



Manufactured by:
 Backyard Discovery
 3305 Airport Drive, Pittsburg,
 KS 66762 800-856-4445

Basepoint Business Centre: Rivermead Drive, Westlea, Swindon SN5 7EX Phone: 0800-118-2476
 J.P. Coenstraat 7, The Bridge, The Hague, 2595 WP, Netherlands Phone: 08005678990

20x10 SARASOTA LOUVERED PERGOLA

MODEL # : 2305120



Please visit 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



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



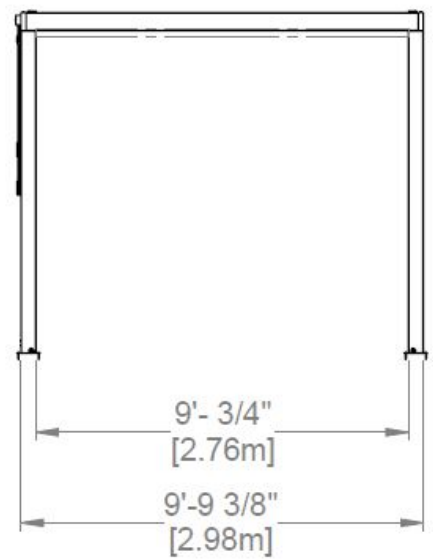
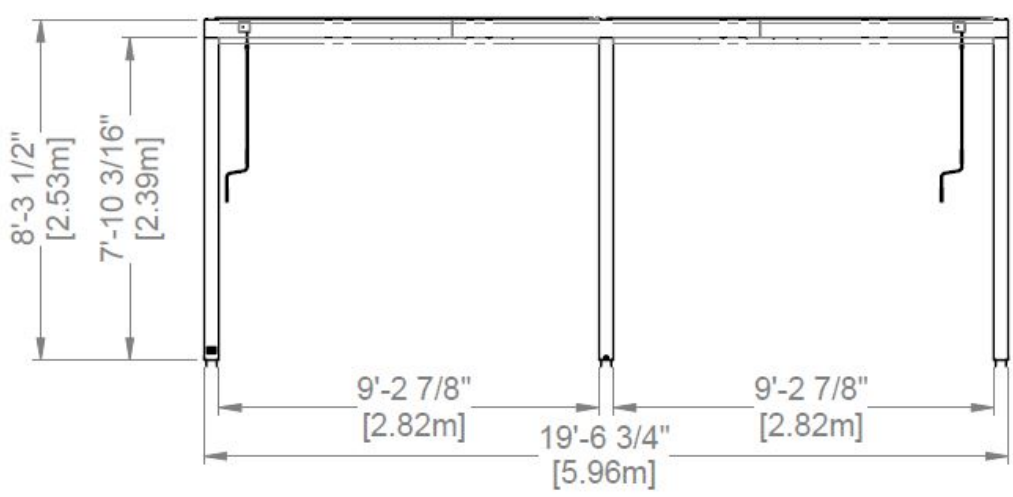
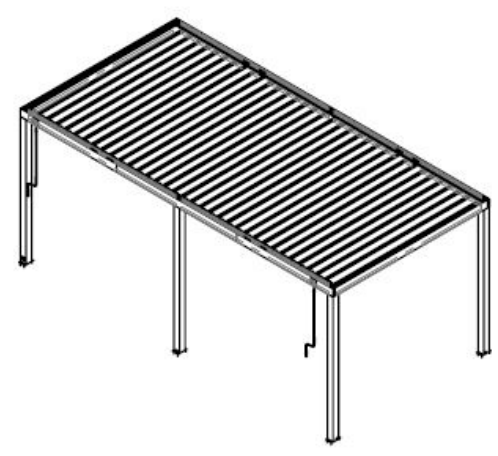
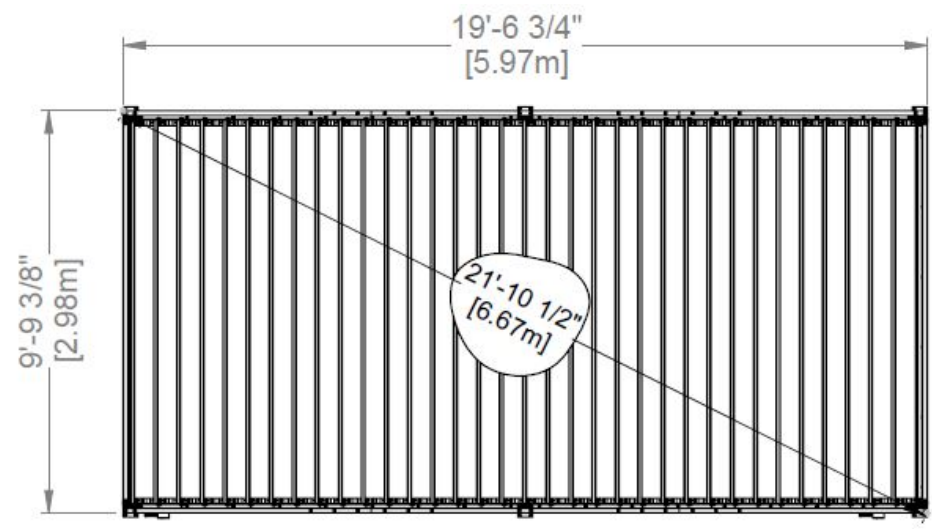
OWNER'S MANUAL - BASIC SETUP DIMENSIONS & ASSEMBLY NOTES

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

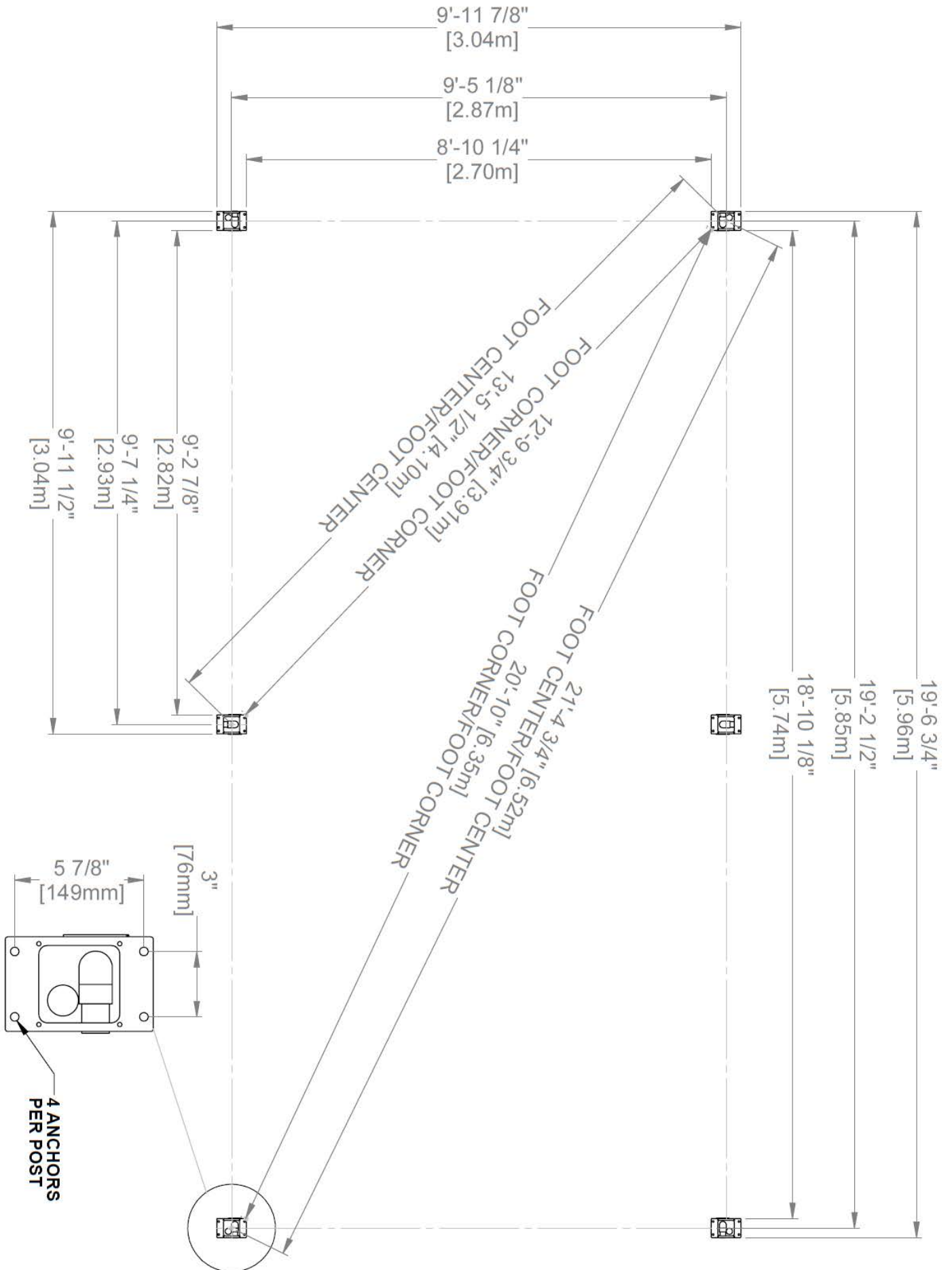
- Pay close attention to the items needed for each step. Make sure you are using the correct hardware for each step. Using incorrect hardware may result in improper assembly
- Remember to double check for underground utilities and overhead electrical lines

Post mounts are provided with your structure which allows you to permanently install your structure to a pre-existing or new wood or 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 structure 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.



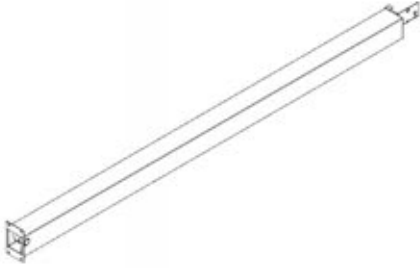
OWNER'S MANUAL - ANCHORING LAYOUT



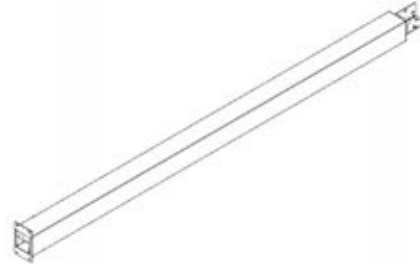
NOTE: DIMENSIONS ARE TO ANCHOR PLATE ON BOTTOM OF POST EXCEPT WHERE NOTED

OWNER'S MANUAL - PARTS IDENTIFICATION

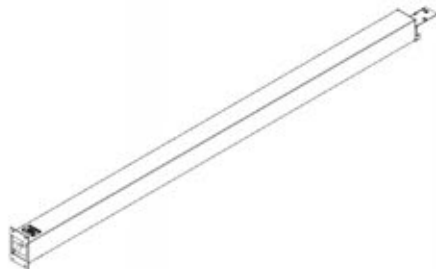
METAL COMPONENTS (NOT TO SCALE)



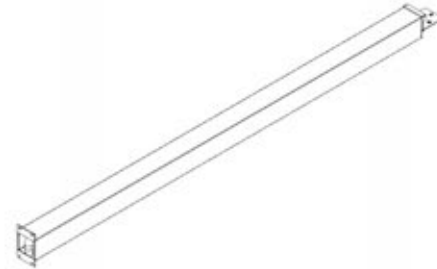
P01 POST - A4M01983
(x1) 4 5/16"x6 3/4"x99 1/2" (110x172x2527)



P02 POST - A4M01984
(x2) 4 5/16"x6 3/4"x99 1/2" (110x172x2527)



P03 POST - A4M02131
(x1) 4 5/16"x6 3/4"x99 1/2" (110x172x2527)



P04 POST - A4M02587
(x2) 4 5/16"x6 3/4"x99 7/16" (110x172x2525.5)



G02 GUTTER - A4M02583
(x4) 1 9/16"x1 15/16"x111" (40x50x2819)



G01 GUTTER - A4M01993
(x2) 1 9/16"x1 15/16"x108 7/8" (40x50x2765)



M01 LOUVER MOUNT - A4M02593
(x1) 1"x1 15/16"x110 3/4" (25x49x2813)



M02 LOUVER MOUNT - A4M02594
(x1) 1"x1 15/16"x110 3/4" (25x49x2813)



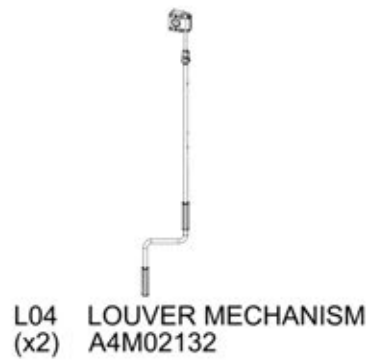
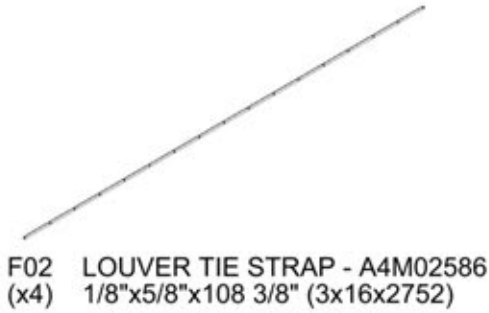
M04 LOUVER MOUNT - A4M02596
(x1) 1"x1 15/16"x110 3/4" (25x49x2813)



M03 LOUVER MOUNT - A4M02595
(x1) 1"x1 15/16"x110 3/4" (25x49x2813)

OWNER'S MANUAL - PARTS IDENTIFICATION

METAL COMPONENTS (NOT TO SCALE)



B01 BEAM - A4M01986
(x2) 1 7/16"x5 1/4"x114 1/2" (36x134x2910)



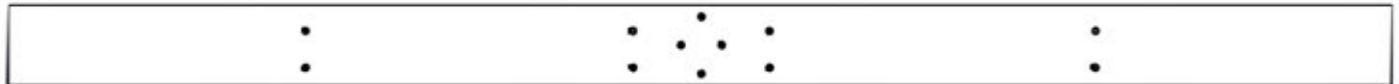
B02 BEAM - A4M02588
(x1) 1 7/16"x5 1/4"x72 7/16" (36x134x1839)



B03 BEAM - A4M02589
(x1) 1 7/16"x5 1/4"x72 7/16" (36x134x1839)



B04 BEAM - A4M02590
(x1) 1 7/16"x5 1/4"x72 7/16" (36x134x1839)



B05 BEAM - A4M02591
(x2) 1 7/16"x5 1/4"x89 7/8" (36x134x2283)



B06 BEAM - A4M02592
(x1) 1 7/16"x5 1/4"x72 7/16" (36x134x1839)



J1 SPLICE BRACKET - A4M02230
(x4) 1 5/16"x5 3/16"x39 3/8" (33.2x131.2x1000)

OWNER'S MANUAL - PARTS IDENTIFICATION

METAL COMPONENTS (NOT TO SCALE)



L02 LOUVER DRIVE SIDE PLATE - A4M02134
(x2) 1/16"x2 3/16"x6 9/16" (2x55x167)



L03 LOUVER SIDE PLATE - A4M02334
(x66) 1/16"x2 3/16"x6 9/16" (2x55x167)



F05 KEY STOCK - A4M02226
(x2) 1/2"x1/2"x3 3/4" (13x13x95)



F07 COVER - A4M02228
(x2) 1 9/16"x2 7/8"x3 1/4" (39.5x73x82)



F04 LINKAGE STRAP - A4M02225
(x2) 1/8"x13/16"x2 5/8" (3x20x66)



F03 LINKAGE STRAP - A4M02229
(x2) 1/2"x11/16"x3 13/16" (13x17x97)



S01 SCREEN - A4M02005
(x4) 1/16"x2 11/16"x2 11/16" (2x68x68)



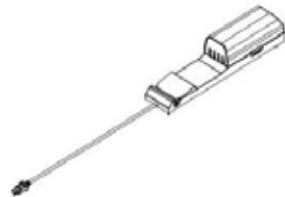
S02 SCREEN - A4M02584
(x2) 1/16"x2 11/16"x4 1/8" (2x68x104)



F06 SPACER - A4M02227
(x2) 1/16"x2 3/16"x2 3/4" (1.5x56x70)



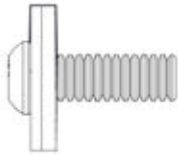
A6P00796 SILICONE
(x1)



9205413 ELECTRICAL
(x1) ENCLOSURE

OWNER'S MANUAL - PARTS IDENTIFICATION

HARDWARE COMPONENTS (NOT TO SCALE)



H101202 TORX PAN HEAD
(x176) 1/4-20x3/4" ASSY



H101101 TORX PAN HEAD
(x2) 1/4-20x3/4" BLK



H101126 TORX PAN HEAD
(x8) 1/4-20x2 1/8" BLK



H101187 BOLT PPH
(x2) 8-32x1 1/8" BLK



H101189 LOW PROFILE SHOULDER BOLT
(x4) 1/4-20x3/8" BLK



H100408 SCREW PWH
(x136) 8x1/2 BLK



H100120 CONCRETE
(x24) ANCHOR



H101230 BOLT WH
(x20) 5/16x6 S.S.



H101161 COTTER PIN
(x68)



H100474 WASHER FLAT
(x10) 9x19 BLK



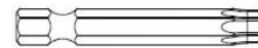
H100630 WASHER FLAT
(x24) 8x19 BLK



H100653 NUT LOCK
(x4) 1/4 BLK



H100774 WASHER SPLIT
(x2) 1/4 BLK



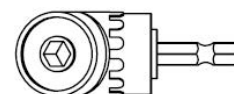
H100147 TORX BIT
(x1) T-30



H100114 TORX WRENCH
(x1) T-30



H101100 MAGNETIC DRIVER
(x1)



H101114 RIGHT ANGLE
(x1) DRILL ADAPTER

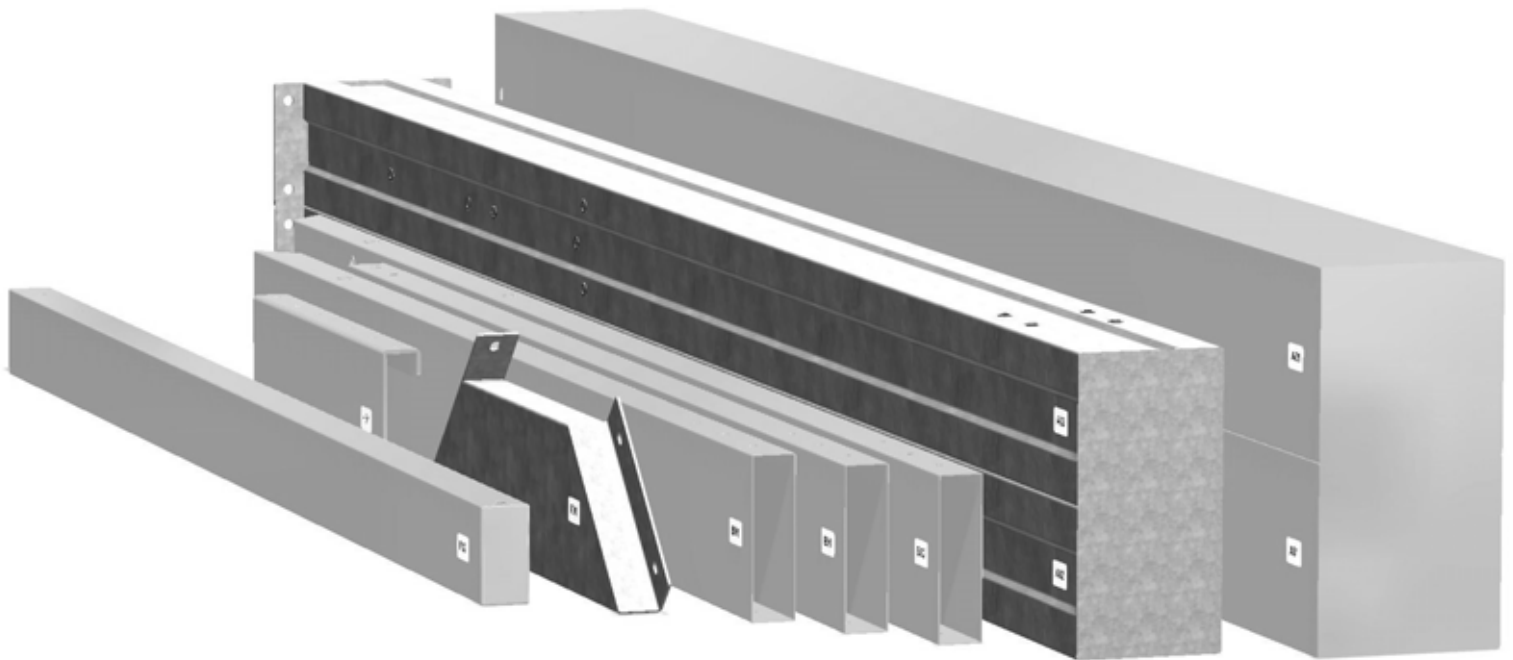
PRE-ASSEMBLY STEP 1 - SORTING PARTS

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

METAL PARTS:

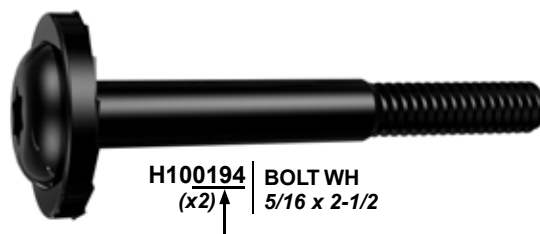
- Organize metal parts by the three-digit, alpha-numeric number stamped on each part (ex. P01).
- If there are multiple parts with the same stamped number, stack those pieces together.
- Stamps can be found on the flat surface of the parts or on the end of the parts.
- Allow yourself plenty of room -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

**NOTE: CARTONS ARE NOT ORGANIZED BY PART NUMBER.
IT IS RECOMMENDED TO LEAVE LOUVER ASSEMBLIES IN BOX UNTIL NEEDED.**



HARDWARE PARTS:

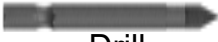
- We recommend that you have a separate table to organize the hardware.
- Hardware bags are printed with a seven-digit, alpha-numeric part number.
- You can organize your hardware by part number or group by hardware type (i.e. bolts, nuts, etc.).
- During assembly you only need to reference the last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



PRE-ASSEMBLY STEP 2 - TOOLS REQUIRED



Cordless Drill
or Electric Drill



Drill
Attachments:
Phillips Head



1/8", 3/16", 3/8" &
7/16" Drill Bits



Open End
Wrench 7/16"



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



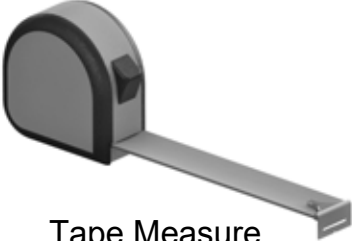
Phillips Screw Driver



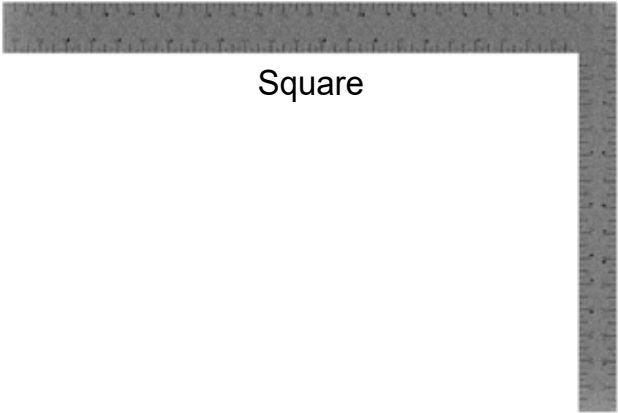
Claw Hammer



Rubber Mallet
- Optional



Tape Measure



Square

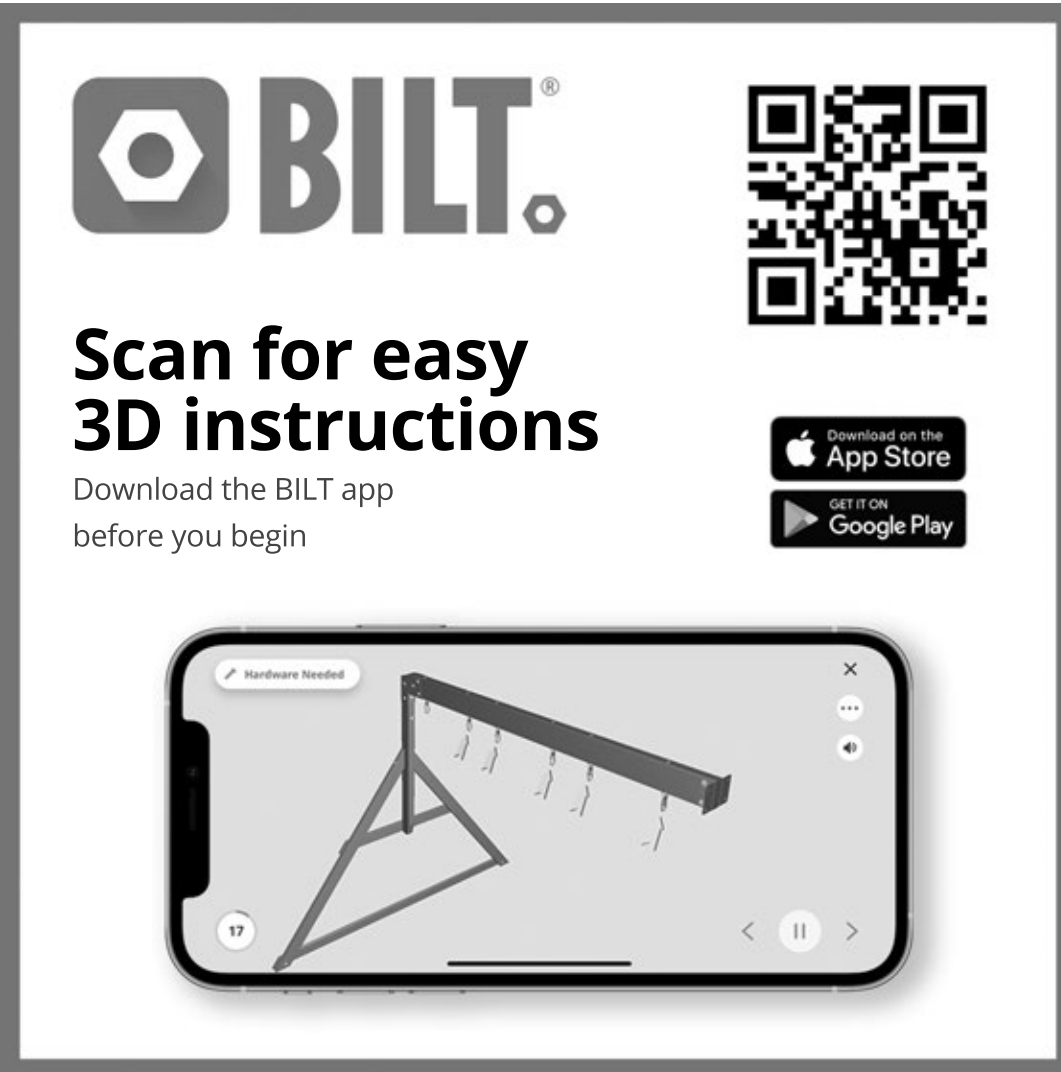


Level 24"

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)



The graphic features the BILT logo (a hexagon with a bolt head inside) and the word "BILT." in a bold, sans-serif font. To the right is a large QR code. Below the logo, the text "Scan for easy 3D instructions" is written in a large, bold font. Underneath that, it says "Download the BILT app before you begin". To the right of this text are two buttons: "Download on the App Store" and "GET IT ON Google Play". At the bottom, a smartphone screen displays a 3D assembly instruction for step 17, showing a metal frame with a horizontal bar and several bolts being attached. The screen has a "Hardware Needed" label at the top left, a close button (X) at the top right, and navigation arrows at the bottom.

STEP 1 - BEAM ASSEMBLY

QTY	PartNo	Description
6	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY



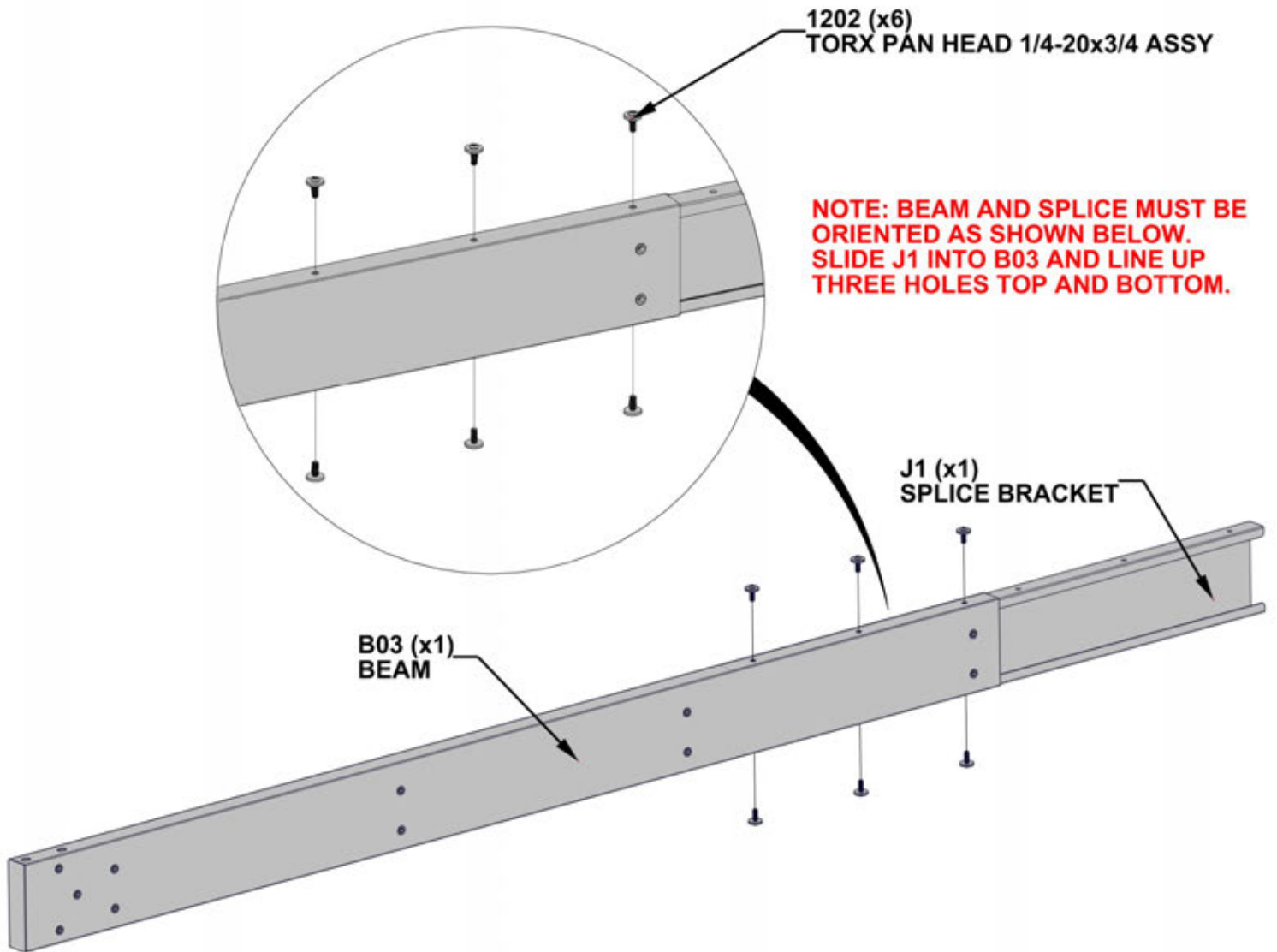
B03 BEAM - A4M02589
(x1) 1 7/16"x5 1/4"x72 7/16" (36x134x1839)



J1 SPLICE BRACKET - A4M02230
(x1) 1 5/16"x5 3/16"x39 3/8" (33.2x131.2x1000)

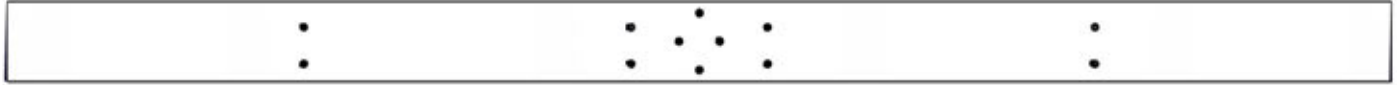
DO NOT TIGHTEN HARDWARE AT THIS STEP

FOR EASE OF ASSEMBLY, WE RECOMMEND USING SAWHORSES FOR STEPS 1 - 11



STEP 2 - BEAM ASSEMBLY

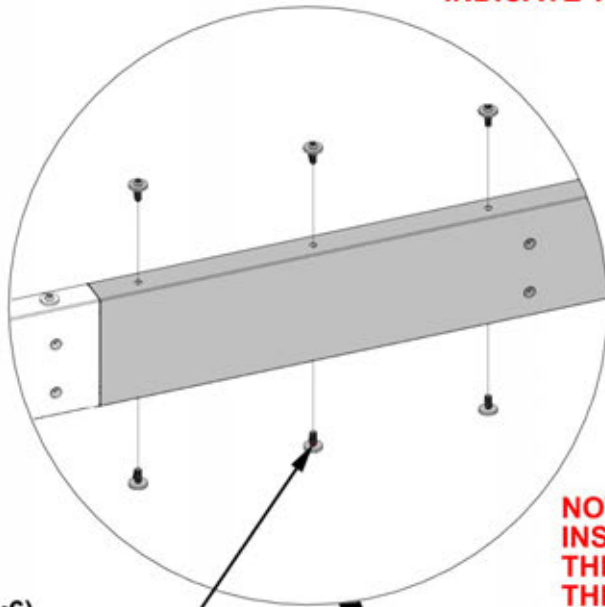
QTY	PartNo	Description
6	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY



B05 BEAM - A4M02591
(x1) 1 7/16"x5 1/4"x89 7/8" (36x134x2283)

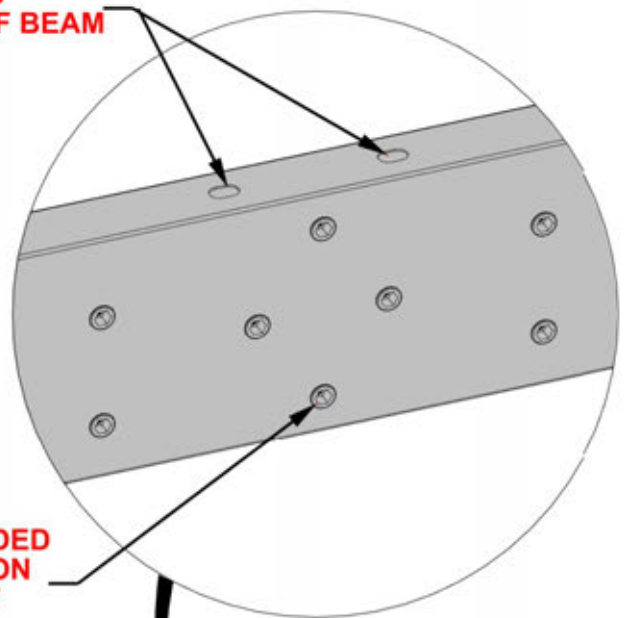
**SLIDE B05 INTO SPLICE BRACKET.
GENTLY TAP ENDS OF ASSEMBLY WITH
RUBBER Mallet UNTIL GAP CLOSSES,
THEN TIGHTEN ALL BOLTS ON BEAM.**

**NOTE: SMALL OVAL HOLES
INDICATE TOP SURFACE OF BEAM**



1202 (x6)
TORX PAN HEAD
1/4-20x3/4 ASSY

**NOTE: ALL THREADED
INSERTS WILL BE ON
THE SAME SIDE OF
THE BEAM**



B05 (x1)
BEAM

B03
BEAM

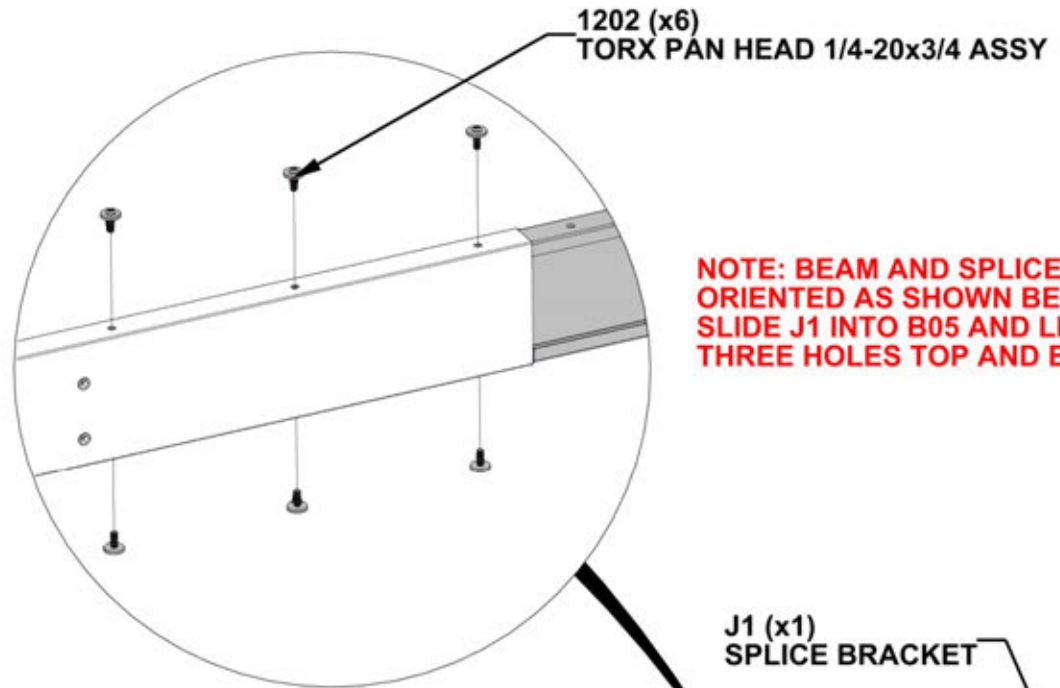
STEP 3 - BEAM ASSEMBLY



J1 SPLICE BRACKET - A4M02230
(x1) 1 5/16"x5 3/16"x39 3/8" (33.2x131.2x1000)

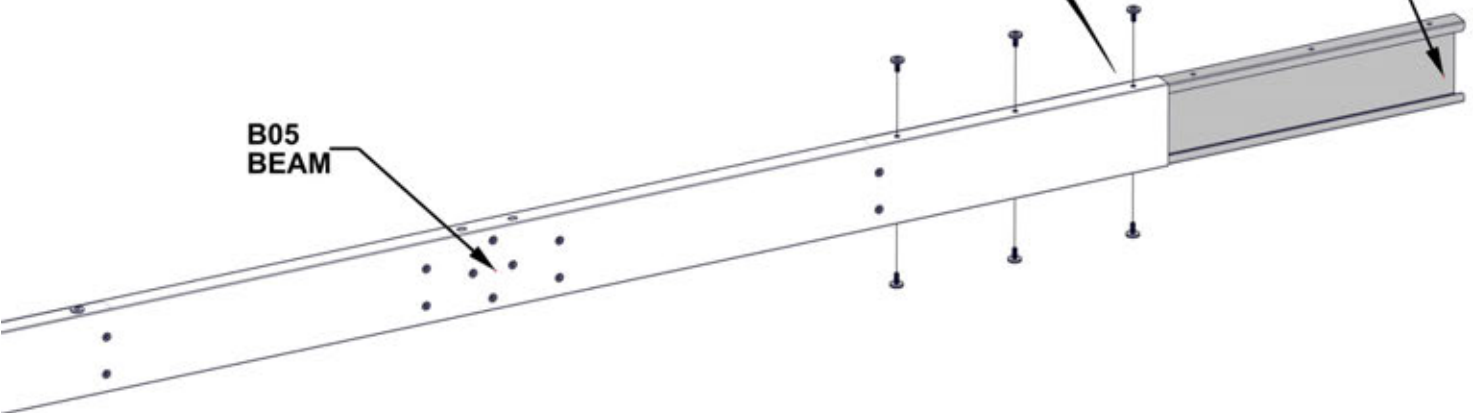
QTY	PartNo	Description
6	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY

DO NOT TIGHTEN HARDWARE AT THIS STEP



NOTE: BEAM AND SPLICE MUST BE ORIENTED AS SHOWN BELOW. SLIDE J1 INTO B05 AND LINE UP THREE HOLES TOP AND BOTTOM.

B05
BEAM



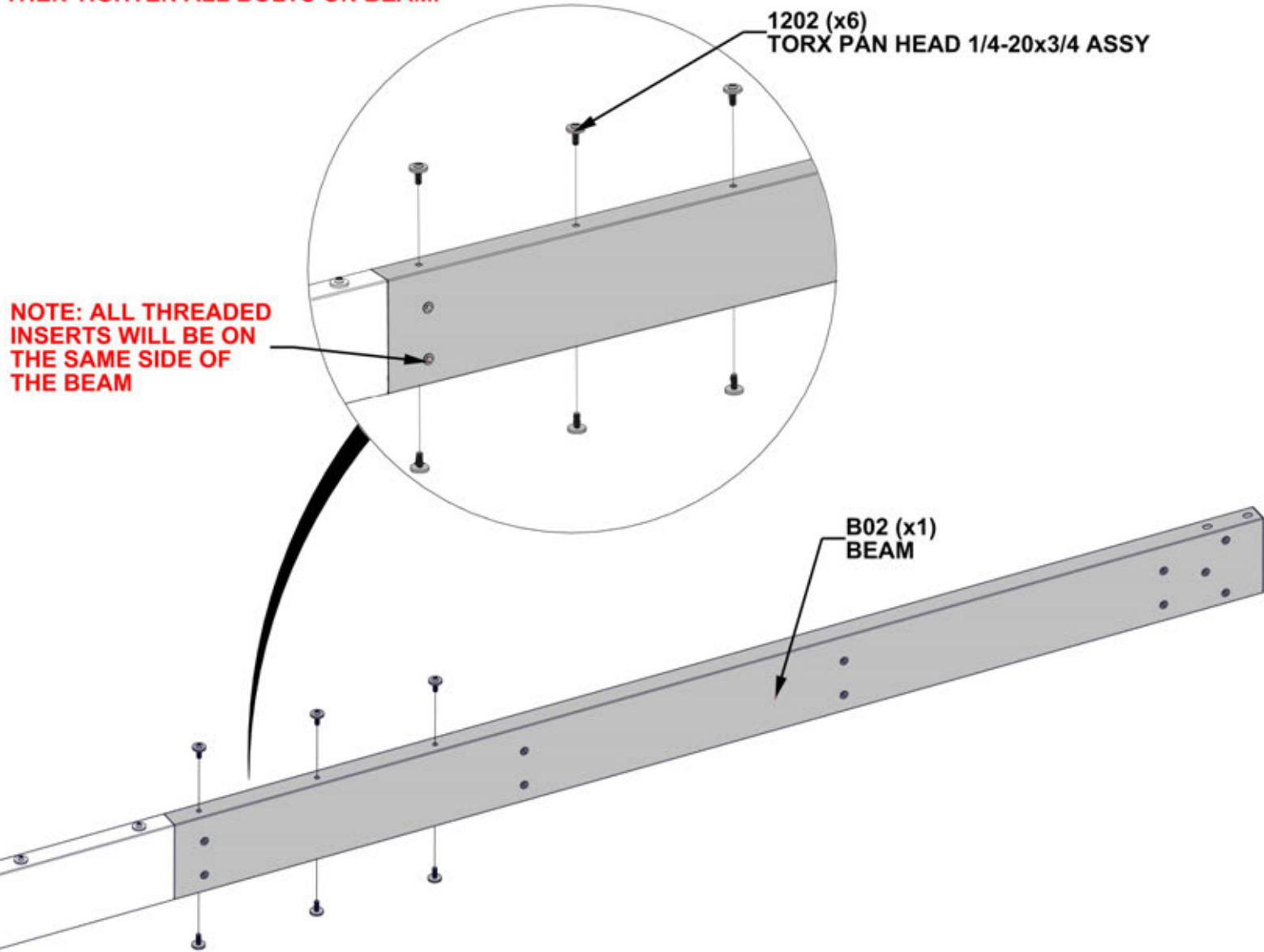
STEP 4 - BEAM ASSEMBLY

QTY	PartNo	Description
6	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY



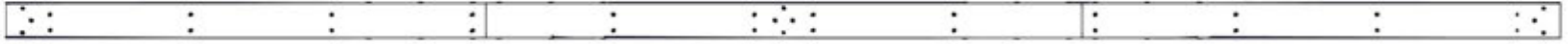
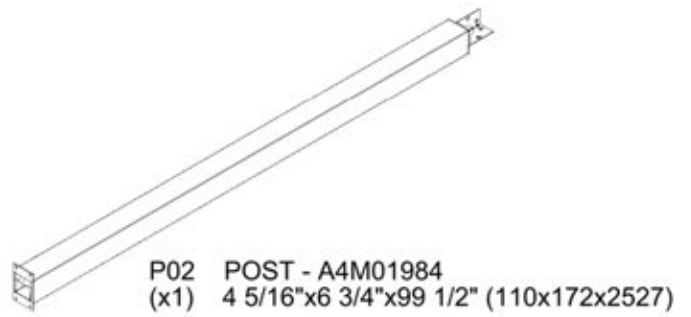
B02 BEAM - A4M02588
(x1) 1 7/16"x5 1/4"x72 7/16" (36x134x1839)

**SLIDE B02 INTO SPLICE BRACKET.
GENTLY TAP ENDS OF ASSEMBLY WITH
RUBBER Mallet UNTIL GAP CLOSES,
THEN TIGHTEN ALL BOLTS ON BEAM.**



STEP 5A - FRAME ASSEMBLY

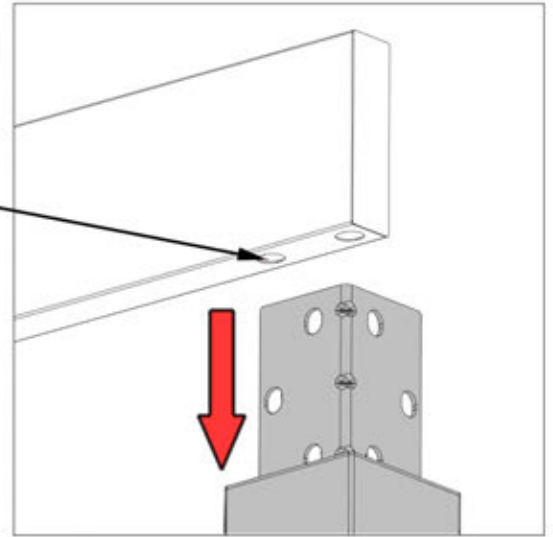
QTY	PartNo	Description
2	H101230	BOLT WH 5/16x6 S.S.



BEAM ASSEMBLY
STEPS 1-4

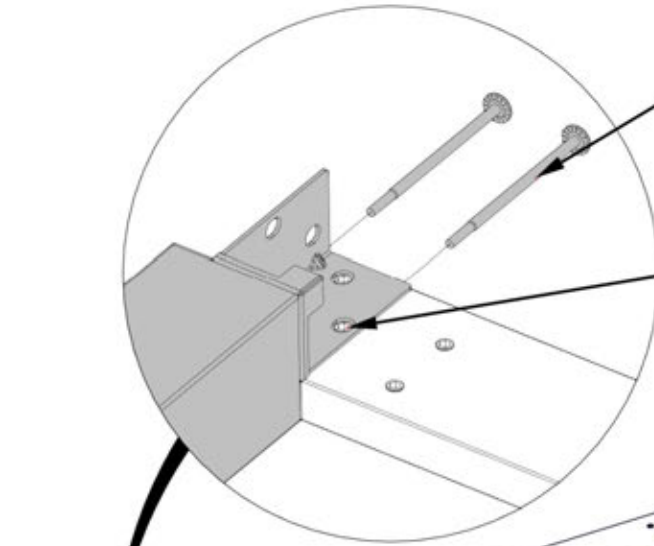
ATTACH BEAM ASSEMBLY TO POST BY ALIGNING SLOTS IN BEAM WITH THREADED INSERTS ON TOP POST PLATE. FLUSH ALL SIDES OF BEAM AND POST BEFORE TIGHTENING HARDWARE

NOTE: LARGE SLOTS INDICATE BOTTOM SURFACE OF BEAM. SLOTS WILL FIT AROUND THREADED INSERTS IN POST PLATE.



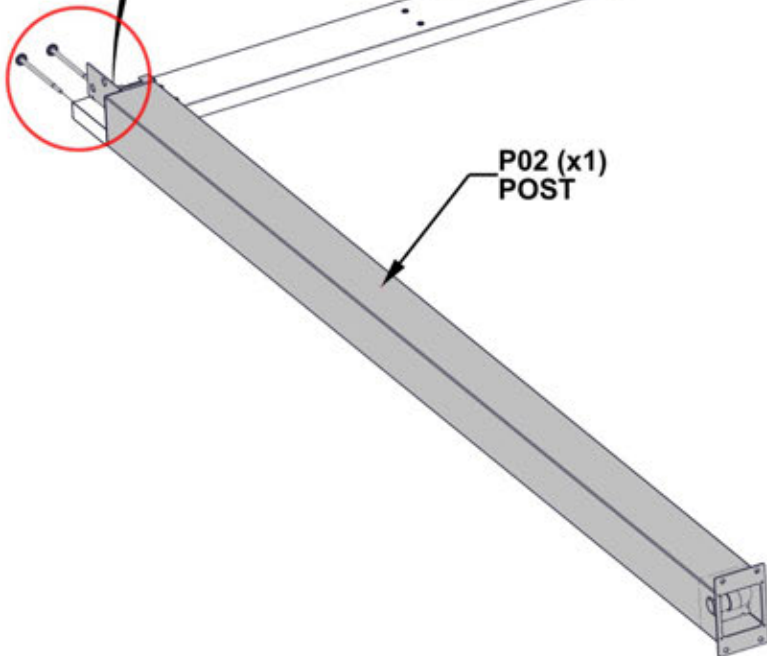
1230 (x2)
BOLT - 6"

NOTE: POST BRACKET WILL FIT AROUND THREADED INSERTS IN BEAM



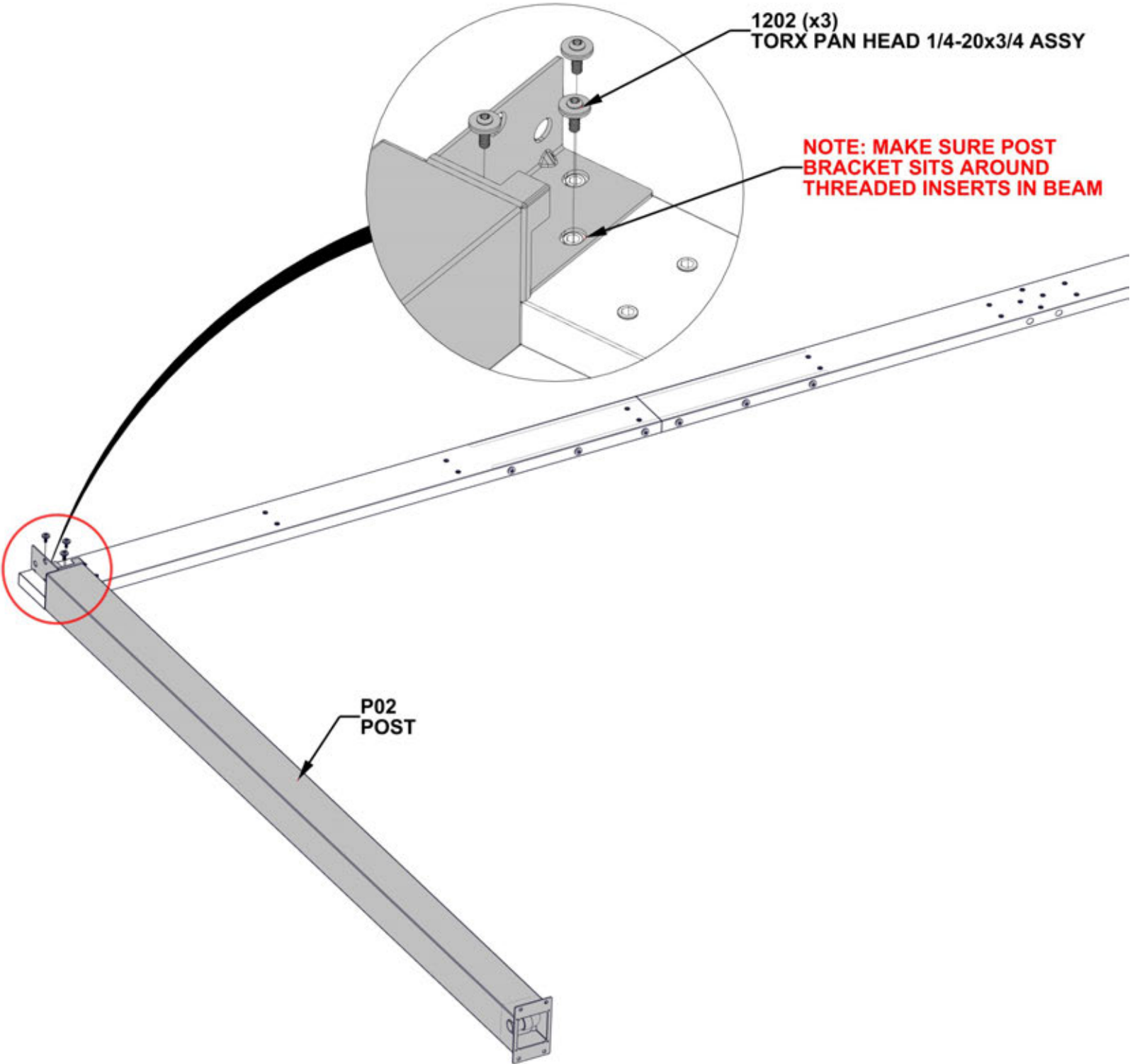
BEAM ASSEMBLY
STEPS 1-4

P02 (x1)
POST

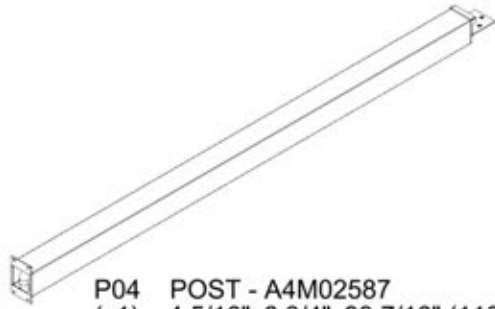


STEP 5B - FRAME ASSEMBLY

QTY	PartNo	Description
3	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY



STEP 6A - FRAME ASSEMBLY

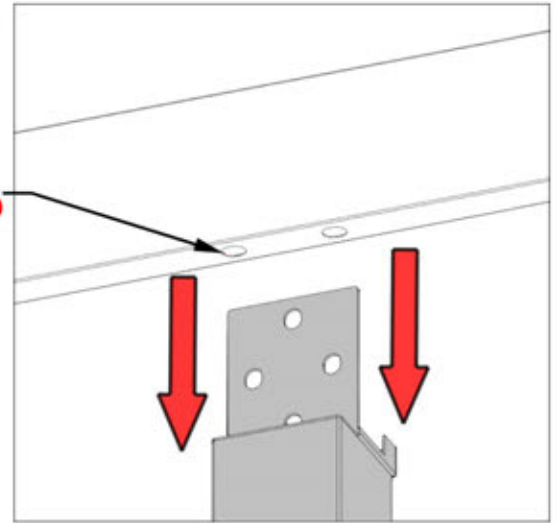


P04 POST - A4M02587
(x1) 4 5/16"x6 3/4"x99 7/16" (110x172x2525.5)

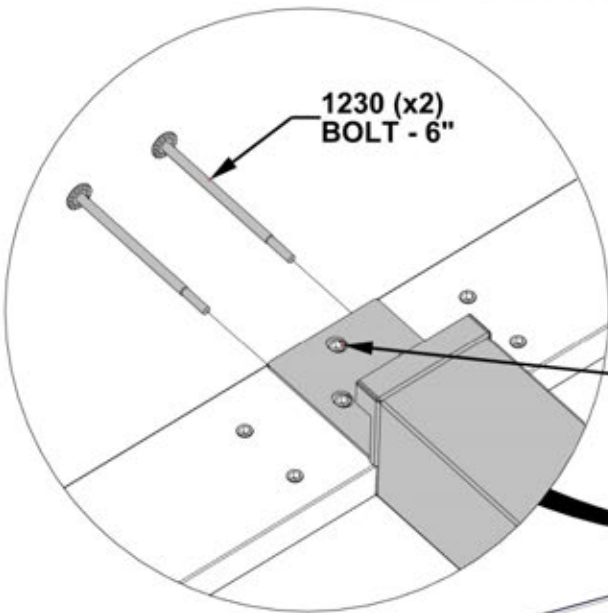
QTY	PartNo	Description
2	H101230	BOLT WH 5/16x6 S.S.

ATTACH BEAM ASSEMBLY TO POST BY ALIGNING SLOTS IN BEAM WITH THREADED INSERTS ON TOP POST PLATE. FLUSH ALL SIDES OF BEAM AND POST BEFORE TIGHTENING HARDWARE

NOTE: LARGE SLOTS INDICATE BOTTOM SURFACE OF BEAM. SLOTS WILL FIT AROUND THREADED INSERTS IN POST PLATE.

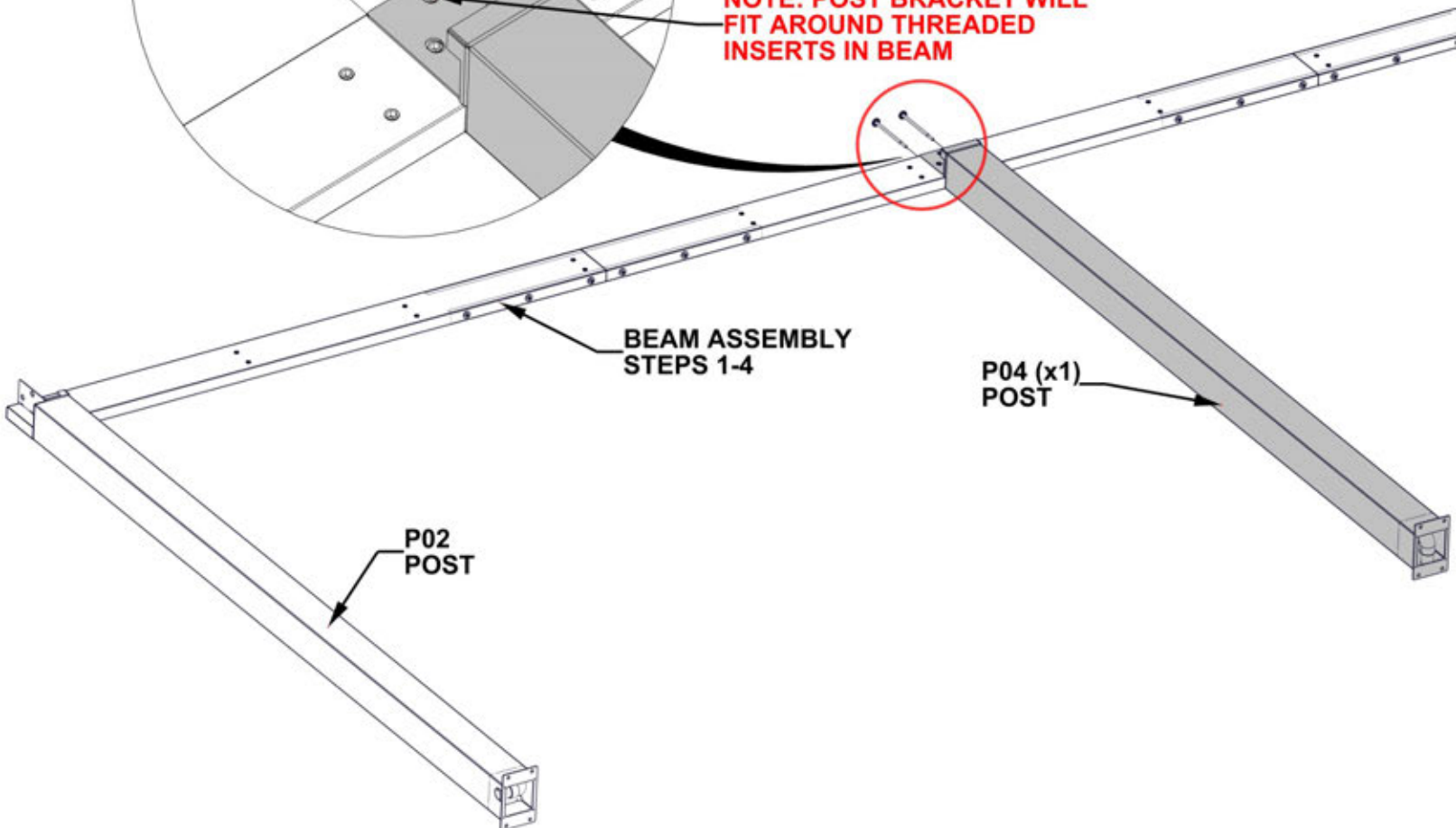


BACK VIEW



1230 (x2)
BOLT - 6"

NOTE: POST BRACKET WILL FIT AROUND THREADED INSERTS IN BEAM



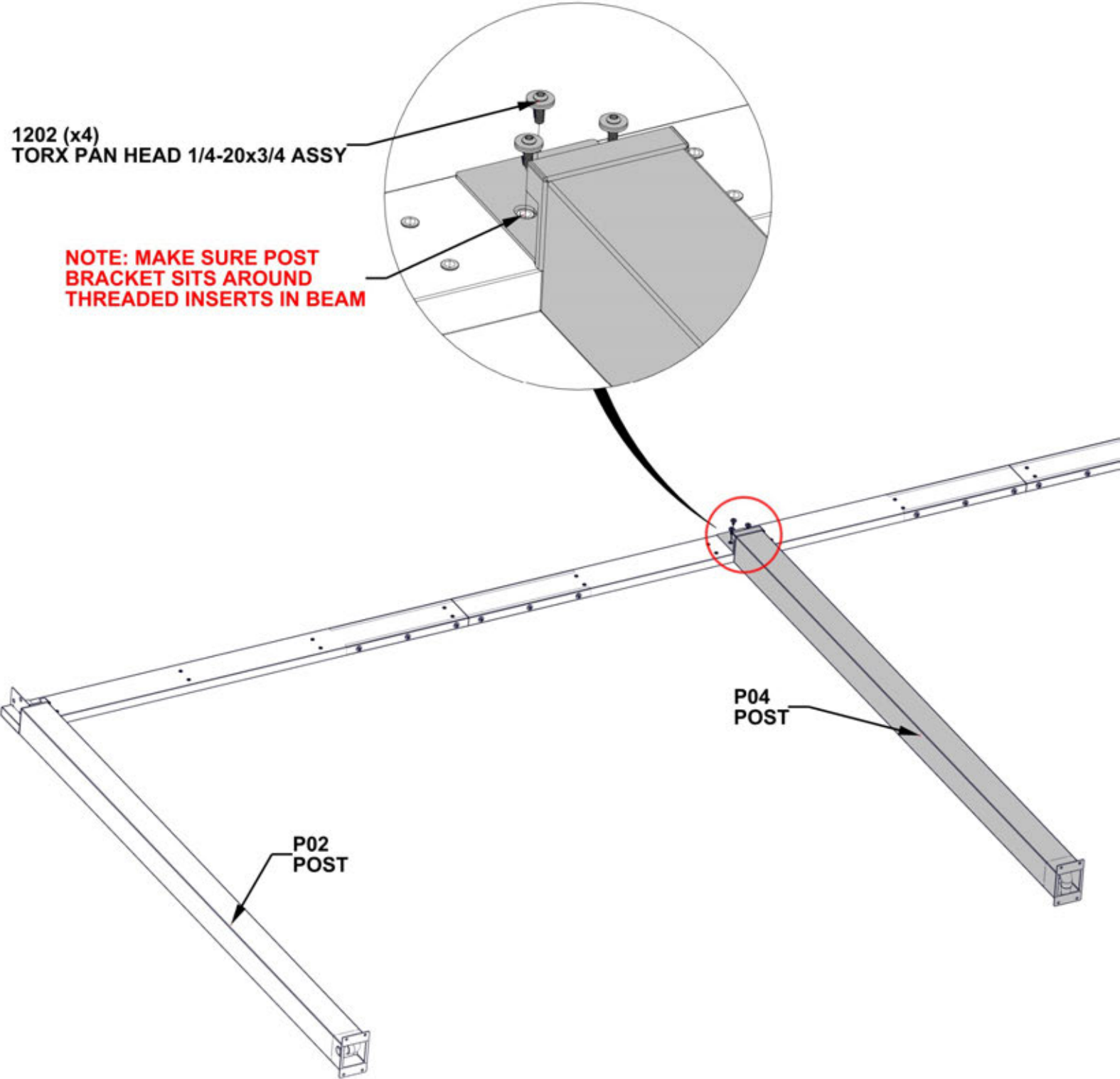
BEAM ASSEMBLY
STEPS 1-4

P04 (x1)
POST

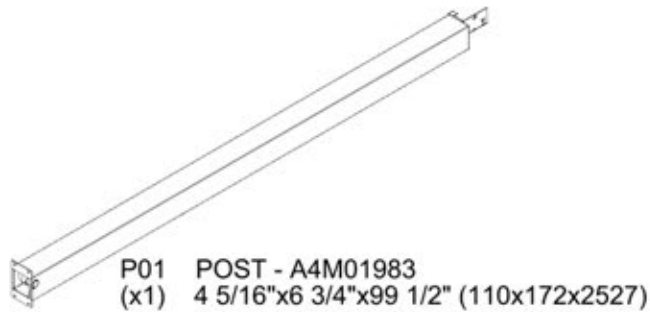
P02
POST

STEP 6B - FRAME ASSEMBLY

QTY	PartNo	Description
4	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY



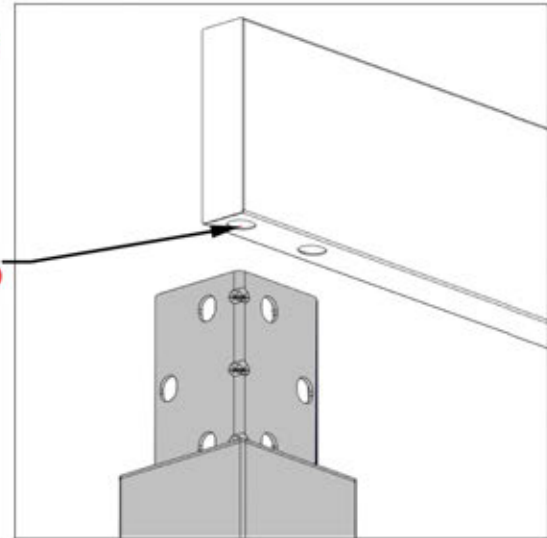
STEP 7A - FRAME ASSEMBLY



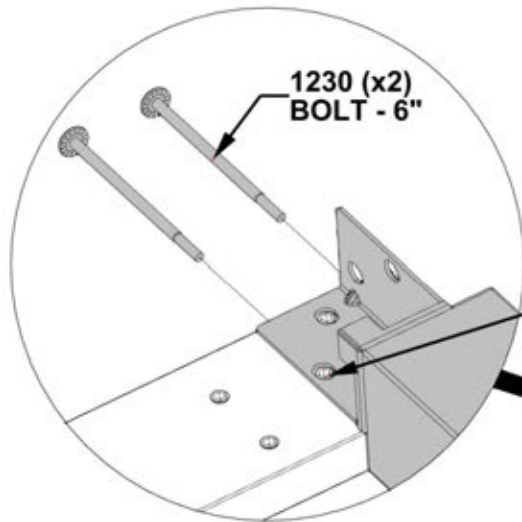
QTY	PartNo	Description
2	H101230	BOLT WH 5/16x6 S.S.

ATTACH BEAM ASSEMBLY TO POST BY ALIGNING SLOTS IN BEAM WITH THREADED INSERTS ON TOP POST PLATE. FLUSH ALL SIDES OF BEAM AND POST BEFORE TIGHTENING HARDWARE

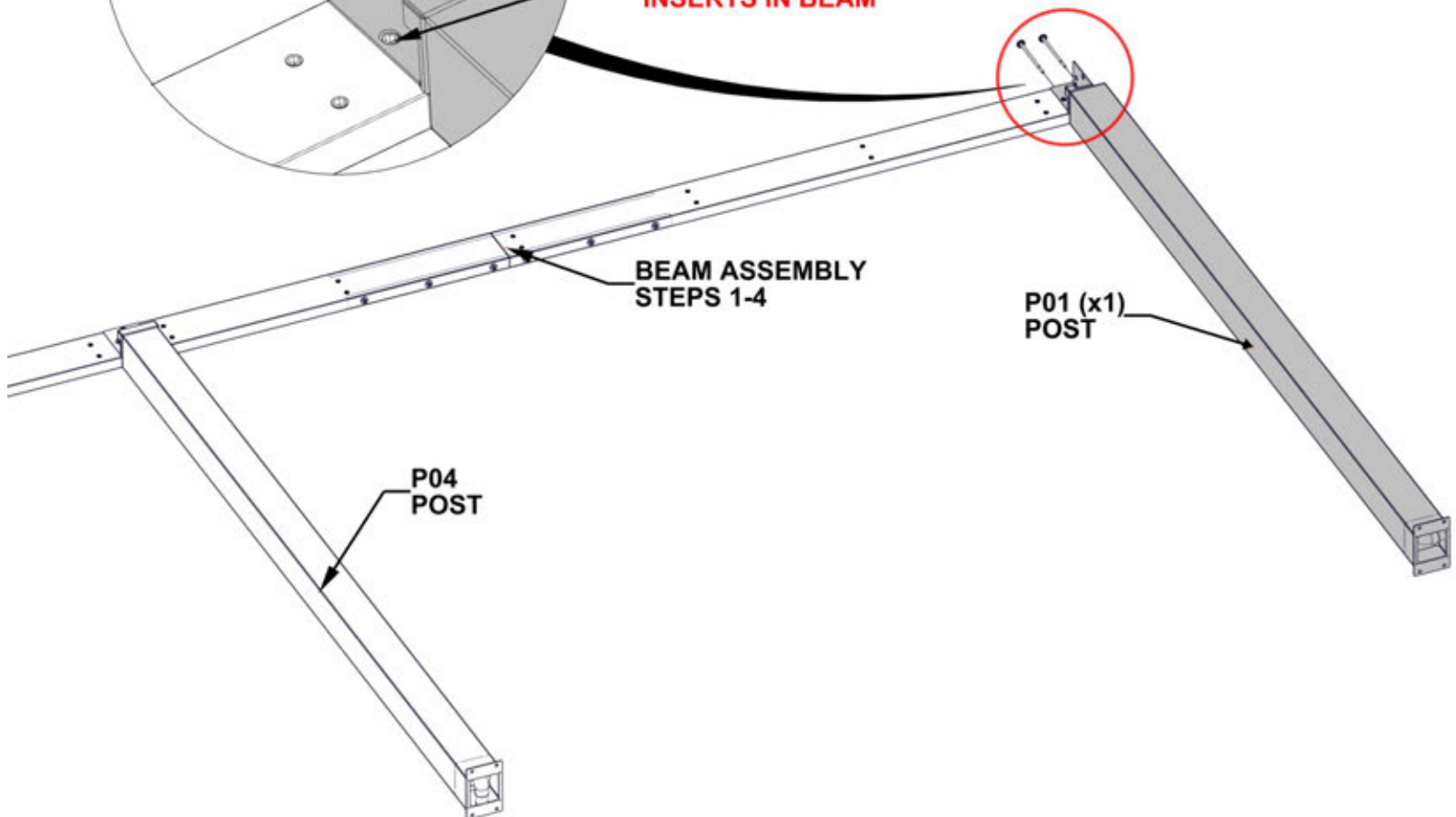
NOTE: LARGE SLOTS INDICATE BOTTOM SURFACE OF BEAM. SLOTS WILL FIT AROUND THREADED INSERTS IN POST PLATE.



BACK VIEW



NOTE: POST BRACKET WILL FIT AROUND THREADED INSERTS IN BEAM

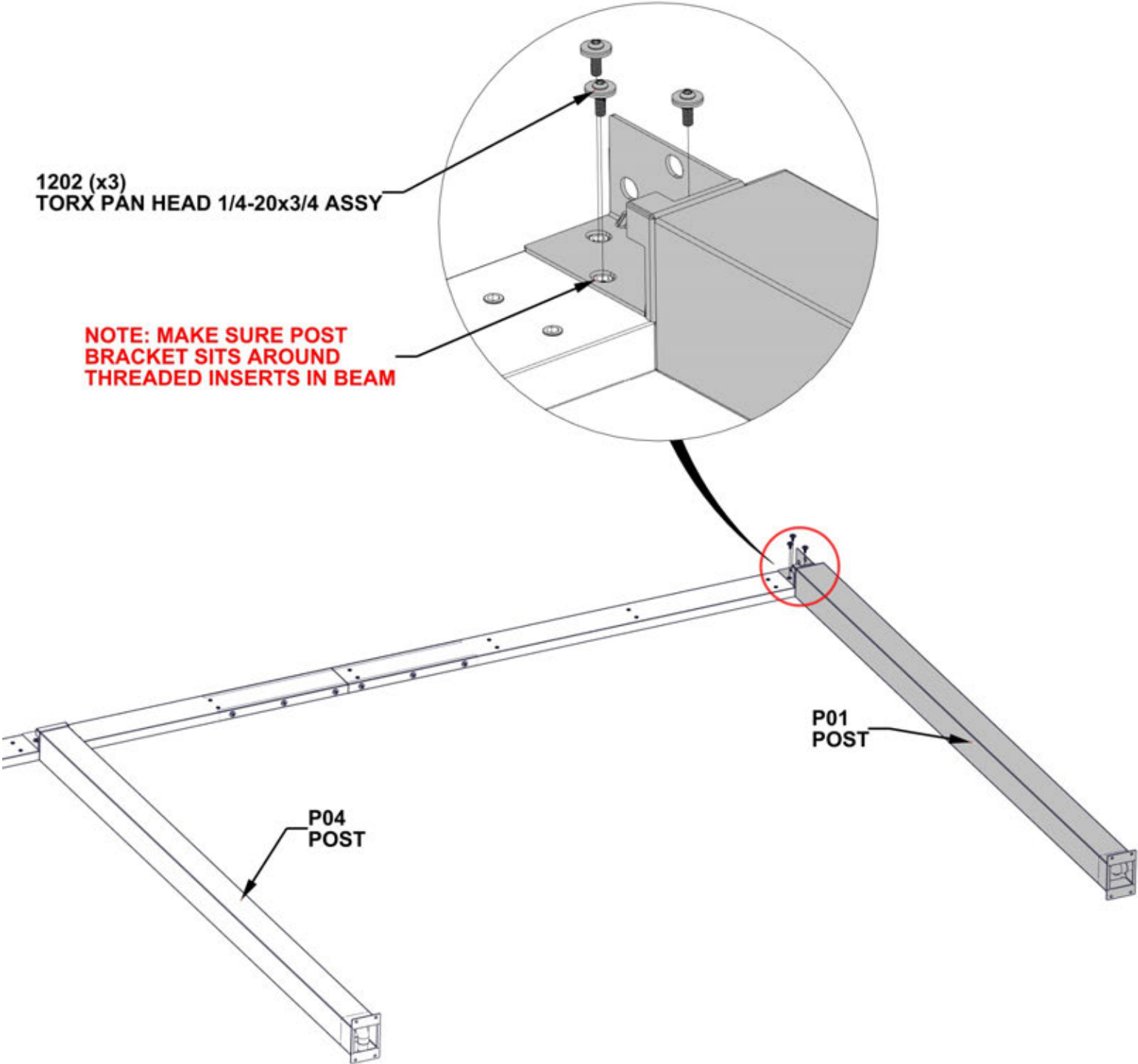


STEP 7B - FRAME ASSEMBLY

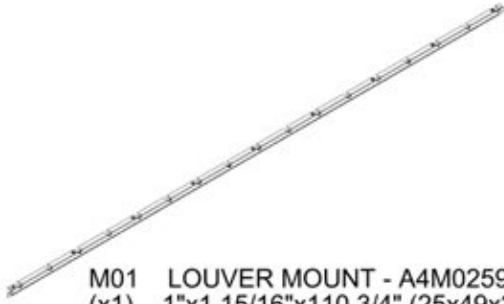
QTY	PartNo	Description
3	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY

1202 (x3)
TORX PAN HEAD 1/4-20x3/4 ASSY

**NOTE: MAKE SURE POST
BRACKET SITS AROUND
THREADED INSERTS IN BEAM**

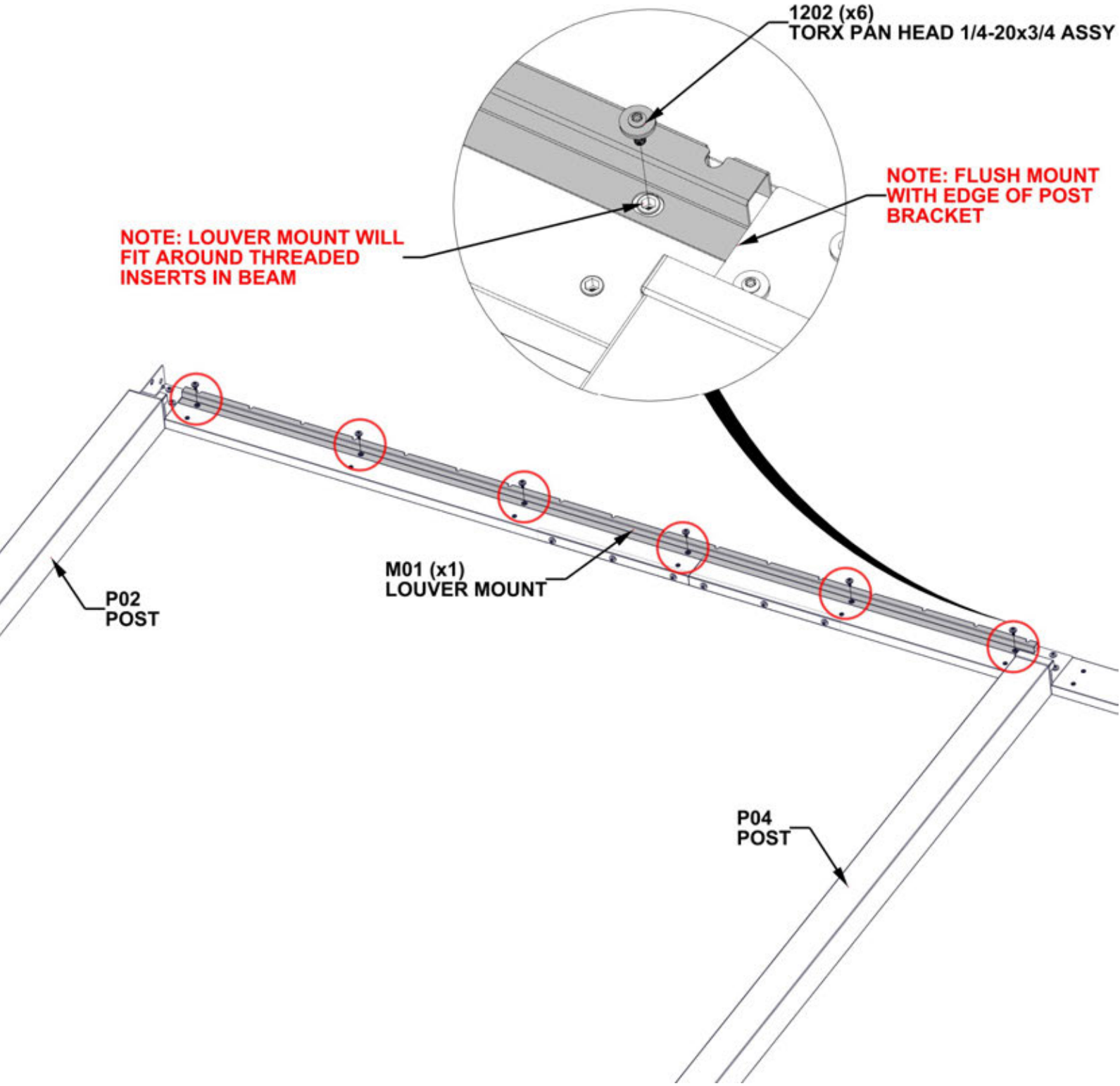


STEP 8 - LOUVER MOUNT ATTACHMENT



M01 LOUVER MOUNT - A4M02593
(x1) 1"x1 15/16"x110 3/4" (25x49x2813)

QTY	PartNo	Description
6	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY



STEP 9 - LOUVER MOUNT ATTACHMENT



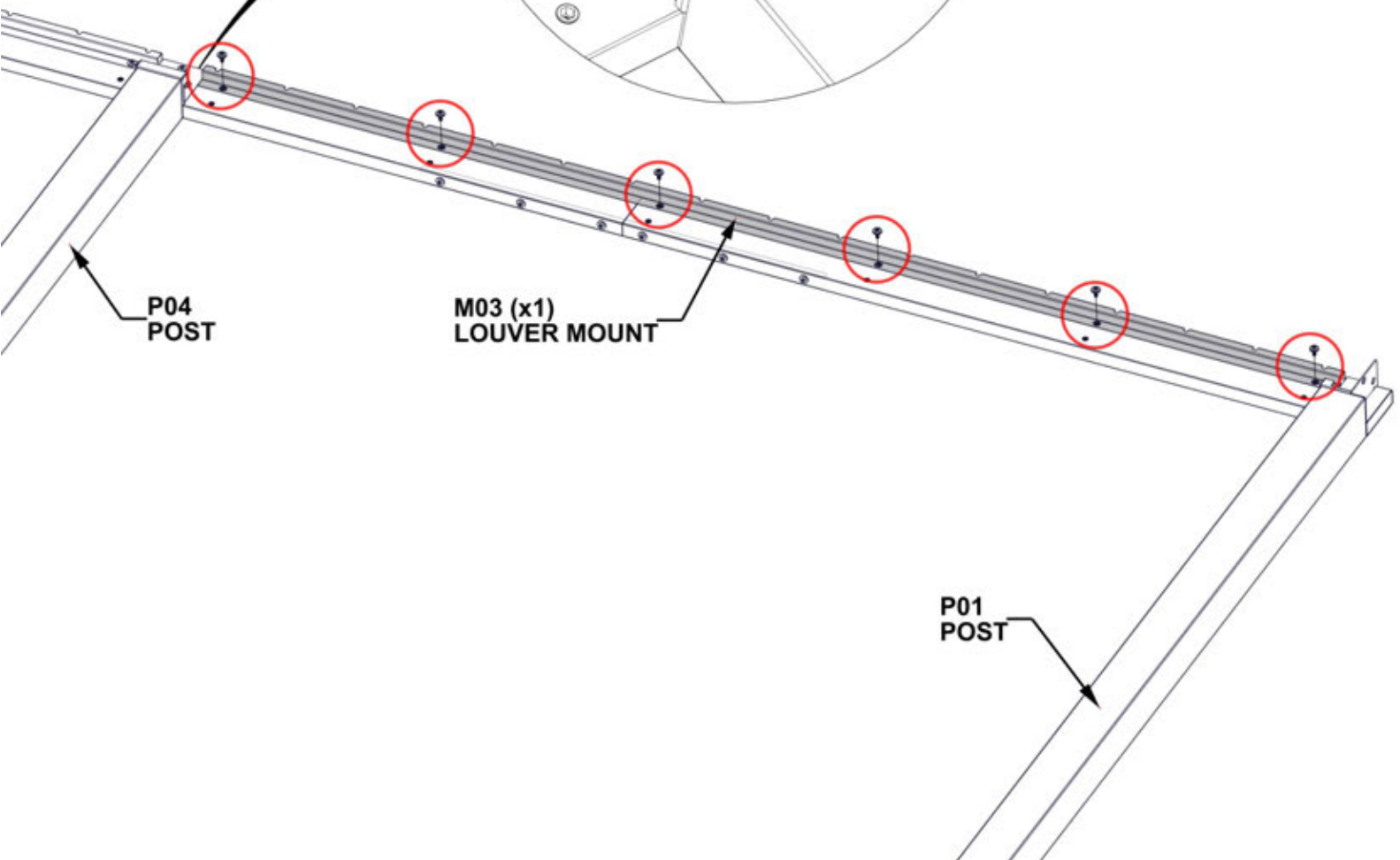
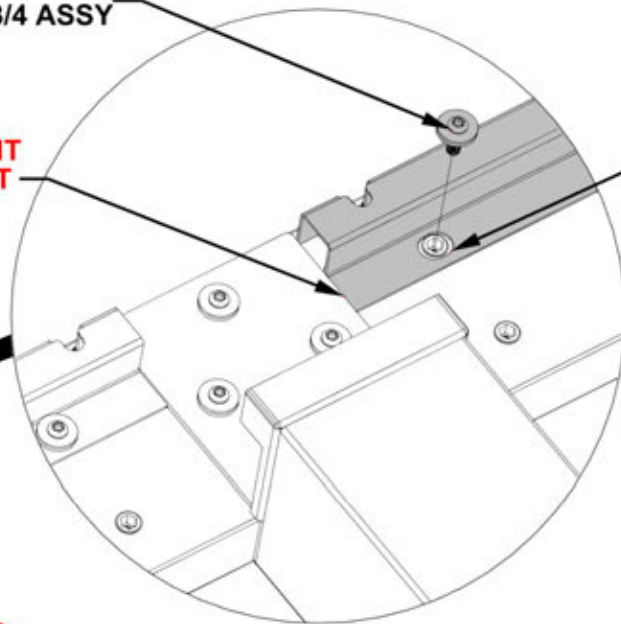
QTY	PartNo	Description
6	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY

M03 LOUVER MOUNT - A4M02595
(x1) 1"x1 15/16"x110 3/4" (25x49x2813)

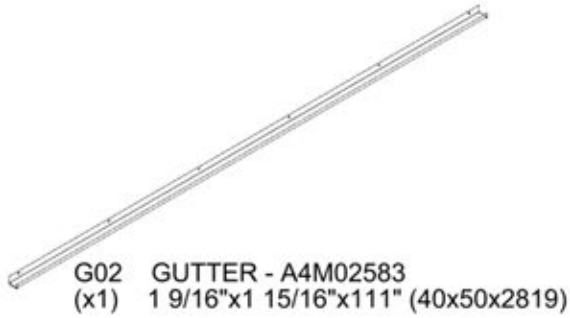
1202 (x6)
TORX PAN HEAD 1/4-20x3/4 ASSY

**NOTE: FLUSH MOUNT
WITH EDGE OF POST
BRACKET**

**NOTE: LOUVER MOUNT WILL
FIT AROUND THREADED
INSERTS IN BEAM**

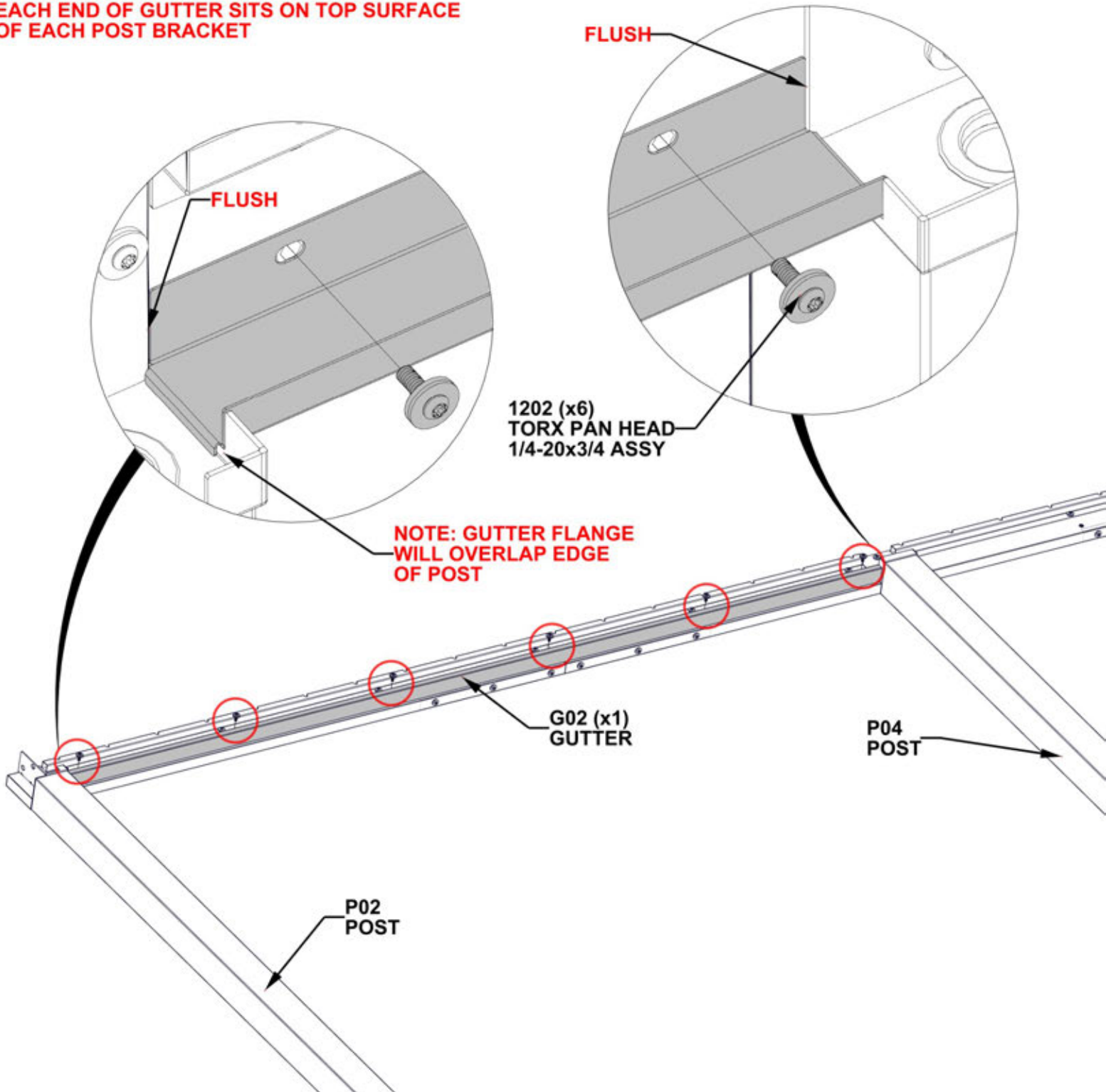


STEP 10 - GUTTER ATTACHMENT

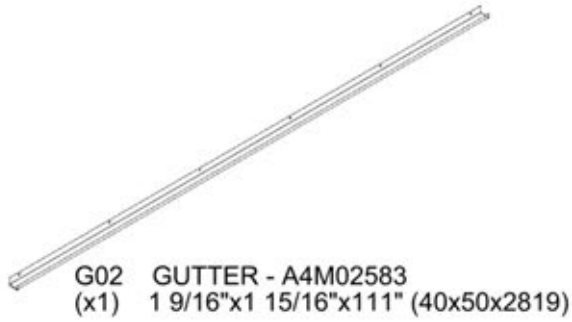


QTY	PartNo	Description
6	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY

ATTACH GUTTER TO BEAM MAKING SURE EACH END OF GUTTER SITS ON TOP SURFACE OF EACH POST BRACKET

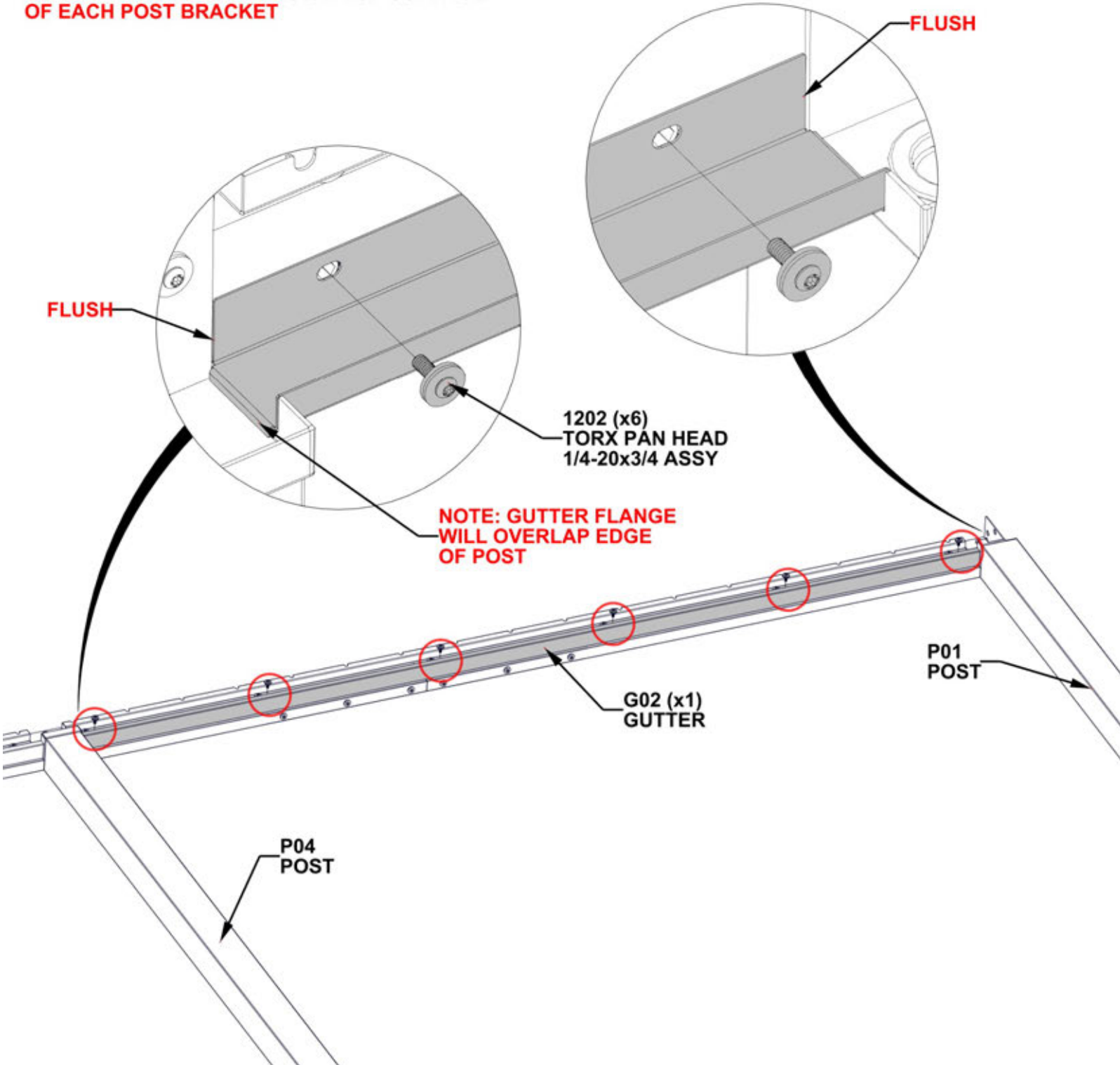


STEP 11 - GUTTER ATTACHMENT



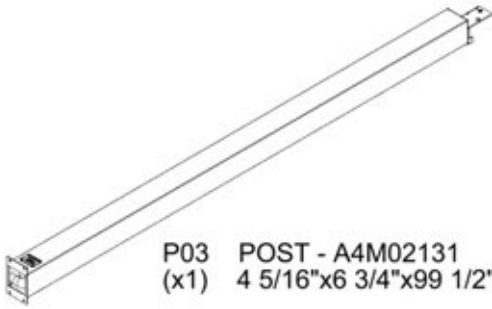
QTY	PartNo	Description
6	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY

ATTACH GUTTER TO BEAM MAKING SURE EACH END OF GUTTER SITS ON TOP SURFACE OF EACH POST BRACKET



STEP 12A - FRAME ASSEMBLY

QTY	PartNo	Description
4	H101230	BOLT WH 5/16x6 S.S.



P03 POST - A4M02131
(x1) 4 5/16"x6 3/4"x99 1/2" (110x172x2527)



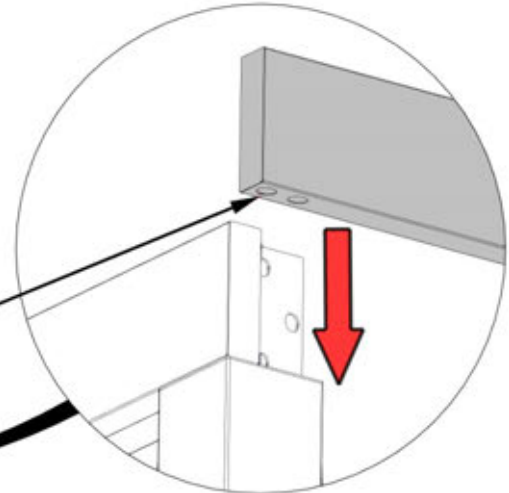
B01 BEAM - A4M01986
(x1) 1 7/16"x5 1/4"x114 1/2" (36x134x2910)

WITH AT LEAST THREE EXTRA PEOPLE, STAND UP FRAME ASSEMBLY FROM PREVIOUS STEPS AND ATTACH B01 BEAM TO P02 AND P03 POST.

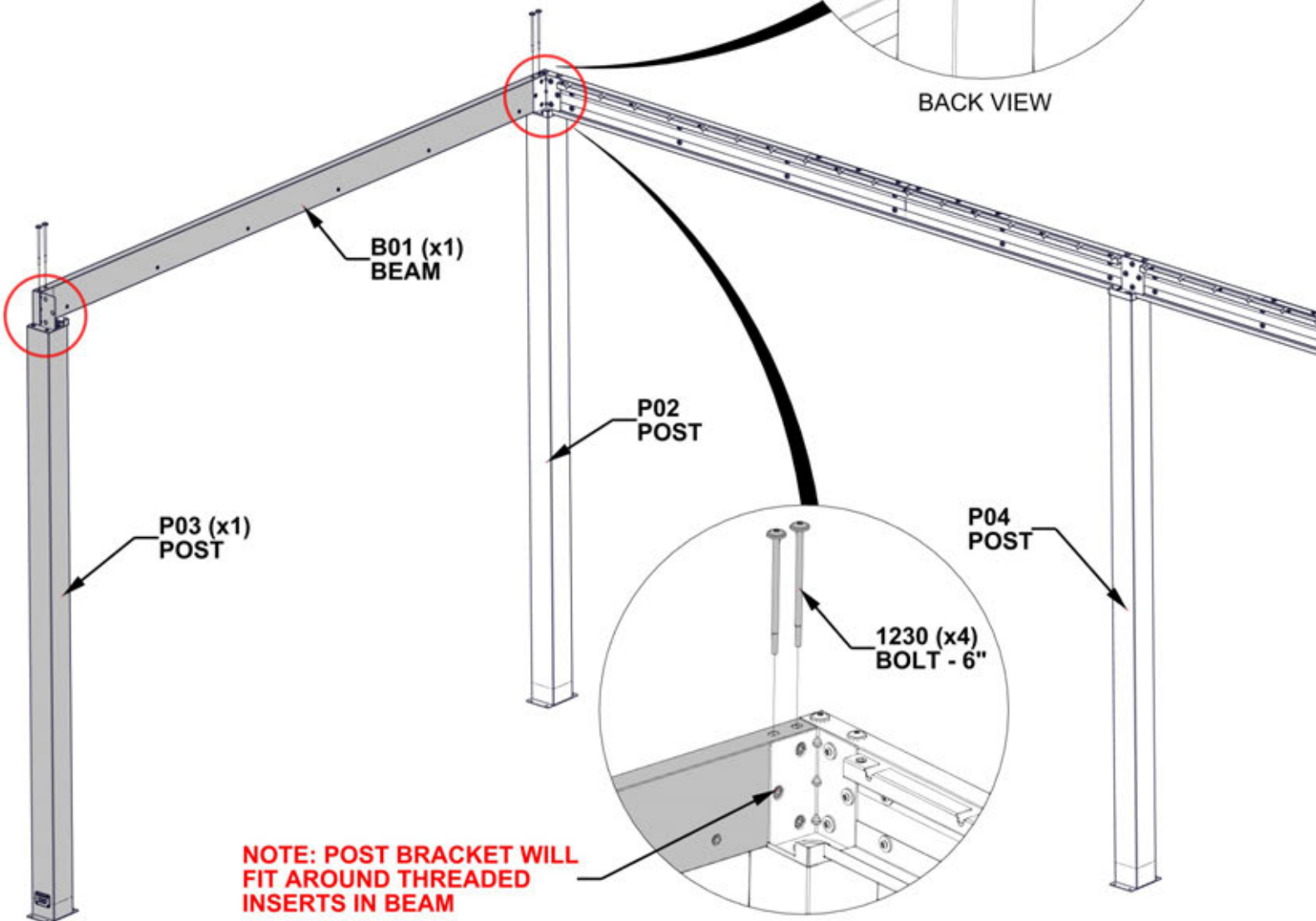
ALIGN SLOTS IN BEAM WITH THREADED INSERTS ON TOP PLATE OF EACH POST. FLUSH ALL SIDES OF BEAM AND POST.

DO NOT TIGHTEN HARDWARE AT THIS STEP

NOTE: LARGE SLOTS INDICATE BOTTOM SURFACE OF BEAM. SLOTS WILL FIT AROUND THREADED INSERTS IN POST PLATE.



BACK VIEW

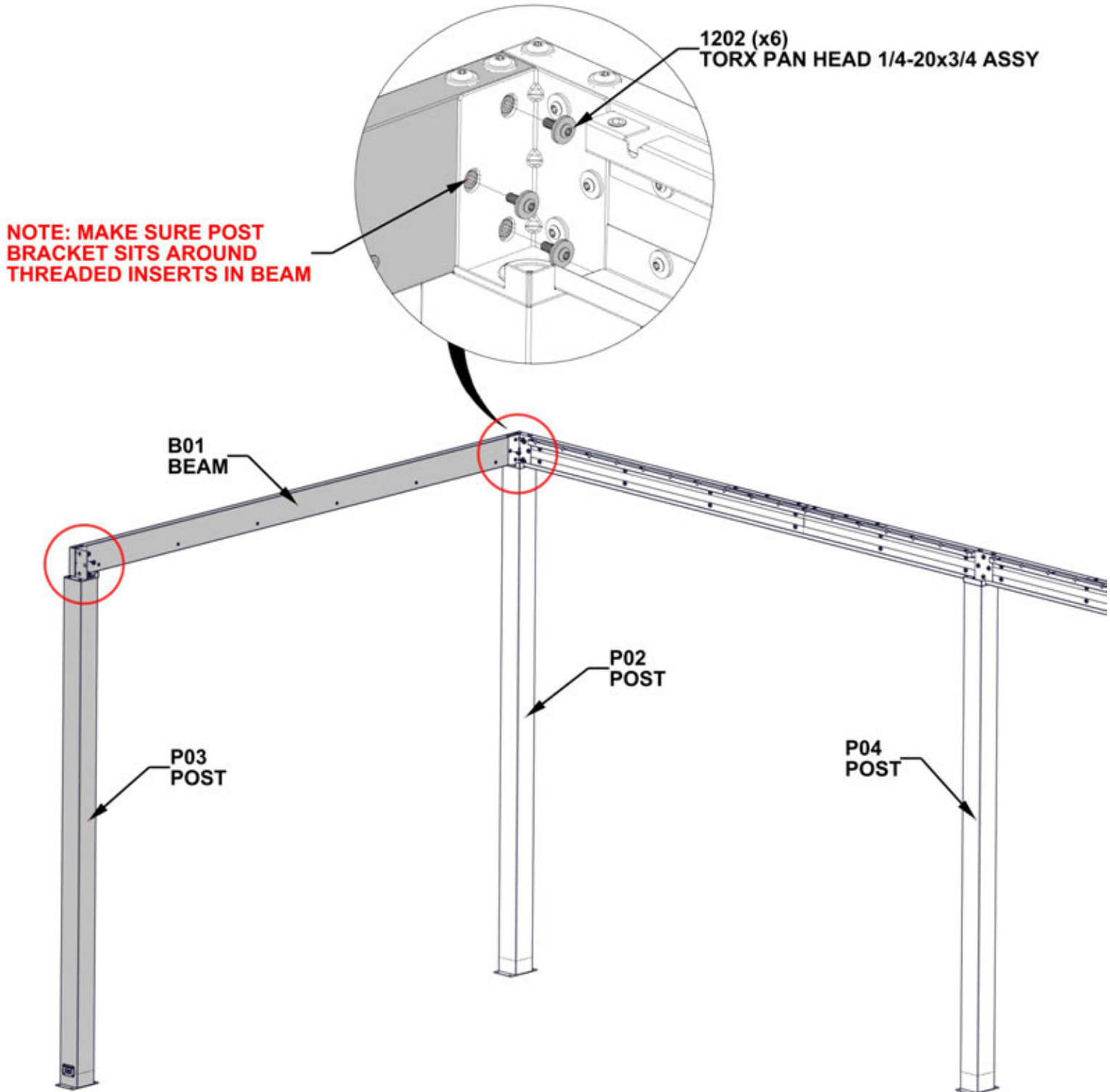


NOTE: POST BRACKET WILL FIT AROUND THREADED INSERTS IN BEAM

STEP 12B - FRAME ASSEMBLY

QTY	PartNo	Description
6	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY

DO NOT TIGHTEN HARDWARE AT THIS STEP



STEP 13 - GUTTER ATTACHMENT

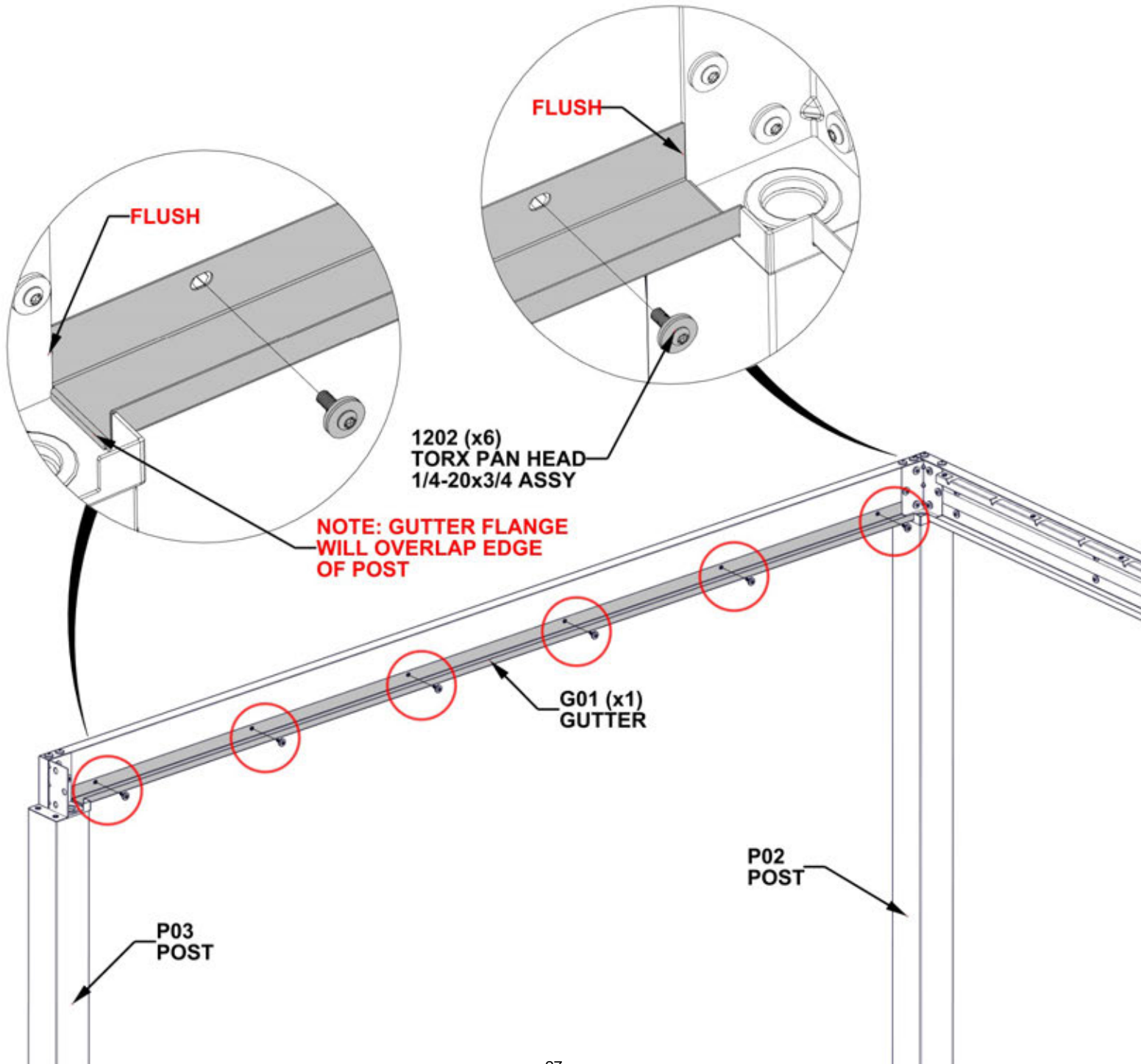


QTY	PartNo	Description
6	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY

G01 GUTTER - A4M01993
(x1) 1 9/16"x1 15/16"x108 7/8" (40x50x2765)

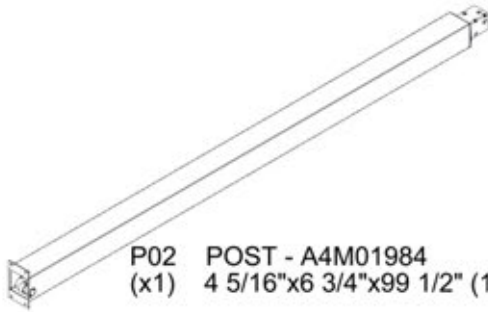
**WITH AN ADDITIONAL PERSON, ATTACH GUTTER TO BEAM.
MAKE SURE ENDS OF GUTTER SIT ON TOP SURFACE OF EACH
POST BRACKET.**

TIGHTEN ALL HARDWARE FROM PREVIOUS STEPS



STEP 14A - FRAME ASSEMBLY

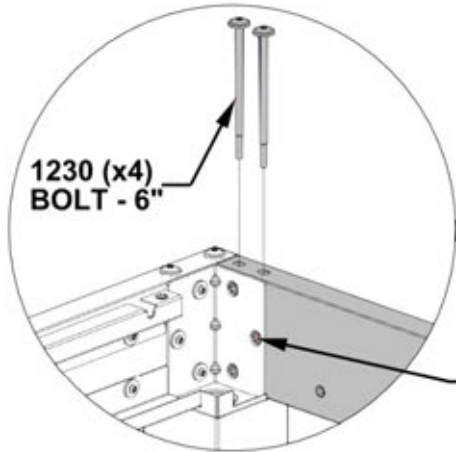
QTY	PartNo	Description
4	H101230	BOLT WH 5/16x6 S.S.



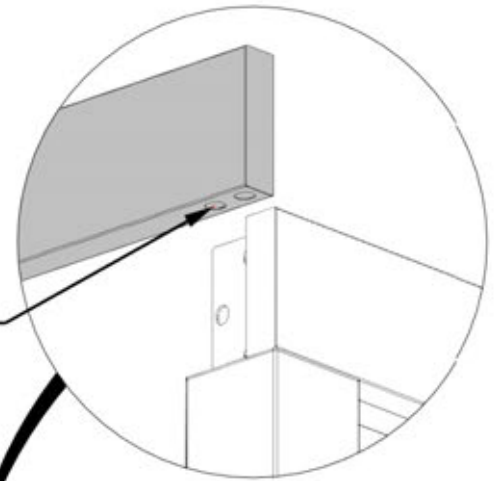
WITH AT LEAST TWO EXTRA PEOPLE, ATTACH B01 BEAM TO P02 AND P01 POST.

ALIGN SLOTS IN BEAM WITH THREADED INSERTS ON TOP POST PLATE. FLUSH ALL SIDES OF BEAM AND POST.

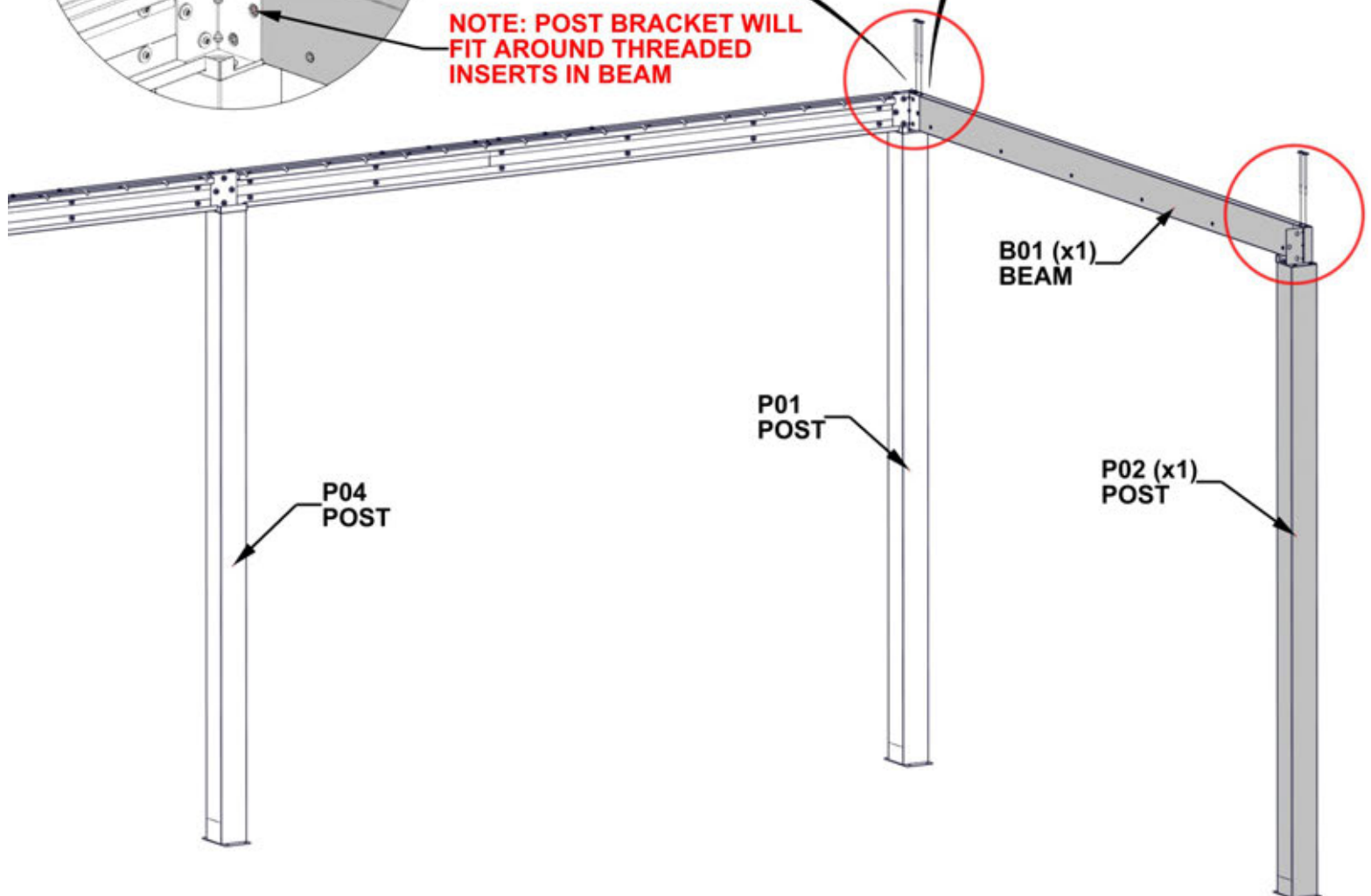
DO NOT TIGHTEN HARDWARE AT THIS STEP.



NOTE: LARGE SLOTS INDICATE BOTTOM SURFACE OF BEAM. SLOTS WILL FIT AROUND THREADED INSERTS IN POST PLATE.



NOTE: POST BRACKET WILL FIT AROUND THREADED INSERTS IN BEAM



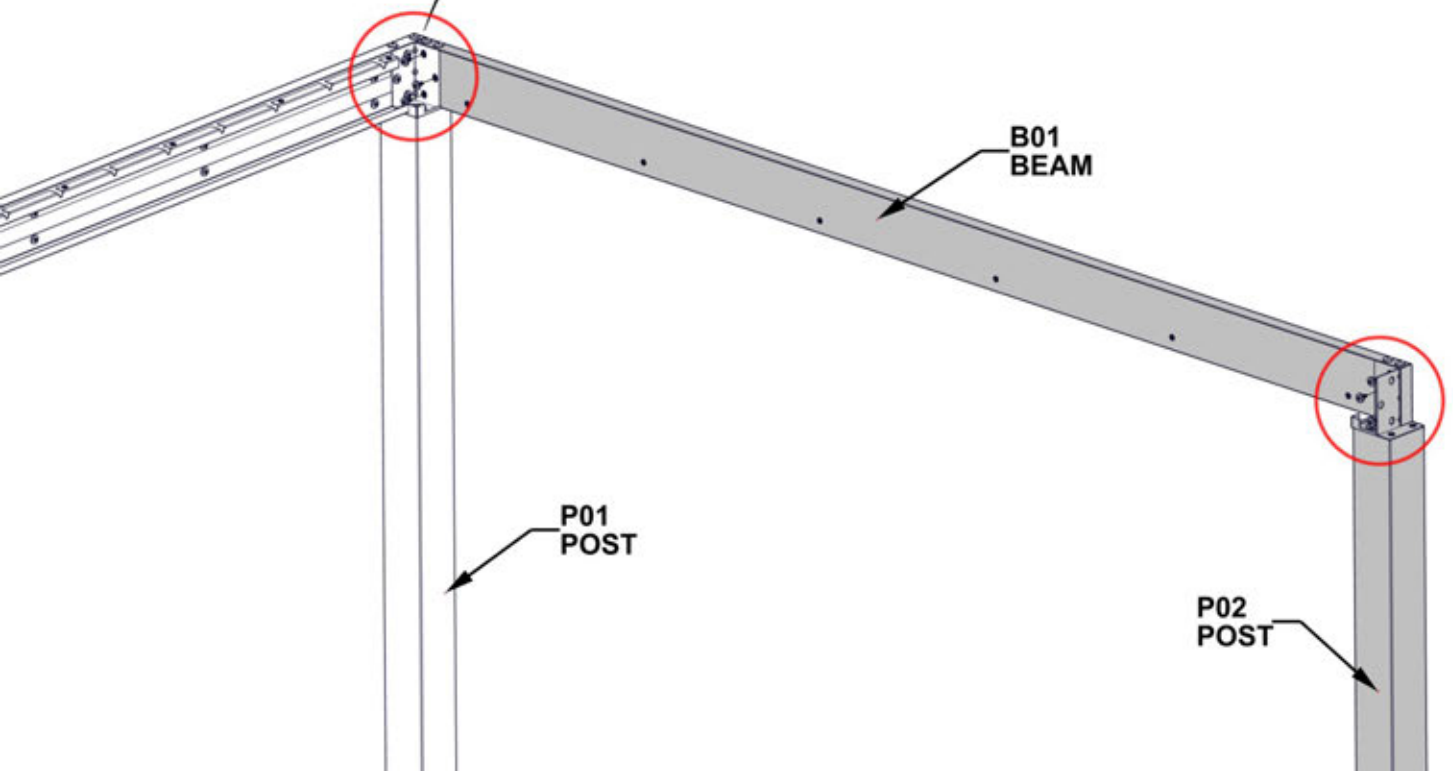
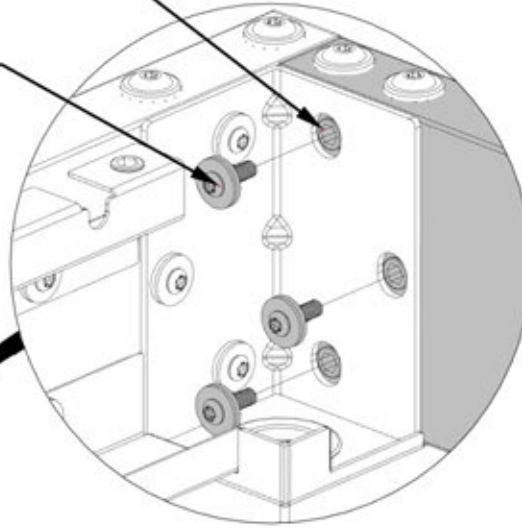
STEP 14B - FRAME ASSEMBLY

QTY	PartNo	Description
6	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY

DO NOT TIGHTEN HARDWARE AT THIS STEP

**NOTE: MAKE SURE POST BRACKET SITS AROUND
THREADED INSERTS IN BEAM**

1202 (x6)
TORX PAN HEAD 1/4-20x3/4 ASSY



STEP 15 - GUTTER ATTACHMENT

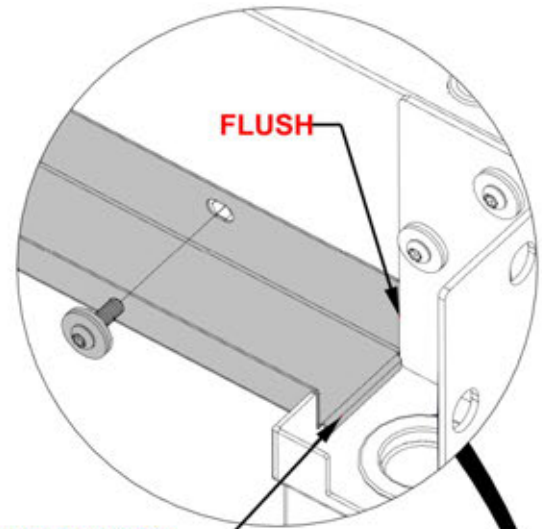
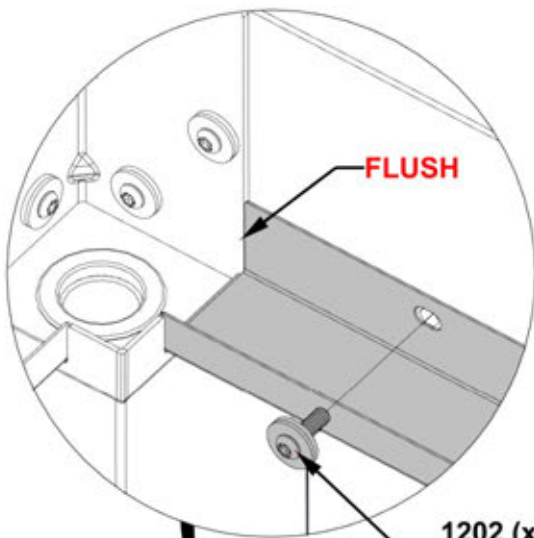


QTY	PartNo	Description
6	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY

G01 GUTTER - A4M01993
(x1) 1 9/16"x1 15/16"x108 7/8" (40x50x2765)

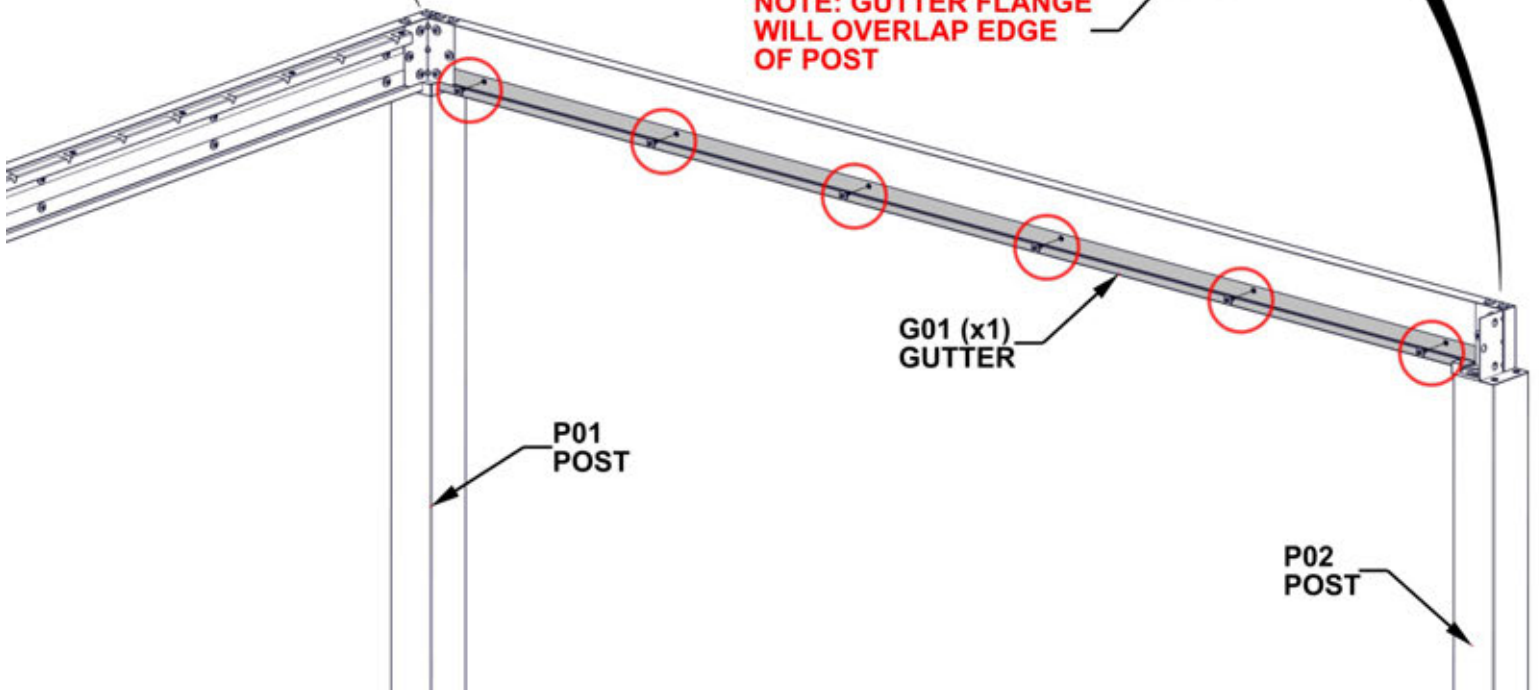
**WITH AN ADDITIONAL PERSON, ATTACH GUTTER TO BEAM.
MAKE SURE ENDS OF GUTTER SIT ON TOP SURFACE OF EACH
POST BRACKET.**

TIGHTEN ALL HARDWARE FROM PREVIOUS STEPS



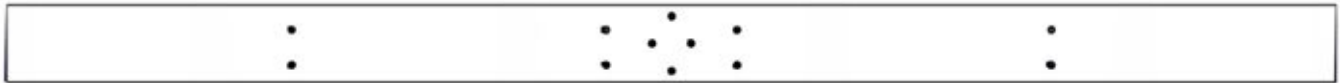
1202 (x6)
TORX PAN HEAD
1/4-20x3/4" ASSY

**NOTE: GUTTER FLANGE
WILL OVERLAP EDGE
OF POST**



STEP 16 BEAM ASSEMBLY

QTY	PartNo	Description
6	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY



B05 BEAM - A4M02591
 (x1) 1 7/16"x5 1/4"x89 7/8" (36x134x2283)

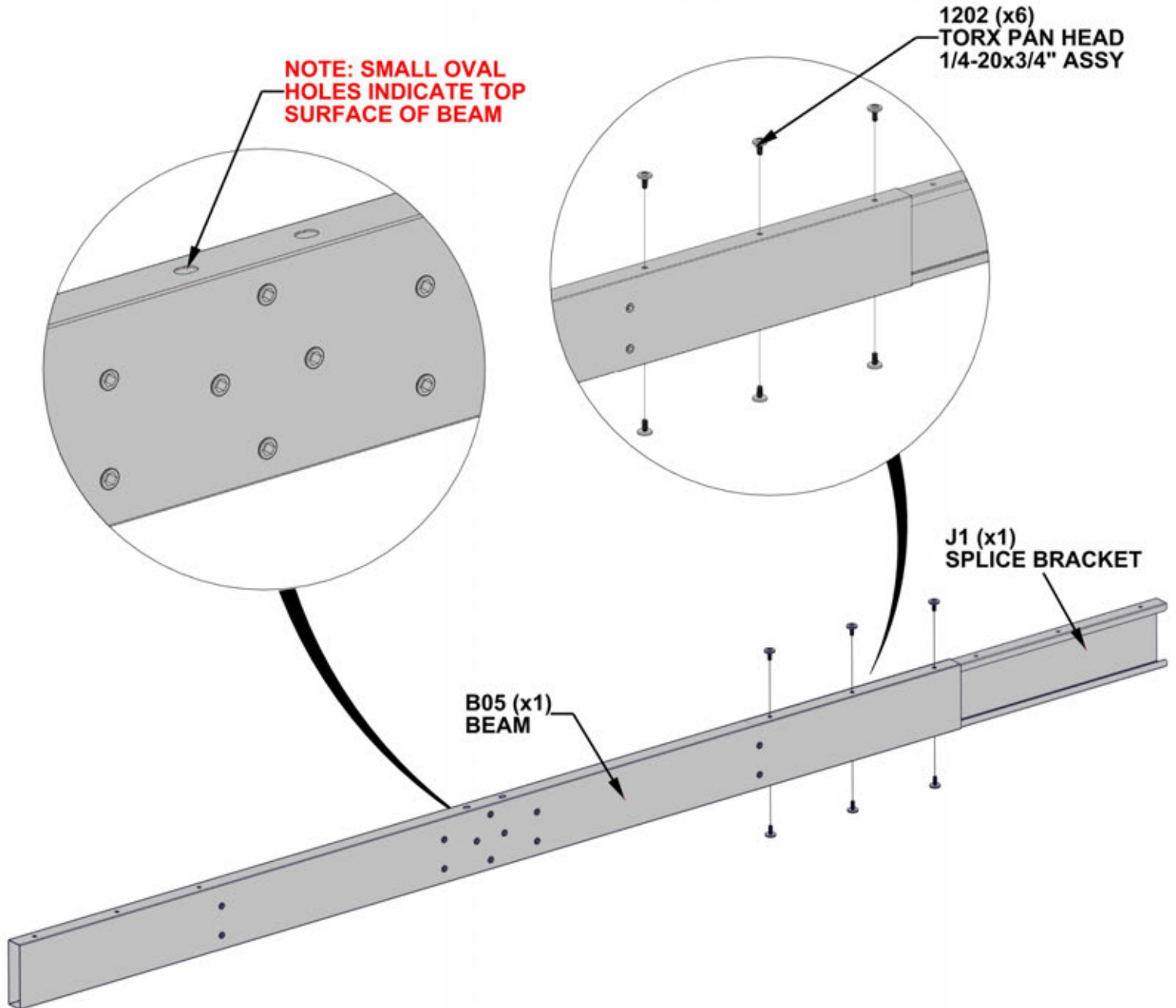


J1 SPLICE BRACKET - A4M02230
 (x1) 1 5/16"x5 3/16"x39 3/8" (33.2x131.2x1000)

DO NOT TIGHTEN HARDWARE AT THIS STEP

NOTE: BEAM AND SPLICE MUST BE ORIENTED AS SHOWN BELOW. SLIDE J1 INTO B05 AND LINE UP THREE HOLES TOP AND BOTTOM.

FOR EASE OF ASSEMBLY, WE RECOMMEND USING SAWHORSES FOR STEPS 16 - 18



STEP 17 - BEAM ASSEMBLY

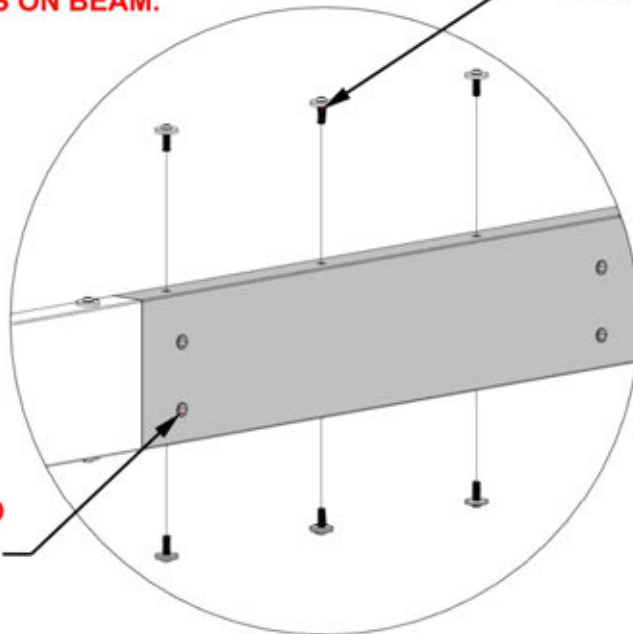
QTY	PartNo	Description
6	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY



B04 BEAM - A4M02590
(x1) 1 7/16"x5 1/4"x72 7/16" (36x134x1839)

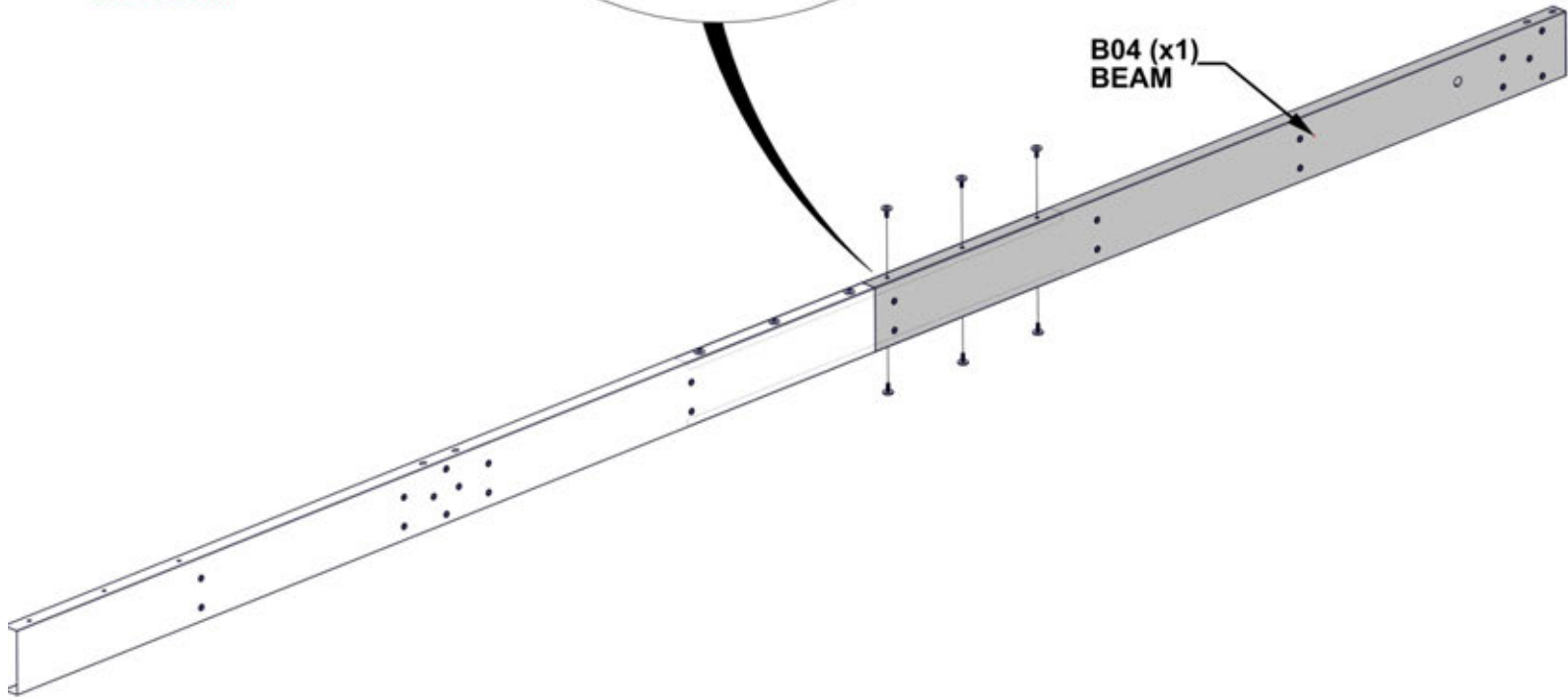
**SLIDE B04 INTO SPLICE BRACKET.
GENTLY TAP ENDS OF ASSEMBLY WITH
RUBBER Mallet UNTIL GAP CLOSSES,
THEN TIGHTEN ALL BOLTS ON BEAM.**

1202 (x6)
TORX PAN HEAD 1/4-20x3/4 ASSY



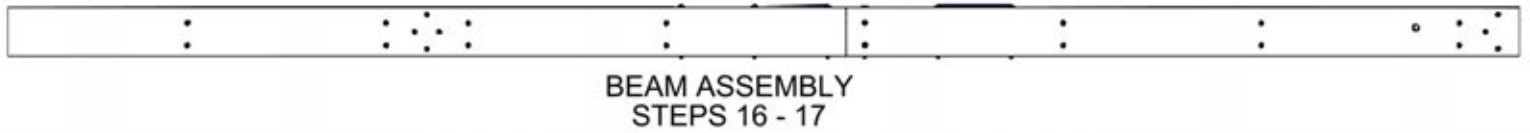
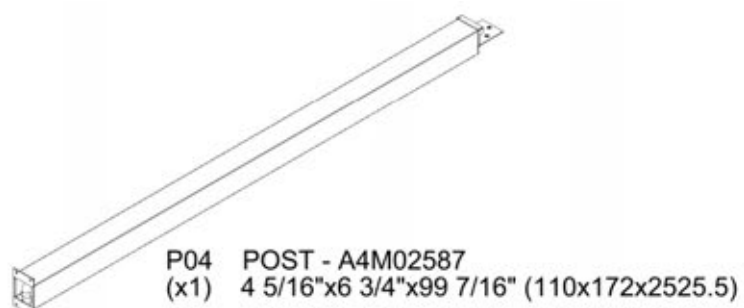
**NOTE: ALL THREADED
INSERTS WILL BE ON
THE SAME SIDE OF
THE BEAM**

B04 (x1)
BEAM



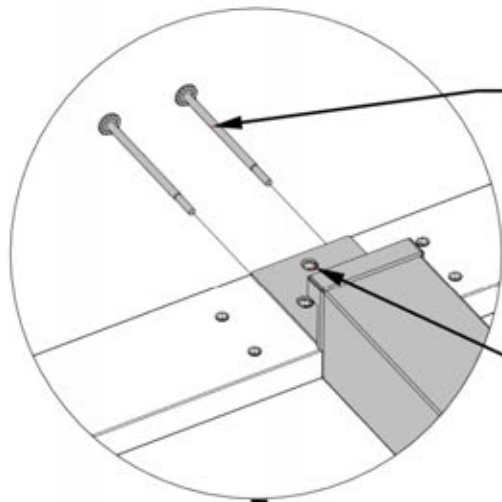
STEP 18A - FRAME ASSEMBLY

QTY	PartNo	Description
2	H101230	BOLT WH 5/16x6 S.S.

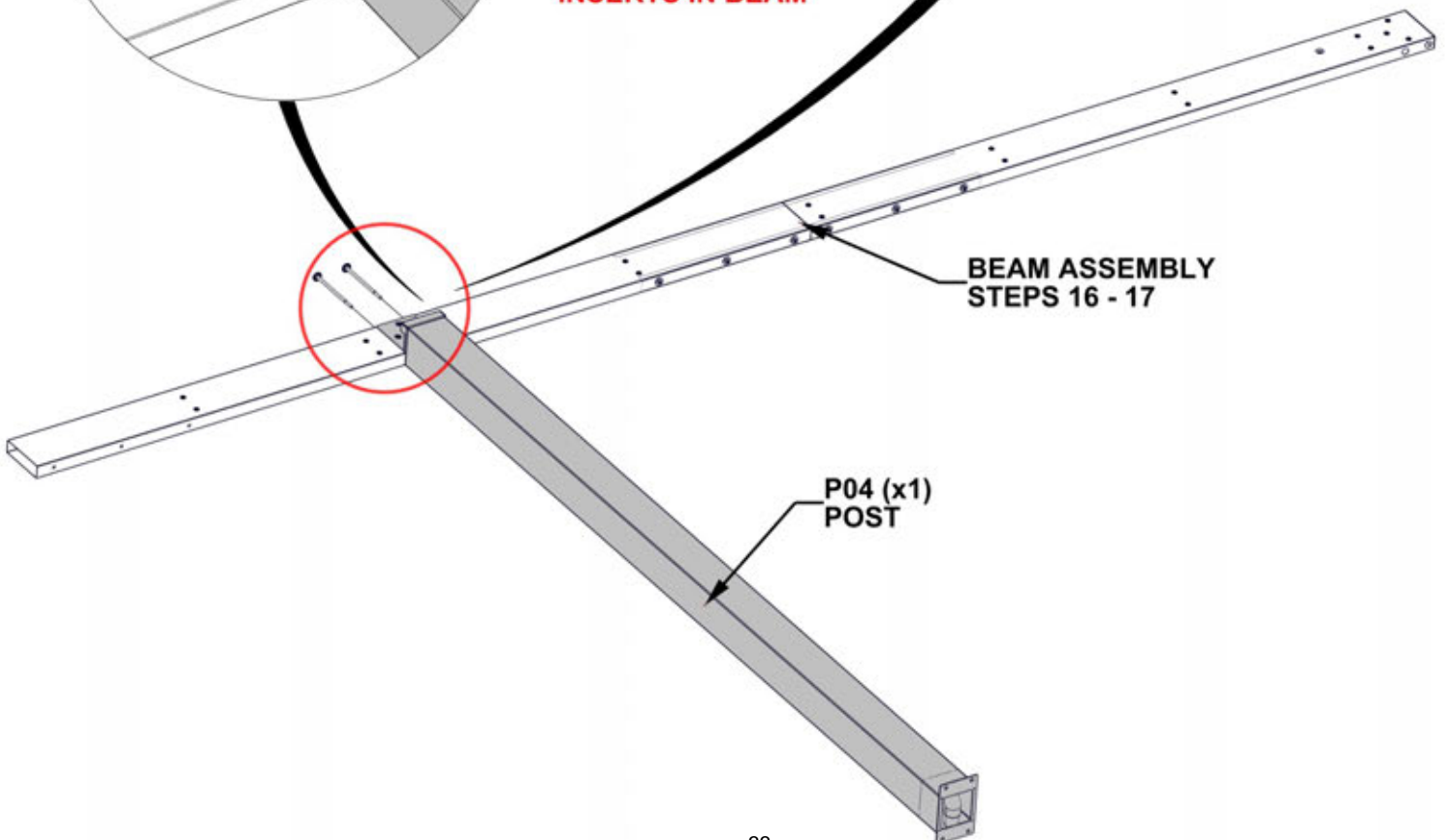
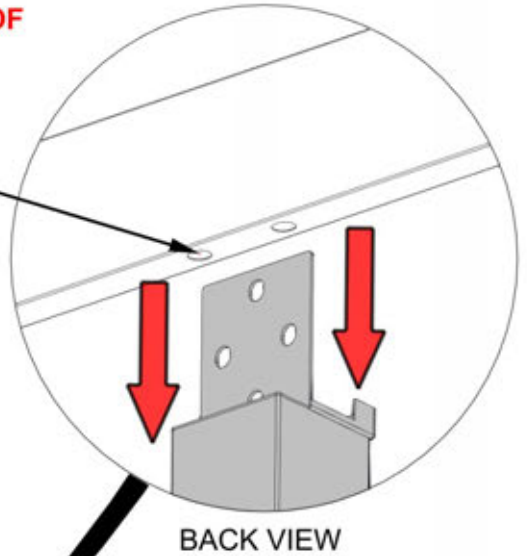


ATTACH BEAM ASSEMBLY TO POST BY ALIGNING SLOTS IN BEAM WITH THREADED INSERTS ON TOP POST PLATE. FLUSH ALL SIDES OF BEAM AND POST BEFORE TIGHTENING HARDWARE

NOTE: LARGE SLOTS INDICATE BOTTOM SURFACE OF BEAM. SLOTS WILL FIT AROUND THREADED INSERTS IN POST PLATE.



NOTE: POST BRACKET WILL FIT AROUND THREADED INSERTS IN BEAM

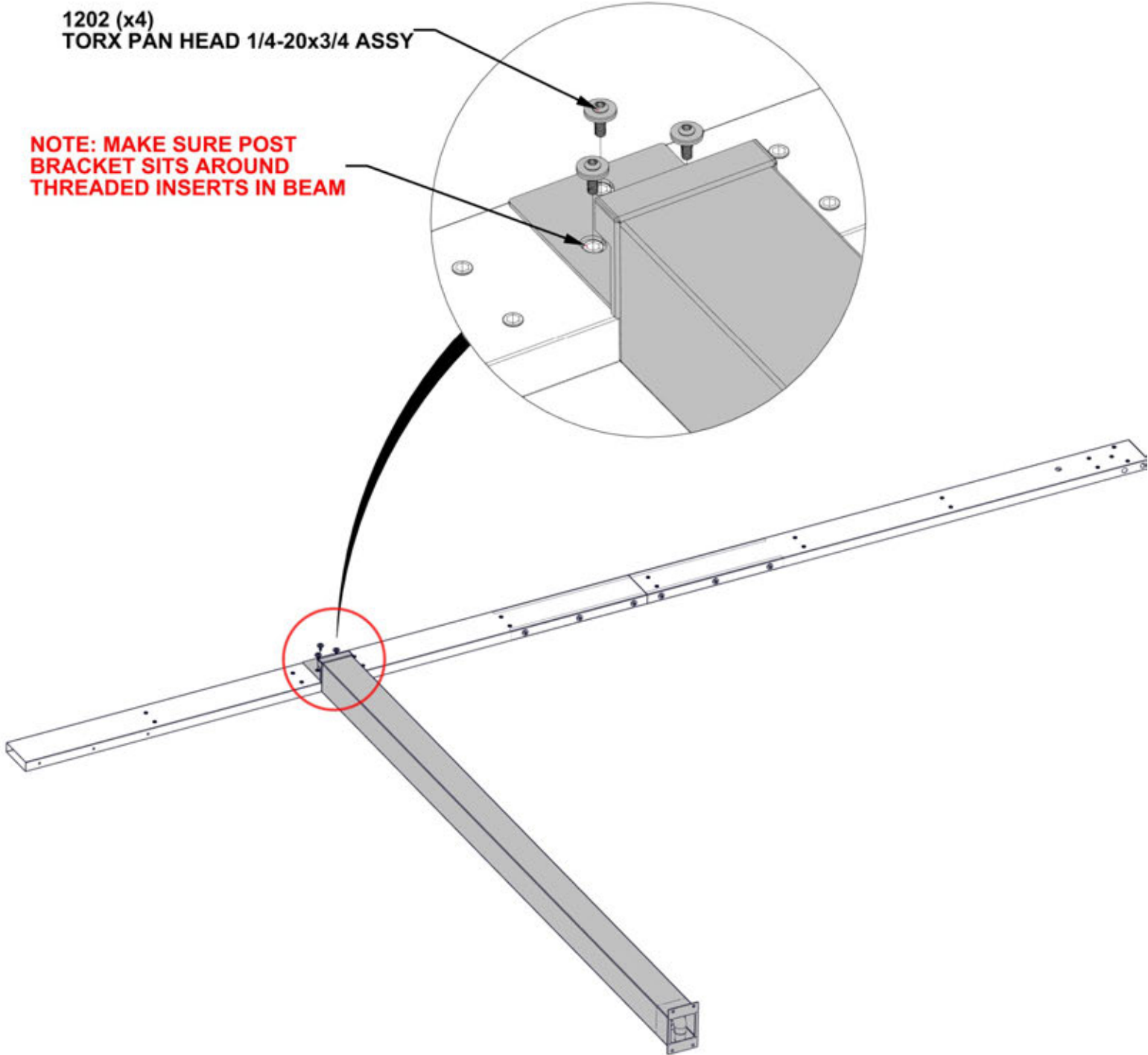


STEP 18B - BEAM ASSEMBLY

QTY	PartNo	Description
4	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY

1202 (x4)
TORX PAN HEAD 1/4-20x3/4 ASSY

**NOTE: MAKE SURE POST
BRACKET SITS AROUND
THREADED INSERTS IN BEAM**



STEP 19A - FRAME ASSEMBLY



BEAM/POST ASSEMBLY
STEPS 16 -18

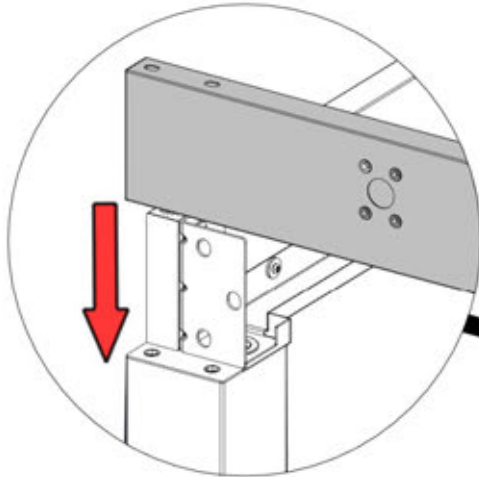
QTY	PartNo	Description
2	H101230	BOLT WH 5/16x6 S.S.

WITH AT LEAST TWO ADDITIONAL PEOPLE, ATTACH BEAM ASSEMBLY FROM PREVIOUS STEPS TO P03 POST. ALIGN SLOTS IN BEAM WITH THREADED INSERTS ON TOP POST PLATE. FLUSH ALL SIDES OF BEAM AND POST.

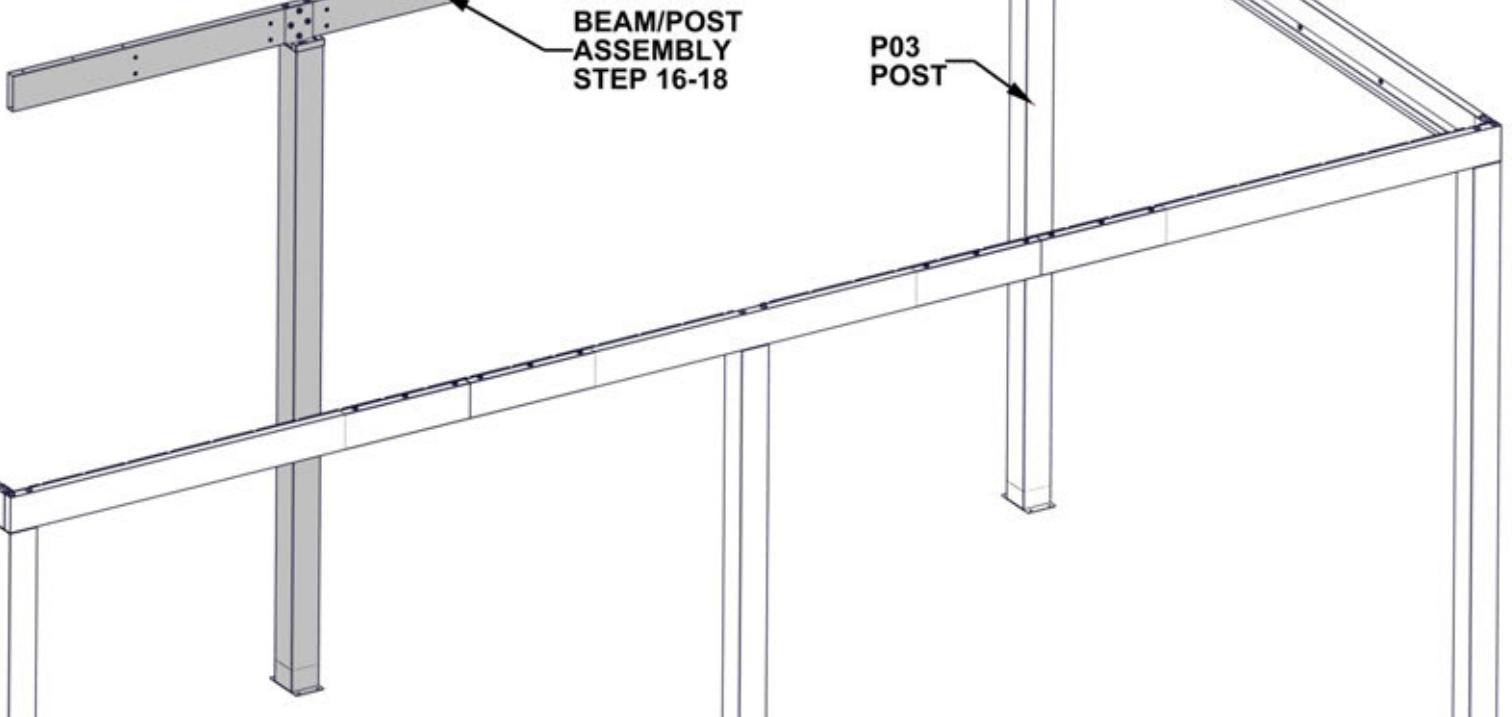
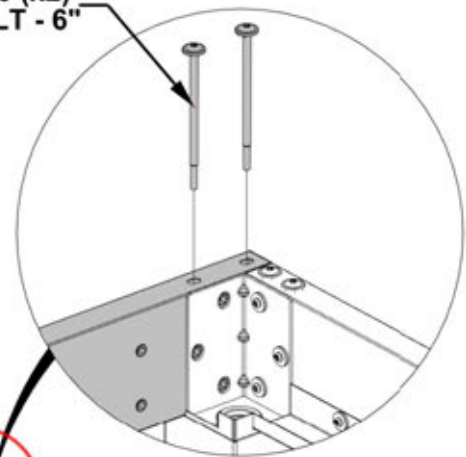
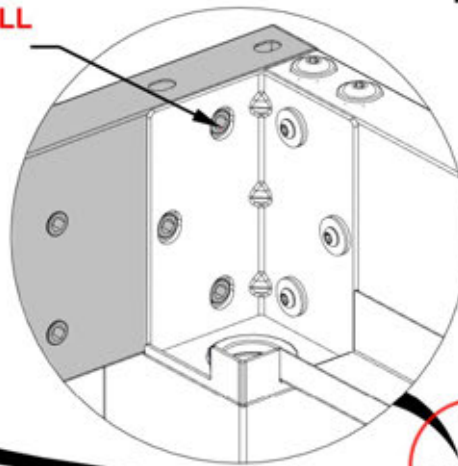
DO NOT TIGHTEN HARDWARE AT THIS STEP.

NOTE: POST BRACKET WILL FIT AROUND THREADED INSERTS IN BEAM

1230 (x2)
BOLT - 6"



BACK VIEW



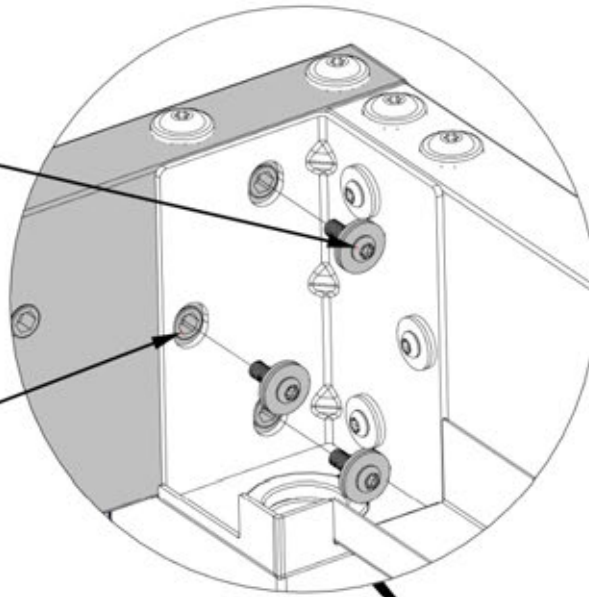
STEP 19B - FRAME ASSEMBLY

QTY	PartNo	Description
3	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY

DO NOT TIGHTEN HARDWARE AT THIS STEP

1202 (x3)
TORX PAN HEAD 1/4-20x3/4 ASSY

**NOTE: MAKE SURE POST
BRACKET SITS AROUND
THREADED INSERTS IN BEAM**



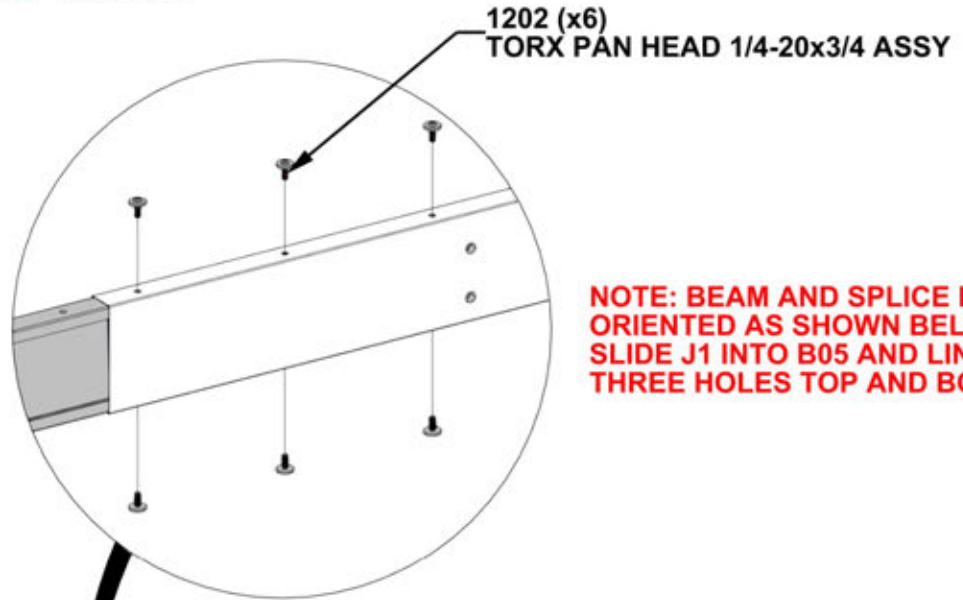
STEP 20 - FRAME ASSEMBLY

QTY	PartNo	Description
6	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY

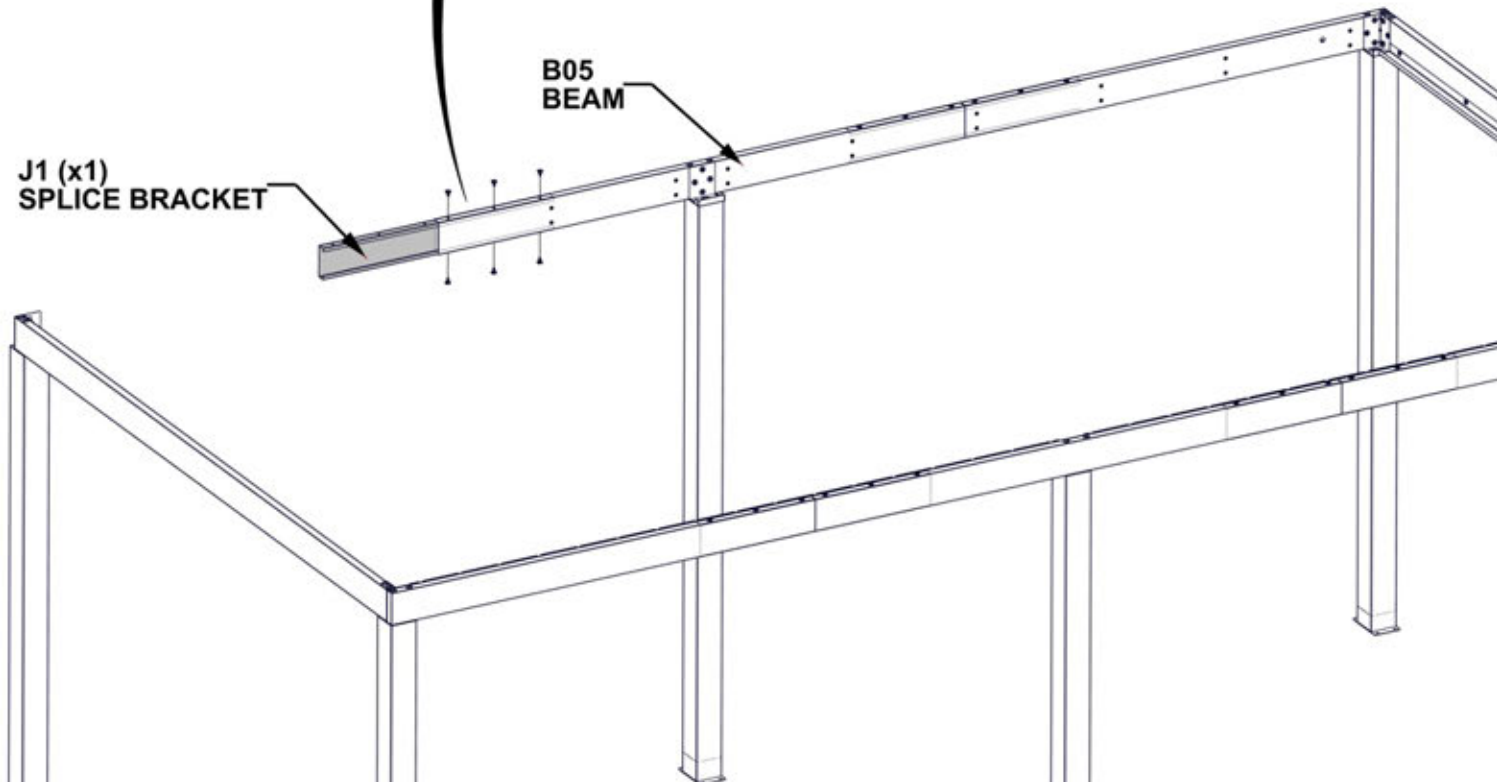


J1 SPLICE BRACKET - A4M02230
(x1) 1 5/16"x5 3/16"x39 3/8" (33.2x131.2x1000)

DO NOT TIGHTEN HARDWARE AT THIS STEP



NOTE: BEAM AND SPLICE MUST BE ORIENTED AS SHOWN BELOW. SLIDE J1 INTO B05 AND LINE UP THREE HOLES TOP AND BOTTOM.



STEP 21A - FRAME ASSEMBLY

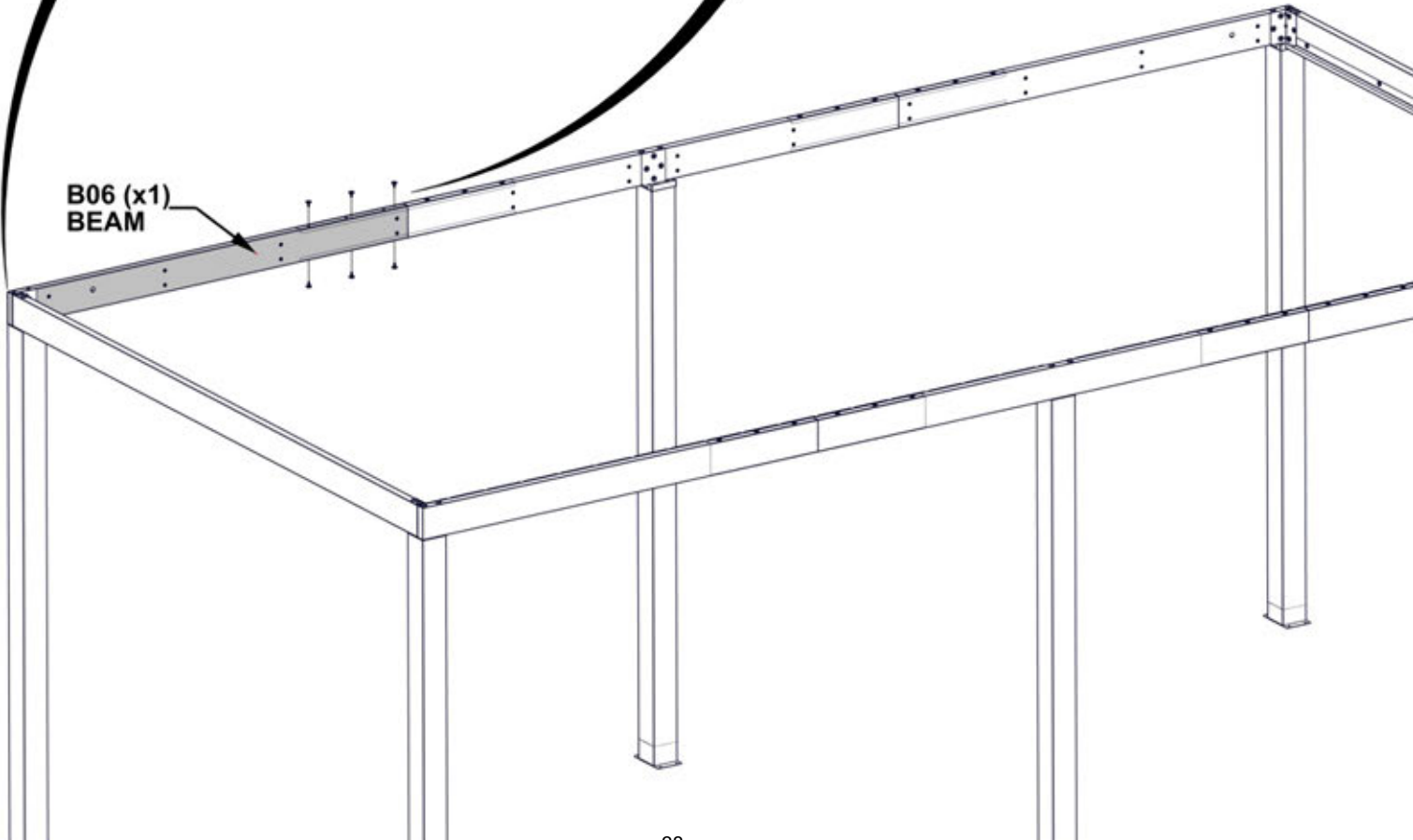
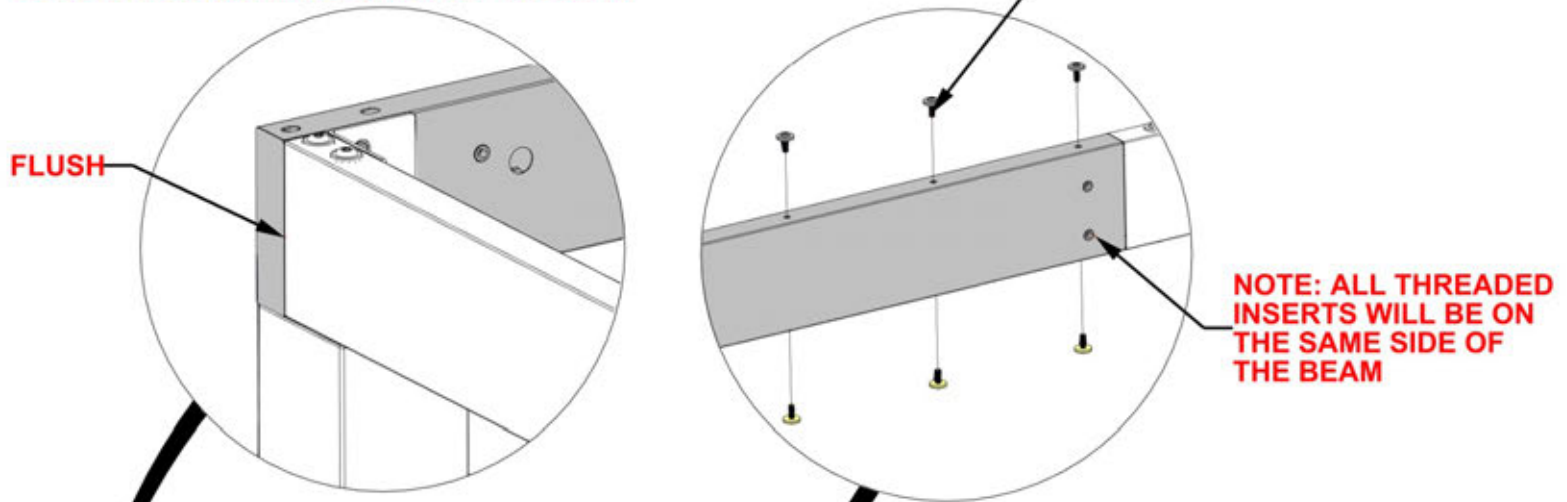
QTY	PartNo	Description
6	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY



B06 BEAM - A4M02592
(x1) 1 7/16"x5 1/4"x72 7/16" (36x134x1839)

**SLIDE B06 INTO SPLICE BRACKET.
GENTLY TAP END OF BEAM WITH
RUBBER Mallet UNTIL GAP CLOSES.**

DO NOT TIGHTEN HARDWARE AT THIS STEP

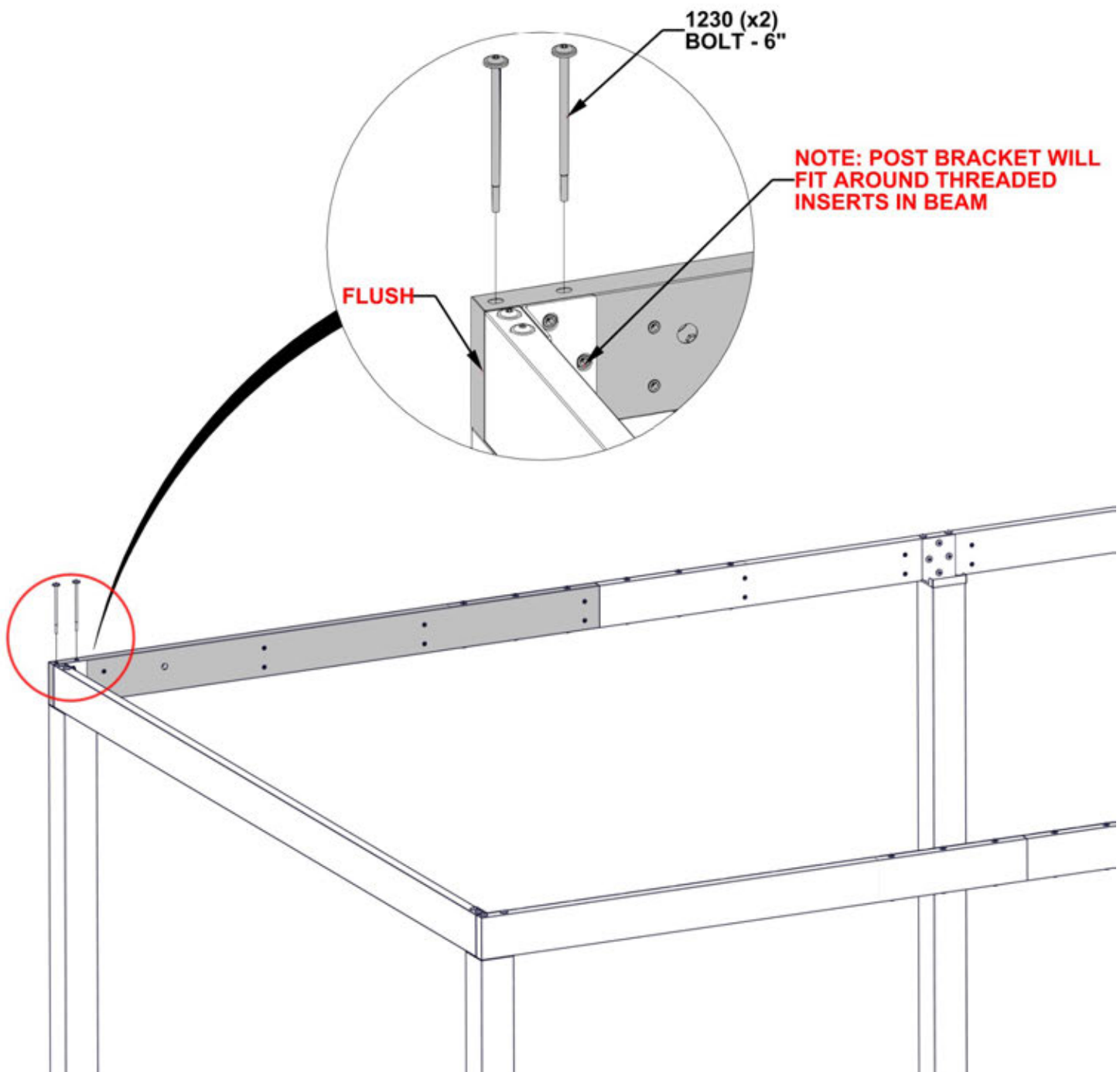


STEP 21B - FRAME ASSEMBLY

QTY	PartNo	Description
2	H101230	BOLT WH 5/16x6 S.S.

ALIGN SLOTS IN BEAM WITH THREADED INSERTS ON TOP POST PLATE. FLUSH ALL SIDES OF BEAM AND POST.

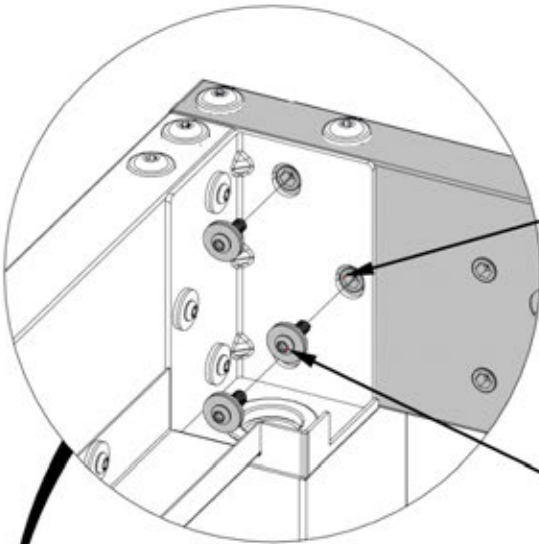
DO NOT TIGHTEN HARDWARE AT THIS STEP



STEP 21C - FRAME ASSEMBLY

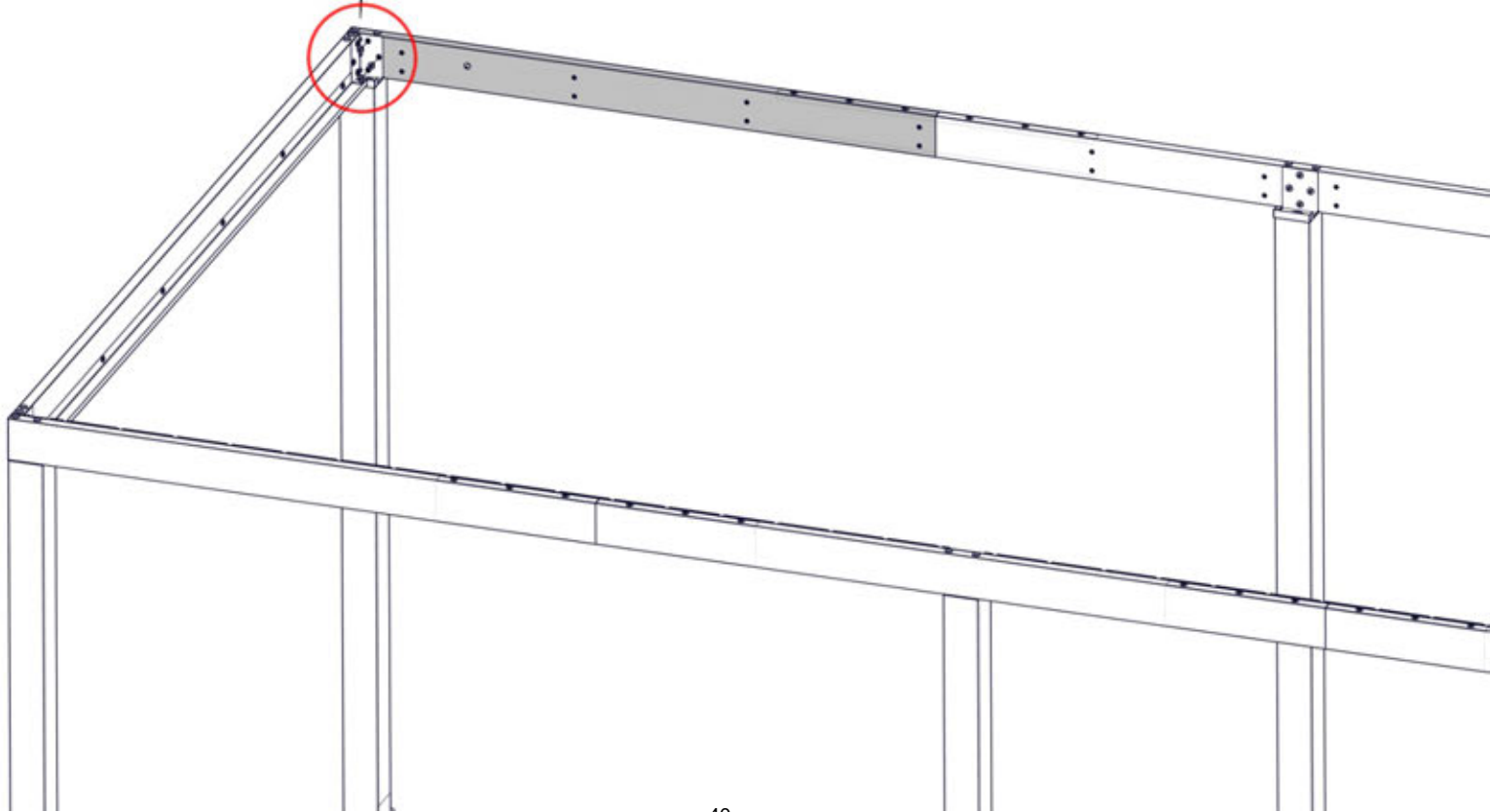
QTY	PartNo	Description
3	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY

TIGHTEN ALL HARDWARE FROM PREVIOUS STEPS

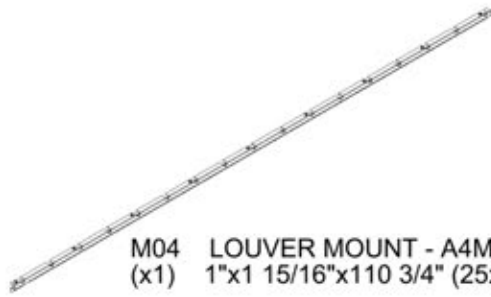


NOTE: MAKE SURE POST BRACKET SITS AROUND THREADED INSERTS IN BEAM

**1202 (x3)
TORX PAN HEAD 1/4-20x3/4 ASSY**

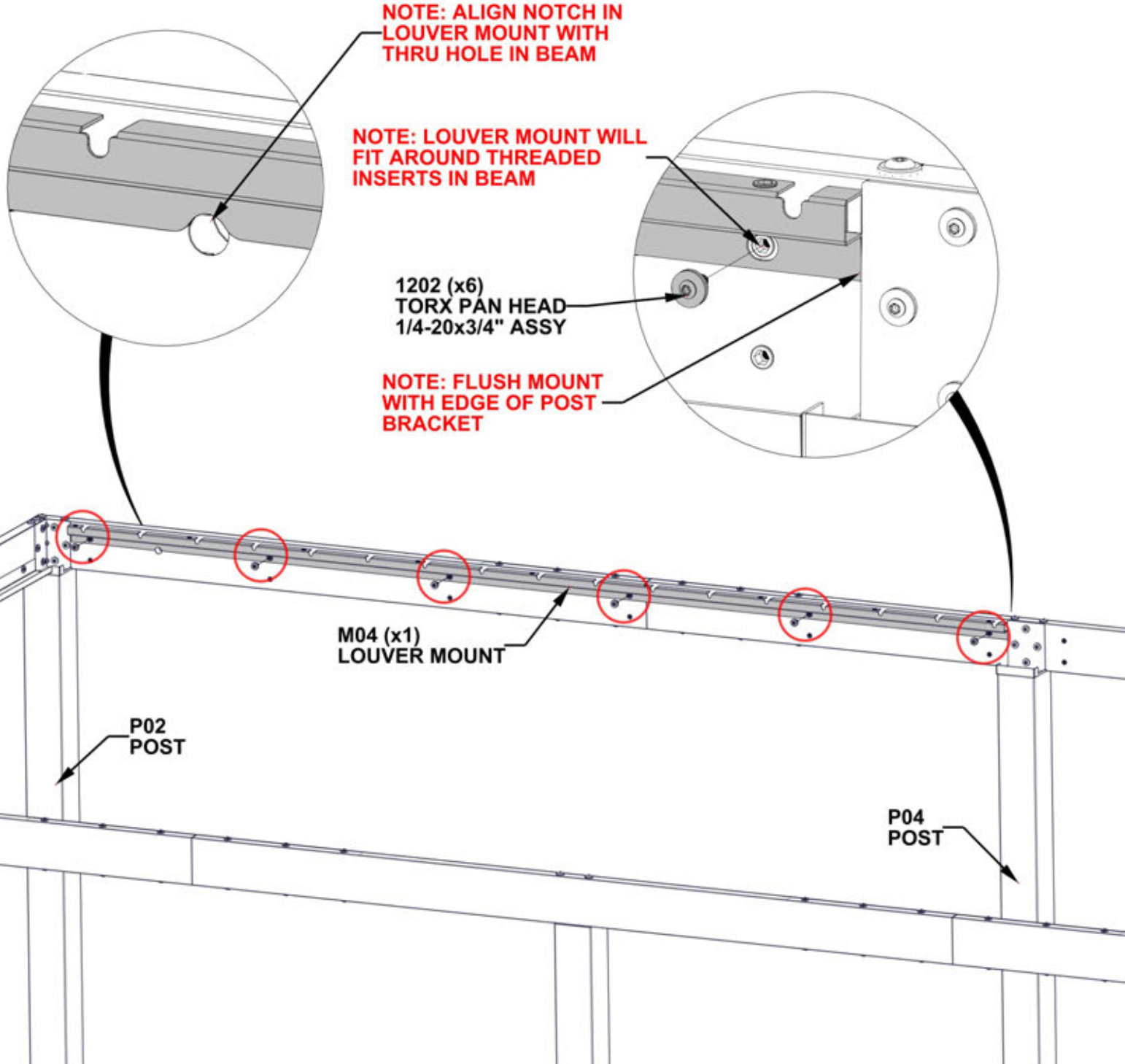


STEP 22 - LOUVER MOUNT ATTACHMENT



M04 LOUVER MOUNT - A4M02596
(x1) 1"x1 15/16"x110 3/4" (25x49x2813)

QTY	PartNo	Description
6	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY

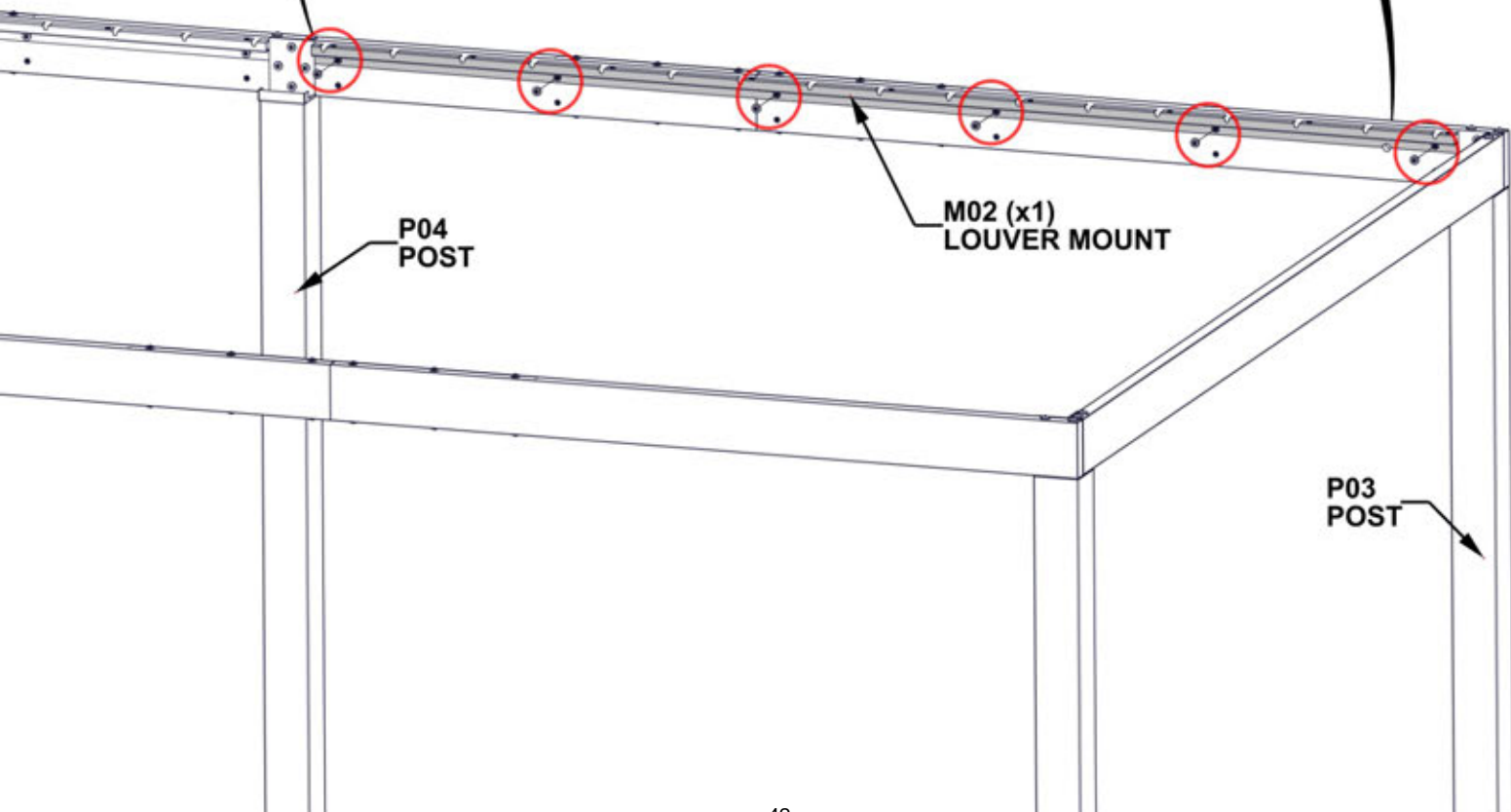
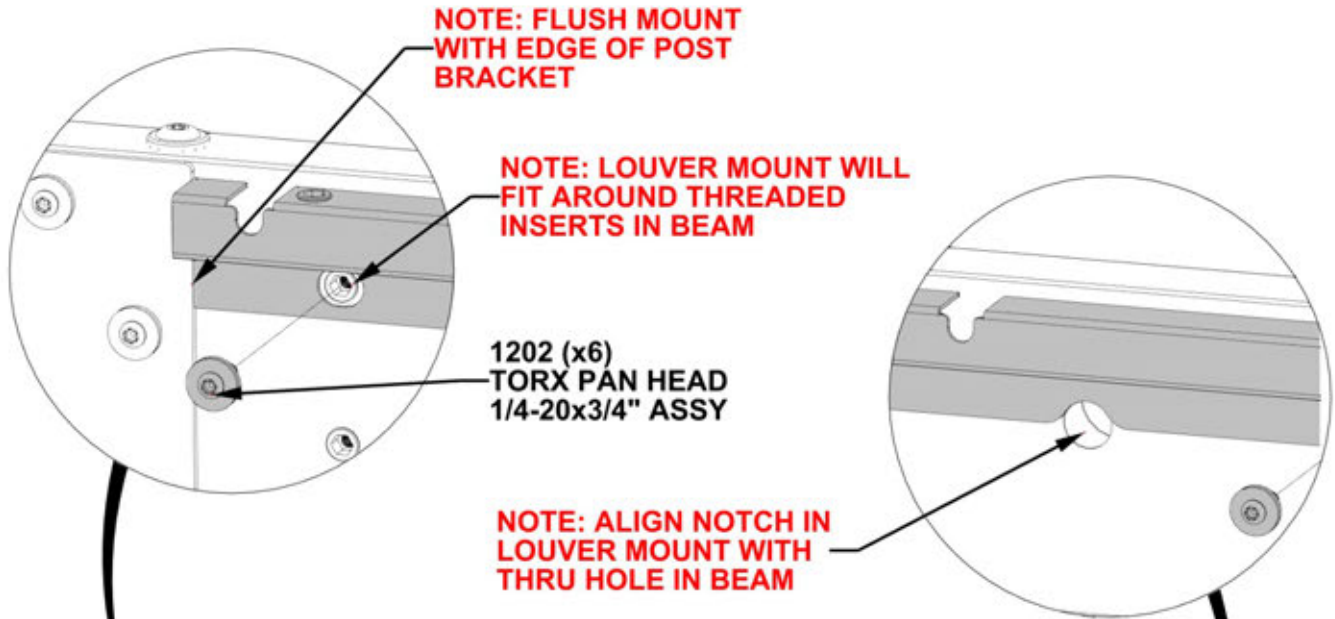


STEP 23 - LOUVER MOUNT ATTACHMENT

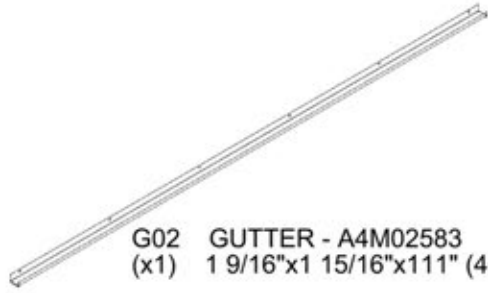


QTY	PartNo	Description
6	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY

M02 LOUVER MOUNT - A4M02594
 (x1) 1"x1 15/16"x110 3/4" (25x49x2813)



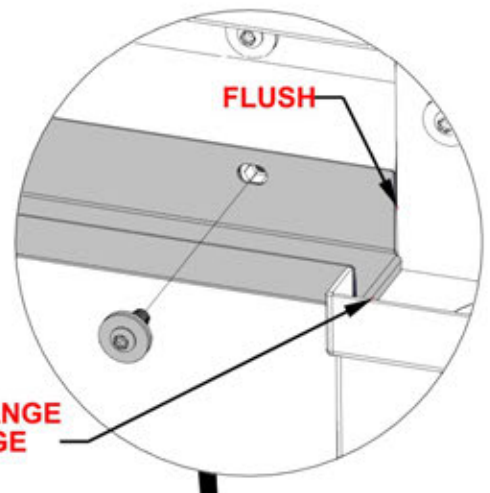
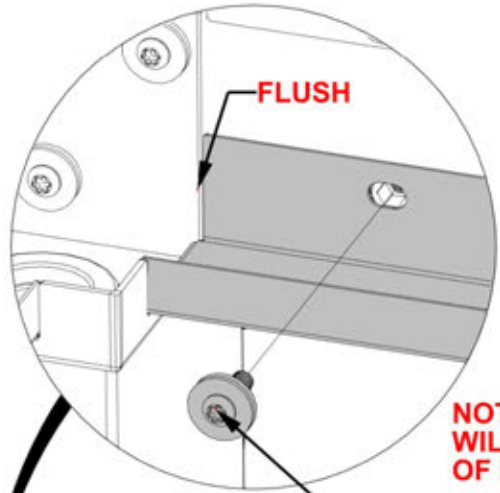
STEP 24 - GUTTER ATTACHMENT



G02 GUTTER - A4M02583
 (x1) 1 9/16"x1 15/16"x111" (40x50x2819)

QTY	PartNo	Description
6	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY

ATTACH GUTTER TO BEAM MAKING SURE EACH END OF GUTTER SITS ON TOP SURFACE OF EACH POST BRACKET



NOTE: GUTTER FLANGE WILL OVERLAP EDGE OF POST

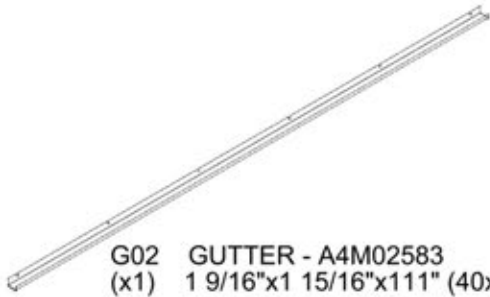
1202 (x6)
 TORX PAN HEAD 1/4-20x3/4 ASSY

G02 (x1)
 GUTTER

P02
 POST

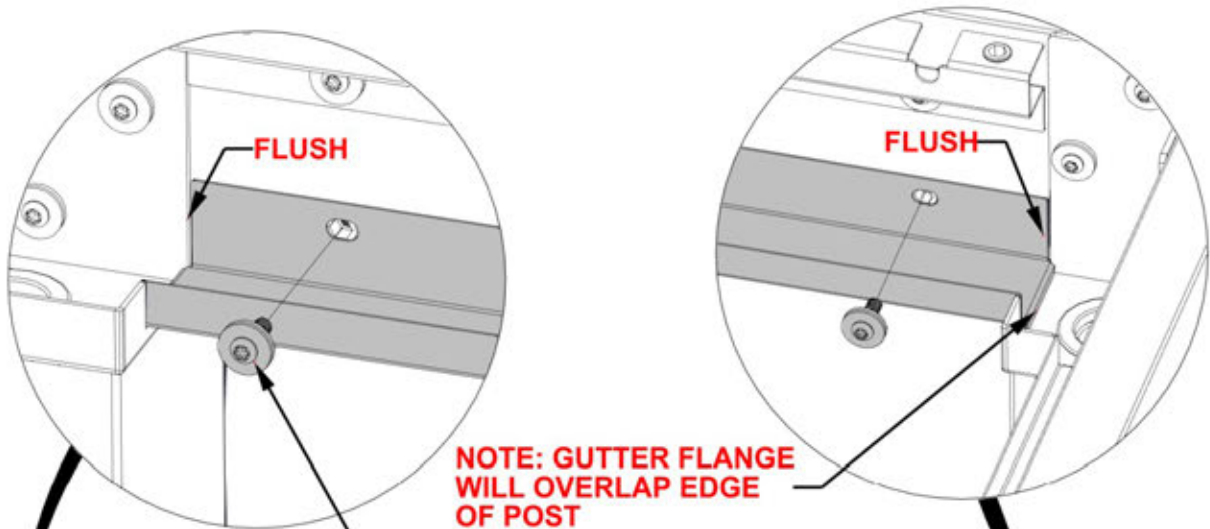
P04
 POST

STEP 25 - GUTTER ATTACHMENT

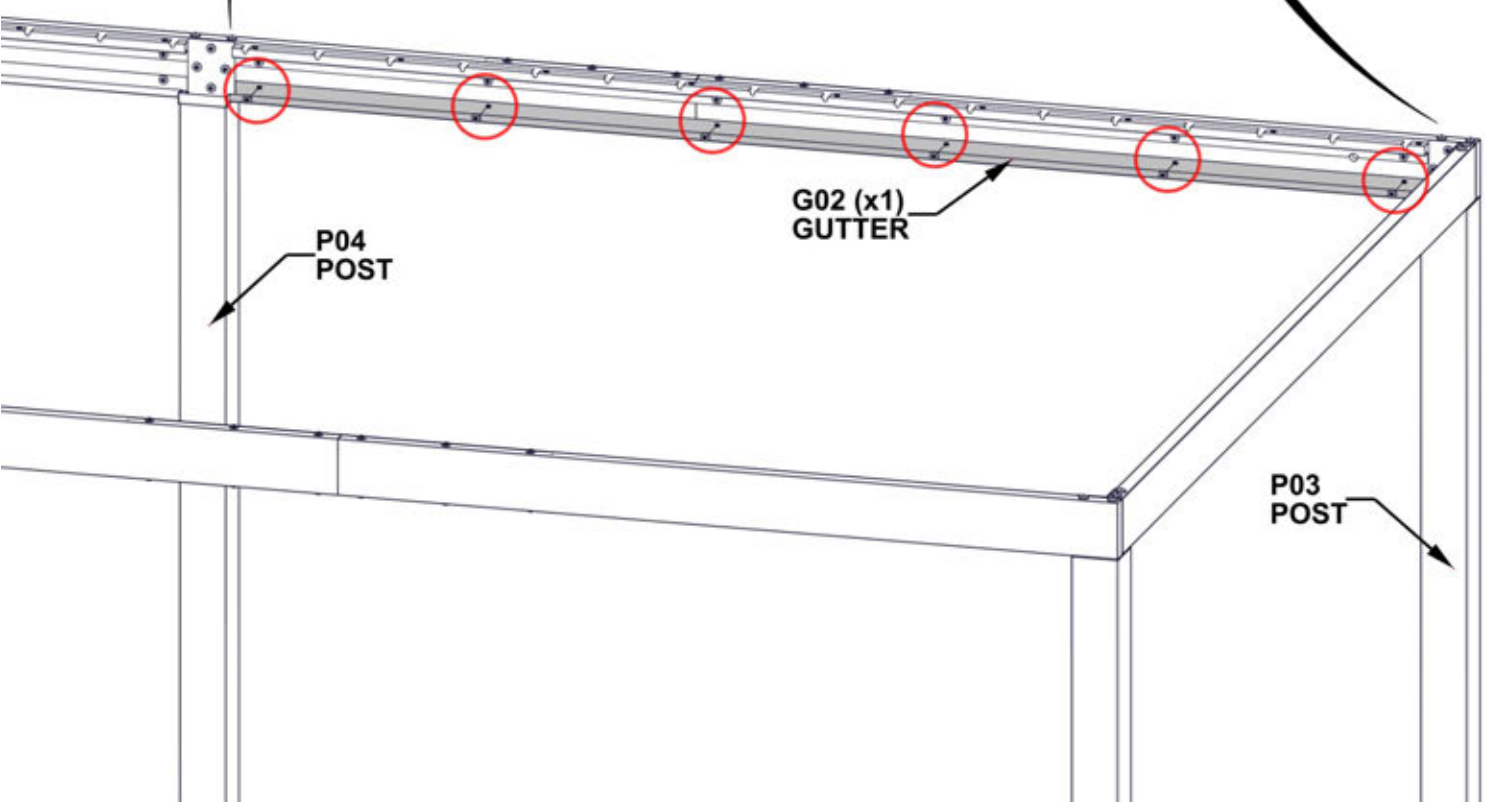


QTY	PartNo	Description
6	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY

ATTACH GUTTER TO BEAM MAKING SURE EACH END OF GUTTER SITS ON TOP SURFACE OF EACH POST BRACKET



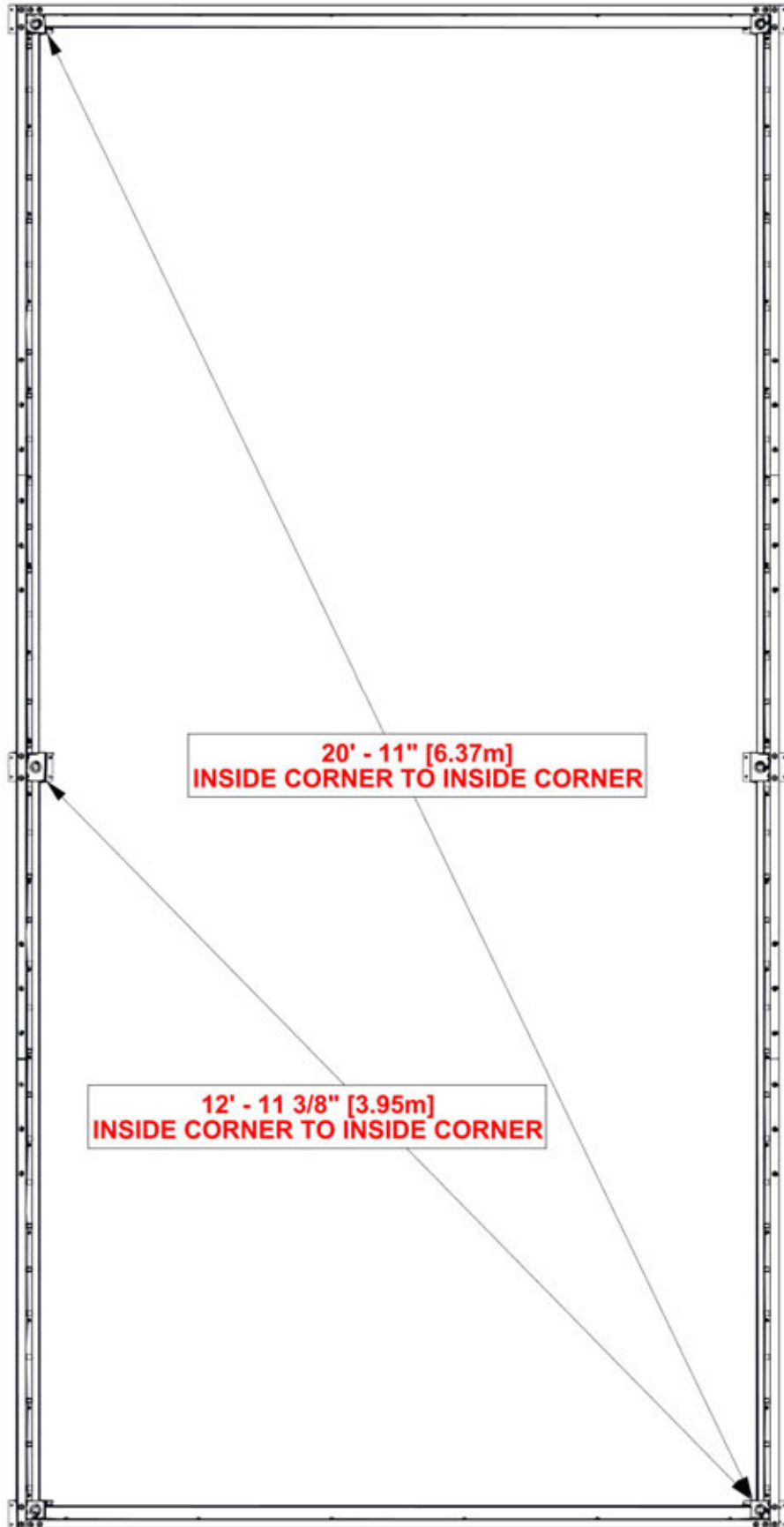
1202 (x6)
TORX PAN HEAD
1/4-20x3/4" ASSY



STEP 26 - SQUARE STRUCTURE

**CRITICAL: SQUARE ASSEMBLY BEFORE PROCEEDING TO NEXT STEPS.
ONCE SQUARE, MAKE SURE ALL HARDWARE HAS BEEN
TIGHTENED FROM PREVIOUS STEPS.**

MEASUREMENTS TAKEN FROM INSIDE CORNER OF POST TO INSIDE CORNER OF POST.



STEP 27 - GUTTER SEALANT



A6P00796 SILICONE
(x1)

APPLY A FINE BEAD OF SILICONE ALONG INSIDE SURFACE OF GUTTER WHERE GUTTER PIECES MEET POST.

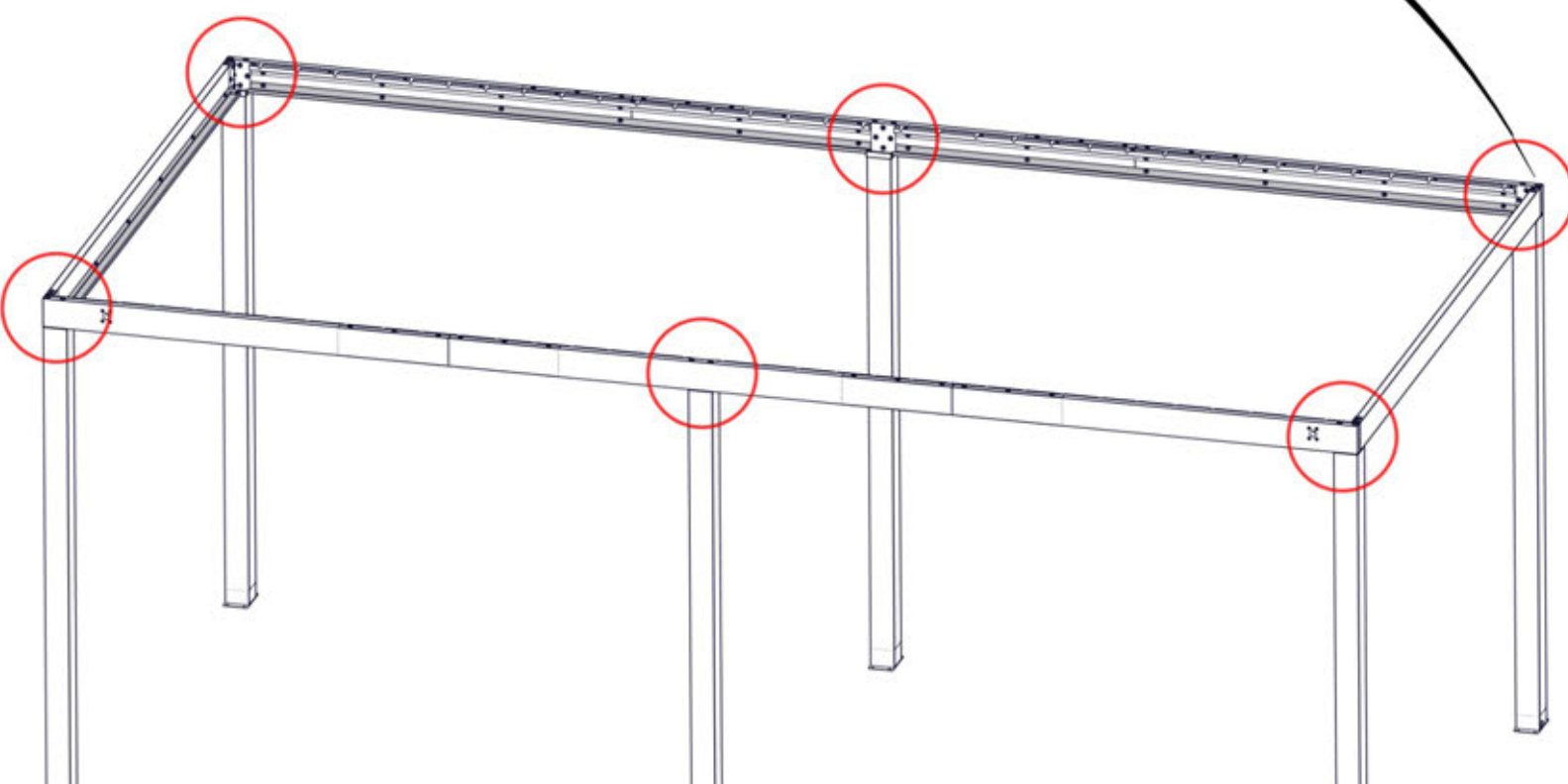
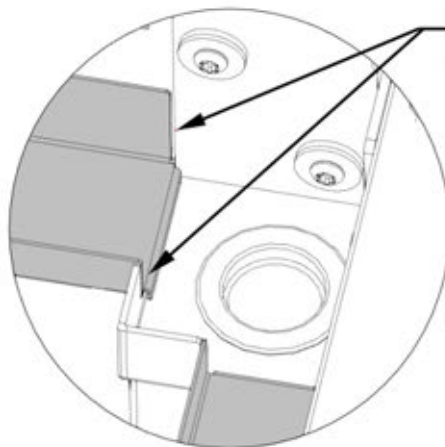
TIP: GLOVES ARE RECOMMENDED WHEN APPLYING SILICONE.

SMOOTH SILICONE, WIPING EXCESS USING A RAG OR PAPER TOWEL

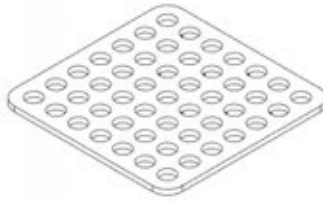
MAKE SURE SURFACE OF GUTTER IS CLEAN, DRY, AND FREE OF ANY DIRT/DEBRIS

REPEAT THIS STEP FOR ALL GUTTER ATTACHMENT POINTS AT EACH POST

NOTE: APPLY A FINE BEAD OF SILICONE TO PREVENT WATER FROM LEAKING



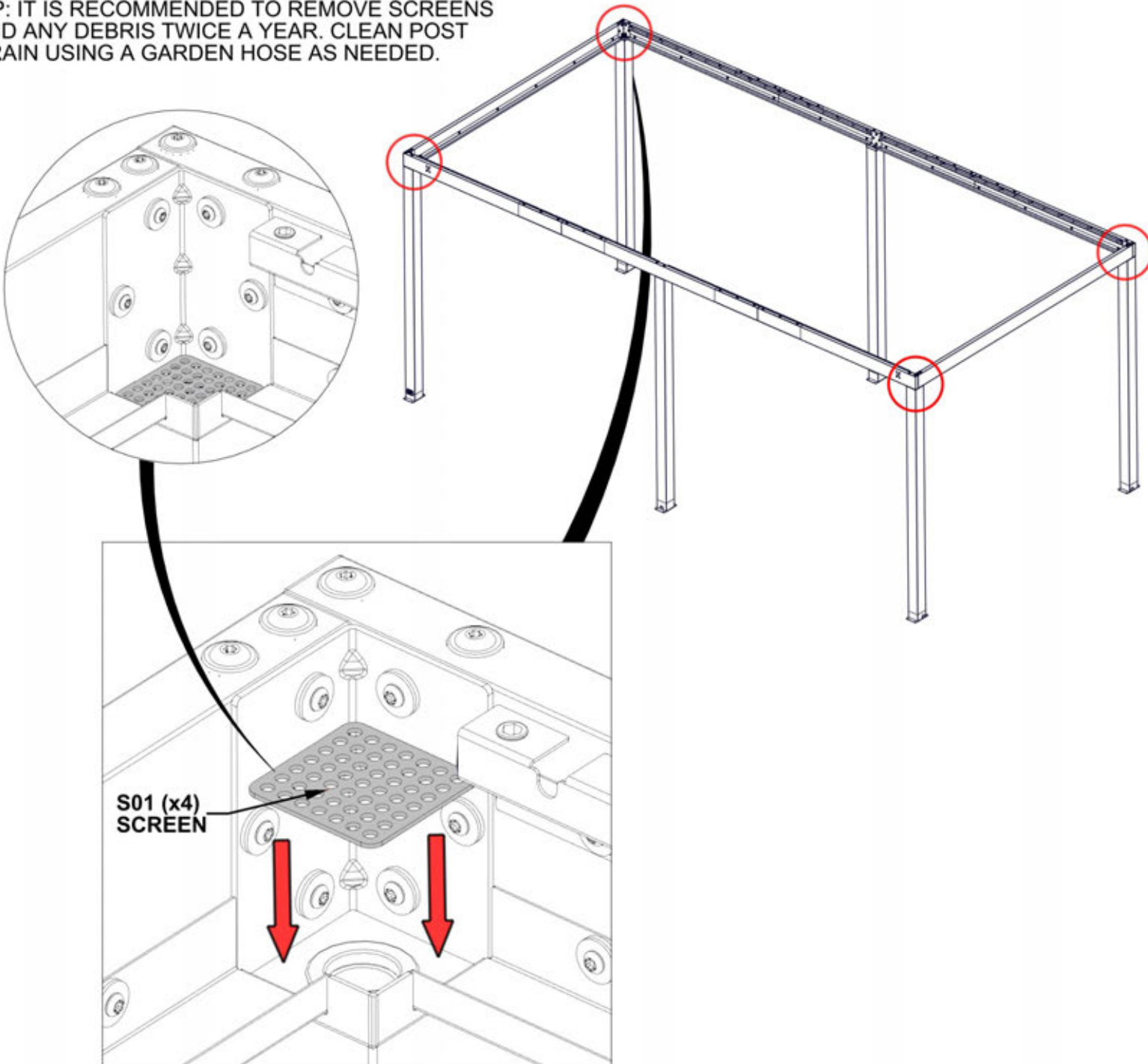
STEP 28A - DEBRIS SCREEN INSTALLATION



S01 SCREEN - A4M02005
(x4) 1/16"x2 11/16"x2 11/16" (2x68x68)

INSTALL DEBRIS SCREENS BY PLACING ON TOP OF EACH CORNER POST

TIP: IT IS RECOMMENDED TO REMOVE SCREENS
AND ANY DEBRIS TWICE A YEAR. CLEAN POST
DRAIN USING A GARDEN HOSE AS NEEDED.



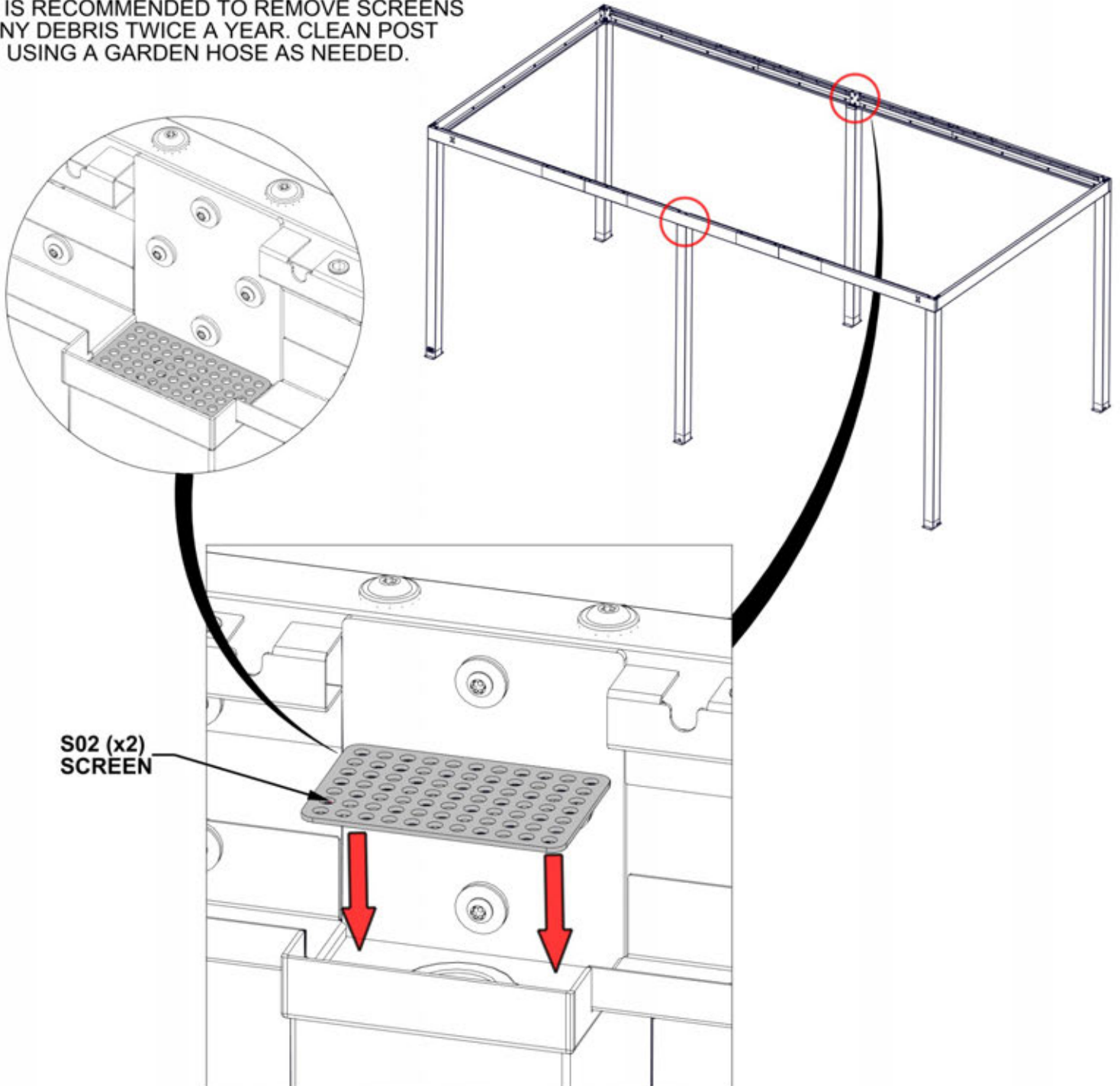
STEP 28B - DEBRIS SCREEN INSTALLATION



S02 SCREEN - A4M02584
(x2) 1/16"x2 11/16"x4 1/8" (2x68x104)

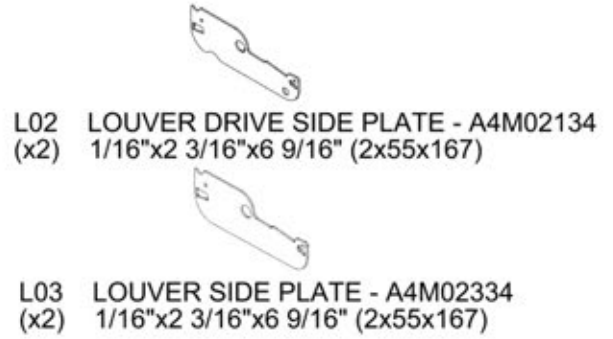
INSTALL DEBRIS SCREENS BY PLACING ON TOP OF EACH MIDDLE POST

TIP: IT IS RECOMMENDED TO REMOVE SCREENS
AND ANY DEBRIS TWICE A YEAR. CLEAN POST
DRAIN USING A GARDEN HOSE AS NEEDED.



STEP 29 - DRIVE LOUVER ASSEMBLY

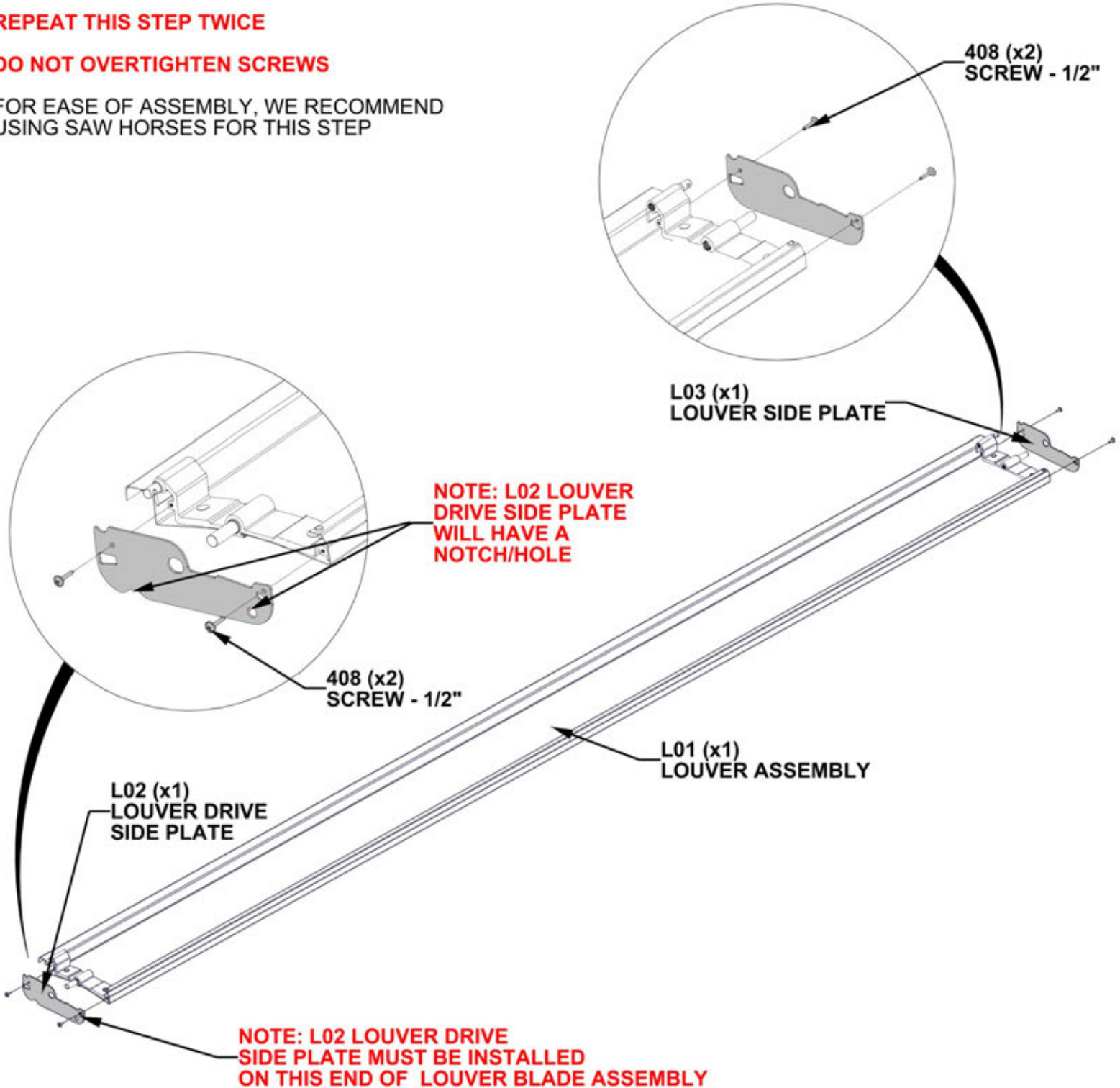
QTY	PartNo	Description
8	H100408	SCREW PWH 8x1/2 BLK



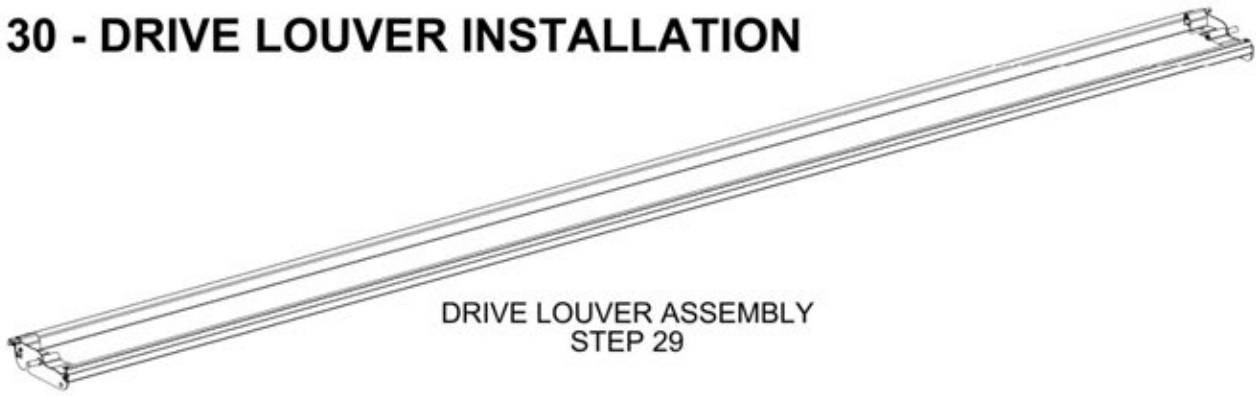
REPEAT THIS STEP TWICE

DO NOT OVERTIGHTEN SCREWS

FOR EASE OF ASSEMBLY, WE RECOMMEND USING SAW HORSES FOR THIS STEP

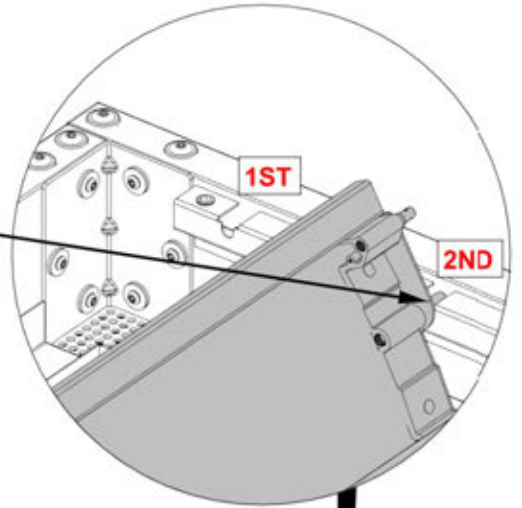


STEP 30 - DRIVE LOUVER INSTALLATION



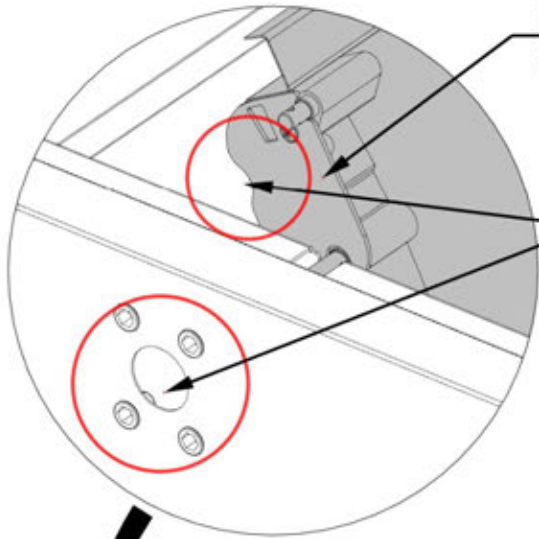
ORIENTATION OF LOUVER WILL BE DETERMINED BY THE SIDE BEAM WITH FOUR THREADED INSERTS

NOTE: PLACE DRIVE LOUVER ASSEMBLY IN THE SECOND SET OF LOUVER MOUNT GROOVES

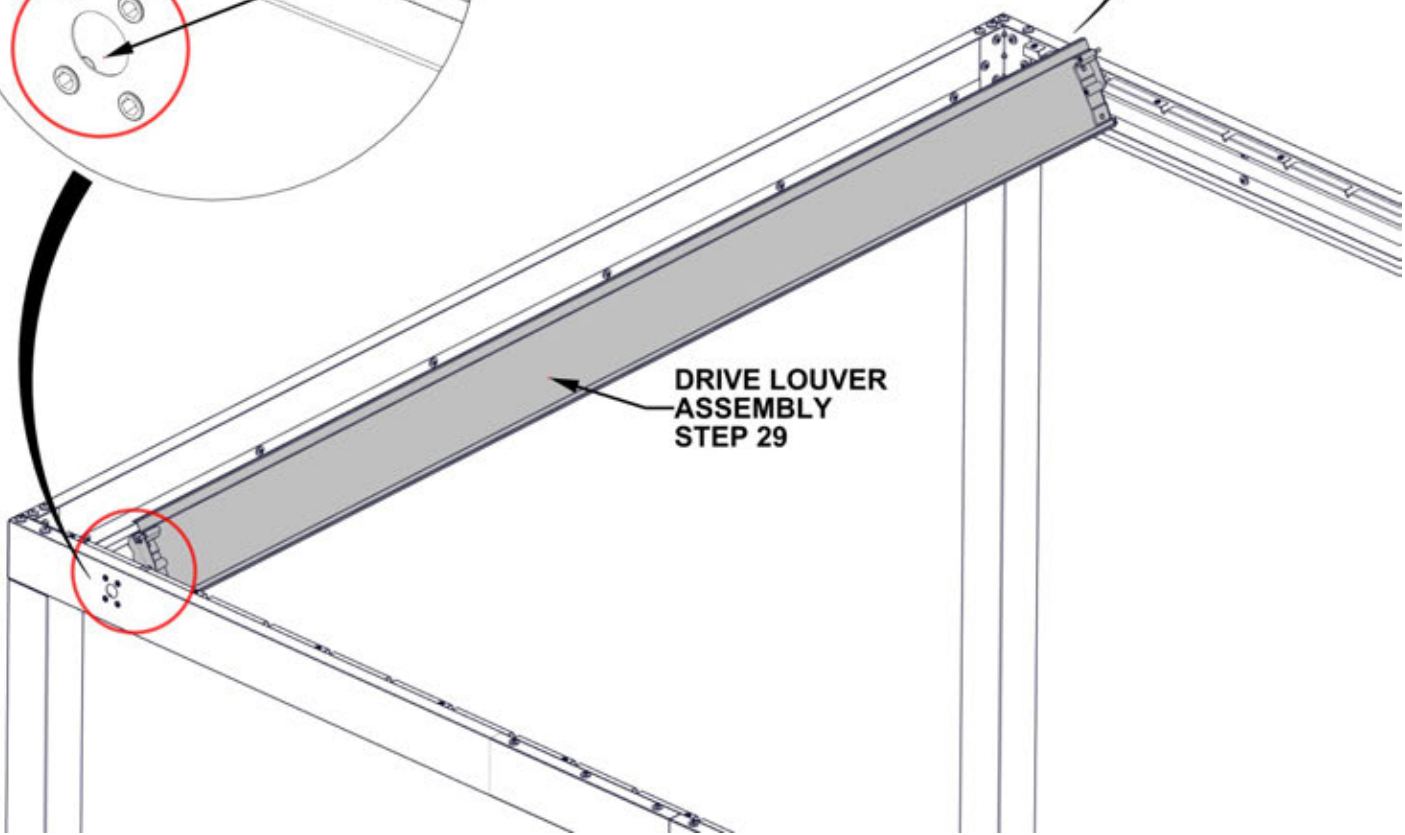


**L02
LOUVER DRIVE
SIDE PLATE**

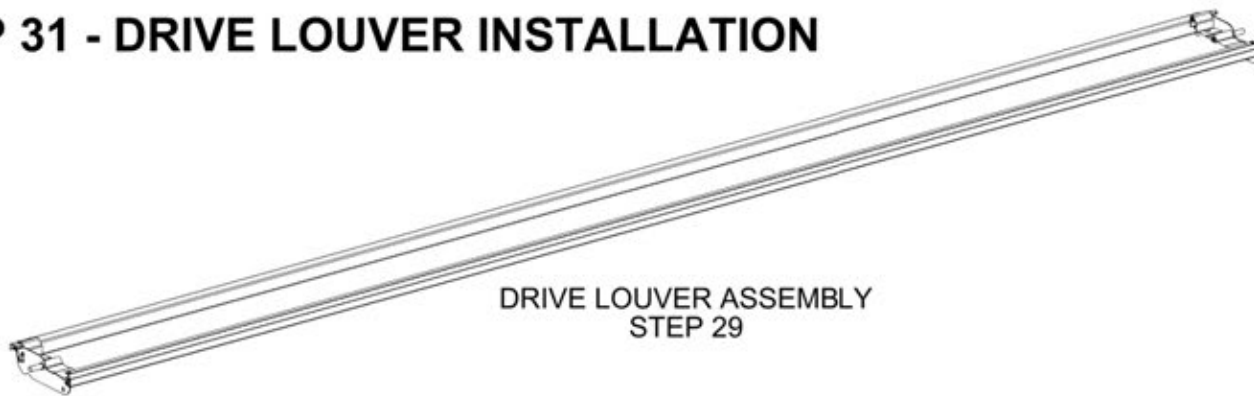
**NOTE: L02 SIDE PLATE
MUST BE ON THE SAME
END AS THE FOUR
THREADED INSERTS**



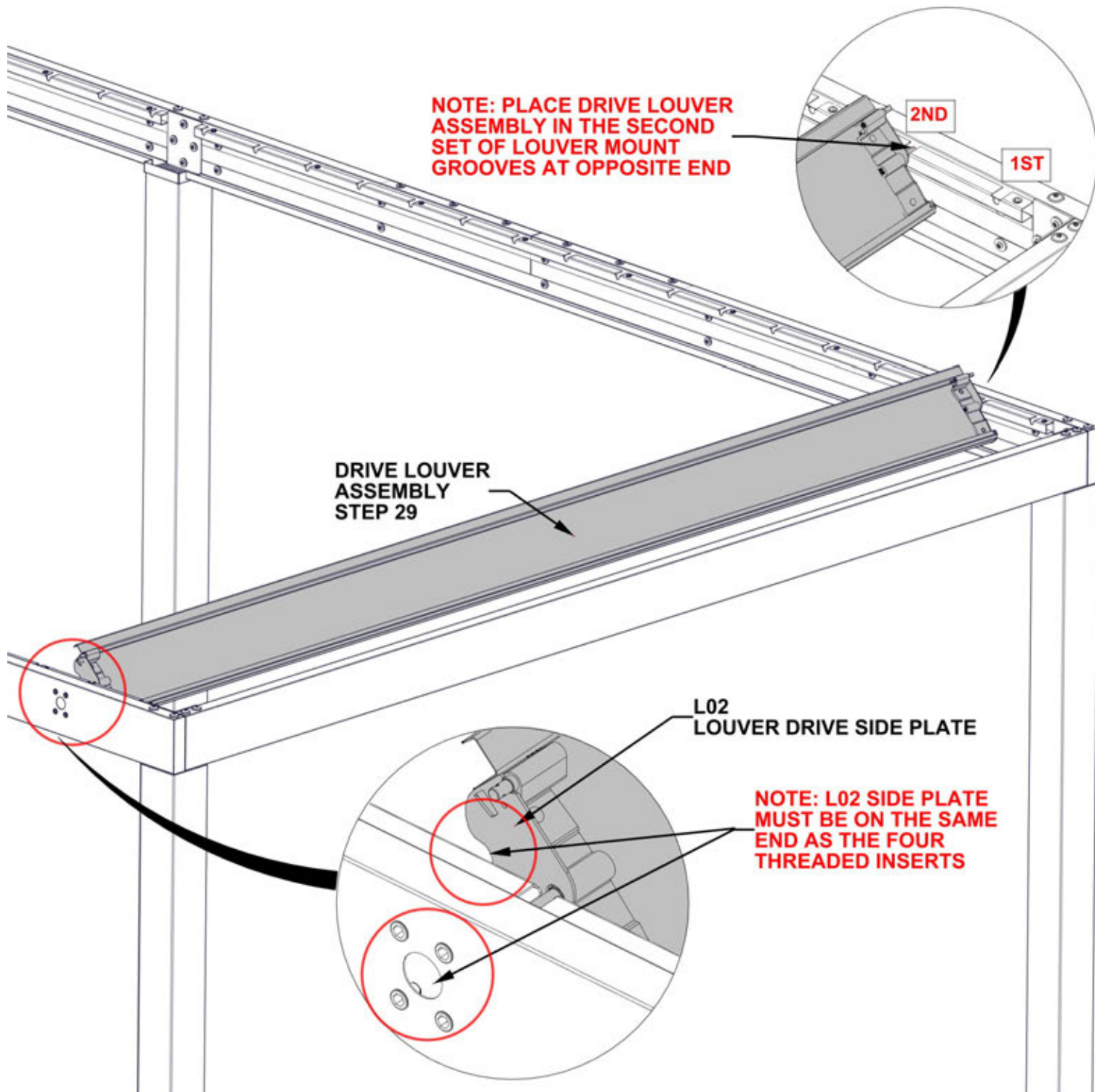
**DRIVE LOUVER
ASSEMBLY
STEP 29**



STEP 31 - DRIVE LOUVER INSTALLATION

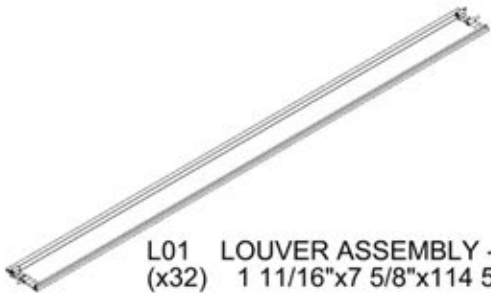


ORIENTATION OF LOUVER WILL BE DETERMINED BY THE SIDE BEAM WITH FOUR THREADED INSERTS



STEP 32 - LOUVER ASSEMBLY

QTY	PartNo	Description
128	H100408	SCREW PWH 8x1/2 BLK



L01 LOUVER ASSEMBLY - A4M01995
(x32) 1 11/16"x7 5/8"x114 5/16" (42x194x2904)

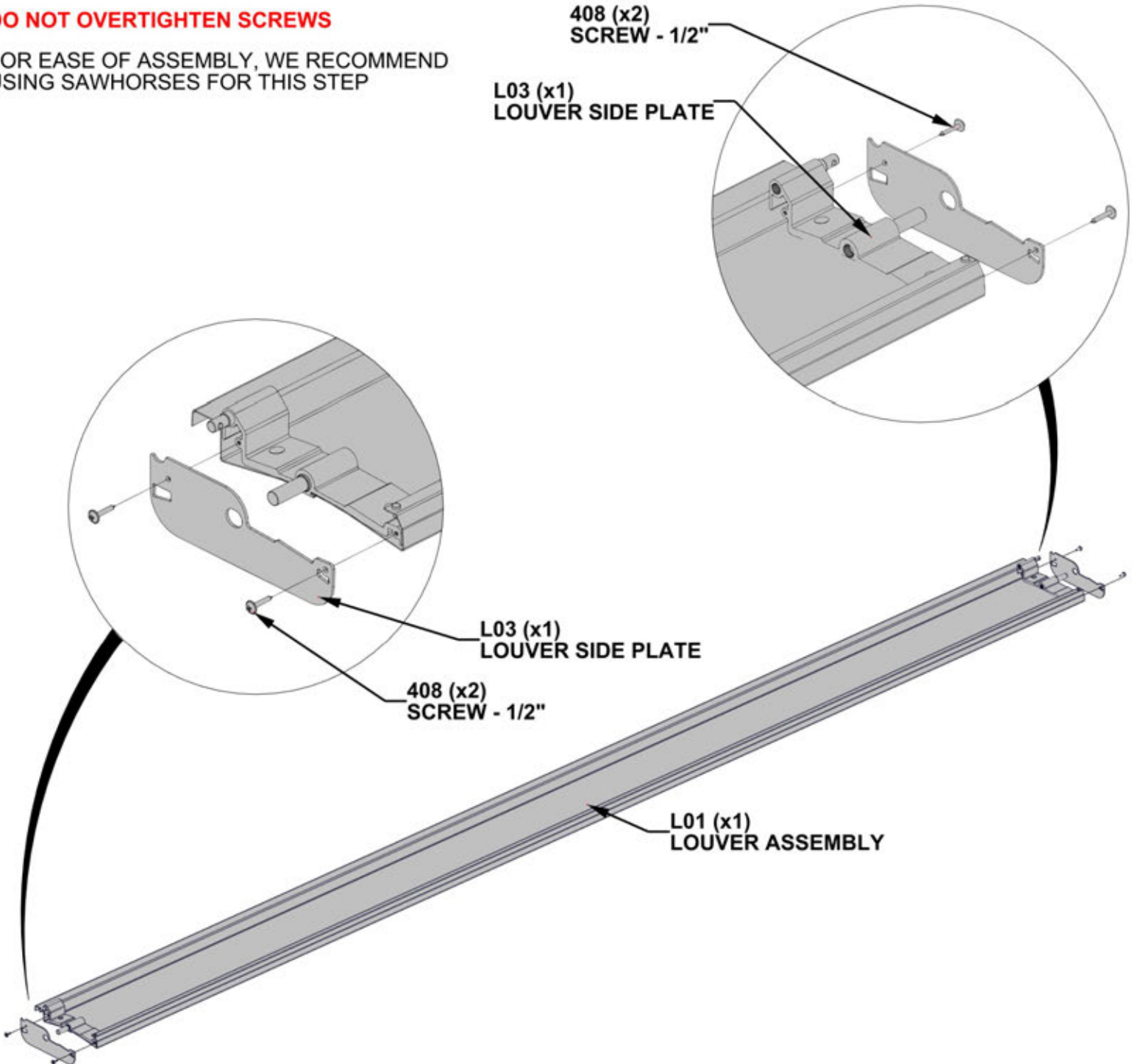


L03 LOUVER SIDE PLATE - A4M02334
(x64) 1/16"x2 3/16"x6 9/16" (2x55x167)

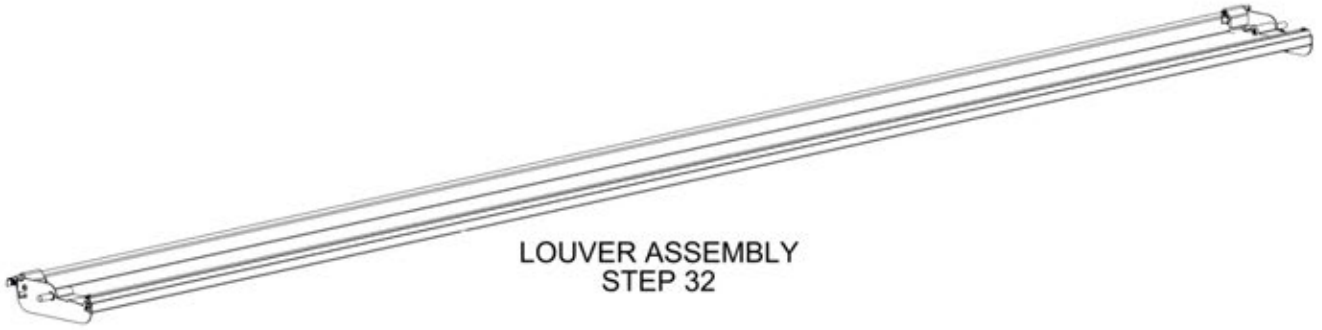
REPEAT THIS STEP 32 TIMES

DO NOT OVERTIGHTEN SCREWS

FOR EASE OF ASSEMBLY, WE RECOMMEND USING SAWHORSES FOR THIS STEP

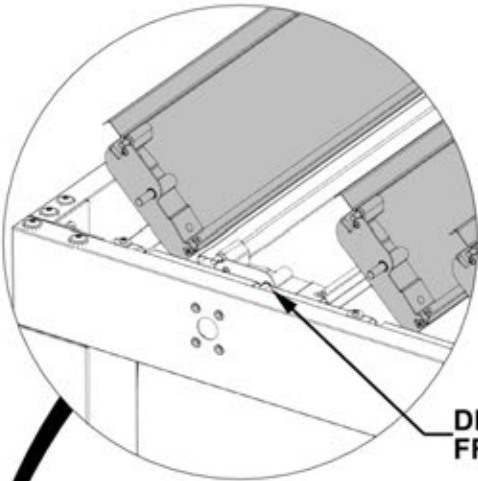
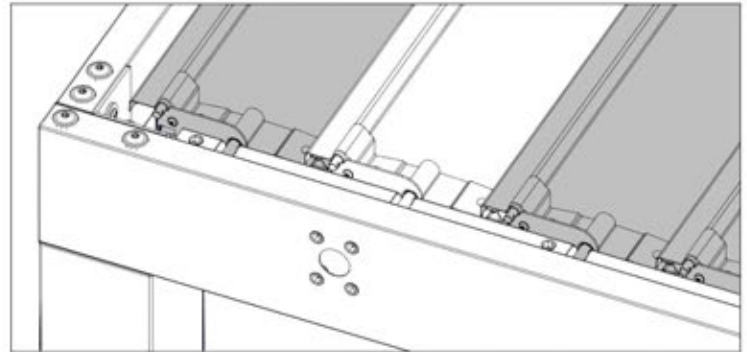


STEP 33 - LOUVER INSTALLATION

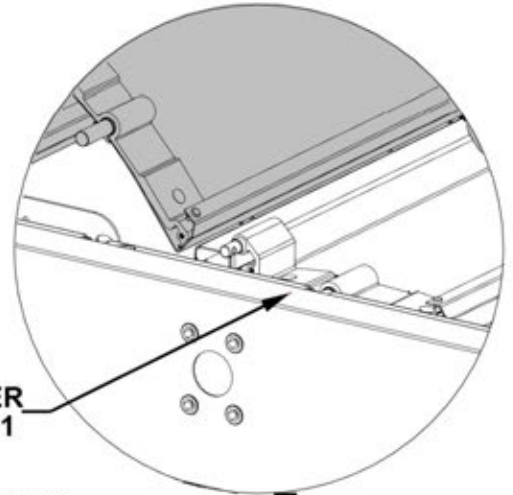


STARTING AT THE LEFT SIDE AND WORKING TO THE RIGHT, CAREFULLY SET EACH LOUVER ASSEMBLY ONE AT A TIME INTO LOUVER MOUNTS AT EACH END

NOTE: MAKE SURE ALL LOUVER BLADE ASSEMBLIES ARE ORIENTED IN THE SAME DIRECTION



DRIVE LOUVER
FROM STEP 30

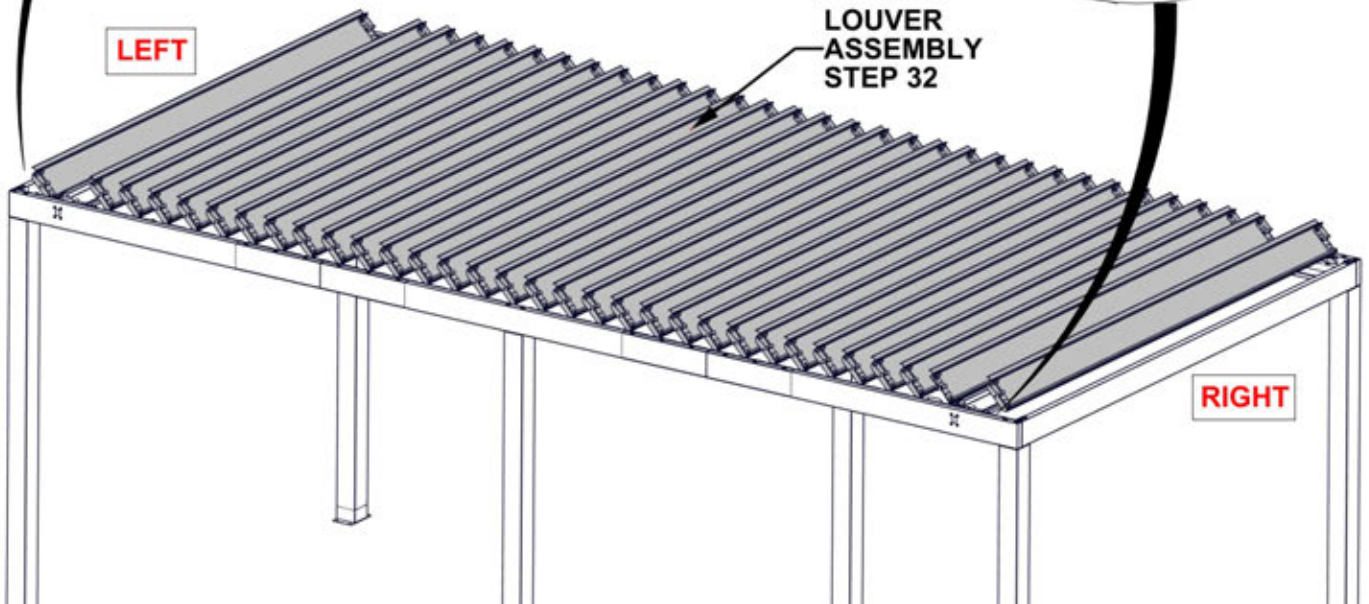


DRIVE LOUVER
FROM STEP 31

LEFT

LOUVER
ASSEMBLY
STEP 32

RIGHT



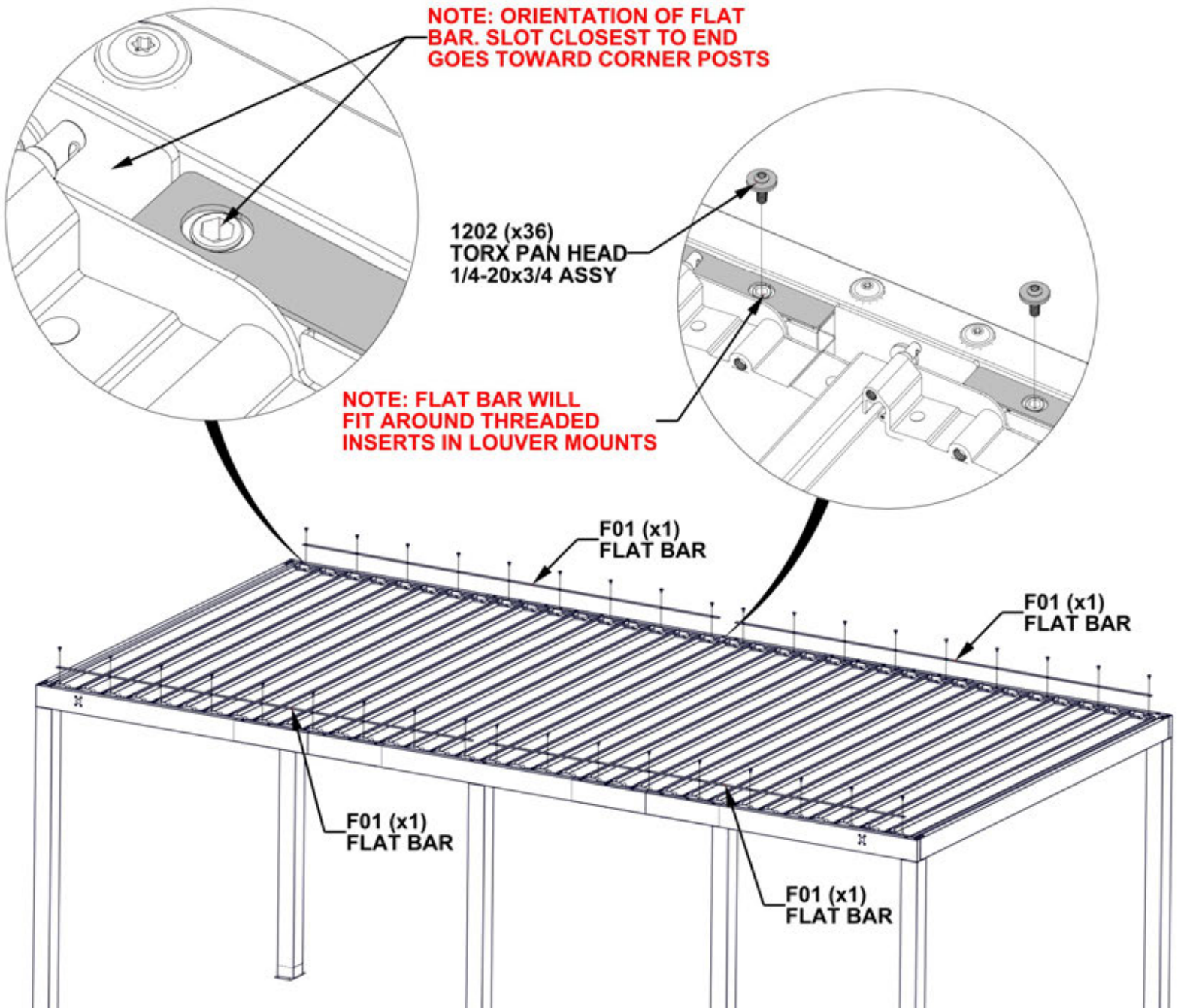
STEP 34 - LOUVER INSTALLATION



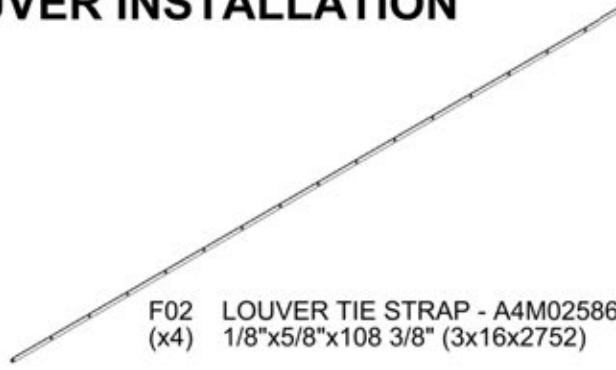
QTY	PartNo	Description
36	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY

F01 FLAT BAR - A4M02585
(x4) 1/16"x1"x110 3/4" (2x25x2813)

**ATTACH FLAT BAR ALONG EACH LOUVER MOUNT.
FLAT BAR WILL HOLD ALL LOUVERS IN PLACE.**

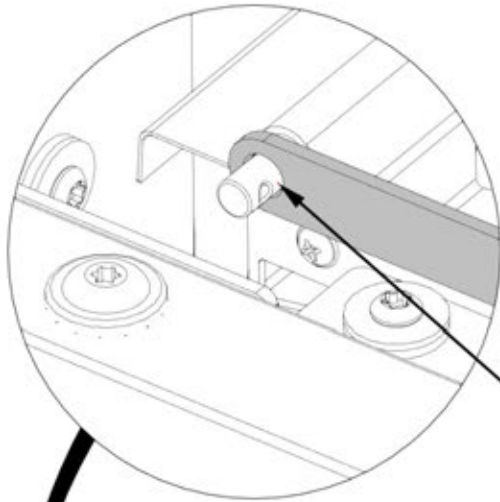
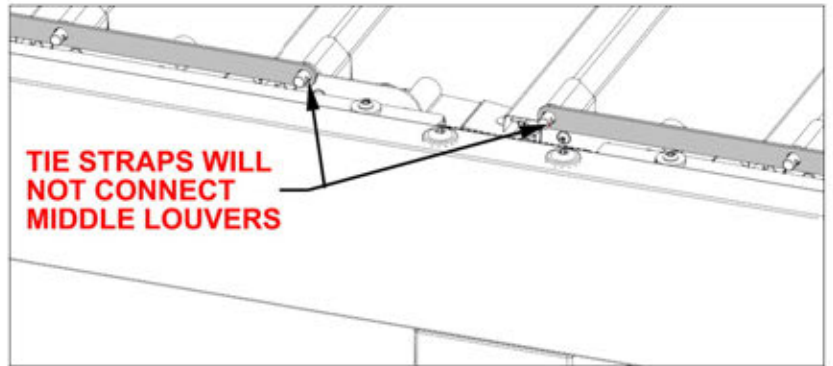


STEP 35A - LOUVER INSTALLATION



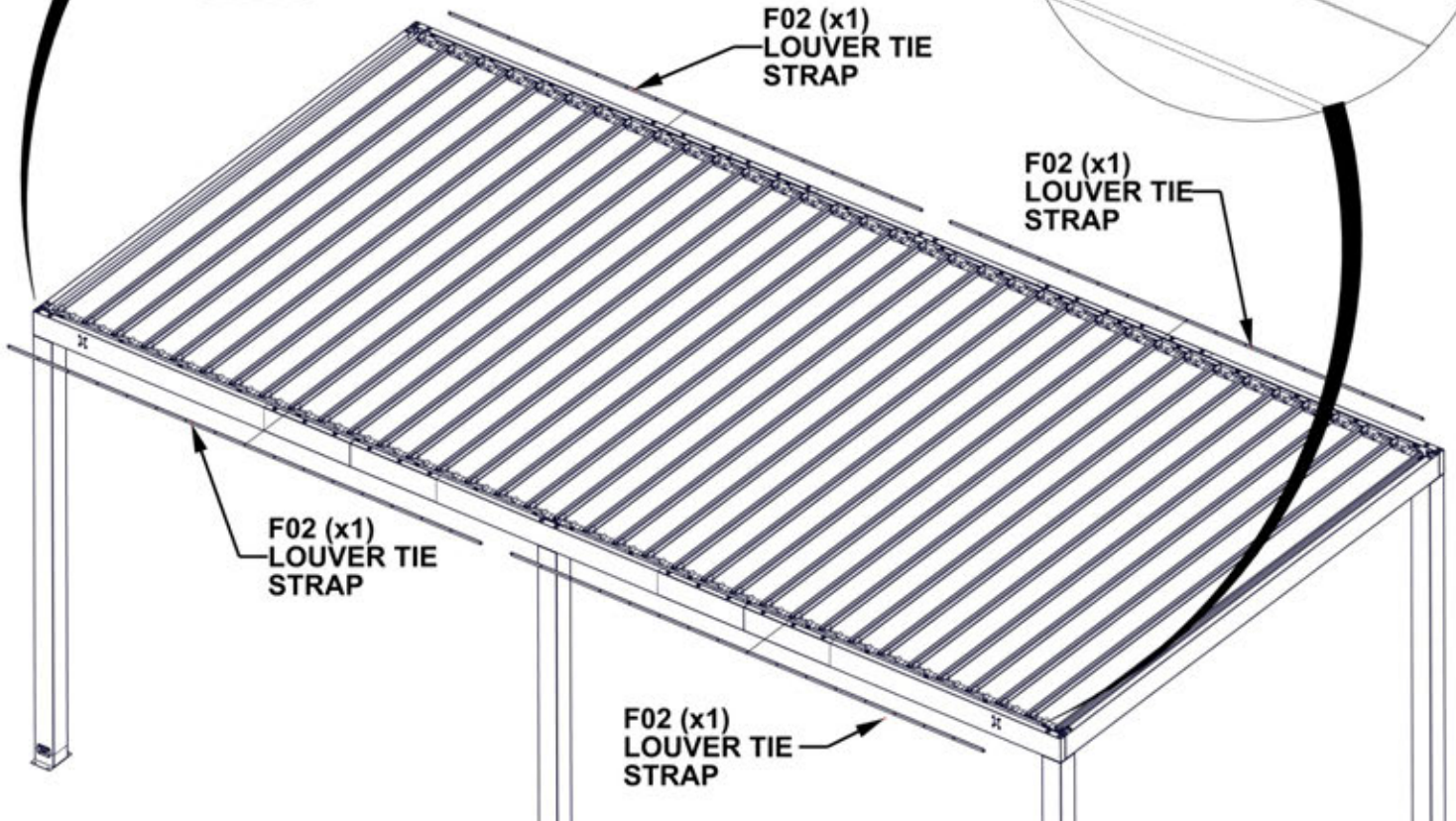
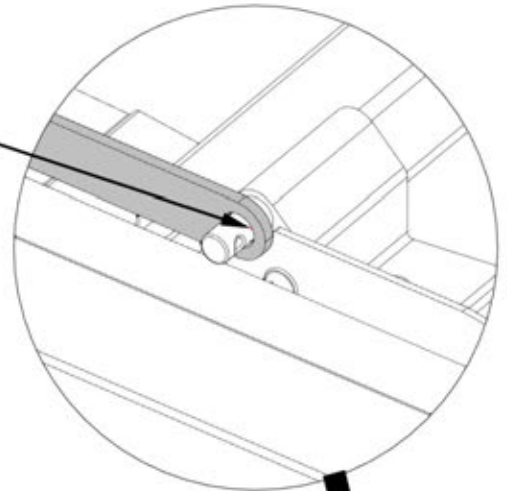
LOUVER TIE STRAPS WILL CONNECT LOUVERS TO ONE ANOTHER

STARTING AT THE ENDS OF THE ASSEMBLY, CONNECT LOUVERS USING TIE STRAPS.

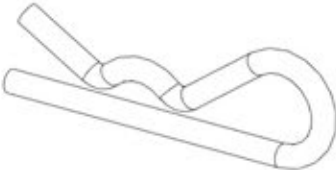


START LOUVER TIE STRAP AT EACH END

START LOUVER TIE STRAP AT EACH END

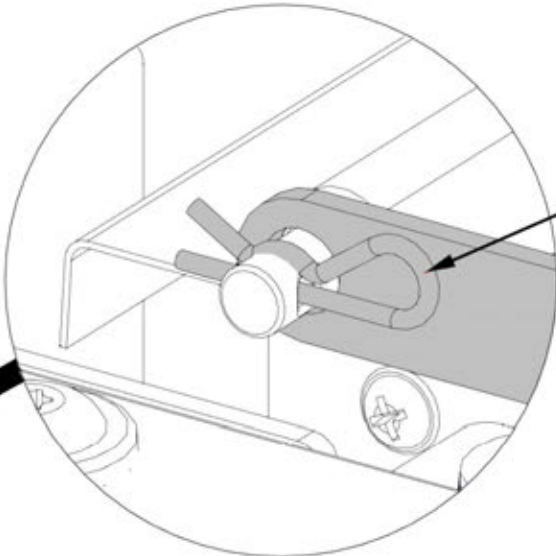


STEP 35B - LOUVER INSTALLATION

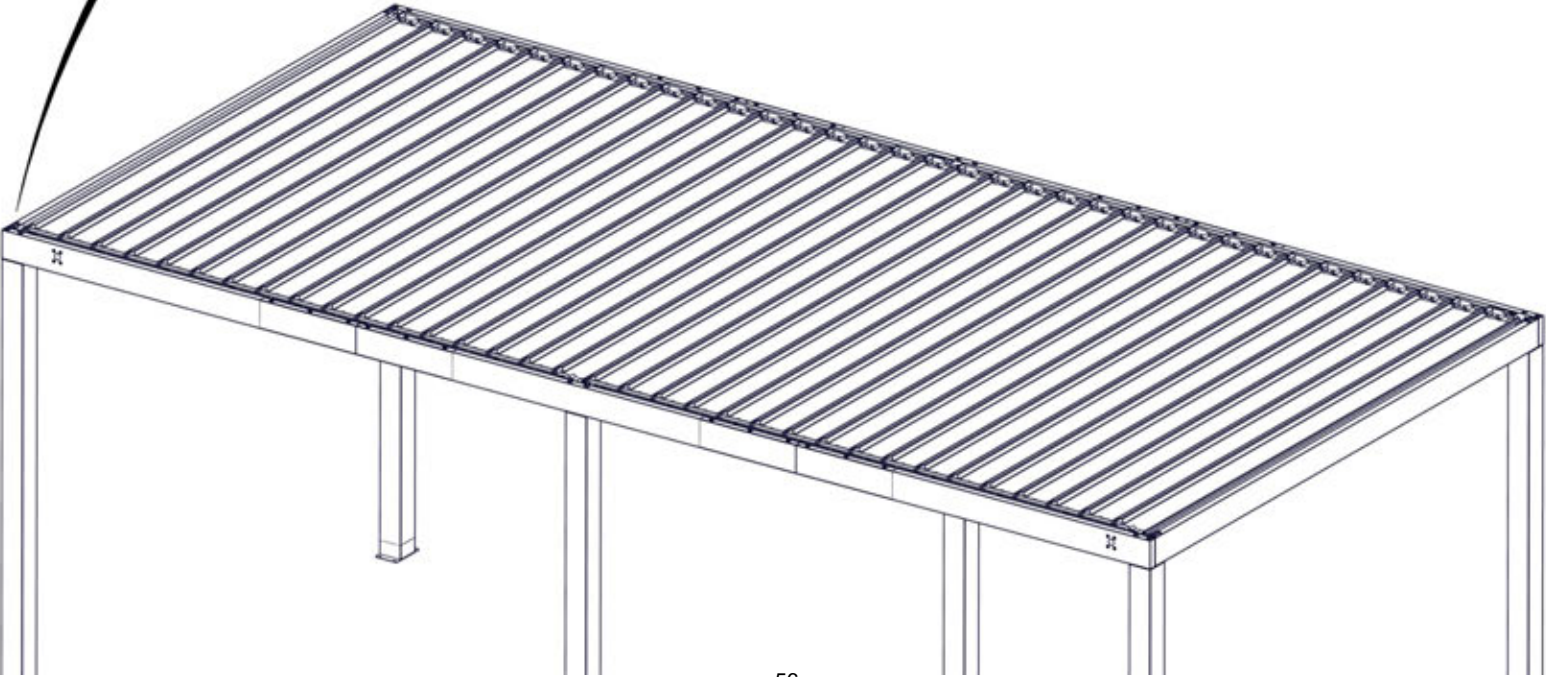


H101161 COTTER PIN
(x68)

**INSTALL COTTER PINS ON EACH LOUVER
TO HOLD TIE STRAPS IN PLACE**



1161 (x68)
COTTER PIN



STEP 36 - LOUVER MECHANISM

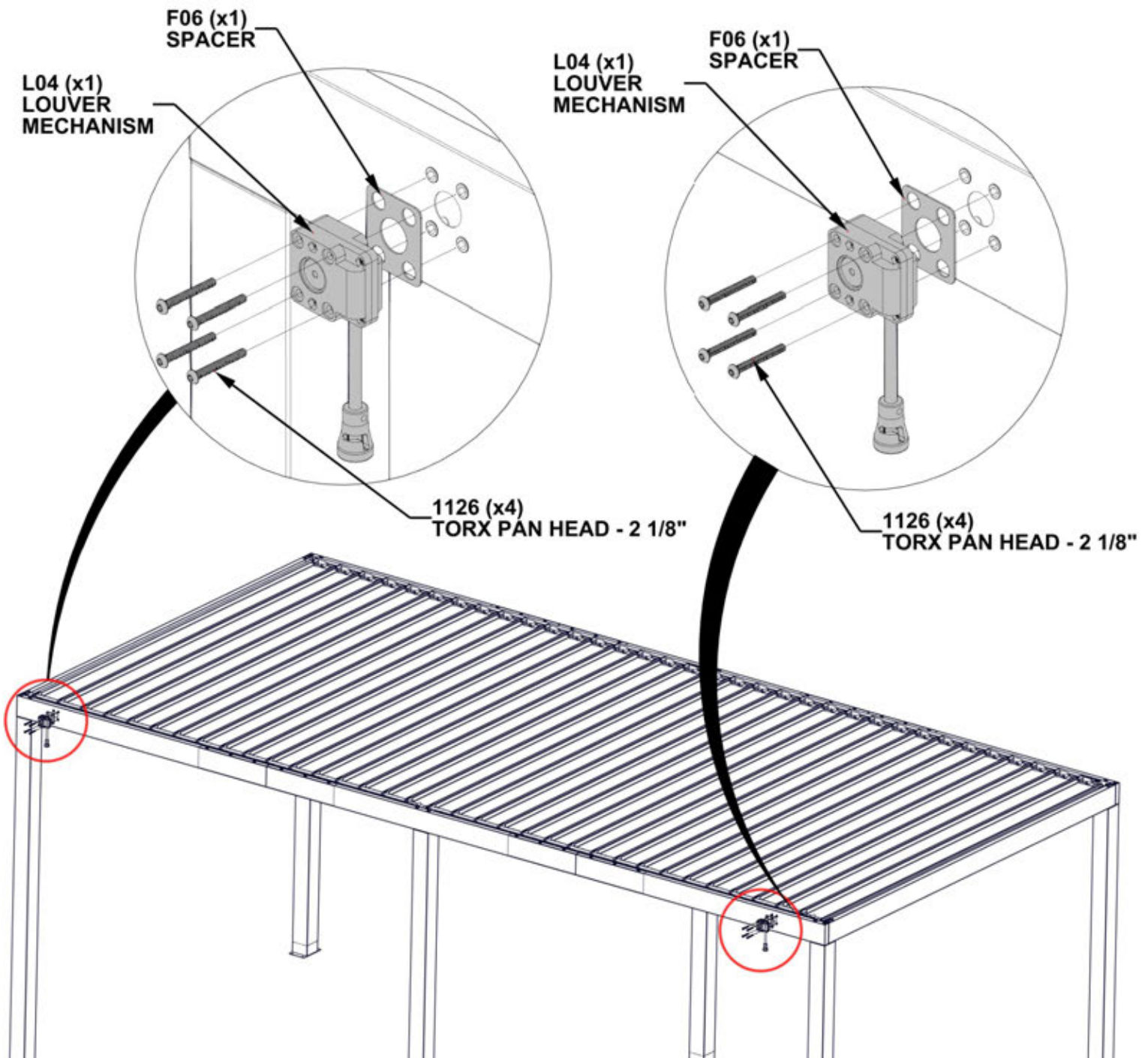
QTY	PartNo	Description
8	H101126	TORX PAN HEAD 1/4-20x2 1/8"



L04 LOUVER MECHANISM (x2)

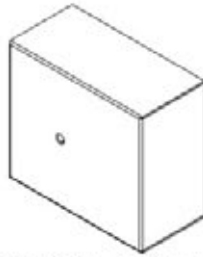


F06 SPACER - A4M02227 (x2)
1/16"x2 3/16"x2 3/4" (1.5x56x70)



STEP 37 - LOUVER MECHANISM

QTY	PartNo	Description
1	H101187	BOLT PPH 8-32x1 1/8 BLK

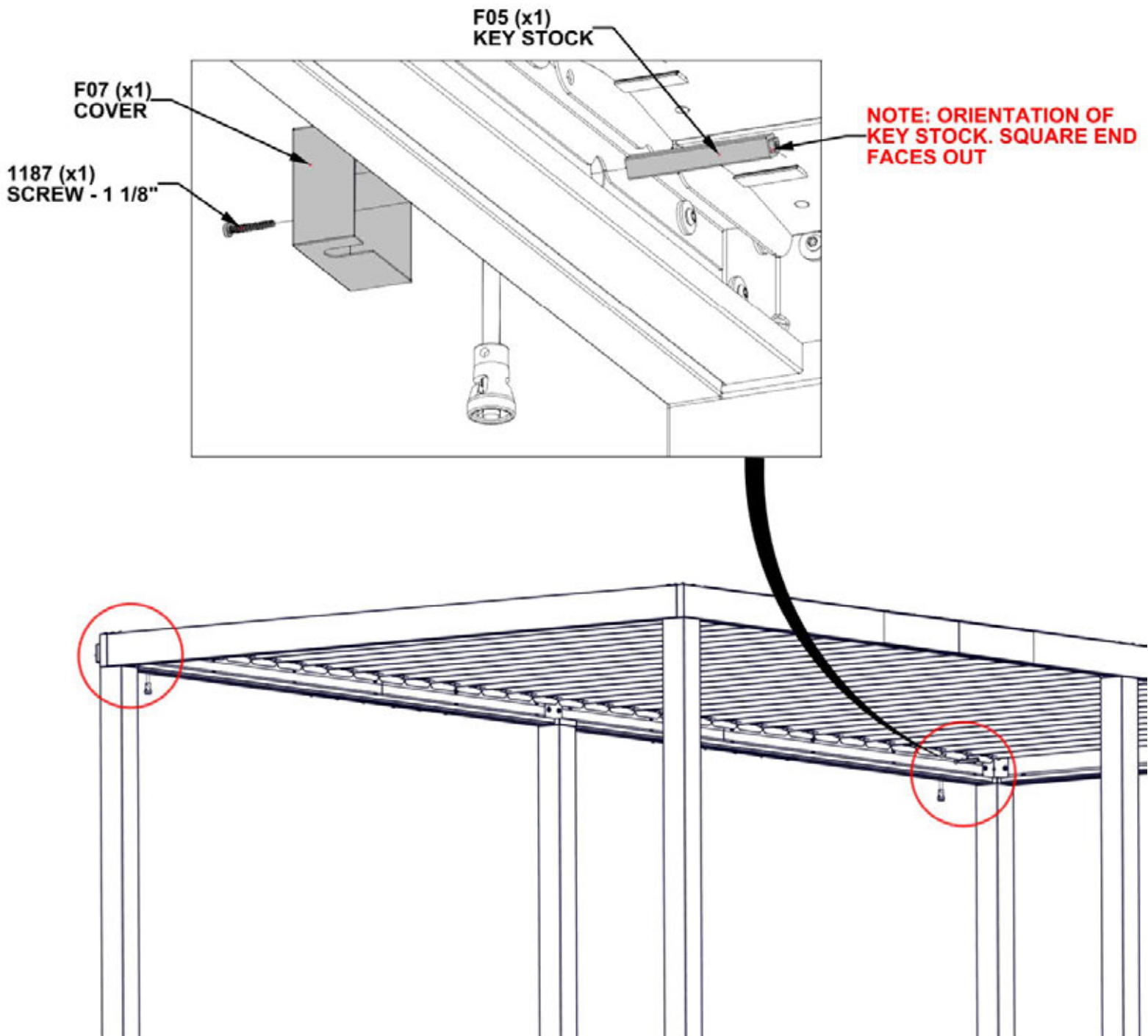


F07 COVER - A4M02228
(x2) 1 9/16"x2 7/8"x3 1/4" (39.5x73x82)



F05 KEY STOCK - A4M02226
(x2) 1/2"x1/2"x3 3/4" (13x13x95)

REPEAT THIS STEP FOR BOTH MECHANISMS AT EACH END OF ASSEMBLY



STEP 38A - LOUVER MECHANISM

QTY	PartNo	Description
2	H100653	NUT LOCK 1/4 BLK
2	H101189	LOW PROFILE SHOULDER BOLT 1/4-20x.375
4	H100474	WASHER FLAT 9x18 BLK



F03 LINKAGE STRAP - A4M02229
(x2) 1/2"x11/16"x3 13/16" (13x17x97)

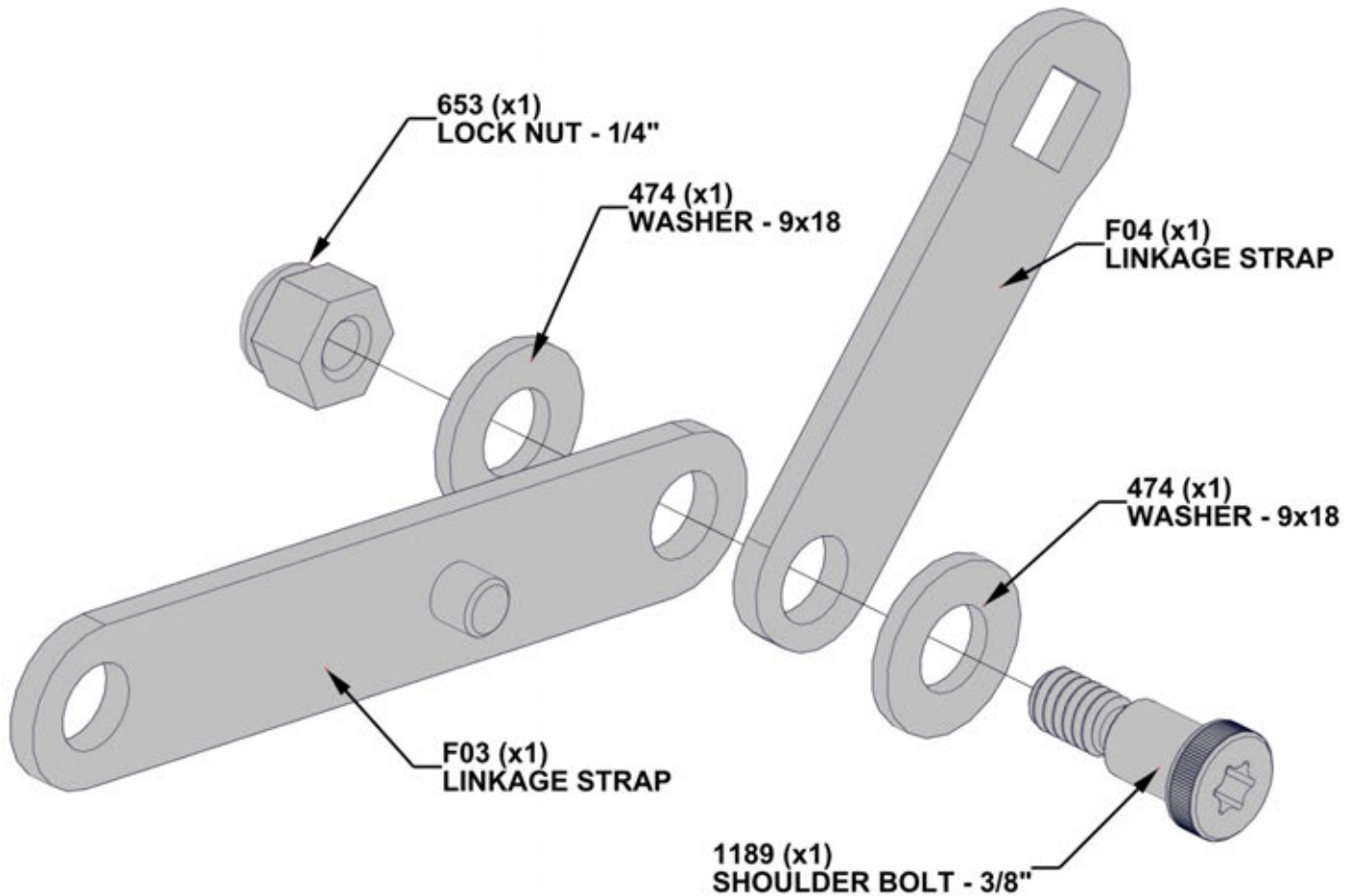


F04 LINKAGE STRAP - A4M02225
(x2) 1/8"x13/16"x2 5/8" (3x20x66)

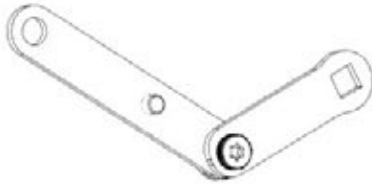
**LINKAGES MUST BE ORIENTED AS SHOWN BELOW.
DO NOT OVERTIGHTEN HARDWARE.**

LINKAGES SHOULD BE ABLE TO ROTATE FREELY.

REPEAT THIS STEP TWICE



STEP 38B - LOUVER MECHANISM



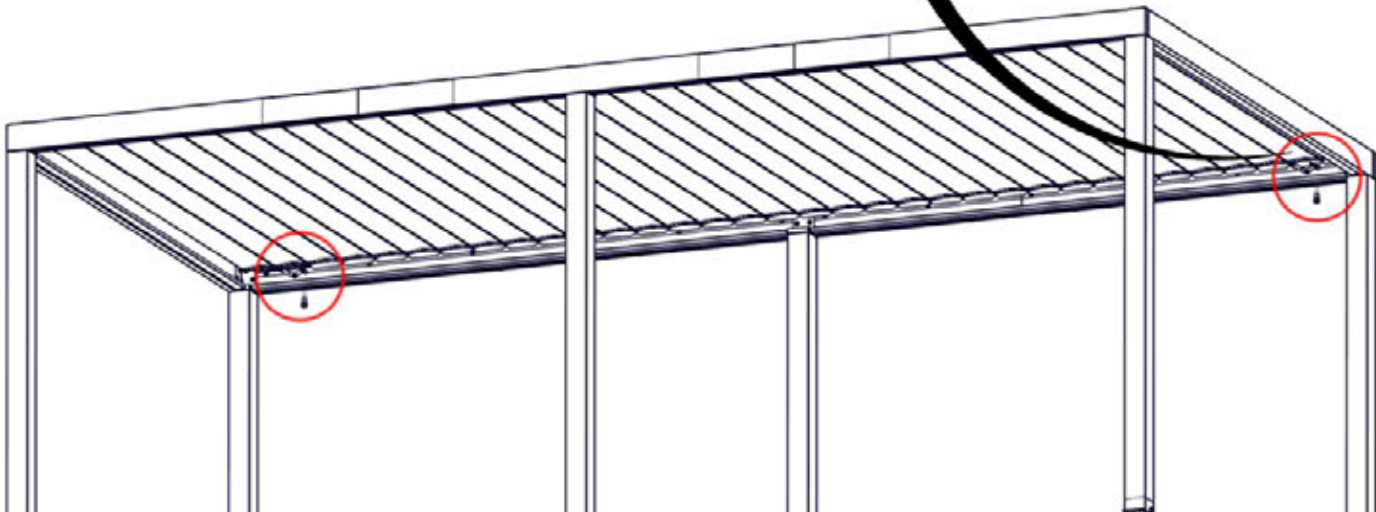
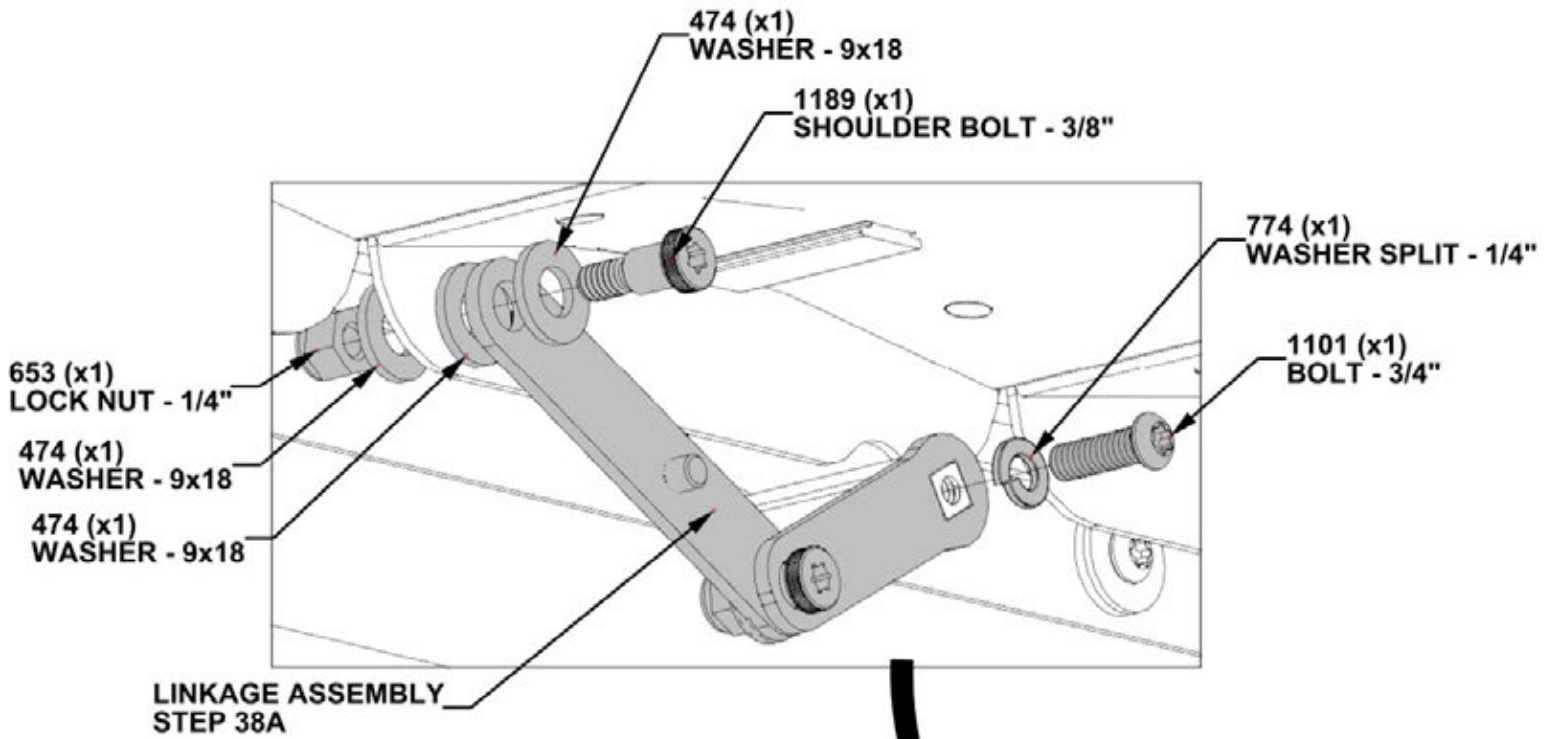
LINKAGE ASSEMBLY
STEP 38A

QTY	PartNo	Description
2	H100653	LOCK NUT - 1/4"
2	H101189	LOW PROFILE SHOULDER BOLT 1/4-20x.375
2	H101101	TORX PAN HEAD 1/4-20x3/4"
2	H100774	WASHER SPLIT 1/4 BLK
6	H100474	WASHER FLAT 9x18 BLK

**LINKAGES MUST BE ORIENTED AS SHOWN BELOW.
DO NOT OVERTIGHTEN HARDWARE.**

LINKAGES SHOULD BE ABLE TO ROTATE FREELY.

REPEAT THIS STEP FOR BOTH MECHANISMS AT EACH END.

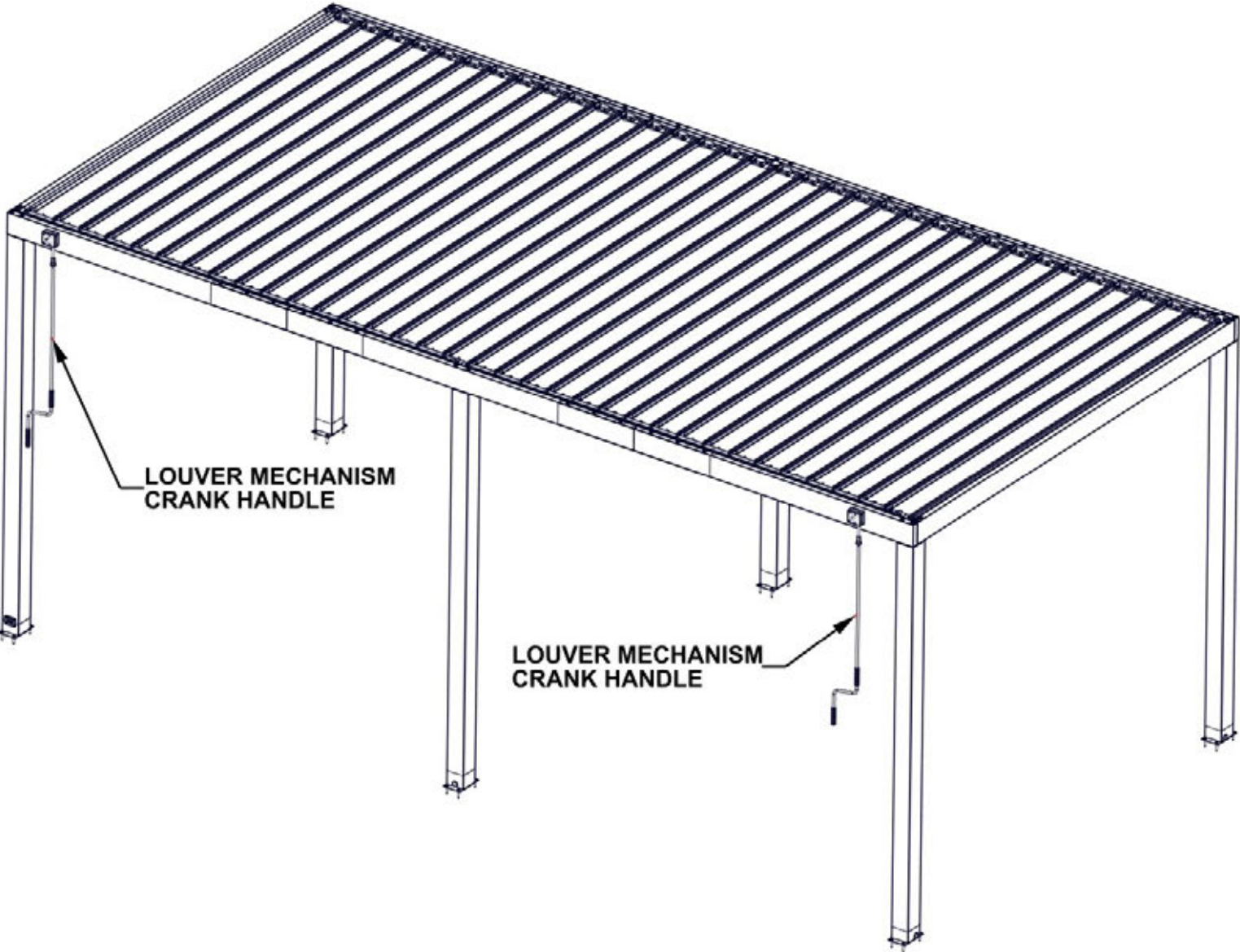


STEP 38C - LOUVER MECHANISM



LOUVER MECHANISM
CRANK HANDLE

**CONNECT CRANK HANDLE TO MECHANISMS.
TURN HANDLE TO LOCK IN PLACE.**



STEP 39 - PERGOLA ANCHORING

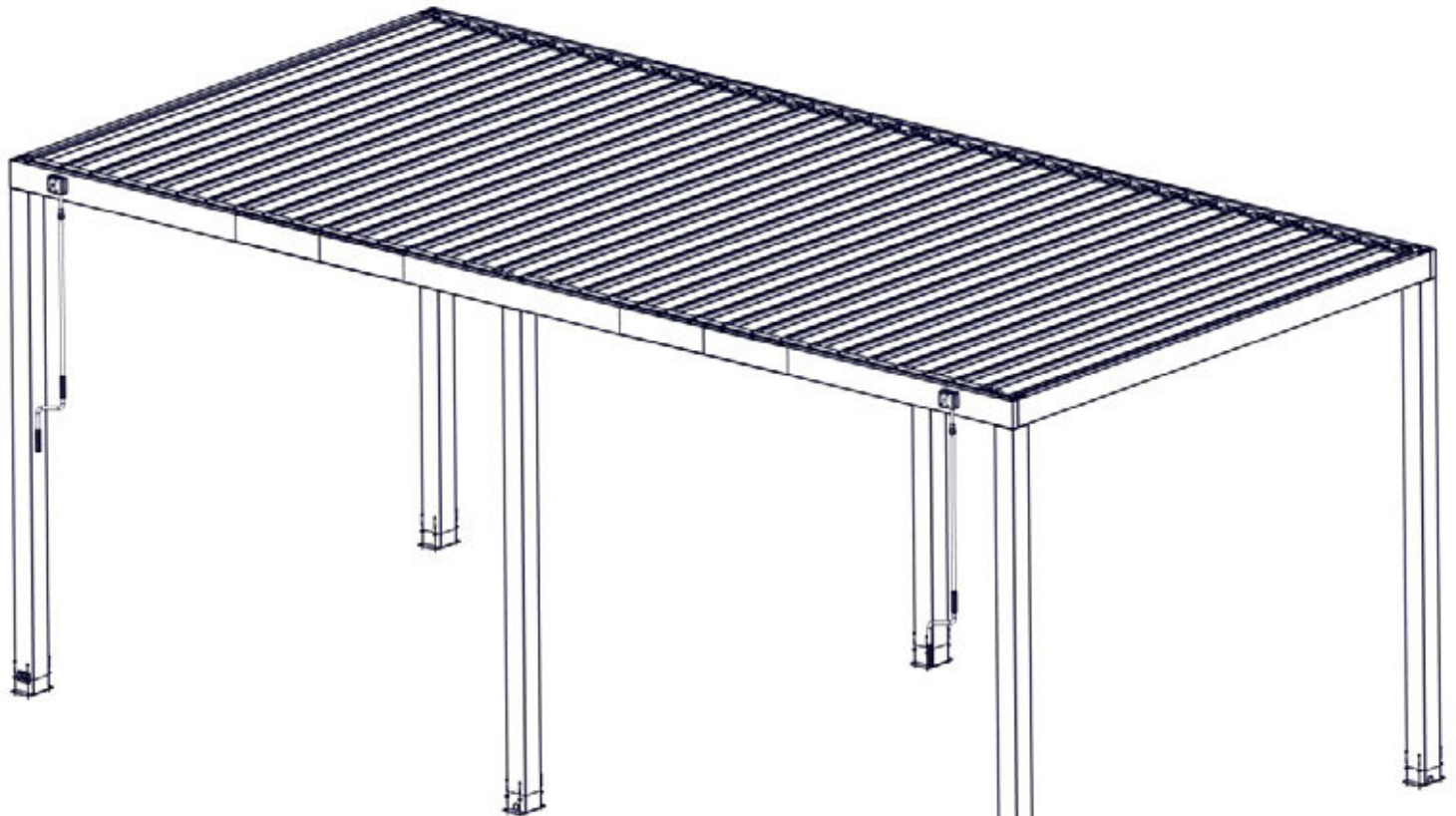
QTY	PartNo	Description
24	H100120	CONCRETE ANCHOR 1/4"x2"
24	H100630	WASHER FLAT 8x19 BLK

NOTES:
MANUFACTURER RECOMMENDS INSTALLATION ON CONCRETE SURFACE OR CONCRETE POST PADS. SEE BELOW.

FOR INSTALLATION ON WOOD DECKS, YOU MUST ENSURE THERE IS AMPLE STRUCTURAL SUPPORT UNDER DECK.

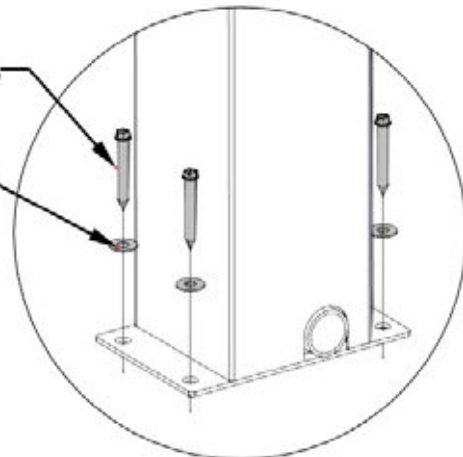
REPEAT THIS STEP FOR ALL 6 POST.

NOTES:
PRE-DRILL HOLES FOR CONCRETE ANCHORS USING A 3/16" CONCRETE DRILL BIT.



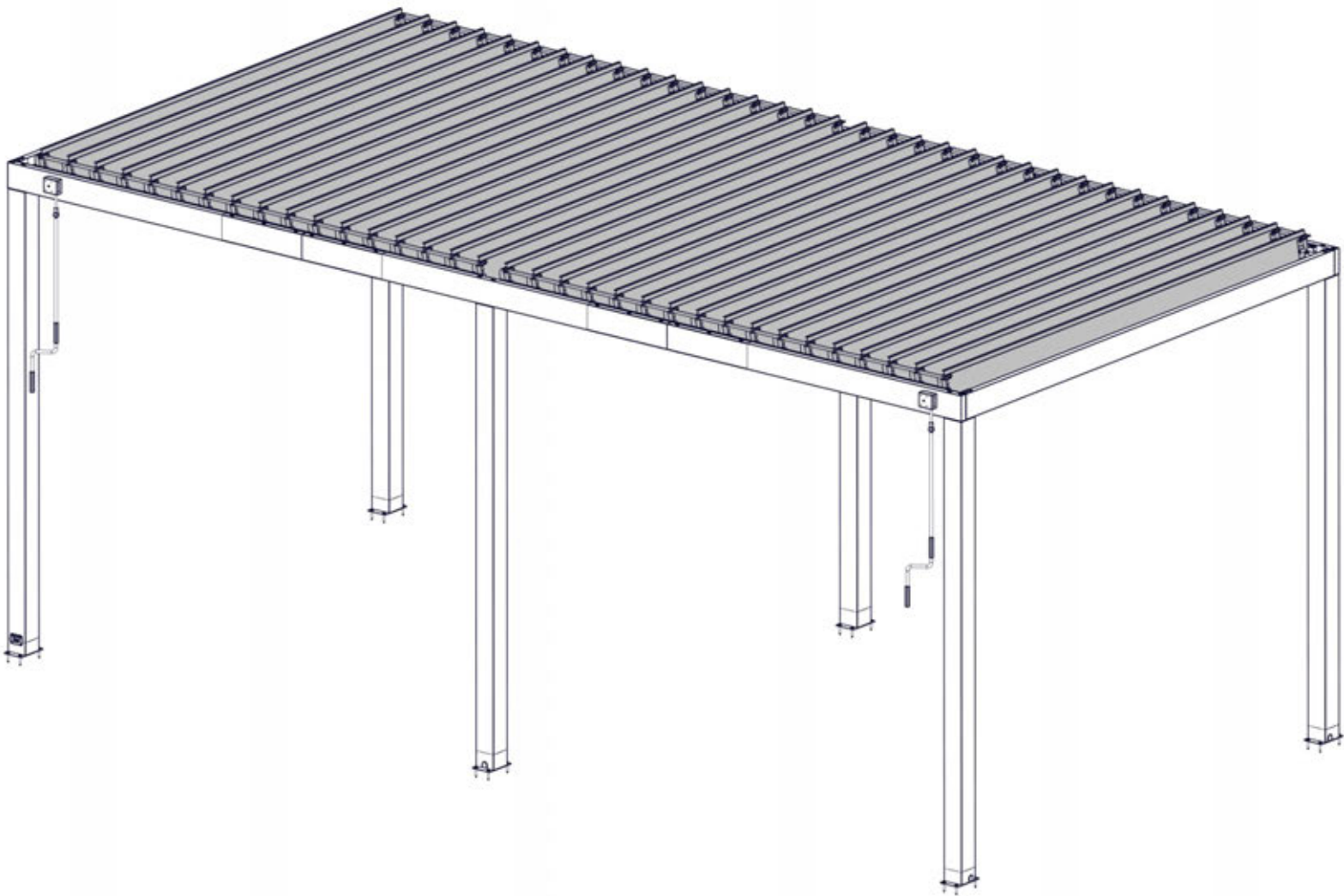
120 (x4)
CONCRETE SCREW-2"

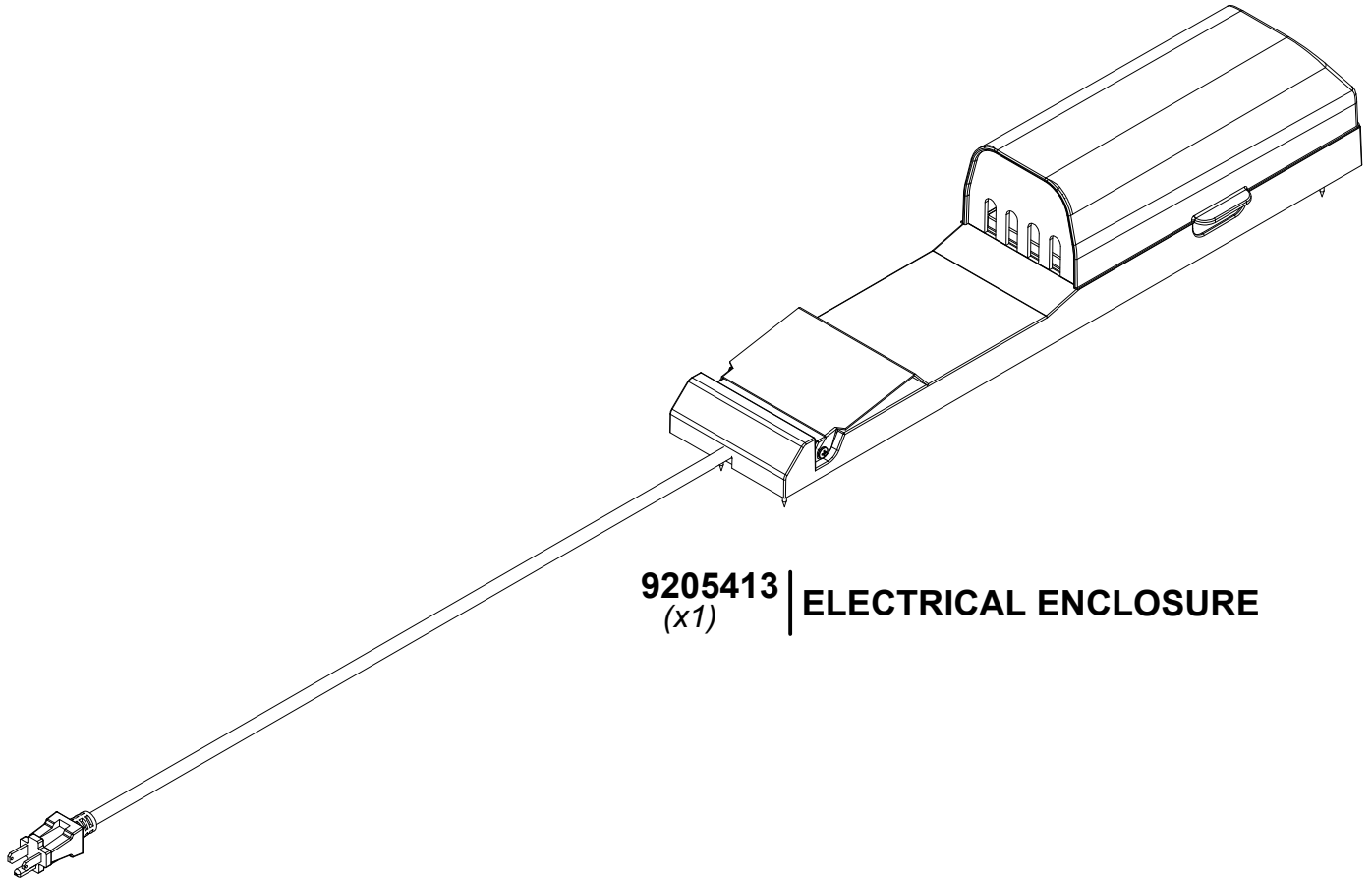
630 (x4)
WASHER - 8x19



STEP 40 - PREVENTATIVE MAINTENANCE

NOTE - IT IS IMPORTANT TO TAKE CAUTION WHEN HIGH WINDS OR WINTER WEATHER SUCH AS ICE OR SNOW IS EXPECTED. IF INCLEMENT WEATHER ARISES, IT IS RECOMMENDED TO TURN LOUVERS INTO THE FULLY OPEN (UPRIGHT) POSITION. THIS WILL PREVENT DAMAGE TO THE STRUCTURE AND DECREASE THE CHANCES OF STRUCTURE OR LOUVER DAMAGE.





9205413 | **ELECTRICAL ENCLOSURE**
(x1)

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