

DELUXE SERIES 5-ROW 21' BLEACHER

(WITH AISLE, AND HAND RAIL)

MODEL 1186-521MESHG 5-ROW 21' STEEL WITH MESH GUARDRAIL

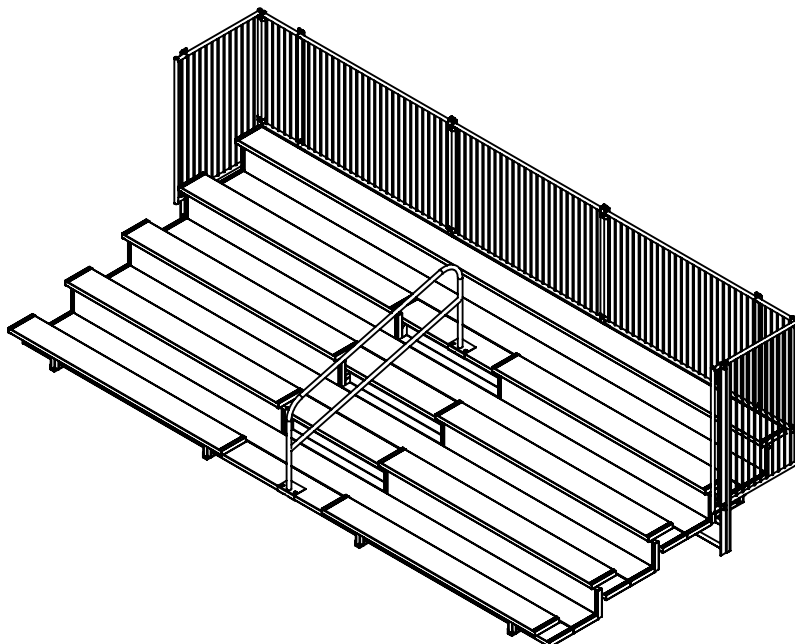
MODEL 1186-521MESHA 5-ROW 21' ALUMINUM WITH MESH GUARDRAIL

MODEL 1186-521VBGRG 5-ROW 21' STEEL WITH VBGR GUARDRAIL

MODEL 1186-521VBGRA 5-ROW 21' ALUMINUM WITH VBGR GUARDRAIL

(VBGR = VERTICAL BAR GUARDRAIL)

Standard Series designed for dependability and trouble-free maintenance. Featuring 6" rise from row to row with nominal 12" aluminum planks and optional 2" x 6" ground sills



SPECIFICATIONS:

Bleacher Frames, Horizontal and Diagonal Bracing: Fabricated from 2" x 2" x 3/16" steel or aluminum angle. Frames are welded into a single unit. Frames may have optional 2" x 6" ground sills at every point where frames are in contact with the ground.

Standard Series Bleachers conform to the requirements of ICC 300-2012.

Seat and Foot Planks: Nominal 2" x 12" x 21' extruded, ribbed aluminum. The edges and tops of planks shall be ribbed. The ribbed pattern, non-slip surface, is designed for safety and comfort. All exposed ends shall have aluminum caps fastened to the underside of the plank. Planks secure to each frame with two friction-type aluminum mounting clips capable of securing the plank against movement under a horizontal force of 400 lbs. All hardware is provided.

Finish: All fasteners shall be zinc plated. All welds shall be ground smooth.



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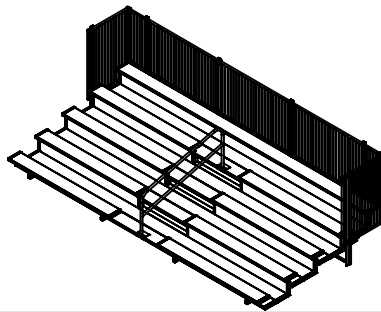
5 ROW DELUXE 21FT

MODEL NO.

1186-521

BOM PARTS & FASTENERS

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|----------|-------------------------------|---|------|
| 1 | ASA-500-1183-86-515,521,527-G | BLEACHER 5-ROW DELUXE FRAME | 4 |
| 2 | ASA-505-1183-86-515,521,527-G | HANDRAIL DELUXE ASSEMBLY | 1 |
| 3 | ASA-0510-1100-1000-G | LEFT F-FRAME PANEL SUPPORT | 1 |
| 4 | ASA-0511-1100-1000-G | REAR F-FRAME PANEL SUPPORT | 4 |
| 5 | ASA-0512-1100-1000-G | RIGHT F-FRAME PANEL SUPPORT | 1 |
| 6 | ASA-0514-1100-1000-G | RAILING SIDE PANEL | 2 |
| 7 | ASA-0515-1100-1000-G | RAILING LONG REAR PANEL | 2 |
| 8 | ASA-0516-1100-1000-G | RAILING SHORT REAR PANEL | 1 |
| 9 | PL-0013-1183-86-1000-G | KICKBOARD COMMON | 2 |
| 10 | PL-0014-1183-86-1000-G | KICKBOARD WITH CENTER RAIL CUT | 1 |
| 11 | L-0019-1183-86-1005-A | BLEACHER BRACE 5TH ROW | 6 |
| 12 | L-0020-1183-86-1003-A | BLEACHER BRACE 3RD ROW | 5 |
| 13 | PL-0043-1000-G | PANEL CLAMP | 12 |
| 14 | VCIAECP212 | 2"x12" ALUM. END CAP | 49 |
| 15 | PL-1100-252-12-A-M | ALUMINUM PLANK 12"x 252" MILL | 9 |
| 16 | PL-1100-252-12-A-A | ALUMINUM PLANK 12"x 252" ANODIZED | 1 |
| 17 | PL-1100-102-12-A-A | ALUMINUM PLANK 12"x 102" ANODIZED | 8 |
| 18 | PL-1100-102-12-A-M | ALUMINUM PLANK 12"x 102" MILL | 6 |
| 19 | VCIACLP | BOLT CLIP FOR 10" & 12" ALUMINUM PLANK | 136 |
| 20 | HWCB5161 | 5/16-18 X 1 CARRIAGE BOLT GRADE 2 ZINC | 104 |
| 21 | HWCB5163 | 5/16-18 X 3 CARRIAGE BOLT ZINC (600) | 32 |
| 22 | HWFLWA516 | 5/16 FLAT WASHER | 152 |
| 23 | HWLN516 | 5/16 NYLOK NUT ZINC | 152 |
| 24 | HWCB38212 | 3/8-16 X 2 1/2 CARRIAGE BOLT ZINC (500) | 8 |
| 25 | HWFLWA38 | 3/8" Flat Washer | 94 |
| 26 | HWLN38 | 3/8 NYLOK NUT ZINC | 43 |
| 27 | HWHB38114 | 3/8-16 X 1 1/4 GR5 C/S ZINC HEX BOLT (1000) | 31 |
| 28 | HWFLWASS38 | 3/8" FLAT WASHER STAINLESS STEEL 304 | 4 |
| 29 | HWBH383 | 3/8 X 3" BUTTON HEAD SOCKET CAP SCREW SS 18.8 | 4 |
| 30 | HWTEX1034 | #10 x 5/8 SELF TAPPING SCREW | 135 |
| 31 | HWUB516112 | 5/16 x 1-1/2 x 2-11/16 U bolt | 8 |



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5 ROW DELUXE 21FT

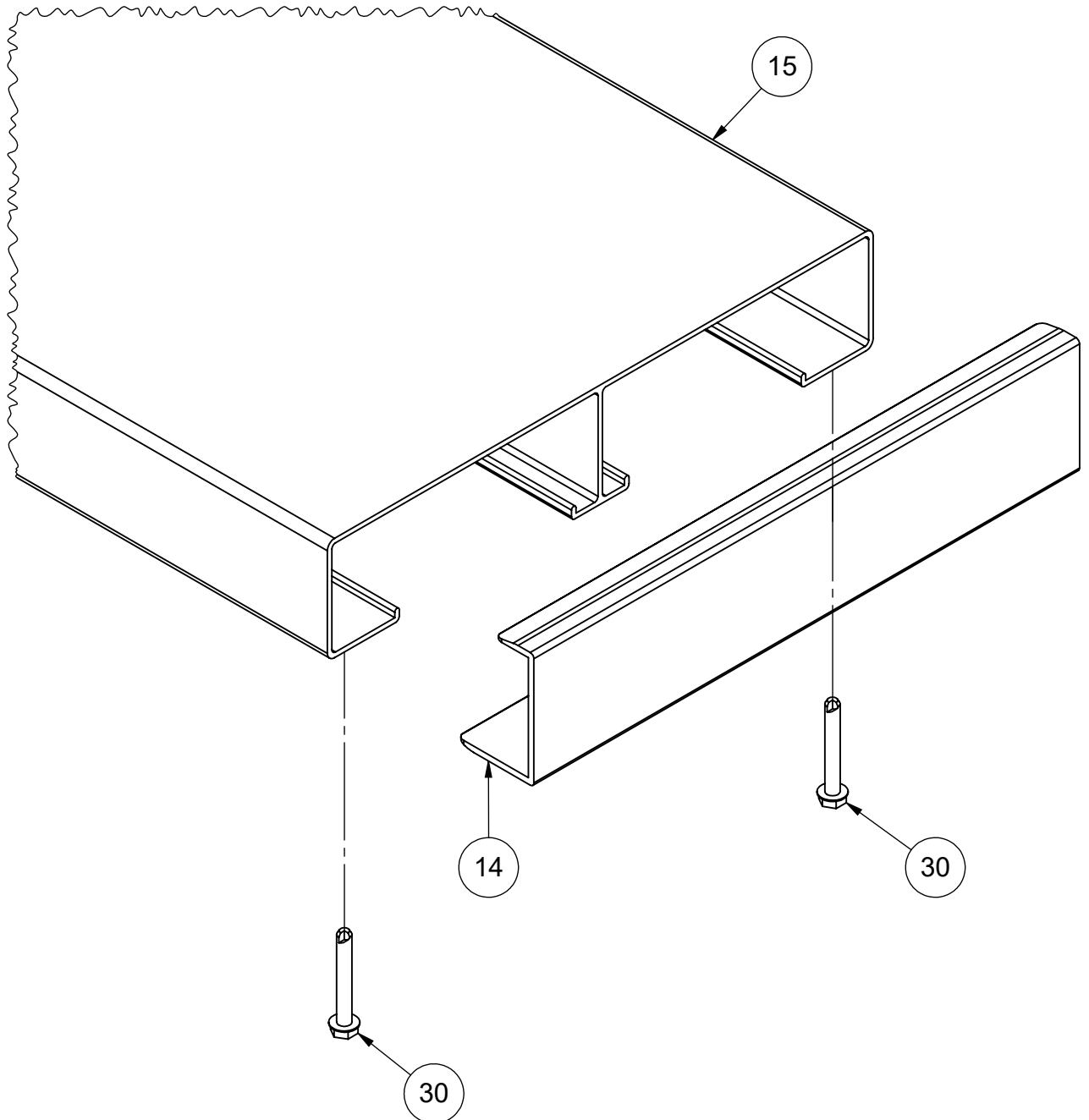
MODEL NO.

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INSTALLATION INSTRUCTIONS:

1) Check materials received with the BOM to make sure that all components are included and to assure that the unit is complete.

2) Installing End Caps Item on Seat and Foot Planks: 2" x 12" end caps Item (14) . Align and assemble all end caps to aluminum planks. Secure using #10 x 3/4" Item (30) self-tapping screw in two locations on the underside of the clip/plank.



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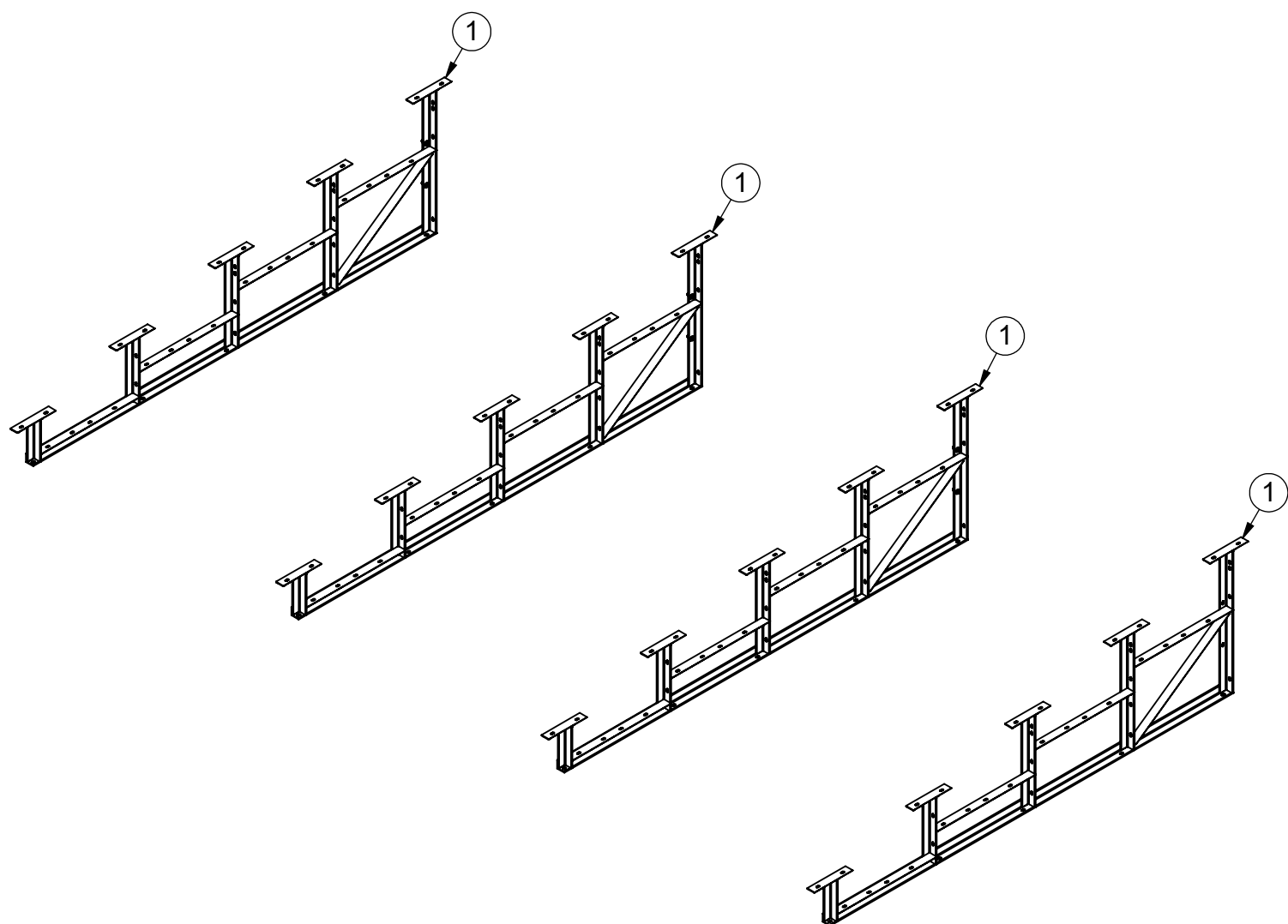
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INSTALLATION INSTRUCTIONS:

3) Locate the five Bleacher 5-Row Standard Frame Item 1 and set on a level surface on 73" centers.



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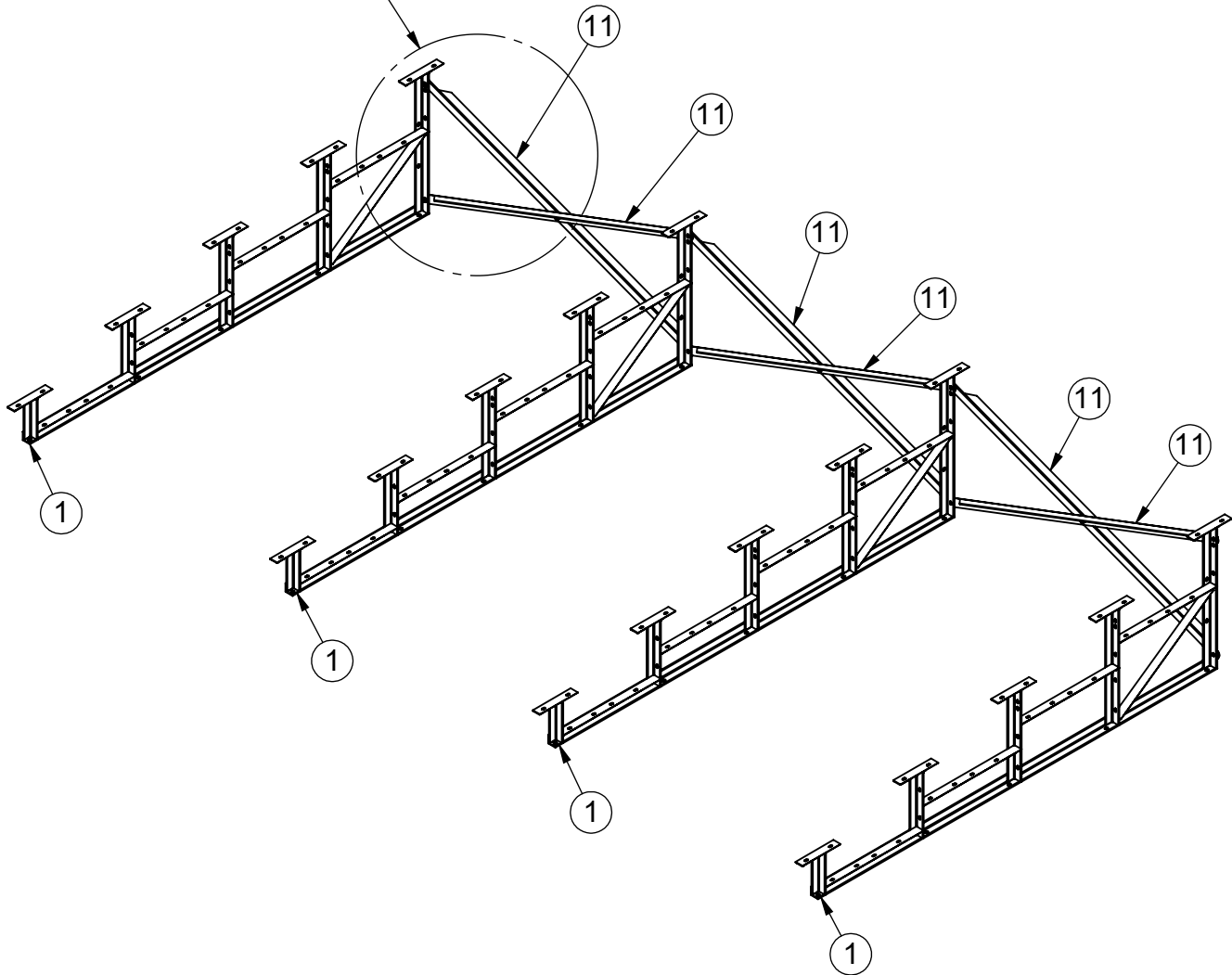
INSTALLATION INSTRUCTIONS:

4) To Install Cross Braces: a) Locate three sets of diagonal braces measuring 2" x 2" x 80 1/8" Item (11). Install on the backside of the Bleacher Frames using 3/8" x 1-1/4" Hex Bolt Item (27), Washers Item (25), and Lock Nut Item (26) provided using the top and bottom slots in the frame and center of Braces as shown. Repeat steps to assemble remaining sets of cross braces to the other bleacher frames. At all installation points, install washers and nuts but leave hardware loose until assembly is complete for easy installation.

NOTE: Two washers are provided to use at every hex bolt location.

DETAIL-Z

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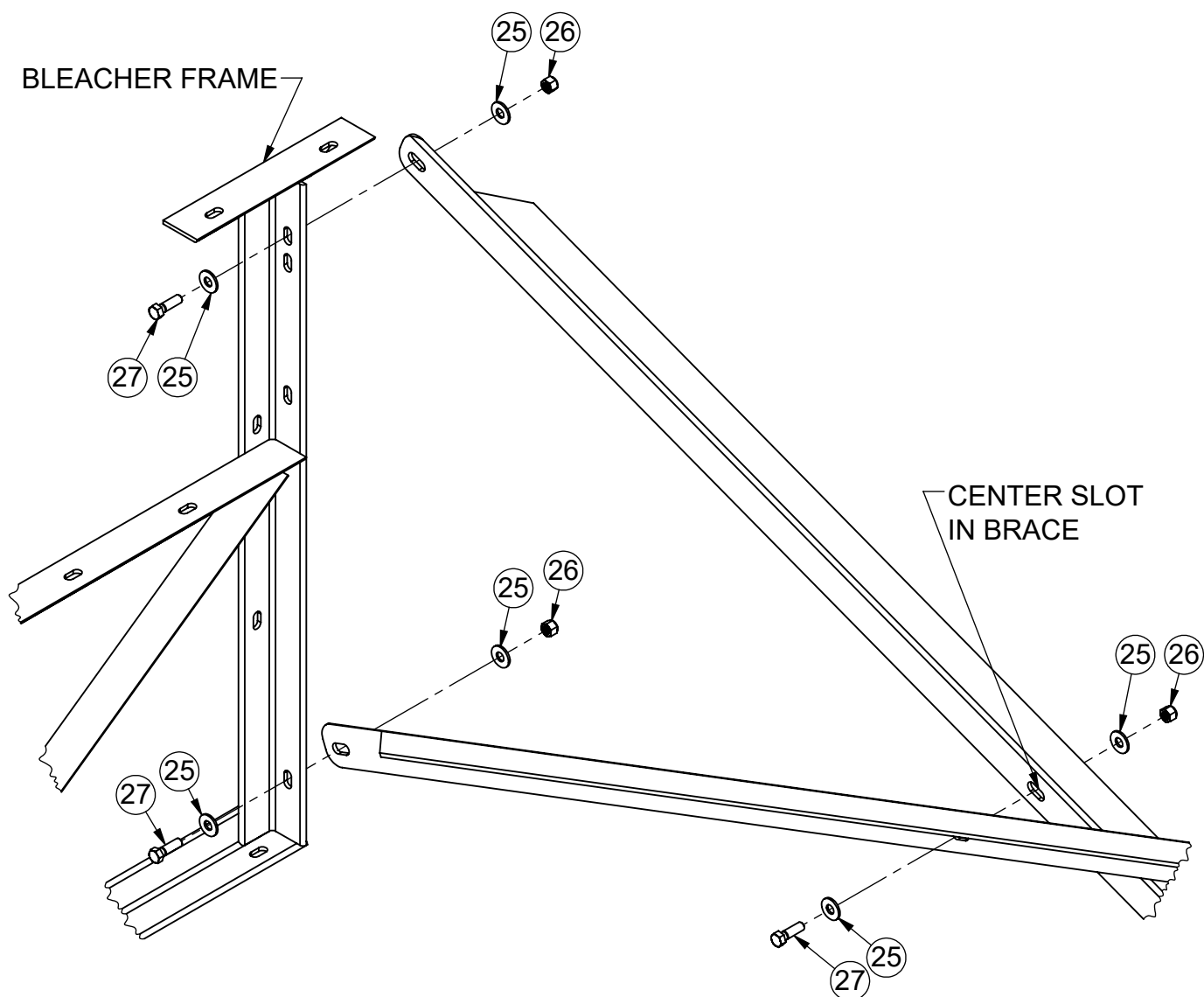
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DETAIL-Z

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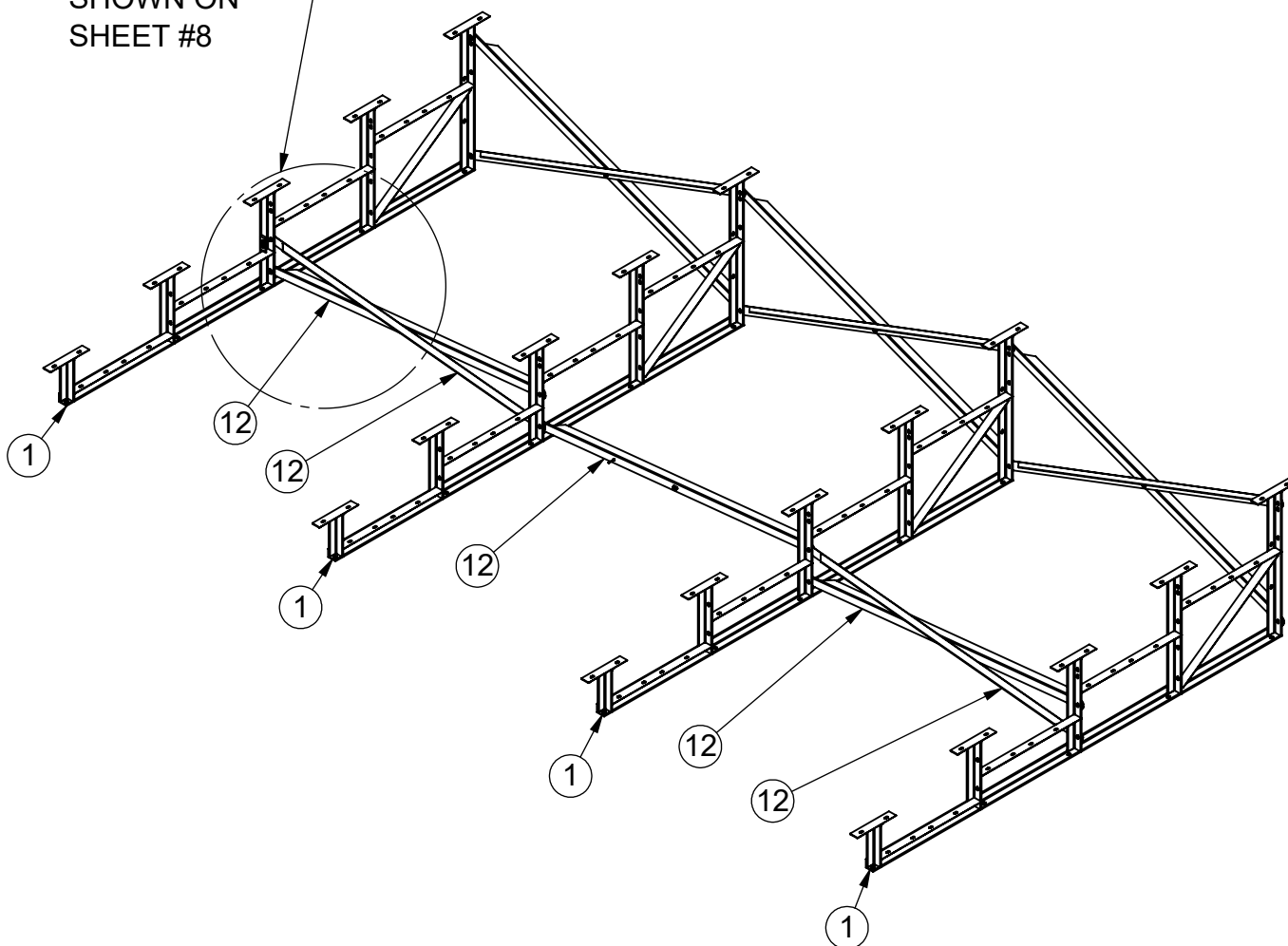
INSTALLATION INSTRUCTIONS:

5) To Install Cross Braces: a) Locate three sets of braces measuring 2" x 2" x 75 7/16" Item (12). Install on the backside of the third row of Bleacher Frames using 3/8" x 1-1/4" Hex Bolt Item (27), Washers Item (25), and lock nut Item (26) for the top, bottom slots and center between Braces. Repeat steps to assemble remaining sets of cross braces to the other bleacher frames. At all installation points, install washers and nuts but leave hardware loose until assembly is complete for easy installation.

NOTE: Two washers are provided to use at every hex bolt location.

DETAIL-Y

SHOWN ON
SHEET #8



ITEM (27) 11 QTY.

ITEM (25) 22 QTY.

ITEM (26) 11 QTY.



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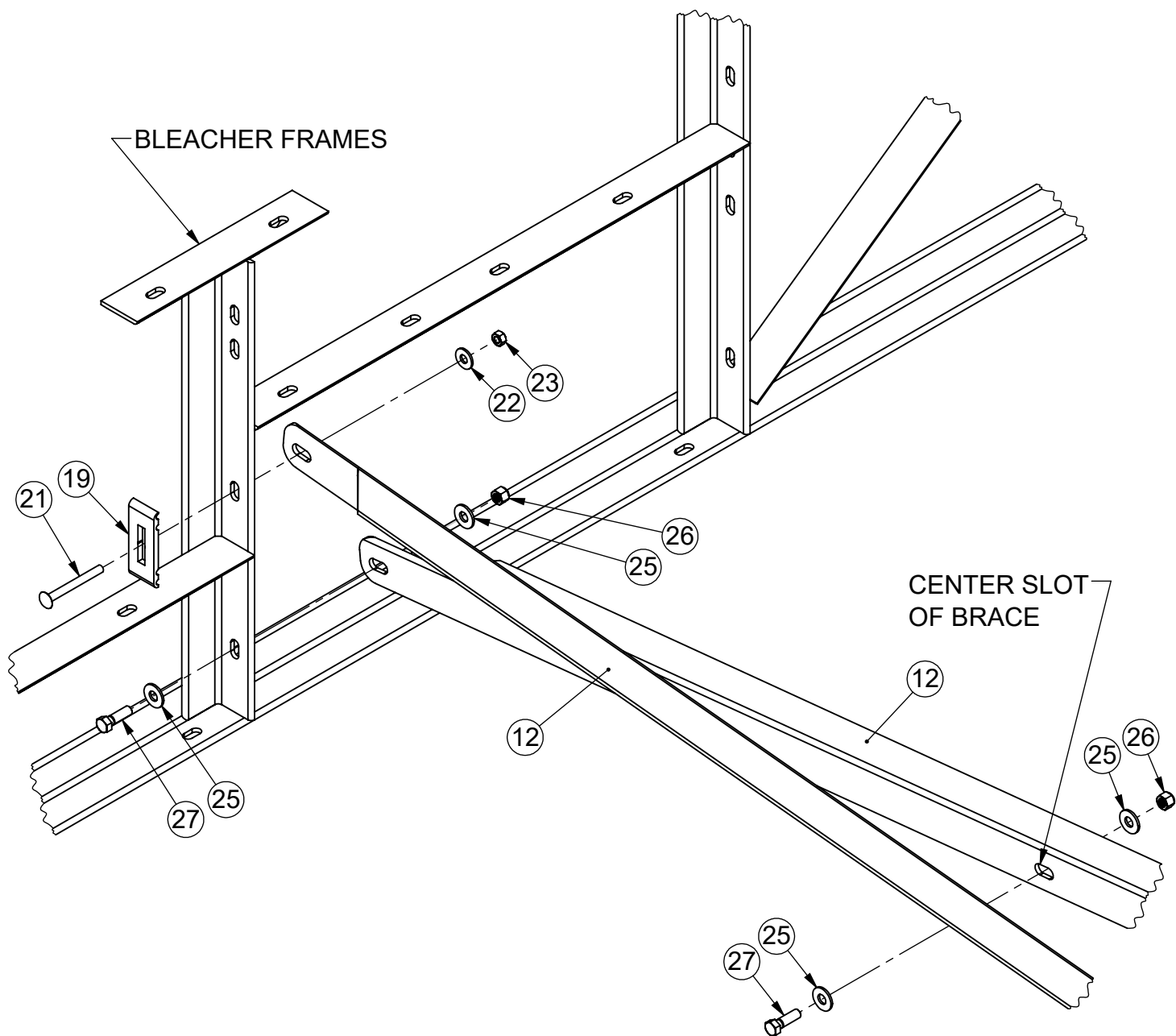
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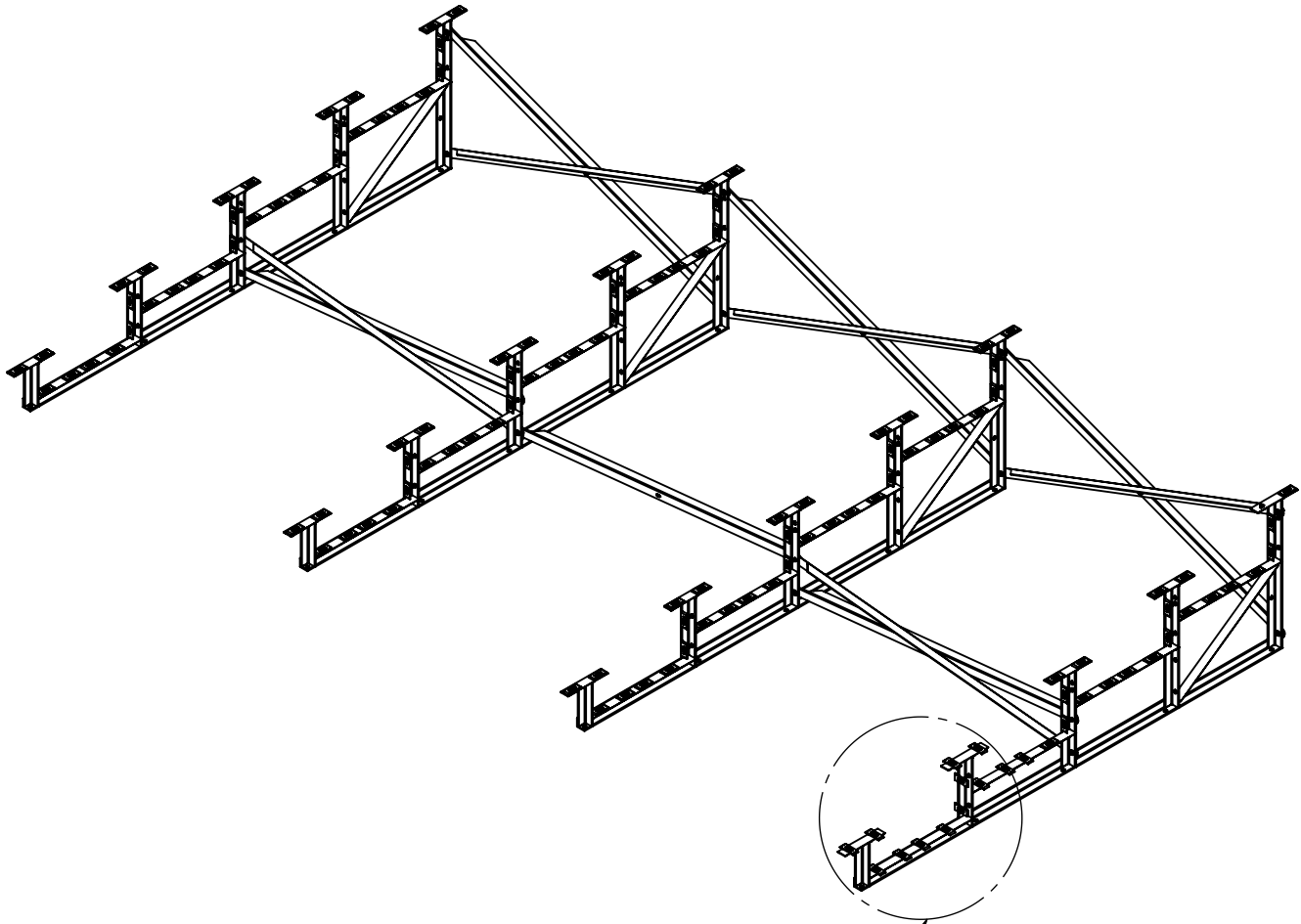
5 ROW DELUXE 21FT

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INSTALLATION INSTRUCTIONS:

6) To Install Seat and Foot Planks: a) First install the Bolt Clip For 10" & 12" Aluminum Plank Item (19) using 5/16" x 1" carriage bolts Item (20), washer Item (22), and lock nuts (23) on top of the seat and foot board supports. To install clips for riser planks using 5/16" x 3" carriage bolts Item (21), washer Item (25), and lock nuts (26). Give nuts about 3/4 turn (just enough to secure). Turn Bolt Clips Item (19) perpendicular to the frames.



FASTNERS NEEDED

ITEM (19) 136 QTY.

ITEM (27) 104 QTY.

ITEM (21) 32 QTY.

ITEM (25) 136 QTY.

ITEM (26) 136 QTY.

DETAIL-X

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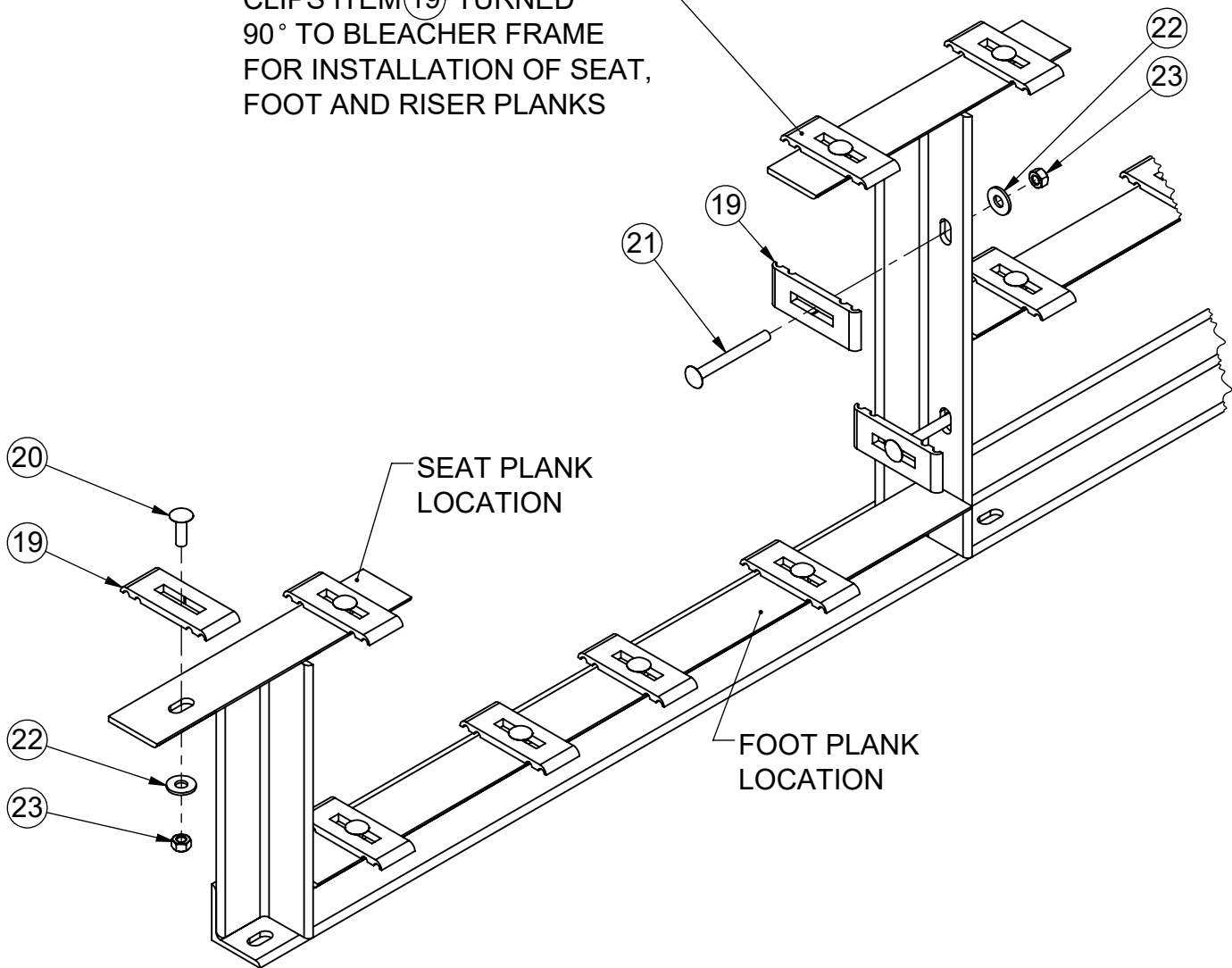
PRODUCT NAME

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CLIPS ITEM (19) TURNED
90° TO BLEACHER FRAME
FOR INSTALLATION OF SEAT,
FOOT AND RISER PLANKS



DETAIL-X

ENLARGED
FROM SHEET #9



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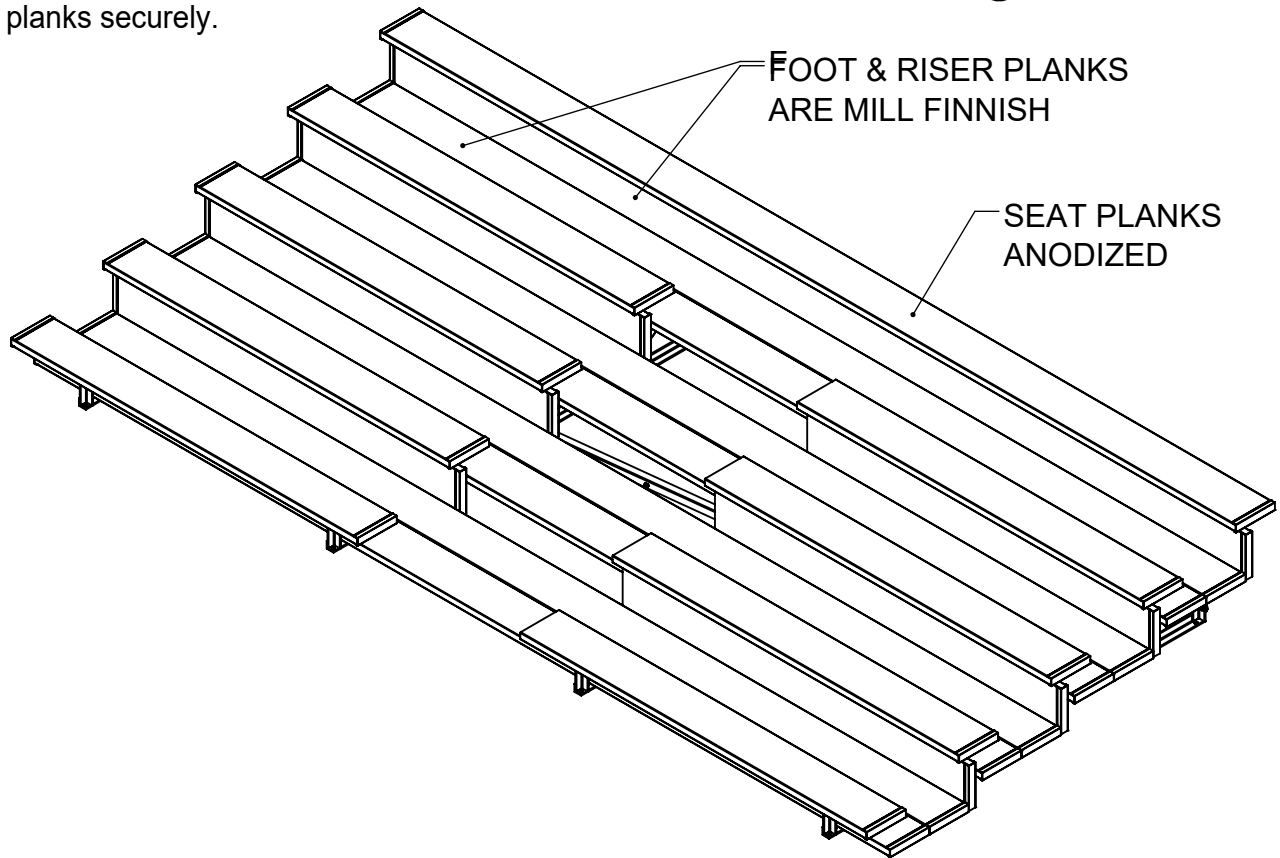
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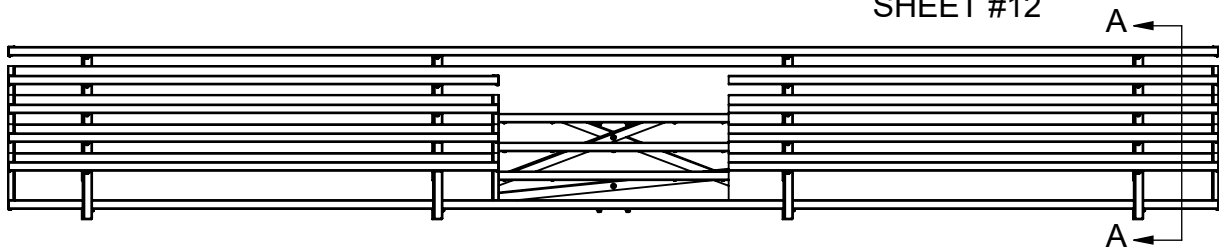
INSTALLATION INSTRUCTIONS:

7) Position seat Planks, Foot Planks and Riser Planks on the supports so the Bolt Clips Item (19) are between the slots in the bottom of Planks. Reach up underneath the Seat Plank, Foot Plank, and Riser Plank to rotate the Bolt Clips Item (19) to 90° so they engage the planks. To Secure Planks to Frames: a) Align the end of the planks on rows so they are approximately 16" from outside edge of plank to center Seat frame Item (1). Tighten all hardware on frames and planks securely.



SECTION A-A

SHOWN ON
SHEET #12



FRONT VIEW



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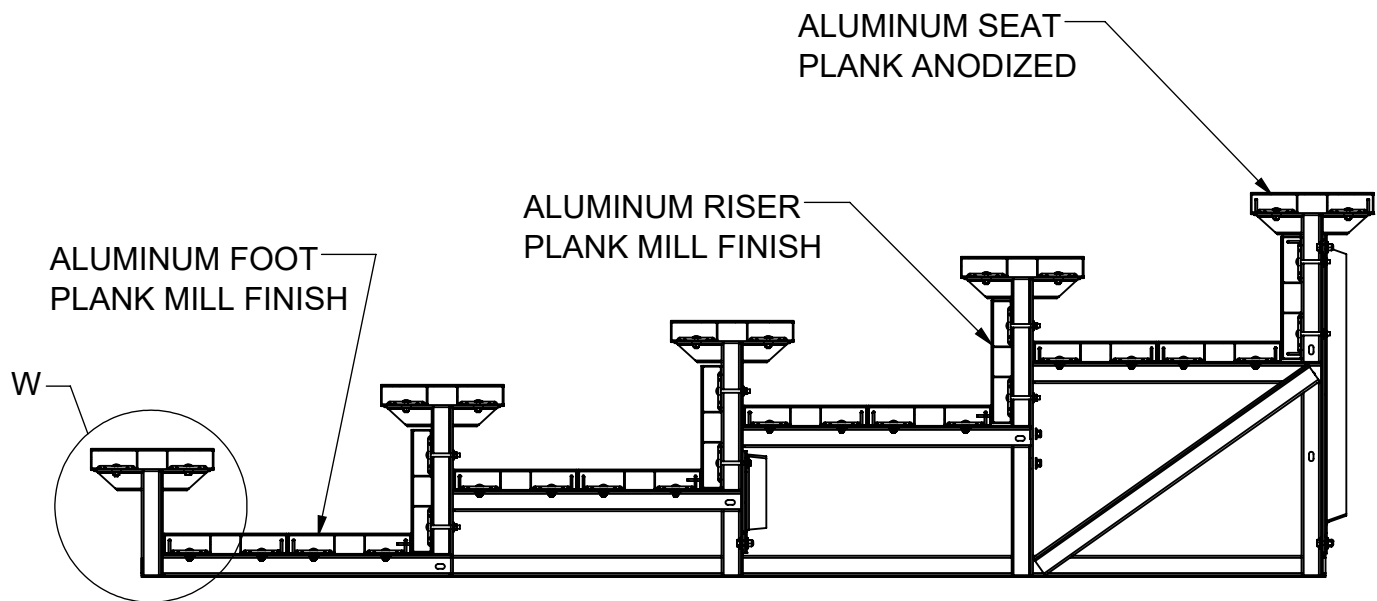
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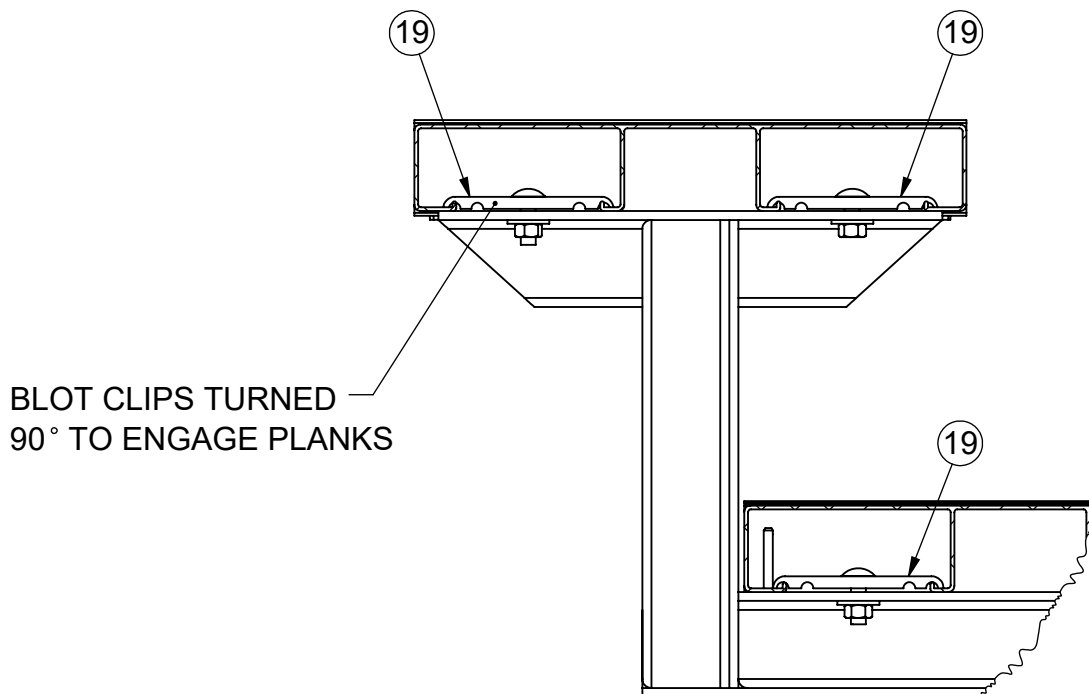
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SECTION A-A



DETAIL-W ENLARGED



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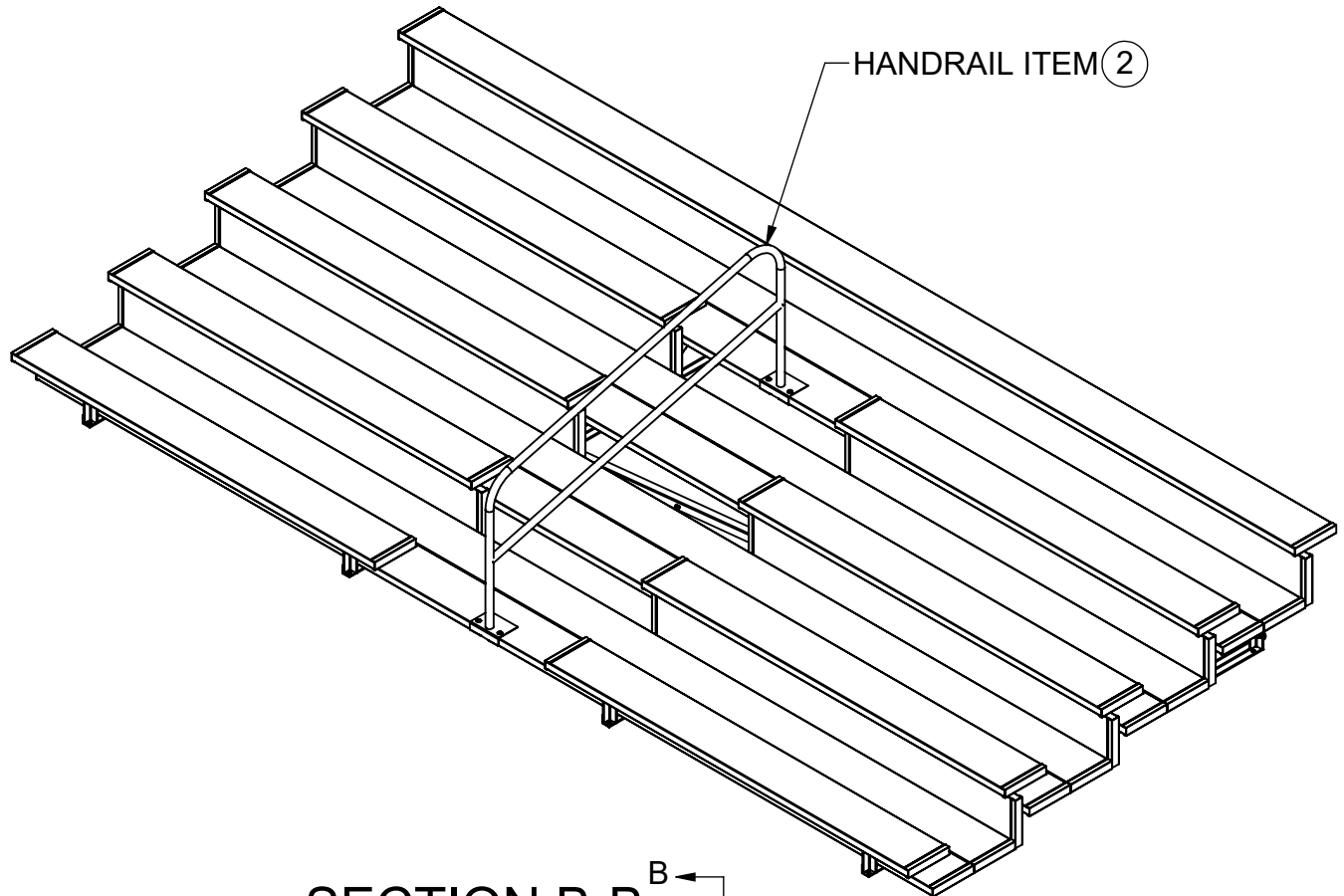
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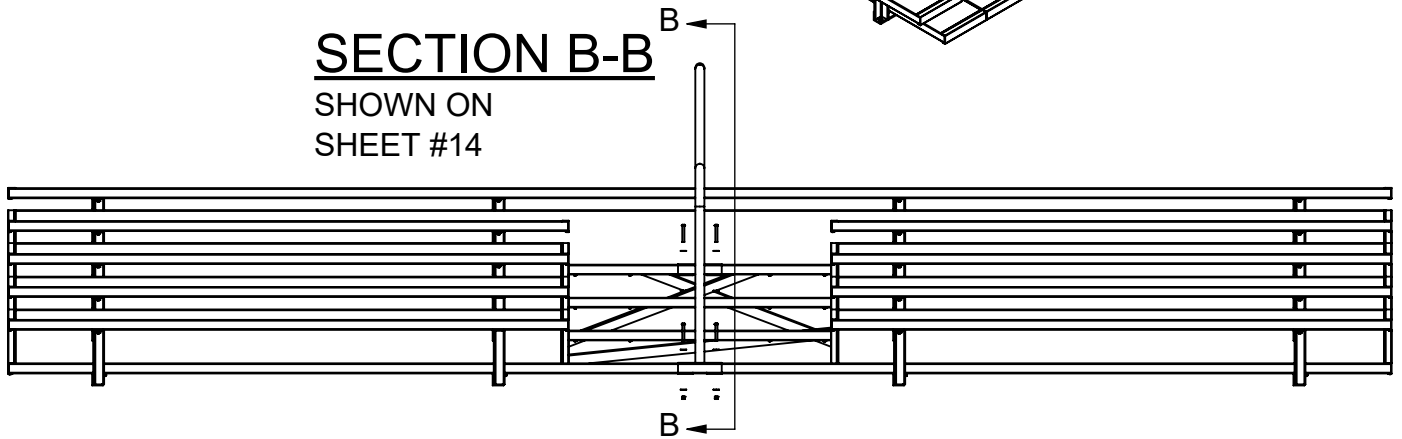
INSTALLATION INSTRUCTIONS:

11) Install Handrail Deluxe Assembly Item (2) on Foot Planks on rows 2 and 5. Place Handrail Deluxe Assembly Item (6) in center of stairway opening. Mark the two holes on Planks shown. Remove Handrail and 7/16" drill the four holes thru top face of Planks. Use 3/8" x 3" Button Head Socket Cap Screw Item (29) , Washers Item (28) , Washers Item (25) and Lock Nuts Item (26) .



SECTION B-B

SHOWN ON
SHEET #14



FRONT VIEW



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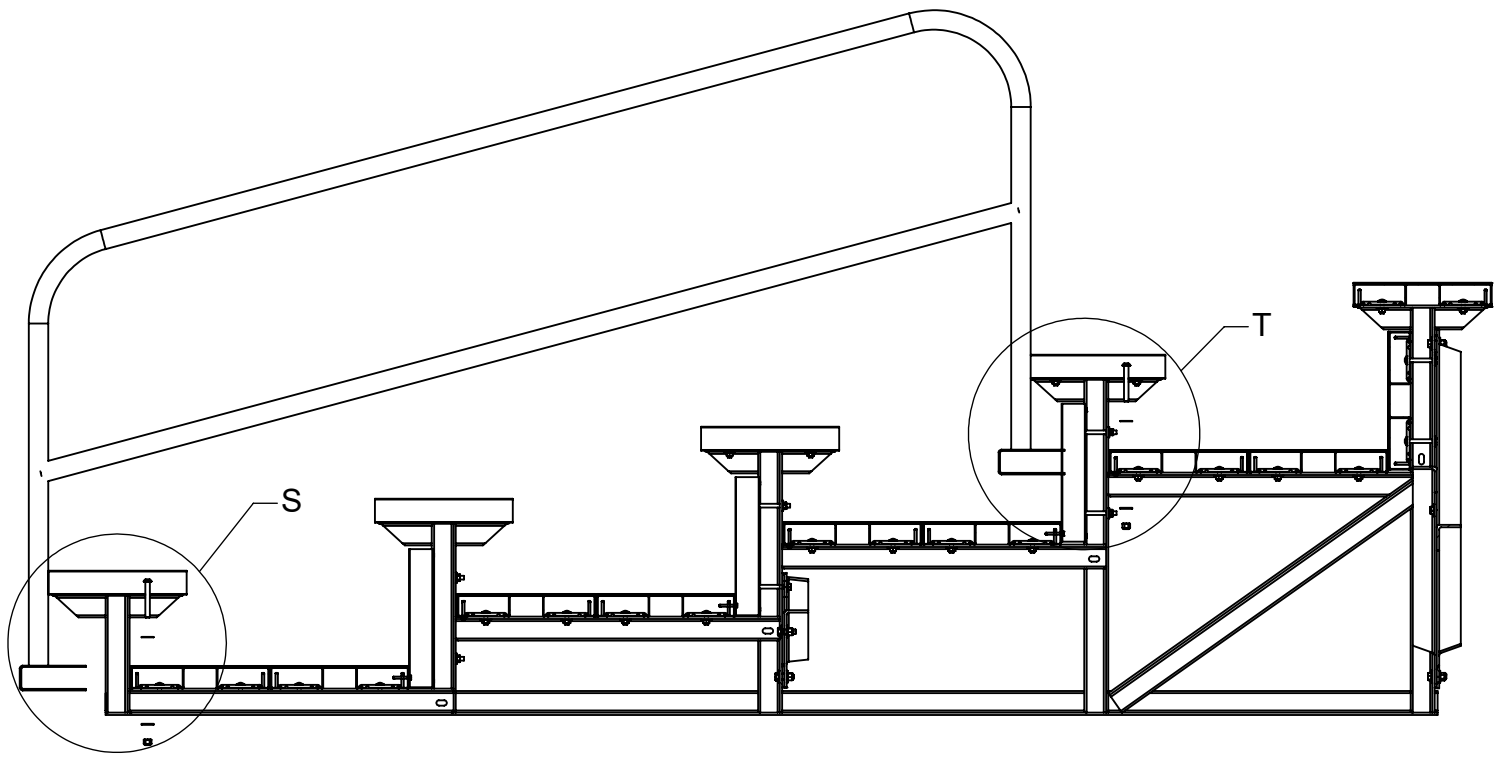
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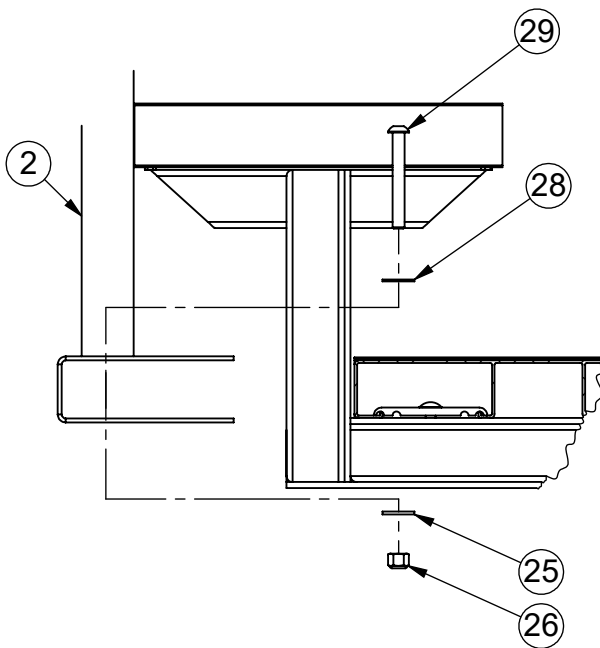
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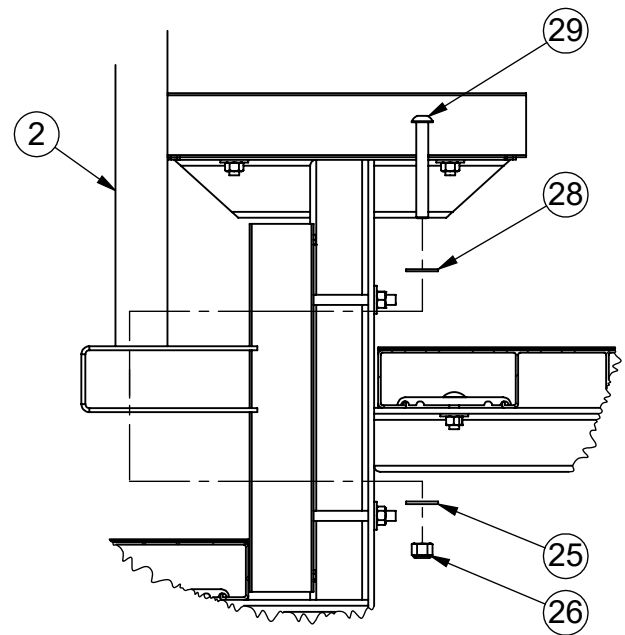
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SECTION B-B
FROM SHEET #13



DETAIL-S
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DETAIL-T
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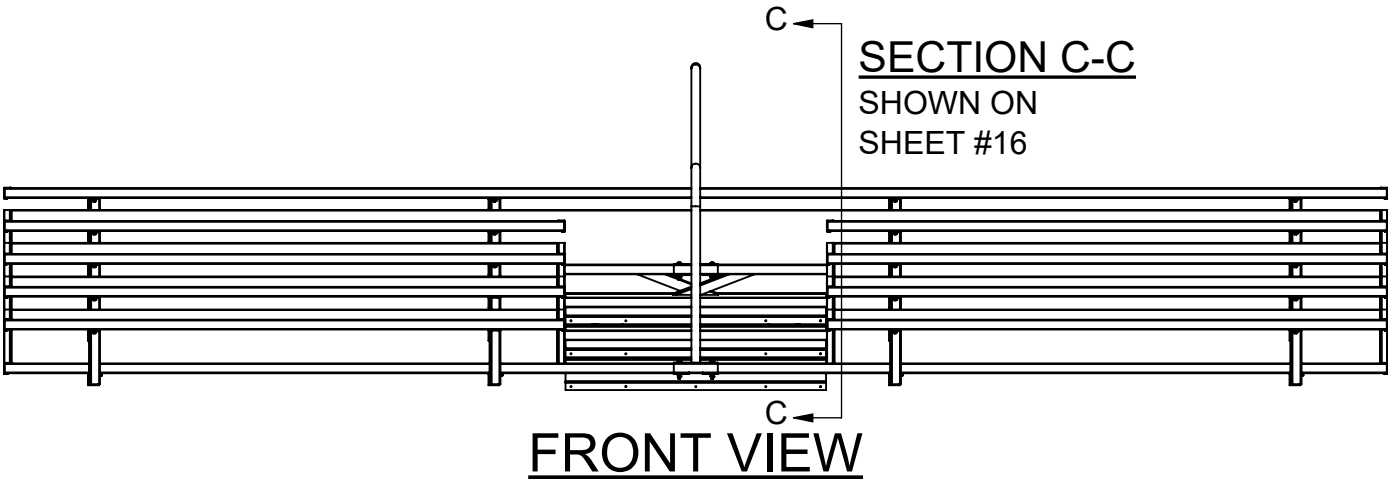
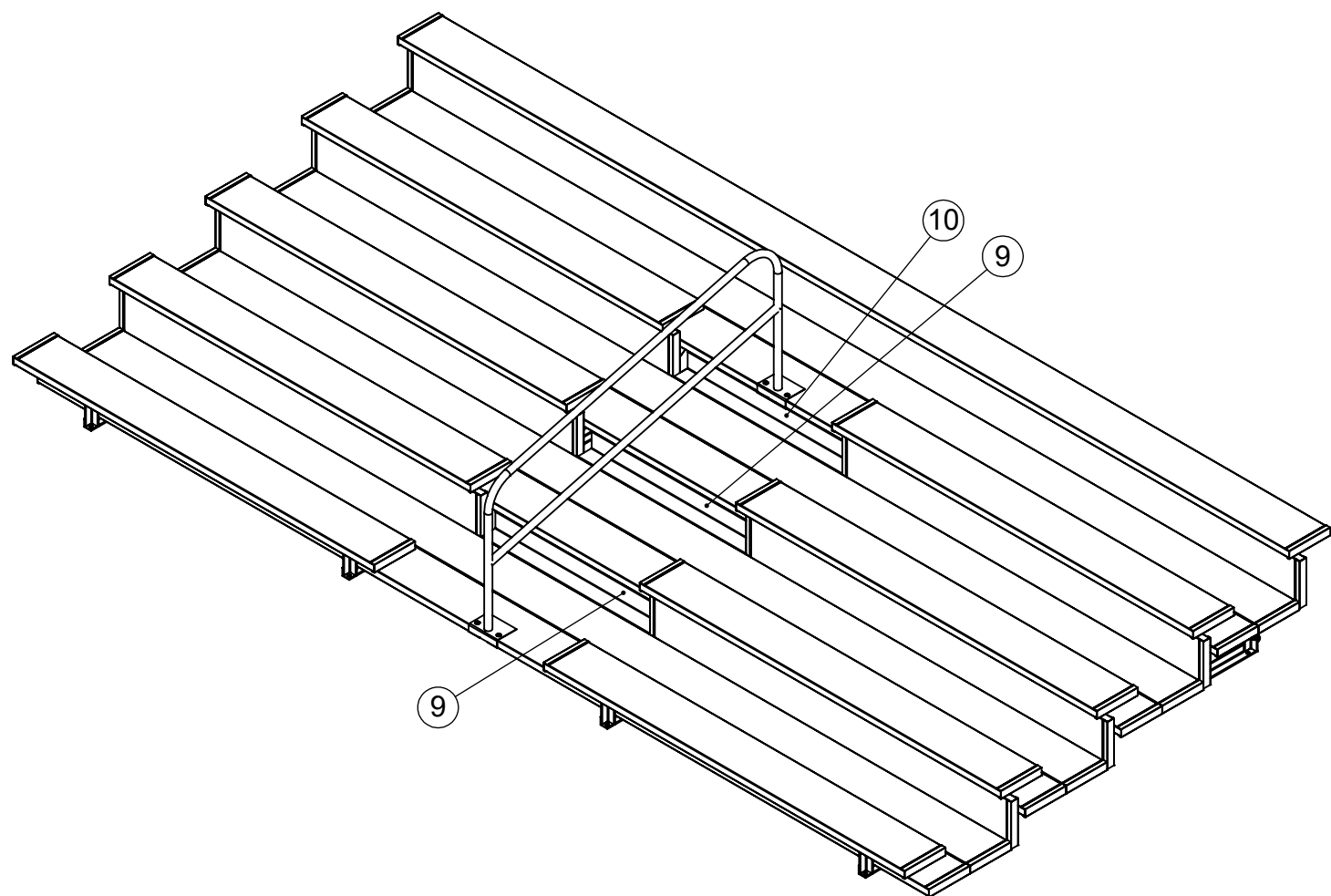
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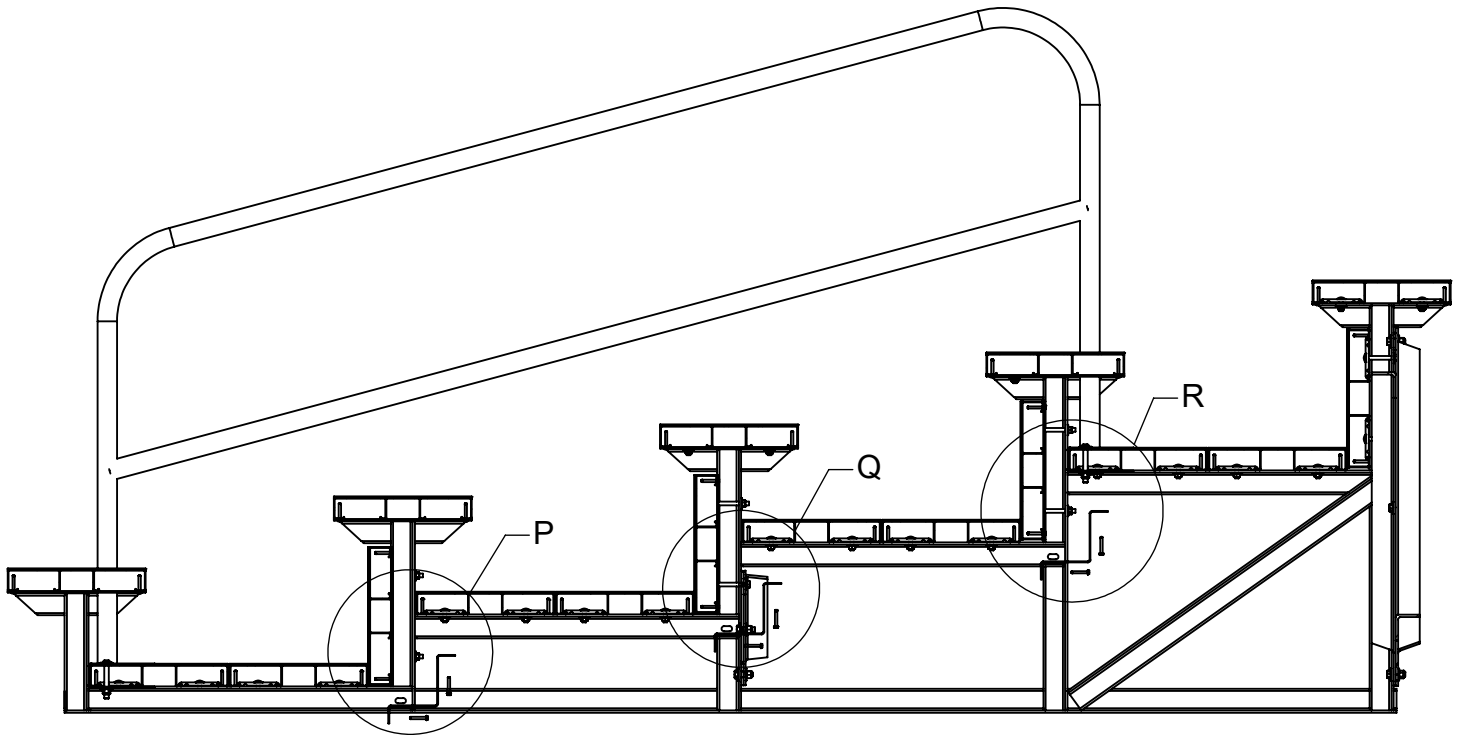
INSTALLATION INSTRUCTIONS:

12) Install Kickboard Common Item (9) for the first two openings to Planks using #10 x 5/8" self tapping screws Item (30) . Install Kickboard With Center Rail Cut Item (10) for the last opening to Planks using #10 x 5/8" self tapping screws Item (30)

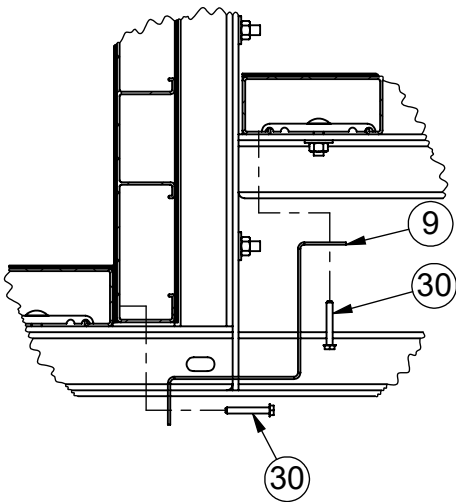


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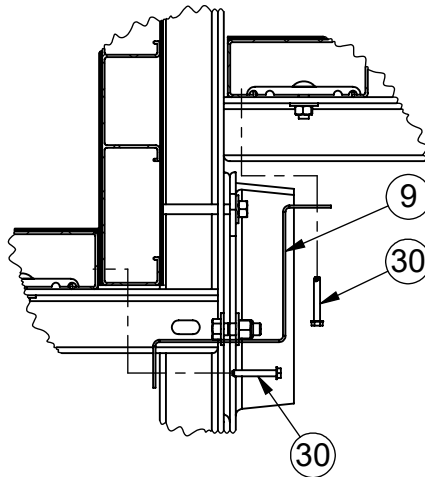
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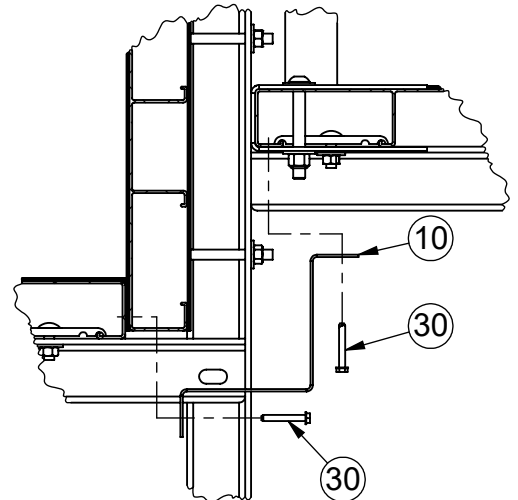
SECTION C-C
FROM SHEET #15



DETAIL-P
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DETAIL-Q
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DETAIL-R
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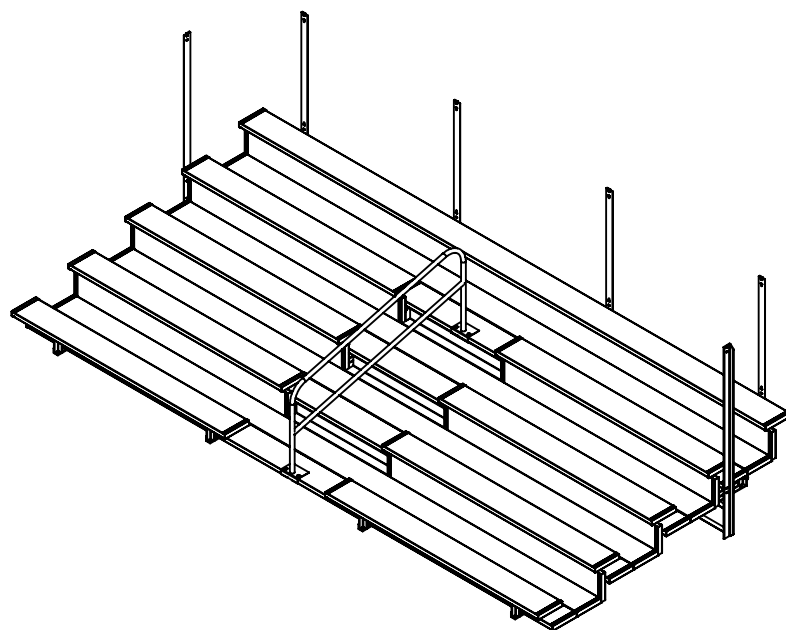
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INSTALLATION INSTRUCTIONS:

8) Install Right, Left and Rear F-Frame Panel Support Items (3) (4) (5) . Attach to Bleacher Frames with 3/8" x 1-1/4" hex bolts Item (27) , washers Item (25) and lock nuts Item (26) .

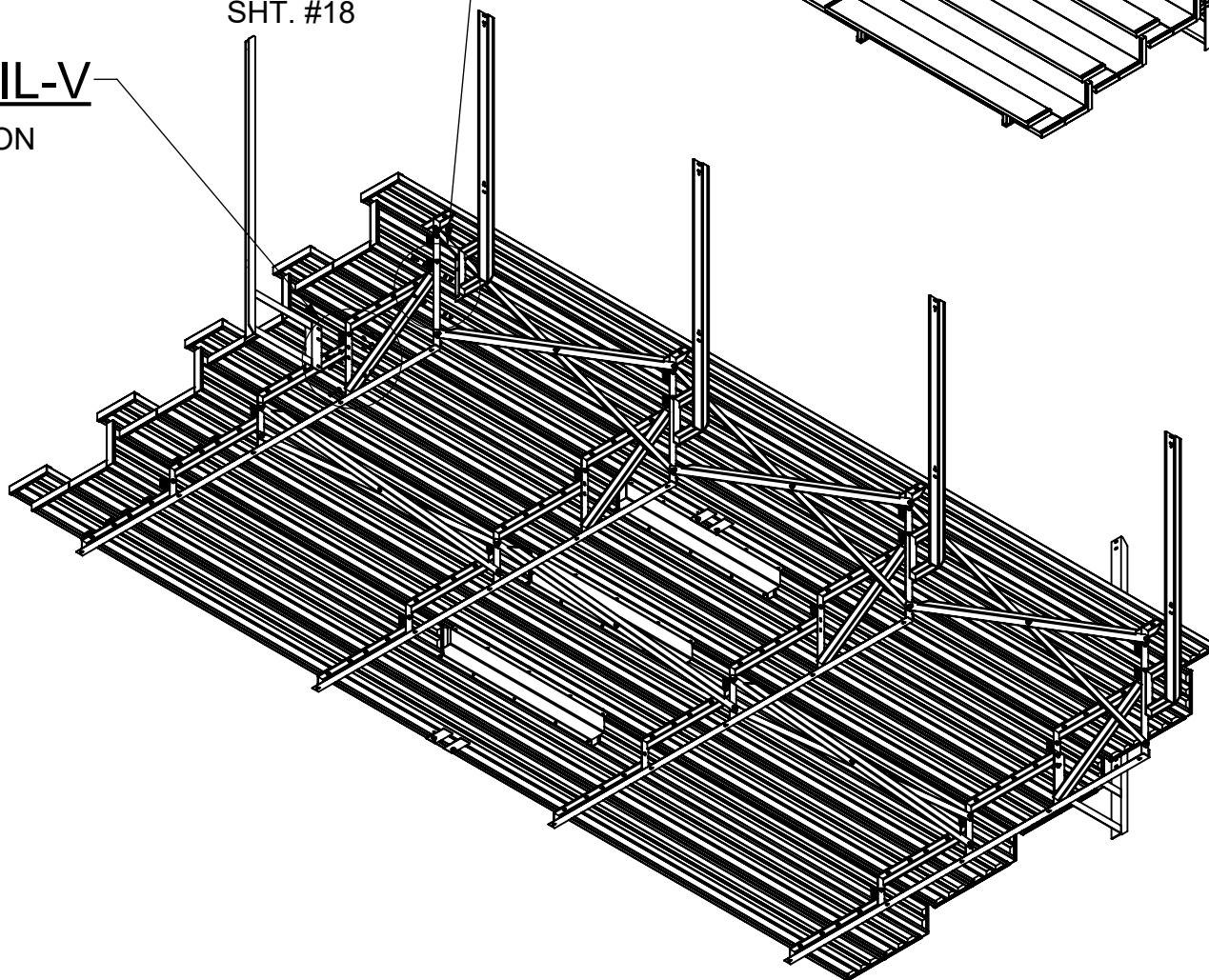


DETAIL-T

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SHT. #18

DETAIL-V

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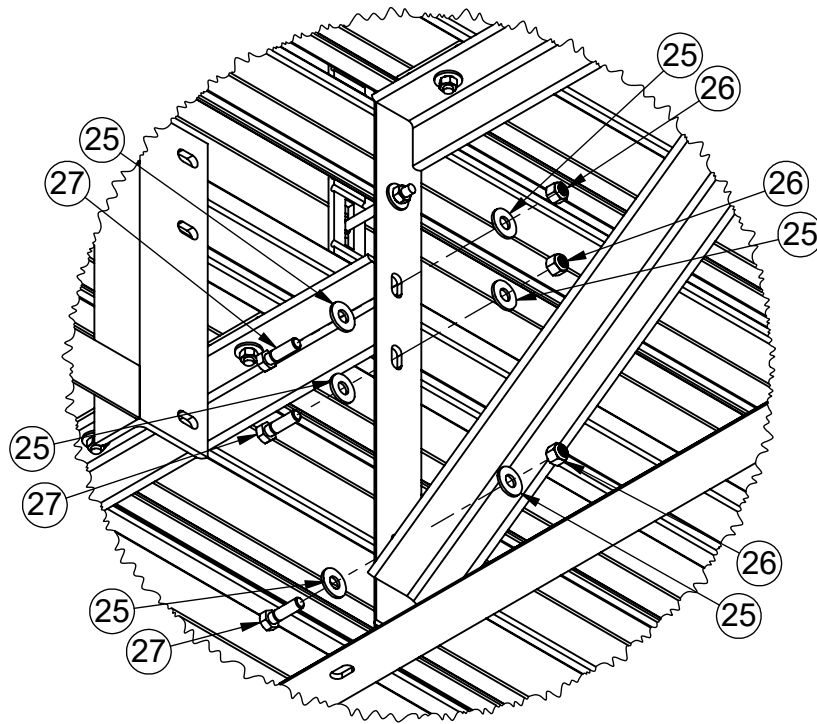
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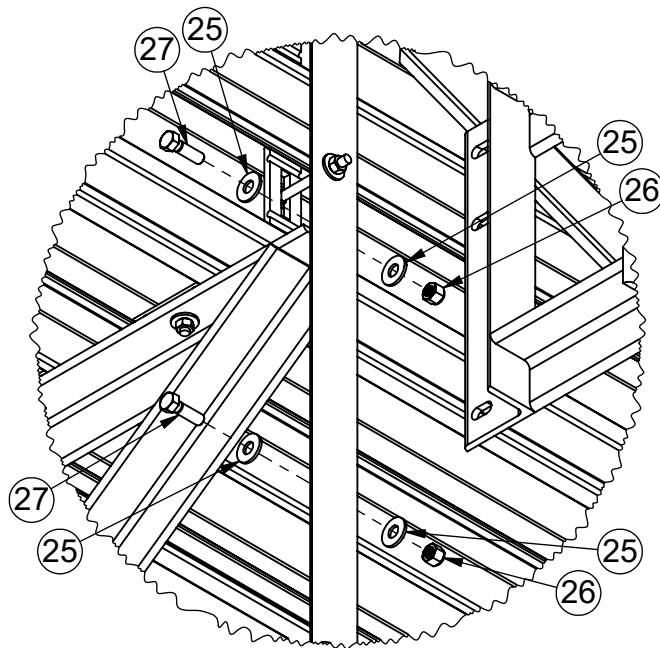
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DETAIL-V
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SHEET #17



DETAIL-T
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SHEET #17



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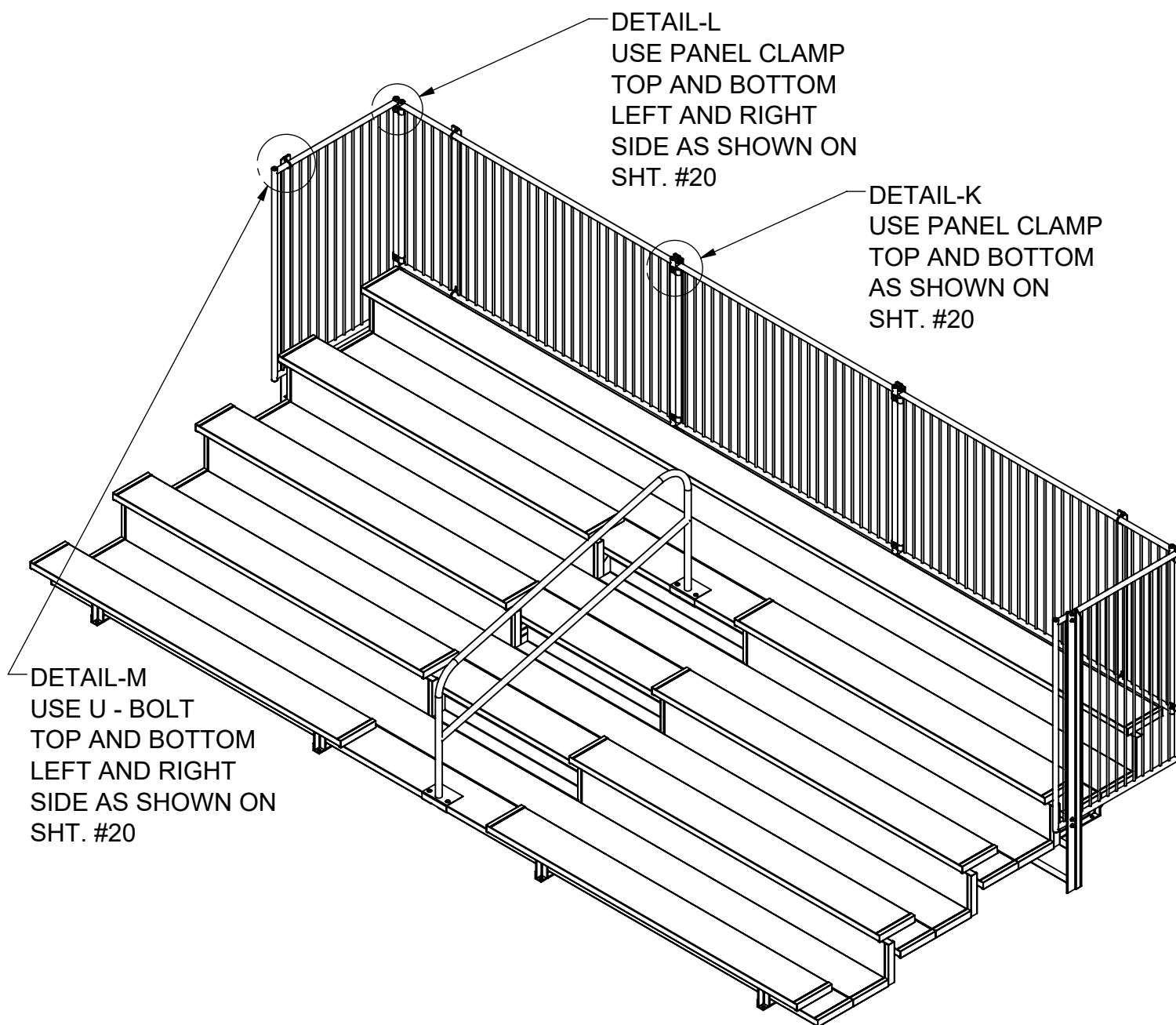
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INSTALLATION INSTRUCTIONS:

9) Install Railing Side and Rear Panels Items (6) (7) (8) . Attach Railing Side Panel Item (6) to Right F-Frame Panel Support Item (3) with 5/16" U-Bolt Item (31), washers Item (22) and lock nuts Item (23) Attach Railing Rear Long Panel Item (7) to Rear F-Frame Panel Support Item (4) using 5/16" U-Bolt Item (31), washers Item (22), lock nuts Item (23), Panel Clamp Item (13), 3/8" x 2-1/2" Carriage bolts Item (24), washers Item (25) and lock nuts Item (26). Repeat with the rest of the Railing Panels.



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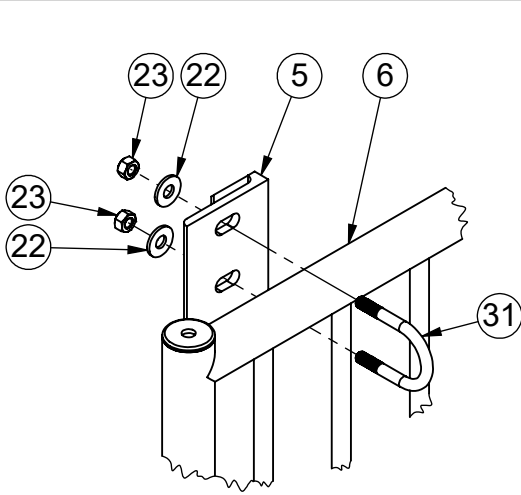
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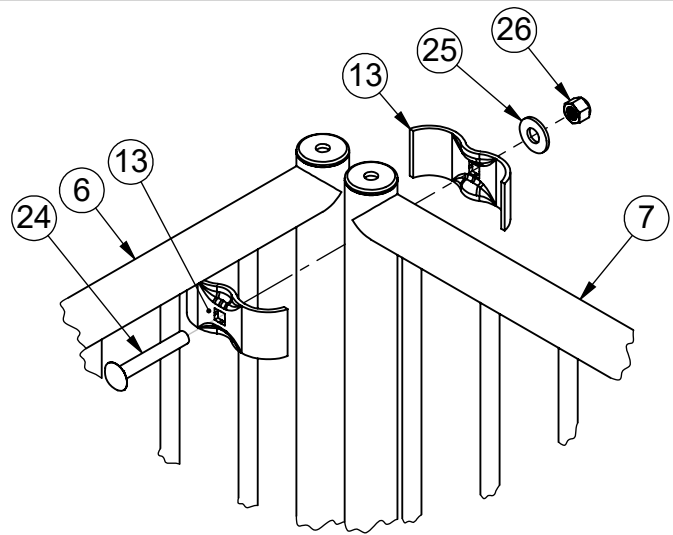
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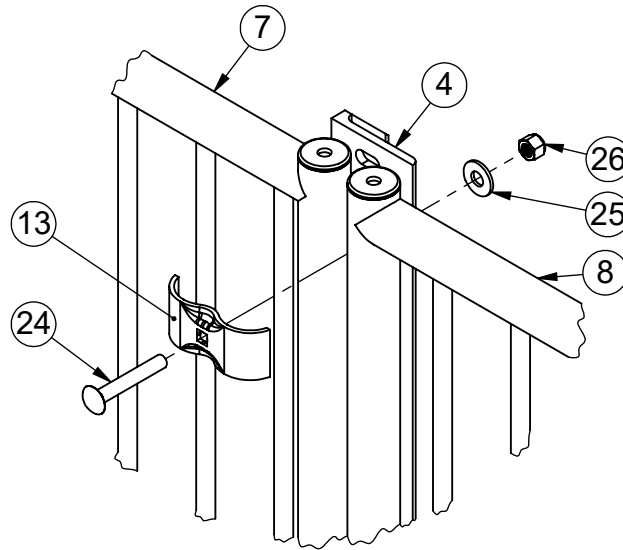
DETAIL-M

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SHT. #19



DETAIL-L

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SHT. #19



DETAIL-K

ENLARGED FROM
SHT. #19

INSTALLATION INSTRUCTIONS:

15) Installing (Optional) Ground Sills (wood measuring 2" x 6" x 9'-6"): a) Center one ground sill under each bleacher frame so the ends are evenly spaced and are centered from side to side. Mark the (4) hole locations in each bleacher frame on each of the ground sills and drill 1/4" x 1" deep pilot holes. DO NOT drill completely through the ground sills. b) Attach the ground sills to the bottom of the bleacher frames with 5/16" x 1-1/4" lag bolts and flat washers provided.



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