5/16" lock washer, 5/16" flat washer,  
5/16" t-nuts)

# Step 7: Middle Beam Assembly Part 4

**F:** Secure Middle Beam Assembly with (16) #8 x 2-1/2" Wood Screws and each Centre Beam Bracket with two #10 x 1-1/4" Pan Screws as shown in F7.13, F7.14 and F7.15.

**G:** Repeat Steps A to F to make a second Middle Beam Assembly.



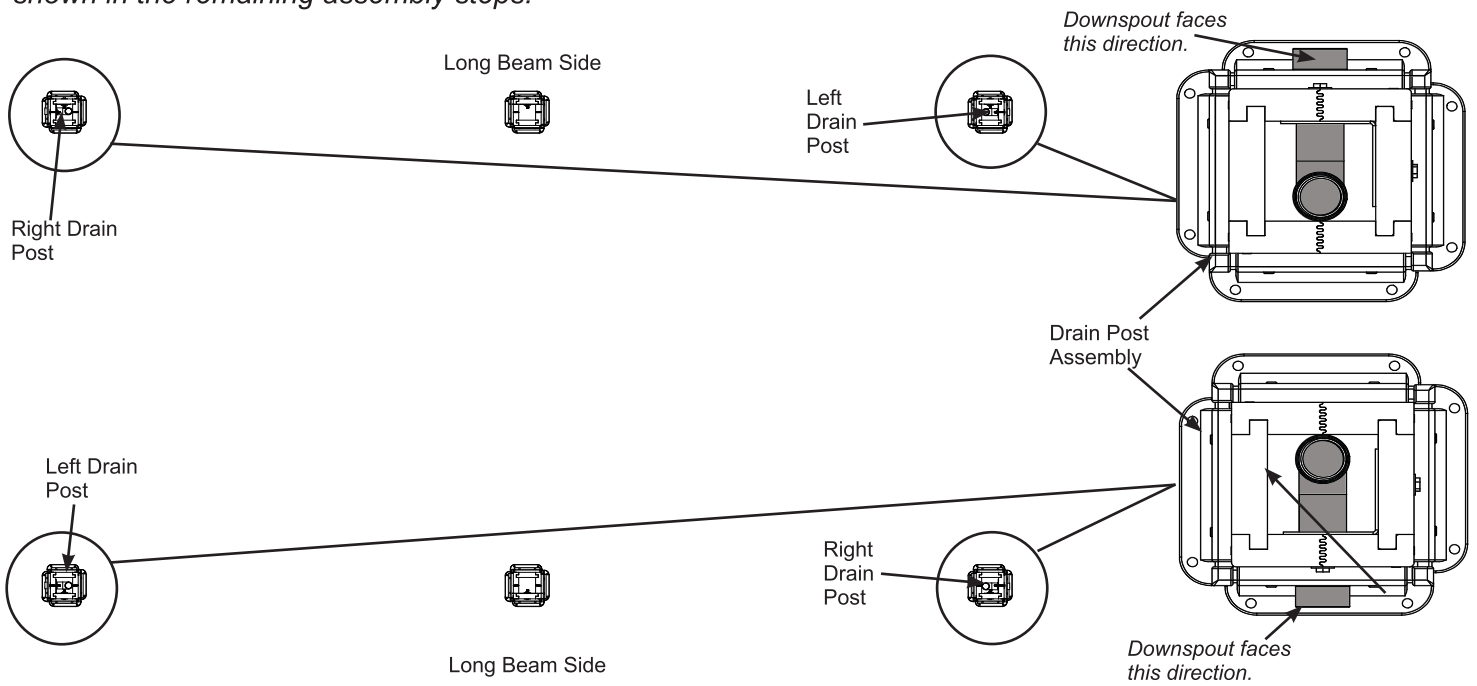
### Hardware

32 x #8 x 2-1/2" Wood Screw  
8 x #10 x 1-1/4" Pan Screw

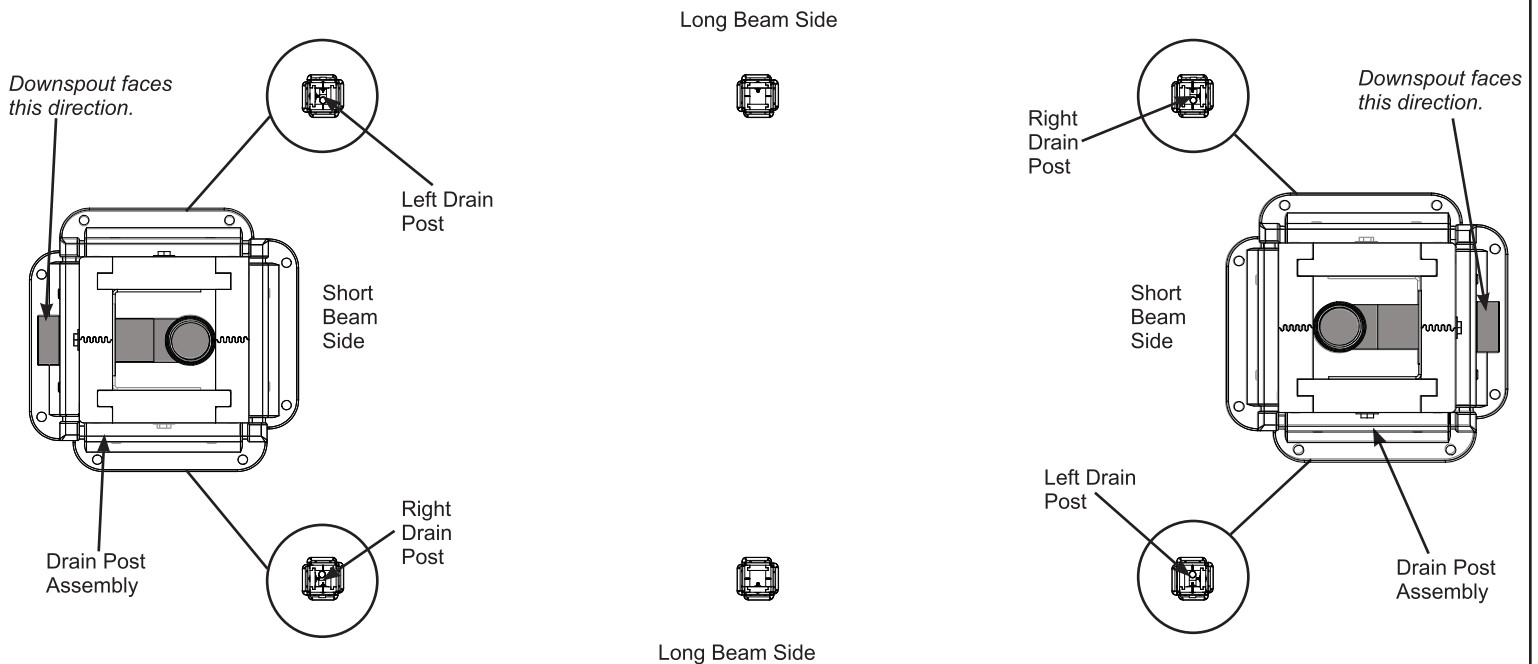
# Step 8: Post Placement

There are 2 options for the post placement. See Below:

**Option 1** shows the drains downspout exiting on the Long Beam sides. *This is the post placement which will be shown in the remaining assembly steps.*



**Option 2** shows the drains downspout exiting on opposite Short Beam sides.



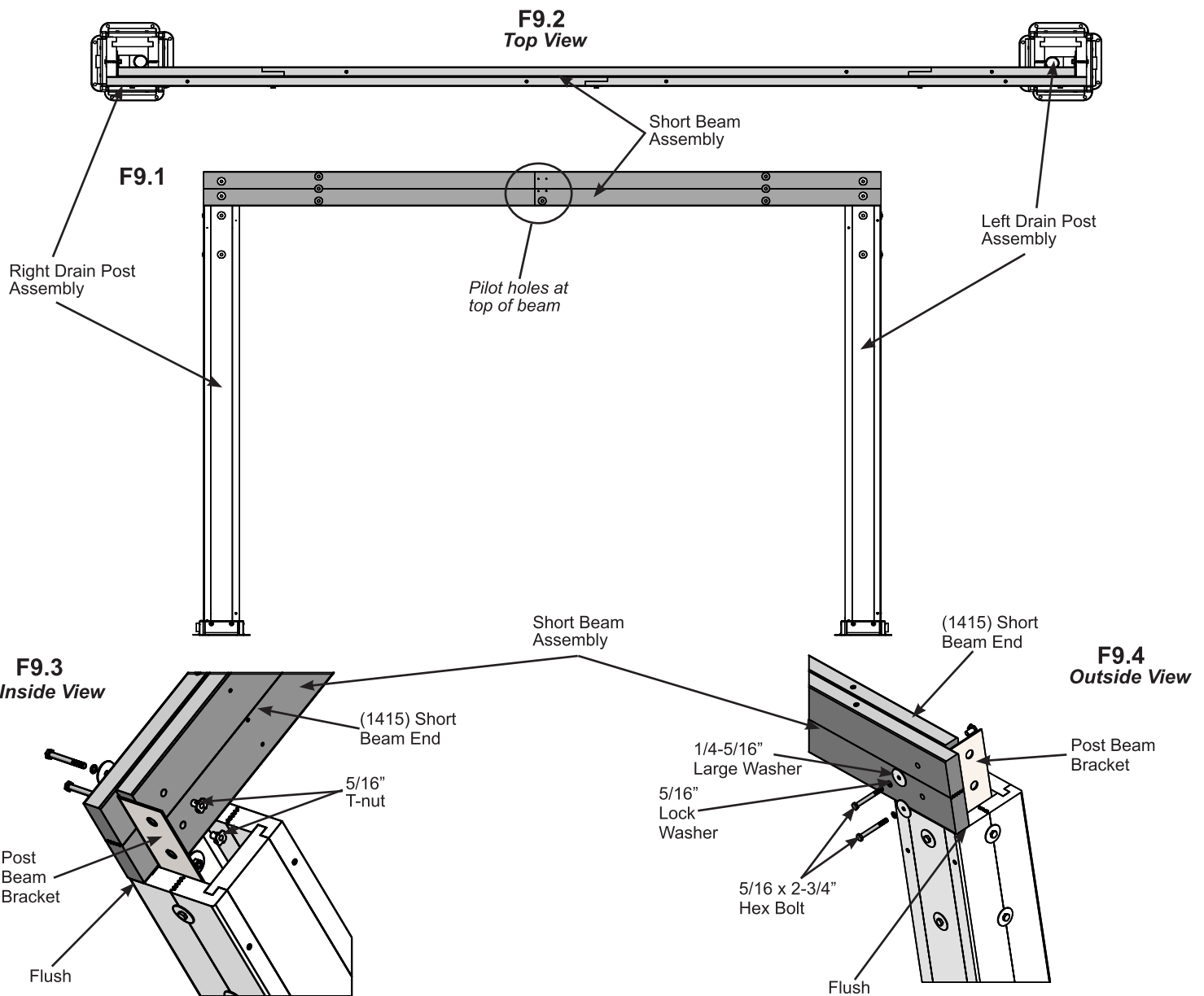
# Step 9: Short Beam/Post Assembly Part 1



**A:** At each end of the the Short Beam Assembly in the (1415) Beam Ends intall two 5/16" T-nuts. (F9.3)

**B:** Slide Short Beam Assembly onto Post Beam Brackets with center pilot holes at top of beam, flush to the side of Right and Left Drain Post Assemblies. T-nuts face away from brackets and beam to be tight to top of posts. (F9.1, F9.2 and F9.3)

**C:** Make sure beam is square to posts then attach Short Beam Assembly to brackets with four 5/16 x 2-3/4" Hex Bolts (with 5/16" lock washer and 1/4-5/16" large washer). The bolts will connect to the previously installed t-nuts. (F9.1, F9.2 and F9.4)

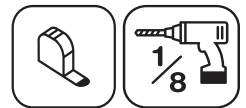


### Hardware

8 x 5/16 x 2-3/4" Hex Bolt  
(5/16" lock washer, 1/4-5/16" large washer, 5/16" t-nuts)



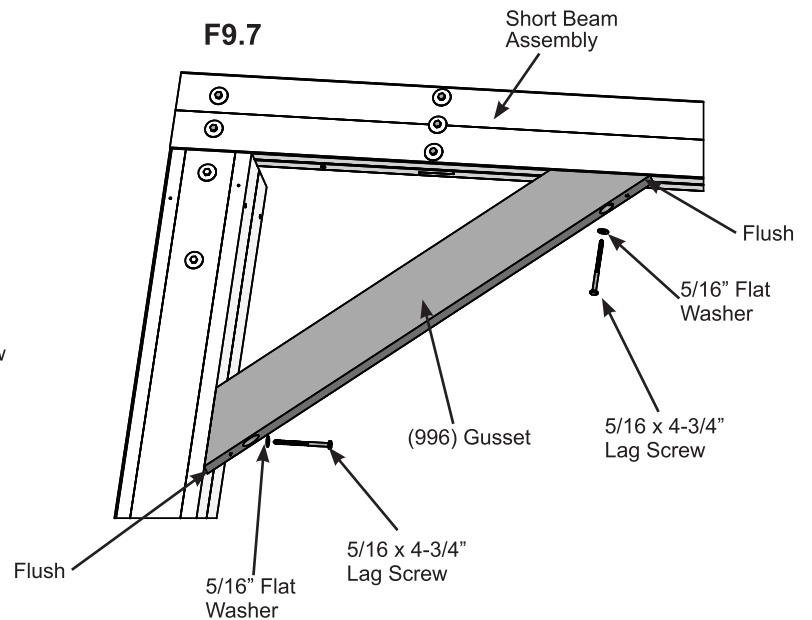
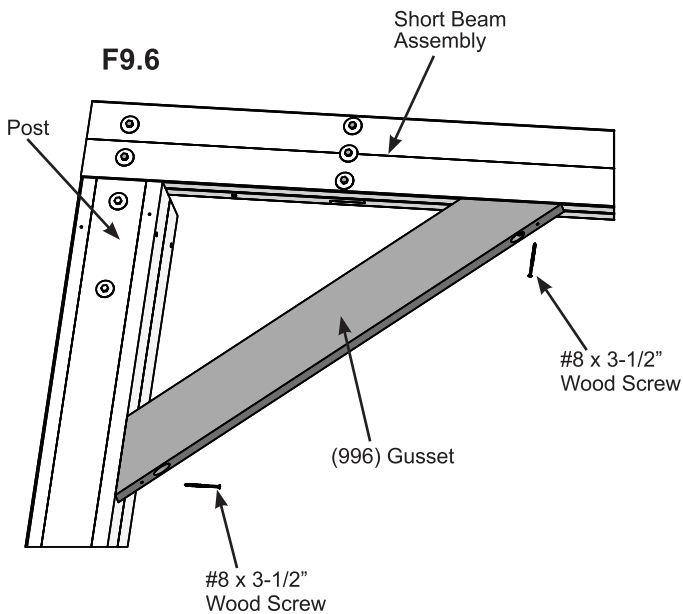
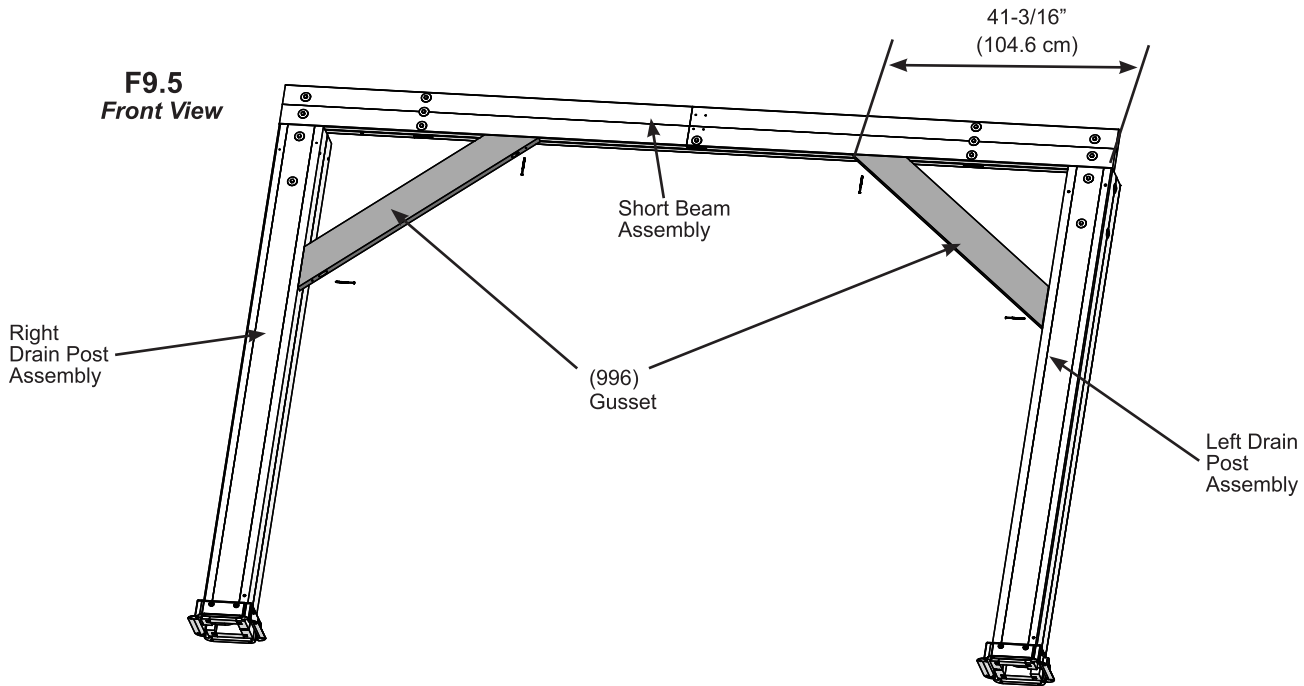
# Step 9: Short Beam/Post Assembly Part 2



**D:** Along Short Beam Assembly measure  $41\text{-}3/16"$  ( $104.6\text{ cm}$ ) from the outside of the beam. Place one (996) Gusset flush to front of Short Beam Assembly at marked location and flush to the front of the post. Attach gusset to Short Beam Assembly and post with two #8 x 3-1/2" Wood Screws. Pre-drill with a 1/8" drill bit then attach gusset with two 5/16 x 4-3/4" Lag Screws (with 5/16" flat washer). (F9.5, F9.6 and F9.7)

**E:** Repeat Step D for second (996) Gusset on Short Beam Assembly.

**F:** Repeat Steps D and E for a second Short Beam/Post Assembly.



### Wood Parts

4 x (996) Gusset

### Hardware

8 x #8 x 3-1/2" Wood Screw

8 x 5/16 x 4-3/4" Lag Screw (5/16" flat washer)

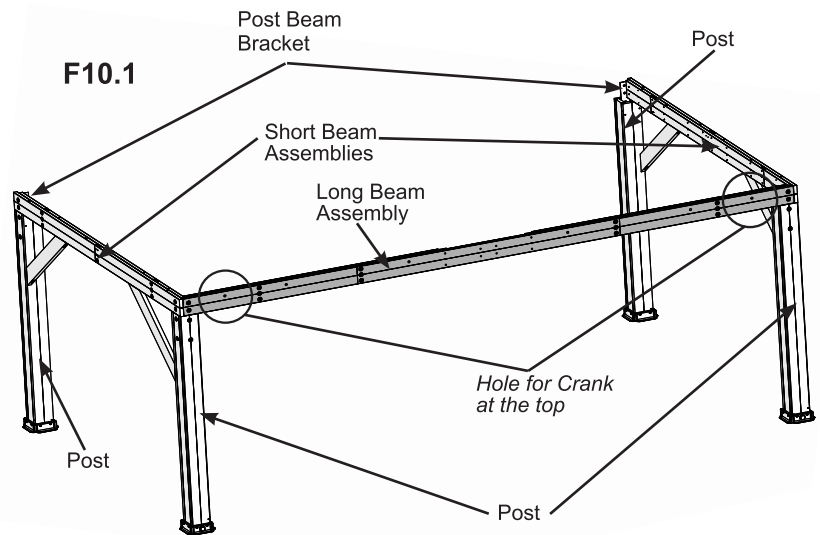
# Step 10: Long Beam/Post Assembly Part 1



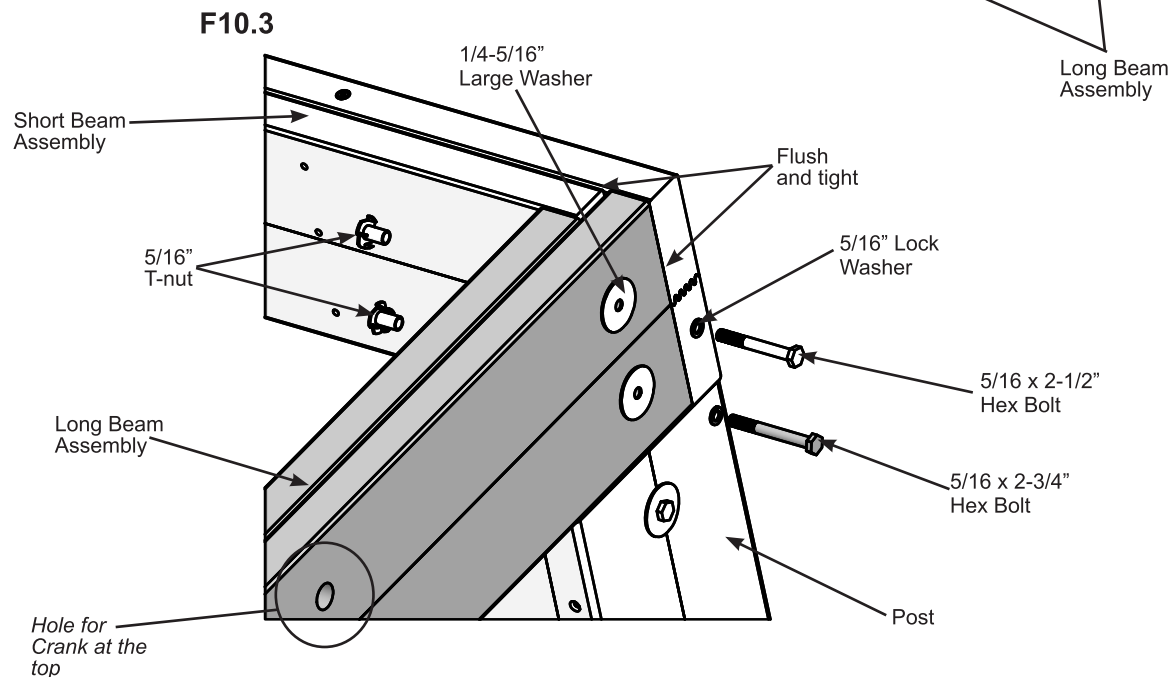
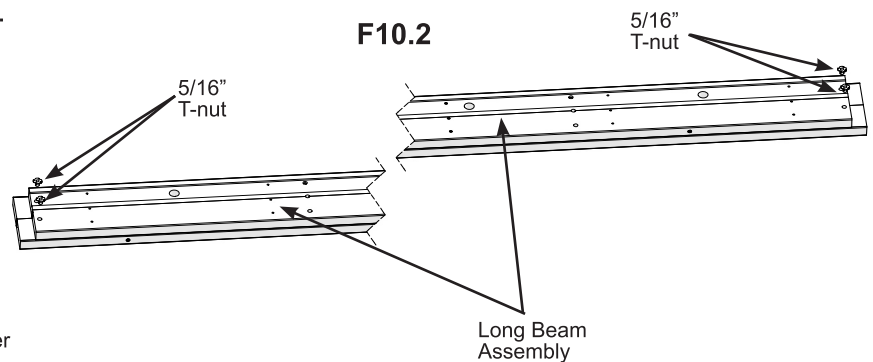
**Move Short Beam/Post Assemblies to the final location.**

**A:** On both Long Beam Assemblies tap two 5/16" T-nuts into each end. T-nuts should be installed on the same side as previous t-nuts are installed. (F10.2)

**B:** With helpers stand up Short Beam/Post Assemblies then slide Long Beam Assembly onto Post Beam Bracket, tight to Short Beam Assemblies and flush to the tops and outside corners of Short Beam Assemblies. Attach Long Beam Assembly to Post Beam Brackets with one 5/16 x 2-3/4" Hex Bolts (with 5/16" lock washer and 1/4-5/16" large washer) in the bottom hole and one 5/16 x 2-1/2" Hex Bolts (with 5/16" lock washer and 1/4-5/16" large washer) in the top hole, per corner. The bolts will connect to the previously installed t-nuts. (F10.1 and F10.3)



**Note: The Groove and the Hole for Crank at the top of beam**



### Hardware

- 4 x 5/16 x 2-1/2" Hex Bolt  
(5/16" lock washer, 1/4-5/16" large washer, 5/16" t-nuts)
- 4 x 5/16 x 2-3/4" Hex Bolt  
(5/16" lock washer, 1/4-5/16" large washer, 5/16" t-nuts)

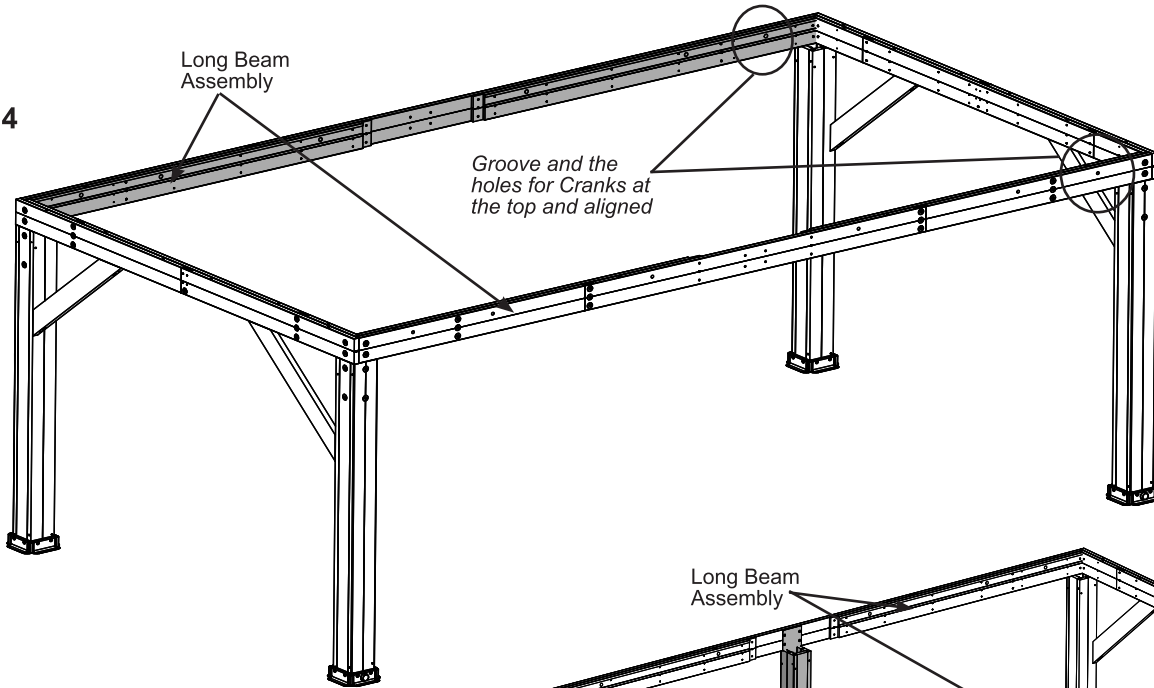
# Step 10: Long Beam/Post Assembly Part 2



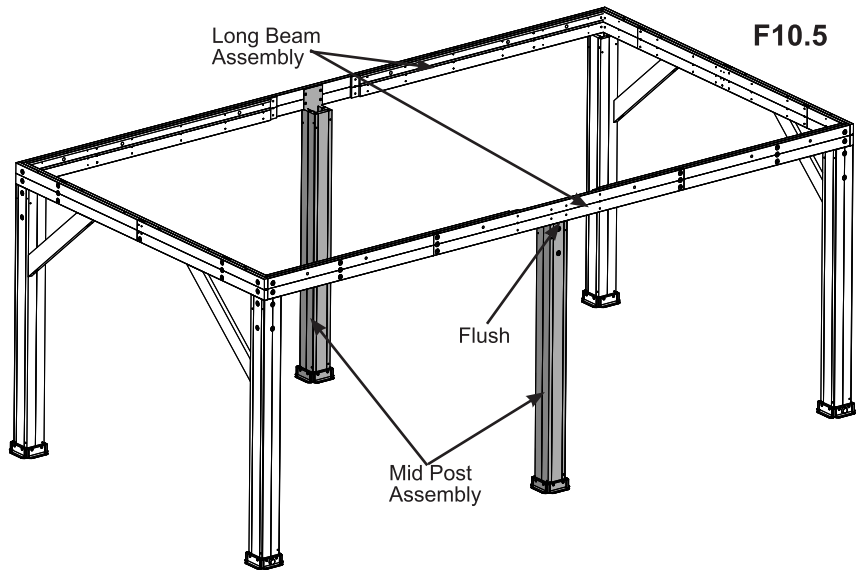
**C:** Repeat Step A to B for second Long Beam Assembly. Make sure the groove and the holes for the crank are at the top and aligned. (F10.4)

**D:** With a helper stand up two Mid Post Assemblies and place them in the center of the long beams so that the center holes in (1418) Long Centre Beam Middle line up with holes in the Mid Beam Flat Bracket. (F10.5 and F10.6)

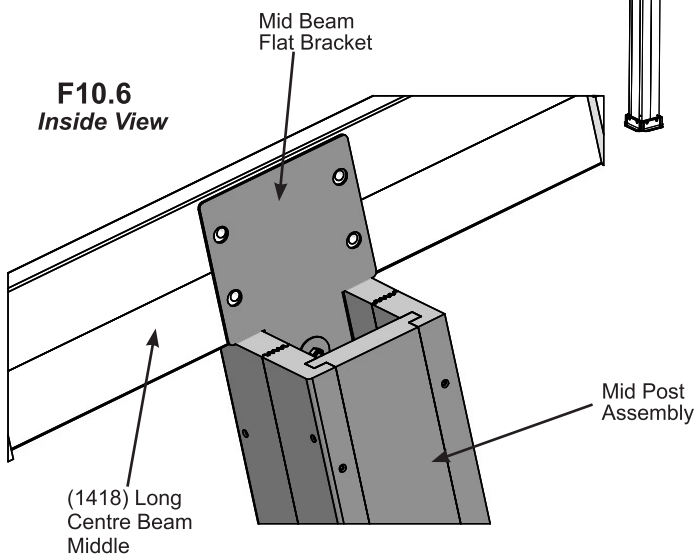
**F10.4**



**F10.5**



**F10.6**  
*Inside View*

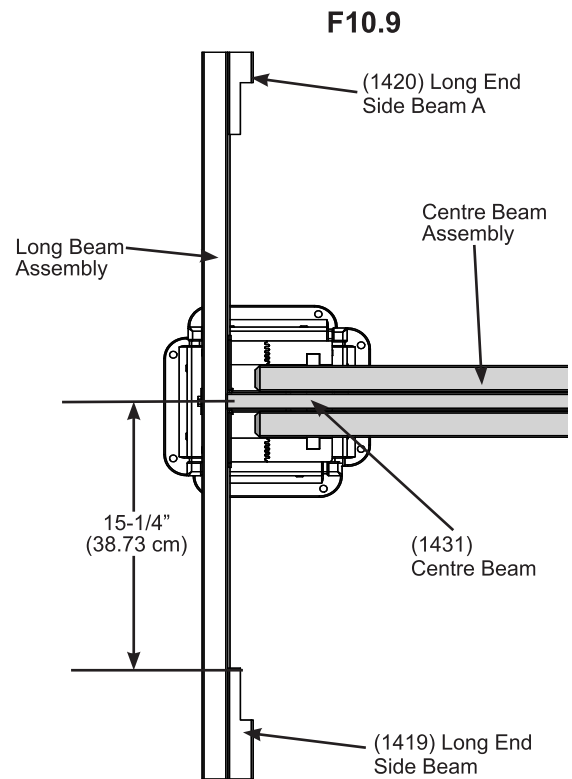
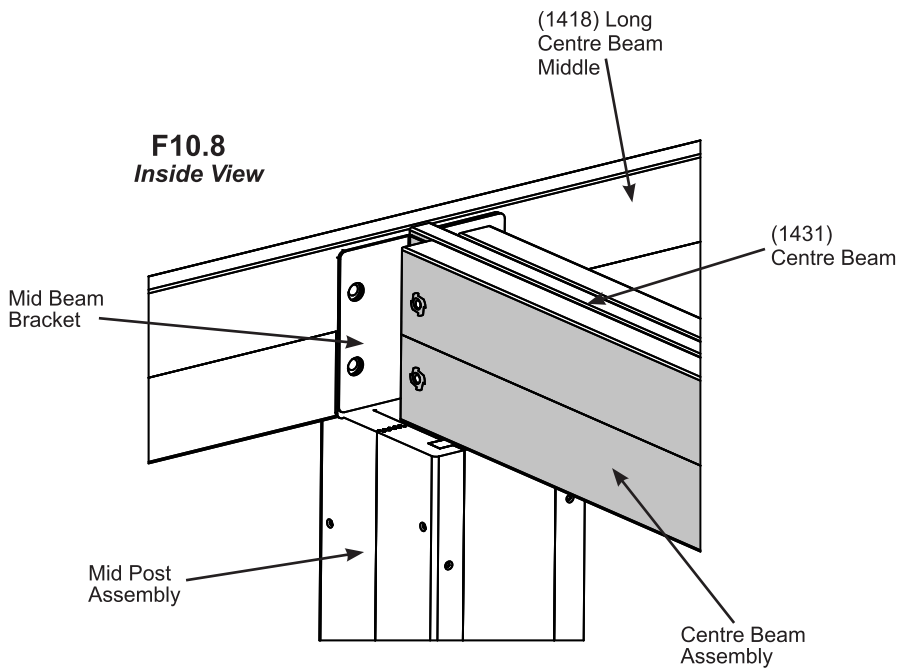
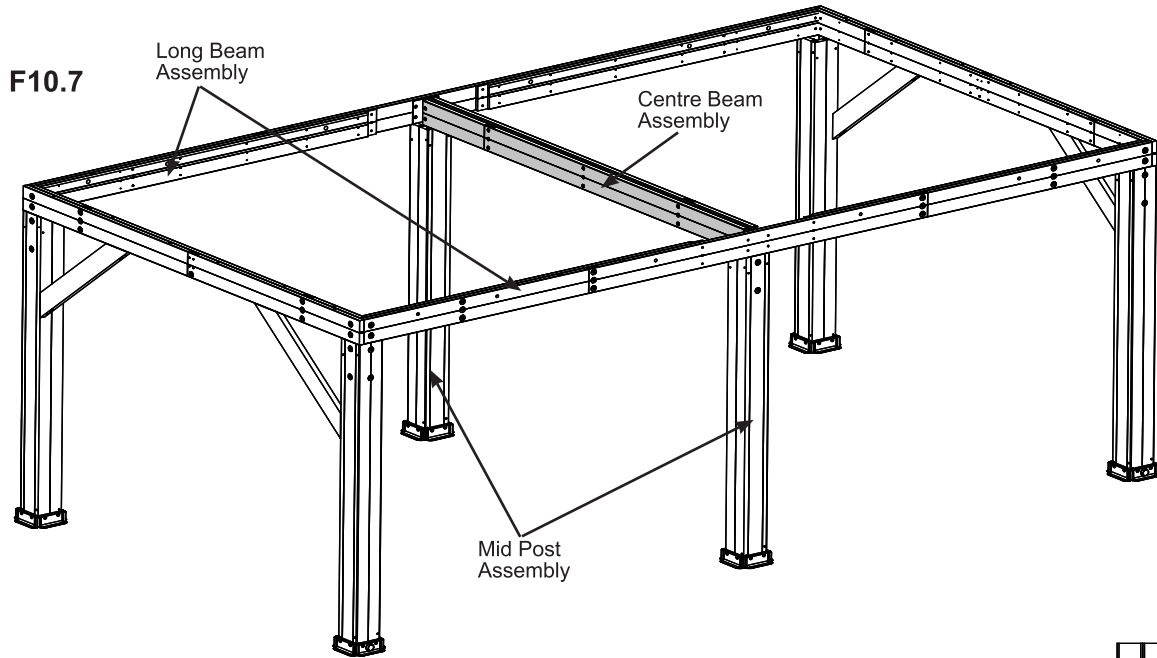


# Step 10: Long Beam/Post Assembly Part 3



**E:** At the end of the lap on (1419) Long End Side Beam, measure 15-1/4" (38.73 cm) and mark the center of both Long Beam Assemblies. (F10.9)

**F:** With a helper lift the Centre Beam Assembly onto the Mid Post Assemblies so the holes in the Mid Beam Brackets line up with the holes in (1418) Long Centre Beam Middle and the (1431) Centre Beam lines up with the mark. (F10.7, F10.8 and F10.9)



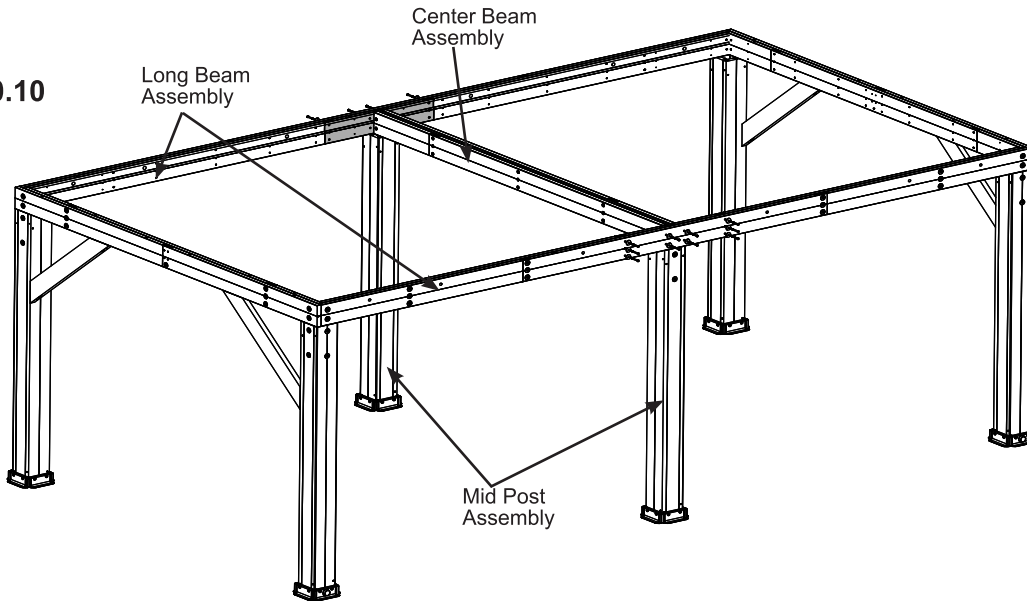
# Step 10: Long Beam/Post Assembly Part 4



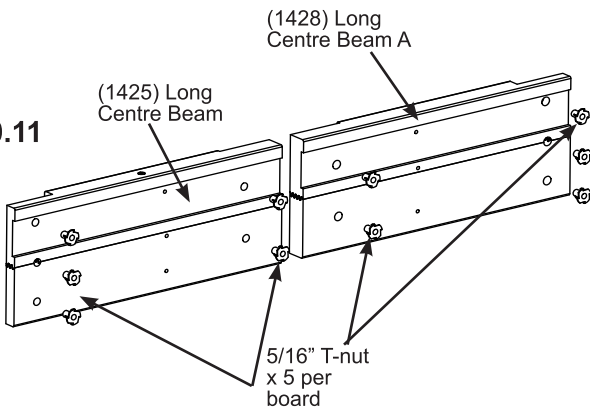
**F:** On two (1425) Long Centre Beams and two (1428) Long Centre Beam A's tap five 5/16" T-nuts into each board. T-nuts should be installed on the same side as the groove. (F10.11 and F10.12)

**G:** Place one (1425) Long Centre Beam and one (1428) Long Centre Beam A on each side of the Center Beam Assemblies, on both Long Beam Assemblies, so the holes align and the laps are tight. Attach with three 5/16 x 2-3/4" Hex Bolts (with 5/16" lock washer and 1/4-5/16" large washer) in the bottom holes and two 5/16 x 2-1/2" Hex Bolts (with 5/16" lock washer and 1/4-5/16" large washer) in the remaining holes, per board. The bolts will connect to the previously installed t-nuts. (F10.10 and F10.12)

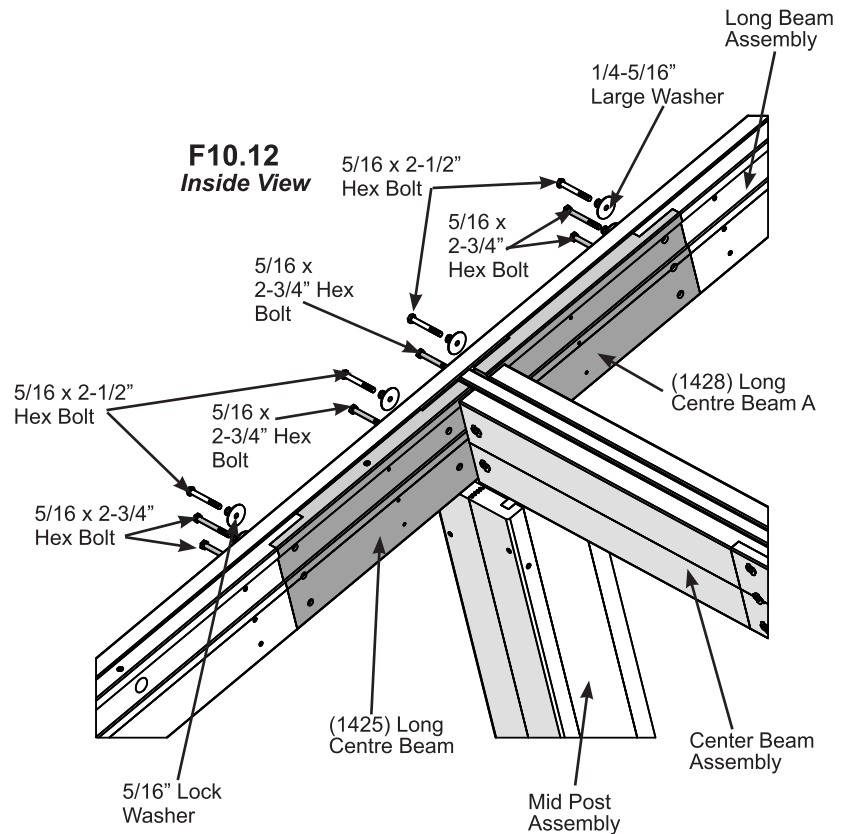
**F10.10**



**F10.11**



**F10.12  
Inside View**



**Wood Parts**

- 2 x (1425) Long Centre Beam
- 2 x (1428) Long Centre Beam A

**Hardware**

- 8 x 5/16 x 2-1/2" Hex Bolt  
(5/16" lock washer, 1/4-5/16" large washer, 5/16" t-nuts)
- 12 x 5/16 x 2-3/4" Hex Bolt  
(5/16" lock washer, 1/4-5/16" large washer, 5/16" t-nuts)

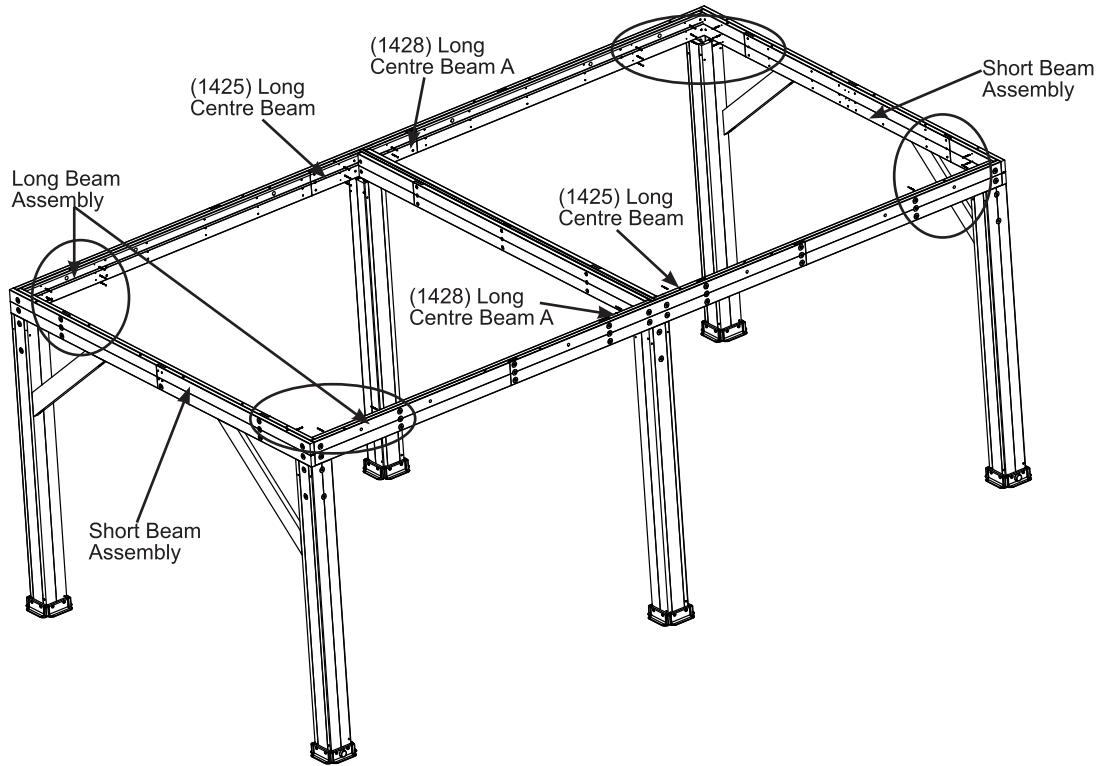
# Step 10: Long Beam/Post Assembly Part 5



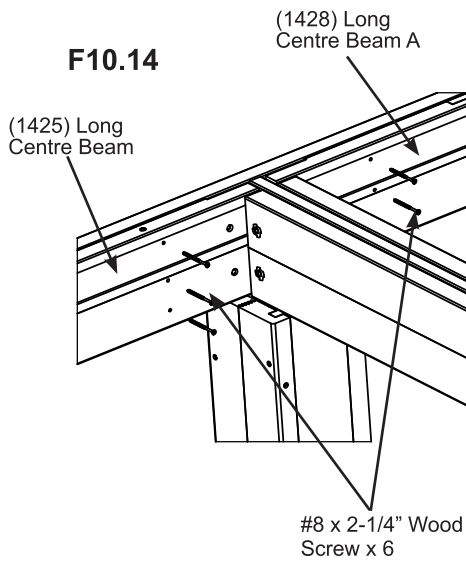
**H:** From inside the assembly install three #8 x 2-1/4" Wood Screws to each (1425) Long Centre Beam and (1428) Long Centre Beam A. (F10.13 and F10.14)

**I:** From inside the assembly install six #8 x 2-1/4" Wood Screws to the ends of each Long Beam Assembly and three #8 x 2-1/2" Wood Screws to the ends of each Short Beam Assembly. (F10.13 and F10.15)

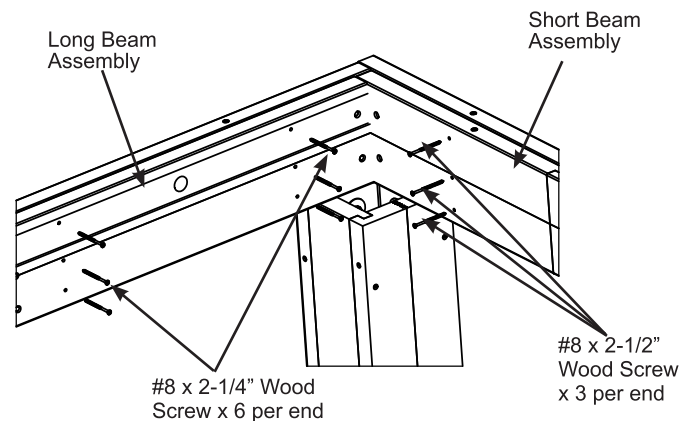
**F10.13**



**F10.14**



**F10.15**



### Hardware

36 x #8 x 2-1/4" Wood Screw

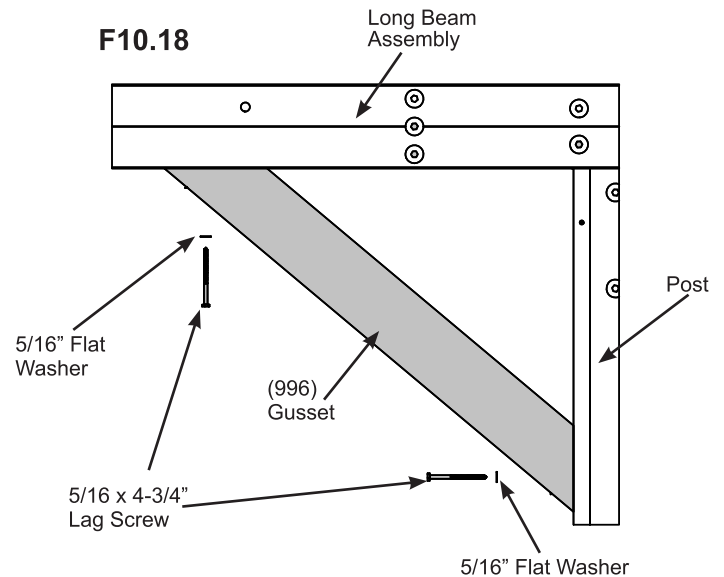
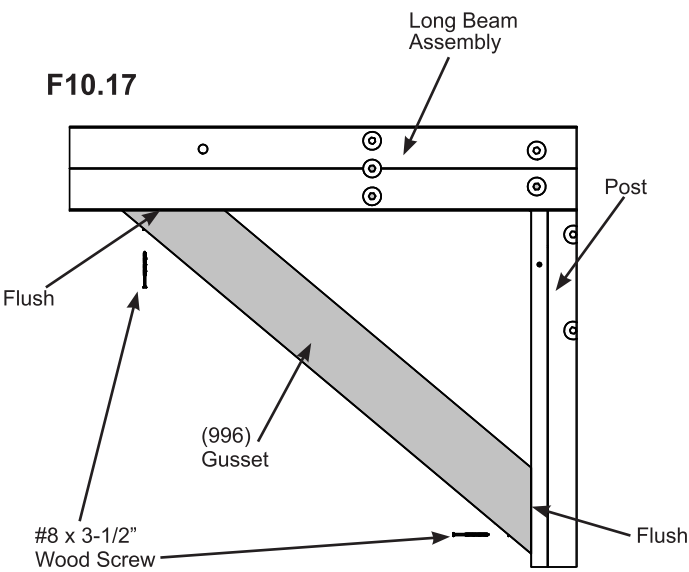
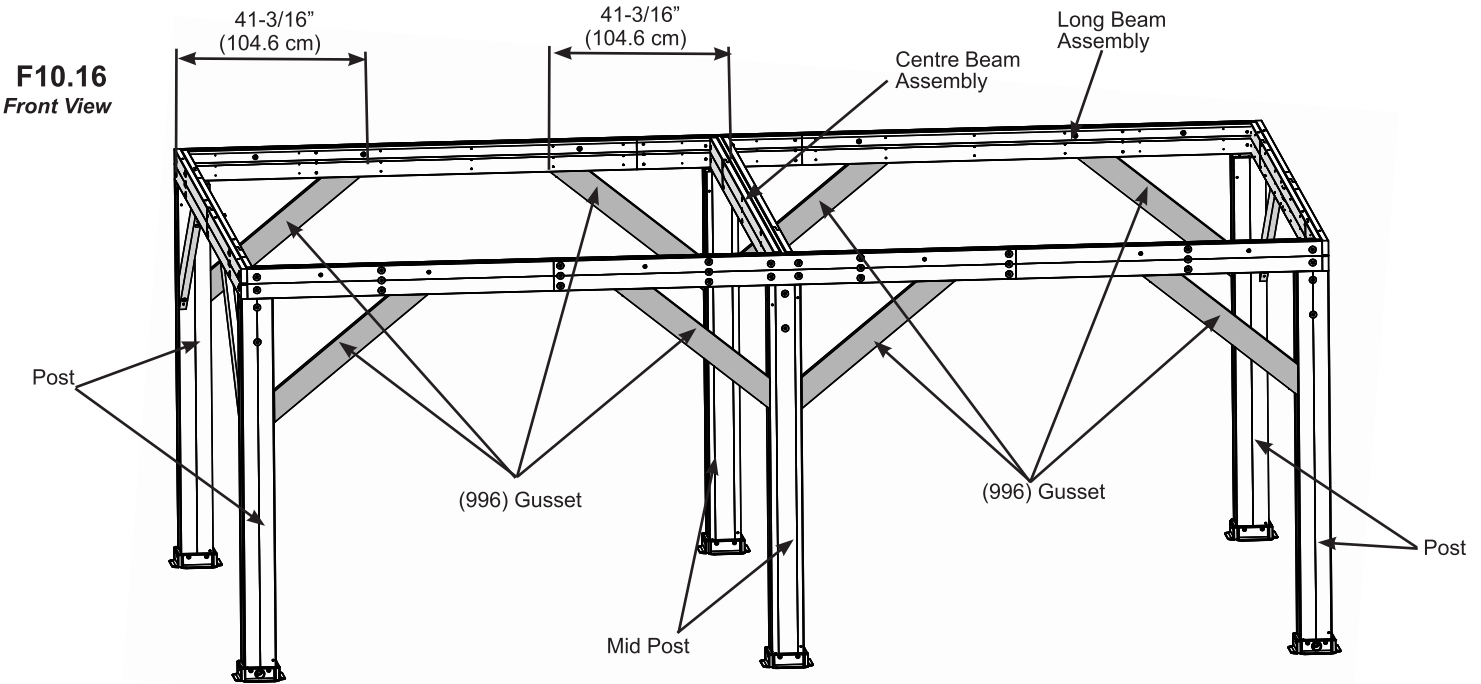
12 x #8 x 2-1/2" Wood Screw

# Step 10: Long Beam/Post Assembly Part 6



**J:** Make sure the assembly is square then along Long Beam Assembly measure 41-3/16" (104.6 cm) from the outside of the beam and from the outside of the Centre Beam Assembly (both sides). Place one (996) Gusset flush to front of Long Beam Assembly at marked locations and flush to the front of the posts and Mid Posts. Attach gusset to Long Beam Assembly and posts with two #8 x 3-1/2" Wood Screws. Pre-drill with a 1/8" drill bit then attach gusset with two 5/16 x 4-3/4" Lag Screws (with 5/16" flat washer). (F10.16, F10.17 and F10.18)

**K:** Repeat Step J for second Long Beam Assembly.



### Wood Parts

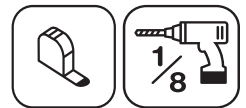
8 x (996) Gusset

### Hardware

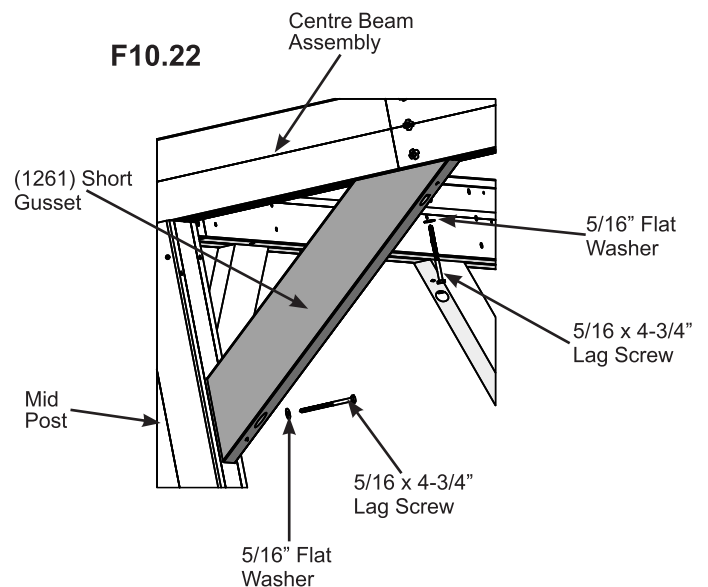
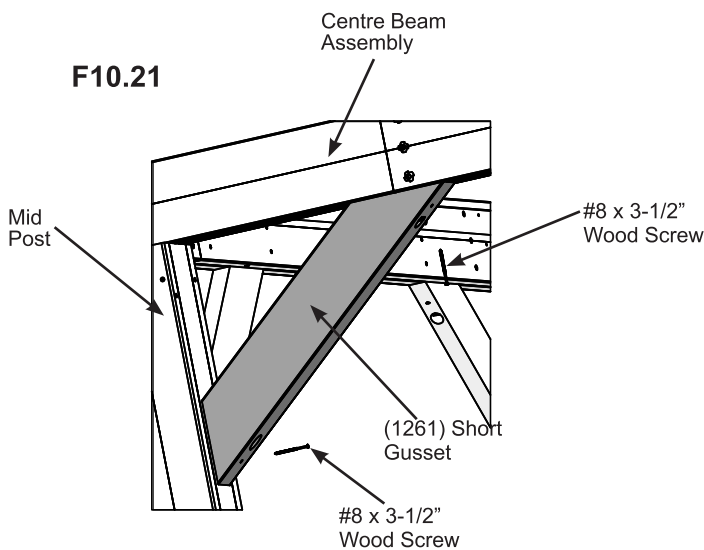
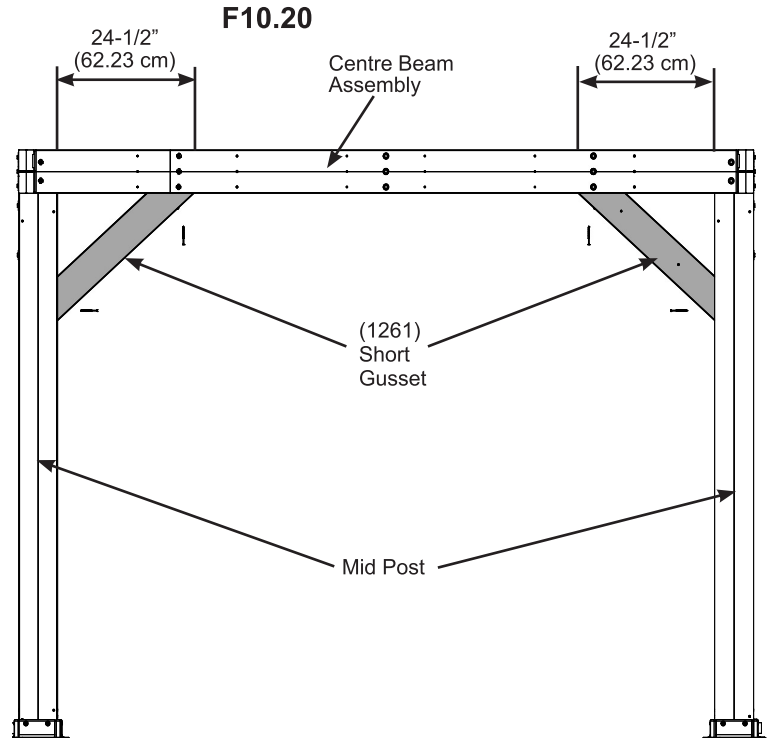
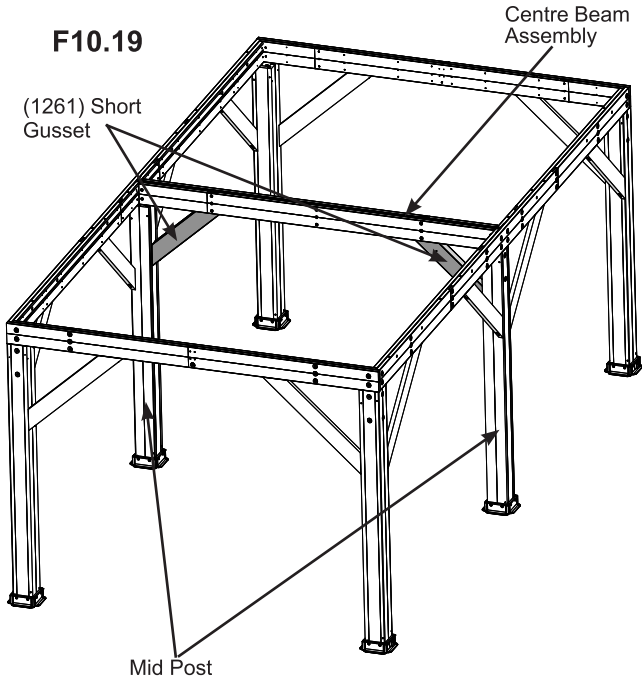
16 x #8 x 3-1/2" Wood Screw

16 x 5/16 x 4-3/4" Lag Screw (5/16" flat washer)

# Step 10: Long Beam/Post Assembly Part 7



**L:** Measure 24-1/2" (62.23 cm) along each side of the Centre Beam Assembly and mark the locations. Place one (1261) Short Gusset centered on Centre Beam Assembly at the marked location and each Mid Post. Attach each gusset to Mid Post and Centre Beam Assembly with two #8 x 3-1/2" Wood Screws. Pre-drill with a 1/8" drill bit then attach gusset with two 5/16 x 4-3/4" Lag Screws (with 5/16" flat washer). (F10.19, F10.20, F10.21 and F10.22)



### Wood Parts

2 x (1261) Short Gusset

### Hardware

4 x #8 x 3-1/2" Wood Screw

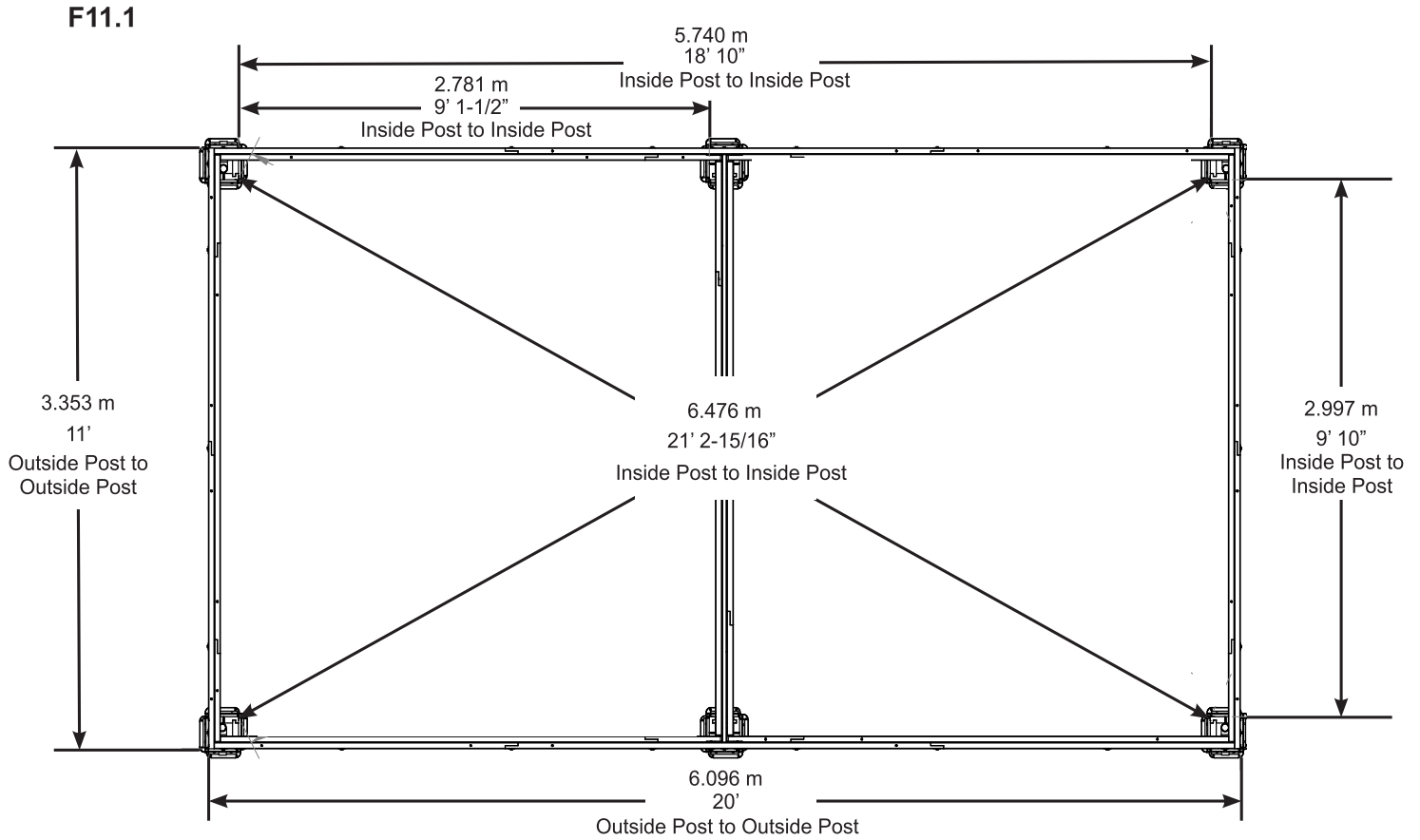
4 x 5/16 x 4-3/4" Lag Screw (5/16" flat washer)



# Step 11: Check Frame Dimensions



**A:** The diagonal distance between the inside of two posts should be 21' 2-15/16" (6.476 m) (measuring from posts not from Post Mounts. (F11.1)



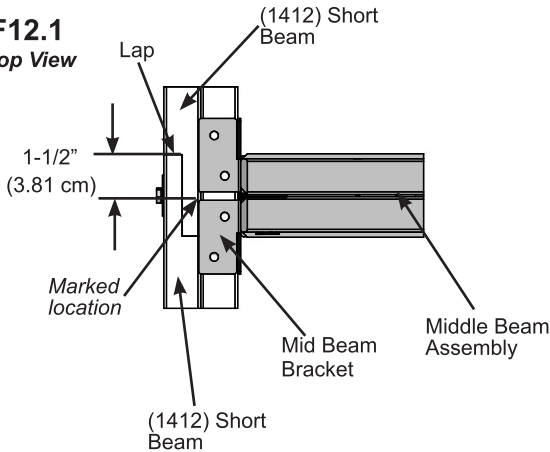
# Step 12: Attach Middle Beam Assembly Part 1



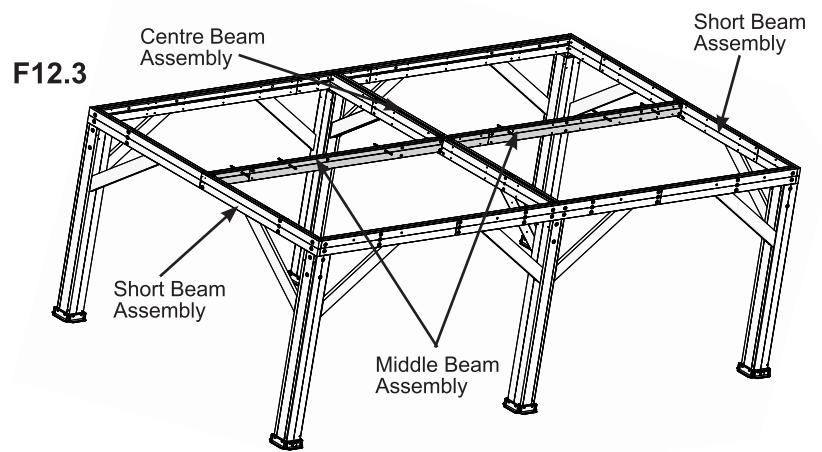
**A:** On each Short Beam Assembly, at the lap where two (1412) Short Beams meet, measure 1-1/2" (3.81 cm) and mark the spot. On Centre Beam Assembly, at the lap where two (1431) Centre Beams meet, measure 1-1/2" (3.81 cm) and mark the spot. (F12.1 and F12.2)

**B:** Place two Middle Beam Assemblies at the centre of Short Beam Assembly and Centre Beam Assembly so the middle of Mid Beam Bracket lines up with the previously marked location on the Short Beam Assembly and Centre Beam Assembly. Make sure Axle Through Pin Shorts are at the top of the beam. They will be aligned with the holes for the Crank. Attach Mid Beam Bracket to Short Beam Assemblies and Centre Beam Assembly with eight #8 x 1-1/2" Wood Screws per bracket. (F12.3, F12.4 and F12.5)

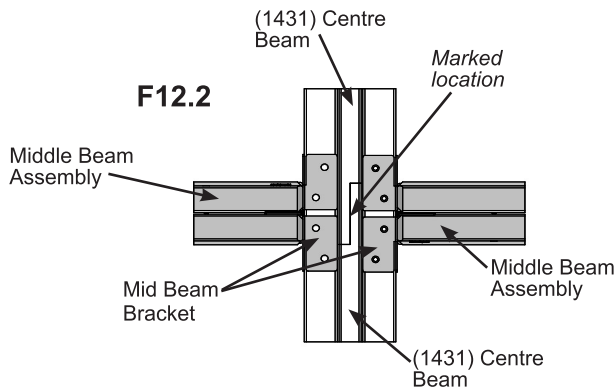
**F12.1**  
Top View



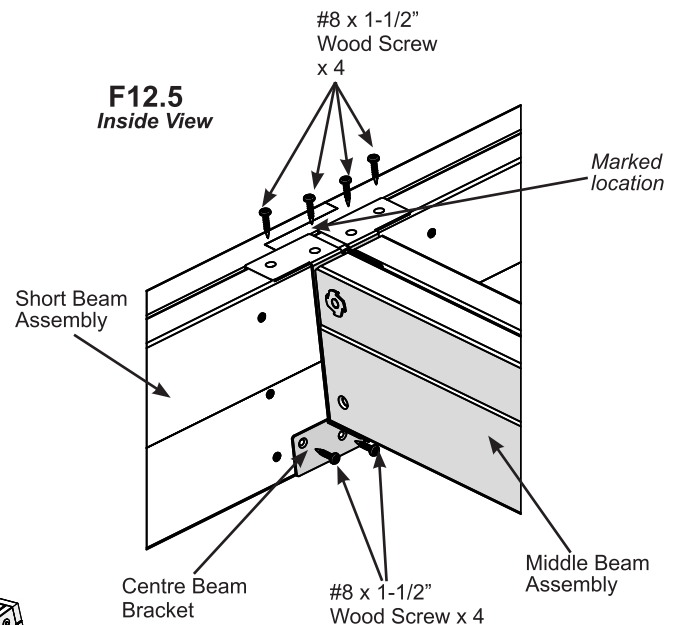
**F12.3**



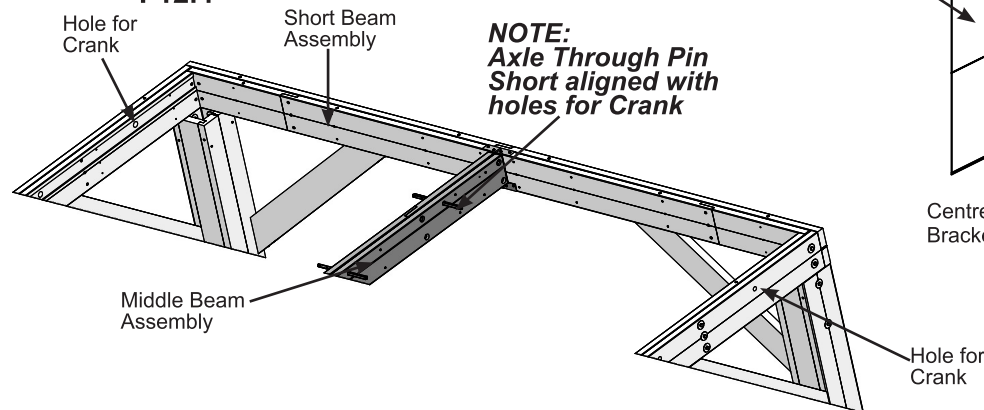
**F12.2**



**F12.5**  
Inside View



**F12.4**

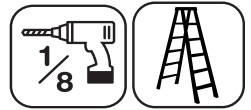


**NOTE:**  
Axle Through Pin  
Short aligned with  
holes for Crank

## Hardware

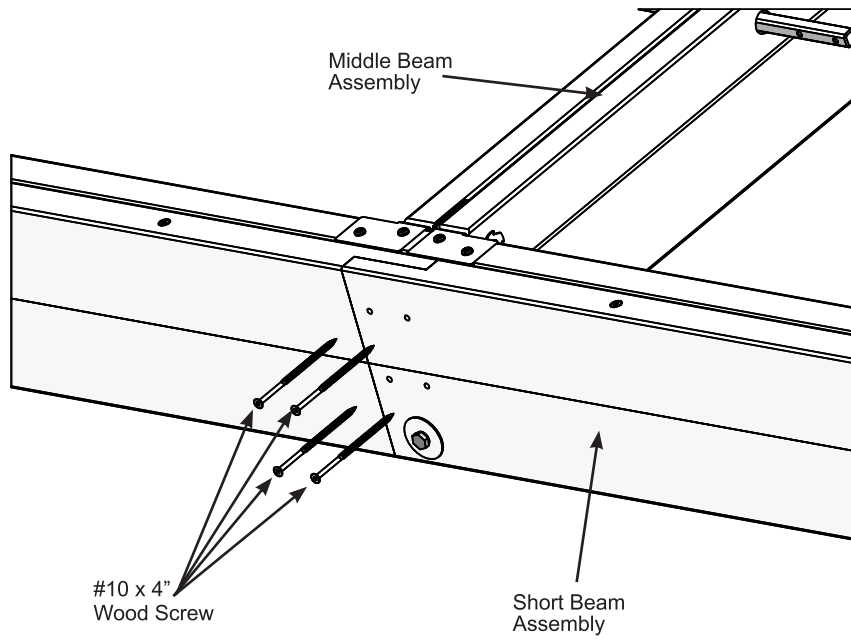
32 x #8 x 1-1/2" Wood Screw

# Step 12: Attach Middle Beam Assembly Part 2



**C:** Predrill with a 1/8" drill bit then attach Short Beam Assemblies to Middle Beam Assemblies with four #10 x 4" Wood Screws per end. (F12.6)

**F12.6**  
*Outside View*



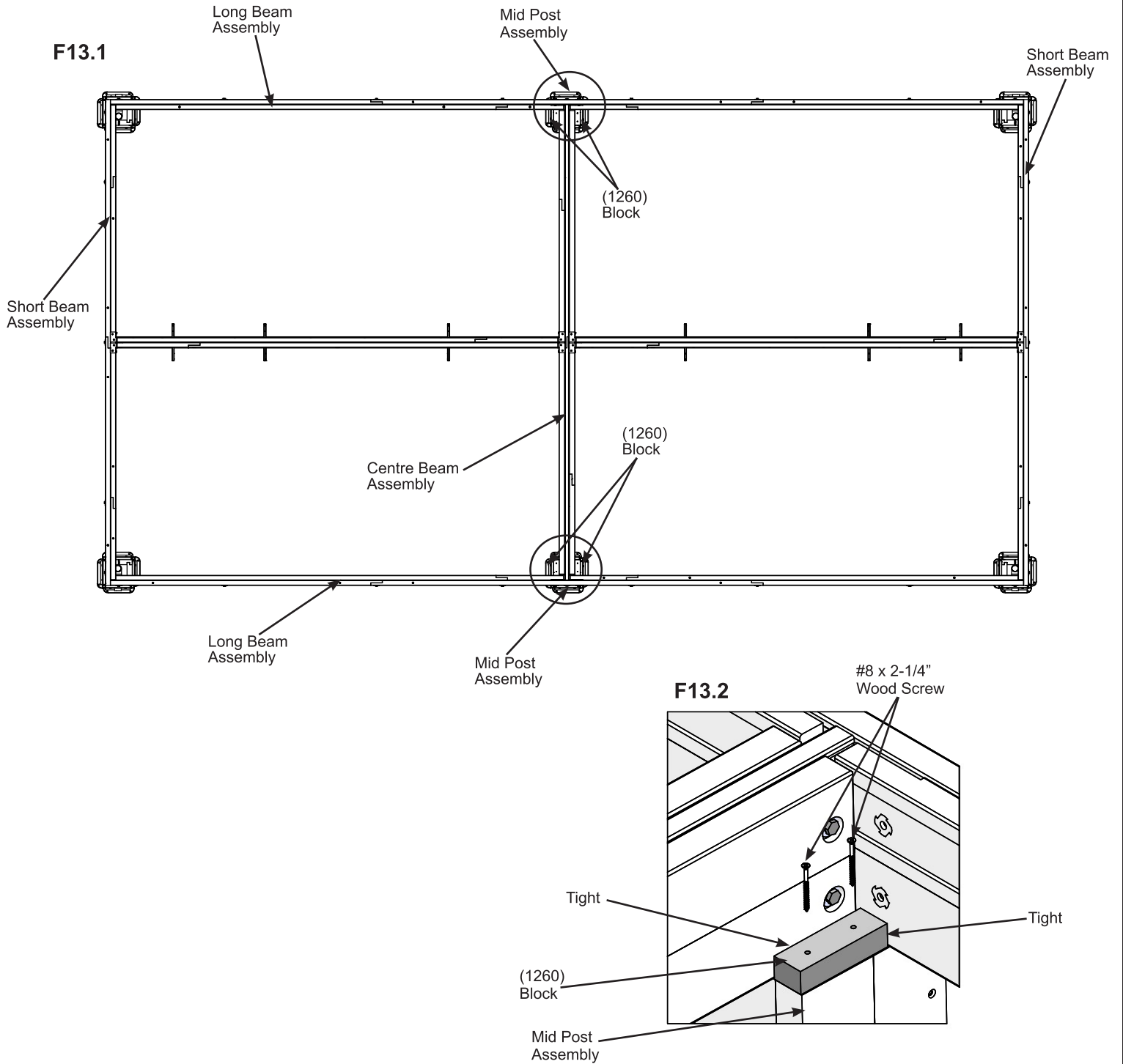
### Hardware

8 x #10 x 4" Wood Screw

# Step 13: Attach Post Blocks



**A:** At each Mid Post Assembly place two (1260) Blocks, one on each side of the Centre Beam Assemblies tight to the Long Beam Assembly and Centre Beam Assembly. Attach each (1260) Block to Mid Post with two #8 x 2-1/4" Wood Screws per block. (F13.1 and F13.2)



### Wood Parts

4 x (1260) Block

### Hardware

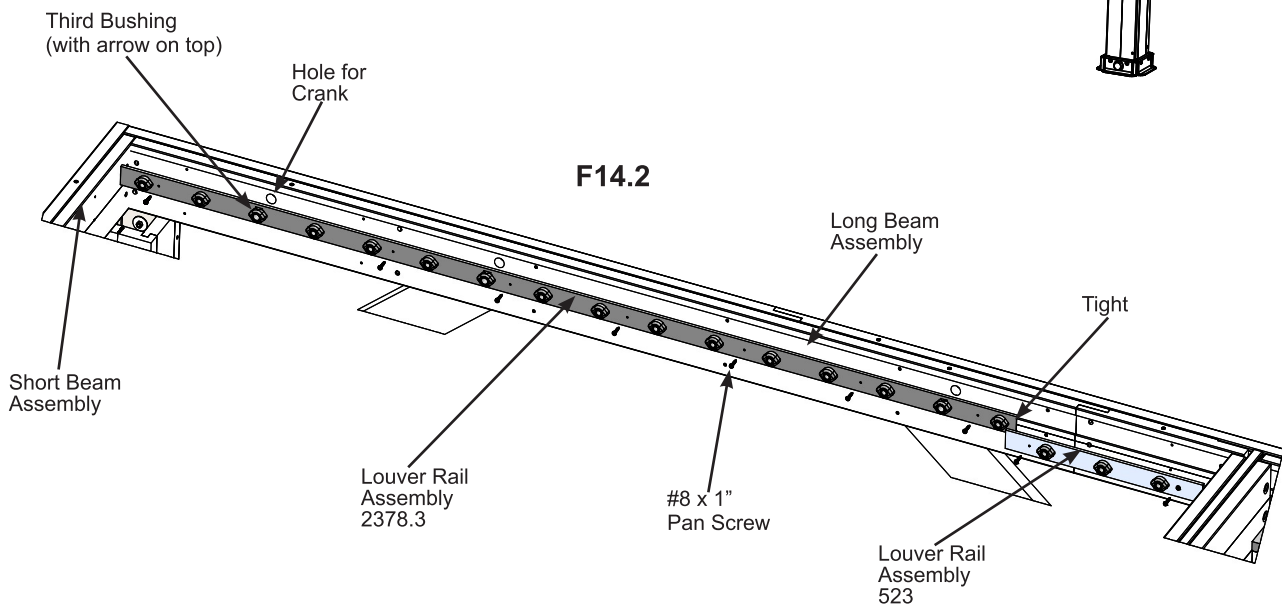
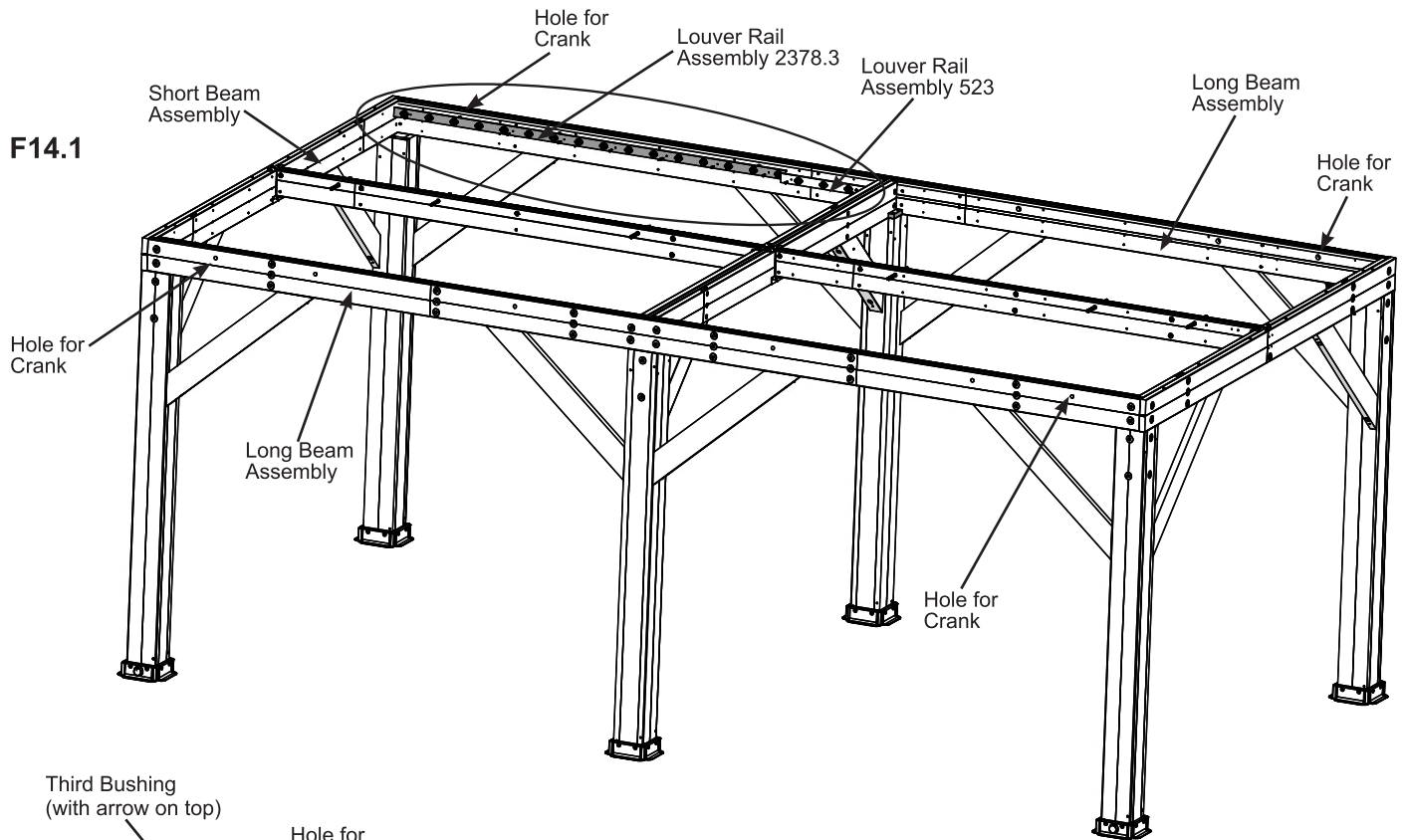
8 x #8 x 2-1/4" Wood Screw

# Step 14: Attach Louvered Rails Part 1



**A:** On the inside of each end of both Long Beam Assemblies, in the groove, place one Louver Rail Assembly 2378.3. Make sure the rail is oriented so the third bushing (with arrow on top) is lined up with the hole for the Crank. Attach to Long Beam Assembly with eight #8 x 1" Pan Screws per Louver Rail Assembly. (F14.1 and F14.2)

**B:** Tight to each Louver Rail Assembly 2378.3 place one Louver Rail Assembly 523 then attach with two #8 x 1" Pan Screws. (F14.1 and F14.2)



### Components

4 x Louver Rail Assembly 2378.3  
4 x Louver Rail Assembly 523

### Hardware

40 x #8 x 1" Pan Screw

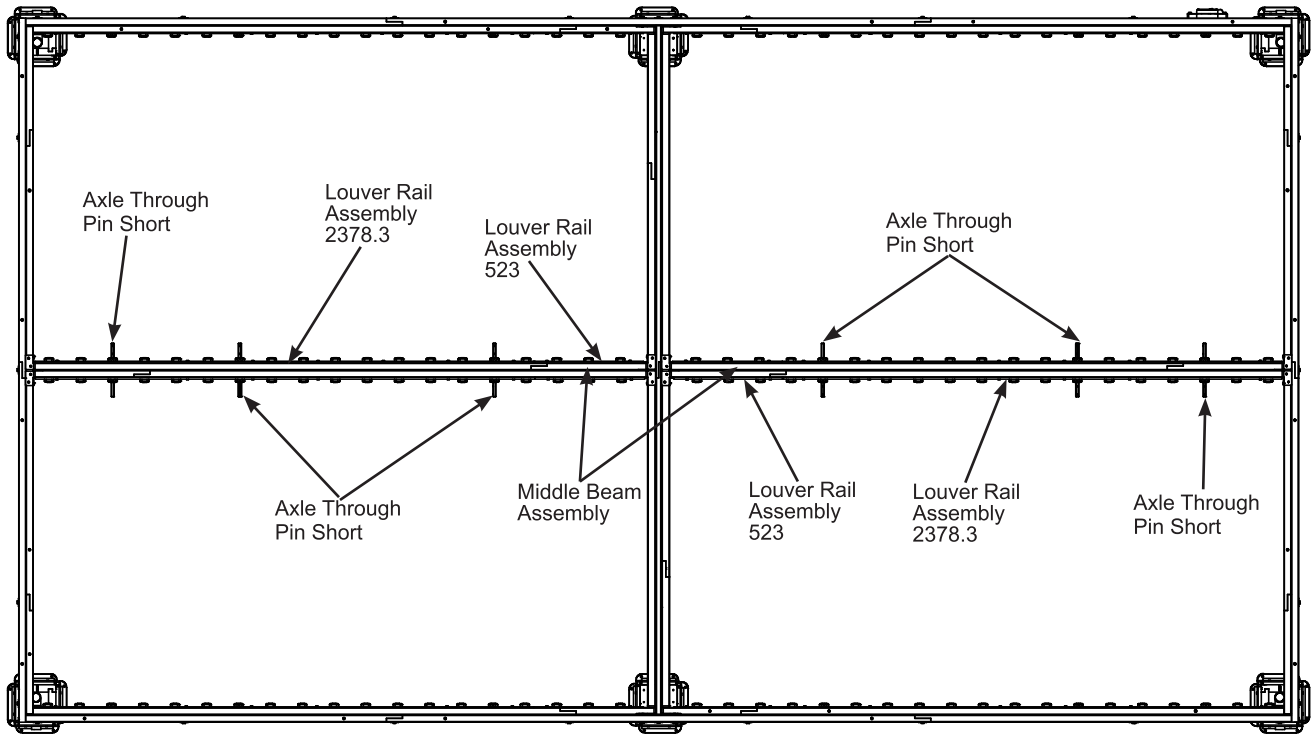
# Step 14: Attach Louvered Rails Part 2



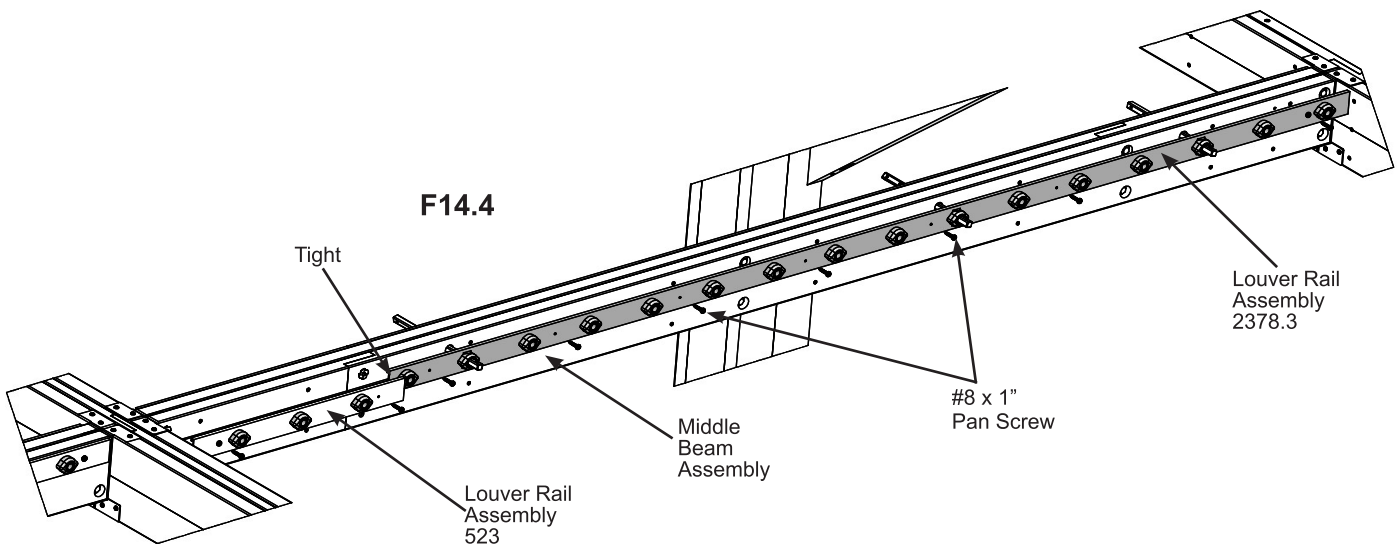
**C:** On each side of both Middle Beam Assemblies, in the groove, place one Louver Rail Assembly 2378.3. Make sure the rail is oriented so the three bushings (with arrow on top) are inserted over the three Axle Through Pin Shorts. Attach to Middle Beam Assemblies with eight #8 x 1" Pan Screws per Louver Rail Assembly. (F14.3 and F14.4)

**B:** Tight to each Louver Rail Assembly 2378.3 place one Louver Rail Assembly 523 then attach with two #8 x 1" Pan Screws. (F14.3 and F14.4)

**F14.3**



**F14.4**



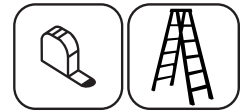
**Components**

- 4 x Louver Rail Assembly 2378.3
- 4 x Louver Rail Assembly 523

**Hardware**

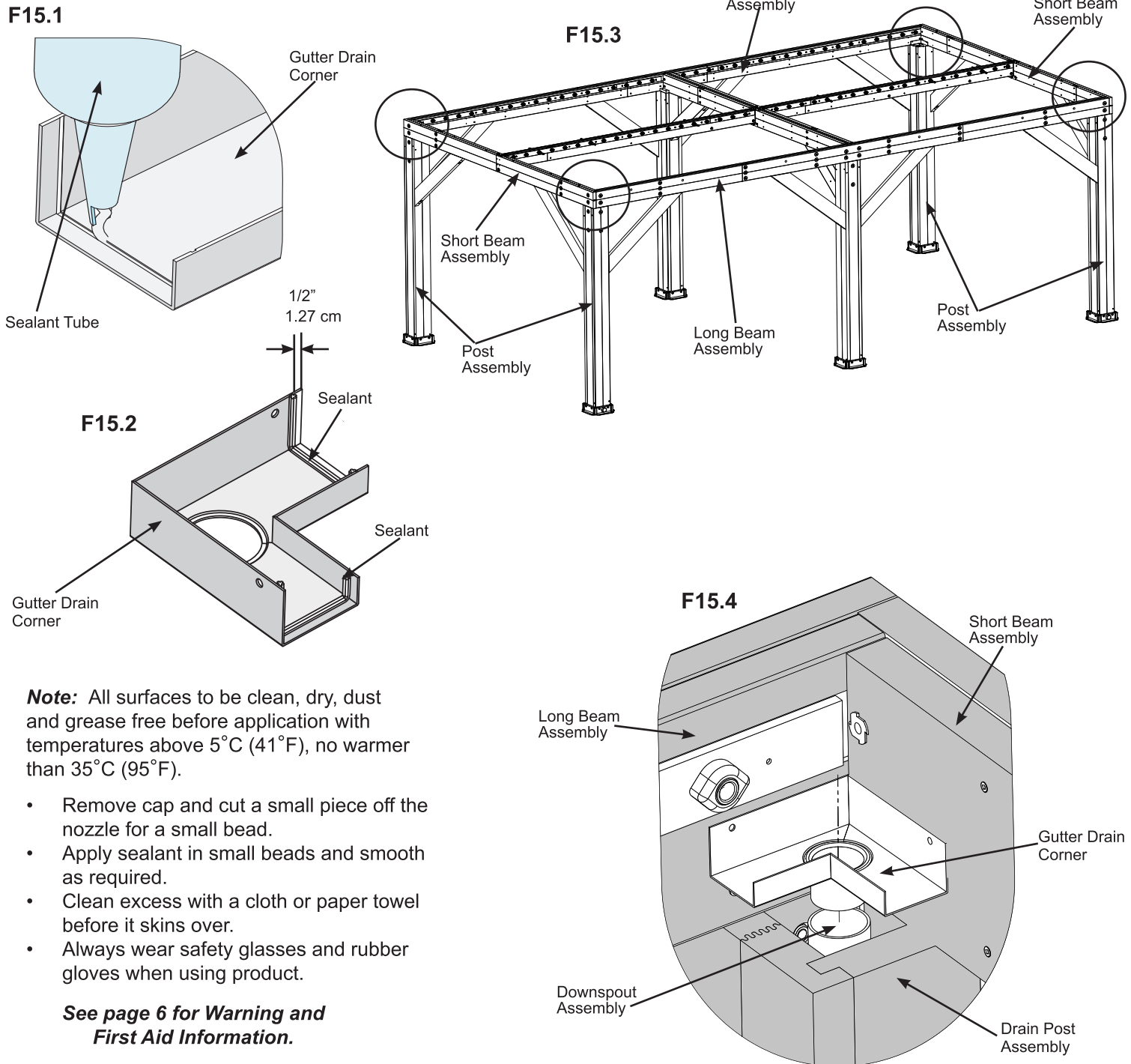
- 40 x #8 x 1" Pan Screw

# Step 15: Attach Gutter Drain Corners



**A:** Measure approximately 1/2" (1.27 cm) in from both edges of each Gutter Drain Corner then apply a small bead of sealant, as shown in F15.1 and F15.2.

**B:** On each Post Assembly place one Gutter Drain Corner so it is tight to the Long and Short Beam Assemblies. Do not attach at this step. (F15.3 and F15.4)



**Note:** All surfaces to be clean, dry, dust and grease free before application with temperatures above 5°C (41°F), no warmer than 35°C (95°F).

- Remove cap and cut a small piece off the nozzle for a small bead.
- Apply sealant in small beads and smooth as required.
- Clean excess with a cloth or paper towel before it skins over.
- Always wear safety glasses and rubber gloves when using product.

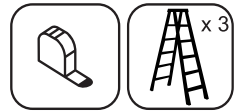
**See page 6 for Warning and First Aid Information.**

## Components

4 x Gutter Drain Corner  
Sealant

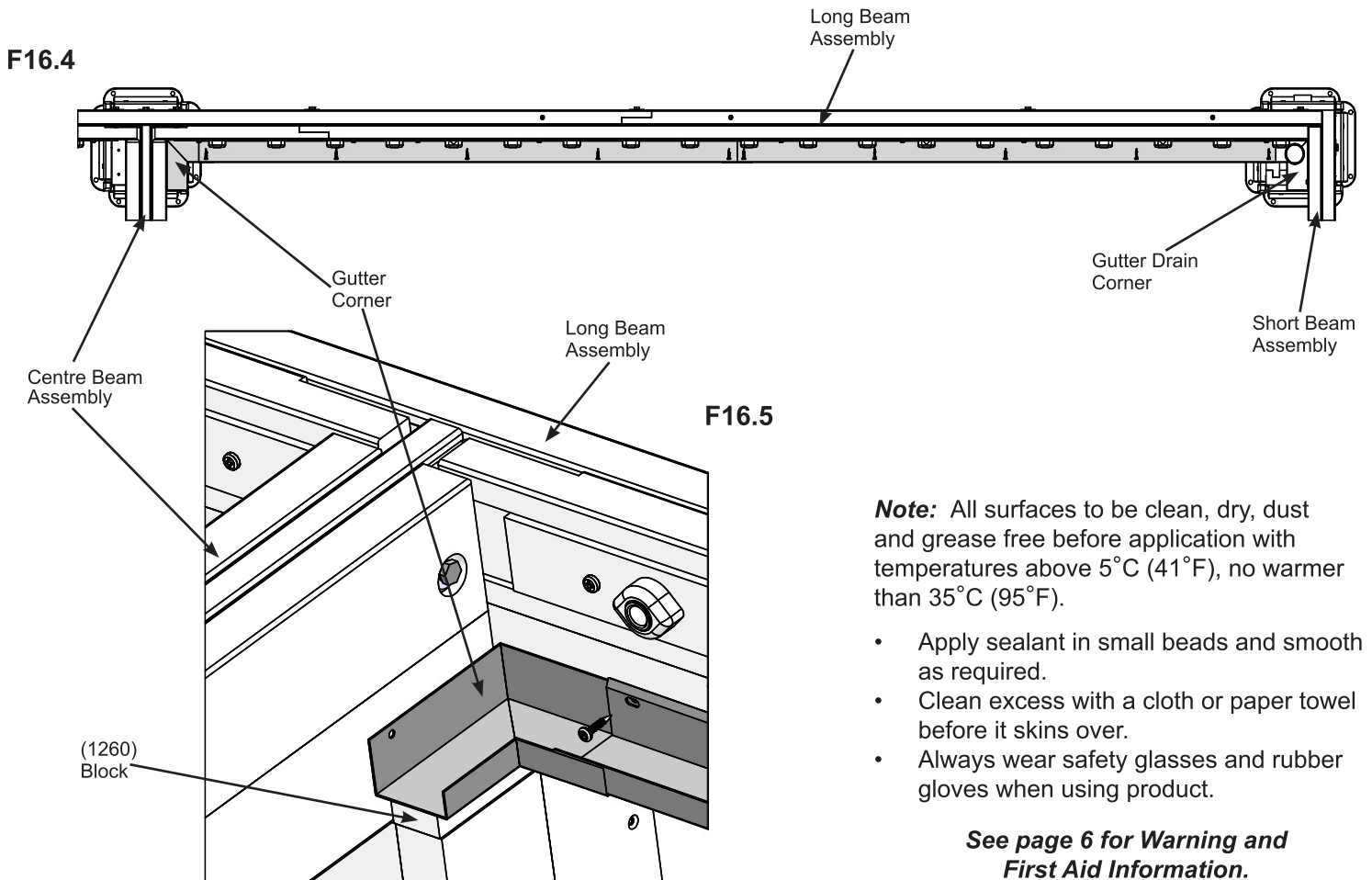
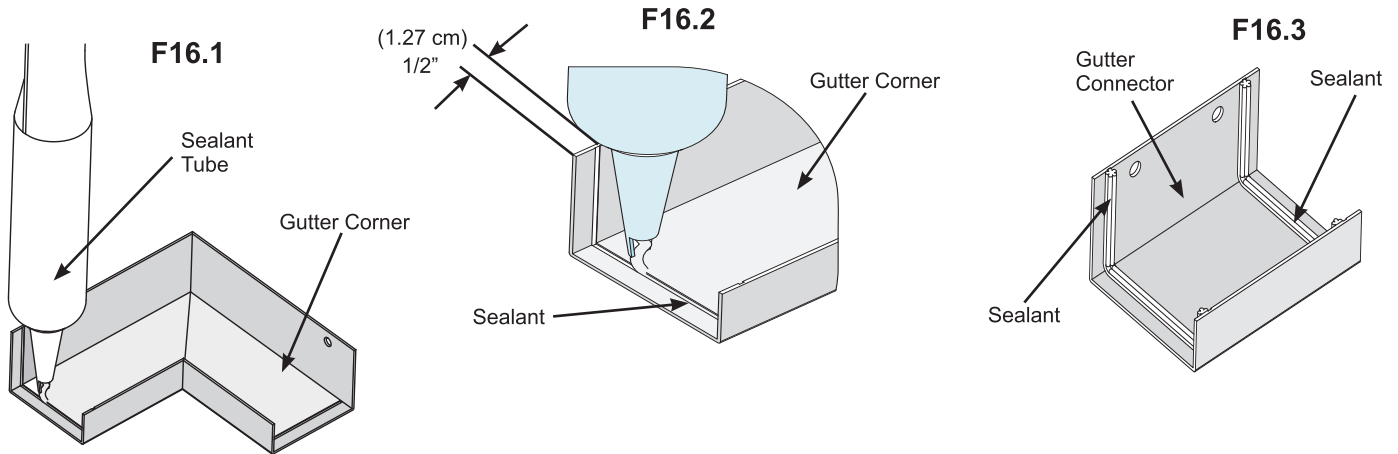
# Step 16: Rain Gutter Assembly

## Part 1



**A:** Measure approximately 1/2" (1.27 cm) in from both edges of three Gutter Corners and two Gutter Connectors then apply a small bead of sealant, as shown in F16.1, F16.2 and F16.3.

**B:** Place Gutter Corner on one (1260) Block tight to the Long and Centre Beam Assemblies. (F16.4 and 16.5)



**Note:** All surfaces to be clean, dry, dust and grease free before application with temperatures above 5°C (41°F), no warmer than 35°C (95°F).

- Apply sealant in small beads and smooth as required.
- Clean excess with a cloth or paper towel before it skins over.
- Always wear safety glasses and rubber gloves when using product.

**See page 6 for Warning and First Aid Information.**

### Components

- 12 x Gutter Corner
- 8 x Gutter Connector
- Sealant



# Step 16: Rain Gutter Assembly

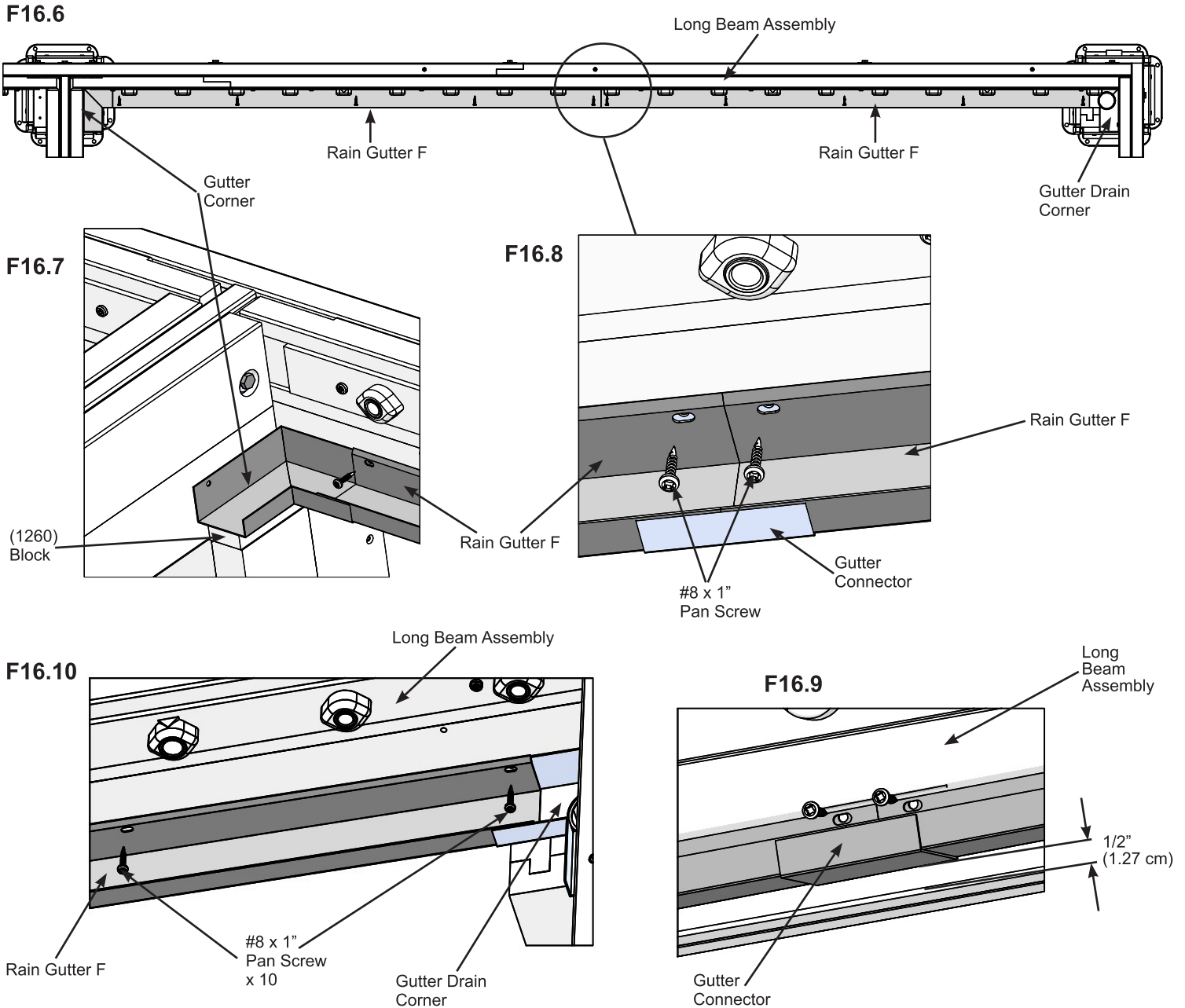
## Part 2



**C:** Slide one Rain Gutter F into Gutter Corner along the Long Beam Assembly then place one Gutter Connector at the end of Rain Gutter F. Gutter Connector to sit 1/2" (1.27 cm) up from bottom of beam. (F16.6, F16.7, F16.8 and F16.9)

**D:** Slide one Rain Gutter F into Gutter Drain Corner along the Long Beam Assembly and into Gutter Connector. (F16.6, F16.8 and F16.10).

**E:** Attach Rain Gutters to Long Beam Assembly with (10) #8 x 1" Pan Screws. (F16.6, F16.7, F16.8 and F16.10)



### Components

8 x Rain Gutter F

### Hardware

40 x #8 x 1" Pan Screw

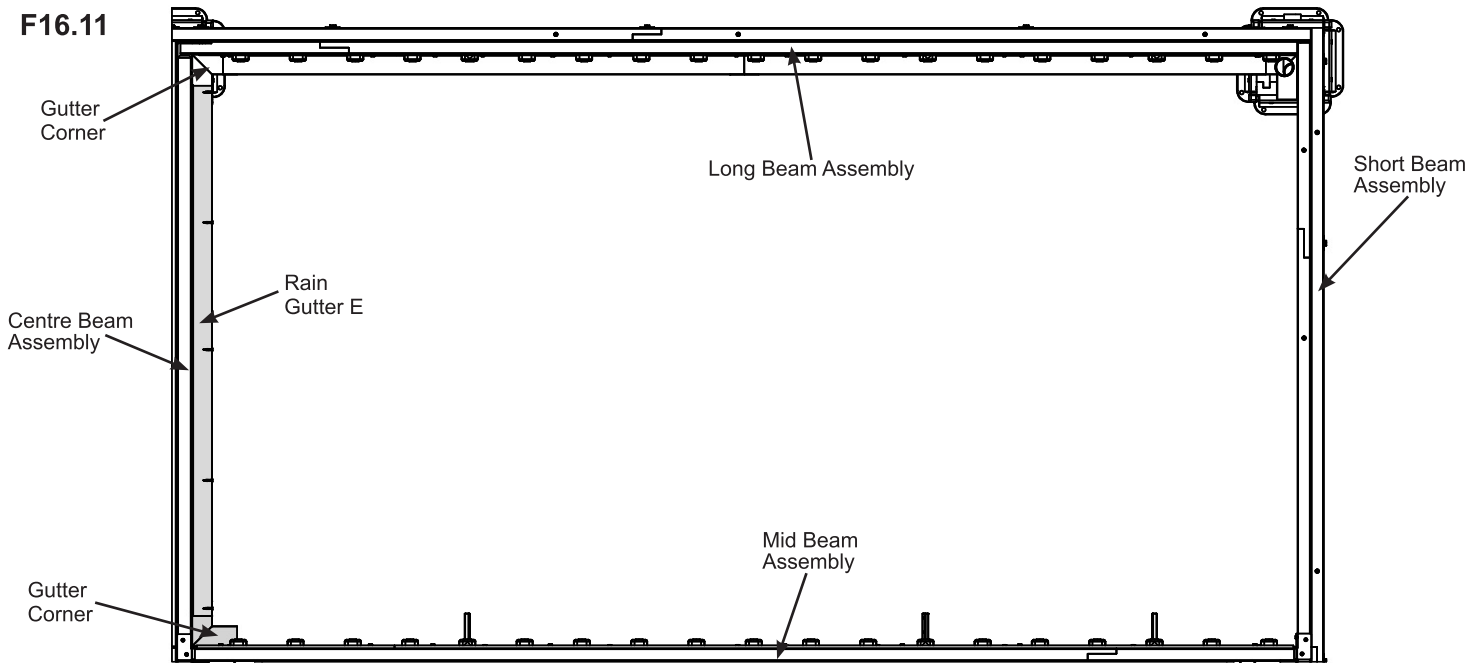
# Step 16: Rain Gutter Assembly Part 3



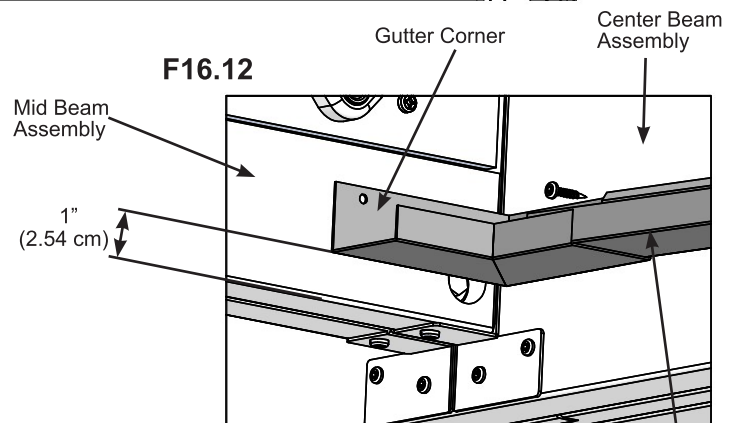
**F:** Place Gutter Corner tight to Centre Beam Assembly and Mid Beam Assembly, 1" (2.54 cm) up from the bottom of Mid Beam Assembly. Have one helper hold it in place. (F16.11 and F16.12)

**G:** Slide Rain Gutter E into each Gutter Corner along the Centre Beam Assembly. Attach, Rain Gutters to Center Beam Assembly with five #8 x 1" Pan Screws. (F16.11 and F16.13)

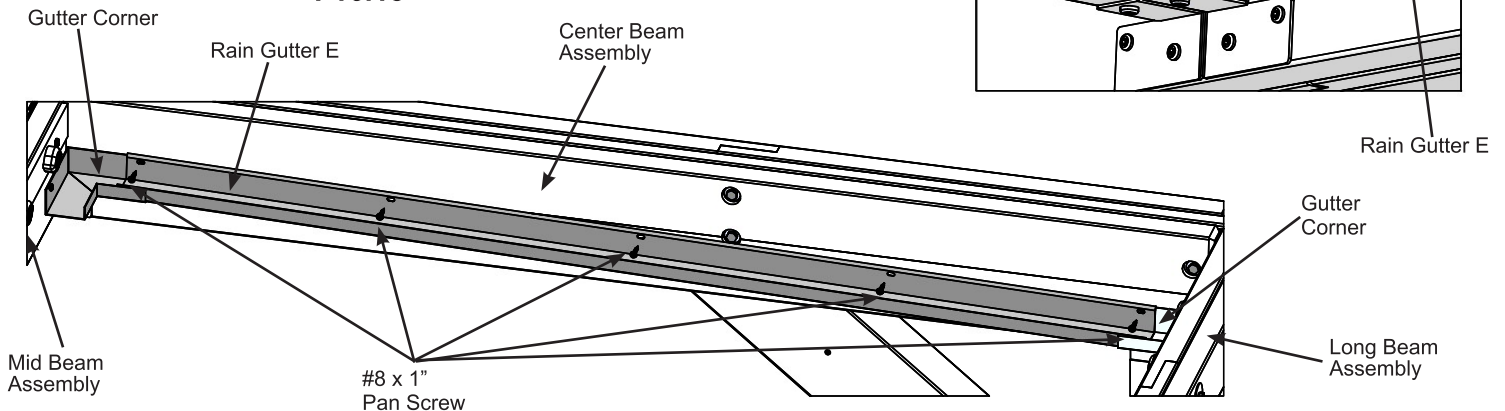
**F16.11**



**F16.12**



**F16.13**



**Components**

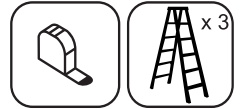
4 x Rain Gutter E

**Hardware**

20 x #8 x 1" Pan Screw

# Step 16: Rain Gutter Assembly

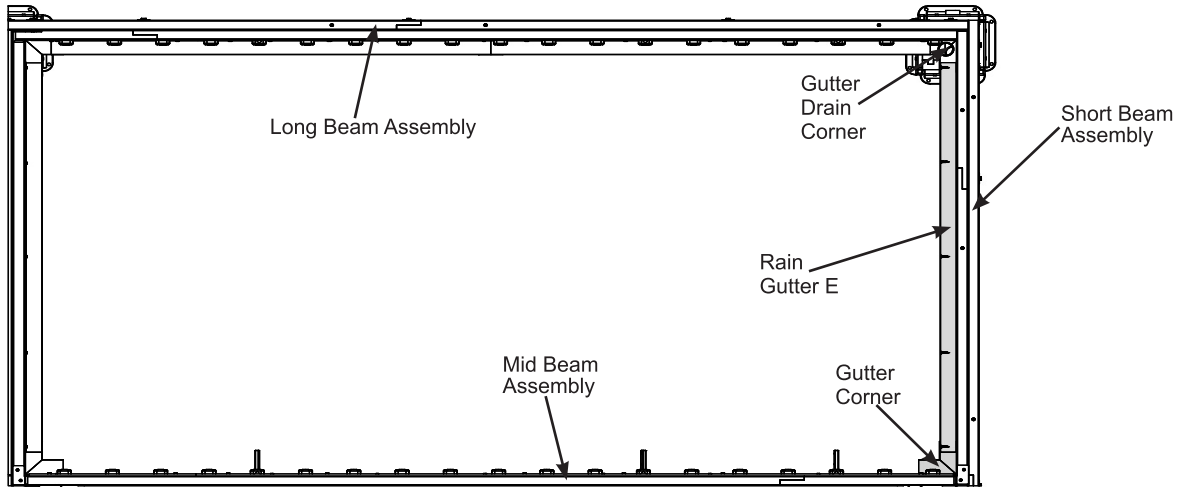
## Part 4



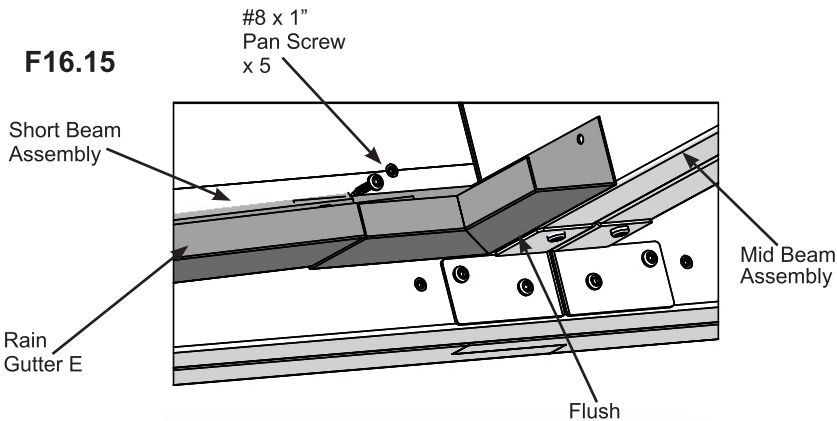
**H:** Place Gutter Corner tight to Short Beam Assembly and Mid Beam Assembly, flush to the bottom of Mid Beam Assembly. Have a helper hold it in place. (F16.14 and 16.15).

**I:** Slide one Rain Gutter E into Gutter Drain Corner and Gutter Corner along the Short Beam Assembly. Attach, Rain Gutter to Short Beam Assembly with five #8 x 1 Pan Screws. (F16.14 and 16.16)

**F16.14**



**F16.15**

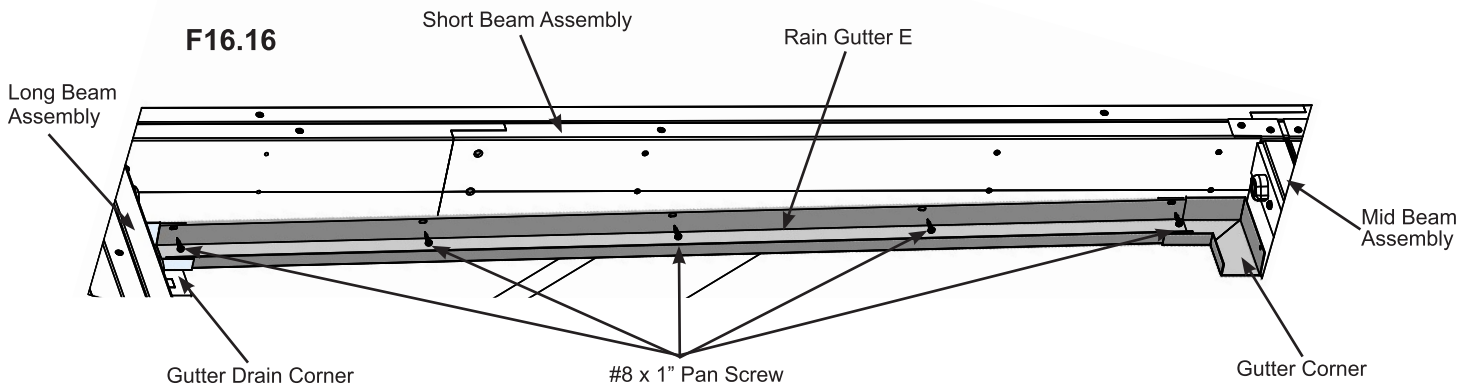


**Note:** All surfaces to be clean, dry, dust and grease free before application with temperatures above 5°C (41°F), no warmer than 35°C (95°F).

- Apply sealant in small beads and smooth as required.
- Clean excess with a cloth or paper towel before it skins over.
- Always wear safety glasses and rubber gloves when using product.

**See page 6 for Warning and First Aid Information.**

**F16.16**



**Components**

4 x Rain Gutter E

**Hardware**

20 x #8 x 1" Pan Screw

# Step 16: Rain Gutter Assembly

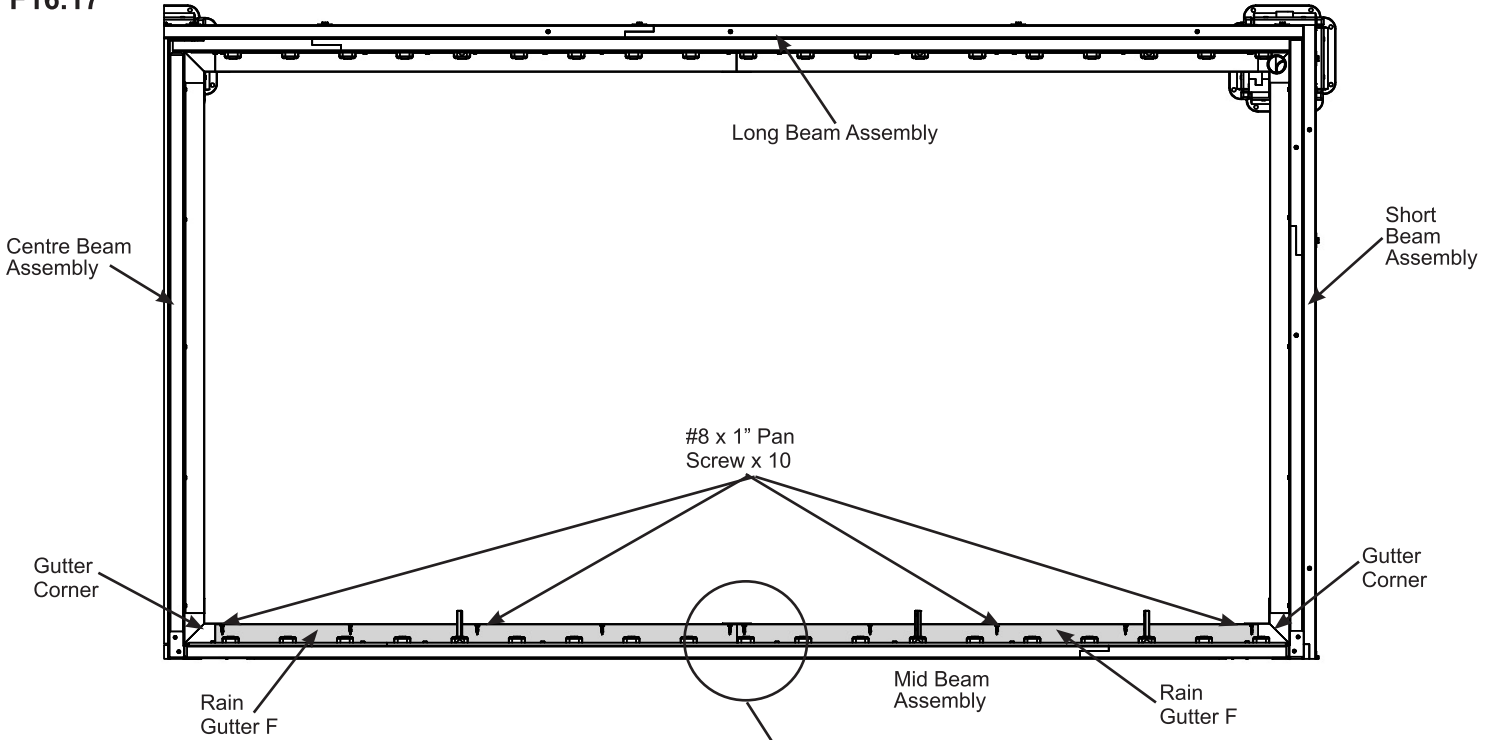
## Part 5



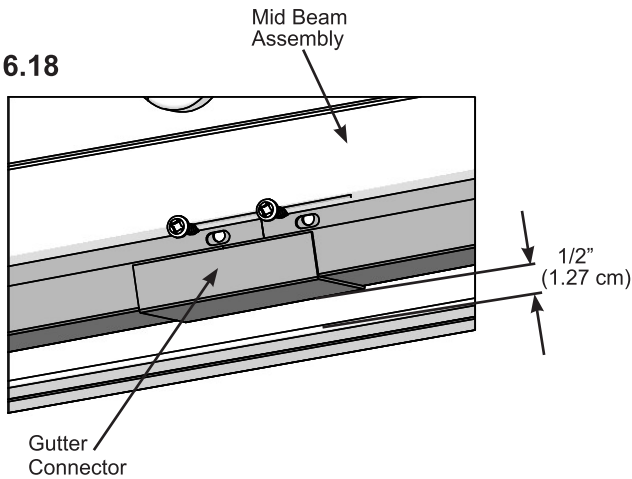
**J:** Slide one Rain Gutter F into each Gutter Corner along the Mid Beam Assembly with a Gutter Connector in the middle as done for the Long Beam Assembly. Gutter Connector to sit 1/2" (1.27 cm) up from the bottom of the Mid Beam Assembly. (F16.17 and F16.18)

**K:** Attach, Rain Gutters to Mid Beam Assembly with (10) #8 x 1" Pan Screws. (F16.17 and F16.19)

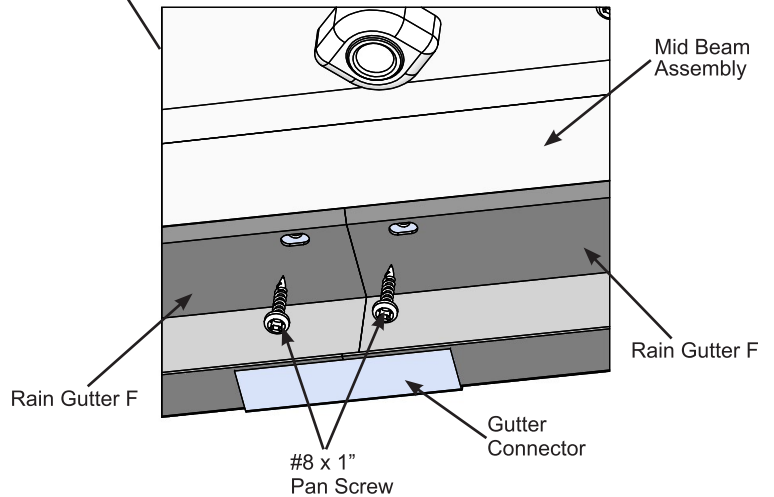
**F16.17**



**F16.18**



**F16.19**



**Components**

8 x Rain Gutter F

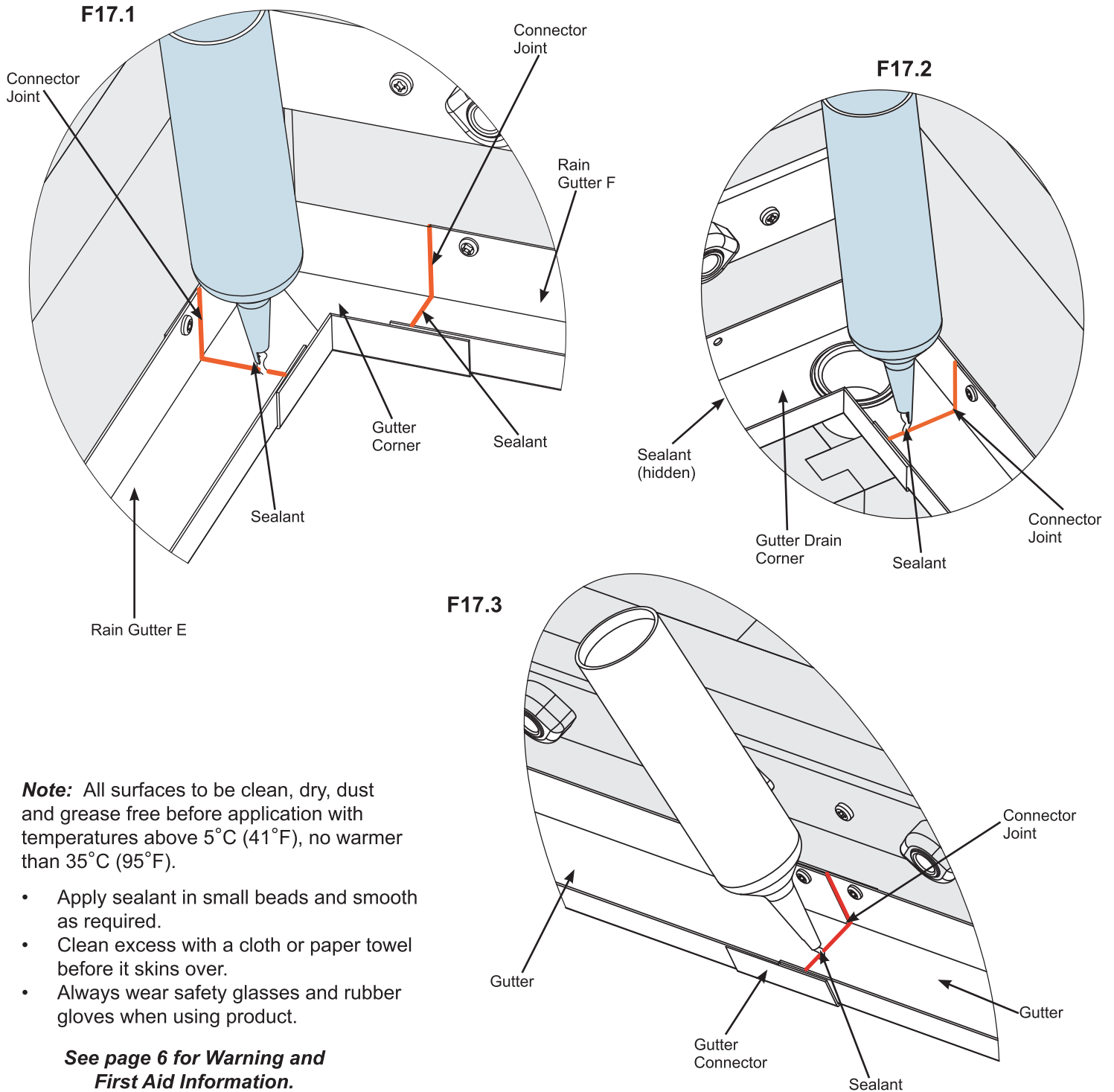
**Hardware**

40 x #8 x 1" Pan Screw

# Step 17: Apply Sealant Part 1



**A:** At each end of Rain Gutter E and Rain Gutter F apply a small, evenly distributed bead of sealant over the connector joints. Smooth sealant into the joint so it forms a continuous, water-tight seal. (F17.1, F17.2 and F17.3)



## Components

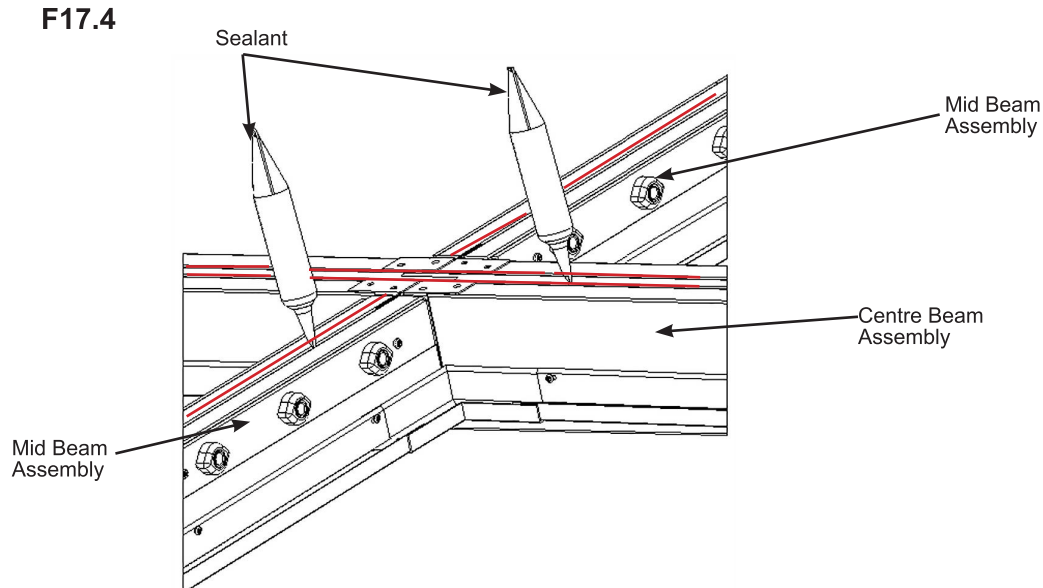
Sealant

# Step 17: Apply Sealant Part 2



**B:** In the seams of the Mid Beam Assembly and Centre Beam Assembly apply a small evenly distributed bead of sealant and smooth out so it forms a continuous, water-tight seal. (F17.4)

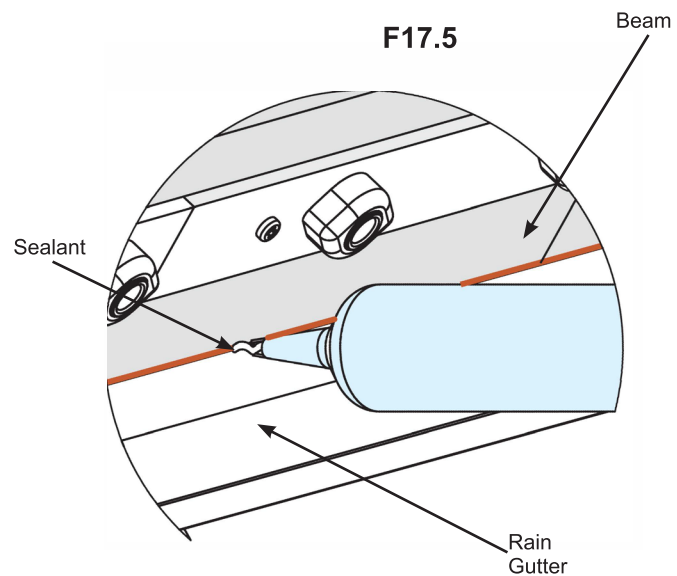
**C:** Along the tops of the Rain Gutters on both Short Beam Assemblies, both Long Beam Assemblies and each side of the Middle Beam and Centre Beam, including the tops of the Gutter Corners and Gutter Drain Corners, apply a small evenly distributed bead of sealant, smoothing the sealant so it gets into the joints. (F17.5)



**Note:** All surfaces to be clean, dry, dust and grease free before application with temperatures above 5°C (41°F), no warmer than 35°C (95°F).

- Apply sealant in small beads and smooth as required.
- Clean excess with a cloth or paper towel before it skins over.
- Always wear safety glasses and rubber gloves when using product.

**See page 6 for Warning and First Aid Information.**

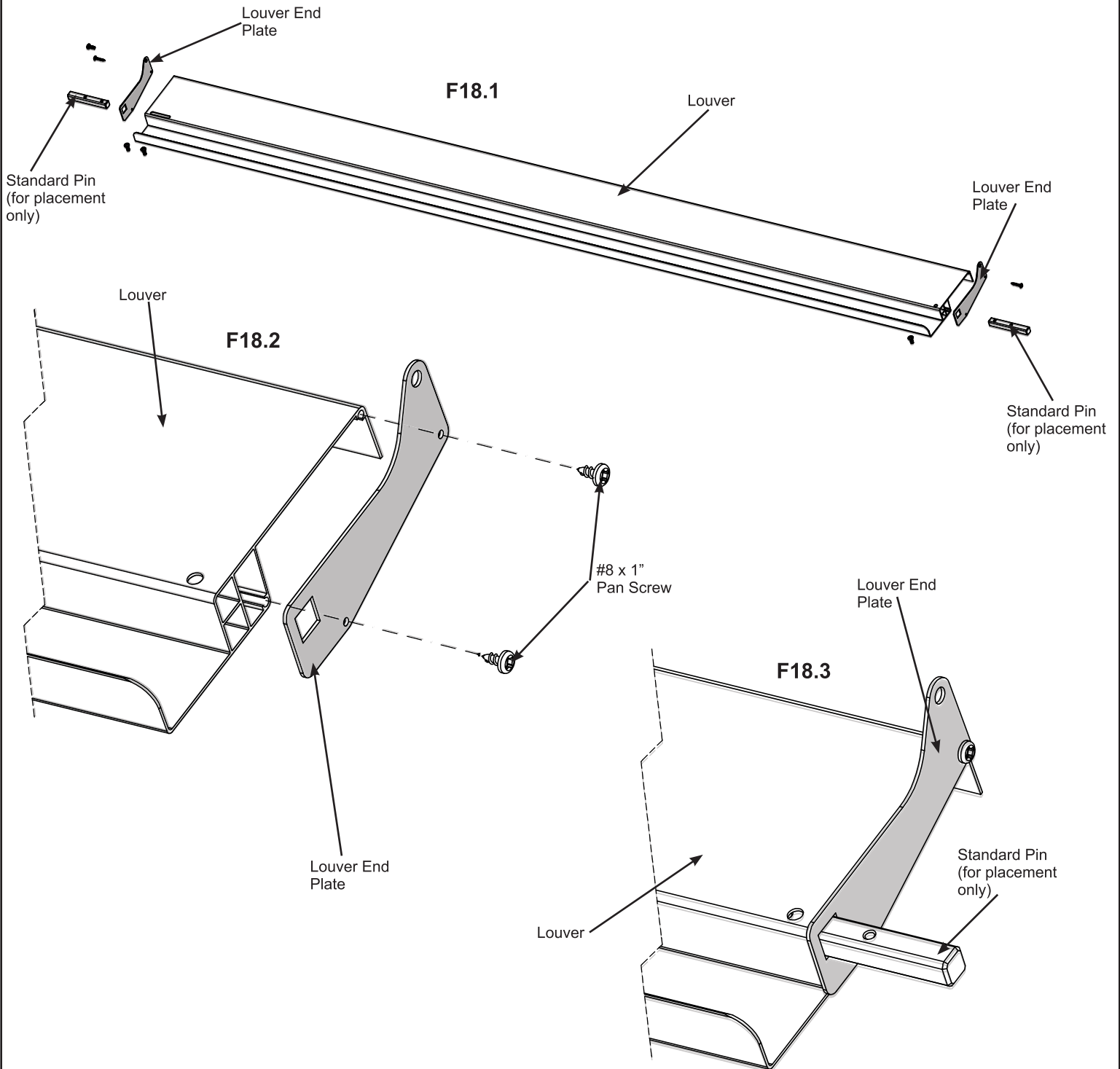


## Components

Sealant

# Step 18: Louver Assemblies Part 1

**A:** On 12 Louvers attach one Louver End Plate to each end with two #8 x 1" Pan Screws per plate. Use a Standard Pin to help line up proper placement. Remove Standard Pin when Louver End Plate is secure. (F18.1, F18.2 and F18.3)



## Components

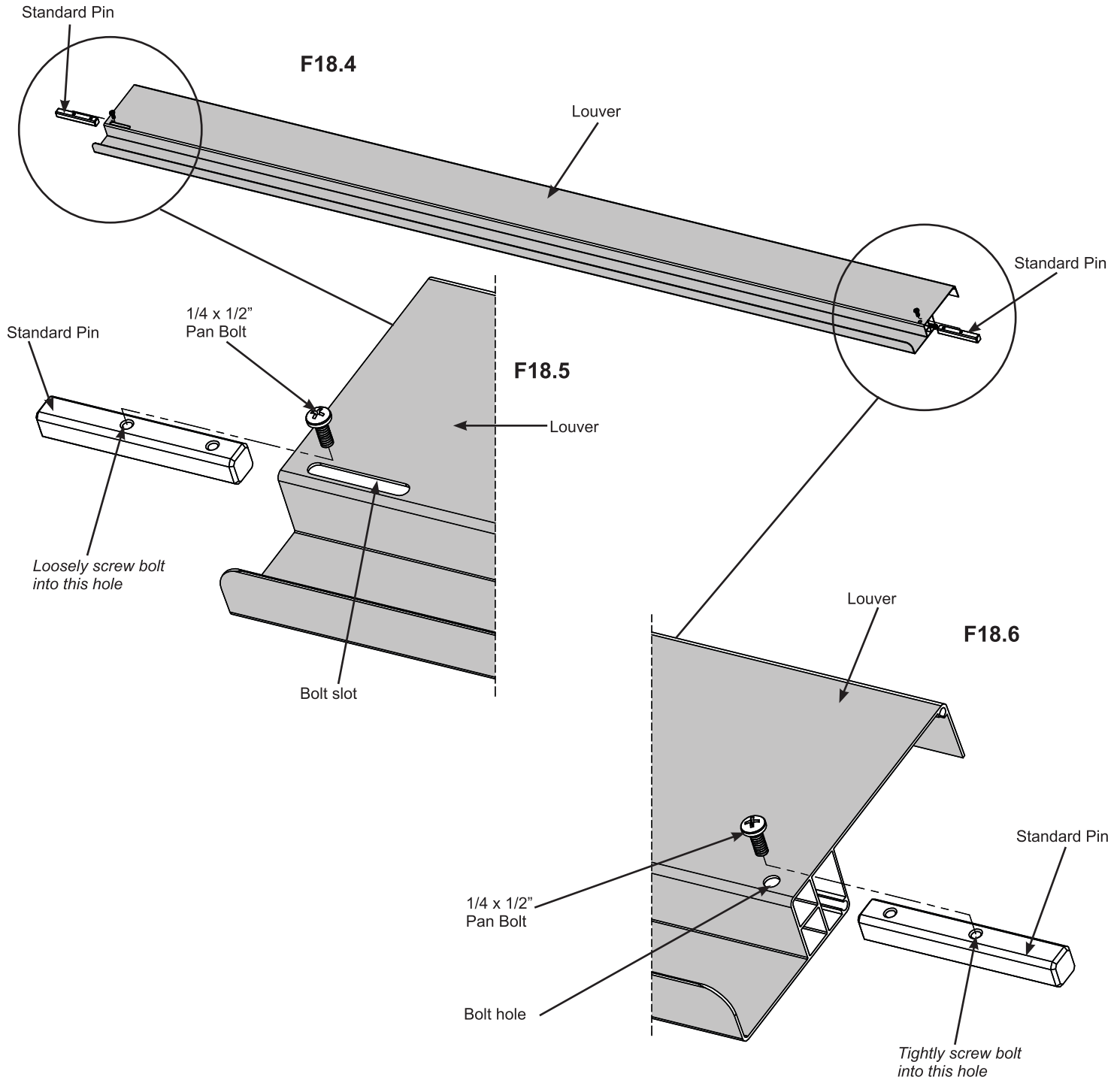
12 x Louver  
24 x Louver End Plate

## Hardware

48 x #8 x 1" Pan Screw

# Step 18: Louver Assemblies Part 2

**B:** On the remaining 64 Louvers place one Standard Pin in the square slot at each end. Push pins all the way in to the second bolt hole. On the side of the Louver with the single bolt hole, tightly attach to pin with one 1/4 x 1/2" Pan Bolt. On the side of the Louver with the bolt slot, loosely attach to pin with one 1/4 x 1/2" Pan Bolt. Notice which end of Standard Pin is inserted in Louvers. (F18.4, F18.5 and F18.6)



### Components

64 x Louver  
128 x Standard Pin

### Hardware

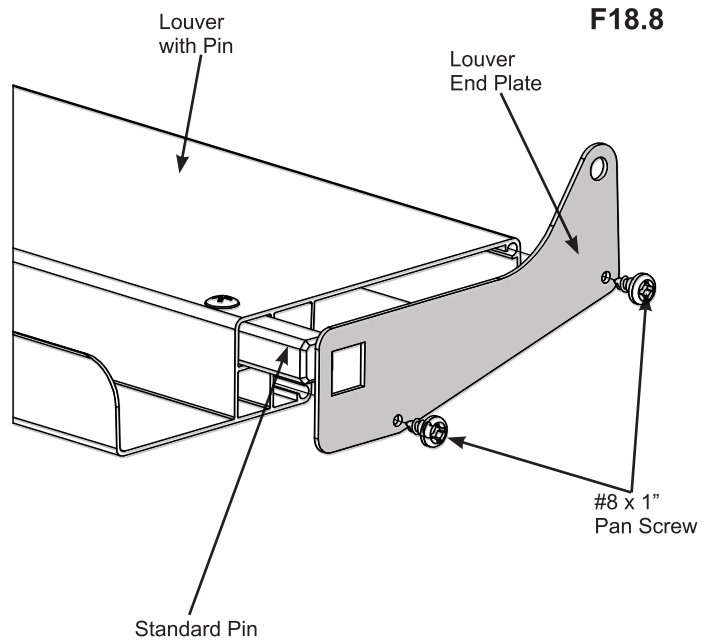
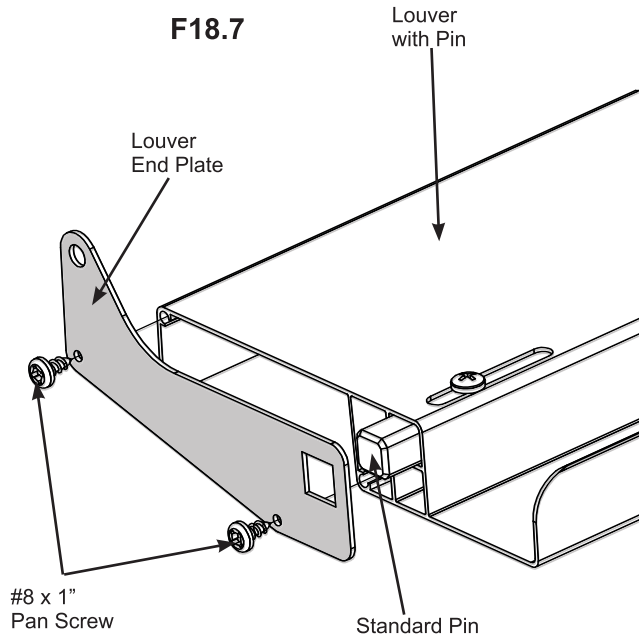
128 x 1/4 x 1/2" Pan Bolt



# Step 18: Louver Assemblies

## Part 3

**C:** Place one Louver End Plate at each end of the Louvers, fitting over the pins then attach with two #8 x 1" Pan Screws per plate. (F18.7 and F18.8)



### Components

128 x Louver End Plate

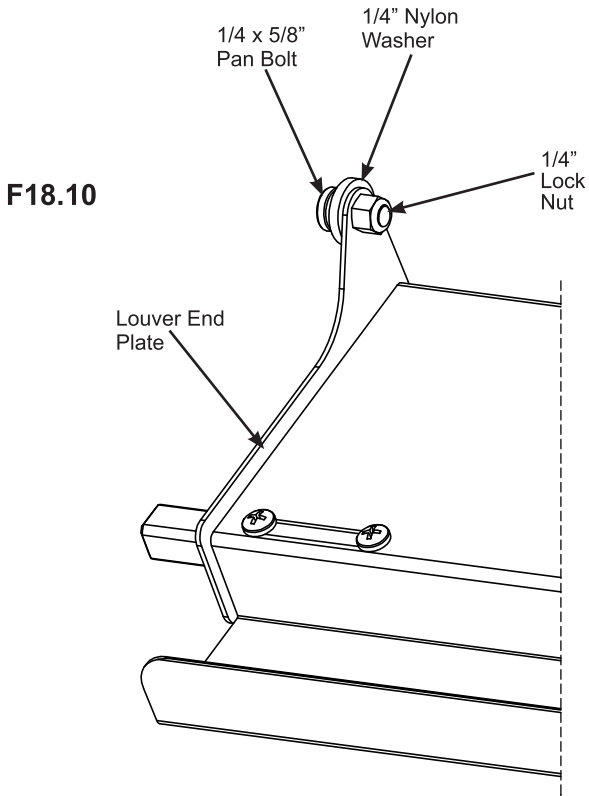
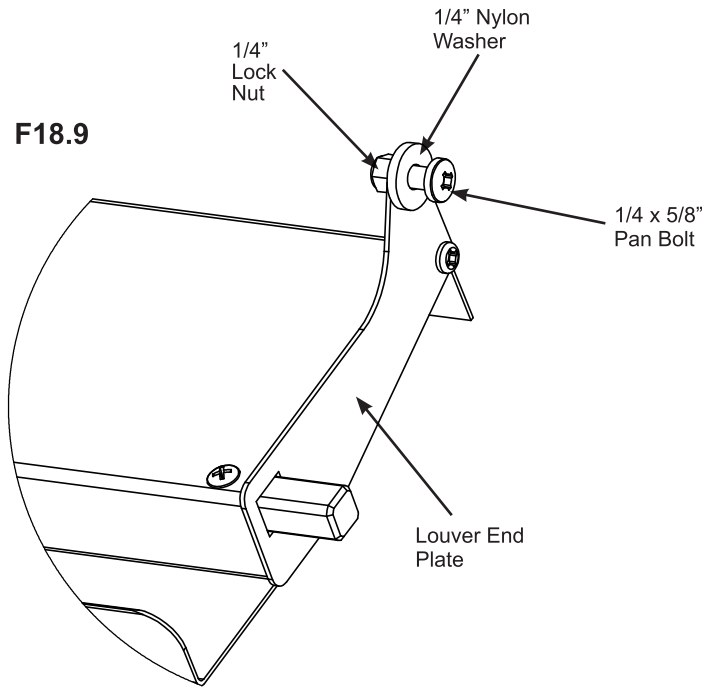
### Hardware

256 x #8 x 1" Pan Screw

# Step 18: Louver Assemblies

## Part 4

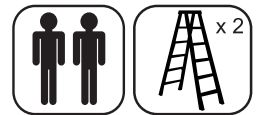
D: On each Louver End Plate loosely attach one 1/4 x 5/8" Pan Bolt (with nylon washer and 1/4" lock nut) per plate. (F18.9 and F18.10)



### Hardware

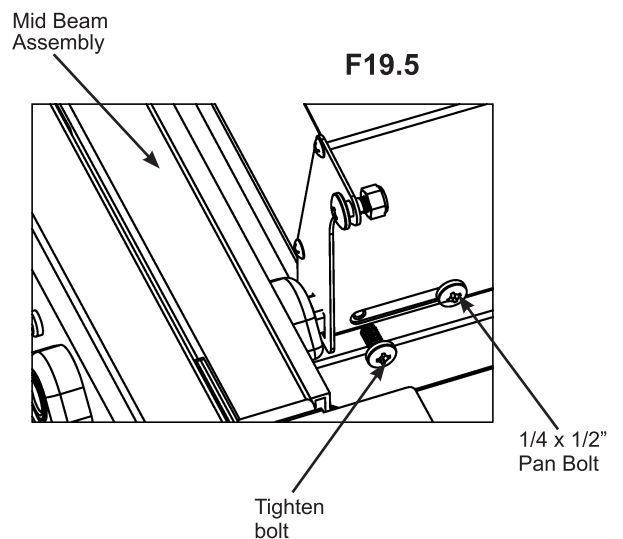
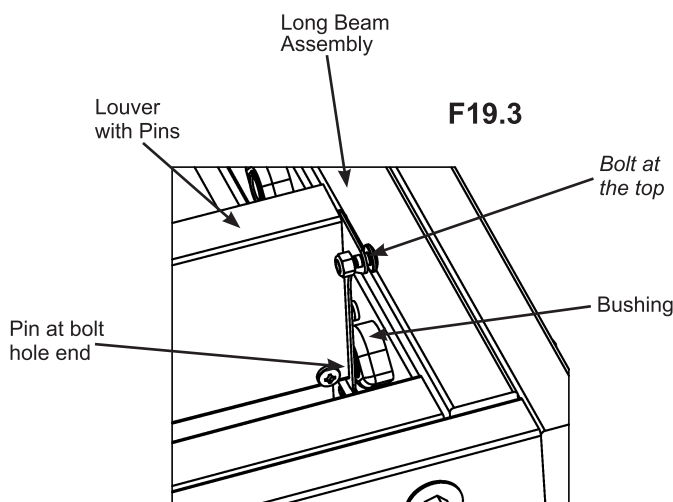
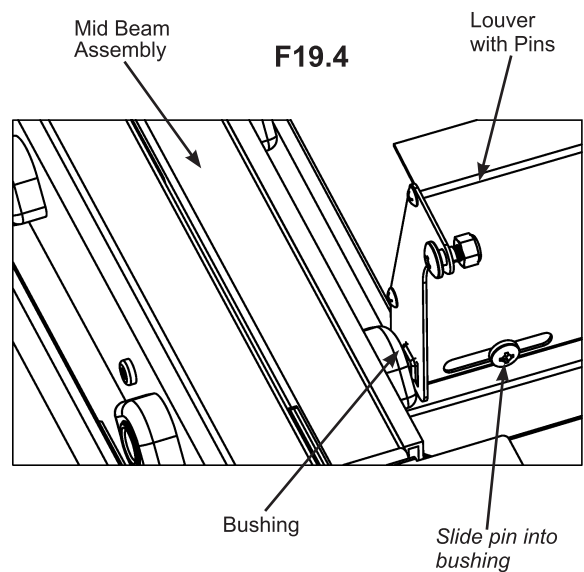
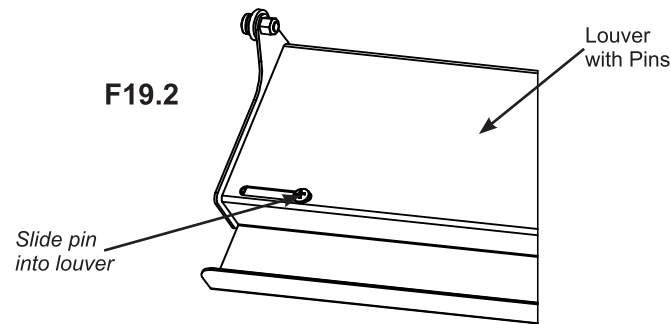
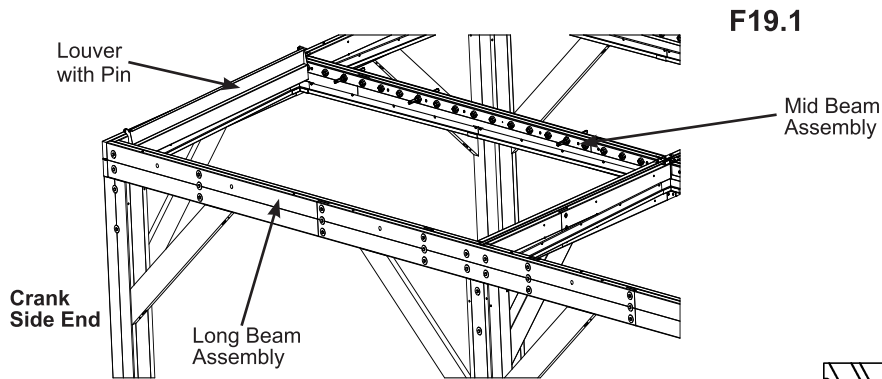
152 x 1/4 x 5/8" Pan Bolt  
(1/4" nylon washer, 1/4" lock nut)

# Step 19: Attach Louver Assemblies Part 1



**A:** Starting at the Crank End Side, with one Louver with pins, bolt at the top. Move the pin in the bolt slot end all the way into the Louver. Insert fully tightened pin at bolt hole end into first bushing on the Long Beam Assembly. (F19.1, F19.2 and F19.3)

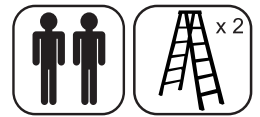
**B:** Slide the pin on the bolt slot end out of the Louver and into the first bushing on the Mid Beam Assembly and tighten bolt. Attach one 1/4 x 1/2" Pan Bolt into Standard Pin through bolt slot. Both bolts should be tight. (F19.1, F19.4 and F19.5)



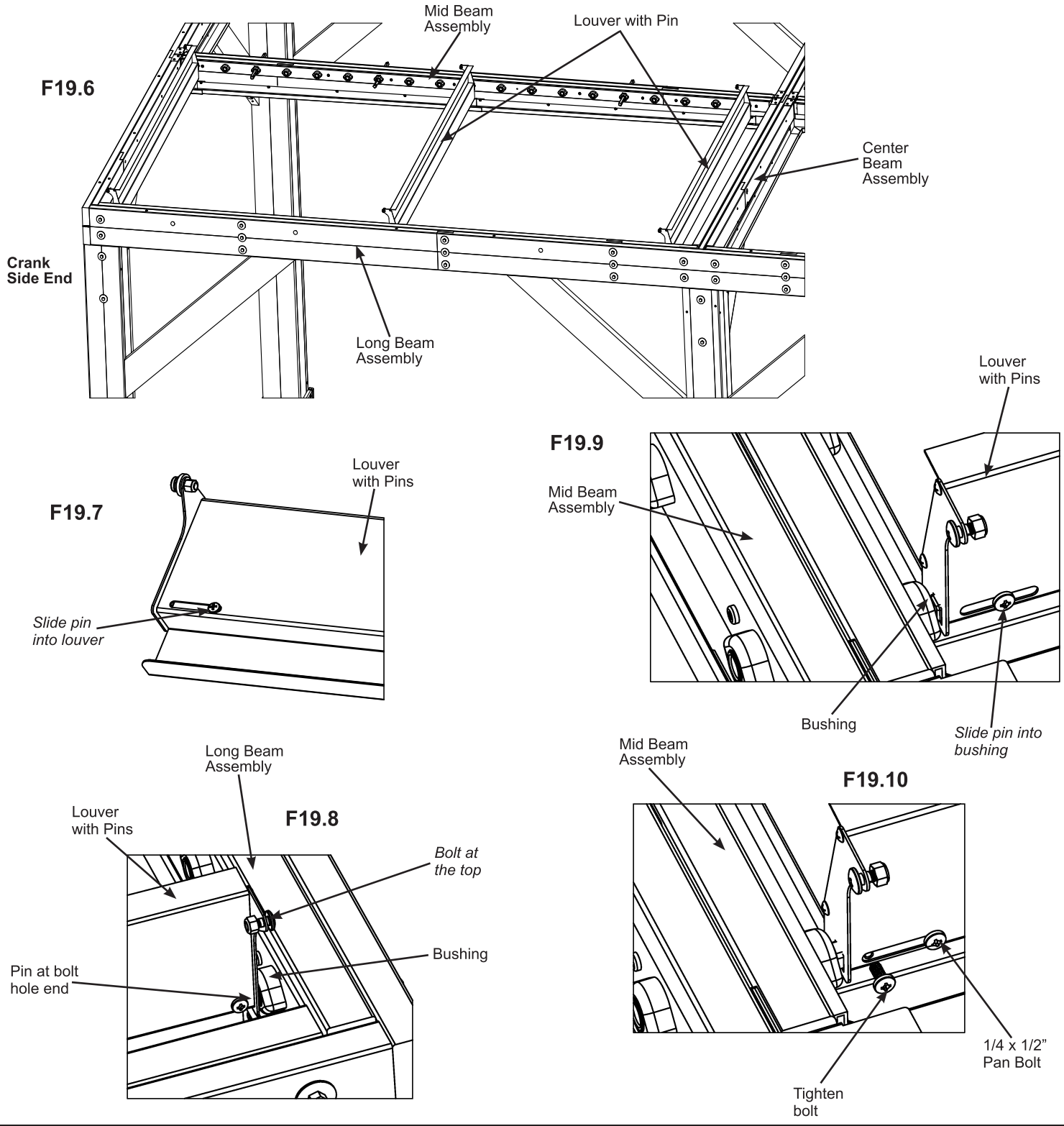
## Hardware

4 x 1/4 x 1/2" Pan Bolt

# Step 19: Attach Louver Assemblies Part 2



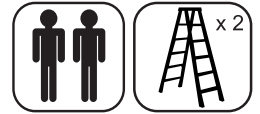
**C:** Repeat Steps A - B to install two Louvers with pins in the middle and last bushing (next to the Center Beam Assembly) (F19.6, F19.7, F19.8, F19.9 and F19.10)



**Hardware**

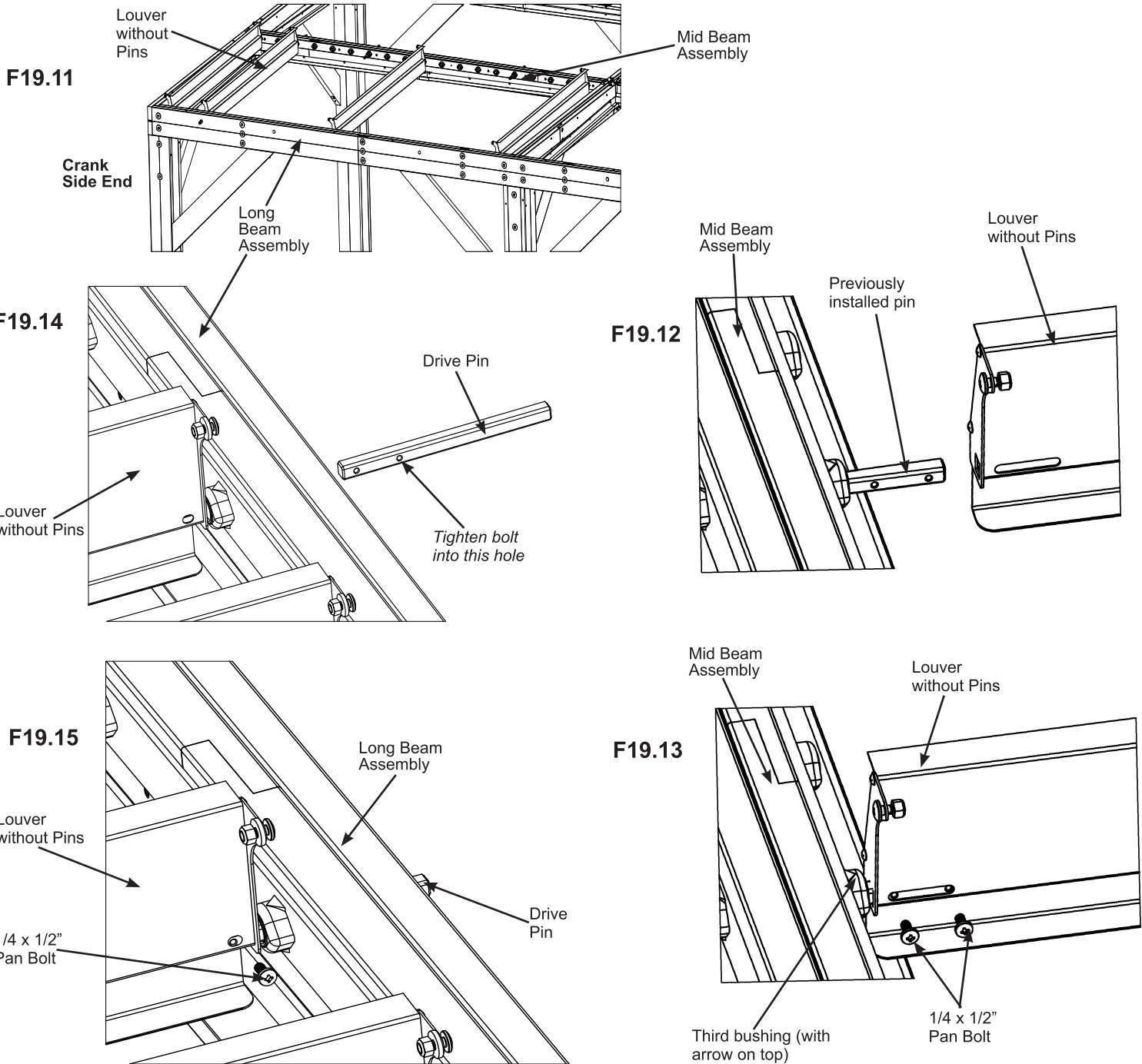
8 x 1/4 x 1/2" Pan Bolt

# Step 19: Attach Louver Assemblies Part 3



**D:** At the third bushing place one Louver without pins so the end with the bolt slot fits over the pin previously installed on the Mid Beam Assembly. Attach with two 1/4 x 1/2" Pan Bolts. (F19.11, F19.12 and F19.13)

**E:** Through the outside of the Long Beam Assembly insert one Drive Pin through the bushing with the arrow on top and into the Louver without pins. Attach with one 1/4 x 1/2" Pan Bolt into second hole of Drive Pin. (F19.11, F19.14 and F19.15)



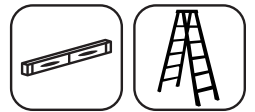
**Components**

4 x Drive Pin

**Hardware**

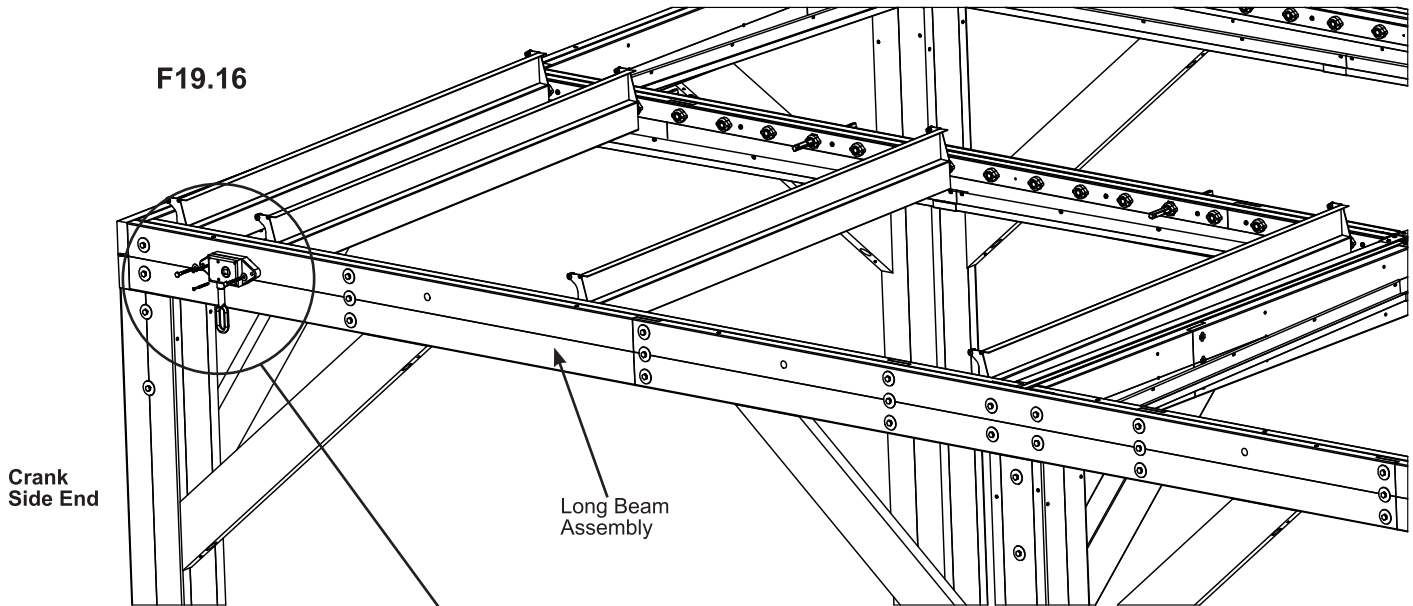
12 x 1/4 x 1/2" Pan Bolt

# Step 19: Attach Louver Assemblies Part 4



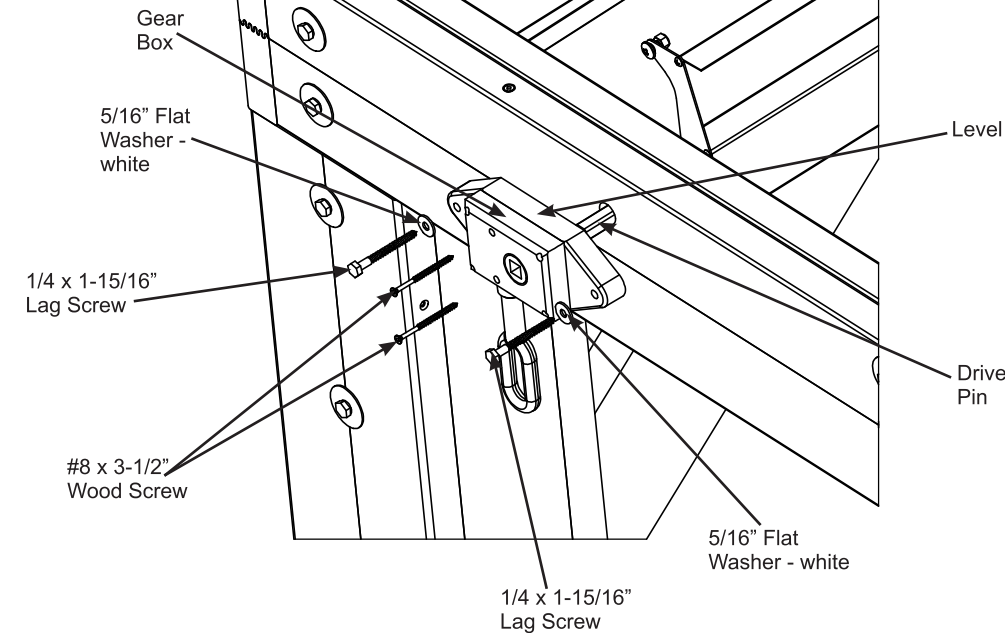
**E:** Place one Gear Box over the Drive Pin, make sure it is level then attach to Long Beam Assembly with two 1/4 x 1-15/16" Lag Screws (with 5/16" flat washer - white) and two #8 x 3-1/2" Wood Screws. (F19.16 and F19.17)

**F19.16**



Long Beam Assembly

**F19.17**



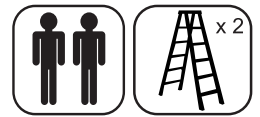
**Components**

4 x Gear Box

**Hardware**

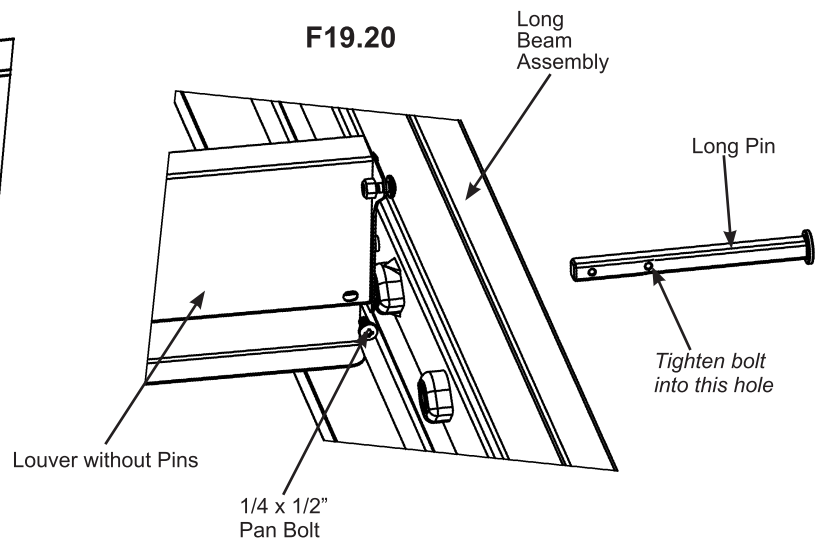
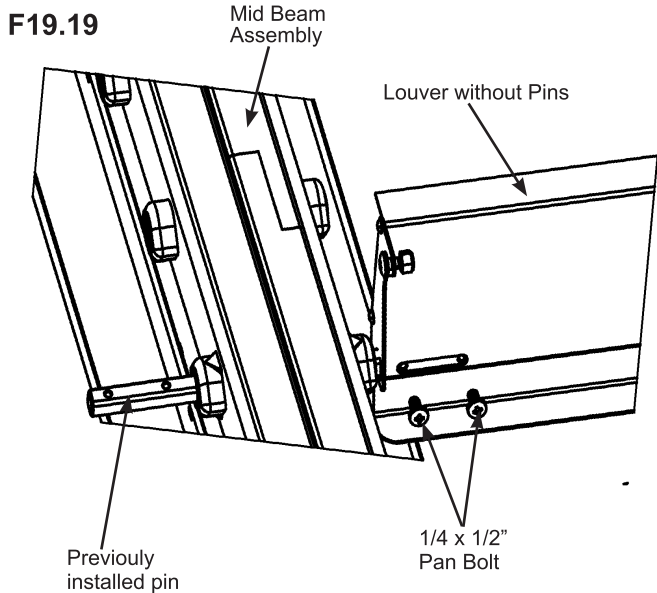
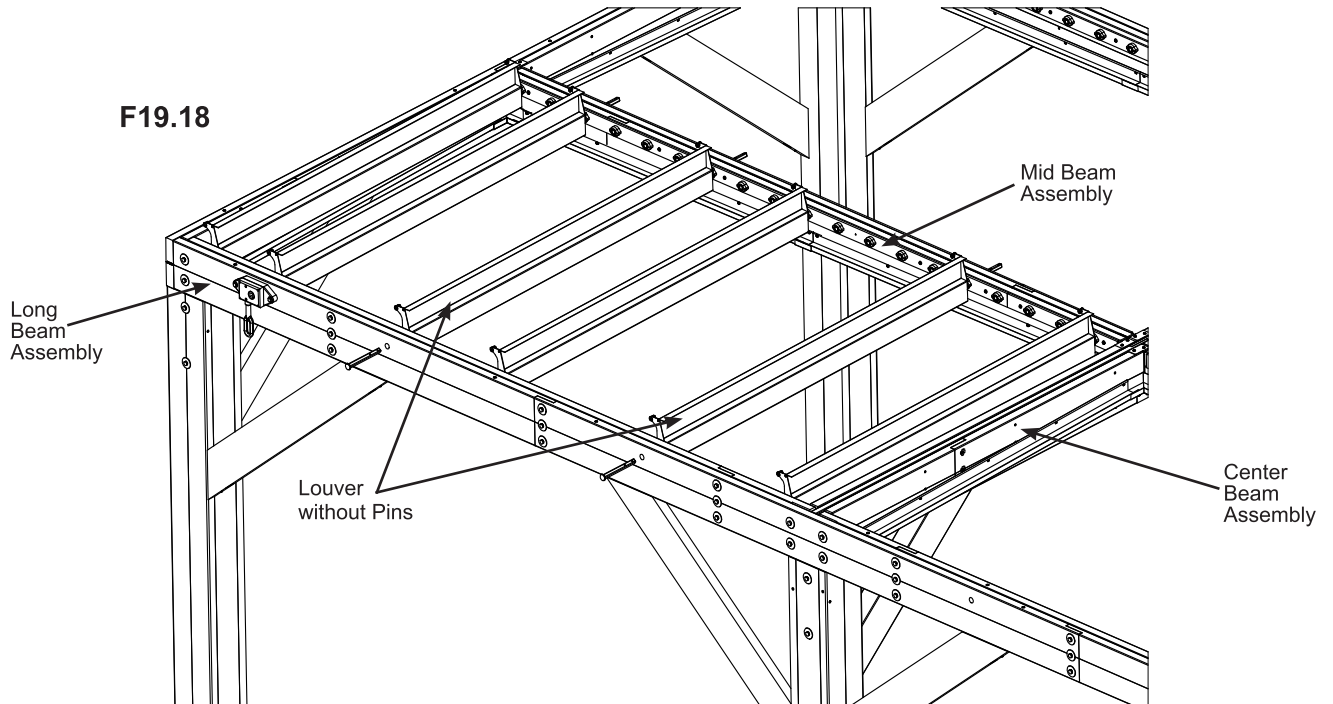
8 x 1/4 x 1-15/16" Lag Screw (5/16" flat washer - white)  
8 x #8 x 3-1/2" Wood Screw

# Step 19: Attach Louver Assemblies Part 5



**F:** Place two Louvers without pins so the end with the bolt slot fits over the pins previously installed on the Mid Beam Assembly. Attach with two 1/4 x 1/2" Pan Bolts. (F19.18 and F19.19)

**G:** Through the outside of the Long Beam Assembly insert one Long Pin, per louver, through the bushing and into the Louver without pins. Attach with one 1/4 x 1/2" Pan Bolt. (F19.18 and F19.20)



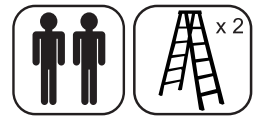
### Components

8 x Long Pin

### Hardware

24 x 1/4 x 1/2" Pan Bolt

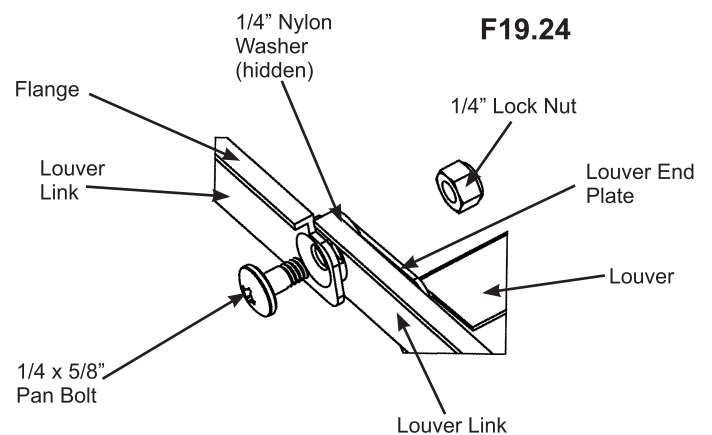
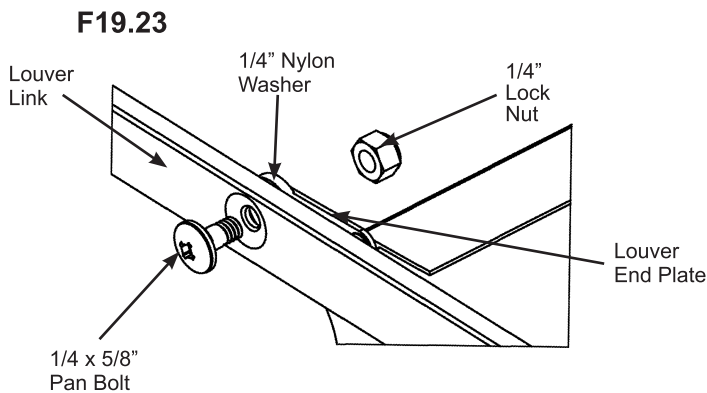
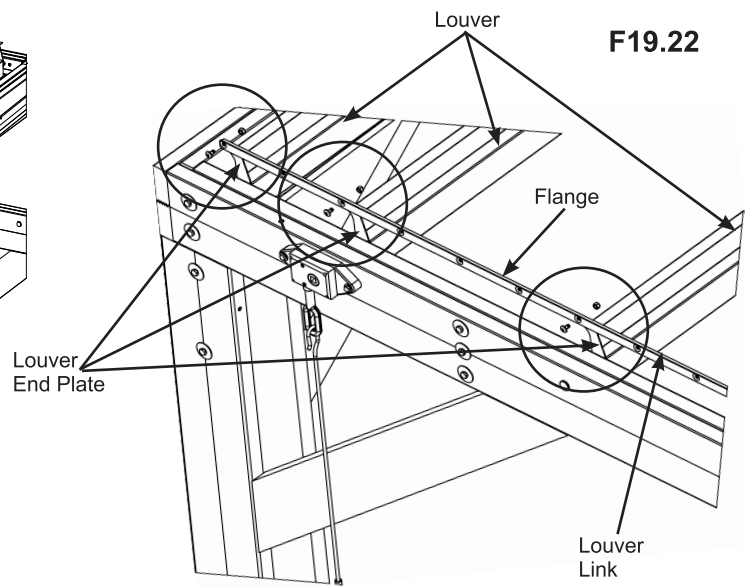
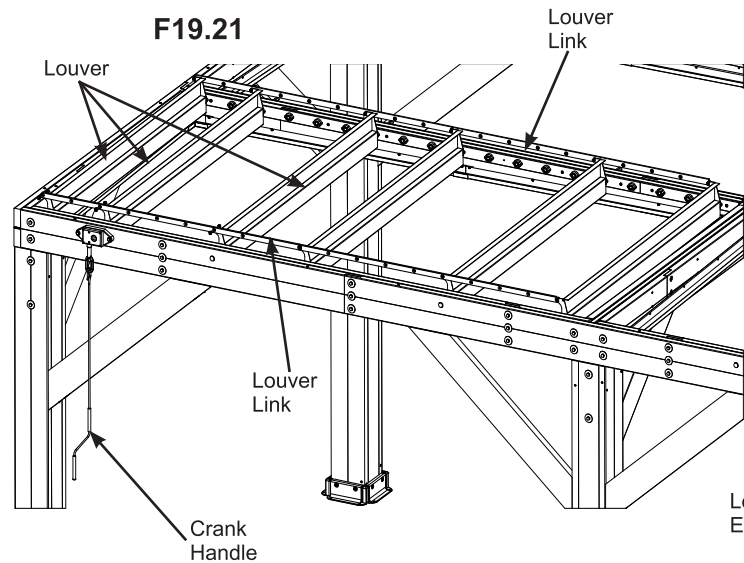
# Step 19: Attach Louver Assemblies Part 6



**H:** Using the bolts, nylon washers and lock nuts previously attached to the tops of the Louver End Plates, connect one Louver Link to each end of the first three louvers. Lock nuts to be flush to end of bolt. The flange on the Louver Link to point away from Louvers. (F19.21, F19.22 and F19.23)

**I:** At the end of the Louver Link connect a second Louver Link to each end of the louver installed in Step C using the bolts, nylon washers and lock nuts previously attached to the tops of the Louver End Plates. Connect remaining louvers to Louver Links. (F19.18, F19.19 and F19.20)

*Crank Handle can be attached at this time.*

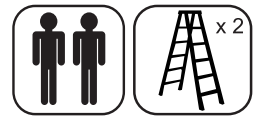


## Components

16 x Louver Link

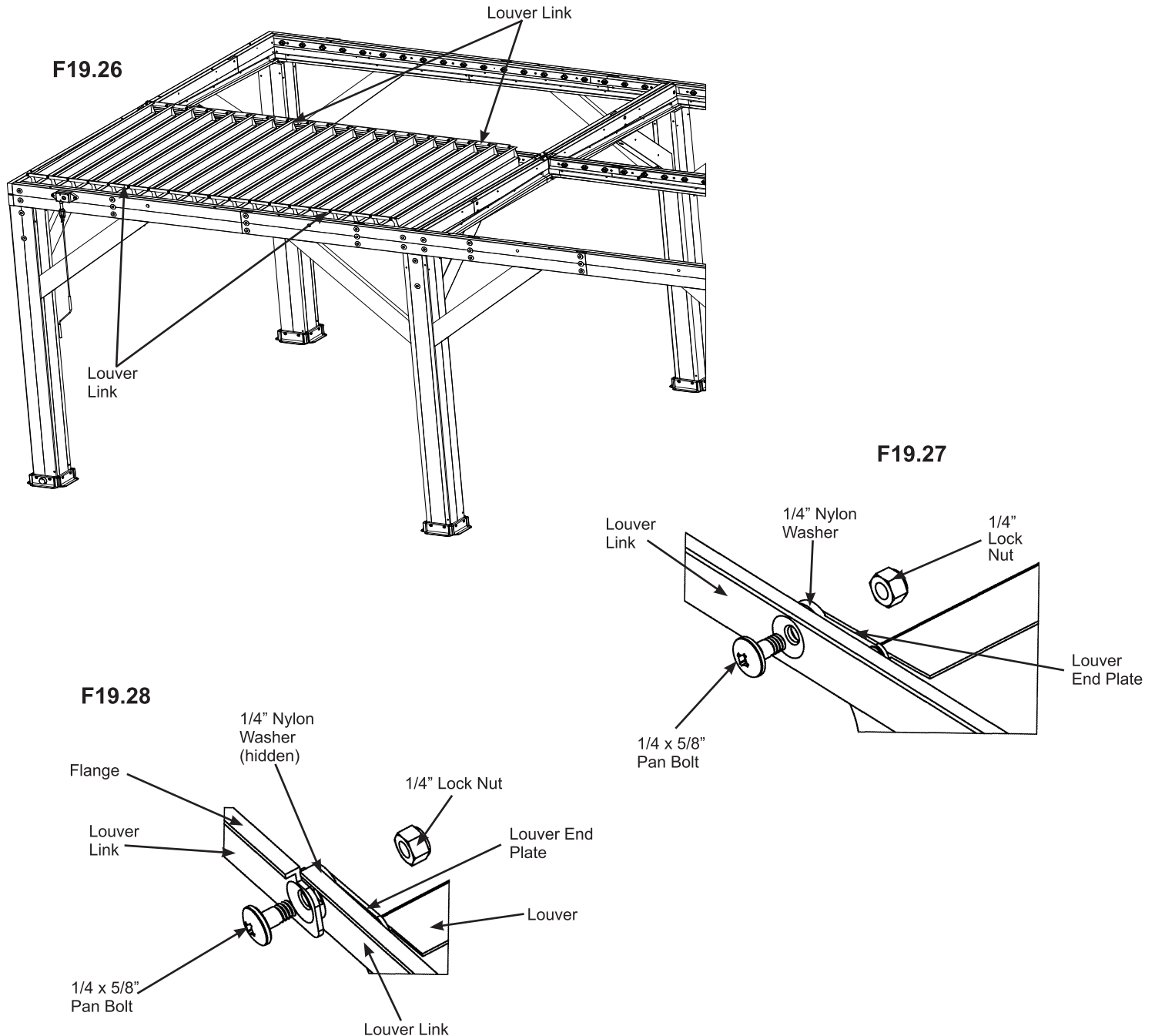


# Step 19: Attach Louver Assemblies Part 7



**J:** Attach 13 remaining Louvers with pins to the beams on this side of the assembly as described for the first in Steps A and B. (page 59)

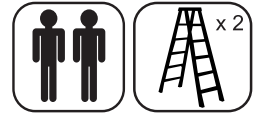
**K:** Connect remaining louvers to Louver Links with previously attached bolts, nylon washer and lock nuts. (F19.26, F19.27 and F19.28)



## Hardware

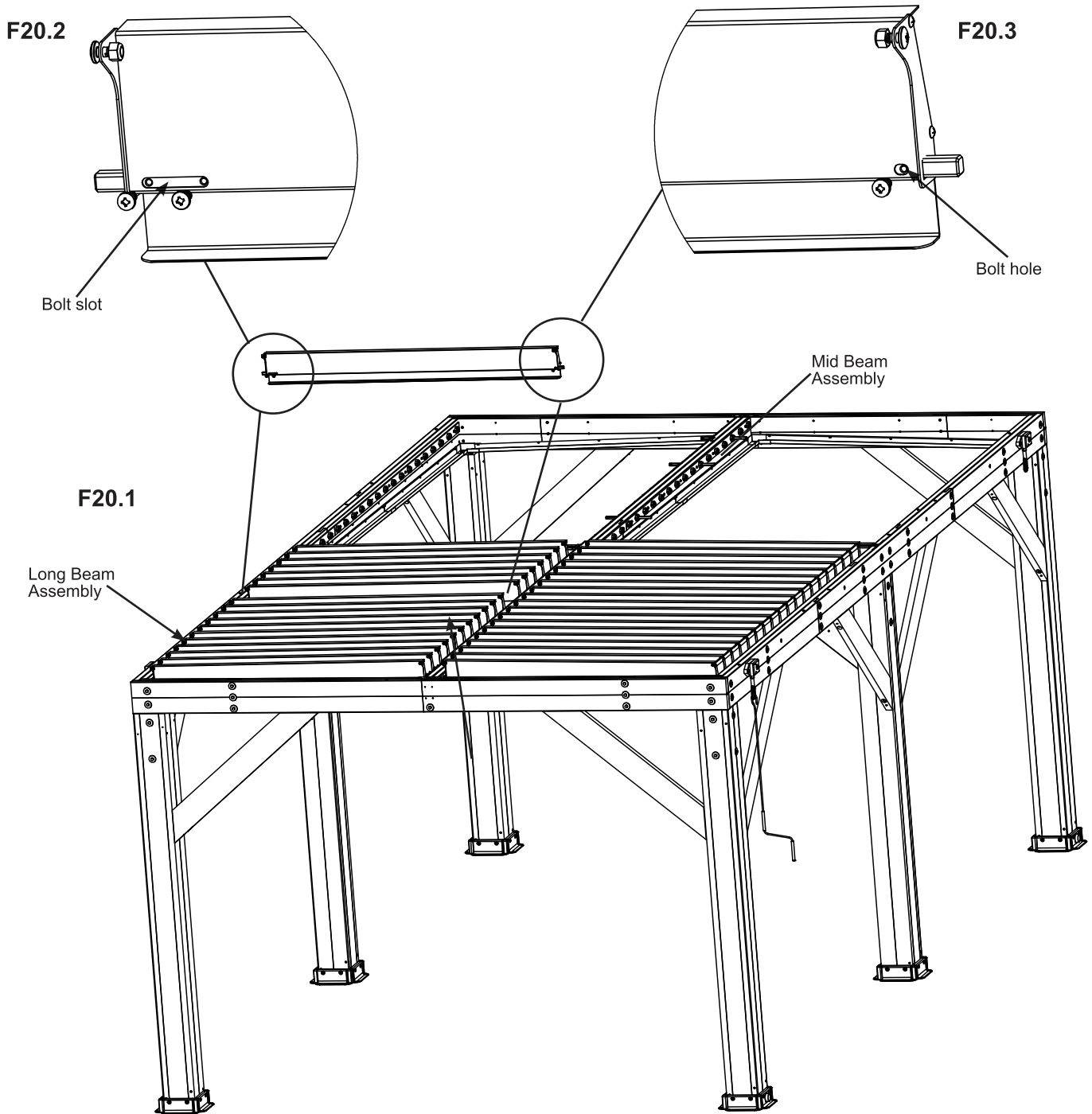
52 x 1/4x 1/2" Pan Bolt

# Step 20: Attach Louver Assemblies - Second Side

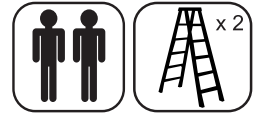


**A:** Repeat Step 19 (A - K) for the second side of the assembly.

**B:** When connecting the Louvers with and without pins for this side make sure end with bolt slot (2 bolts) is attached to the Long Beam Assembly and the end with the single bolt hole is attached to the Mid Beam Assembly. If they are not attached in this order they will not turn properly. (F20.1, F20.2 and F20.3)

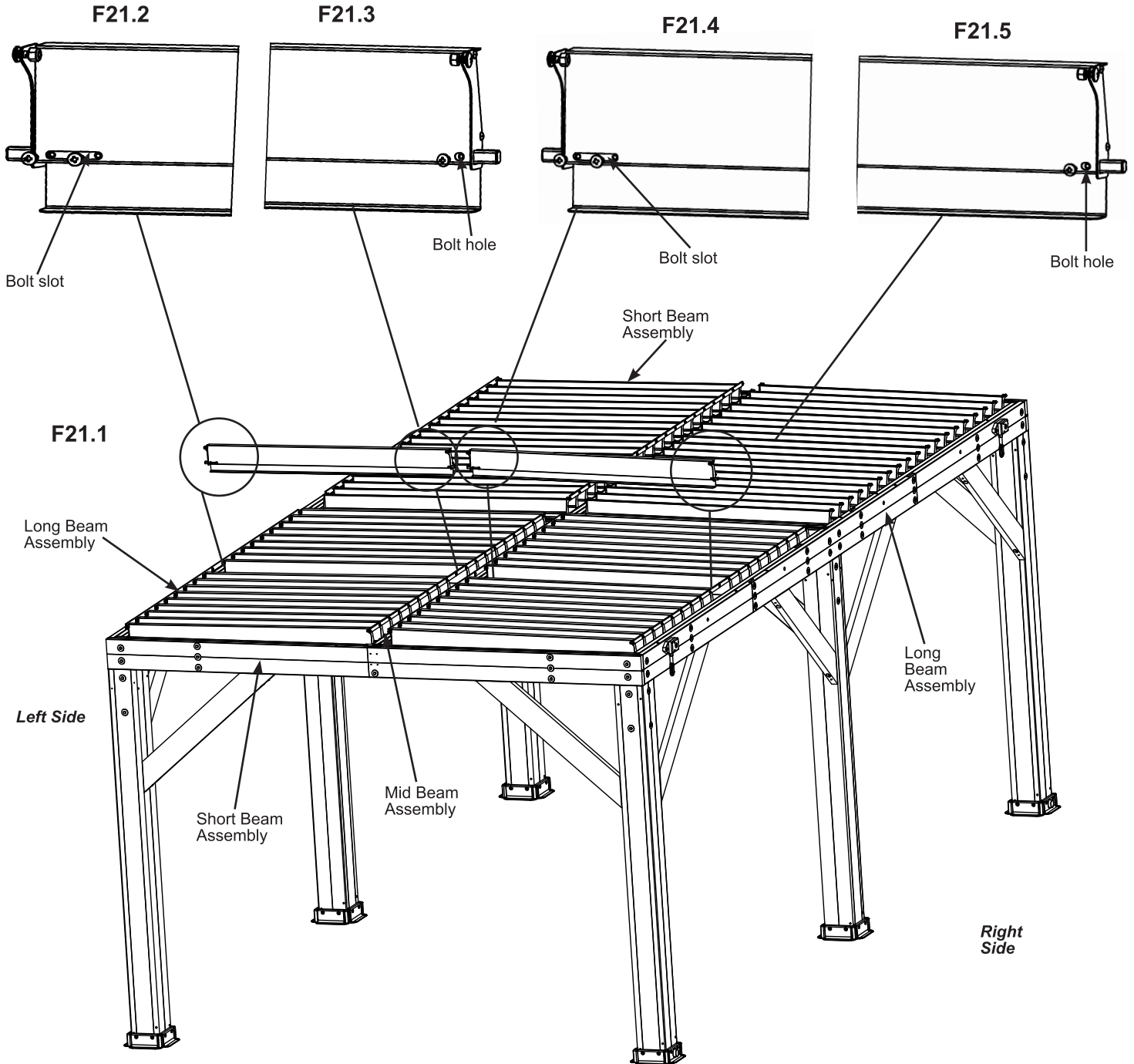


# Step 21: Attach Louver Assemblies - Second half



**A:** Repeat Steps 19 (A - K) and 20 for the second half of the assembly.

**B:** When connecting the Louvers with and without pins for this side make sure end with bolt slot (2 bolts) is on the left hand side and the Louver End Plates with Bolts are facing the Short Beam Assembly. If they are not attached in this order they will not turn properly. (F21.1, F21.2, F21.3, F21.4 and F21.5)

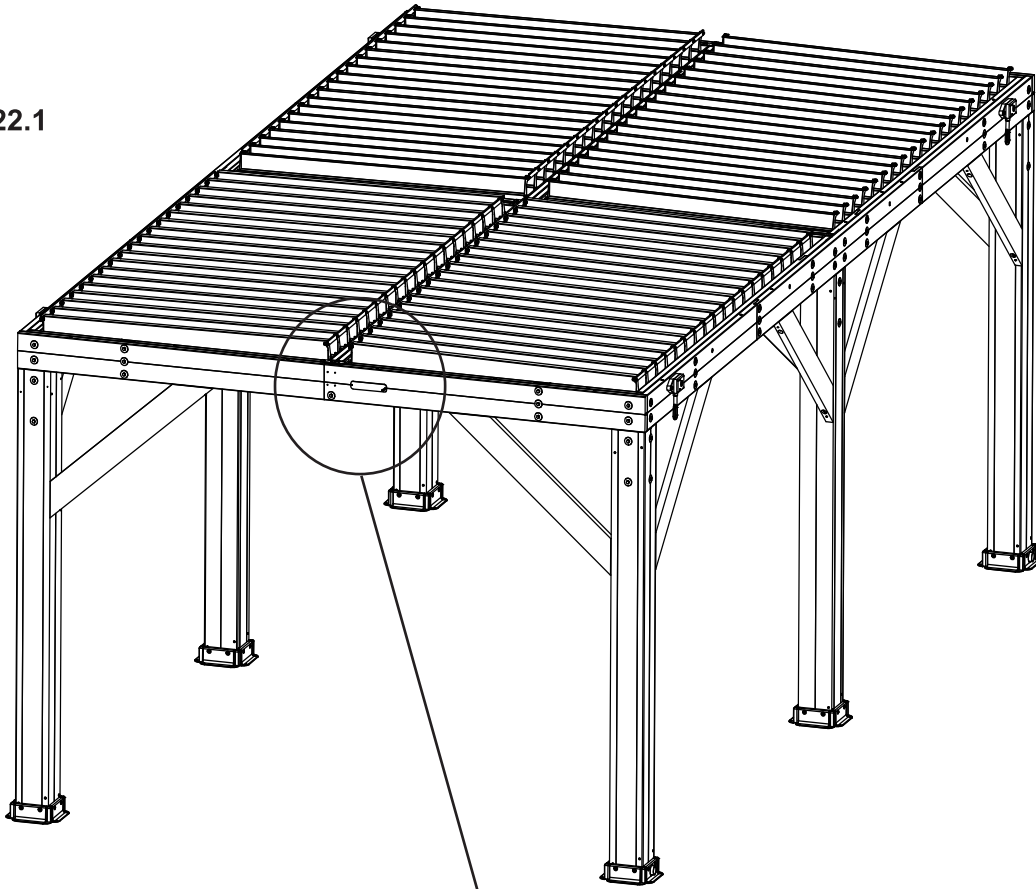


# Step 22: Attach ID Plaque

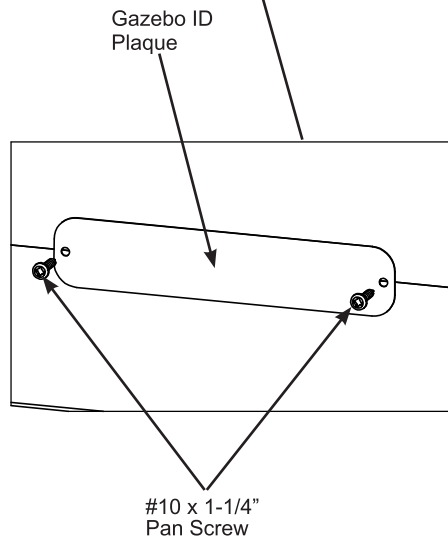


**A:** Attach Gazebo ID Plaque to a prominent location on your gazebo with two #10 x 1-1/4" Pan Screws. This provides warnings concerning safety and important contact information. A tracking number is provided to allow you to get critical information or order replacement parts for this specific model. (F22.1 and F22.2)

F22.1



F22.2



### Components

1 x Gazebo ID Plaque

### Hardware

2 x #10 x 1-1/4" Pan Screw

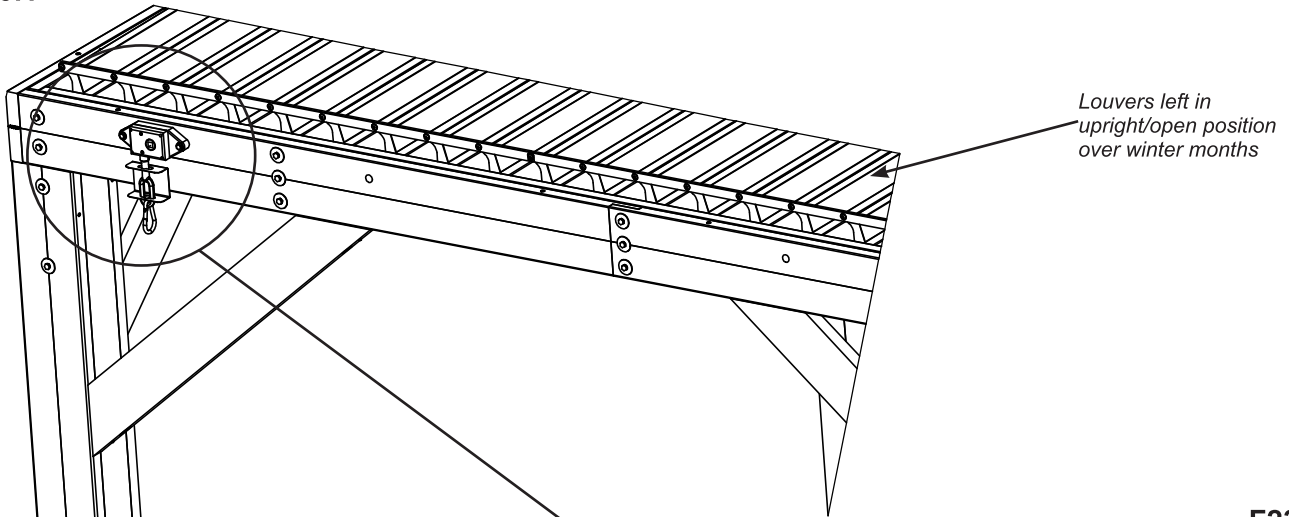
# Step 23: Gear Box Lockout and Winter Maintenance



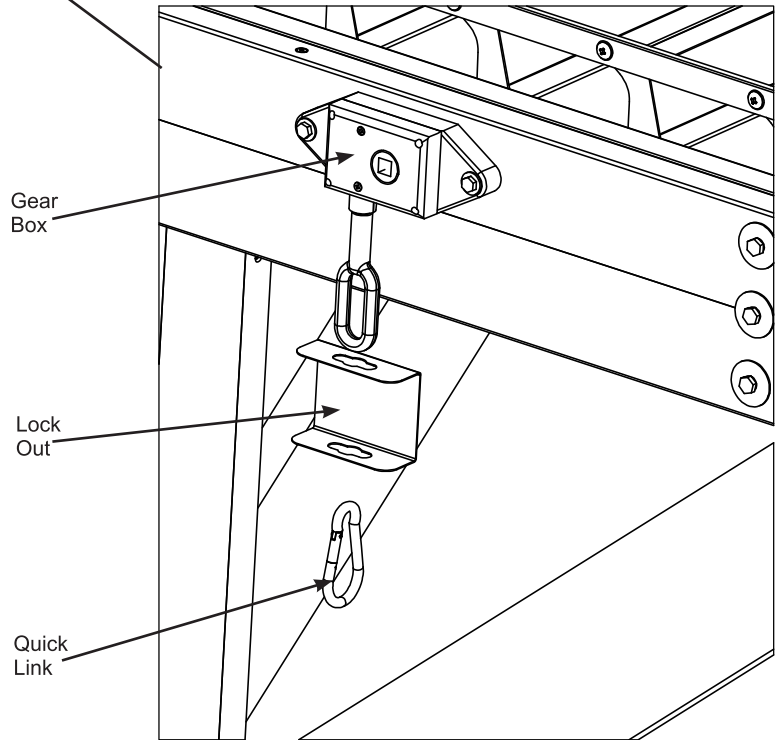
**A:** To lock the Gear Box remove the Crank Handle then attach Lock Out to each Gear Box using the Quick Link to secure in place. (F23.1 and F23.2)

**IMPORTANT!** When preparing for high winds and/or winter conditions, turn the louvers to the open position (upright) then attach the Lock Out and Quick Link. This will prevent the structure from blowing over due to high winds and the louvers from breaking due to snow and ice loads. (F23.1 and F23.2)

F23.1



F23.2



### Components

- 4 x Lock Out
- 4 x Quick Link



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First Name - Primer Nombre - Prénom	Initial - Inicial - Initiale	Last Name - Apellido - Nom de famille

Street - Calle - Rue	PO Box - Casilla postal - Boîte postale	Apt. No. - App.

City - Ciudad - Ville	State/Province - Estado/Provincia - État/Province

ZIP/Postal Code - Código Postal - ZIP/Code postal	Country - País - Pays

E-mail Address - Dirección de E-mail - Adresse courriel	Telephone Number - No. de Teléfono - N° de téléphone

Model Name - Nombre del Modelo - Nom du modèle	Model Number (from front cover) - Número de Modelo (de la portada) - N° du modèle (page de couverture)

Date of Purchase - Fecha de Compra - Date d'achat (mm/dd/yyyy) (mm/dd/aaaa) (mm/jj/aaaa)	Place of Purchase - Comprado a - Lieu d'achat

Comments - Comentarios - Commentaires:

### Mail To - Enviar por Correo a - Envoyer par courrier à:

Yardistry  
375 Sligo Road West, PO Box 10  
Mount Forest, Ontario, Canada, N0G 2L0  
Attention: Consumer Relations  
Atención a: Servicio de Atención al Cliente  
À l'attention de: Service à la clientèle

### Online Registration - Registro online - Enregistrement en ligne:

[www.yardistrystructures.com/warranty](http://www.yardistrystructures.com/warranty)

Hours/ Heures/ Horas: 8:30 am - 5:00 pm EST  
(excl. holidays/ hors jours fériés/ excepto los días festivos)

English and French Spoken / Anglais et français parlés / Inglés y francés hablado

Yardistry would like to say "Thank you" for your time and feedback.

Yardistry quiere "Agradecerle" por su tiempo y su opinión.

Yardistry aimerait vous remercier d'avoir pris le temps de répondre au sondage.