

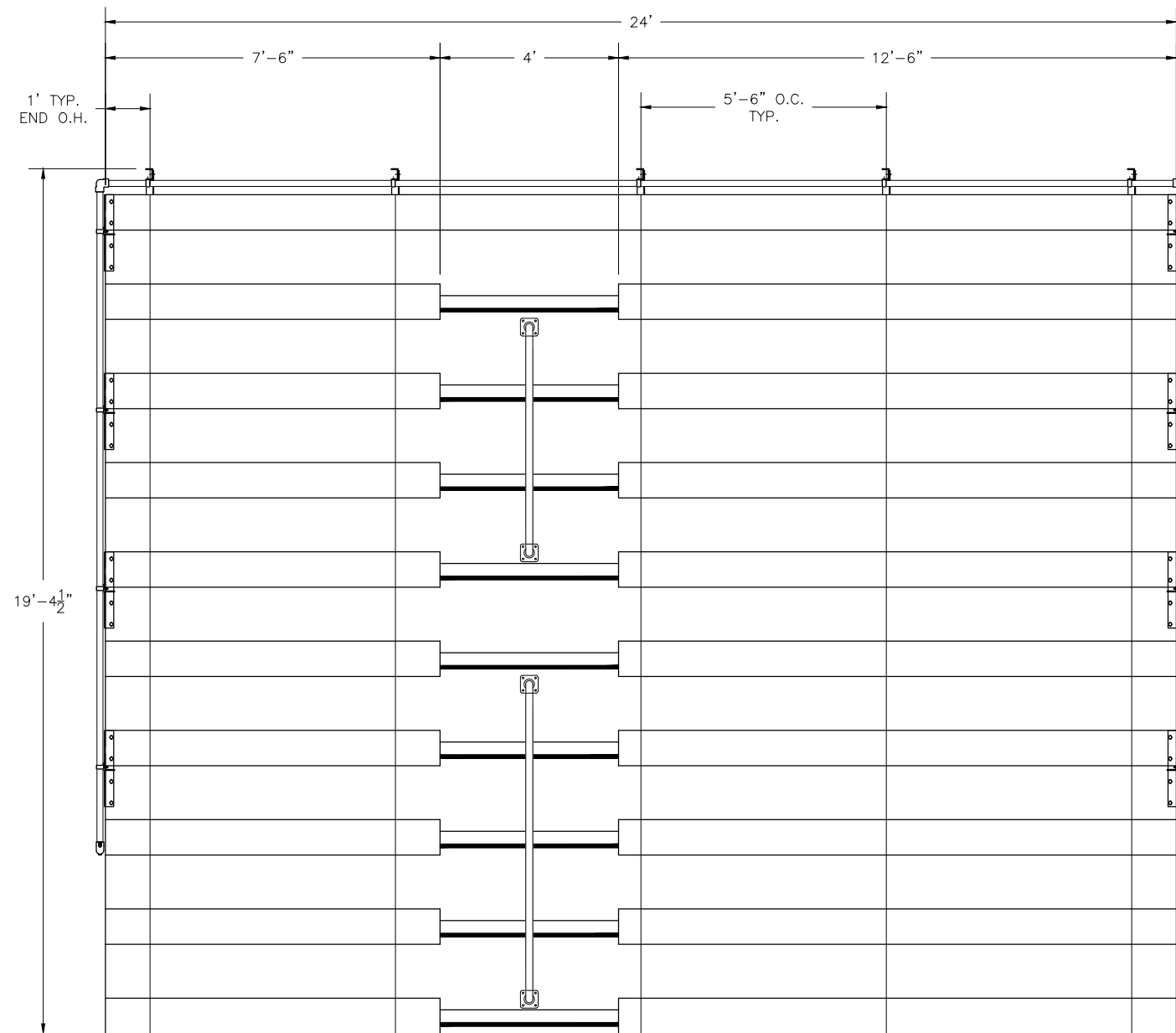
# ***NA-1024DLX\_CL***

## ***NON ELEVATED 10 ROW x 24'-0" BLEACHER***

### **National Recreation Systems, Inc.**

1300-D AIRPORT NORTH OFFICE PARK FORT WAYNE, IN 46825

CS.1	- COVER SHEET
TD.1	- BLEACHER SEATING PLAN
FP.1	- FOUNDATION PLAN
BA.1	- BLEACHER FRAMING & CLIP PRE-ASSEMBLY
BA.2	- BLEACHER BRACING LOCATION PLAN
BA.3	- BLEACHER ASSEMBLY
AP.1	- ANCHORING PLAN
PF.1	- PLANK & FRAMING PLAN
VA.1	- VERTICAL AISLE ASSEMBLY
GR.1	- GUARDRAIL ASSEMBLY



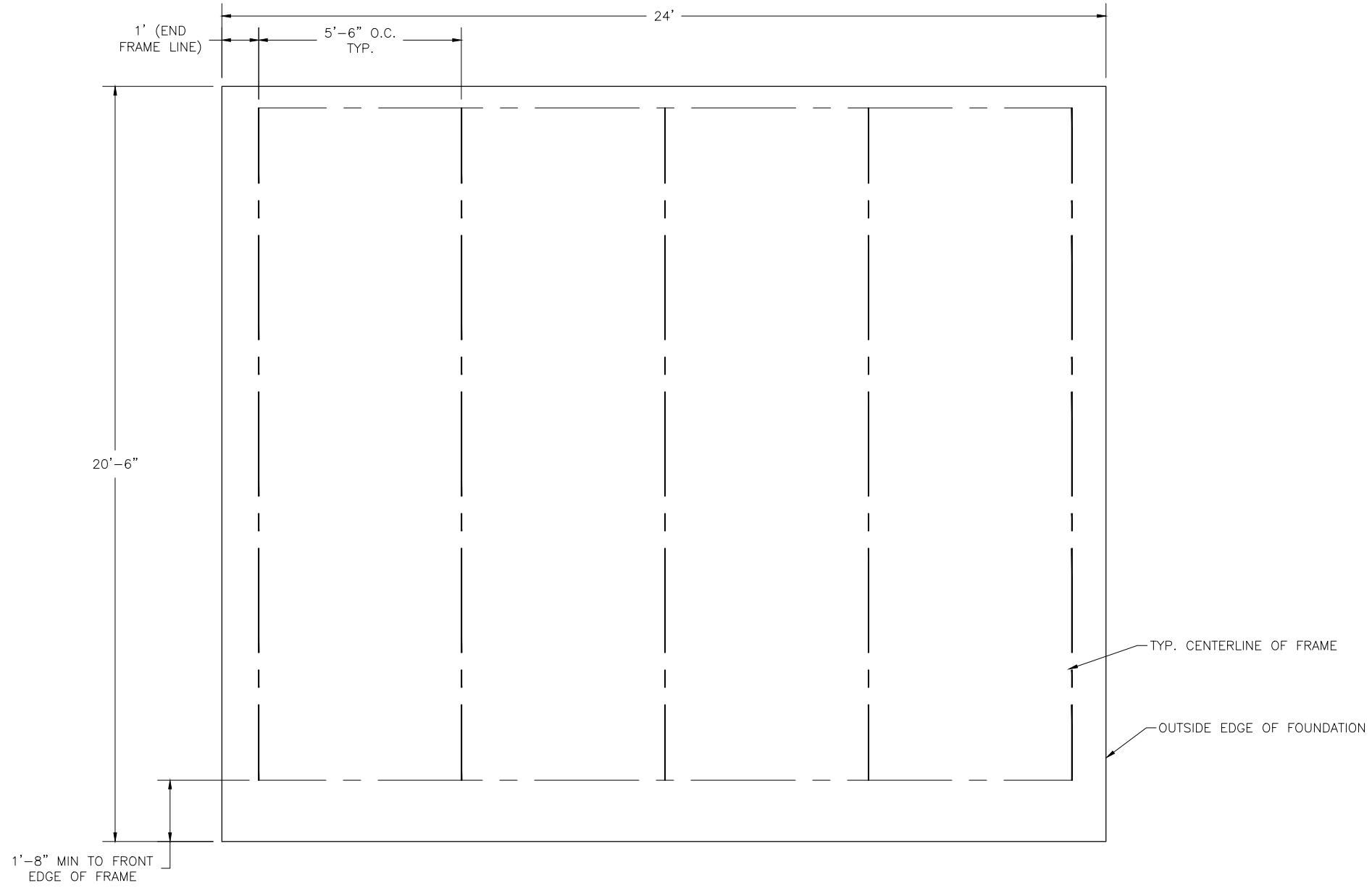
SECTION LENGTH	GROSS SEATS	ACTUAL SEATS	NO. OF ROWS	NET SEATS
24	16.00	16.00	1	16
7.5	5.00	5.00	9	45
12.5	8.33	8.00	9	72
<b>NET SEATS</b>				<b>133</b>
<b>WHEELCHAIR SPACES</b>				<b>0</b>
<b>TOTAL NET SEATING CAPACITY</b> (BASED ON 18" PER SEAT)				<b>133</b>

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SCALE: N.T.S.	APPROVED BY:	DRAWN BY: JML
DATE: 4/27/17		
TITLE: 10 ROW X 24'-0" BLEACHER SEATING PLAN		
BLEACHER MODEL #: NA-1024DLX_CL	DRAWING NUMBER: TD.1	

LOCATE FRAMES ON FOUNDATION



\* MINIMUM FOUNDATION AREA SHOWN. DEPENDING ON LOCAL SOIL CONDITIONS, BLEACHER CAN BE INSTALLED ON A CONCRETE PAD OR FOOTERS, OR ATTACHED TO 2x6 TREATED LUMBER GROUND SILLS AND PLACED ON COMPACTED STONE, ASPHALT, OR ANY OTHER SMOOTH, SOLID, LEVEL SURFACE. CONSULT YOUR LOCAL CONCRETE CONTRACTOR TO DETERMINE PROPER CONCRETE SPECIFICATIONS FOR YOUR LOCAL SOIL AND WEATHER-RELATED CONDITIONS. THE BEARING SURFACE MUST BE CAPABLE OF SUPPORTING A MINIMUM OF 660 POUNDS PER LINEAR FOOT. TO MEET LOCAL CODES, BLEACHERS WILL NEED TO BE ANCHORED. ANCHORING SYSTEMS FOR ALL SURFACE TYPES ARE AVAILABLE - CONTACT YOUR BLEACHER SALES REPRESENTATIVE FOR MORE INFORMATION.

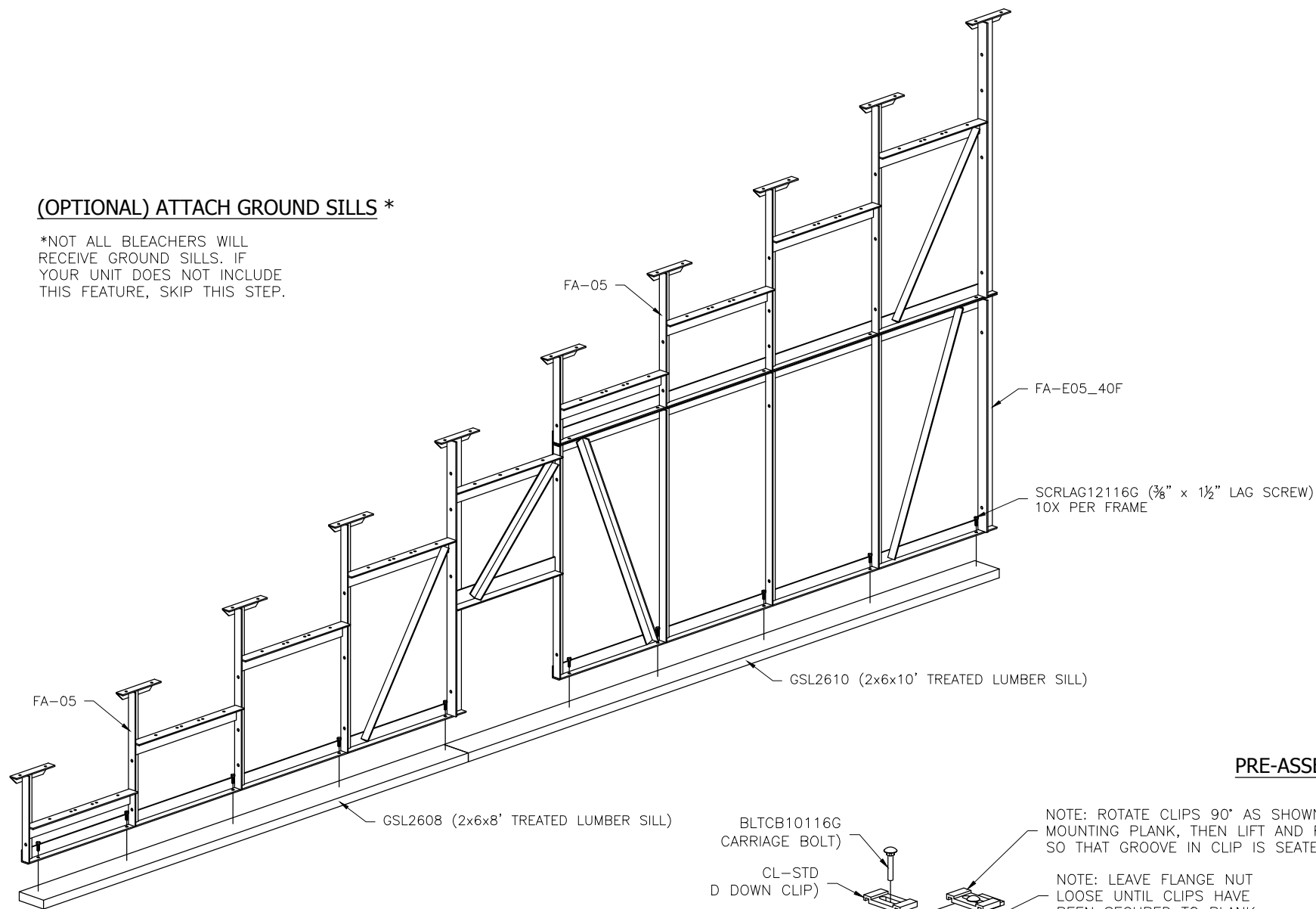
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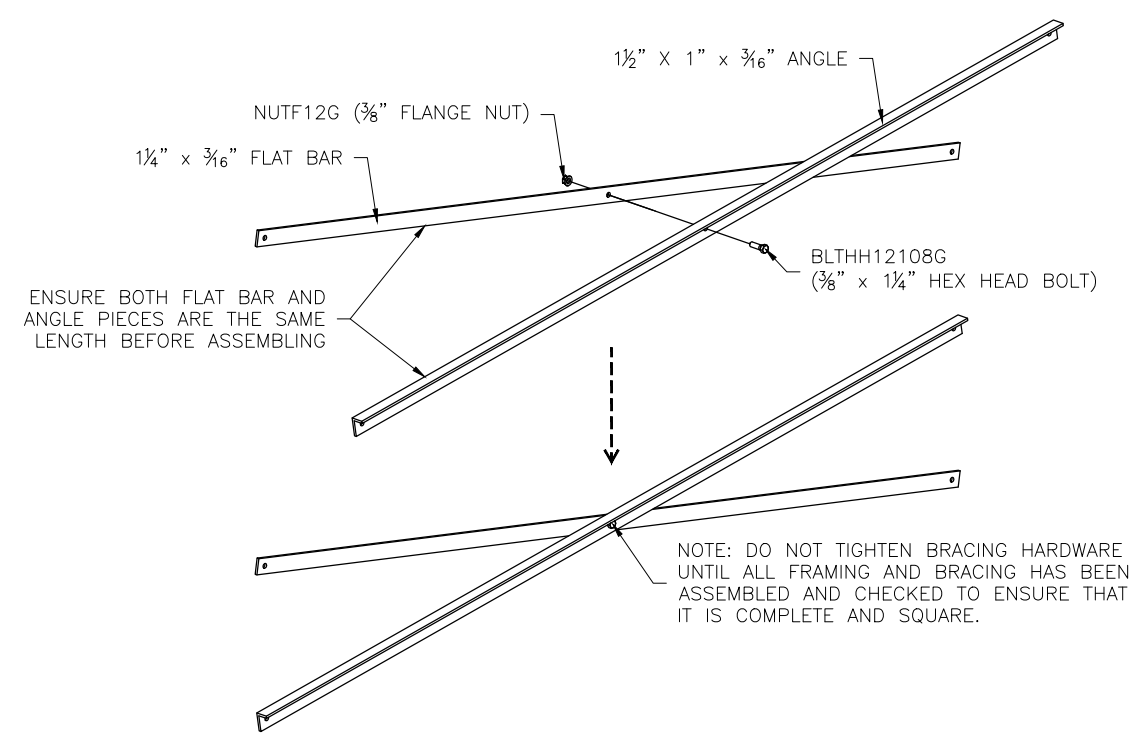
SCALE: N.T.S.	APPROVED BY:	DRAWN BY: JML
DATE: 4/27/17		
TITLE: 10 ROW 24'-0" FOUNDATION PLAN		
BLEACHER MODEL #: NA-1024DLX_CL	DRAWING NUMBER: FP.1	

**(OPTIONAL) ATTACH GROUND SILLS \***

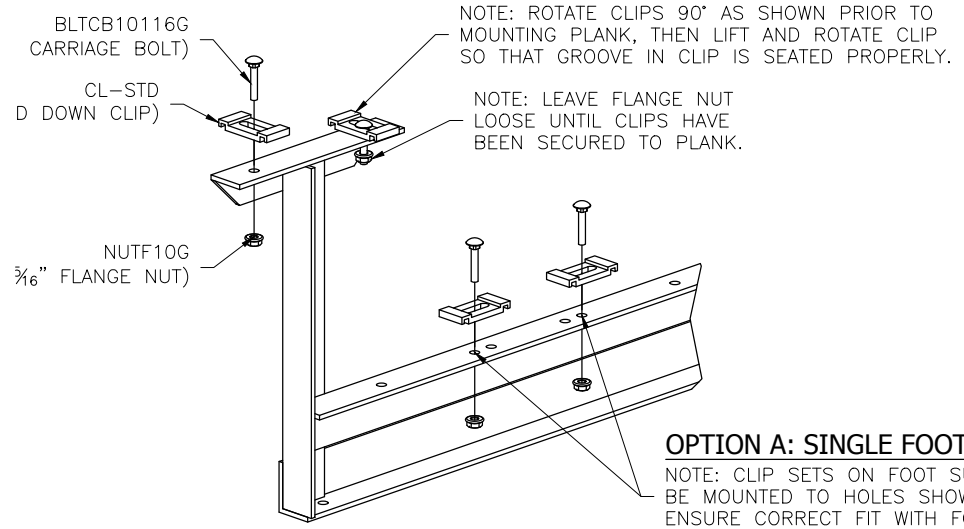
\*NOT ALL BLEACHERS WILL RECEIVE GROUND SILLS. IF YOUR UNIT DOES NOT INCLUDE THIS FEATURE, SKIP THIS STEP.



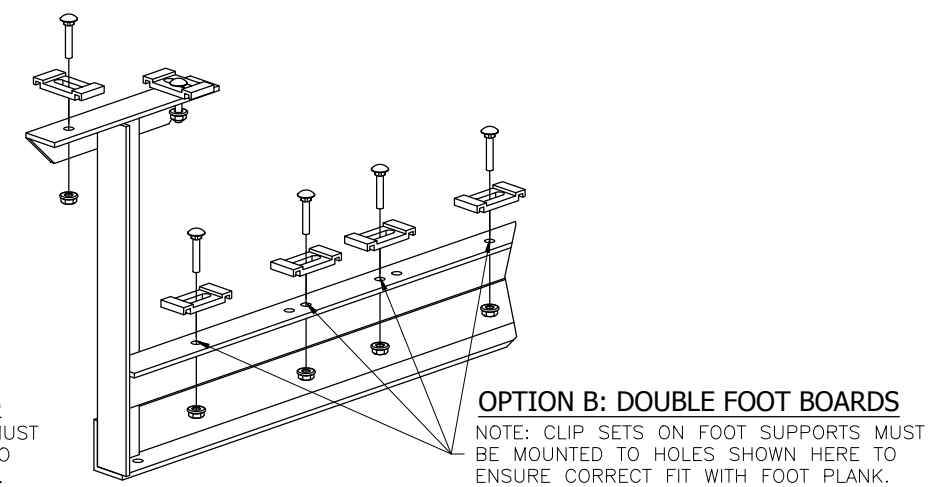
**PRE-ASSEMBLE X-BRACE PAIR(S)**



**ONCE FRAMING IS COMPLETE, PRE-ASSEMBLE CLIP SETS ON BLEACHER FRAMES**



**OPTION A: SINGLE FOOT BOARDS**  
NOTE: CLIP SETS ON FOOT SUPPORTS MUST BE MOUNTED TO HOLES SHOWN HERE TO ENSURE CORRECT FIT WITH FOOT PLANK.

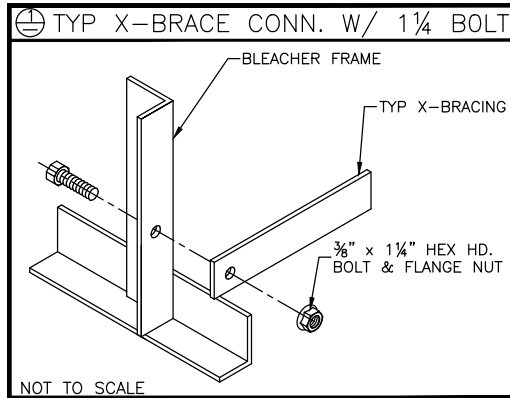


**OPTION B: DOUBLE FOOT BOARDS**  
NOTE: CLIP SETS ON FOOT SUPPORTS MUST BE MOUNTED TO HOLES SHOWN HERE TO ENSURE CORRECT FIT WITH FOOT PLANK.

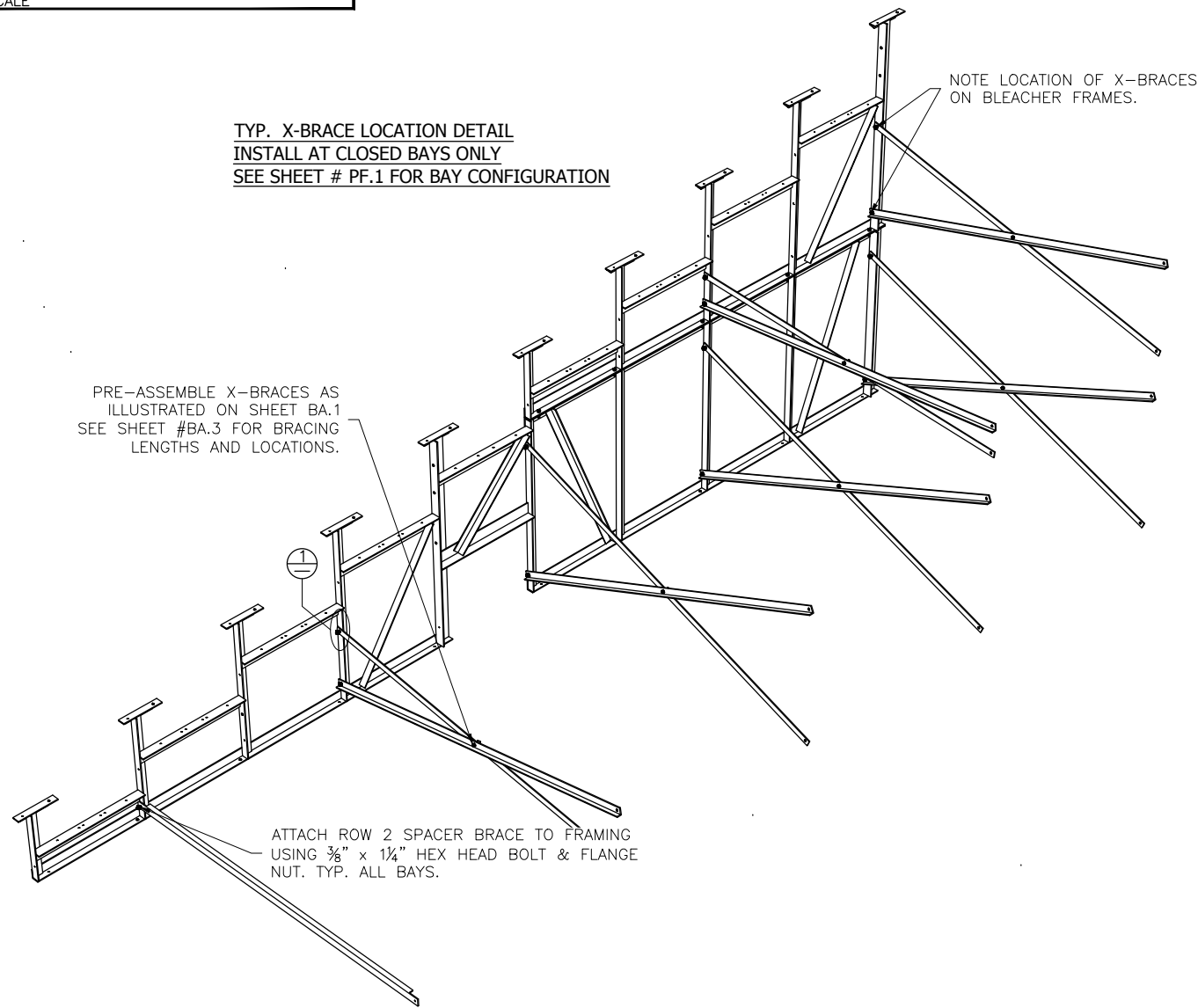
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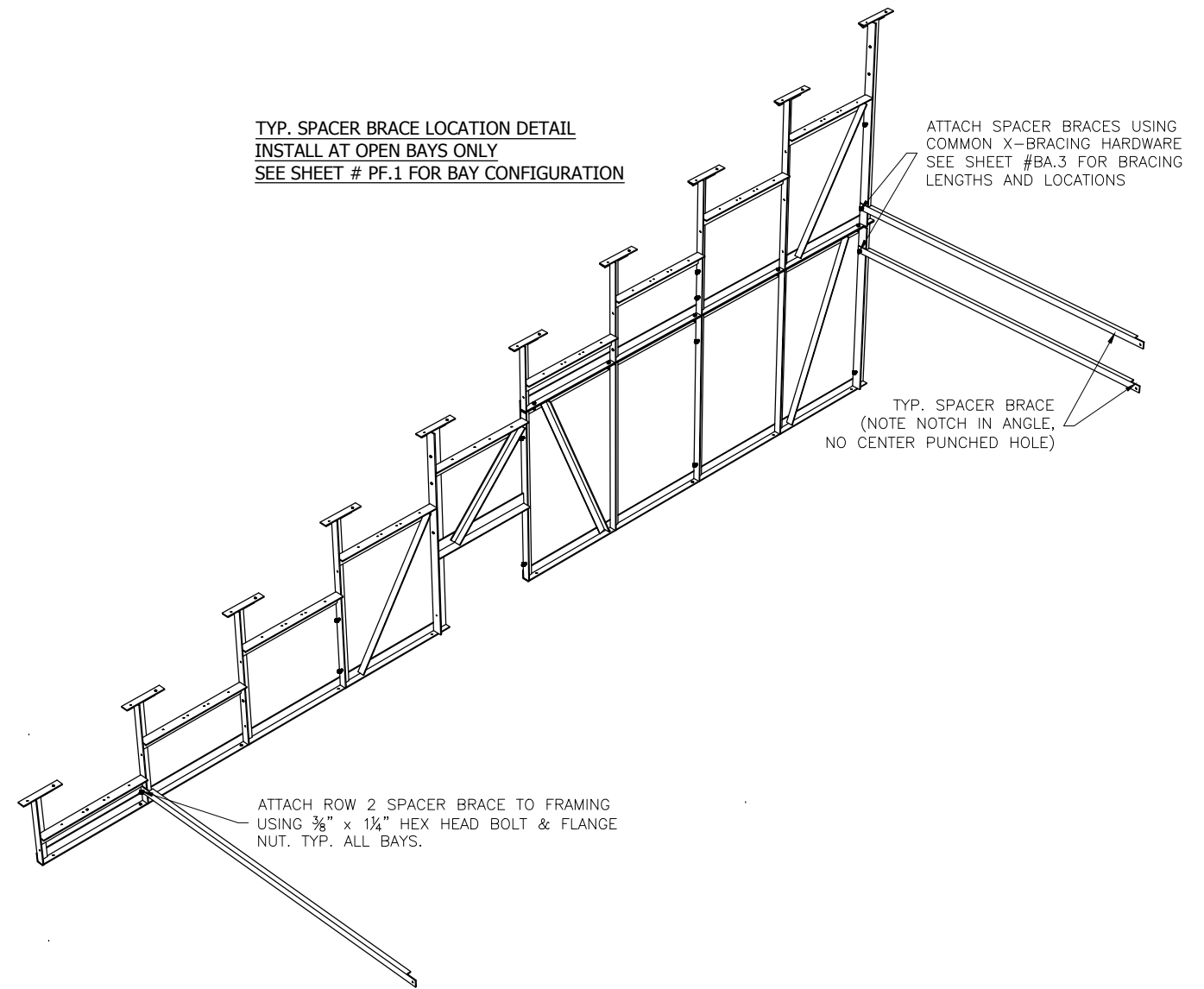
SCALE: N.T.S.	APPROVED BY:	DRAWN BY: JML
DATE: 4/27/17		
TITLE: 10 ROW X 24'-0" FRAMING & CLIP SET PREPARATION		
BLEACHER MODEL #: NA-1024DLX_CL	DRAWING NUMBER: BA.1	



**TYP. X-BRACE LOCATION DETAIL**  
 INSTALL AT CLOSED BAYS ONLY  
 SEE SHEET # PF.1 FOR BAY CONFIGURATION



**TYP. SPACER BRACE LOCATION DETAIL**  
 INSTALL AT OPEN BAYS ONLY  
 SEE SHEET # PF.1 FOR BAY CONFIGURATION



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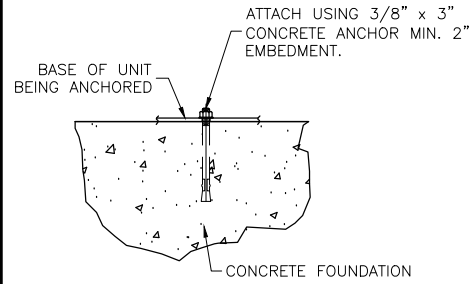
**National Recreation Systems, Inc.**

1300-D AIRPORT NORTH OFFICE PARK FORT WAYNE, IN 46825

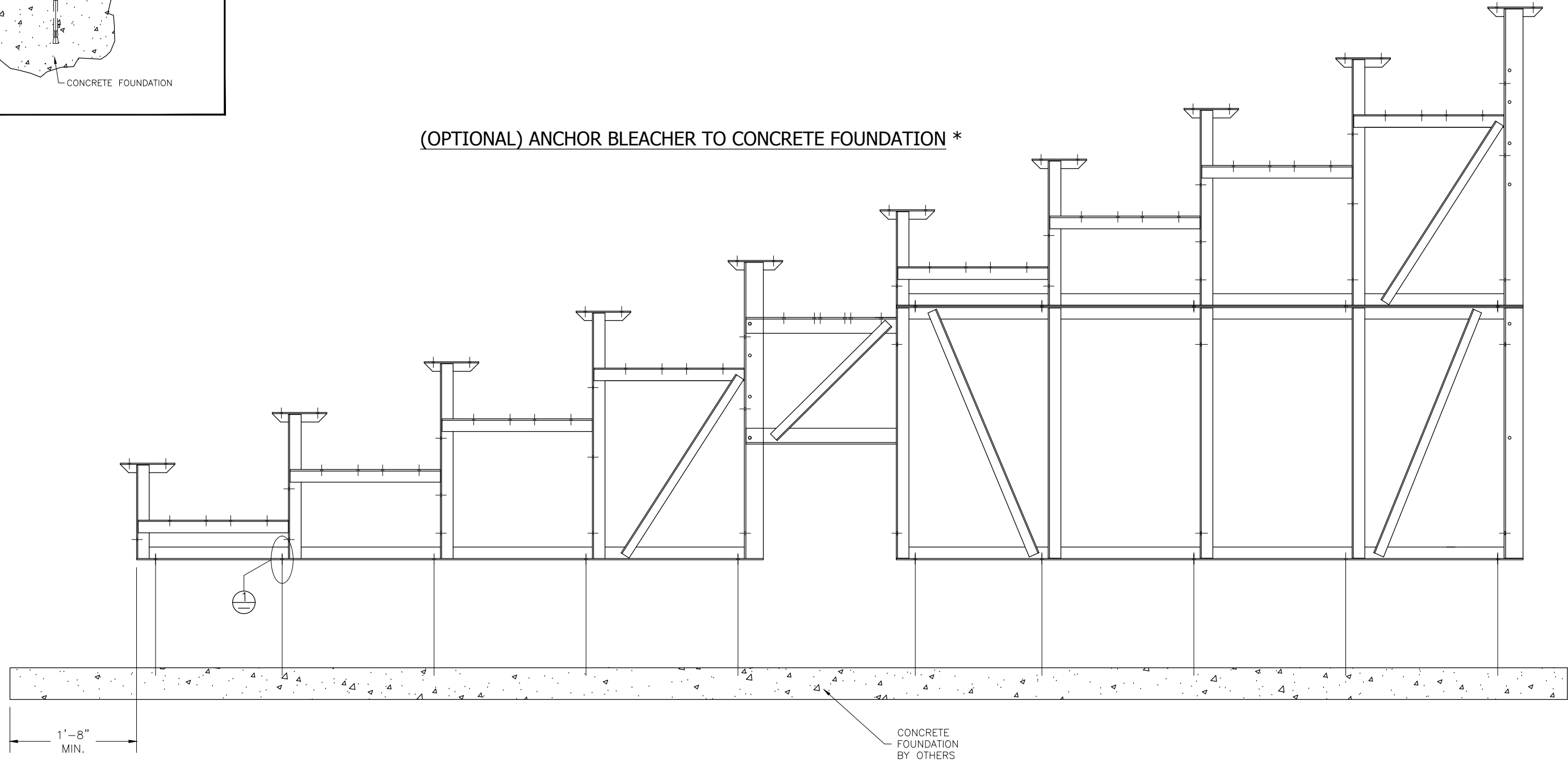
SCALE: N.T.S.	APPROVED BY:	DRAWN BY: JML
DATE: 4/27/17		
TITLE: 10 ROW X 24'-0" BLEACHER BRACING LOCATION		
BLEACHER MODEL #: NA-1024DLX_CL	DRAWING NUMBER: BA.2	



⊕ WEDGE ANCHOR DETAIL - 3"



(OPTIONAL) ANCHOR BLEACHER TO CONCRETE FOUNDATION \*



\* CONCRETE WEDGE ANCHORS NOT INCLUDED WITH ALL UNITS. IF USING OTHER ANCHORING SYSTEM, SKIP THIS STEP AND REFER TO INSTRUCTIONS SPECIFIC TO THE ANCHORING SYSTEM PURCHASED FOR YOUR UNIT. SEE PRINT FP.1 (INCLUDED IN THIS PACKET) FOR GENERAL CONCRETE FOUNDATION SPECIFICATIONS.

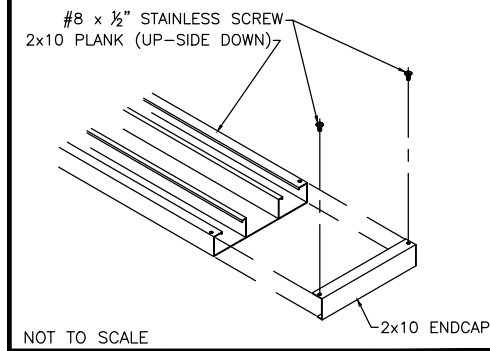
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**National Recreation Systems, Inc.**

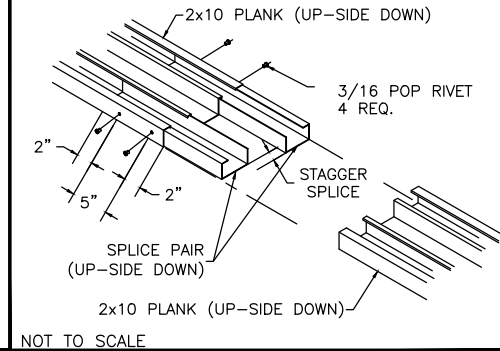
1300-D AIRPORT NORTH OFFICE PARK FORT WAYNE, IN 46825

SCALE: N.T.S.	APPROVED BY:	DRAWN BY: JML
DATE: 4/27/17		
TITLE: 10 ROW X 24'-0" ANCHORING PLAN		
BLEACHER MODEL #: NA-1024DLX_CL	DRAWING NUMBER: AP.1	

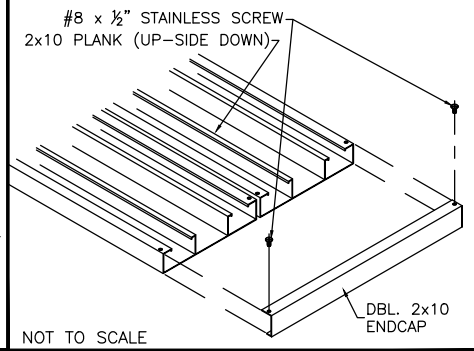
⊕ TYP 2x10 ENDCAP ATTACHMENT



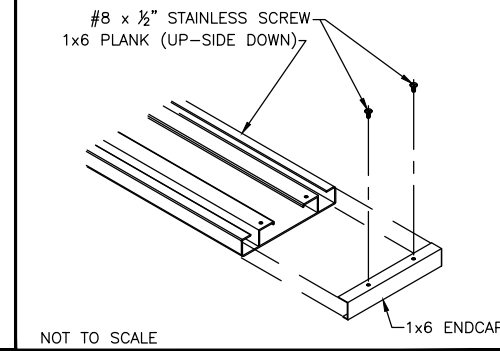
⊕ TYP 2x10 SPLICE CONN.



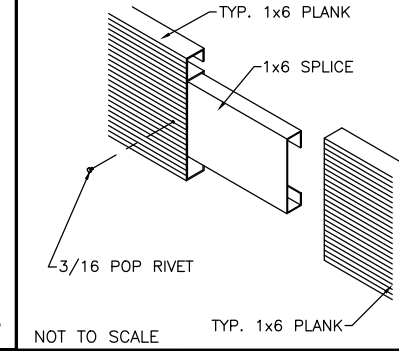
⊕ DBL. 2x10 ENDCAP ATTACHMENT



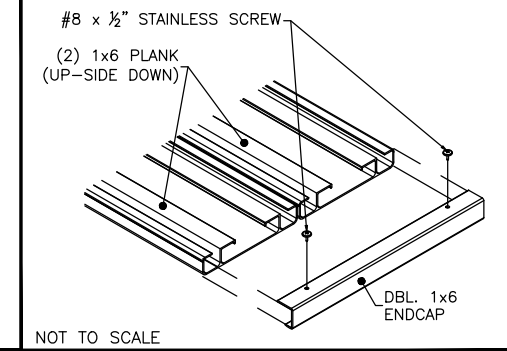
⊕ TYP 1x6 ENDCAP ATTACHMENT



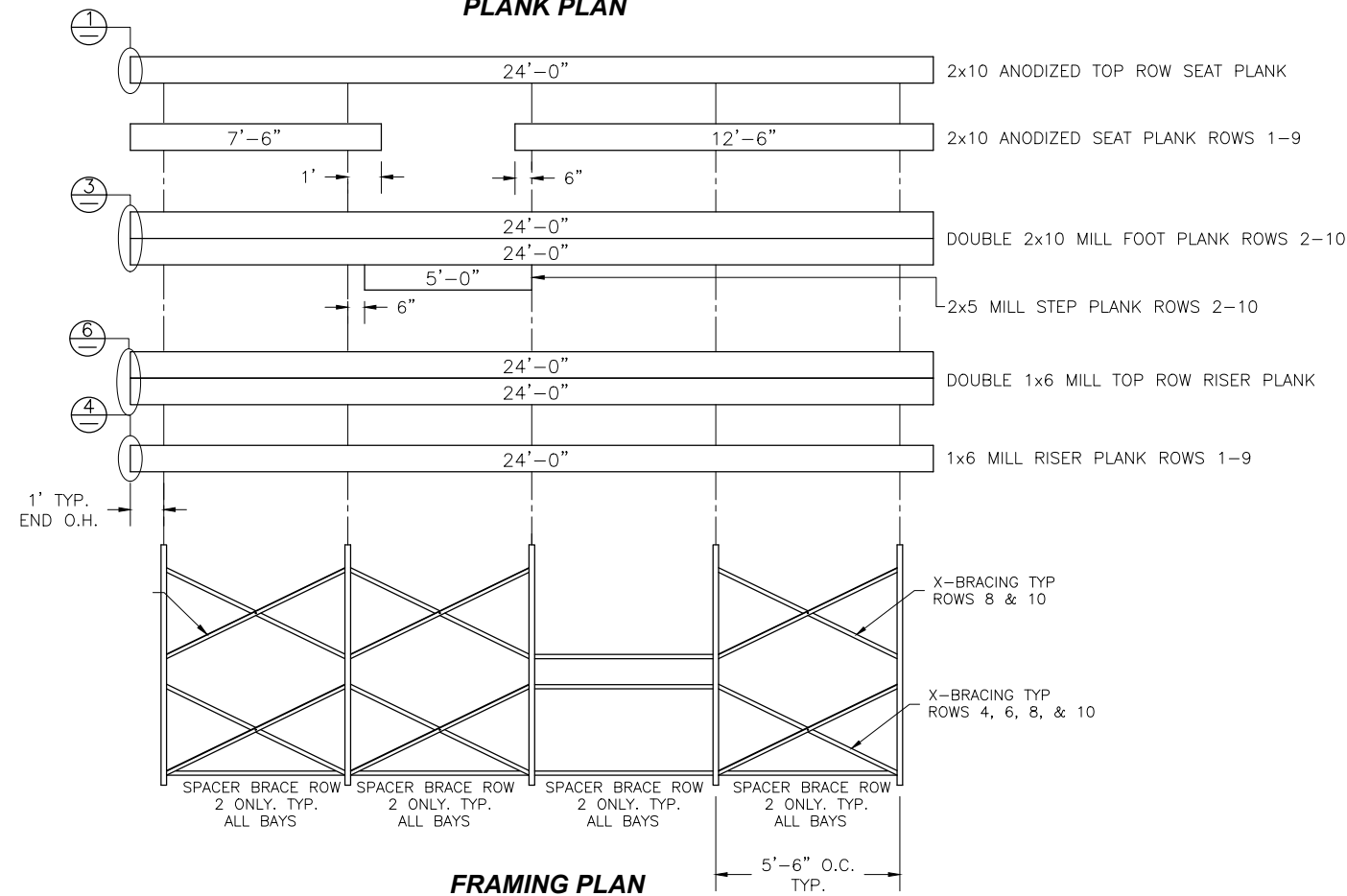
⊕ TYP 1x6 SPLICE CONN.



⊕ DBL. 1x6 ENDCAP ATTACHMENT



**PLANK PLAN**



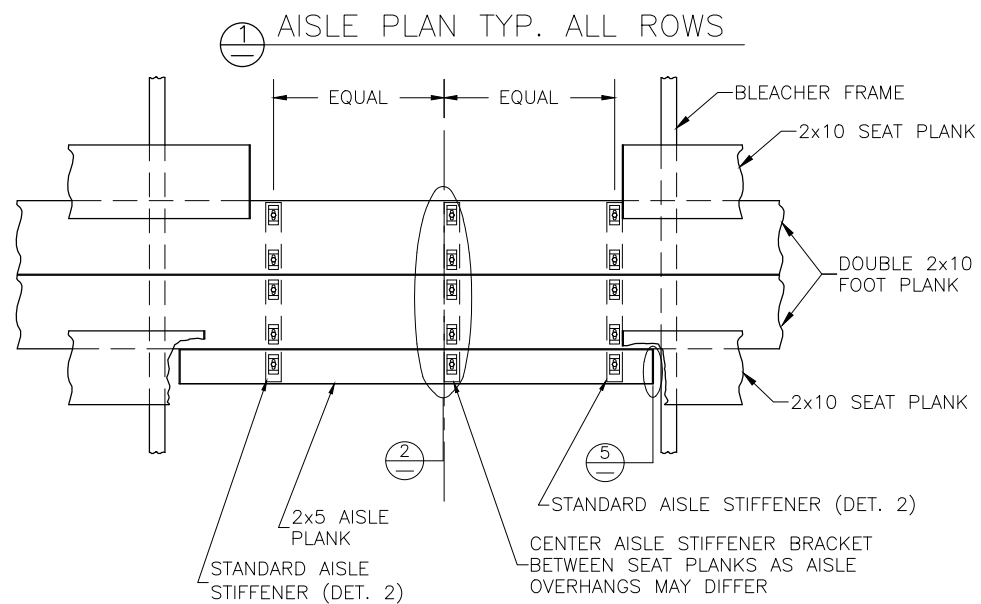
**FRAMING PLAN**

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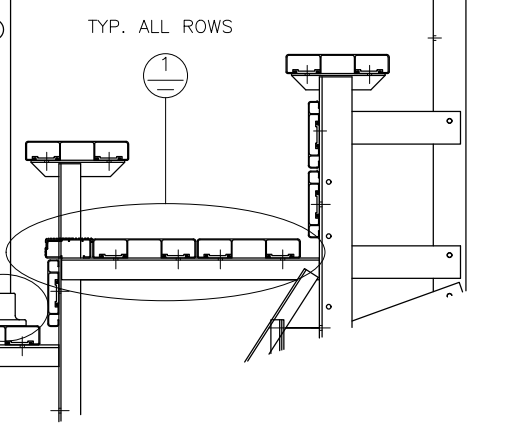
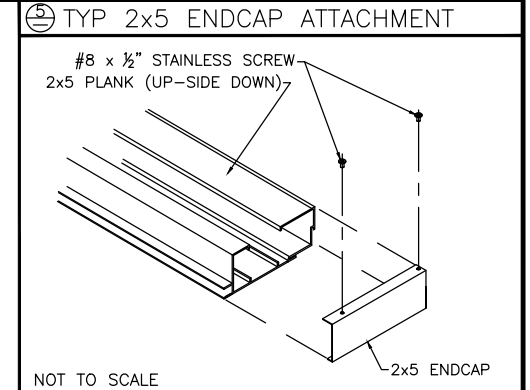
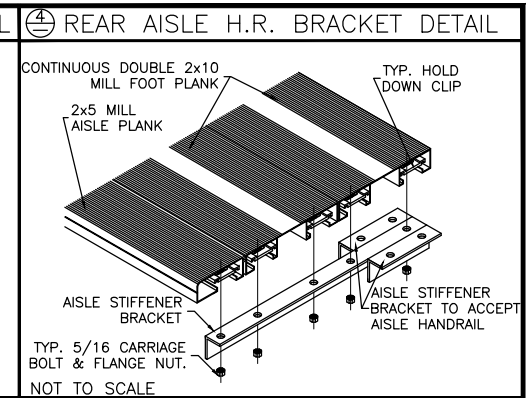
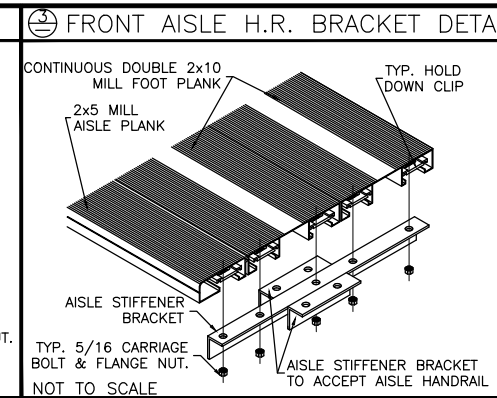
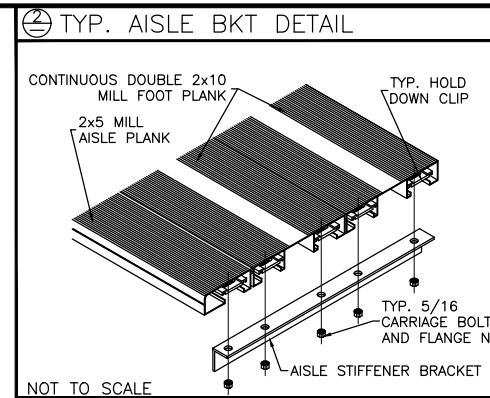
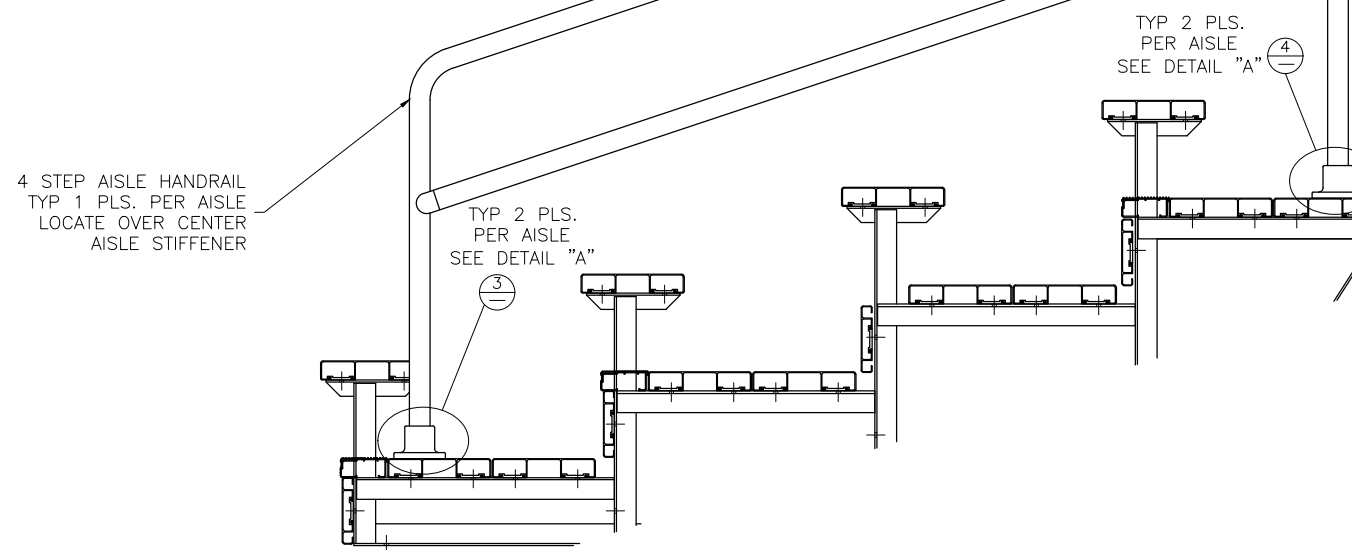
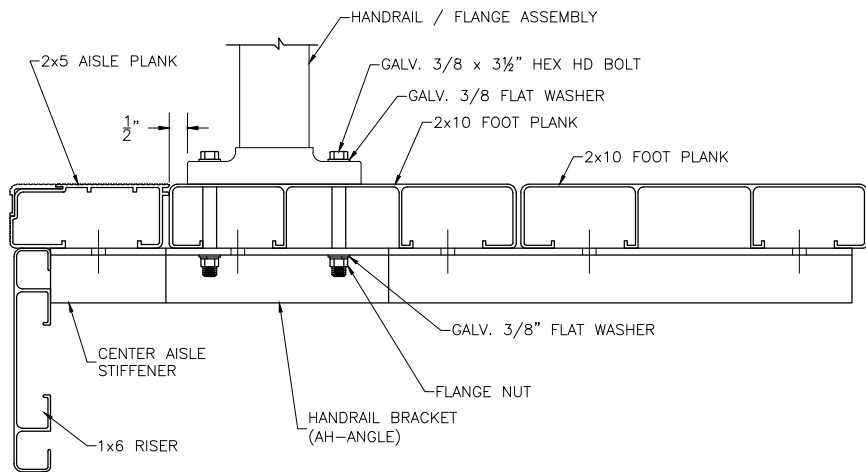
SCALE: N.T.S.	APPROVED BY:	DRAWN BY: JML
DATE: 4/27/17		
TITLE: 10 ROW 24'-0" PLANK & FRAMING PLAN		
BLEACHER MODEL #: NA-1024DLX_CL	DRAWING NUMBER: PF.1	





**DETAIL A**

FRONT HANDRAIL ASSEMBLY SHOWN  
LOCATE OVER REAR FOOT PLANK FOR REAR ASSEMBLY



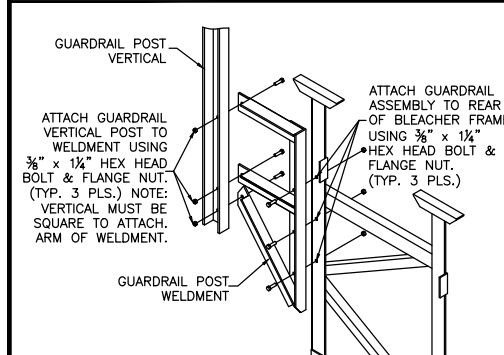
ALIGN EDGE OF FLANGE APPROX. 1/2" FROM THE LEADING EDGE OF THE FRONTMOST CONTINUOUS 2x10 FOOT PLANK (NOT THE 2x5 AISLE STEP PLANK). SLIGHTLY ADJUST FLANGE LOCATION, IF NECESSARY, SO THAT THE BOLT HOLE IS NOT DRILLED INTO A VERTICAL LEG OF THE PLANK. DRILL Ø7/16" HOLES (FOR 3/8" BOLT). ASSEMBLE AS SHOWN USING GALV. STEEL BOLTS, FLAT WASHERS & FLANGE NUTS.

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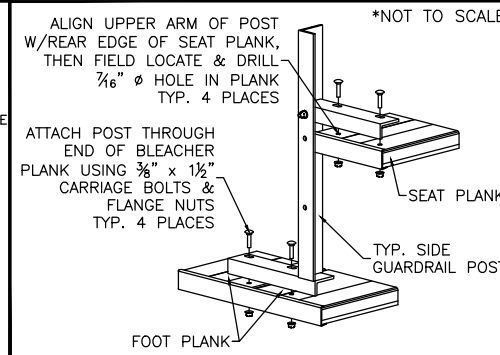
**National Recreation Systems, Inc.**  
1300-D AIRPORT NORTH OFFICE PARK FORT WAYNE, IN 46825

SCALE: N.T.S.	APPROVED BY:	DRAWN BY: JML
DATE: 4/27/17		
TITLE: 10 ROW VERTICAL AISLE ASSEMBLY		
BLEACHER MODEL #: NA-1024DLX_CL	DRAWING NUMBER: VA.1	

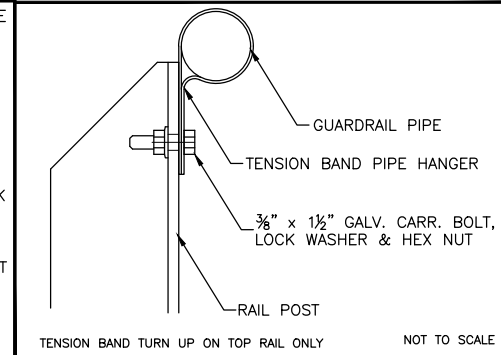
1 REAR GUARDRAIL POST ATTACH.



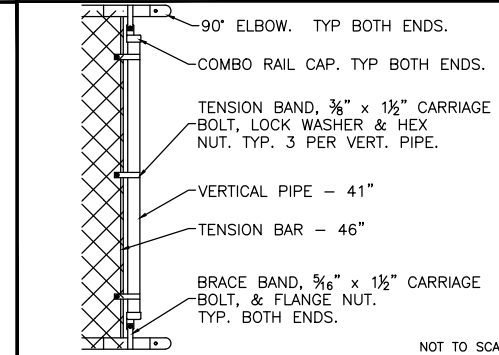
2 SIDE GD. RAIL POST INSTALLATION



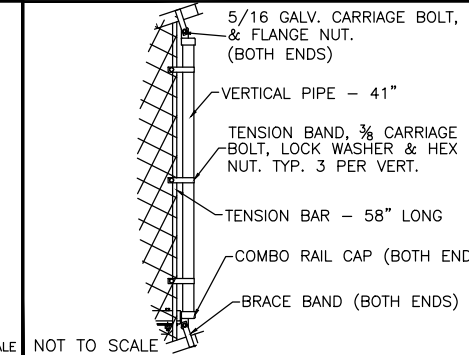
3 TENSION BAND ATTACHMENT



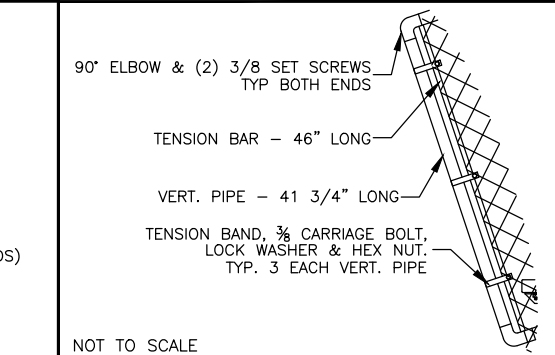
4 VERT. PIPE DETAIL-REAR, TOP



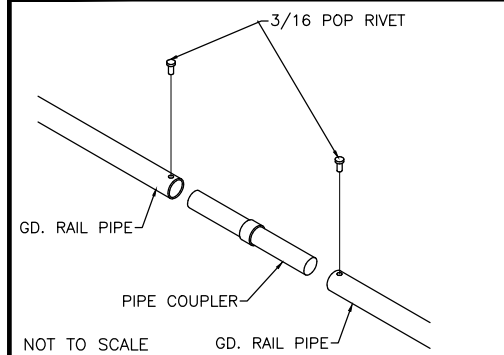
5 VERT. PIPE DETAIL (SIDE, TOP)



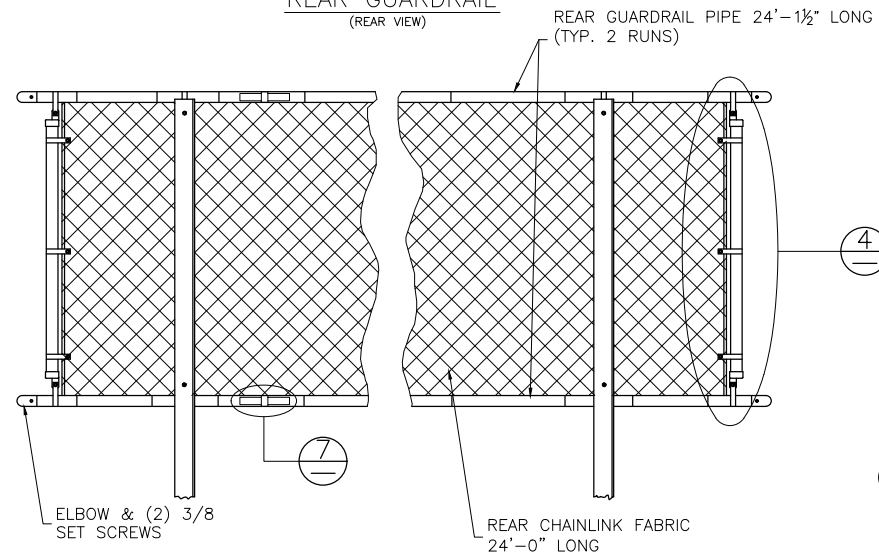
6 VERT. PIPE DETAIL (NE-SIDE, BOT.)



7 PIPE COUPLER INSTALLATION



REAR GUARDRAIL (REAR VIEW)



3 TYP. TENSION BAND

5 A ELBOW & (2) 3/8 SET SCREWS

SIDE GUARDRAIL PIPE - 16'-10"

WIRE TIE - (1) EVERY 12"

SIDE CHAINLINK FABRIC - 16'-6"

2 SIDE GUARDRAIL POST

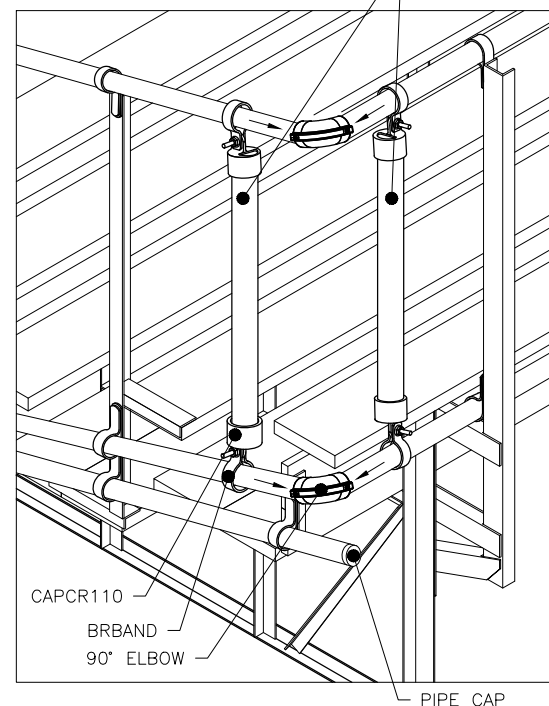
1 REAR GUARDRAIL POST

ELBOW & (2) 3/8 SET SCREWS

PIPE CAP

SIDE GUARDRAIL PIPE 15'-7" LONG

BRING VERTICAL MEMBERS TOGETHER TO CLOSE GAP TO LESS THAN 4"



DETAIL "A" - REAR CORNER GUARDRAIL ASSEMBLY

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1300-D AIRPORT NORTH OFFICE PARK FORT WAYNE, IN 46825		
SCALE: N.T.S.	APPROVED BY:	DRAWN BY: JML
DATE: 4/27/17		
TITLE: 10 ROW X 24'-0" GUARD RAIL ASSEMBLY		
BLEACHER MODEL #: NA-1024DLX_CL	DRAWING NUMBER: GR.1	