



Manufactured by:
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18x10 SARASOTA LOUVERED PERGOLA

MODEL # : 2407145D & 2407145D-I



WARNING

Cancer and Reproductive Harm
www.P65Warnings.ca.gov



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



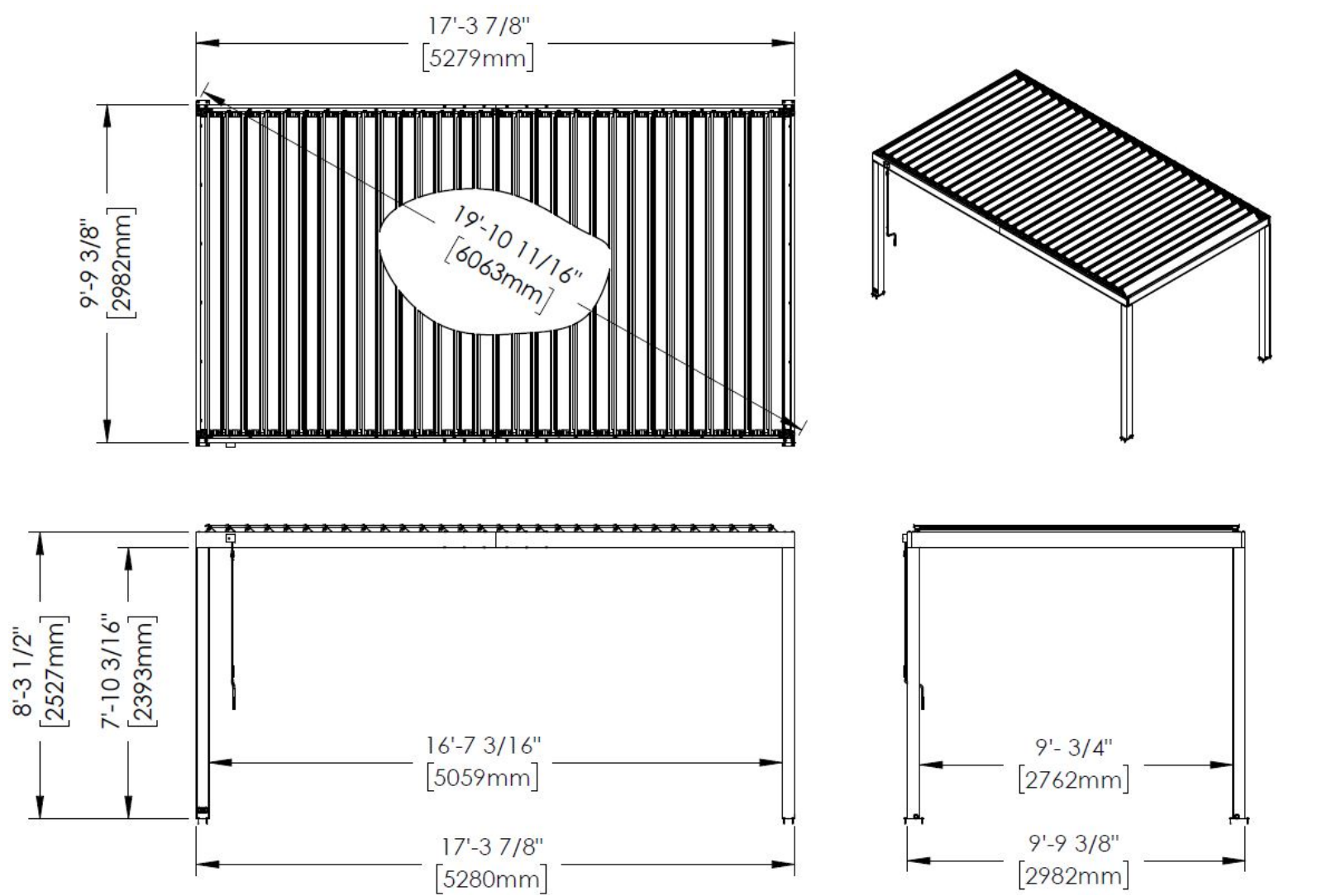
OWNER'S MANUAL - BASIC SETUP DIMENSIONS & ASSEMBLY NOTES

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

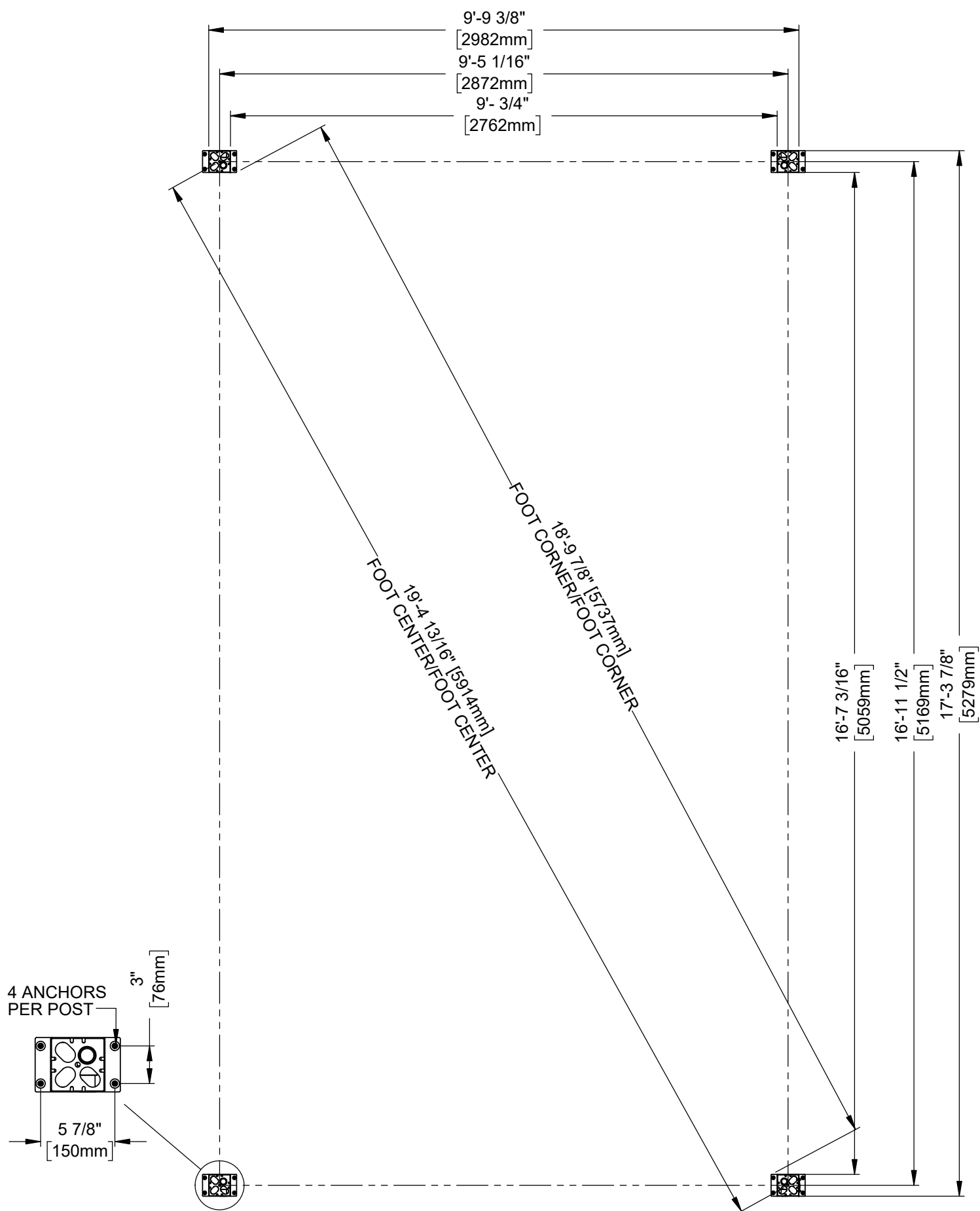
- Pay close attention to the items needed for each step. Make sure you are using the correct hardware for each step. Using incorrect hardware may result in improper assembly
- Remember to double check for underground utilities and overhead electrical lines

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

OWNERS MANUAL - PARTS IDENTIFICATION



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



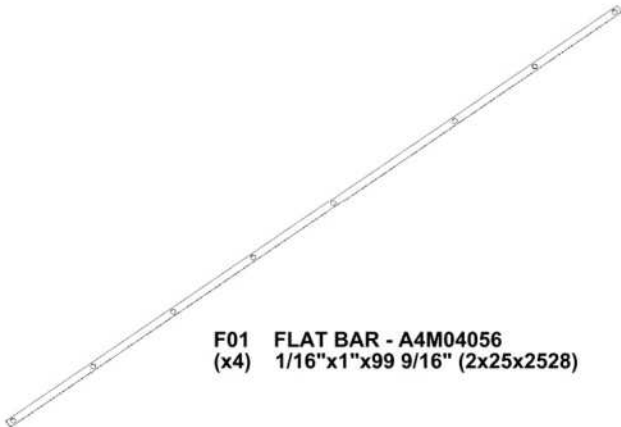
B02 BEAM - A4M04049
(x2) 1 7/16"x5 1/4"x103 7/8" (36x134x2639)



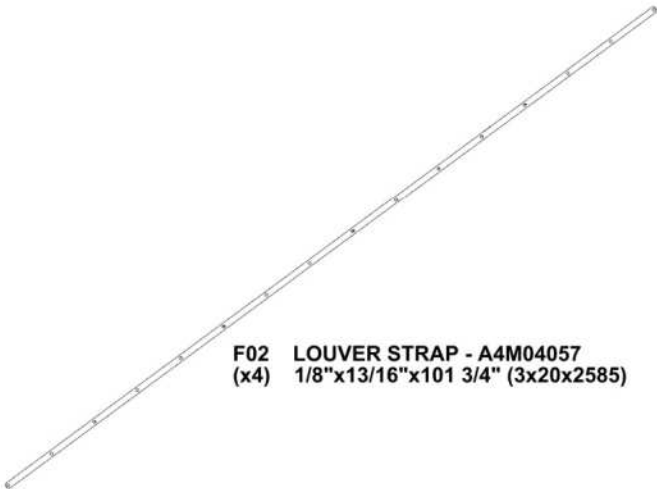
B03 BEAM - A4M04050
(x1) 1 7/16"x5 1/4"x103 7/8" (36x134x2639)



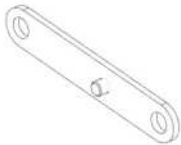
B04 BEAM - A4M04048
(x1) 1 7/16"x5 1/4"x103 7/8" (36x134x2639)



F01 FLAT BAR - A4M04056
(x4) 1/16"x1"x99 9/16" (2x25x2528)



F02 LOUVER STRAP - A4M04057
(x4) 1/8"x13/16"x101 3/4" (3x20x2585)



F03 LINKAGE STRAP - A4M02229
(x1) 1/8"x11/16"x3 13/16" (13x17x97)



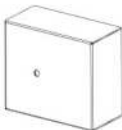
F04 LINKAGE STRAP - A4M02225
(x1) 1/8"x13/16"x2 5/8" (3x20x66)



F05 KEY STOCK - A4M02226
(x1) 1/2"x1/2"x3 3/4" (13.0x13.0x95)

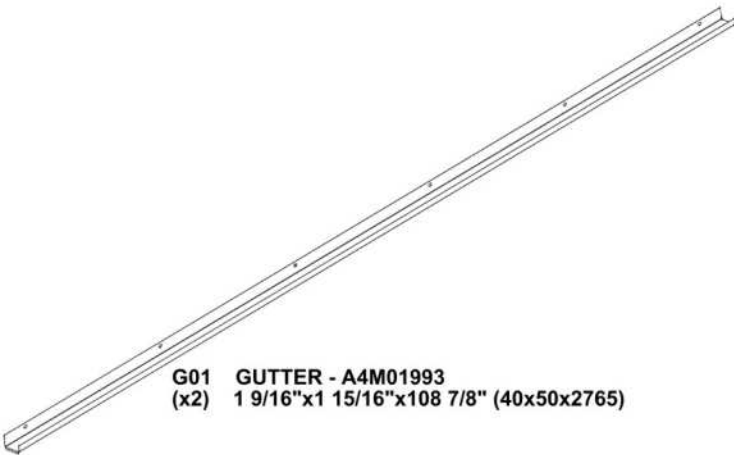


F06 SPACER - A4M02227
(x1) 1/16"x2 3/16"x2 3/4" (1.5x56x70)

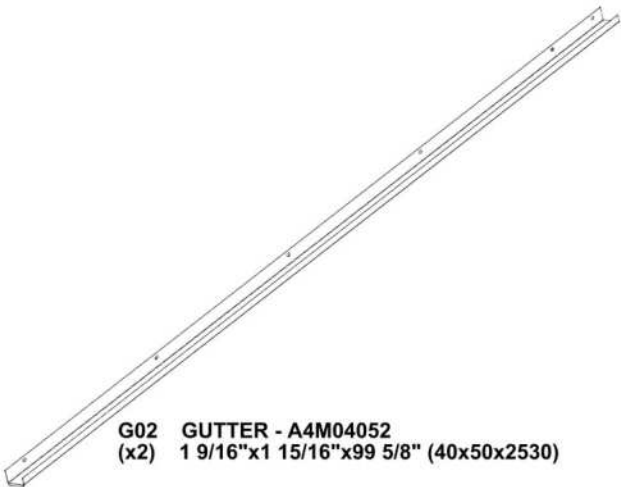


F07 COVER - A4M02228
(x1) 1 9/16"x2 7/8"x3 1/4" (39.5x73x82)

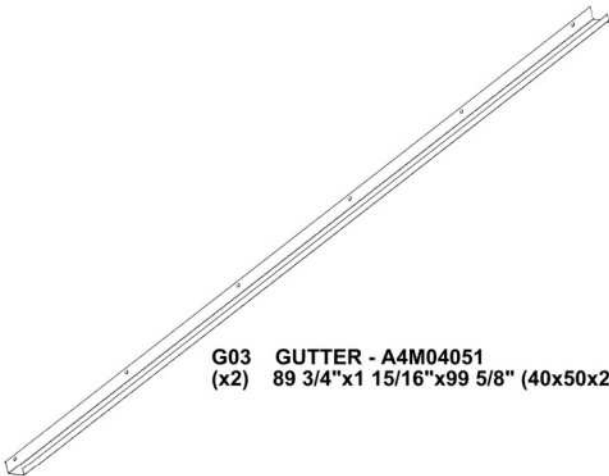
OWNERS MANUAL - PARTS IDENTIFICATION



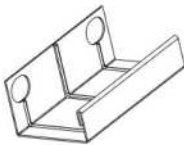
G01 GUTTER - A4M01993
(x2) 1 9/16"x1 15/16"x108 7/8" (40x50x2765)



G02 GUTTER - A4M04052
(x2) 1 9/16"x1 15/16"x99 5/8" (40x50x2530)



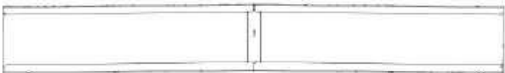
G03 GUTTER - A4M04051
(x2) 89 3/4"x1 15/16"x99 5/8" (40x50x2530)



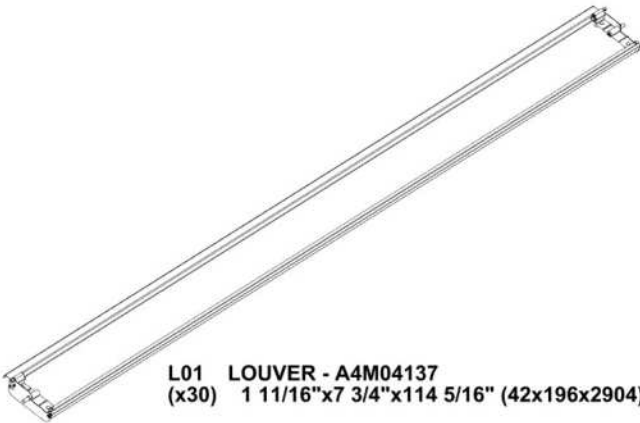
G05 GUTTER SPLICE - A4M02004
(x2) 1 7/16"x2 1/16"x3 15/16" (36x52.5x100)



H01 HANDLE
(x1) A4M04022



J2 SPLICE BRACKET ASSY - A4M06579
(x2) 39 1/2"x5 1/8"x1 1/4" (32.00x131x1003)



L01 LOUVER - A4M04137
(x30) 1 11/16"x7 3/4"x114 5/16" (42x196x2904)



L02 LOUVER DRIVE SIDE PLATE - A4M04139
(x1) 1/16"x2 3/16"x6 9/16" (2x55x167)

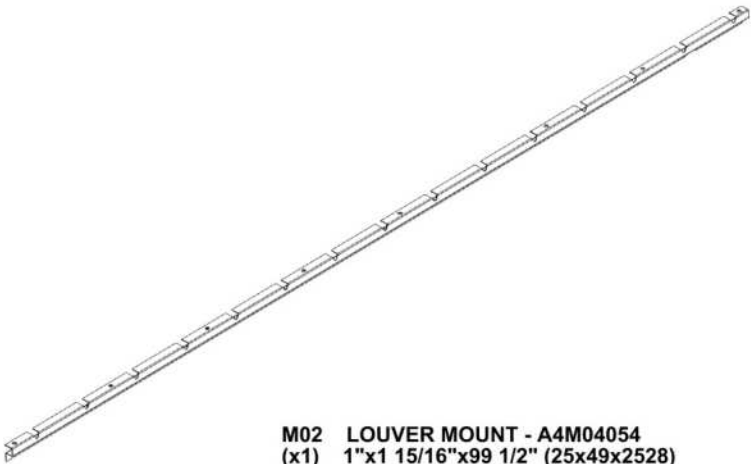


L03 LOUVER SIDE PLATE - A4M04138
(x59) 1/16"x2 3/16"x6 9/16" (2x55x167)

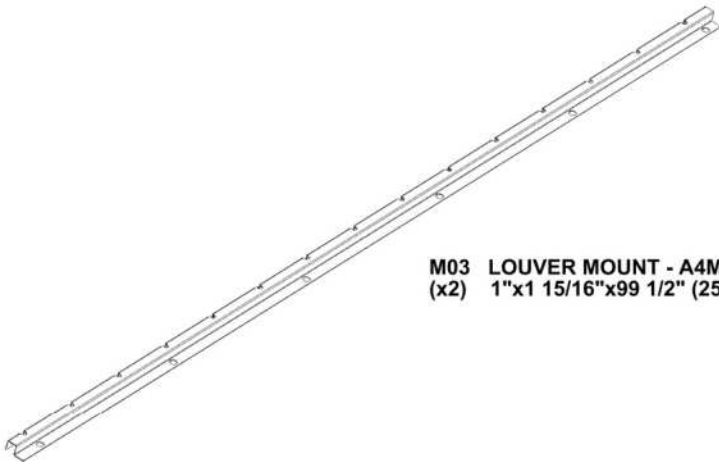
OWNERS MANUAL - PARTS IDENTIFICATION



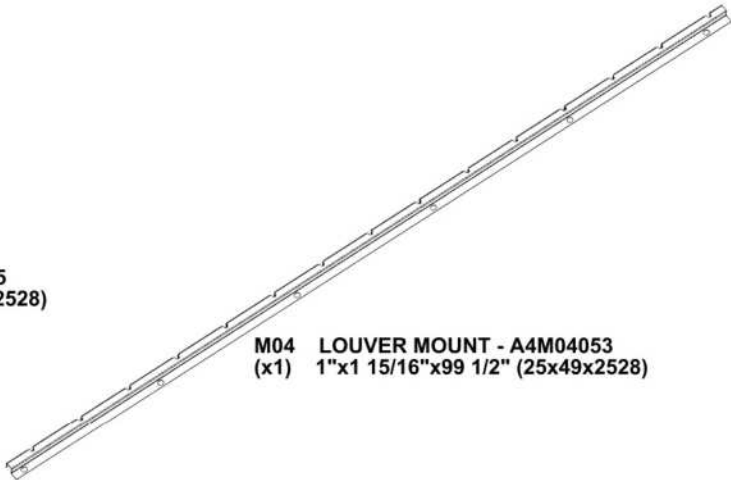
L04 LOUVER MECHANISM
(x1) A4M02132



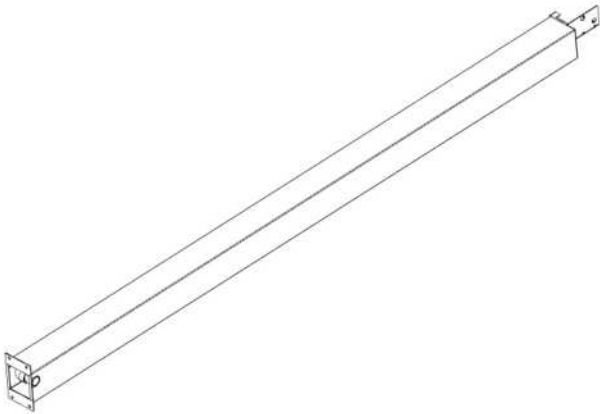
M02 LOUVER MOUNT - A4M04054
(x1) 1"x1 15/16"x99 1/2" (25x49x2528)



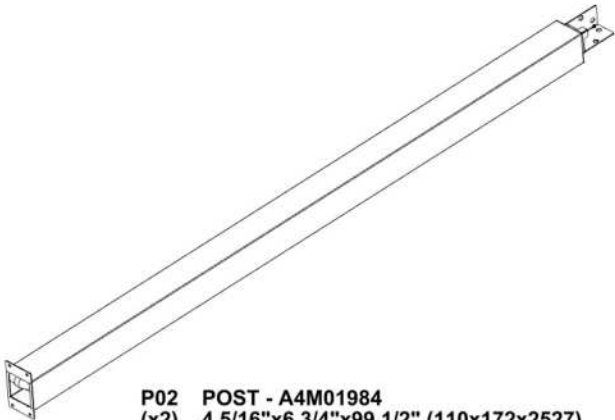
M03 LOUVER MOUNT - A4M04055
(x2) 1"x1 15/16"x99 1/2" (25x49x2528)



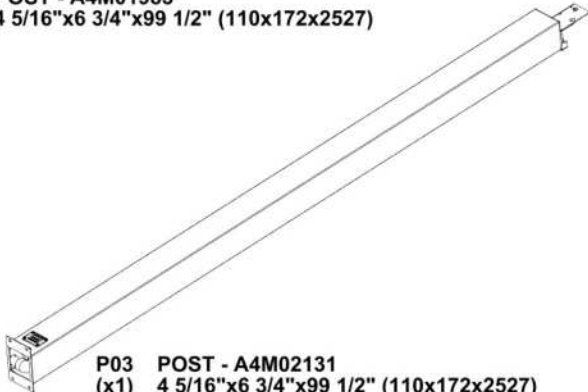
M04 LOUVER MOUNT - A4M04053
(x1) 1"x1 15/16"x99 1/2" (25x49x2528)



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)



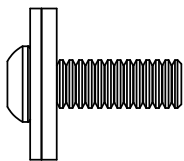
P03 POST - A4M02131
(x1) 4 5/16"x6 3/4"x99 1/2" (110x172x2527)



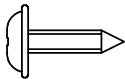
A6P00796 SILICONE
(x1)

OWNER'S MANUAL - PARTS IDENTIFICATION

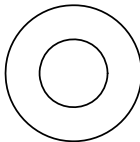
Hardware Components



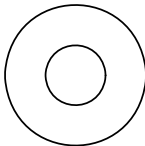
H101202 TORX PAN HEAD
(x140) 1/4-20x3/4 ASSY



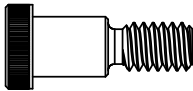
H100408 SCREW PWH BLK
(x120) 8x1/2



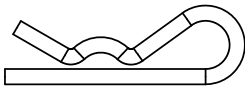
H100474 WASHER FLAT BLK
(x5) 9x18



H100630 WASHER FLAT BLK
(x16) 8x19



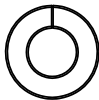
H101189 LOW PROFILE SHOULDER BOLT BLK
(x2) 1/4-20x3/8



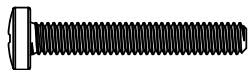
H101161 COTTER PIN
(x60)



H100653 NUT LOCK BLK
(x2) 1/4



H100774 WASHER SPLIT BLK
(x1) 1/4



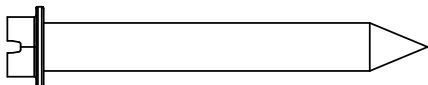
H101187 BOLT PPH BLK
(x1) 8-32x1 1/8



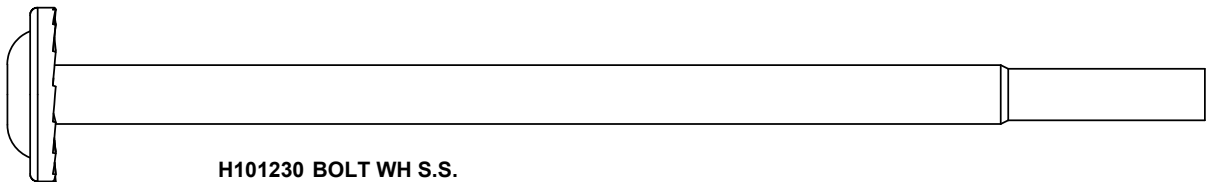
H101101 TORX PAN HEAD BLK
(x1) 1/4-20x3/4"



H101126 TORX PAN HEAD BLK
(x4) 1/4-20x2 1/8"



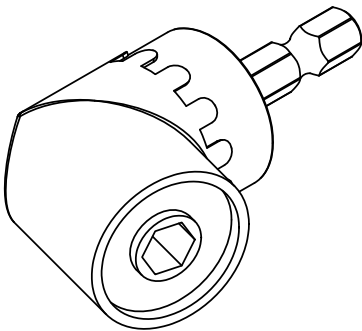
H100120 CONCRETE ANCHOR
(x16) 1/4x2



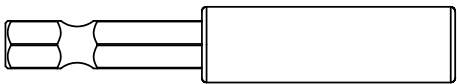
H101230 BOLT WH S.S.
(x16) 5/16x6



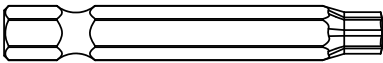
H100114 TORX WRENCH
(x1) T-30



H101114 RIGHT ANGLE DRILL ADAPTER
(x1)



H101100 MAGNETIC DRIVER
(x1)



H100147 TORX BIT
(x1) T-30

PRE-ASSEMBLY STEP 1 - SORTING PARTS

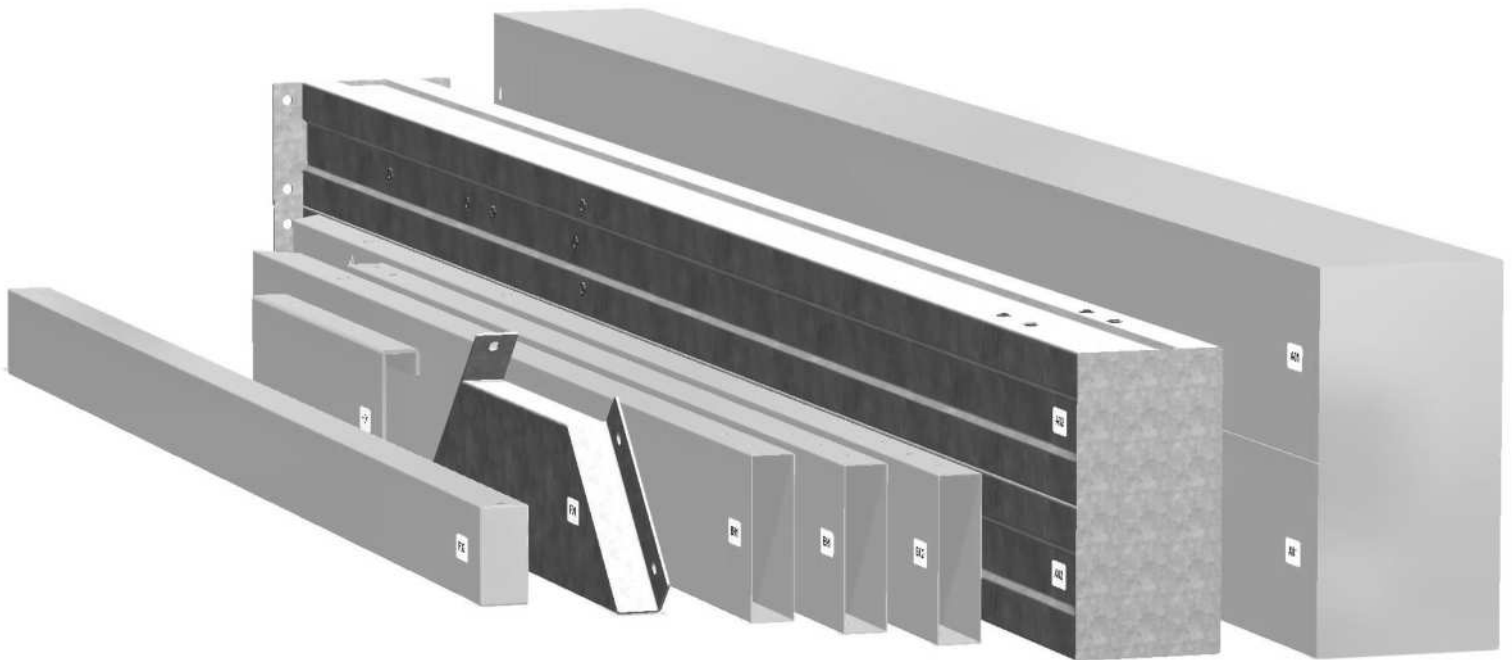
It is critical for ease of assembly that you take the time to sort and organize the parts and hardware.

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.

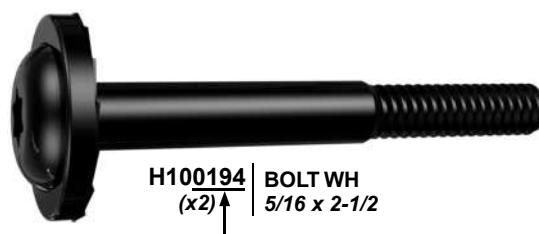
NOTE: CARTONS ARE NOT ORGANIZED BY PART NUMBER.

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



Phillips Screw Driver



Open End Wrench
7/16"



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



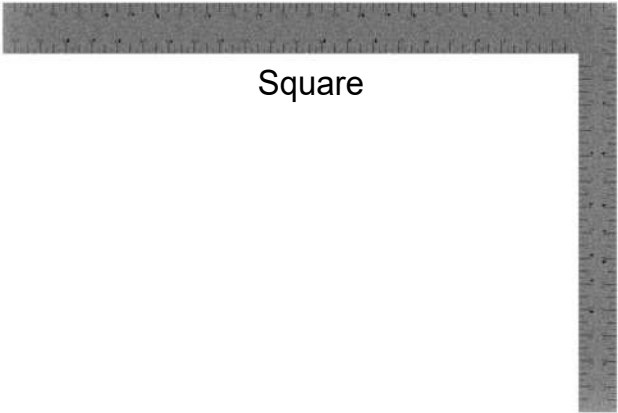
Claw Hammer



Rubber Mallet -
Optional



Tape Measure



Square

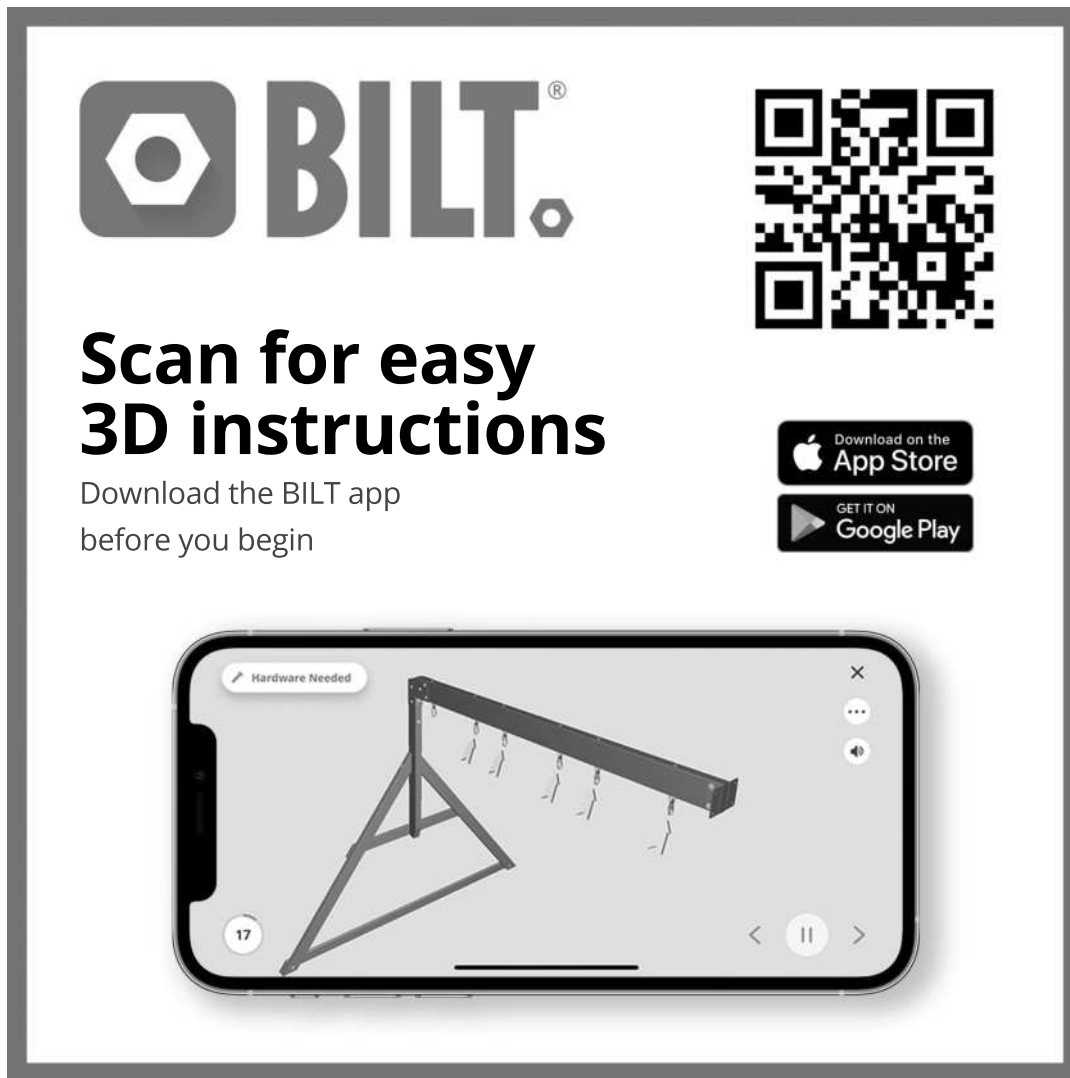


Level 24"

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)

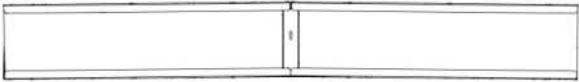


STEP 1 - BEAM ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
6	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY

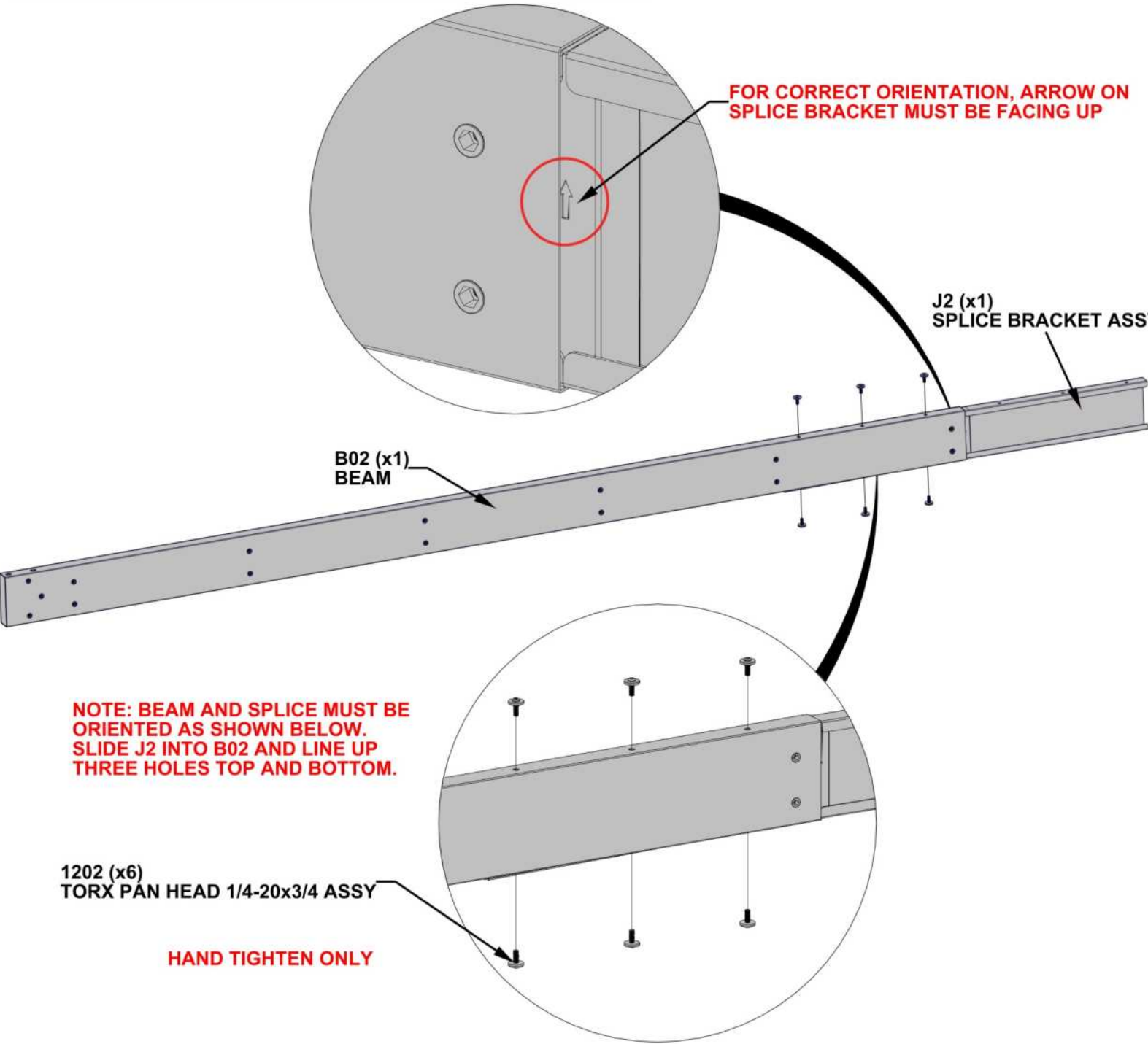


B02 BEAM - A4M04049
(x1) 1 7/16"x5 1/4"x103 7/8" (36x134x2639)



J2 SPLICE BRACKET ASSY - A4M06579
(x1) 39 1/2"x5 1/8"x1 1/4" (32.00x131x1003)

- FOR EASE OF ASSEMBLY, WE RECOMMEND USING SAW HORSES FOR STEPS 1 - 7.
- BEAM AND SPLICE MUST BE ORIENTED AS SHOWN BELOW.
- SLIDE J2 INTO B02 AND LINE UP THREE HOLES TOP AND BOTTOM.



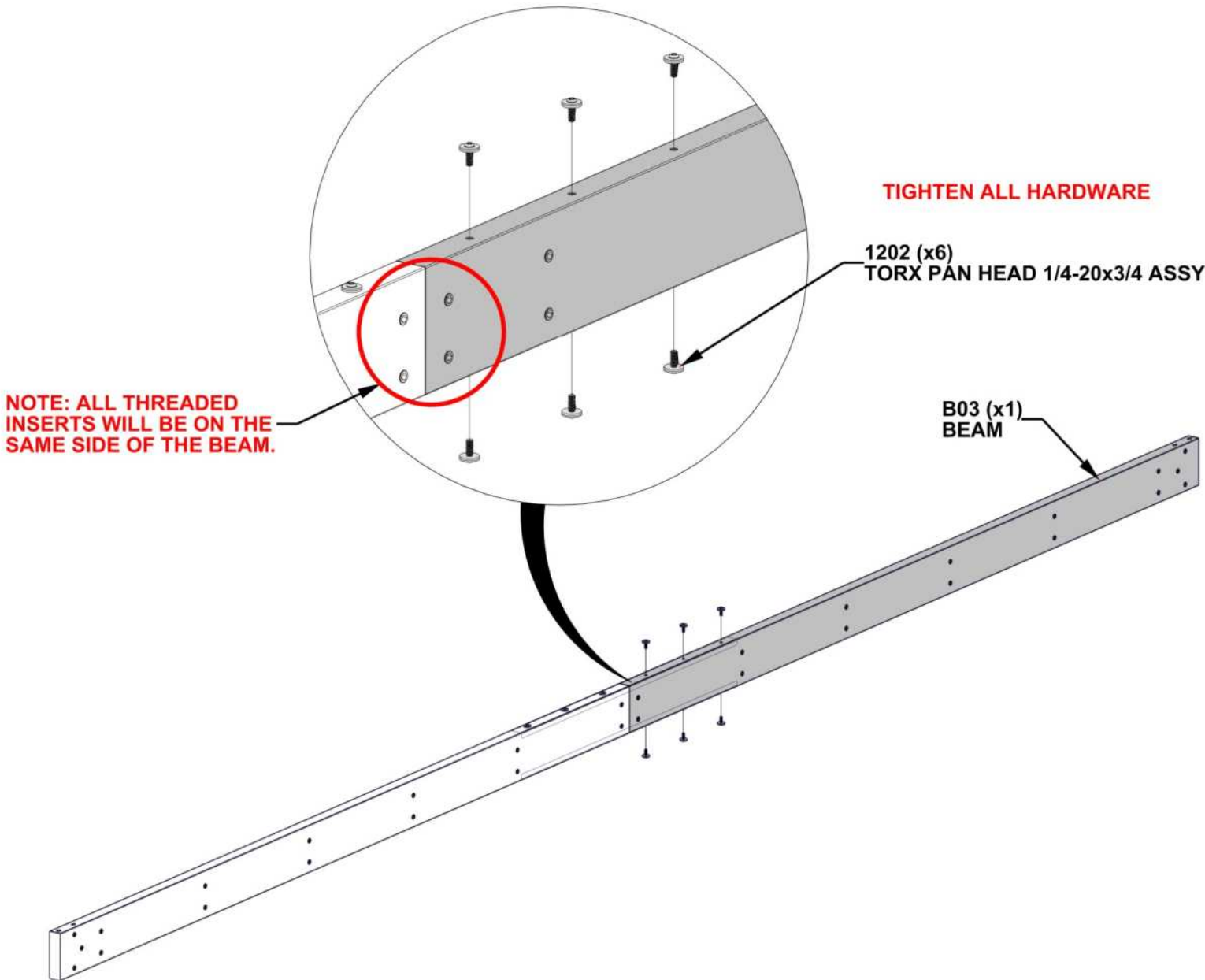
STEP 2 - BEAM ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
6	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY



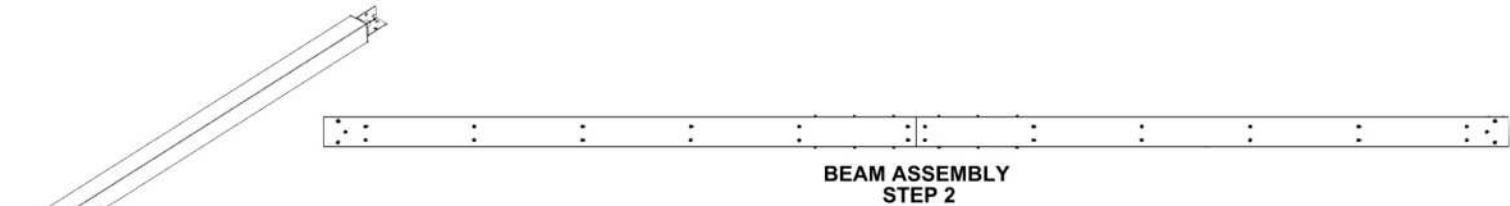
B03 BEAM - A4M04050
(x1) 1 7/16"x5 1/4"x103 7/8" (36x134x2639)

- SLIDE B03 INTO SPLICE BRACKET. GENTLY TAP ENDS OF ASSEMBLY WITH RUBBER Mallet UNTIL GAP CLOSES, THEN TIGHTEN ALL BOLTS ON BEAM.



STEP 3A - FRAME ASSEMBLY

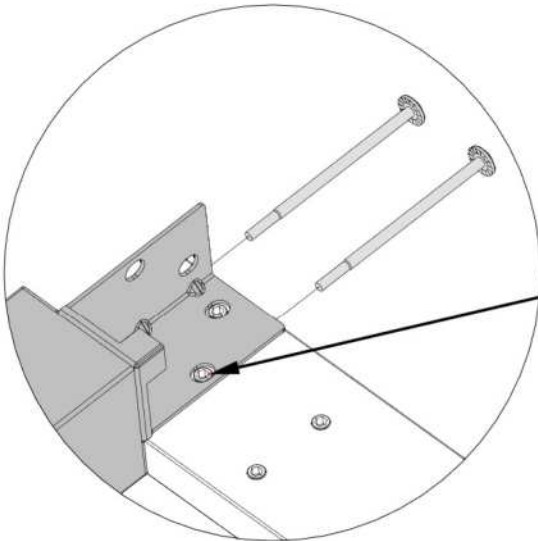
QTY	PART NUMBER	DESCRIPTION
2	H101230	BOLT WH 5/16x6 S.S.



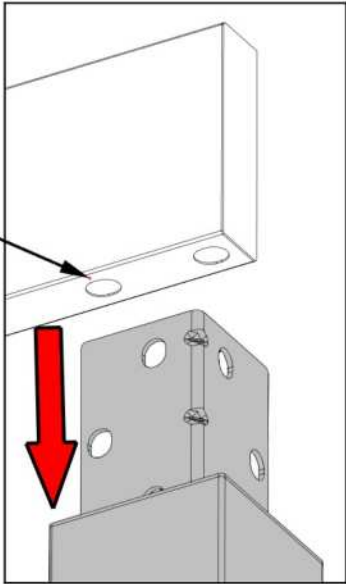
P02 POST - A4M01984
(x1) 4 5/16"x6 3/4"x99 1/2" (110x172x2527)

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

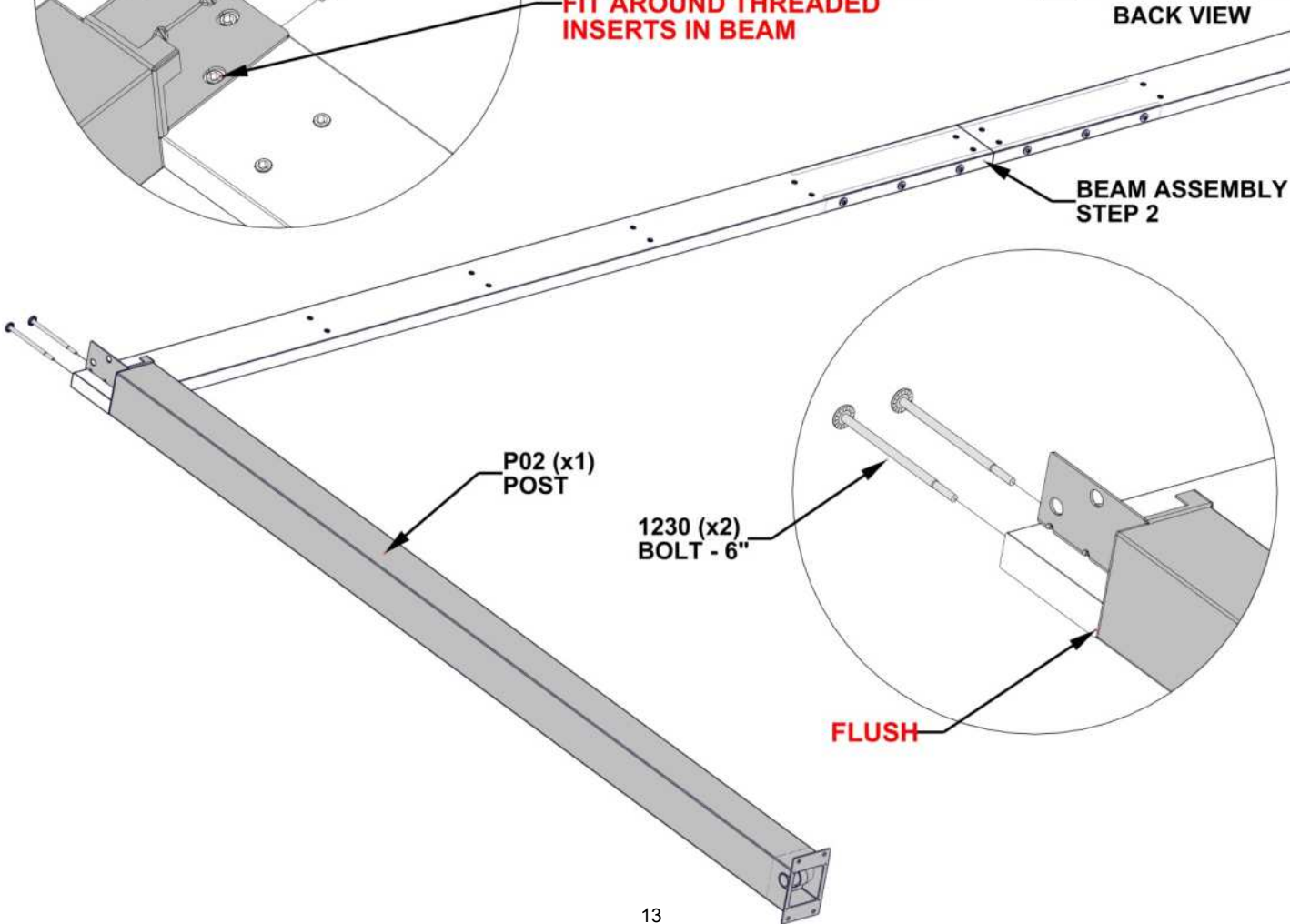
NOTE: LARGE SLOTS INDICATE BOTTOM SURFACE OF BEAM. SLOTS WILL FIT AROUND THREADED INSERTS IN POST PLATE.



NOTE: POST BRACKET WILL FIT AROUND THREADED INSERTS IN BEAM



BACK VIEW



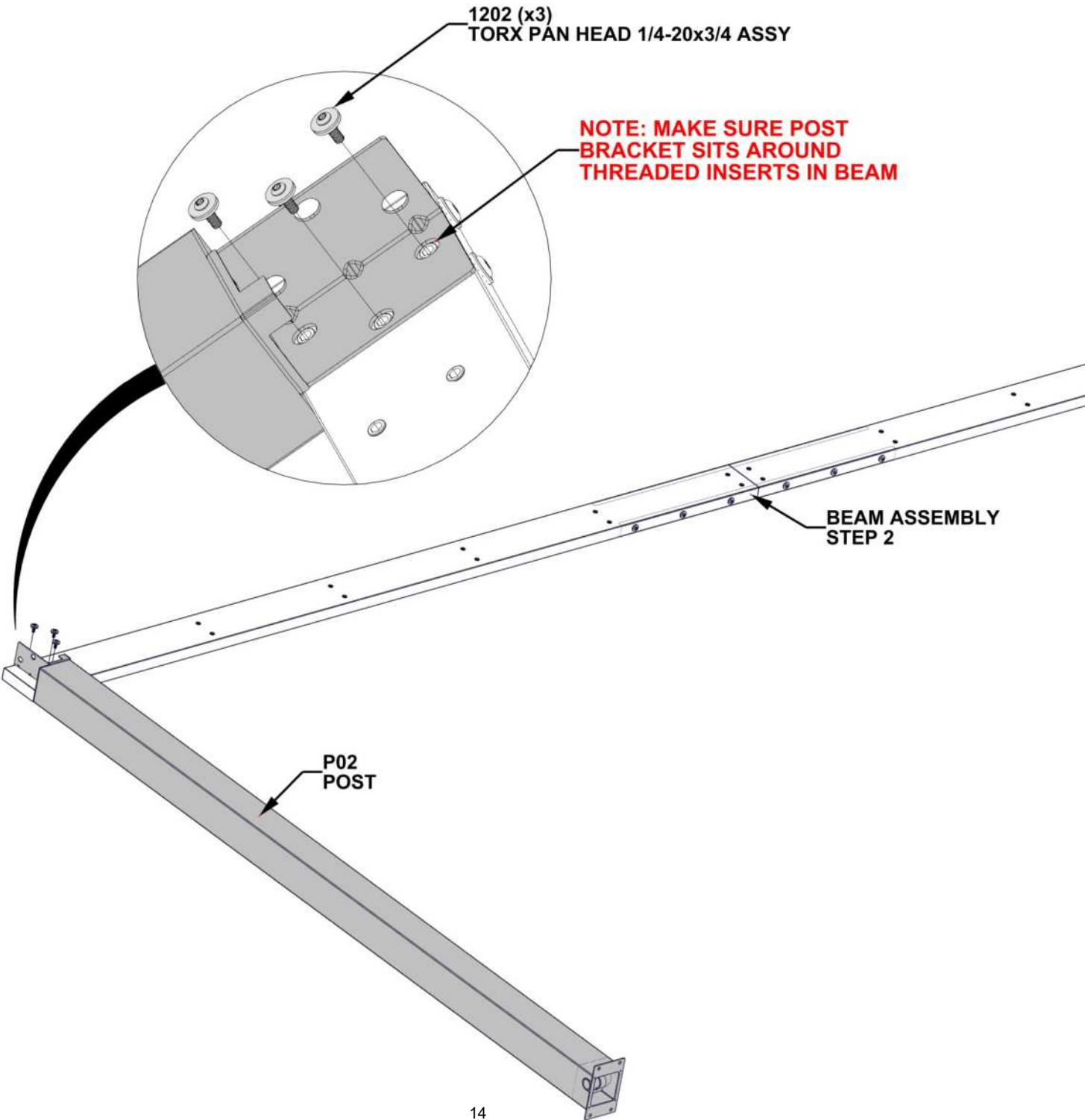
P02 (x1)
POST

1230 (x2)
BOLT - 6"

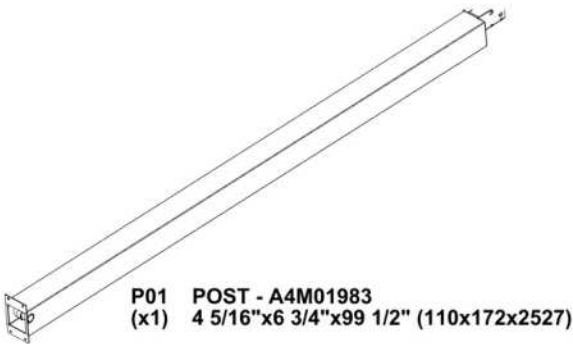
FLUSH

STEP 3B - FRAME ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
3	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY



STEP 4A - FRAME ASSEMBLY

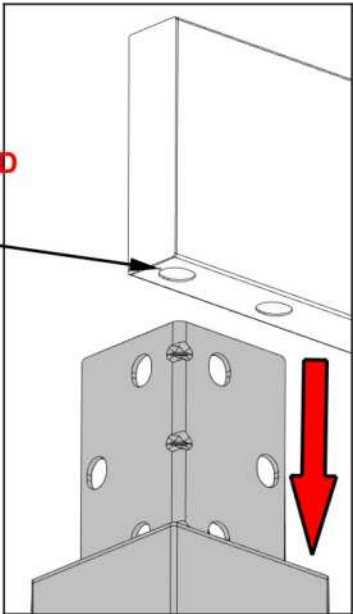


QTY	PART NUMBER	DESCRIPTION
2	H101230	BOLT WH 5/16x6 S.S.

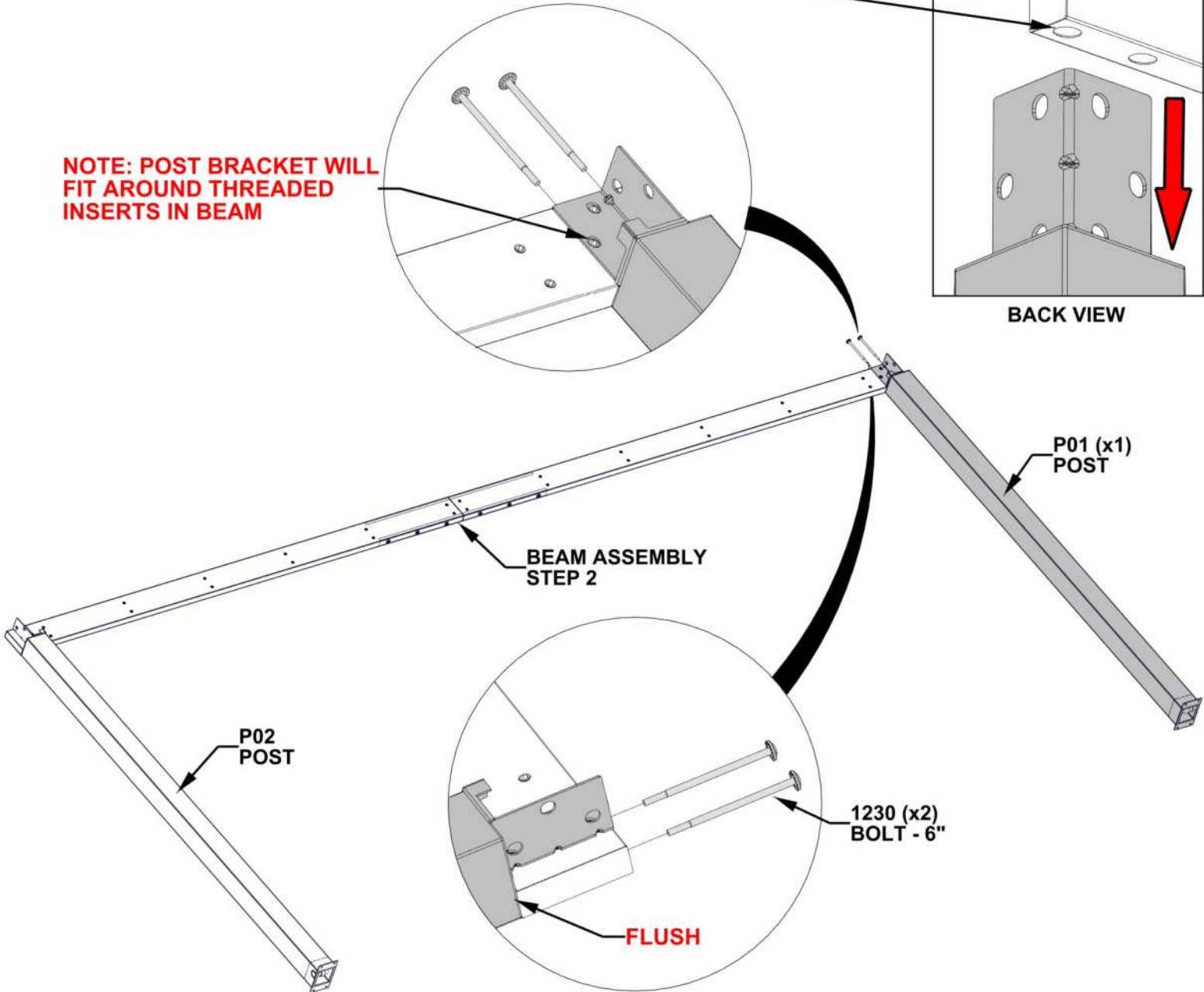
- ATTACH BEAM ASSEMBLY TO POST BY ALIGNING SLOTS IN BEAM WITH THREADED INSERTS ON POST PLATE. FLUSH ALL SIDES OF BEAM AND POST BEFORE TIGHTENING HARDWARE.

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

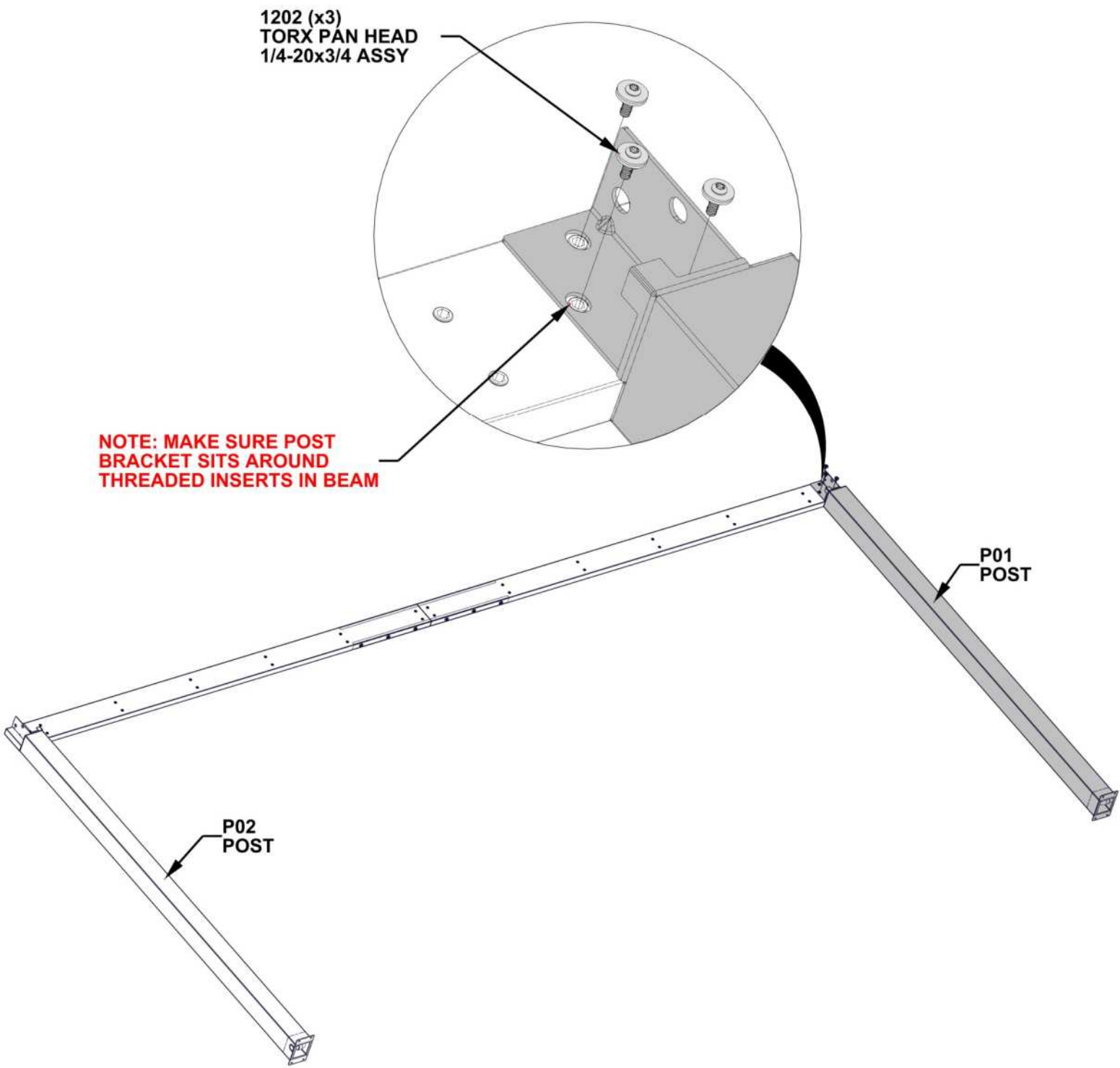


BACK VIEW

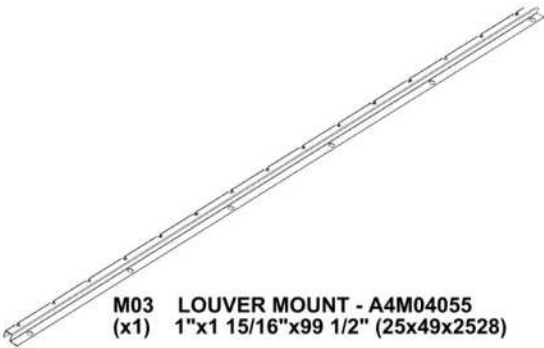


STEP 4B - FRAME ASSEMBLY

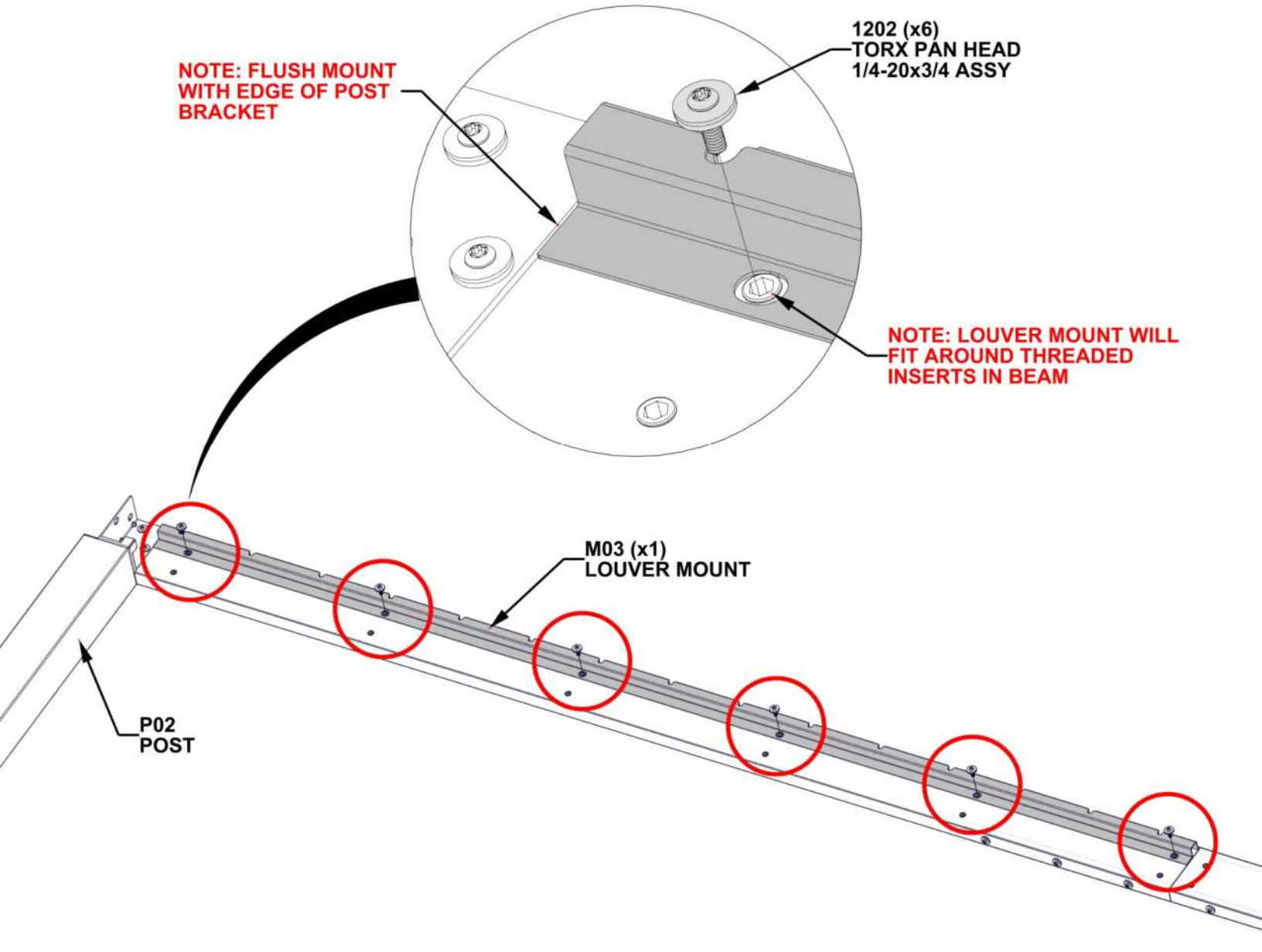
QTY	PART NUMBER	DESCRIPTION
3	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY



STEP 5- LOUVER MOUNT ATTACHMENT

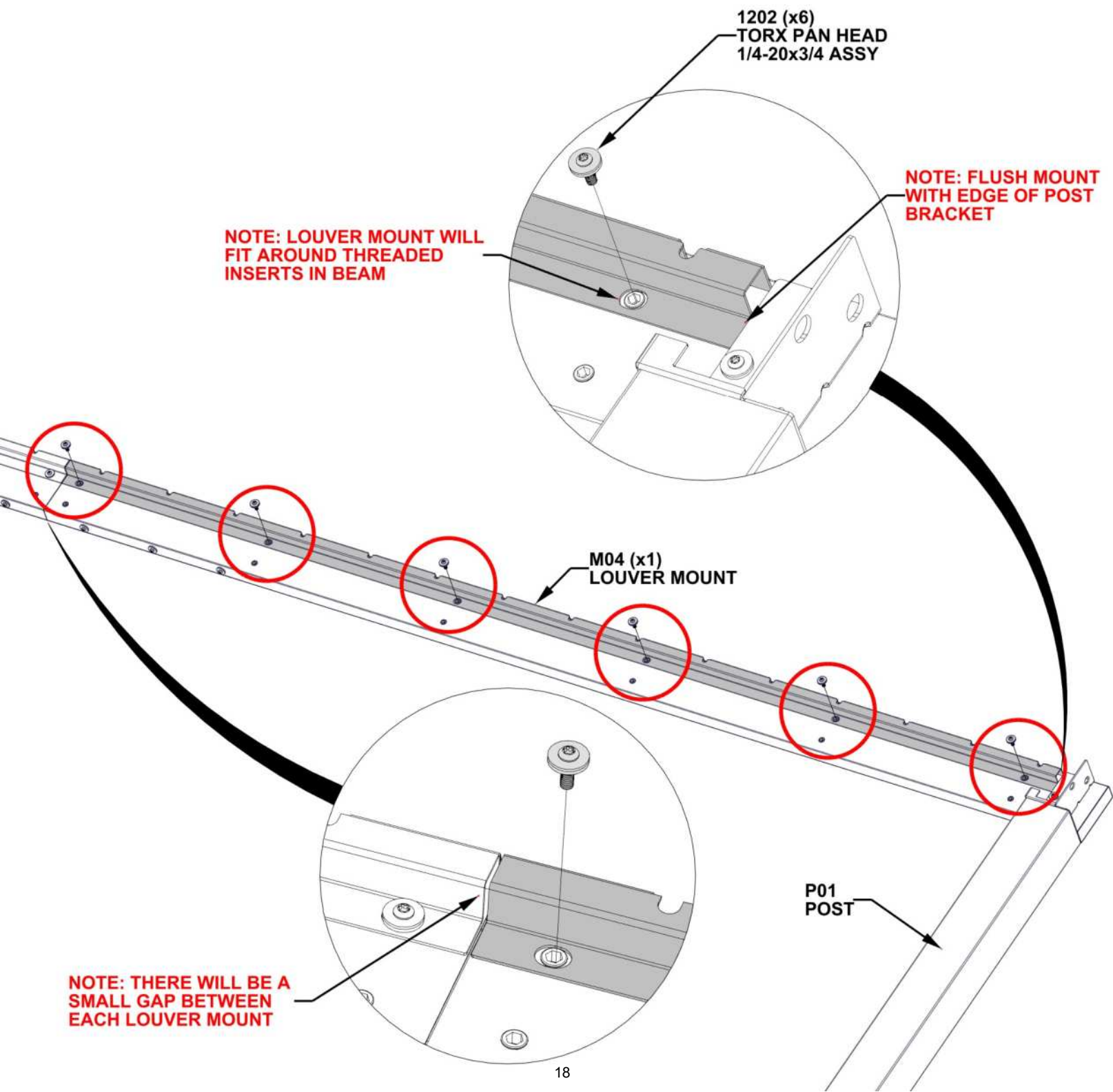
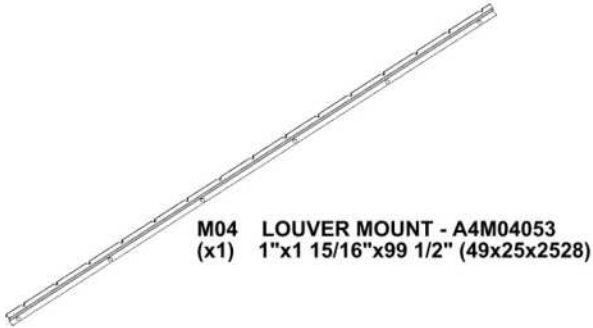


QTY	PART NUMBER	DESCRIPTION
6	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY

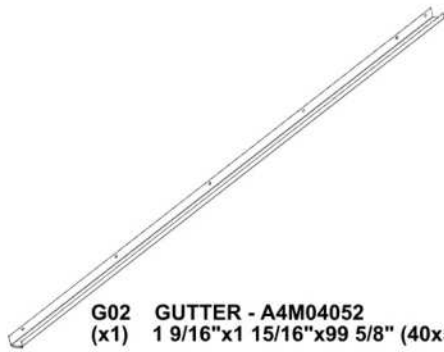


STEP 6- LOUVER MOUNT ATTACHMENT

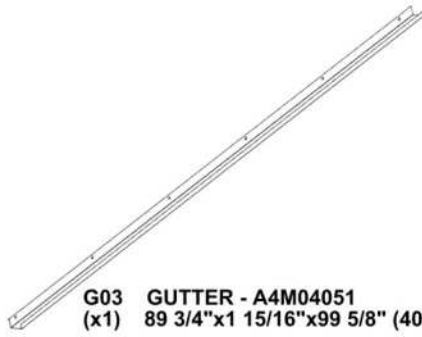
QTY	PART NUMBER	DESCRIPTION
6	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY



STEP 7A- GUTTER ASSEMBLY



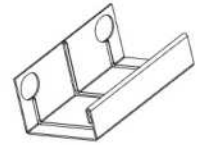
G02 GUTTER - A4M04052
(x1) 1 9/16"x1 15/16"x99 5/8" (40x50x2530)



G03 GUTTER - A4M04051
(x1) 89 3/4"x1 15/16"x99 5/8" (40x50x2530)

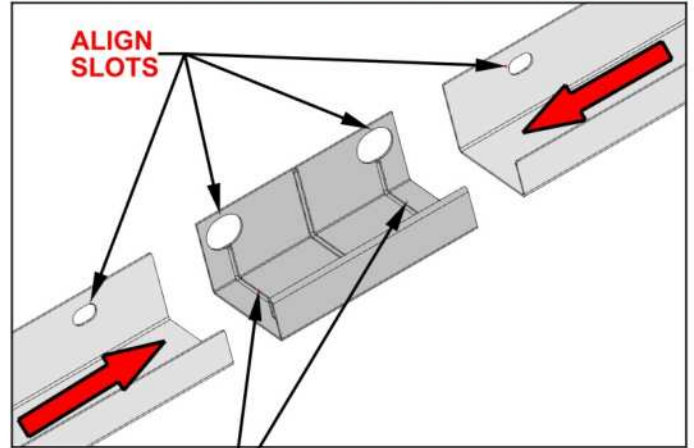


A6P00796 SILILCONE
(x1)

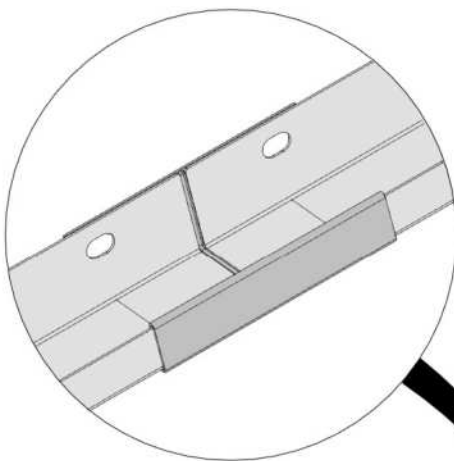


G05 GUTTER SPLICE - A4M02004
(x1) 1 7/16"x2 1/16"x3 15/16" (36x52.5x100)

- MEASURE APPROXIMATELY 1/2" [13mm] FROM EACH END OF GUTTER SPLICE AND APPLY A FINE BEAD OF SILICONE.
- SLIDE BOTH G02 & G03 GUTTERS INTO SPLICE UNTIL ENDS ARE ALMOST TOUCHING. WIPE EXCESS SILICONE USING RAG OR PAPER TOWEL.
- GLOVES ARE RECOMMENDED WHEN APPLYING SILICONE.
- MAKE SURE SURFACE OF GUTTER SPLICE IS CLEAN, DRY AND FREE OF ANY DIRT/DEBRIS.



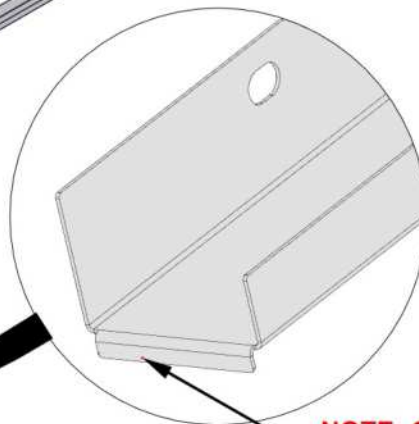
NOTE: APPLY A SMALL BEAD OF SILICONE APPROXIMATELY 1/2" FROM EDGE OF SPLICE



G03 (x1)
GUTTER

G05 (x1)
GUTTER SPLICE

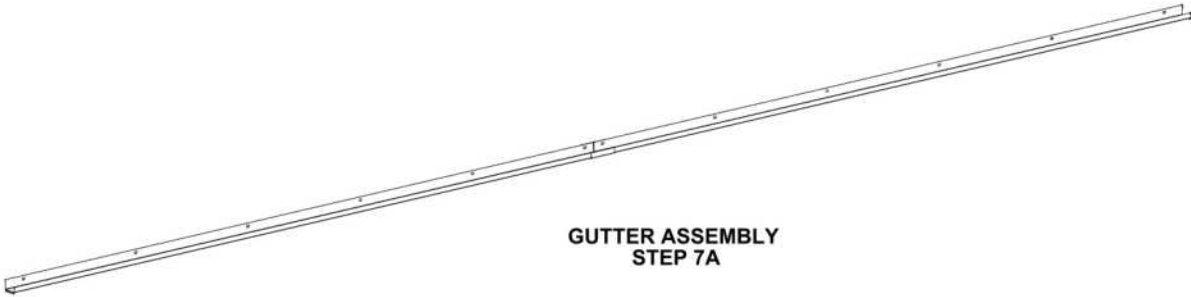
G02 (x1)
GUTTER



NOTE: GUTTER ENDS WILL HAVE A BOTTOM FLANGE

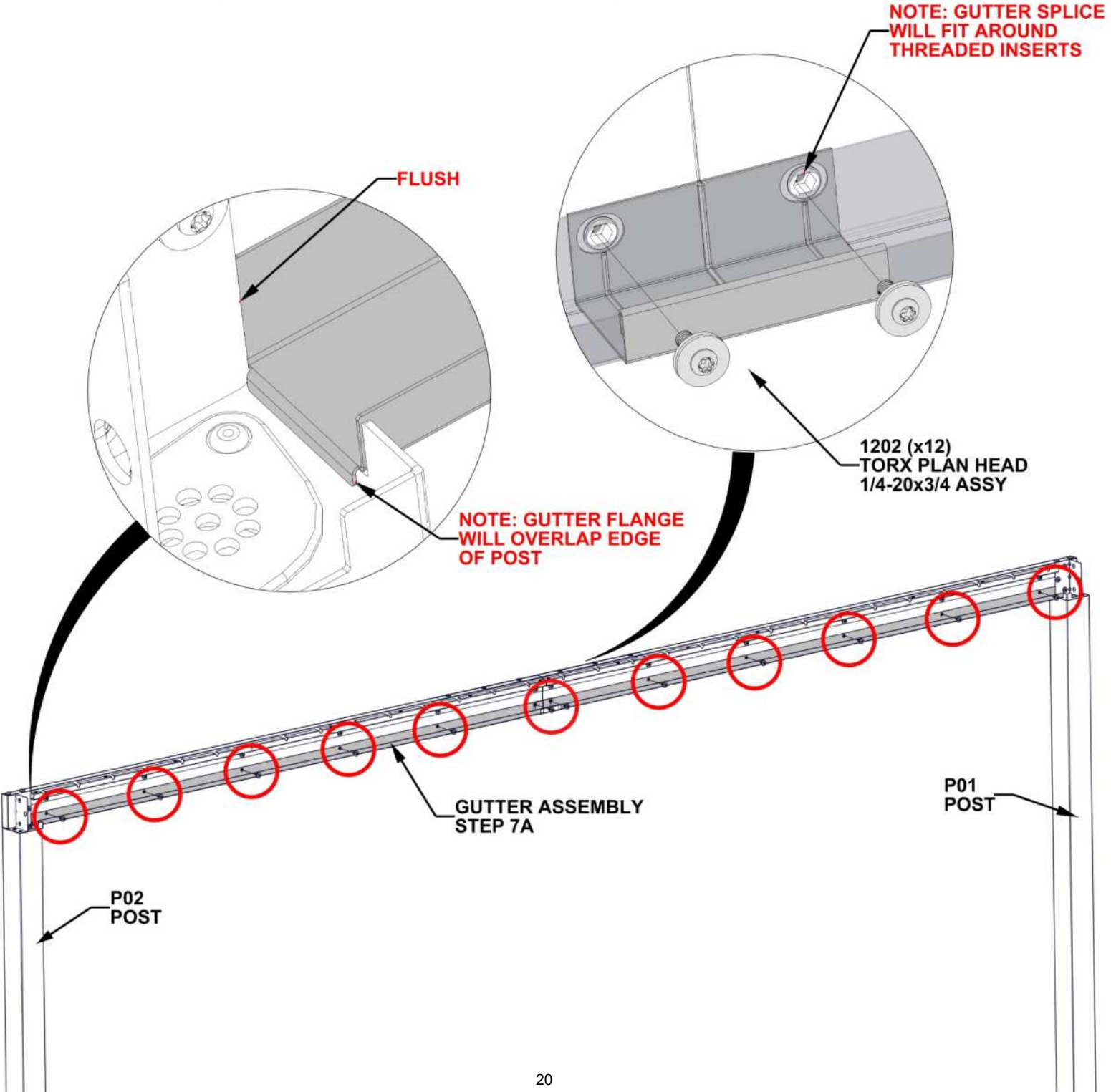
STEP 7B - GUTTER ATTACHMENT

QTY	PART NUMBER	DESCRIPTION
12	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY



GUTTER ASSEMBLY
STEP 7A

- WITH AT LEAST TWO PEOPLE, ATTACH GUTTER ASSEMBLY FROM PREVIOUS STEP TO BEAM.
- MAKE SURE ENDS OF GUTTER SIT ON TOP SURFACE OF EACH POST BRACKET.



NOTE: GUTTER SPLICE
WILL FIT AROUND
THREADED INSERTS

FLUSH

NOTE: GUTTER FLANGE
WILL OVERLAP EDGE
OF POST

1202 (x12)
TORX PLAN HEAD
1/4-20x3/4 ASSY

GUTTER ASSEMBLY
STEP 7A

P01
POST

P02
POST

STEP 7C - SEALANT

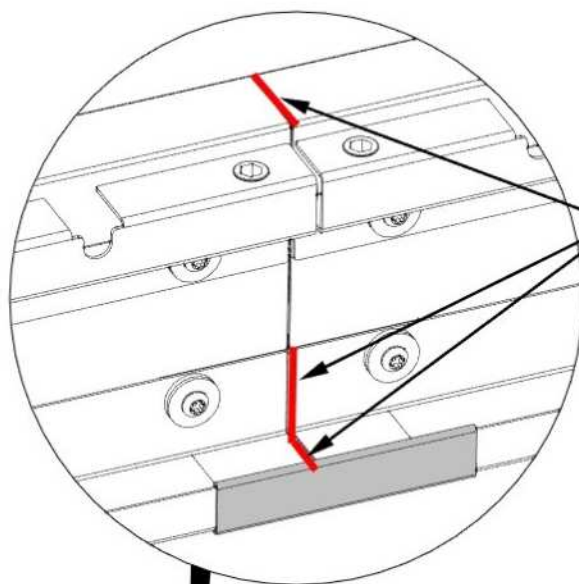


A6P00796 SILICONE
(x1)

**APPLY A FINE BEAD OF SILICONE ON TOP EDGE OF BEAM
AND ALONG THE INSIDE SURFACE OF GUTTER WHERE TWO
GUTTER PIECES MEET.**

SMOOTH SILICONE ALONG SEAM, WIPING EXCESS USING A RAG OR PAPER TOWEL.

**TIP: GLOVES ARE RECOMMENDED WHEN APPLYING SILICONE.
MAKE SURE SURFACE OF GUTTER IS CLEAN, DRY, AND FREE OF ANY DIRT/DEBRIS.**

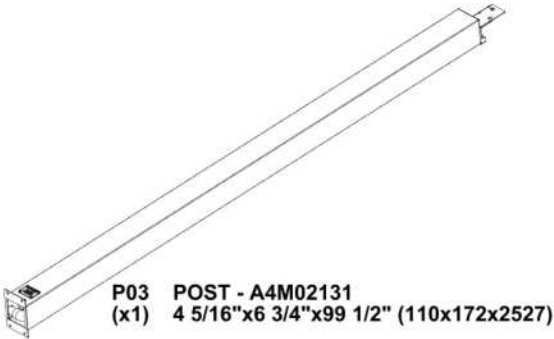


**NOTE: APPLY A FINE BEAD
OF SILICONE ALONG TOP
SURFACE OF BEAM AND
INSIDE SEAM OF GUTTER**



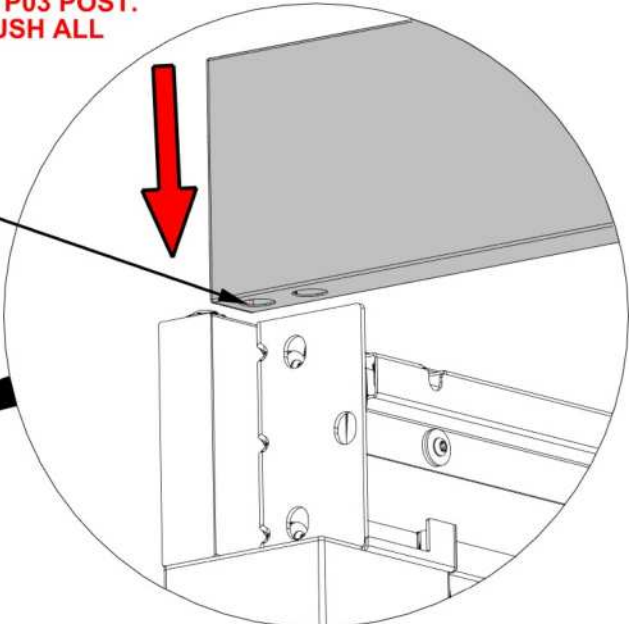
STEP 8A - FRAME ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
4	H101230	BOLT WH 5/16x6 S.S.

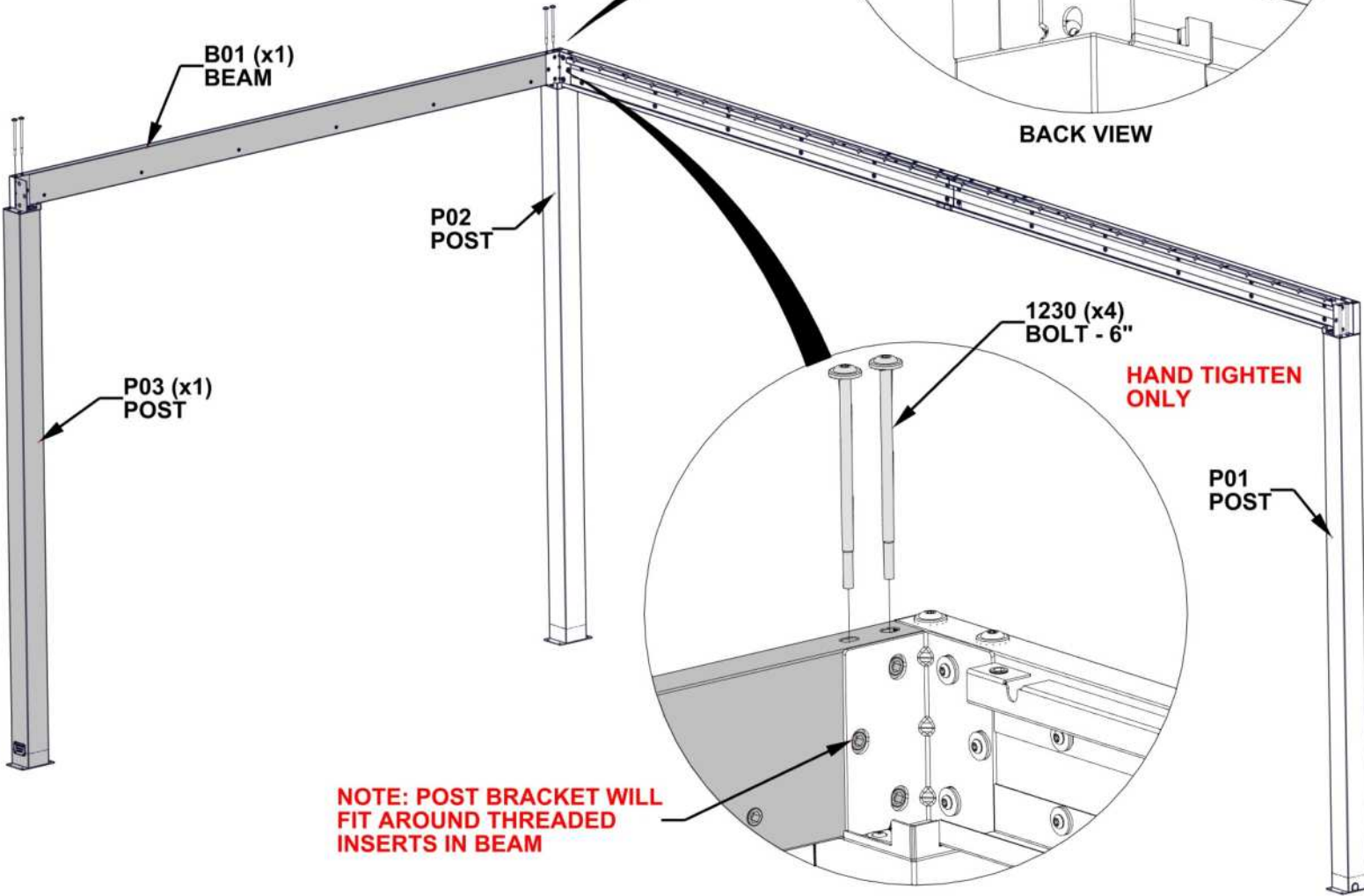


- WITH AT LEAST TWO EXTRA PEOPLE, ATTACH B01 BEAM TO P02 AND P03 POST.
- ALIGN SLOTS IN BEAM WITH THREADED INSERTS ON TOP PLATE. FLUSH ALL SIDES OF BEAM AND POST.

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

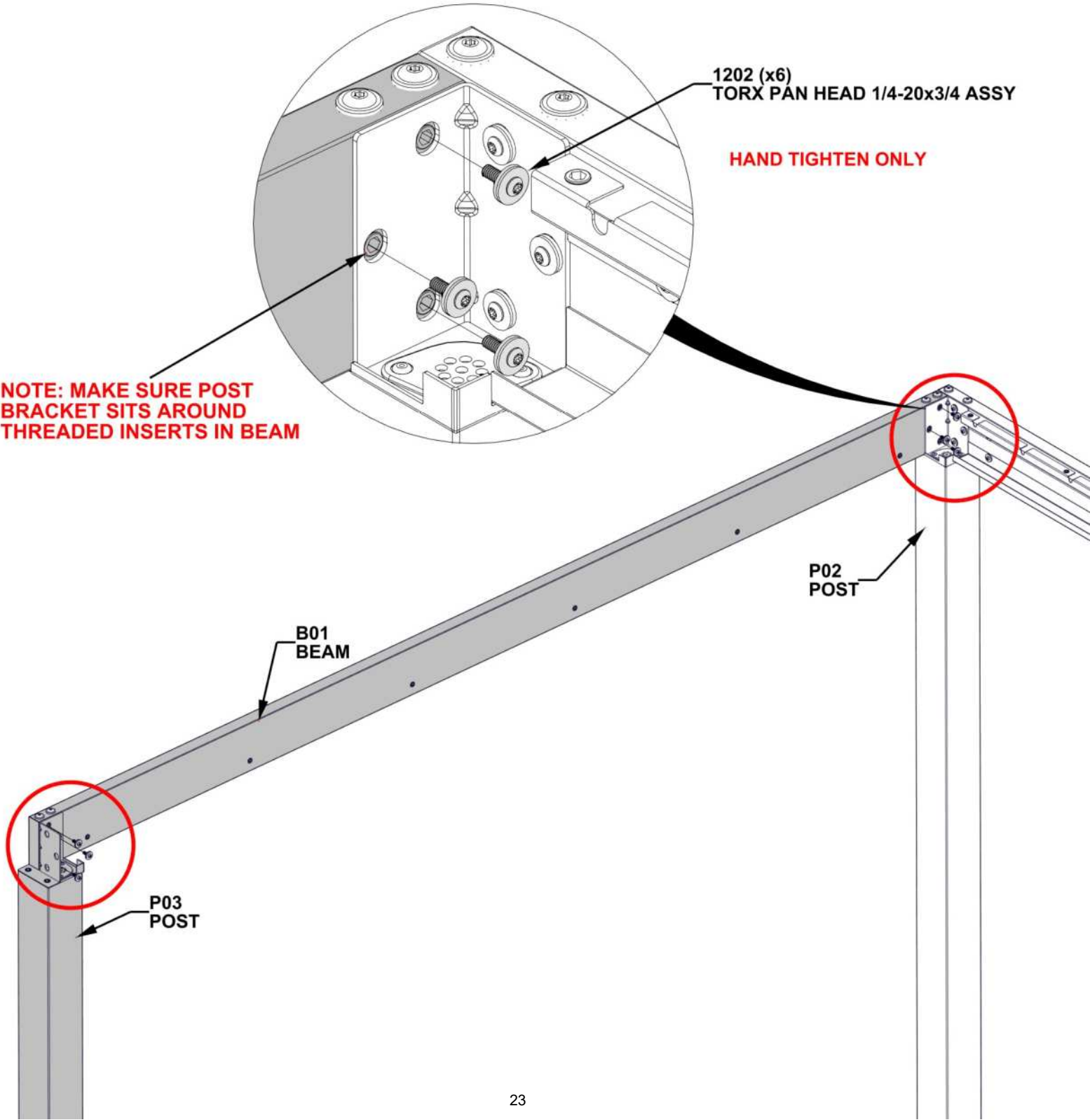


BACK VIEW



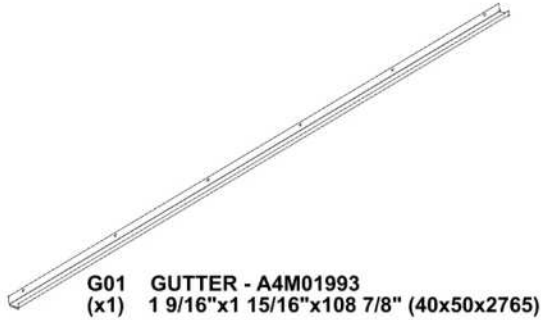
STEP 8B - FRAME ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
6	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY

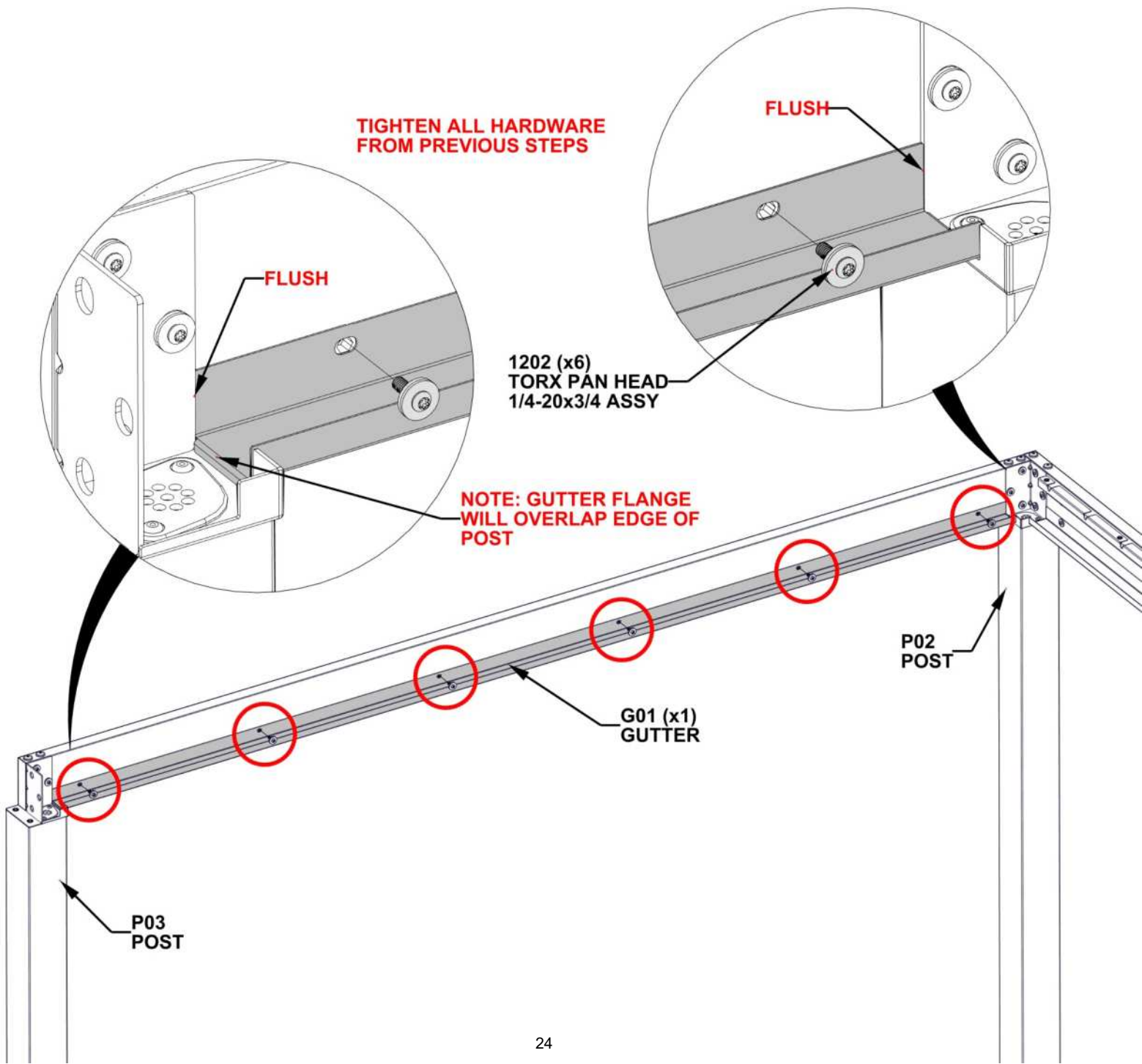


STEP 9 - GUTTER ATTACHMENT

QTY	PART NUMBER	DESCRIPTION
6	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY

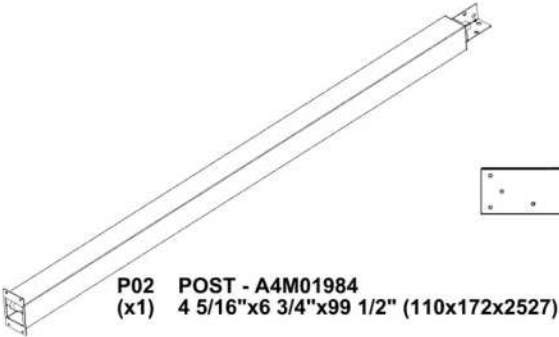


- WITH AN ADDITIONAL PERSON, ATTACH GUTTER TO BEAM. MAKE SURE ENDS OF GUTTER SIT ON TOP SURFACE OF EACH POST BRACKET.



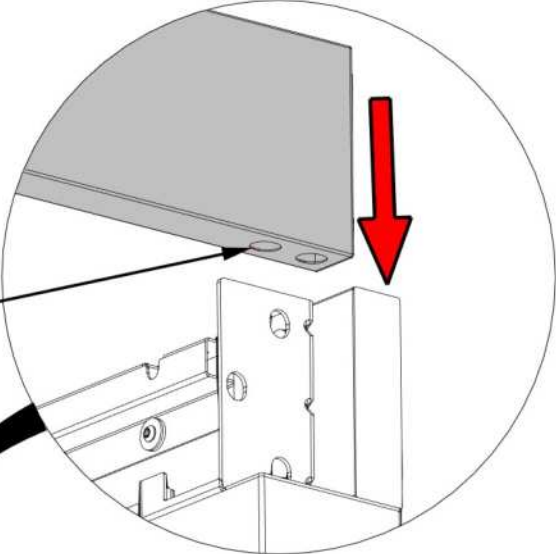
STEP 10A - FRAME ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
4	H101230	BOLT WH 5/16x6 S.S.

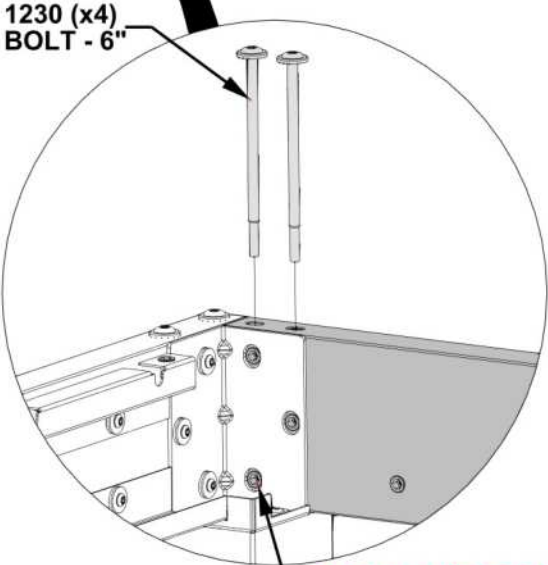
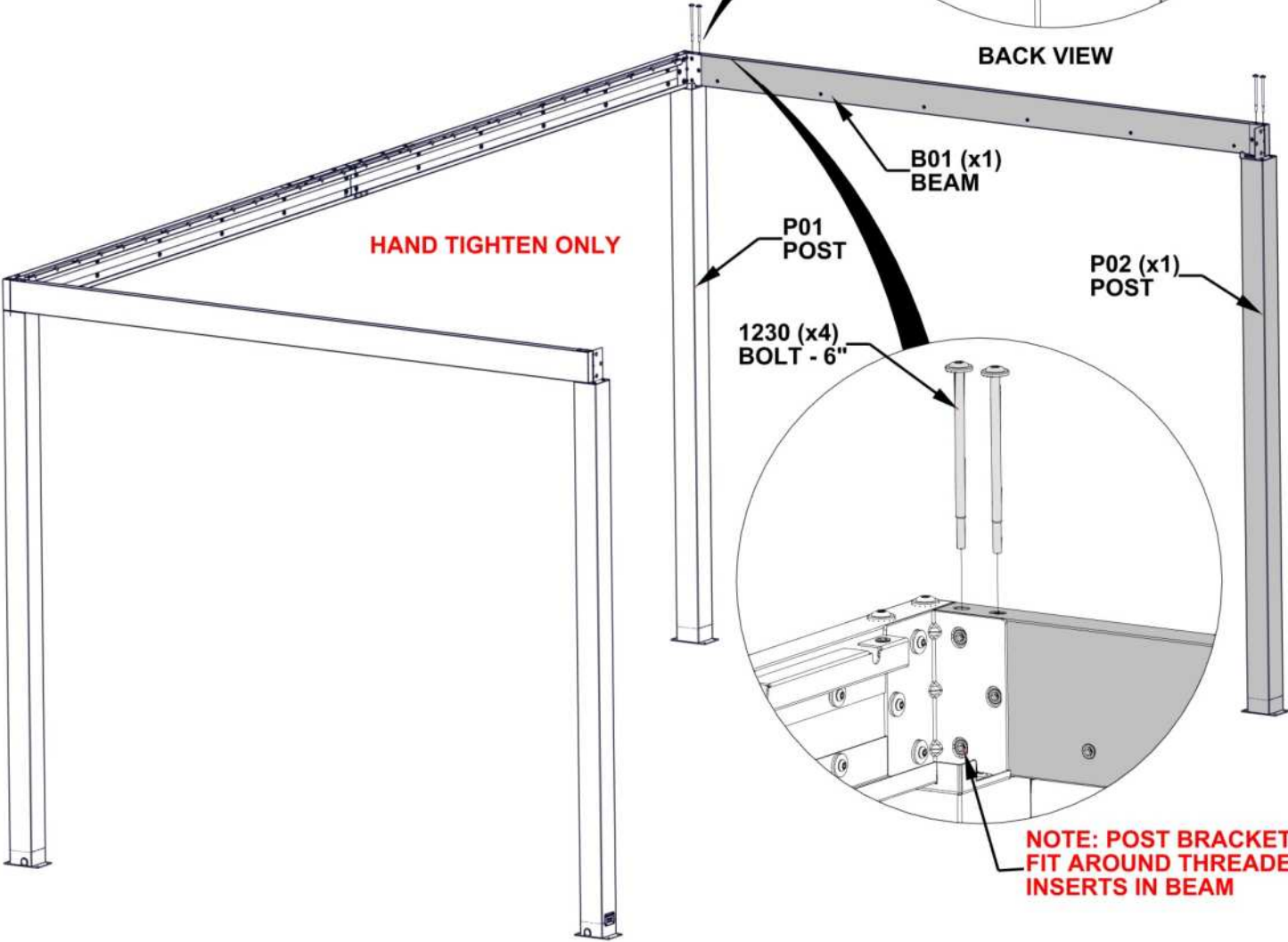


- WITH AT LEAST TWO EXTRA PEOPLE, ATTACH B01 BEAM TO P02.
- ALIGN SLOTS IN BEAM WITH THREADED INSERTS ON TOP PLATE.
- FLUSH ALL SIDES OF BEAM AND POST.

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



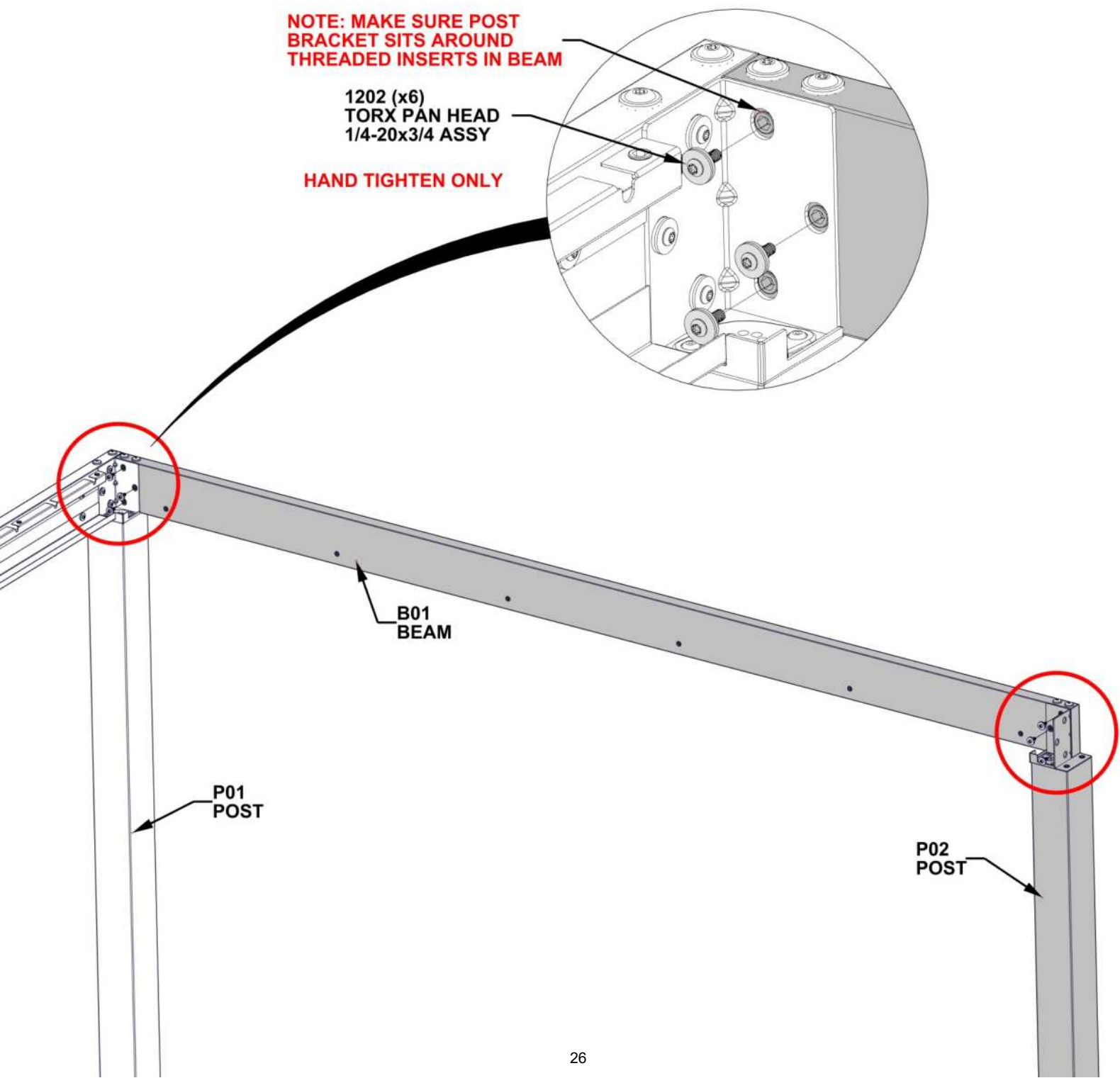
BACK VIEW



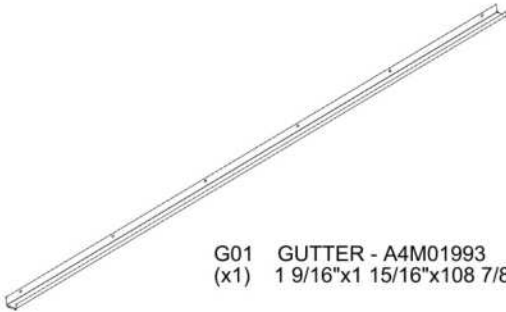
NOTE: POST BRACKET WILL
FIT AROUND THREADED
INSERTS IN BEAM

STEP 10B - FRAME ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
6	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY



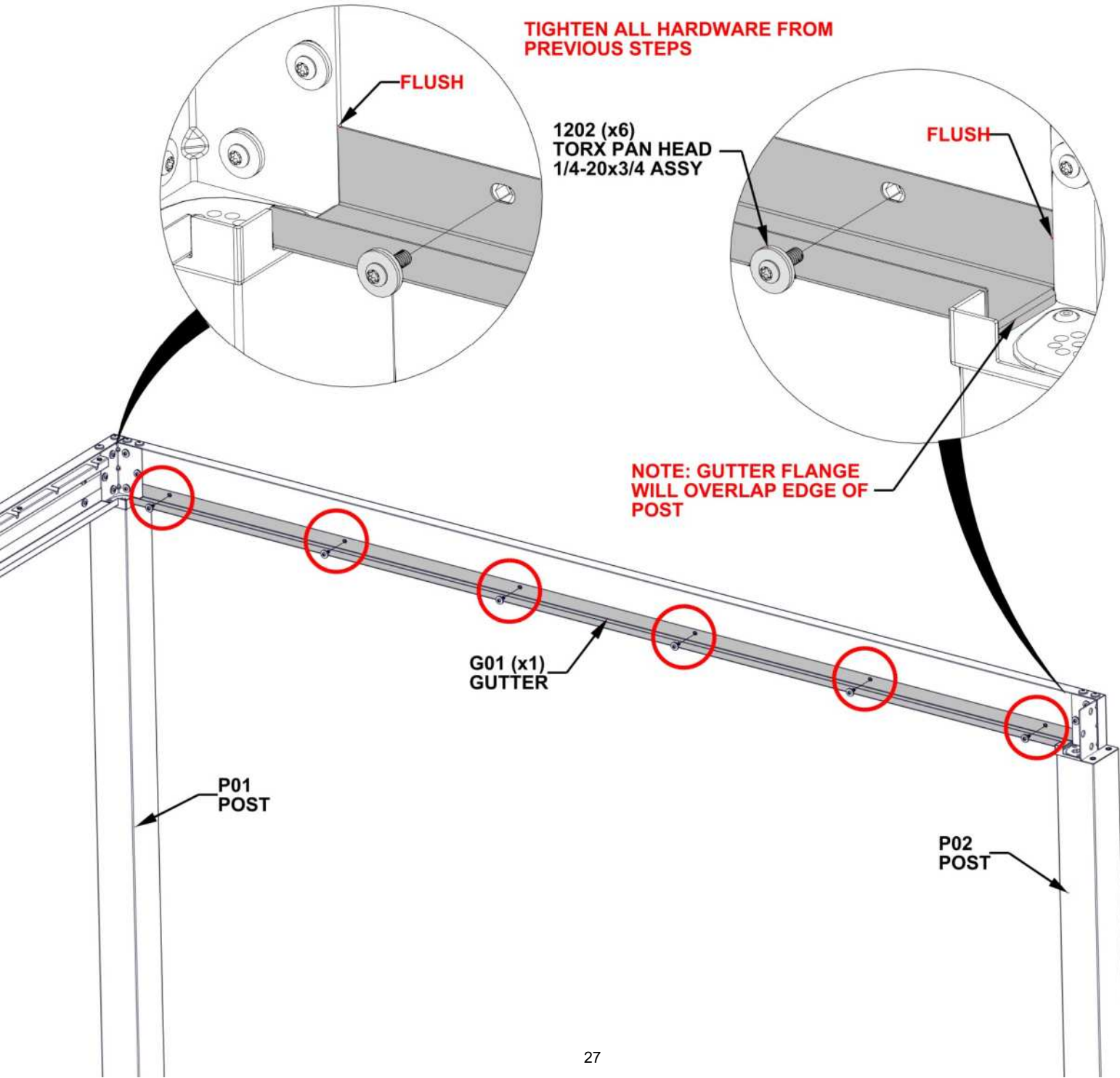
STEP 11 - GUTTER ATTACHMENT



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

QTY	PART NUMBER	DESCRIPTION
6	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY

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

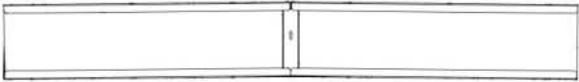


STEP 12 - BEAM ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
6	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY

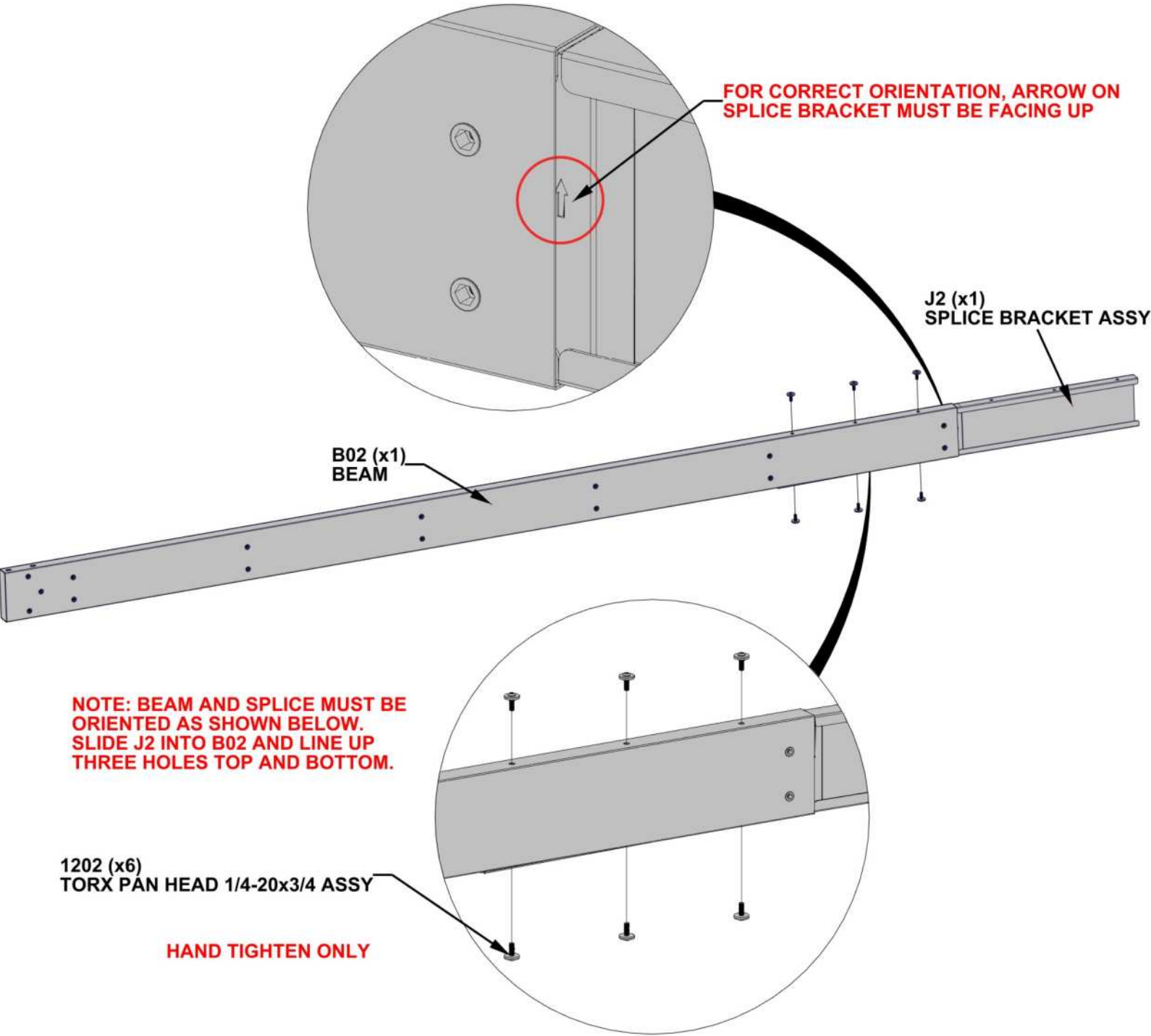


B02 BEAM - A4M04049
(x1) 1 7/16"x5 1/4"x103 7/8" (36x134x2639)



J2 SPLICE BRACKET ASSY - A4M06579
(x1) 39 1/2"x5 1/8"x1 1/4" (32.00x131x1003)

- BEAM AND SPLICE MUST BE ORIENTED AS SHOWN BELOW.
SLIDE J2 INTO B02 AND LINE UP THREE HOLES TOP AND BOTTOM.



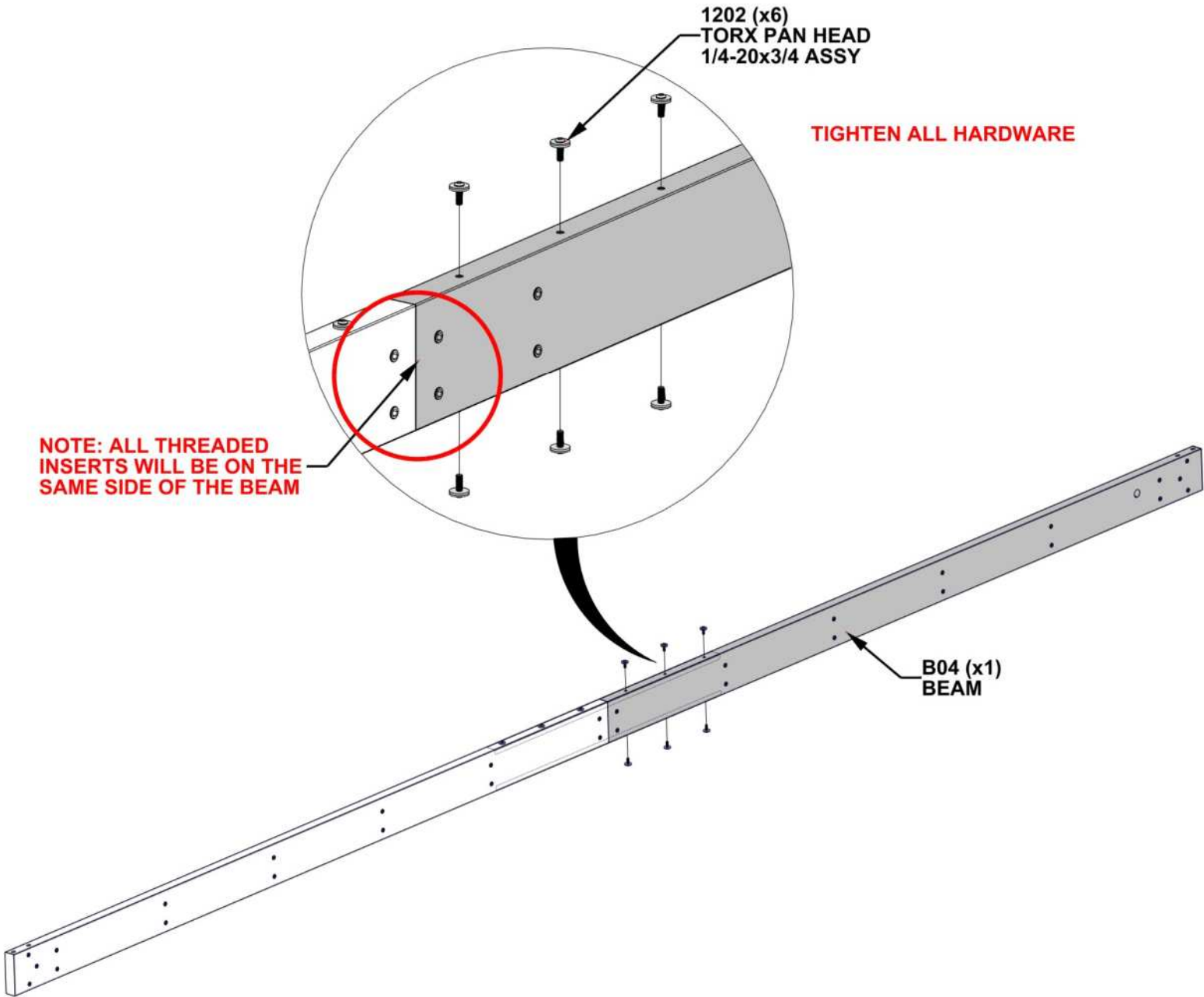
STEP 13 - BEAM ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
6	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY



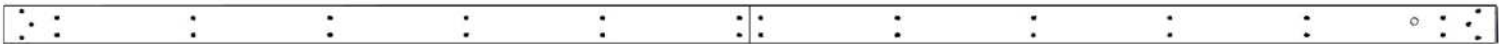
B04 BEAM - A4M04048
(x1) 1 7/16"x5 1/4"x103 7/8" (36x134x2639)

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



STEP 14A - FRAME ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
4	H101230	BOLT WH 5/16x6 S.S.



BEAM ASSEMBLY
STEP 13

- WITH AT LEAST TWO EXTRA PEOPLE, ATTACH BEAM ASSEMBLY FROM PREVIOUS STEPS TO P02 AND P03 POST.
- ALIGN SLOTS IN BEAM WITH THREADED INSERTS ON TOP 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

1230 (x4)
BOLT - 6"

FLUSH

BACK VIEW

NOTE: POST BRACKET WILL FIT AROUND THREADED INSERTS IN BEAM

P02
POST

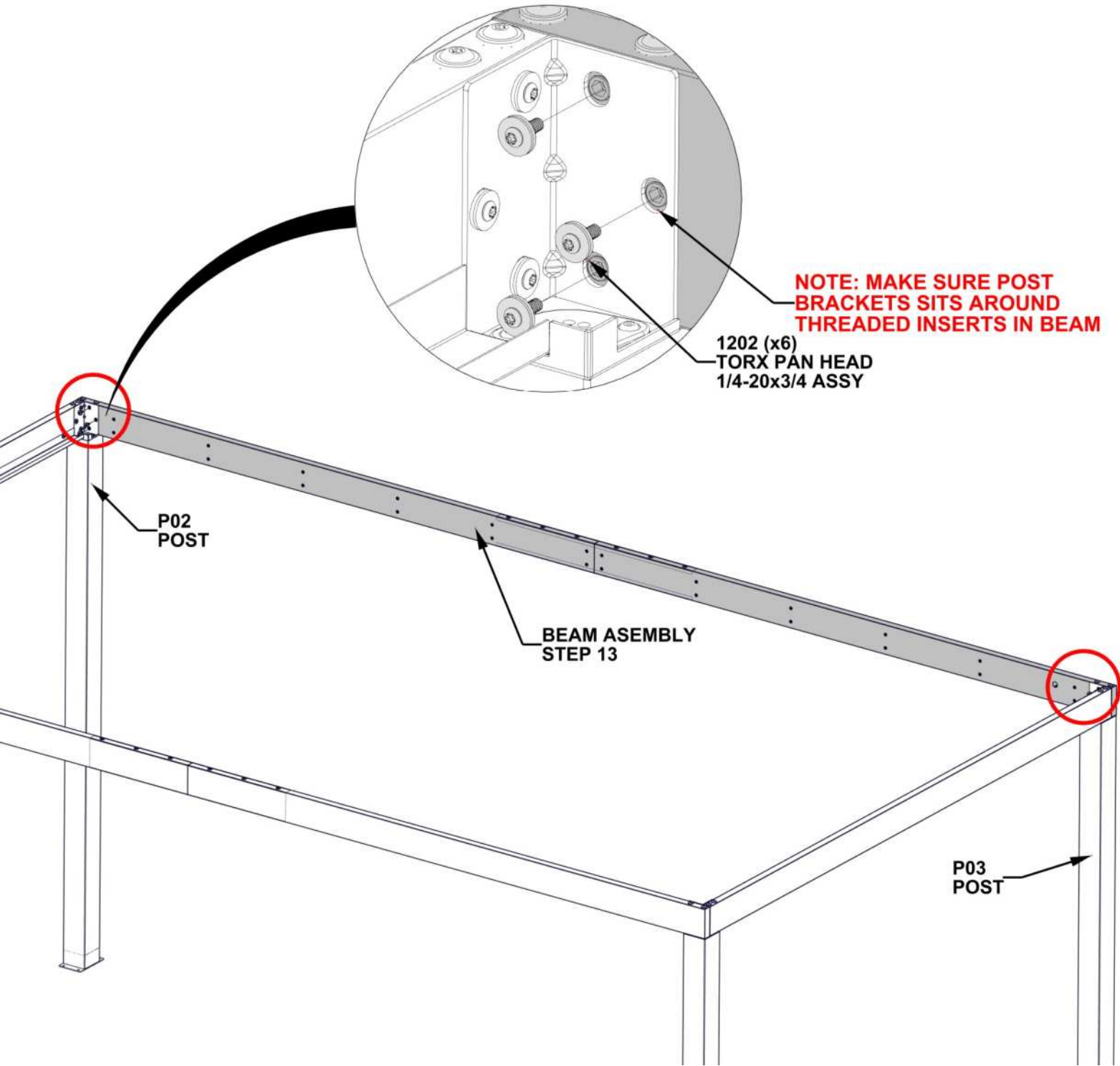
BEAM ASSEMBLY
STEP 13

P03
POST

STEP 14B - FRAME ASSEMBLY

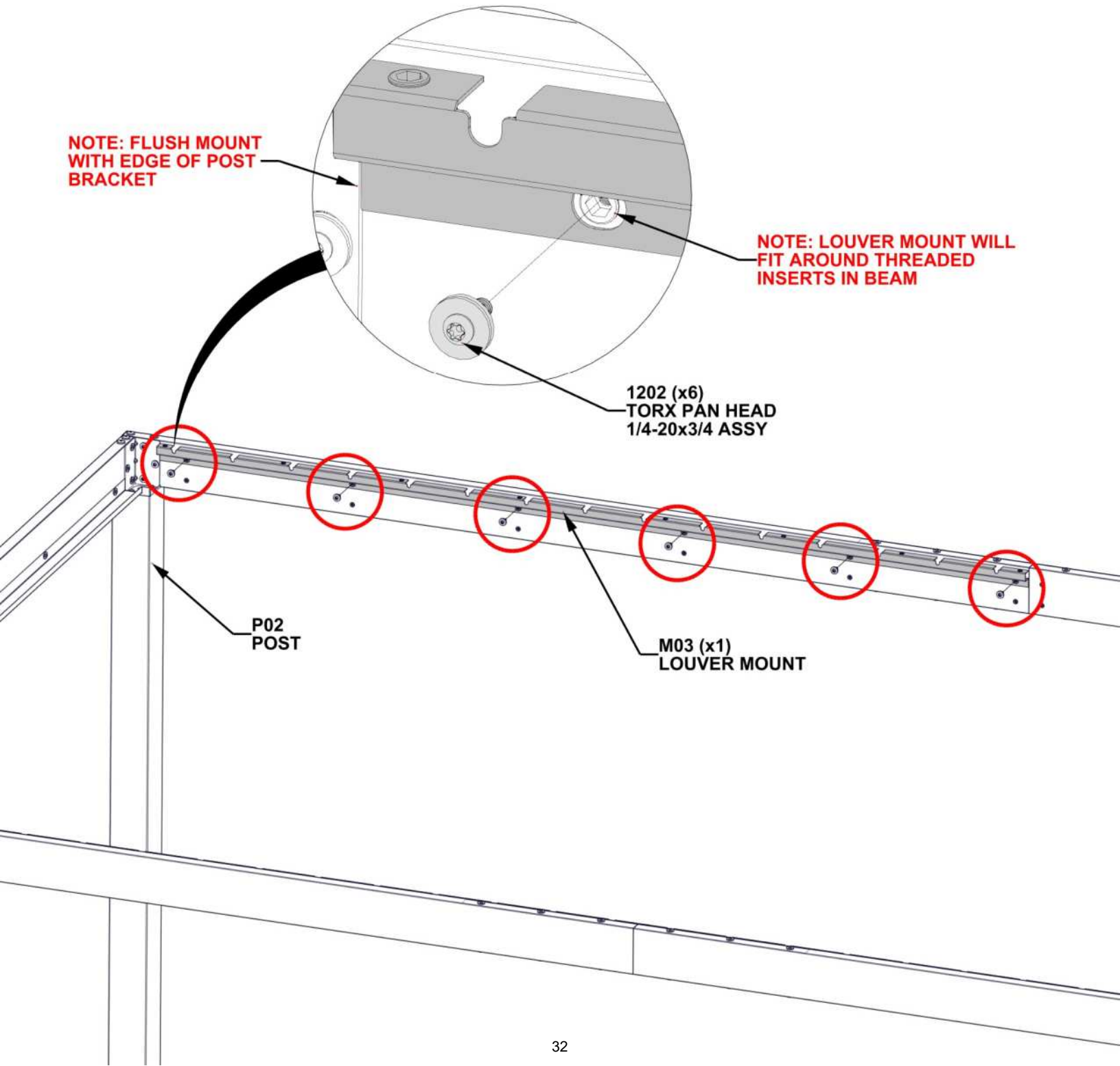
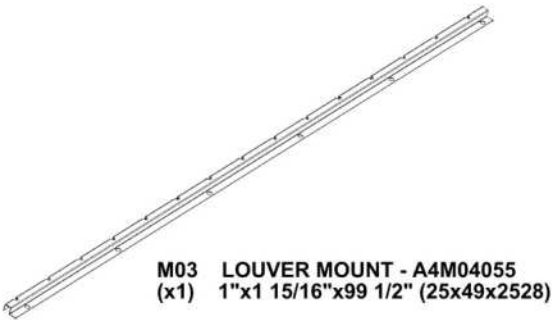
QTY	PART NUMBER	DESCRIPTION
6	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY

- TIGHTEN ALL HARDWARE FROM PREVIOUS STEPS.



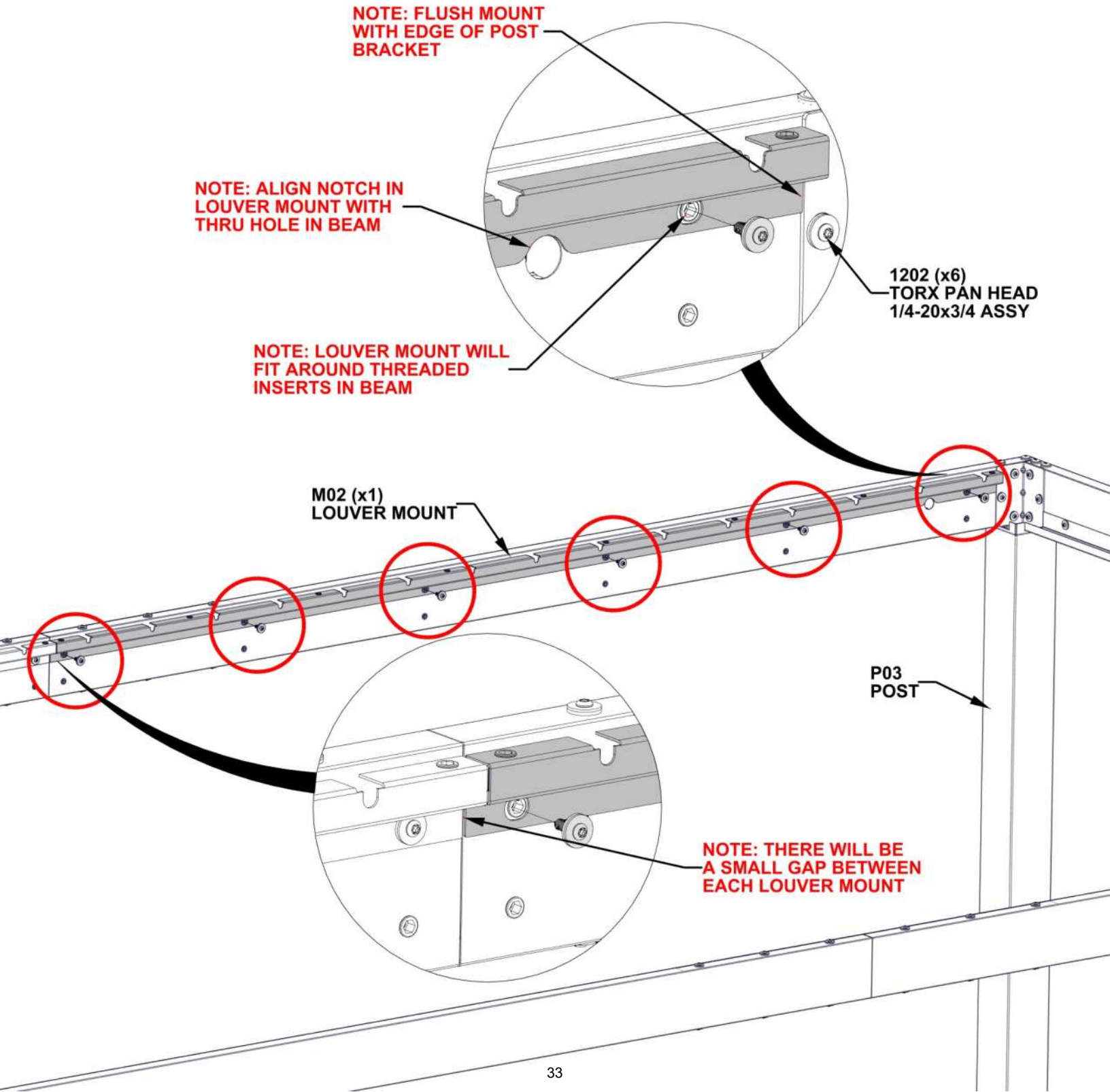
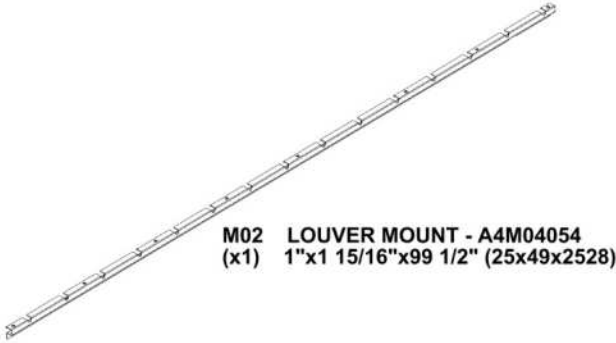
STEP 15 - LOUVER MOUNT ATTACHMENT

QTY	PART NUMBER	DESCRIPTION
6	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY

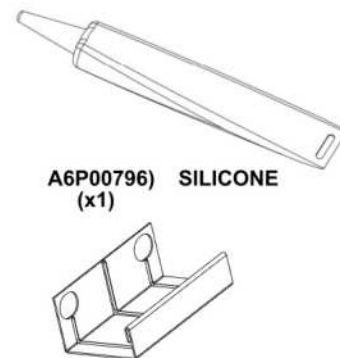
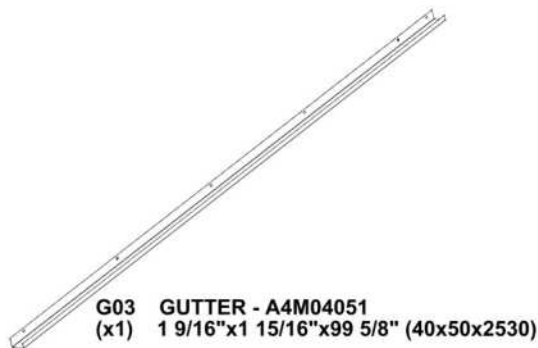
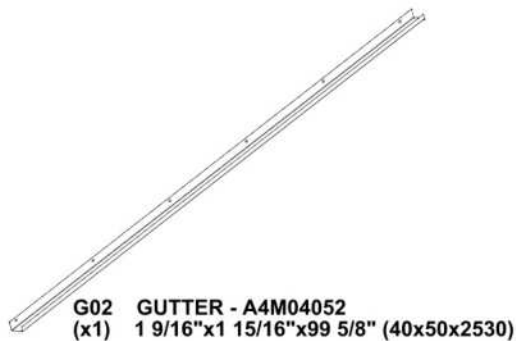


STEP 16 - LOUVER MOUNT ATTACHMENT

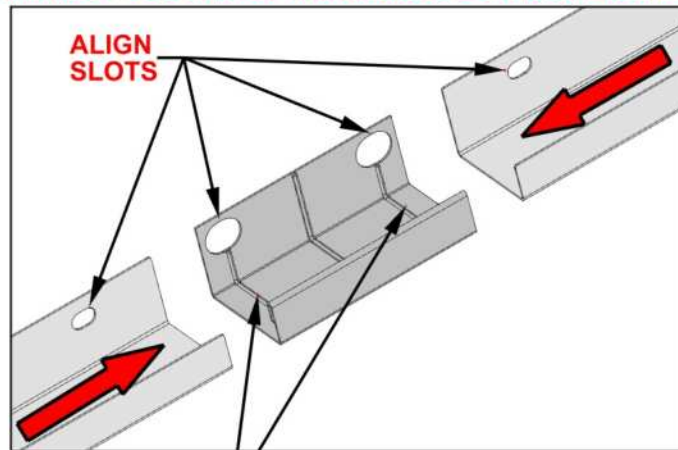
QTY	PART NUMBER	DESCRIPTION
6	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY



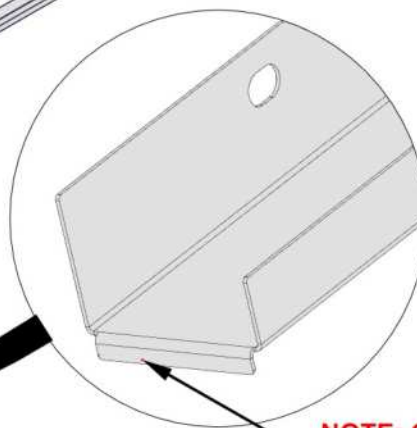
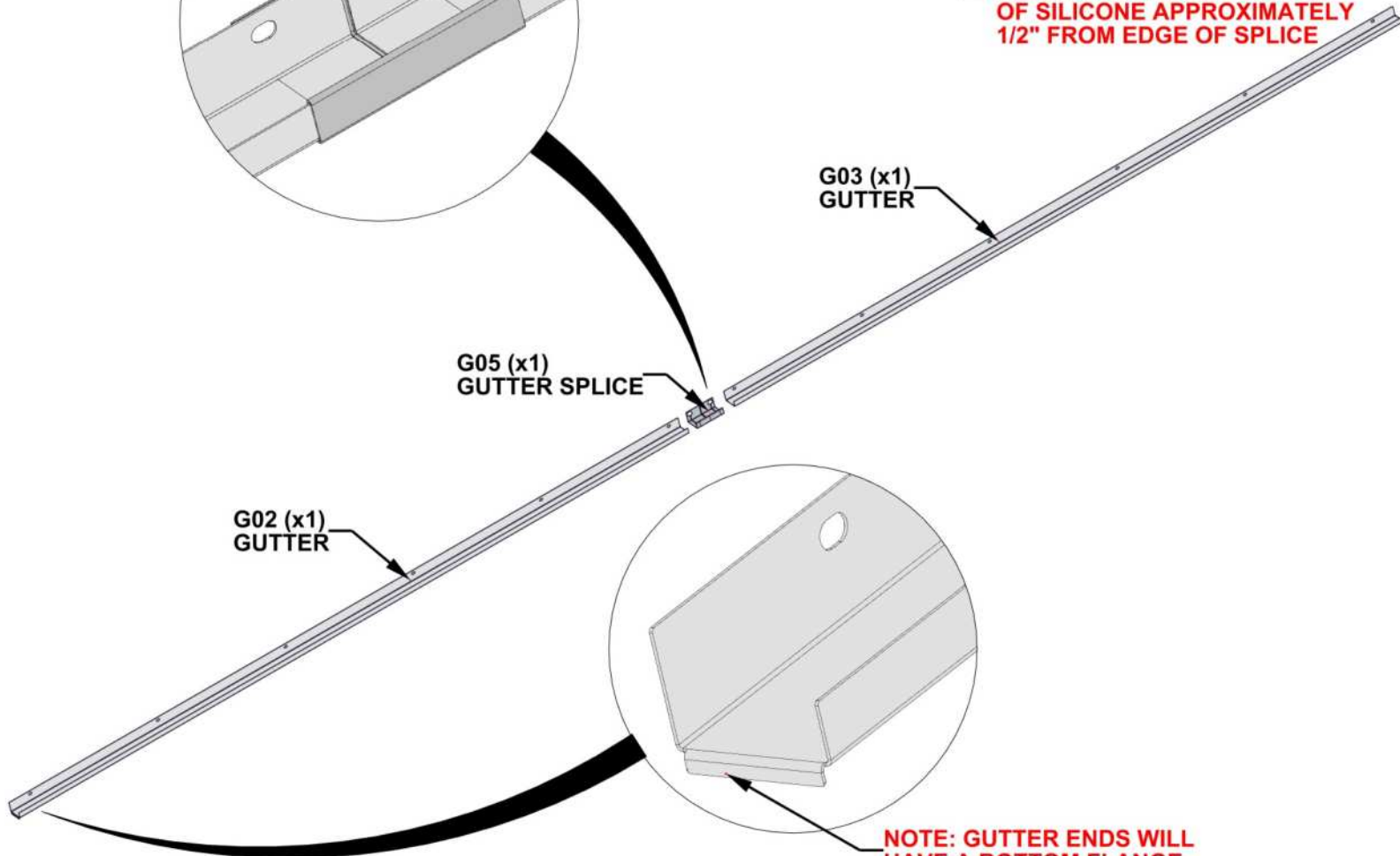
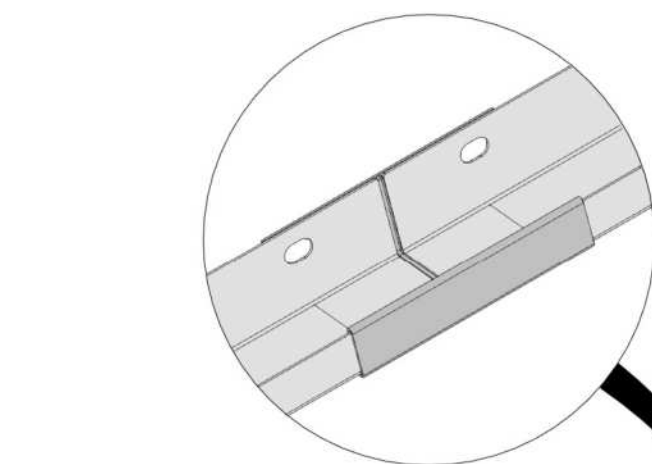
STEP 17A- GUTTER ASSEMBLY



- MEASURE APPROXIMATELY 1/2" [13mm] FROM EACH END OF GUTTER SPLICE AND APPLY A FINE BEAD OF SILICONE.
- SLIDE BOTH G02 & G03 GUTTERS INTO SPLICE UNTIL ENDS ARE ALMOST TOUCHING. WIPE EXCESS SILICONE USING RAG OR PAPER TOWEL.
- GLOVES ARE RECOMMENDED WHEN APPLYING SILICONE.
- MAKE SURE SURFACE OF GUTTER SPLICE IS CLEAN, DRY AND FREE OF ANY DIRT/DEBRIS.



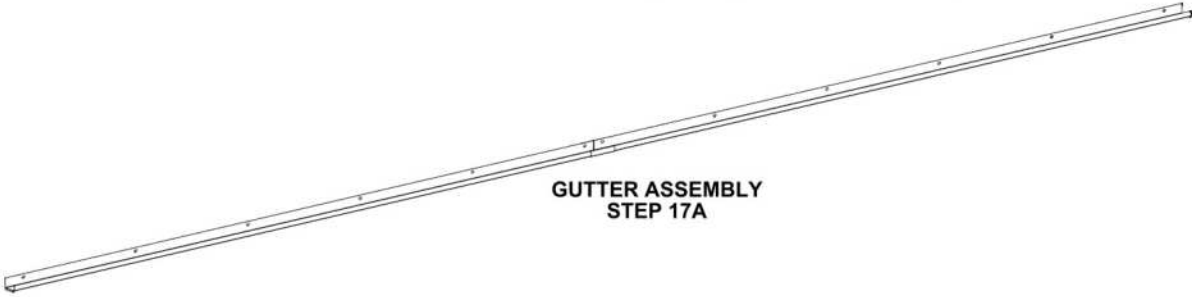
NOTE: APPLY A SMALL BEAD OF SILICONE APPROXIMATELY 1/2" FROM EDGE OF SPLICE



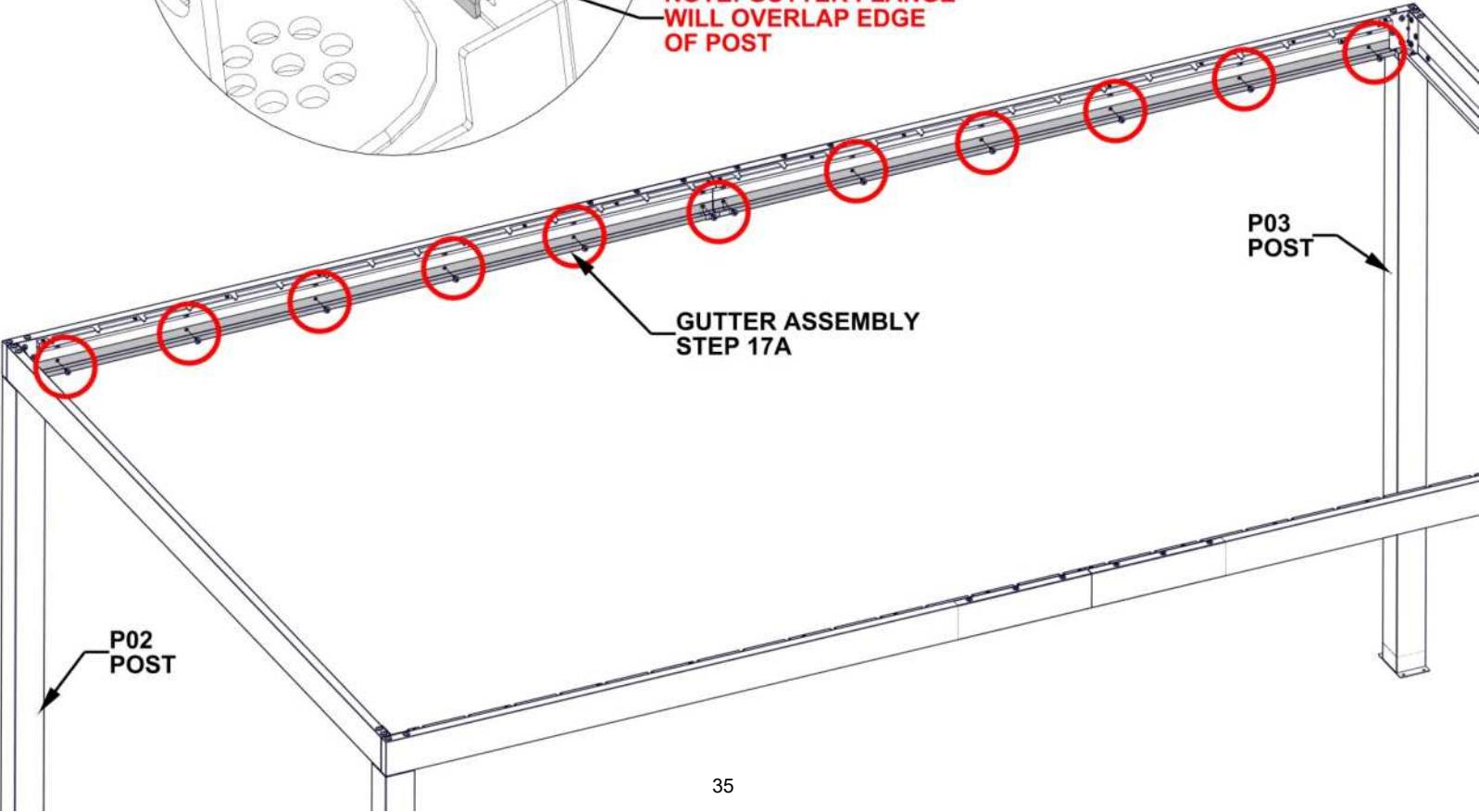
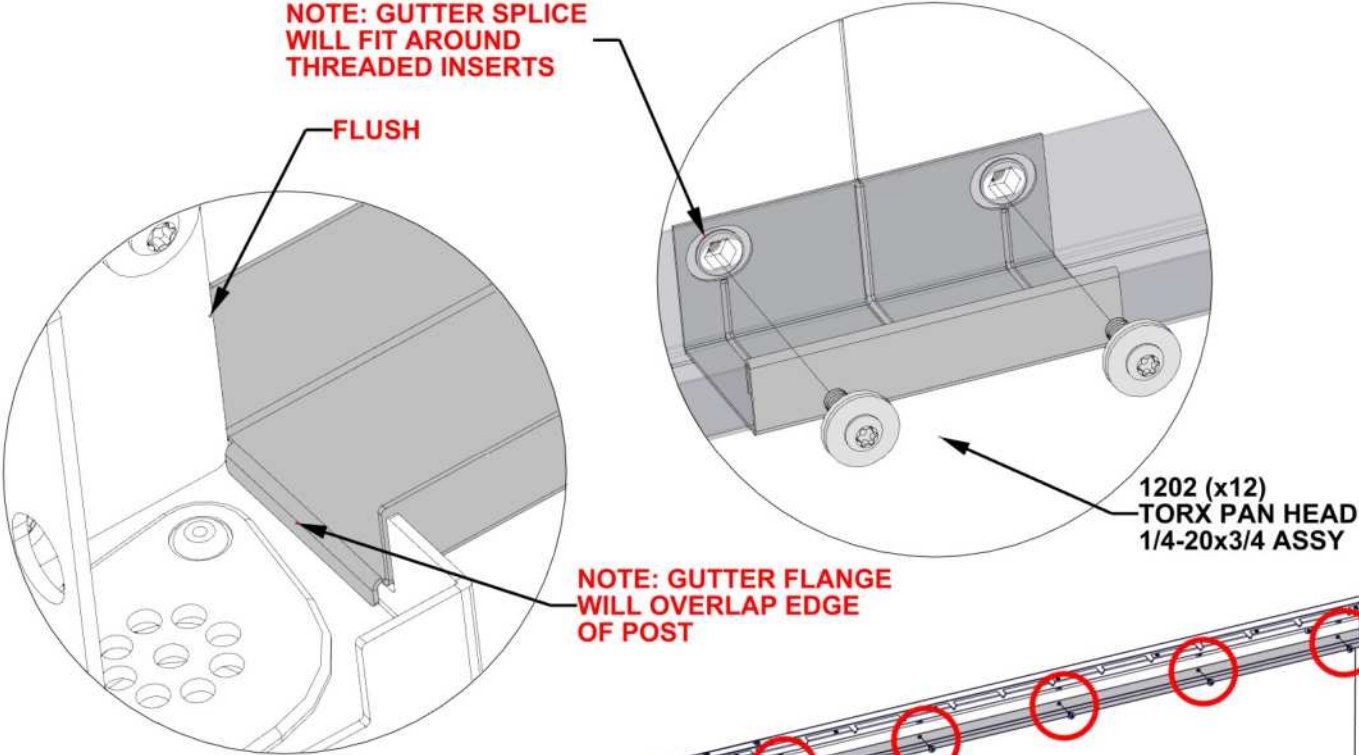
NOTE: GUTTER ENDS WILL HAVE A BOTTOM FLANGE

STEP 17B - GUTTER ASSEMBLY

QTY	PART NUMBER	DESCRIPTION
12	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY



- WITH AT LEAST TWO PEOPLE, ATTACH GUTTER ASSEMBLY FROM PREVIOUS STEP TO BEAM.
- MAKE SURE ENDS OF GUTTER SIT ON TOP SURFACE OF EACH POST BRACKET.

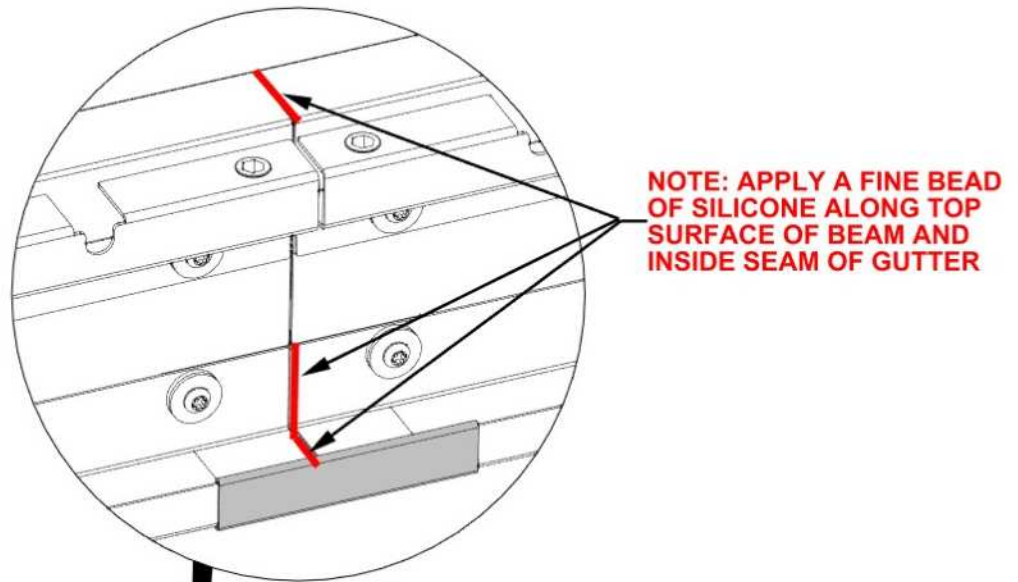


STEP 17C - SEALANT

APPLY A FINE BEAD OF SILICONE ON TOP EDGE OF BEAM AND ALONG THE INSIDE SURFACE OF GUTTER WHERE TWO GUTTER PIECES MEET.

SMOOTH SILICONE ALONG SEAM, WIPING EXCESS USING A RAG OR PAPER TOWEL.

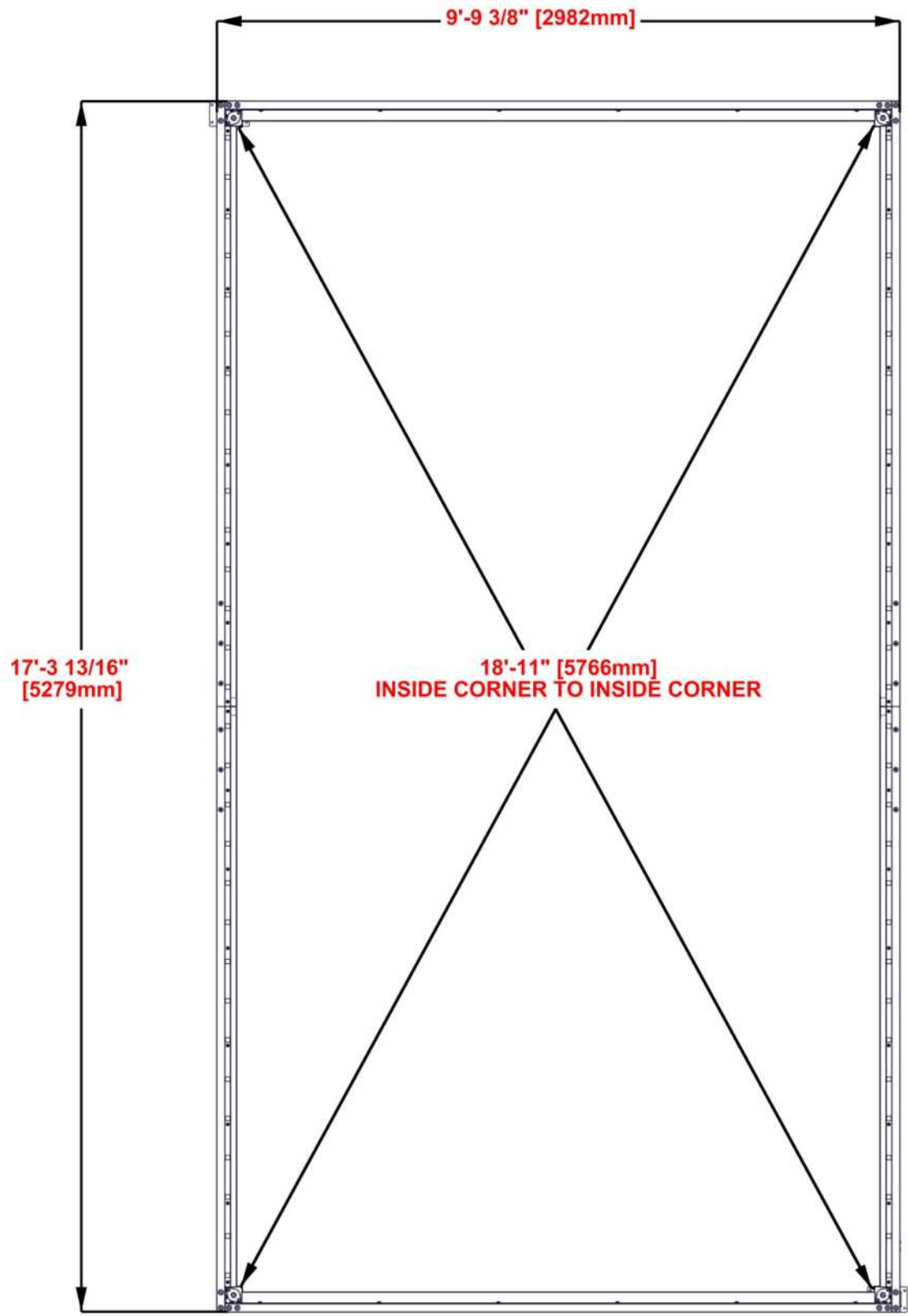
TIP: GLOVES ARE RECOMMENDED WHEN APPLYING SILICONE.
MAKE SURE SURFACE OF GUTTER IS CLEAN, DRY, AND FREE OF ANY DIRT/DEBRIS.



STEP 18A - SQUARE STRUCTURE

- CRITICAL:**
- 1. SQUARE ASSEMBLY BEFORE PROCEEDING TO NEXT STEPS.
 - 2. ONCE SQUARE, TIGHTEN ALL HARDWARE.

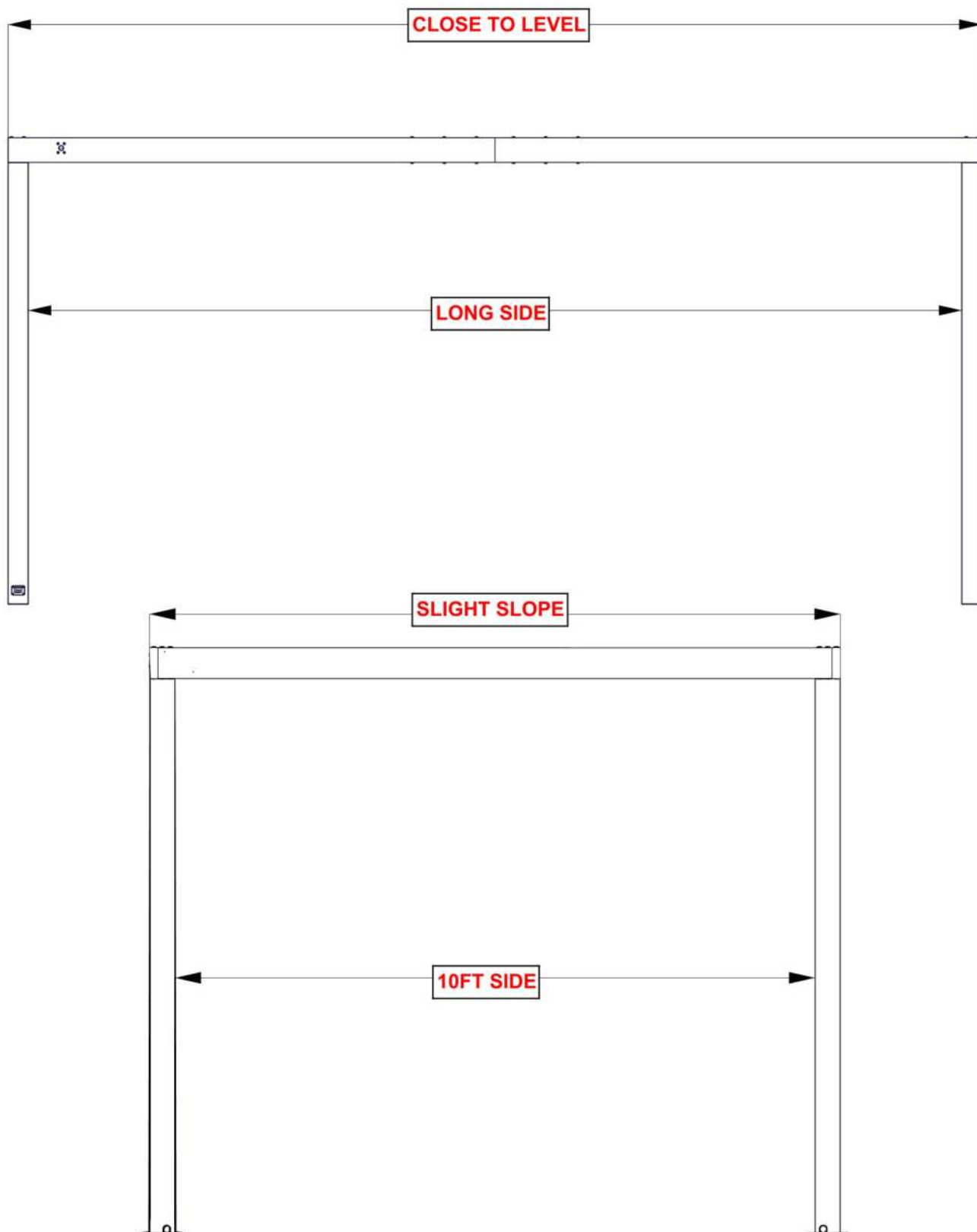
MEASUREMENTS TAKE FROM OUTSIDE POST TO OUTSIDE POST OF STRUCTURE UNLESS NOTED OTHERWISE



STEP 18B - SQUARE STRUCTURE

CRITICAL:

- FOR YOUR PERGOLA TO DRAIN PROPERLY, THERE MUST BE A SLIGHT SLOPE ON THE 10FT SIDE RUNNING THE LENGTH OF THE LOUVER BLADES.
- IT IS RECOMMENDED THAT THE LONG SIDES ARE LEVEL OR CLOSE TO LEVEL.
- PLACE A LEVEL ON THE LONGER BEAMS TO CONFIRM THE LONG SIDES ARE CLOSE TO LEVEL.
- PLACE A LEVEL ON THE SHORT BEAMS (10FT) SIDE TO CONFIRM YOU HAVE A SLIGHT SLOPE IN ONE DIRECTION.



PLEASE CONTACT BACKYARD DISCOVERY CUSTOMER SERVICE
IF HELP IS NEEDED POSITIONING YOUR STRUCTURE

STEP 19 - GUTTER SEALANT

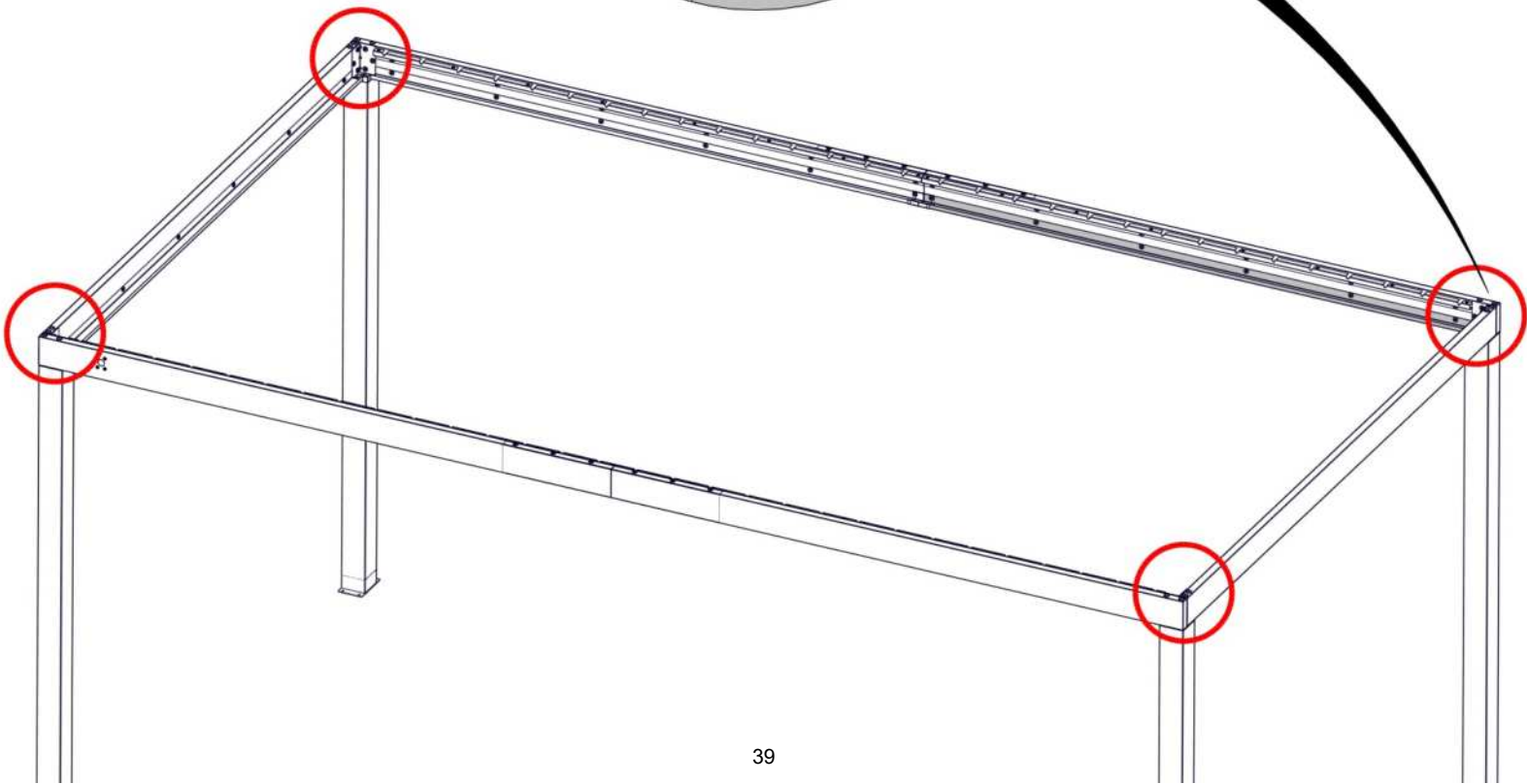
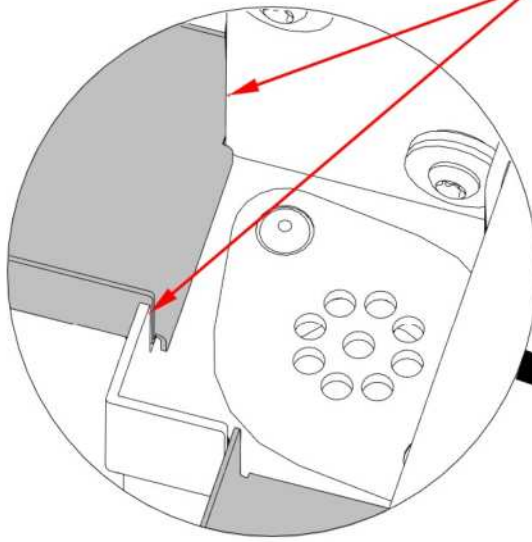


A6P00796 SILICONE
(x1)

- APPLY A FINE BEAD OF SILICONE ALONG INSIDE SURFACE OF GUTTER WHERE GUTTER PIECES MEET POST.
- SMOOTH SILICONE, WIPING EXCESS USING A RAG OR PAPER TOWEL.
- REPEAT THIS STEP FOR ALL GUTTER ATTACHMENT POINTS AT EACH POST.

- GLOVES ARE RECOMMENDED WHEN APPLYING SILICONE.
- MAKE SURE SURFACE OF GUTTER IS CLEAN, DRY AND FREE OF ANY DIRT/DEBRIS.

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

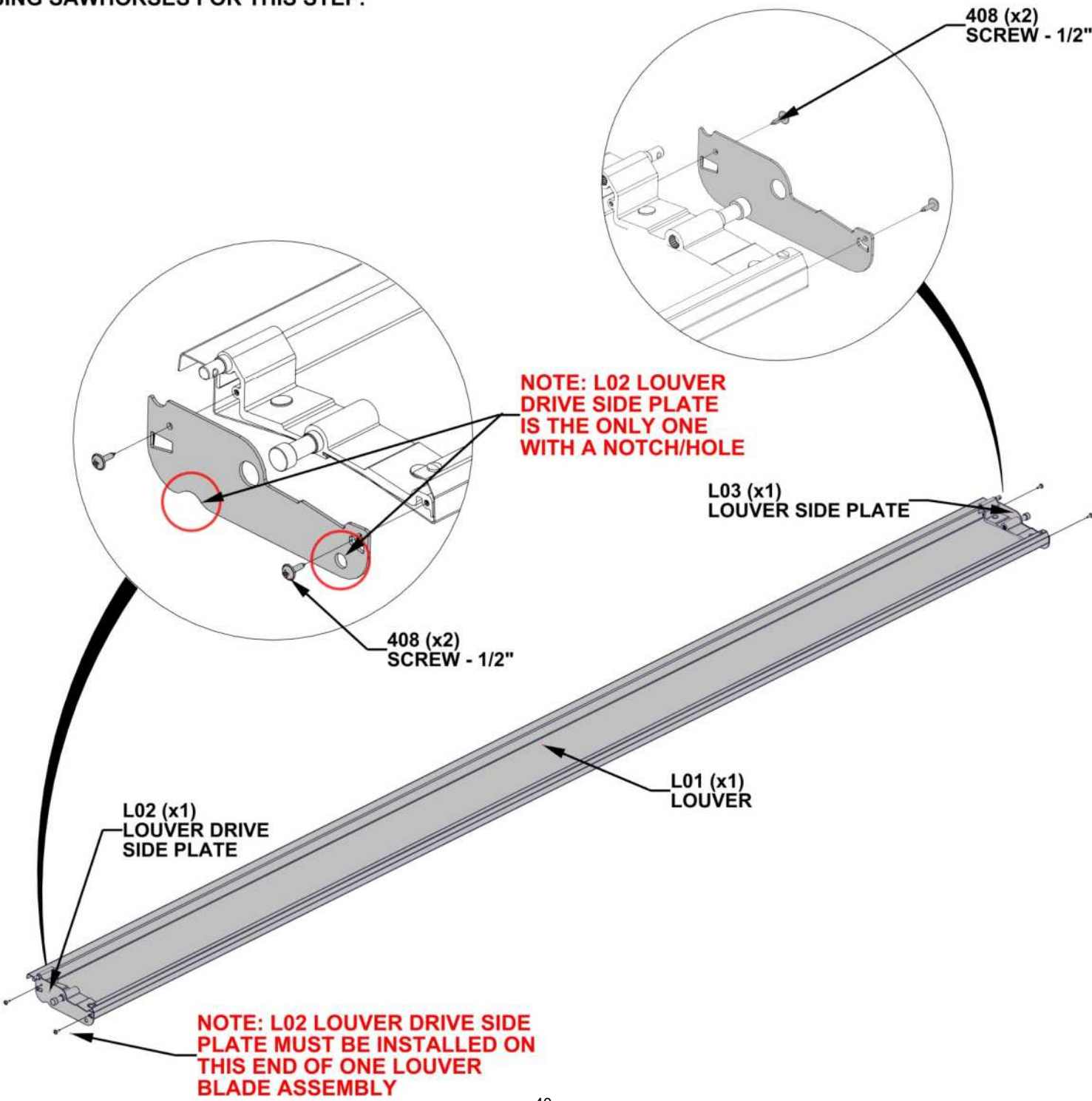


STEP 20 - DRIVE LOUVER ASSEMBLY

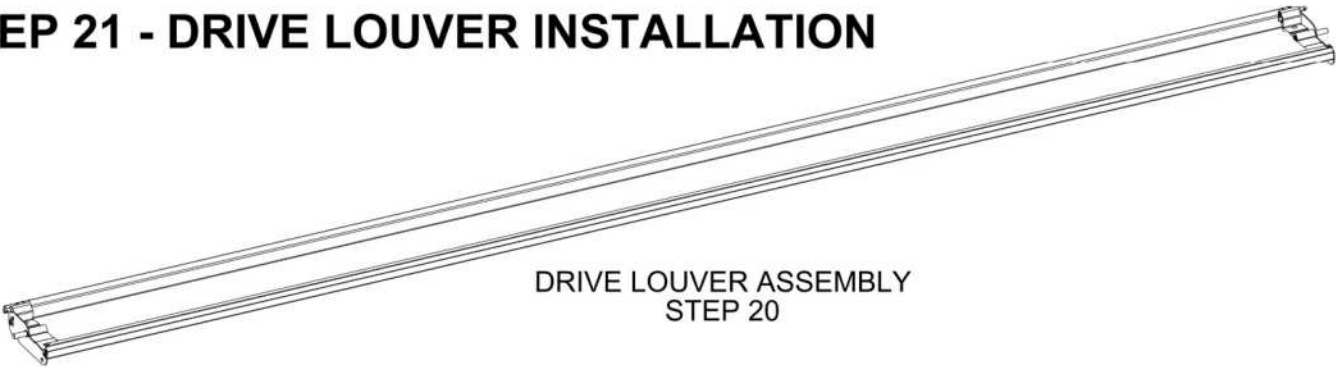
QTY	PART NUMBER	DESCRIPTION
4	H100408	SCREW PWH 8x1/2 BLK



- DO NOT OVERTIGHTEN SCREWS
- FOR EASE OF ASSEMBLY, WE RECOMMEND USING SAWHORSES FOR THIS STEP.

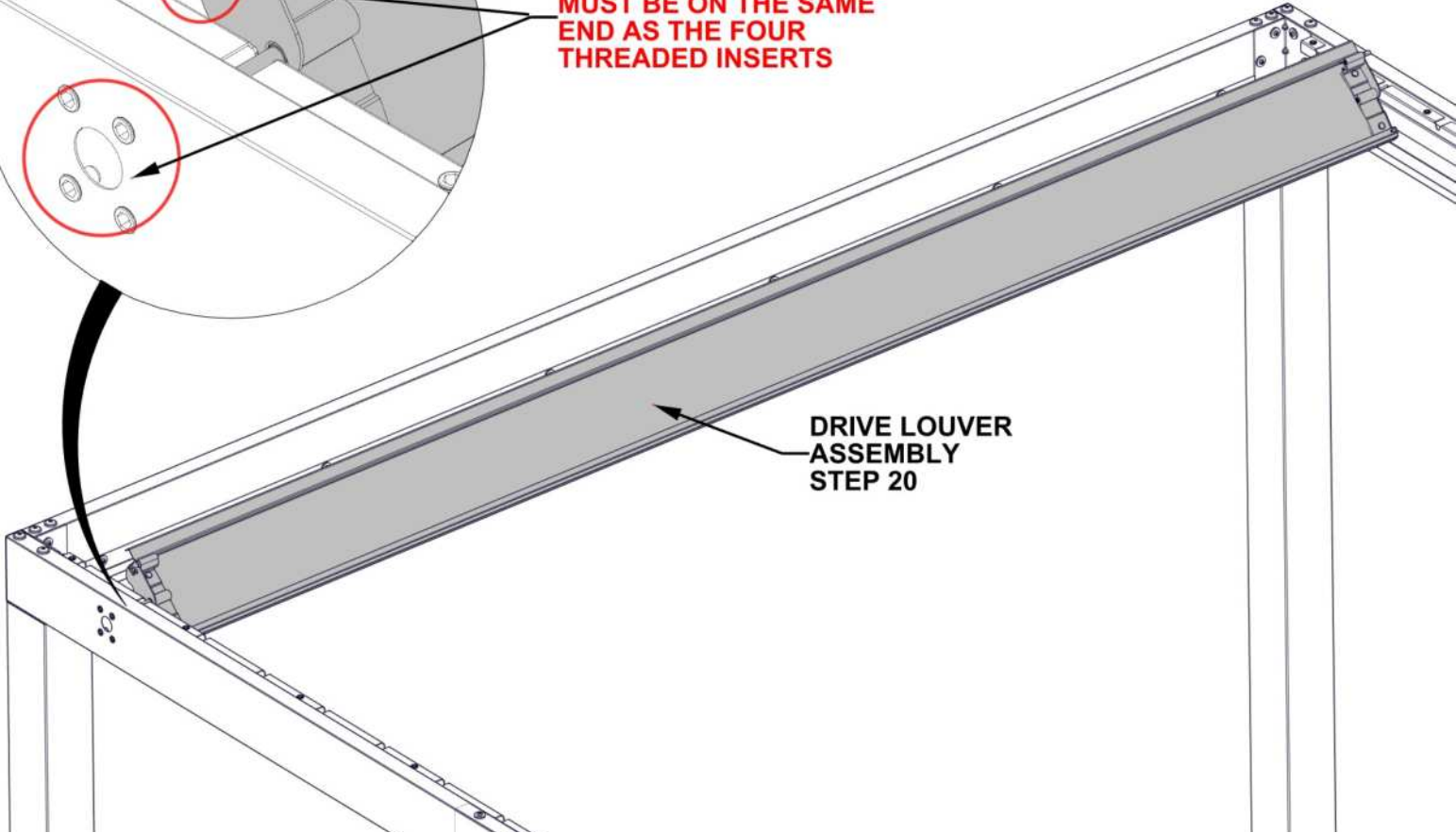
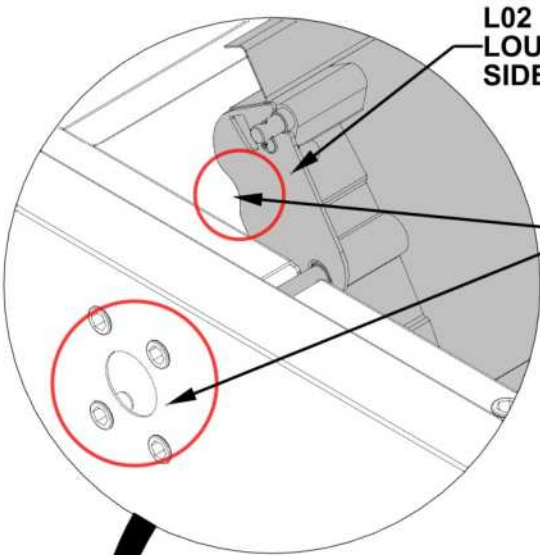
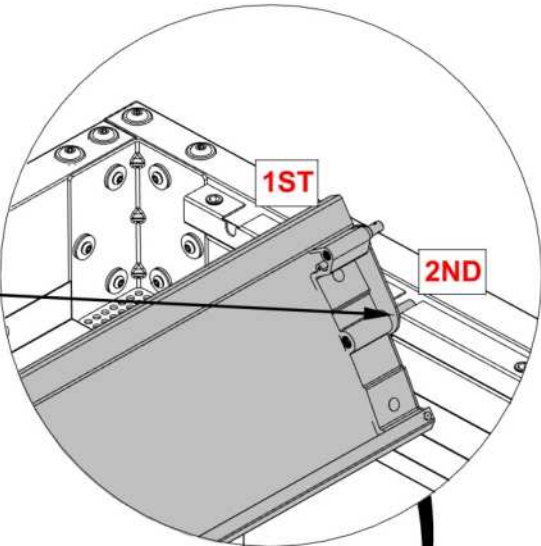


STEP 21 - DRIVE LOUVER INSTALLATION



- ORIENTATION OF LOUVER WILL BE DETERMINED BY THE SIDE BEAM WITH FOUR THREADED INSERTS
- PLACE DRIVE LOUVER FROM PREVIOUS STEP IN THE SECOND SET OF LOUVER MOUNT GROOVES. L02 DRIVE PLATE WILL BE ON SAME SIDE AS FOUR THREADED INSERTS IN BEAM.

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



STEP 22 - LOUVER ASSEMBLY

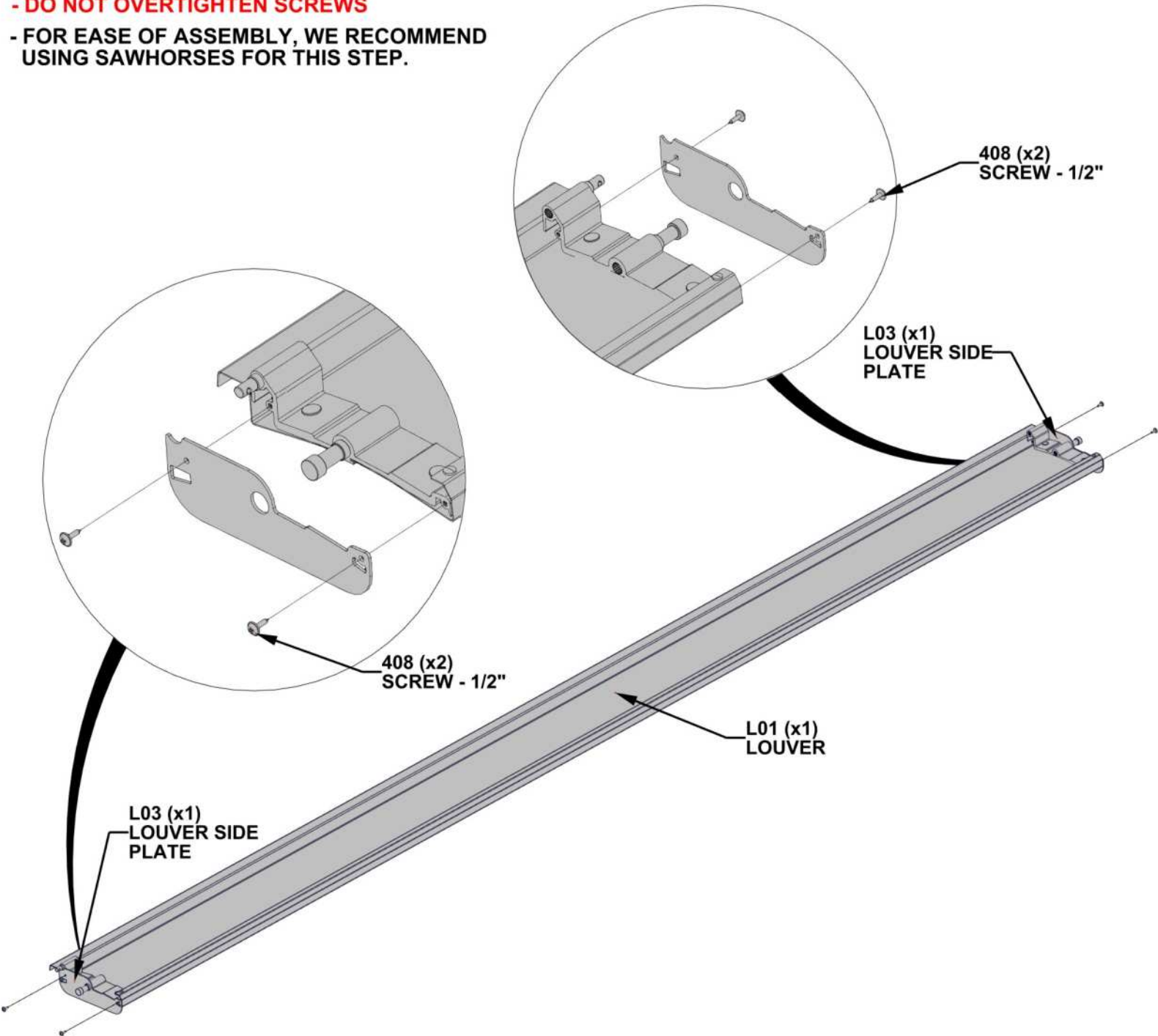
QTY	PART NUMBER	DESCRIPTION
116	H100408	SCREW PWH 8x1/2 BLK



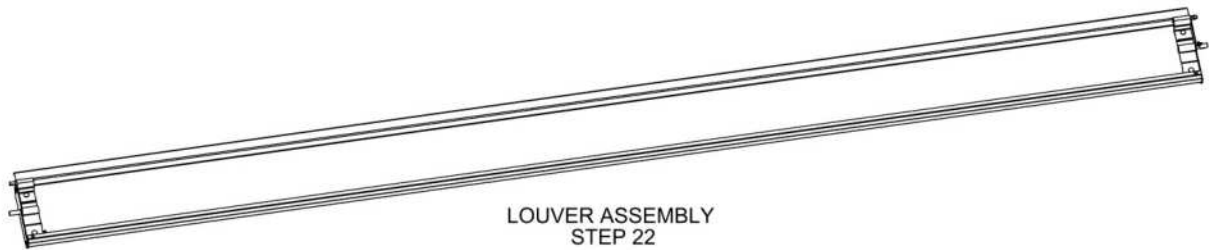
L03 LOUVER SIDE PLATE - A4M04138
(x58) 1/16"x2 3/16"x6 9/16" (2x55x167)

REPEAT THIS STEP 29 TIMES

- DO NOT OVERTIGHTEN SCREWS
- FOR EASE OF ASSEMBLY, WE RECOMMEND USING SAWHORSES FOR THIS STEP.

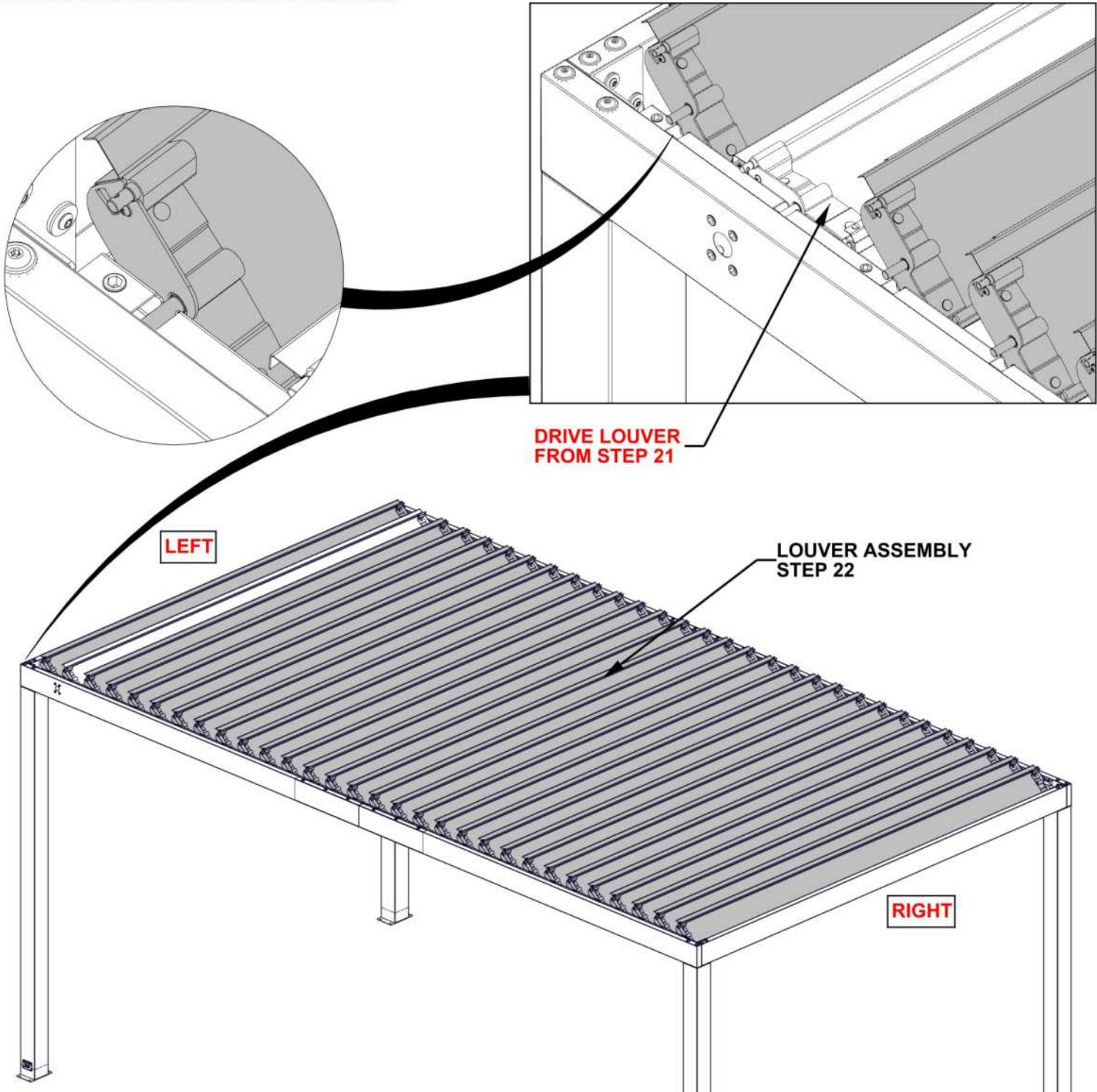


STEP 23 - LOUVER INSTALLATION

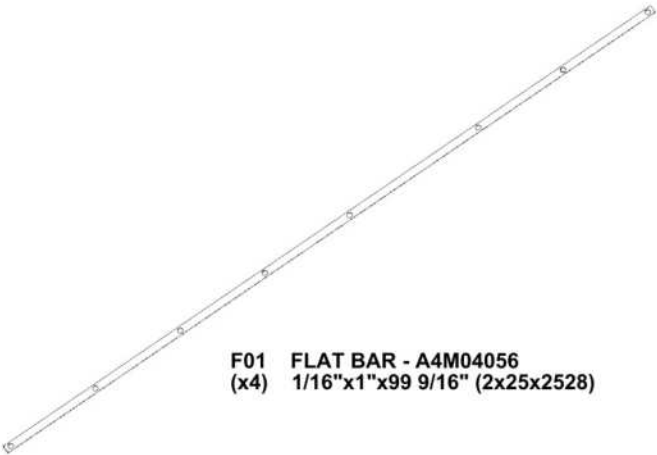


- STARTING AT THE LEFT AND WORKING TO THE RIGHT, CAREFULLY SET EACH LOUVER ASSEMBLY ONE AT A TIME INTO LOUVER MOUNTS AT EACH END.

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



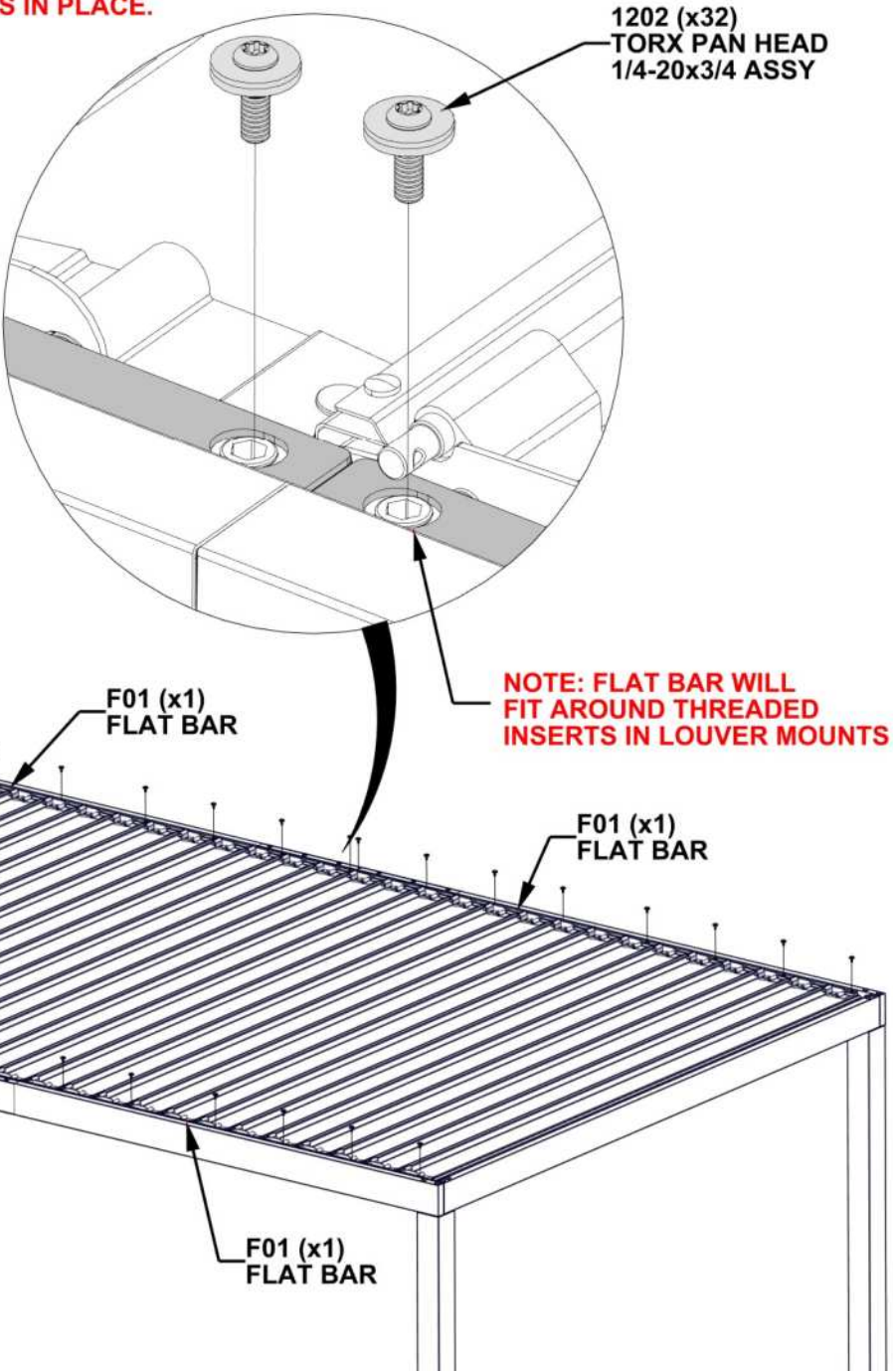
STEP 24 - LOUVER INSTALLATION



F01 FLAT BAR - A4M04056
(x4) 1/16"x1"x99 9/16" (2x25x2528)

QTY	PART NUMBER	DESCRIPTION
32	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY

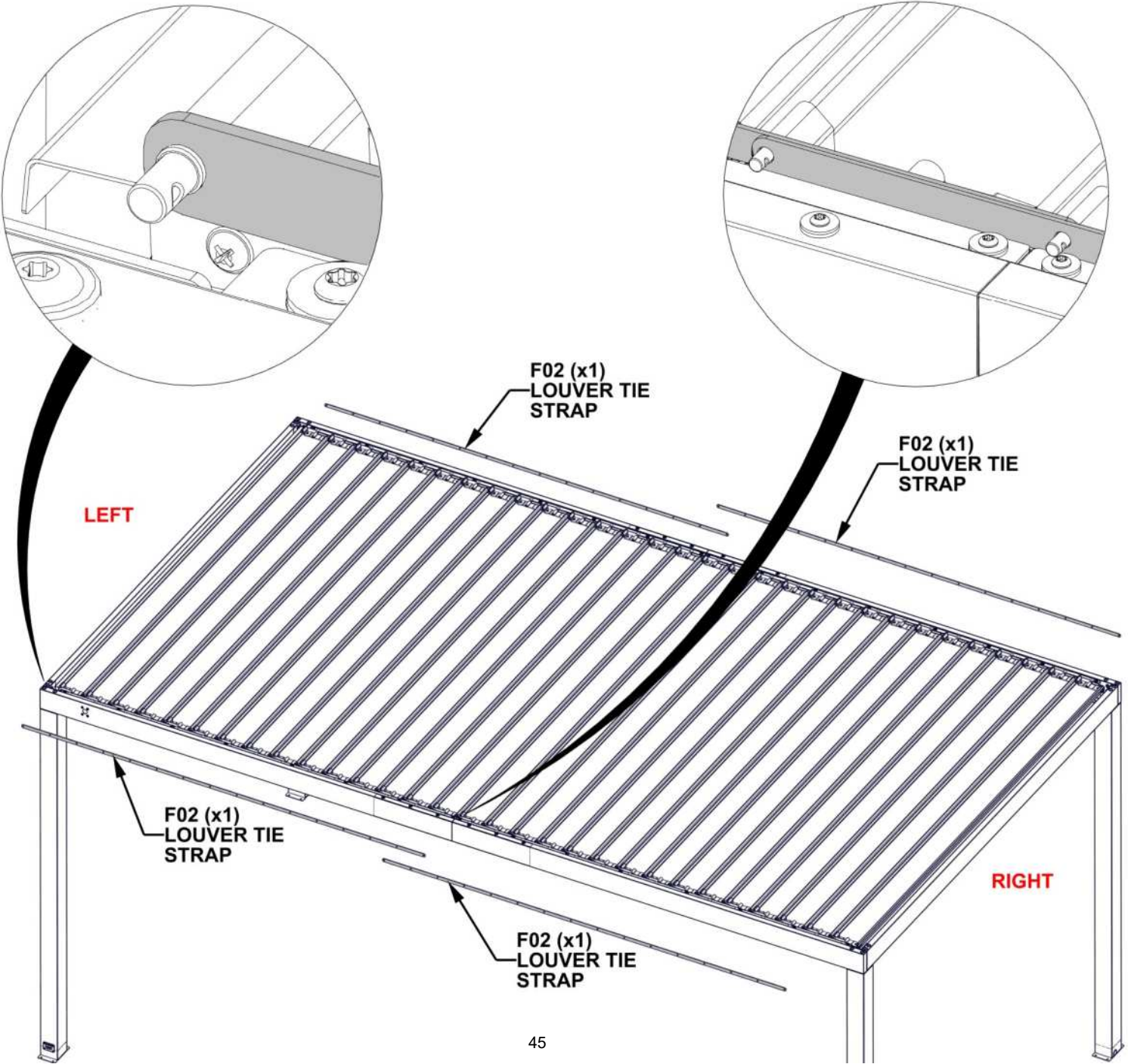
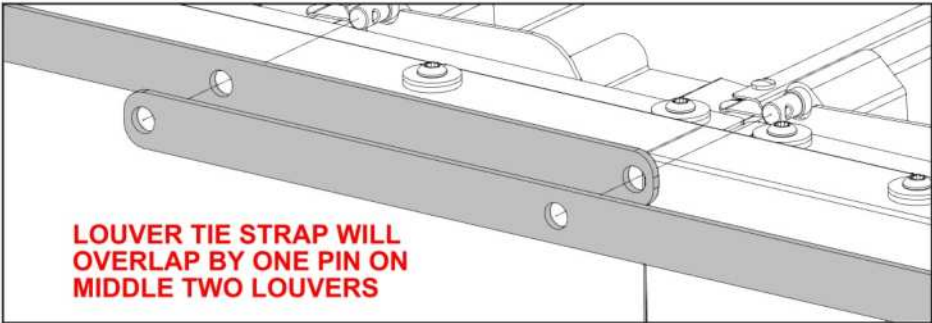
- ATTACH FLAT BAR ALONG EACH LOUVER MOUNT.
- FLAT BAR WILL HOLD ALL LOUVER ASSEMBLIES IN PLACE.



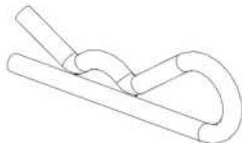
STEP 25A - LOUVER INSTALLATION

F02 LOUVER TIE STRAP - A4M04057
(x4) 1/8"x13/16"x101 3/4" (3x20x2585)

- LOUVER TIE STRAPS WILL CONNECT ALL LOUVERS TO ONE ANOTHER.
- STARTING ON THE LEFT AND WORKING TO THE RIGHT, CONNECT LOUVERS USING TIE STRAPS. OVERLAP TIE STRAPS TO HOLD MIDDLE LOUVERS TOGETHER.

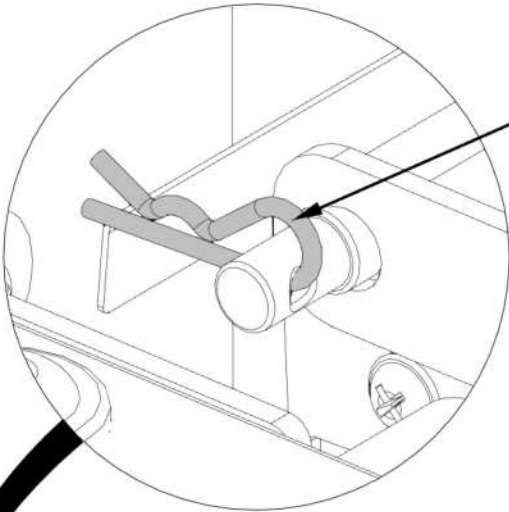


STEP 25B - LOUVER INSTALLATION

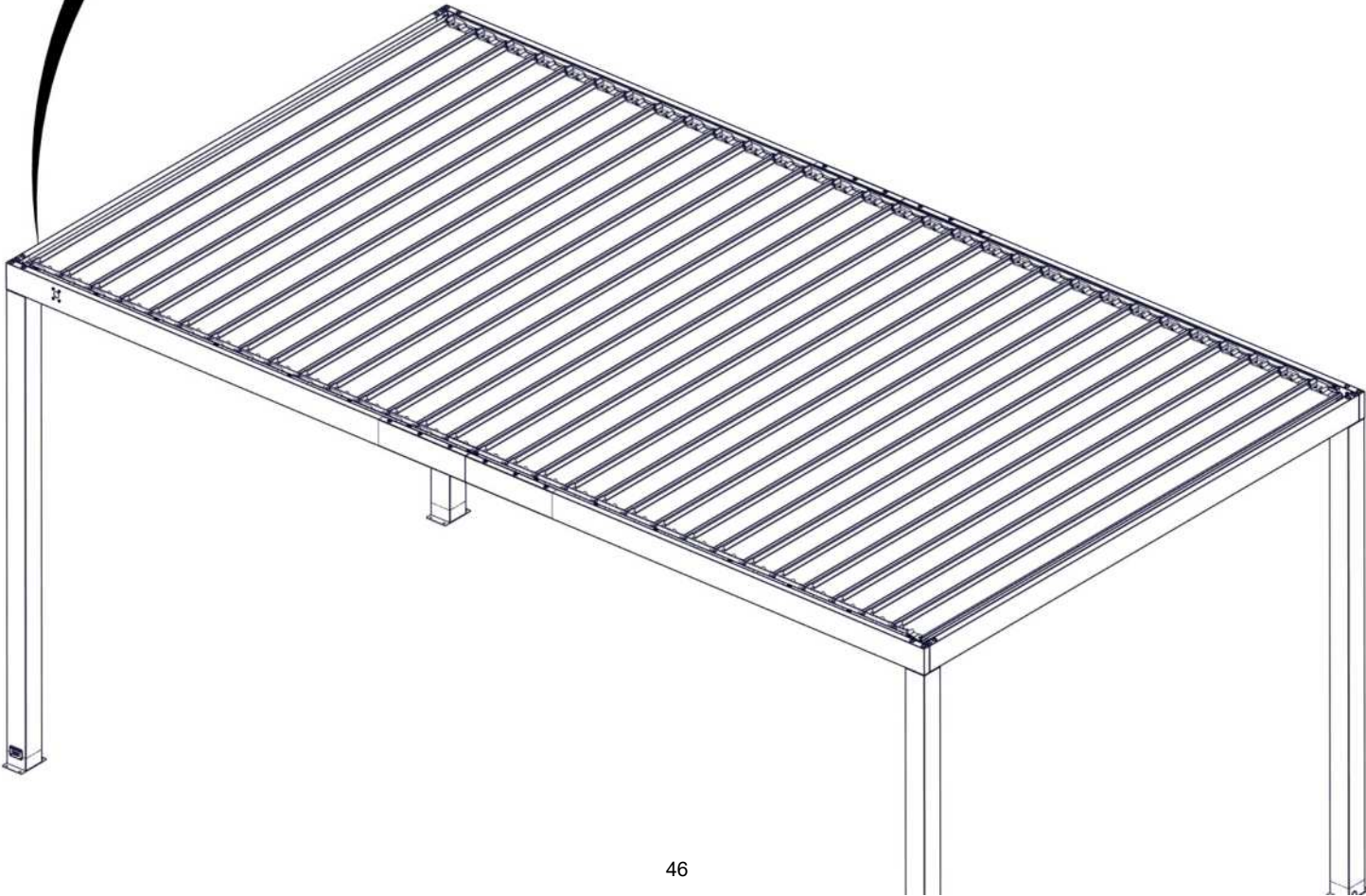


H101161 COTTER PIN
(x60)

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



1161 (x60)
COTTER PIN



STEP 26 - LOUVER MECHANISM

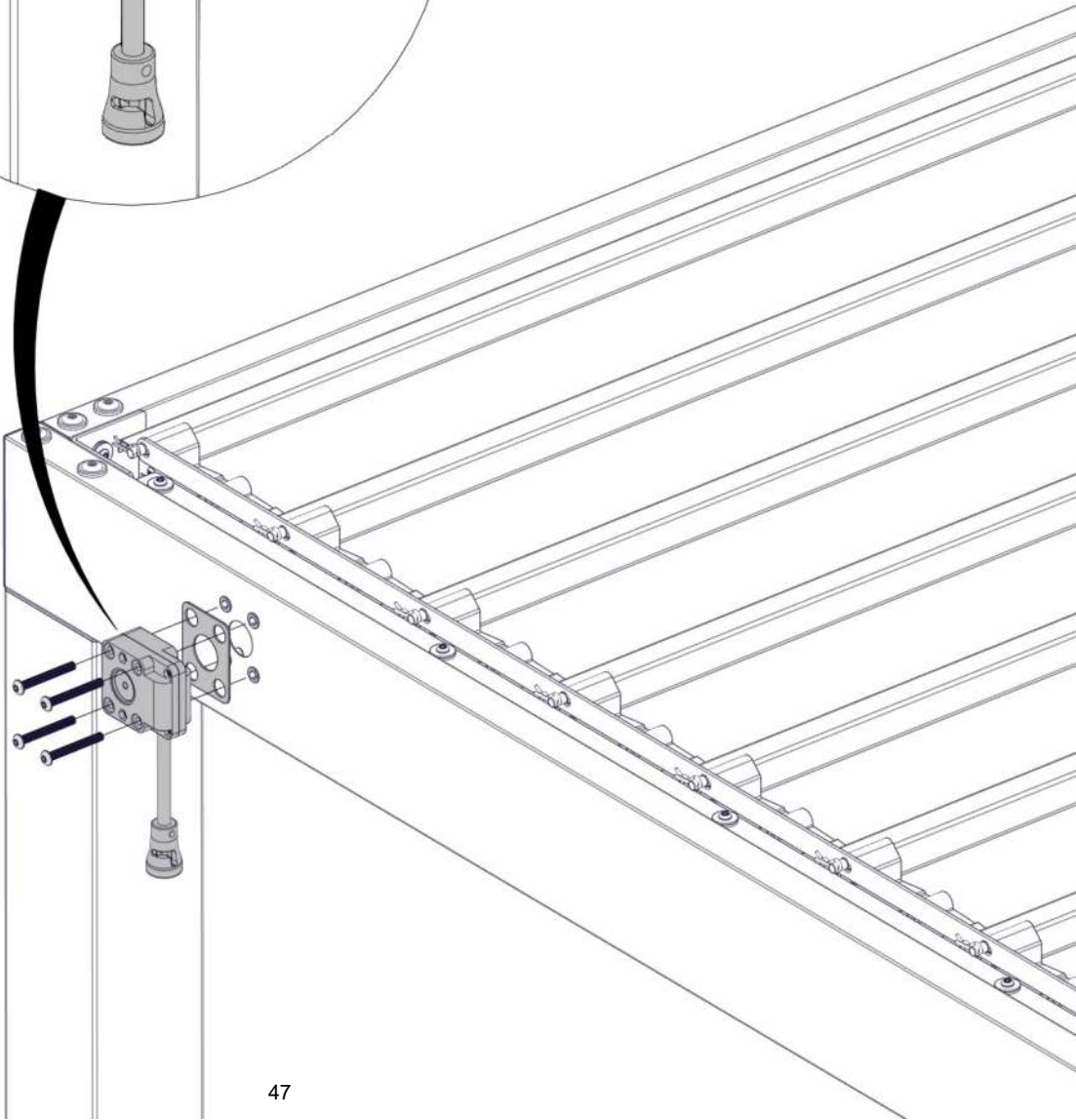
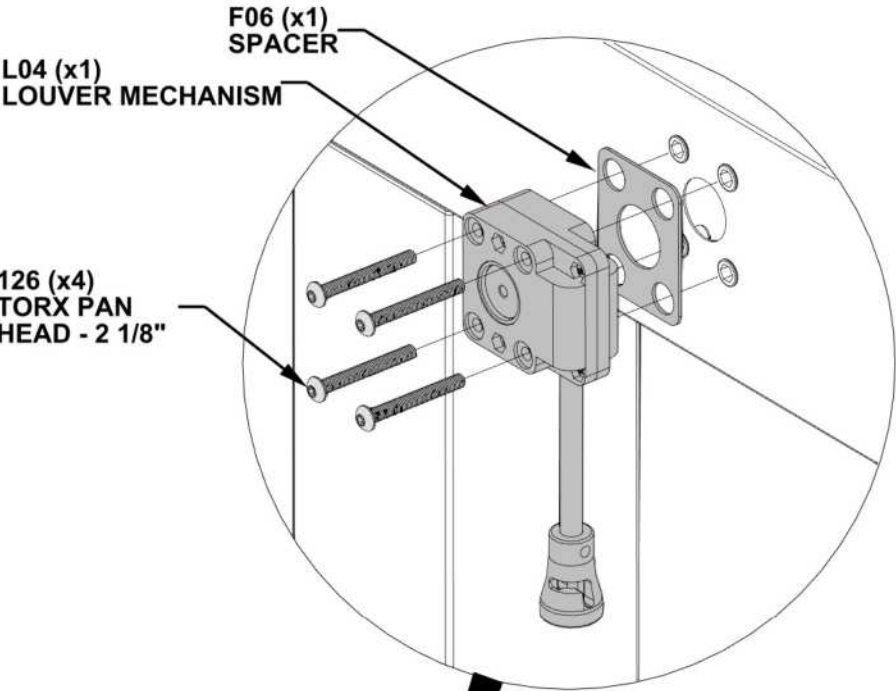
QTY	PART NUMBER	DESCRIPTION
4	H101126	TORX PAN HEAD 1/4-20x2 1/8" BLK



L04 LOUVER MECHANISM
(x1) A4M02132

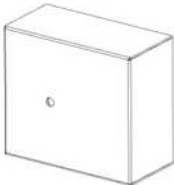


F06 SPACER - A4M02227
(x1) 1/16"x2 3/16"x2 3/4" (1.5x56x70)

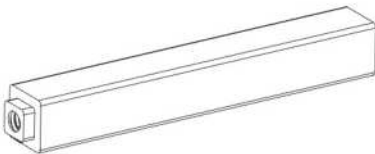


STEP 27 - LOUVER MECHANISM

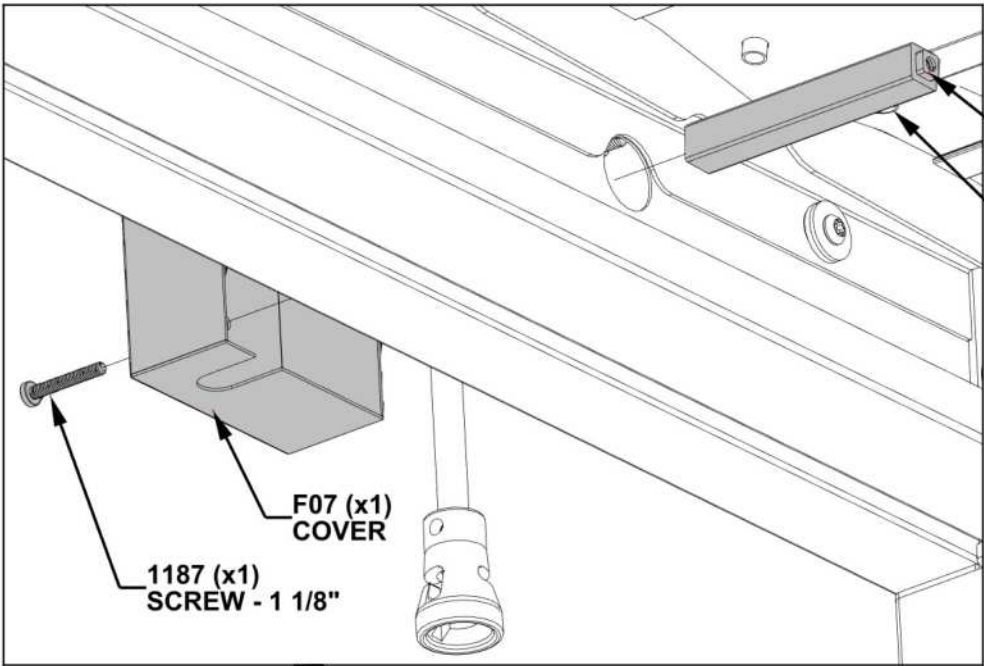
QTY	PART NUMBER	DESCRIPTION
1	H101187	BOLT PPH 8-32x1 1/8 BLK



F07 COVER - A4M02228
(x1) 1 9/16"x2 7/8"x3 1/4" (39.5x73x82)

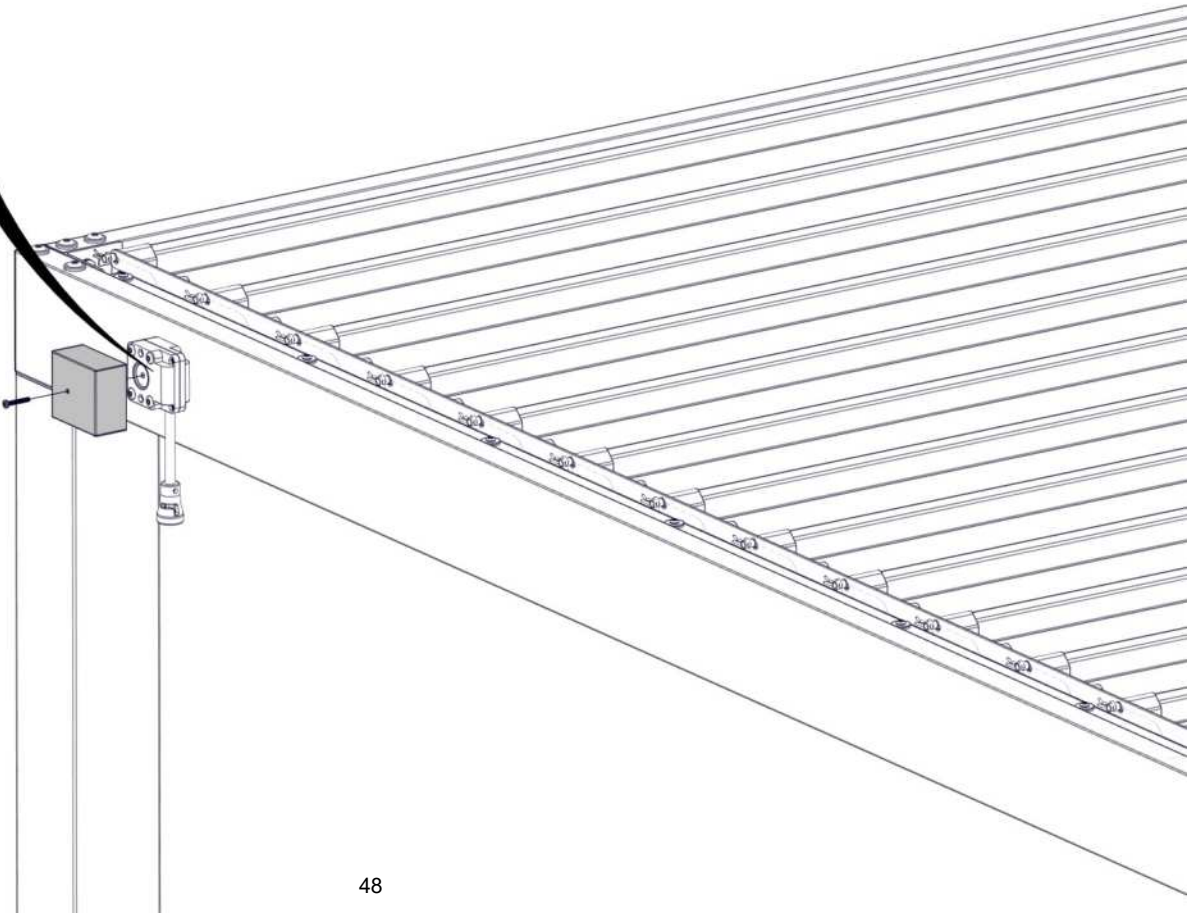


F05 KEY STOCK - A4M02226
(x1) 1/2"x1/2"x3 3/4" (13x13x95)



NOTE: ORIENTATION OF
KEY STOCK. SQUARE END
FACES OUT

F05 (x1)
KEY STOCK



STEP 28A - LOUVER MECHANISM

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

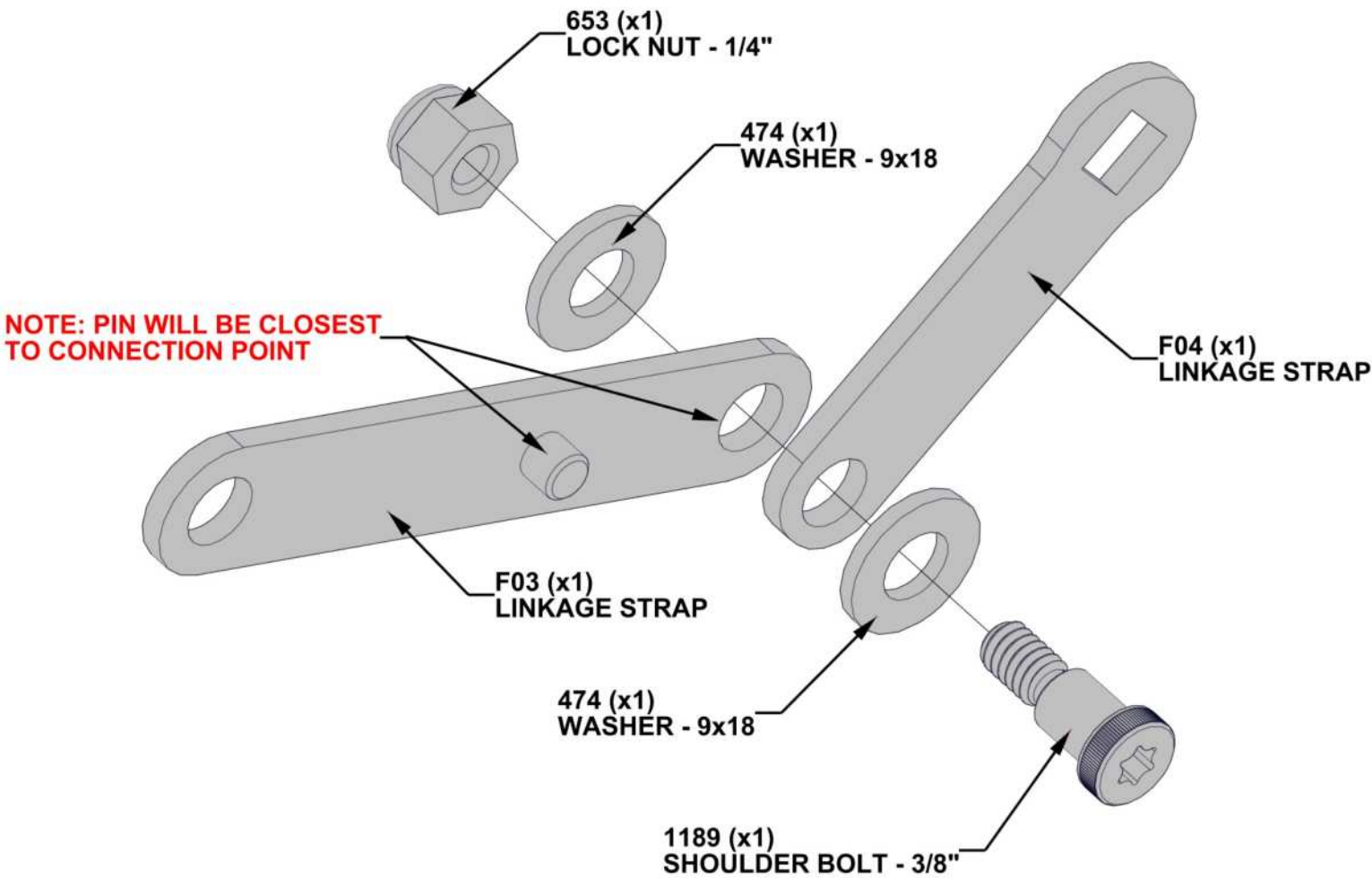


F03 LINKAGE STRAP - A4M02229
(x1) 1/2"x11/16"x3 13/16" (13x17x97)

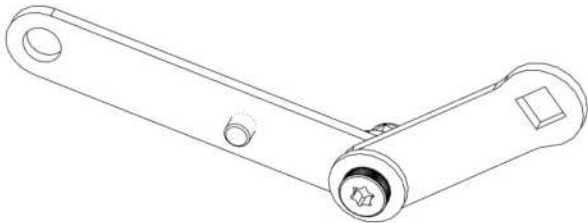


F04 LINKAGE STRAP - A4M02225
(x1) 1/8"x13/16"x2 5/8" (3x20x66)

- LINKAGE MUST BE ORIENTED AS SHOWN BELOW.
- DO NOT OVERTIGHTEN HARDWARE.
- LINKAGES SHOULD BE ABLE TO ROTATE FREELY.



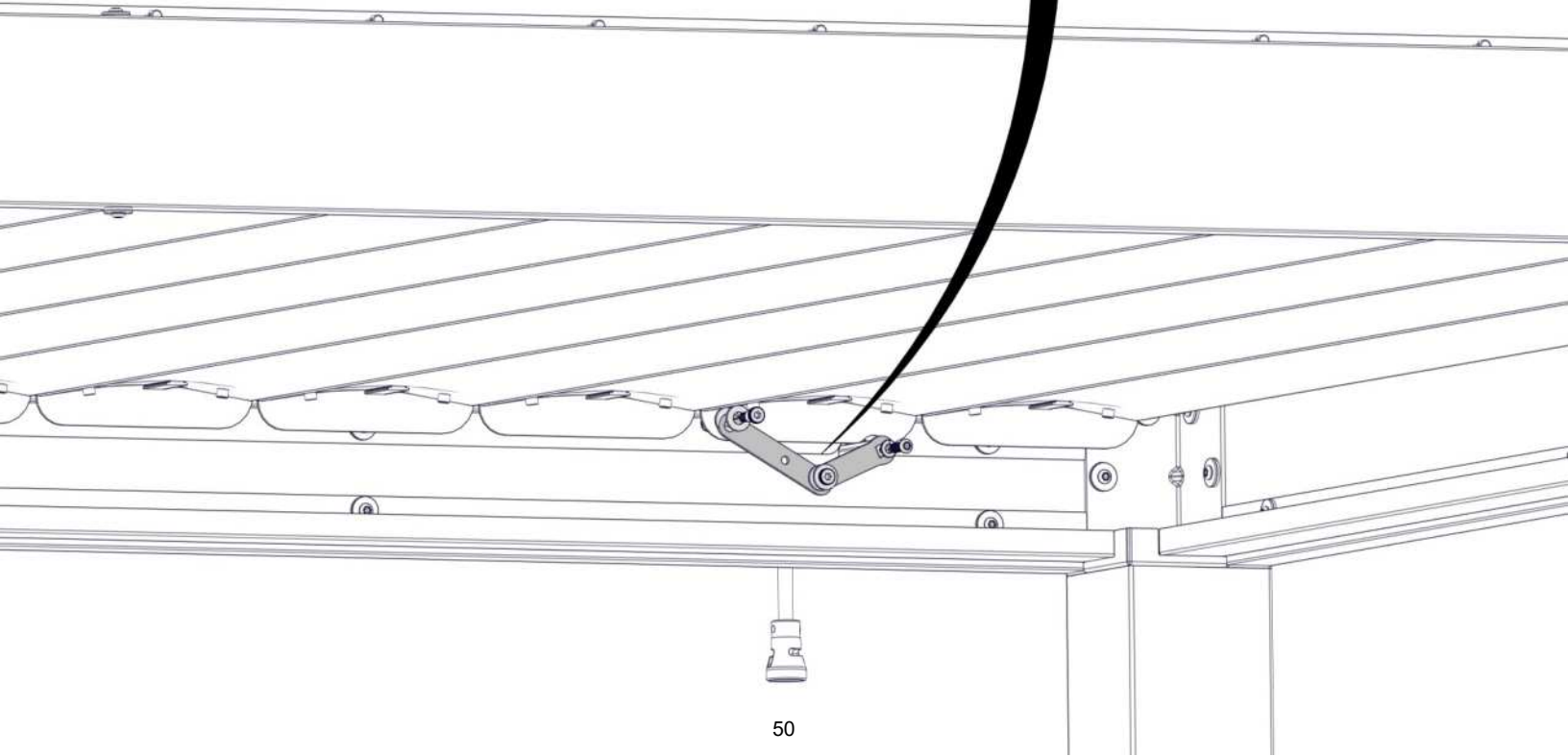
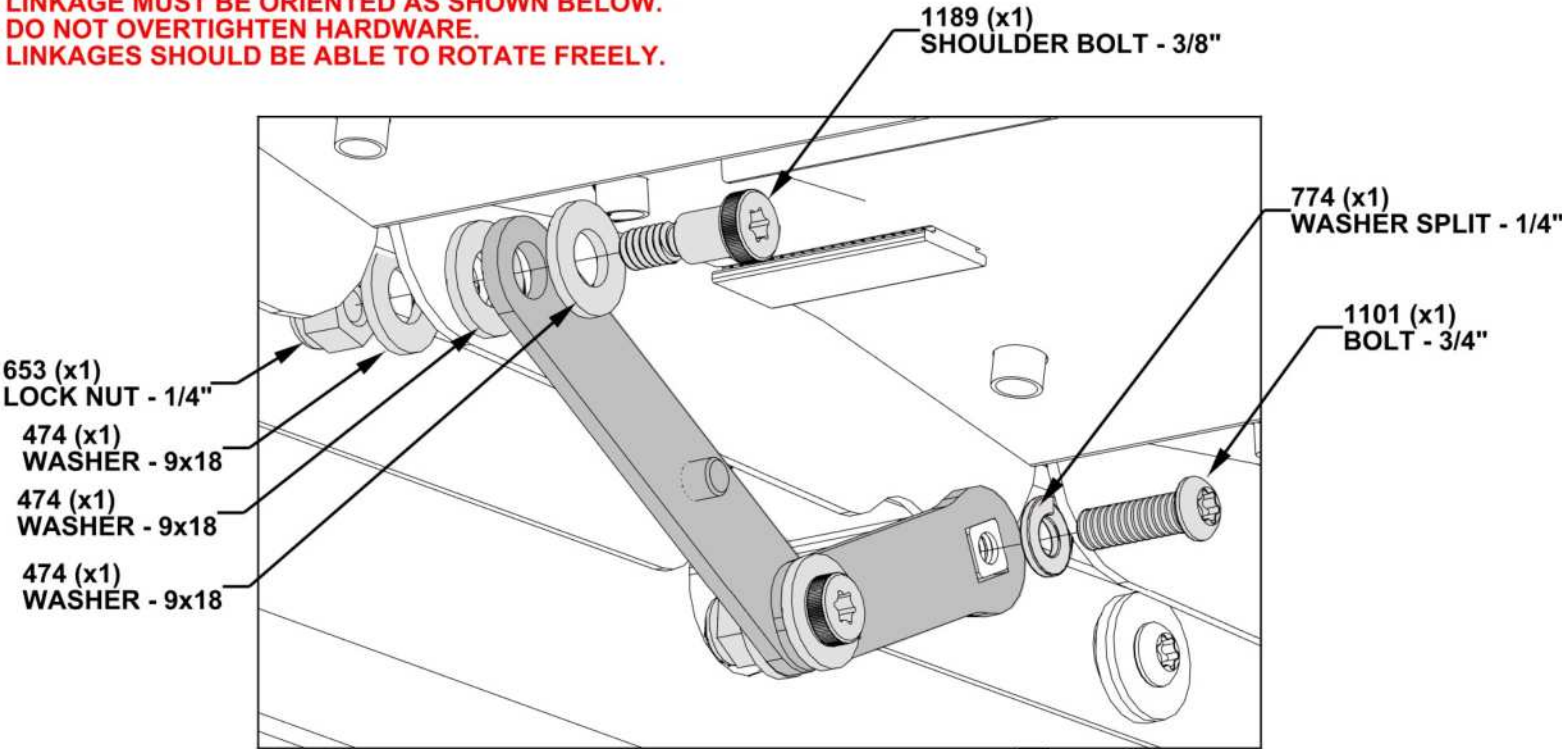
STEP 28B - LOUVER MECHANISM



LINKAGE ASSEMBLY
STEP 28A

QTY	PART NUMBER	DESCRIPTION
3	H100474	WASHER FLAT 9x18 BLK
1	H100653	NUT LOCK 1/4 BLK
1	H100774	WASHER SPLIT 1/4 BLK
1	H101101	TORX PAN HEAD 1/4-20x3/4"
1	H101189	LOW PROFILE SHOULDER BOLT 1/4-20x.375

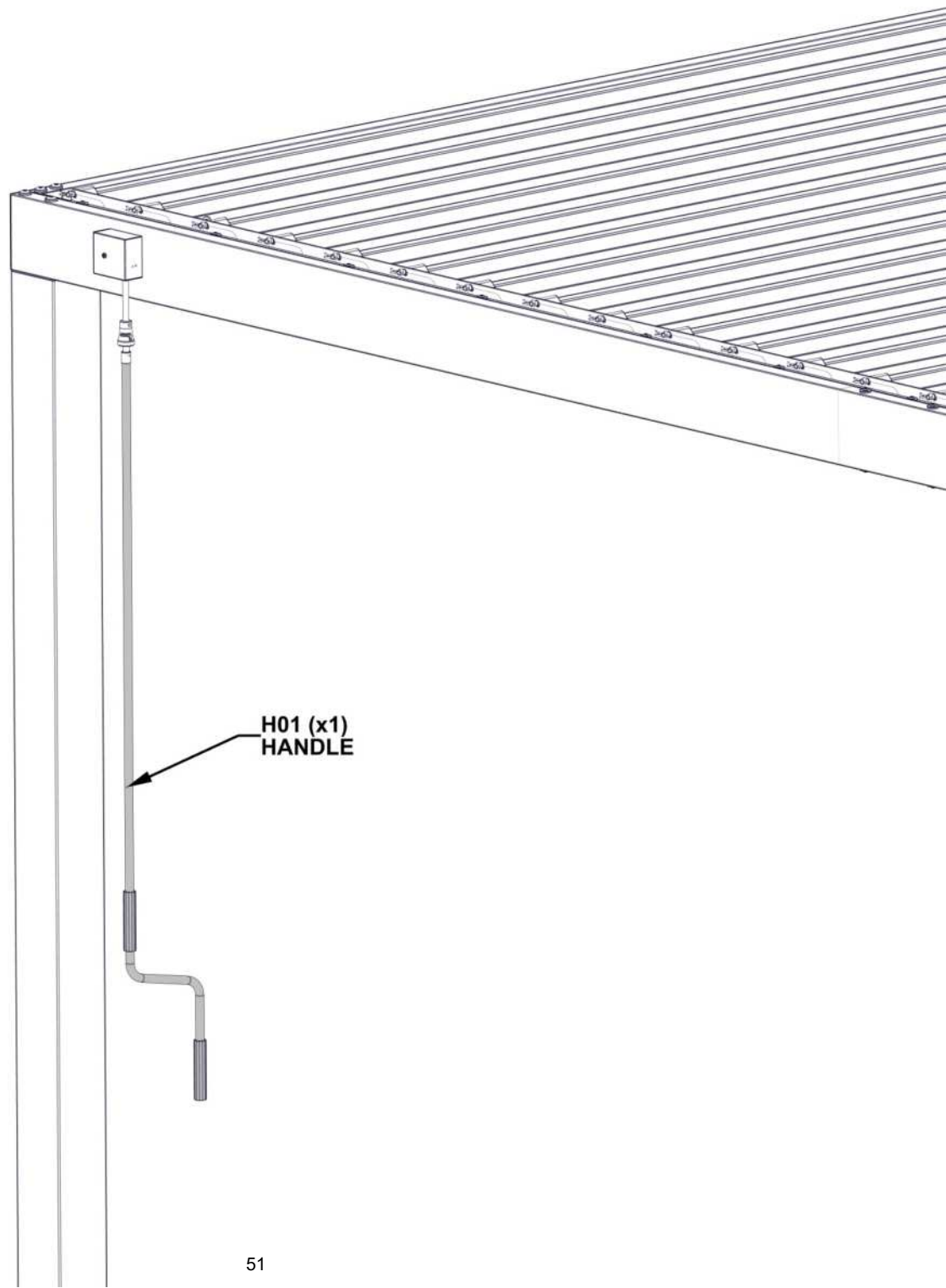
- LINKAGE MUST BE ORIENTED AS SHOWN BELOW.
- DO NOT OVERTIGHTEN HARDWARE.
- LINKAGES SHOULD BE ABLE TO ROTATE FREELY.



STEP 28C - LOUVER MECHANISM



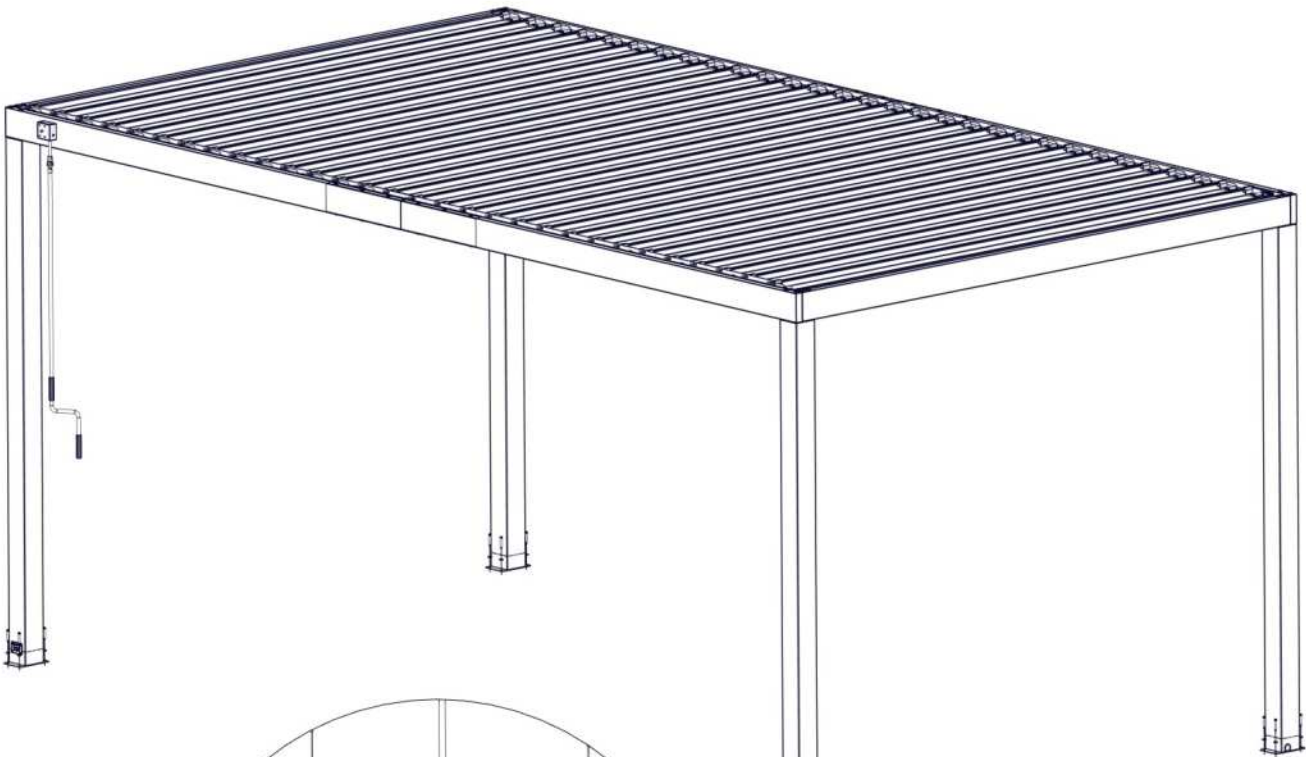
- CONNECT CRANK HANDLE TO MECHANISM.
- TURN HANDLE TO LOCK IN PLACE.



STEP 29 - PERGOLA ANCHORING

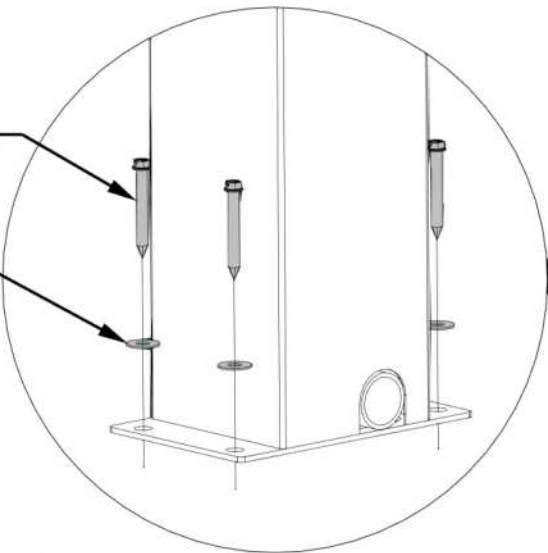
QTY	PART NUMBER	DESCRIPTION
16	H100120	CONCRETE ANCHOR 1/4"x2"
16	H100630	WASHER FLAT 8x19 BLK

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 FOUR POSTS.



120 (x16)
CONCRETE SCREW-2"

630 (x16)
WASHER - 8x19

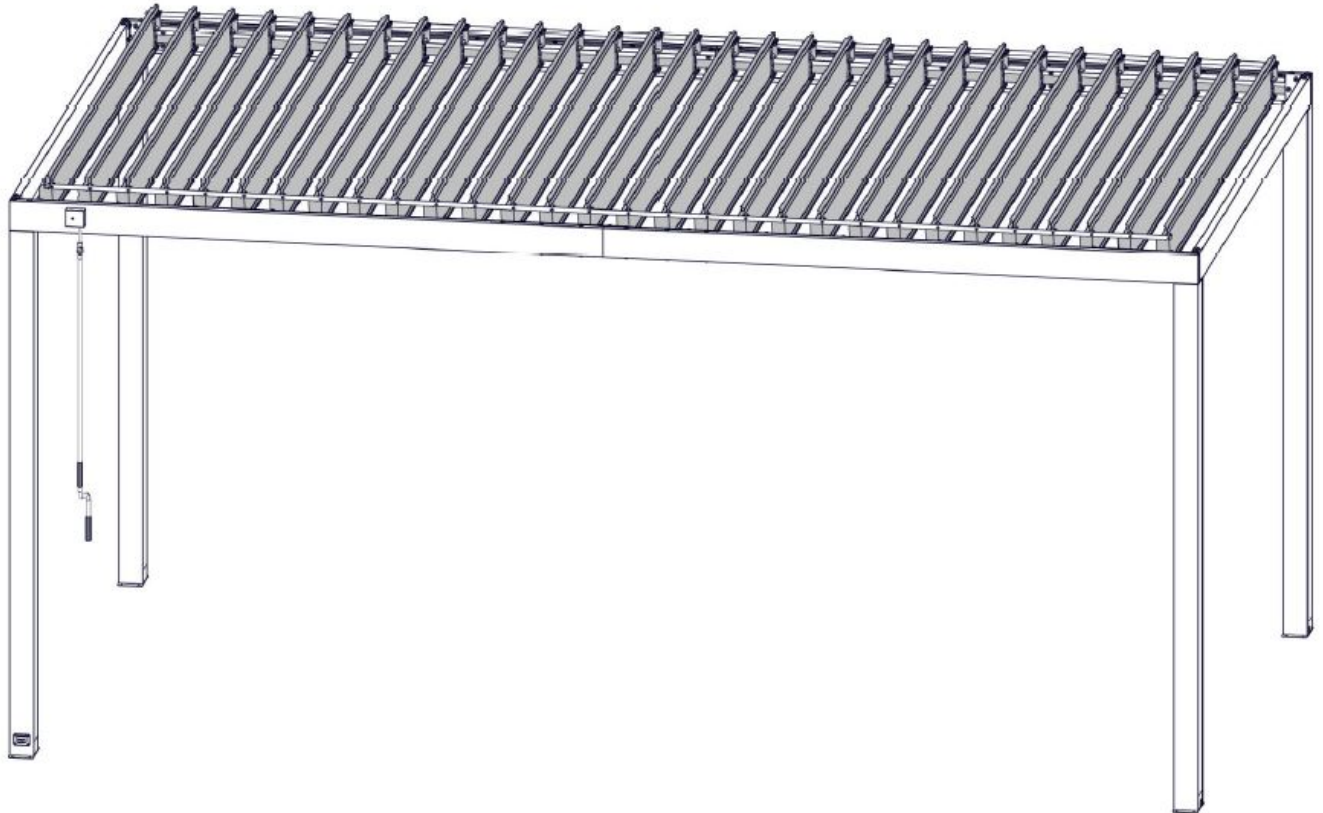


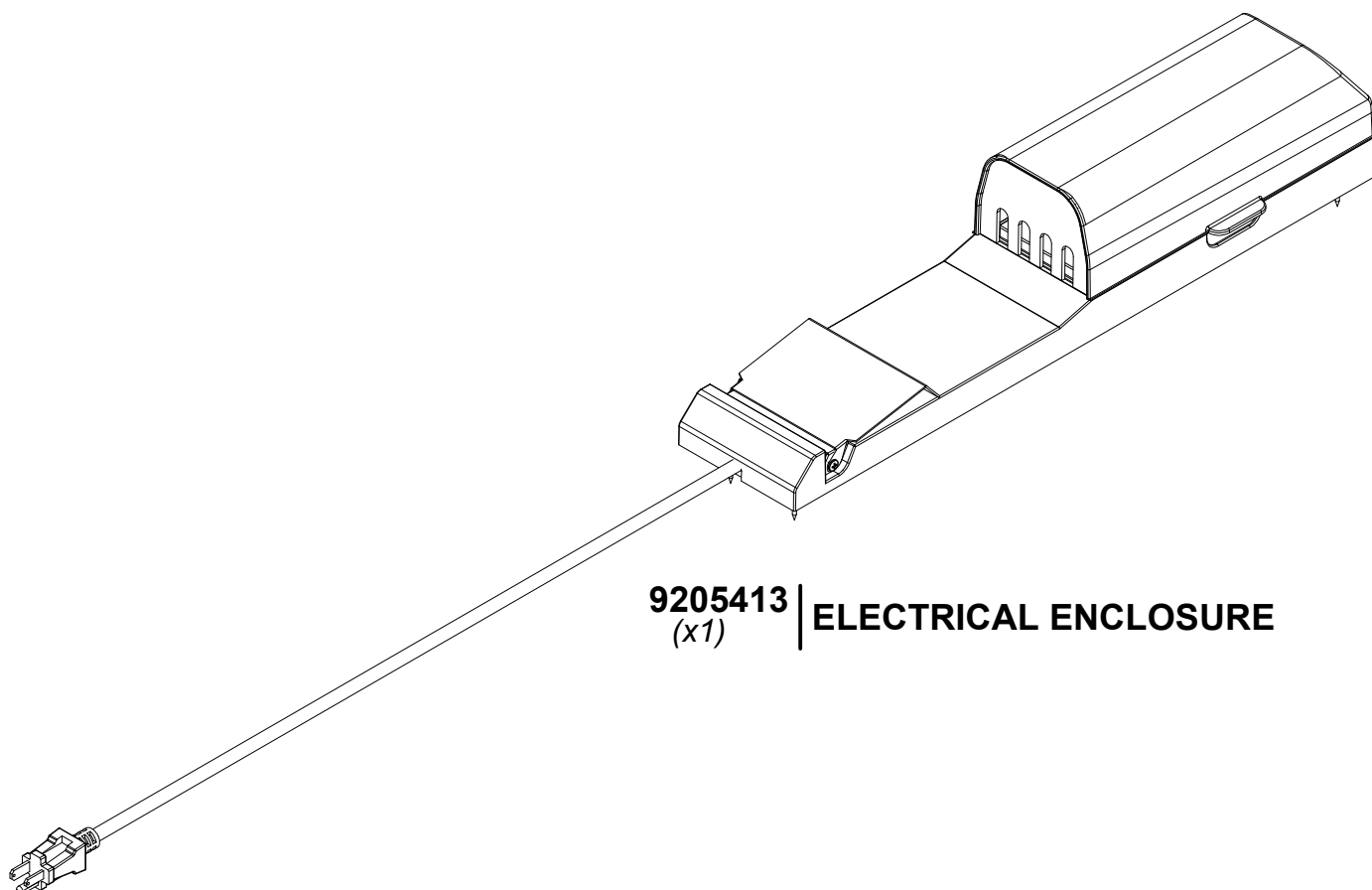
NOTES:
- PRE-DRILL HOLES FOR CONCRETE ANCHORS
USING A 3/16" [5mm] CONCRETE DRILL BIT

STEP 30 - PREVENTATIVE MAINTENANCE

IT IS IMPORTANT TO TAKE CAUTION WHEN HIGH WINDS OR WINTER WEATHER SUCH AS ICE OR SNOW IS EXPECTED.

- FOR HIGH WINDS, IT IS RECOMMENDED TO TURN LOUVERS INTO THE CLOSED POSITION
- FOR INCLEMENT WEATHER SUCH AS SNOW OR ICE, IT IS RECOMMENDED TO TURN LOUVER INTO THE FULLY OPEN (UPRIGHT) POSITION.





9205413
(x1) | **ELECTRICAL ENCLOSURE**

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.