BS-0321

NON ELEVATED 3 ROW x 21'-0" BLEACHER

DRAWING REFERENCE NUMBER: NB-0321ASTD						
DRAWING SHEET INDEX						
1.CS	COVER SHEET					
2.TD	SEATING PLAN					
3.FP	FOUNDATION PLAN					
4.BA BLEACHER ASSEMBLY PREP						
5.BA	BLEACHER ASSEMBLY					
6.AP	ANCHORING PLAN					
7.PF	PLANK AND FRAMING PLAN					

RECOMMENDED TOOLS							
SOCKET WRENCH	POP RIVET GUN	CORDLESS DRILL					
½" DEEP WELL SOCKET	LEVEL	¾6" DRILL BIT					
%6" DEEP WELL SOCKET	RUBBER MALLET	¾6" DRILL BIT					
TAPE MEASURE	GLOVES	SAFETY GLASSES					

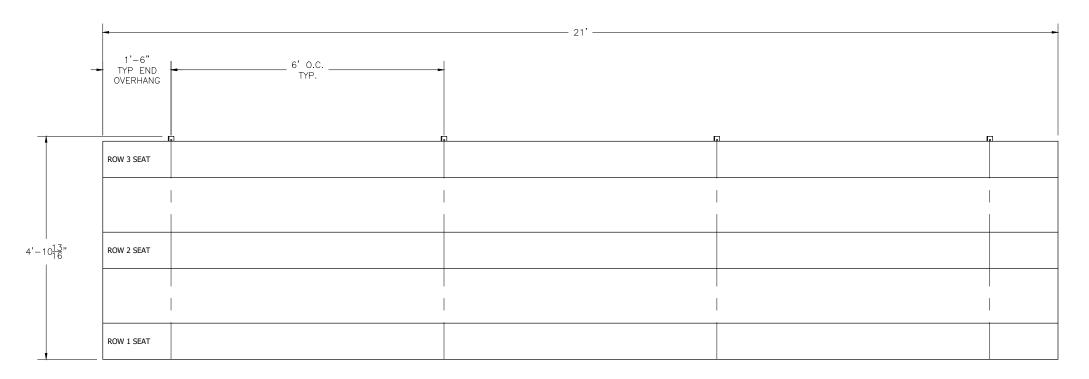


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n		D3-C	1321									
ıg.	DESCRIPTION:	NON-	-ELEV.	. 3	ROW	x 2	1'ASS	SEMBLY	CO/	/ER	SHEET	
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BLEACHER TOP VIEW



 SECTION GROSS ACTUAL NO. OF LENGTH SEATS SEATS ROWS SEATS

 21
 14.00
 14.00
 3
 42

 NET SEATS
 42

 WHEEL CHAIR SPACES
 0

 TOTAL NET SEATING CAPACITY
 42

 (BASED ON 18" PER SEAT)



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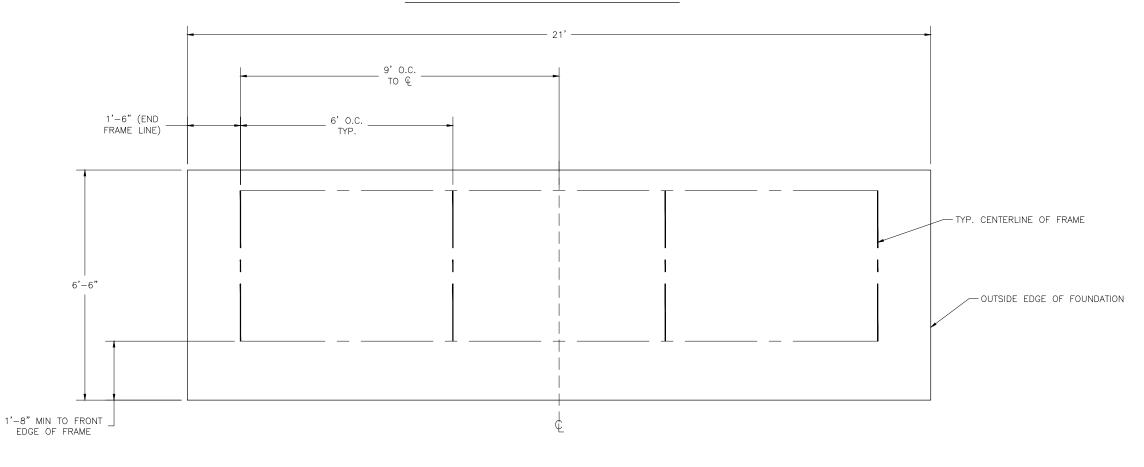
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LOCATE FRAMES ON FOUNDATION



CONCRETE FOUNDATION SPECIFICATIONS

SCOPE

Foundation construction is not part of BELSON OUTDOORS' scope of work unless noted otherwise in the contract documents. The OWNER shall review the foundation design with local code authorities and coordinate with BELSON OUTDOORS.

FOUNDATION DESIGN & ANCHORS:

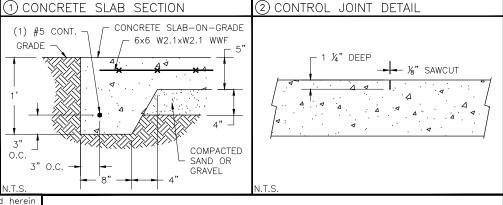
- 1) The foundation designs are based on the following:
 - a) Minimum presumed soil bearing of 2000 psf.
 - b) Bleacher frame dead and live load of 700 lbs./ft.
 - c) Bleacher frame wind uplift of 250 lbs./ft.
- 2) Unless otherwise specified on the drawings the bleacher frames shall be attached to concrete with a ½" dia. x 3¾" wedge type expansion anchor. The anchors shall be embedded a minimum of 2" into the concrete.

CONCRETE SPECIFICATIONS:

- 1) All concrete construction shall be in accordance with ACI 318.08.
- 2) All concrete shall be air-entrained using an air entraining admixtruing meeting ASTM C620. Total air content: 5%-7% per ASTM C173.
- 3) All concrete shall have a minimum 28-day strength of Fc=3000psi. Concrete shall have air-entrainment
- 4) A ¼" bituminous expansion joint material shall be placed between strip and slab foundations when adjacent to each other.
- 5) The depressions in the top of the foundations between high spots shall not exceed \(\frac{5}{6} \) below 10-foot long straightedge. The 10-foot straightedge method used to measure foundation flatness shall be in accordance with \(ACI \) 302.1R-04 "Guide for Concrete Floor and Slab \(Construction" \).

CONCRETE SLAB RECOMMENDED SPECIFICATIONS:

- 1) Concrete slab shall have a minimum thickness of 5" (some areas may require 6") and placed on 4" of compacted gravel or compacted sub base.
- 2) BELSON OUTDOORS recommends that the concrete slab be reinforced with 6x6-W2.1xW2.1 welded wire fabric at 1½" concrete cover from the top. In lieu of welded wire fabric, steel fiber substitution requires OWNER approval and his understanding of potential maintenance issues.
- 3) Contractor may substitute blended fiber reinforcing, provided the blend consists of multifilament polypropylene fibers and cold drawn steel wire fibers. Novamesh 950 or approved equivalent, applied at a dosage rate of 5lb/CY unless specified otherwise or a different recommendation is made by the manufacturer.
- 4) Crack control joints shall be sawed into slab to form approximate square patterns. The maximum spacing for control joints shall not exceed 13'-6", UNLESS INDICATED OTHERWISE. The bleacher frames shall not be set on control joints. The designer shall contact BELSON OUTDOORS to coordinate joint spacing requirements with the specific bleacher design.
- 5) The slab may be sloped a maximum of 1/8 inch per foot for drainage. The maximum overall out of level slope for the slab perpendicular to the seats (front to rear) shall not exceed 2" and parallel to the seats (end to end) shall not exceed 4".





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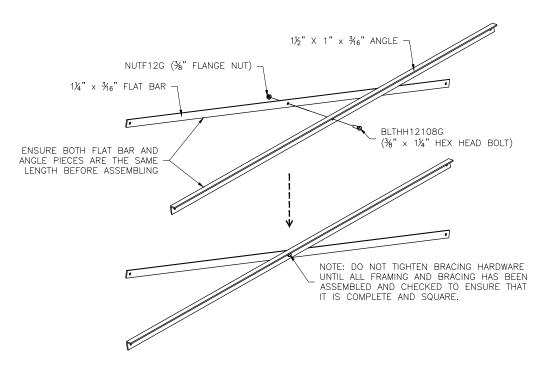
model: BS-0321

bescription: NON-ELEV. 3 ROW x 21' FOUNDATION PLAN

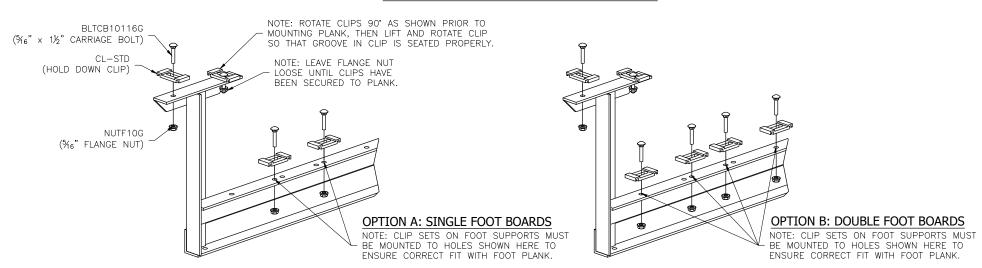
drawn by: IP date: 5/24/22 revision: A scale: N.T.S. sheet number: 3.FP

PRE-ASSEMBLE X-BRACE PAIR(S)

(OPTIONAL) ATTACH GROUND SILLS * *NOT ALL BLEACHERS WILL RECEIVE GROUND SILLS. IF YOUR UNIT DOES NOT INCOLUDE THIS FEATURE, SKIP THIS STEP. FA-03_06N SCRLAG12116G (%" x 1½" LAG SCREW) 4X PER FRAME GSL260407 (2x6x4'-7" TREATED LUMBER SILL)



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





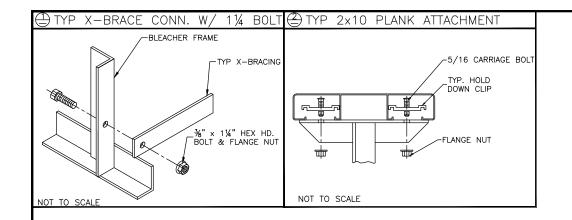
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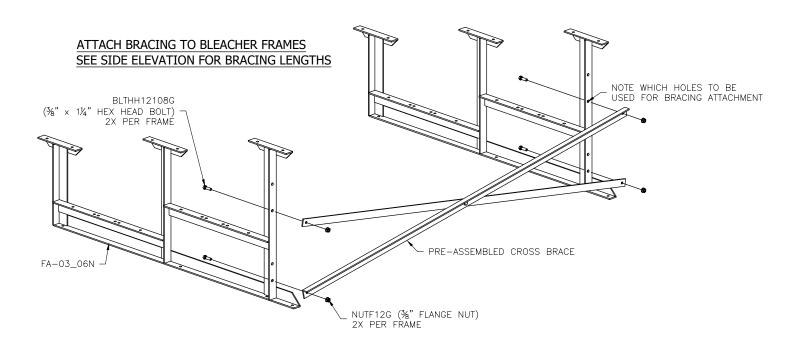
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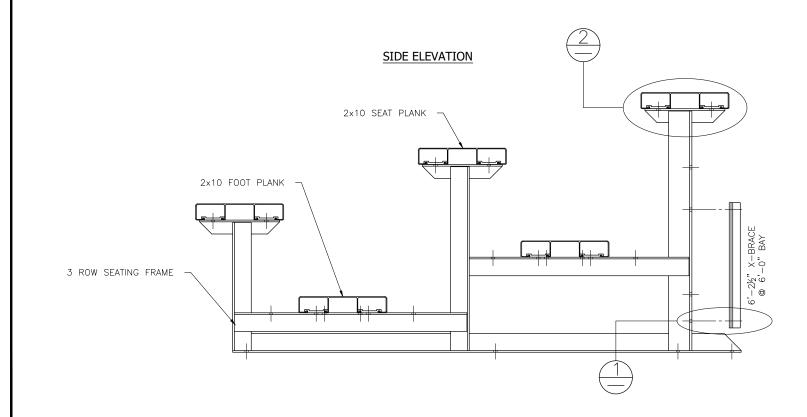
MODEL: BS-0321

DESCRIPTION: NON-ELEV. 3 ROW x 21' BLEACHER ASSEMBLY

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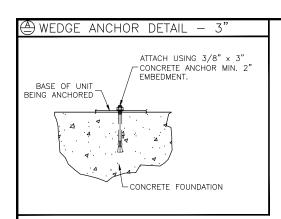




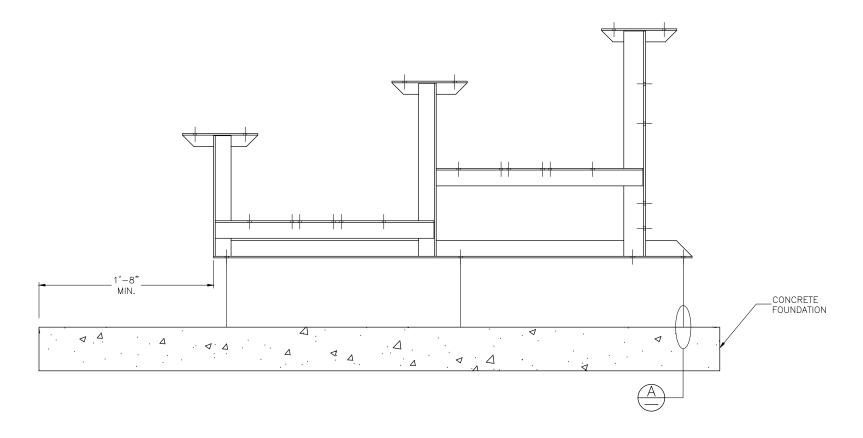


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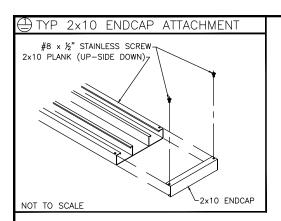
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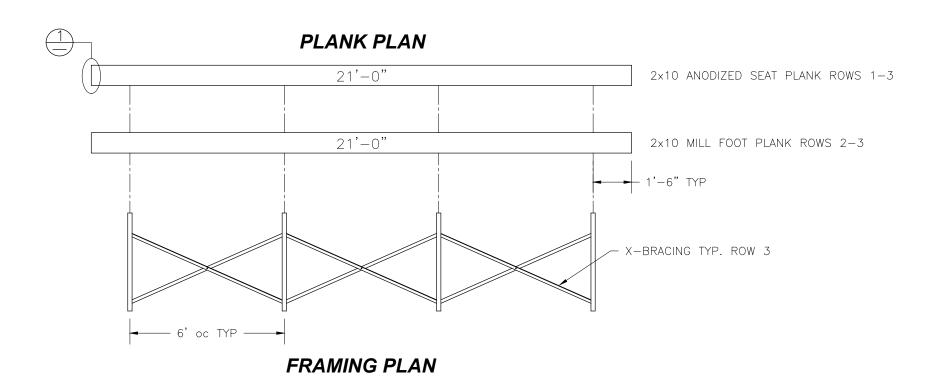


(OPTIONAL) ANCHOR BLEACHER TO CONCRETE FOUNDATION *











occupancy requirements.

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