



335bl625-2 Assembly Drawings

10 Row - Galvanized Steel Frame - Aluminum Bleachers - Non-Elevated - Chain-link Guardrail System - Deluxe Series - 21 Feet - Weight: 3079lbs - Seats 113

DRAWING SHEET INDEX

CS.1	COVER SHEET
TD.1	SEATING PLAN
FP.1	FOUNDATION PLAN
BA.1	BLEACHER PREP
BA.2	BRACING LOCATIONS
BA.3	ASSEMBLY SECTION VIEW
AP.1	ANCHORING PLAN
PF.1	PLANK & FRAMING PLAN
VA.1	VERTICAL AISLE ASSEMBLY
GR.1	GUARDRAIL ASSEMBLY

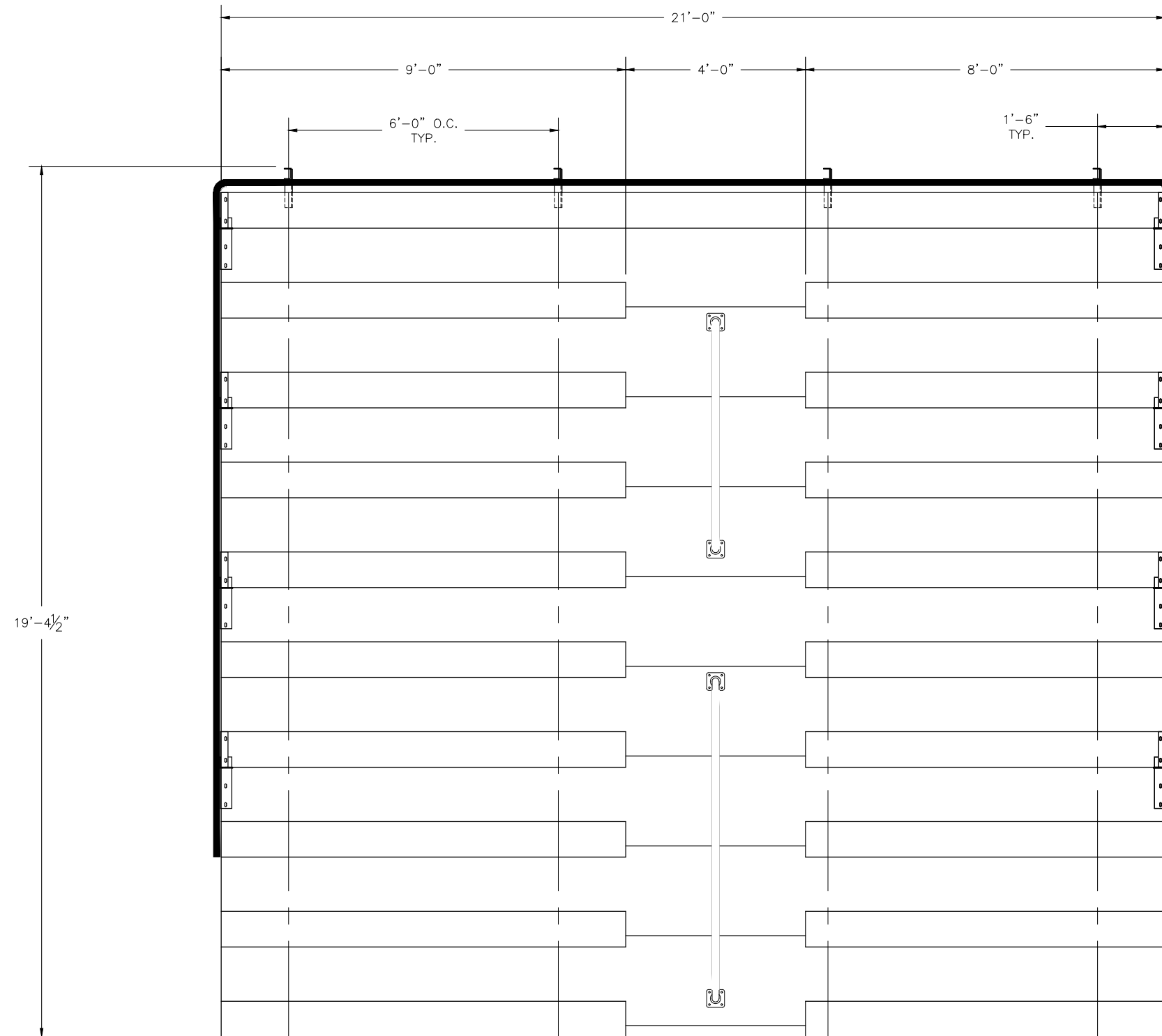
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MODEL NUMBER: 335bl625-2-DLX

DESCRIPTION: NON-ELEV. 10 ROW X 21'-0" ASSEMBLY PRINTS

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SECTION	GROSS LENGTH	ACTUAL SEATS	NO. OF SEATS	ROWS	NET SEATS
21	14.00	14.00	1	14	
9	6.00	6.00	9	54	
8	5.33	5.00	9	45	
NET SEATS					113
WHEELCHAIR SPACES					0
TOTAL NET SEATING CAPACITY					113
(BASED ON 18" PER SEAT)					

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MODEL NUMBER: 335bl625-2-DLX

DESCRIPTION: NON-ELEV. 10 ROW X 21'-0" SEATING PLAN

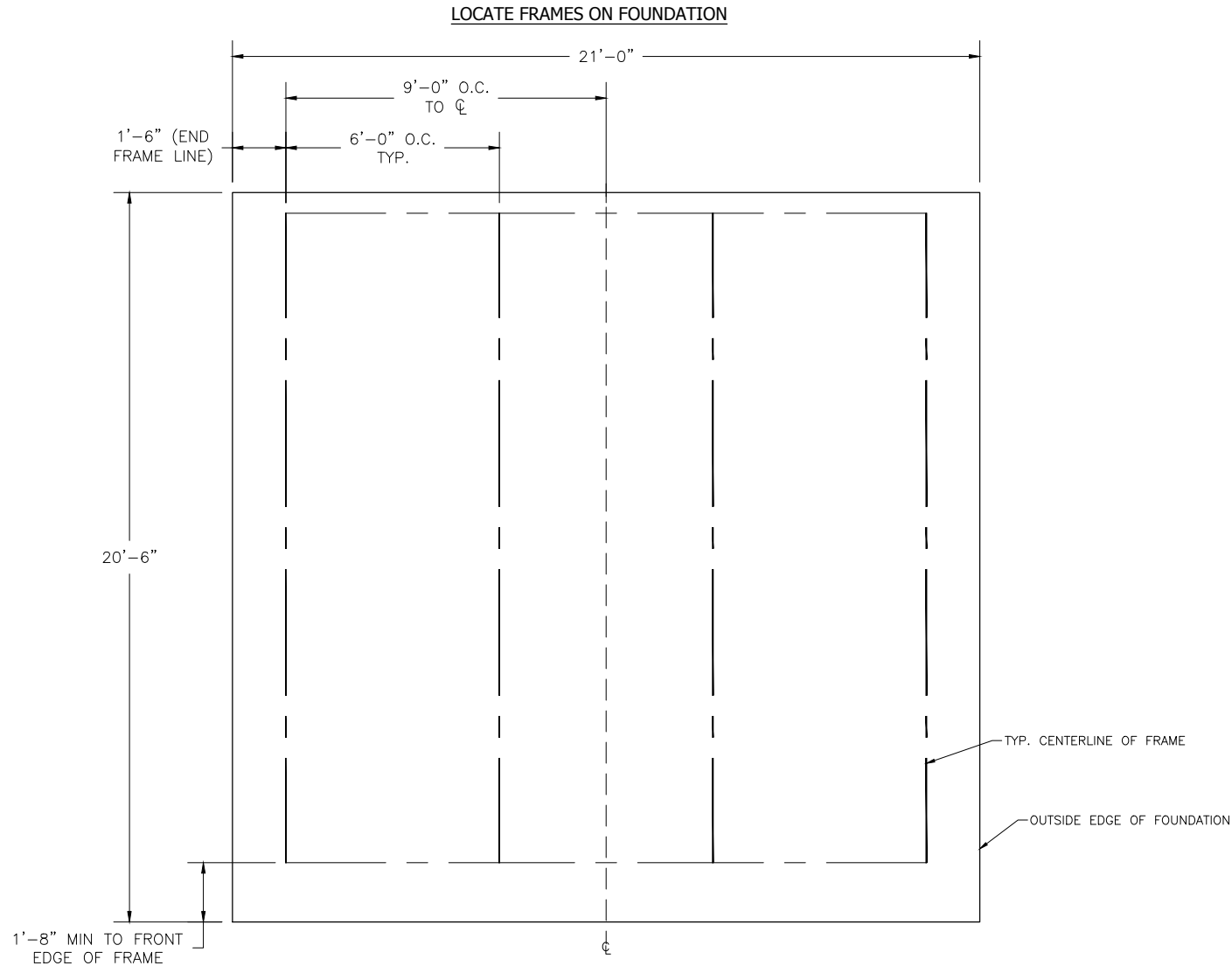
DRAWN BY: JML

DATE: 3/17/17

REVISION: (0)

SCALE: N.T.S.

SHEET NUMBER: TD.1



CONCRETE FOUNDATION SPECIFICATIONS

SCOPE:

Foundation construction is not part of PARK WAREHOUSE, LLC'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 PW, LLC.

FOUNDATION DESIGN & ANCHORS:

1) The foundation designs are based on the following:

- Minimum presumed soil bearing of 1000 psf.
- Bleacher frame dead and live load of 700 lbs./ft.
- 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 $\frac{3}{4}$ " dia. x 3" wedge type expansion anchor. The anchors shall be embedded a minimum of 2" into the concrete.

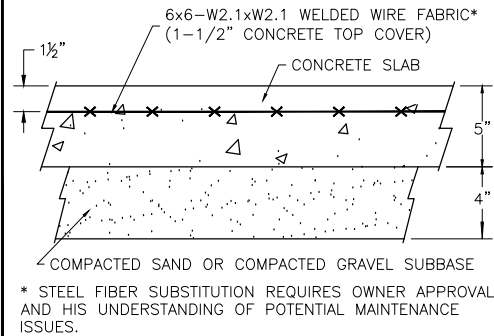
CONCRETE SPECIFICATIONS:

- All concrete construction shall be in accordance with **ACI 318.08**.
- All concrete shall be air-entrained using an air entraining admixtruing meeting **ASTM C620**. Total air content: 5%-7% per **ASTM C173**.
- All concrete shall have a minimum 28-day strength of $F_c=3000$ psi. Concrete shall have air-entrainment
- A $\frac{1}{4}$ " bituminous expansion joint material shall be placed between strip and slab foundations when adjacent to each other.
- The depressions in the top of the foundations between high spots shall not exceed $\frac{5}{16}$ " 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"**.

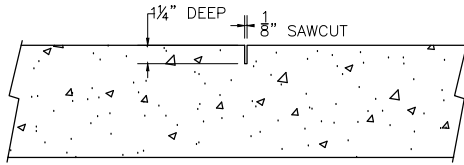
CONCRETE SLAB RECOMMENDED SPECIFICATIONS:

- 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.
- PW. LLC., recommends that the concrete slab be reinforced with 6x6-W2.1xW2.1 welded wire fabric at $1\frac{1}{4}$ " concrete cover from the top. In lieu of welded wire fabric, steel fiber substitution requires OWNER approval and his understanding of potential maintenance issues.
- 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.
- Crack control joints shall be sawed into slab to form approximate square patterns. The maximum spacing for control joints shall not exceed 12'-6", UNLESS INDICATED OTHERWISE. The bleacher frames shall not be set on control joints. The designer shall contact NRS to coordinate joint spacing requirements with the specific bleacher design.
- 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".

CONCRETE SLAB SECTION



CONTROL JOINT DETAIL



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MODEL NUMBER: 335b1625-2-DLX

DESCRIPTION: NON-ELEV. 10 ROW X 21'-0" FOUNDATION PLAN

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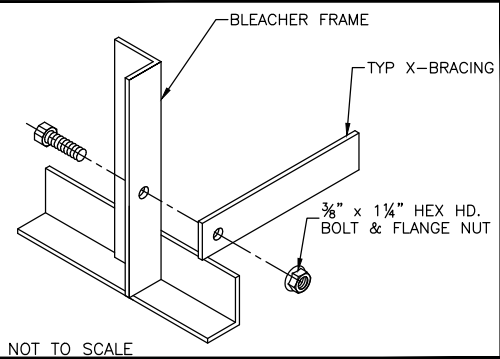
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SCALE: N.T.S.

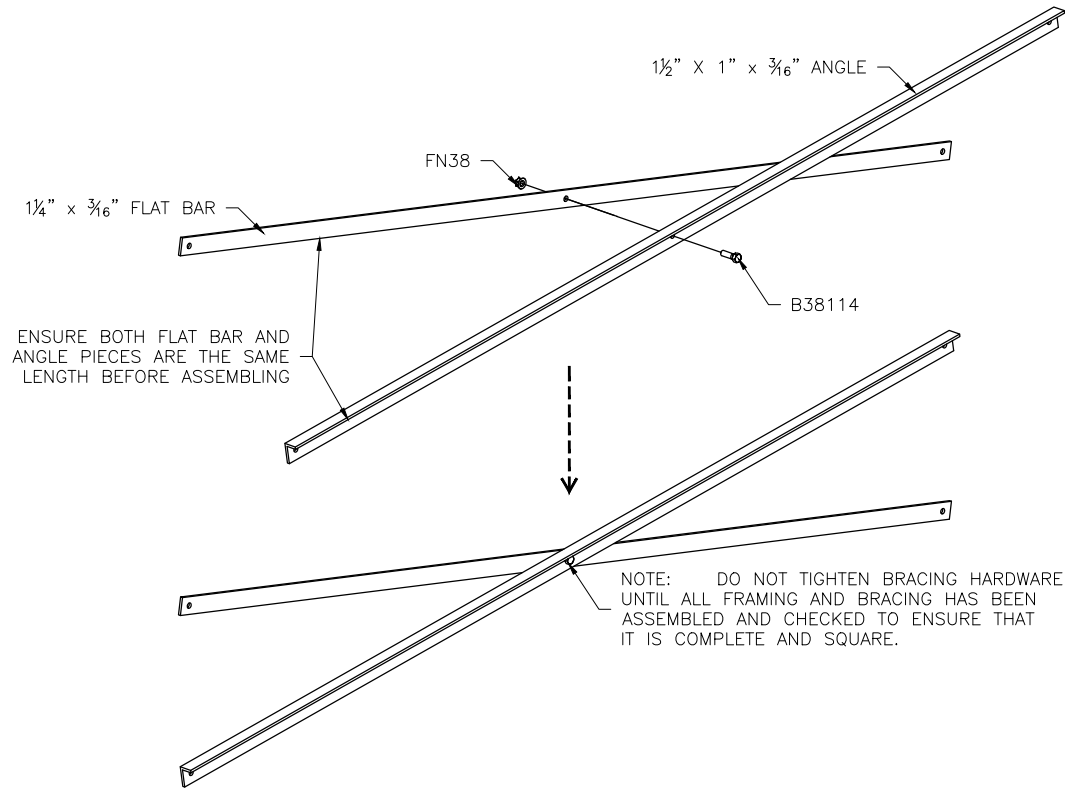
SHEET NUMBER: FP.1

⊕ TYP X-BRACE CONN. W/ 1¼ BOLT

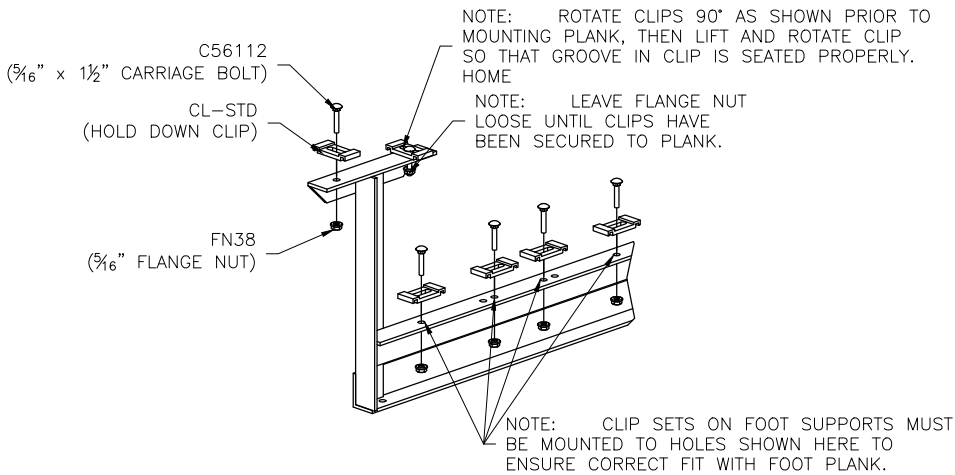


NOT TO SCALE

PRE-ASSEMBLE X-BRACE PAIR(S)



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



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MODEL NUMBER: 335b1625-2-DLX

DESCRIPTION: NON-ELEV. 10 ROW X 21'-0" BRACING LOCATIONS

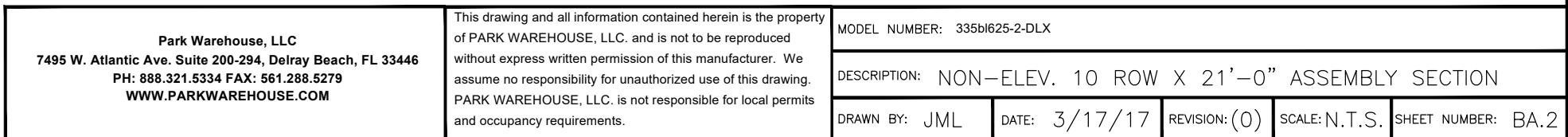
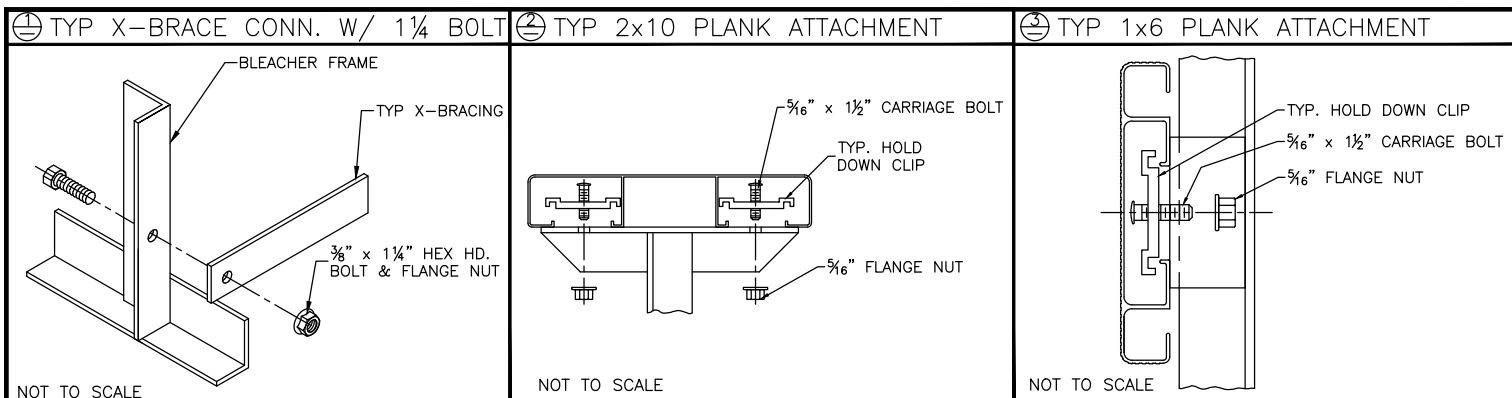
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DATE: 3/17/17

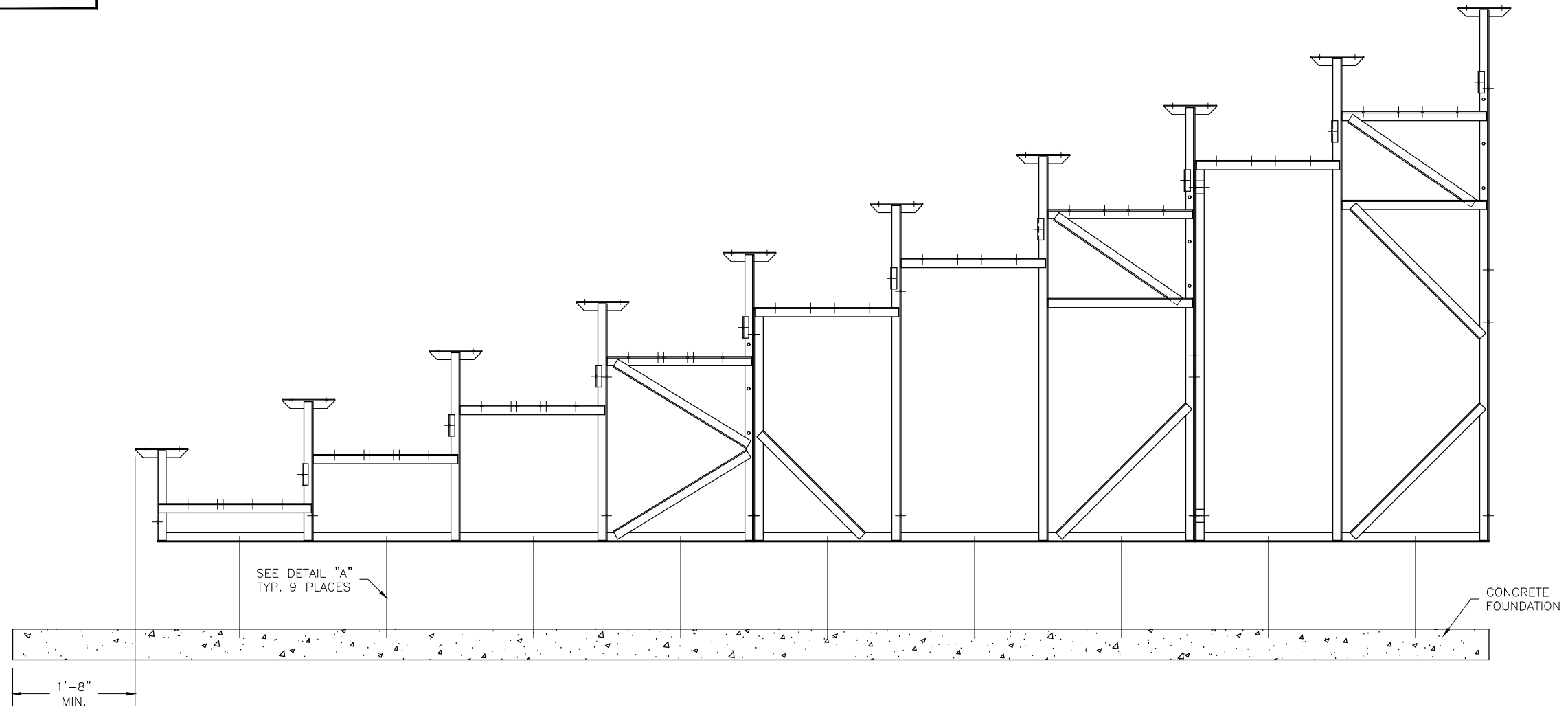
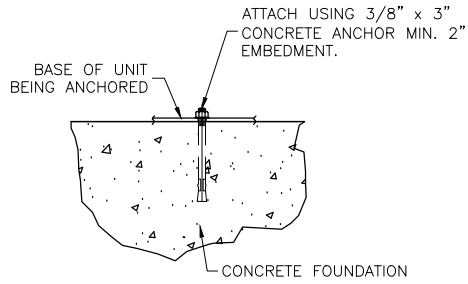
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SCALE: N.T.S.

SHEET NUMBER: BA.1



⊕ WEDGE ANCHOR DETAIL — 3"



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MODEL NUMBER: 335b1625-2-DLX

DESCRIPTION: NON-ELEV. 10 ROW X 21'-0" ANCHORING PLAN

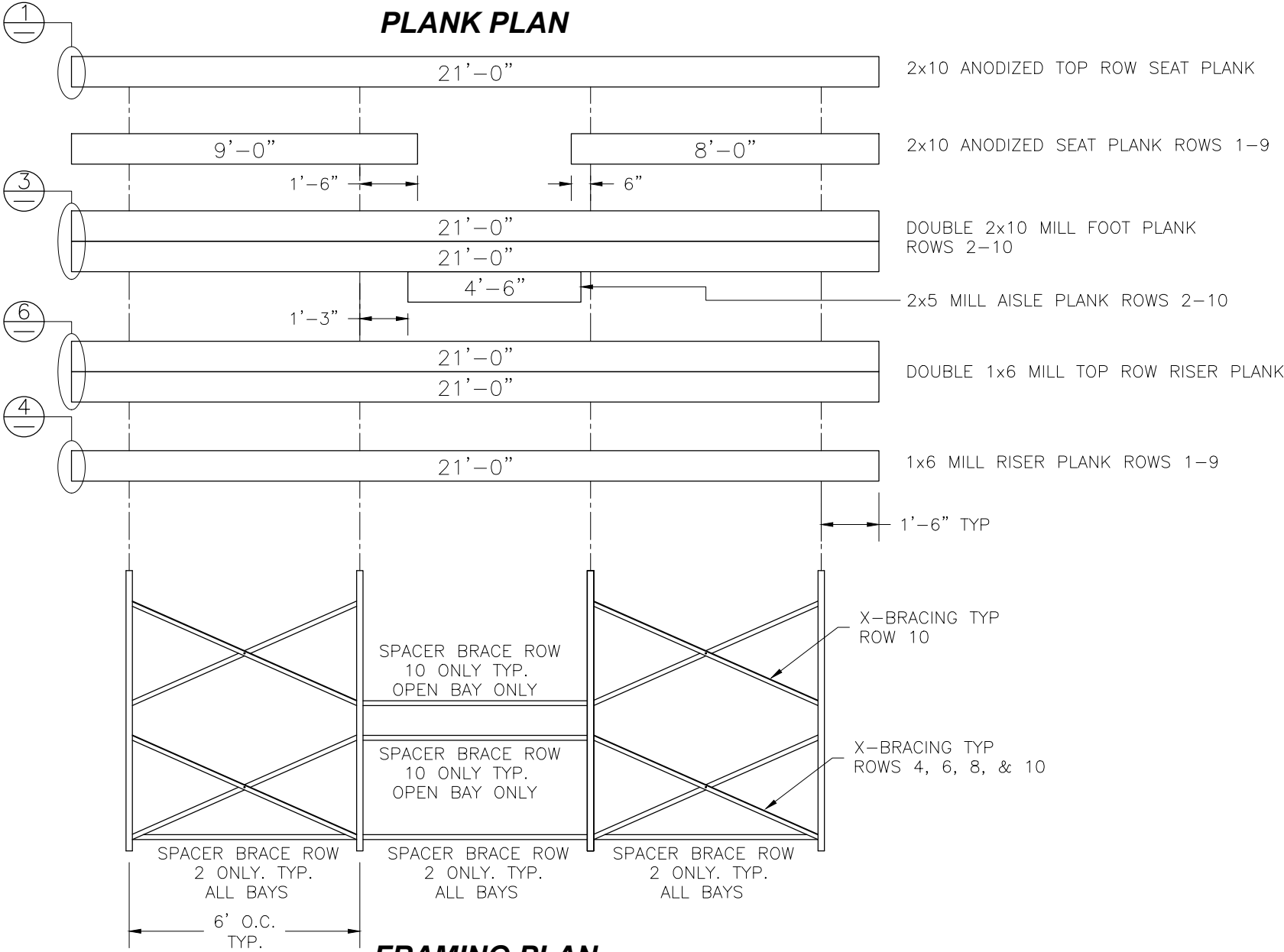
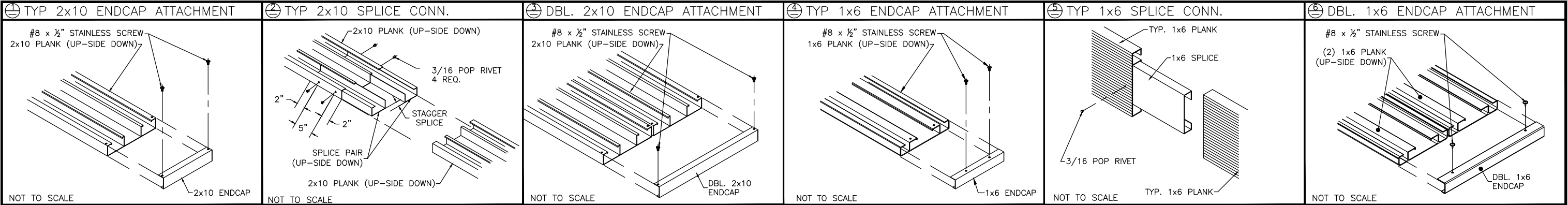
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DATE: 3/17/17

REVISION: (0)

SCALE: N.T.S.

SHEET NUMBER: AP.1



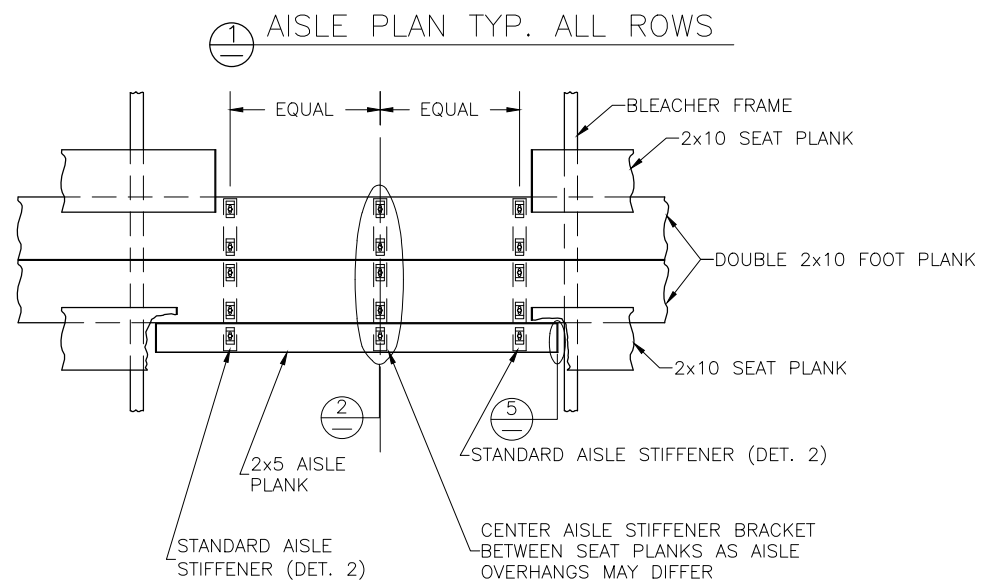
FRAMING PLAN



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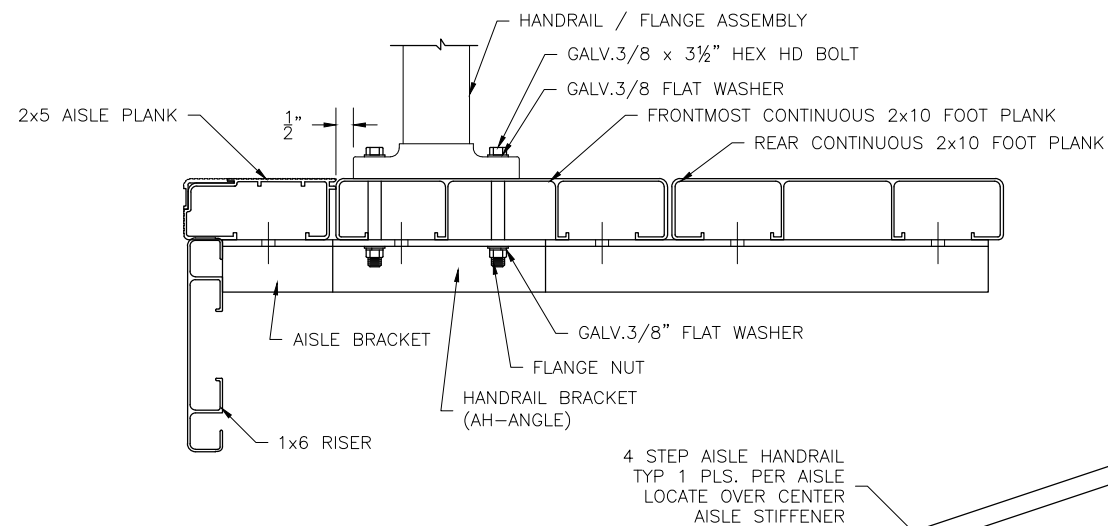
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MODEL NUMBER: 335bl625-2-DLX				
DESCRIPTION: NON-ELEV. 10 ROW X 21'-0" PLANK & FRAMING PLAN				
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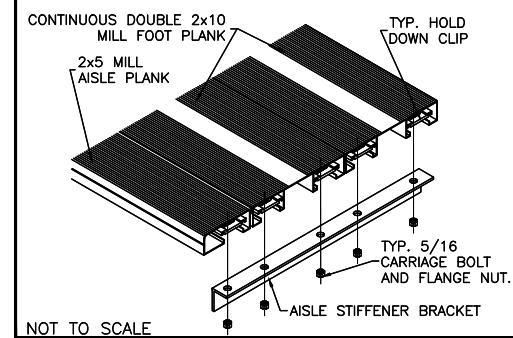


DETAIL A

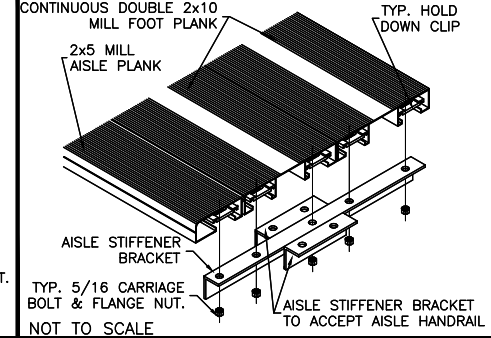
FRONT HANDRAIL ASSEMBLY SHOWN
LOCATE OVER REAR FOOT PLANK FOR REAR ASSEMBLY



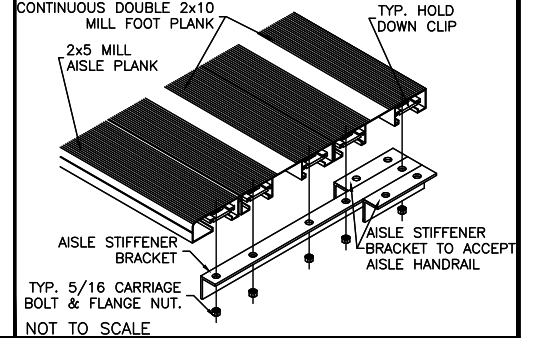
TYP. AISLE BKT DETAIL



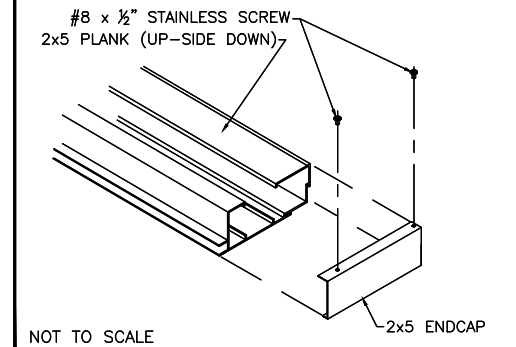
FRONT AISLE H.R. BRACKET DETAIL



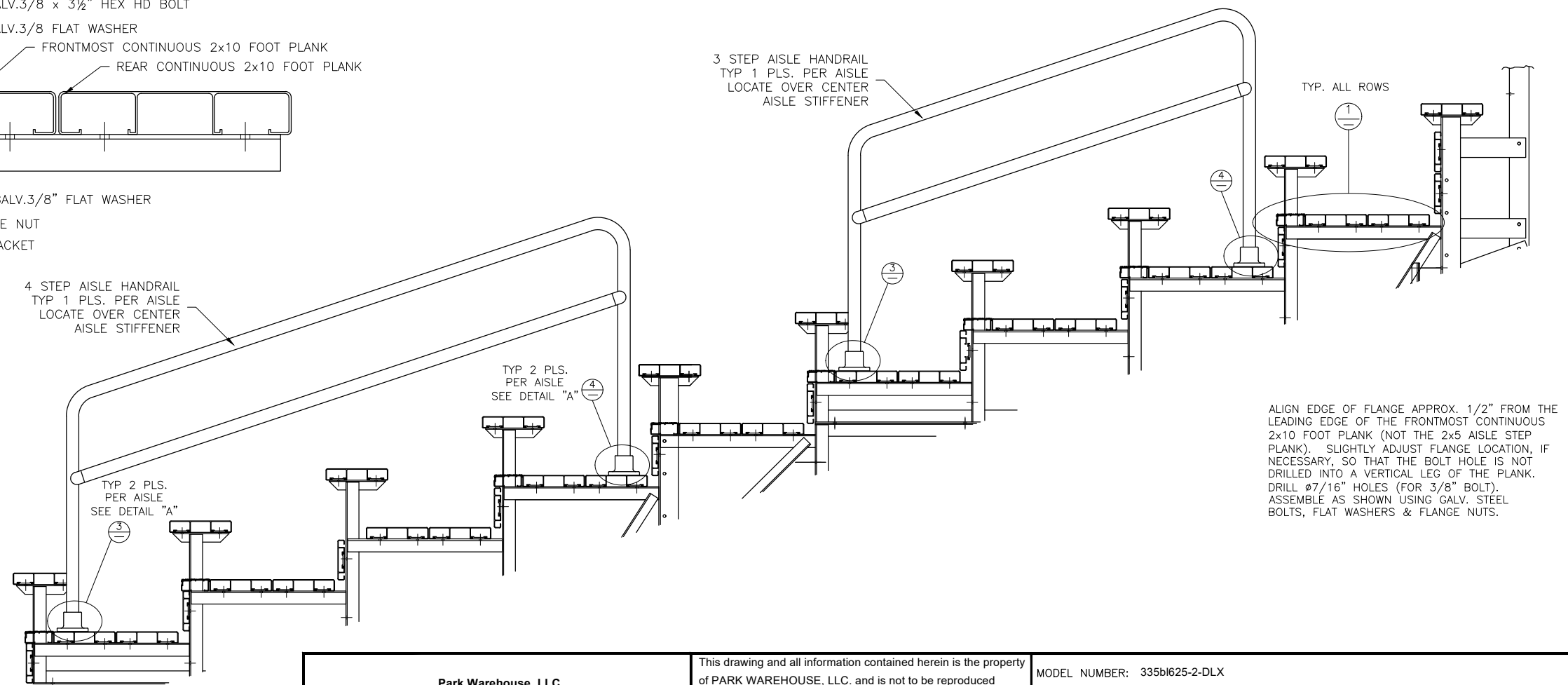
REAR AISLE H.R. BRACKET DETAIL



TYP 2x5 ENDCAP ATTACHMENT



3 STEP AISLE HANDRAIL
TYP 1 PLS. PER AISLE
LOCATE OVER CENTER
AISLE STIFFENER



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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MODEL NUMBER: 335bl625-2-DLX

DESCRIPTION: 10 ROW VERTICAL AISLE ASSEMBLY

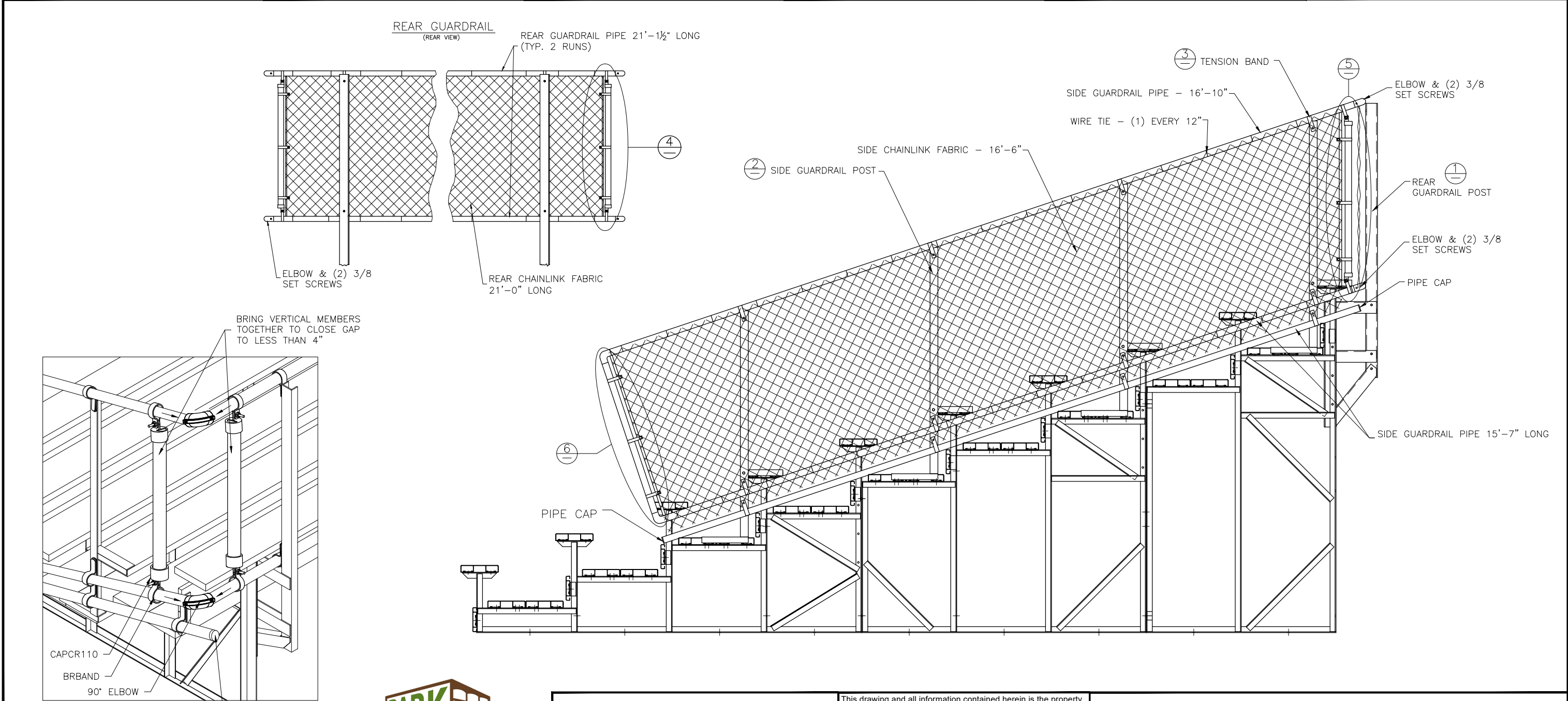
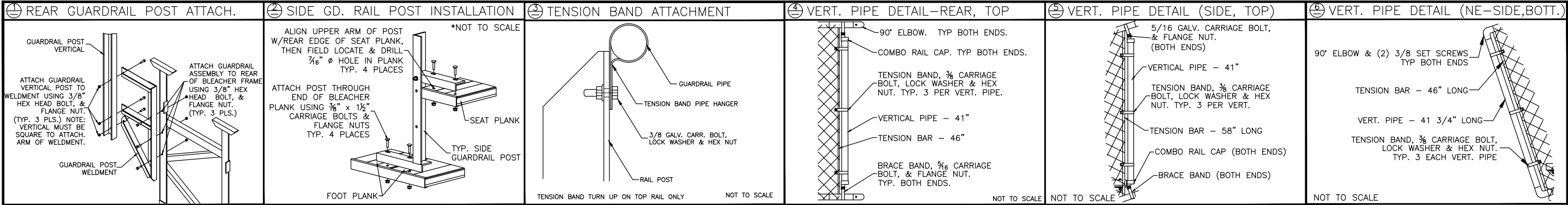
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SHEET NUMBER: VA, 1



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MODEL NUMBER: 335bl625-2-DLX				
DESCRIPTION: NON-ELEV. 10 ROW X 21'-0" GUARDRAIL ASSEMBLY				
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