



Manufactured by: Backyard  
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# 10x10 BARRINGTON GAZEBO

## MODEL # : 2406131



Please visit [www.backyarddiscovery.com](http://www.backyarddiscovery.com)  
For the most up to date assembly manual, to register your product, or to order  
replacement parts *Para obtener instrucciones en español, visite*  
[www.backyarddiscovery.com](http://www.backyarddiscovery.com)



EASY STEP-BY-STEP  
3D INTERACTIVE INSTRUCTIONS  
DOWNLOAD THE FREE APP



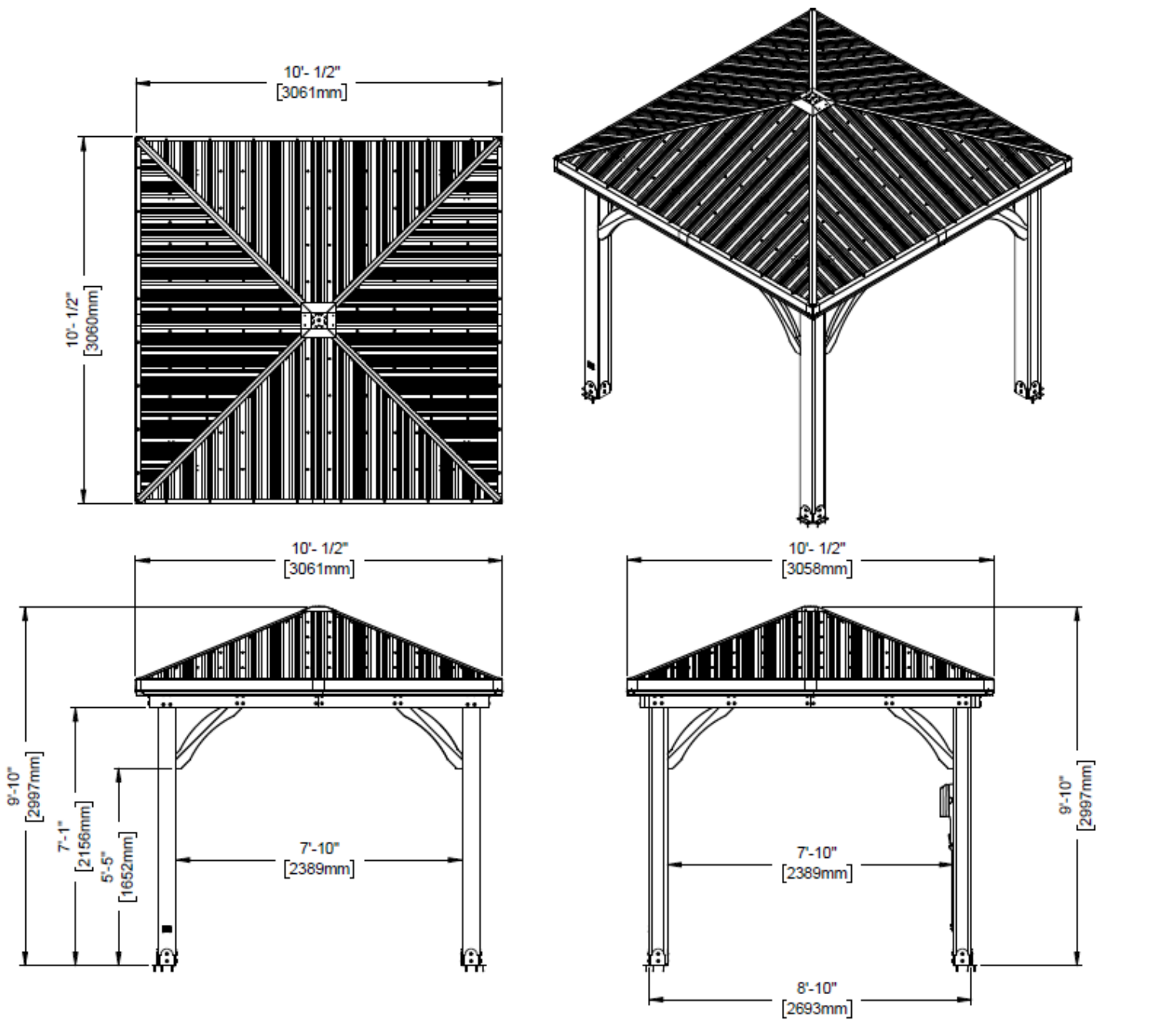
# OWNER'S MANUAL - BASIC SETUP DIMENSIONS & ASSEMBLY NOTES

It is critically important that you start with square and level footings or concrete pad to attach your structure.

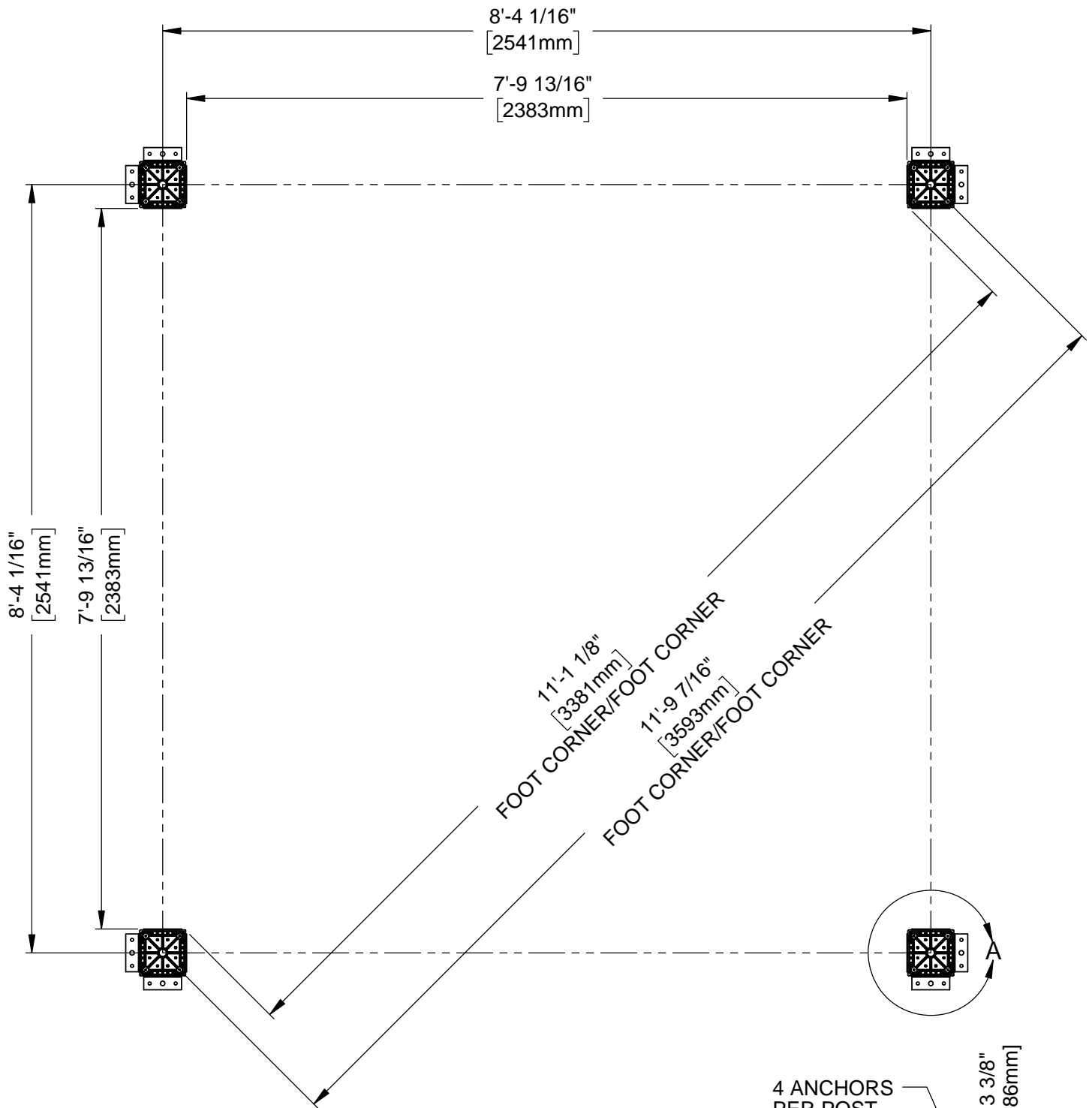
- Pay close attention to the items needed for each step. Make sure you are using the correct hardware for each step. using incorrecdt hardware may result in improper assembly
- Remember to double check for underground utilities and overhead electrical lines

Post mounts are provided with your structure which allows you to permanently install your structure to a pre-existing or new wood concrete surface. See Anchor Instructions for further details and recommendations.

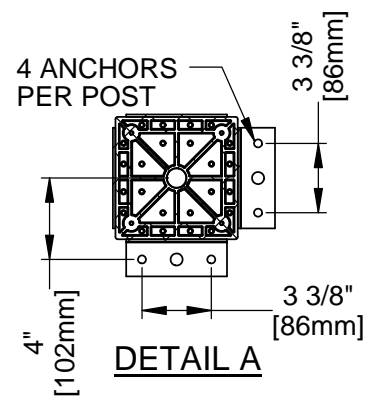
- The hardware to attach the post mounts to the structure is included.
- The hardware to mount the structure permanently to a concrete surface is included
- The hardware to mount the sctructure permanently to a wood deck is NOT included and will need to be purchased separately. You must ensure there is ample structural support under the deck before permanently attaching.



# OWNER'S MANUAL - ANCHORING LAYOUT

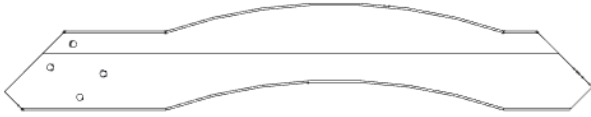


NOTE: DIMENSIONS ARE TO ANCHOR PLATES MOUNTED TO POSTS EXCEPT WHERE NOTED.



# OWNER'S MANUAL - PART IDENTIFICATION

## WOOD COMPONENTS (NOT TO SCALE)



**C01 CORBEL - W2A03198**  
(x7) 1 7/16"x6 7/16"x35 1/8" (36x163x893)



**C02 CORBEL W/TAG - W2A03199**  
(x1) 1 7/16"x6 7/16"x35 1/8" (36x163x784)



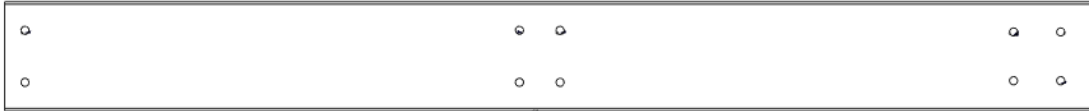
**D01 BEAM - W4L20229**  
(x2) 1 7/16"x5 1/4"x27 1/16" (36x134x688)



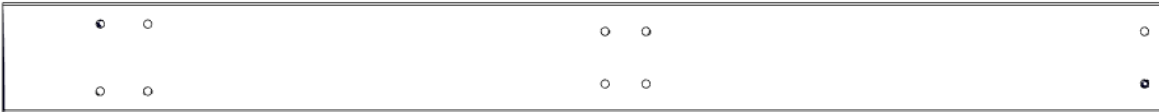
**D02 BEAM - W4L20230**  
(x2) 1 7/16"x5 1/4"x81 3/4" (36x134x2077)



**D03 BEAM - W4L20231**  
(x2) 1 7/16"x5 1/4"x29 15/16" (36.00x134.00x760.00)



**D04 BEAM - W4L20232**  
(x4) 1 7/16"x5 1/4"x53" (36x134x1346)



**D05 BEAM - W4L20233**  
(x4) 1 7/16"x5 1/4"x55 13/16" (36x134x1418)



**D06 BEAM - W4L20236**  
(x2) 1 7/16"x5 1/4"x78 15/16" (36.00x134.00x2004.80)



**E08 RAFTER - W4L16804**  
(x4) 1 7/16"x3 3/8"x57 1/2" (36x86x1460)



**E09 RAFTER - W4L20727**  
(x4) 1 7/16"x3 3/8"x41 3/16" (36x86x1047)



**E10 RAFTER - W4L16806**  
(x4) 1 7/16"x3 3/8"x20 3/4" (36x86x527)



**E11 RAFTER - W4L20728**  
(x4) 36x86x1047 (36x86x1047)



**E12 RAFTER - W4L16808**  
(x4) 1 7/16"x3 3/8"x20 3/4" (36x86x527)

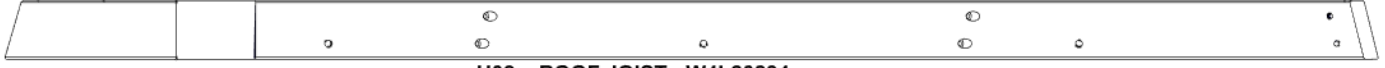


**H01 ROOF SUPPORT - W4L16781**  
(x4) 15/16"x3 3/8"x75 3/16" (24x86x1909)



# OWNER'S MANUAL - PART IDENTIFICATION

## WOOD COMPONENTS (NOT TO SCALE)



**H02 ROOF JOIST - W4L20234**  
(x2) 15/16"x3 3/8"x79 1/4" (24x86x2013)



**H03 ROOF JOIST - W4L20235**  
(x2) 15/16"x3 3/8"x79 1/4" (24x86x2013)



**H11 ROOF JOIST - W4L16801**  
(x4) 15/16"x3 3/8"x12 15/16" (24x86x328)



**H12 ROOF JOIST - W4L16802**  
(x2) 15/16"x3 3/8"x79 1/4" (24x86x2013)



**H13 ROOF JOIST - W4L16803**  
(x2) 15/16"x3 3/8"x79 1/4" (24x86x2013)



**H14 PURLIN - W4L16809**  
(x8) 15/16"x3 3/8"x50 13/16" (24x86x1290)



**H15 PURLIN - W4L16810**  
(x4) 15/16"x3 3/8"x74 15/16" (24x86x1904)



**H16 PURLIN - W4L16811**  
(x4) 15/16"x3 3/8"x50 11/16" (24x86x1288)



**H17 PURLIN - W4L16812**  
(x4) 15/16"x3 3/8"x26 1/2" (24x86x673)



**Q01 ROOF JOIST - W4L20228**  
(x4) 15/16"x4 7/16"x60 1/4" (24x112x1530)



**Q02 ROOF JOIST - W4L16800**  
(x4) 15/16"x4 7/16" (24x112x1554)



**T02 PURLIN - W4L16813**  
(x4) 15/16"x1 5/16"x15" (24x34x382)



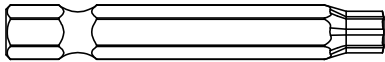
**P01 POST - W2A03202**  
(x2) 6"x6"x89 1/2" (152x152x2274)



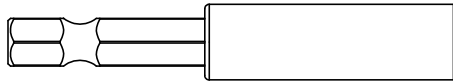
**P02 POST - W2A03203**  
(x2) 6"x6"x89 1/2" (152x152x2274)

# Owner's Manual - Parts Identification

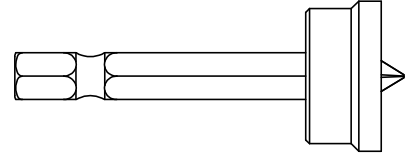
## Hardware Components



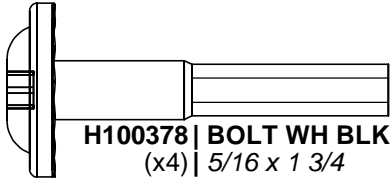
**H100147 | TORX BIT**  
(x1) T-30



**H101100 | MAGNETIC DRIVER**  
(x1)



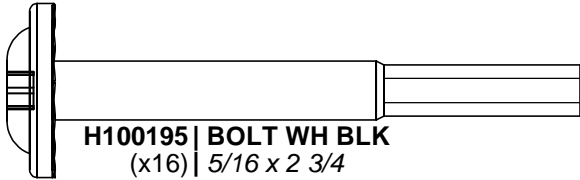
**H100764 | SCREW SETTER**  
(x1)



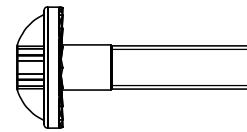
**H100378 | BOLT WH BLK**  
(x4) | 5/16 x 1 3/4



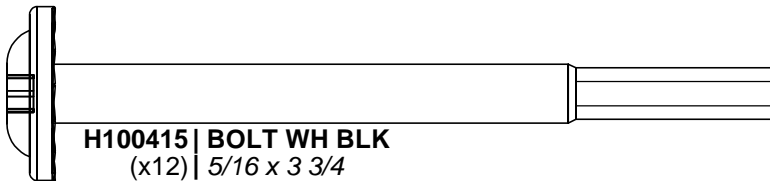
**H100114 | TORX WRENCH**  
(x1) | T-30



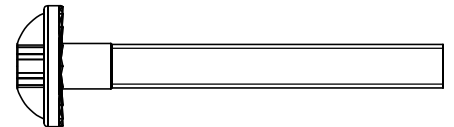
**H100195 | BOLT WH BLK**  
(x16) | 5/16 x 2 3/4



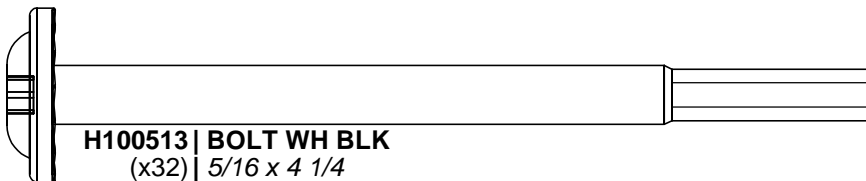
**H100171 | BOLT WH BLK**  
(x32) | 1/4 x 1



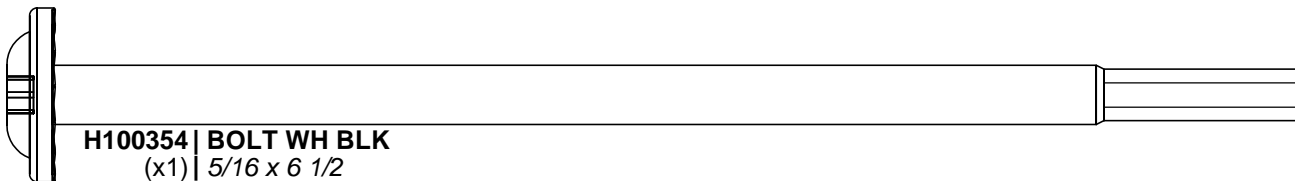
**H100415 | BOLT WH BLK**  
(x12) | 5/16 x 3 3/4



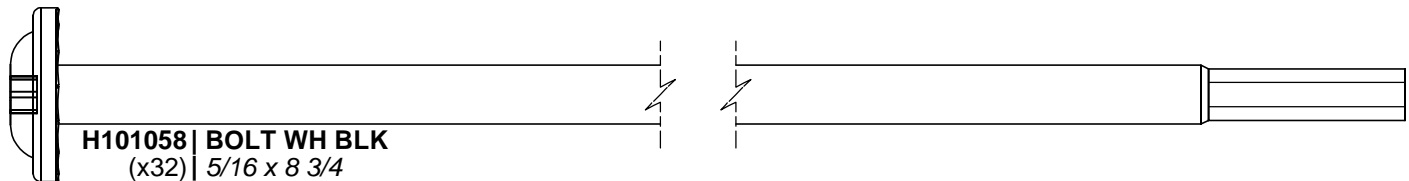
**H100488 | BOLT WH BLK**  
(x12) | 1/4 x 2



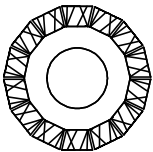
**H100513 | BOLT WH BLK**  
(x32) | 5/16 x 4 1/4



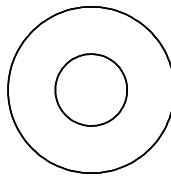
**H100354 | BOLT WH BLK**  
(x1) | 5/16 x 6 1/2



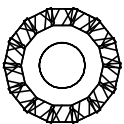
**H101058 | BOLT WH BLK**  
(x32) | 5/16 x 8 3/4



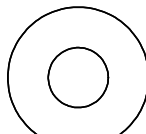
**H100198 | WASHER LOCK EXT BLK**  
(x96) | 8 x 19



**H100770 | WASHER FLAT BLK**  
(x12) | 9.5 x 22



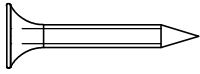
**H100405 | WASHER LOCK EXT BLK**  
(x8) | 6 x 15



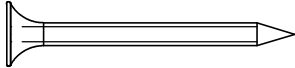
**H100630 | WASHER FLAT BLK**  
(x28) | 8 x 19

# Owner's Manual - Parts Identification

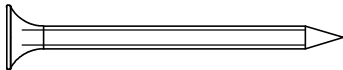
## Hardware Components



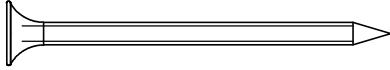
**H100385 | SCREW PFH BLK**  
(x28) | 8 x 1



**H100200 | SCREW PFH BLK**  
(x16) | 8 x 1 1/2



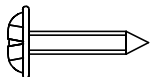
**H100382 | SCREW PFH BLK**  
(x16) | 8 x 1 3/4



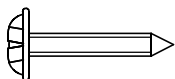
**H100391 | SCREW PFH BLK**  
(x160) | 8 x 2



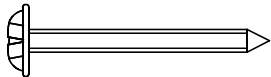
**H100483 | SCREW PFH BLK**  
(x32) | 8 x 2 1/4



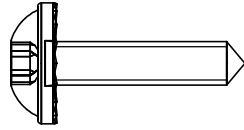
**H100202 | SCREW PWH BLK**  
(x4) | 8 x 5/8



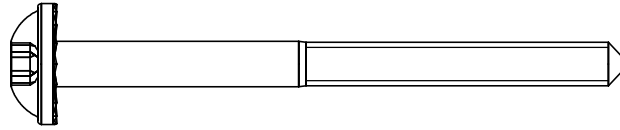
**H100392 | SCREW PWH BLK**  
(x16) | 8 x 3/4



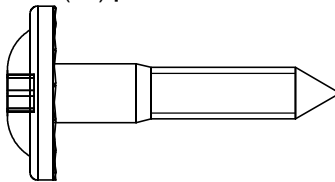
**H100536 | SCREW PWH BLK**  
(x24) | 8 x 1 1/4



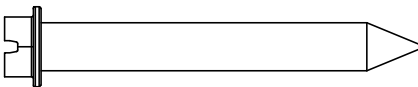
**H100460 | LAG SCREW WH BLK**  
(x16) | 1/4 x 1



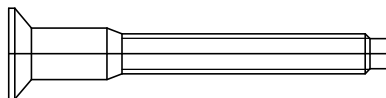
**H100792 | LAG SCREW WH BLK**  
(x8) | 1/4 x 3



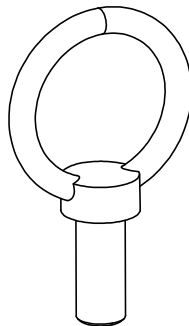
**H100471 | LAG SCREW WH BLK**  
(x32) | 5/16 x 1 1/2



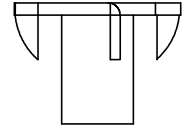
**H100120 | CONCRETE ANCHOR**  
(x16) | 1/4 x 2



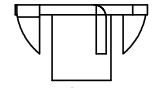
**H101030 | CONFIRMAT SCREW**  
(x80) | 7 X 2



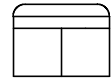
**H101285 | EYE NUT**  
(x1) | 5/16-18 X 3/4" DIA.



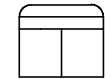
**H100379 | T-NUT BLK**  
(x84) | 5/16



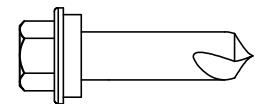
**H100398 | T-NUT BLK**  
(x32) | 1/4



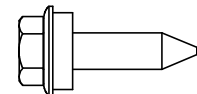
**H100479 | NUT LOCK BLK**  
(x13) | 5/16



**H100653 | NUT LOCK BLK**  
(x12) | 1/4



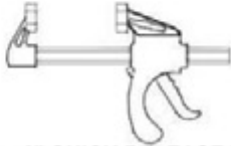
**H100759 | SCREW TAPPING**  
(x40) | 1/4 x 1



**H100833 | SCREW WOODGRIP**  
(x192) | 10-16X3/4"

# OWNER'S MANUAL - PART IDENTIFICATION

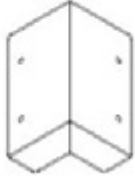
## ACCESSORY COMPONENTS (NOT TO SCALE)



**A6P00460 6" QUICK RELEASE BAR CLAMP**  
(x2)



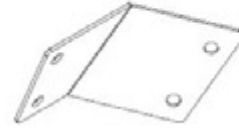
**9205413 ELECTRICAL ENCLOSURE**  
(x1)



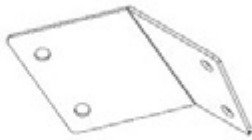
**A4M01185 CORNER BRACKET**  
(x4)



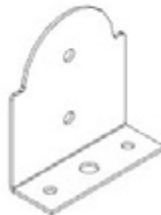
**A4M01228 RAFTER CLIP**  
(x12)



**A4M01664 PANEL BRACKET**  
(x4)



**A4M01665 PANEL BRACKET**  
(x4)



**A4M01793 POST ANCHORING PLATE**  
(x8)



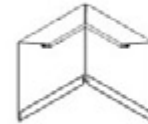
**A4M01794 POST PLATE**  
(x8)



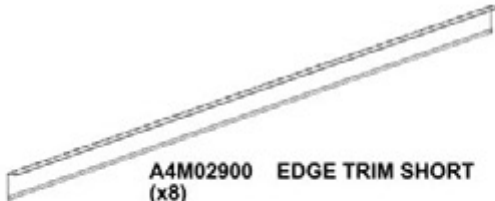
**A4M02158 BYD ID TAG PATIO**  
(x1)



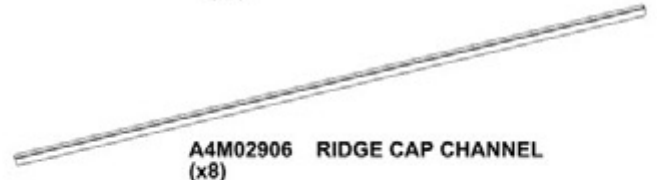
**A4M02822 Trim Splice**  
(x4)



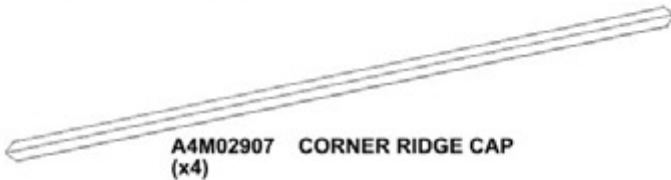
**A4M02825 EDGE TRIM CORNER SPLICE**  
(x4)



**A4M02900 EDGE TRIM SHORT**  
(x8)



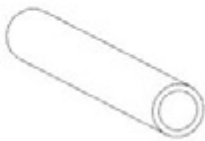
**A4M02906 RIDGE CAP CHANNEL**  
(x8)



**A4M02907 CORNER RIDGE CAP**  
(x4)



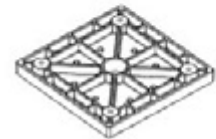
**A4M03410 DRIP EDGE SPLICE**  
(x4)



**A4M01908 METAL SPACER**  
(x1)

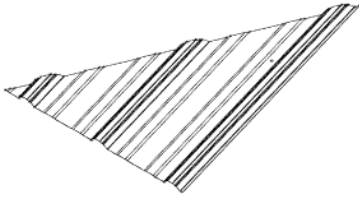


**A4M03442 DRIP EDGE**  
(x8)

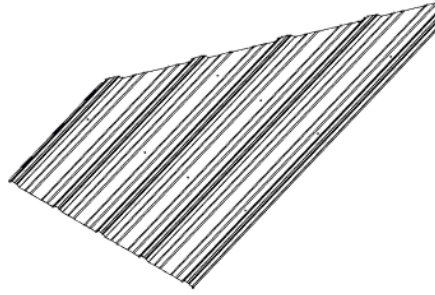


**A6P00308 6x6 POST FOOT**  
(x4)

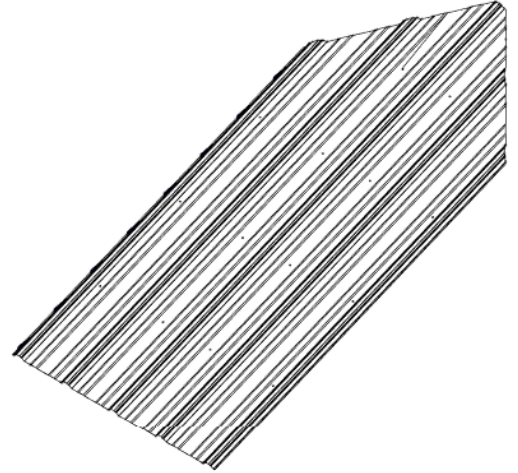
# OWNER'S MANUAL - PART IDENTIFICATION



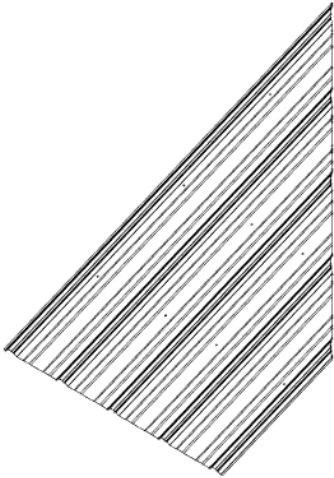
**A4M03439-01 29GA STEEL SHEETING**  
(x4)



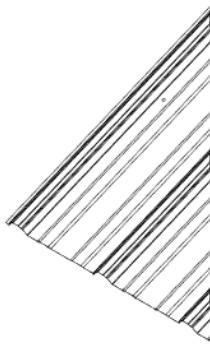
**A4M03439-02 29GA STEEL SHEETING**  
(x4)



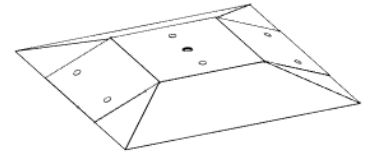
**A4M02901-2 29 GA STEEL SHEETING**  
(x4)



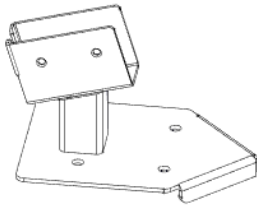
**A4M03440-02 29GA STEEL SHEETING**  
(x4)



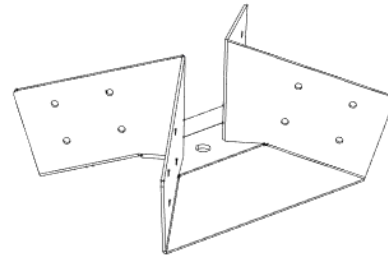
**A4M03440-01 29GA STEEL SHEETING**  
(x4)



**A4M01907 PEAK RIDGE CAP**  
(x1)



**A4M01234 POST CLIP ASSY**  
(x4)



**A4M01901 PANEL SUPPORT BRACKET**  
(x1)

# PRE-ASSEMBLY STEP 1 - SORTING PARTS

It is critical for ease of assembly that you take the time to sort and organize the wood and hardware.

---

## WOOD PARTS:

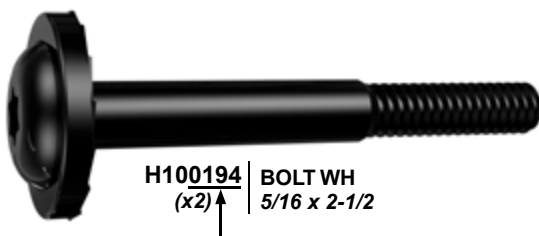
- Organize wood parts by the three-digit, alpha-numeric number stamped on each board (ex. P01).
- If there are multiple boards with the same stamped number, stack those pieces together.
- Stamps can be found on the flat surface of the boards or on the end of the boards.
- Allow yourself plenty of room - the wood pieces can take up a significant amount of space.

**NOTE: CARTONS ARE NOT ORGANIZED BY BOARD OR STEP NUMBER.**



## HARDWARE PARTS:

- We recommend that you have a separate table to organize the hardware.
- Hardware bags are printed with a seven-digit, alpha-numeric part number.
- You can organize your hardware by part number or group by hardware type (e.g. bolts, nuts, etc.).
- During assembly you only need to reference the last four digits of the number.



# PRE-ASSEMBLY STEP 2 - TOOLS REQUIRED



Cordless Drill or Electric Drill



Drill Attachments:  
Phillips Head



1/8" & 3/8" Drill Bits



Phillips Screw Driver



Open End Wrenches 1/2" & 7/16"



3/8" Drive Ratchet, 1/2" & 7/16" STD Sockets, 1/2" & 7/16" Deep Sockets



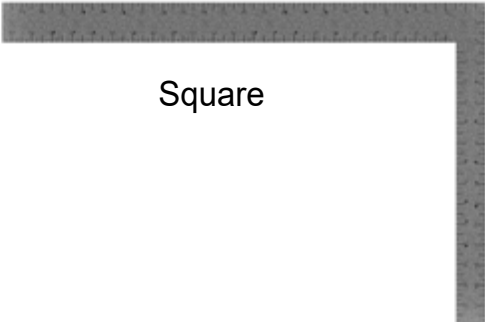
Tape Measure



Claw Hammer



Rubber Mallet - Optional



Square



Level 24"



# PRE-ASSEMBLY STEP 3 - CHOOSE YOUR ASSEMBLY METHOD

There are several types of assembly instructions available to you.

1. Printed Assembly Manual included with your set
2. BILT APP - 3D interactive instructions
3. Combination of the Printed Manual and BILT APP (Note: Step numbers can differ between the two methods)



# STEP 1- POST ASSEMBLY

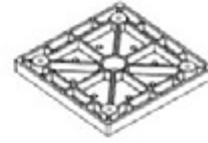
QTY	PART NUMBER	DESCRIPTION
8	H100200	SCREW PFH 8x1 1/2 BLK



P01 POST - W2A03202  
(x1) 6"x6"x89 1/2" (152x152x2274)

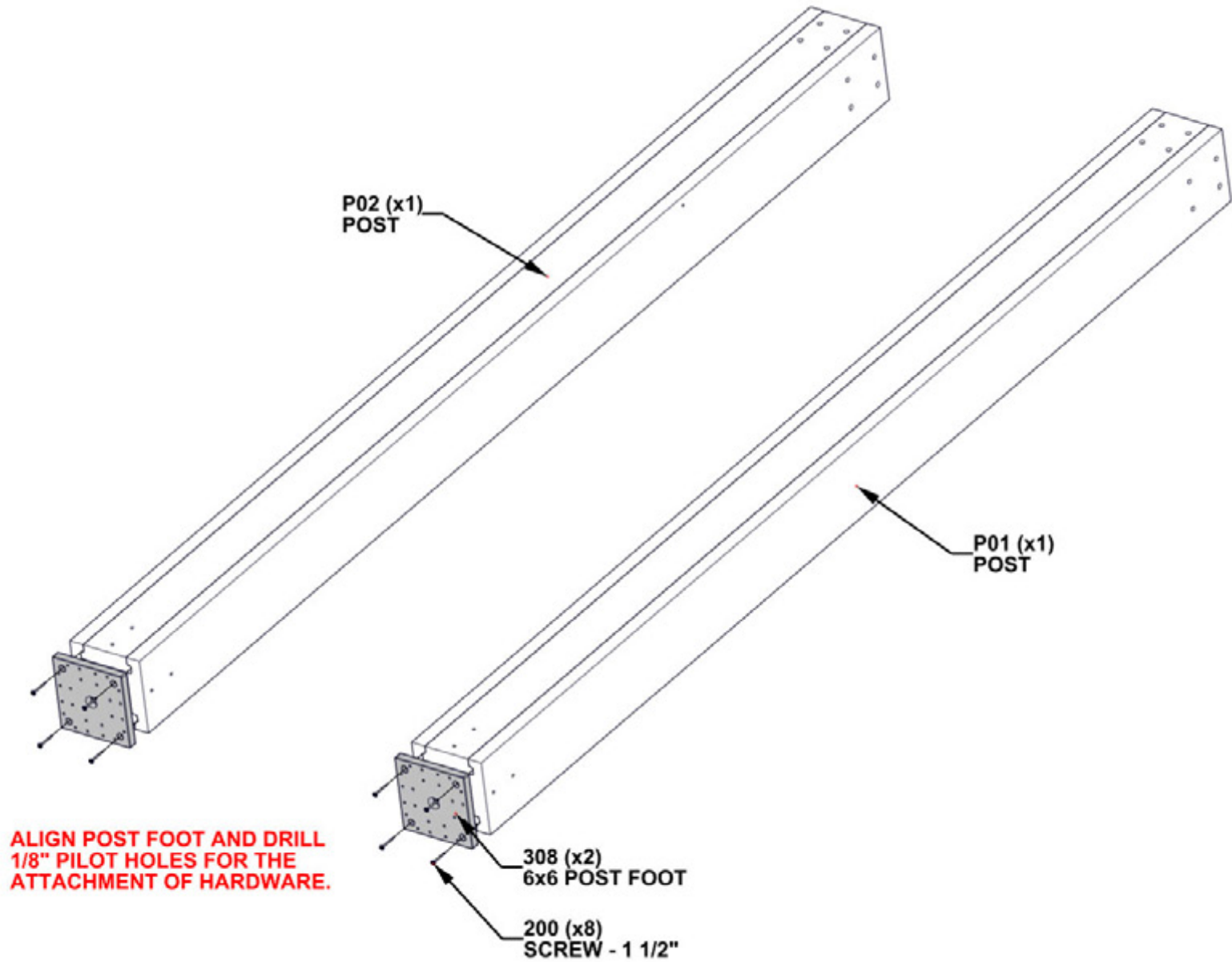


P02 POST - W2A03203  
(x1) 6"x6"x89 1/2" (152x152x2274)



A6P00308 6x6 POST FOOT  
(x2)

- FOR EASE OF ASSEMBLY, SAW HORSES ARE RECOMMENDED FOR POST AND BEAM ASSEMBLIES.



# STEP 2 - 112" BEAM ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
4	H100195	BOLT WH 5/16x2 3/4 BLK
4	H100198	WASHER LOCK EXT 8x19
4	H100379	TNUT-5/16" BLK

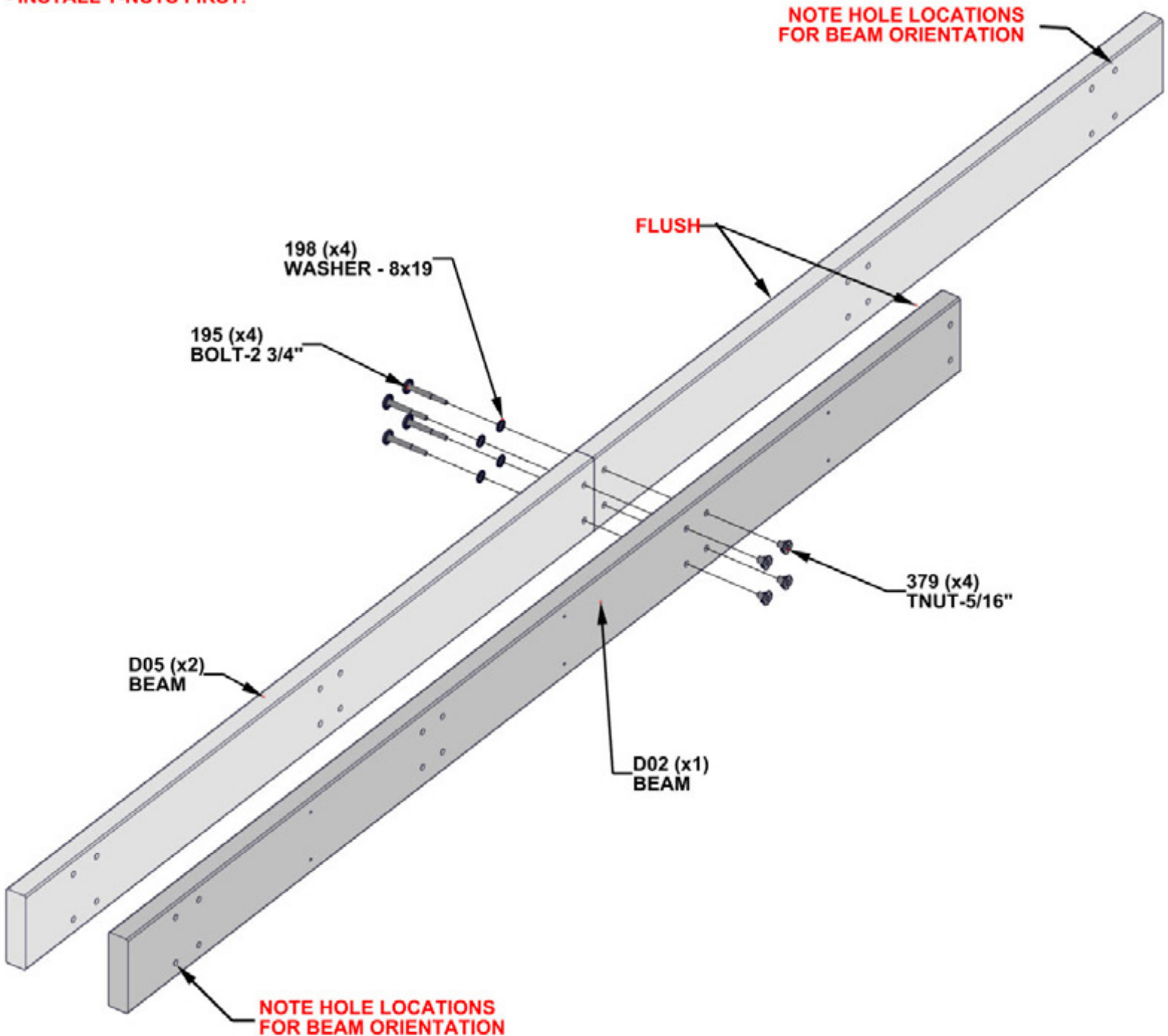


D02 BEAM - W4L20230  
(x1) 1 7/16"x5 1/4"x81 3/4" (36x134x2077)



D05 BEAM - W4L20233  
(x2) 1 7/16"x5 1/4"x55 13/16" (36x134x1418)

**- INSTALL T-NUTS FIRST.**



# STEP 3 - 112" BEAM ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
8	H100198	WASHER LOCK EXT 8x19
8	H100379	TNUT-5/16" BLK
8	H100513	BOLT WH 5/16x4 1/4 BLK



C01 CORBEL - W2A03198  
(x1) 1 7/16"x6 7/16"x35 1/8" (36x163x784)

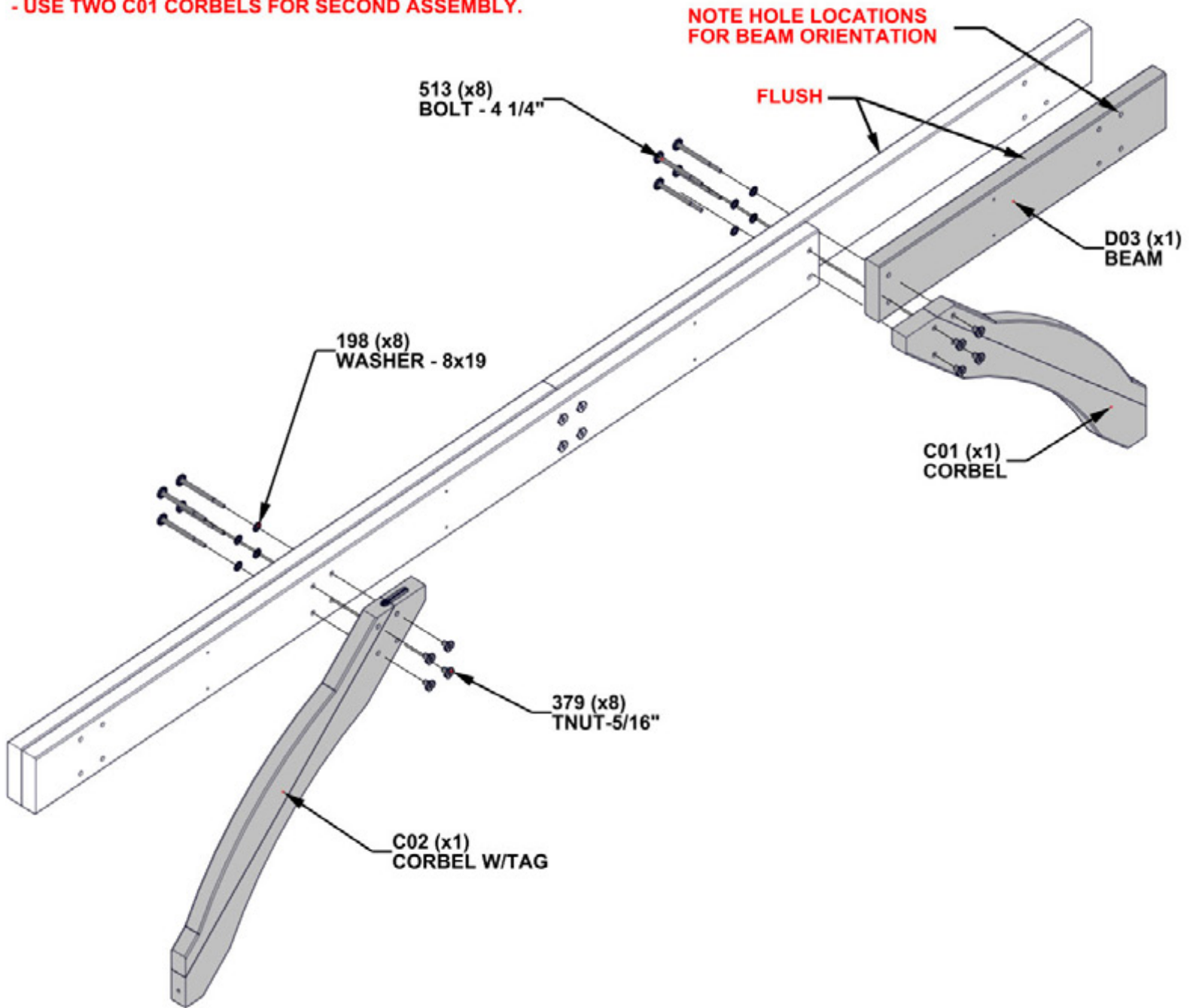


C02 CORBEL W/TAG - W2A03199  
(x1) 1 7/16"x6 7/16"x35 1/8" (36x163x784)



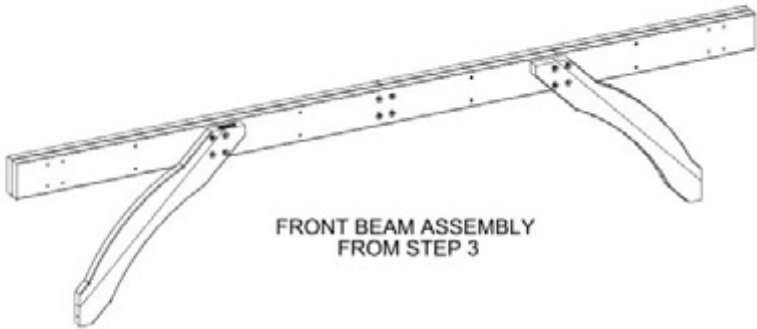
D03 BEAM - W4L20231  
(x1) 1 7/16"x5 1/4"x29 15/16" (36x134x760)

- INSTALL T-NUTS FIRST.
- USE TWO C01 CORBELS FOR SECOND ASSEMBLY.

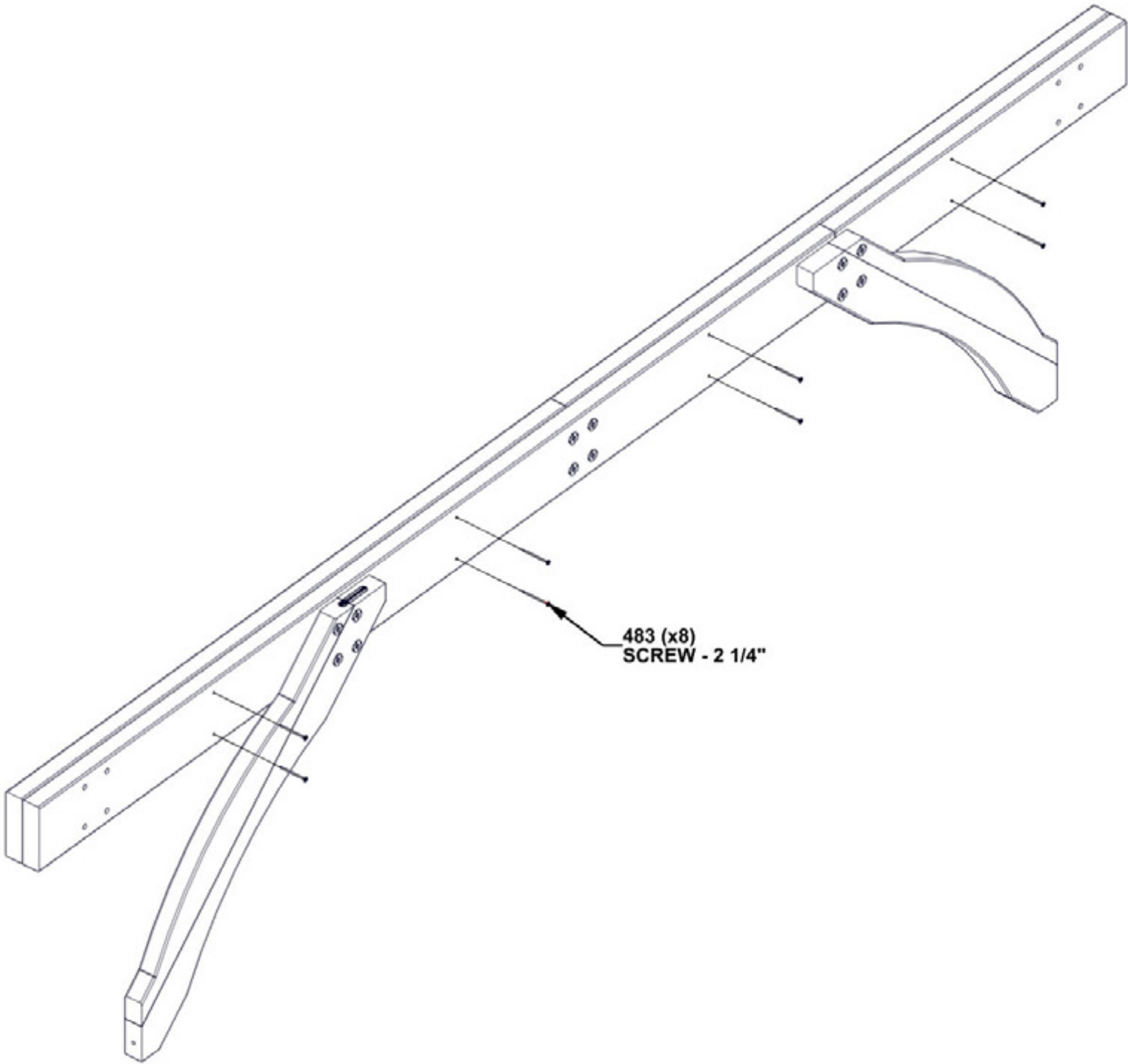


# STEP 4 - 112" BEAM ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
8	H100483	SCREW PFH 8x2 1/4 BLK

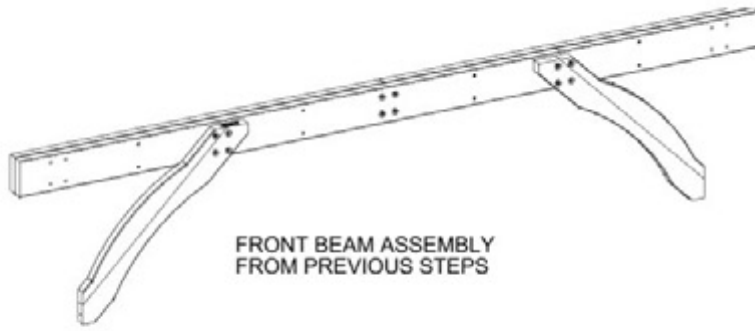


FRONT BEAM ASSEMBLY  
FROM STEP 3





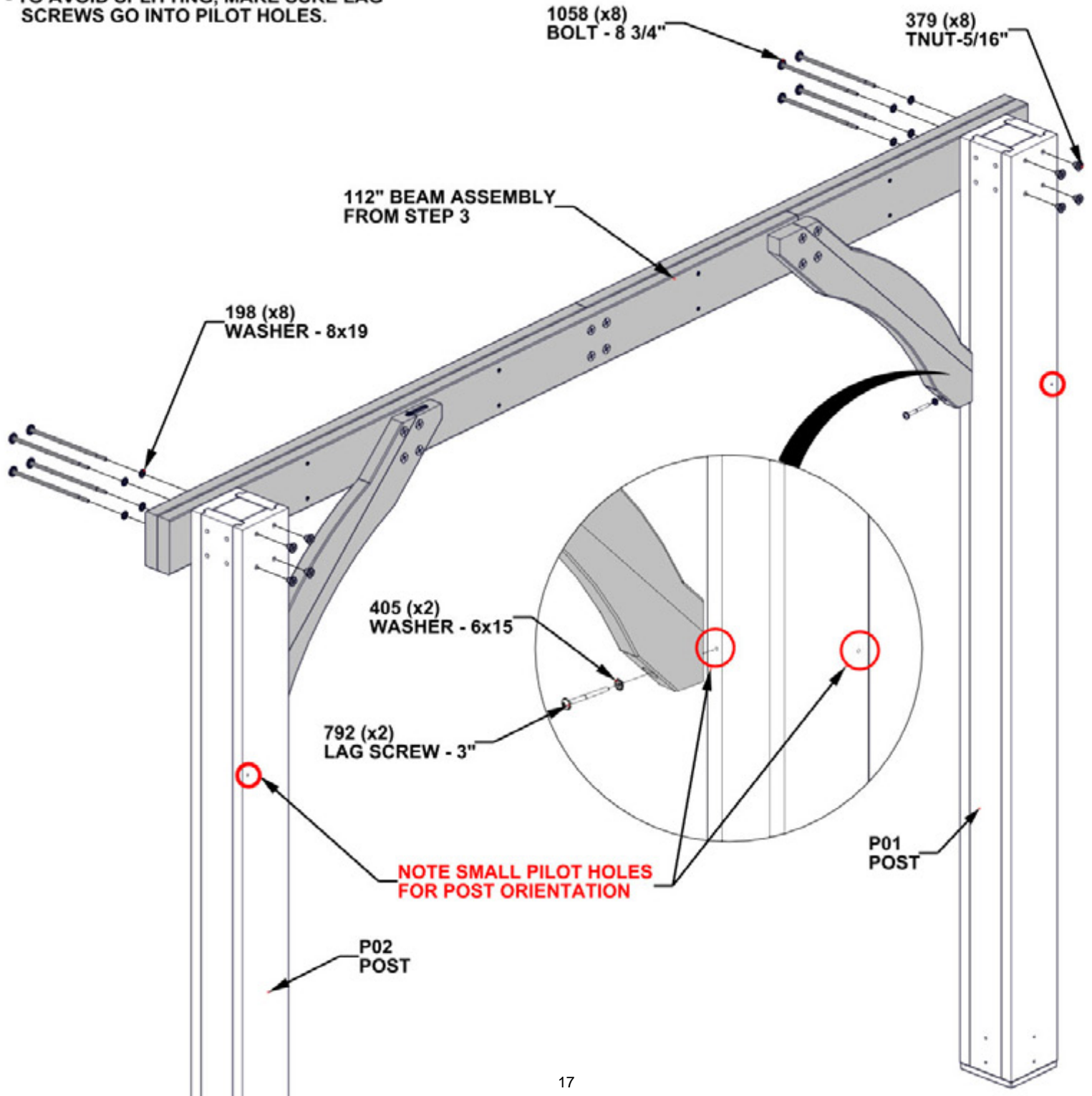
# STEP 5 - 112" BEAM & POST ASSEMBLY



FRONT BEAM ASSEMBLY  
FROM PREVIOUS STEPS

QTY	PART NUMBER	DESCRIPTION
8	H100198	WASHER LOCK EXT 8x19
8	H100379	TNUT-5/16" BLK
2	H100405	WASHER LOCK EXT 6x15
2	H100792	LAG SCREW WH 1/4x3 BLK
8	H101058	BOLT WH 5/16x8 3/4 BLK

- INSTALL T-NUTS FIRST.
- INSERT BOLTS BEFORE LAG SCREWS.
- TO AVOID SPLITTING, MAKE SURE LAG SCREWS GO INTO PILOT HOLES.



**REPEAT PREVIOUS STEPS 1 – 5 TO BUILD  
SECOND 112” BEAM & POST ASSEMBLY**



# STEP 6 - 106" BEAM ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
4	H100195	BOLT WH 5/16x2 3/4 BLK
4	H100198	WASHER LOCK EXT 8x19
4	H100379	TNUT-5/16" BLK

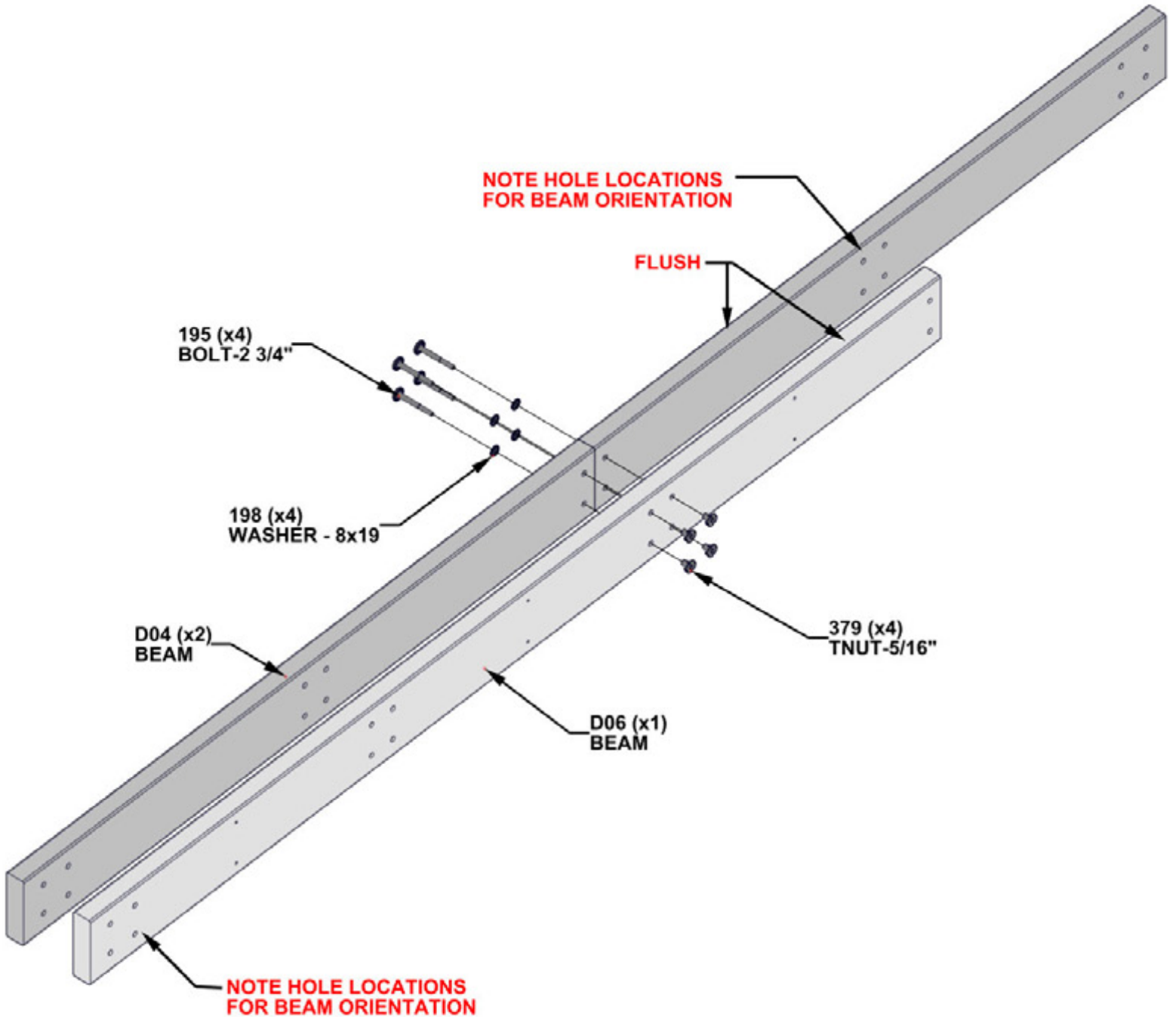


D06 BEAM - W4L20236  
(x1) 1 7/16"x5 1/4"x78 15/16" (36.00x134.00x2004.80)



D04 BEAM - W4L20232  
(x2) 1 7/16"x5 1/4"x53" (36x134x1346)

**- INSTALL T-NUTS FIRST.**



# STEP 7 - 106" BEAM ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
8	H100198	WASHER LOCK EXT 8x19
8	H100379	TNUT-5/16" BLK
8	H100513	BOLT WH 5/16x4 1/4 BLK

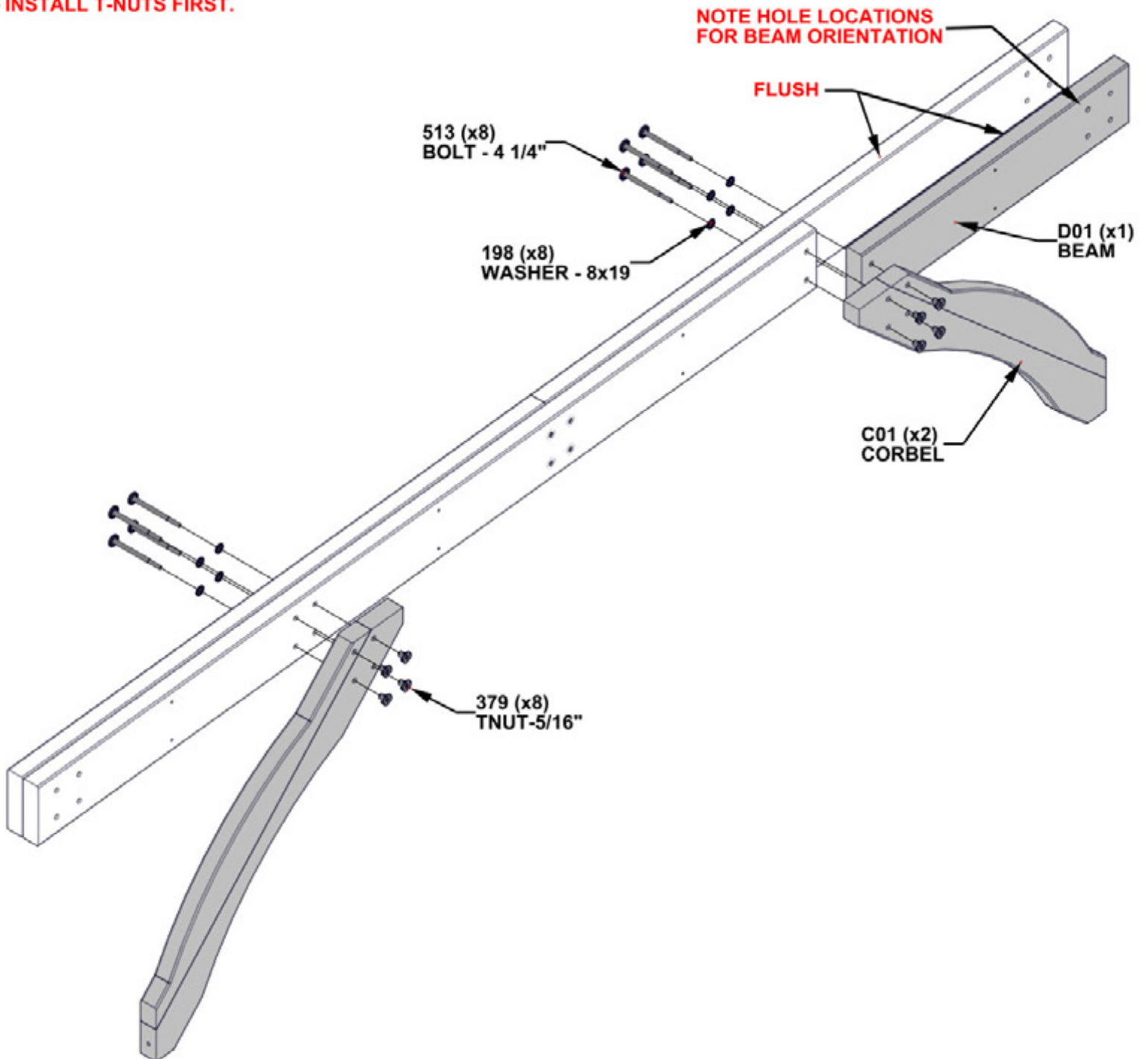


D01 BEAM - W4L20229  
(x1) 1 7/16"x5 1/4"x27 1/16" (36x134x688)



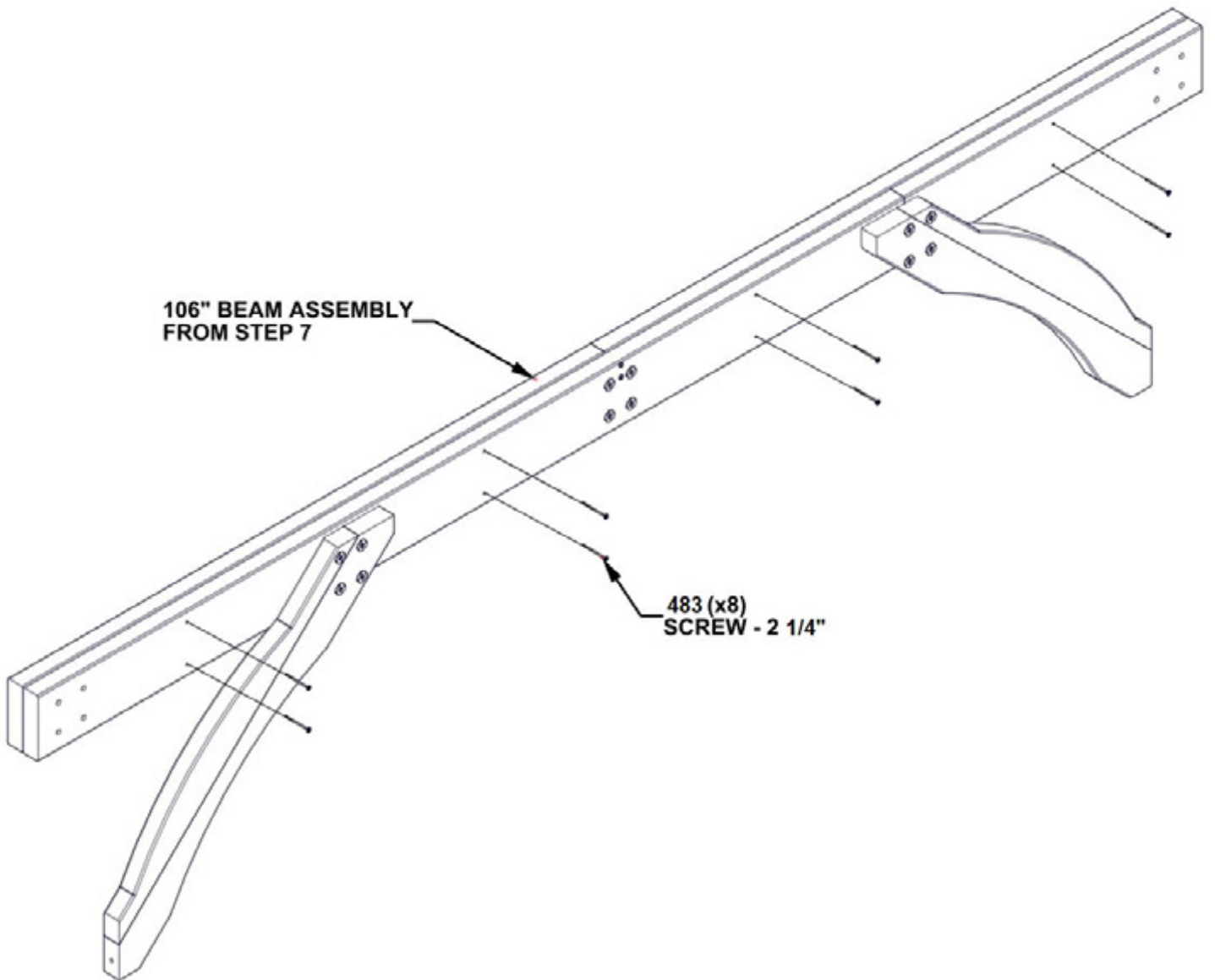
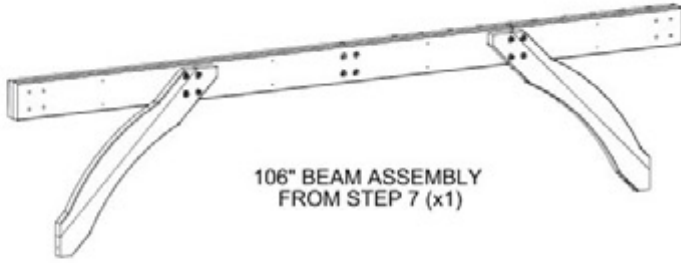
C01 CORBEL - W2A03198  
(x2) 1 7/16"x6 7/16"x35 1/8" (36x163x784)

**- INSTALL T-NUTS FIRST.**



# STEP 8 - 106" BEAM ASSEMBLY

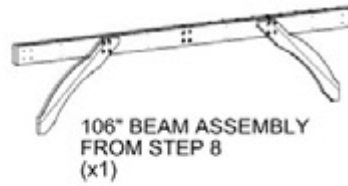
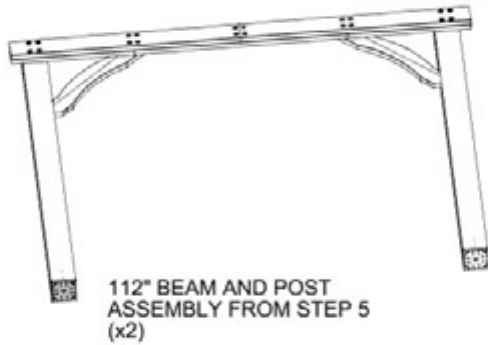
QTY	PART NUMBER	DESCRIPTION
8	H100483	SCREW PFH 8x2 1/4 BLK



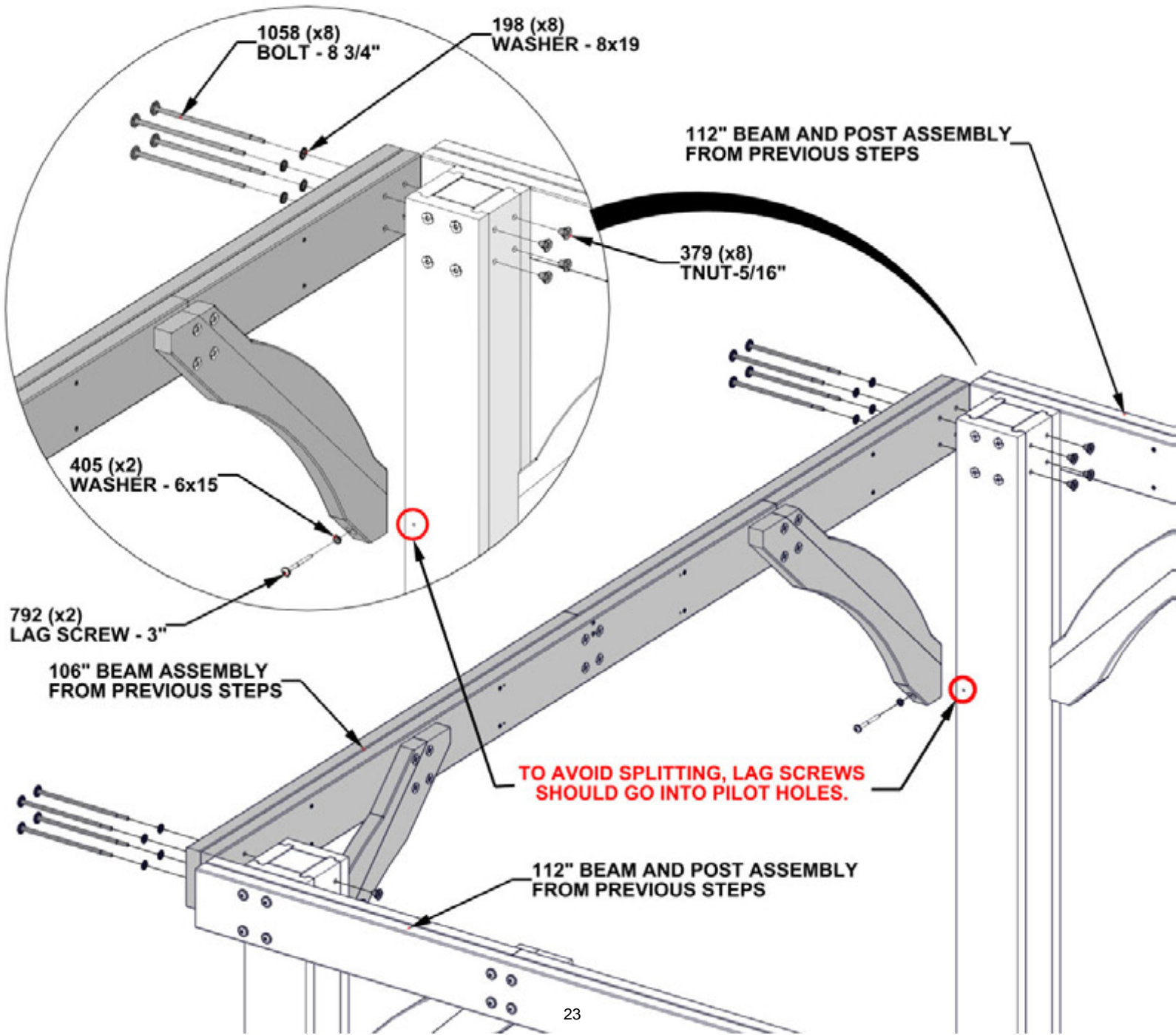
**REPEAT PREVIOUS STEPS 6 – 8 TO BUILD  
SECOND 106” BEAM**

# STEP 9 - GAZEBO ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
8	H100198	WASHER LOCK EXT 8x19
8	H100379	TNUT-5/16" BLK
2	H100405	WASHER LOCK EXT 6x15
2	H100792	LAG SCREW WH 1/4x3 BLK
8	H101058	BOLT WH 5/16x8 3/4 BLK



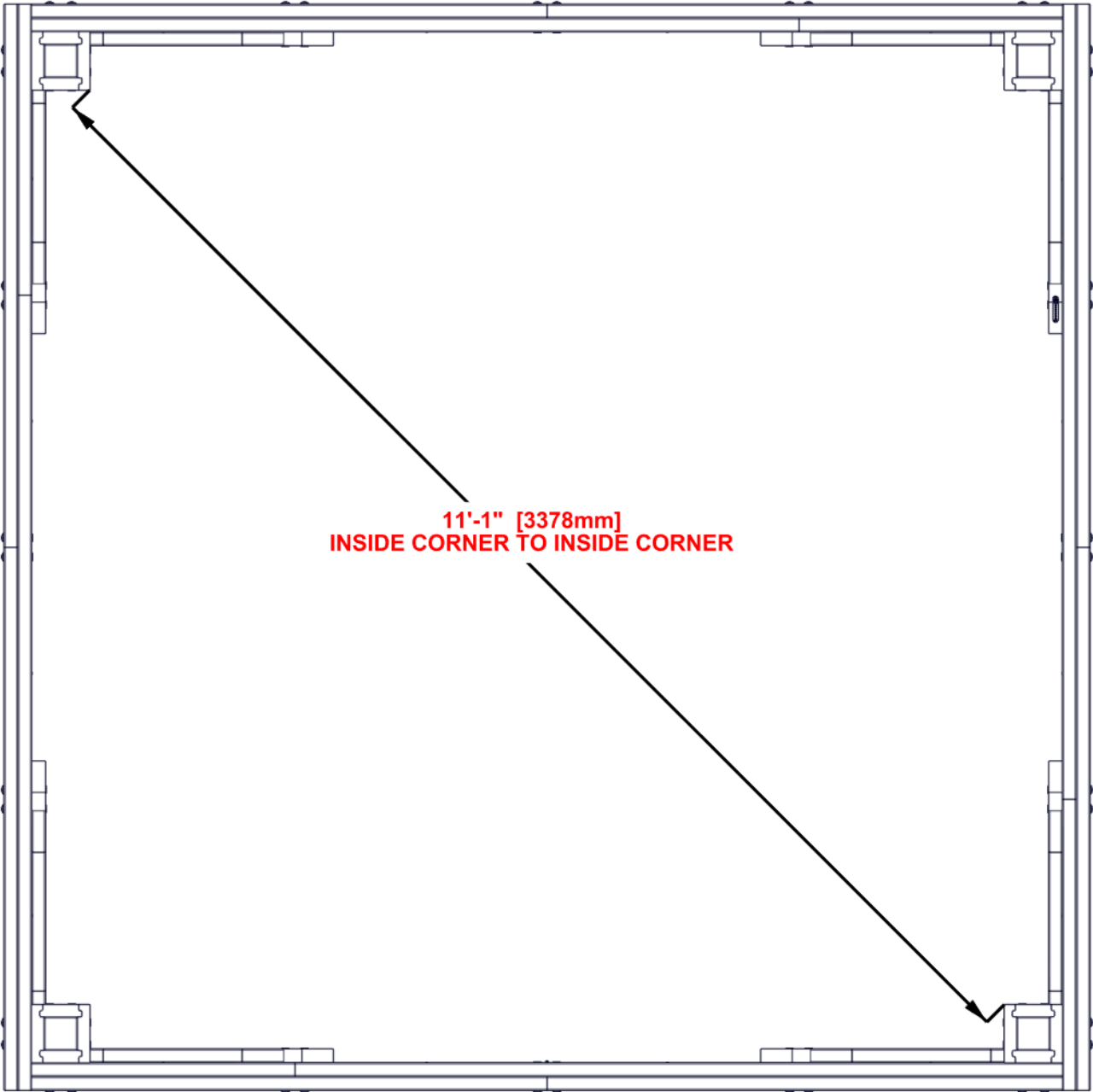
- **INSTALL T-NUTS FIRST.**
- **HAND TIGHTEN ONLY.**
- **3 PEOPLE ARE HELPFUL FOR THIS STEP.**
- **MOVE THE POST ASSEMBLIES TO THEIR FINAL LOCATION WITH SOMEONE HOLDING EACH ASSEMBLY UPRIGHT.**
- **USING A THIRD PERSON, CONNECT THE 106" BEAM ASSEMBLY TO THE POSTS TO MAKE THE GAZEBO FRAME.**



**REPEAT PREVIOUS STEP 9 TO ATTACH SECOND 106"  
BEAM ASSEMBLY TO POST ASSEMBLIES**

# STEP 10 - SQUARE ASSEMBLY

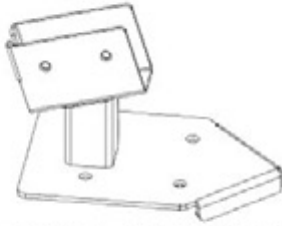
**CRITICAL: SQUARE UNIT BEFORE PROCEEDING TO NEXT STEPS.  
ONCE SQUARE, TIGHTEN ALL HARDWARE.**





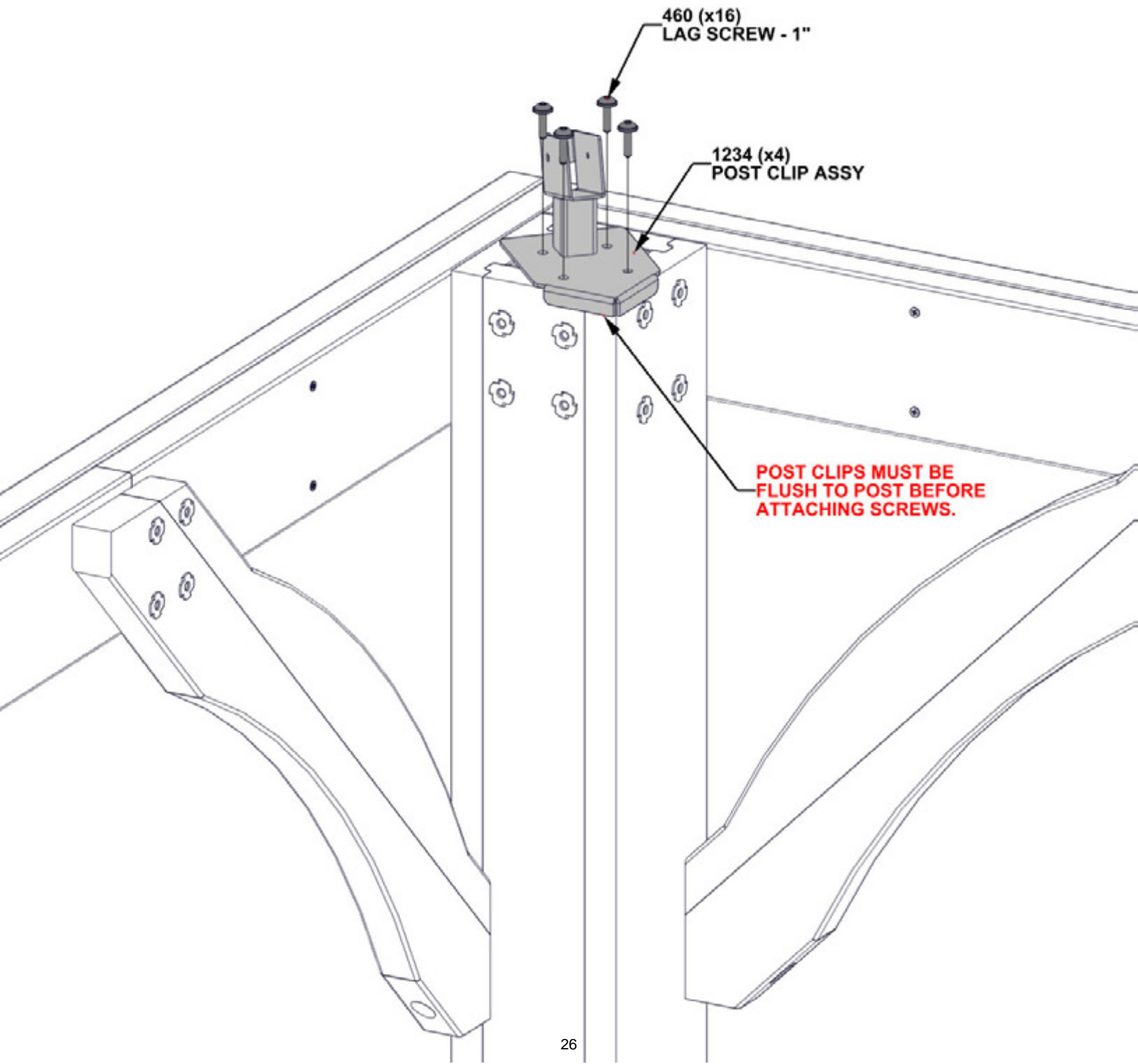
# STEP 11 - ROOF SUPPORT ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
16	H100460	LAG SCREW WH 1/4x1 BLK



A4M01234 POST CLIP ASSY  
(x4)

- REPEAT ON ALL FOUR POST.
- DO NOT OVERTIGHTEN.

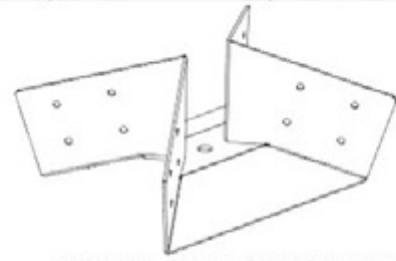


# STEP 12 - ROOF SUPPORT ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
4	H100379	T-NUT 5/16 BLK
16	H100385	SCREW PFH 8x1 BLK

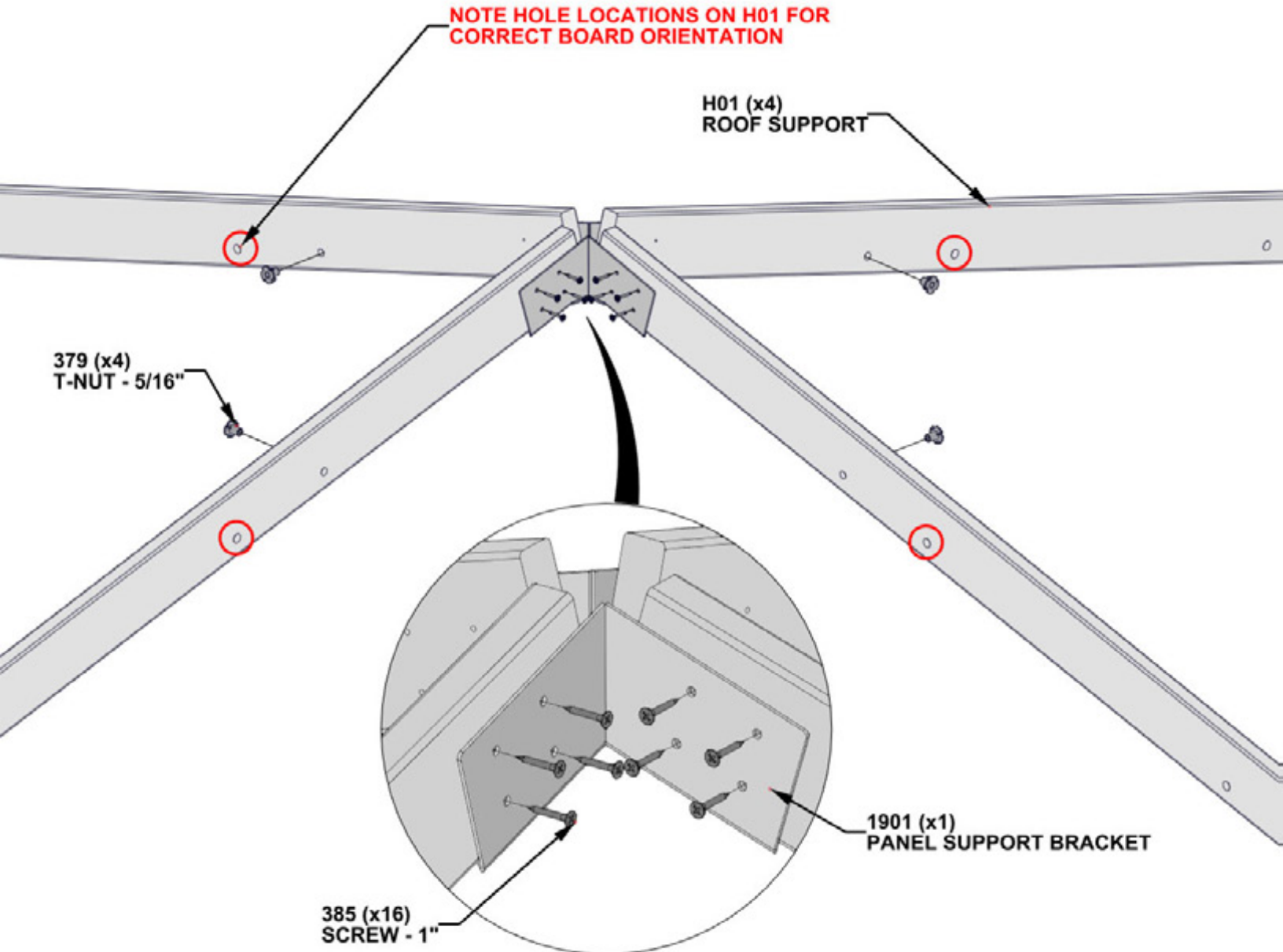


H01 ROOF SUPPORT - W4L16781  
(x4) 15/16"x3 3/8"x75 3/16" (24x86x1909)



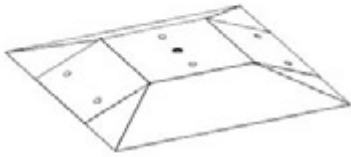
A4M01901 PANEL SUPPORT BRACKET  
(x1)

- INSERT T-NUTS FIRST.
- CORRECT T-NUT PLACEMENT IS CRITICAL IN FUTURE STEPS.



# STEP 13 - ROOF SUPPORT ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
1	H100354	BOLT WH 5/16x6 1/2 BLK
1	H101285	EYE NUT

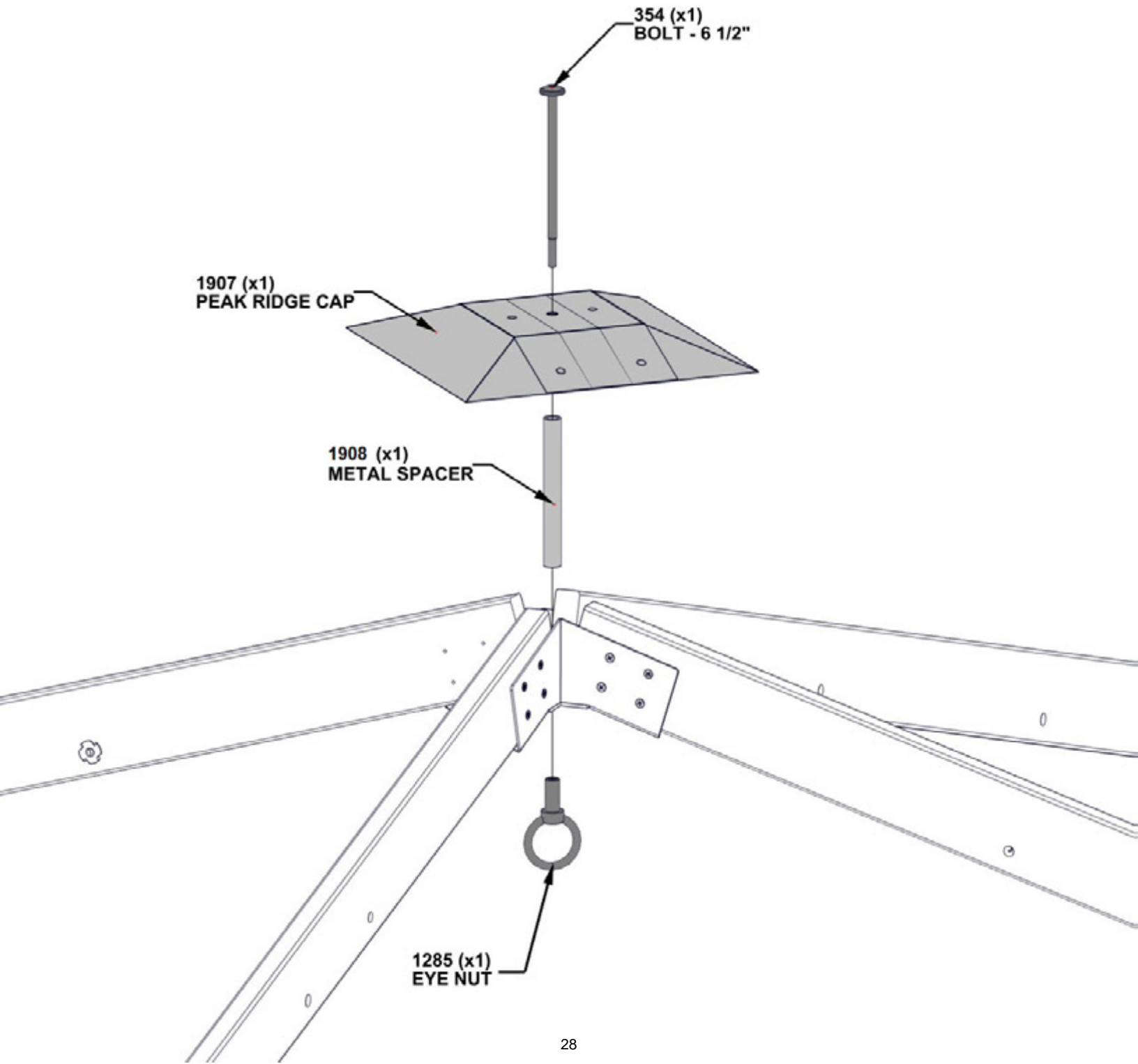


A4M01907 PEAK RIDGE CAP  
(x1)



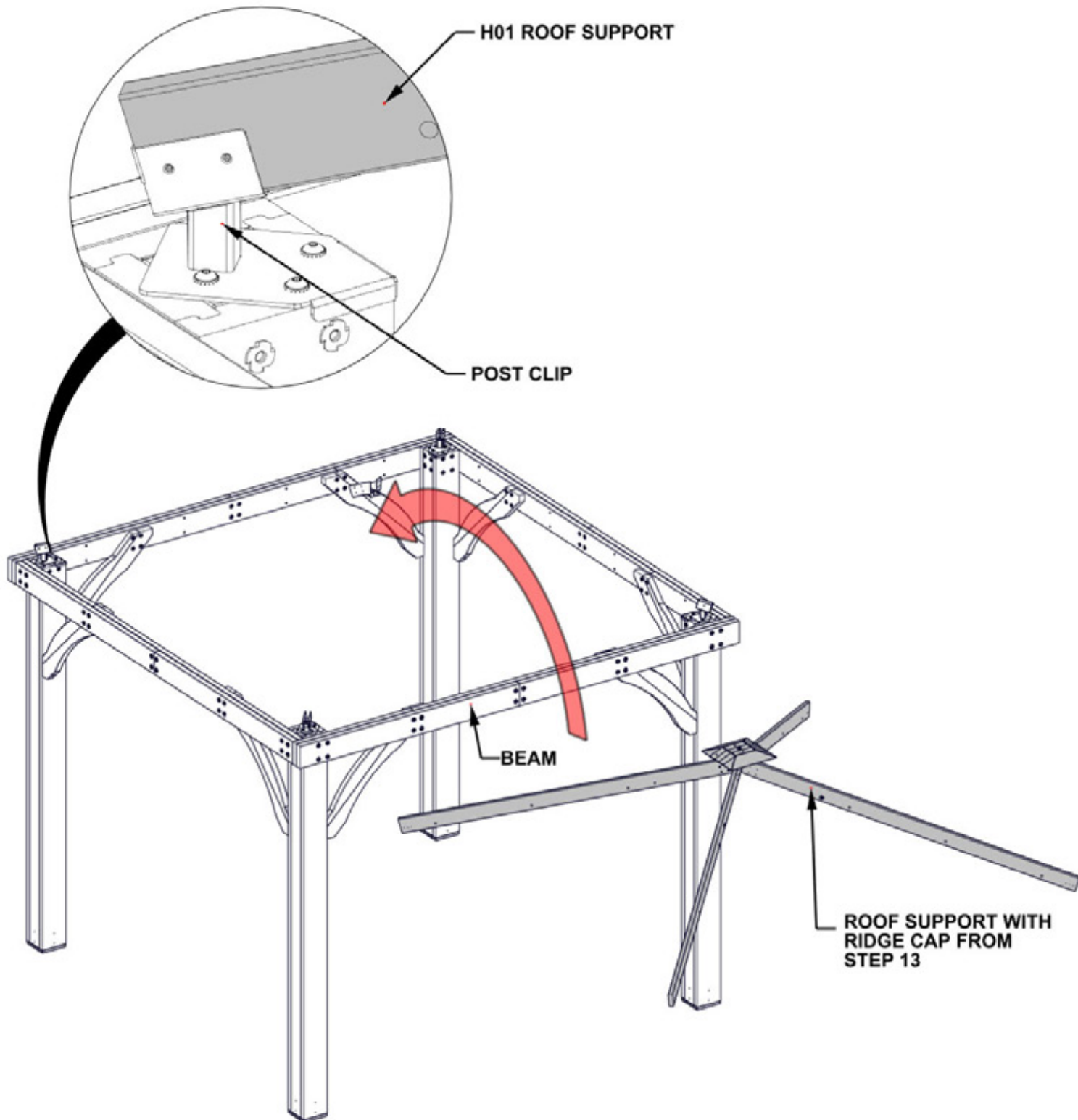
A4M01908 METAL SPACER  
(x1)

- GLOVES ARE RECOMMENDED WHEN HANDLING STEEL ROOF PIECES.
- REMOVE PROTECTIVE BLUE FILM BEFORE ASSEMBLY.



# STEP 14 - ROOF SUPPORT ASSEMBLY

- 3 PEOPLE ARE RECOMMENDED FOR THIS STEP.
- POSITION 1 PERSON ON A LADDER IN THE CENTER.
- LIFT ROOF SUPPORT UP AND OVER BEAMS AND INSERT INTO CORNER POST CLIPS.

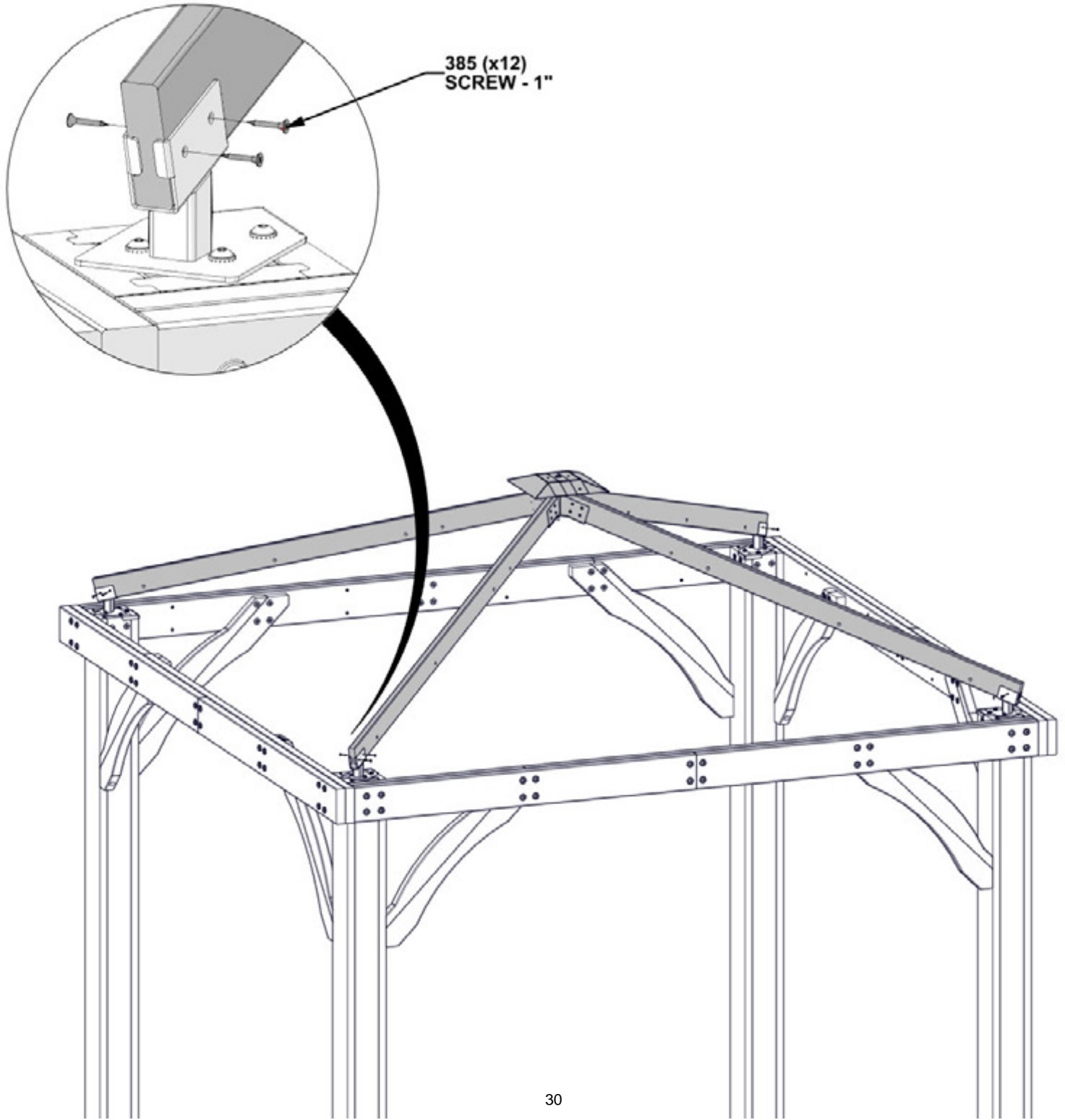




# STEP 15 - ROOF SUPPORT ASSEMBLY

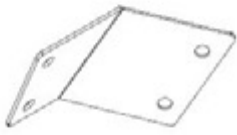
QTY	PART NUMBER	DESCRIPTION
12	H100385	SCREW PFH 8x1 BLK

- REPEAT ON ALL POSTS

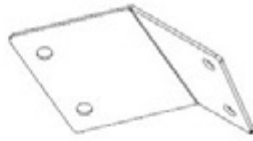


# STEP 16 - SIDE ROOF PANEL ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
4	H100171	BOLT WH 1/4x1 BLK
4	H100398	TNUT-1/4" BLK



A4M01664 PANEL BRACKET  
(x1)

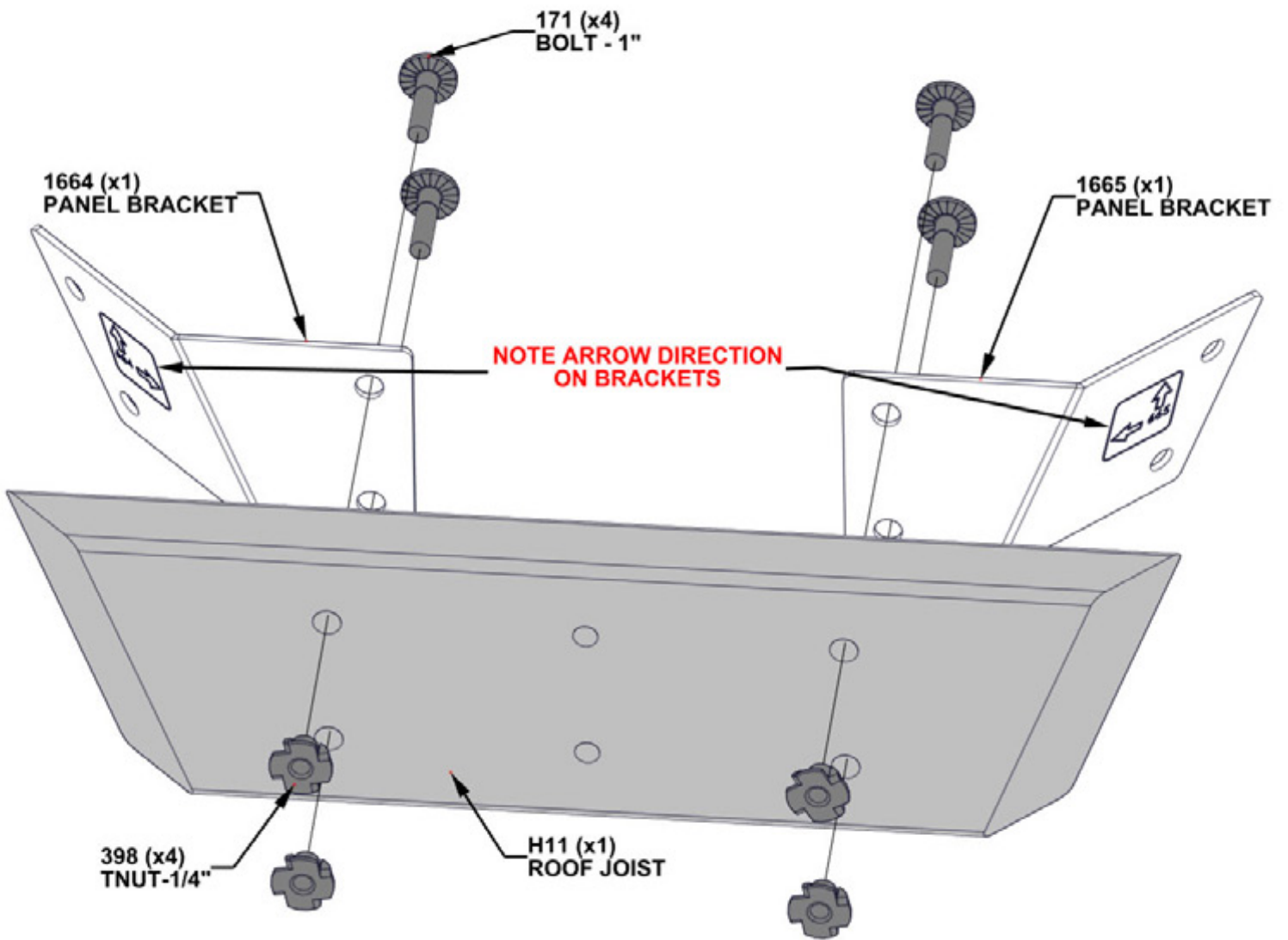


A4M01665 PANEL BRACKET  
(x1)



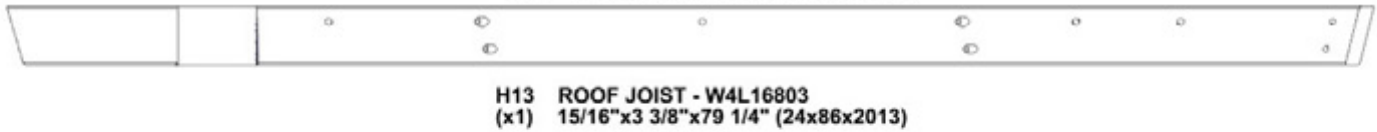
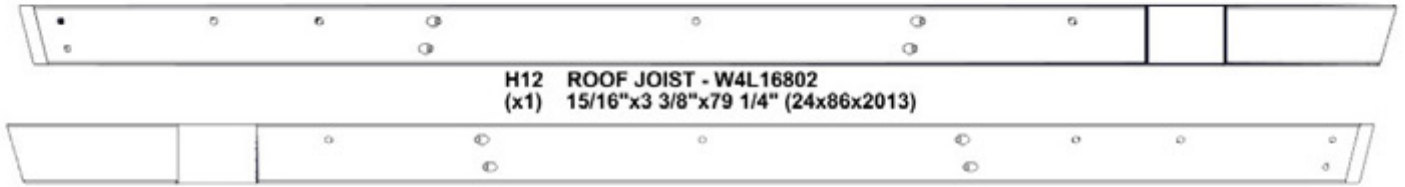
H11 ROOF JOIST - W4L16801  
(x1) 15/16"x3 3/8"x12 15/16" (24x86x328)

**- INSERT T-NUTS FIRST**

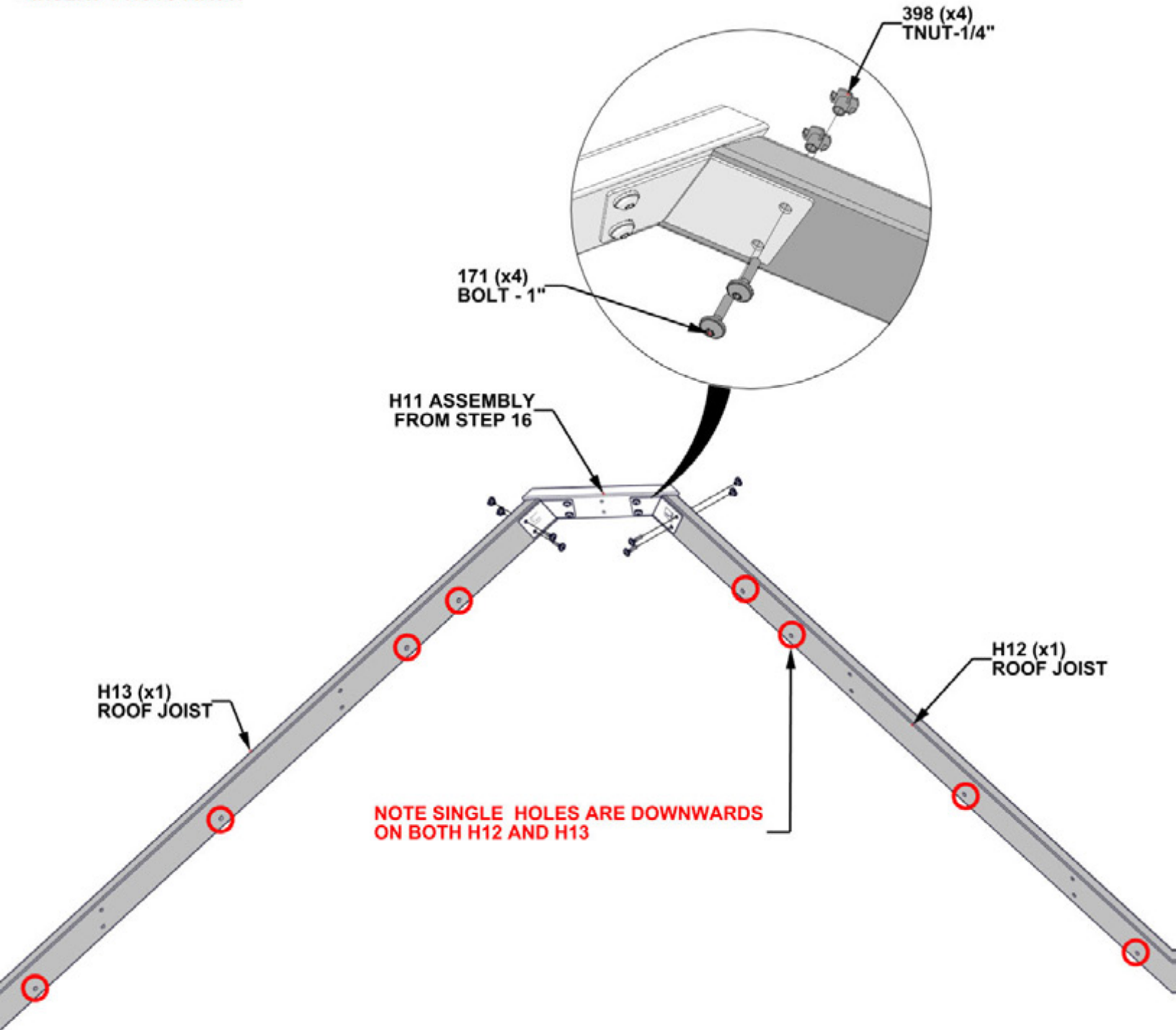


# STEP 17 - SIDE ROOF PANEL ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
4	H100171	BOLT WH 1/4x1 BLK
4	H100398	TNUT-1/4" BLK



**- INSERT T-NUTS FIRST.**





# STEP 18 - SIDE ROOF PANEL ASSEMBLY



E08 RAFTER - W4L16804  
(x1) 1 7/16"x3 3/8"x57 1/2" (36x86x1460)



E09 RAFTER - W4L20727  
(x1) 1 7/16"x3 3/8"x41 3/16" (36x86x1047)



E10 RAFTER - W4L16806  
(x1) 1 7/16"x3 3/8"x20 3/4" (36x86x527)

QTY	PART NUMBER	DESCRIPTION
10	H101030	SCREW CONFIRMAT 7x2 BLK



E11 RAFTER - W4L20728  
(x1) 36x86x1047 (36x86x1047)

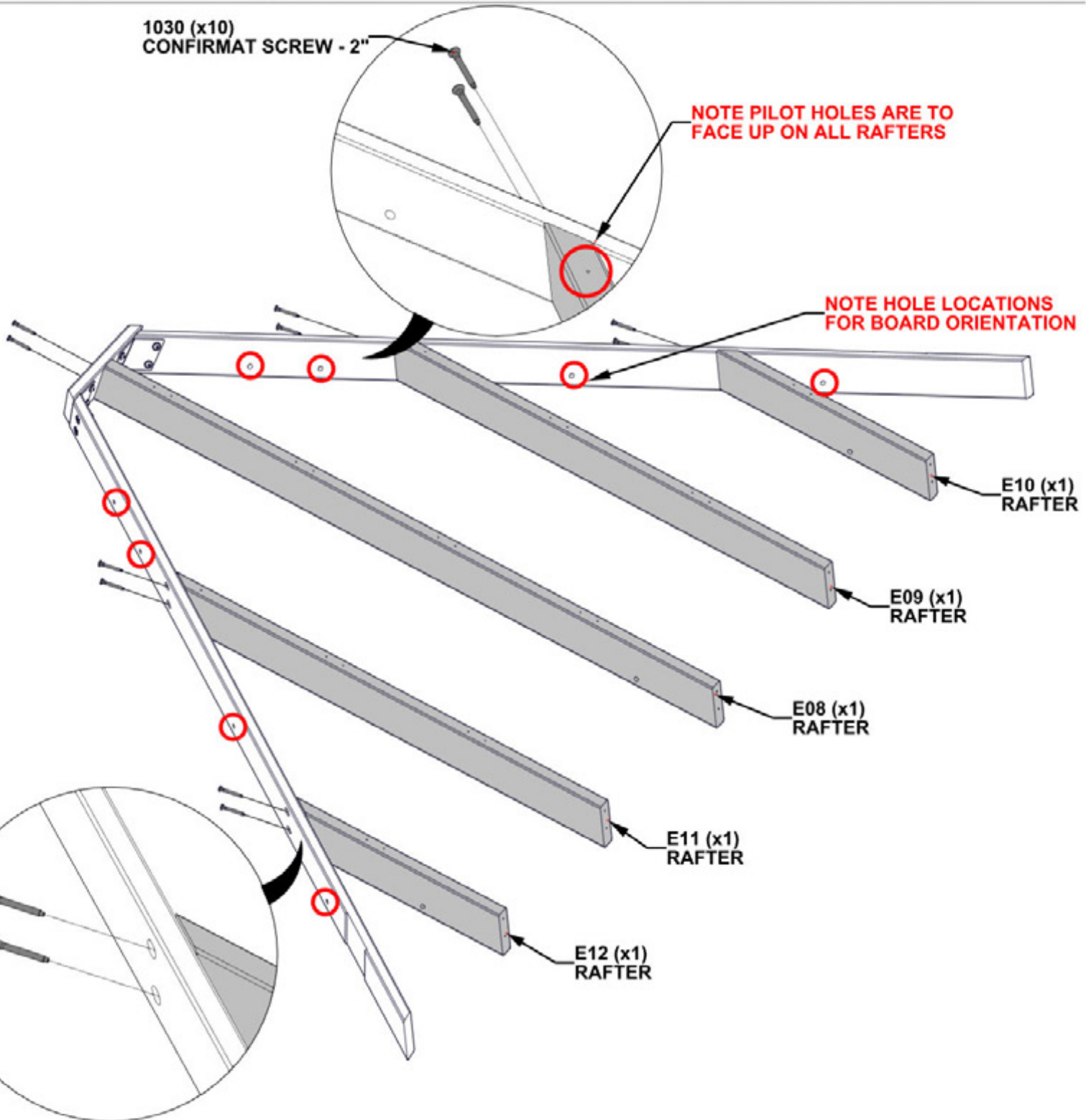


E12 RAFTER - W4L16808  
(x1) 1 7/16"x3 3/8"x20 3/4" (36x86x527)

1030 (x10)  
CONFIRMAT SCREW - 2"

NOTE PILOT HOLES ARE TO FACE UP ON ALL RAFTERS

NOTE HOLE LOCATIONS FOR BOARD ORIENTATION

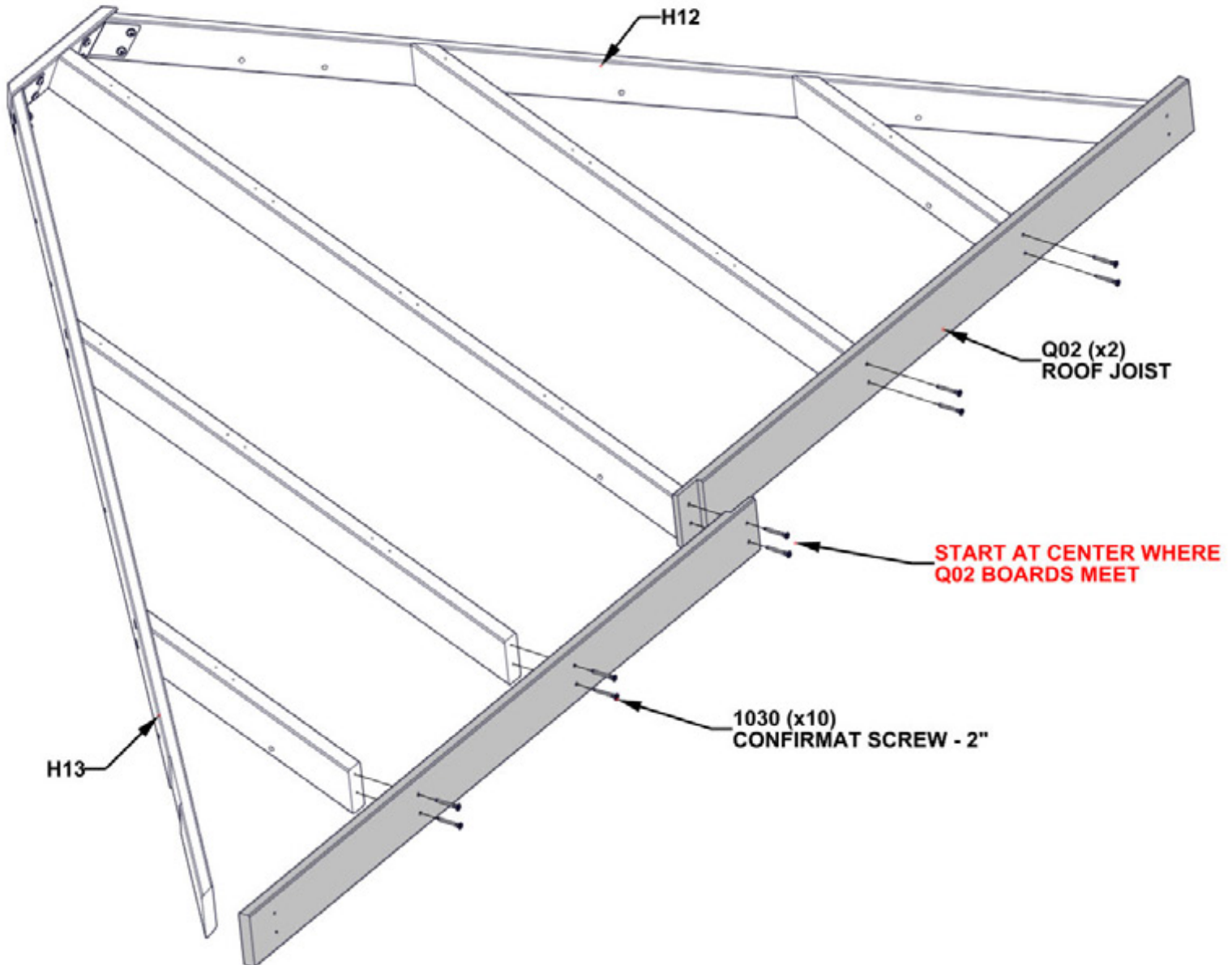


# STEP 19 - SIDE ROOF PANEL ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
10	H101030	SCREW CONFIRMAT 7x2 BLK



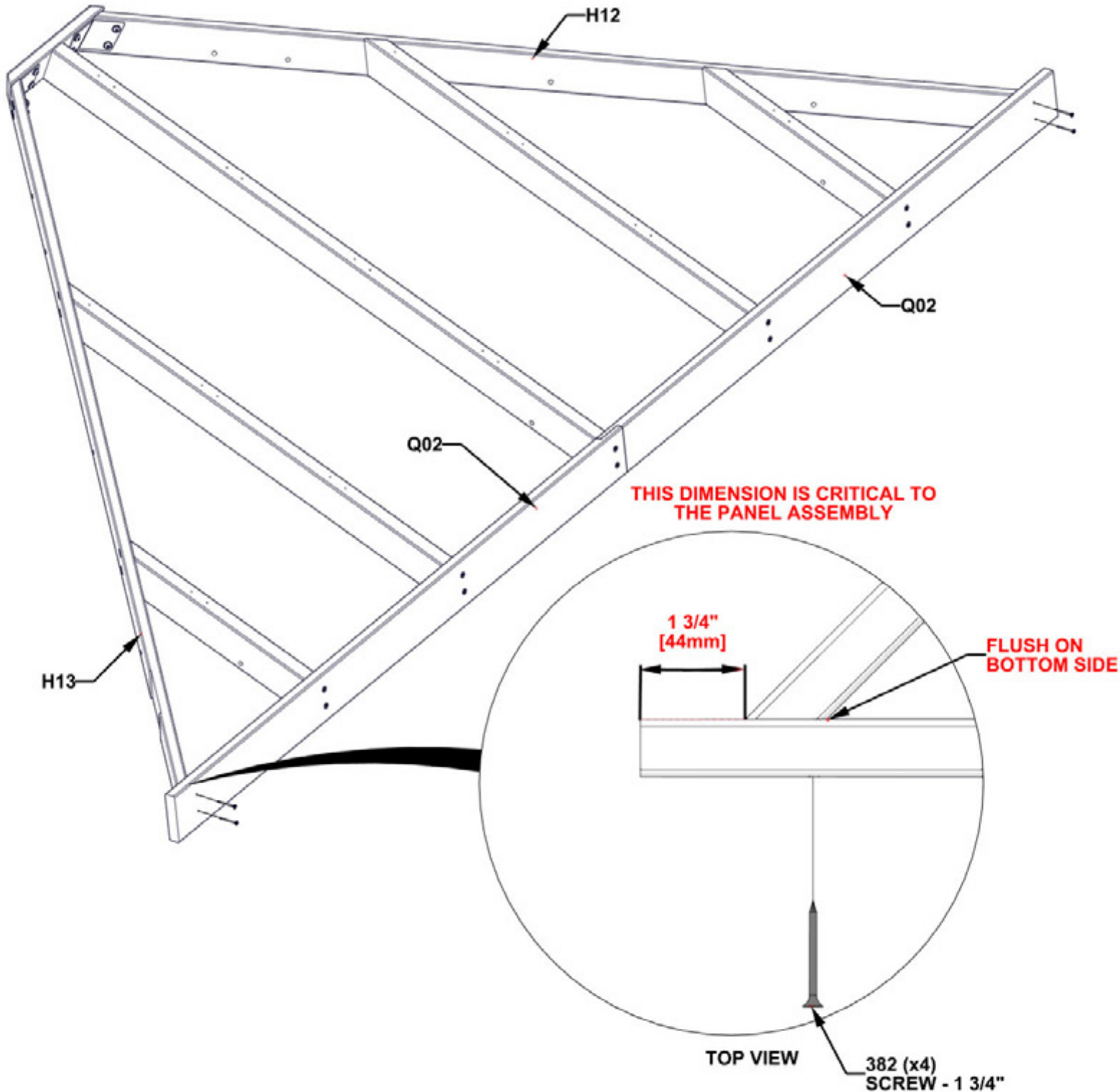
**Q02 ROOF JOIST - W4L16800**  
 (x2) 15/16" x 4 7/16" (24x112x1554)



# STEP 20 - SIDE ROOF PANEL ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
4	H100382	SCREW PFH 8x1 3/4 BLK

- USING THE Q02 BOARDS AS A GUIDE AND A 1/8" [3mm] DRILL BIT, DRILL PILOT HOLES INTO H12 AND H13 BOARDS USING THE DIMENSIONS BELOW.
- RAFTERS MAY NEED TO BE LOOSENED TO ATTACH THE Q02 BOARDS TO H12 AND H13.

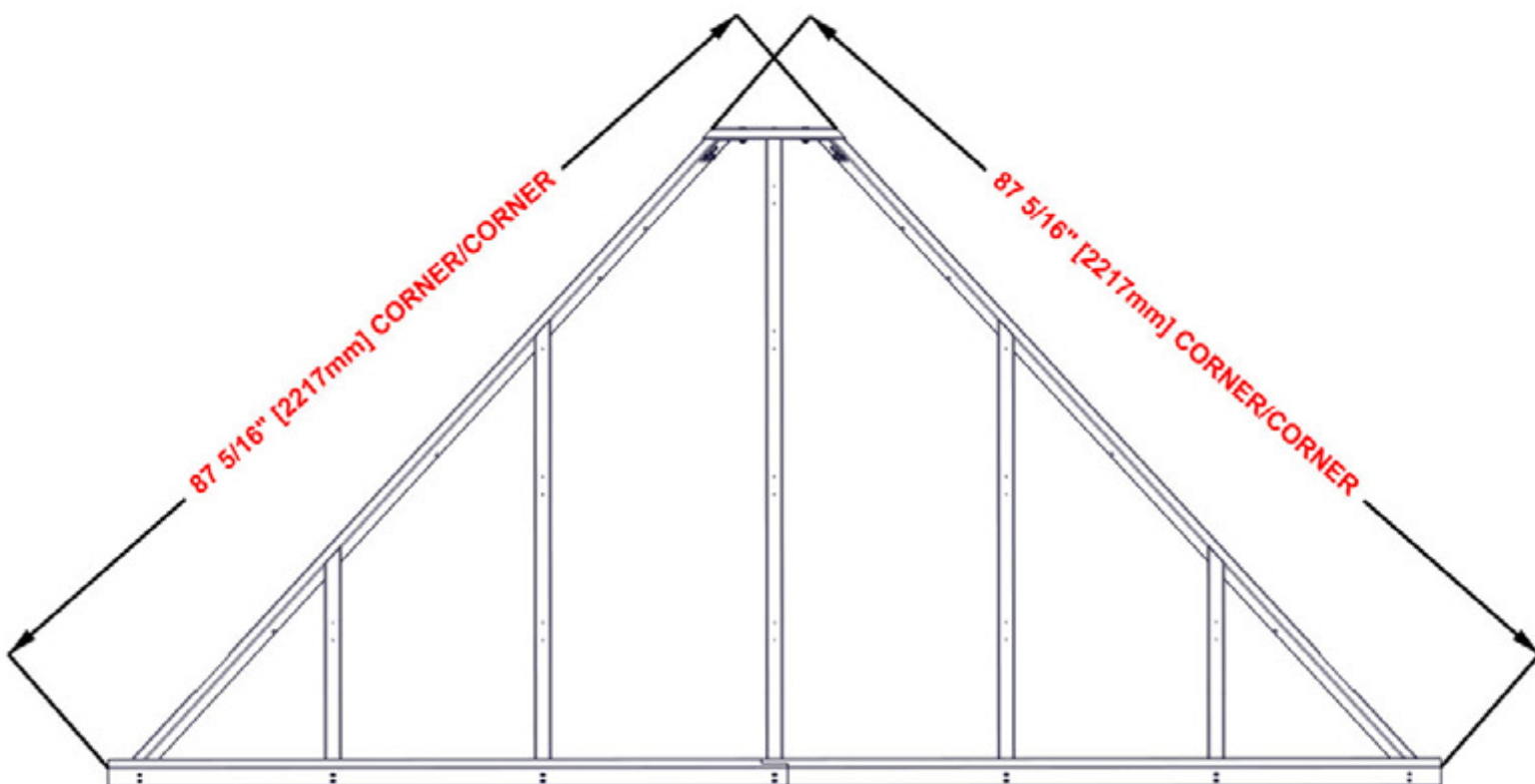


## STEP 21 - SIDE ROOF PANEL ASSEMBLY

- LOOSEN HARDWARE TO ADJUST FOR SQUARING IF NEEDED.

**CRITICAL:**

- SQUARE UNIT BEFORE PROCEEDING TO NEXT STEPS.
- THE BELOW DIMENSIONS ARE CRITICAL TO THE FINAL ROOF ASSEMBLY.
- DIMENSIONS ARE FROM CORNER TO CORNER OF ROOF PANEL.
- MEASUREMENTS SHOULD BE WITHIN  $\pm 1/4"$ .
- MEASUREMENTS OUTSIDE OF TOLERANCE WILL LEAD TO THE INABILITY TO ASSEMBLE THE ROOF.
- ONCE SQUARE, TIGHTEN ALL HARDWARE FROM PREVIOUS STEPS.





# STEP 22 - SIDE ROOF PANEL ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
40	H100391	SCREW PFH 8x2 BLK

H14 PURLIN - W4L16809  
(x2) 15/16"x3 3/8"x50 13/16" (24x86x1290)

H16 PURLIN - W4L16811  
(x1) 15/16"x3 3/8"x50 11/16" (24x86x1288)

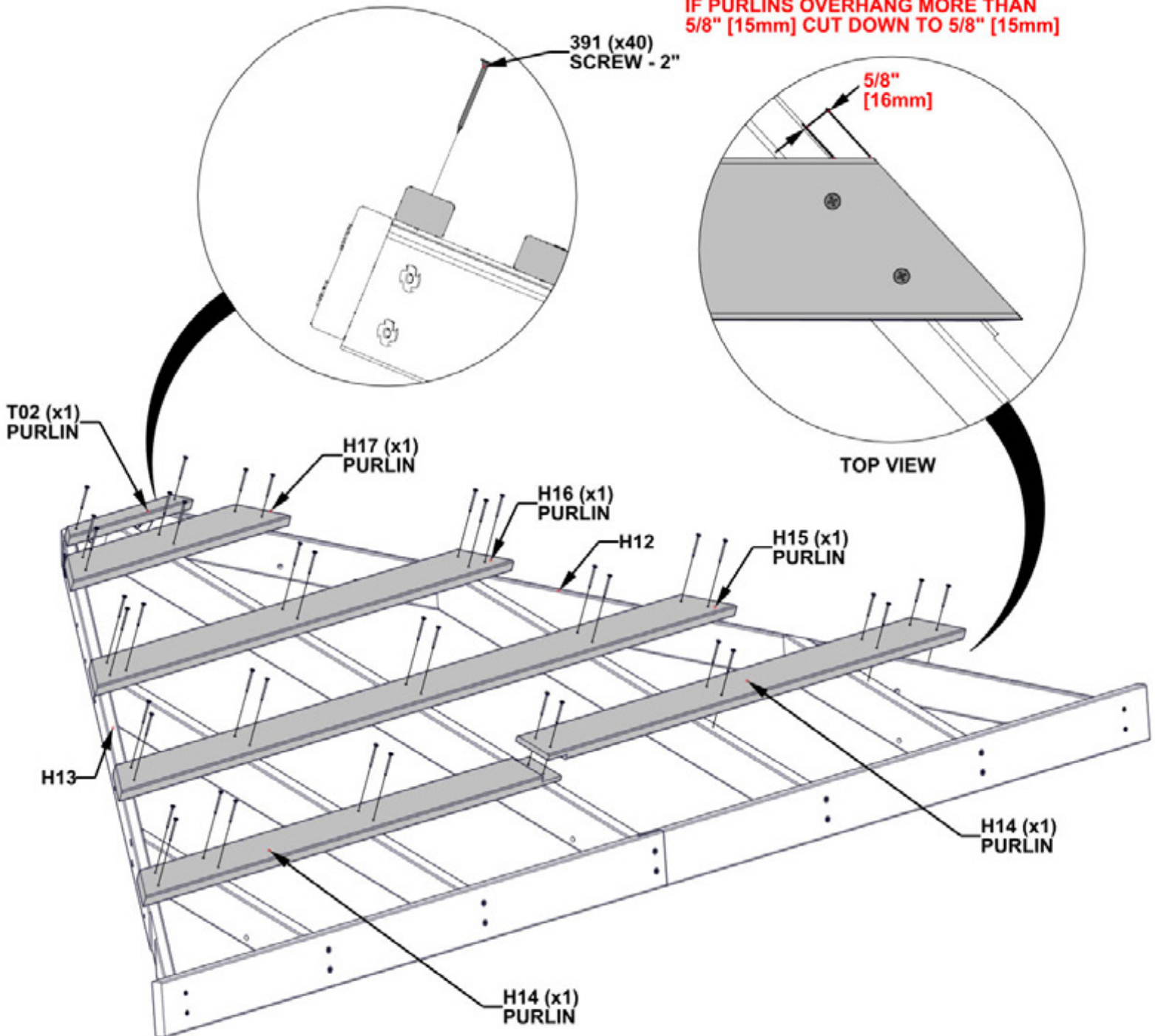
H15 PURLIN - W4L16810  
(x1) 15/16"x3 3/8"x74 15/16" (24x86x1904)

H17 PURLIN - W4L16812  
(x1) 15/16"x3 3/8"x26 1/2" (24x86x673)

T02 PURLIN - W4L16813  
(x1) 15/16"x1 5/16"x15" (24x34x382)

- ALIGN PURLIN PILOT HOLES WITH RAFTER PILOT HOLES.
- ATTACH SCREWS FROM THE CENTER AND WORK OUTWARDS.
- H12 AND H13 BOARDS DO NOT HAVE PILOT HOLES FOR THE OUTSIDE EDGE SCREWS.
- USING THE PURLINS AS A GUIDE AND A 1/8" [3mm] DRILL BIT AND DRILL PILOT HOLES INTO H12 AND H13.

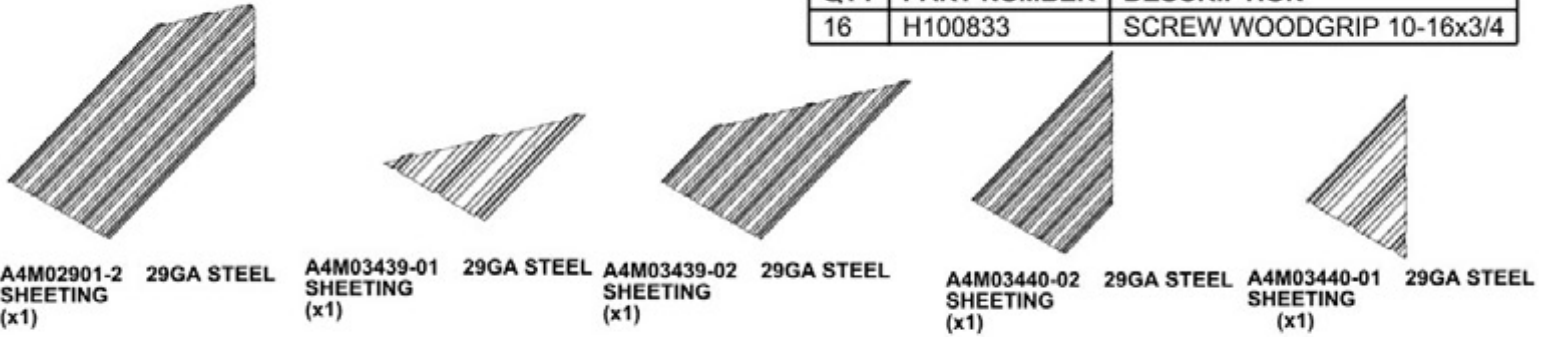
**IF PURLINS OVERHANG MORE THAN 5/8" [15mm] CUT DOWN TO 5/8" [15mm]**





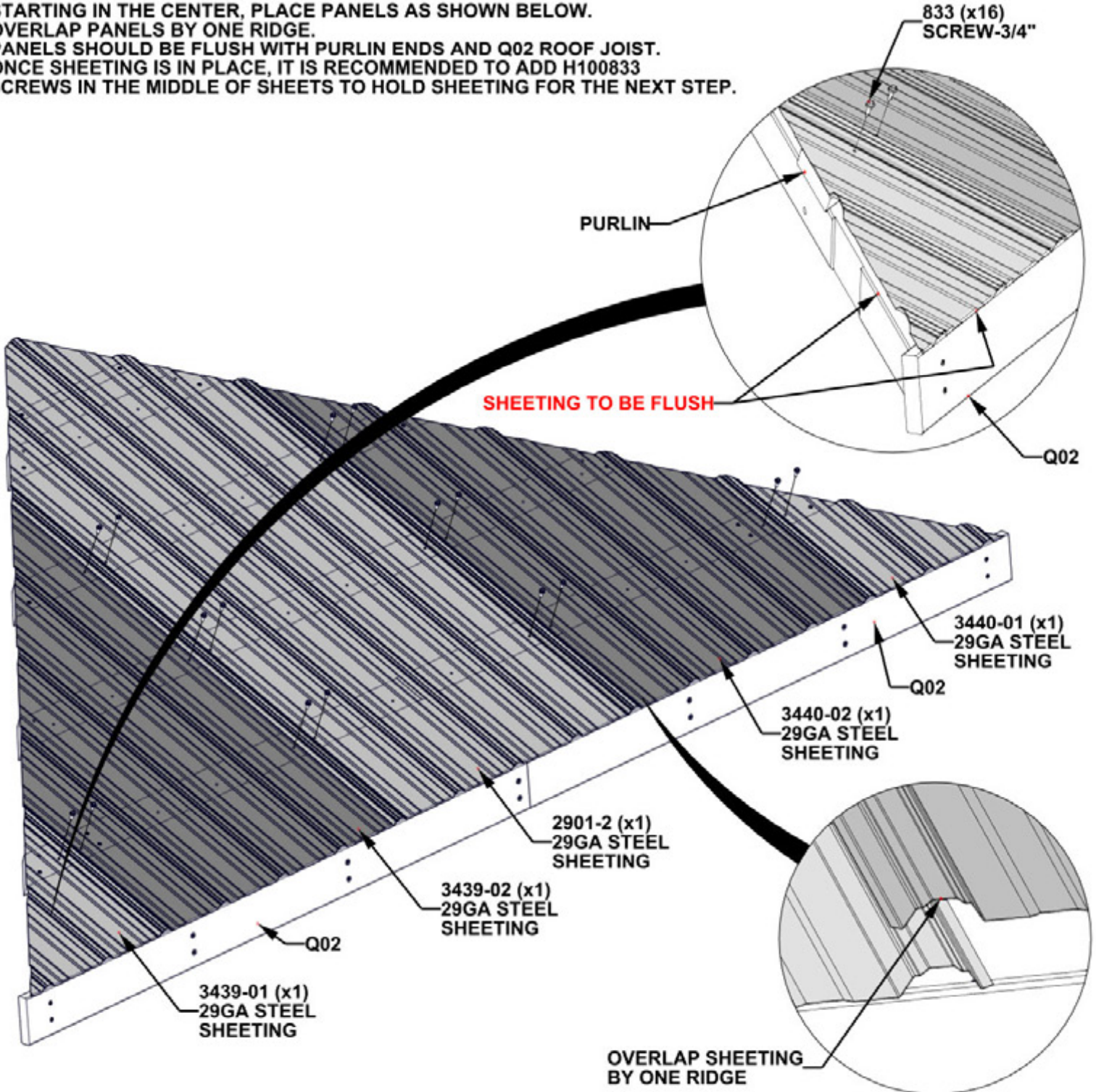
# STEP 23 - SIDE ROOF PANEL ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
16	H100833	SCREW WOODGRIP 10-16x3/4



**- WARNING: GLOVES ARE RECOMMENDED WHEN HANDLING STEEL ROOF PIECES.**

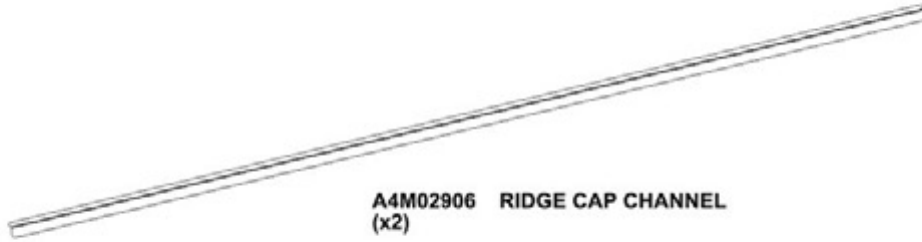
- REMOVE BLUE PROTECTIVE FILM.
- STARTING IN THE CENTER, PLACE PANELS AS SHOWN BELOW.
- OVERLAP PANELS BY ONE RIDGE.
- PANELS SHOULD BE FLUSH WITH PURLIN ENDS AND Q02 ROOF JOIST.
- ONCE SHEETING IS IN PLACE, IT IS RECOMMENDED TO ADD H100833 SCREWS IN THE MIDDLE OF SHEETS TO HOLD SHEETING FOR THE NEXT STEP.



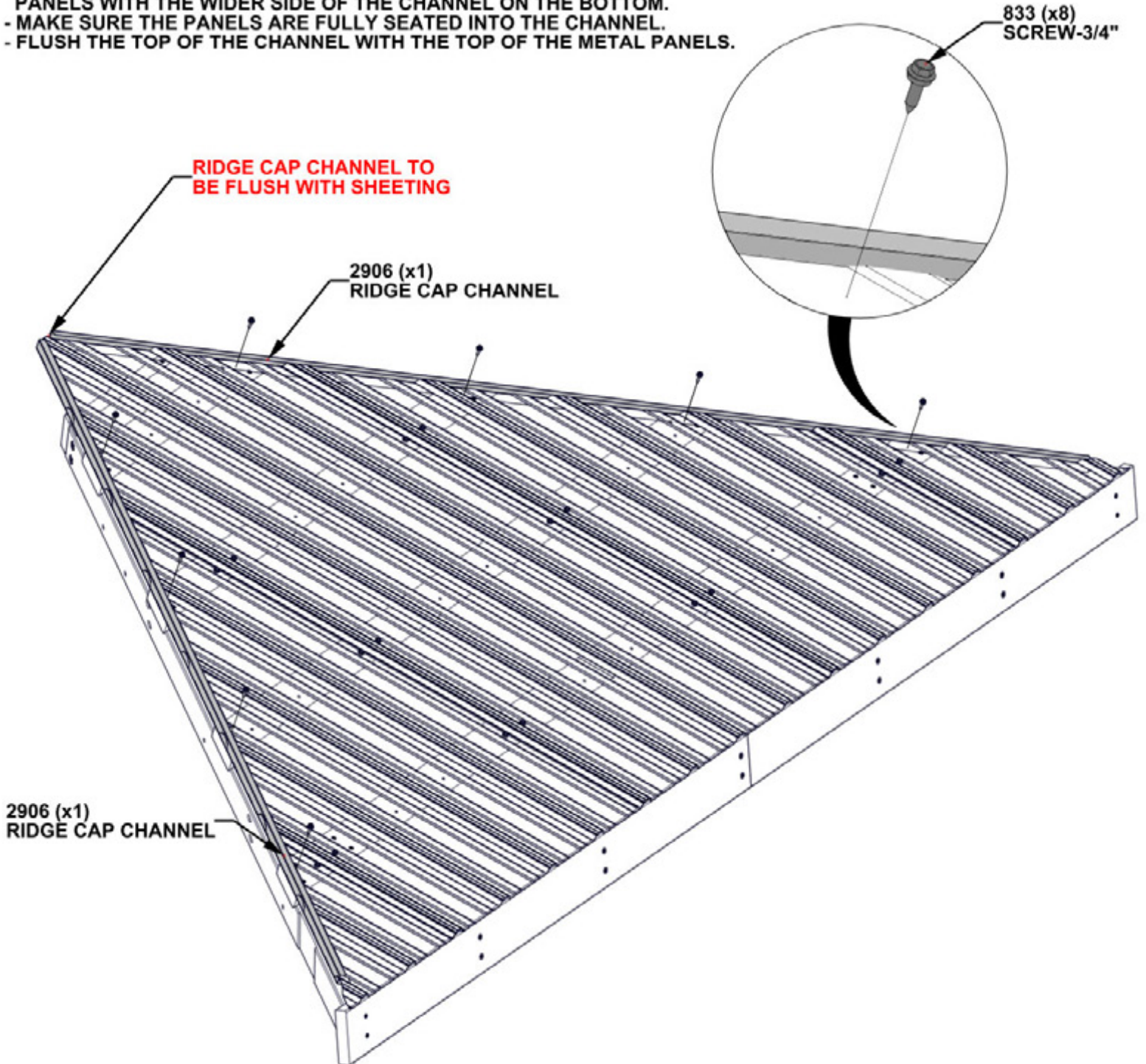


# STEP 24 - SIDE ROOF PANEL ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
8	H100833	SCREW WOODGRIP 10-16x3/4



- REMOVE PROTECTIVE BLUE FILM.
- POSITION THE RIDGE CAP CHANNEL OVER THE EDGE OF THE ROOF PANELS WITH THE WIDER SIDE OF THE CHANNEL ON THE BOTTOM.
- MAKE SURE THE PANELS ARE FULLY SEATED INTO THE CHANNEL.
- FLUSH THE TOP OF THE CHANNEL WITH THE TOP OF THE METAL PANELS.

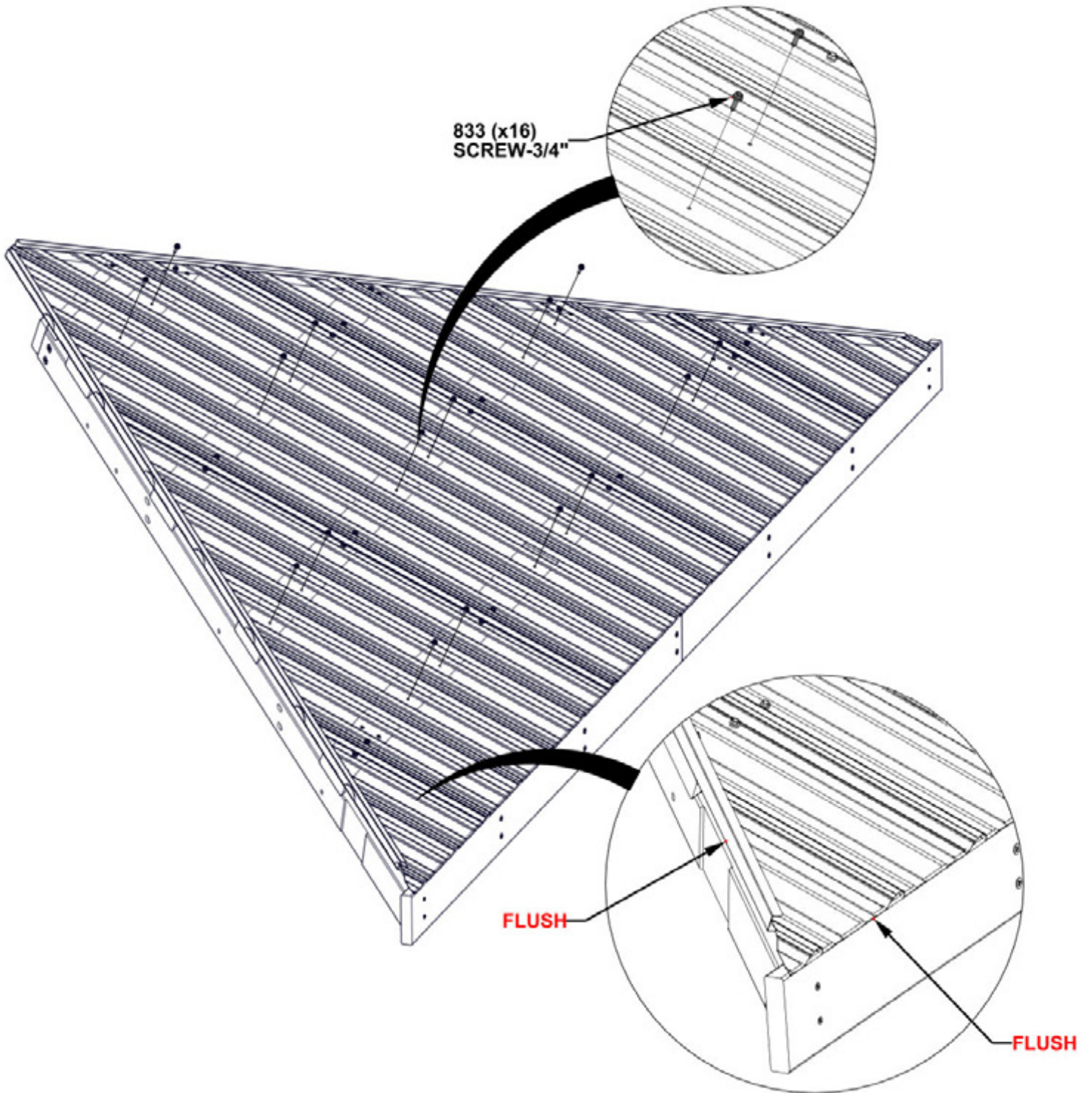




# STEP 25 - SIDE ROOF PANEL ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
16	H100833	SCREW WOODGRIP 10-16x3/4

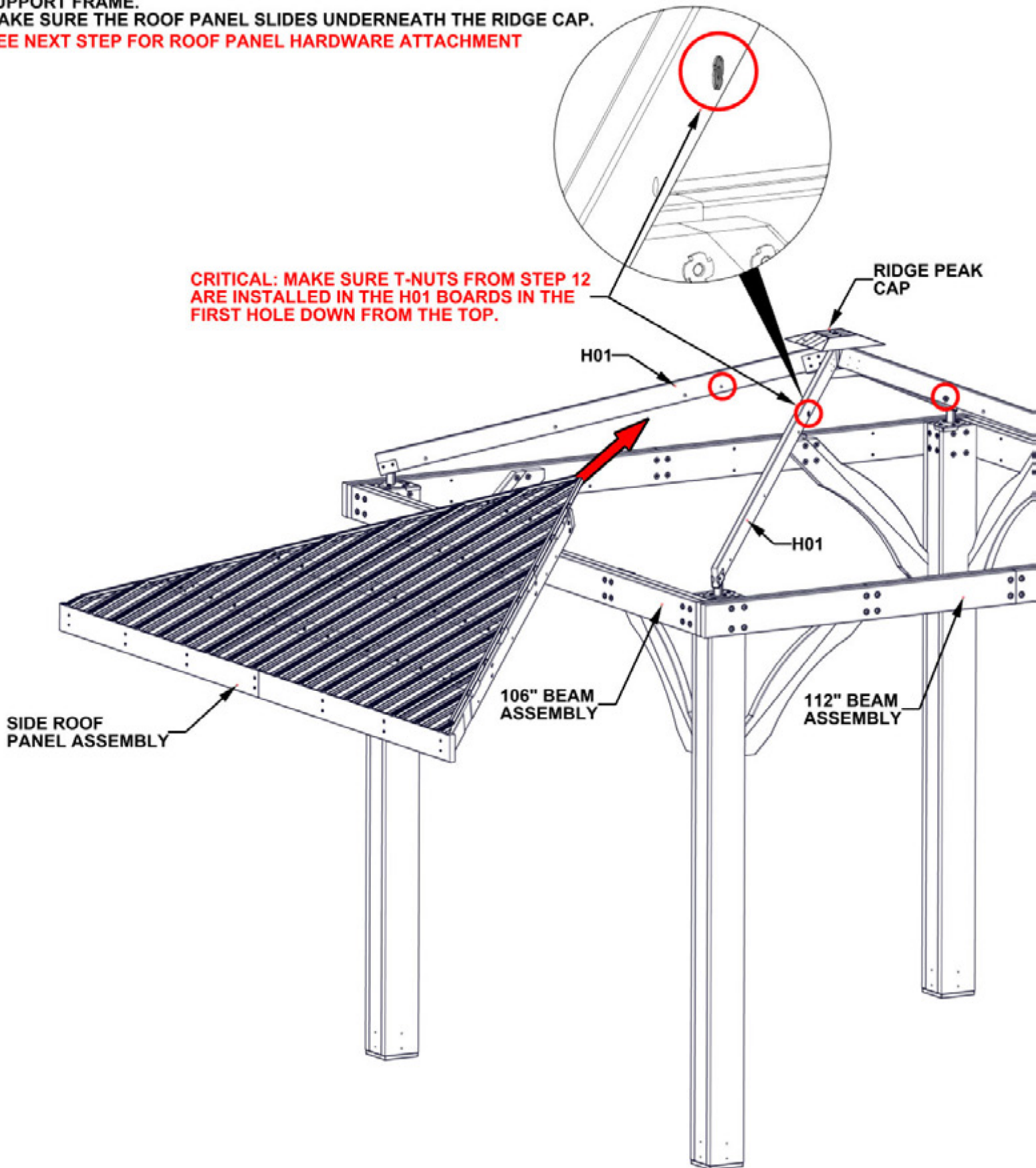
- INSERT REMAINING SCREWS TO FASTEN SHEET METAL IN PLACE.
- MAKE SURE SHEET EDGES ARE FLUSH AS SHOWN.



**REPEAT PREVIOUS STEPS 16 THROUGH 25 TO  
BUILD SECOND SIDE OF ROOF PANEL**

# STEP 26 - ROOF PANEL ATTACHMENT

- **WARNING: GLOVES ARE RECOMMENDED WHEN HANDLING STEEL ROOF PIECES.**
- **THREE PEOPLE ARE RECOMMENDED FOR THIS STEP.**
- **POSITION A PERSON ON A LADDER IN THE CENTER OF THE GAZEBO TO HELP SUPPORT THE ROOF PANEL.**
- **WITH TWO PEOPLE, WORK THE PANEL UP WITHOUT SLIDING OR DRAGGING, UNTIL IT MEETS THE ROOF SUPPORT FRAME.**
- **MAKE SURE THE ROOF PANEL SLIDES UNDERNEATH THE RIDGE CAP.**
- **SEE NEXT STEP FOR ROOF PANEL HARDWARE ATTACHMENT**





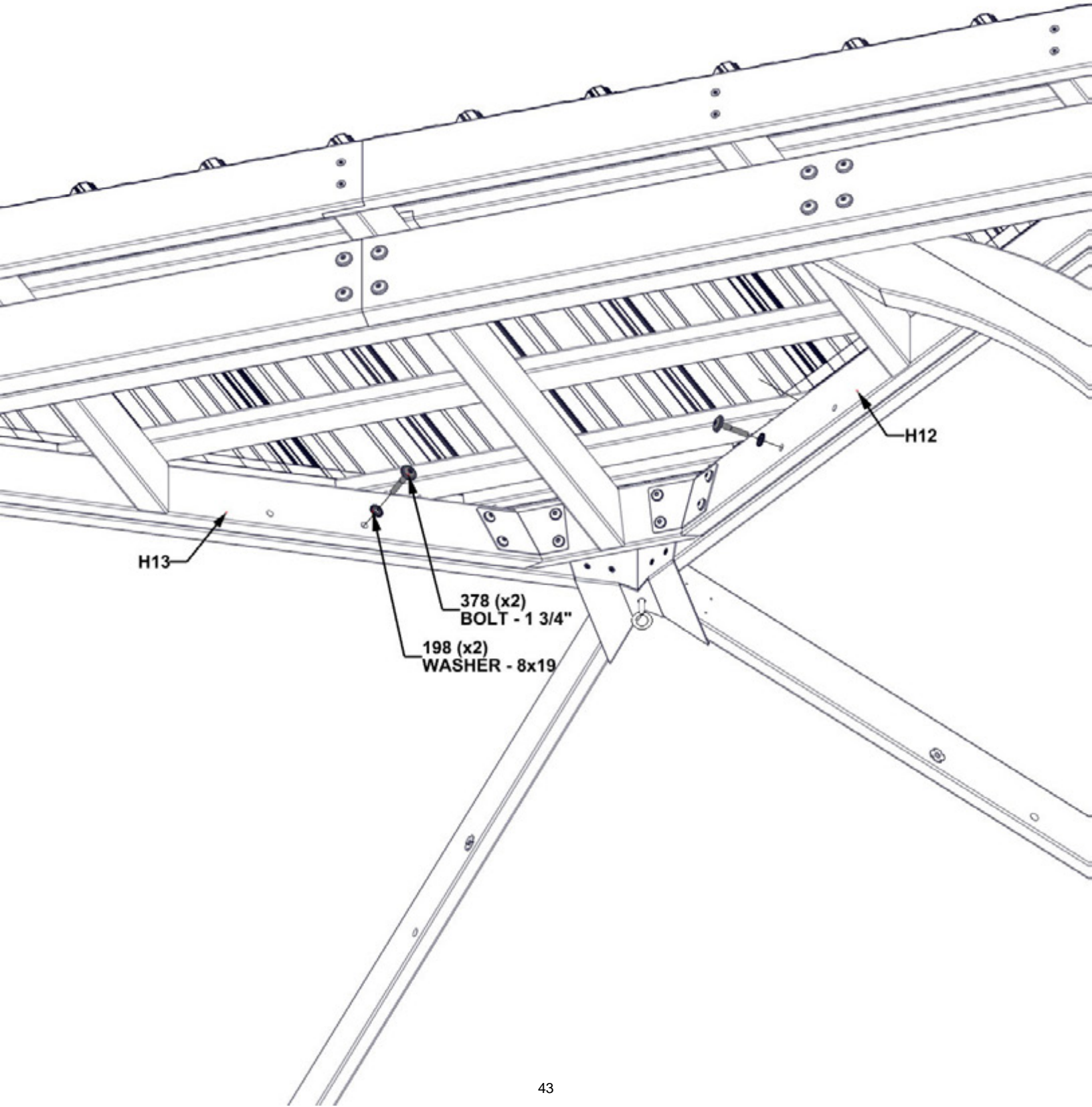
# STEP 27 - ROOF PANEL ATTACHMENT

QTY	PART NUMBER	DESCRIPTION
2	H100198	WASHER LOCK EXT 8x19
2	H100378	BOLT WH 5/16x1 3/4 BLK

**- HAND TIGHTEN ONLY.**

**- IF NECESSARY, USE A CLAMP TO HOLD PANEL IN PLACE.**

**- INSERT BOLTS INTO THE FIRST HOLE FROM THE TOP OF THE H12/H13 BOARDS.**

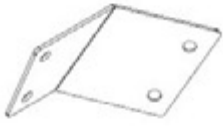


**REPEAT SIDE ROOF PANEL  
INSTALLATION STEPS 26 & 27**

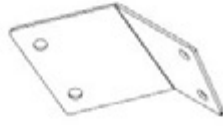


# STEP 28 - FRONT/BACK ROOF PANEL ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
4	H100171	BOLT WH 1/4x1 BLK
4	H100398	TNUT-1/4" BLK



A4M01664 PANEL BRACKET (x1)

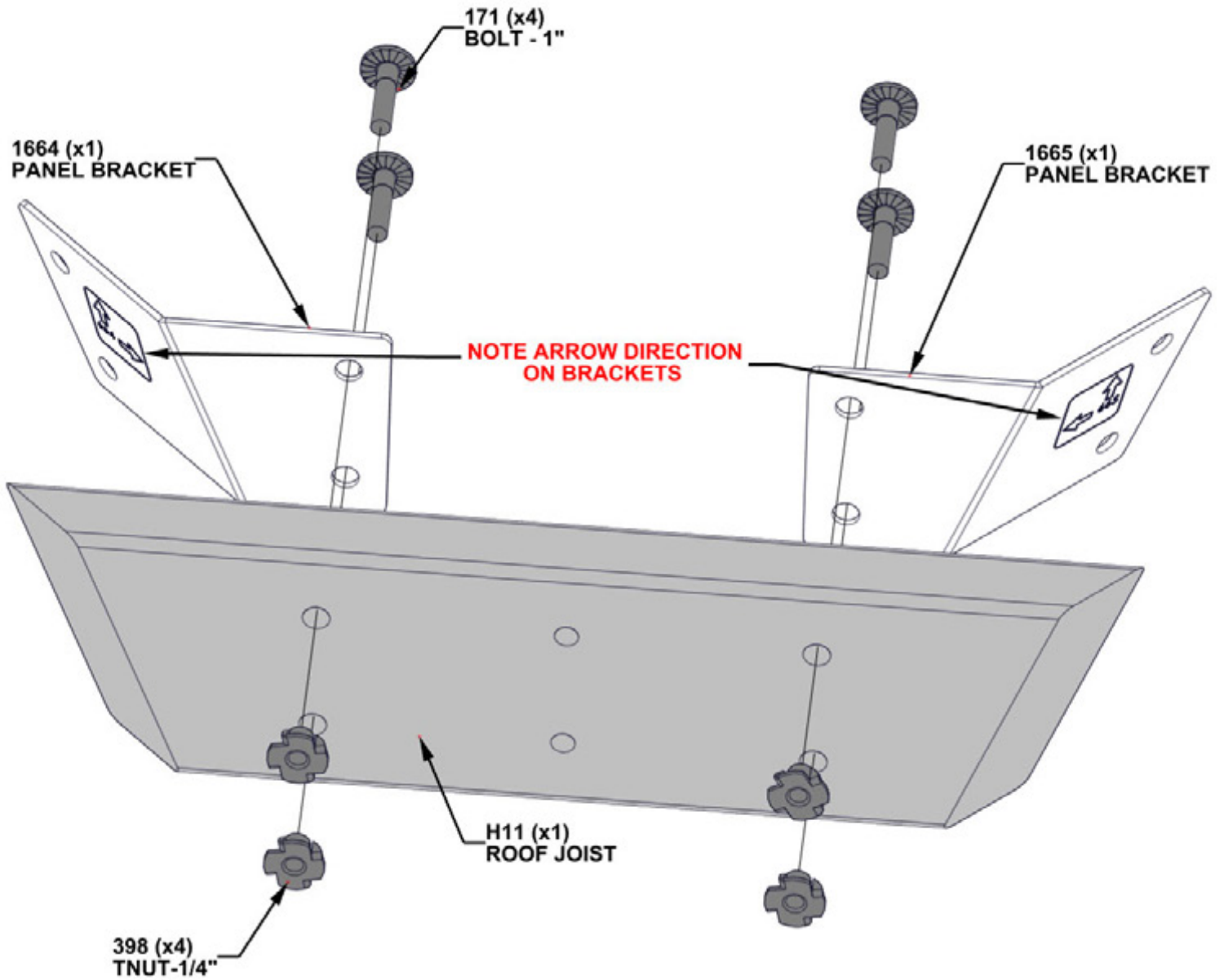


A4M01665 PANEL BRACKET (x1)



H11 ROOF JOIST - W4L16801 (x1) 15/16"x3 3/8"x12 15/16" (24x86x328)

**- INSERT T-NUTS FIRST  
- HAND TIGHTEN ONLY**



# STEP 29 - FRONT/BACK ROOF PANEL ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
4	H100171	BOLT WH 1/4x1 BLK
4	H100398	TNUT-1/4" BLK

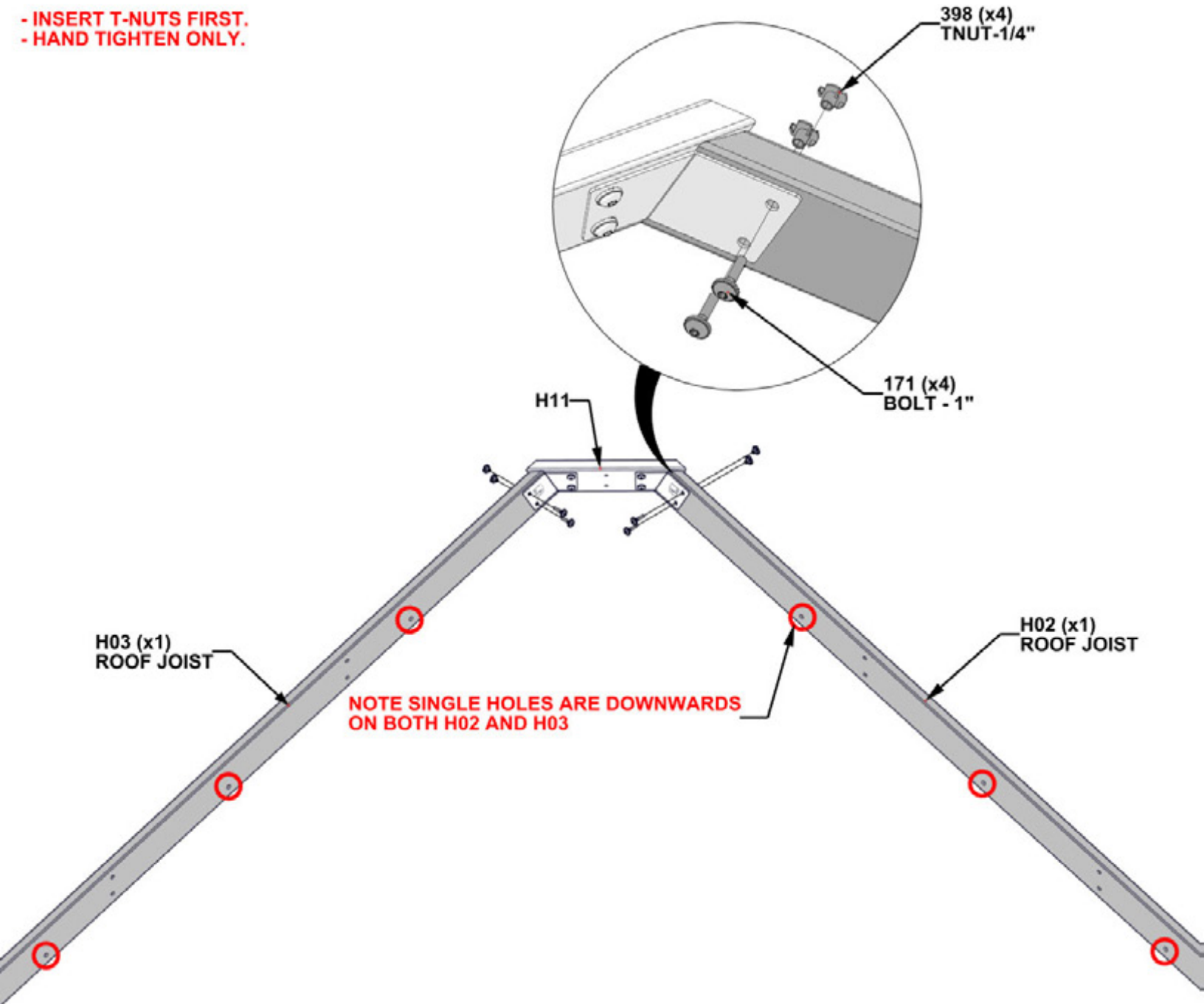


H02 ROOF JOIST - W4L20234  
(x1) 15/16"x3 3/8"x79 1/4" (24x86x2013)



H03 ROOF JOIST - W4L20235  
(x1) 15/16"x3 3/8"x79 1/4" (24x86x2013)

**- INSERT T-NUTS FIRST.  
- HAND TIGHTEN ONLY.**



# STEP 30 - FRONT/BACK ROOF PANEL ASSEMBLY



E08 RAFTER - W4L16804  
(x1) 1 7/16"x3 3/8"x57 1/2" (36x86x1460)



E09 RAFTER - W4L20727  
(x1) 1 7/16"x3 3/8"x41 3/16" (36x86x1047)

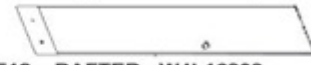


E10 RAFTER - W4L16806  
(x1) 1 7/16"x3 3/8"x20 3/4" (36x86x527)

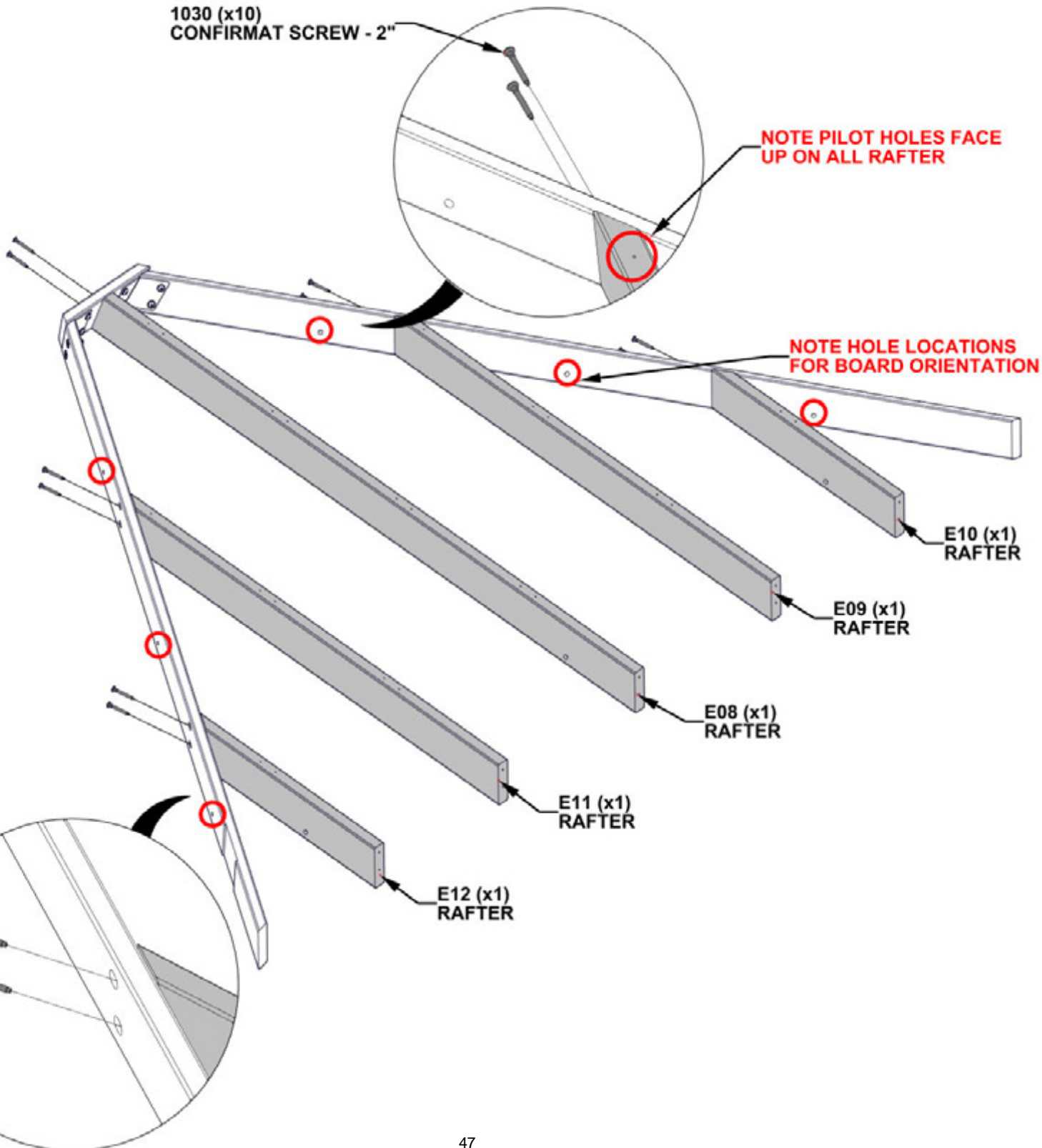
QTY	PART NUMBER	DESCRIPTION
10	H101030	SCREW CONFIRMAT 7x2 BLK



E11 RAFTER - W4L20728  
(x1) 36x86x1047 (36x86x1047)



E12 RAFTER - W4L16808  
(x1) 1 7/16"x3 3/8"x20 3/4" (36x86x527)

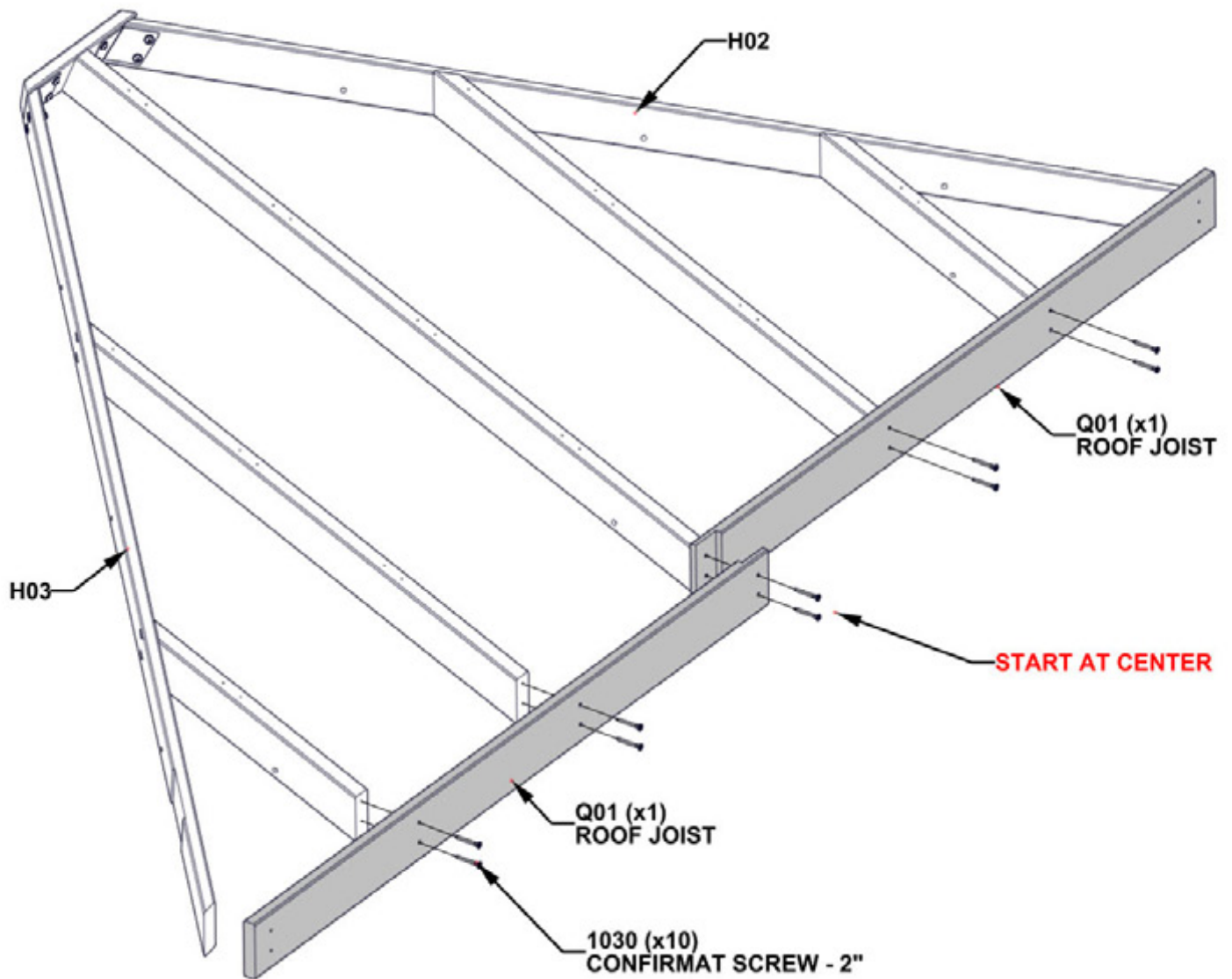


# STEP 31 - FRONT/BACK ROOF PANEL ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
10	H101030	SCREW CONFIRMAT 7x2 BLK



Q01 ROOF JOIST - W4L20228  
 (x2) 15/16"X4 7/16"X60 1/4" (24x112x1530)

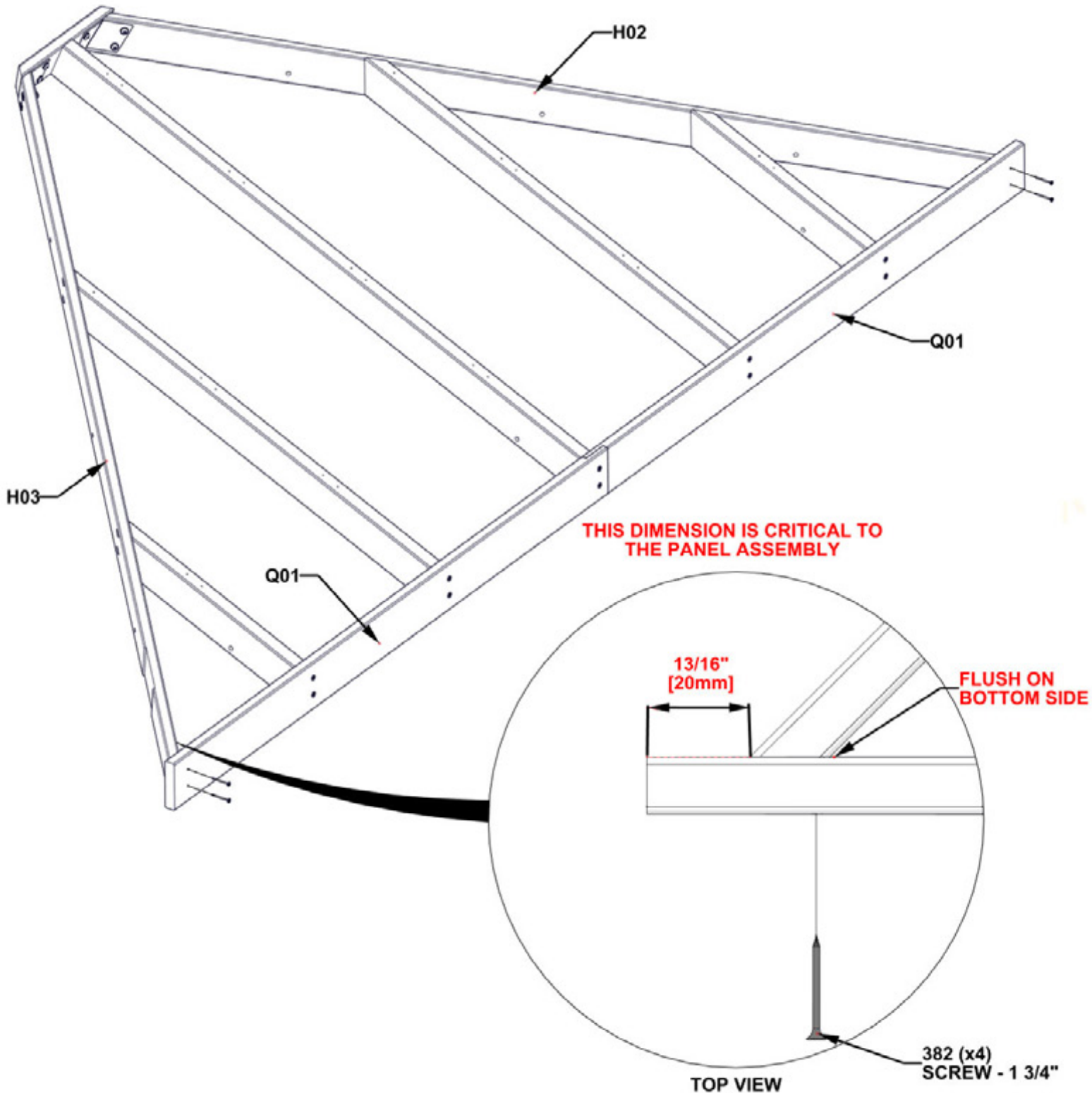




# STEP 32 - FRONT/BACK ROOF PANEL ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
4	H100382	SCREW PFH 8x1 3/4 BLK

- USING THE Q01 BOARDS AS A GUIDE AND A 1/8" DRILL BIT, DRILL PILOT HOLES INTO H02 AND H03 BOARDS USING THE DIMENSIONS BELOW.
- RAFTERS MAY NEED TO BE LOOSENED TO ATTACH THE Q01 BOARDS TO H02 AND H03.



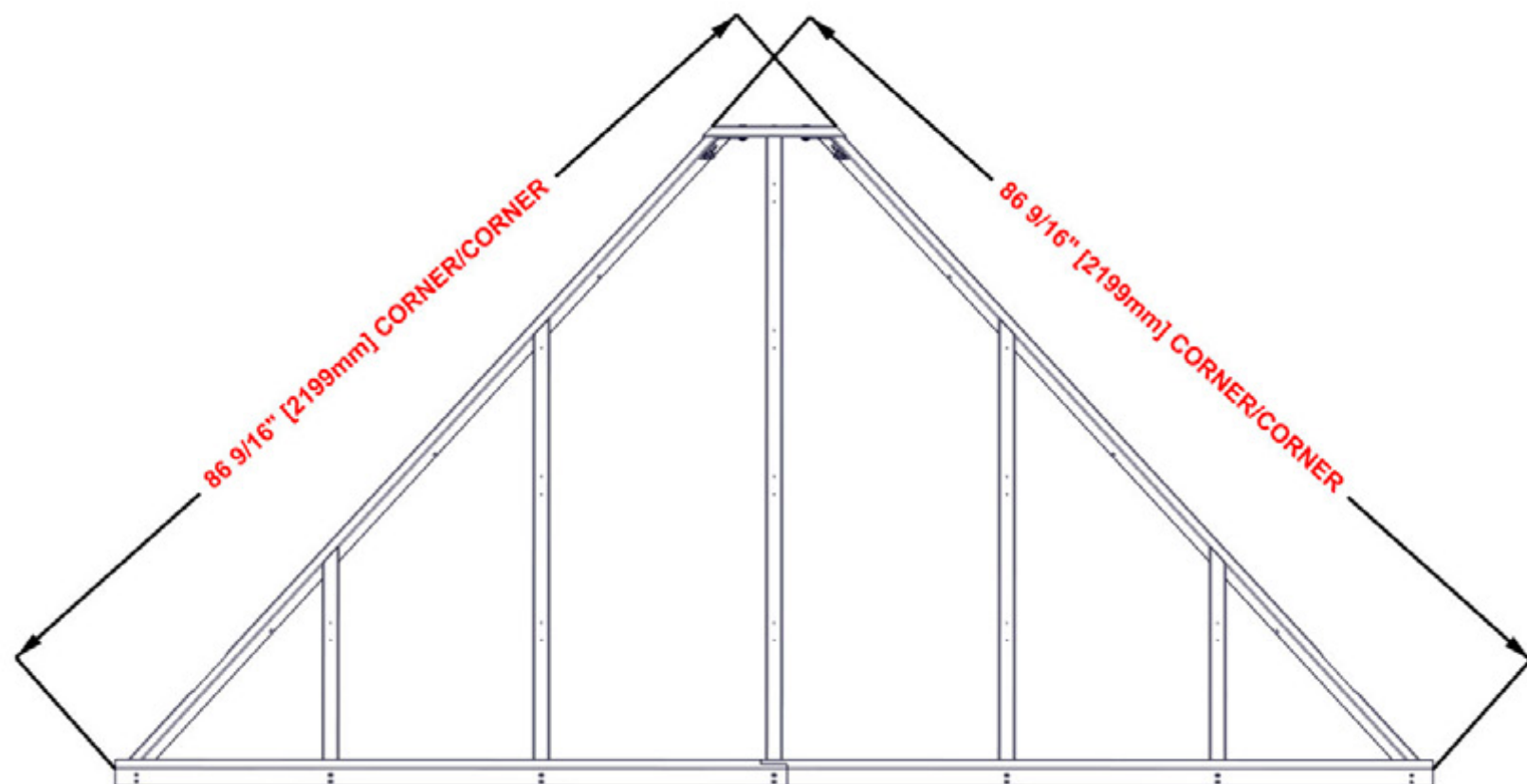


## STEP 33 - FRONT/BACK ROOF PANEL ASSEMBLY

- LOOSEN HARDWARE TO ADJUST FOR SQUARING IF NEEDED.

**CRITICAL:**

- SQUARE UNIT BEFORE PROCEEDING TO NEXT STEPS.
- THE BELOW DIMENSIONS ARE CRITICAL TO THE FINAL ROOF ASSEMBLY.
- DIMENSIONS ARE FROM CORNER TO CORNER OF ROOF PANEL.
- MEASUREMENTS SHOULD BE WITHIN  $\pm 1/4"$ .
- MEASUREMENTS OUTSIDE OF TOLERANCE WILL LEAD TO THE INABILITY TO ASSEMBLE THE ROOF.
- ONCE SQUARE, TIGHTEN ALL HARDWARE FROM PREVIOUS STEPS.

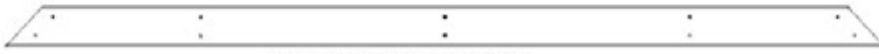


# STEP 34 - FRONT/BACK ROOF PANEL ASSEMBLY

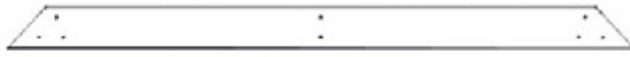
QTY	PART NUMBER	DESCRIPTION
40	H100391	SCREW PFH 8x2 BLK



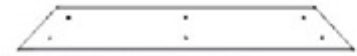
H14 PURLIN - W4L16809  
(x2) 15/16"x3 3/8"x50 13/16" (24x86x1290)



H15 PURLIN - W4L16810  
(x1) 15/16"x3 3/8"x74 15/16" (24x86x1904)



H16 PURLIN - W4L16811  
(x1) 15/16"x3 3/8"x50 11/16" (24x86x1288)



H17 PURLIN - W4L16812  
(x1) 15/16"x3 3/8"x26 1/2" (24x86x673)

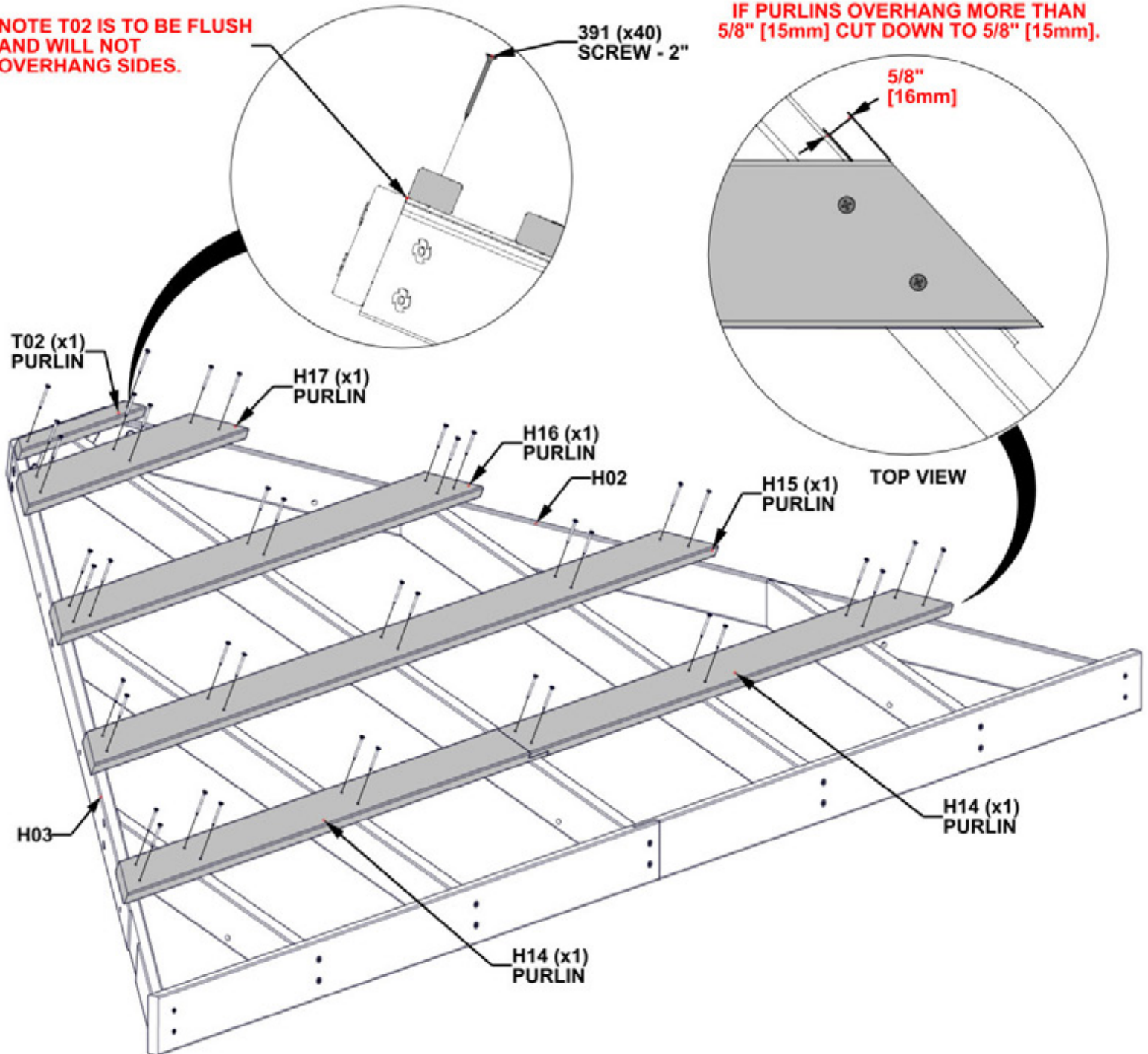


T02 PURLIN - W4L16813  
(x1) 15/16"x1 5/16"x15" (24x34x382)

- ALIGN PURLIN PILOT HOLES WITH RAFTER PILOT HOLES.
- ATTACH SCREWS FROM THE CENTER AND WORK OUTWARDS.
- H02 AND H03 BOARDS DO NOT HAVE PILOT HOLES FOR THE OUTSIDE EDGE SCREWS.
- USING THE PURLINS AS A GUIDE AND A 1/8" [3mm] DRILL BIT AND DRILL PILOT HOLES INTO H02 AND H03.

**NOTE T02 IS TO BE FLUSH AND WILL NOT OVERHANG SIDES.**

**IF PURLINS OVERHANG MORE THAN 5/8" [15mm] CUT DOWN TO 5/8" [15mm].**





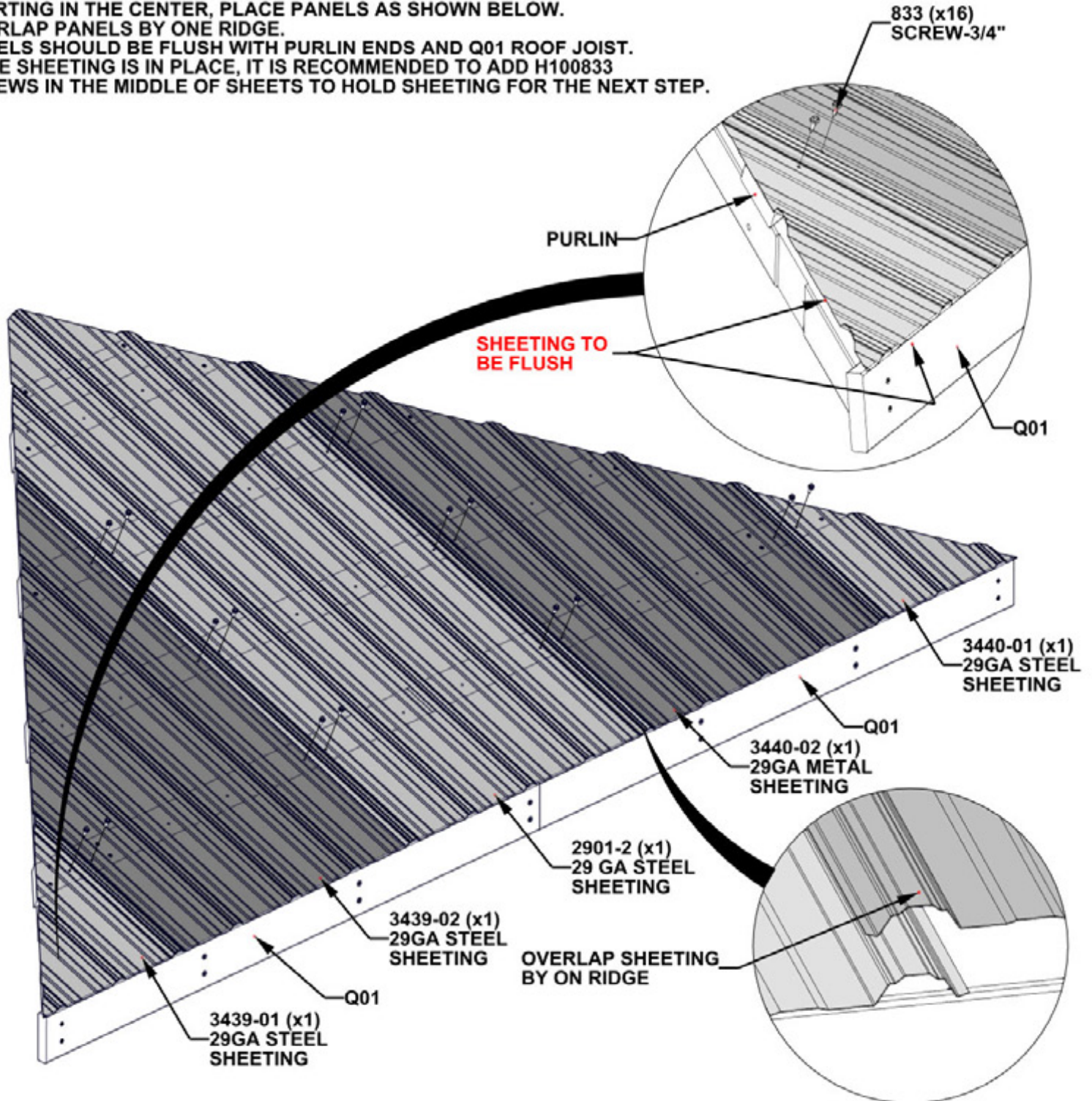
# STEP 35 - FRONT/BACK ROOF PANEL ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
16	H100833	SCREW WOODGRIP 10-16x3/4



**- WARNING: GLOVES ARE RECOMMENDED WHEN HANDLING STEEL ROOF PIECES.**

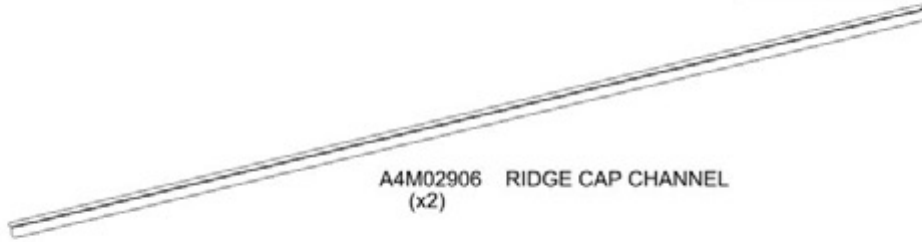
- REMOVE BLUE PROTECTIVE FILM.
- STARTING IN THE CENTER, PLACE PANELS AS SHOWN BELOW.
- OVERLAP PANELS BY ONE RIDGE.
- PANELS SHOULD BE FLUSH WITH PURLIN ENDS AND Q01 ROOF JOIST.
- ONCE SHEETING IS IN PLACE, IT IS RECOMMENDED TO ADD H100833 SCREWS IN THE MIDDLE OF SHEETS TO HOLD SHEETING FOR THE NEXT STEP.



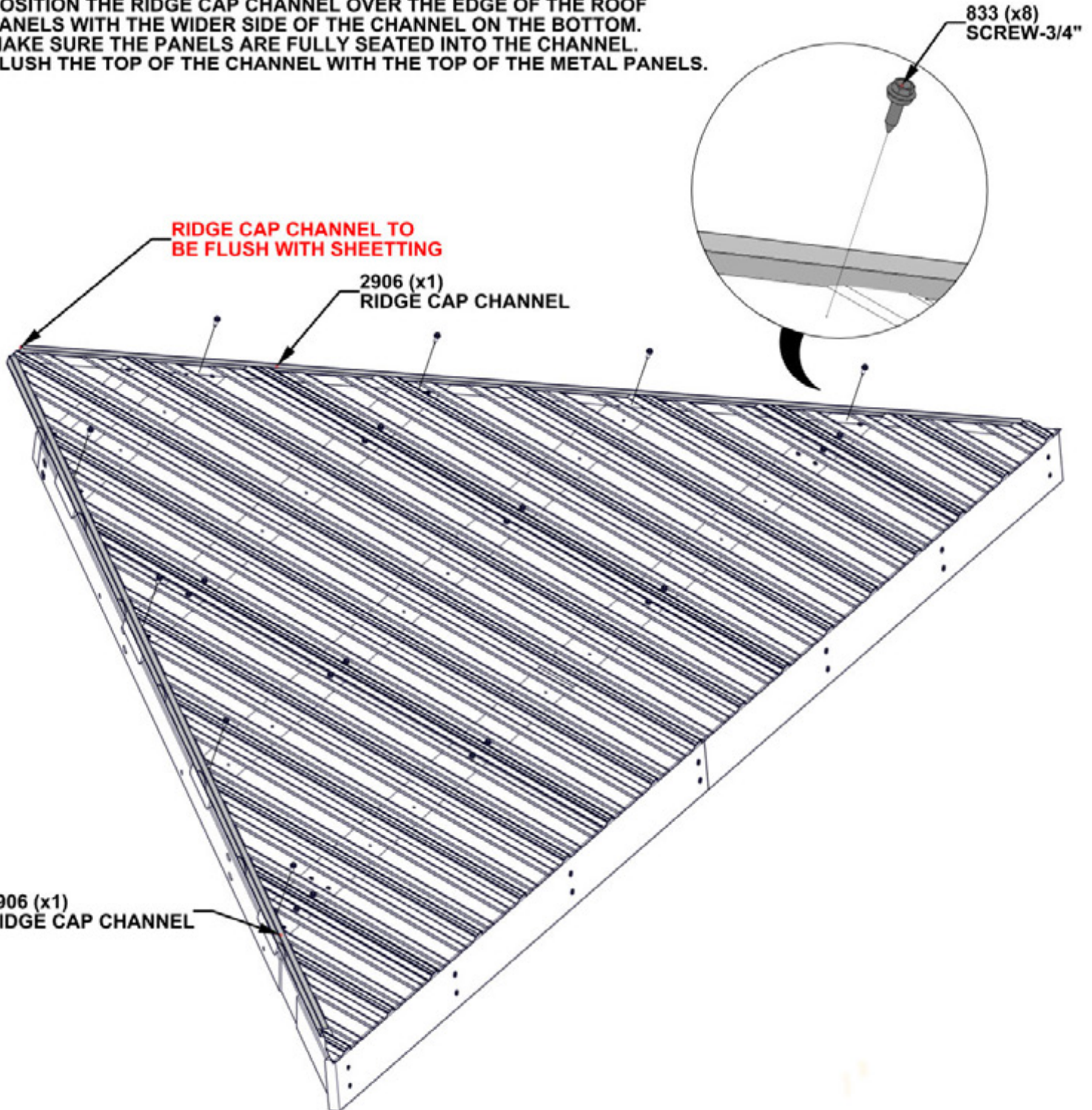


# STEP 36 - FRONT/BACK ROOF PANEL ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
8	H100833	SCREW WOODGRIP 10-16x3/4



- REMOVE PROTECTIVE BLUE FILM.
- POSITION THE RIDGE CAP CHANNEL OVER THE EDGE OF THE ROOF PANELS WITH THE WIDER SIDE OF THE CHANNEL ON THE BOTTOM.
- MAKE SURE THE PANELS ARE FULLY SEATED INTO THE CHANNEL.
- FLUSH THE TOP OF THE CHANNEL WITH THE TOP OF THE METAL PANELS.

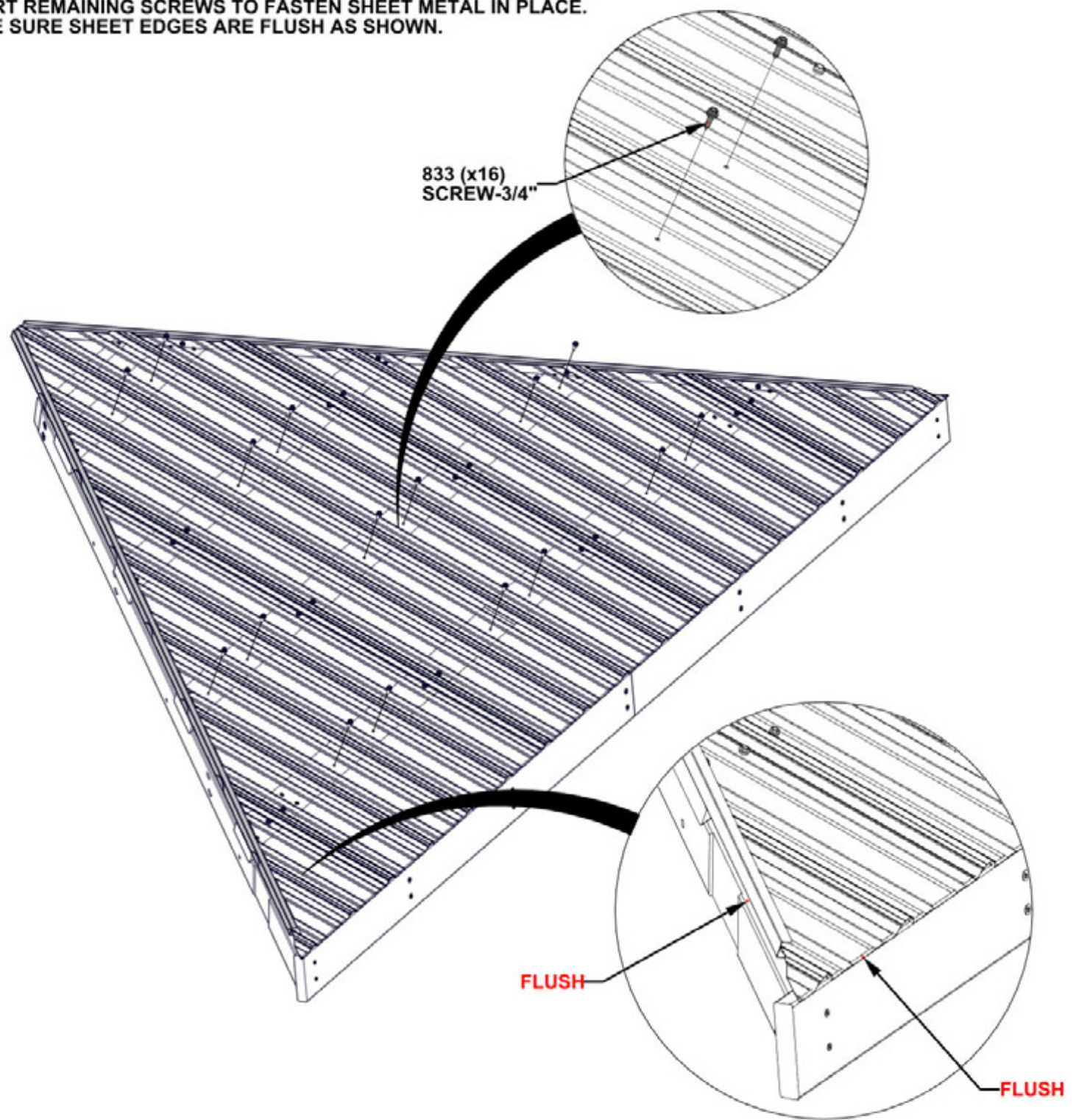




# STEP 37 - FRONT/BACK ROOF PANEL ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
16	H100833	SCREW WOODGRIP 10-16x3/4

- INSERT REMAINING SCREWS TO FASTEN SHEET METAL IN PLACE.
- MAKE SURE SHEET EDGES ARE FLUSH AS SHOWN.



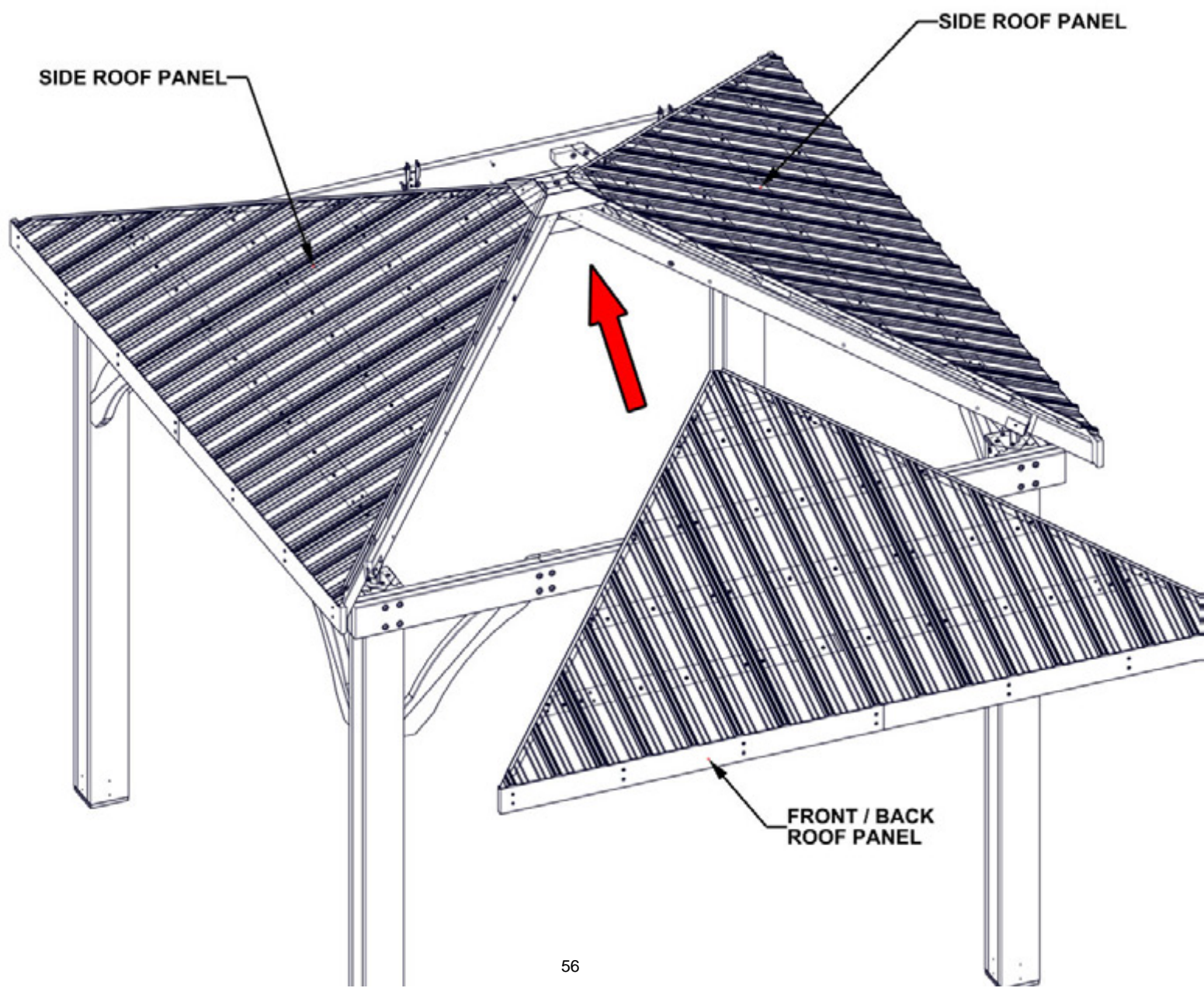


**REPEAT PREVIOUS STEPS 28 THROUGH 37 TO  
BUILD SECOND FRONT/BACK ROOF PANEL**

## STEP 38 - ROOF PANEL ATTACHMENT

- 3 PEOPLE ARE RECOMMENDED FOR THIS STEP.
- POSITION A PERSON ON A LADDER IN THE CENTER OF THE GAZEBO TO HELP SUPPORT THE ROOF PANEL.
- WITH 2 PEOPLE, WORK THE PANEL UP WITHOUT SLIDING OR DRAGGING, UNTIL IT MEETS THE ROOF SUPPORT FRAME.
- MAKE SURE THE ROOF PANEL SLIDES UNDERNEATH THE RIDGE CAP.

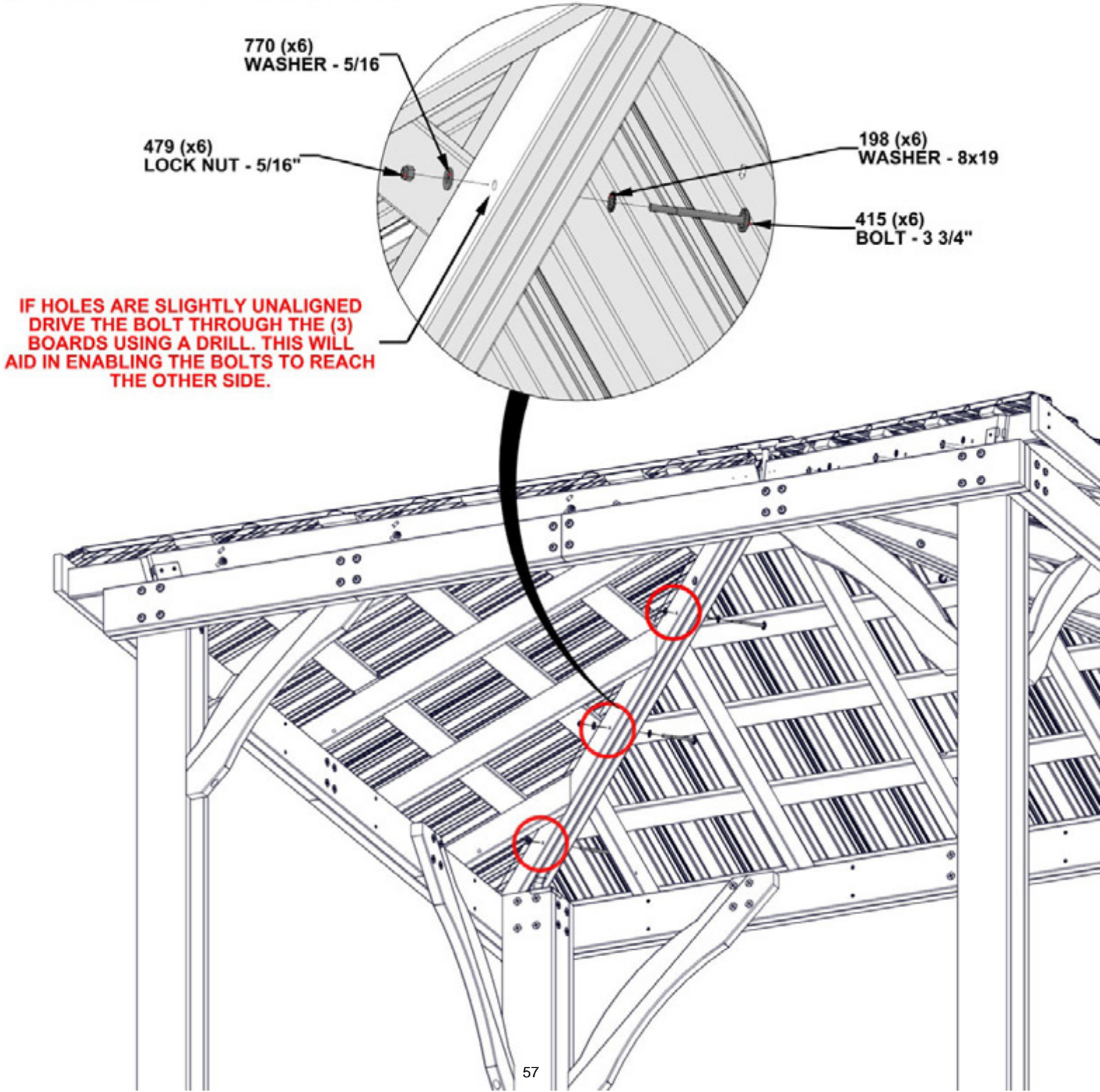
SEE NEXT STEP FOR ROOF PANEL HARDWARE ATTACHMENT



# STEP 39 - ROOF PANEL ATTACHMENT

QTY	PART NUMBER	DESCRIPTION
6	H100198	WASHER LOCK EXT 8x19
6	H100415	BOLT WH 5/16x3 3/4 BLK
6	H100479	NUT LOCK 5/16 BLK
6	H100770	WASHER FLAT 5/16 BLK

- HAND TIGHTEN ONLY.
- REPEAT ON ALL PANEL EDGES AS SHOWN.

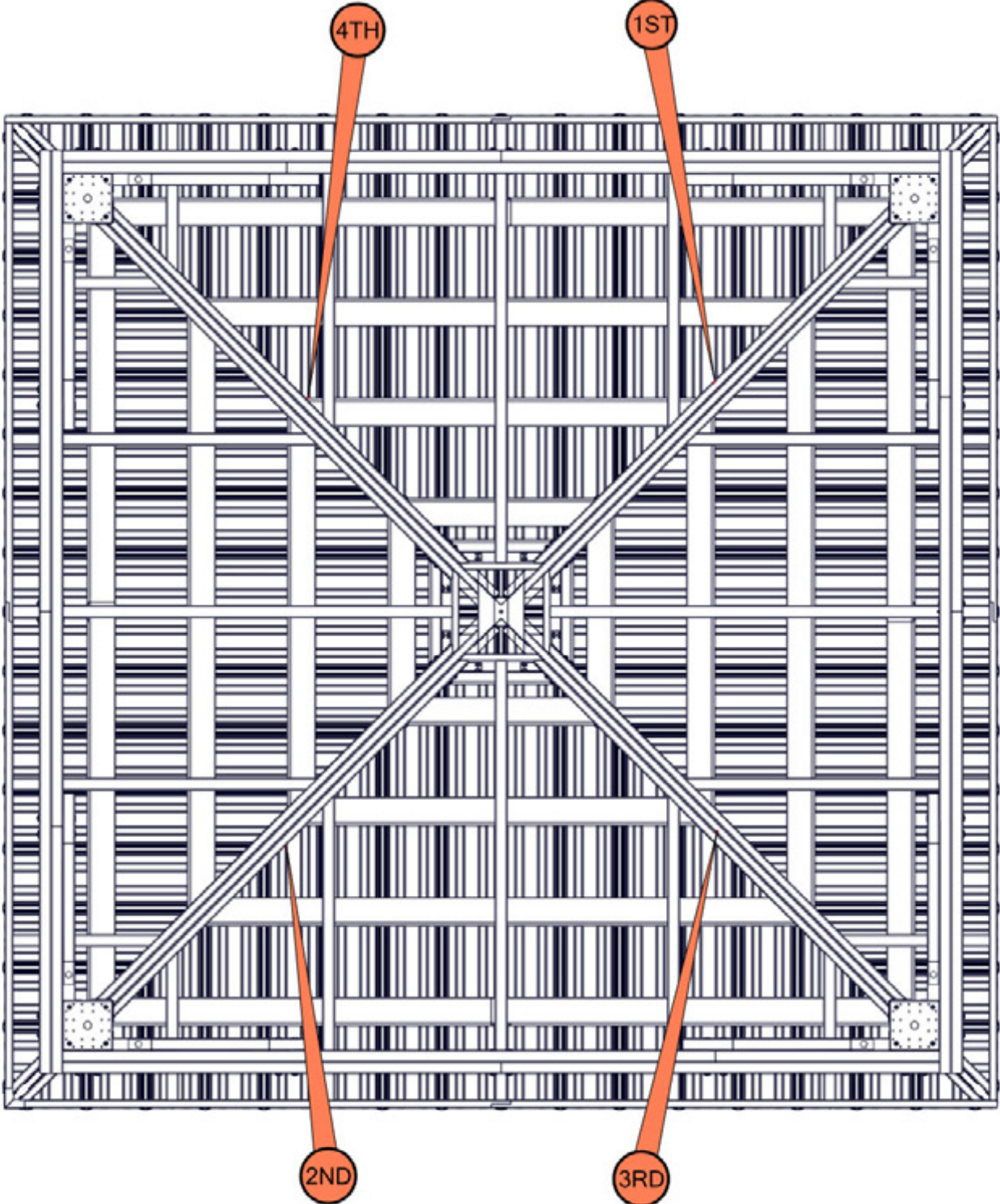


**REPEAT FRONT/BACK ROOF PANEL  
INSTALLATION STEPS 38 & 39**



# STEP 40 - ROOF PANEL ASSEMBLY

TIGHTEN ALL THE HARDWARE IN THE ORDER SHOWN BELOW.  
START AT THE TOP AND WORK YOUR WAY DOWN.



# STEP 41 - ROOF TRIM ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
12	H100488	BOLT WH 1/4x2 BLK
24	H100536	SCREW PWH 8x1 1/4 BLK
12	H100630	WASHER FLAT 8x19 BLK
12	H100653	NUT LOCK 1/4 BLK



A4M01228 RAFTER CLIP  
(x12)

- ATTACH RAFTER CLIPS FIRST WITH 2" [51mm] BOLTS.
- USING THE BRACKET AS A TEMPLATE & A 1/8" [3mm] DRILL BIT. DRILL PILOT HOLES FOR THE H100536 SCREWS.
- DRILL PILOT HOLES APPROXIMATELY 1/2" [13mm] DEEP.

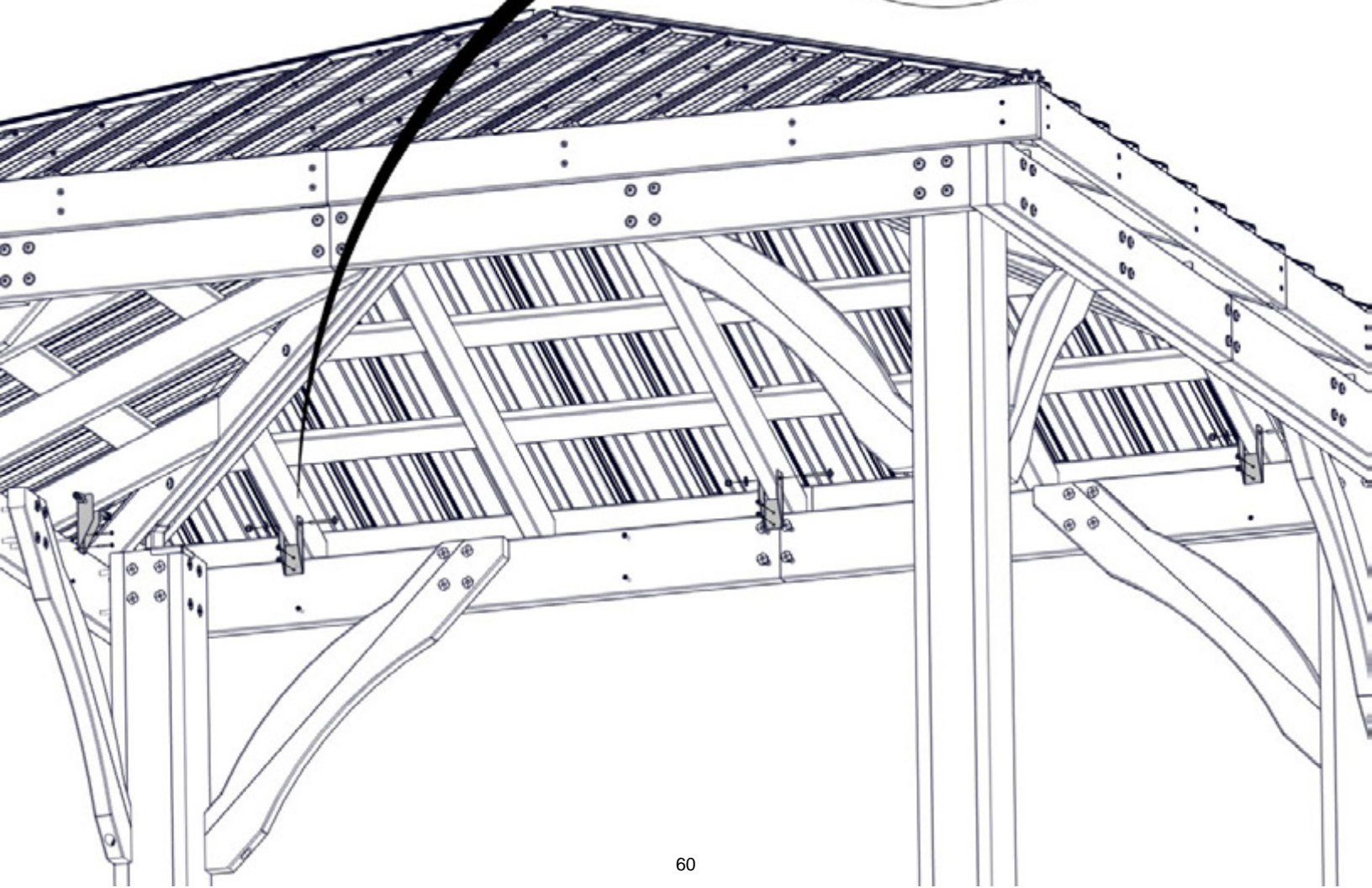
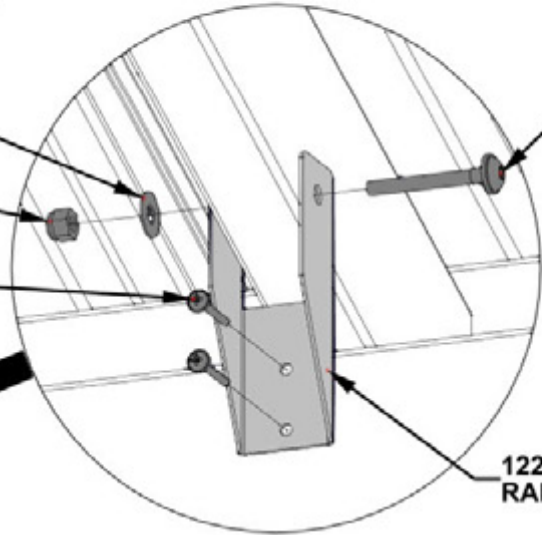
630 (x12)  
WASHER - 8x19

653 (x12)  
LOCK NUT - 1/4"

536 (x24)  
SCREW - 1 1/4"

488 (x12)  
BOLT - 2"

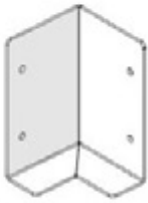
1228 (x12)  
RAFTER CLIP





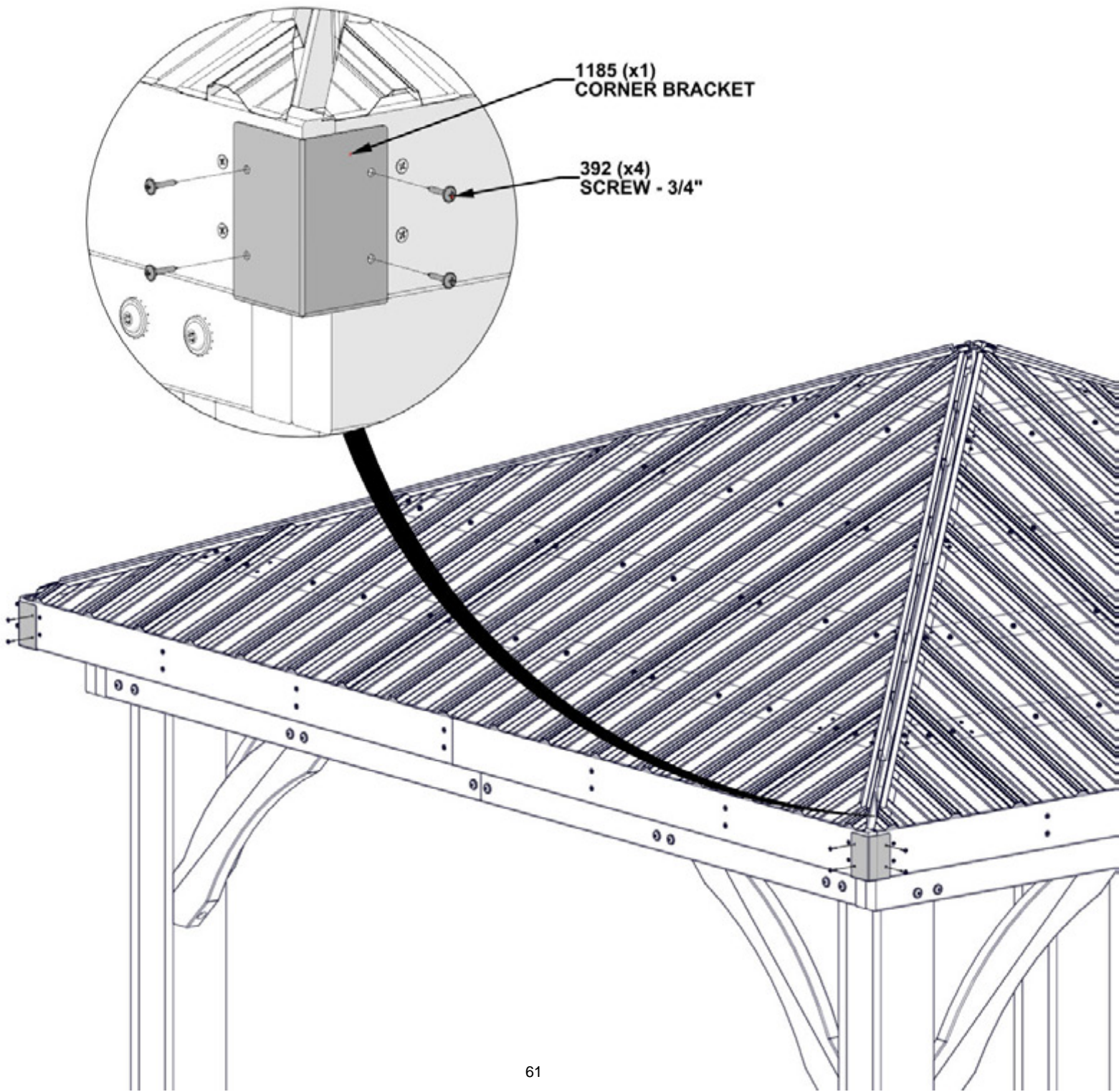
# STEP 42 - ROOF TRIM ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
16	H100392	SCREW PWH 8x3/4 BLK



A4M01185 CORNER BRACKET  
(x4)

- USING THE CORNER BRACKETS AS A GUIDE & 1/8" [3mm] DRILL BIT, PREDRILL HOLES AT EACH BRACKET LOCATION.
- REPEAT THIS STEP ON THE 3 REMAINING CORNERS.



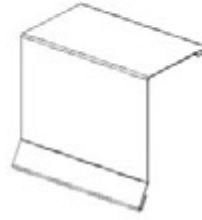


# STEP 43 - DRIP EDGE ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
32	H100833	SCREW WOODGRIP 10-16x3/4



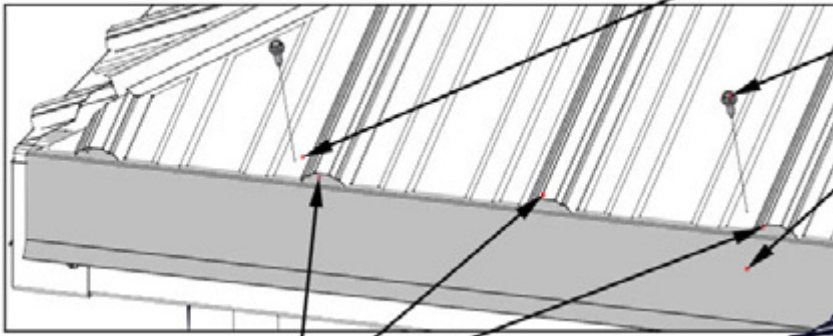
A4M03442 DRIP EDGE  
(x8)



A4M03410 DRIP EDGE SPLICE  
(x4)

- **WARNING: GLOVES ARE RECOMMENDED WHEN HANDLING STEEL DRIP EDGE PIECES.**
- **REMOVE PROTECTIVE BLUE FILM**
- **REPEAT THIS STEP FOR ALL 4 SIDES.**
- INSERT 1 DRIP EDGE INTO EACH SIDE OF THE SPLICE SO THEY MEET IN THE CENTER.
- INSERT THE DRIP EDGE ASSEMBLY UNDER THE ROOF SHEETING, AND ON TOP OF THE ROOF JOIST.
- SEE THE DETAILS BELOW.

ONCE DRIP EDGE IS PUSHED UNDER ROOF SHEETING ATTACH USING H100833 SCREWS. START AT LOCATION SHOWN APPROXIMATELY 1" [25mm] UP FROM BOTTOM OF SHEETING AND NEXT TO HIGH RIDGE IN SHEETING. WORK LEFT TO RIGHT AND SKIP EVERY OTHER HIGH RIDGE AS SHOWN.



833 (x32)  
SCREW-3/4"

DRIP EDGE

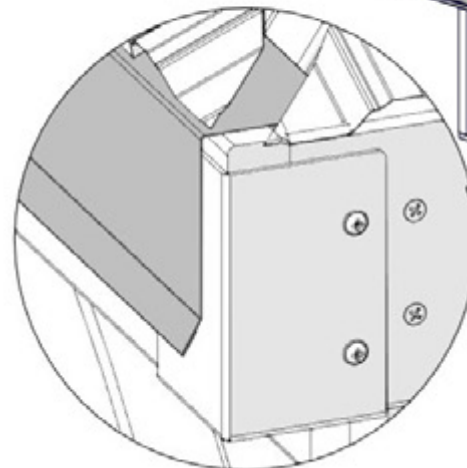
HIGH RIDGES IN SHEETING

ROOF SHEETING

ROOF JOIST

3442 (x2)  
DRIP EDGE

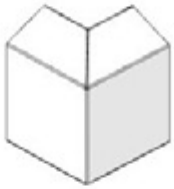
3410 (x1)  
DRIP EDGE SPLICE



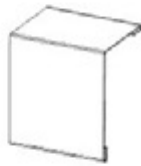


# STEP 44 - ROOF TRIM ASSEMBLY

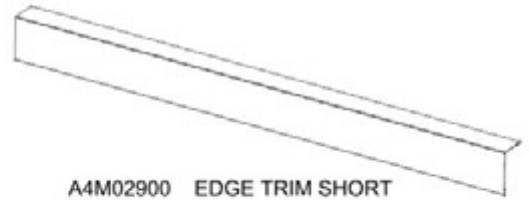
QTY	PART NUMBER	DESCRIPTION
32	H100759	SCREW SELF TAPPING 1/4x1



A4M02825 EDGE TRIM CORNER SPLICE (x4)

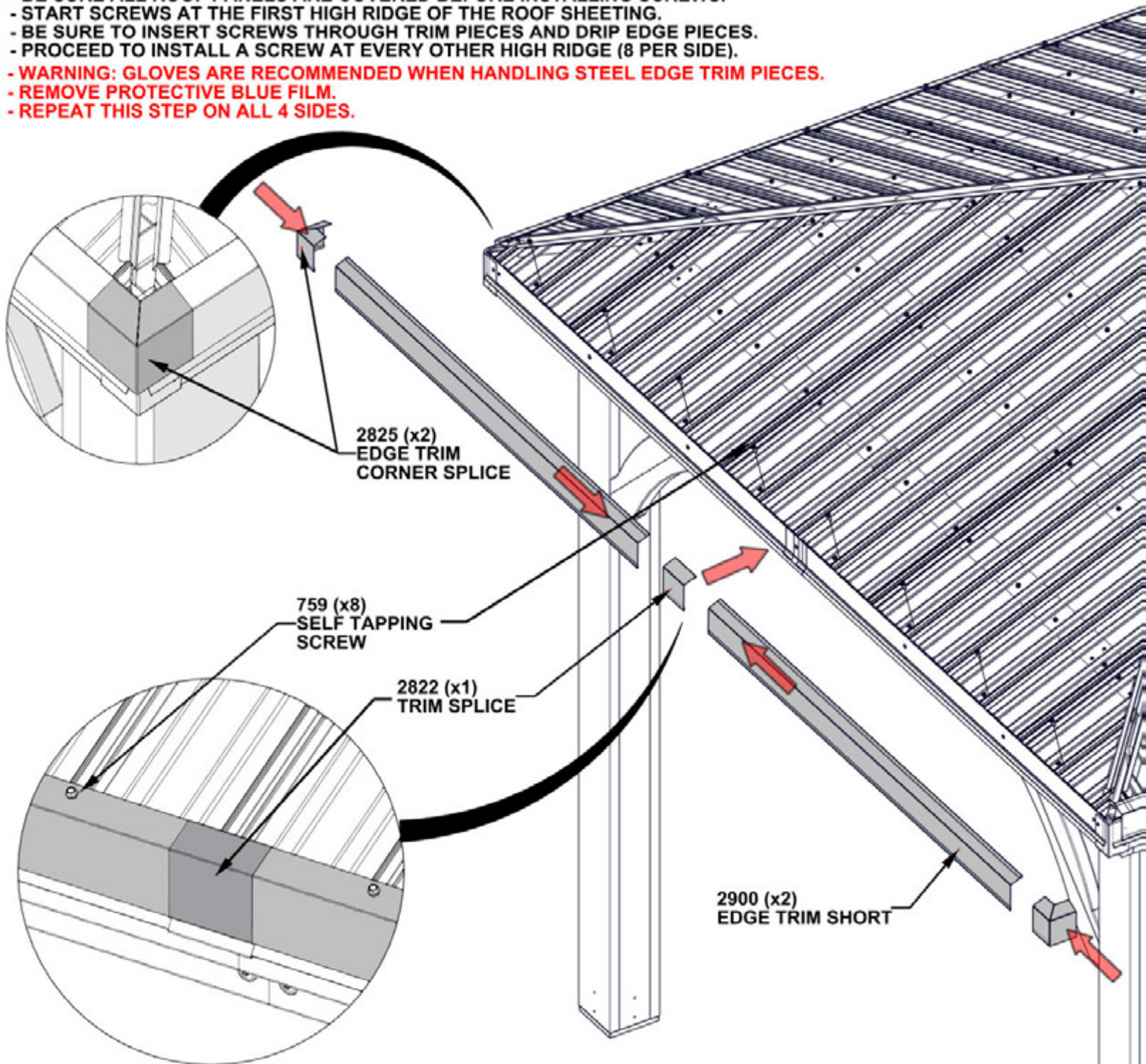


A4M02822 TRIM SPLICE (x4)



A4M02900 EDGE TRIM SHORT (x8)

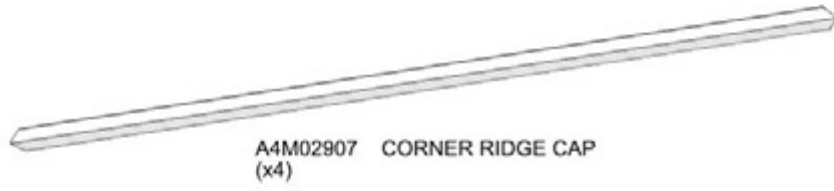
- SLIDE EDGE TRIM PIECES INTO EACH SIDE OF THE EDGE TRIM SPLICE AND CORNER SPLICE.
- CENTER THE EDGE TRIM ASSEMBLY OVER THE EDGE OF THE ROOF.
- BE SURE ALL ROOF PANELS ARE COVERED BEFORE INSTALLING SCREWS.
- START SCREWS AT THE FIRST HIGH RIDGE OF THE ROOF SHEETING.
- BE SURE TO INSERT SCREWS THROUGH TRIM PIECES AND DRIP EDGE PIECES.
- PROCEED TO INSTALL A SCREW AT EVERY OTHER HIGH RIDGE (8 PER SIDE).
- **WARNING: GLOVES ARE RECOMMENDED WHEN HANDLING STEEL EDGE TRIM PIECES.**
- **REMOVE PROTECTIVE BLUE FILM.**
- **REPEAT THIS STEP ON ALL 4 SIDES.**



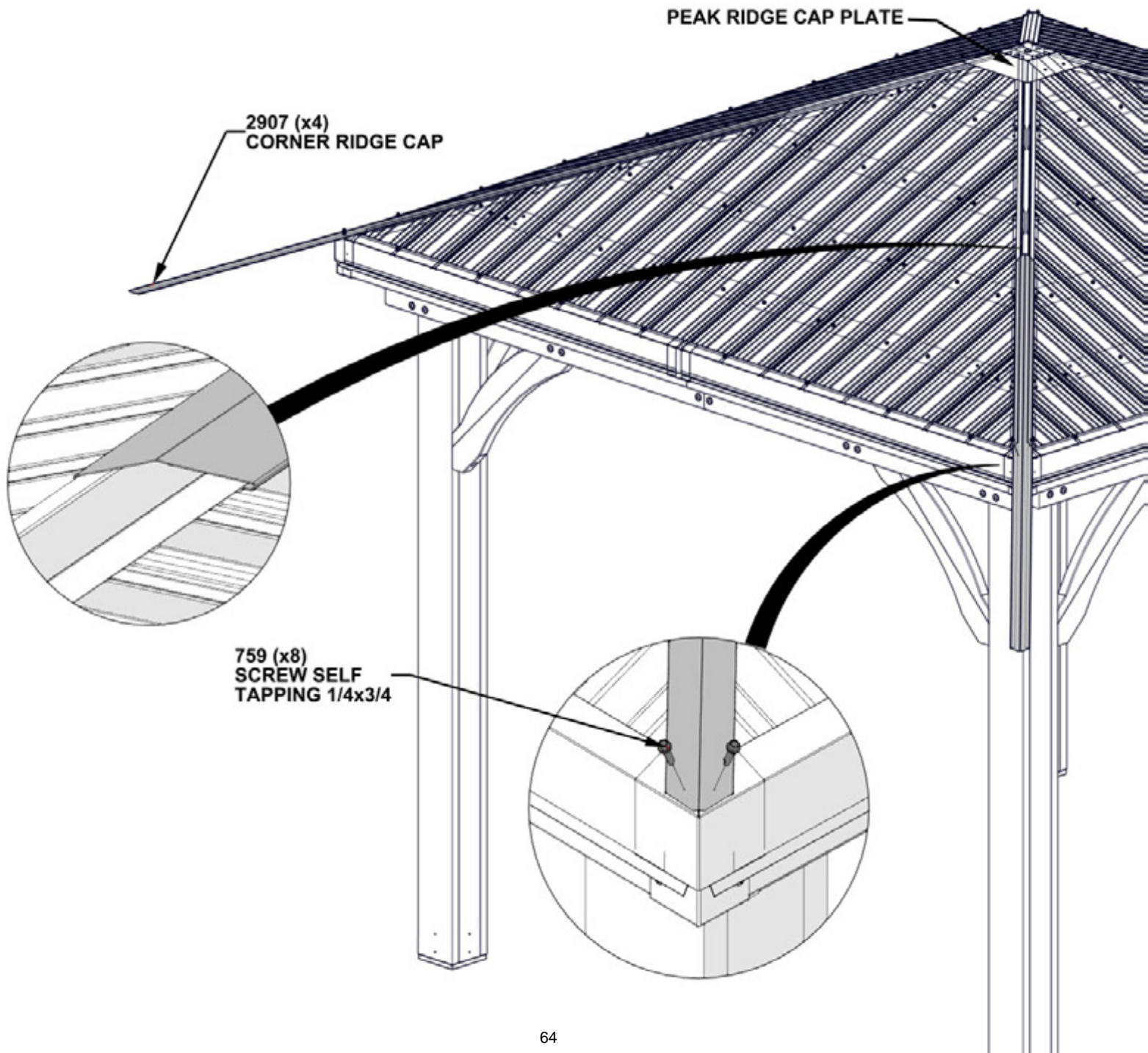


# STEP 45 - ROOF ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
8	H100759	SCREW SELF TAPPING 1/4x1

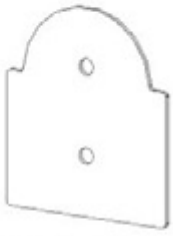


- SLIDE LONG CORNER RIDGE CAP ONTO ROOF RIDGE CAP CHANNEL AS SHOWN.
- SLIDE THE END UNDER THE PEAK RIDGE CAP PLATE.
- THIS PIECE WILL BE SECURED INTO PLACE DURING THE NEXT STEP.
- REMOVE PROTECTIVE BLUE FILM.
- REPEAT THIS STEP FOR ALL 4 CORNERS.



# STEP 46 - ANCHORING HARDWARE

QTY	PART NUMBER	DESCRIPTION
32	H100471	LAG SCREW WH 5/16x1 1/2 BLK

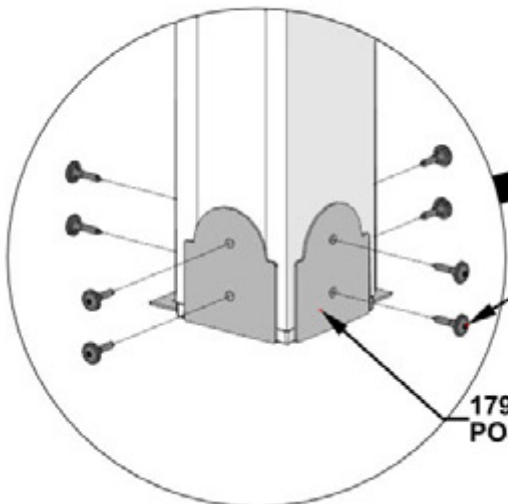


A4M01794 POST PLATE  
(x8)



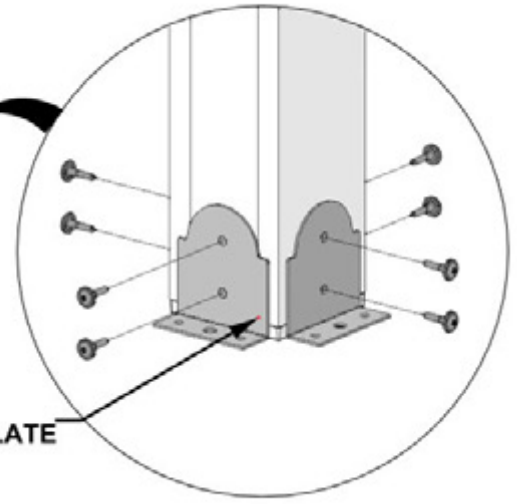
A4M01793 POST ANCHORING PLATE  
(x8)

- ALL POST PLATES GO ON THE INSIDES OF THE POSTS AS SHOWN.
- ALL POST ANCHORING PLATES GO ON THE OUTSIDE OF THE POSTS AS SHOWN.
- ALIGN EACH PLATE WITH PILOT HOLES IN POST.



1794 (x8)  
POST PLATE

471 (x32)  
LAG SCREW - 1 1/2"



1793 (x8)  
POST ANCHORING PLATE

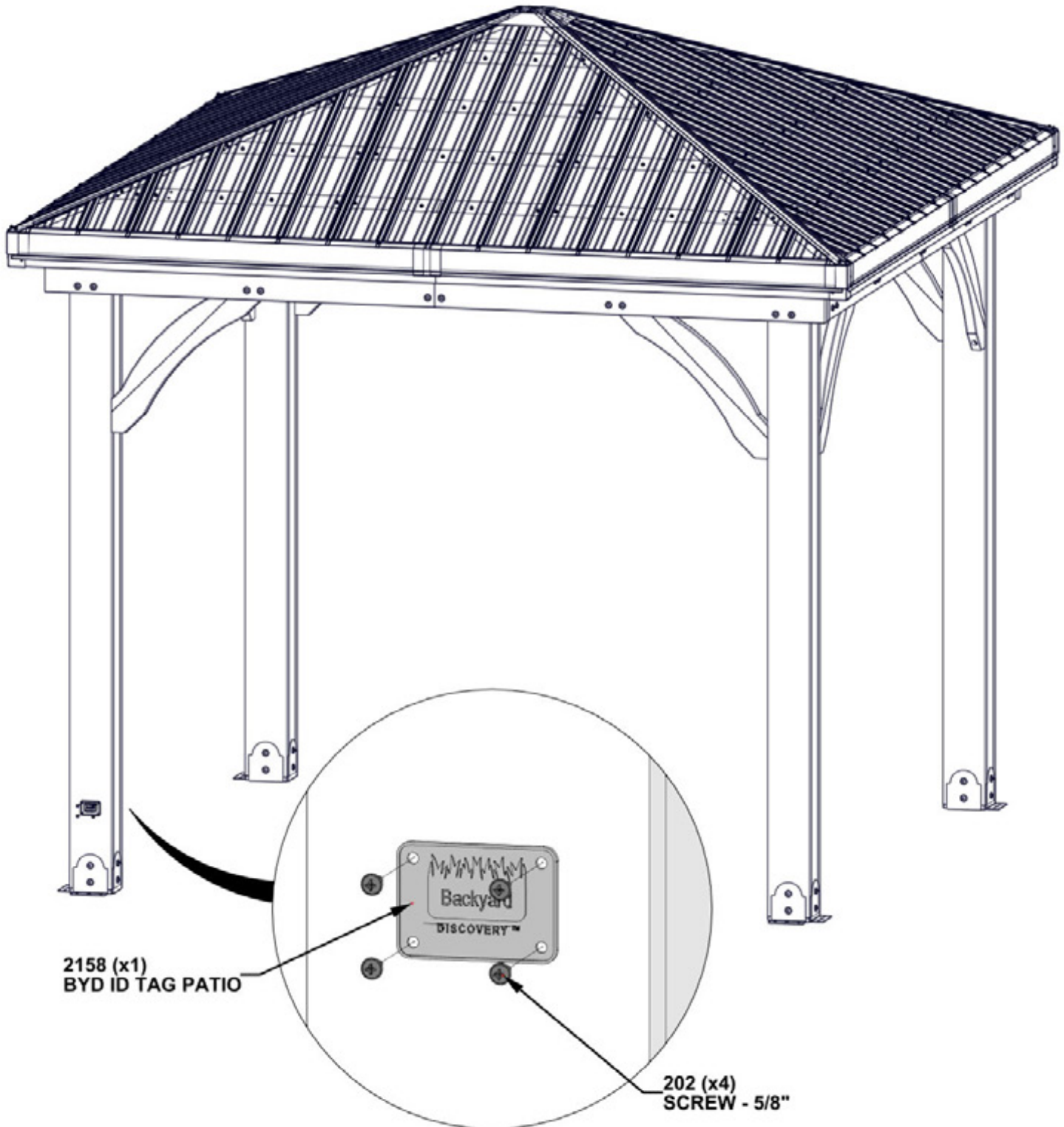


# STEP 47 - ID TAG ATTACHMENT

QTY	PART NUMBER	DESCRIPTION
4	H100202	SCREW PWH 8x5/8 BLK



A4M02158 BYD ID TAG PATIO  
(x1)

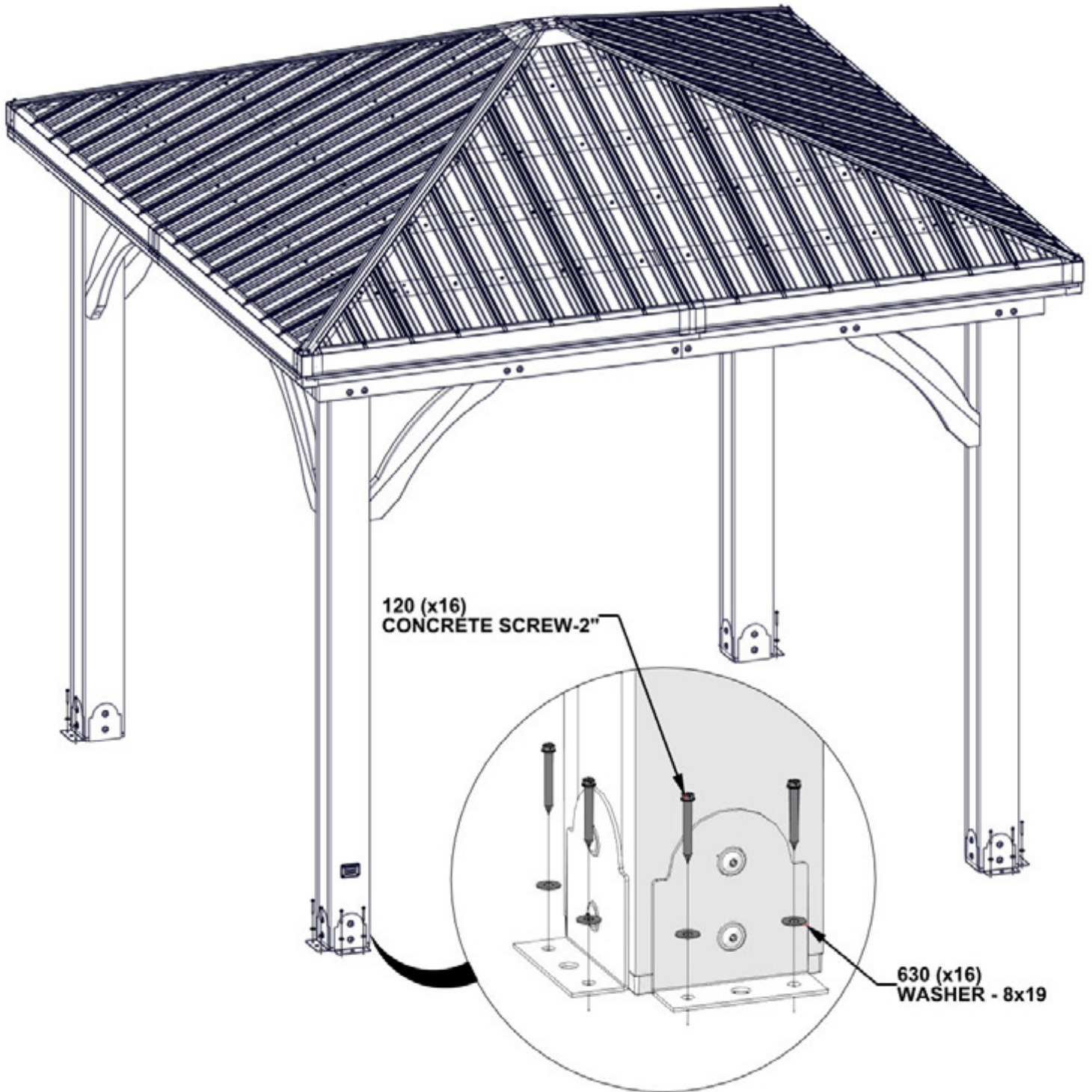


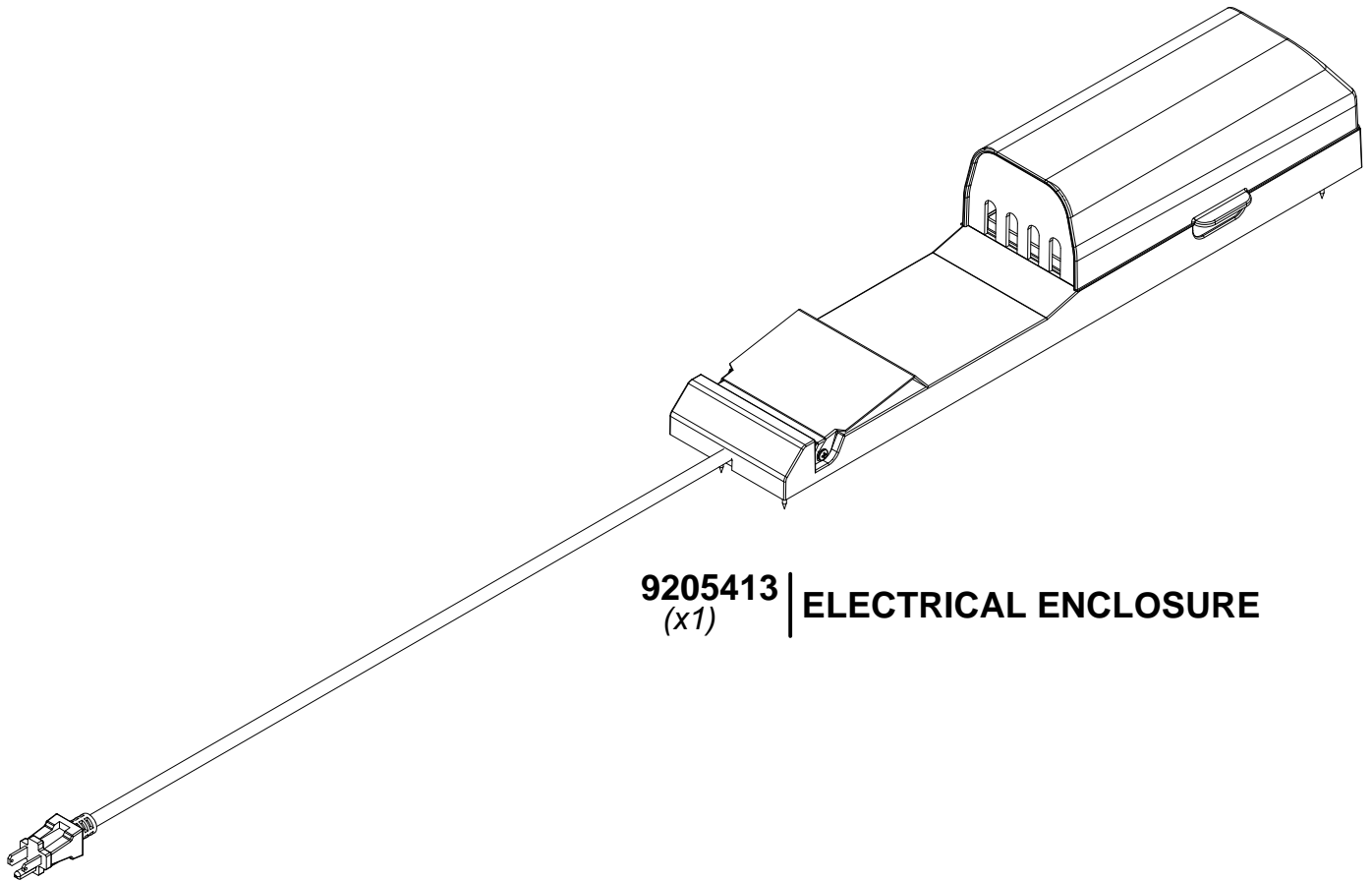


# STEP 48 - GAZEBO ANCHORING

QTY	PART NUMBER	DESCRIPTION
16	H100120	CONCRETE ANCHOR 1/4"x2"
16	H100630	WASHER FLAT 8x19 BLK

- MANUFACTURER RECOMMENDS INSTALLATION ON CONCRETE SURFACE OR CONCRETE POST PADS AS SHOWN BELOW.
- FOR INSTALLATION ON A WOOD DECK, YOU MUST ENSURE THERE IS AMPLE STRUCTURAL SUPPORT UNDER DECK. HARDWARE NOT PROVIDED FOR DECK ATTACHMENT.





**9205413** | **ELECTRICAL ENCLOSURE**  
*(x1)*

FOR POWERPORT INSTALLATION REFER TO ASSEMBLY INSTRUCTIONS THAT COME PACKAGED WITH THE POWERPORT KIT. INSTALL ON ANY POST THAT IS DESIRED. FOLLOW DIRECTIONS FOR PROPER INSTALLATION.