



Manufactured by:
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800-856-4445

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12x10 EVANSTON STEEL WALL-MOUNTED LOUVERED PERGOLA

MODEL #: 2407121



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



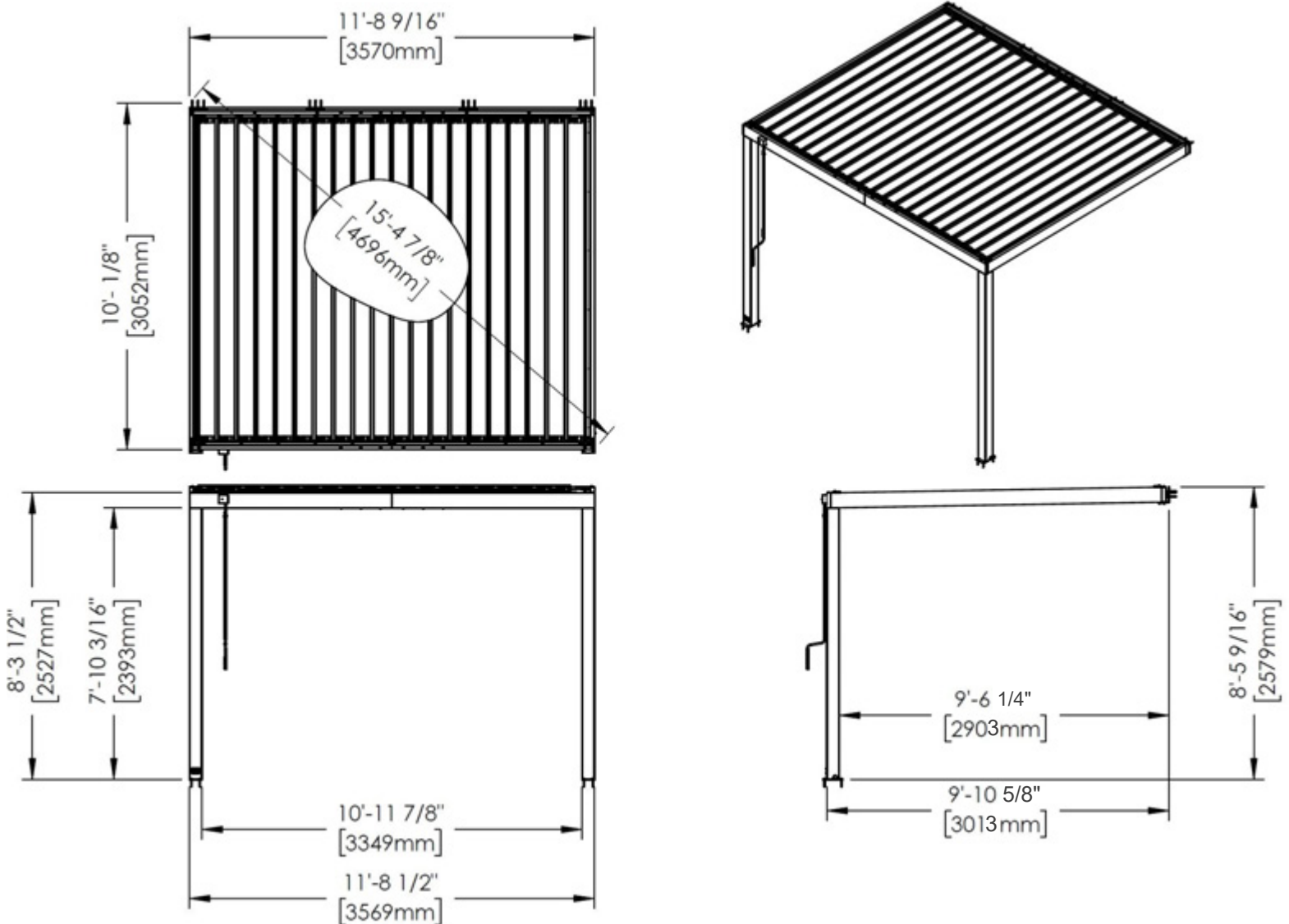
OWNER'S MANUAL - BASIC SETUP DIMENSIONS & ASSEMBLY NOTES

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

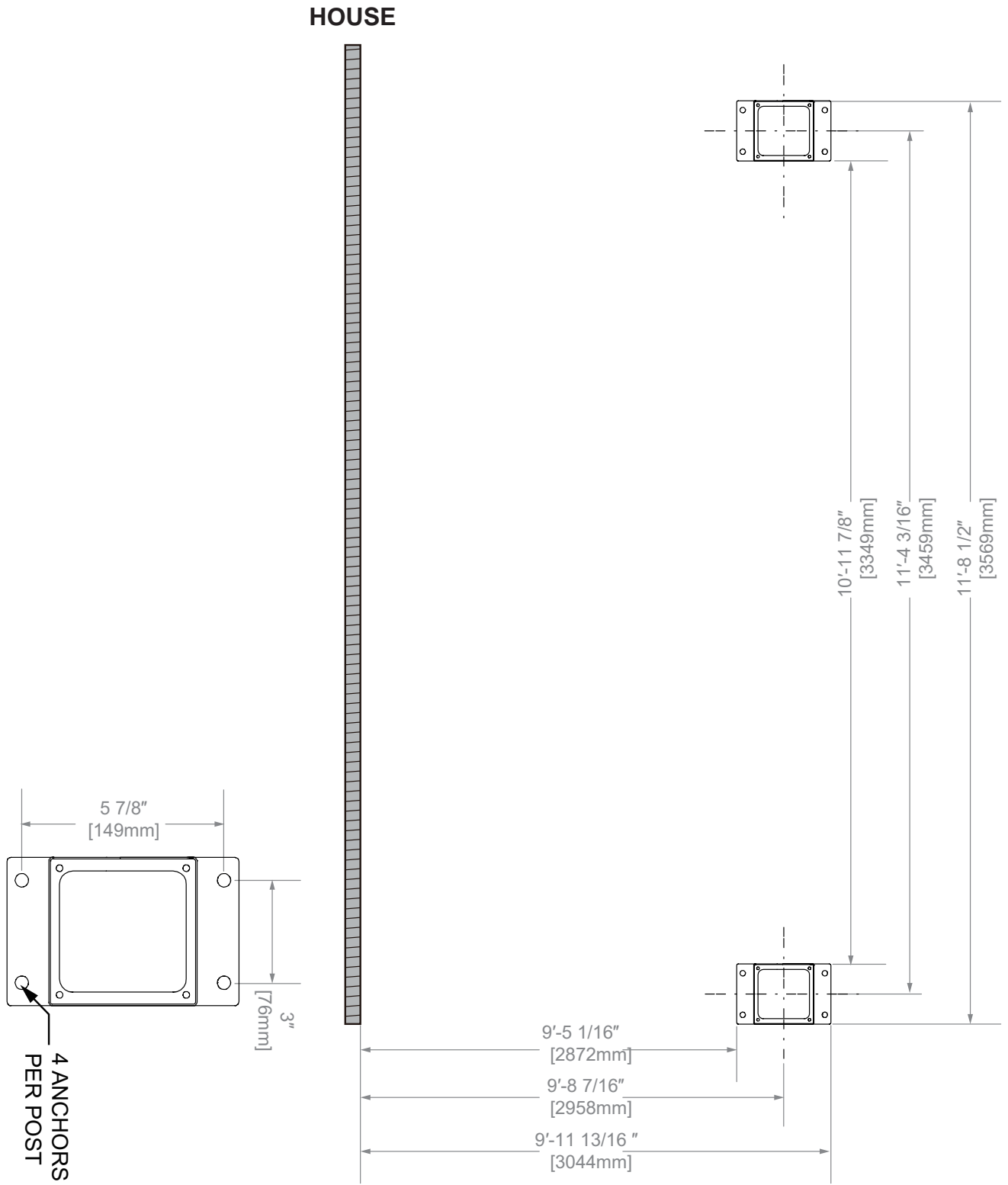
- Pay close attention to the items needed for each step. Make sure you are using the correct hardware for each step. Using incorrect hardware may result in improper assembly
- Remember to double check for underground utilities and overhead electrical lines

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 attach the structure permanently to a house 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)



B01 BEAM - A4M03480
(x1) 1 7/16"x5 1/4"x114 7/8" (36x134x2918)



B02 BEAM - A4M03479
(x1) 1 7/16"x5 1/4"x114 7/8" (36x134x2918)



B03 BEAM - A4M02862
(x1) 1 7/16"x5 1/4"x70 1/4" (36x134x1783)



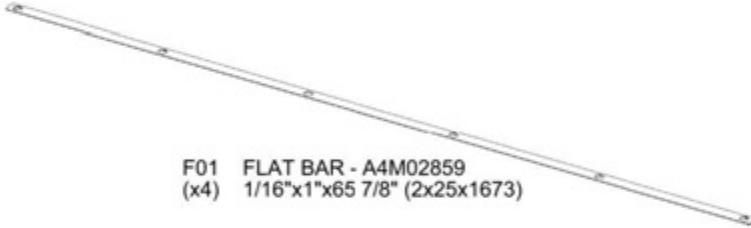
B04 BEAM - A4M02863
(x1) 1 7/16"x5 1/4"x70 1/4" (36x134x1783)



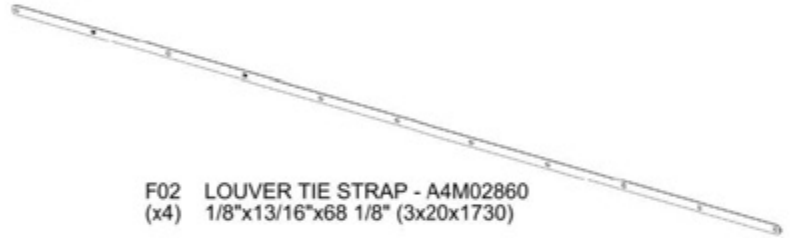
B05 BEAM - A4M04075
(x1) 1 7/16"x5 1/4"x70 1/4" (36x134x1783)



B06 BEAM - A4M04074
(x) 1 7/16"x5 1/4"x70 1/4" (36x134x1783)



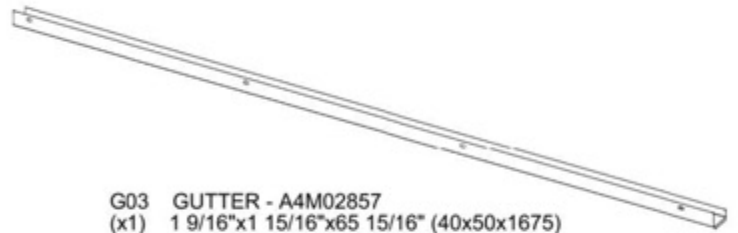
F01 FLAT BAR - A4M02859
(x4) 1/16"x1"x65 7/8" (2x25x1673)



F02 LOUVER TIE STRAP - A4M02860
(x4) 1/8"x13/16"x68 1/8" (3x20x1730)



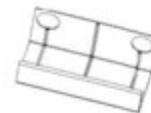
G01 GUTTER - A4M03478
(x1) 1 9/16"x1 15/16"x111 13/16" (40x50x2833)



G03 GUTTER - A4M02857
(x1) 1 9/16"x1 15/16"x65 15/16" (40x50x1675)



G04 GUTTER - A4M02858
(x1) 1 9/16"x1 15/16"x65 15/16" (40x50x1675)



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

OWNER'S MANUAL - PARTS IDENTIFICATION

METAL COMPONENTS (NOT TO SCALE)



G02 GUTTER - A4M03481
(x1) 19/16"x1 15/16"x111 13/16" (40x50x2838)



H01 HANDLE - A4M04022
(x1)



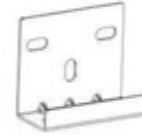
J1 SPLICE BRACKET - A4M02230
(x1) 1 5/16"x5 3/16"x39 3/8" (33.2x131.2x1000)



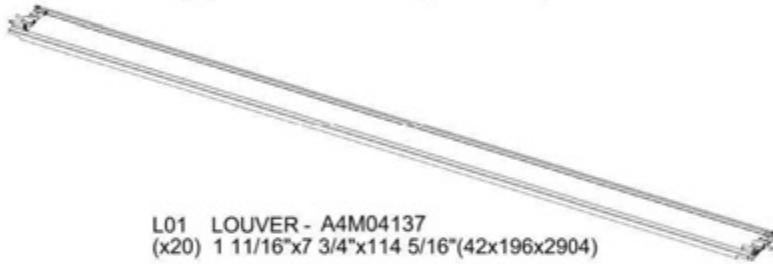
K1 WEATHER STRIP - A6P01107
(x1) 1/16"x3 15/16"x140 9/16" (1.6x100x3428)



K04 CORNER WALL BRACKET - A4M03483
(x2) 3 15/16"x5 1/8"x6" (99x131x152)



K03 CENTER WALL BRACKET - A4M03482
(x2) 2 11/16"x5 3/16"x6" (69x131x152)



L01 LOUVER - A4M04137
(x20) 1 11/16"x7 3/4"x114 5/16" (42x196x2904)



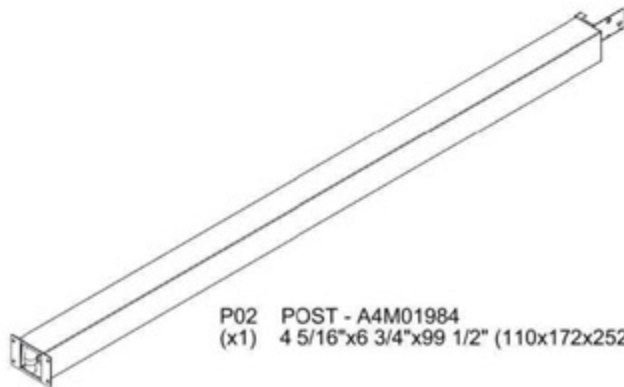
M01 LOUVER MOUNT - A4M02864
(x2) 1"x1 15/16"x65 7/8" (25x49x1673)



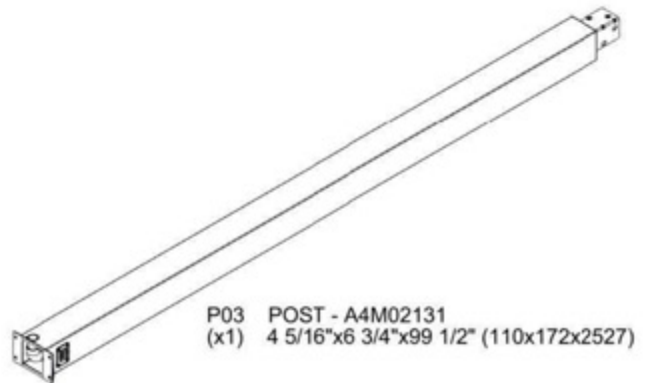
M02 LOUVER MOUNT - A4M02865
(x1) 1"x1 15/16"x65 7/8" (25x49x1673)



M03 LOUVER MOUNT - A4M02866
(x1) 1"x1 15/16"x65 7/8" (25x49x1673)



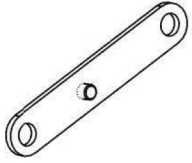
P02 POST - A4M01984
(x1) 4 5/16"x6 3/4"x99 1/2" (110x172x2527)



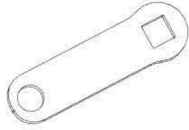
P03 POST - A4M02131
(x1) 4 5/16"x6 3/4"x99 1/2" (110x172x2527)

OWNER'S MANUAL - PARTS IDENTIFICATION

METAL COMPONENTS (NOT TO SCALE)



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)



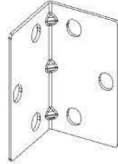
F05 LOUVER DRIVE AXLE - A4M02226
(x1) 1/2"x1/2"x3 3/4" (13.0x13.0x95)



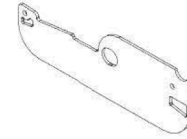
F06 SPACER - A4M02227
(x1) 1/16"x2 3/16"x2 3/4" (1.5x56x70)



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



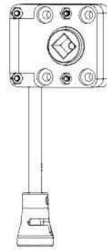
CB01 POST BRACKET - A4M04063
(x2) 2 15/16"x2 15/16"x5 1/4" (74.5x74.5x134)



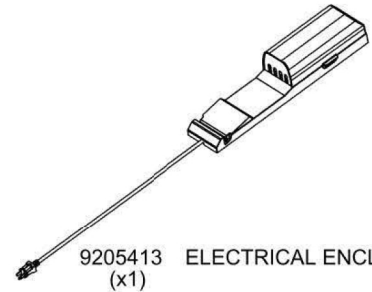
L03 LOUVER SIDE PLATE - A4M04138
(x39) 1/16"x2 3/16"x6 9/16" (2x55x167)



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



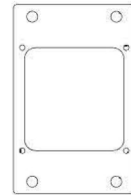
L04 LOUVER MECHANISM - A4M02132
(x1)



9205413 ELECTRICAL ENCLOSURE
(x1)



A6P00796 SILICONE
(x1)



4024 SHIM - A4M04024
(x4) 1/8"x4 3/8"x6 3/4" (3x110x172)



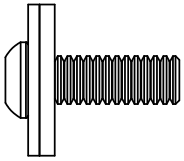
T01 TEMPLATE - W4L20785
(x1) 1/8"x5 1/2"x70 1/4" (3x140x1784)



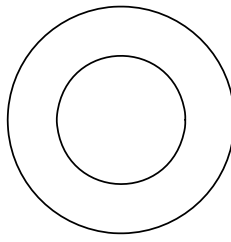
T02 TEMPLATE - W4L20786
(x1) 1/8"x5 1/2"x71 1/4" (3x140x1809)

OWNER'S MANUAL - PARTS IDENTIFICATION

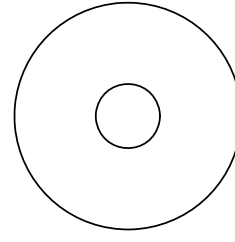
Hardware Components



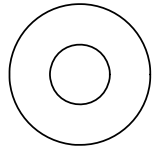
H101202 TORX PAN HEAD 1/4-20x3/4 ASSY
(x114) 1/4-20x3/4 ASSY



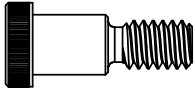
H100497 WASHER FLAT BLK
(x12) 17x30



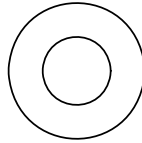
H101316 WASHER FLAT B LK
(x10) 8.5X30



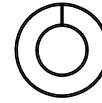
H100630 WASHER FLAT BLK
(x8) 8x19



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



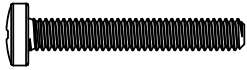
H100474 WASHER FLAT BLK
(x5) 9x18



H100774 WASHER SPLIT BLK
(x1) 1/4



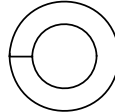
H100653 NUT LOCK BLK
(x2) 1/4



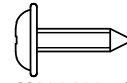
H101187 BOLT PPH BLK
(x1) 8-32x1 1/8



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



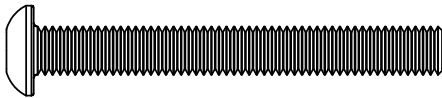
H100477 WASHER SPLIT BLK
(x10) 5/16



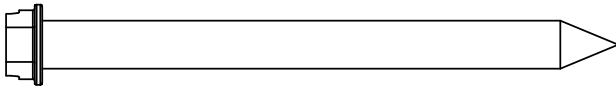
H100408 SCREW PWH BLK
(x80) 8x1/2



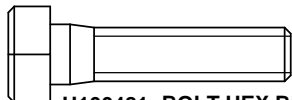
H101161 COTTER PIN
(x40)



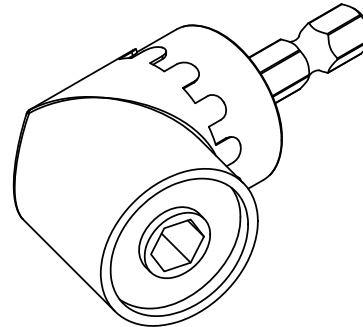
H101126 TORX PAN HEAD BLK
(x4) 1/4-20x2 1/8"



H101305 CONCRETE ANCHOR 1/4"x3"
(x8) 1/4x3



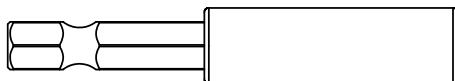
H100481 BOLT HEX BLK
(x10) 5/16x1 1/4



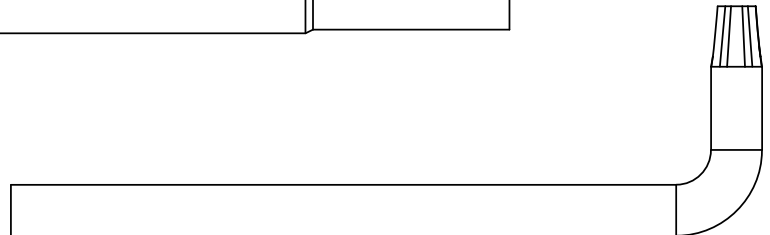
H101114 RIGHT ANGLE DRILL ADAPTER
(x1)



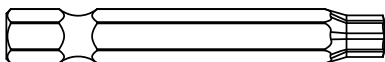
H101230 BOLT WH S.S.
(x8) 5/16x6



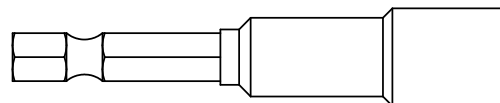
H101100 MAGNETIC DRIVER
(x1)



H100114 TORX WRENCH
(x1) T-30



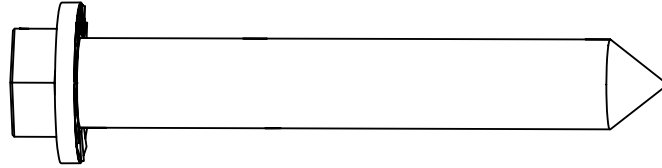
H100147 TORX BIT
(x1) T-30



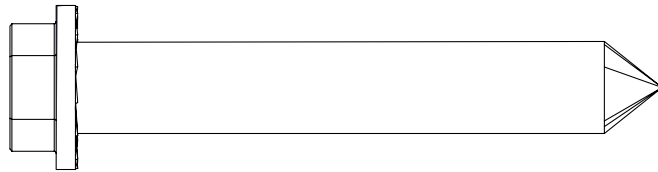
H101106 SOCKET DRIVER
(x1)

OWNER'S MANUAL - PARTS IDENTIFICATION

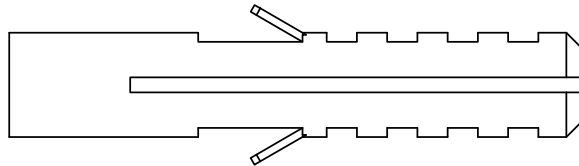
Hardware Components



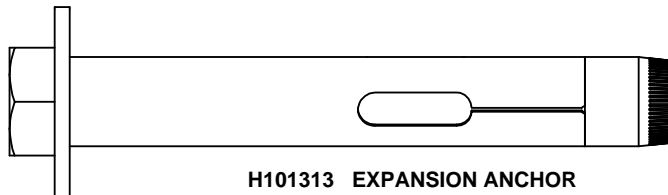
H101165 CONCRETE ANCHOR 3/8"x3" BLK
(x12) 3/8x3



H101310 LAG HEX BLK
(x12) 3/8x3



H101311 PLASTIC ANCHOR
(x12) 3/8



H101313 EXPANSION ANCHOR
(x12)

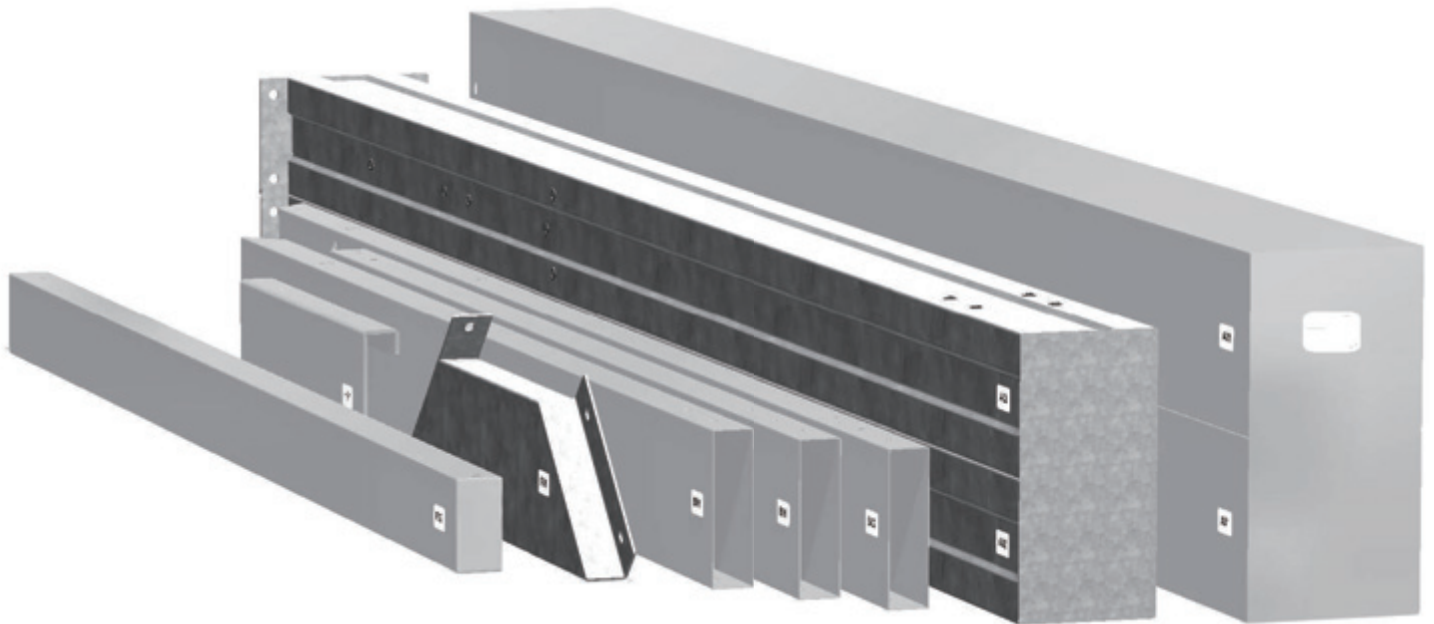
PRE-ASSEMBLY STEP 1 - SORTING PARTS

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 (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



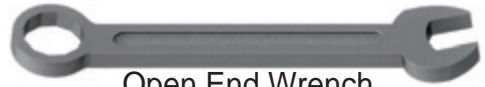
Drill Attachments:
Phillips Head



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



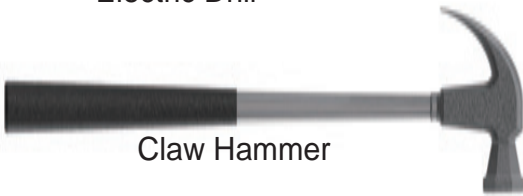
Phillips Screw Driver



Open End Wrench
7/16"



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



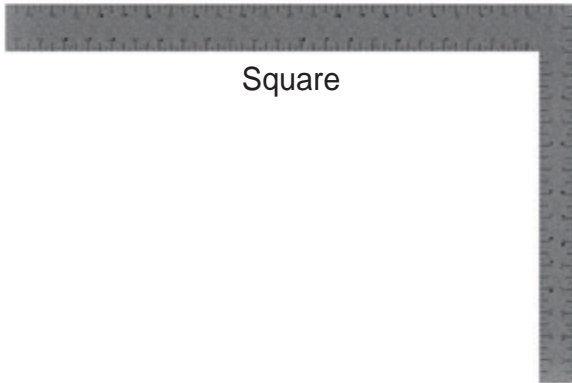
Claw Hammer



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)



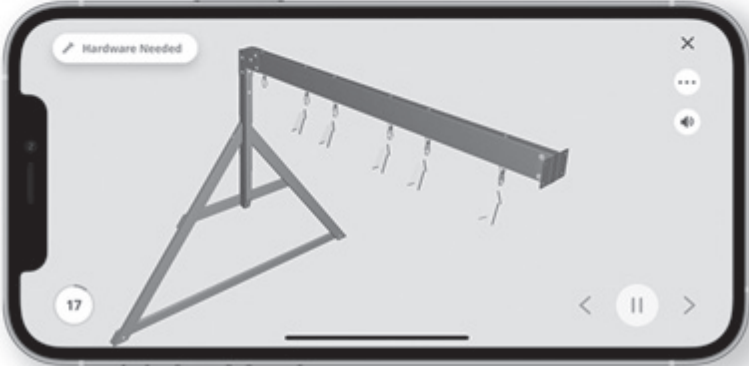
BILT.[®]

Scan for easy
3D instructions

Download the BILT app
before you begin

Download on the
App Store

GET IT ON
Google Play



Hardware Needed

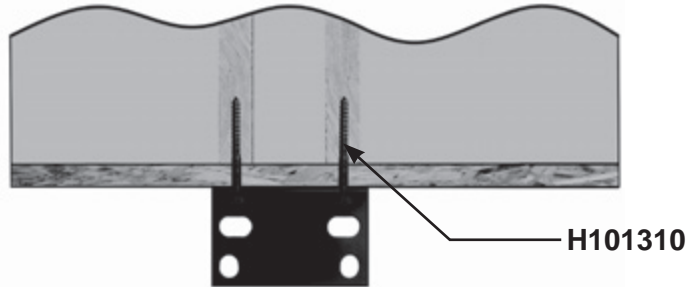
17

< || >

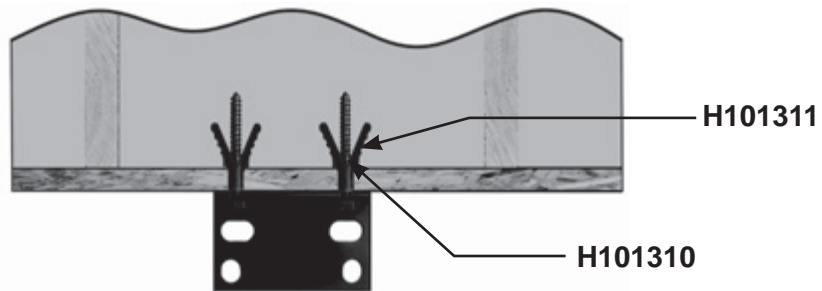
The image is a promotional graphic for the BILT app. It features the BILT logo at the top left, a QR code at the top right, and a smartphone at the bottom showing a 3D assembly instruction. The text 'Scan for easy 3D instructions' is prominently displayed in the center. Below the QR code are buttons for downloading the app from the App Store and Google Play. The smartphone screen shows a 3D model of a structure with a horizontal beam and a triangular support, with a 'Hardware Needed' label and a step number '17'.

OWNER'S MANUAL - WALL ATTACHMENT TYPES

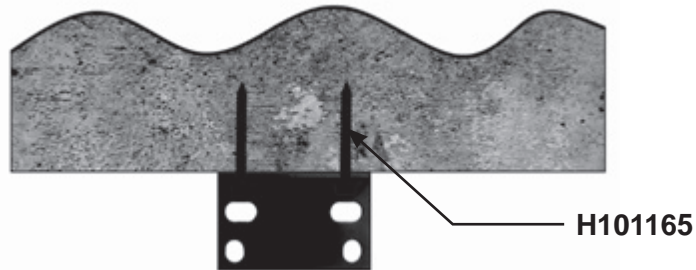
Determine which wall attachment type works best for your application. If unknown consult a licensed contractor. The recommended hardware below is provided. Backyard Discovery does not assume responsibility for any damages to your house.



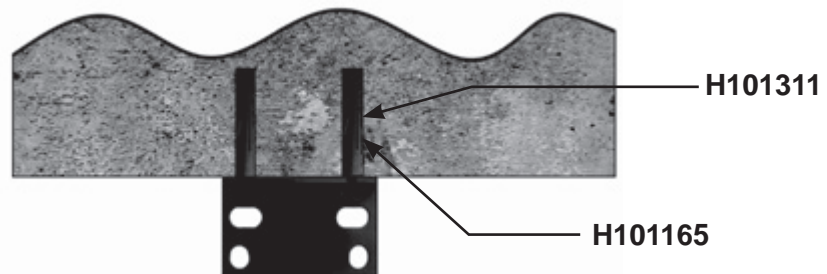
ATTACHING TO WALL WITH LAG SCREWS



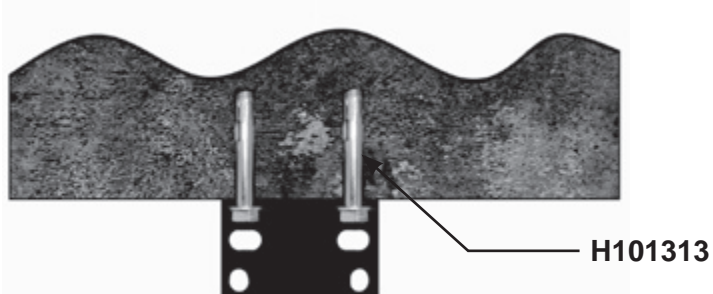
ATTACHING TO WALL WITH LAGS USING PLASTIC ANCHORS



ATTACHING TO MASONRY WITH CONCRETE ANCHORS



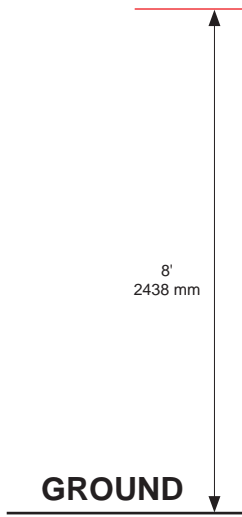
ATTACHING TO MASONRY WITH CONCRETE ANCHORS USING PLASTIC ANCHORS



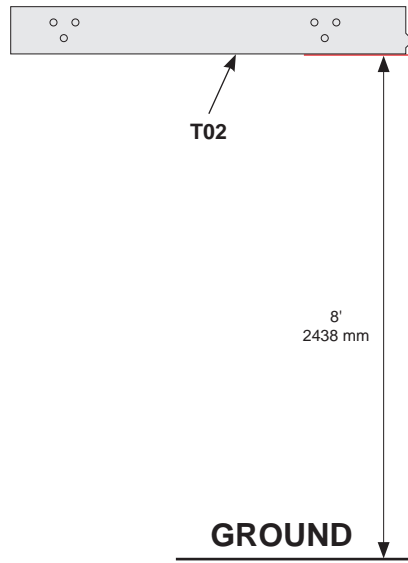
ATTACHING TO MASONRY WITH EXPANSION ANCHORS

STEP 1 - WALL BRACKET LOCATION LAYOUT

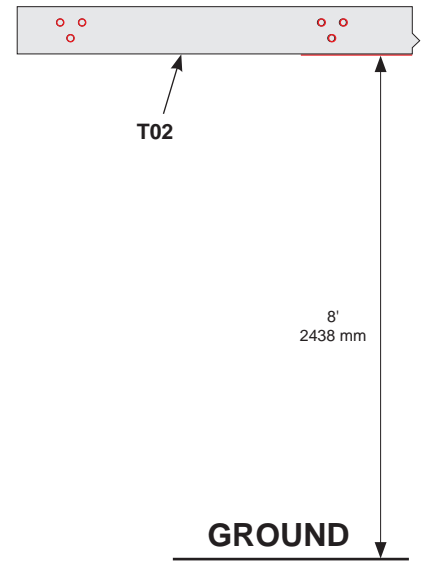
1. DRAW A STRAIGHT LINE 8' [2438mm] OFF THE GROUND.



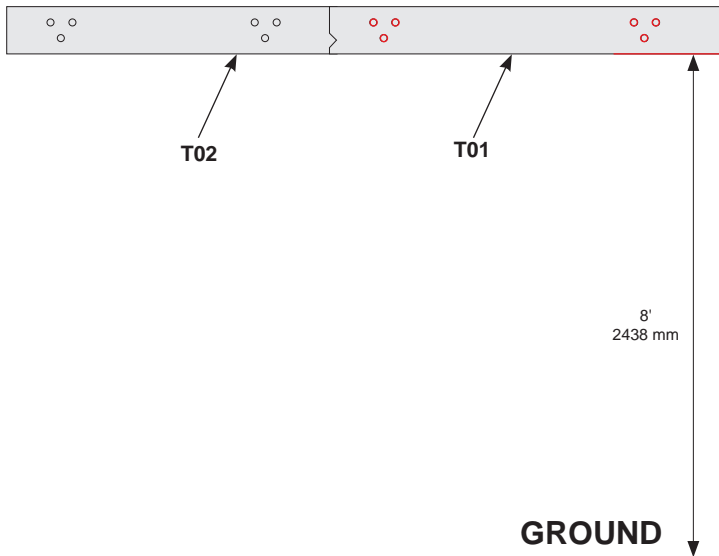
2. ALIGN THE BOTTOM OF T02 WITH THE STRAIGHT LINE AND KEEP IT LEVEL BY USING A 24" LEVEL.



3. DRAW 6 CIRCLES ACCORDING TO HOLES IN T02.



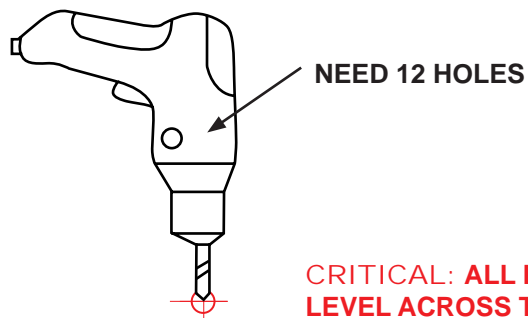
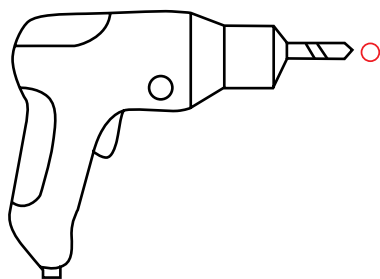
4. ALIGN T01 WITH T02 AND KEEP T01 LEVEL BY USING A 24" LEVEL.



5. DRAW 6 CIRCLES ACCORDING TO HOLES IN T01.

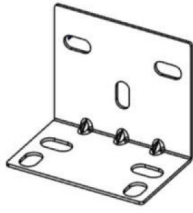


6. DRILL INTO THE WALL AT THE CENTER OF EACH CIRCLE. DRILL SIZE DETAILS ARE OUTLINED IN STEP 2A-E, DEPENDING ON WHAT ANCHORS YOU ARE USING.

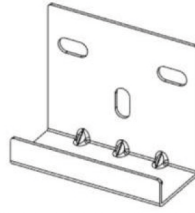


CRITICAL: ALL HOLES MUST BE LEVEL ACROSS THE 4 BRACKETS.

STEP 2A - WALL BRACKET INSTALLATION USING CONCRETE ANCHORS



K04 CORNER WALL BRACKET - A4M03483
(x2) 3 15/16"x5 1/8"x6" (99x131x152)

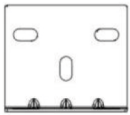


K03 CENTER WALL BRACKET - A4M03482
(x2) 2 11/16"x5 3/16"x6" (69x131x152)

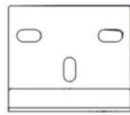
Qty	PartNo	Description
12	H100497	WASHER FLAT 17x30 BLK
12	H101165	CONCRETE ANCHOR 3/8x3" BLK

- DRILL (12) 5/16" [8mm] HOLES IN THE WALL ACCORDING TO LAYOUT IN STEP 1.
- INSTALL WALL BRACKETS WITH CONCRETE ANCHORS.
- THE INSTALLATION HEIGHT OF WALL BRACKETS WILL BE A LITTLE HIGHER THAN THE HEIGHT OF P02 (POST), SO THE TOP HAS A SLIGHT ANGLE TO FACILITATE DRAINAGE.
- REPEAT THIS STEP TWO TIMES

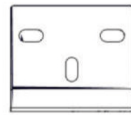
BRACKET LAYOUT



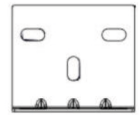
K04



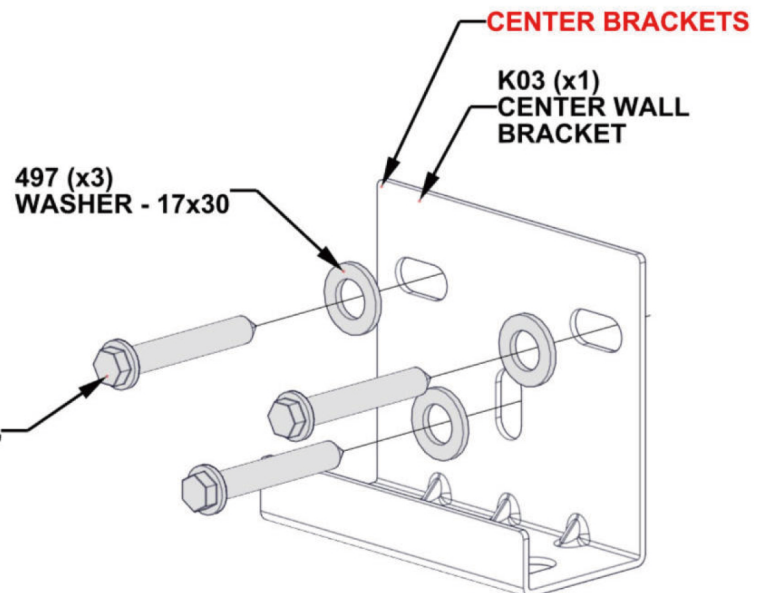
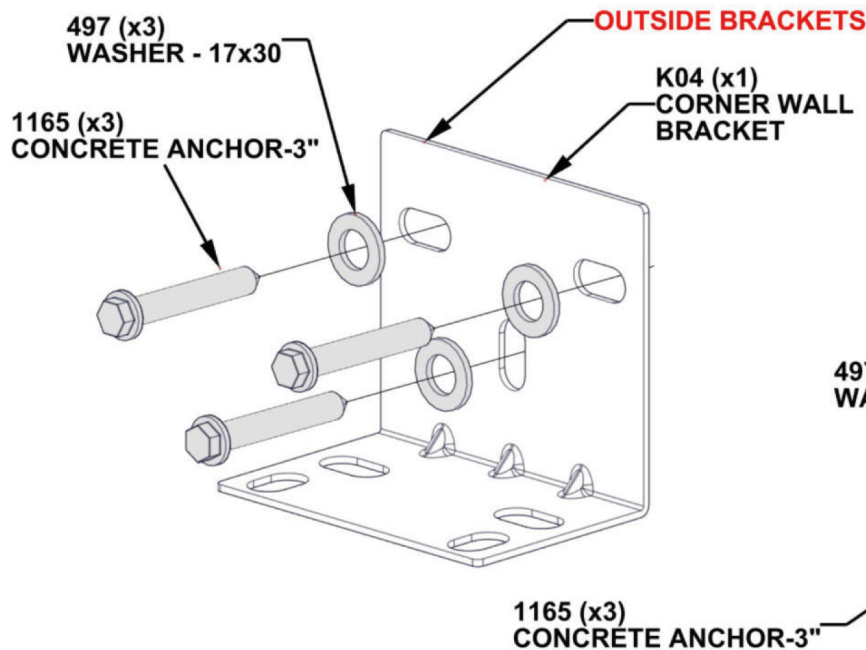
K03



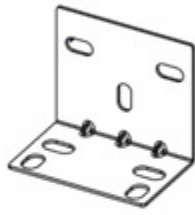
K03



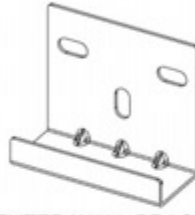
K04



STEP 2B - WALL BRACKET INSTALLATION USING CONCRETE ANCHORS WITH PLASTIC ANCHORS



K04 CORNER WALL BRACKET - A4M03483
(x2) 3 15/16"x5 1/8"x6" (99x131x152)

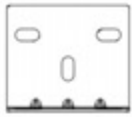


K03 CENTER WALL BRACKET - A4M03482
(x2) 2 11/16"x5 3/16"x6" (69x131x152)

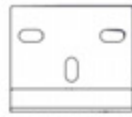
Qty	PartNo	Description
12	H100497	WASHER FLAT 17x30 BLK
12	H101165	CONCRETE ANCHOR 3/8x3" BLK
12	H101311	PLASTIC ANCHOR 3/8x3

- DRILL (12) 1/2" [12mm] HOLES IN THE WALL ACCORDING TO LAYOUT IN STEP 1.
- INSTALL WALL BRACKETS WITH CONCRETE ANCHORS AND PLASTIC ANCHORS.
- THE INSTALLATION HEIGHT OF WALL BRACKETS WILL BE A LITTLE HIGHER THAN THE HEIGHT OF P02 (POST), SO THE TOP HAS A SLIGHT ANGLE TO FACILITATE DRAINAGE.
- REPEAT THIS STEP TWO TIMES

BRACKET LAYOUT



K04



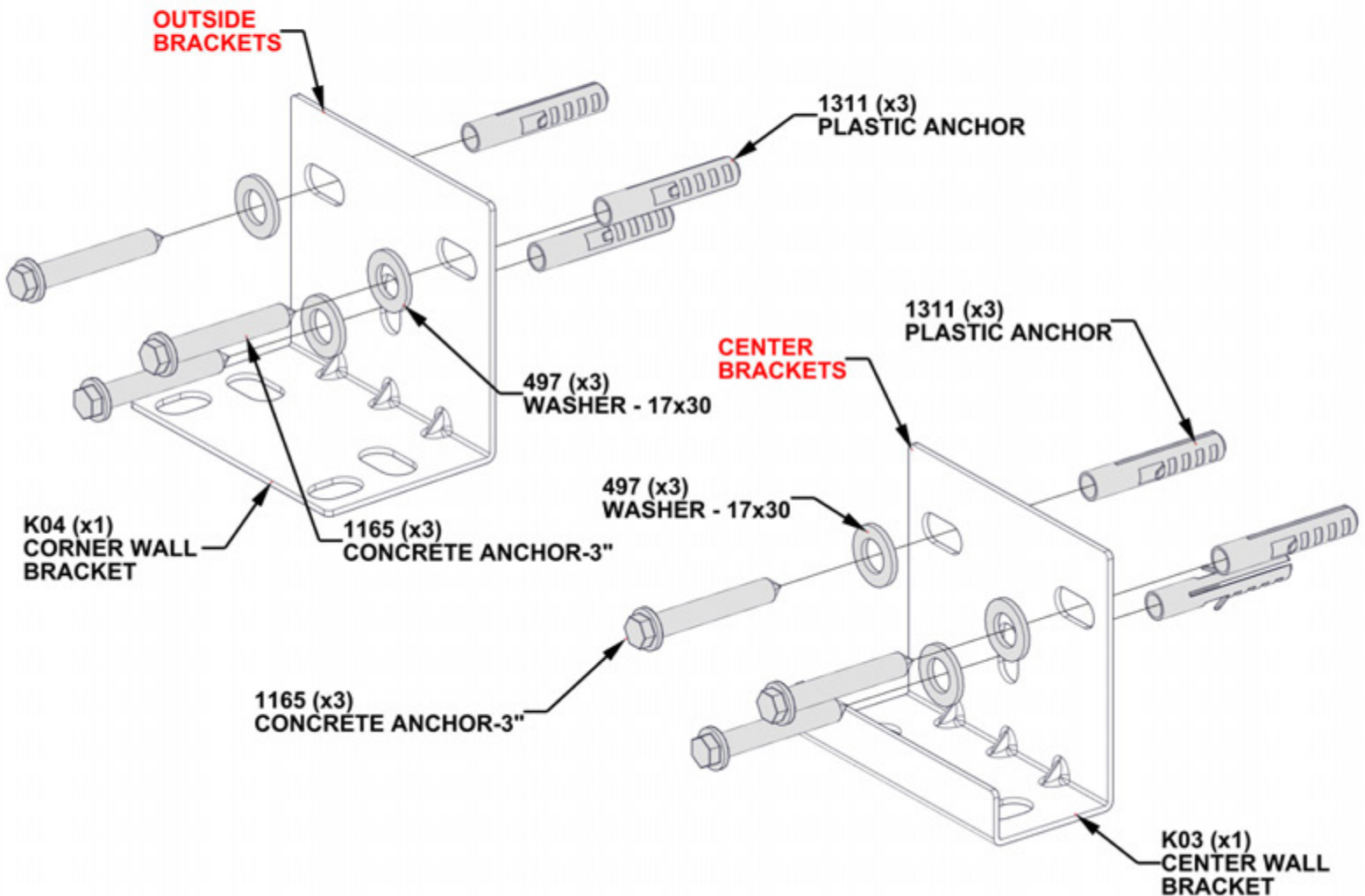
K03



K03

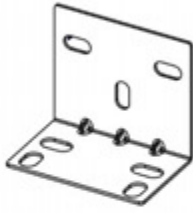


K04

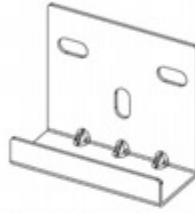


STEP 2C - WALL BRACKET INSTALLATION USING LAG SCREWS

Qty	PartNo	Description
12	H100497	WASHER FLAT 17x30 BLK
12	H101310	LAG BOLT HEX 3/8 X 3 BLK



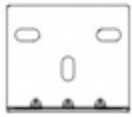
K04 CORNER WALL BRACKET - A4M03483
(x2) 3 15/16"x5 1/8"x6" (99x131x152)



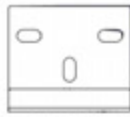
K03 CENTER WALL BRACKET - A4M03482
(x2) 2 11/16"x5 3/16"x6" (69x131x152)

- DRILL (12) 1/4" [7mm] HOLES IN THE WALL ACCORDING TO LAYOUT IN STEP 1.
- INSTALL WALL BRACKETS WITH LAG SCREWS.
- THE INSTALLATION HEIGHT OF WALL BRACKETS WILL BE A LITTLE HIGHER THAN THE HEIGHT OF P02 (POST), SO THE TOP HAS A SLIGHT ANGLE TO FACILITATE DRAINAGE.
- REPEAT THIS STEP TWO TIMES

BRACKET LAYOUT



K04



K03

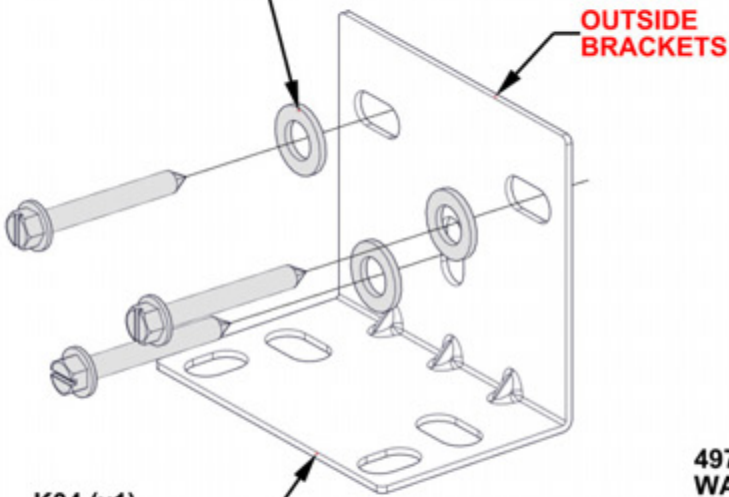


K03

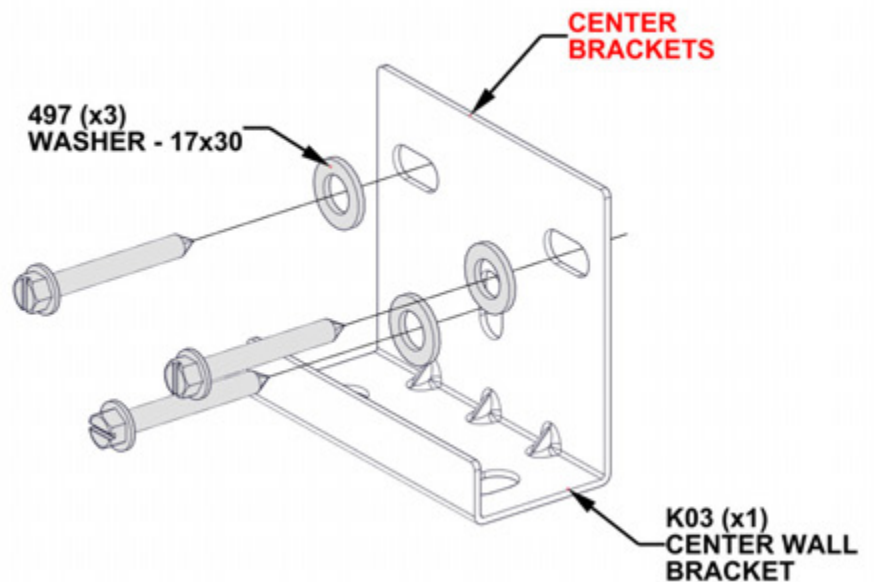


K04

497 (x3)
WASHER - 17x30



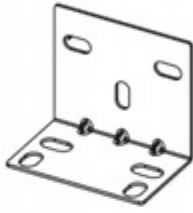
K04 (x1)
CORNER WALL
BRACKET



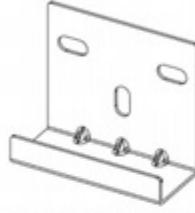
497 (x3)
WASHER - 17x30

K03 (x1)
CENTER WALL
BRACKET

STEP 2D - WALL BRACKET INSTALLATION USING LAG SCREWS WITH PLASTIC ANCHORS



K04 CORNER WALL BRACKET - A4M03483
(x2) 3 15/16"x5 1/8"x6" (99x131x152)



K03 CENTER WALL BRACKET - A4M03482
(x2) 2 11/16"x5 3/16"x6" (69x131x152)

Qty	PartNo	Description
12	H100497	WASHER FLAT 17x30 BLK
12	H101310	LAG BOLT HEX 3/8 X 3 BLK
12	H101311	PLASTIC ANCHOR 3/8x3

- DRILL (12) 1/2" [12mm] HOLES IN THE WALL ACCORDING TO LAYOUT IN STEP 1.
- INSTALL WALL BRACKETS WITH LAG SCREWS AND PLASTIC ANCHORS.
- THE INSTALLATION HEIGHT OF WALL BRACKETS WILL BE A LITTLE HIGHER THAN THE HEIGHT OF P02 (POST), SO THE TOP HAS A SLIGHT ANGLE TO FACILITATE DRAINAGE.
- REPEAT THIS STEP TWO TIMES

BRACKET LAYOUT



K04



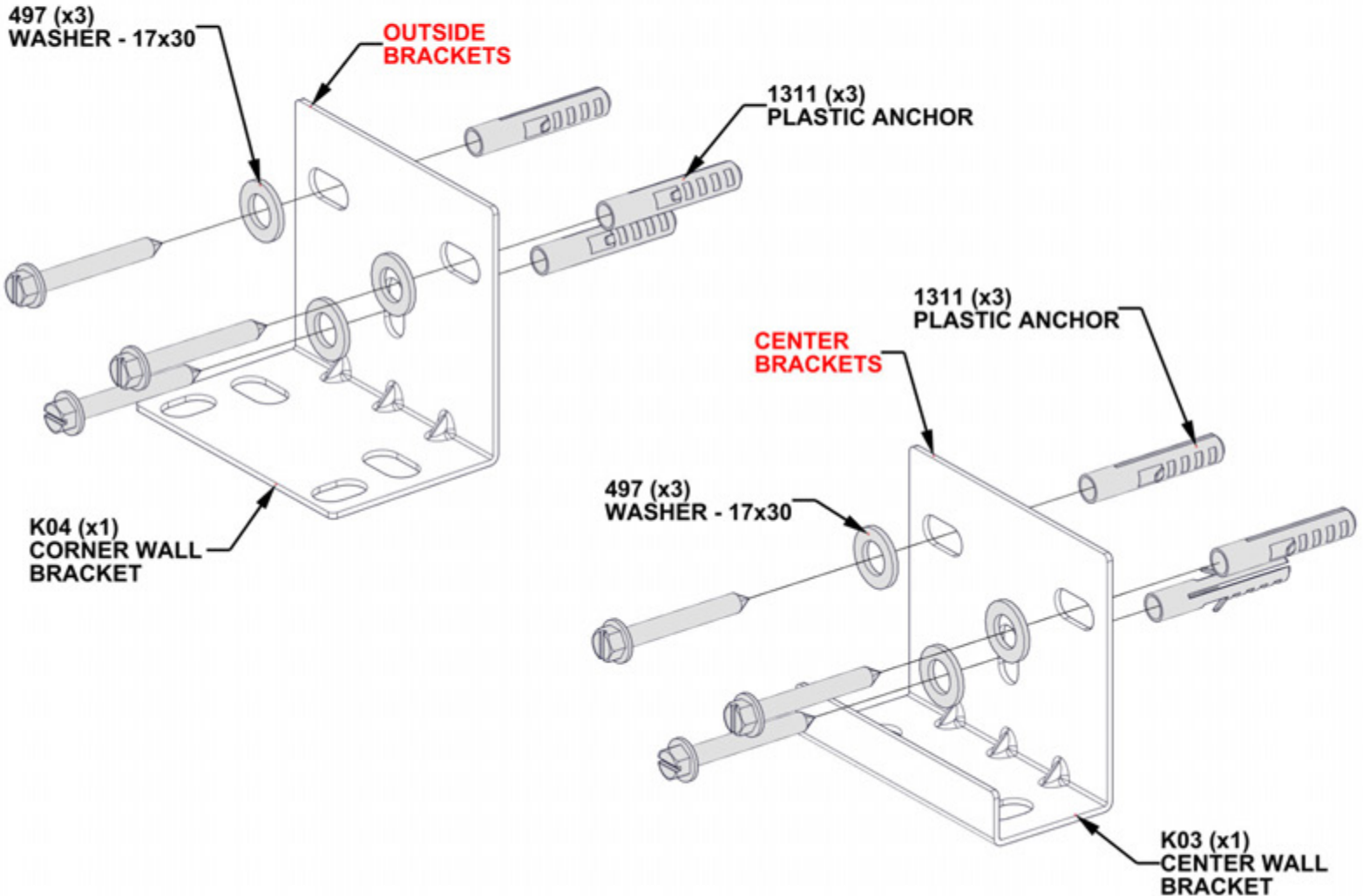
K03



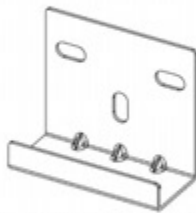
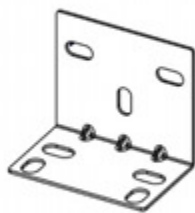
K03



K04



STEP 2E - WALL BRACKET INSTALLATION USING EXPANSION ANCHORS



Qty	PartNo	Description
12	H100497	WASHER FLAT 17x30 BLK
12	H101313	EXPANSION ANCHOR

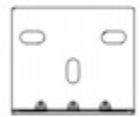
K04 CORNER WALL BRACKET - A4M03483
(2x) 3 15/16"x5 1/8"x6" (99x131x152)

K03 CENTER WALL BRACKET - A4M03482
(2x) 2 11/16"x5 3/16"x6" (69x131x152)

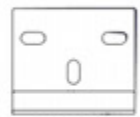
- DRILL (12) 3/8" [10mm] HOLES IN THE WALL ACCORDING TO LAYOUT IN STEP 1.
- INSTALL WALL BRACKETS WITH EXPANSION BOLTS.

- THE INSTALLATION HEIGHT OF WALL BRACKETS WILL BE A LITTLE HIGHER THAN THE HEIGHT OF P02 (POST), SO THE TOP HAS A SLIGHT ANGLE TO FACILITATE DRAINAGE.
- REPEAT THIS STEP TWO TIMES

BRACKET LAYOUT



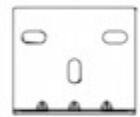
K04



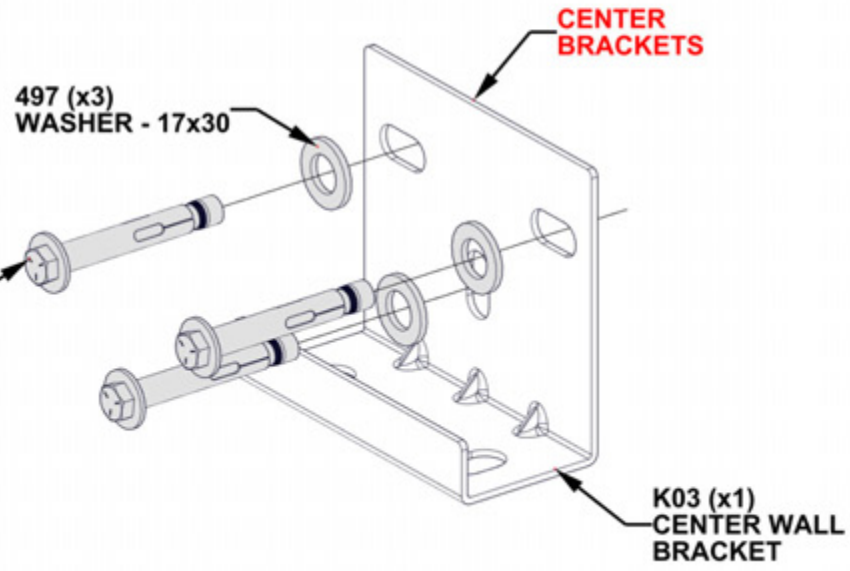
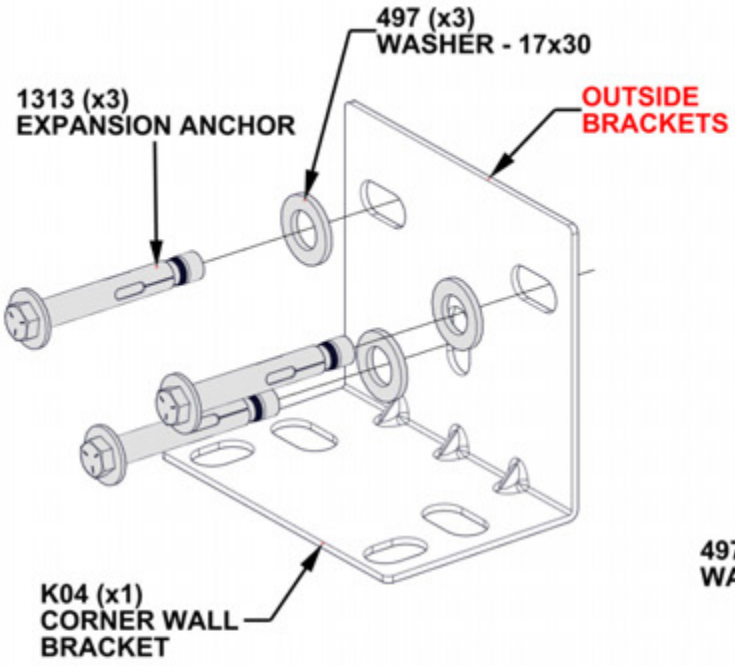
K03



K03



K04



STEP 3A - REAR BEAM ASSEMBLY

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

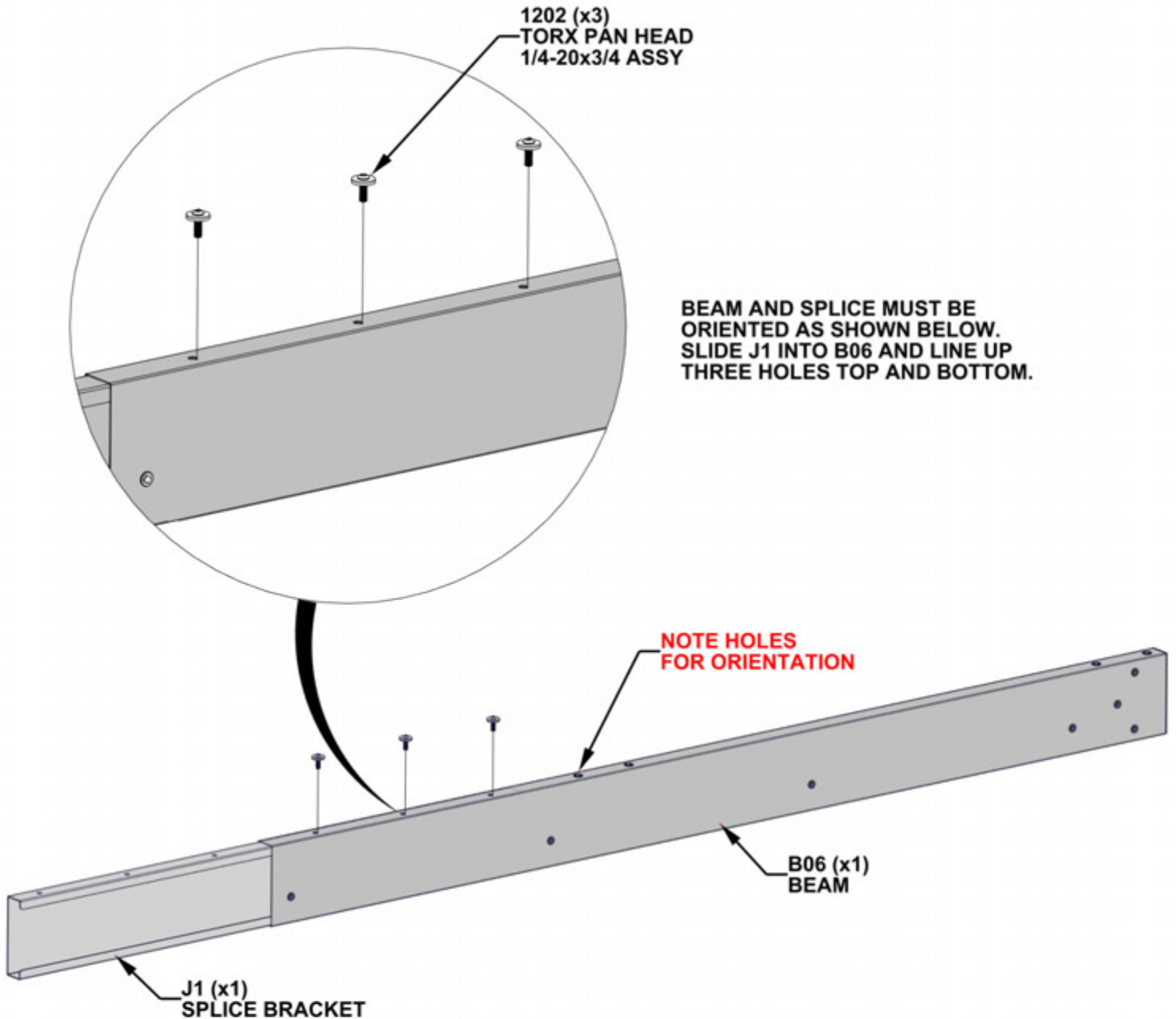


B06 BEAM - A4M04074
(x1) 1 7/16"x5 1/4"x70 1/4" (36x134x1783)



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

- FOR EASE OF ASSEMBLY, WE RECOMMEND USING SAWHORSES FOR STEPS 3A-7.
- **HAND TIGHTEN ONLY**



STEP 3B - REAR BEAM ASSEMBLY

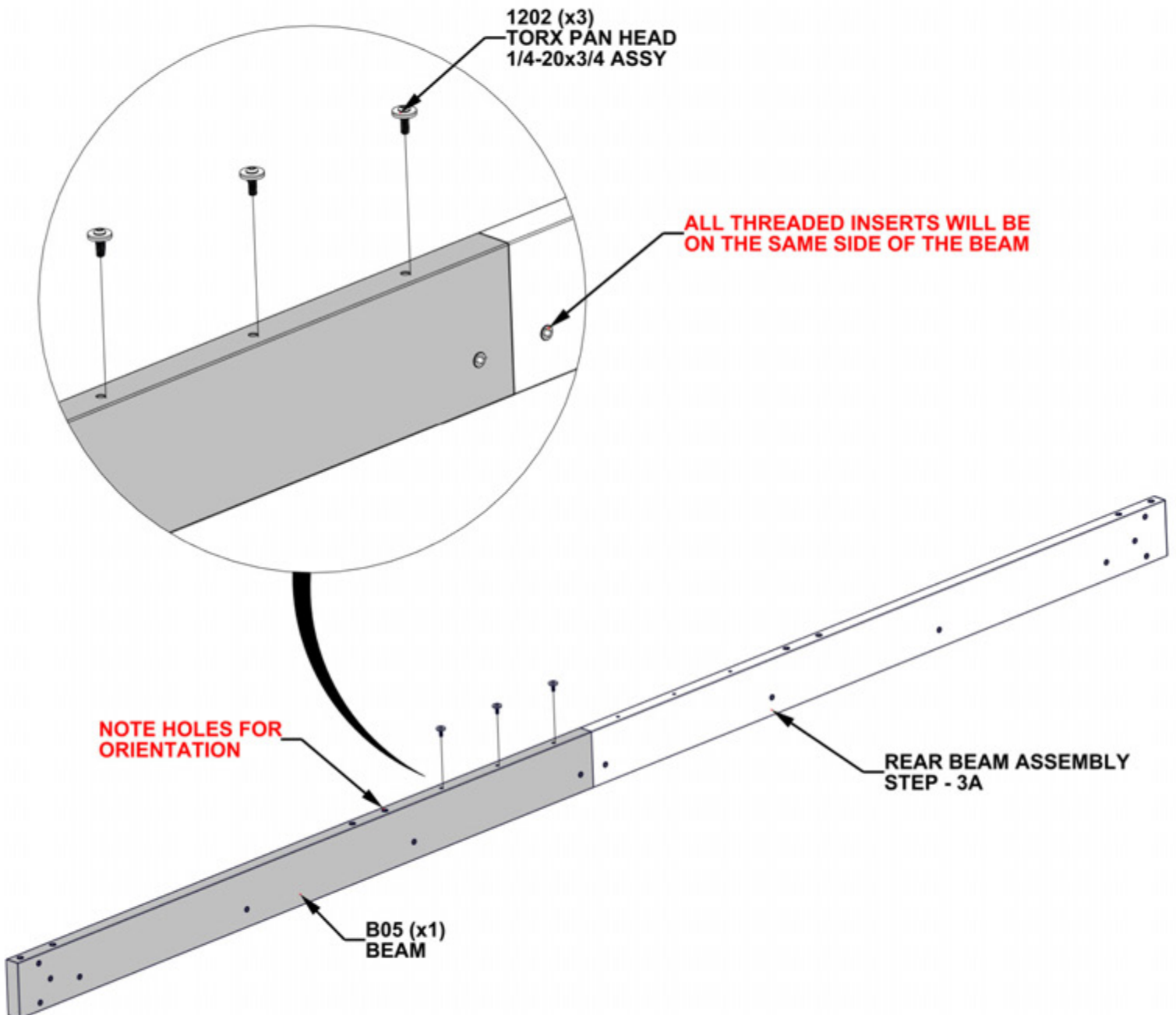
Qty	PartNo	Description
3	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY



B05 BEAM - A4M04075
(x1) 1 7/16"x5 1/4"x70 1/4" (36x134x1783)

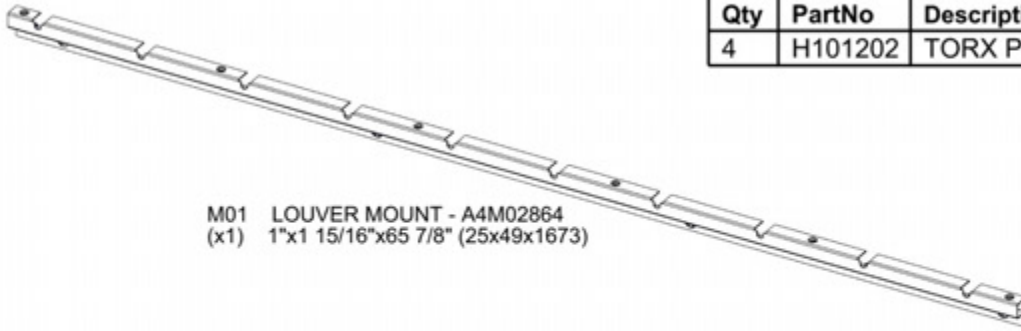
- SLIDE B05 ONTO SPLICE BRACKET. GENTLY TAP ENDS OF ASSEMBLY WITH RUBBER Mallet UNTIL GAP CLOSSES, THEN TIGHTEN ALL BOLTS ON BEAM.

- HAND TIGHTEN ONLY



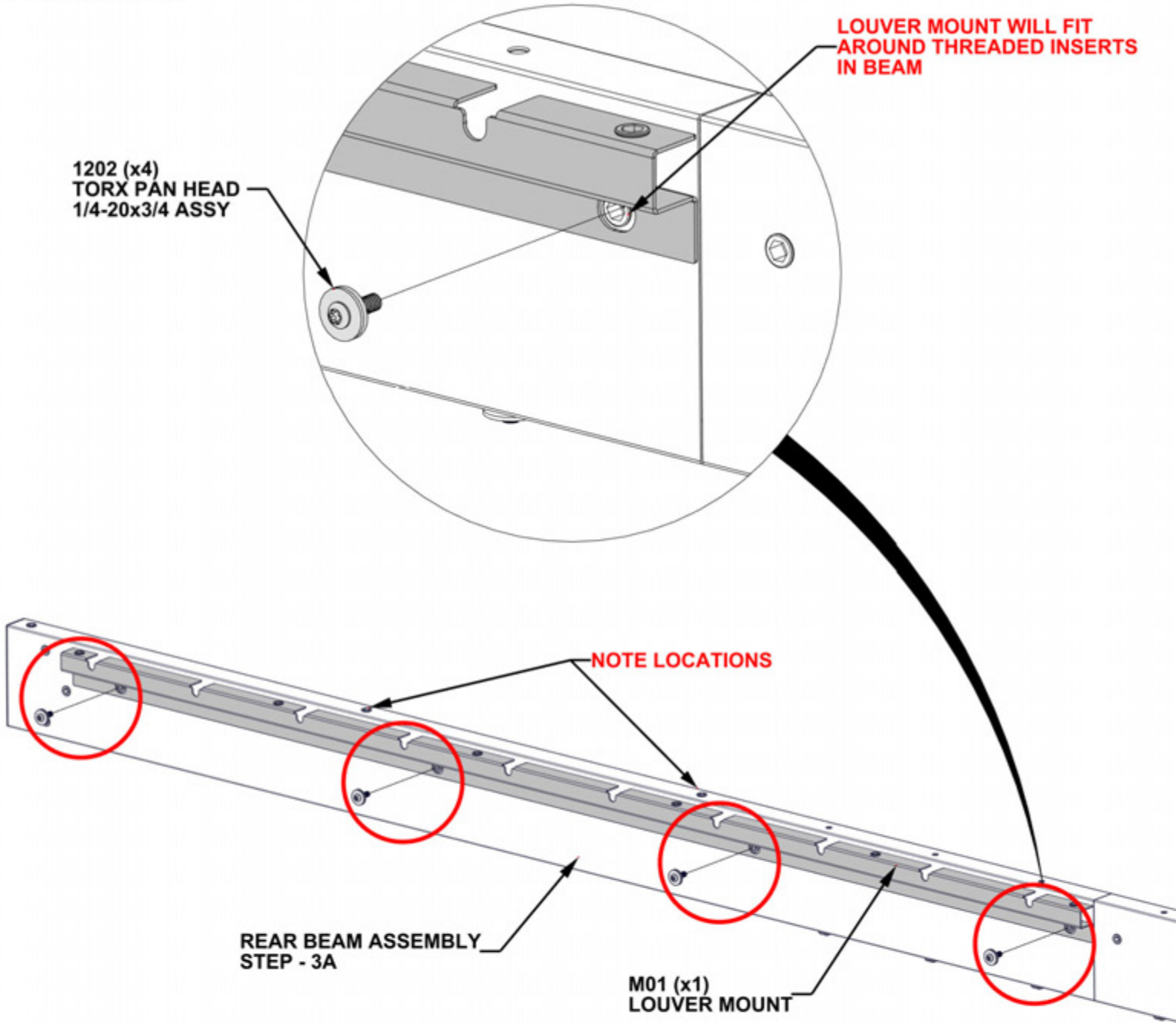
STEP 4A - REAR BEAM LOUVER MOUNT

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



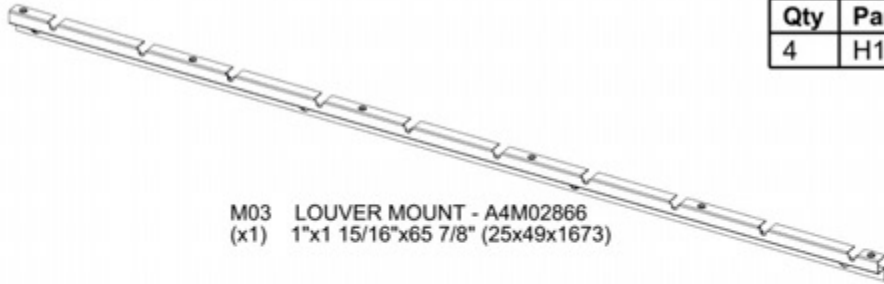
M01 LOUVER MOUNT - A4M02864
(x1) 1"x1 15/16"x65 7/8" (25x49x1673)

- HAND TIGHTEN ONLY



STEP 4B - REAR BEAM LOUVER MOUNT

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



M03 LOUVER MOUNT - A4M02866
(x1) 1"x1 15/16"x65 7/8" (25x49x1673)

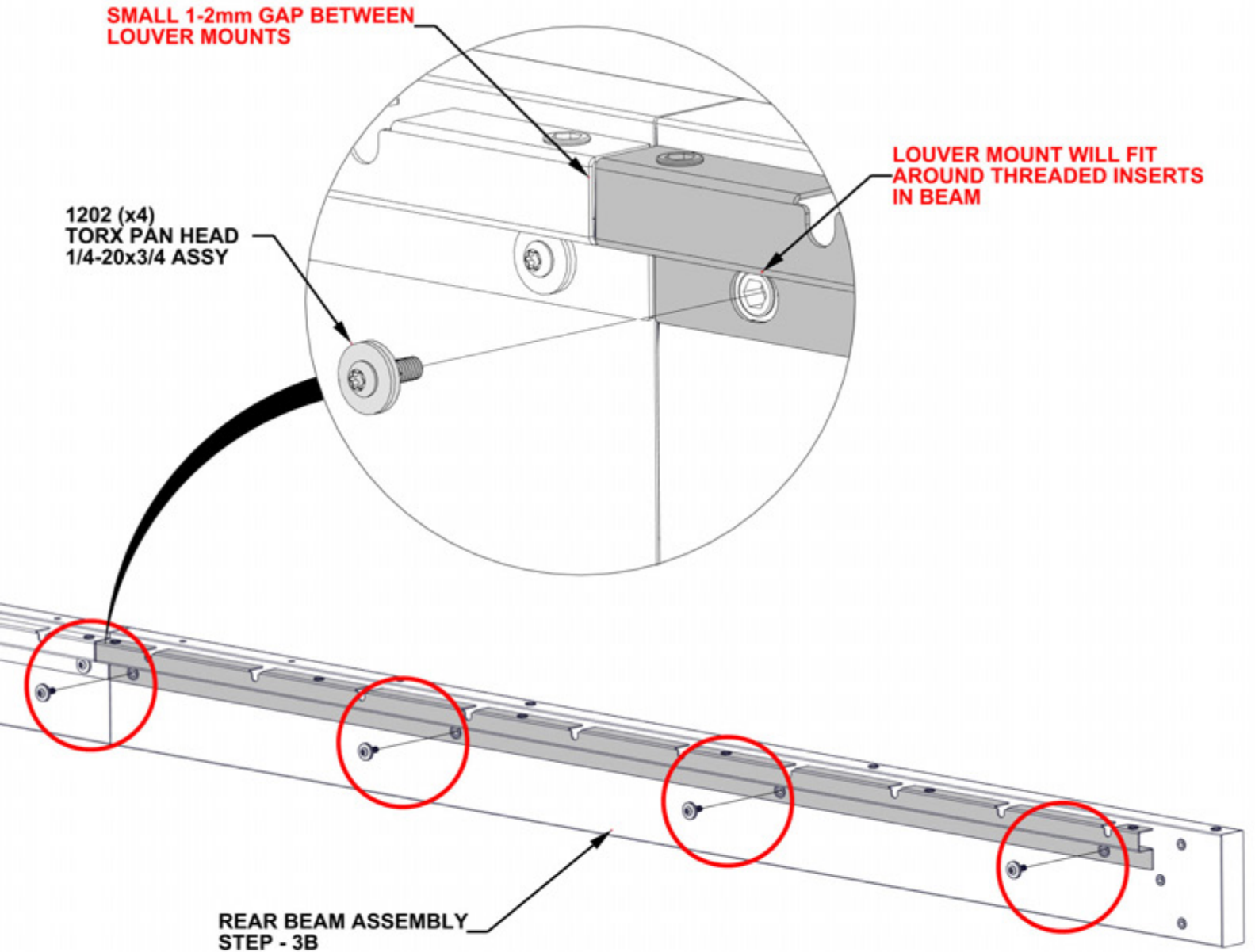
- HAND TIGHTEN ONLY

SMALL 1-2mm GAP BETWEEN LOUVER MOUNTS

LOUVER MOUNT WILL FIT AROUND THREADED INSERTS IN BEAM

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

REAR BEAM ASSEMBLY
STEP - 3B



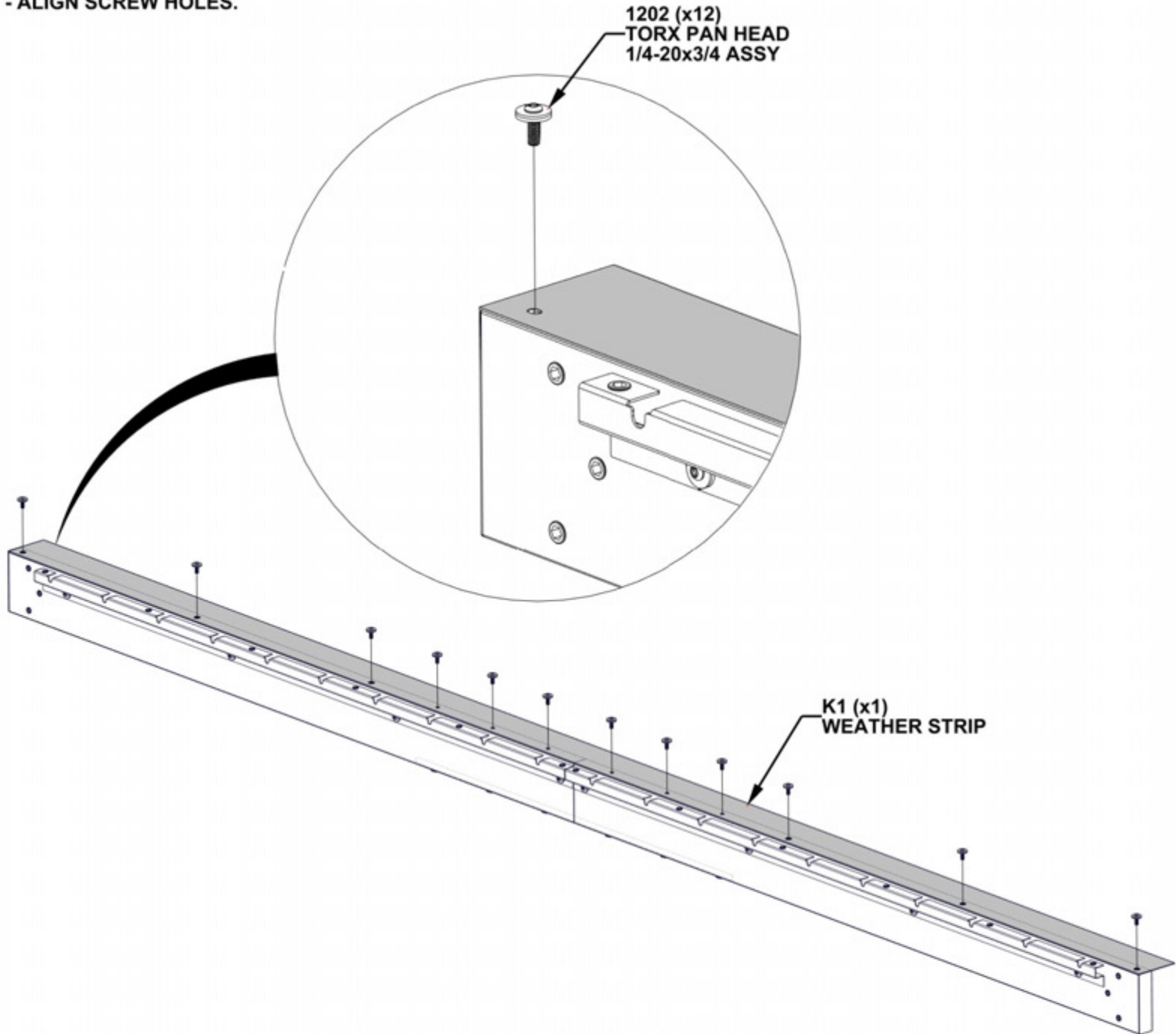
STEP 5 - REAR BEAM WEATHER STRIP

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



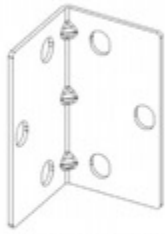
K1 WEATHER STRIP - A6P01107
(x1) 1/16"x3 15/16"x134 15/16" (1.6x100x3428)

- ALIGN SCREW HOLES.



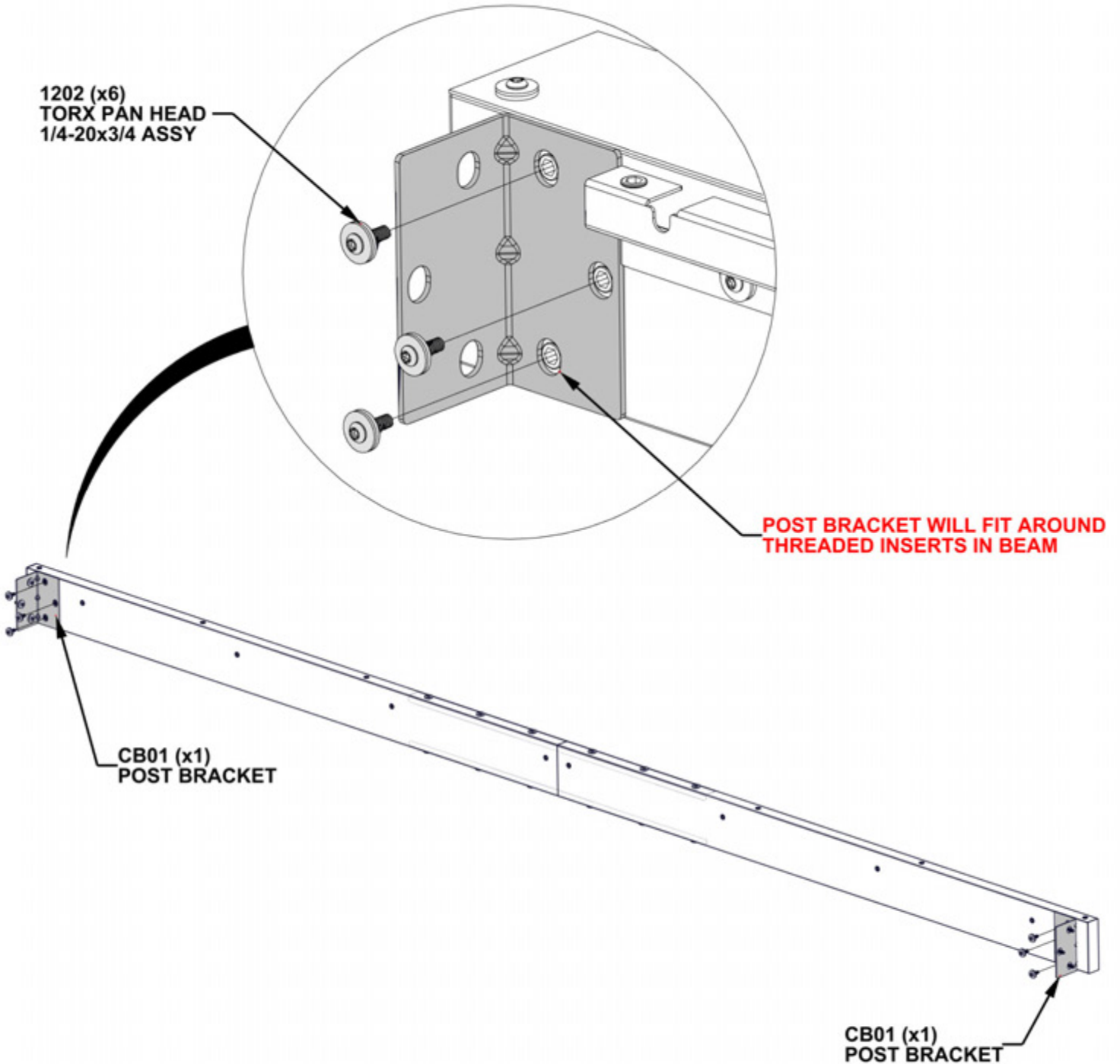
STEP 6 - REAR BEAM POST BRACKET

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



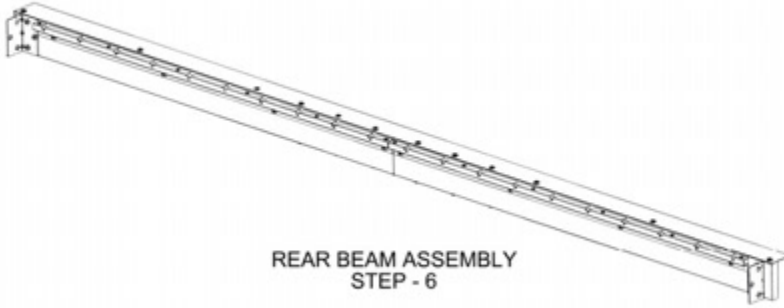
CB01 POST BRACKET - A4M04063
(x2) 2 15/16"x2 15/16"x5 1/4" (74.5x74.5x134)

- HAND TIGHTEN ONLY

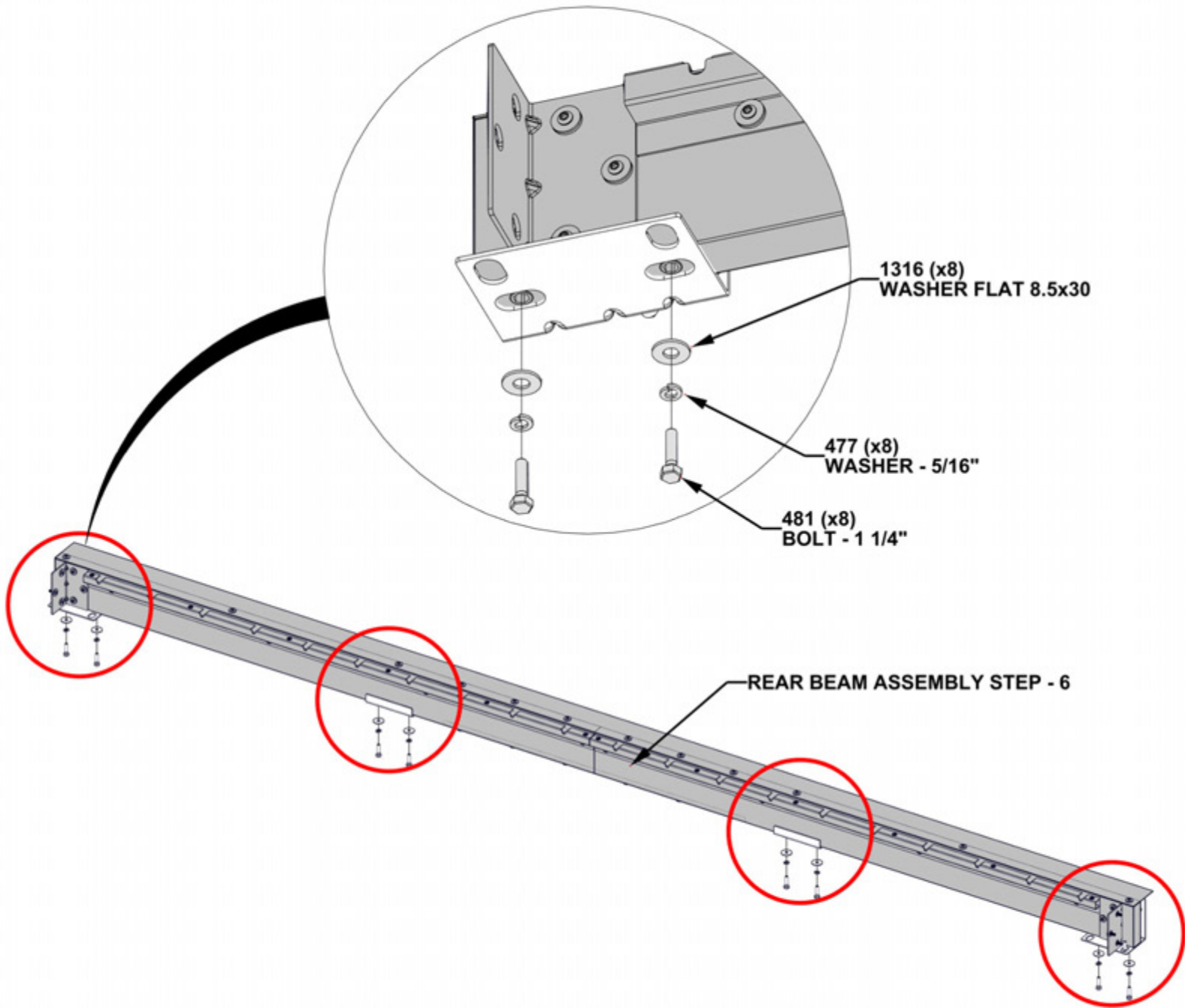


STEP 7 - REAR BEAM ASSEMBLY

Qty	PartNo	Description
8	H100477	WASHER SPLIT 5/16 BLK
8	H100481	BOLT HEX 5/16x1 1/4 BLK
8	H101316	WASHER FLAT 8.5x30 BLK

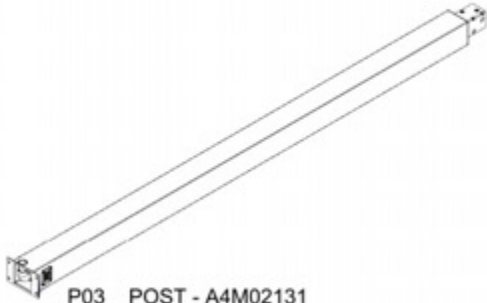


- WITH THE HELP OF ANOTHER ADULT, ATTACH REAR BEAM ASSEMBLY TO WALL BRACKETS.
- ALIGN SCREW HOLES.
- **TIGHTEN ALL HARDWARE FROM PREVIOUS STEPS.**



STEP 8A - LEFT FRAME ASSEMBLY

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

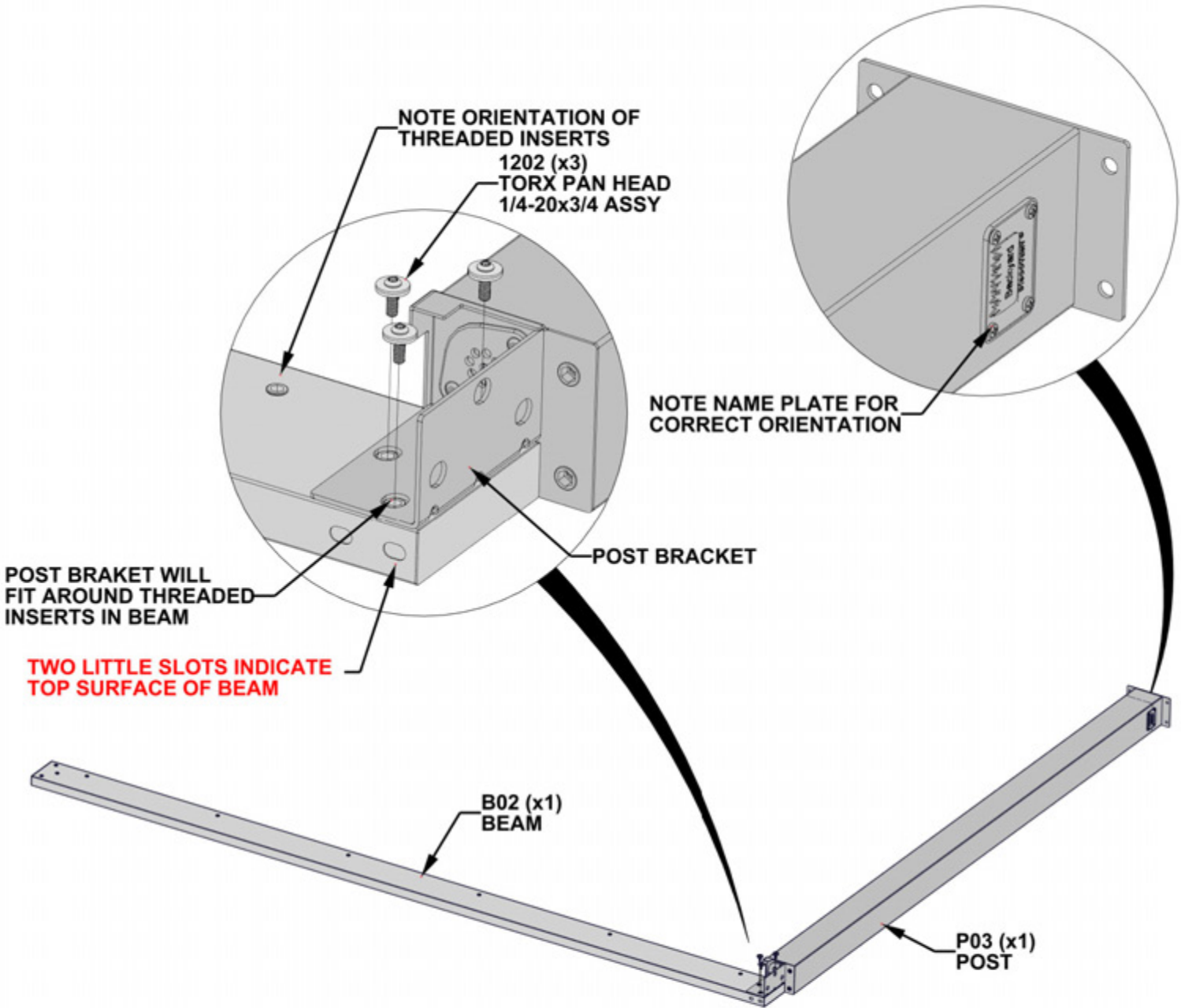


P03 POST - A4M02131
(x1) 4 5/16"x6 3/4"x99 1/2" (110x172x2527)



B02 BEAM - A4M03479
(x1) 1 7/16"x5 1/4"x114 7/8" (36x134x2918)

- ATTACH B02 BEAM TO POST BRACKET ON POST P03.
- **HAND TIGHTEN ONLY**

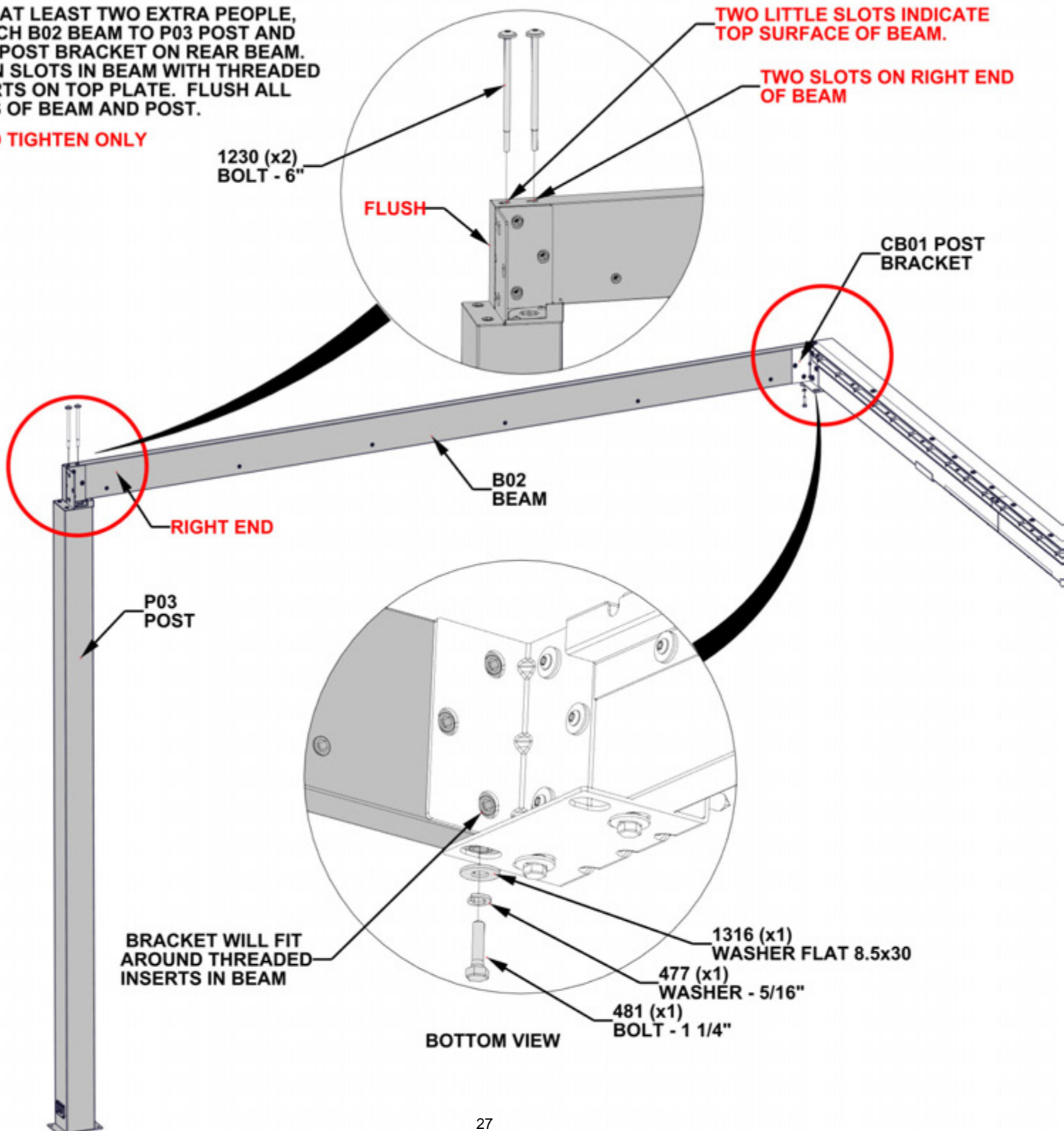


STEP 8B - LEFT FRAME ASSEMBLY

Qty	PartNo	Description
1	H100477	WASHER SPLIT 5/16 BLK
1	H100481	BOLT HEX 5/16x1 1/4 BLK
2	H101230	BOLT WH 5/16x6 S.S.
1	H101316	WASHER FLAT 8.5x30 BLK

- WITH AT LEAST TWO EXTRA PEOPLE, ATTACH B02 BEAM TO P03 POST AND CB01 POST BRACKET ON REAR BEAM.
- ALIGN SLOTS IN BEAM WITH THREADED INSERTS ON TOP PLATE. FLUSH ALL SIDES OF BEAM AND POST.

- HAND TIGHTEN ONLY



STEP 8C - LEFT FRAME ASSEMBLY

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

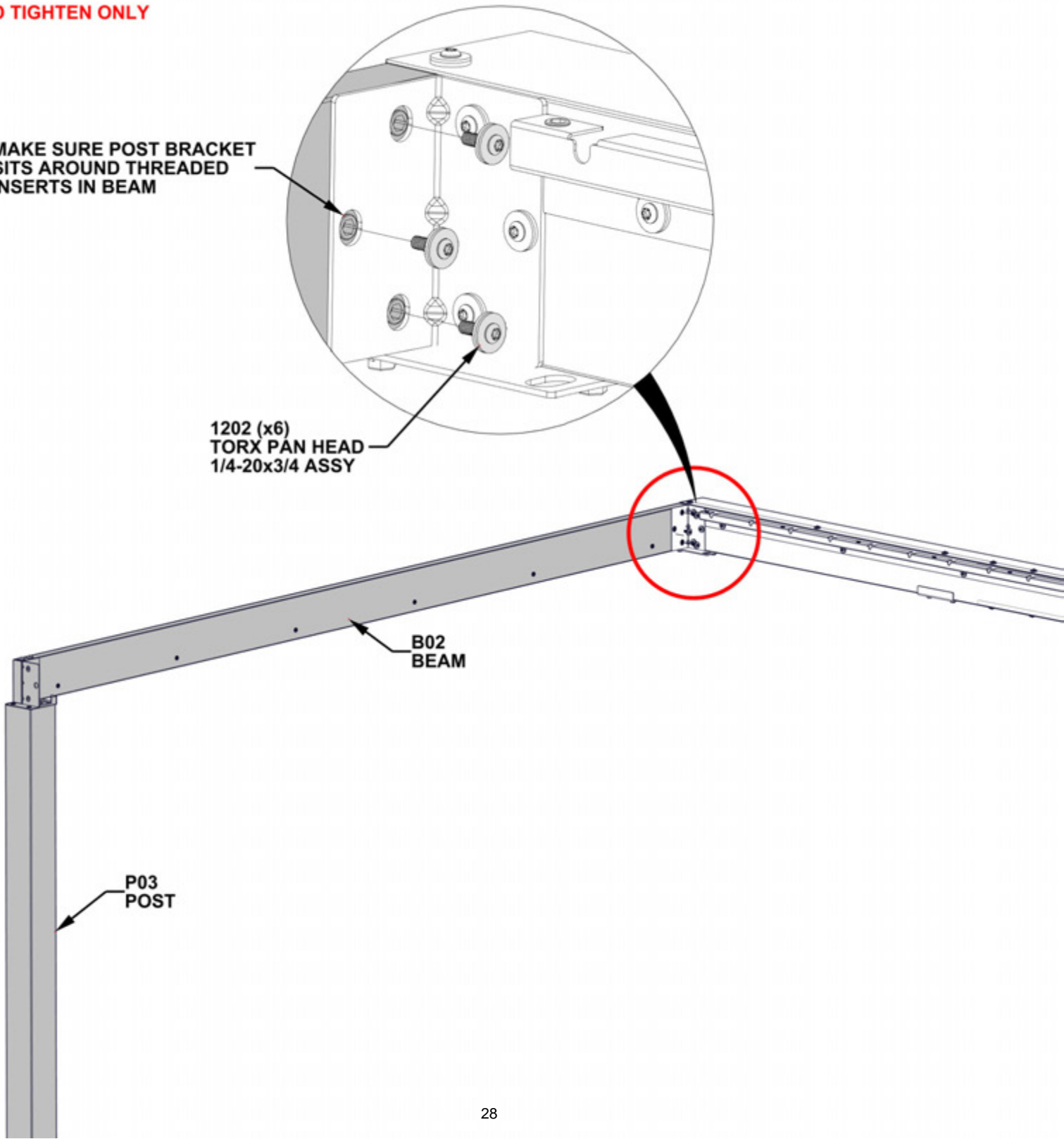
- HAND TIGHTEN ONLY

MAKE SURE POST BRACKET
SITS AROUND THREADED
INSERTS IN BEAM

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

B02
BEAM

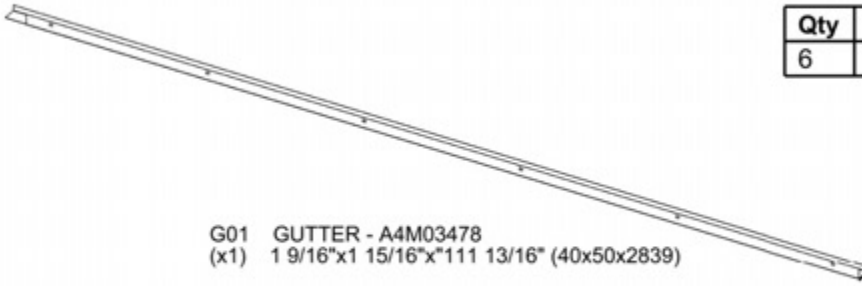
P03
POST



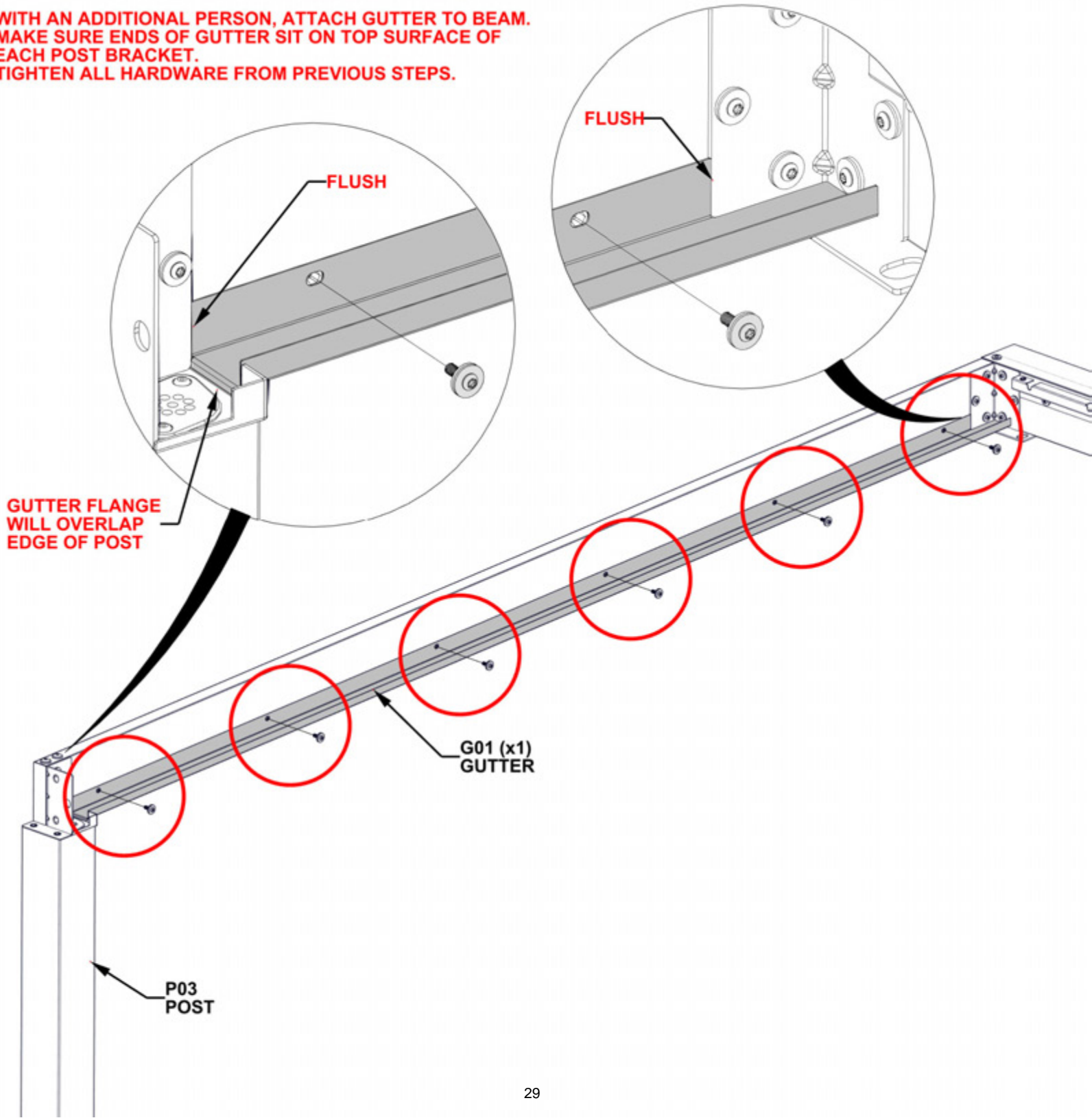
STEP 9 - LEFT GUTTER ATTACHMENT

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

G01 GUTTER - A4M03478
(x1) 1 9/16"x1 15/16"x"111 13/16" (40x50x2839)

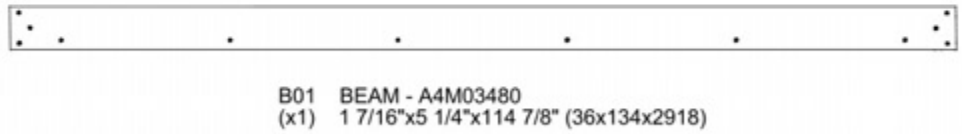
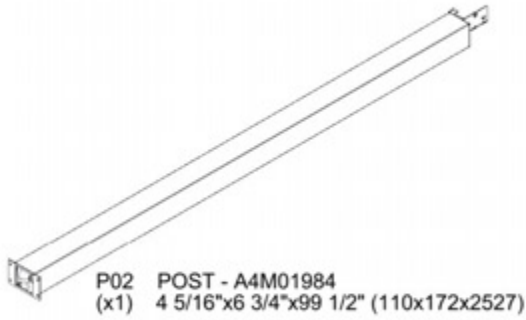


- WITH AN ADDITIONAL PERSON, ATTACH GUTTER TO BEAM.
- MAKE SURE ENDS OF GUTTER SIT ON TOP SURFACE OF EACH POST BRACKET.
- TIGHTEN ALL HARDWARE FROM PREVIOUS STEPS.

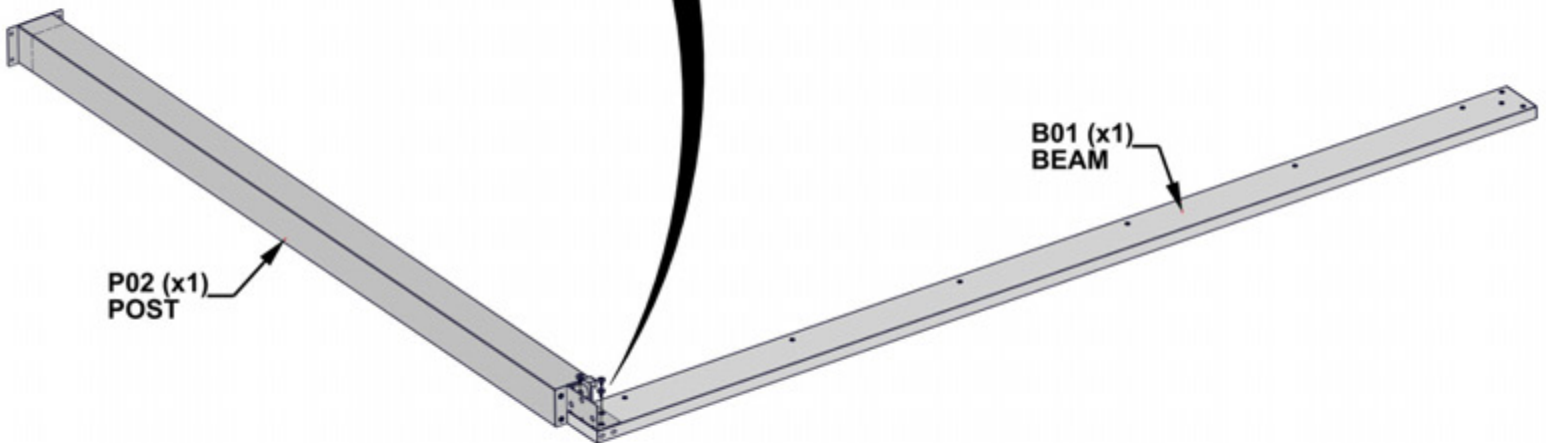
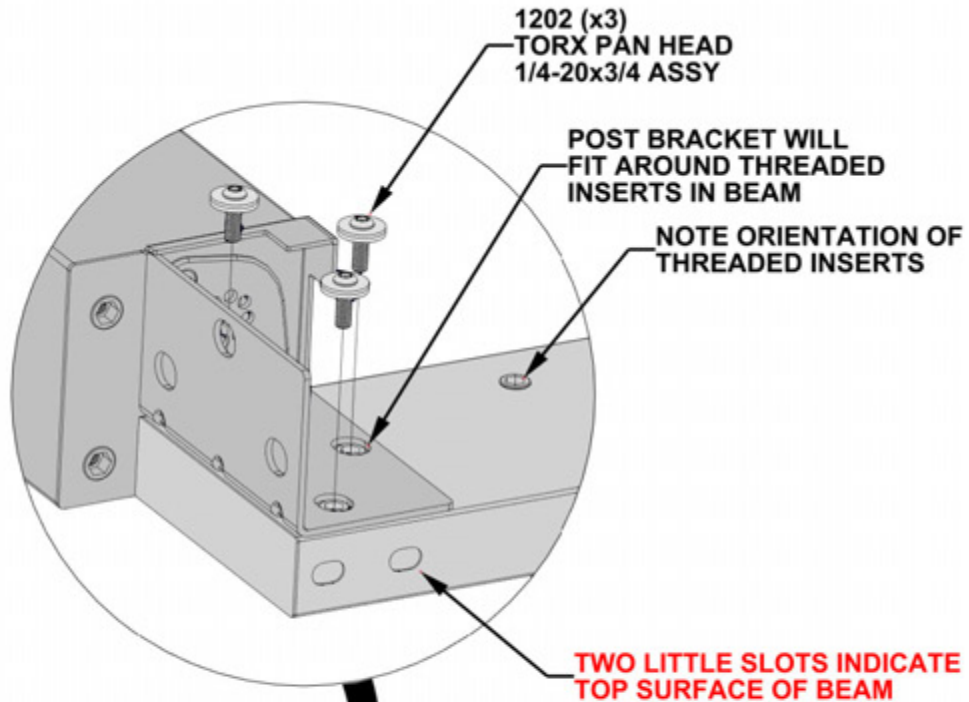


STEP 10A - RIGHT FRAME ASSEMBLY

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



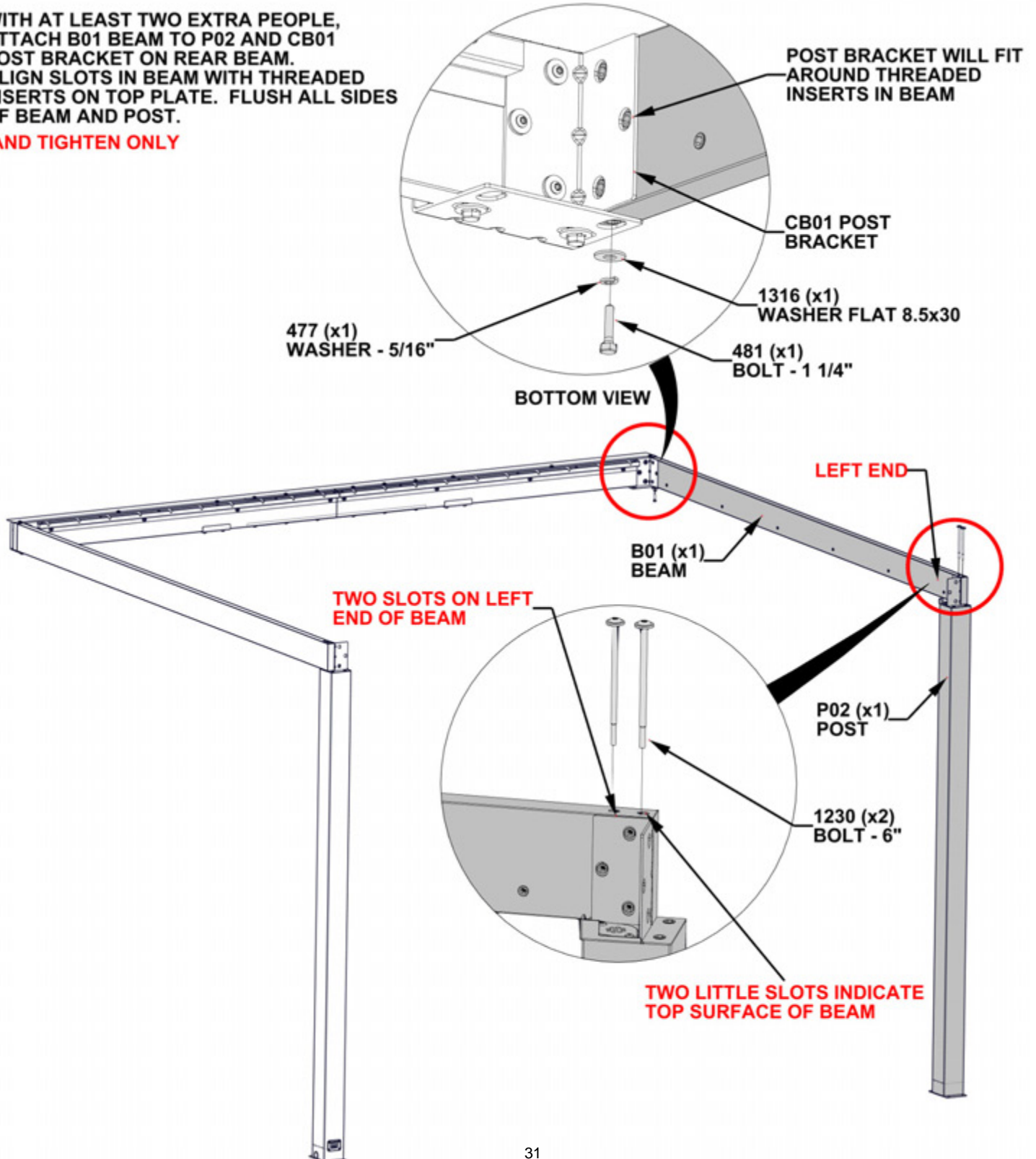
- ATTACH B01 TO POST BRACKET ON POST P02
- **HAND TIGHTEN ONLY**



STEP 10B - RIGHT FRAME ASSEMBLY

Qty	PartNo	Description
1	H100477	WASHER SPLIT 5/16 BLK
1	H100481	BOLT HEX 5/16x1 1/4 BLK
2	H101230	BOLT WH 5/16x6 S.S.
1	H101316	WASHER FLAT 8.5x30 BLK

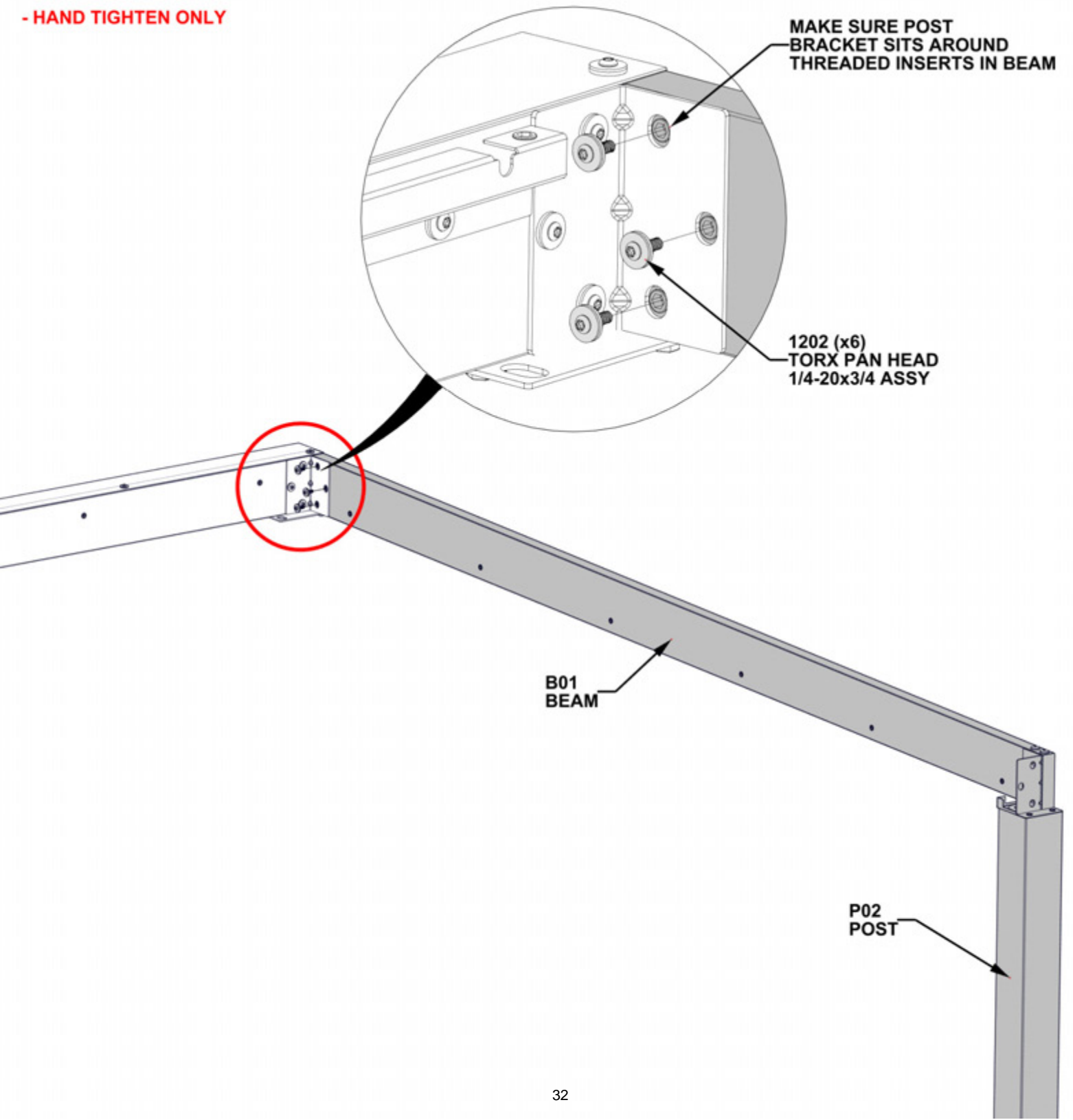
- WITH AT LEAST TWO EXTRA PEOPLE, ATTACH B01 BEAM TO P02 AND CB01 POST BRACKET ON REAR BEAM.
- ALIGN SLOTS IN BEAM WITH THREADED INSERTS ON TOP PLATE. FLUSH ALL SIDES OF BEAM AND POST.
- **HAND TIGHTEN ONLY**



STEP 10C- RIGHT FRAME ASSEMBLY

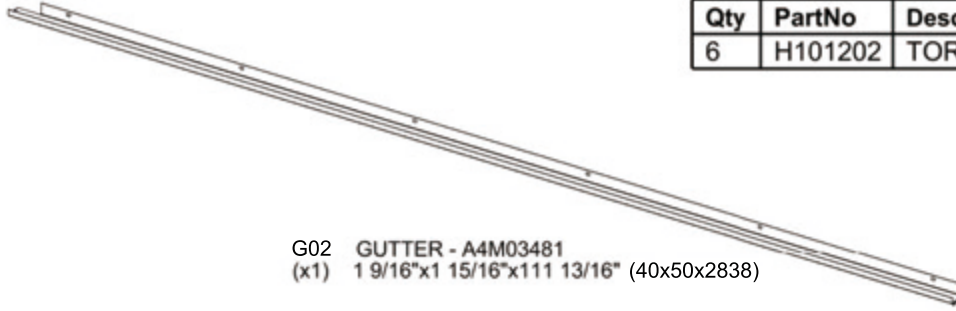
Qty	PartNo	Description
3	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY

- HAND TIGHTEN ONLY

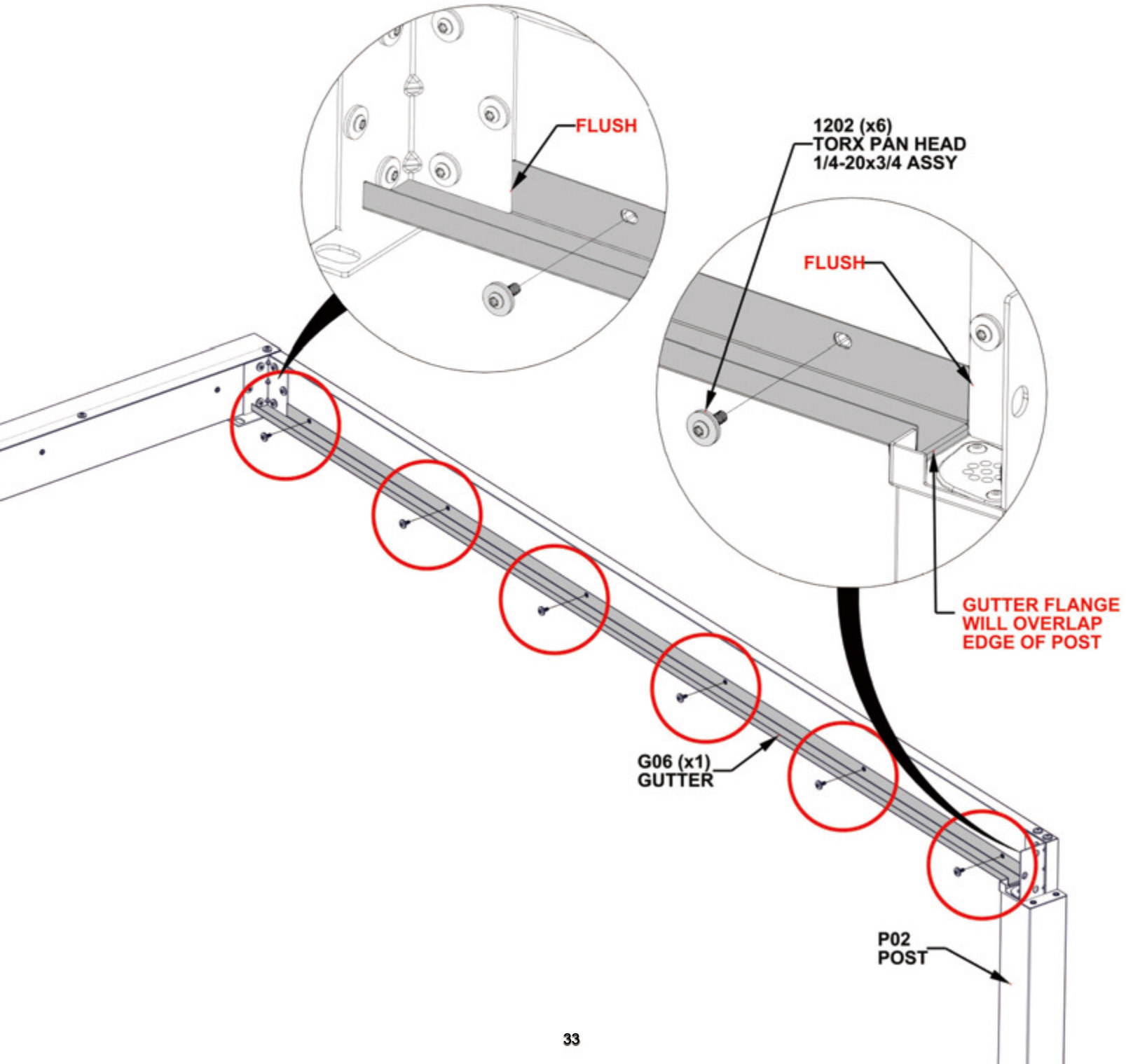


STEP 11 - RIGHT GUTTER ATTACHMENT

Qty	PartNo	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.
- TIGHTEN ALL HARDWARE FROM PREVIOUS STEPS.



STEP 12 - FRONT BEAM ASSEMBLY

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

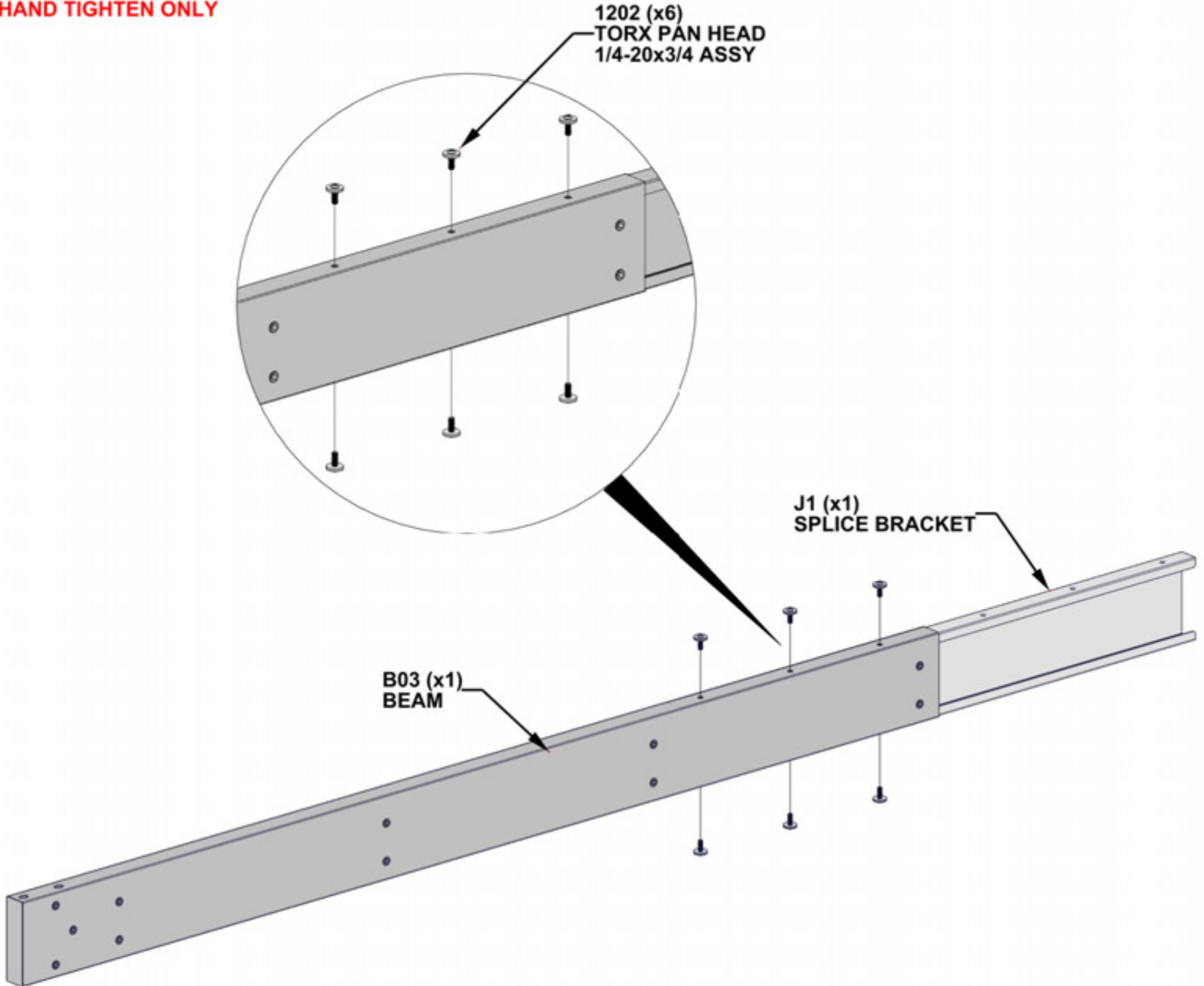


B03 BEAM - A4M02862
(x1) 1 7/16"x5 1/4"x70 1/4" (36x134x1783)



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

- BEAM AND SPLICE MUST BE ORIENTED AS SHOWN BELOW.
- SLIDE J1 INTO B03 AND LINE UP THREE HOLES TOP AND BOTTOM.
- **HAND TIGHTEN ONLY**



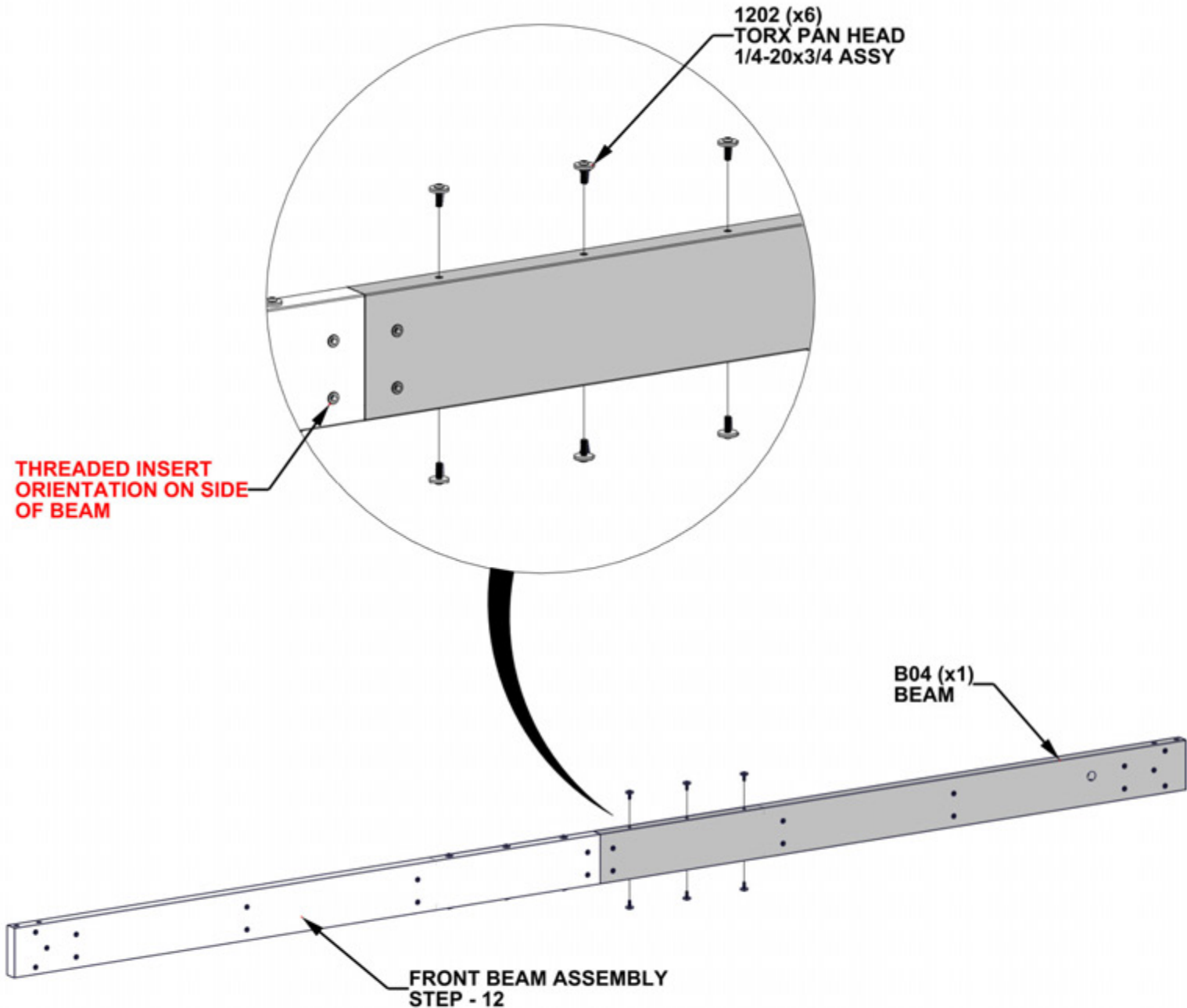
STEP 13 - FRONT BEAM ASSEMBLY

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



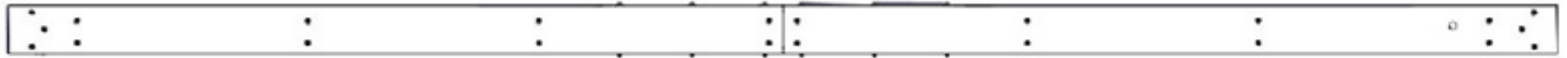
B04 BEAM - A4M02863
 (x1) 1 7/16"x5 1/4"x70 1/4" (36x134x1783)

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



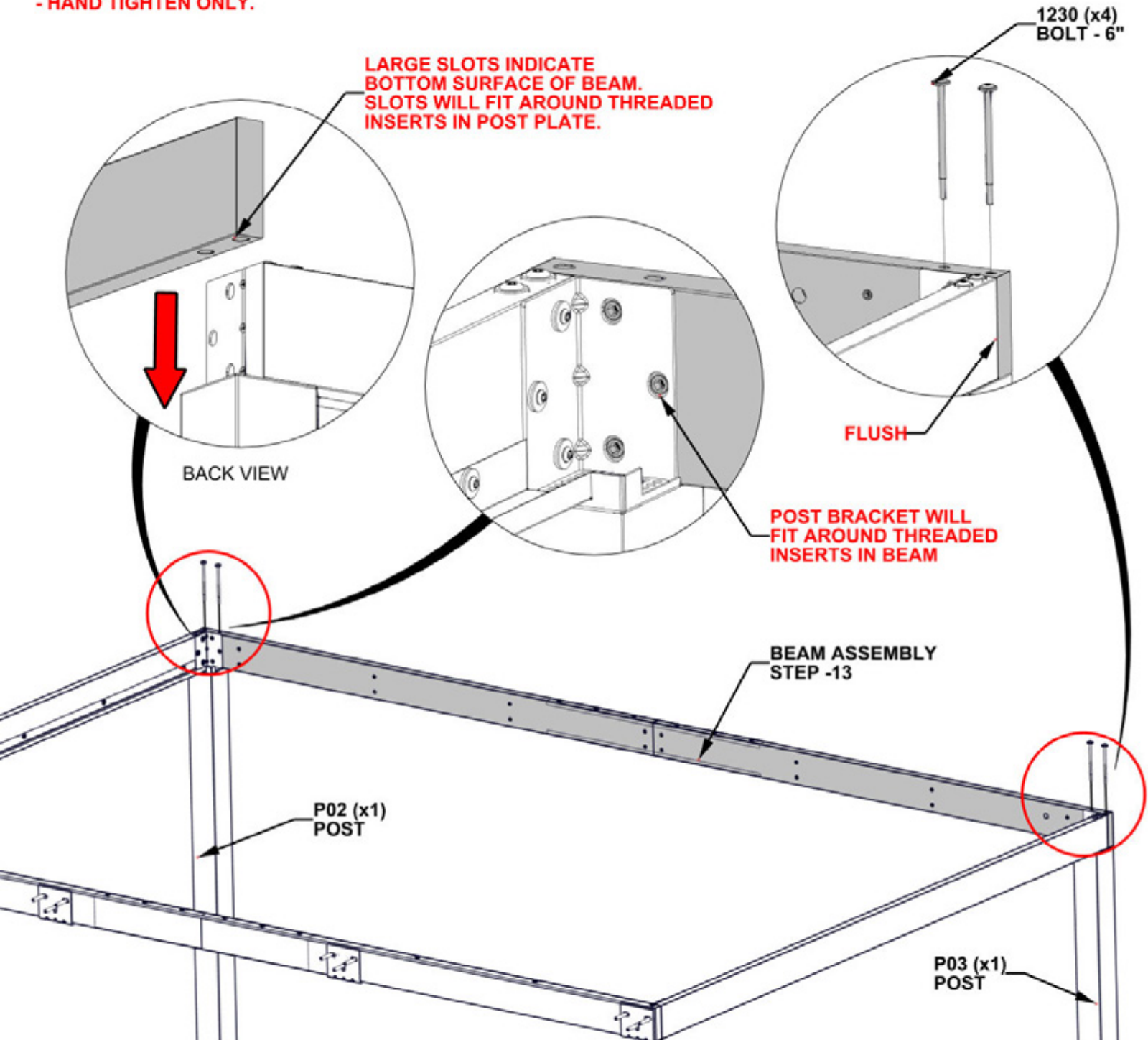
STEP 14A - FRONT FRAME ASSEMBLY

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



BEAM ASSEMBLY
STEP - 13

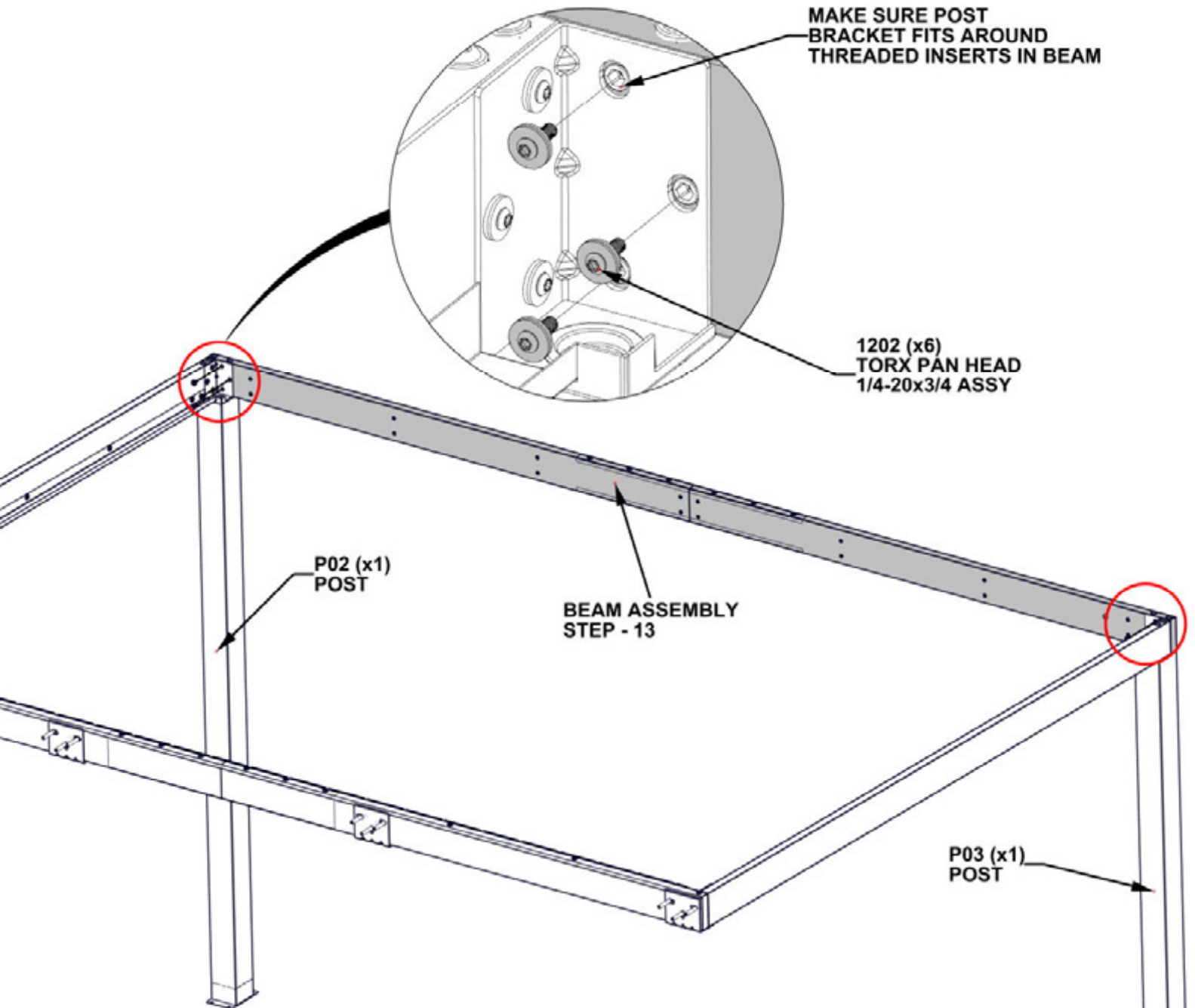
- WITH AT LEAST TWO EXTRA PEOPLE, ATTACH BEAM ASSEMBLY FROM PREVIOUS STEPS TO P02 AND P03 POST.
- ALIGN SLOTS IN BEAM WITH THREADED INSERTS ON TOP PLATE. FLUSH ALL SIDES OF BEAM AND POST.
- HAND TIGHTEN ONLY.



STEP 14B - FRONT FRAME ASSEMBLY

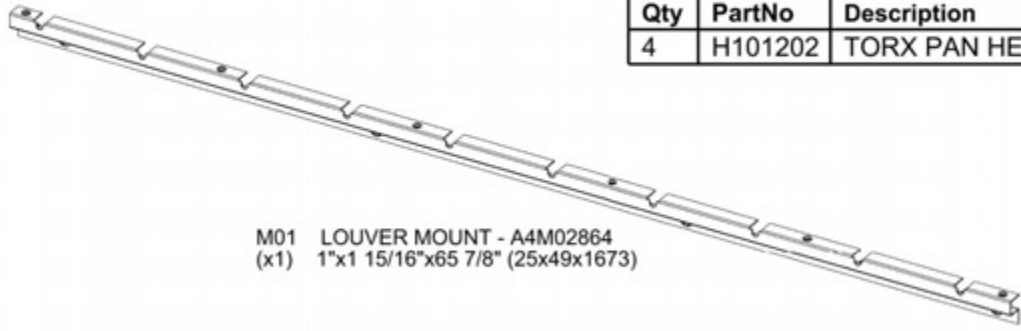
Qty	PartNo	Description
6	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY

- TIGHTEN ALL HARDWARE FROM PREVIOUS STEPS.



STEP 15 - FRONT BEAM LOUVER MOUNT ATTACHMENT

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



M01 LOUVER MOUNT - A4M02864
(x1) 1"x1 15/16"x65 7/8" (25x49x1673)

**FLUSH MOUNT
WITH EDGE OF POST
BRACKET**

LOUVER MOUNT WILL
FIT AROUND THREADED
INSERTS IN BEAM

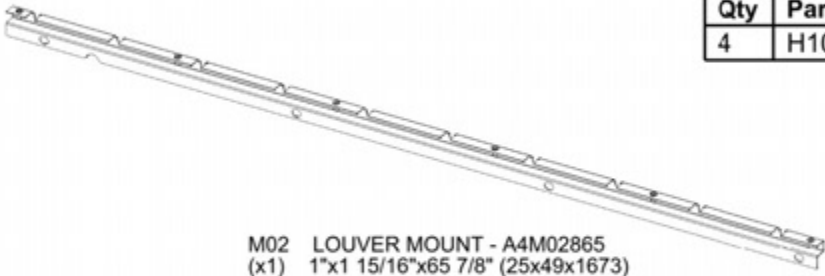
1202 (x4)
TORX PAN HEAD
1/4-20x3/4 ASSY

M01 (x1)
LOUVER MOUNT

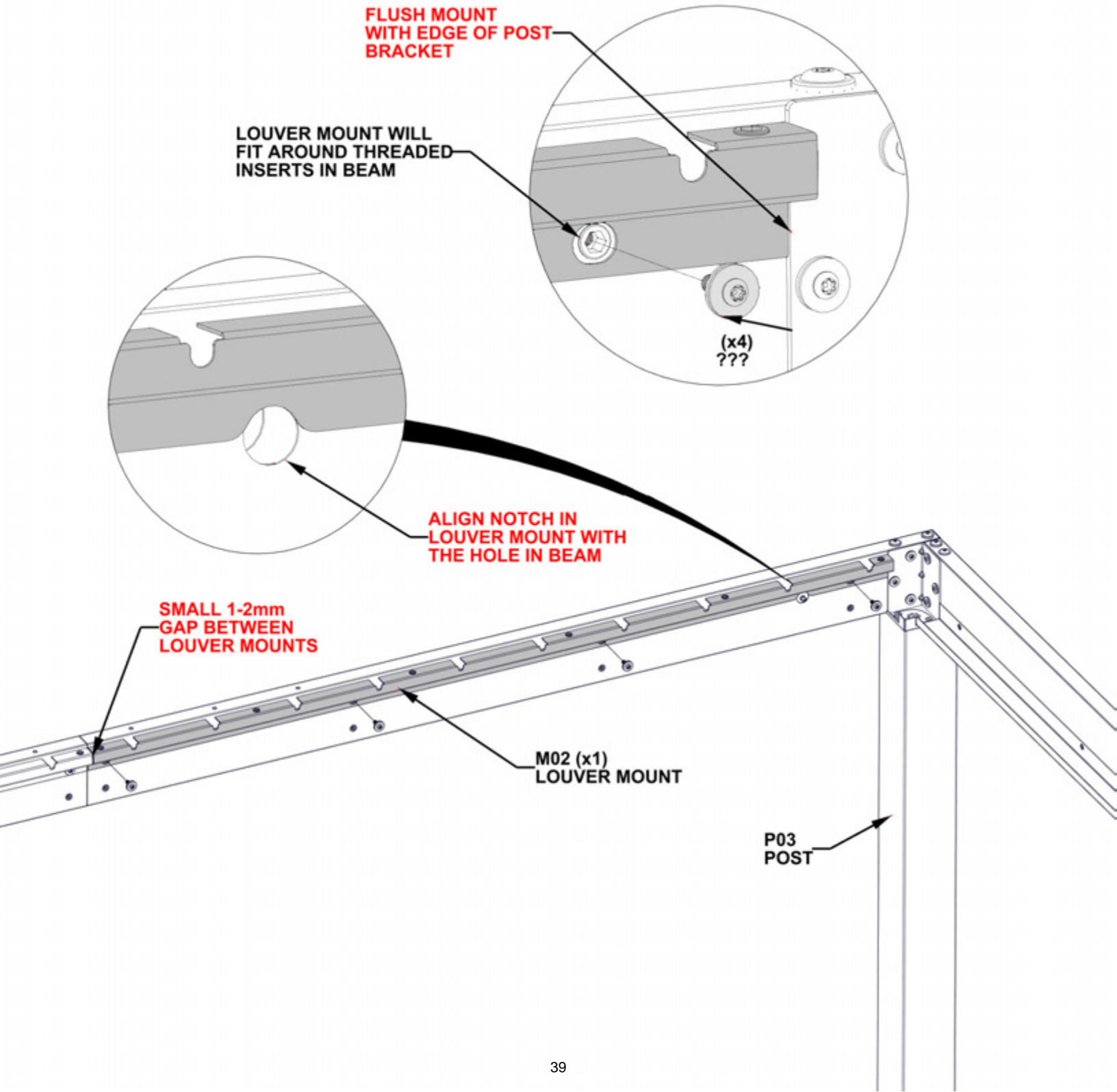
P02
POST

STEP 16 - FRONT BEAM LOUVER MOUNT ATTACHMENT

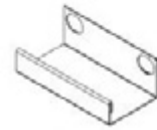
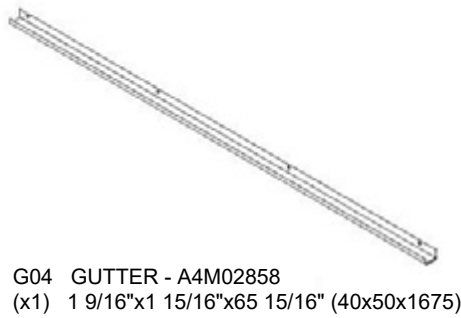
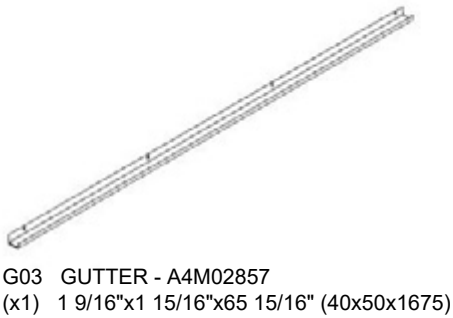
Qty	PartNo	Description
4	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY



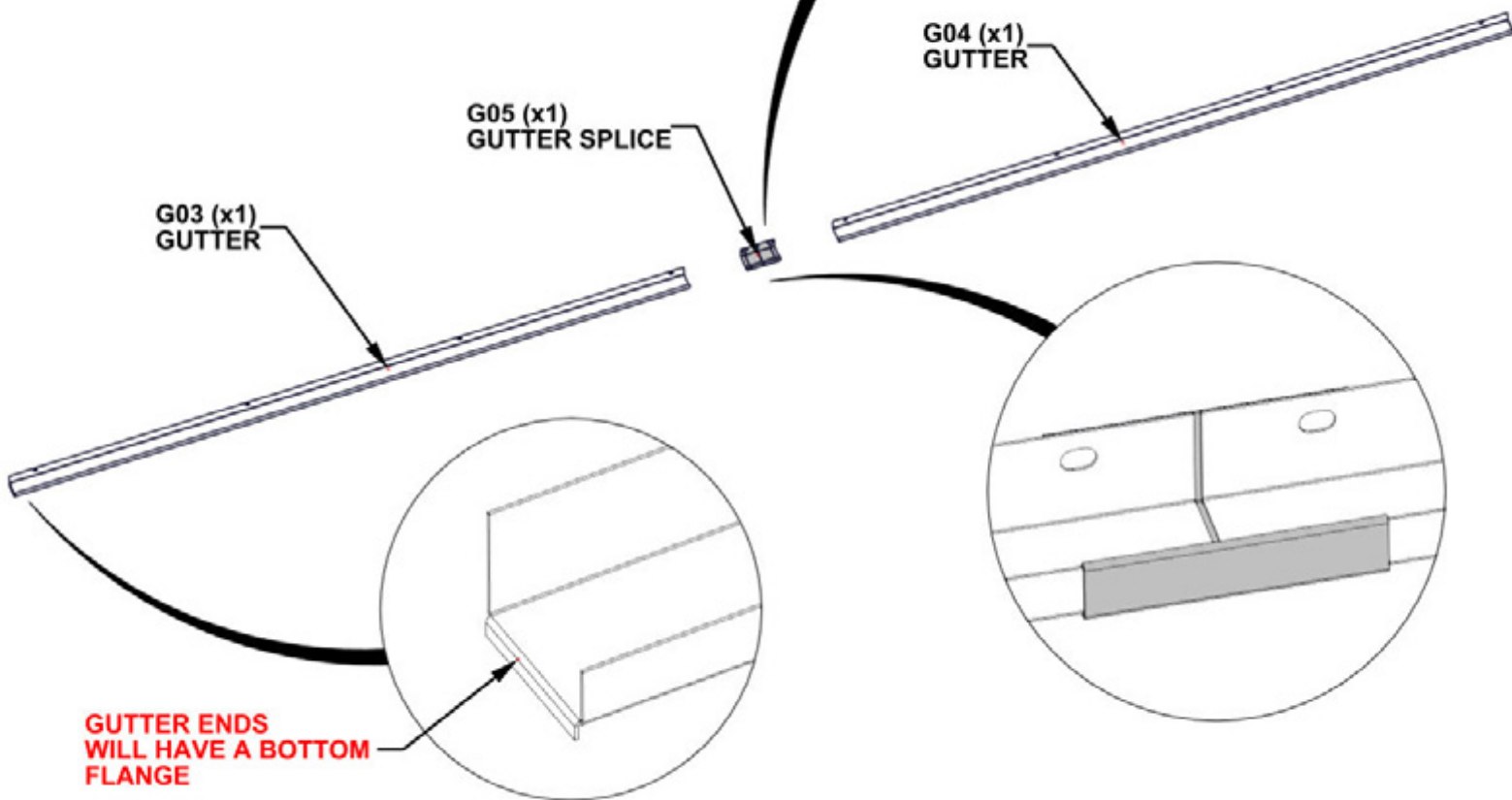
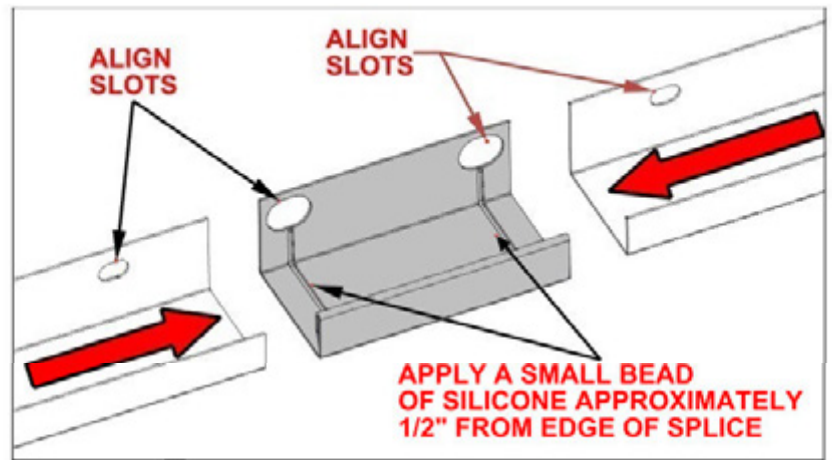
M02 LOUVER MOUNT - A4M02865
(x1) 1"x1 15/16"x65 7/8" (25x49x1673)



STEP 17A - FRONT BEAM GUTTER ATTACHMENT

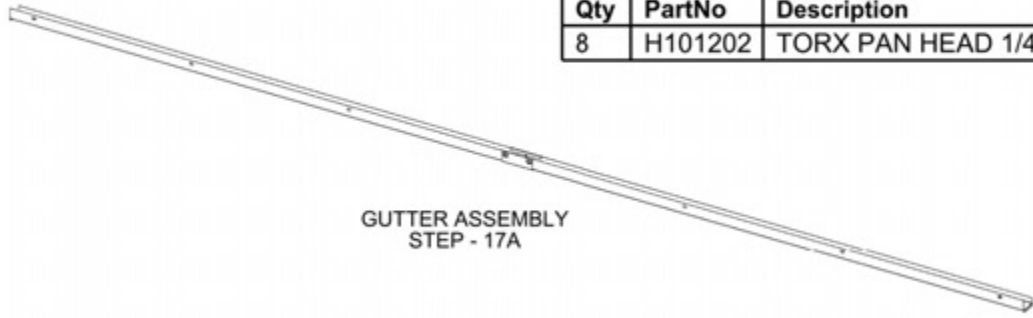


- MEASURE APPROXIMATELY 1/2" [13 mm] FROM EACH END OF GUTTER SPLICE AND APPLY A FINE BEAD OF SILICONE.
- SLIDE BOTH G03 AND G04 GUTTERS INTO SPLICE, ALIGNING SLOTS (ENDS WILL ALMOST BE TOUCHING).
- WIPE OFF ANY EXCESS SILICONE USING A RAG OR PAPER TOWEL.
- **GLOVES ARE RECOMMENDED WHEN APPLYING SILICONE.**
- **MAKE SURE SURFACE OF GUTTER SPLICE IS CLEAN, DRY, AND FREE OF ANY DIRT/DEBRIS**

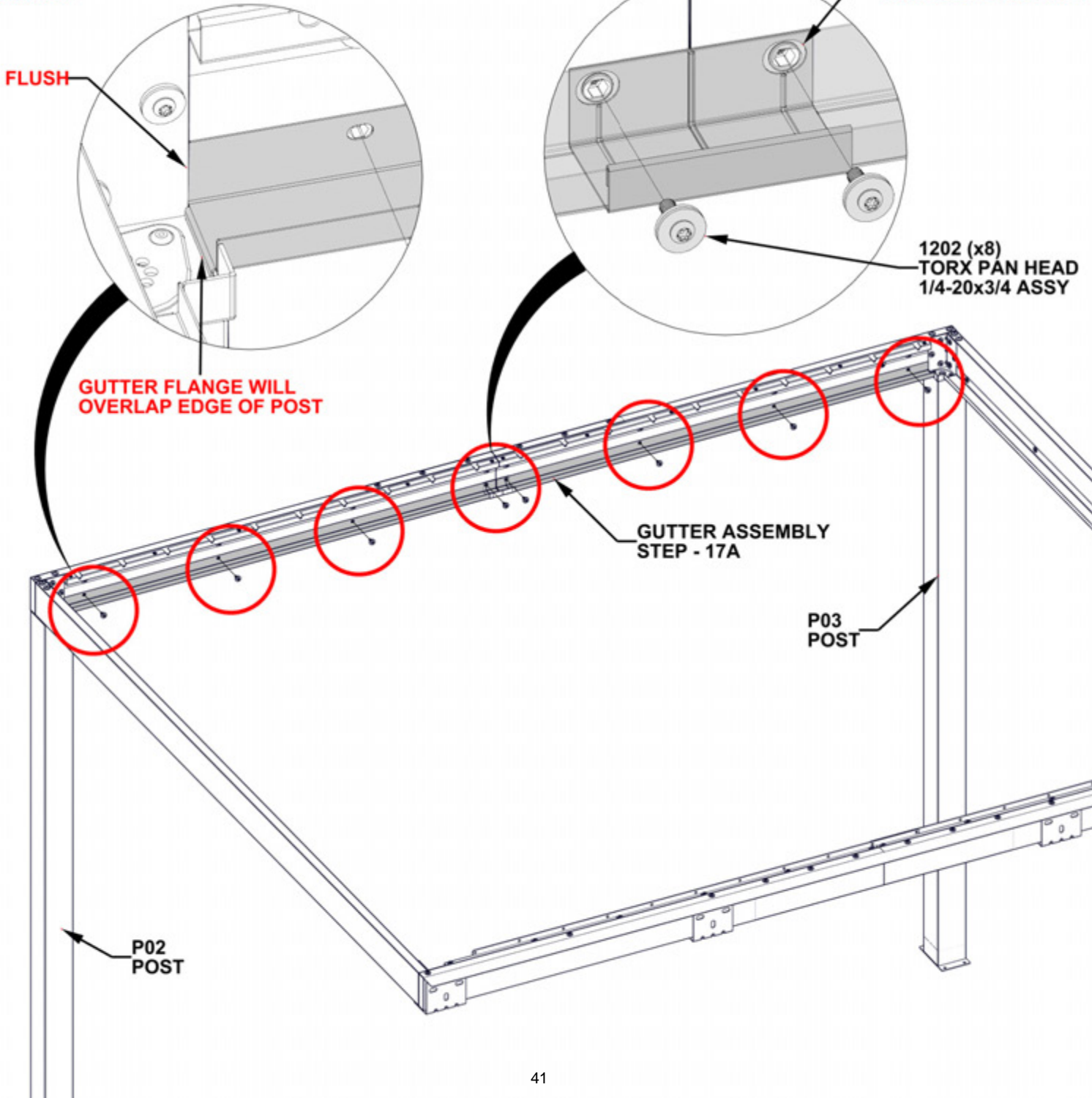


STEP 17B - FRONT BEAM GUTTER ATTACHMENT

Qty	PartNo	Description
8	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.



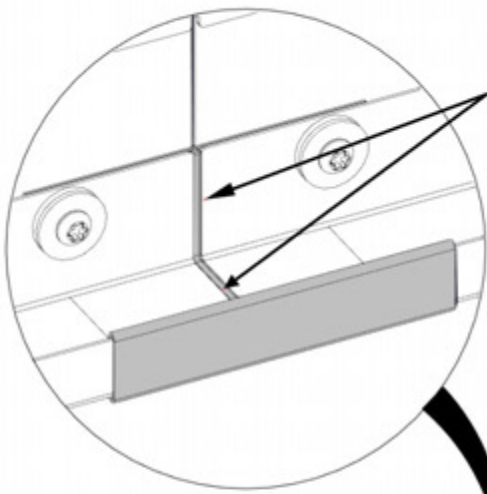
STEP 17C - FRONT BEAM GUTTER ATTACHMENT



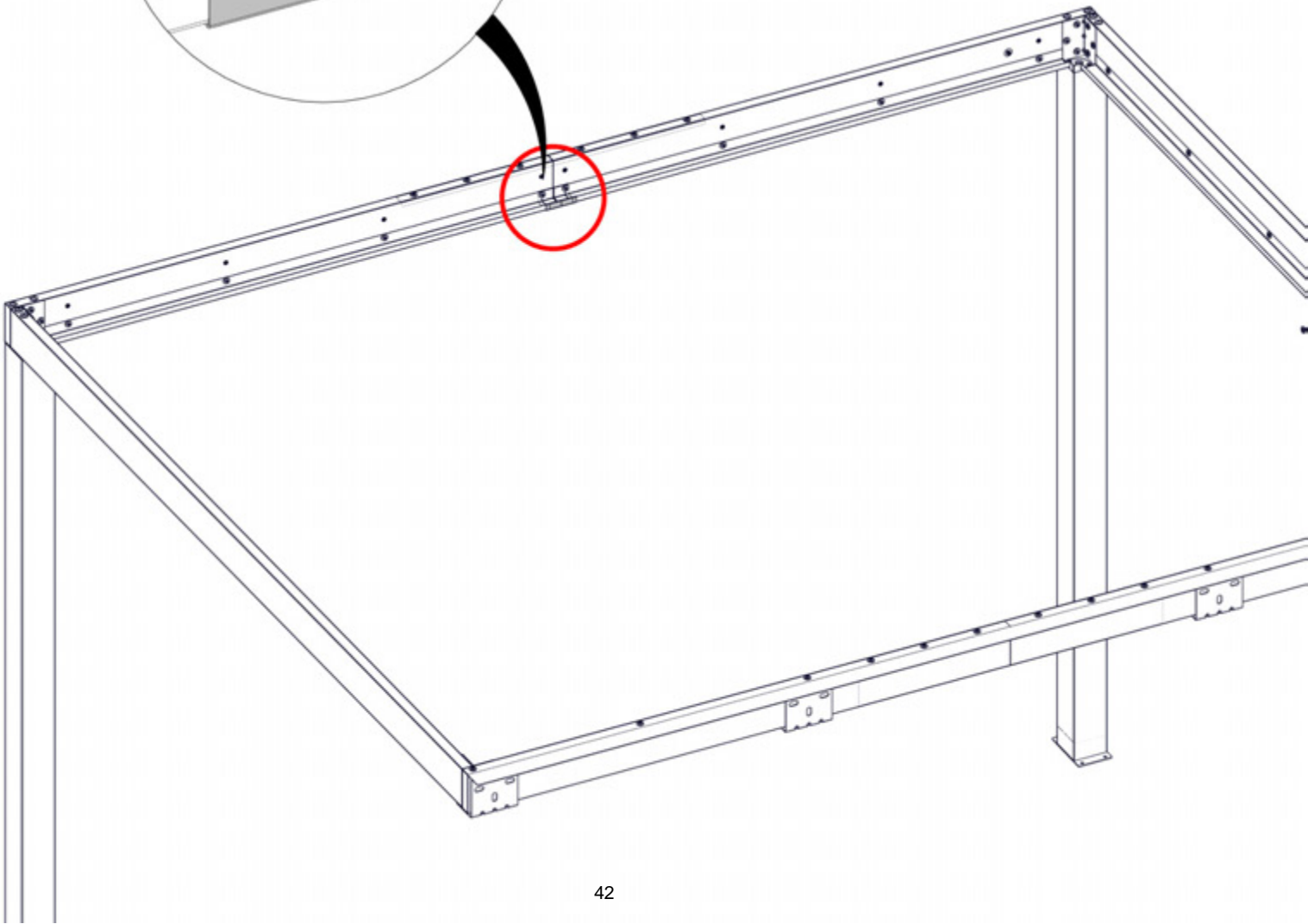
A6P00796 SILICONE
(x1)

- APPLY A FINE BEAD OF SILICONE ALONG INSIDE SURFACE OF GUTTER WHERE TWO GUTTER PIECES MEET.
- SMOOTH SILICONE ALONG SEAM, WIPING EXCESS USING A RAG OR PAPER TOWEL.

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



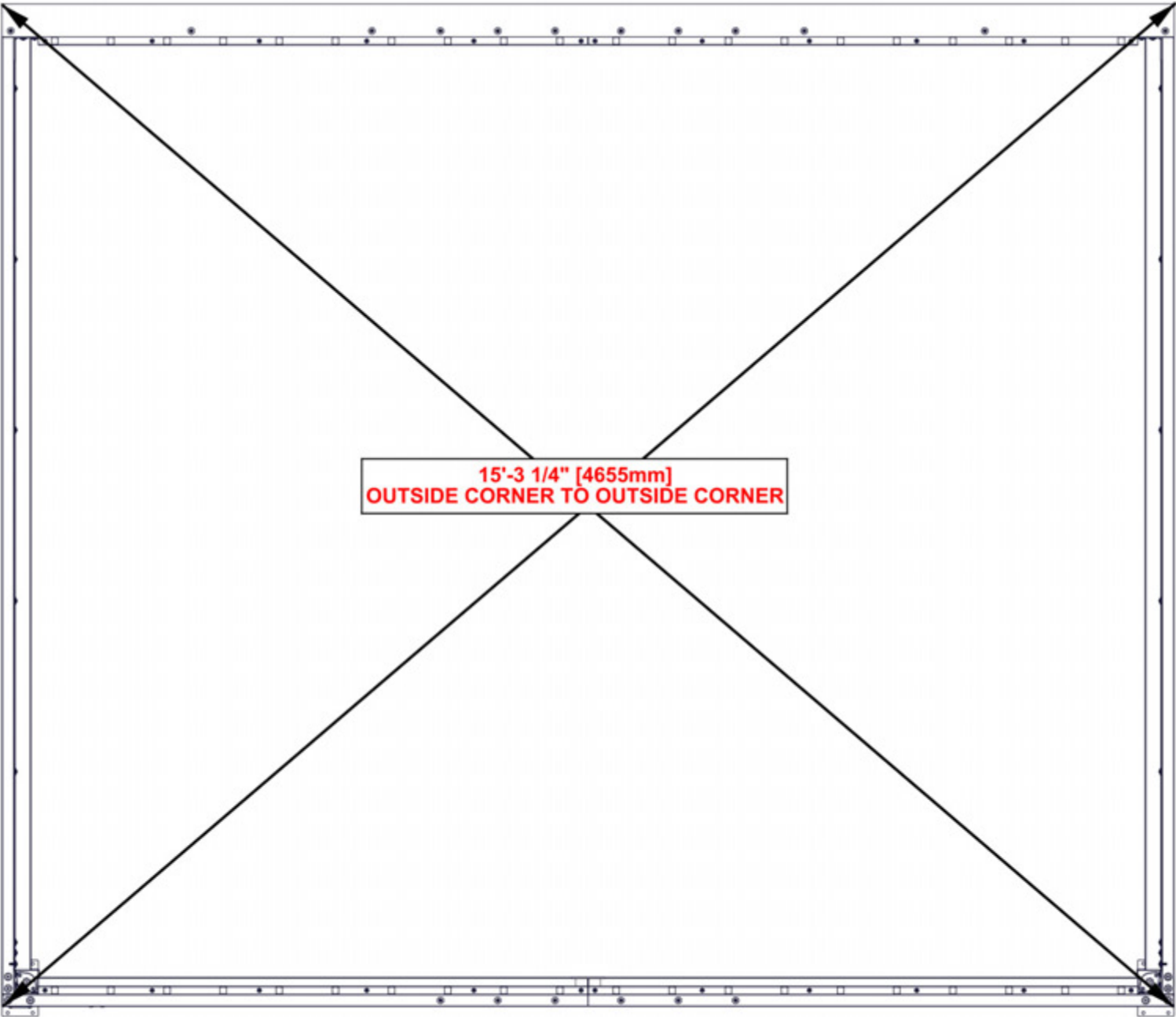
**APPLY A FINE BEAD OF
SILICONE ALONG INSIDE
SEAM OF GUTTER**



STEP 18 - 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 OUTSIDE CORNER TO OUTSIDE CORNER OF STRUCTURE



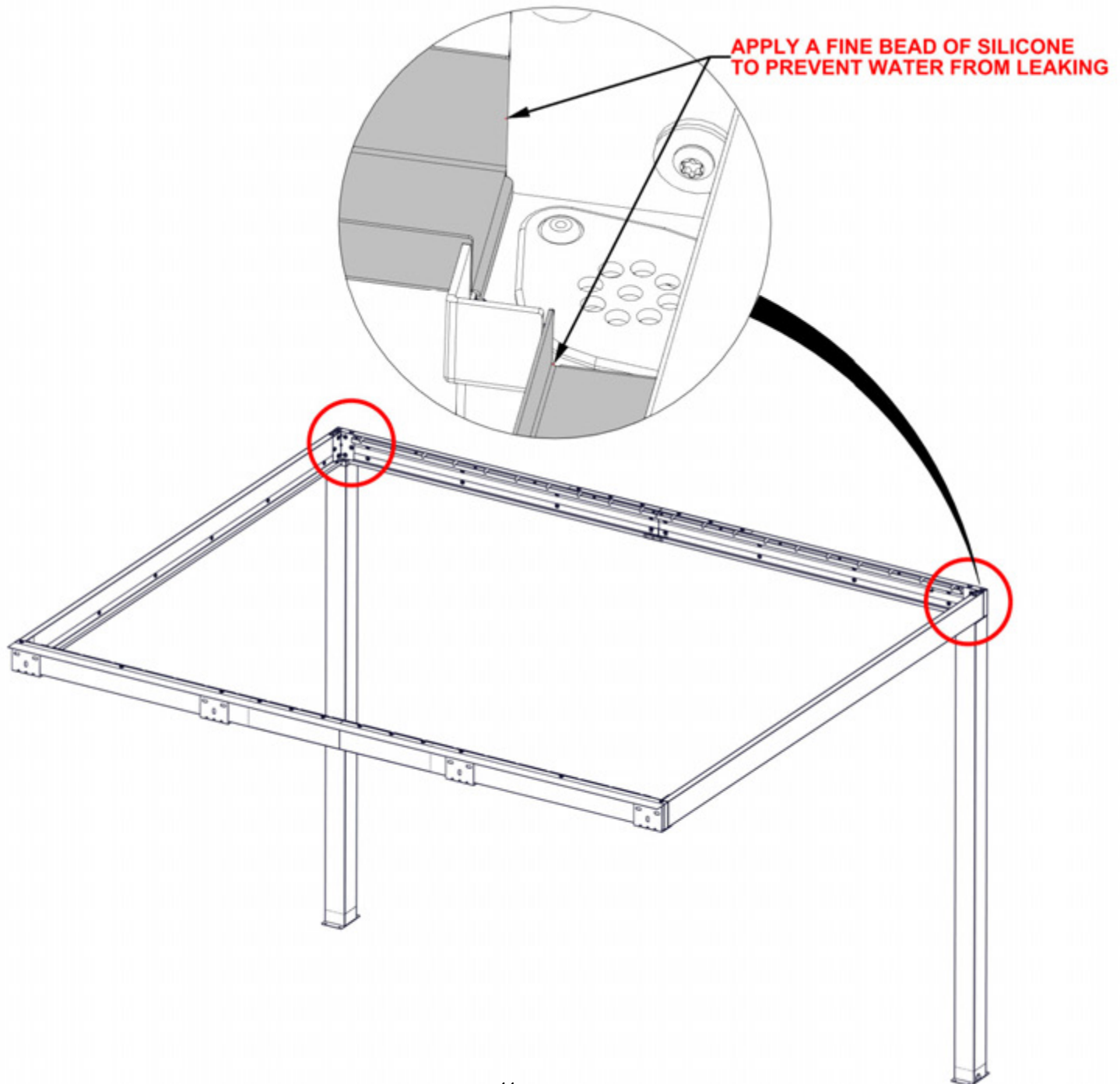
STEP 19 - GUTTER SEALANT



A6P00796 SILICONE
(x1)

- APPLY A FINE BEAD OF SILICONE ALONG INSIDE SURFACE OF GUTTER WHERE TWO GUTTER PIECES MEET.
- SMOOTH SILICONE ALONG SEAM, WIPING EXCESS USING A RAG OR PAPER TOWEL.

- GLOVES ARE RECOMMENDED WHEN APPLYING SILICONE.
- MAKE SURE SURFACE OF GUTTER IS CLEAN, DRY, AND FREE OF DIRT/DEBRIS.
- REPEAT THIS STEP FOR ALL GUTTER ATTACHMENT POINTS AT BOTH POST



STEP 20 - DRIVE LOUVER INSTALLATION

Qty	PartNo	Description
4	H100408	SCREW PWH 8x1/2 BLK

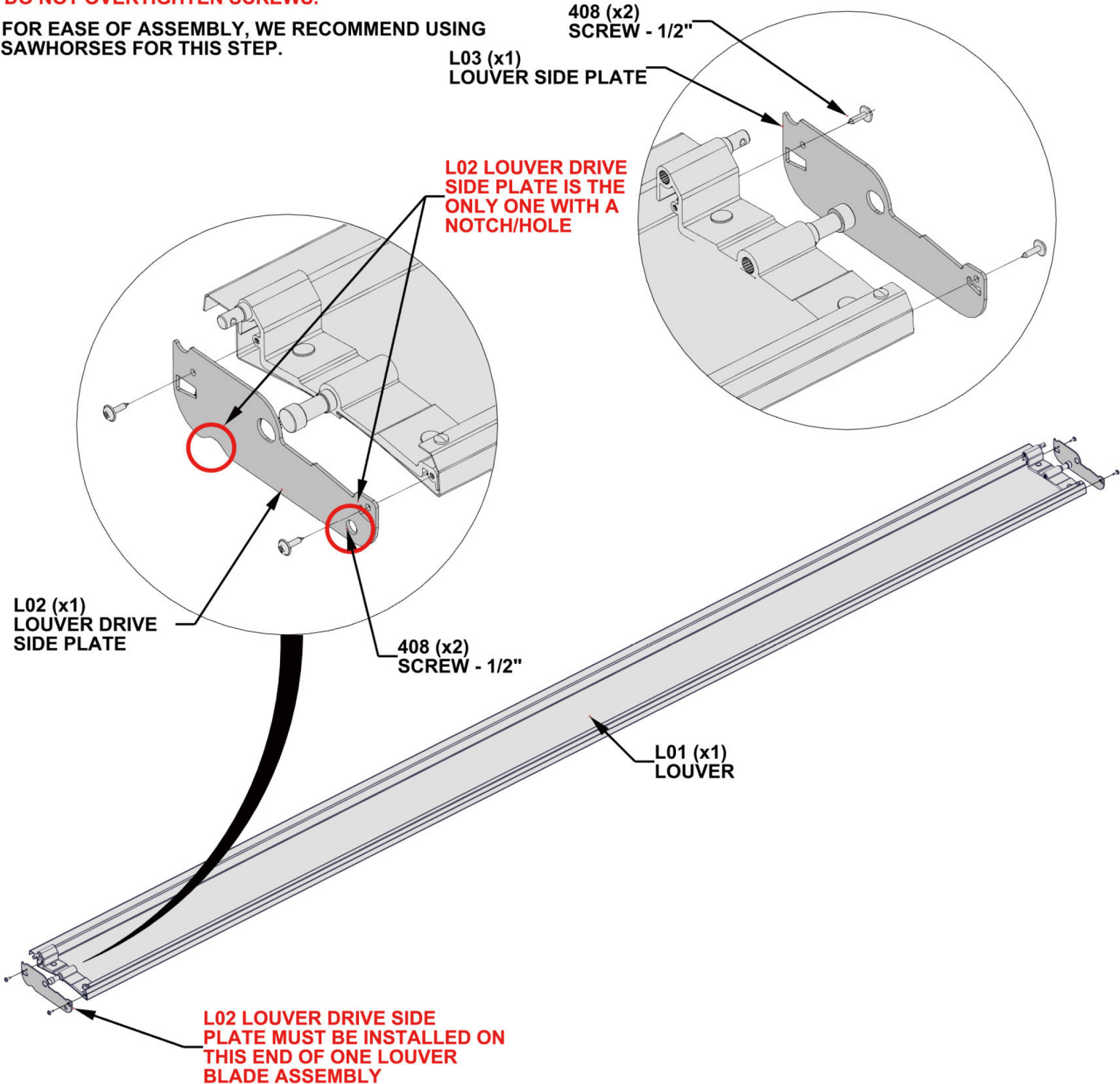
L03 LOUVER SIDE PLATE - A4M04138
(x1) 1/16"x2 3/16"x6 9/16" (2x55x167)

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

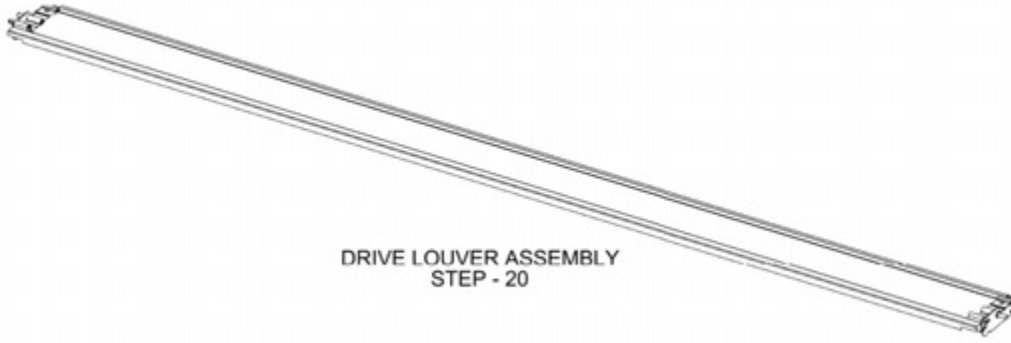
L01 LOUVER - A4M04137
(x1) 1 11/16"x7 3/4"x114 5/16" (42x196x2904)

- DO NOT OVERTIGHTEN SCREWS.

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

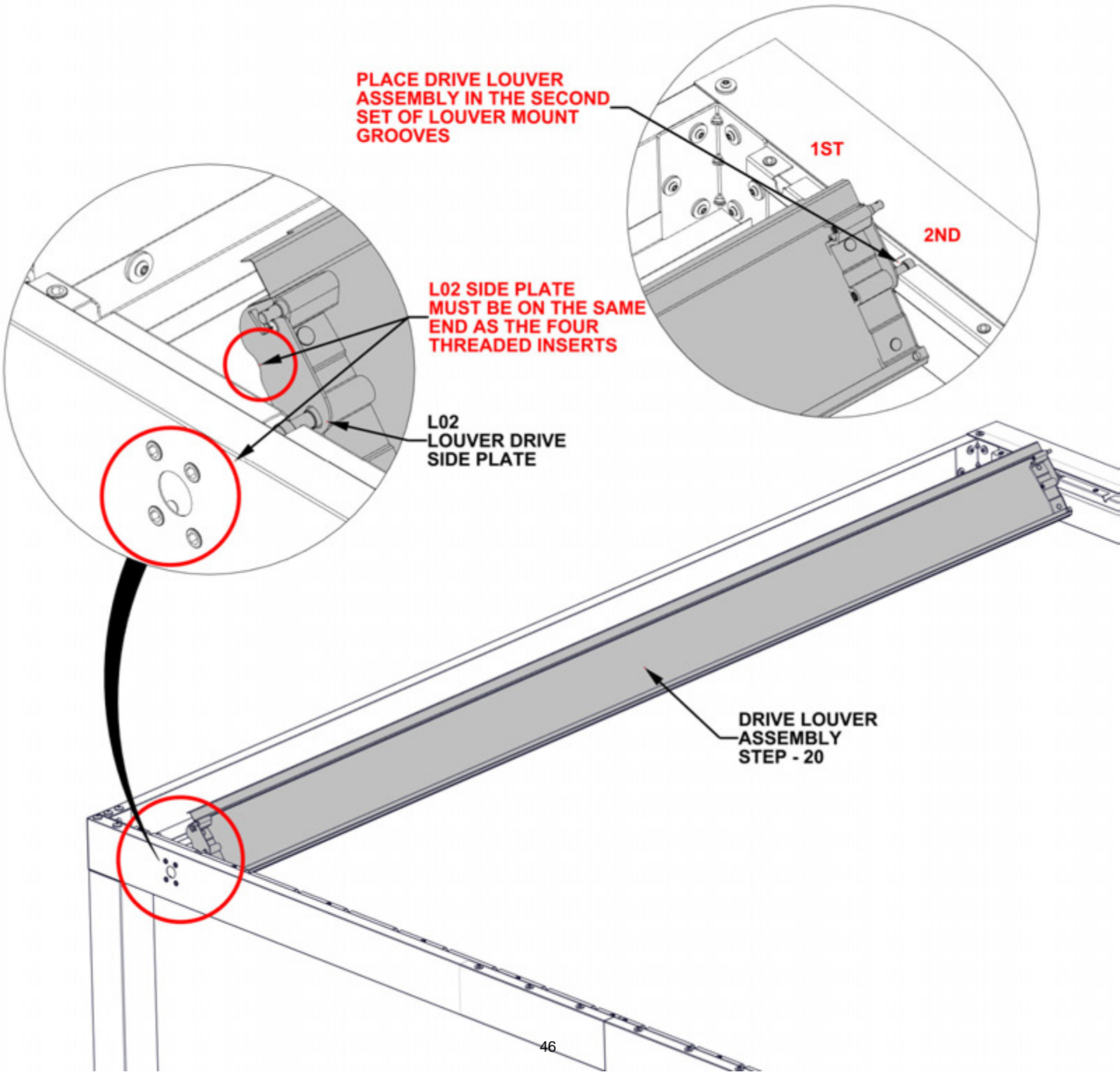


STEP 21- LOUVER INSTALLATION



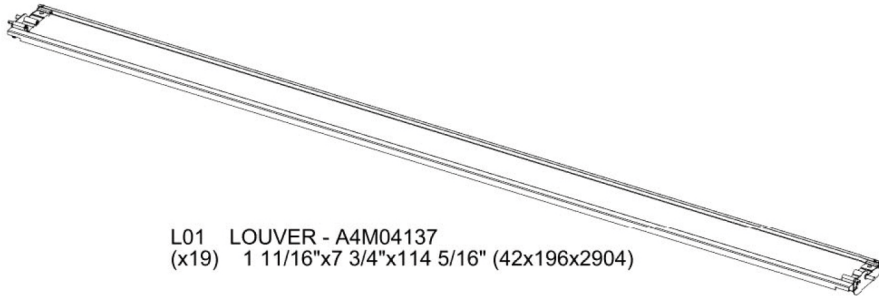
DRIVE LOUVER ASSEMBLY
STEP - 20

- 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 THE SAME SIDE AS FOUR THREADED INSERTS IN BEAM.

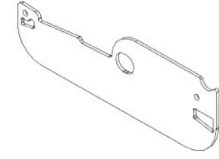


STEP 22 - LOUVER ASSEMBLY

Qty	PartNo	Description
76	H100408	SCREW PWH 8x1/2 BLK

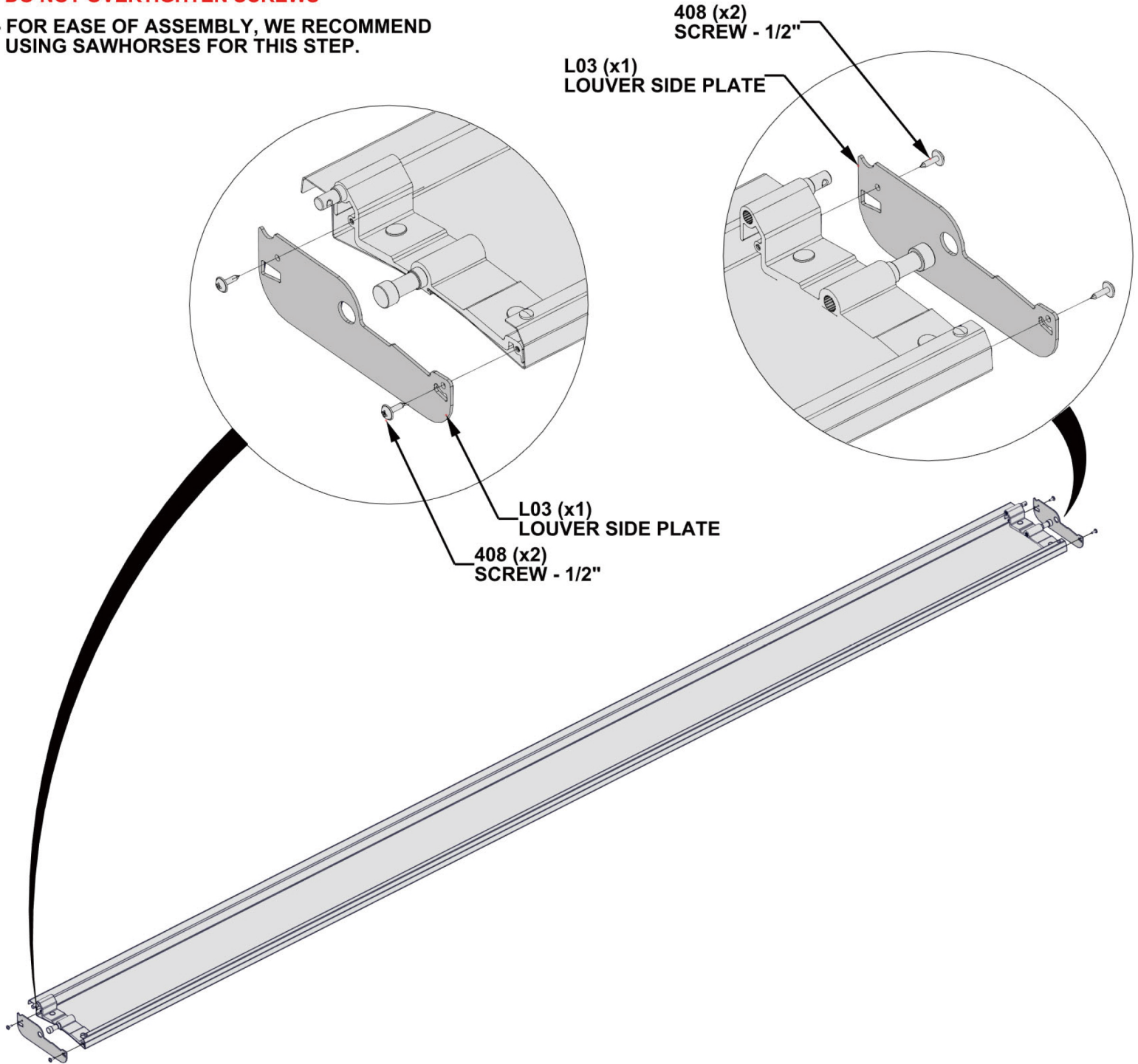


L01 LOUVER - A4M04137
(x19) 1 11/16"x7 3/4"x114 5/16" (42x196x2904)

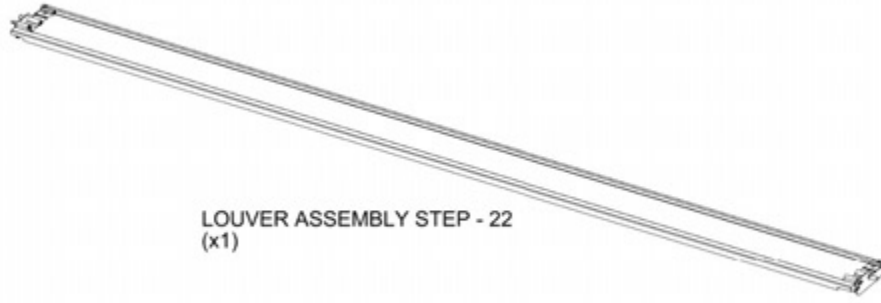


L03 LOUVER SIDE PLATE - A4M04138
(x38) 1/16"x2 3/16"x6 9/16" (2x55x167)

- REPEAT THIS STEP 19 TIMES.
- DO NOT OVERTIGHTEN SCREWS
- FOR EASE OF ASSEMBLY, WE RECOMMEND USING SAWHORSES FOR THIS STEP.

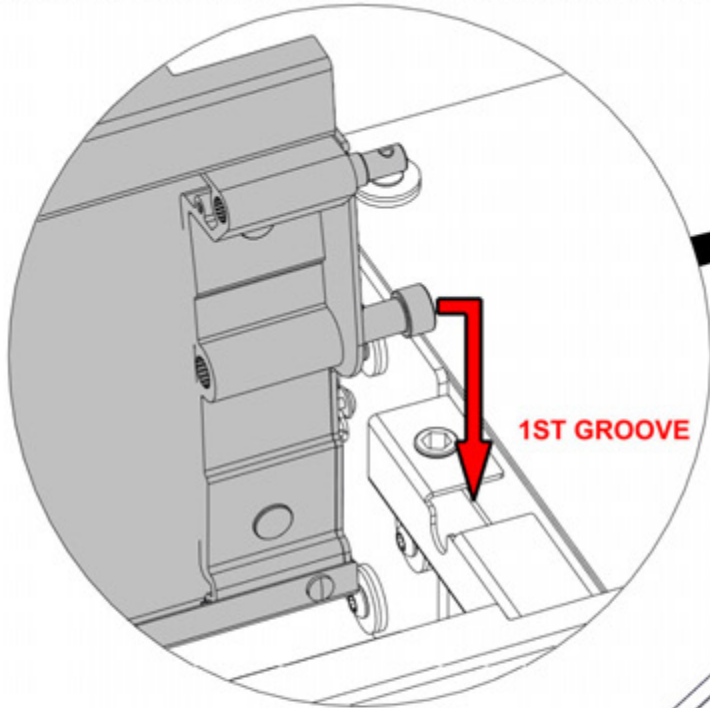


STEP 23A - LOUVER INSTALLATION



LOUVER ASSEMBLY STEP - 22
(x1)

- STARTING AT LEFT, PLACE THE LOUVER ASSEMBLY FROM STEP 22 INTO THE FIRST SET OF LOUVER MOUNT GROOVES AT THE BACK OF THE UNIT.
- PLACE THE ASSEMBLY DOWN IN THE CORRESPONDING GROOVES IN THE FRONT.



1ST GROOVE

LEFT

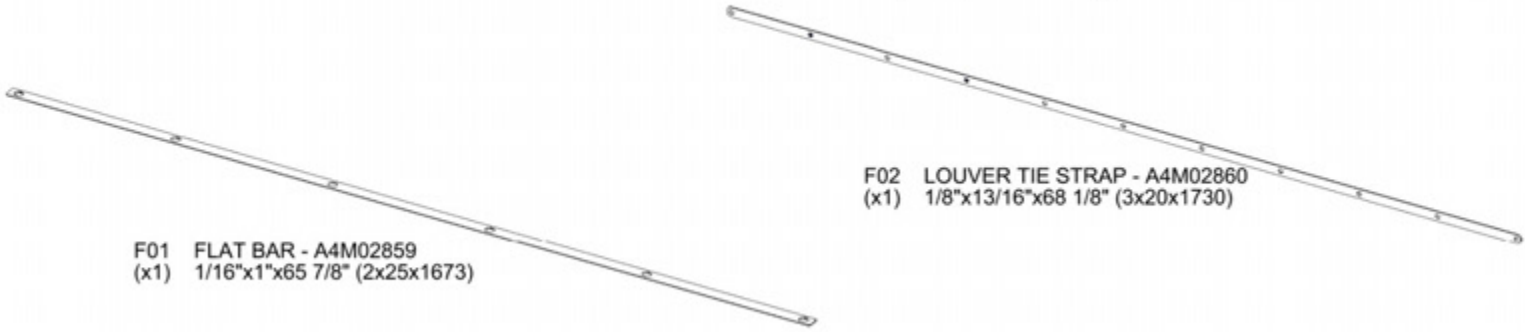
LOUVER ASSEMBLY
STEP - 22

DRIVE LOUVER ASSEMBLY
INSTALLED AT STEP 21

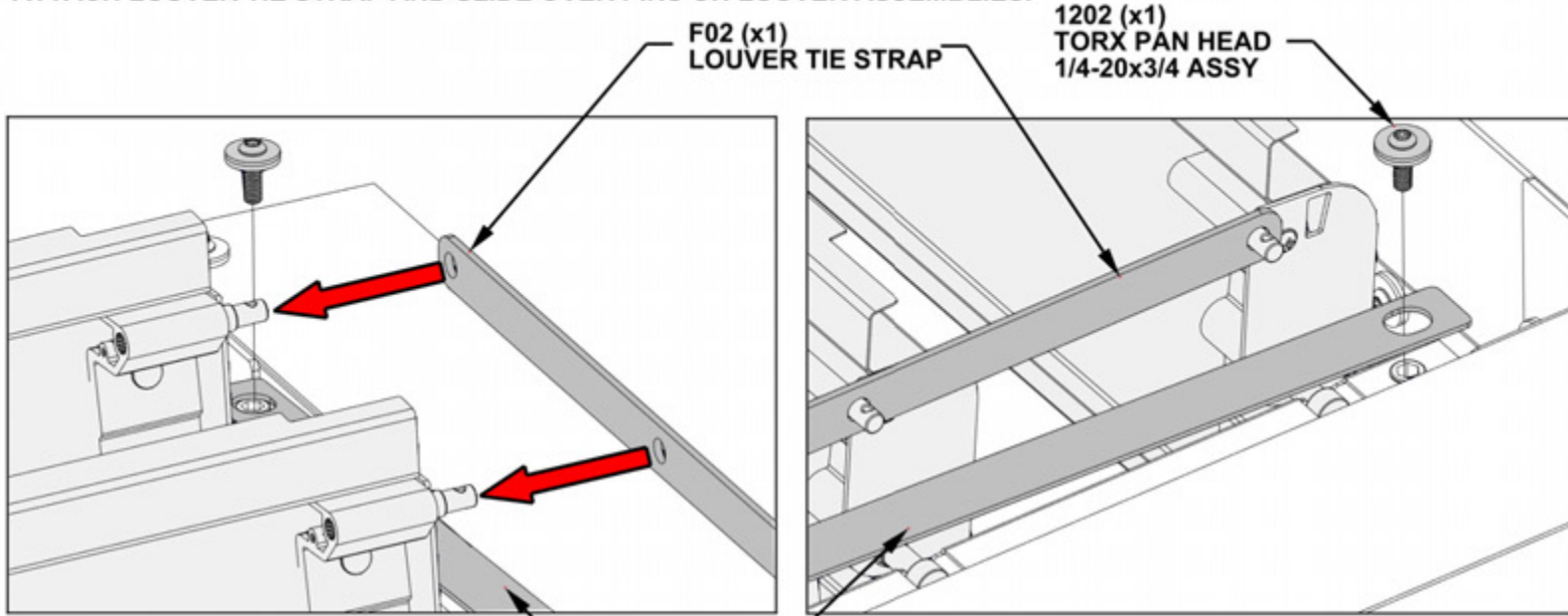
FRONT

STEP 23B - LOUVER INSTALLATION

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



- ON THE BACK SIDE, INSTALL FLAT BAR AND INSTALL ONE BOLT TO HOLD IN PLACE.
- ATTACH LOUVER TIE STRAP AND SLIDE OVER PINS ON LOUVER ASSEMBLIES.



VIEW FROM WALL

LOUVER ASSEMBLY
STEP - 22

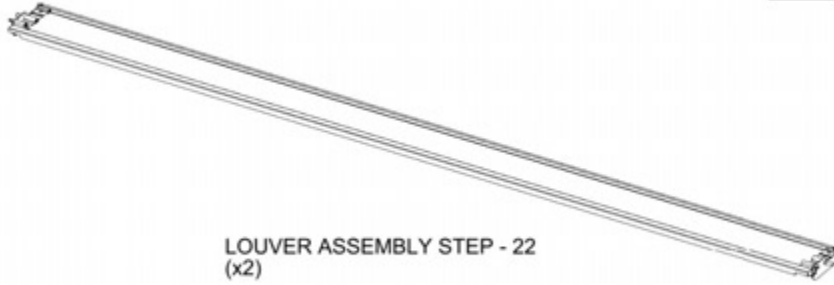
LEFT

DRIVE LOUVER
FROM STEP - 20

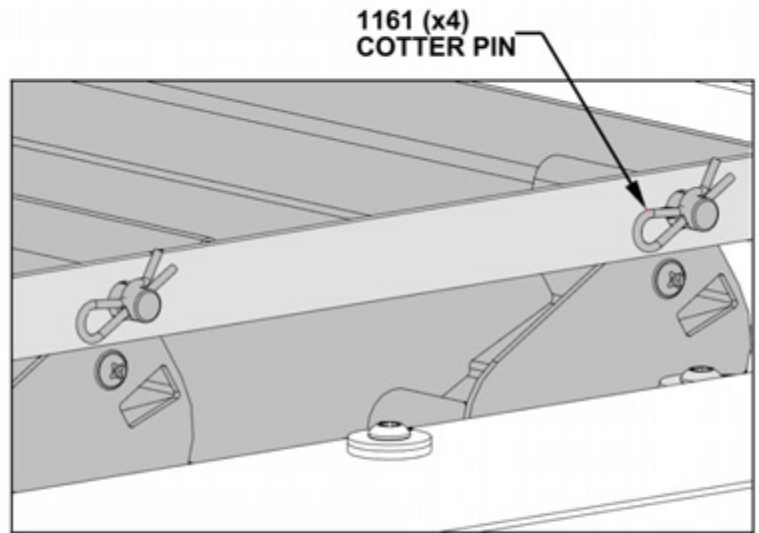
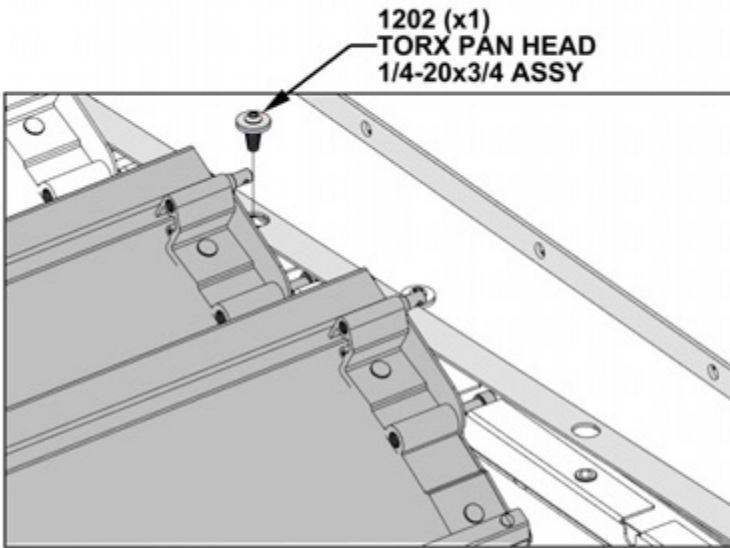
FRONT

STEP 23C - LOUVER INSTALLATION

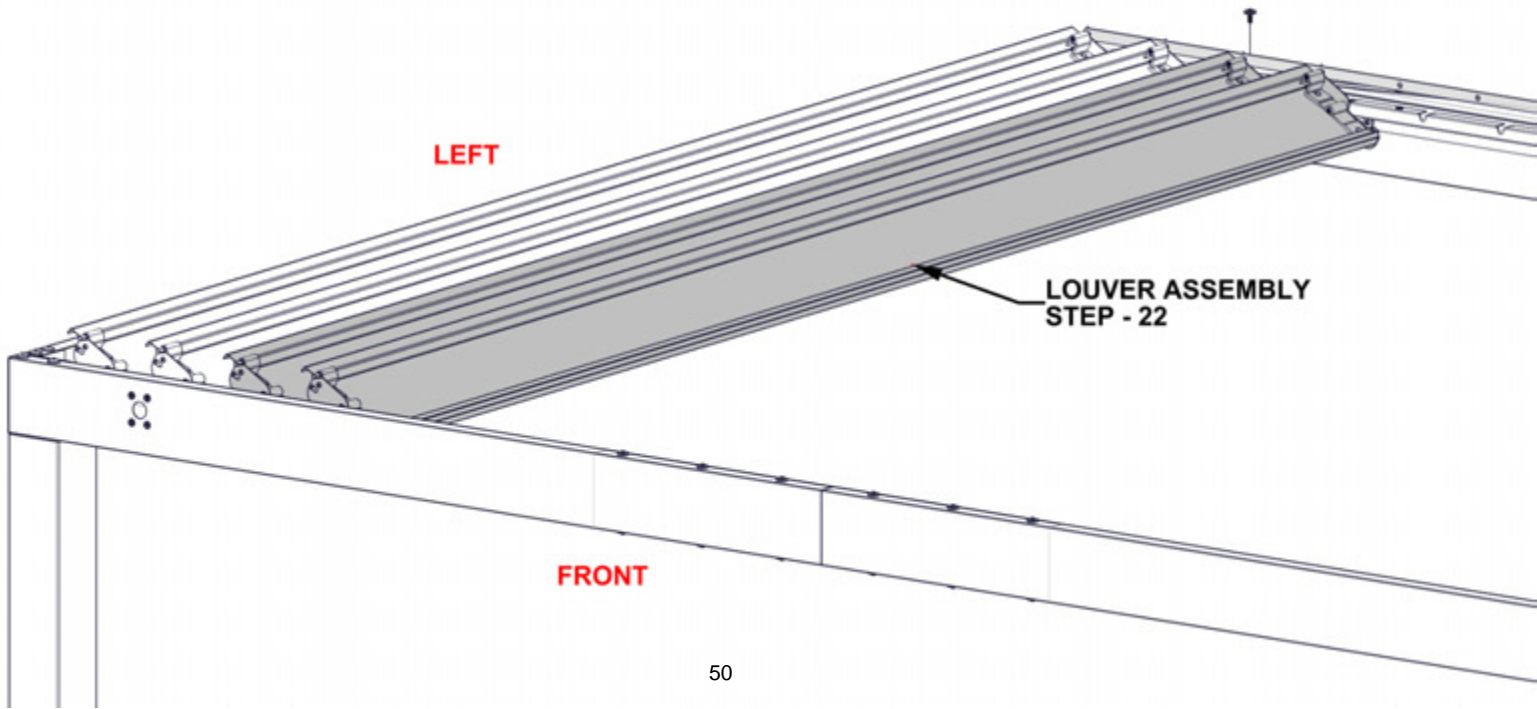
Qty	PartNo	Description
1	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY



- ON THE BACK SIDE, LIFT TIE STRAP AND FLAT BAR UP ENOUGH TO SLIDE LOUVERS INTO GROOVES IN LOUVER MOUNTS.
- SLIDE TIE STRAP ONTO PINS ON LOUVER ASSEMBLIES.
- SET LOUVER ASSEMBLIES IN CORRESPONDING HOLES IN FRONT OF UNIT.
- **MAKE SURE ALL LOUVER BLADE ASSEMBLIES ARE ORIENTED IN THE SAME DIRECTION.**
- ATTACH COTTER PINS TO EACH OF THE INSTALLED LOUVERS BLADES ON THE BACK SIDE.

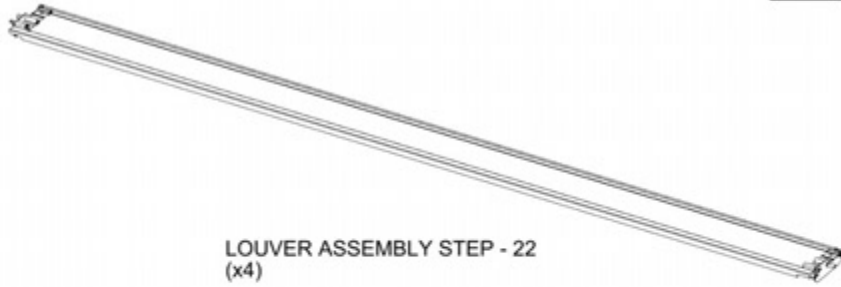


VIEW FROM WALL

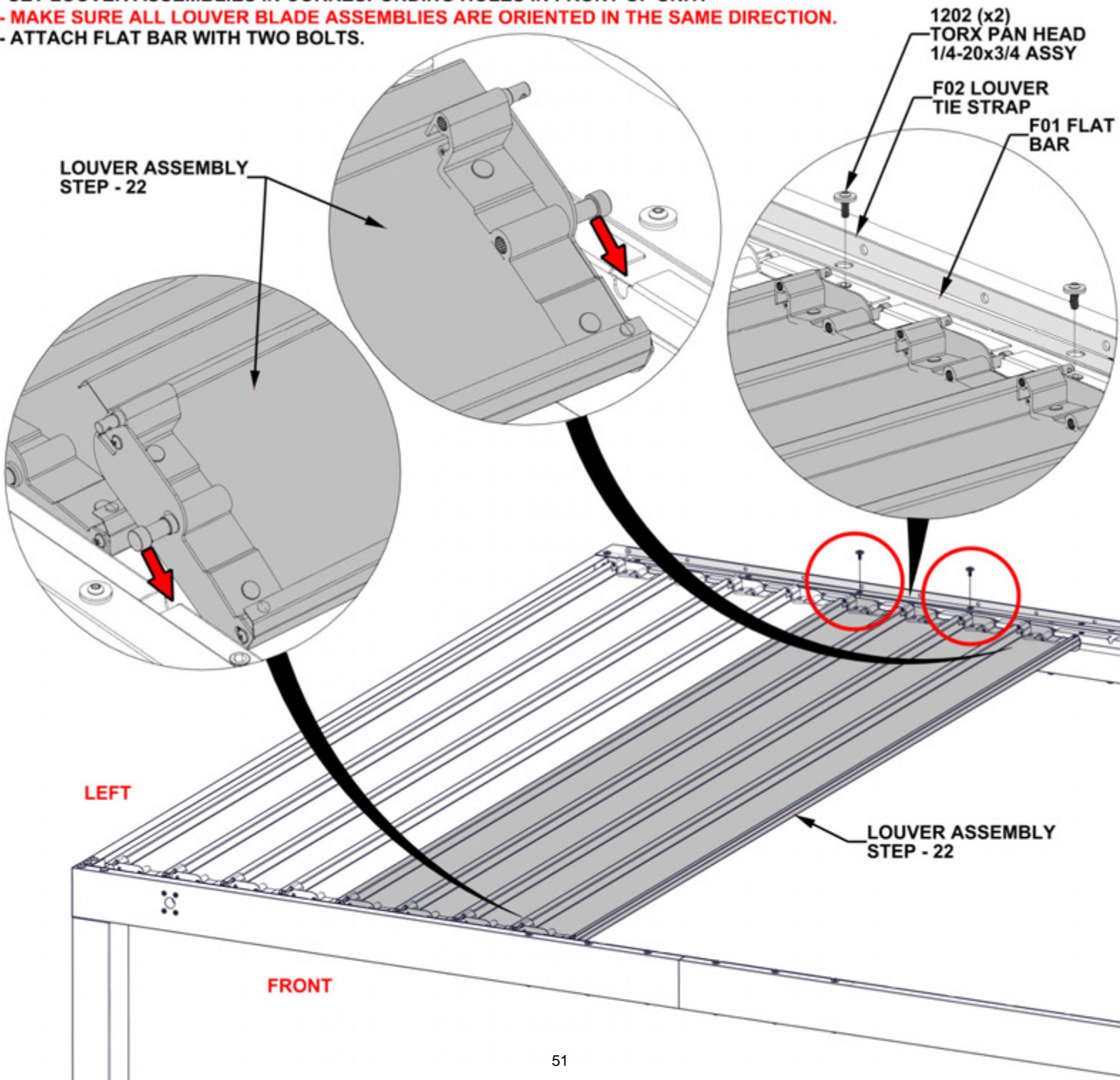


STEP 23D - LOUVER INSTALLATION

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



- ON THE BACK SIDE, LIFT TIE STRAP AND FLAT BAR UP ENOUGH TO SLIDE LOUVERS INTO GROOVES IN LOUVER MOUNTS.
- SLIDE TIE STRAP ONTO PINS ON LOUVER ASSEMBLIES.
- SET LOUVER ASSEMBLIES IN CORRESPONDING HOLES IN FRONT OF UNIT.
- **MAKE SURE ALL LOUVER BLADE ASSEMBLIES ARE ORIENTED IN THE SAME DIRECTION.**
- ATTACH FLAT BAR WITH TWO BOLTS.

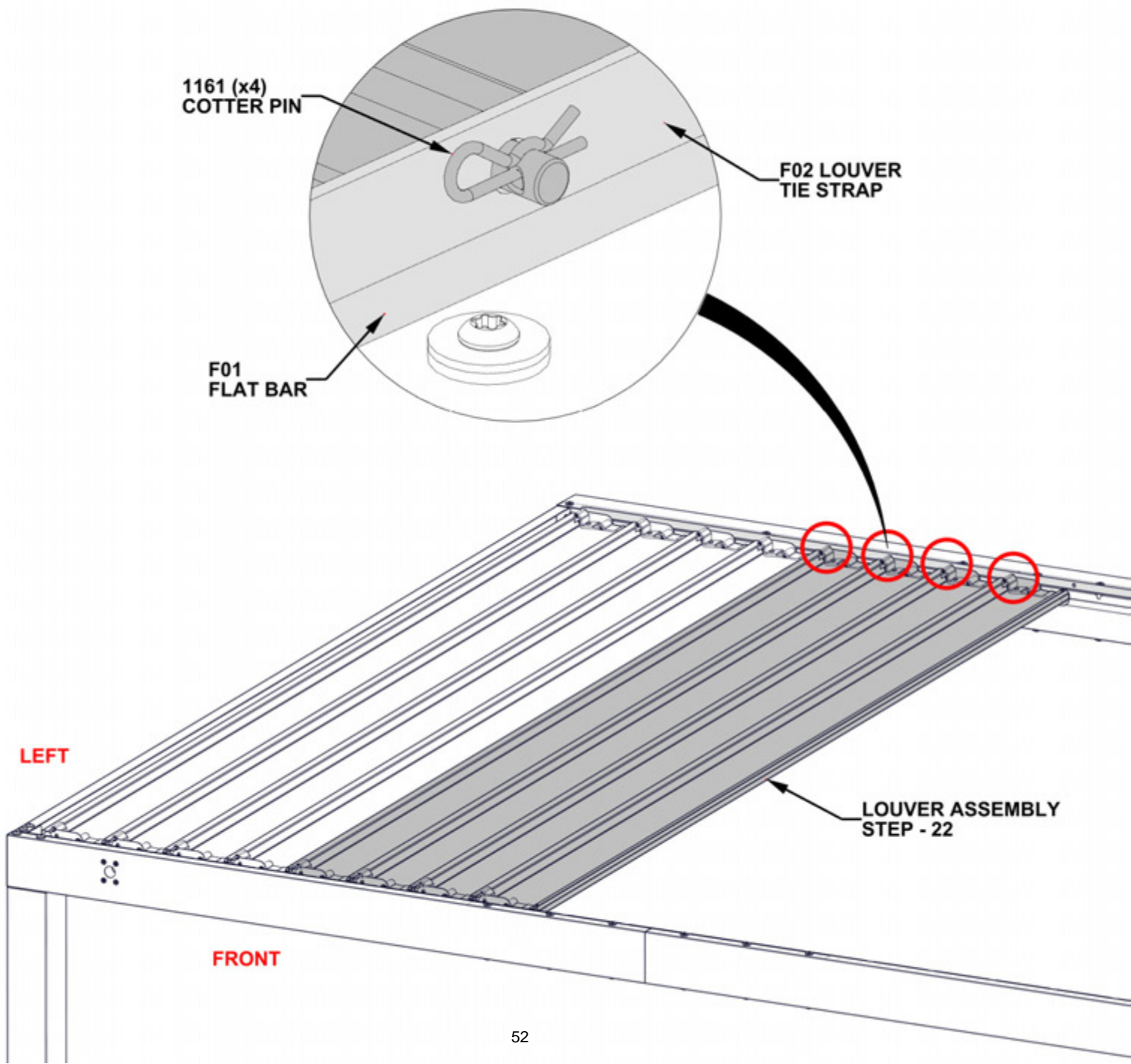


STEP 23E - LOUVER INSTALLATION



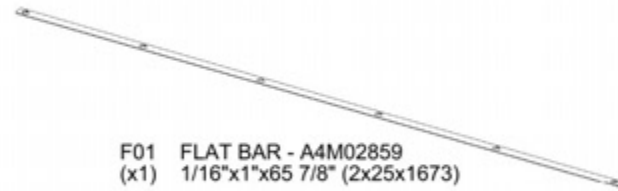
H101161 COTTER PIN
(x4)

- MAKE SURE ALL LOUVER BLADE ASSEMBLIES ARE ORIENTED IN THE SAME DIRECTION.
- ATTACH COTTER PINS TO EACH OF THE INSTALLED LOUVERS BLADES ON THE BACK SIDE.

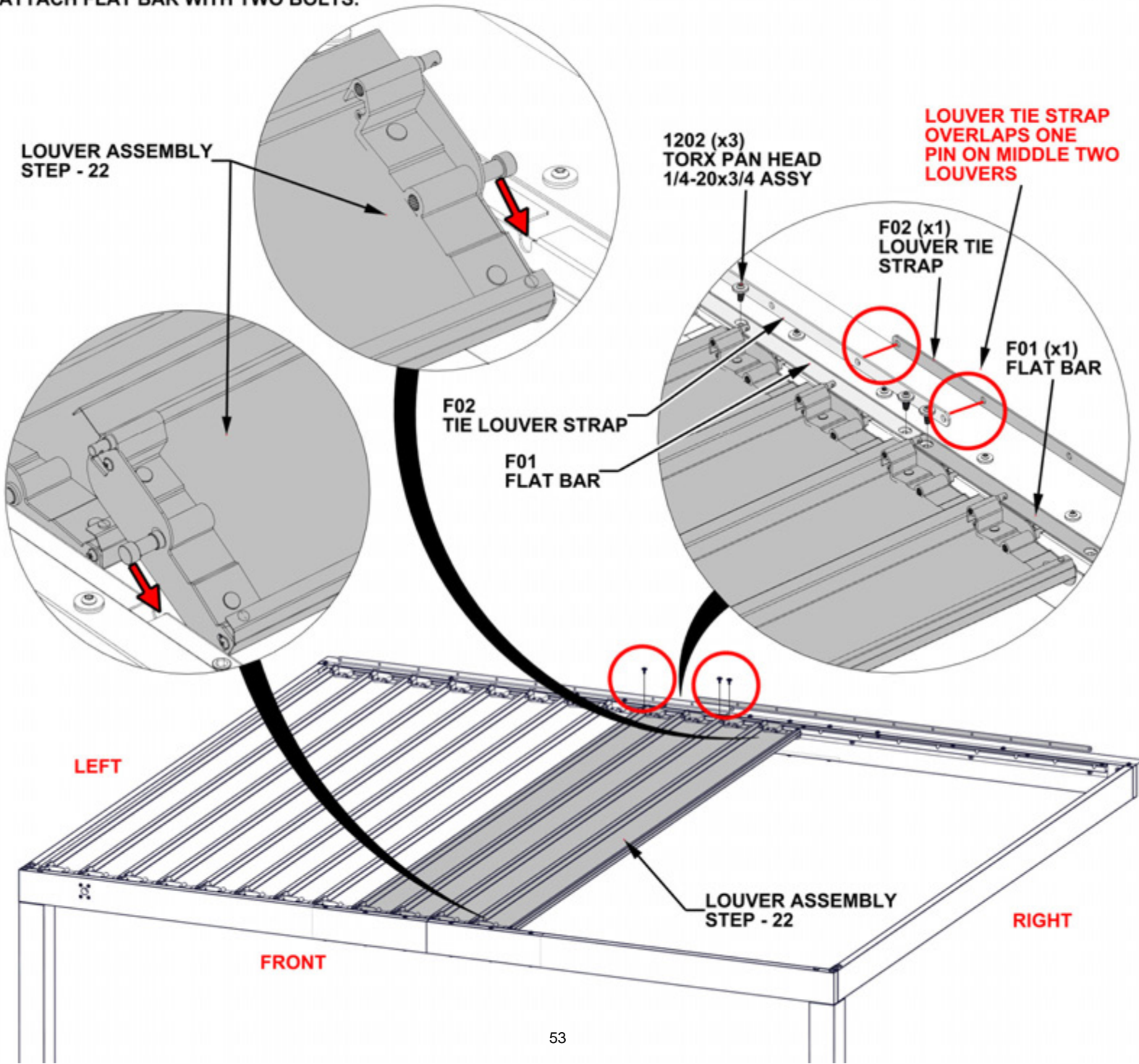


STEP 23F - LOUVER INSTALLATION

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



- ON THE BACK SIDE, LIFT TIE STRAP AND FLAT BAR UP ENOUGH TO SLIDE LOUVERS INTO GROOVES IN LOUVER MOUNTS.
- SLIDE TIE STRAP ONTO PINS ON LOUVER ASSEMBLIES.
- SET LOUVER ASSEMBLIES IN CORRESPONDING HOLES IN FRONT OF UNIT.
- **MAKE SURE ALL LOUVER BLADE ASSEMBLIES ARE ORIENTED IN THE SAME DIRECTION.**
- ATTACH FLAT BAR WITH TWO BOLTS.

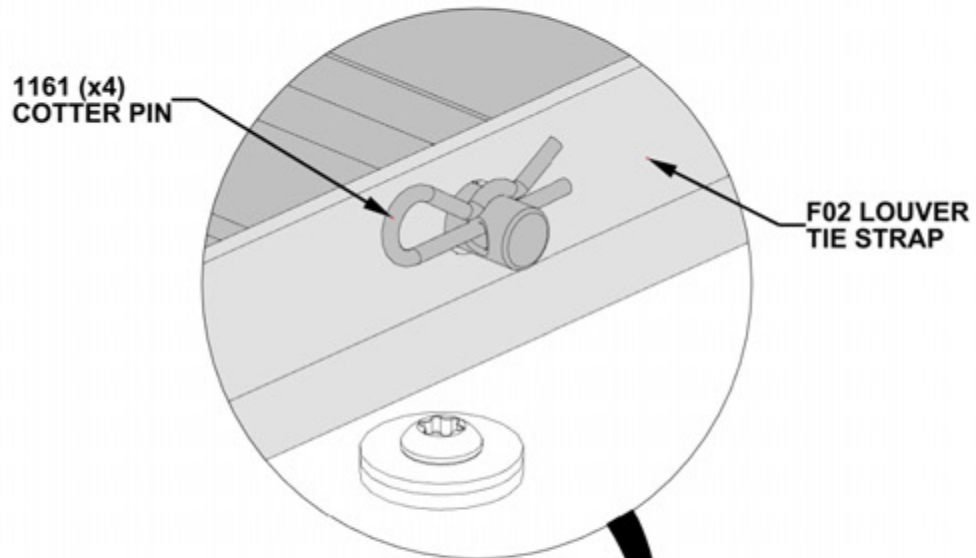


STEP 23G - LOUVER INSTALLATION



H101161 COTTER PIN
(x4)

- MAKE SURE ALL LOUVER BLADE ASSEMBLIES ARE ORIENTED IN THE SAME DIRECTION.
- ATTACH COTTER PINS TO EACH OF THE INSTALLED LOUVERS BLADES ON THE BACK SIDE.



LEFT

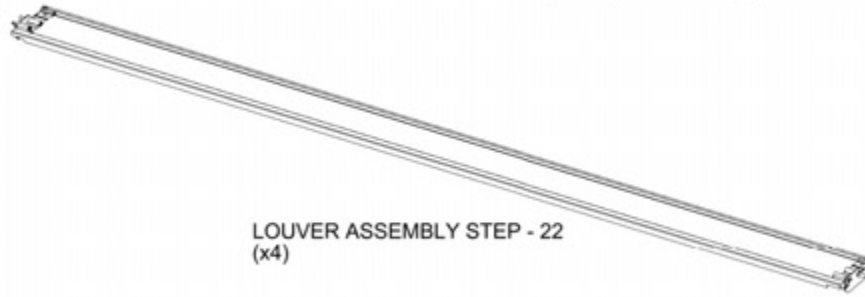
FRONT

RIGHT

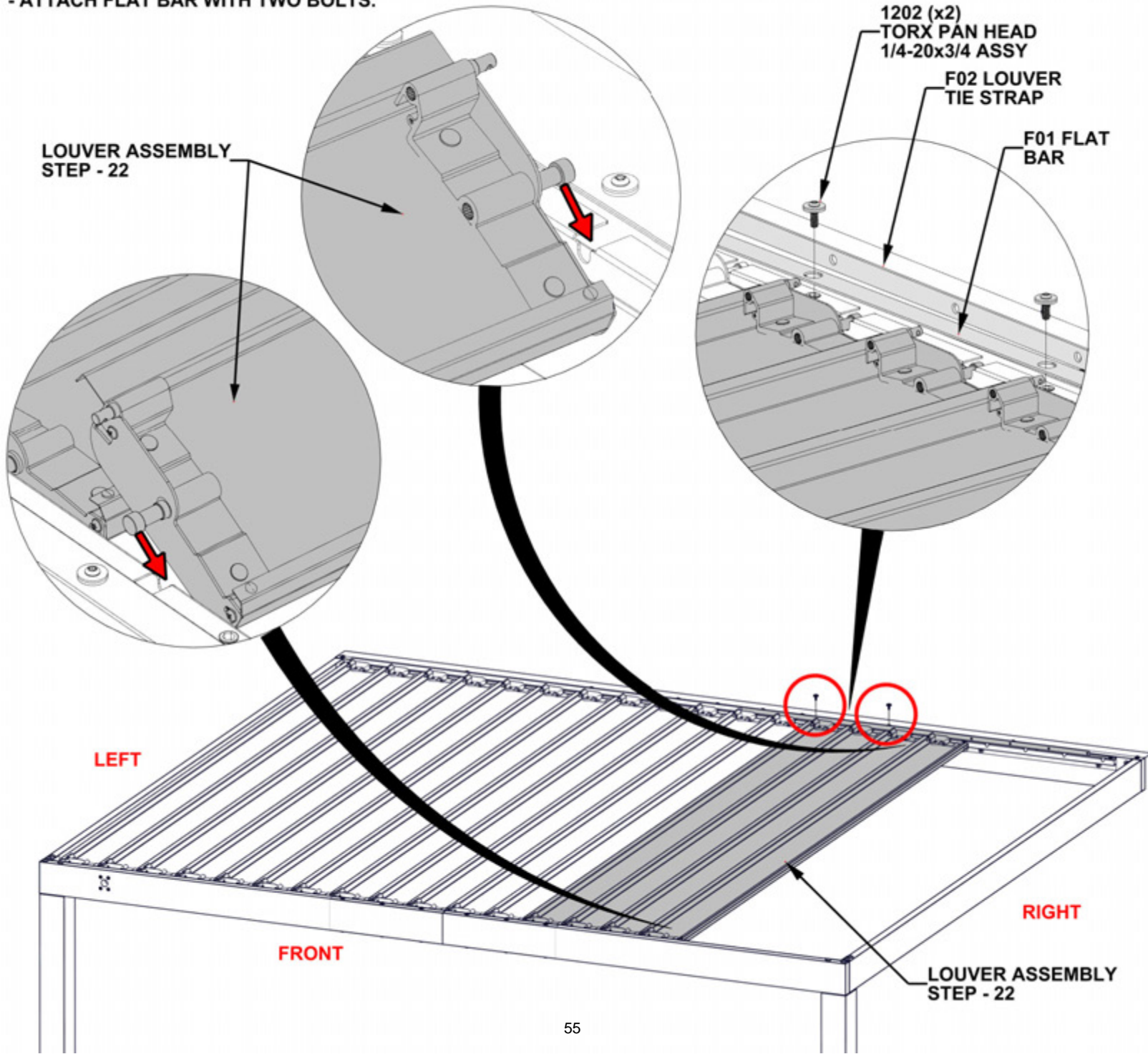
LOUVER ASSEMBLY
STEP - 22

STEP 23H - LOUVER INSTALLATION

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



- ON THE BACK SIDE, LIFT TIE STRAP AND FLAT BAR UP ENOUGH TO SLIDE LOUVERS INTO GROOVES IN LOUVER MOUNTS.
- SLIDE TIE STRAP ONTO PINS ON LOUVER ASSEMBLIES.
- SET LOUVER ASSEMBLIES IN CORRESPONDING HOLES IN FRONT OF UNIT.
- **MAKE SURE ALL LOUVER BLADE ASSEMBLIES ARE ORIENTED IN THE SAME DIRECTION.**
- ATTACH FLAT BAR WITH TWO BOLTS.

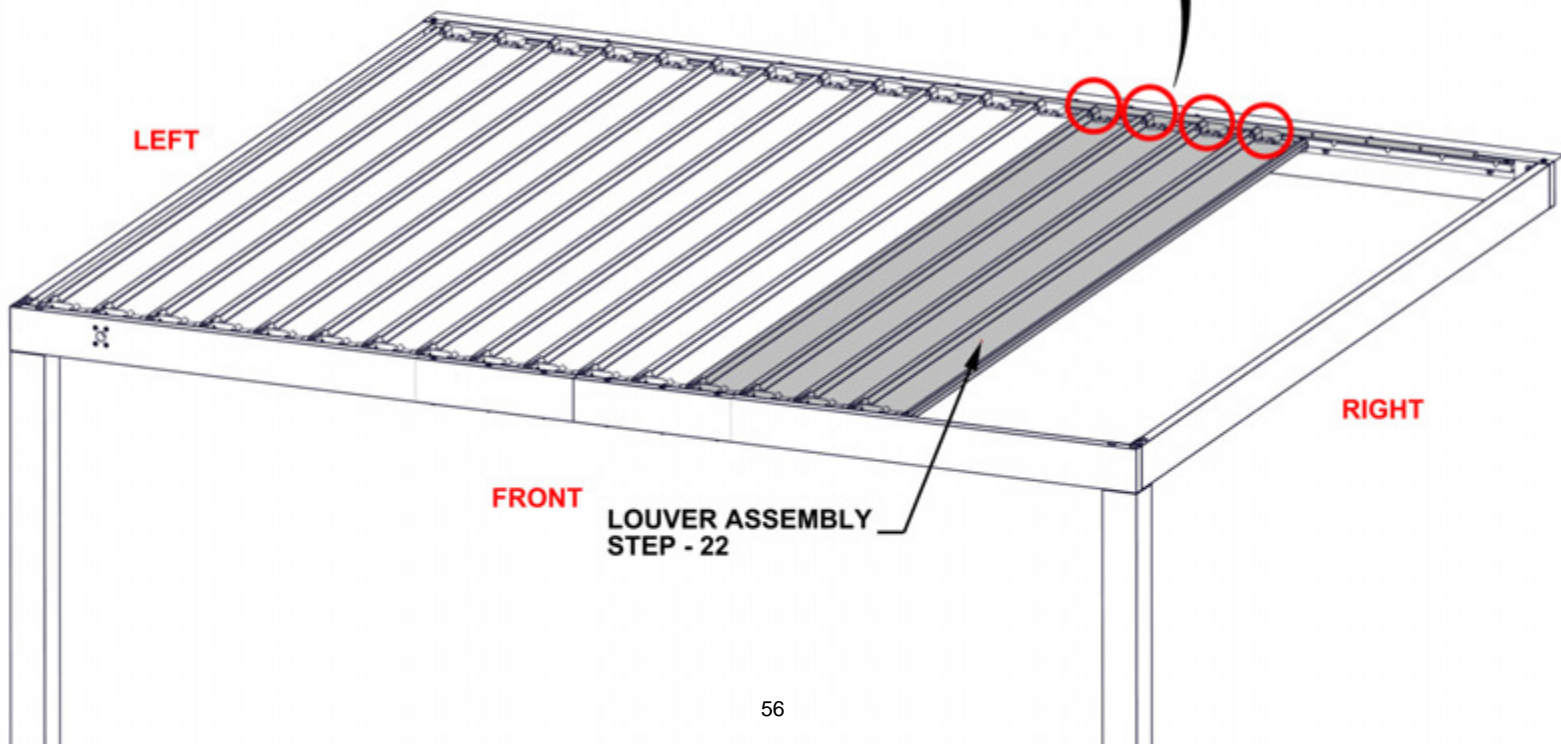
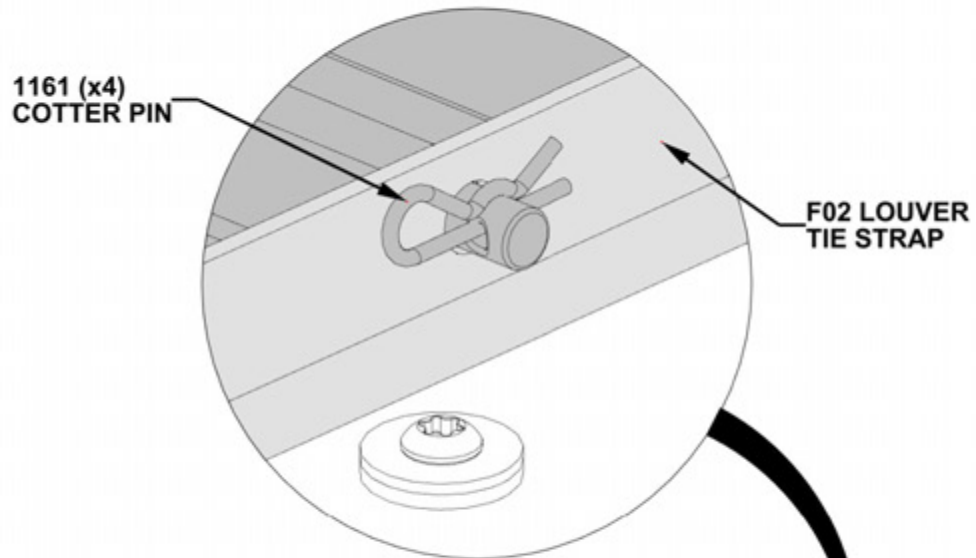


STEP 23I - LOUVER INSTALLATION



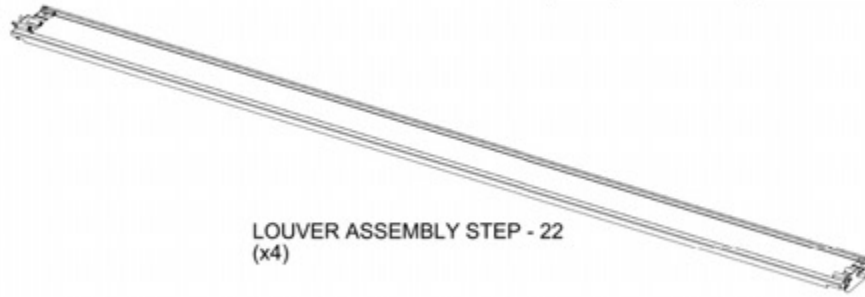
H101161 COTTER PIN
(x4)

- MAKE SURE ALL LOUVER BLADE ASSEMBLIES ARE ORIENTED IN THE SAME DIRECTION.
- ATTACH COTTER PINS TO EACH OF THE INSTALLED LOUVERS BLADES ON THE BACK SIDE.

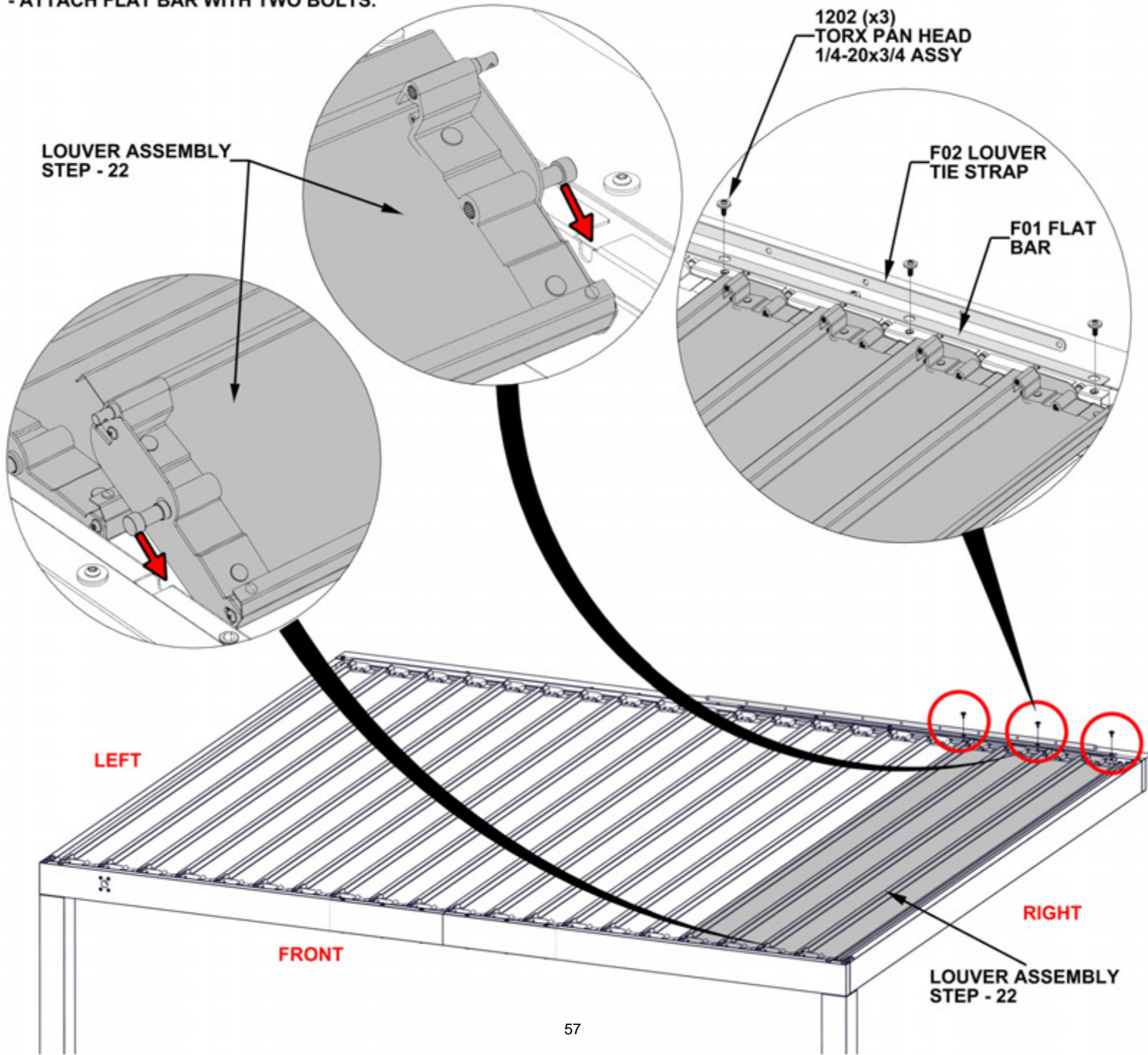


STEP 23J - LOUVER INSTALLATION

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



- ON THE BACK SIDE, LIFT TIE STRAP AND FLAT BAR UP ENOUGH TO SLIDE LOUVERS INTO GROOVES IN LOUVER MOUNTS.
- SLIDE TIE STRAP ONTO PINS ON LOUVER ASSEMBLIES.
- SET LOUVER ASSEMBLIES IN CORRESPONDING HOLES IN FRONT OF UNIT.
- **MAKE SURE ALL LOUVER BLADE ASSEMBLIES ARE ORIENTED IN THE SAME DIRECTION.**
- ATTACH FLAT BAR WITH TWO BOLTS.

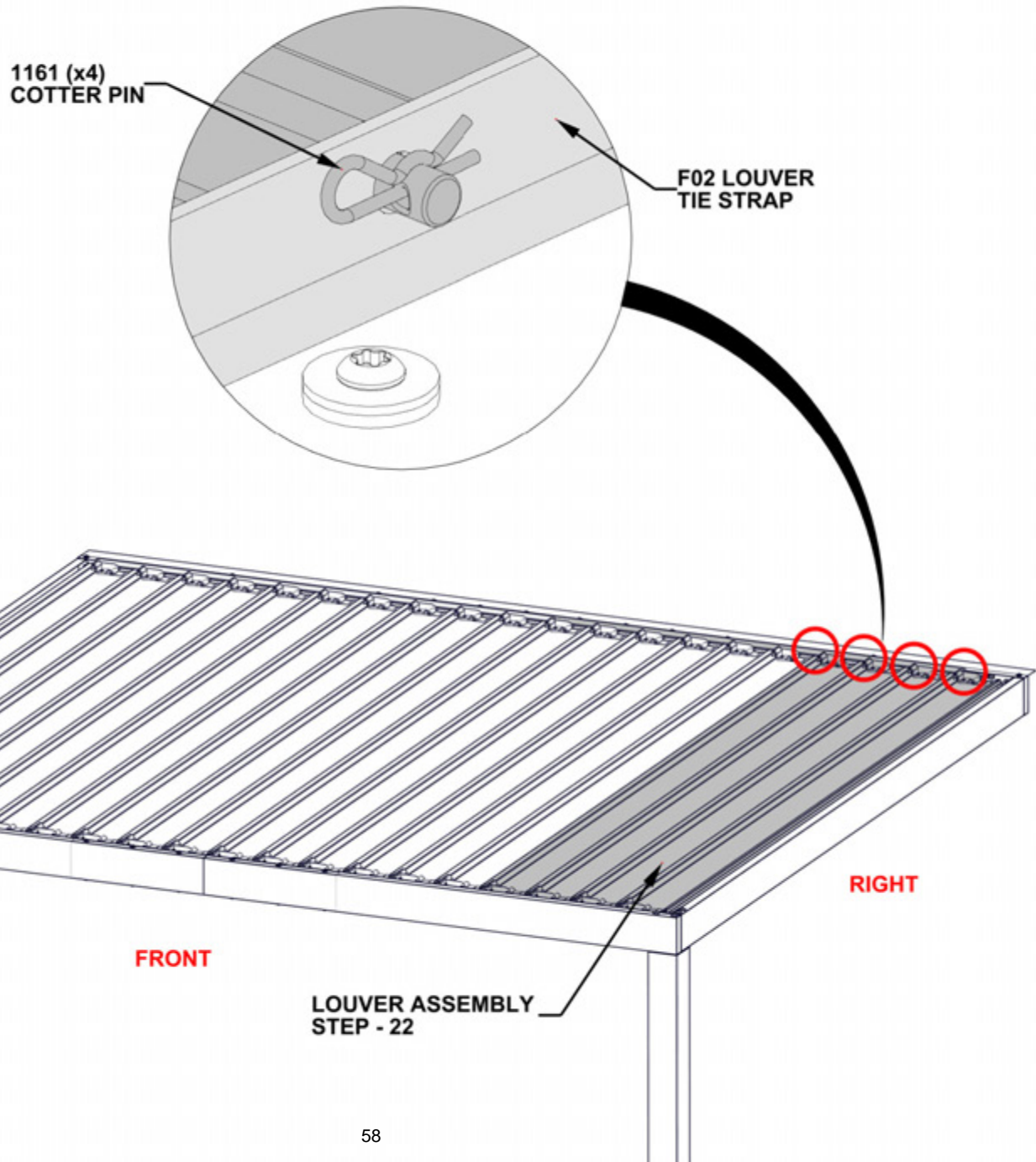


STEP 23K - LOUVER INSTALLATION



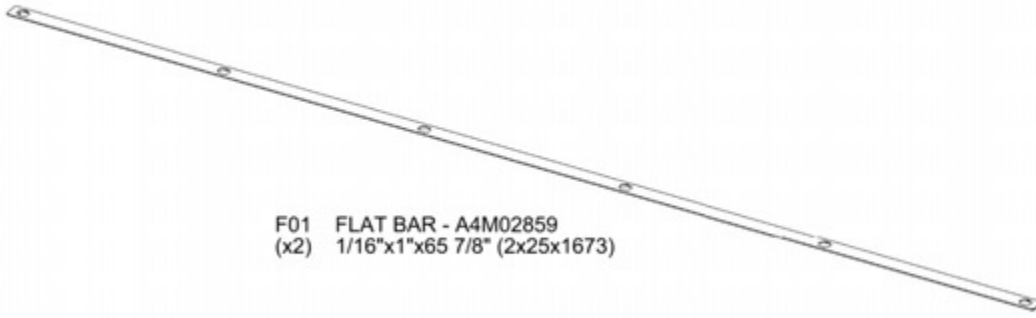
H101161 COTTER PIN
(x4)

- MAKE SURE ALL LOUVER BLADE ASSEMBLIES ARE ORIENTED IN THE SAME DIRECTION.
- ATTACH COTTER PINS TO EACH OF THE INSTALLED LOUVERS BLADES ON THE BACK SIDE.

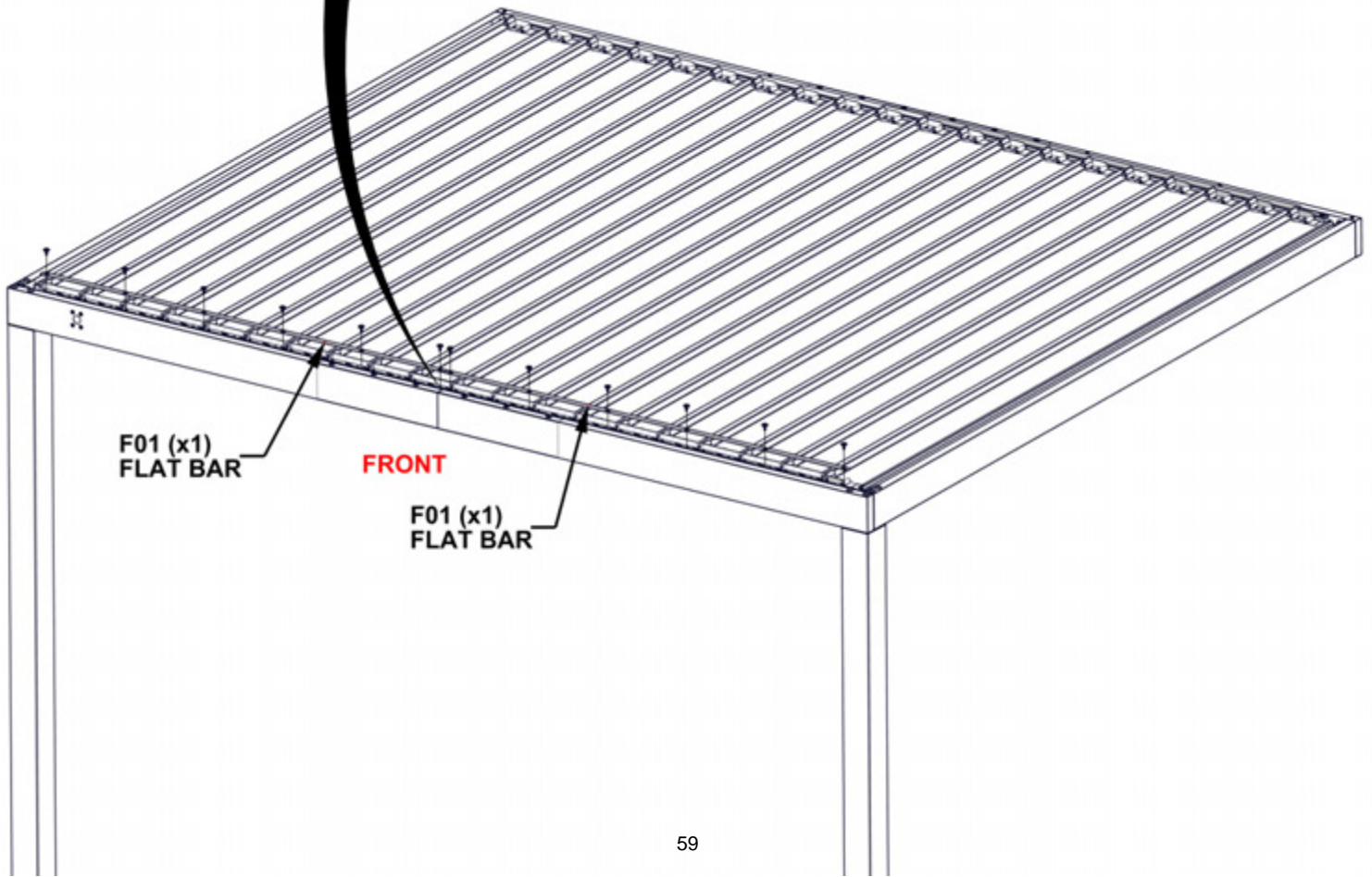
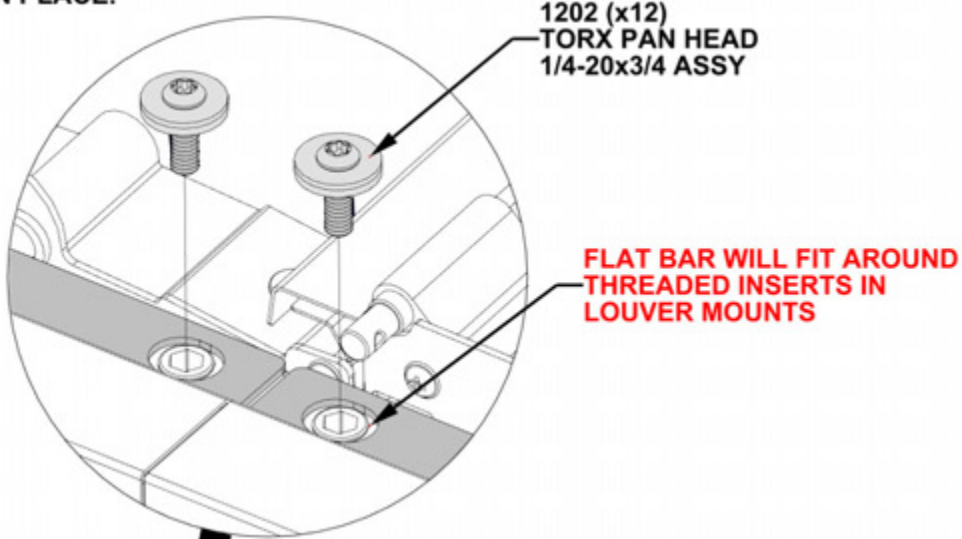


STEP 24 - LOUVER INSTALLATION

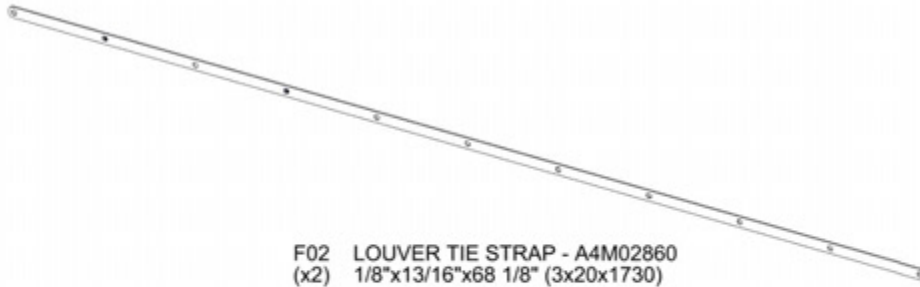
Qty	PartNo	Description
12	H101202	TORX PAN HEAD 1/4-20x3/4 ASSY



- ON THE FRONT SIDE, ATTACH FLAT BAR ALONG EACH LOUVER MOUNT. FLAT BAR WILL HOLD ALL LOUVERS IN PLACE.

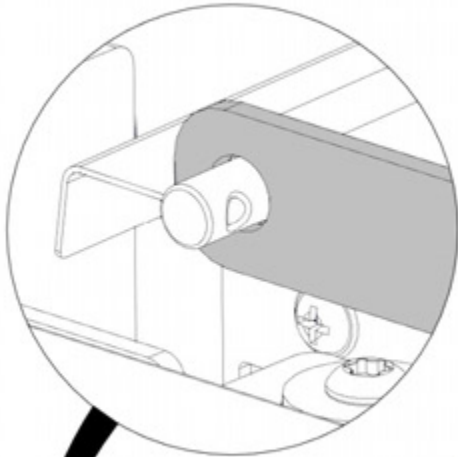
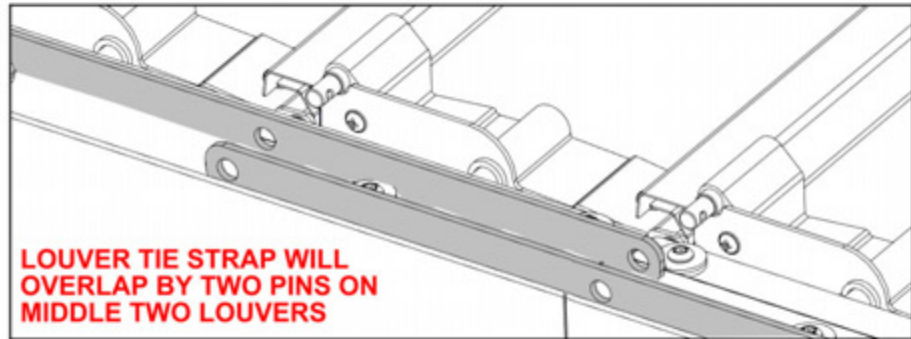


STEP 25A - LOUVER INSTALLATION

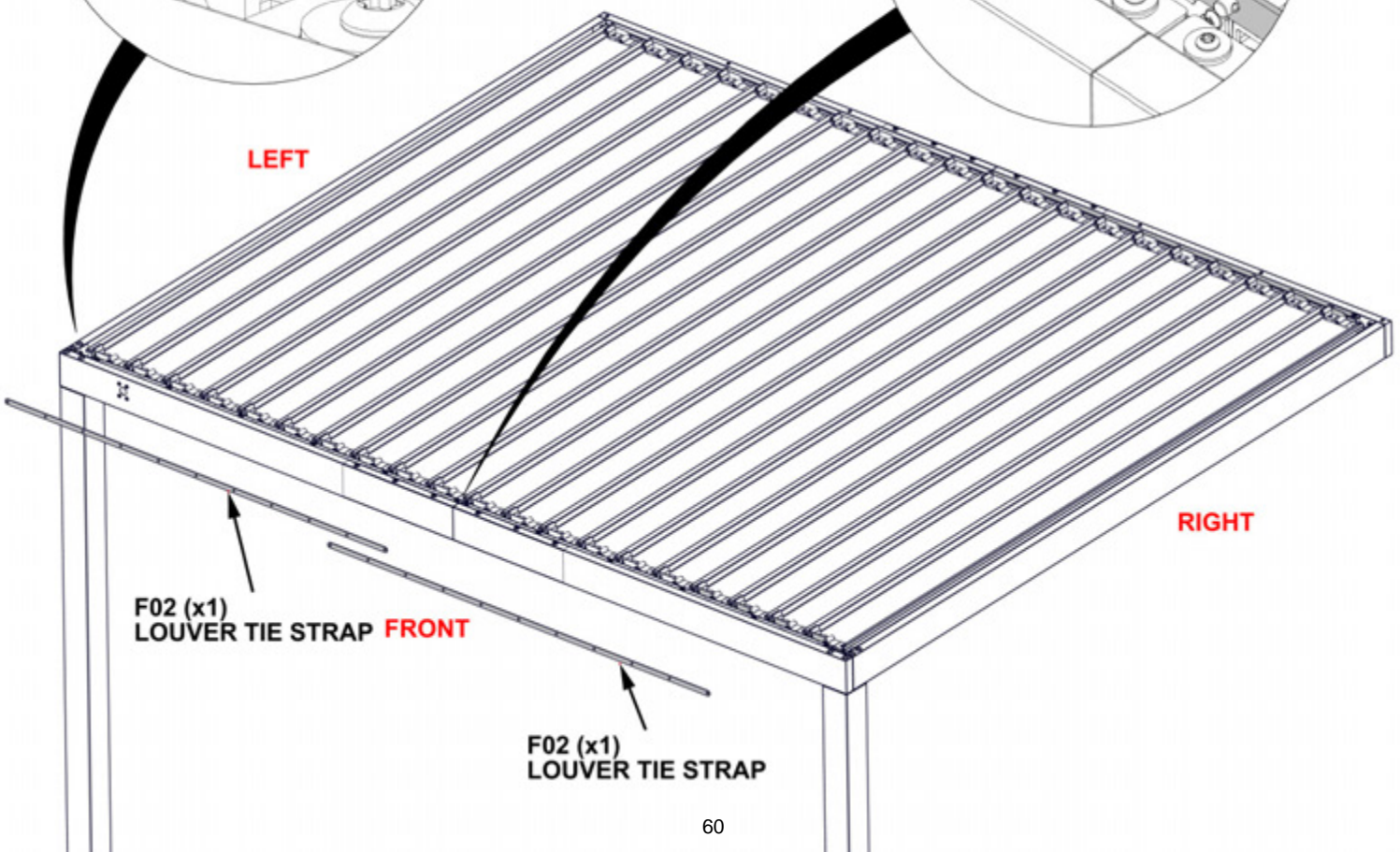
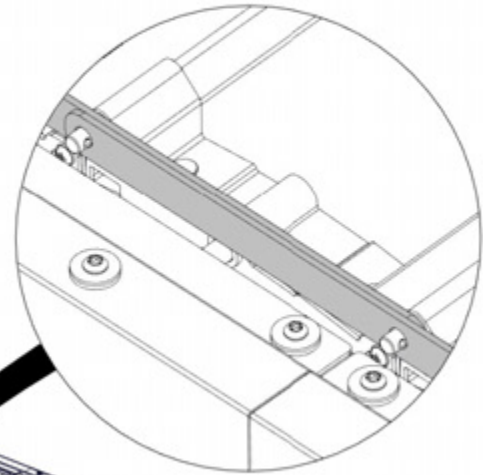


F02 LOUVER TIE STRAP - A4M02860
(x2) 1/8"x13/16"x68 1/8" (3x20x1730)

- 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.



LEFT

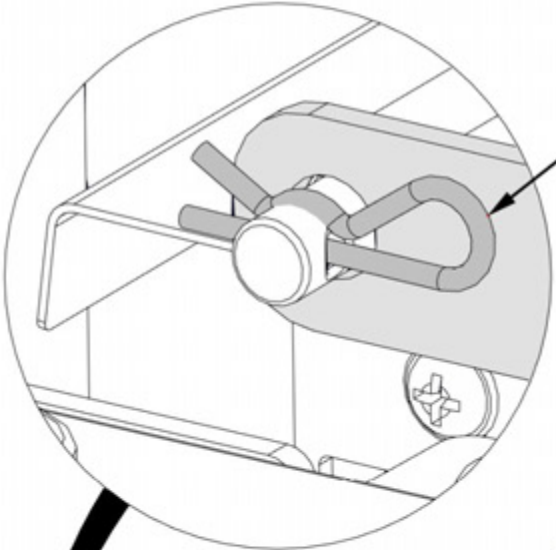


STEP 25B - LOUVER INSTALLATION

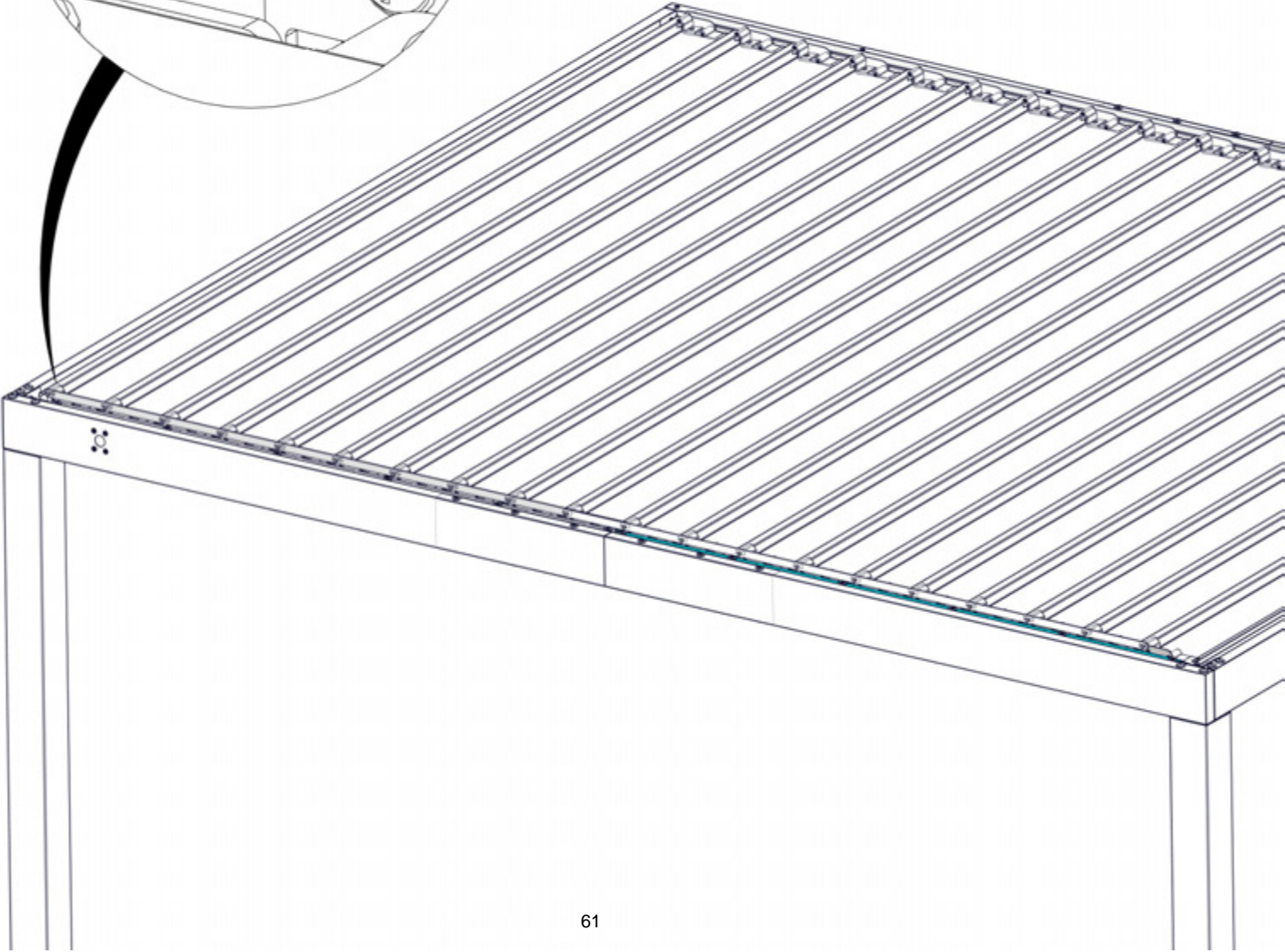


H101161 COTTER PIN
(x20)

- INSTALL COTTER PINS ON EACH LOUVER TO HOLD TIE STRAP IN PLACE.
- CONFIRM ALL HARDWARE HAS BEEN TIGHTENED FROM PREVIOUS STEPS.



1161 (x20)
COTTER PIN



STEP 26 - LOUVER MECHANISM



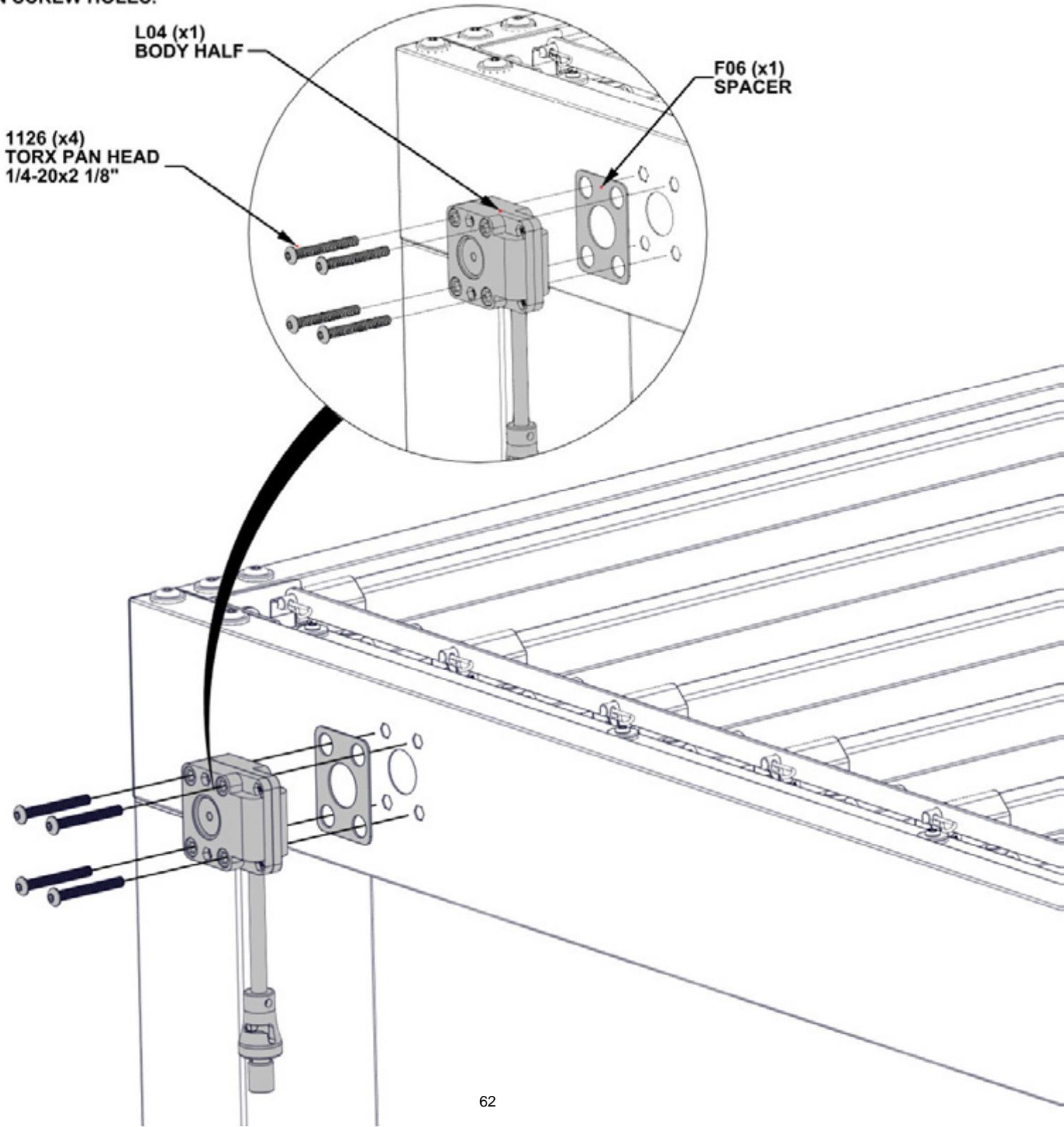
L04 BODY HALF - A4M02132
(x1) 11/16"x2 1/2"x2 7/8" (17x64x73)



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

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

- ALIGN SCREW HOLES.



L04 (x1)
BODY HALF

F06 (x1)
SPACER

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

STEP 27 - LOUVER MECHANISM



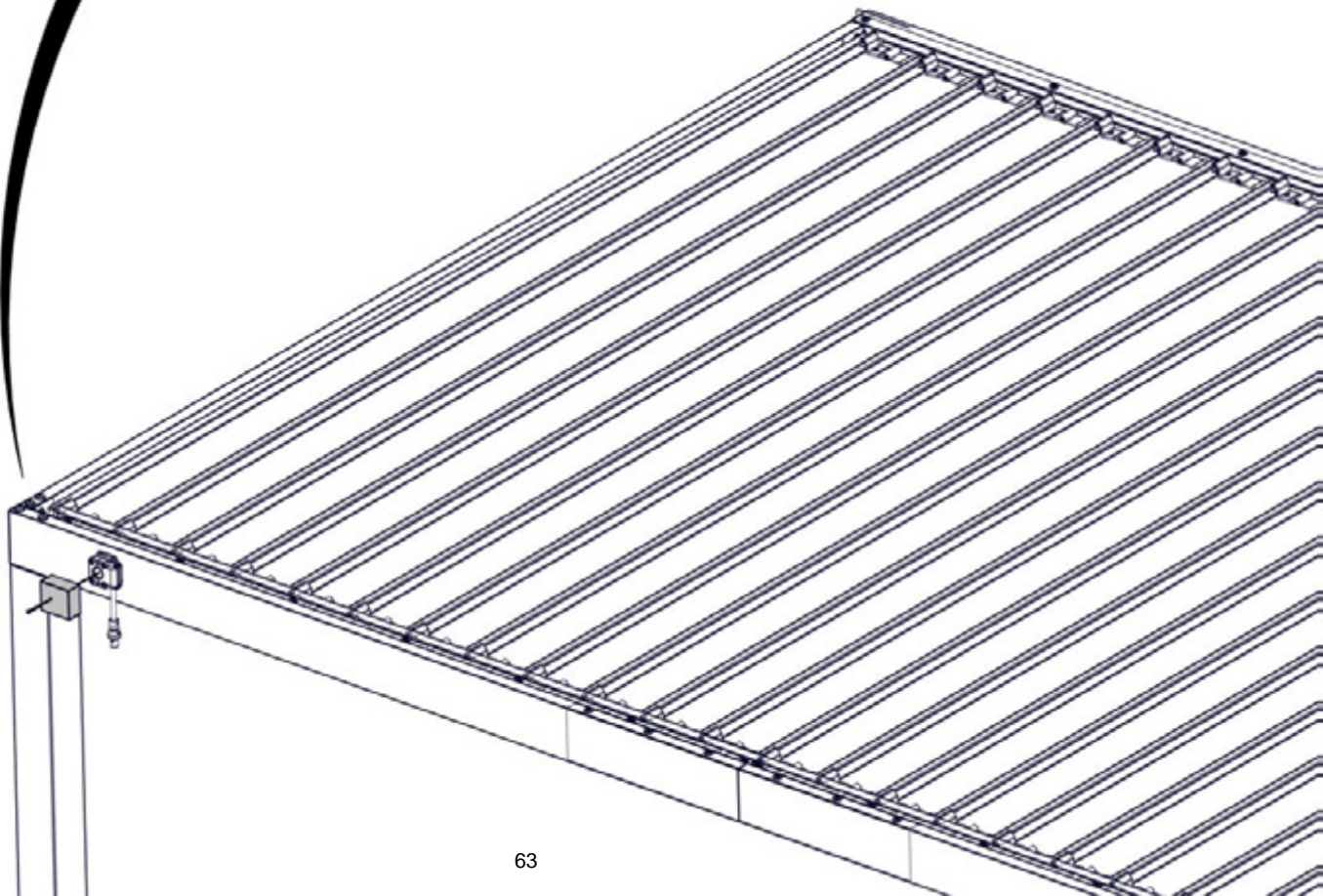
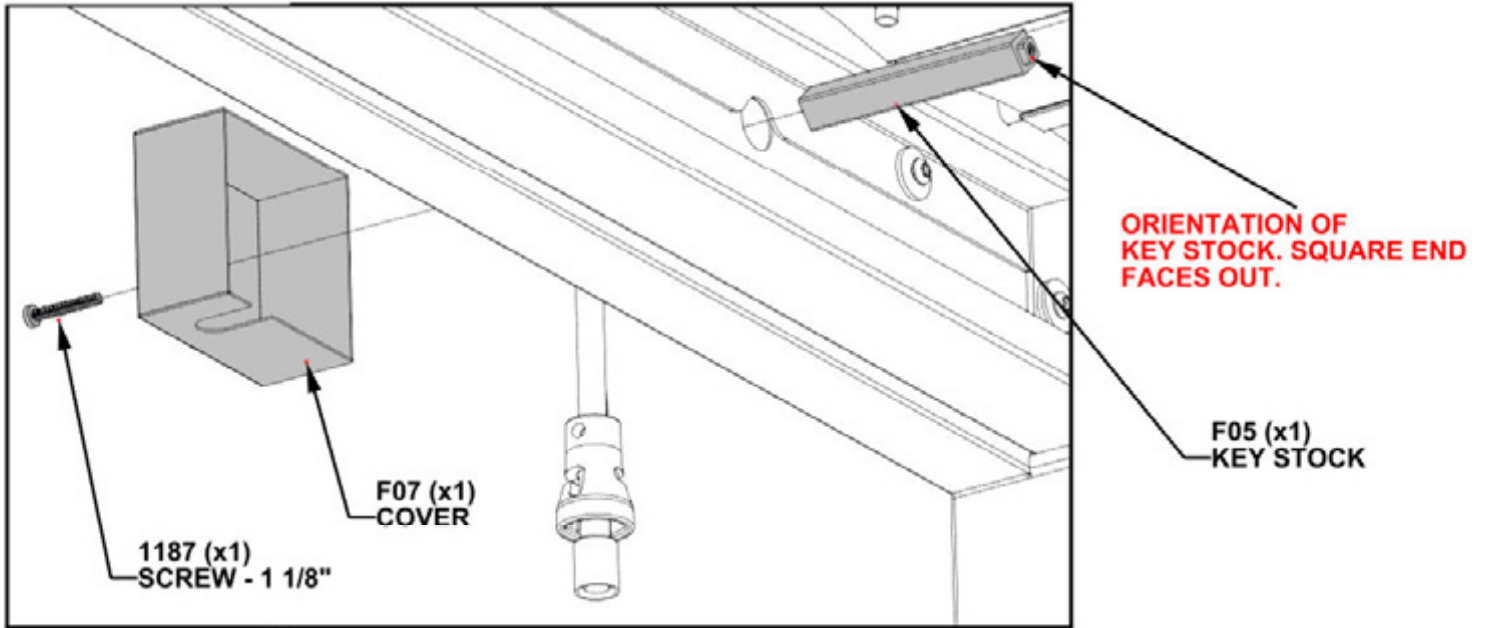
F07 COVER - A4M02228
(x1) 1 9/16"x2 7/8"x3 1/4" (39.5x73x82)



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

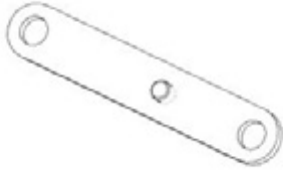
Qty	PartNo	Description
1	H101187	BOLT PPH 8-32x1 1/8 BLK

- ALIGN SCREW HOLES.



STEP 28A - LOUVER MECHANISM

Qty	PartNo	Description
2	H100474	WASHER FLAT 9x18 BLK
1	H100653	NUT LOCK 1/4 BLK
1	H101189	LOW PROFILE SHOULDER BOLT 1/4-20x3/8" BLK



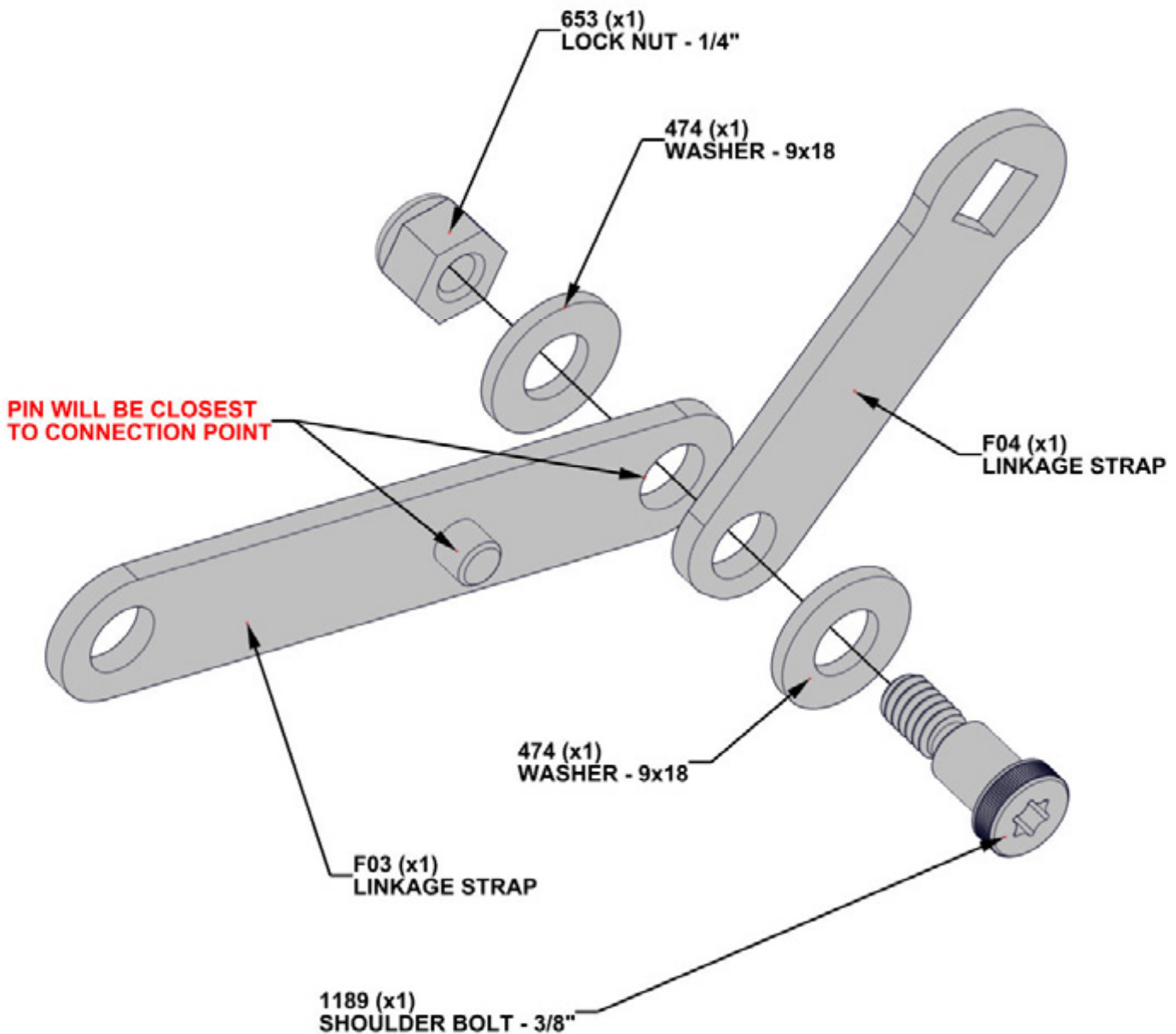
F03 LINKAGE STRAP - A4M02229
(x1) 1/8"x11/16"x3 13/16" (3x17x97)



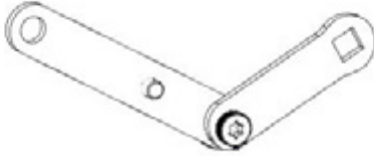
F04 LINKAGE STRAP - A4M02225
(x1) 1/8"x13/16"x2 5/8" (3x20x66)

- LINKAGES MUST BE ORIENTED AS SHOWN BELOW.

- DO NOT OVERTIGHTEN HARDWARE.
- LINKAGES SHOULD BE ABLE TO ROTATE FREELY.



STEP 28B - LOUVER MECHANISM

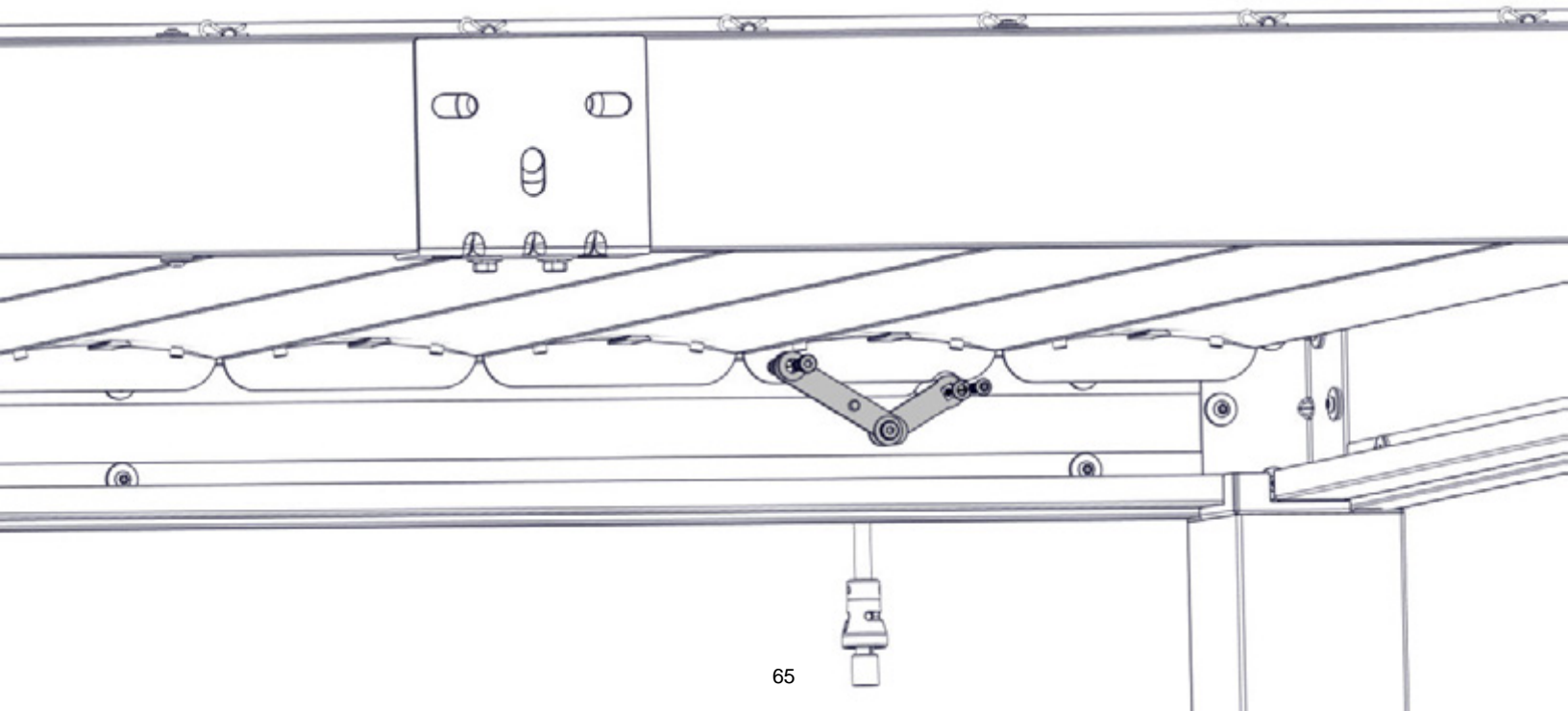
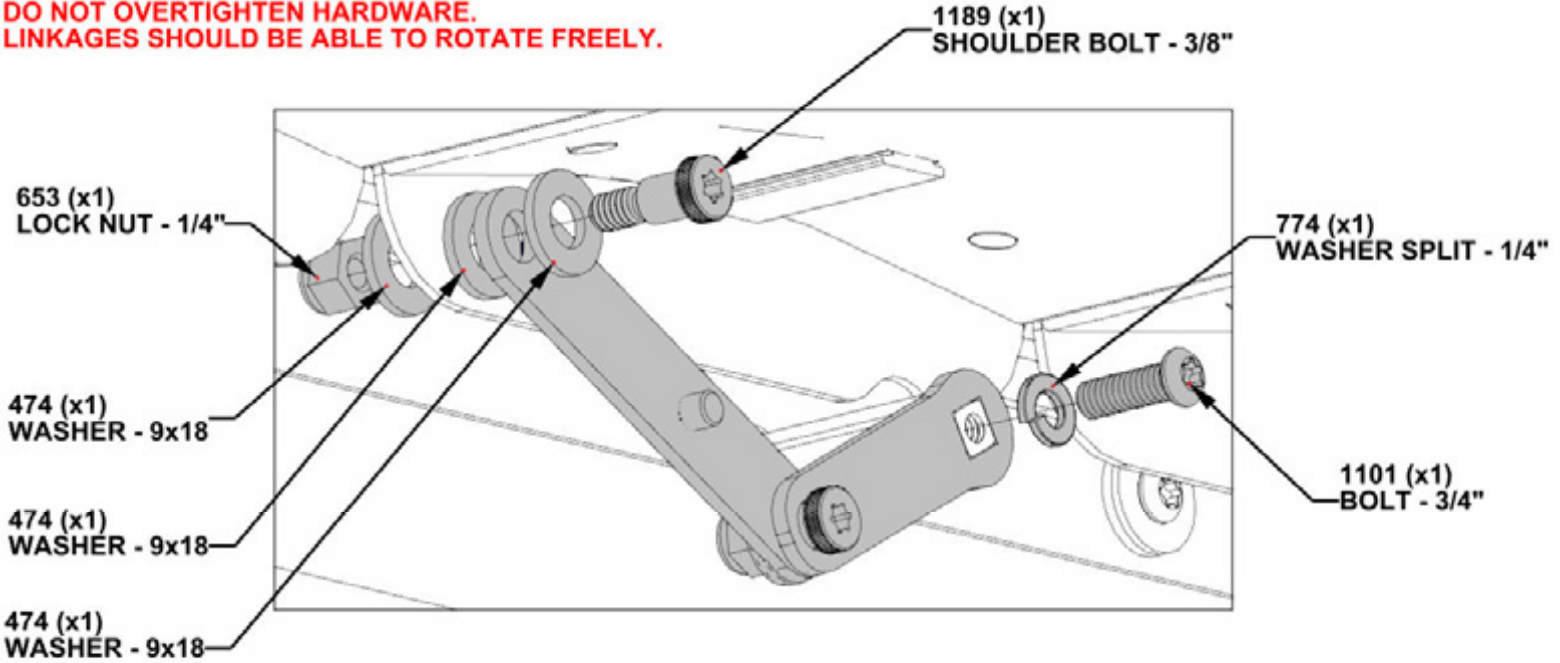


LINKAGE ASSEMBLY
STEP - 28A

Qty	PartNo	Description
1	H100774	WASHER SPLIT 1/4 BLK
3	H100474	WASHER FLAT - 9x18 BLK
1	H101101	TORX PAN HEAD 1/4-20x3/4"BLK
1	H100653	NUT LOCK 1/4 BLK
1	H101189	LOW PROFILE SHOULDER BOLT 1/4-20x3/8" BLK

- LINKAGES MUST BE ORIENTED AS SHOWN BELOW.

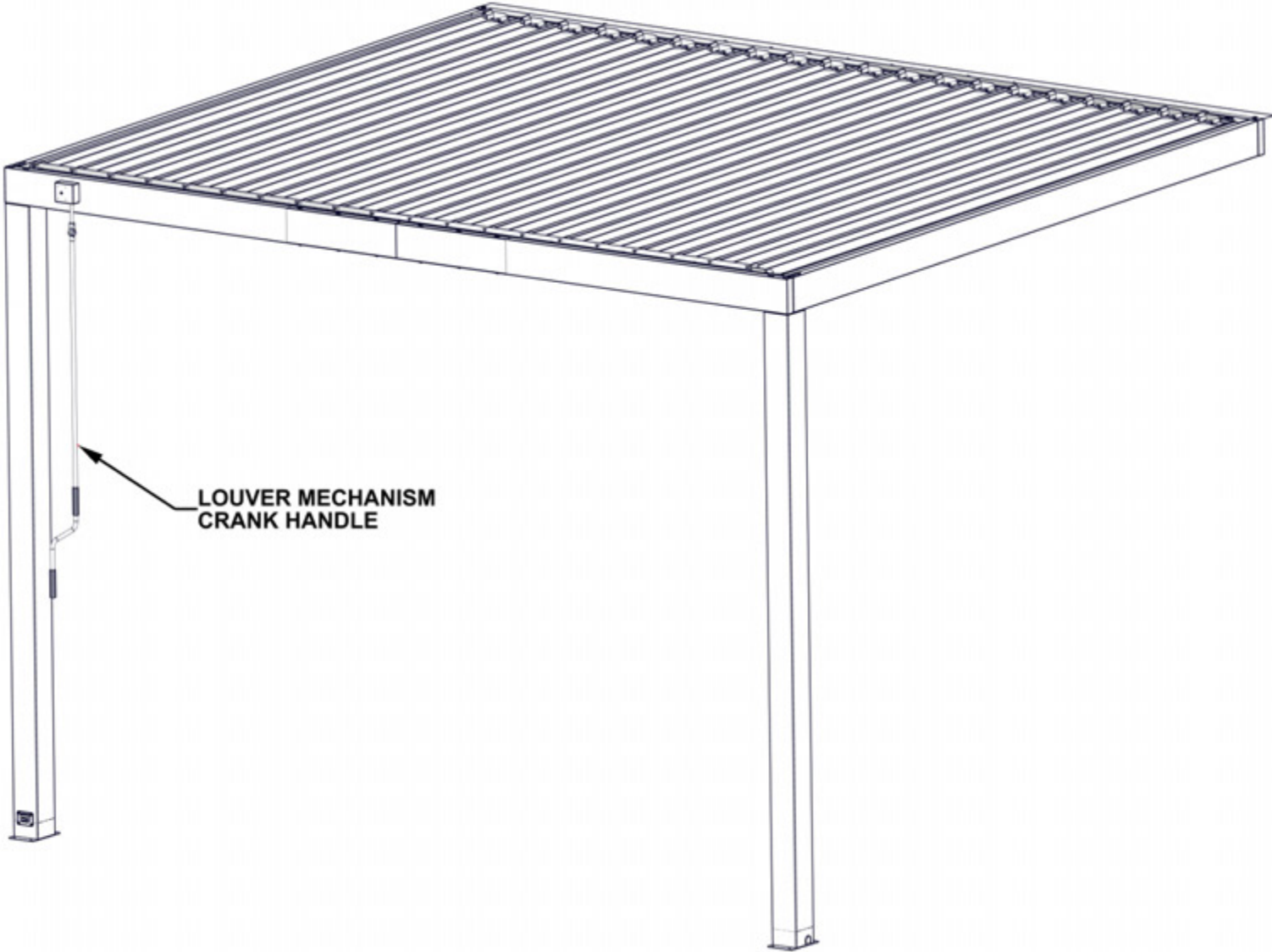
- DO NOT OVERTIGHTEN HARDWARE.
- LINKAGES SHOULD BE ABLE TO ROTATE FREELY.



STEP 28C - LOUVER MECHANISM

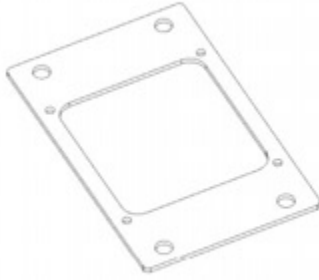


H01 CRANK HANDLE - A4M04022
(x1)



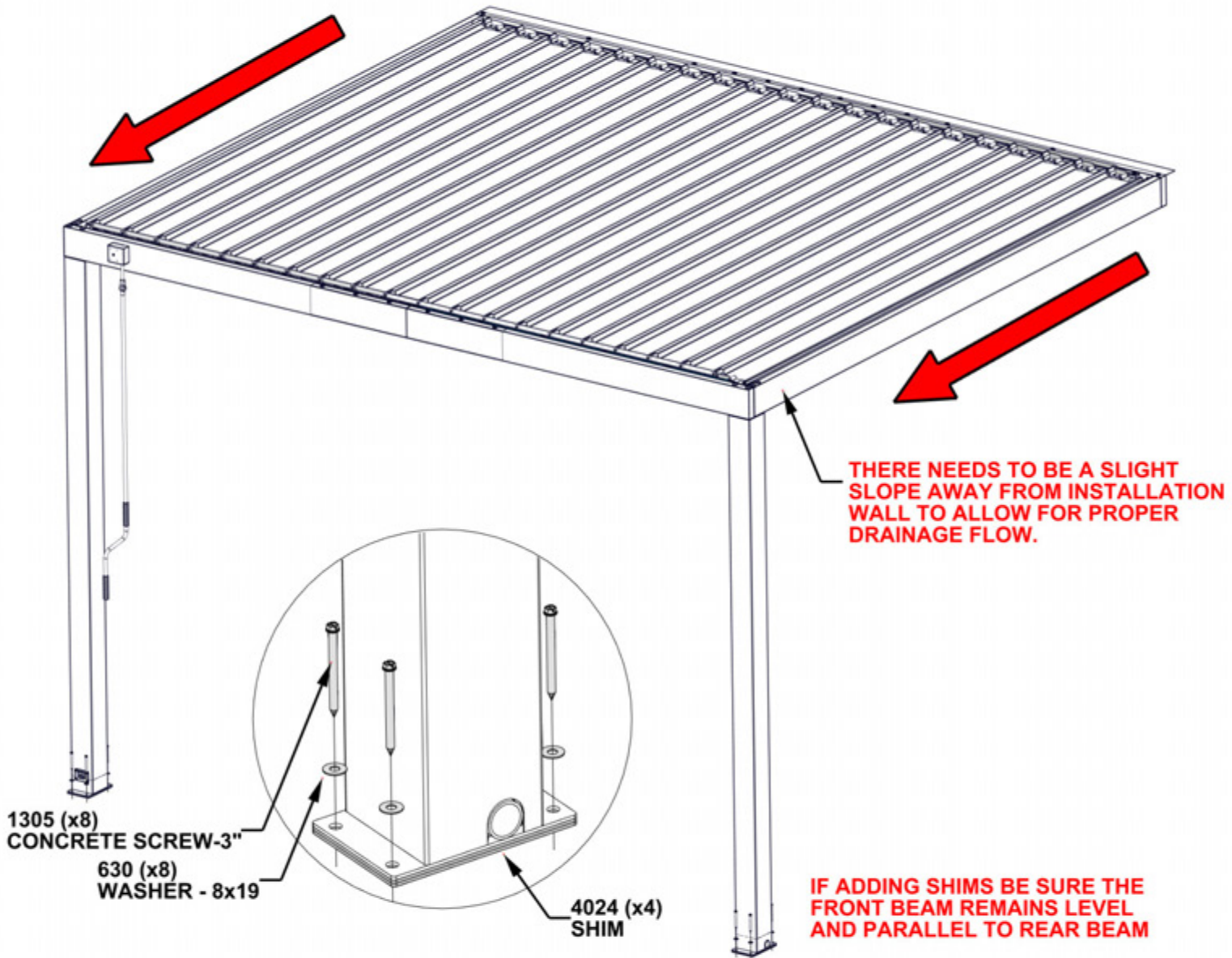
STEP 29 - PERGOLA ANCHORING

Qty	PartNo	Description
8	H100630	WASHER FLAT 8x19 BLK
8	H101305	CONCRETE ANCHOR 1/4"x3" BLK



A4M04024 SHIM
(x4)

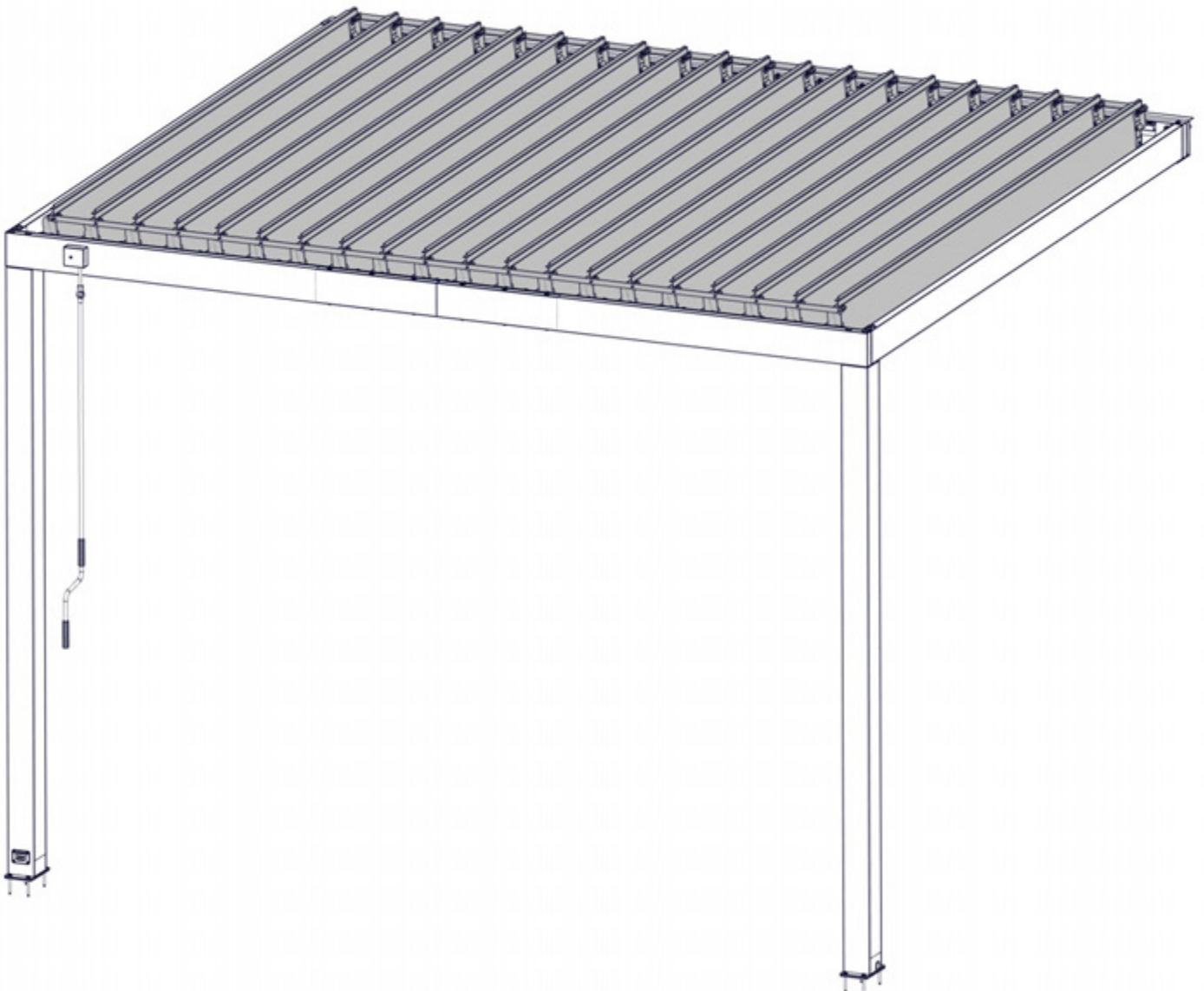
- NOTES:**
- MANUFACTURER RECOMMENDS INSTALLATION ON CONCRETE SURFACE OR CONCRETE POST PADS. SEE BELOW.
 - FOR INSTALLATION ON WOOD DECKS, YOU MUST ENSURE THERE IS AMPLE STRUCTURAL SUPPORT UNDER DECK.
 - PRE-DRILL HOLES FOR CONCRETE ANCHORS USING A 3/16" [5mm] CONCRETE DRILL BIT.
 - REPEAT THIS STEP FOR TWO POSTS.
 - THERE NEEDS TO BE A SLIGHT SLOPE AWAY FROM INSTALLATION WALL TO ALLOW FOR PROPER DRAINAGE FLOW.
 - TIGHTEN ALL BOLTS.

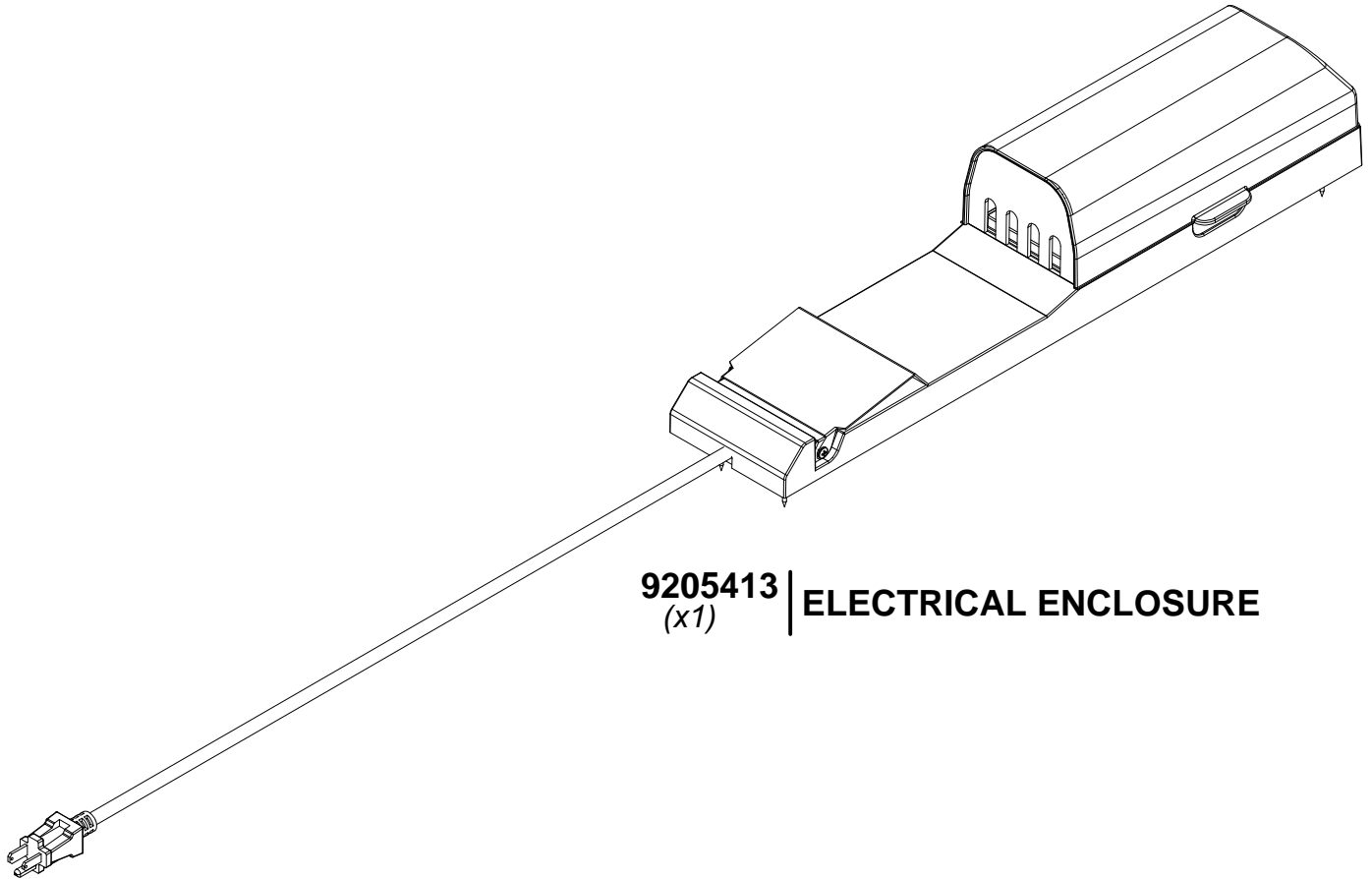


SHIMS ARE TO BE USED ONLY TO LEVEL PERGOLA DUE TO UNEVEN AND UNLEVEL AREAS ON FOUNDATION.

STEP 31 - 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.