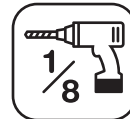
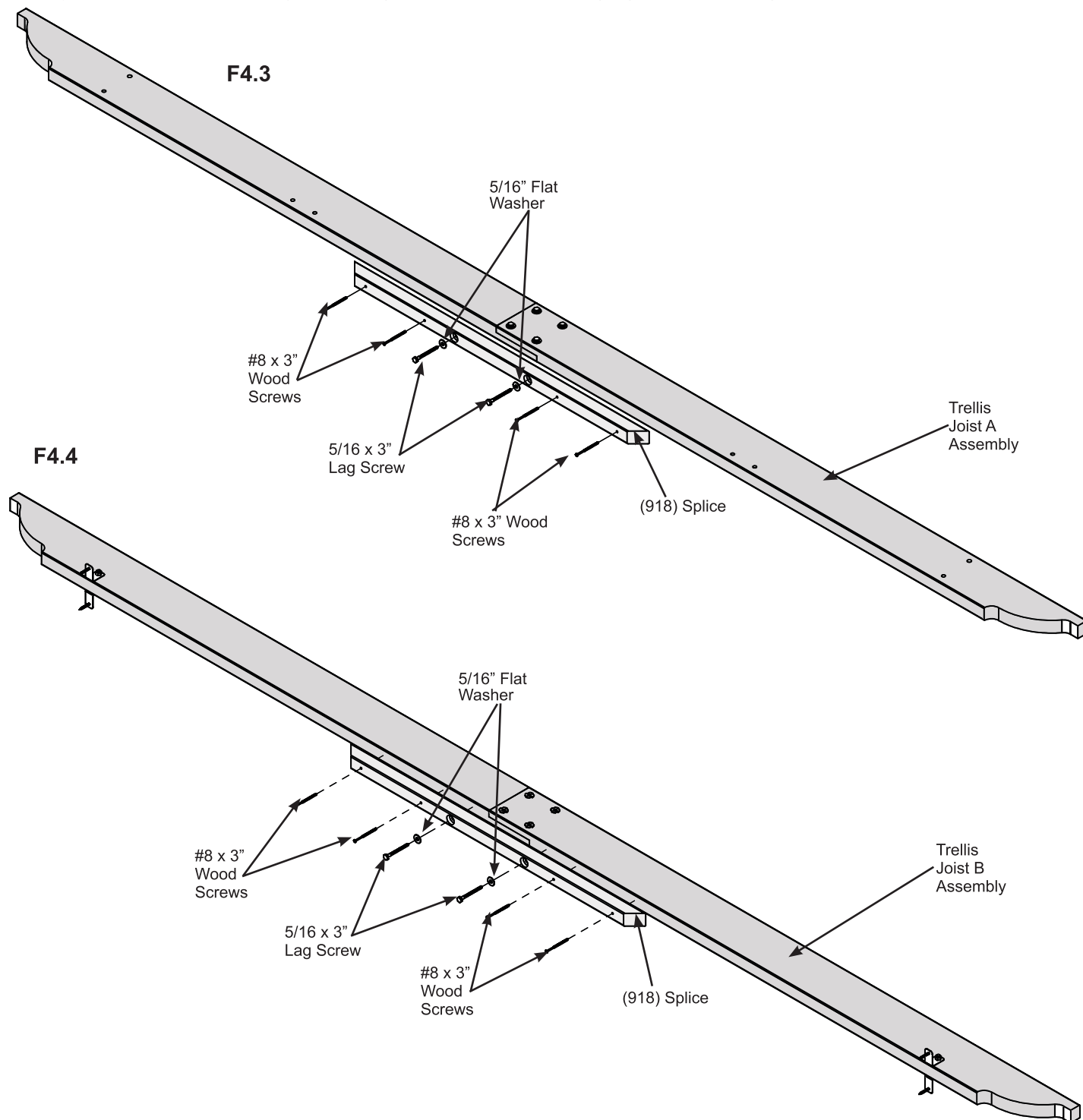


## Step 4: Trellis Joist Assembly, Part 2



**D:** On the short side of each Trellis Joist A Assembly and each Trellis Joist B Assembly centre one (918) Splice and attach with four #8 x 3" Wood Screws per assembly. (F4.3 and F4.4)

**E:** In the centre holes of each (918) Splice, pre-drill with a 1/8" drill bit, then attach (918) Splices to each assembly with two 5/16 x 3" Lag Screws (with 5/16" flat washer). (F4.3 and F4.4)



### Wood Parts

14 x (918) Splice

### Hardware

56 x #8 x 3" Wood Screw

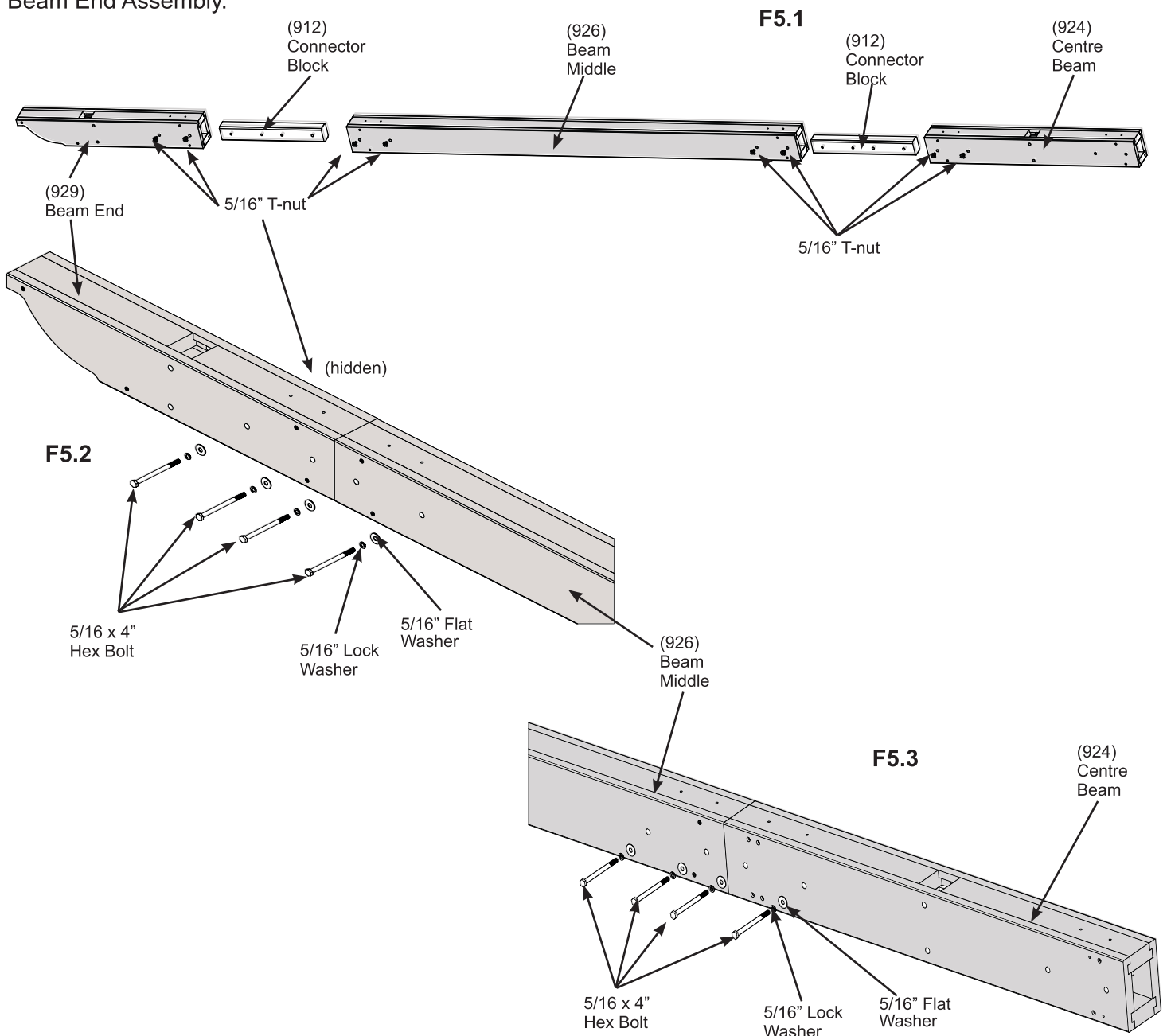
28 x 5/16 x 3" Lag Screw (5/16" flat washer)

# Step 5: Beam End Assembly, Part 1

**A:** At one end of one (926) Beam Middle connect one (929) Beam End using one (912) Connector Block and at the other end connect one (924) Centre Beam using one (912) Connector Block, as shown in F5.1. Notice pilot holes in (926) Beam Middle and (924) Centre Beam are facing up and detail in (929) Beam End are facing down.

**B:** On each Beam End Assembly loosely attach (926) Beam Middle, (929) Beam Ends and (924) Centre Beams to (912) Connector Blocks with four 5/16 x 4" Hex Bolts (with 5/16" lock washer, 5/16" flat washer and 5/16" t-nut) per connection, as shown in F5.2 and F5.3.

**C:** Repeat Steps A & B for a second Beam End Assembly, installing bolts from the opposite side from the first Beam End Assembly.



## Wood Parts

- 2 x (926) Beam Middle
- 2 x (929) Beam End
- 2 x (924) Centre Beam
- 4 x (912) Connector Block

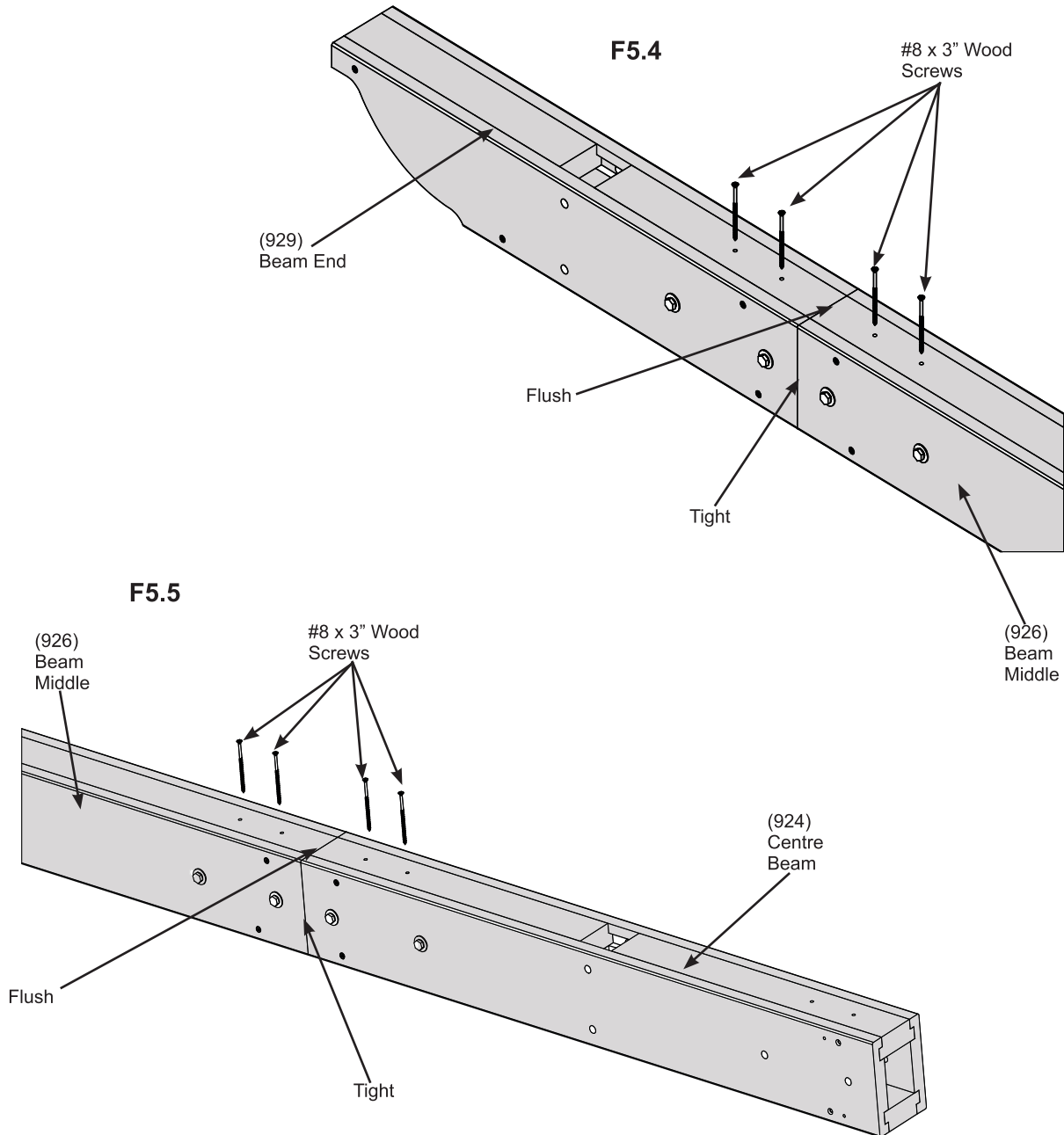
## Hardware

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

## Step 5: Beam End Assembly, Part 2

**C:** Make sure (929) Beam Ends, (926) Beam Middles and (924) Centre Beams are tight together and flush on the top for each Beam End Assembly then attach (926) Beam Middle, (929) Beam End and (924) Centre Beam to (912) Connector Blocks with four #8 x 3" Wood Screws per end, as shown in F5.4 and F5.5.

**D:** Tighten all bolts.



### Hardware

16 x #8 x 3" Wood Screw

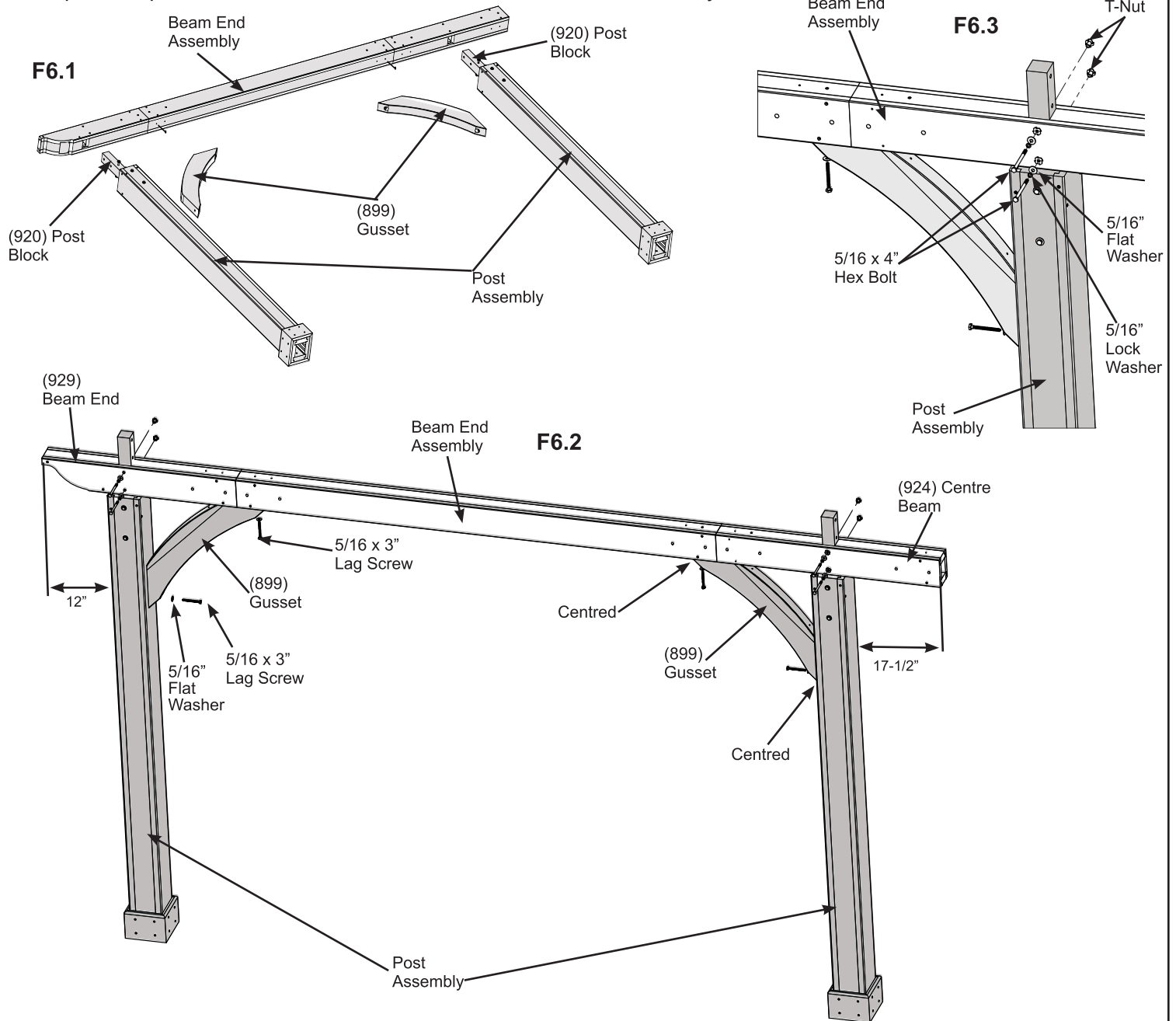
# Step 6: Post and Beam Assembly



**A:** Lay two Post Assemblies on a flat surface with the the bolt heads facing up. Place one Beam End Assembly, with bolt heads facing up, over (920) Post Blocks then attach with two 5/16 x 4" Hex Bolts (with 5/16" lock washer, 5/16" flat washer and 5/16" t-nut) per end. Make sure (929) Beam End overhangs the Post Assembly by 12" and the (924) Centre Beam overhangs the Post Assembly by 17-1/2". The assembly must be square and the bolts must be tight. (F6.1, F6.2 and F6.3)

**B:** Place one (899) Gusset, centred on Post and Beam Assemblies, in each corner, pre-drill with a 1/8" drill bit and attach to post and beam with two 5/16 x 3" Lag Screws (with 5/16" flat washer) per gusset. (F6.1, F6.2 and F6.3)

**C:** Repeat Steps A and B to create a second Post and Beam Assembly.



## Wood Parts

4 x (899) Gusset

## Hardware

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

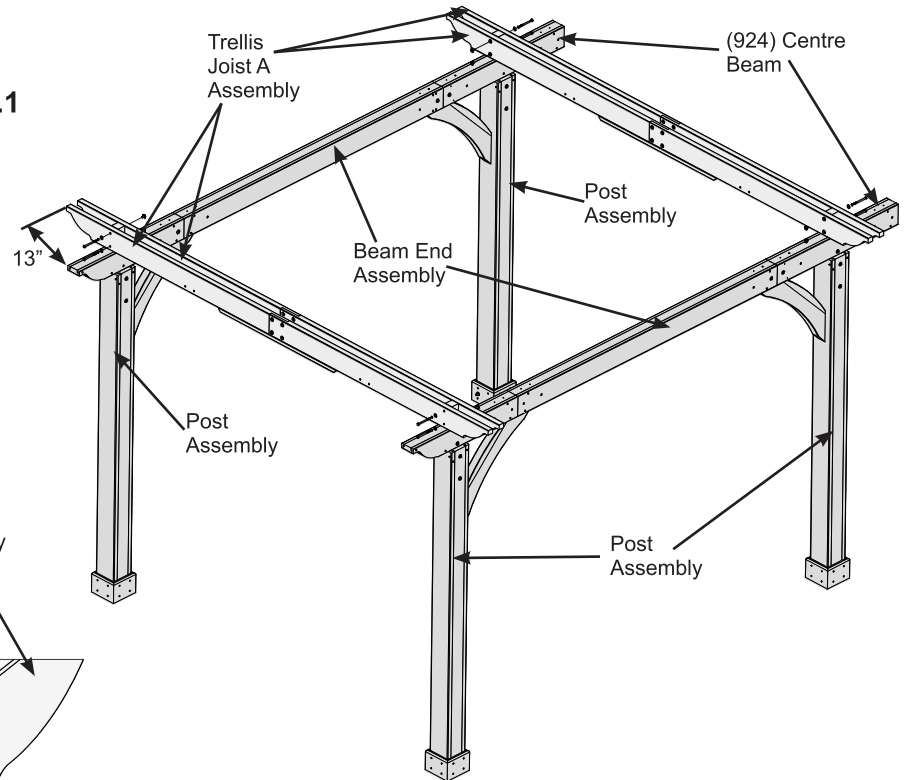
8 x 5/16 x 4" Hex Bolt  
(5/16" lock washer, 5/16" flat washer, 5/16" t-nut)

# Step 7: Attach Trellis Joist A Assemblies

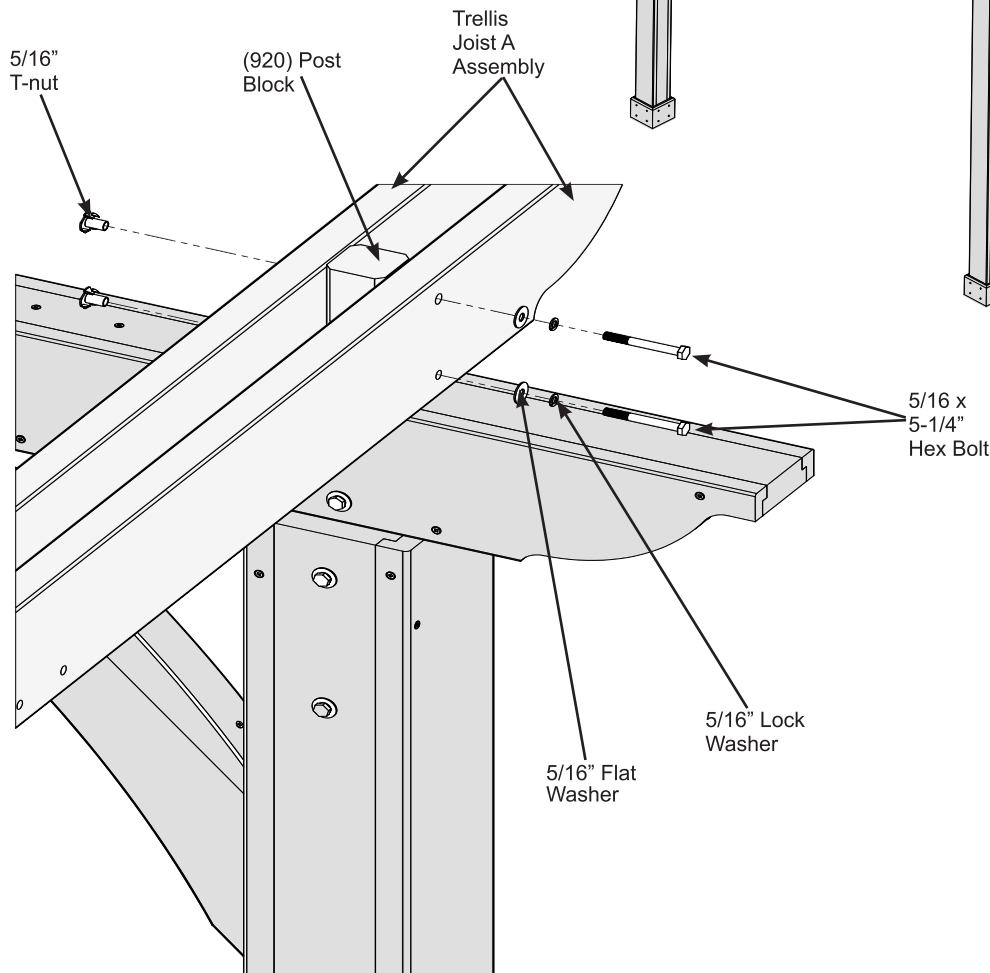


**A:** Stand both Post and Beam End Assemblies so (924) Centre Beams are on the same side, then place four Trellis Joist A Assemblies on Beam End Assemblies, two at each end, tight to each side of (920) Post Blocks. Ends of each Trellis Joist A Assembly to overhang Beam Assemblies by 13". Attach trellis assemblies to (920) Post Block with two 5/16 x 5-1/4" Hex Bolts (with 5/16" lock washer, 5/16" flat washer and 5/16" t-nut) per corner. Make sure bolt heads face out. (F7.1 and F7.2)

F7.1



F7.2



## Hardware

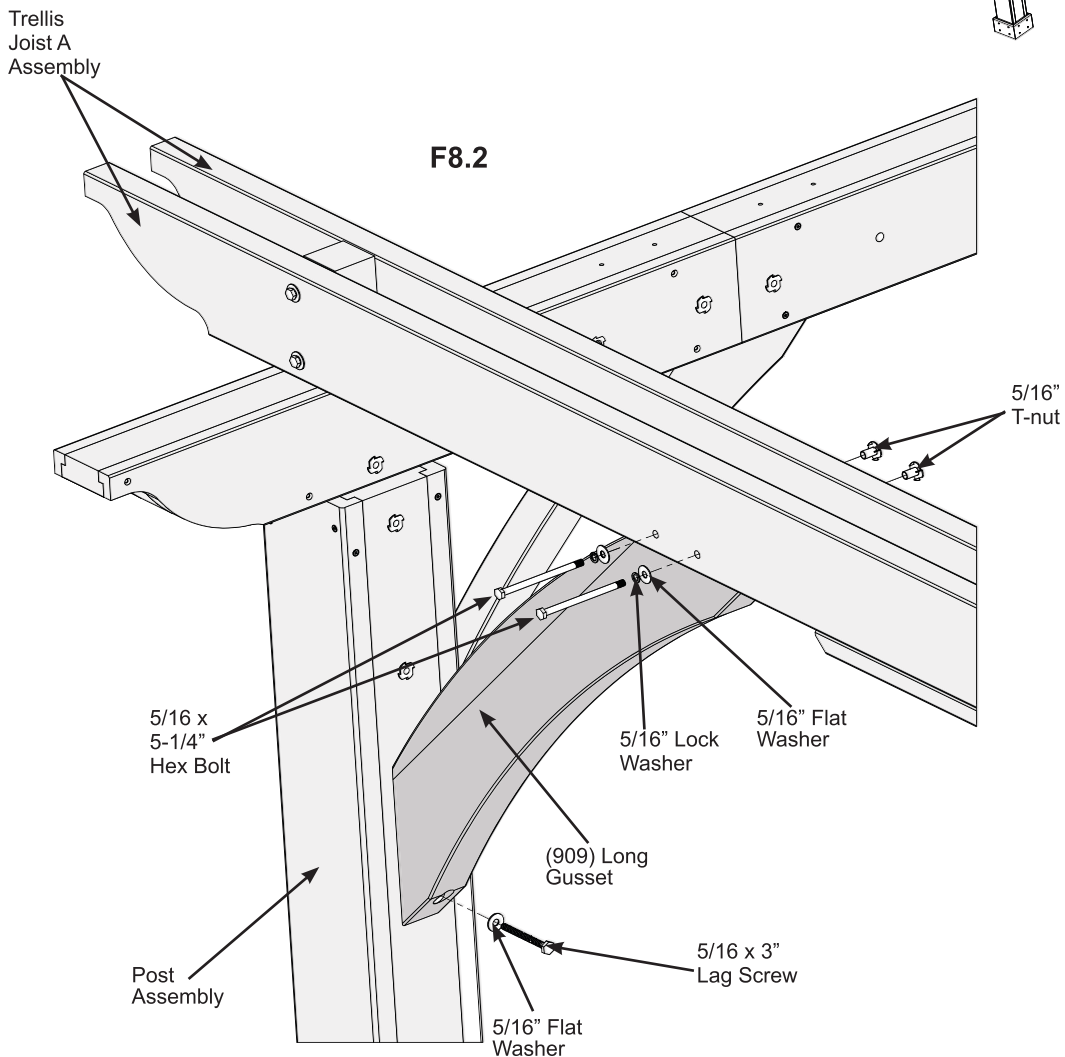
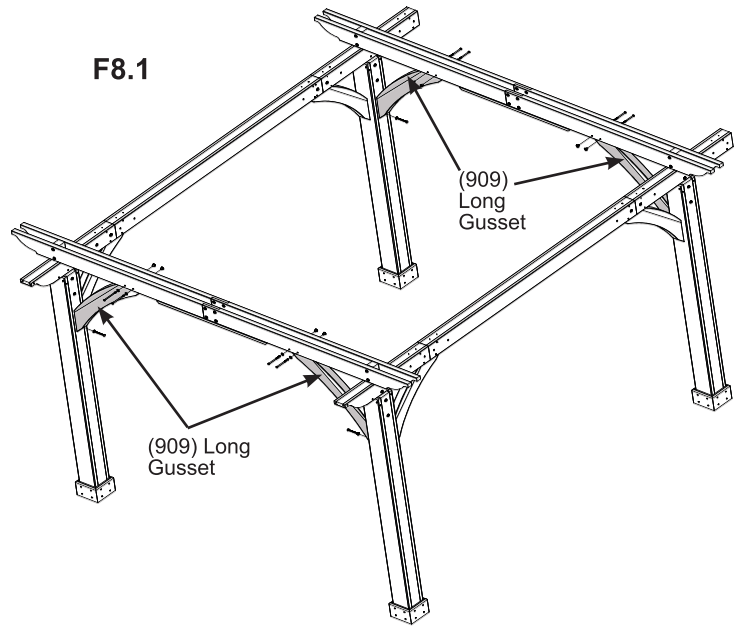
8 x 5/16 x 5-1/4" Hex Bolt  
(5/16" lock washer, 5/16" flat washer, 5/16" t-nut)

# Step 8: Attach Long Gussets, Part 1



**A:** Make sure Post Assemblies are square to Trellis Joist A Assemblies then at the four corners in F8.1 place one (909) Long Gusset tight to Post Assembly and in between two Trellis Joist A Assemblies. Loosely attach (909) Long Gussets to Trellis Joist A Assemblies with two 5/16 x 5-1/4" Hex Bolts (with 5/16" lock washer, 5/16" flat washer and 5/16" t-nut) per gusset. (F8.1 and F8.2)

**B:** Pre-drill with a 1/8" drill bit then attach (909) Long Gusset to Post Assemblies with one 5/16 x 3" Lag Screw (with 5/16" flat washer) per gusset. Tighten all bolts. (F8.2)



### Wood Parts

4 x (909) Long Gusset

### Hardware

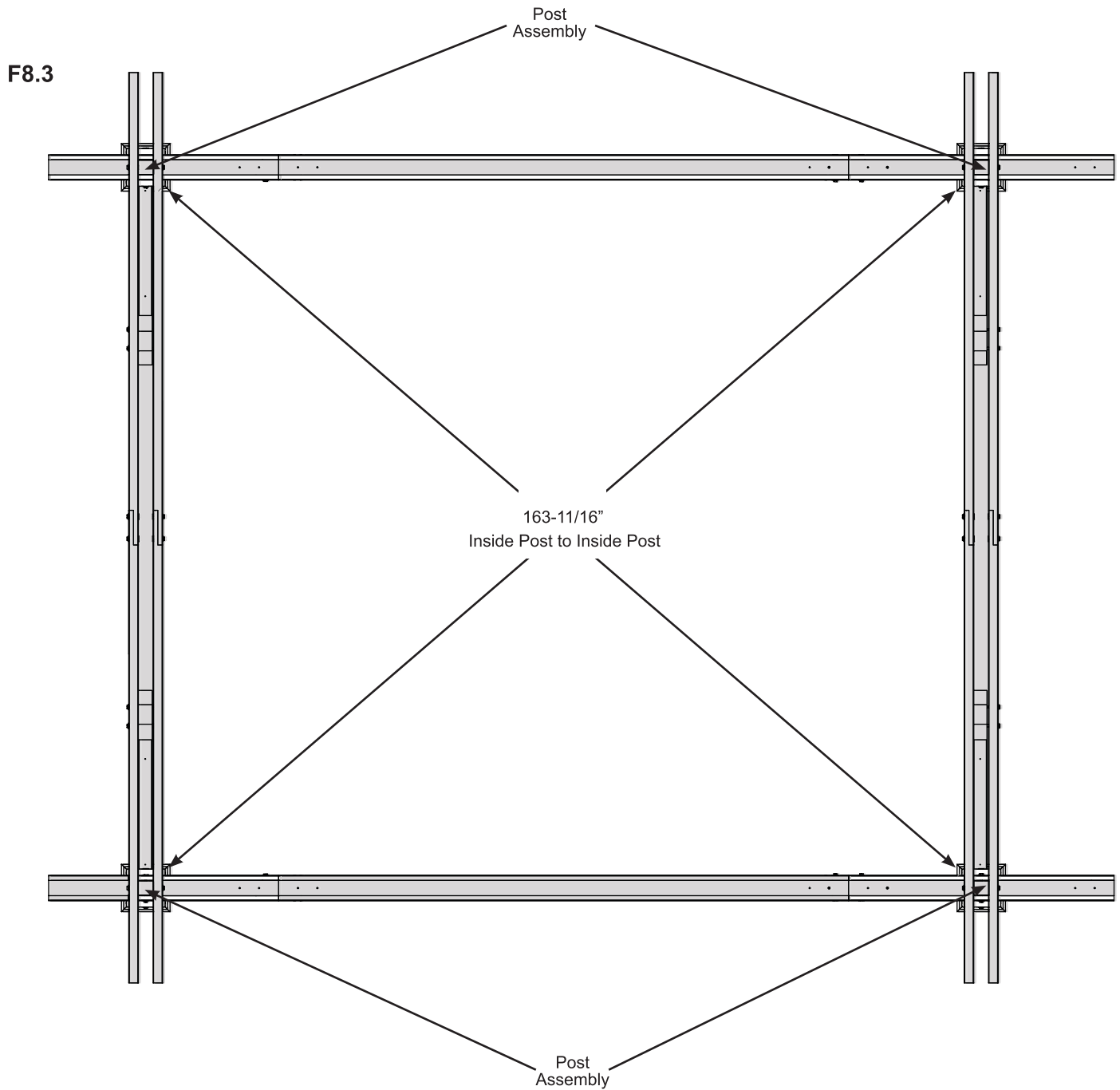
4 x 5/16 x 3" Lag Screw (5/16" flat washer)

8 x 5/16 x 5-1/4" Hex Bolt  
(5/16" lock washer, 5/16" flat washer, 5/16" t-nut)

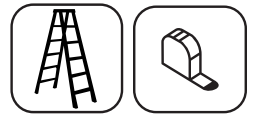
## Step 8: Attach Long Gussets, Part 2



**C:** The diagonal distance between the inside of two Post Assemblies should be  $163\text{-}11/16''$  (measuring from post not plinth). (F8.3)

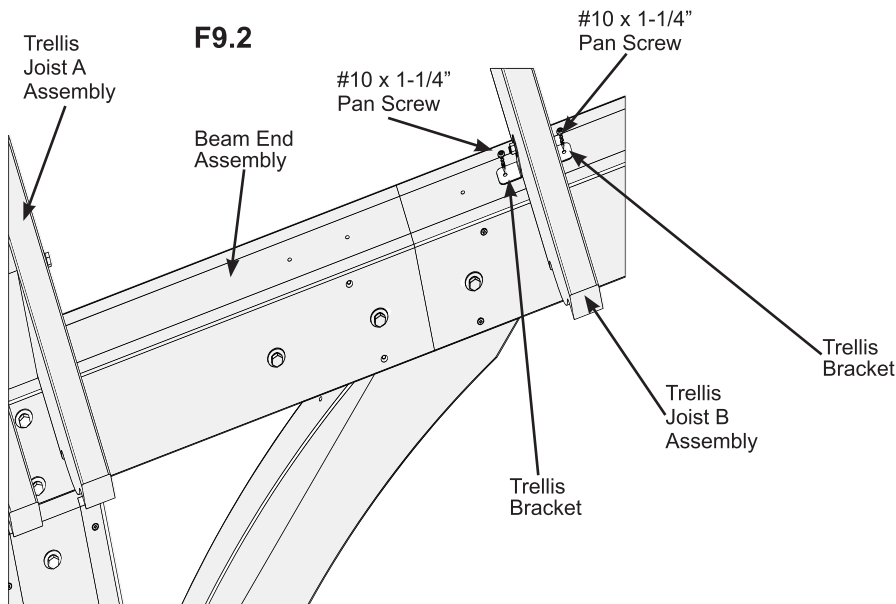
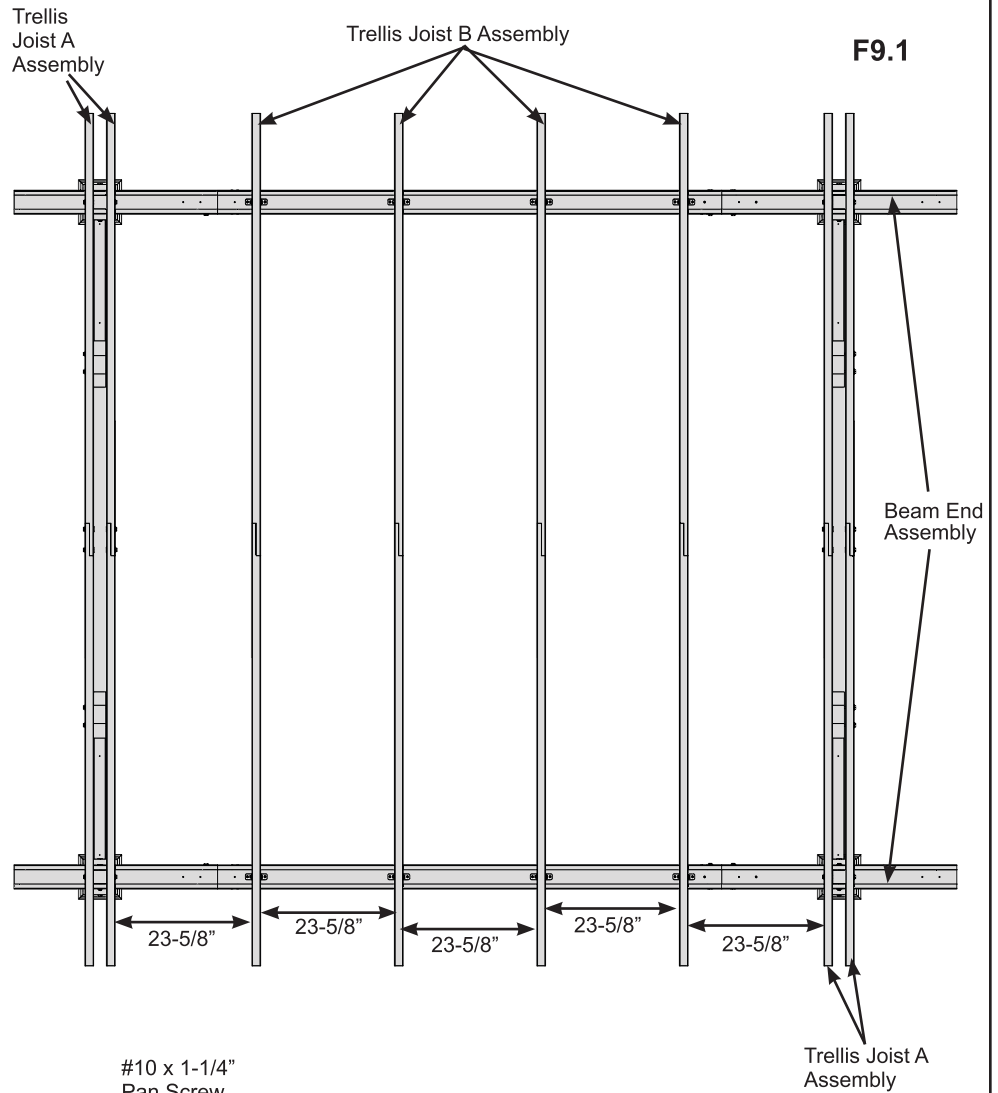


# Step 9: Attach Trellis Joist B Assemblies



**A:** On each Beam End Assembly measure 23-5/8" from inside of one inner Trellis Joist A Assembly then place one Trellis Joist B Assembly at marked location and attach through Trellis Brackets with two #10 x 1-1/4" Pan Screws per end. (F9.1 and F9.2)

**B:** Place remaining three Trellis Joist B Assemblies on each Beam End Assembly. Distance between assemblies should be 23-5/8". Attach Trellis Joist B Assemblies to Beam End Assemblies through Trellis Brackets with four #10 x 1-1/4" Pan Screws per assembly. (F9.1 and F9.2)



## Hardware

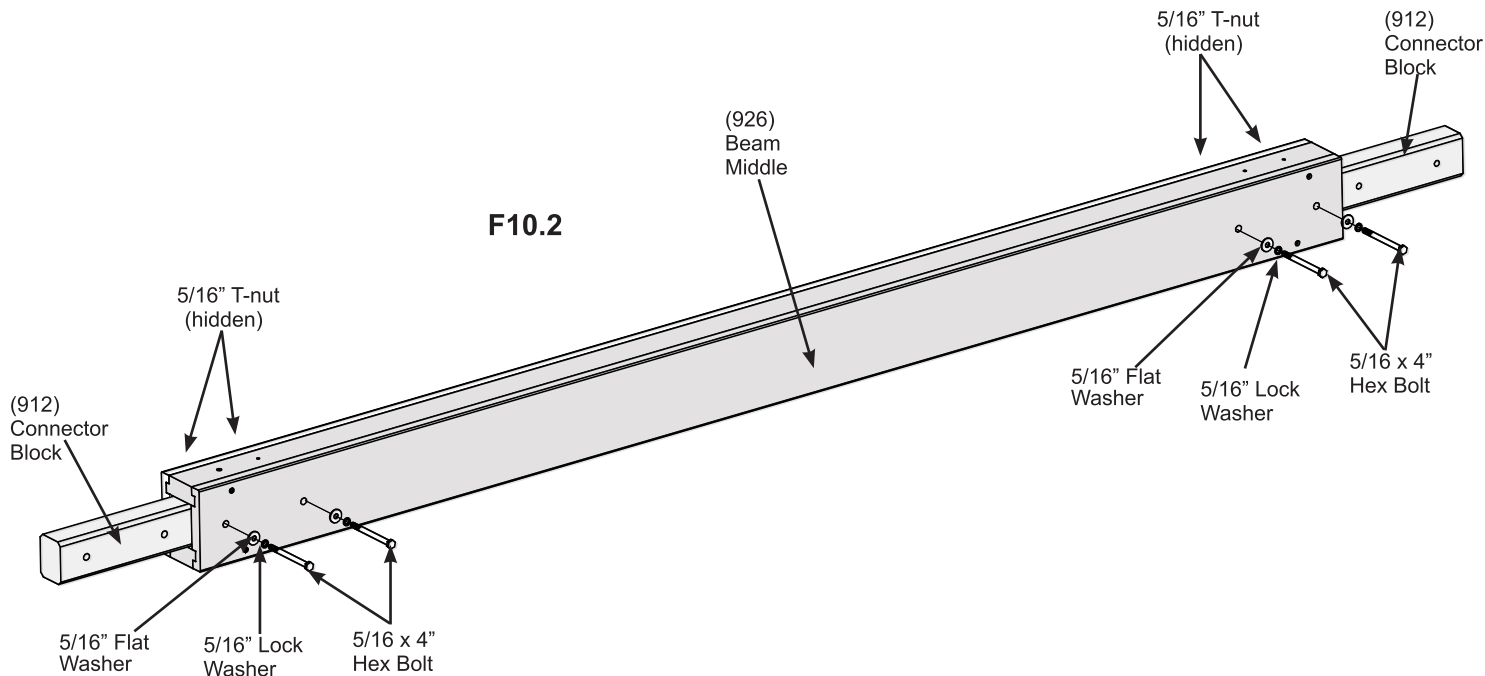
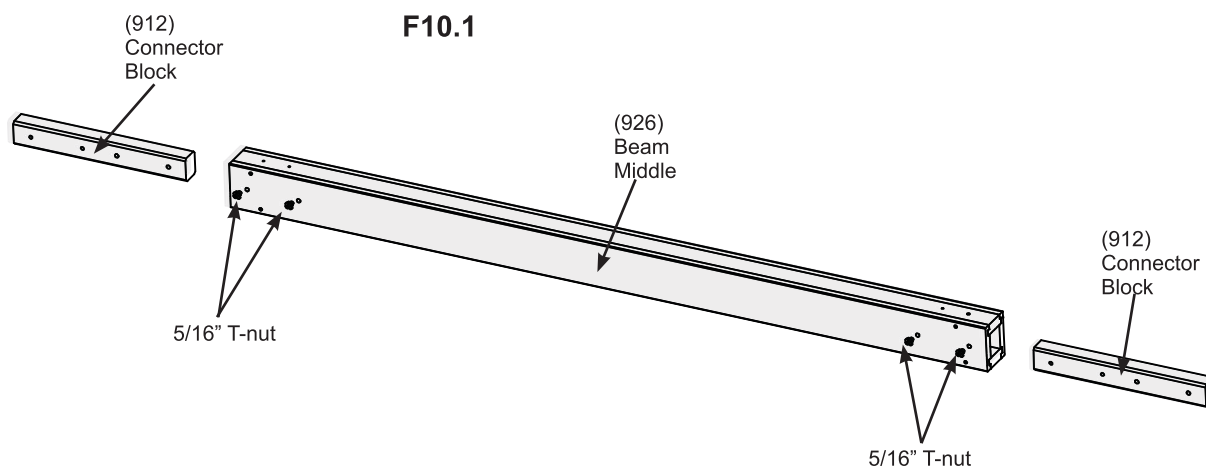
16 x #10 x 1-1/4" Pan Screw



# Step 10: Beam Assembly

**A:** At each end of one (926) Beam Middle insert and loosely attach one (912) Connector Block with two 5/16 x 4" Hex Bolts (with 5/16" lock washer, 5/16" flat washer and 5/16" t-nut) per end. Notice pilot holes in (926) Beam Middle are facing up. (F10.1 and F10.2)

**B:** Repeat Step A for a second Beam Assembly.



## Wood Parts

- 2 x (926) Beam Middle
- 4 x (912) Connector Block

## Hardware

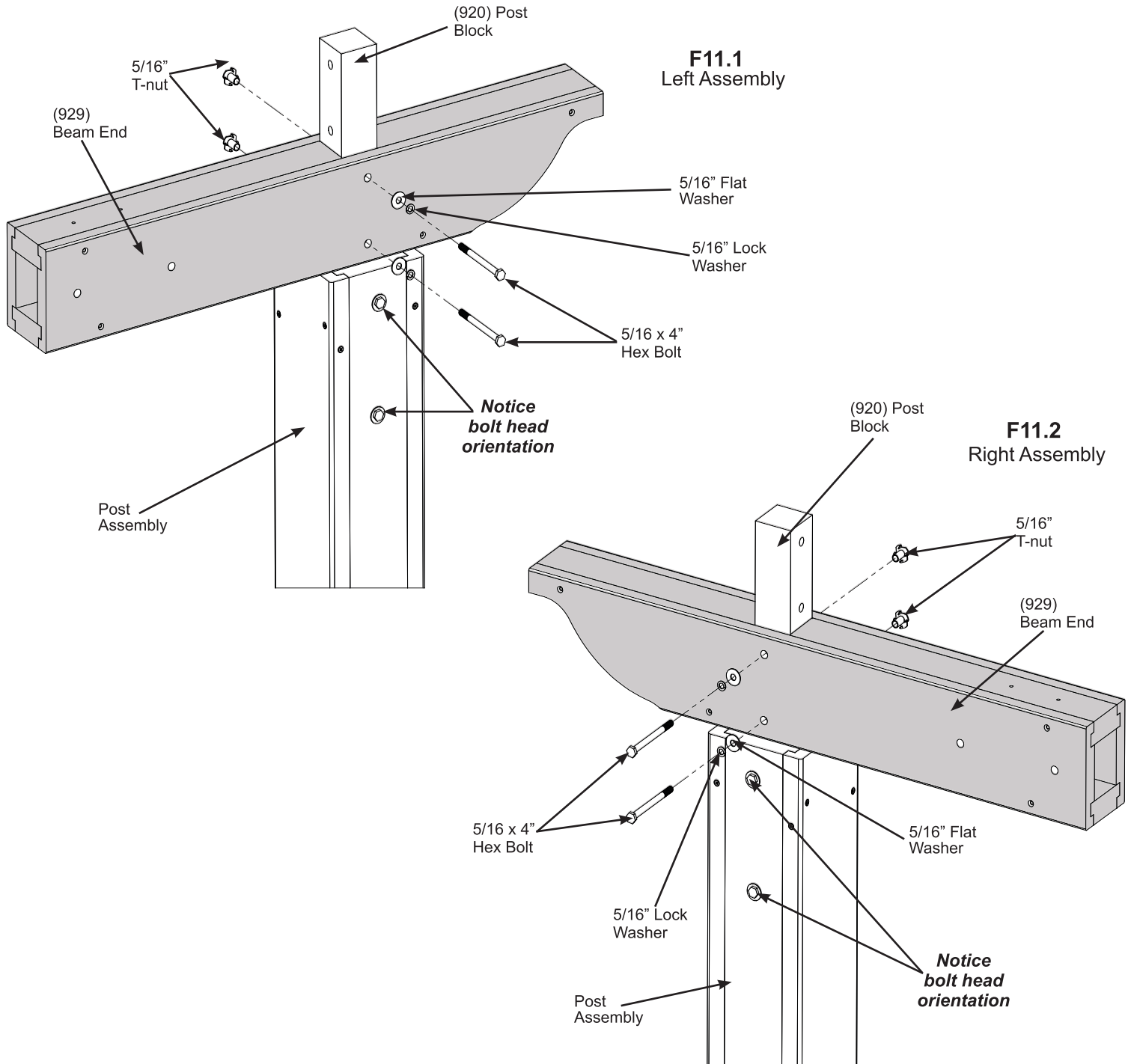
- 8 x 5/16 x 4" Hex Bolt  
(5/16" lock washer, 5/16" flat washer, 5/16" t-nut)

# Step 11: Frame Assembly, Part 1



**A:** On one remaining Post Assembly place one (929) Beam End over each (920) Post Block then attach with two 5/16 x 4" Hex Bolts (with 5/16" lock washer, 5/16" flat washer and 5/16" t-nut). Make sure (929) Beam End overhangs the Post Assembly by 12" as shown in Step 6, F6.2. This will be the Left Post Assembly. (F11.1)

**B:** Repeat Step A for the remaining Post Assembly with the bolts installed on the opposite side. This will be the Right Post Assembly (F11.2)



## Wood Parts

2 x (929) Beam End

## Hardware

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