

		HISTORIC PRESERVATION COMMISSION AGENDA ITEM EXECUTIVE SUMMARY			
		Agenda Item Title/Address:		COA: 214 W Main St.	
		Proposal:		Gazebo	
		Petitioner:		Justin Allen	
		Please check appropriate box (x)			
		PUBLIC HEARING		MEETING 4/17/19	X
AGENDA ITEM CATEGORY:					
<input checked="" type="checkbox"/>	Certificate of Appropriateness (COA)			Façade Improvement Plan	
	Preliminary Review			Landmark/District Designation	
	Discussion Item			Commission Business	
ATTACHMENTS:					
COA Application					
Architectural Survey					
Site Plan					
Gazebo Information					
EXECUTIVE SUMMARY:					
<p>Proposed is to construct a patio with a permanent Gazebo in the alleyway behind R House. The gazebo will be a 14' x 12' wood structure, with an aluminum roof and be cemented into the ground.</p>					
RECOMMENDATION / SUGGESTED ACTION:					
Provide feedback and recommendations on approval of the COA.					

APPLICATION FOR COA REVIEW
HISTORIC PRESERVATION "CERTIFICATE OF APPROPRIATENESS"



COMMUNITY & ECONOMIC DEVELOPMENT DEPARTMENT / CITY OF ST. CHARLES

(630) 377-4443

To be filled out by City Staff

Permit #: 19 - 29872 Date Submitted: 4/11/19 COA # - Admin. Approval:

APPLICATION INFORMATION

Address of Property: 214 W. MAZU ST.

Use of Property: ☒ Commercial, business name: R HOUSE

☐ Residential ☐ Other:

Project Type:

- ☒ Exterior Alteration/Repair
- ☐ Windows
 - ☐ Doors
 - ☐ Siding - Type:
 - ☐ Masonry Repair
 - ☐ Other
 - ☐ Awnings/Signs

- ☐ New Construction
- ☐ Primary Structure
 - ☐ Additions
 - ☐ Deck/Porch
 - ☐ Garage/Outbuilding
 - ☐ Other

- ☐ Demolition
- ☐ Primary Structure
 - ☐ Garage/Outbuilding
 - ☐ Other
 - ☐ Relocation of Building

Description:

UPDATING THE REAR PATIO WITH NEW TABLE/CHAIRS
ROOFED GAZEBO/PAVILION AND FIRE PIT TABLES

Applicant Information:

Name (print): JUSTIN ALLEN

Address: 05054 CAROL SQ GENEVA, IL

Phone: 630-335-0178

Email: JUSTIN@SAATCHICHARLES.MOTORCARS.COM

Applicant is (check all that apply):

- ☐ Property Owner
- ☐ Business Tenant
- ☐ Project contractor
- ☐ Architect/Designer

Property Owner Information (if not the Applicant)

Name (print): Angela DeToni

Address: 39W115 Buckskin Trail, 60175

Signature: Angela DeToni

APPLICANT/AUTHORIZED AGENT SIGNATURE

I agree that all work shall be in accordance with the plans, specifications and conditions which accompany this application, and I have read and understand the Historic Preservation COA General Conditions.

Signature: Justin Allen

Date: 4/11/19



ARCHITECTURAL SURVEY

CENTRAL HISTORIC DISTRICT

ST. CHARLES, ILLINOIS

ST. CHARLES HISTORIC PRESERVATION COMMISSION

Primary Structure

ADDRESS 214/216 W Main St

1994 Photo

Roll: 1

Negative: 12

Photo: Aug. 2003



ARCHITECTURAL SIGNIFICANCE

- ☐ Significant
- ☐ Contributing
- ☒ Non-Contributing
- ☐ Potential for Individual National Register Designation

BUILDING CONDITION

- ☐ Excellent
- ☒ Good
- ☐ Fair
- ☐ Poor

ARCHITECTURAL INFORMATION

Architectural Style/Type: Vernacular Commercial

Exterior Walls (Current): Brick

Architectural Features: _____

Exterior Walls (Original): Brick

Date of Construction: 1910

Foundation: _____

Source: Assessor

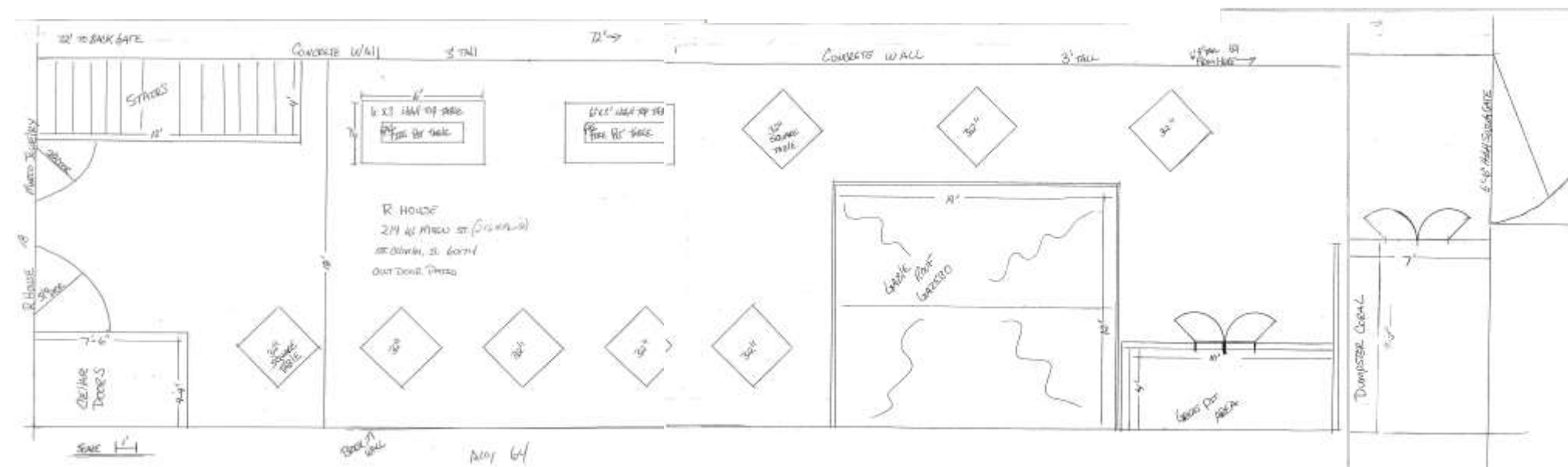
Roof Type/Material: _____

Overall Plan Configuration: _____

Window Material/Type: _____

ARCHITECTURAL FEATURES:

ALTERATIONS: Cement plaster finish added in 1980s. Façade renovated in late 1990s.

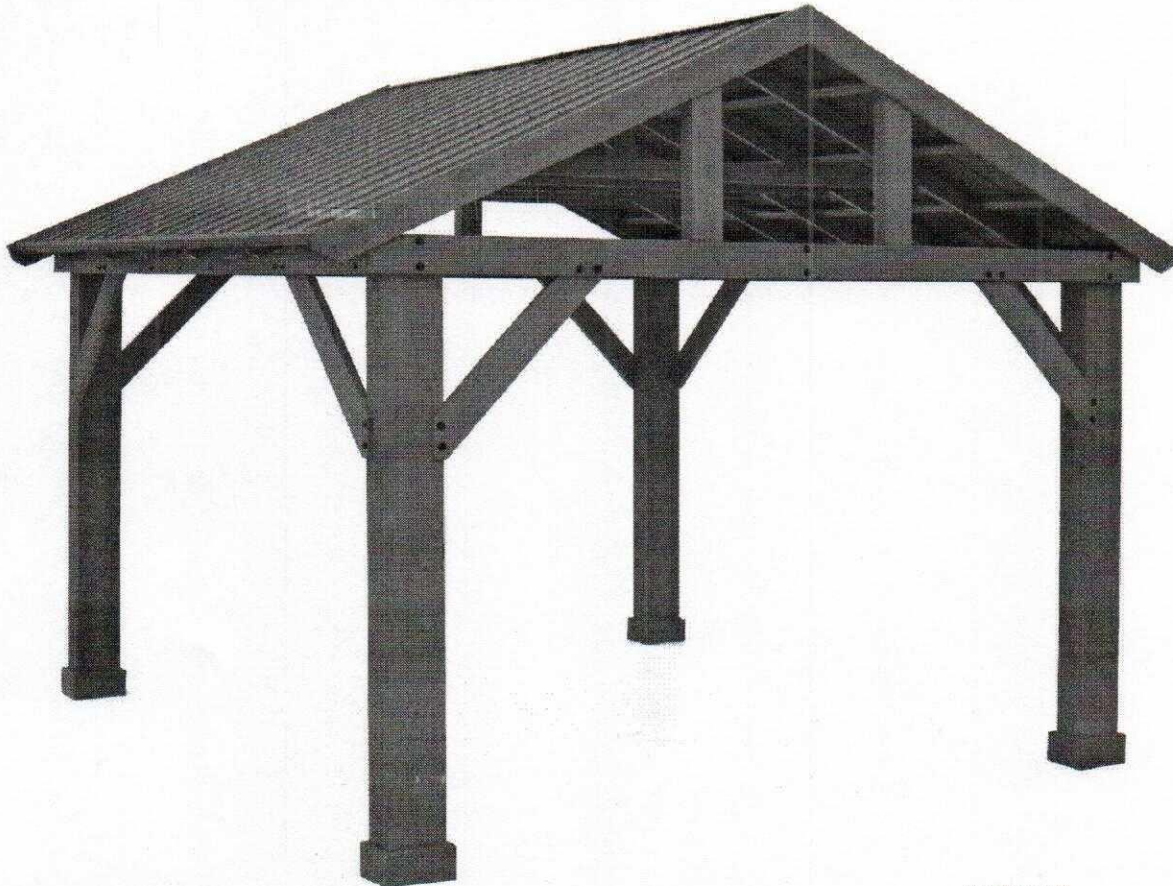






14' X 12' PAVILION WITH ALUMINUM ROOF

Installation and Operating Instructions – YM12949



HEIGHT:
10'10" or 3.3 m

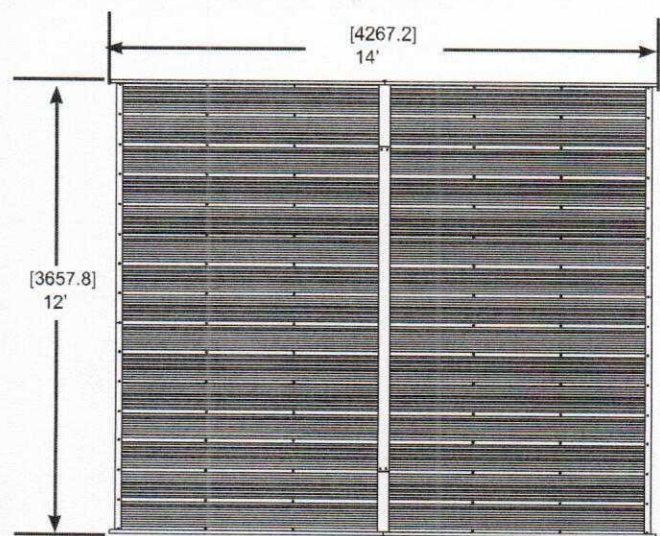
Revised 10-20-2017


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Height: 10' 10" (3.3 m)

Permanent Installation Examples

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

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.

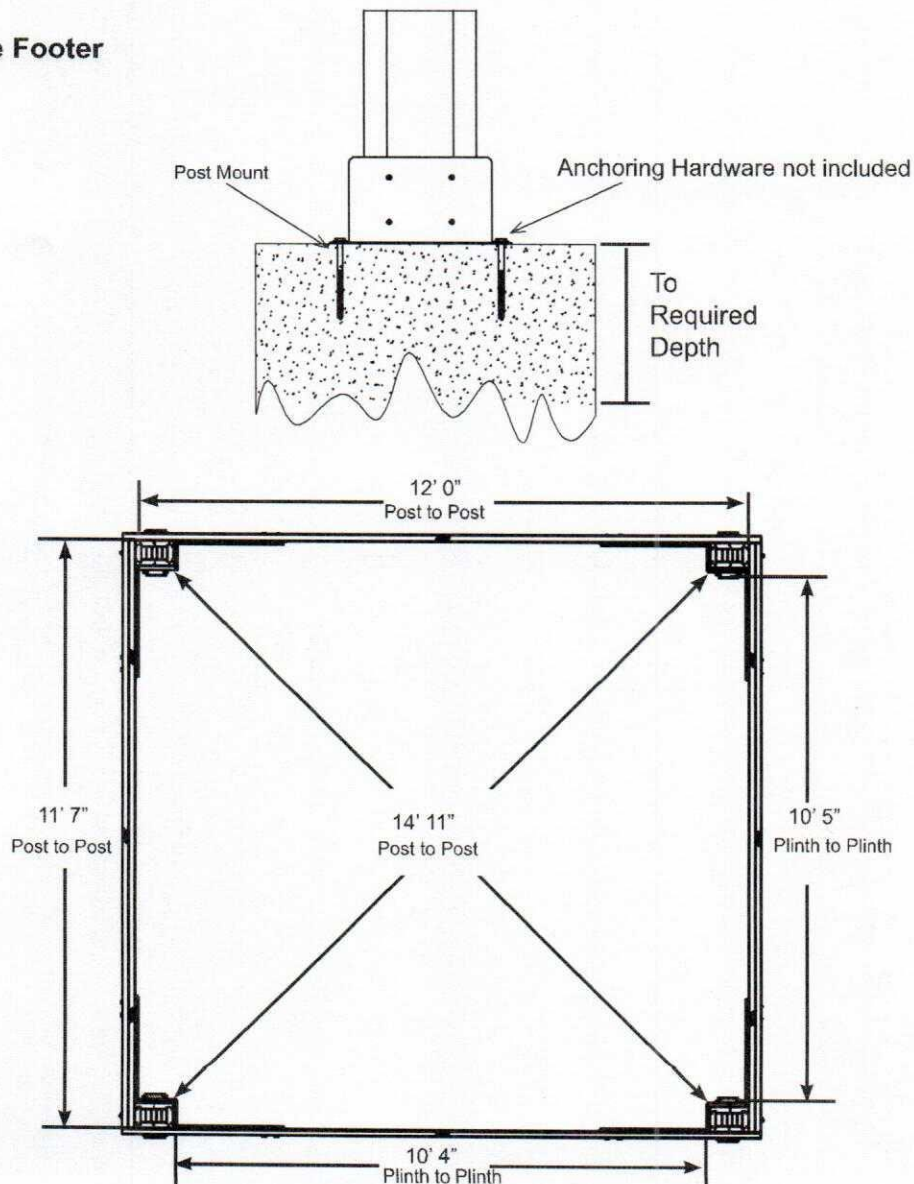
- The hardware to attach the Post Mount to the structure is included.
- The hardware to mount the structure permanently will need to be purchased separately at your local hardware store.

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.

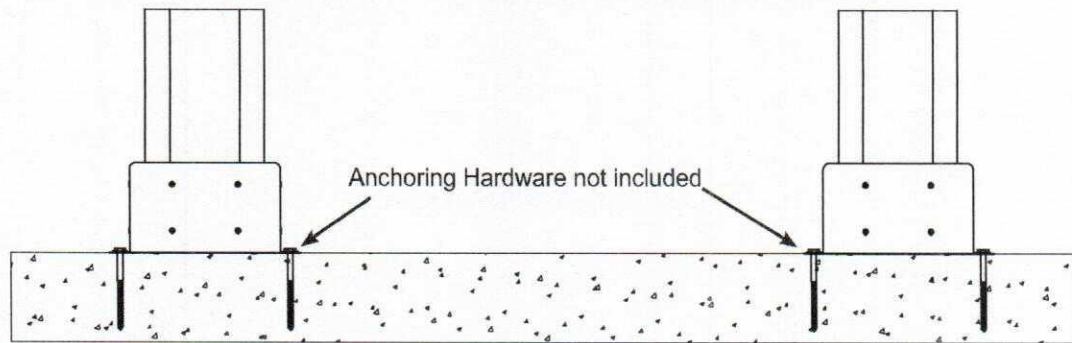
Refer to your local building and city codes, ordinances, neighbourhood covenants, or height restrictions regarding this type of structure for guidance on acceptable installation requirements.

Concrete Footer

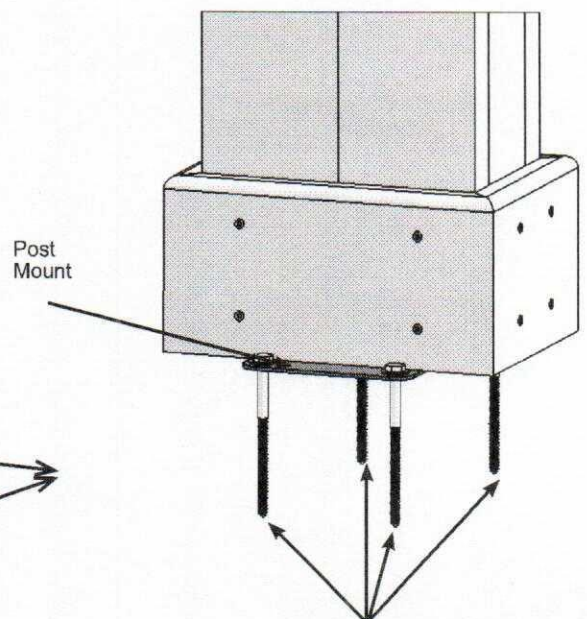
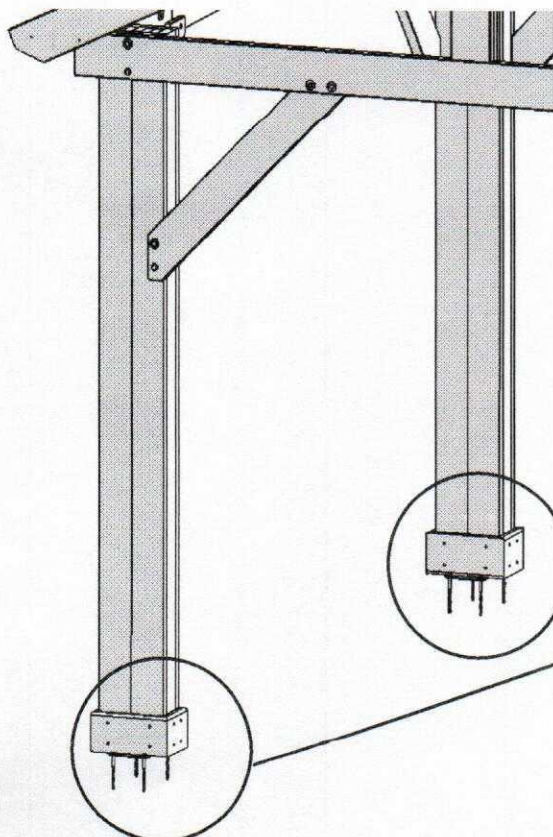
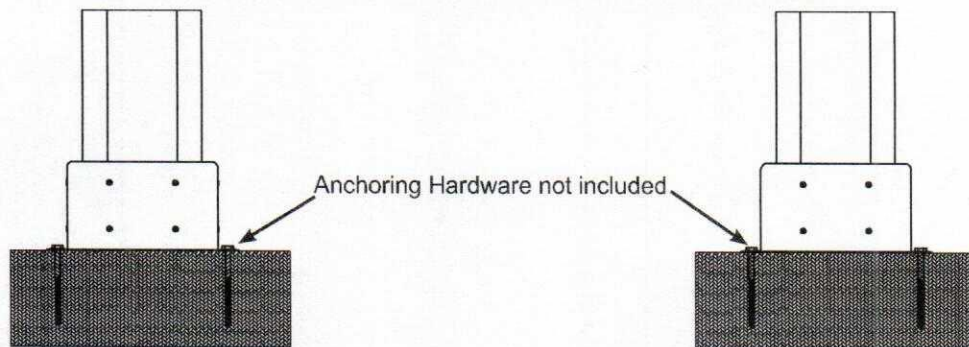


Permanent Installation Examples cont.

Concrete Patio (min. 12' 7" x 13') with 6" clearance on all sides



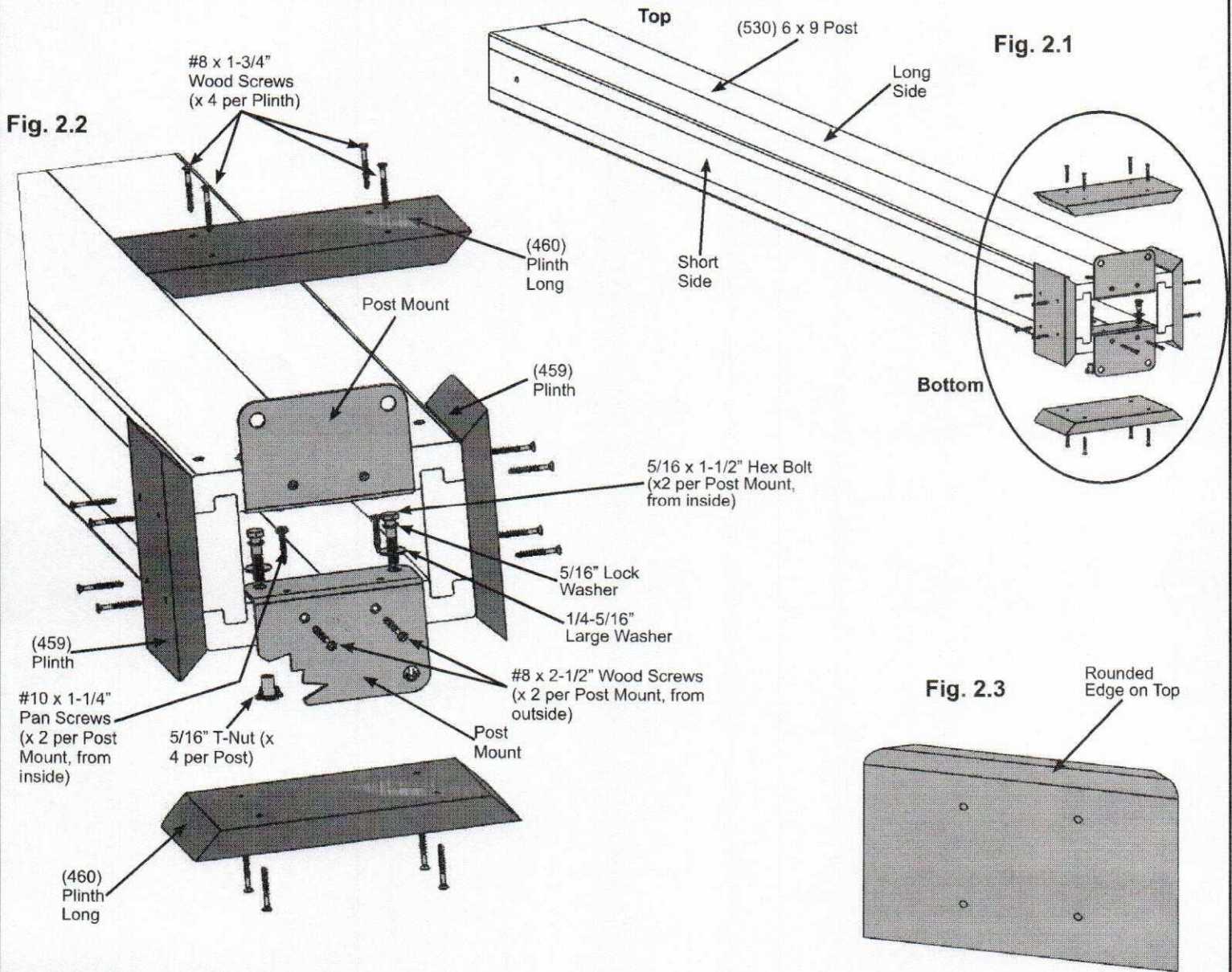
Wood Deck (min. 12' 7" x 13') with 6" clearance on all sides



Post Mounts have a 1/2" diameter hole for anchoring hardware.

Step 2: Post Assemblies

- A:** At the bottom of one (530) 6 x 9 Post insert two 5/16" T-Nuts on the outside of each long side. (fig. 2.2)
- B:** At the bottom of the same (530) 6 x 9 Post place two Post Mounts tight to the bottom and inside faces on the long sides as shown in fig. 2.1 and 2.2. Loosely attach with two 5/16 x 1-1/2" Hex Bolt (with 5/16" lock washer and 1/4-5/16" large washer) per mount so they connect to the T-Nuts. From the bottom attach with two #8 x 2-1/2" Wood Screws and two #10 x 1-1/4" Pan Screws per mount. Tighten bolts.
- C:** Flush to the bottom of (530) 6 x 9 Post place one (460) Plinth Long on each long side and one (459) Plinth on each short side and attach with four #8 x 1-3/4" Wood Screws per plinth. Rounded edges on top. (fig. 2.1, 2.2 and 2.3)
- D:** Repeat Steps A - C three more times to make four Post Assemblies.



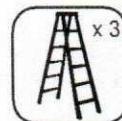
Wood Parts

- 4 x (530) 6 x 9 Post 152.4 x 228.6 x 2336.8 mm (6 x 9 x 92")
 8 x (459) Plinth 23.8 x 133.4 x 200 mm (5/4 x 6 x 7-7/8")
 8 x (460) Plinth Long 23.8 x 133.4 x 276.2 mm (5/4 x 6 x 10-7/8")

Hardware

- 16 x #8 x 2-1/2" Wood Screw
 64 x #8 x 1-3/4" Wood Screw
 16 x #10 x 1-1/4" Pan Screw
 8 x Post Mount
 16 x 5/16" T-Nut
 16 x 5/16 x 1-1/2" Hex Bolt (with 5/16" lock washer, 1/4-5/16" large washer)

Step 5: Frame Assembly and Anchoring Part 1



A: Move your Post Assemblies to the final location. Make sure the ground is flat and level before continuing assembly.

B: With one person at each Post stand two complete Post Assemblies. A third person places one Side Beam Assembly against the outside of two Posts, flush to the tops and outside corners. Notice bolt hole orientation on the Side Beam Assembly and the short side of the Post Assembly is along the Side Beam Assembly. A fourth person attaches Beam to Post with one 3/8 x 12-1/2" Hex Bolt (with two 3/8" large washers and one 3/8" lock nut) per Post. The distance from the outside of one Post to the outside of the second Post should be 11' 7". (fig. 5.1, 5.2 and 5.3)

C: Place one Gable Beam Assembly against the outside of two Posts, flush to the tops and outside corners and tight to Side Beam Assembly. Notice bolt hole orientation on the Gable Beam Assembly and the long side of the Post Assembly is along the Gable Beam Assembly. Attach Beam to Post with one 3/8 x 8" Hex Bolt (with two 3/8" large washers and one 3/8" lock nut) per Post. The distance from the outside of one Post to the outside of the second Post should be 12'. Continue until all four Beam Assemblies are attached and the corners are tight together. (fig. 5.1 and 5.2) See fig. 5.3 for accurate positioning of Posts.

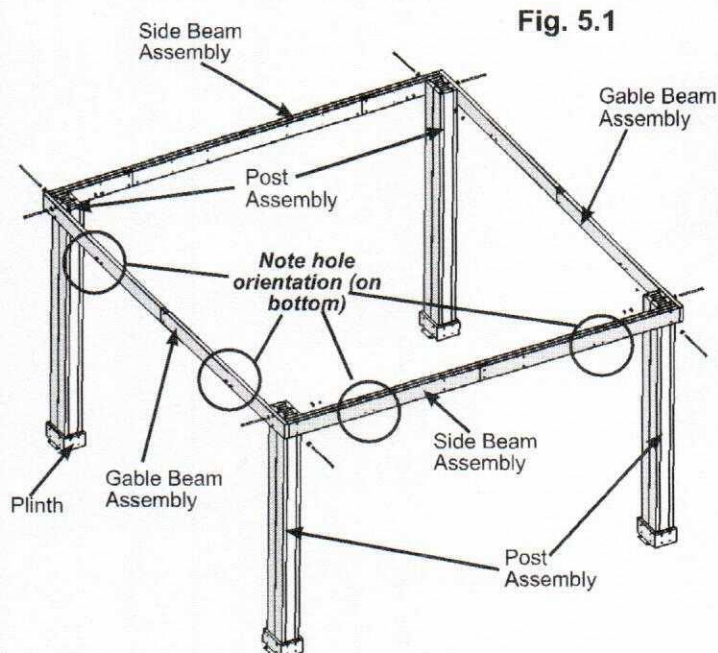


Fig. 5.1

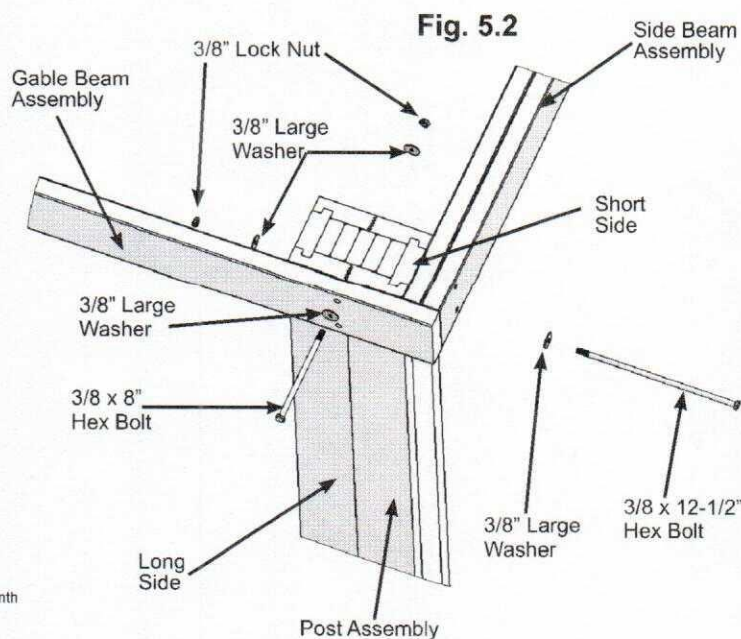


Fig. 5.2

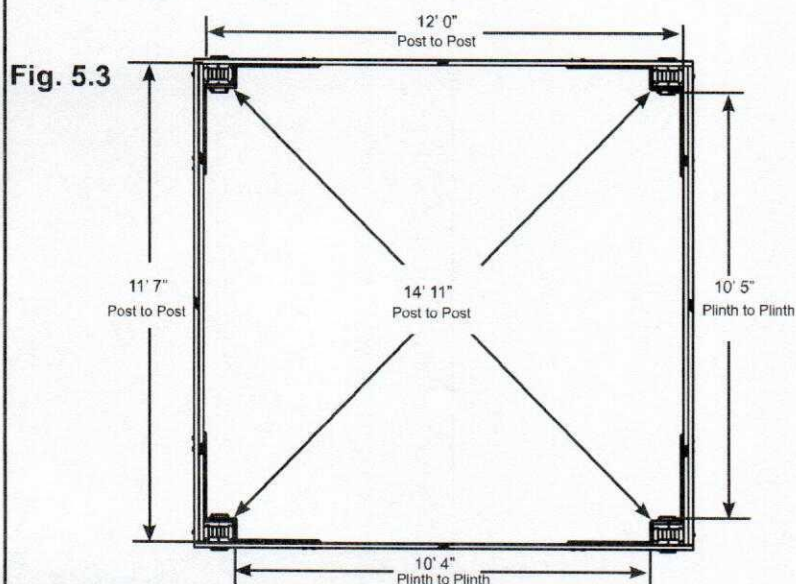


Fig. 5.3

Hardware

4 x 3/8 x 8" Hex Bolt (3/8" large washer x 2, 3/8" lock nut)

4 x 3/8 x 12-1/2" Hex Bolt (3/8" large washer x 2, 3/8" lock nut)

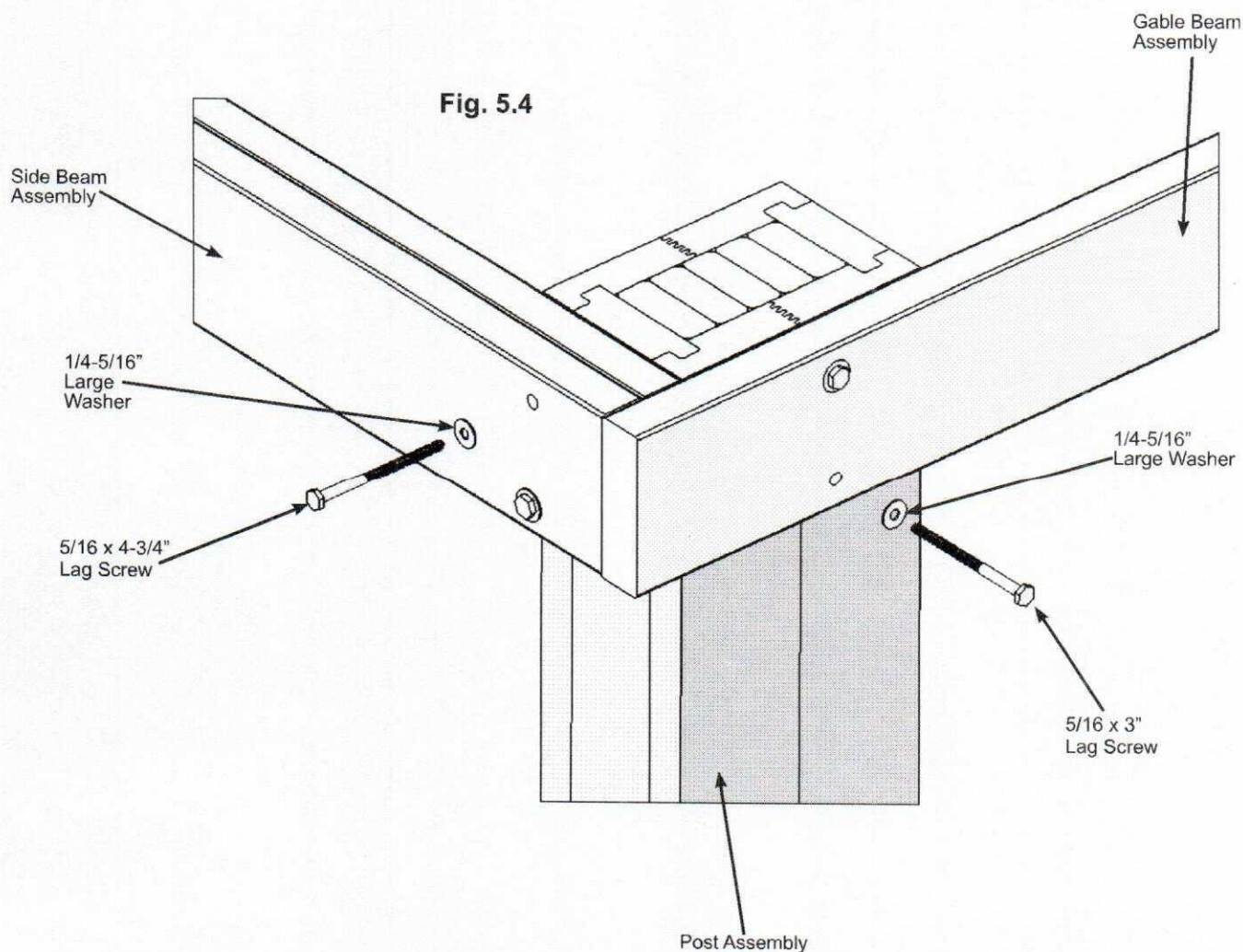
Step 5: Frame Assembly and Anchoring Part 2



E: Make sure each corner is square and level then attach Side Beam Assembly to Post Assemblies with one 5/16 x 4-3/4" Lag Screw (with 1/4-5/16" large washer) per corner and Gable Beam Assembly to Post Assemblies with one 5/16 x 3" Lag Screw (with 1/4-5/16" large washer) per corner as shown below. (fig. 5.4)

F: Depending on what you are placing the Pavilion on will determine how you anchor it to that surface. Please refer to pages 6 and 7 for installation examples.

Any hardware or extra materials for mounting will have to be purchased in advance.

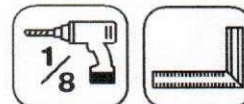


Hardware

4 x 5/16 x 4-3/4" Lag Screw (1/4-5/16" large washer)

4 x 5/16 x 3" Lag Screw (1/4-5/16" large washer)

Step 6: Attach Gussets



Note: The bevelled ends on each gusset should always face away from the wood it is attaching to.

A: Make sure the assembly is still square and level then facing one Side Beam Assembly place one (577) Right Gusset on the right hand side so the top fits tight to the Side Beam Assembly and the bottom fits tight to the Post Assembly. Attach gusset to Side Beam Assembly with two 5/16 x 3-3/4" Hex Bolts (with 5/16" lock washer, 1/4-5/16" large washer and 5/16" t-nut). Pre-drill with a 1/8" drill bit then attach gusset to Post Assembly with two 5/16 x 3" Lag Screws (with 1/4-5/16" large washer). Repeat for the left hand side with one (551) Left Gusset. (fig. 6.1 and 6.2)

B: Repeat Step A for Gable Beam Assembly using two 5/16 x 2-1/4" Hex Bolts (with 5/16" lock washer, 1/4-5/16" large washer and 5/16" t-nut) to attach gussets to Gable Beam Assembly. (fig. 6.1 and 6.2)

C: Repeat Steps A and B so all 8 gussets are attached. (fig. 6.1 and 6.2)

Fig. 6.1

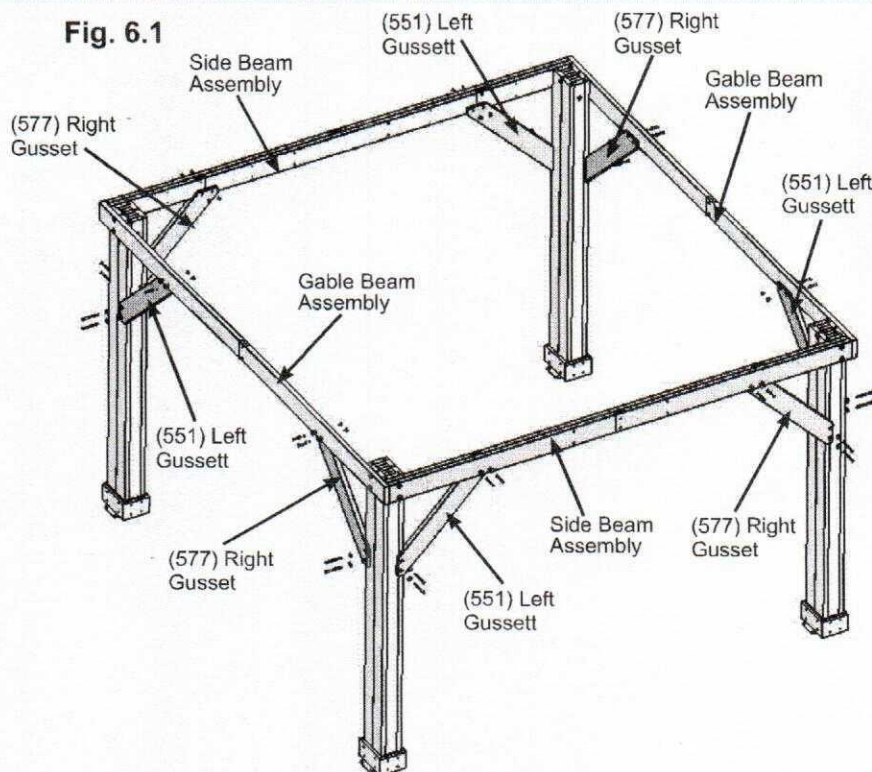
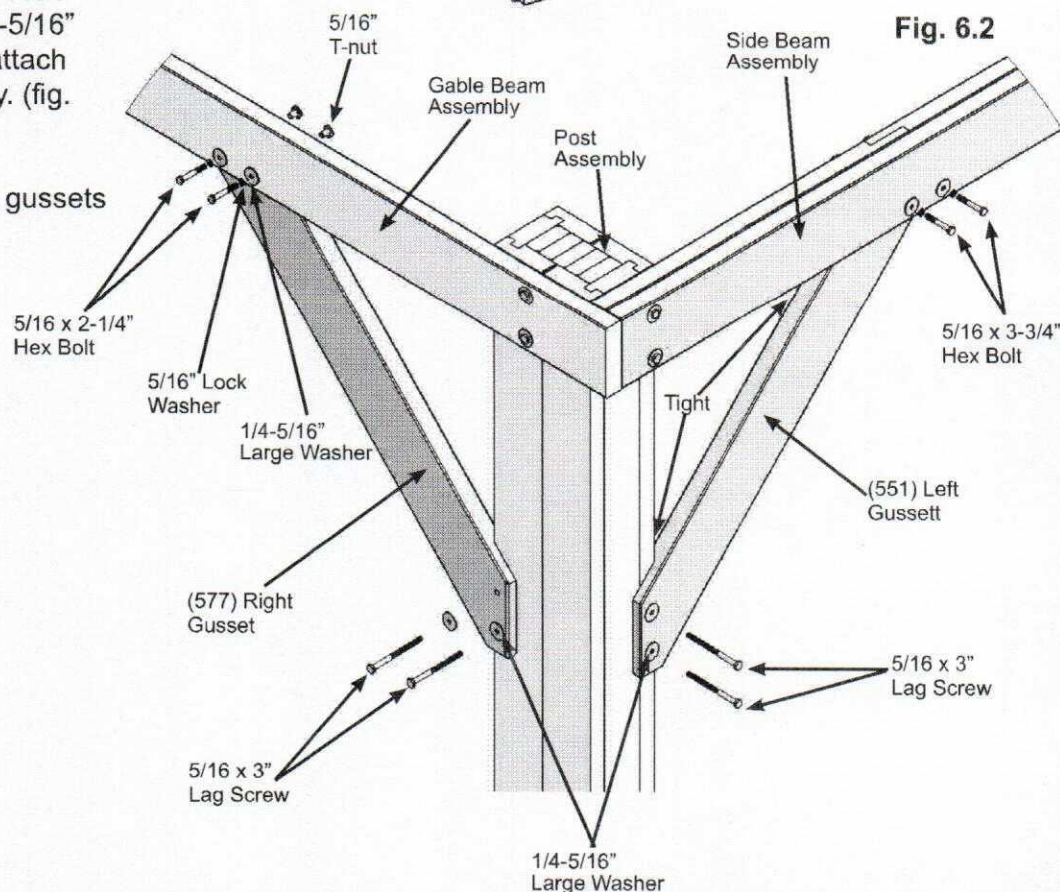


Fig. 6.2



Wood Parts

4 x (577) Right Gusset 38.1 x 139.7 x 1003.3 mm (1-1/2 x 5-1/2 x 39-1/2")
4 x (551) Left Gusset 38.1 x 139.7 x 1003.3 mm (1-1/2 x 5-1/2 x 39-1/2")

Hardware

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

Step 7: Gable Frame Assembly Part 1



A: Place one (549) Gable Inside against one Gable Beam Assembly, on the inside, tight to the top of (551) Left Gusset and (577) Right Gusset. The ends of (549) Gable Inside measures 17" from the Post Assemblies. Attach (549) Gable Inside to Gable Beam Assembly with eight #8 x 2-1/2" Wood Screws. (fig. 7.1, 7.2 and 7.3)

B: Repeat Step A for the other Gable Beam Assembly.

Fig. 7.1

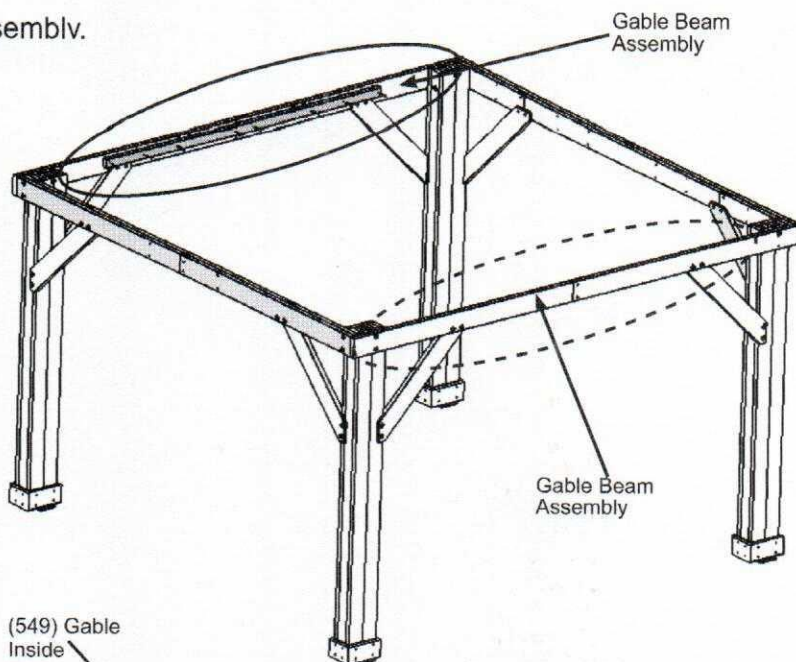


Fig. 7.2

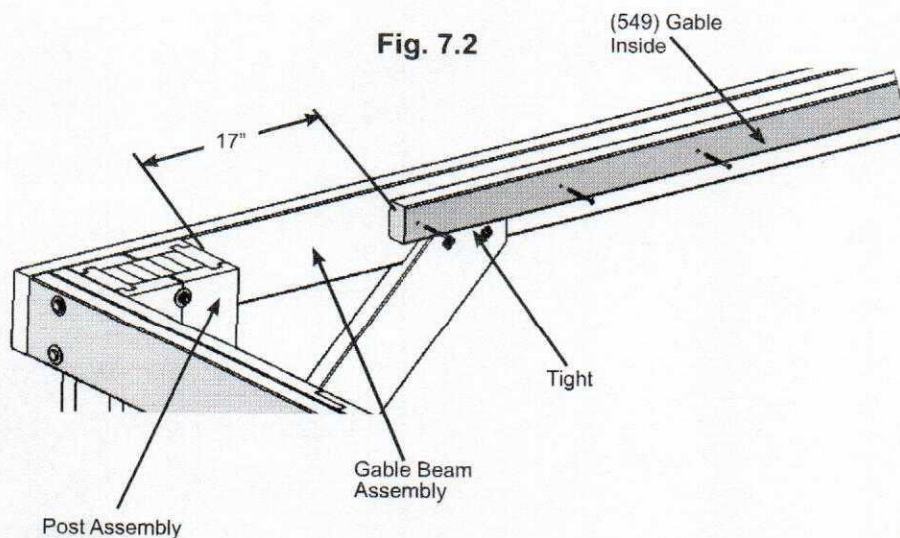
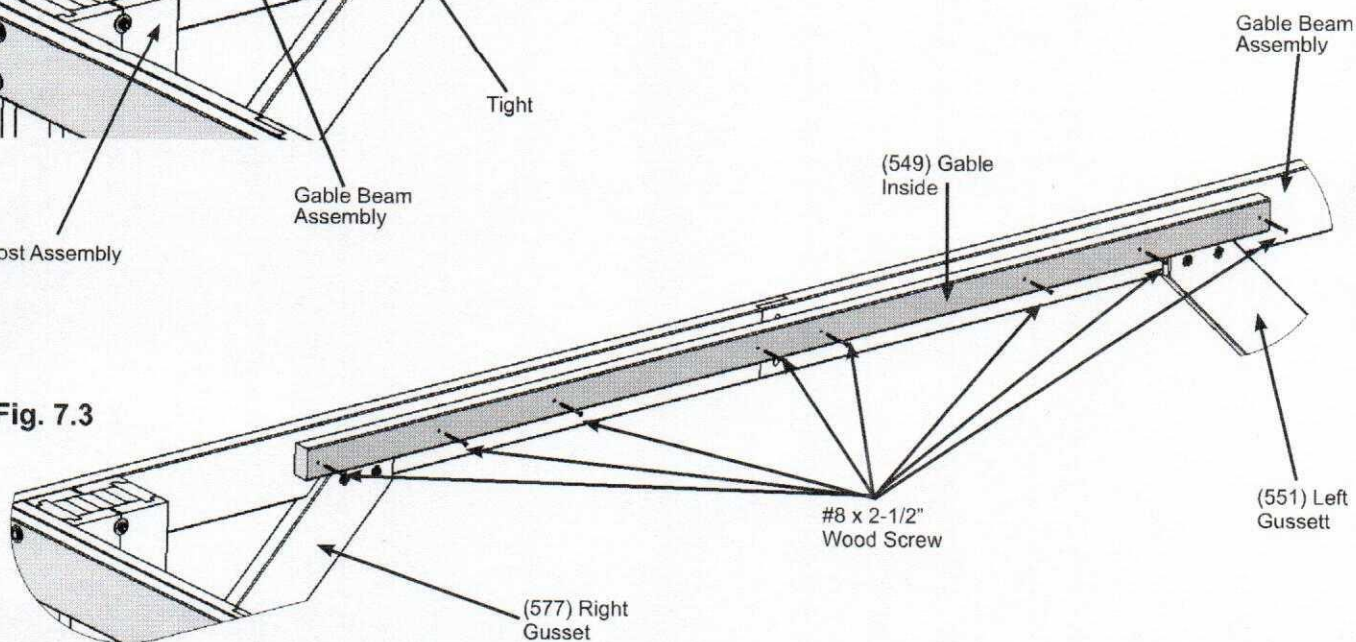


Fig. 7.3



Wood Parts

2 x (549) Gable Inside 38.1 x 63.5 x 2336.8 mm (1-1/2 x 2-1/2 x 92")

Hardware

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

Step 7: Gable Frame Assembly Part 2

C: Tight to each end of one (549) Gable Inside attach one (548) Gable End to Gable Beam Assembly with three #8 x 2-1/2" Wood Screws. (548) Gable End should be flush to the top of (549) Gable Inside. (fig. 7.4 and 7.5)

D: Repeat Step C for the other Gable Beam Assembly.

Fig. 7.4

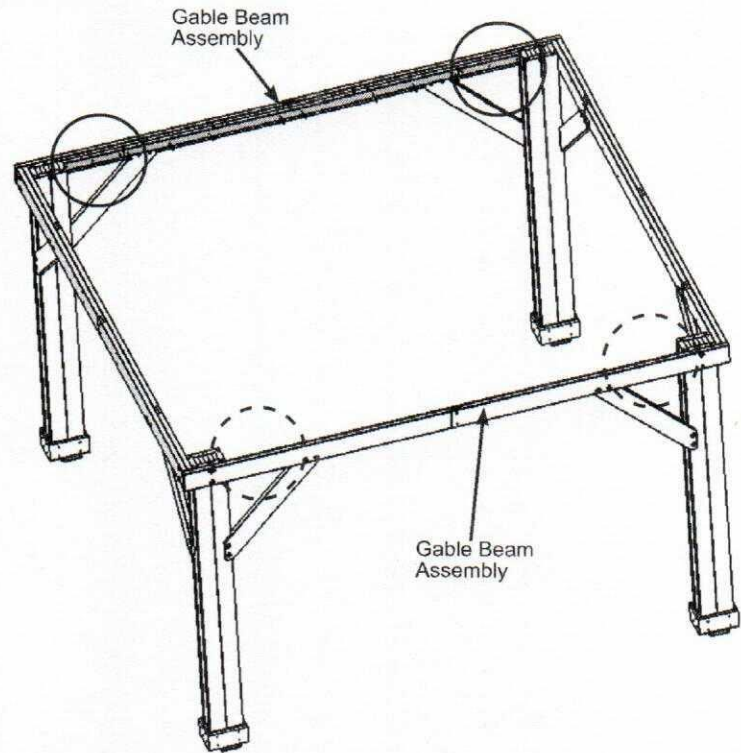
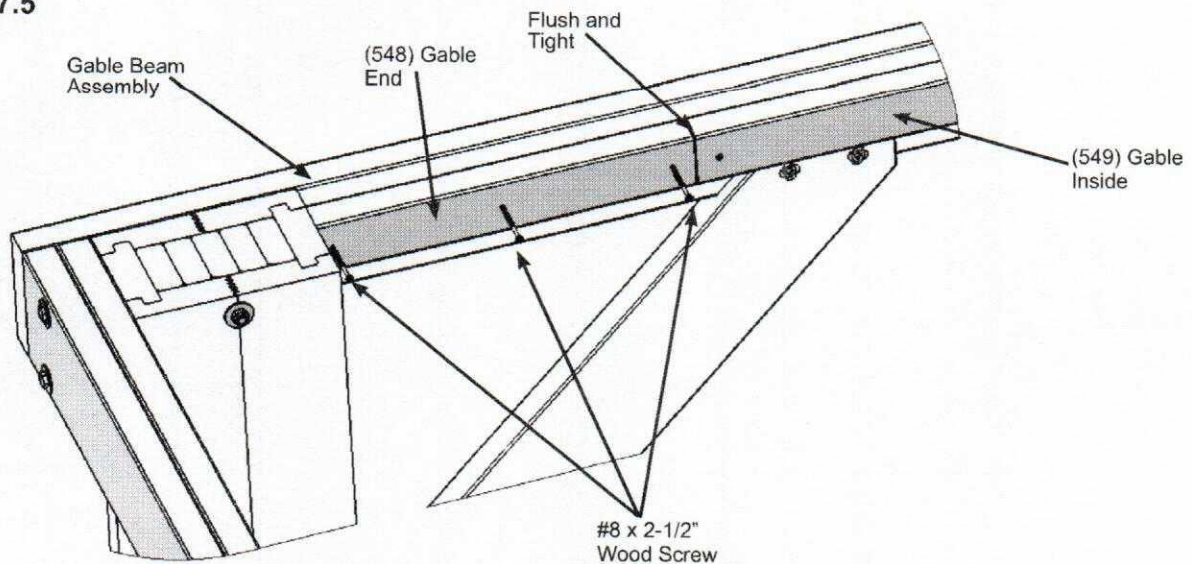


Fig. 7.5



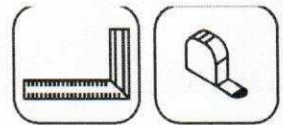
Wood Parts

4 x (548) Gable End 38.1 x 63.5 x 430 mm (1-1/2 x 2-1/2 x 16-15/16")

Hardware

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

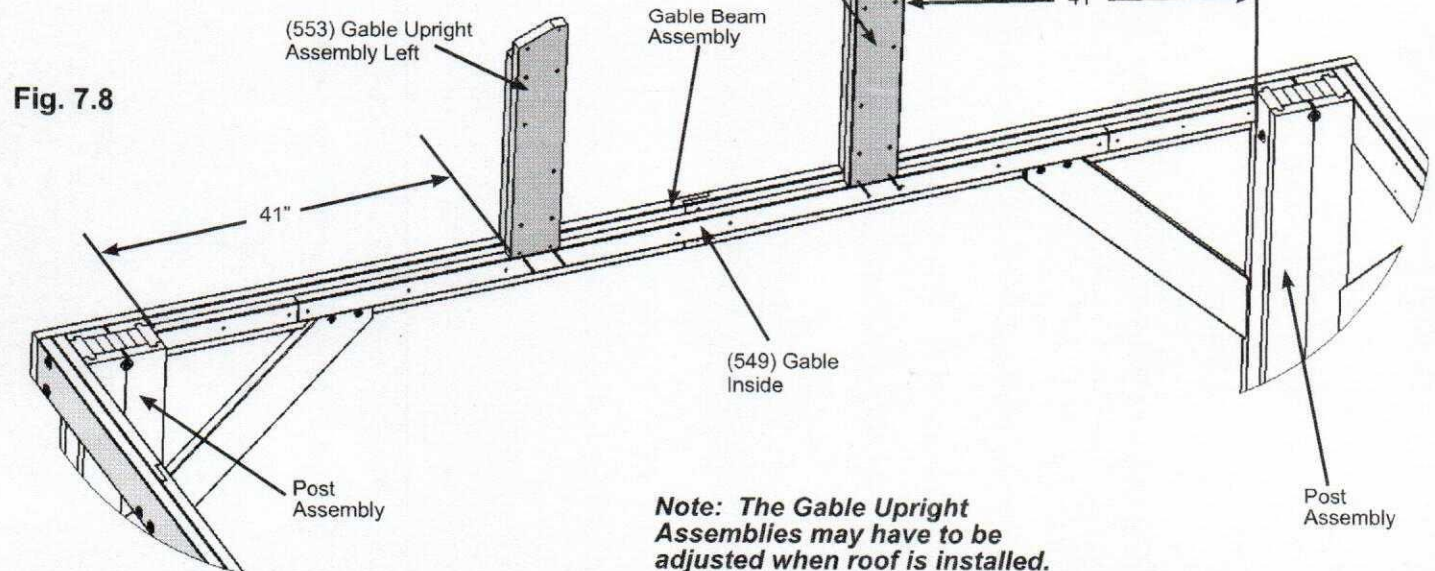
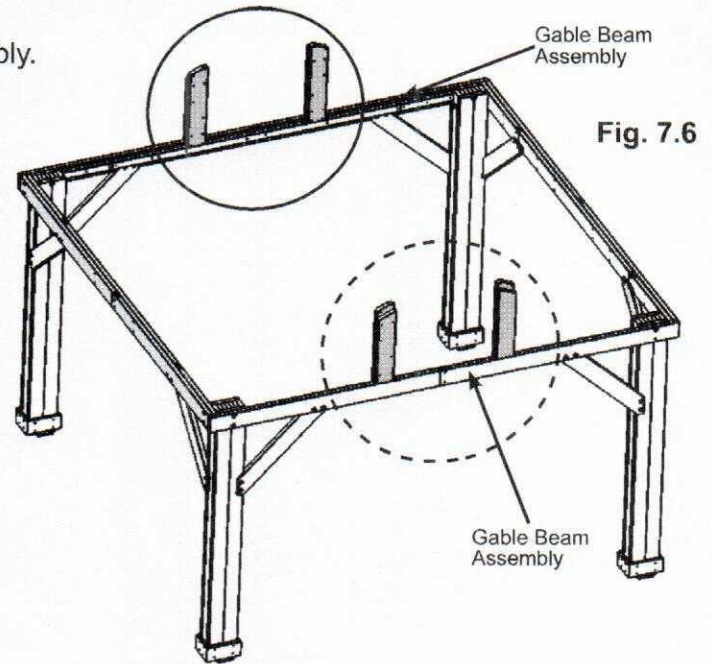
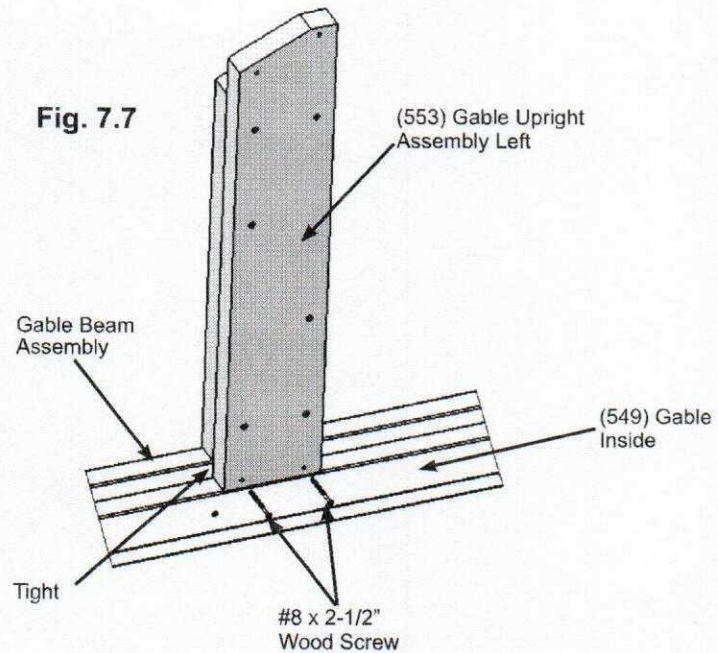
Step 7: Gable Frame Assembly Part 3



E: From the inside of the pavilion frame measure 41" from Post Assembly on the left then place one (553) Gable Upright Assembly Left tight to top of (549) Gable Inside and Gable Beam Assembly, make sure it is square then attach with two #8 x 2-1/2" Wood Screws. (fig. 7.6, 7.7 and 7.8)

F: From the inside of the pavilion frame measure 41" from Post Assembly on the right then place one (552) Gable Upright Assembly Right tight to top of (549) Gable Inside and Gable Beam Assembly, make sure it is square then attach with two #8 x 2-1/2" Wood Screws. (fig. 7.6 and 7.8).

G: Repeat Step E and F for the other Gable Beam Assembly.



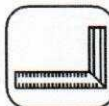
Wood Parts

2 x (552) Gable Upright Assembly Right 76.2 x 139.7 x 717.4 mm (3 x 5-1/2 x 28-1/4")
2 x (553) Gable Upright Assembly Left 76.2 x 139.7 x 717.4 mm (3 x 5-1/2 x 28-1/4")

Hardware

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

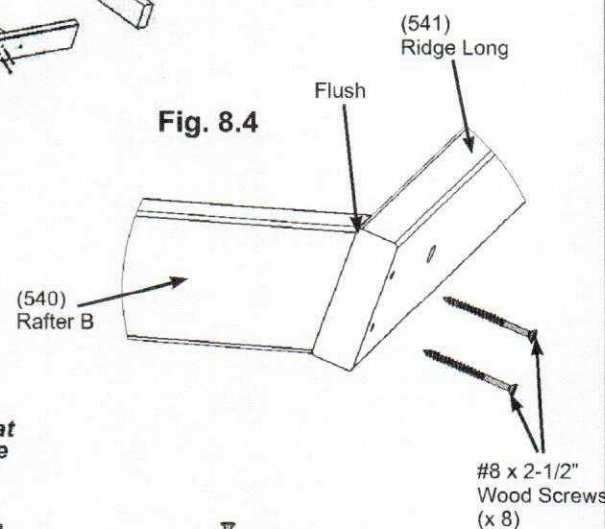
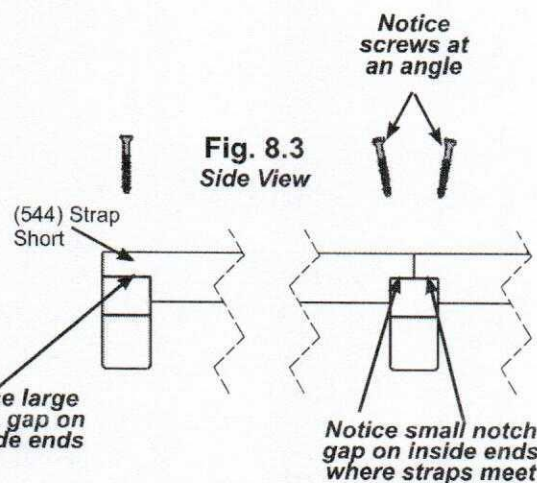
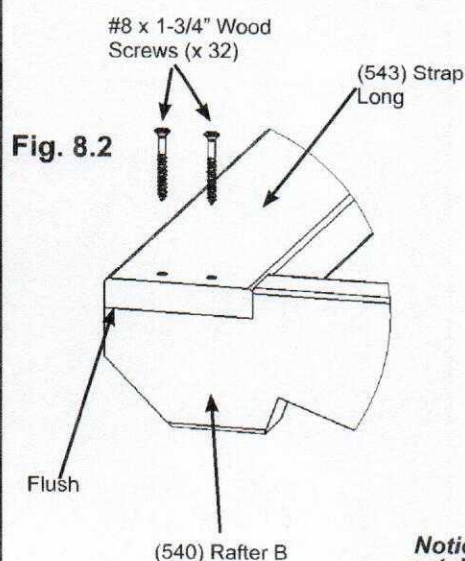
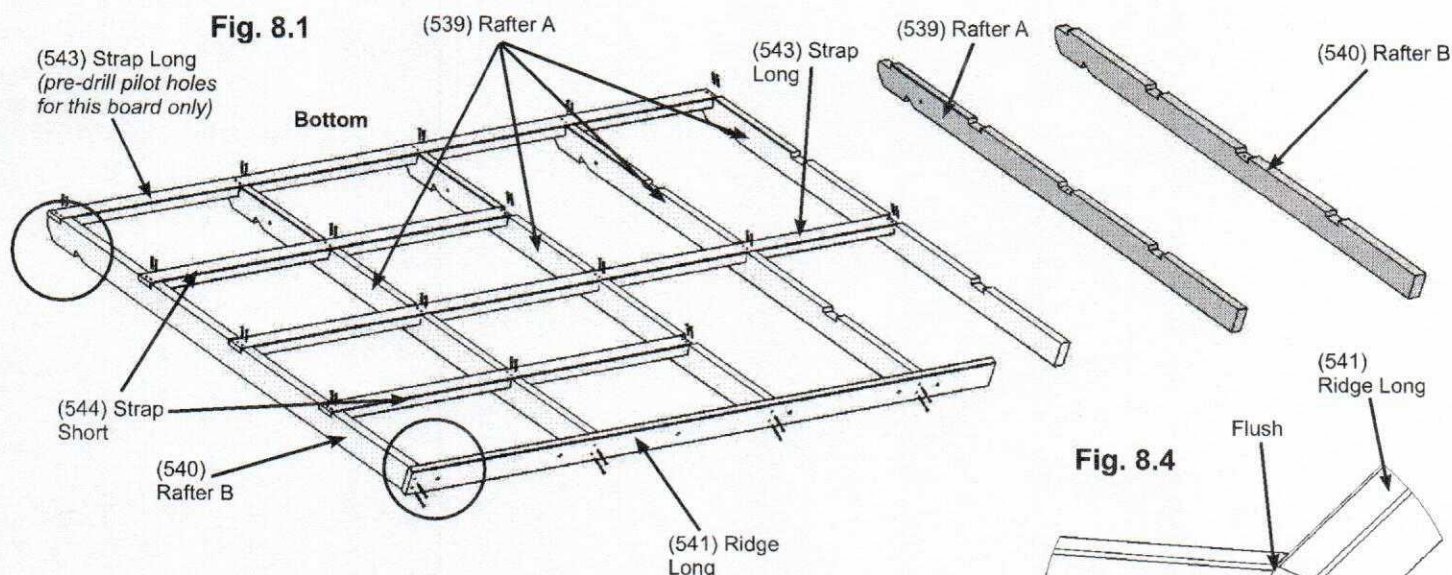
Step 8: Frame Roof Panel Part 1



A: Lay out five (539) Rafter As and two (540) Rafter Bs on a hard flat surface as shown in fig. 8.1. You will need lots of room for this step.

B: Place 1 (543) Strap Long on the bottom of the one (540) Rafter B, flush to the outside edge and four (539) Rafter As, centred on the last. Be sure the wider gap on (543) Strap Long is on (540) Rafter B. Follow by placing one (544) Strap Short then another (543) Strap Long and another (544) Strap Short in the same manner. Make sure the assembly is square, pre-drill the first (543) Strap Long with a 1/8" drill bit as shown below, then attach both (543) Strap Longs with ten #8 x 1-3/4" Wood Screws per board and to both (544) Strap Shorts with six #8 x 1-3/4" Wood Screws per board. The screws on the outside (539) Rafter A are inserted at an angle. (fig. 8.1, 8.2 and 8.3)

C: Place one (541) Ridge Long on the angled ends of the rafters so the outside edges are flush then attach with eight #8 x 2-1/2" Wood Screws. (fig. 8.1 and 8.4)



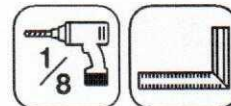
Wood Parts

10 x (539) Rafter A 31.8 x 88.9 x 2272.1 mm (1-1/4 x 3-1/2 x 89-29/64")
 4 x (540) Rafter B 38.1 x 88.9 x 2272.1 mm (1-1/2 x 3-1/2 x 89-29/64")
 4 x (544) Strap Short 31.8 x 76.2 x 1279.1 mm (1-1/4 x 3 x 50-23/64")
 4 x (543) Strap Long 31.8 x 76.2 x 2326.9 mm (1-1/4 x 3 x 91-5/8")
 2 x (541) Ridge Long 25.4 x 101.6 x 2065.3 mm (1 x 4 x 81-5/16")

Hardware

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

Step 8: Frame Roof Panel Part 2



D: Tight to each (543) Strap Long place one (544) Strap Short and tight to the first two (544) Strap Shorts place one (543) Strap Long. Make sure the wider gap on each strap is on the outside. Make sure the assembly is square, pre-drill the first (544) Strap Short with a 1/8" drill bit, as shown below, then attach both (544) Strap Shorts with six #8 x 1-3/4" Wood Screws per board and both (543) Strap Longs with ten #8 x 1-3/4" Wood Screws per board. The screws where the straps meet are inserted at an angle. (fig. 8.3 and 8.5)

E: Tight to (541) Ridge Long attach one (542) Ridge Short with six #8 x 2-1/2" Wood Screws. (fig. 8.4 and 8.5)

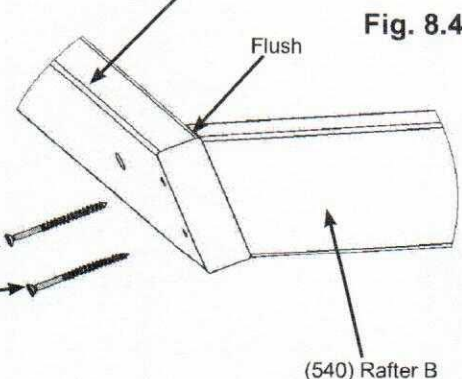
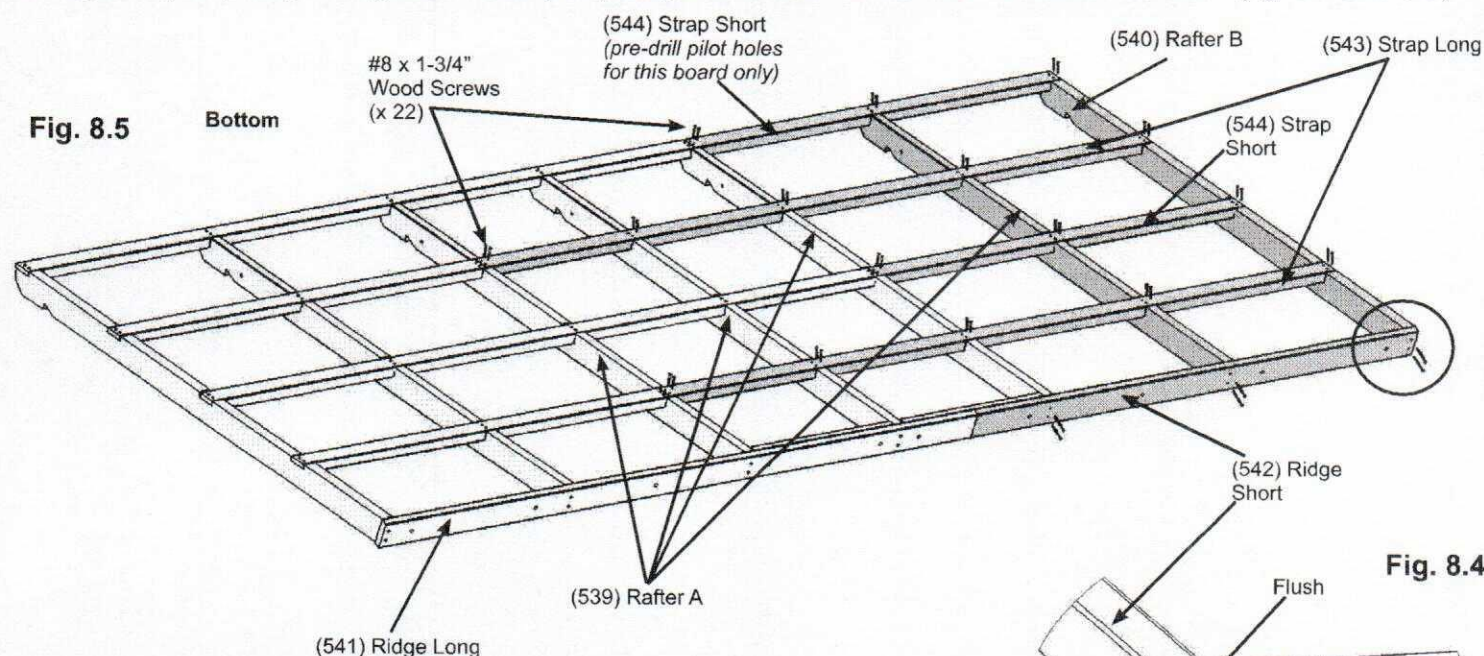
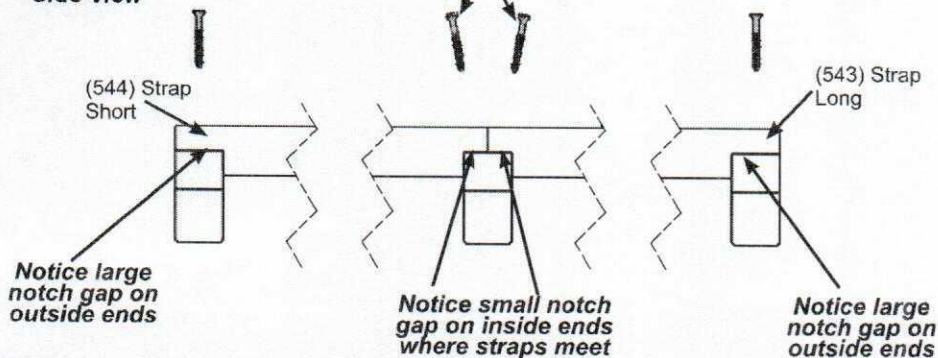


Fig. 8.3
Side View



Wood Parts

- 4 x (544) Strap Short 31.8 x 76.2 x 1279.1 mm (1-1/4 x 3 x 50-23/64")
- 4 x (543) Strap Long 31.8 x 76.2 x 2326.9 mm (1-1/4 x 3 x 91-5/8")
- 2 x (542) Ridge Short 25.4 x 101.6 x 1541.4 mm (1 x 4 x 60-11/16")

Hardware

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

Step 8: Frame Roof Panel Part 3



F: Make sure frame is square. Measurements to be as shown in fig. 8.6.

G: In the two middle gaps between (539) Rafter As place one (545) Rafter Brace flush to the top of (542) Ridge Short and (541) Ridge Long. Use two 1/4 x 4-3/4" Hex Bolts per brace as a guide to line up the bolt holes. Attach (545) Rafter Braces to (469) Rafter Top Short and (467) Rafter Top with eight #8 x 1-3/4" Wood Screws per brace. Remove each Hex Bolt as they will be used in a later step and not installed here. *Note: Angle is at the top of (545) Rafter Brace* (fig. 8.6 and 8.7)

H: Repeat Steps A - G to create a second Roof Panel Frame.

Fig. 8.7

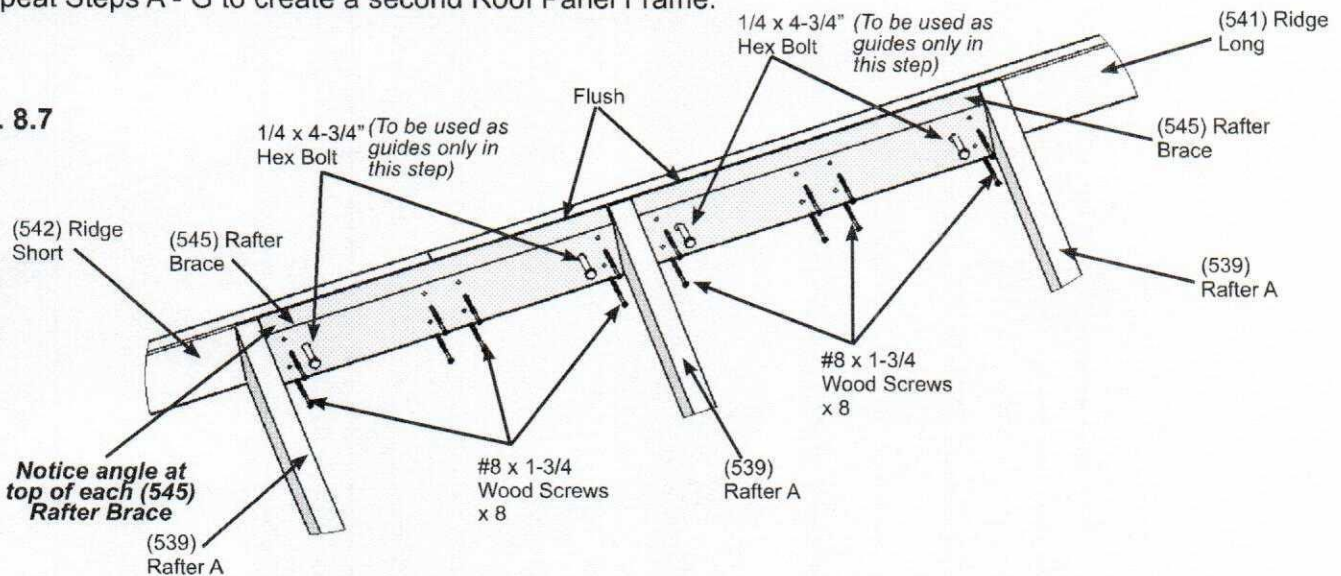
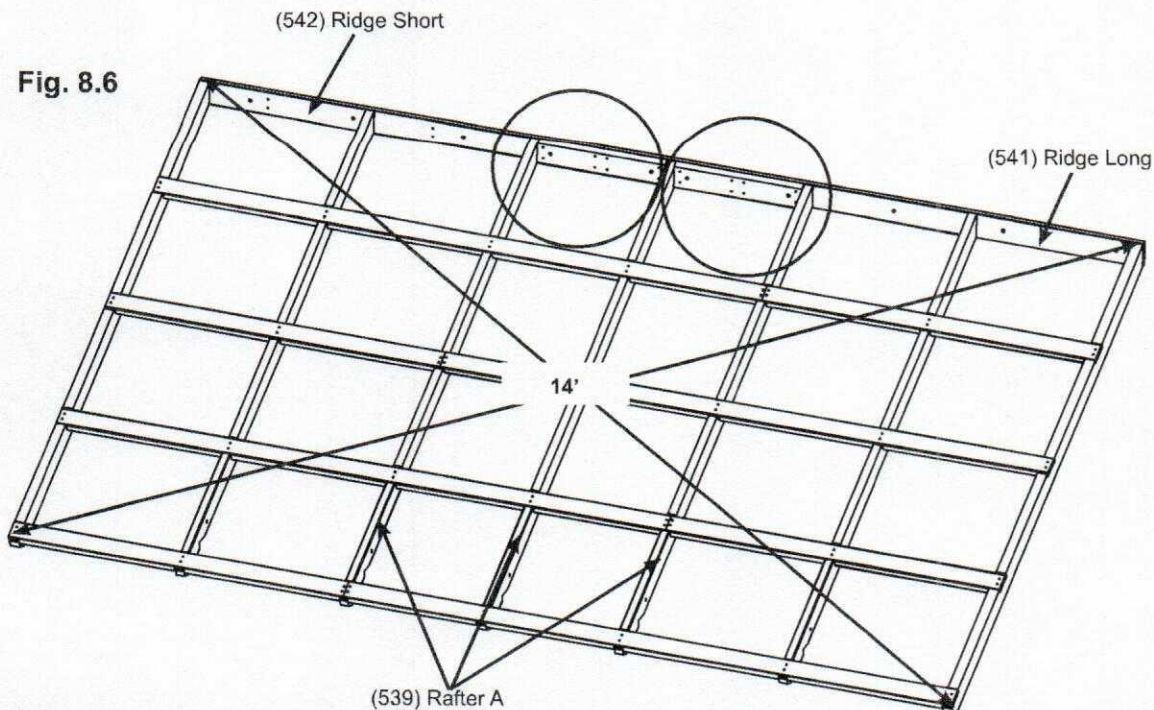


Fig. 8.6



Wood Parts

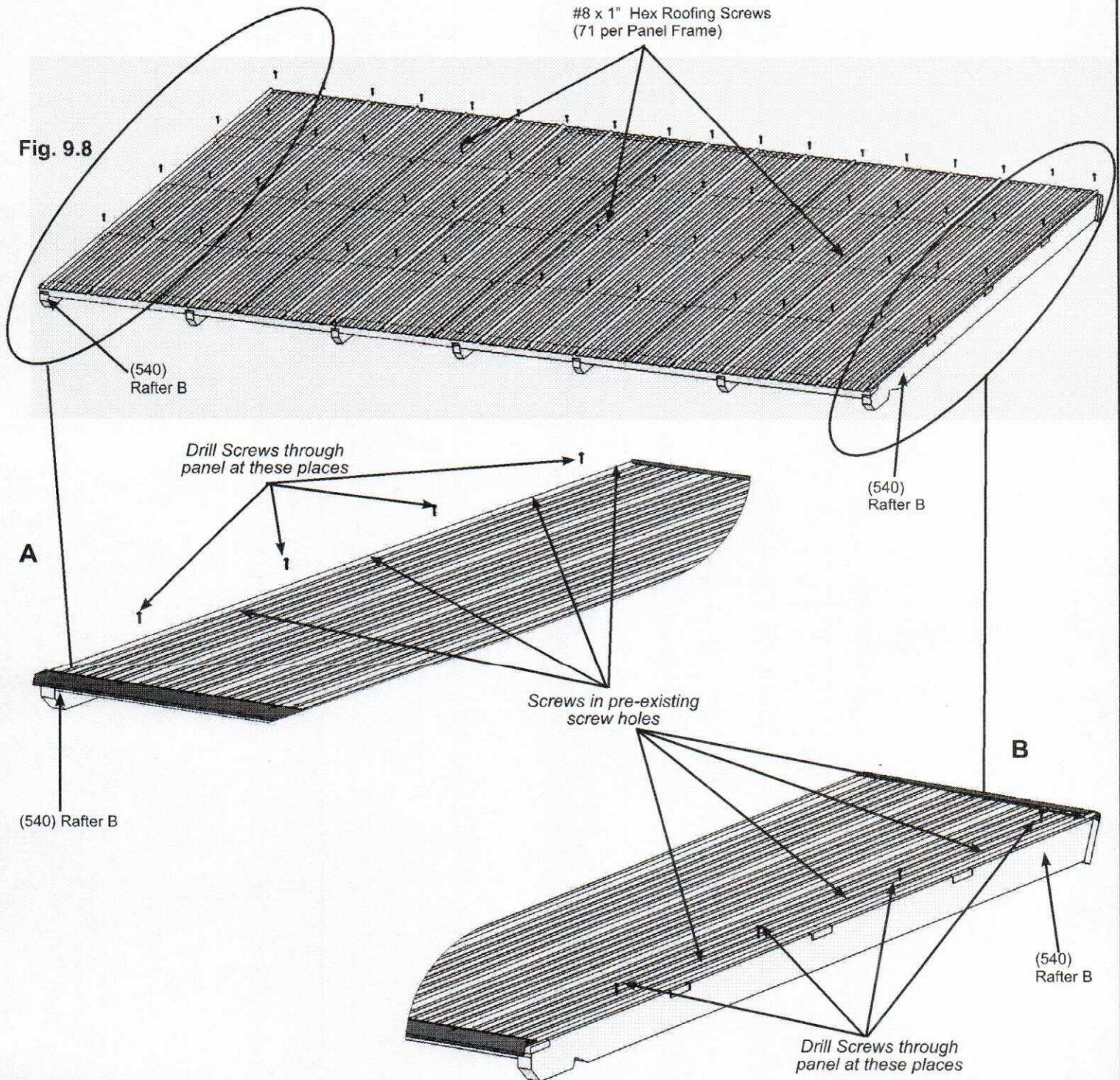
4 x (545) Rafter Brace 25.4 x 101.6 x 489 mm (1 x 4 x 19-1/4")

Hardware

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

Step 9: Attach Roof Panels Part 3

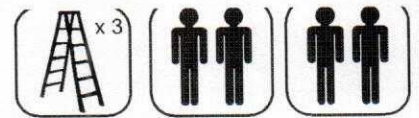
F: Attach the three Main Panels and one Right Side Panel to one Roof Panel Frame using 63 #8 x 1" Hex Roofing Screws as shown in fig. 9.8. On the outside (540) Rafter Bs, in between the screw holes, four additional screws are to be inserted through the panels in the spaces indicated below (see A and B). Be sure not to overtighten screws.



Hardware

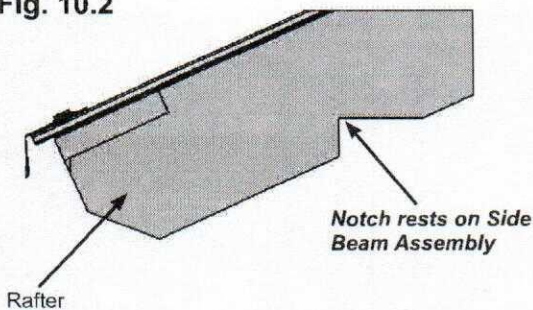
142 x #8 x 1" Hex Roofing Screw

Step 10: Attach Roof Panels to Frame Part 1



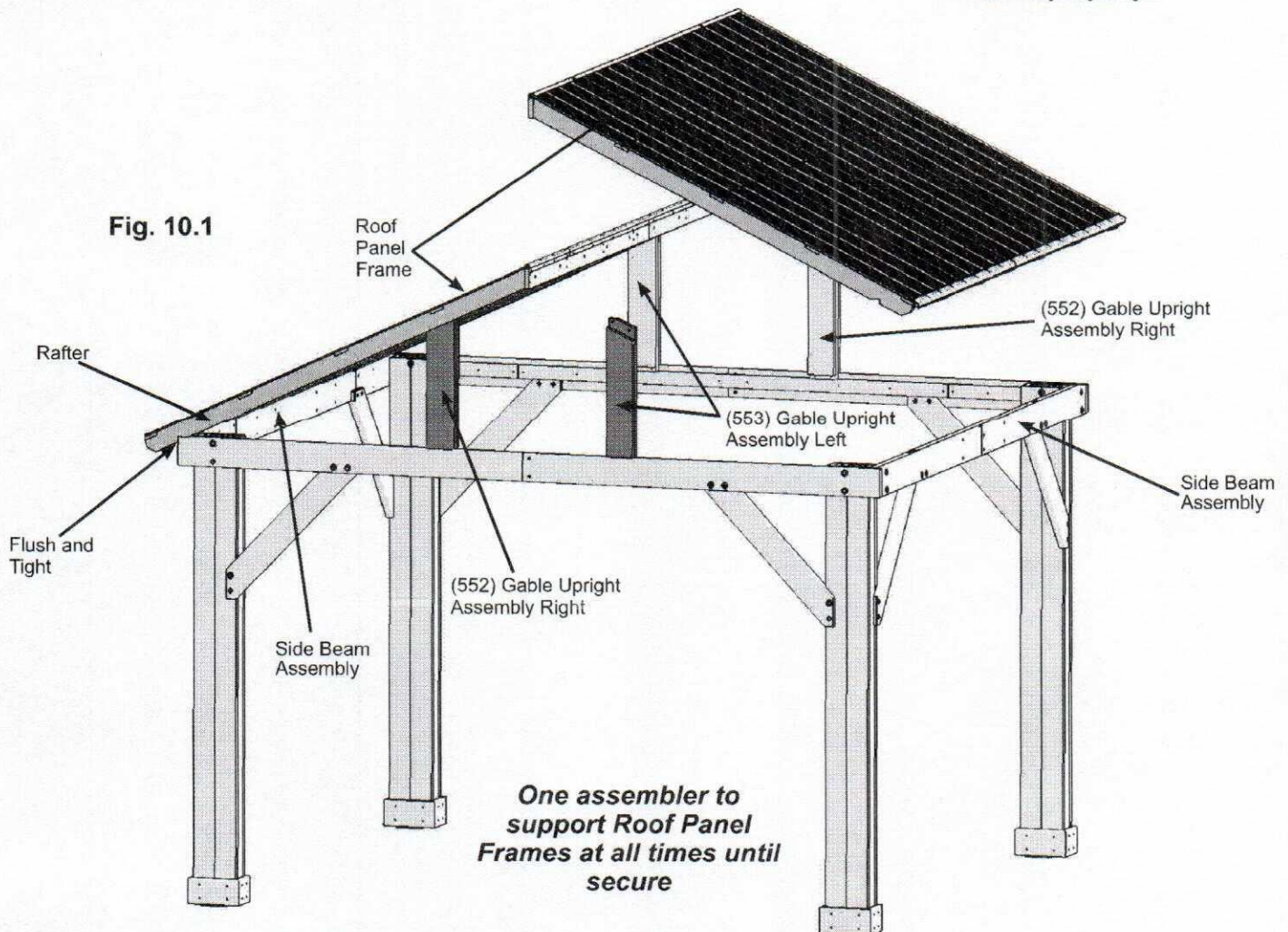
A: With four assemblers lift one Roof Panel Frame up and over the pavilion frame so it rests on (552) Gable Upright Assembly Right and (553) Gable Upright Assembly Left. The notches in the rafters sit tight on the Side Beam Assemblies. Lift the second Roof Panel Frame up and over the pavilion frame so the two Roof Panel Frames are tight together and notches are tight to Side Beam Assemblies. **One assembler must remain on a ladder to hold Roof Panel Frame in place until secured.** (fig. 10.1 and 10.2)

Fig. 10.2



Note: The Gable Upright Assemblies may have to be adjusted to make roof sit properly.

Fig. 10.1



Step 14: Attach Plaque

A: Attach Gazebo ID Plaque to a prominent location on your Pavilion with two #8 x 1" 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. (fig. 14.1 and 14.2)

Fig. 14.1

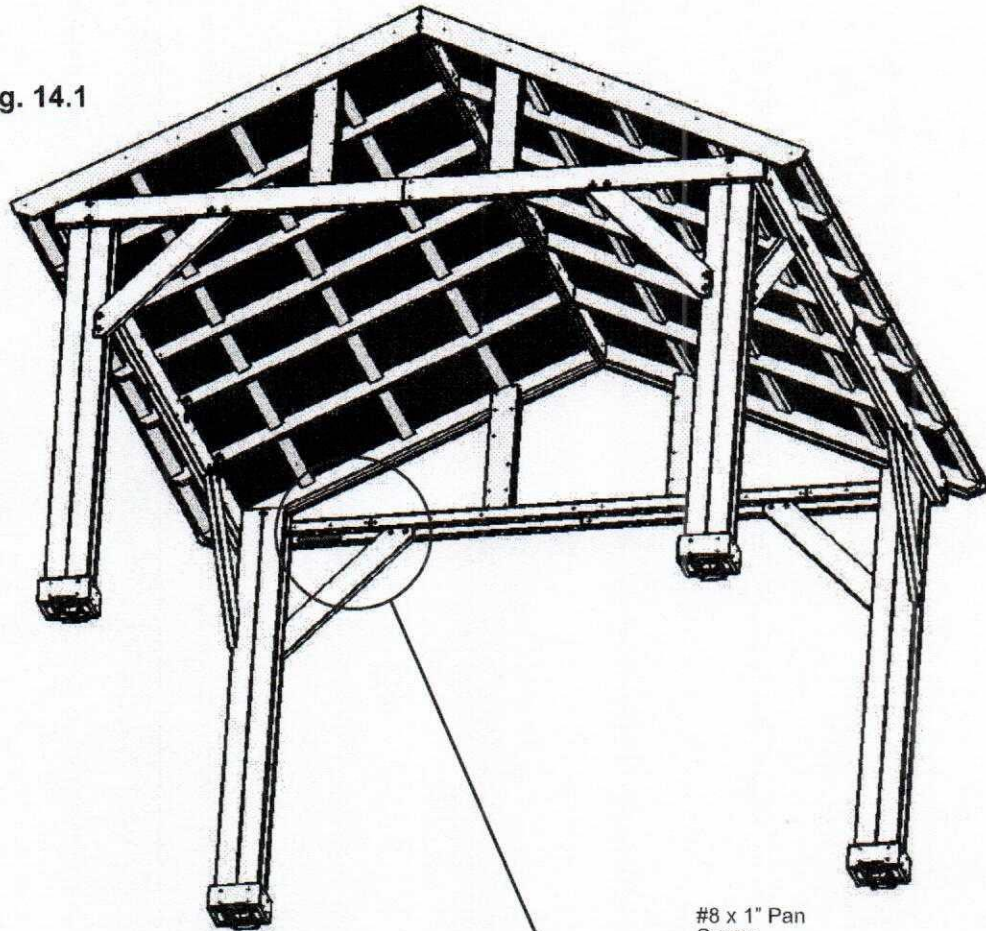
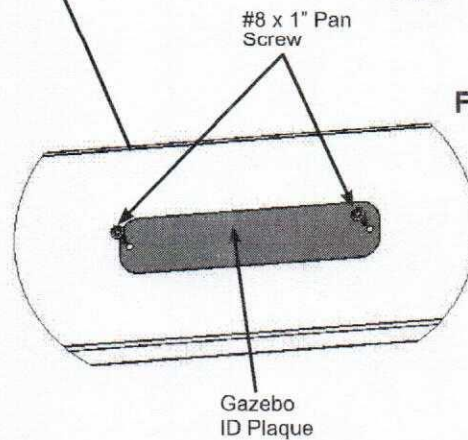


Fig.14.2



Hardware

2 x #8 x 1" Pan Screw

1 x Gazebo ID Plaque