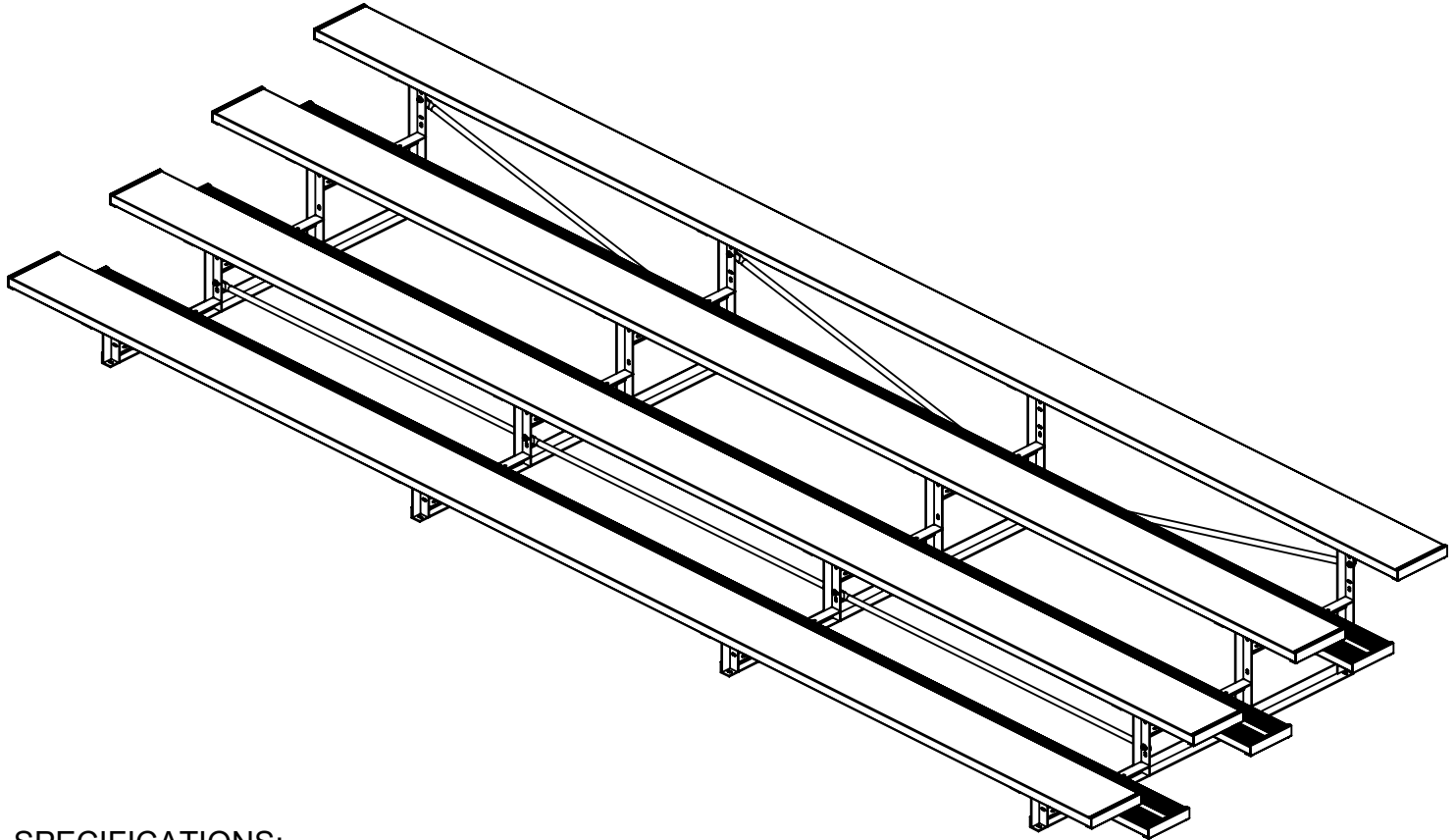


DELUXE SERIES 4-ROW 21' BLEACHER

MODEL 1183-421G 4-ROW 21' STEEL

MODEL 1183-421A 4-ROW 21' ALUMINUM

Deluxe Series designed for dependability and trouble-free maintenance. Featuring 6" rise from row to row with nominal 12" aluminum planks for seats and 10" for footboards. And optional 2" x 6" ground sills



SPECIFICATIONS:

Bleacher Frames are 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.

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

Seat and Foot Planks: Seat planks are nominal 2"x12"x21' and foot planks are 2"x10"x21' 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.



Date: 4/21/2021

Rev: A

Drawn: JBN

Sheet: 1 of 10

PRODUCT NAME

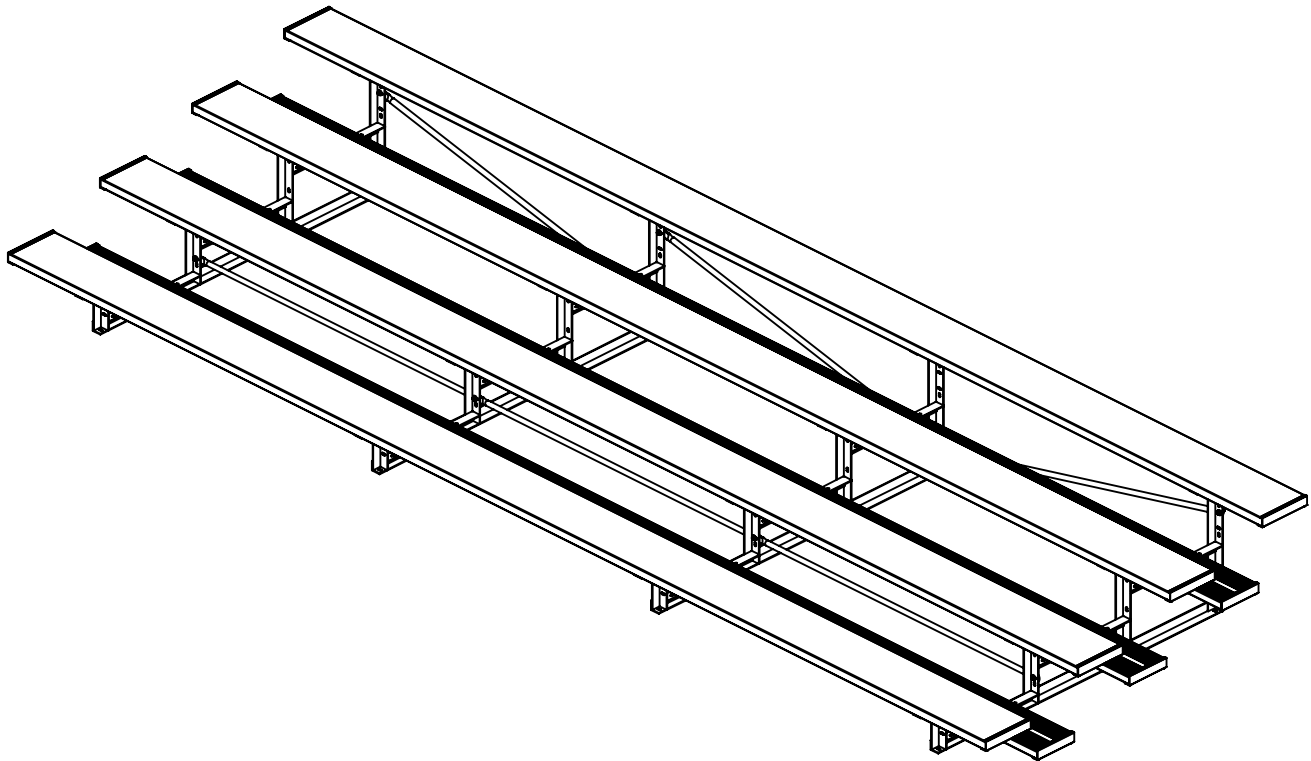
4 ROW DELUXE 21FT

MODEL NO.

1183-421

BOM PARTS & FASTENERS

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	ROW4A or ROW4G	BLEACHER 4-ROW DELUXE FRAME	4
2	CIBLB74.625	BLEACHER BRACE 74-5/8" LONG	6
3	CIBLB76.375	BLEACHER BRACE 76-3/8" LONG	3
4	RMPLK21-12	ALUMINUM PLANK 12"x 252" ANODIZED	4
5	RMPLK21-10	ALUMINUM PLANK 10"x 252" MILL	3
6	VCIAECP212	2"x12" ALUM. END CAP	8
7	VCIAECP	2"x10" ALUM. END CAP	6
8	VCIACLP	BOLT CLIP FOR 10" & 12" ALUMINUM PLANK	56
9	BLSEATADPT	DELUXE SEAT ADAPTER 2" x 11"	16
10	HWCB516114	5/16-18 X 1-1/4 CARRIAGE BOLT GRADE 2 ZINC	56
11	HWFLWA516	5/16 FLAT WASHER	56
12	HWLN516	5/16 NYLOK NUT ZINC	56
13	HWLN38	3/8 NYLOK NUT ZINC	13
14	HWFLWA38	3/8" Flat Washer	26
15	HWHB38112	3/8-16 X 1 1/2 GR5 C/S ZINC HEX BOLT (1000)	13
16	HWTEX1034	#10 x 3/4 SELF TAPPING SCREW	28



Date: 4/21/2021

Rev: A

Drawn: JBN

Sheet: 2 of 10

PRODUCT NAME

4 ROW DELUXE 21FT

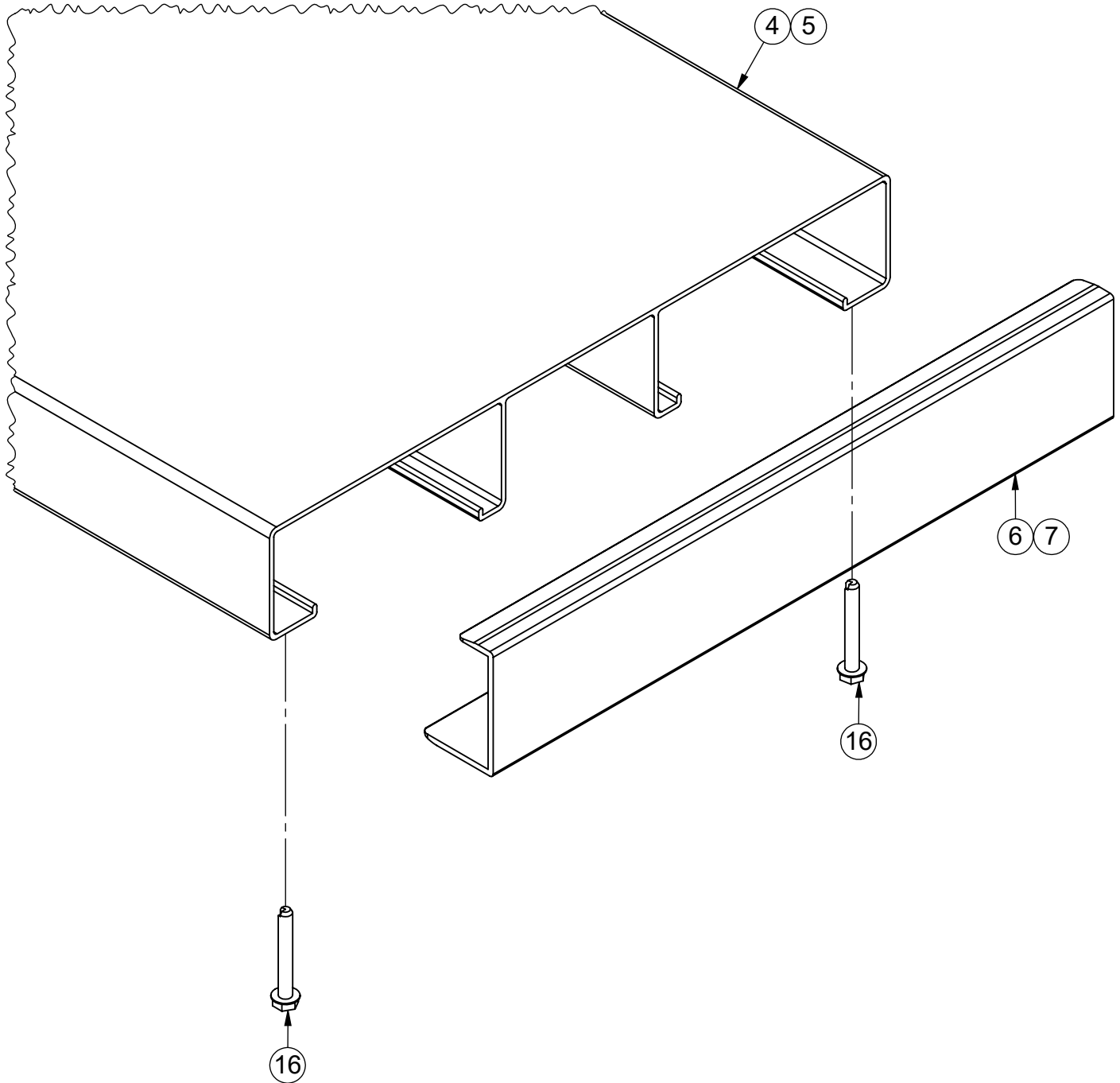
MODEL NO.

1183-421

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" & 2" x 10" end caps Item (6) (7) . Align and assemble all end caps to aluminum planks. Secure using #10 x 3/4" Item (16) self-tapping screw in two locations on the underside of the clip/plank.



Date: 4/21/2021

Rev: A

Drawn: JBN

Sheet: 3 of 10

PRODUCT NAME

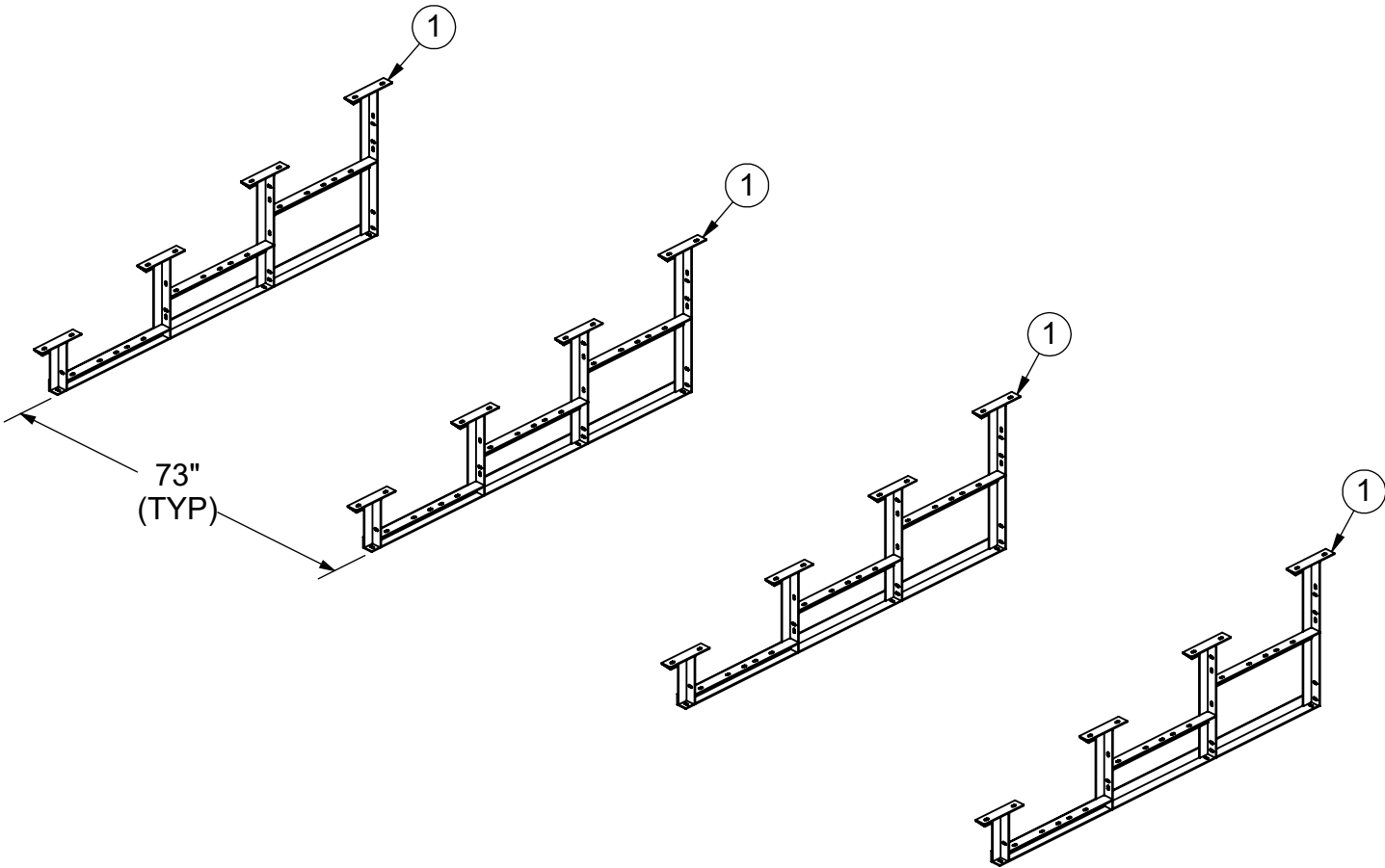
4 ROW DELUXE 21FT

MODEL NO.

1183-421

INSTALLATION INSTRUCTIONS:

3) Locate the four Bleacher 4-Row Standard Frame Item ① and set on a level surface on 73" centers.



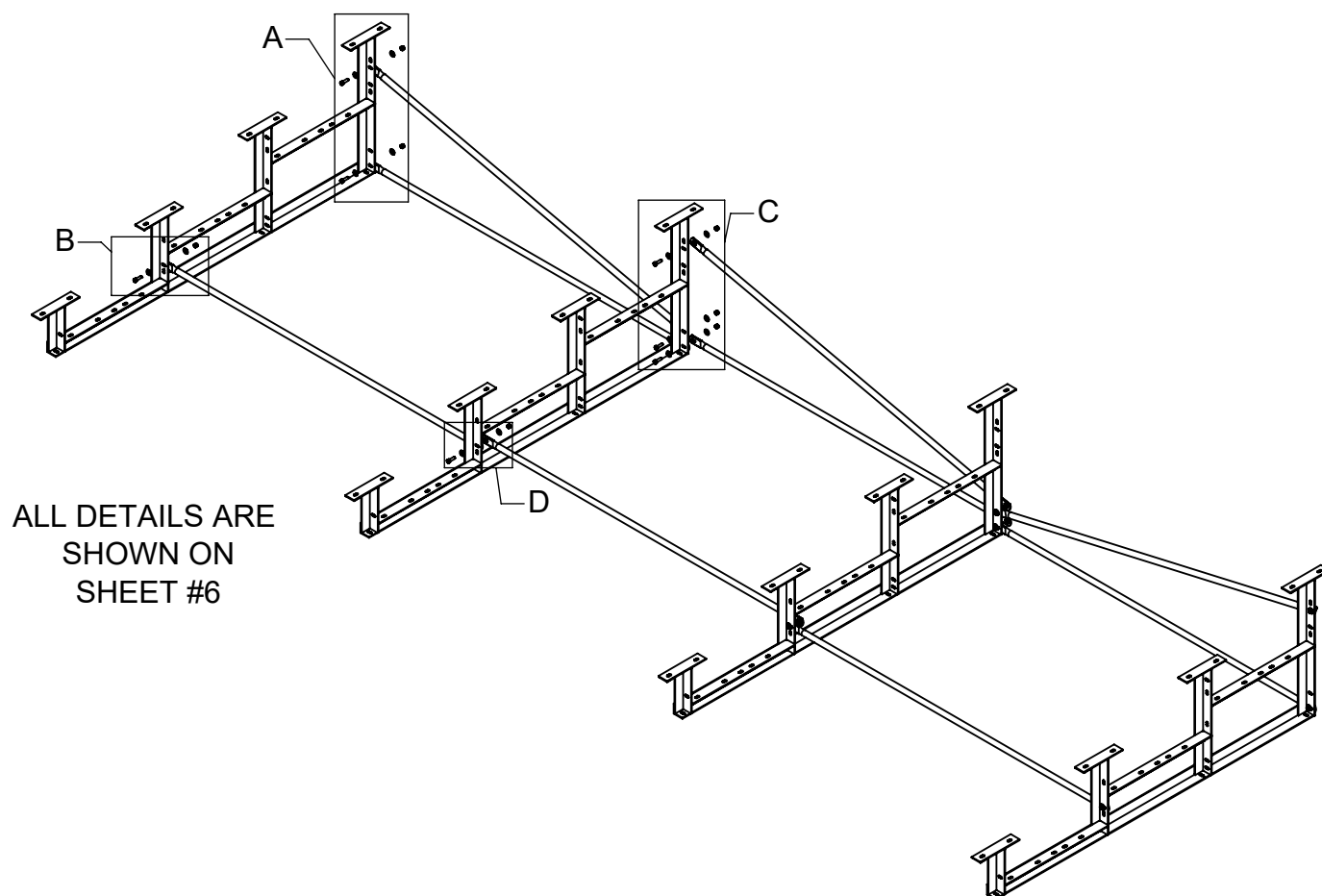
Date: 4/21/2021
Rev: A
Drawn: JBN
Sheet: 4 of 10

PRODUCT NAME
4 ROW DELUXE 21FT
MODEL NO.
1183-421

INSTALLATION INSTRUCTIONS:

4) To Install Cross Braces: a) Locate three sets of braces measuring 74-5/8" and 76-3/8" Item (2) (3) . Install on the backside of the Bleacher Frames using 3/8" x 1-1/2" Hex Bolt Item (15) , Washers Item (14) , and Lock Nut Item (13) 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.



Date: 4/21/2021

Rev: A

Drawn: JBN

Sheet: 5 of 10

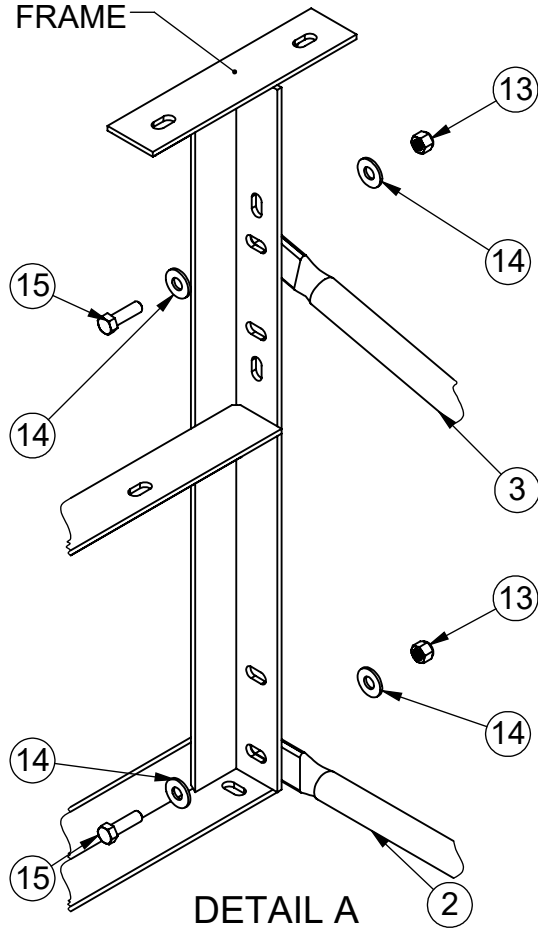
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4 ROW DELUXE 21FT

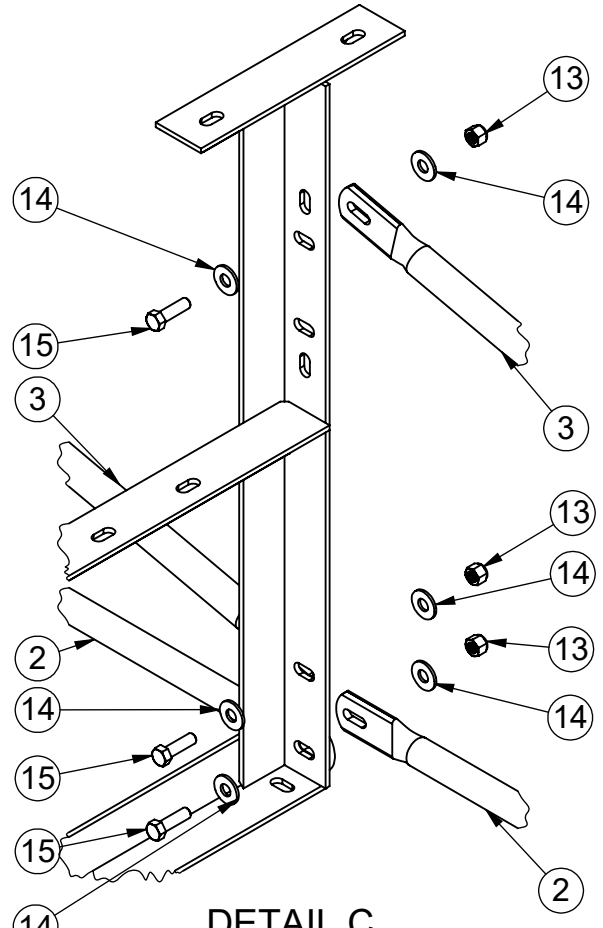
MODEL NO.

1183-421

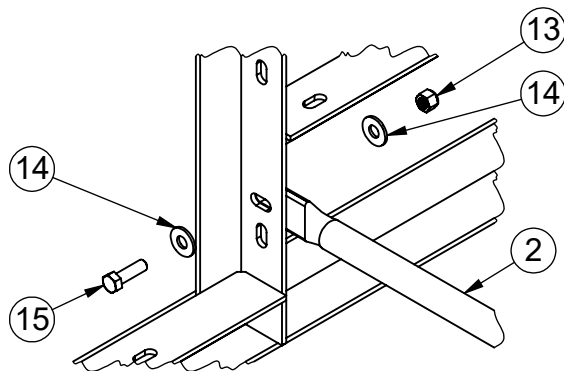
BLEACHER
FRAME



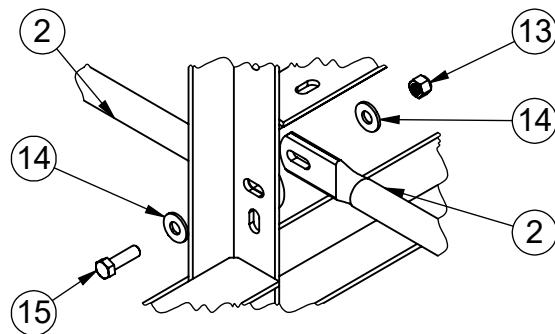
DETAIL A
FROM SHEET #5
SCALE 1 : 6



DETAIL C
FROM SHEET #5
SCALE 1 : 6



DETAIL B
FROM SHEET #5
SCALE 1 : 6



DETAIL D
FROM SHEET #5
SCALE 1 : 6



Date: 4/21/2021

Rev: A

Drawn: JBN

Sheet: 6 of 10

PRODUCT NAME

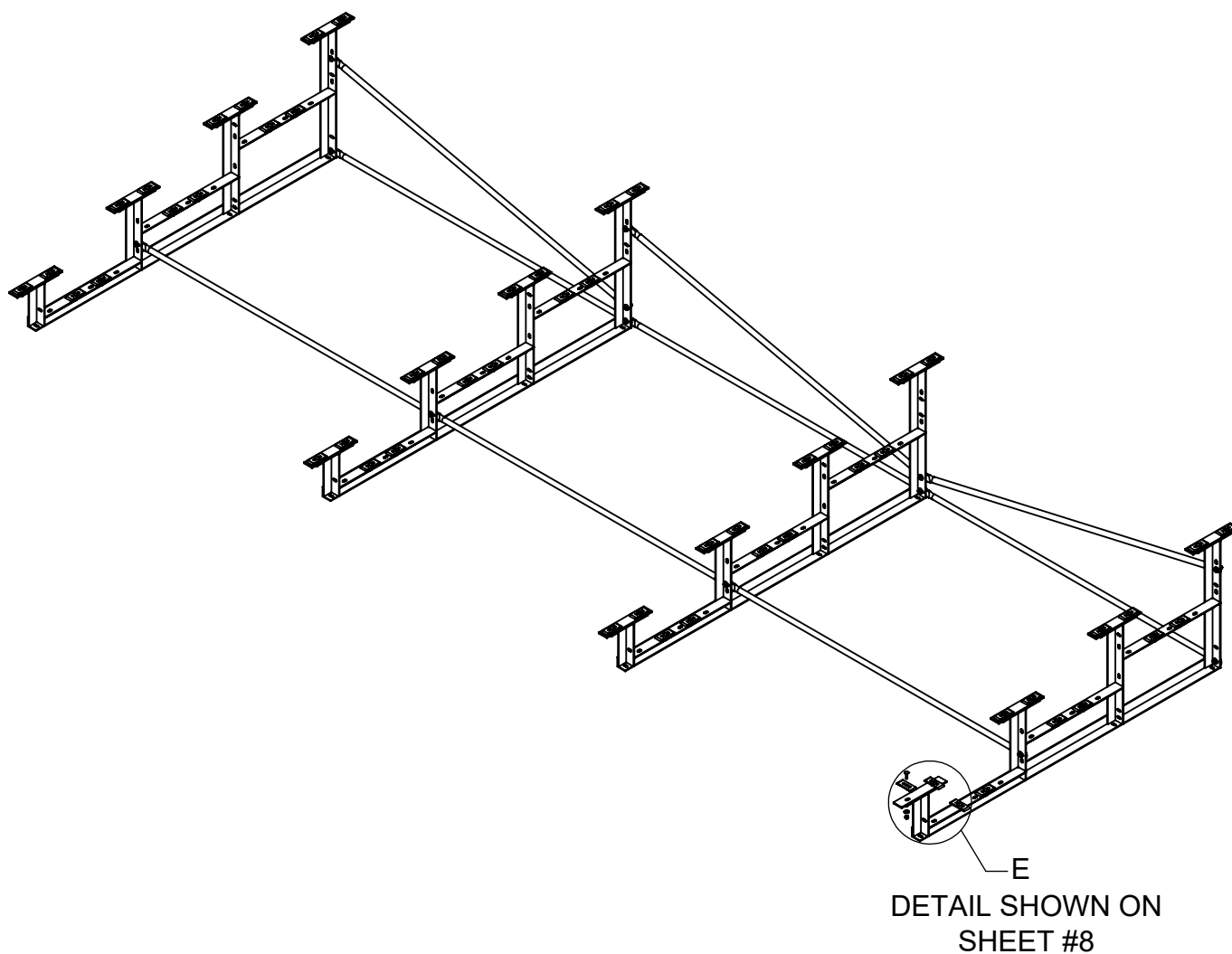
4 ROW DELUXE 21FT

MODEL NO.

1183-421

INSTALLATION INSTRUCTIONS:

5) To Install Seat and Foot Planks: a) First place deluxe seat adapter (9) on the uprights then install the Bolt Clip For 10" & 12" Aluminum Plank Item (8) using 5/16" x 1-1/4" carriage bolts Item (10), washer Item (11), and lock nuts (12) on top of the seat and foot board supports. Give nuts about 3/4 turn (just enough to secure). Turn Bolt Clips Item (8) perpendicular to the frames.



Date: 4/21/2021

Rev: A

Drawn: JBN

Sheet: 7 of 10

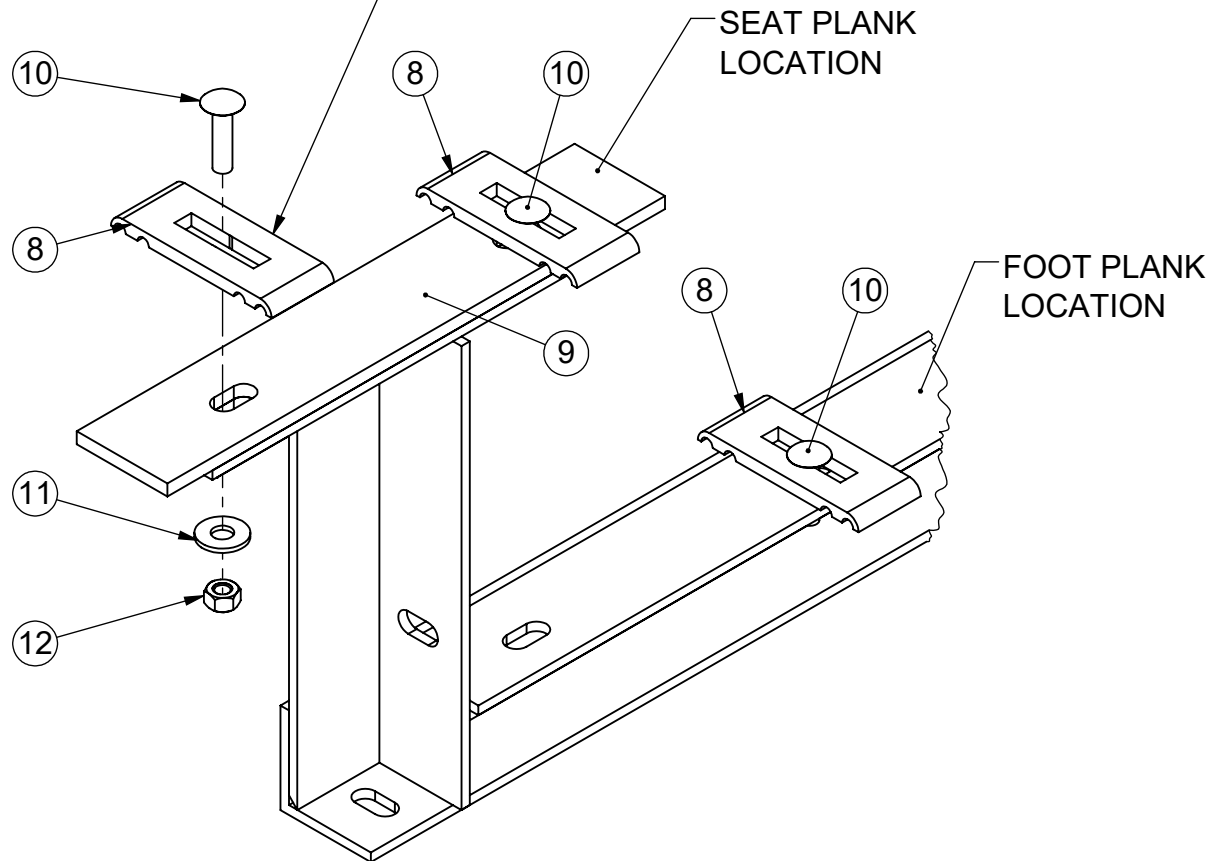
PRODUCT NAME

4 ROW DELUXE 21FT

MODEL NO.

1183-421

CLIPS ITEM ⑧ TURNED
90° TO BLEACHER FRAME
FOR INSTALLATION OF SEAT,
FOOT AND RISER PLANKS



DETAIL E
FROM SHEET #7
SCALE 1 : 3



Date: 4/21/2021

Rev: A

Drawn: JBN

Sheet: 8 of 10

PRODUCT NAME

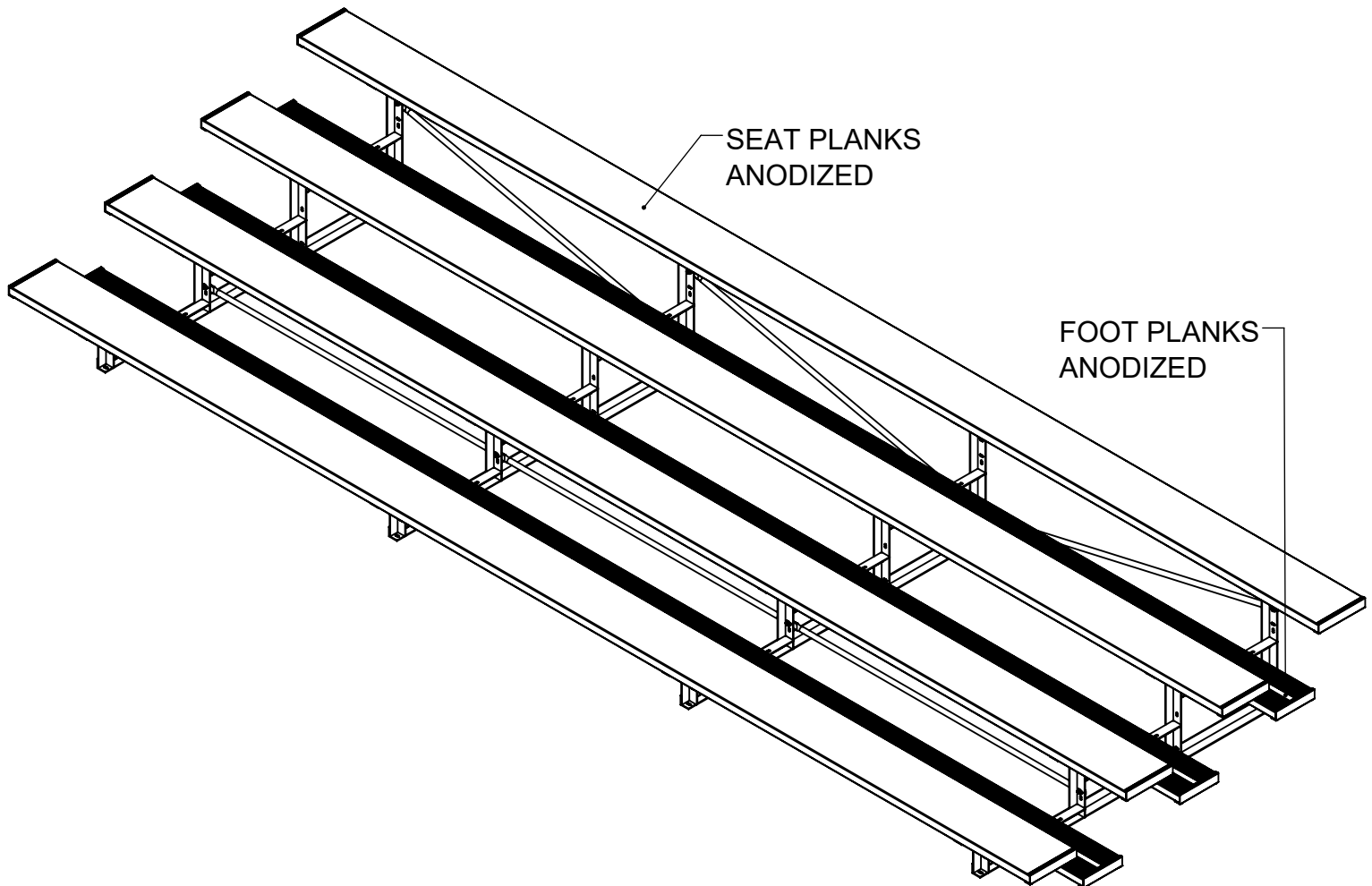
4 ROW DELUXE 21FT

MODEL NO.

1183-421

INSTALLATION INSTRUCTIONS:

6) Position seat Planks, Foot Planks and Riser Planks on the supports so the Bolt Clips Item ⑧ are between the slots in the bottom of Planks. Reach up underneath the Seat Plank and Foot Plank to rotate the Bolt Clips Item ⑧ to 90° so they engage the planks. To Secure Planks to Frames center the planks on the frames Item ① . Tighten all hardware on frames and planks securely.



SECTION F-F

SHOWN ON
SHEET #10



Date: 4/21/2021

Rev: A

Drawn: JBN

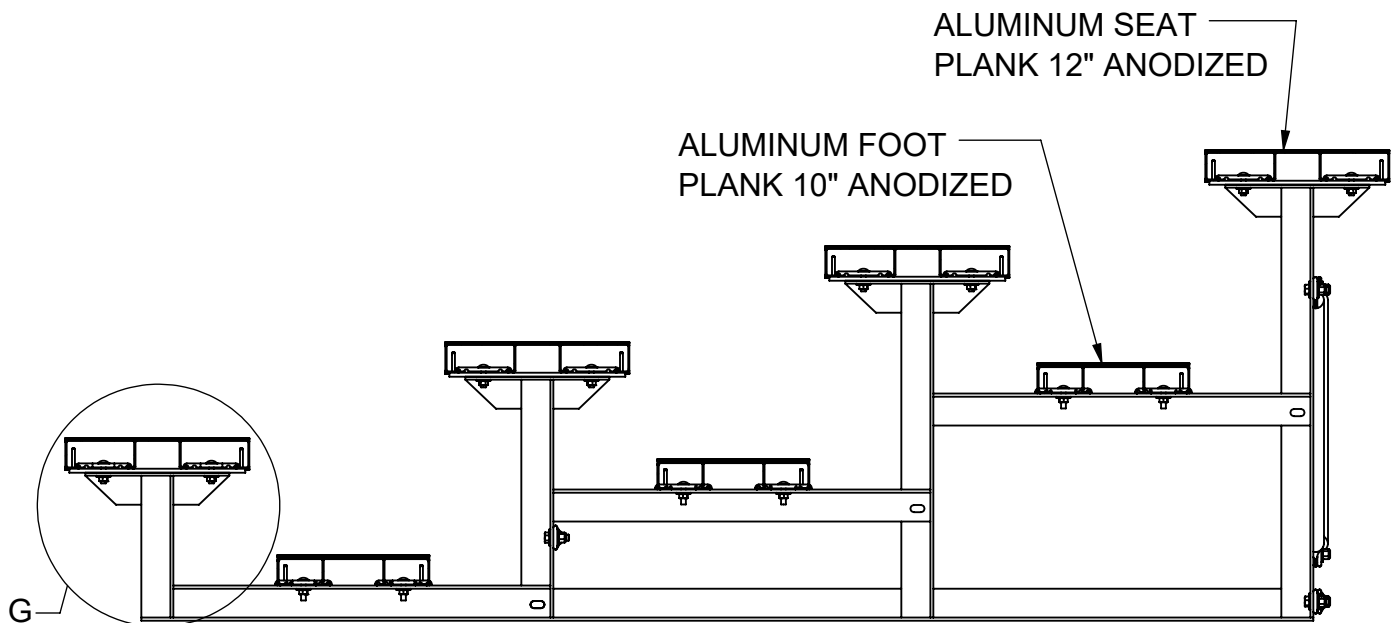
Sheet: 9 of 10

PRODUCT NAME

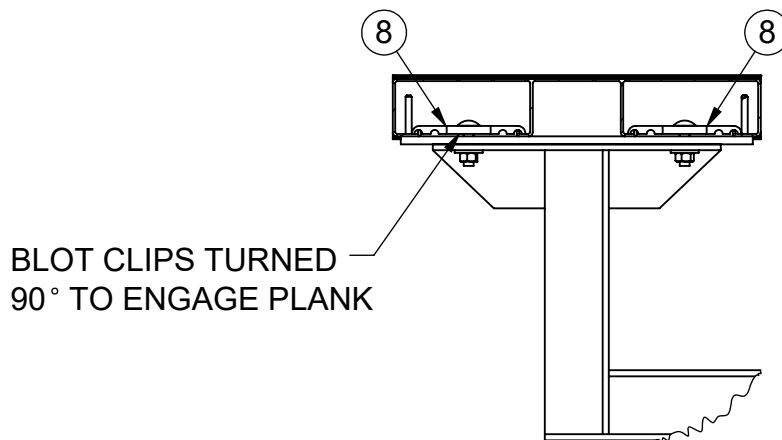
4 ROW DELUXE 21FT

MODEL NO.

1183-421



SECTION F-F
FROM SHEET #9
SCALE 1 : 12



DETAIL G
SCALE 1 : 6

INSTALLATION INSTRUCTIONS:

7) Installing (Optional) Ground Sills (wood measuring 2" x 6" x 96"): 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.



Date: 4/21/2021

Rev: A

Drawn: JBN

Sheet: 10 of 10

PRODUCT NAME

4 ROW DELUXE 21FT

MODEL NO.

1183-421