

PRESS BOX DESIGN CRITERIA

OVERALL SCOPE:
 PROVIDE NEW MFE PRESS BOX AND PRESS BOX UNDERSTRUCTURE AS DESIGNED BY NATIONAL RECREATION SYSTEMS, INC.

APPLICABLE CODES:
 INTERNATIONAL BUILDING CODE (IBC)-2015 EDITION / ICC-300-2017 EDITION

DESIGN LOADS:

LIVE LOADS:
 UNIFORM LOADING - STRUCTURE = 100 PSF
 UNIFORM LOADING - SEAT PLANKS = 120 PLF

SWAY LOADS:
 PERPENDICULAR TO SEATS = 10 POUNDS PER LINEAL FOOT
 PARALLEL TO SEATS = 24 POUNDS PER LINEAL FOOT

WIND LOADS:
 BASIC DESIGN WIND SPEED = UP TO 153 MPH (EXPOSURE "C")

RAIL LOADS:
 UNIFORM LOAD = 50 POUNDS PER LINEAL FOOT IN ANY DIRECTION
 CONCENTRATED LOAD = 200 LBS. IN ANY DIRECTION

* NOTE: ALL BLEACHERS MUST BE ANCHORED TO MEET WIND LOADS SPECIFIED ABOVE

GENERAL REQUIREMENTS:

- A. THE SITE ON WHICH THE BLEACHER IS TO BE PLACED SHALL CONSIST OF A MINIMUM SOIL BEARING OF 2,000 PSF.
- B. THE SITE SHALL BE CLEAR OF ALL OBSTACLES (IE. LIGHT POLES, UTILITIES, OR OTHER OBSTRUCTIONS), UNLESS SPECIAL CONSTRUCTION IS SPECIFICALLY STATED IN THE BID OR QUOTE.
- C. THE SURFACE MAY BE SLOPED A MAXIMUM OF 1/8 INCH PER FOOT FOR DRAINAGE. THE MAXIMUM OVERALL OUT OF LEVEL SLOPE PERPENDICULAR TO THE SEATS (FRONT TO REAR) SHALL NOT EXCEED 2" AND PARALLEL TO THE SEATS (END TO END) SHALL NOT EXCEED 4". VARIATIONS IN FLATNESS SHALL NOT EXCEED 5/16" BELOW A 10-FOOT STRAIGHTEDGE. BLEACHERS SHALL BE ANCHORED TO RESIST OVERTURNING FROM WIND FORCES, AND TO BE IN COMPLIANCE WITH LOCAL CODES.

SEISMIC LOADS:
 RISK CATEGORY = III
 SEISMIC IMPORTANCE FACTOR = 1.25
 SDS = 0.107
 SEISMIC DESIGN CATEGORY = B

ALUMINUM NOTES:

- 1. ALUMINUM WELDING SHALL CONFORM TO AWS D-1.2 STRUCTURAL WELDING CODE - ALUMINUM WITH FIBER ALLOY 4043 FOR FILLET WELDS FOR BUILDING TYPE STRUCTURES.
- 2. PLANKS SHALL BE EXTRUDED ALUMINUM ALLOY 6063-T6.
- 3. EXTRUDED ALUMINUM STRUCTURAL SHAPES SHALL BE 6061-T6.
- 4. WHERE CLEAR ANODIZED FINISH IS INDICATED, FINISH SHALL BE 204R1.
- 5. AS SPECIFIED AND ILLUSTRATED, ALL ALUMINUM FOOTBOARDS, WALKING SURFACES, AND RISERS ARE MILL FINISH. MILL FINISH ALUMINUM, WHEN EXPOSED TO THE ATMOSPHERE, FORMS A TRANSPARENT, PROTECTIVE OXIDE COATING. MILL FINISH ALUMINUM WILL STAIN WHEN MOISTURE IS TRAPPED AGAINST IT. THIS MOISTURE ENTRAPMENT CAN OCCUR AT SEVERAL STAGES OF MATERIAL DELIVERY INCLUDING PACKAGING, SHIPPING AND STORAGE. THESE STAINS CAN BE ERRATIC AND VARY IN COLOR FROM LIGHT BRONZE TO BLACK TO CHALKY WHITE. MOISTURE STRAINS HAVE NO EFFECT ON THE STRENGTH OF THE MATERIAL. THESE STAINS BECOME LESS NOTICEABLE DURING NORMAL USAGE AND EXPOSURE TO THE SUN'S RADIATION. AN UPGRADE TO ANODIZED FOOT PLANK AND ANODIZED RISER PLANK WILL ELIMINATE THIS ISSUE.

SALMEN HIGH SCHOOL - SLIDELL, LA 70458

SO-27460 & SO-27462 & SO-27463

8'X48' PRESS BOX STEEL UNDERSTRUCTURE FOUNDATION

DRAWING SHEET INDEX

CS.1	COVER SHEET
TD.1	PLAN VIEW
PU.1	PRESS BOX UNDERSTRUCTURE
FP.1	FOUNDATION PLAN

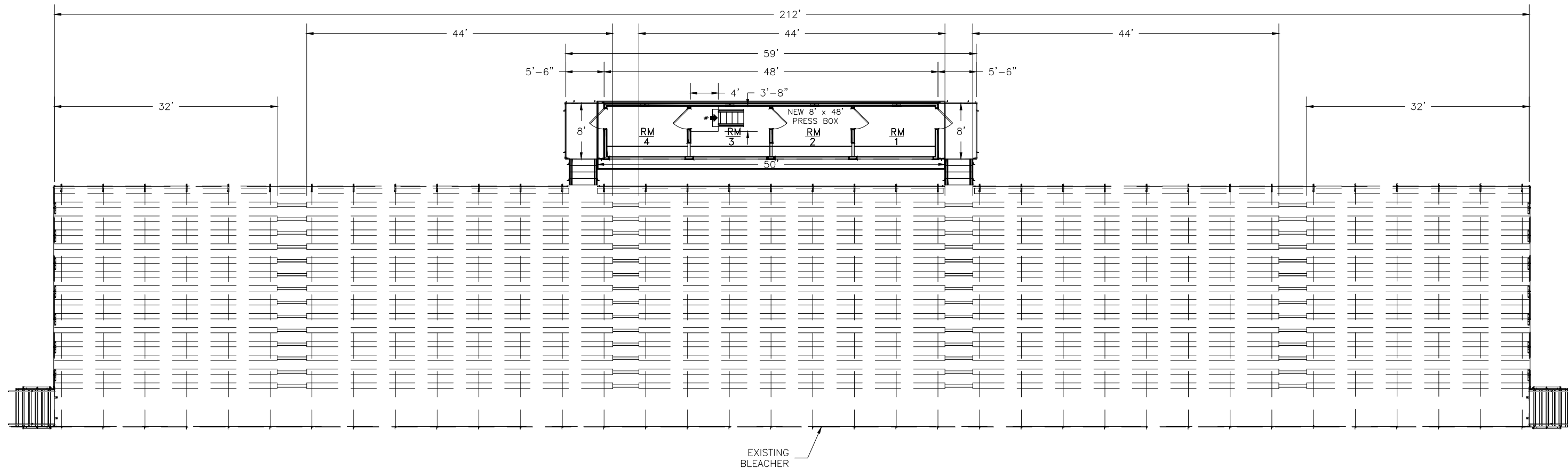
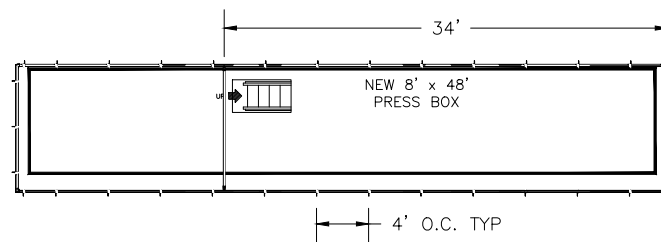


NRS
 National Recreation Systems
A PLAYCORE Company

1300-D AIRPORT NORTH OFFICE PARK FORT WAYNE, IN 46825
 PH: 888-568-9064 FAX: 260-482-7449 WWW.BLEACHERS.NET

This drawing and all information contained herein is the property of NATIONAL RECREATION SYSTEMS, INC. and is not to be reproduced without the express written permission of this manufacturer. We assume no responsibility for unauthorized use of this drawing. NATIONAL RECREATION SYSTEMS, INC. is not responsible for local permits and occupancy requirements.

PROJECT/SITE: PB848 ADD 27462 SEALS				
DESCRIPTION: PRESS BOX UNDERSTRUCTURE COVER SHEET				
DRAWN BY: JCM	DATE: 6/29/23	REVISION: -	SCALE: N.T.S.	SHEET NUMBER: TD.1

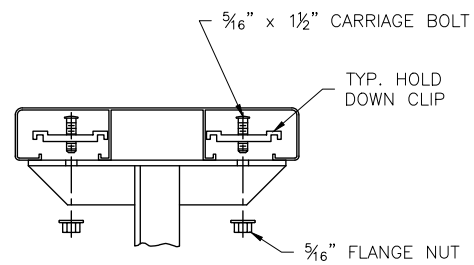


1300-D AIRPORT NORTH OFFICE PARK FORT WAYNE, IN 46825
 PH: 888-568-9064 FAX: 260-482-7449 WWW.BLEACHERS.NET

This drawing and all information contained herein is the property of NATIONAL RECREATION SYSTEMS, INC. and is not to be reproduced without the express written permission of this manufacturer. We assume no responsibility for unauthorized use of this drawing. NATIONAL RECREATION SYSTEMS, INC. is not responsible for local permits and occupancy requirements.

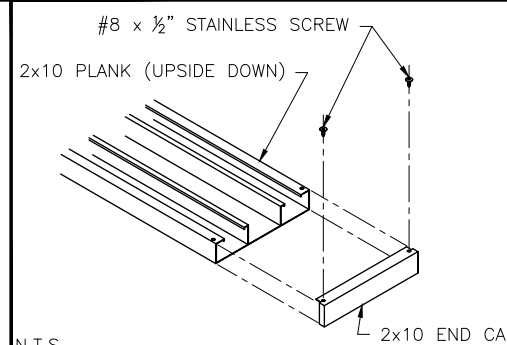
PROJECT/SITE: PB848 ADD 27462 SEALS				
DESCRIPTION: 8' X 48' PRESS BOX SITE PLAN				
DRAWN BY: JCM	DATE: 6/29/23	REVISION: -	SCALE: N.T.S.	SHEET NUMBER: TD.1

① TYP. 2x10 PLANK ATTACHMENT



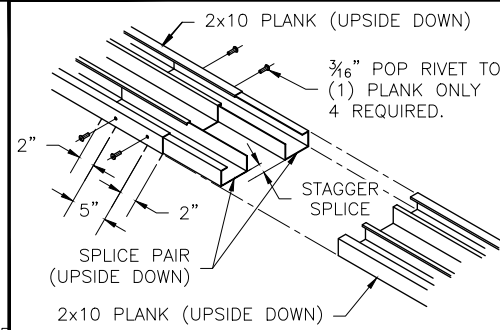
N.T.S.

② TYP. 2x10 END CAP ATTACHMENT



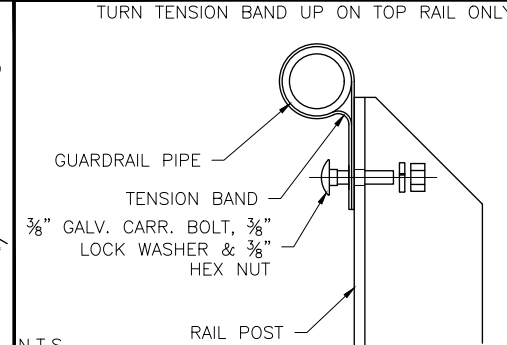
N.T.S.

③ TYP. 2x10 SPLICE CONN.



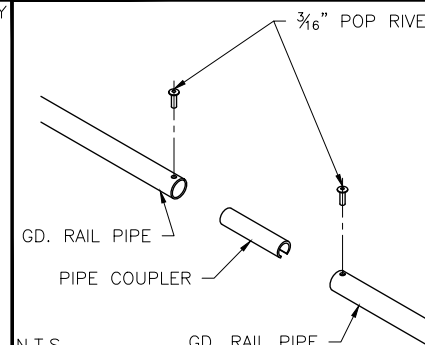
N.T.S.

④ TENSION BAND ATTACHMENT

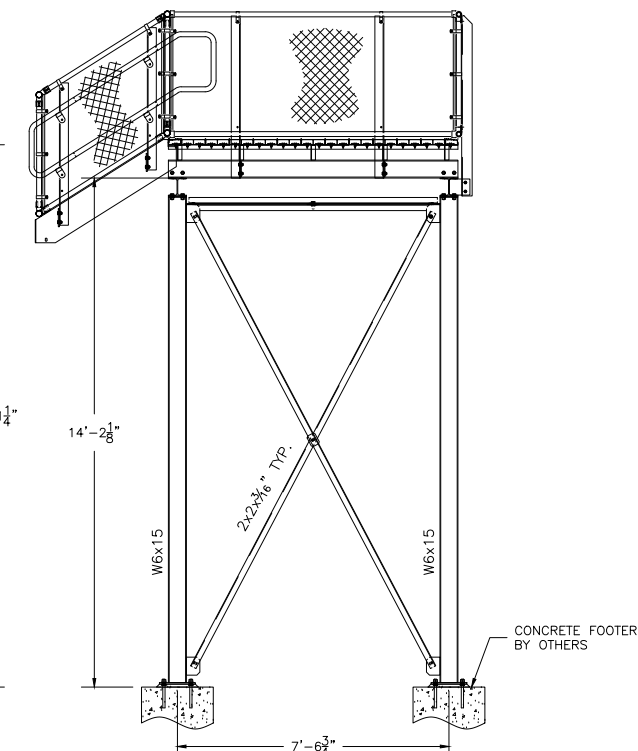
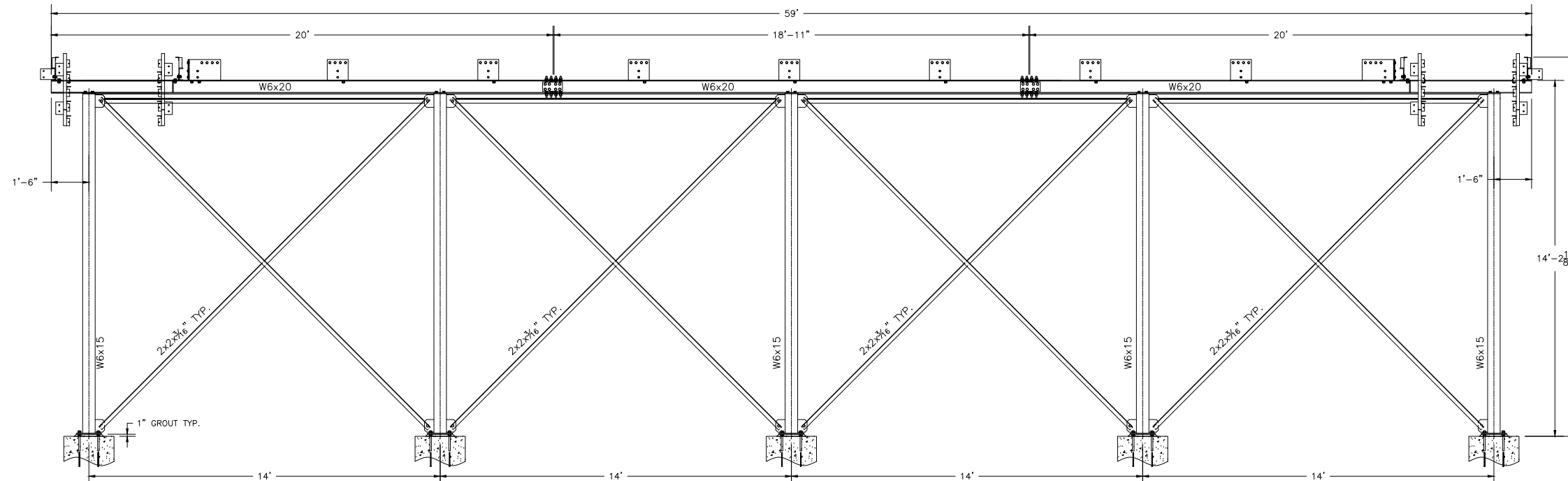
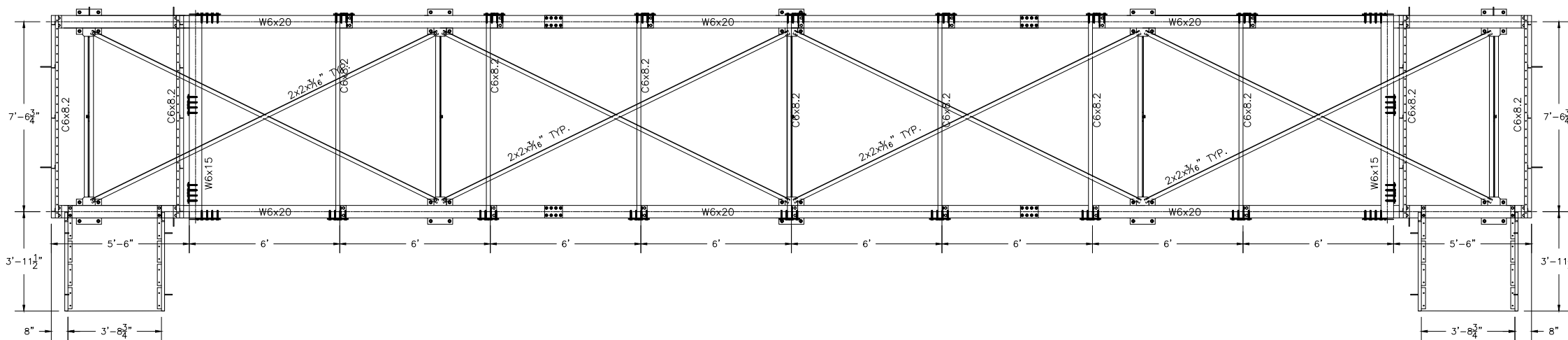


N.T.S.

⑤ PIPE COUPLER INSTALLATION



N.T.S.



1300-D AIRPORT NORTH OFFICE PARK FORT WAYNE, IN 46825
PH: 888-568-9064 FAX: 260-482-7449 WWW.BLEACHERS.NET

This drawing and all information contained herein is the property of NATIONAL RECREATION SYSTEMS, INC. and is not to be reproduced without the express written permission of this manufacturer. We assume no responsibility for unauthorized use of this drawing. NATIONAL RECREATION SYSTEMS, INC. is not responsible for local permits and occupancy requirements.

PROJECT/SITE: PB848 ADD 27462 SEALS

DESCRIPTION: PRESS BOX UNDERSTRUCTURE

DRAWN BY: JCM

DATE: 6/29/23

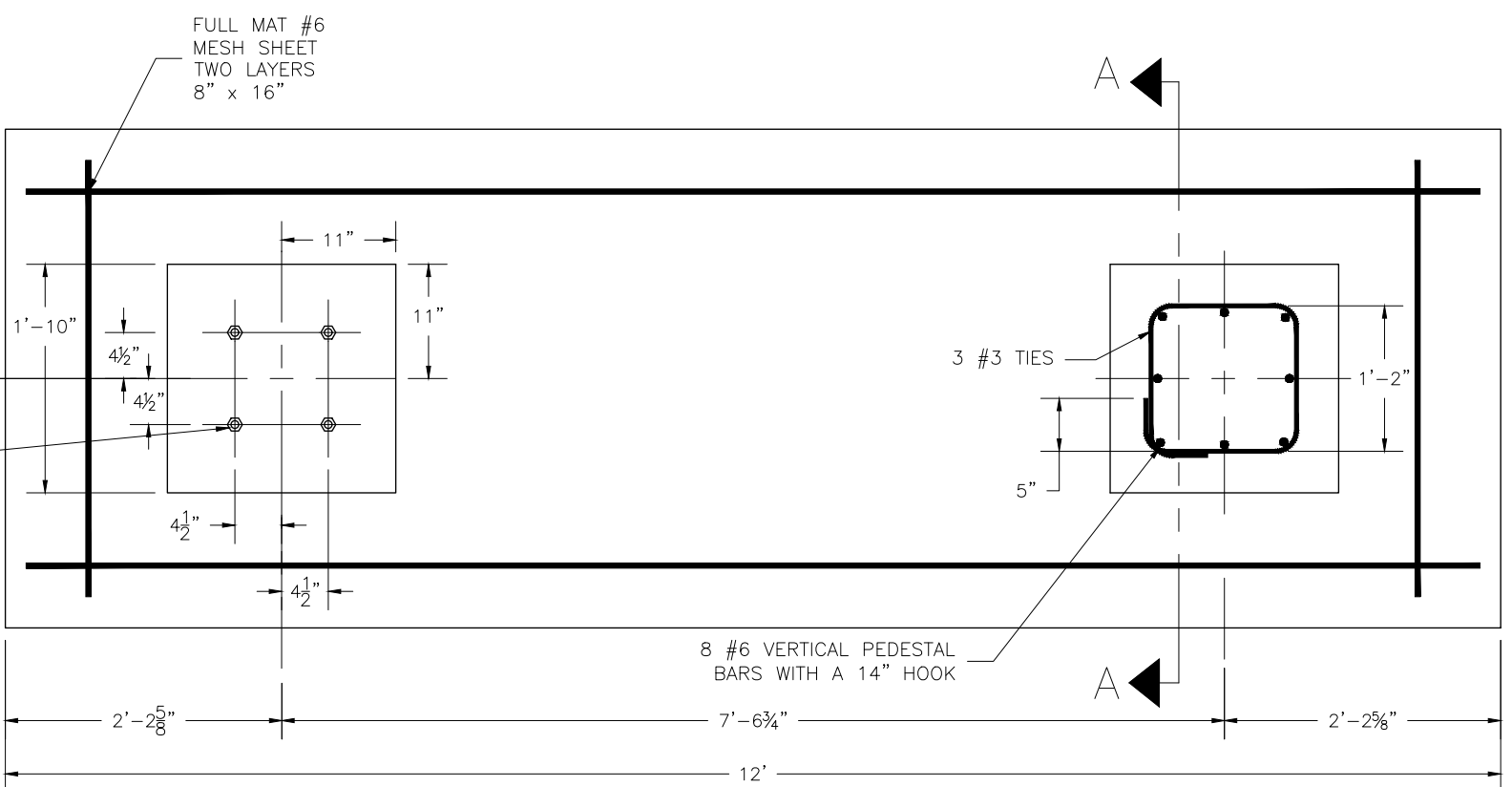
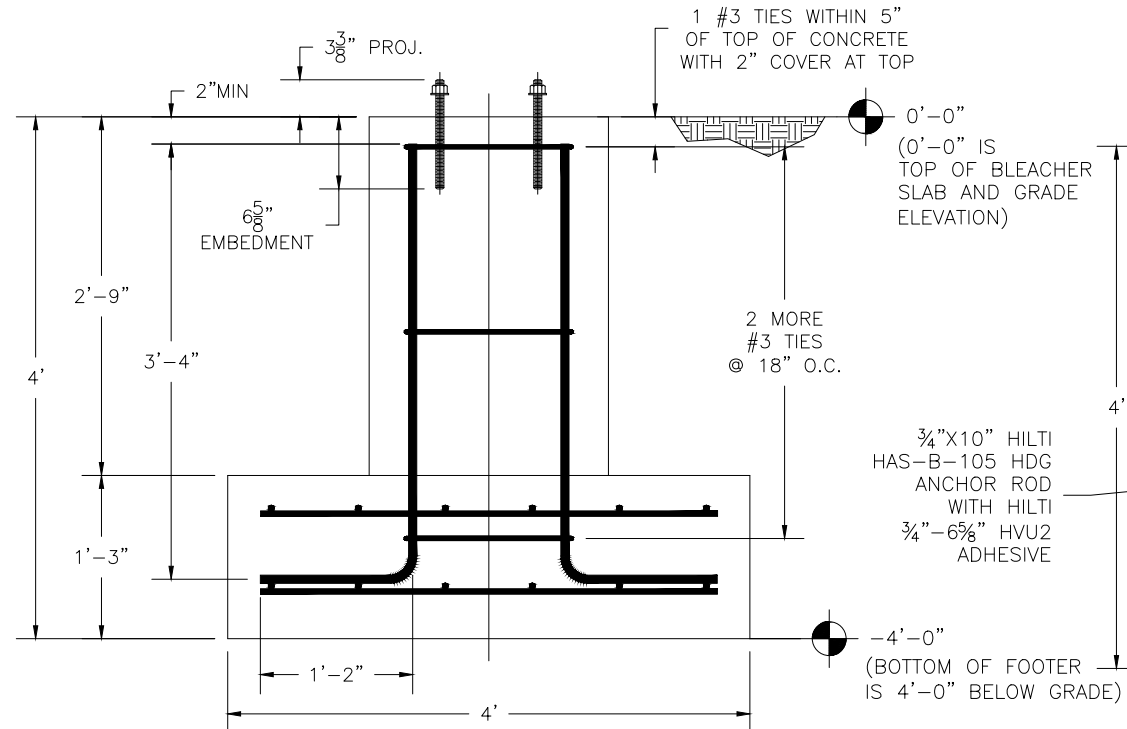
REVISION: —

SCALE: N.T.S.

SHEET NUMBER: PU.1

SECTION A-A

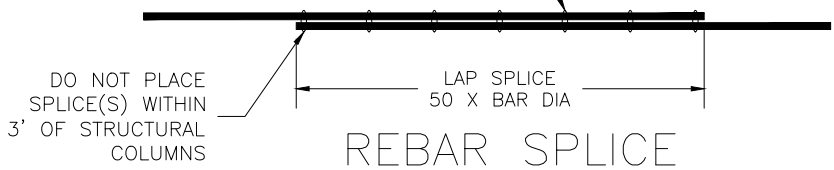
FOUNDATION DETAIL



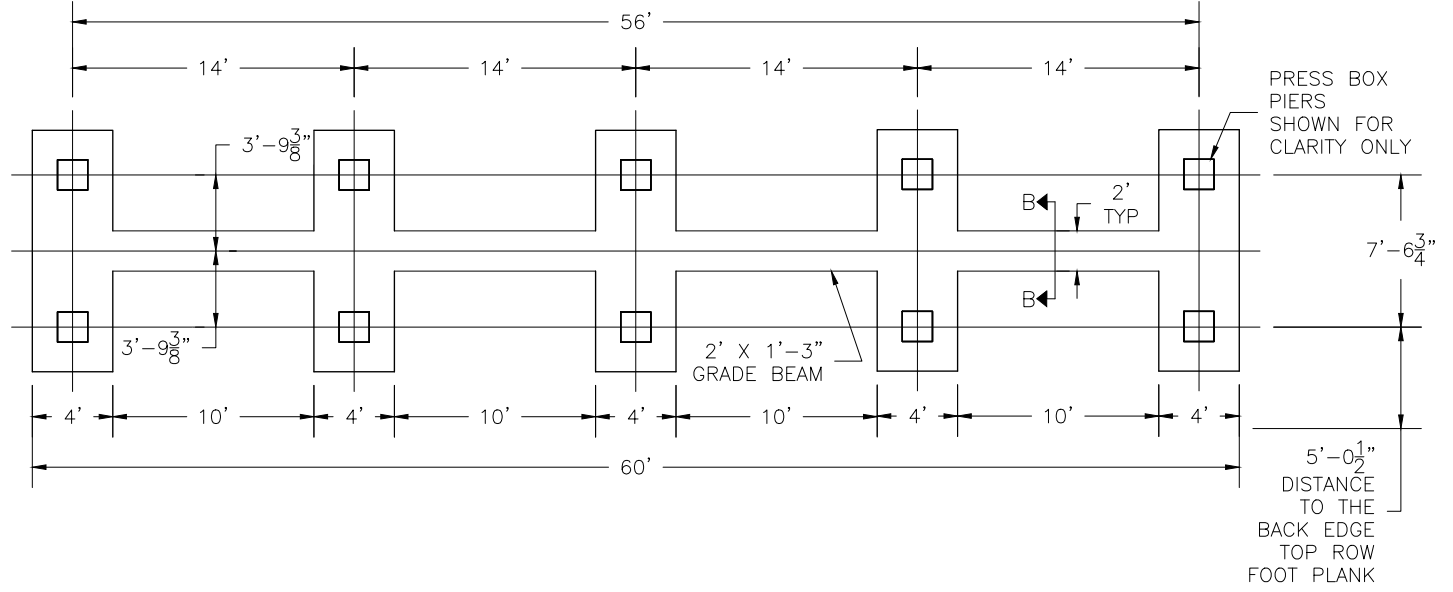
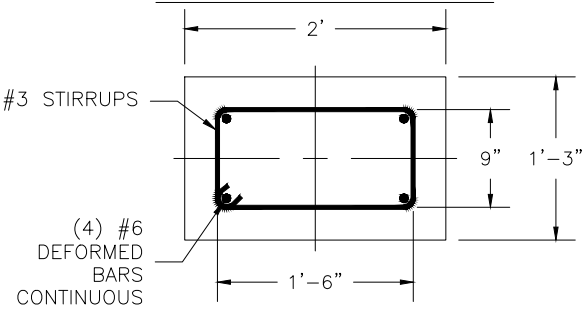
BENT BARS										
NO.	SIZE	TYPE	LENGTH	A	B	C	D	E	G	WEIGHT
80	#6	2	4'-6"	14	40					540
30	#3	T2	5'-6"	5	14	14	14	14	5	63
20	#3	T1	5'-2"	4	9	18	9	18	4	40

STRAIGHT BARS			
NO.	SIZE	LENGTH	WEIGHT
60	#4	11'-6"	523
90	#4	3'-6"	212
12	#6	58'-0"	350

TIE WIRE AROUND SPLICED MEMBERS AT 6" O.C. & WITHIN 3" OF END(S)



SECTION B-B



CONCRETE FOUNDATION SPECIFICATIONS

SCOPE:
Foundation construction is not part of NATIONAL RECREATION SYSTEMS, INC's., scope of work unless noted otherwise in the contract documents. The OWNER shall review the foundation design with local code authorities and coordinate with NRS, Inc.

FOUNDATION DESIGN & ANCHORS:
1) The foundation designs are based on the following:
a) Minimum presumed soil bearing of 2000 psf.

CONCRETE SPECIFICATIONS:
1) All concrete construction shall be in accordance with *ACI 318.14*.
2) All concrete shall be air-entrained using an air entraining admixturing meeting *ASTM C620*. Total air content: 5%-7% per *ASTM C173*.
3) All concrete shall have a minimum 28-day strength of $F_c=4000$ psi. Concrete shall have air-entrainment
4) A 1/4" bituminous expansion joint material shall be placed between strip and slab foundations when adjacent to each other.

NRS
National Recreation Systems
A PLAYCORE Company
1300-D AIRPORT NORTH OFFICE PARK FORT WAYNE, IN 46825
PH: 888-568-9064 FAX: 260-482-7449 WWW.BLEACHERS.NET

This drawing and all information contained herein is the property of NATIONAL RECREATION SYSTEMS, INC. and is not to be reproduced without the express written permission of this manufacturer. We assume no responsibility for unauthorized use of this drawing. NATIONAL RECREATION SYSTEMS, INC. is not responsible for local permits and occupancy requirements.

PROJECT/SITE: PB848 ADD 27462 SEALS				
DESCRIPTION: FOUNDATION PLAN				
DRAWN BY: JCM	DATE: 6/29/23	REVISION: 1	SCALE: N.T.S.	SHEET NUMBER: FP.1