

Note

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THE NEW YORK CITY DEPARTMENT OF BUILDINGS BEARS NO RESPONSIBILITY OR LIABILITY AND MAKES NO WARRANTY, EXPRESS OR IMPLIED, FOR THE DESIGN AND/OR CONSTRUCTION OF THE INSTALLED PEDESTRIAN PROTECTION SYSTEMS. IN NO WAY SHALL IT BE CONSTRUED THAT THE NEW YORK CITY DEPARTMENT OF BUILDINGS, BY PROVIDING THESE REFERENCE DESIGNS, IS SUPPLANTING OR SUPPLEMENTING THE RESPONSIBILITIES OF THE OWNER, REGISTERED DESIGN PROFESSIONAL, AND/OR CONTRACTOR. THE OWNER AND THE CONTRACTOR ACKNOWLEDGE THAT THE SAMPLE CONSTRUCTION DOCUMENTS PREPARED FOR NYC DOB ARE NOT SITE SPECIFIC AND CANNOT BE USED FOR OR RELIED UPON FOR INSTALLATION OF THE SIDEWALK SHED OR FOR PERMITTING PURPOSES. SEE SECTION 3307 OF THE NYC BUILDING CODE FOR MORE INFORMATION.

REFERENCE DESIGN ONLY.
SITE-SPECIFIC ENGINEERING
AND COMPLIANCE WITH
APPLICABLE LAWS AND
RULES REQUIRED.

NO.	DESCRIPTION	DATE
1	FOR CAPA REVIEW	06.25.2026



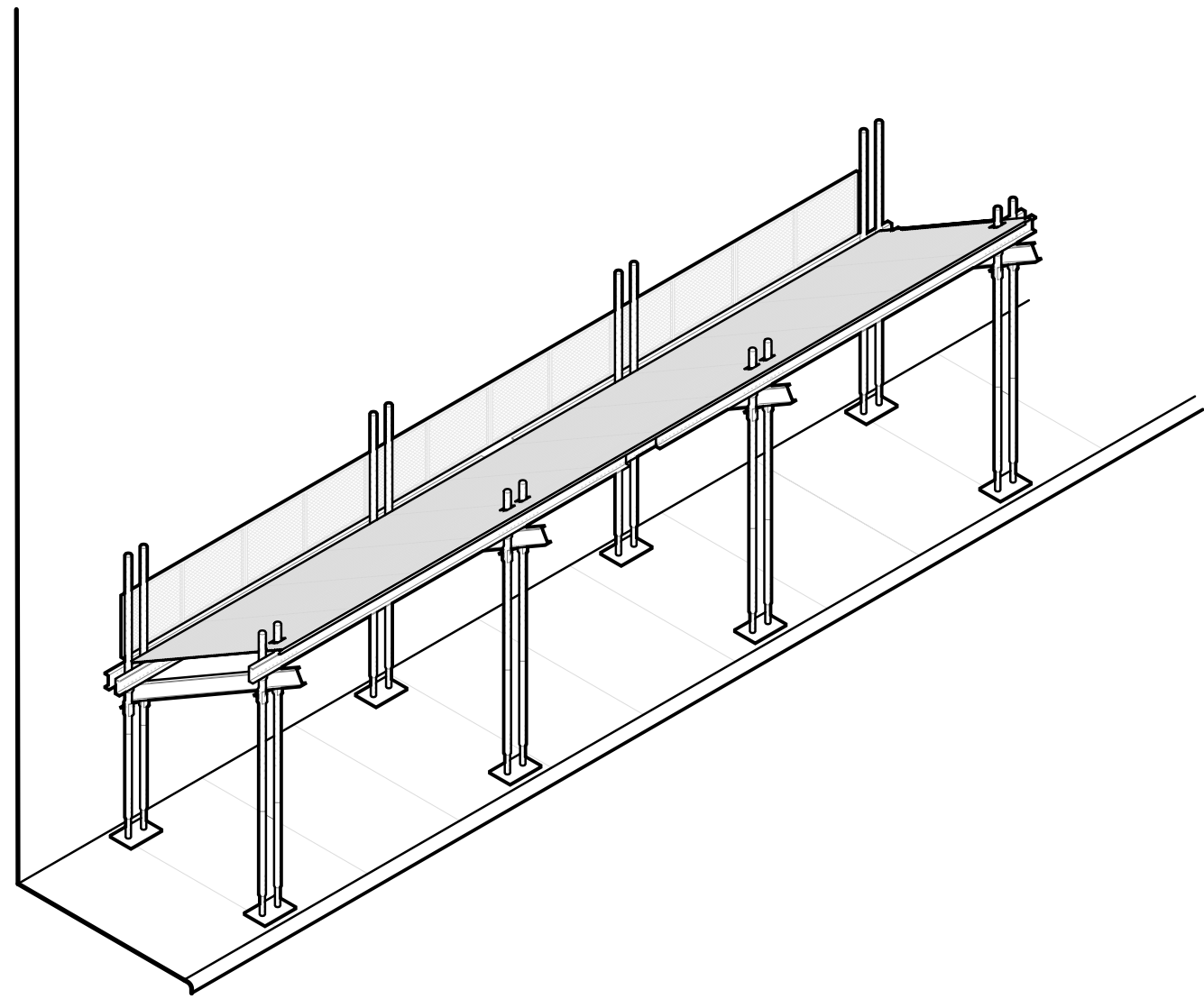
NOTE: VIEW SHOWS BASELINE SHED IN ANGLED CONFIGURATION AND IS SHOWN FOR REPRESENTATION PURPOSES ONLY. CONDITIONS WILL VARY PER SITE.

BASELINE SHED

NYC DOB PEDESTRIAN PROTECTION

DRAWING LIST	
SHEET NO	NAME
PPD-B0	COVER SHEET & DRAWING LIST
PPD-B1	GENERAL NOTES & SPECIFICATIONS
PPD-B2	TYPICAL PLAN, SECTION & MATRIX
PPD-B3	TYPICAL DETAILS
PPD-B4	TYPICAL DETAILS
PPD-B5	TYPICAL DETAILS
PPD-B6	SPECIAL CONDITION - SCAFFOLDING
PPD-B7	SPECIAL CONDITION - CORNER
PPD-B8	SPECIAL CONDITION - CORNER
PPD-B9	SPECIAL CONDITION - WIDE SPANS
PPD-B10	SPECIAL CONDITION - OBSTRUCTIONS
PPD-B11	PARTS & PIECES
PPD-B12	PARTS & PIECES
PPD-B13	PARTS & PIECES
PPD-B14	PARTS & PIECES
PPD-B15	PARTS & PIECES
PPD-B16	PARTS & PIECES

USE CASE: THE BASELINE SHED SERVES GENERAL USE ON TYPICAL SIDEWALKS WITH POST SPACING UP TO 16 FEET, COLUMN TO COLUMN, PERPENDICULAR TO THE STREET. IT COMES IN HEAVY, LIGHT, AND EXTRA LIGHT DUTY LOAD VARIANTS. IT CAN ACCOMMODATE BUILDING SCAFFOLDING WHEN REQUIRED, AS SPECIFIED. ITS ANGLED, TRANSPARENT ROOF ADMITS LIGHT TO THE SIDEWALK BELOW, AND IT OFFERS LONG SPANS AND A RANGE OF STRUCTURAL POST MEMBER OPTIONS. IT IS DESIGNED TO ADAPT TO THE VARIED SIDEWALK AND BUILDING CONDITIONS ACROSS THE CITY.



Pedestrian Protection Designs

BASELINE SHED

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New York City Department of Buildings

Drawing Title
COVER SHEET & DRAWING LIST

Drawing Number:

PPD-B0

GENERAL NOTES:

DESIGN REQUIREMENTS

1.

PER THE REQUIREMENTS OF THE NYC BUILDING CODE, ALL SIDEWALK SHEDS SHALL BE DESIGNED BY A REGISTERED DESIGN PROFESSIONAL. SIDEWALK SHED DESIGNS ARE SPECIFIC TO THE PARTICULAR SITE. THE CONTRACTOR INSTALLING THE SIDEWALK SHED IS RESPONSIBLE FOR ENGAGING A LICENSED DESIGN PROFESSIONAL. THE DESIGN PROFESSIONAL WILL BE REQUIRED TO PREPARE CONSTRUCTION DOCUMENTS SPECIFIC TO THE SITE AND FILE WHAT IS REQUIRED BY THE DEPARTMENT OF BUILDINGS TO OBTAIN A PERMIT FOR THE INSTALLATION OF THE SIDEWALK SHED. THE OWNER AND THE CONTRACTOR ACKNOWLEDGE THAT THE SAMPLE CONSTRUCTION DOCUMENTS PREPARED FOR NYC DOB ARE NOT SITE SPECIFIC AND CANNOT BE USED FOR OR RELIED UPON FOR INSTALLATION OF THE SIDEWALK SHED OR FOR PERMITTING PURPOSES. SEE SECTION 3307 OF THE NYC BUILDING CODE FOR MORE INFORMATION.
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GENERAL REQUIREMENTS

1.

ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF CURRENT VERSION OF THE NEW YORK CITY BUILDING CODE, INCLUDING ALL REFERENCED CODES AND STANDARDS. WHERE CURRENT CODE PROVISIONS AND DESIGN CRITERIA ARE MORE STRINGENT THAN THOSE CONSIDERED IN THESE DRAWINGS, THE REGISTERED DESIGN PROFESSIONAL SHALL MAKE SUITABLE ADJUSTMENTS.
2.

FIELD MEASUREMENTS: OBTAIN ALL FIELD MEASUREMENTS REQUIRED FOR PROPER FABRICATION AND INSTALLATION OF THE WORK. FIELD MODIFICATIONS OF THE WORK SHALL BE REVIEWED AND APPROVED BY THE REGISTERED DESIGN PROFESSIONAL.
3.

THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE OSHA REGULATIONS AND SAFETY PROCEDURES TO ENSURE THE HEALTH AND SAFETY OF PERSONNEL AND PEDESTRIANS. THE CONTRACTOR MUST MAINTAIN A SAFE AND CLEAN WORKING ENVIRONMENT AND SHALL ENSURE PROPER PERSONAL PROTECTIVE EQUIPMENT IS WORN AT ALL TIMES. IN AREAS WHERE PEDESTRIAN AND/OR VEHICULAR TRAFFIC IS AFFECTED BY THE WORK, THE CONTRACTOR SHALL CORDON OFF THE WORK AREA IN ACCORDANCE WITH DOT REQUIREMENTS.
4.

CONTRACTOR SHALL ENSURE THAT STRUCTURAL MEMBERS USED FOR A SIDEWALK ARE IN GOOD CONDITION AND SUITABLE FOR THE WORK. EXISTING STOCK THAT IS REUSED FOR A NEW INSTALLATION SHALL BE CHECKED FOR UNACCEPTABLE CORROSION, DEFORMATION, DAMAGE, OR OTHER DETERIORATION PRIOR TO INSTALLATION.

ERECTION AND QUALITY ASSURANCE

1.

ERECT STEEL STRUCTURE SO THAT BEAMS AND GIRDERS ARE ALIGNED AND LEVEL WITH THE PLANE OF THE DECKING AND SO THAT COLUMNS ARE VERTICAL AND PLUMB.
2.

ADJUSTABILITY CAN BE ACHIEVED THROUGH THE USE OF ARRAYED BOLT HOLES IN ALL STRUCTURAL PIECES AND BY SHIMMING UNDER POST BASE PLATES.
3.

POST BASE PLATES SHALL BE LEVEL, SHIMMED AS REQUIRED PER THE REQUIREMENTS OF THIS DOCUMENT, AND BEAR ON MINIMUM 4" THICK, SOUND CONCRETE SIDEWALK, ASPHALT, OR SIMILAR PAVING.

THE SURFACE UPON WHICH THE SHED ULTIMATELY BEARS, SUCH AS THE STREET, SIDEWALK, VAULT, OR GROUND, SHALL BE CAPABLE OF SUPPORTING THE DESIGN LOADS OF THE SIDEWALK SHED, INCLUDING ANY ITEM PLACED OR STORED UPON THE SHED, WITHOUT DAMAGE, SETTLEMENT, OR DEFORMATION TO SUCH SURFACE.

4.

PROVIDE TEMPORARY BRACING AND SHORING AS NEEDED FOR TEMPORARY STABILITY DURING ERECTION.
5.

PERFORM SPECIAL INSPECTIONS, BOTH SHOP AND FIELD, AS REQUIRED BY THE NEW YORK CITY BUILDING CODE.
6.

PERFORM REGULAR INSPECTION OF THE INSTALLED SHED PER THE REQUIREMENTS OF NYCBC 3307.6.5.
7.

WHEN SIDEWALK SHED IS REMOVED, REMOVE POST-INSTALLED ANCHORS AND REPAIR SIDEWALK PER THE REQUIREMENTS OF THE NEW YORK CITY DEPARTMENT OF TRANSPORTATION.

LAYOUT AND ASSEMBLY NOTES:

1.

REGISTERED DESIGN PROFESSIONAL SHOULD MAXIMIZE POST SPACING, AS ALLOWED BY THE DESIGN MATRICES ON THIS SHEET. POST SPACING MAY BE LOWER THAN MAXIMUM ALLOWABLE SPACING IF NEEDED TO AVOID THE CURB OR OBSTRUCTIONS SUCH AS CURB CUTS OR RAMPS, VEHICULAR ACCESS POINTS, STREETLIGHTS, TRAFFIC LIGHTS OR SIGNS, FIRE HYDRANTS, FIRE DEPARTMENT CONNECTIONS, WATER SAMPLING STATIONS, BUS SHELTERS, STREET FURNITURE, TREES, ADJACENT SHOW WINDOWS, MEANS OF INGRESS/EGRESS, SUBWAY ENTRANCES, OR ACCESS POINTS TO VAULTS, MANHOLES, OR OTHER UNDERGROUND STRUCTURES. SIDEWALK SHED PLANS SHALL INCLUDE LOCATIONS OF SUCH OBSTRUCTIONS AND INDICATE MEASUREMENT OF SHORTER SPANS.

DESIGN CRITERIA

1.

UNIFORMLY DISTRIBUTED LIVE LOAD: EXTRA LIGHT DUTY (100 PSF), LIGHT DUTY (150 PSF), OR HEAVY DUTY (300 PSF).
2.

CONCENTRATED LOAD: 2500 LB OVER A 12" x 12" AREA (NON-CONCURRENT WITH UNIFORMLY DISTRIBUTED LIVE LOAD).
3.

SNOW: 20 PSF UNIFORMLY DISTRIBUTED LOAD WITH DRIFT.
4.

WIND LOADING PER 2022 NYCBC WITH PARAMETERS:

RISK CATEGORY:	V = 110 MPH
EXPOSURE CATEGORY:	B, C, OR D (SEE MATRICES)
DIRECTIONAL FACTOR:	K _{dt} = 0.85
TOPOGRAPHIC FACTOR:	K _{zt} = 1.0
GROUND ELEVATION FACTOR:	K _e = 1.0
GUST EFFECT FACTOR:	G = 0.85
EXPOSURE B DECK PRESSURES:	+29 PSF / - 27 PSF
EXPOSURE C DECK PRESSURES:	+42 PSF / -39 PSF
EXPOSURE D DECK PRESSURES:	+51 PSF / -47 PSF

THE BASIC WIND SPEED REDUCTION FACTOR FOR TEMPORARY CONSTRUCTION INSTALLATIONS IS NOT CONSIDERED.

5.

NOTIONAL LATERAL LOAD: 2% OF DEAD AND LIVE LOADS APPLIED IN BOTH DIRECTIONS AT THE LEVEL OF THE SHED DECKING.
6.

ALLOWABLE BEARING PRESSURE UNDER BASE PLATES ON SIDEWALKS IS LIMITED TO 100 PSI. BEARING ON VAULTS OR OTHER STRUCTURES TO BE EVALUATED BY REGISTERED DESIGN PROFESSIONAL ON A SITE SPECIFIC BASIS.
7.

STORAGE LOADING: NOT INCLUDED, TO BE CONSIDERED BY REGISTERED DESIGN PROFESSIONAL FOR INDIVIDUAL INSTALLATION.
8.

DESIGNS APPLY TO SIDEWALK SHEDS CONSTRUCTED ON LAND, AT GRADE LEVEL (DOES NOT APPLY TO SIDEWALK SHEDS CONSTRUCTED ON ROOFTOPS, BRIDGES, PIERS, ELEVATED TRACKS/PLATFORMS, OR OTHER LOCATIONS WITH ATYPICAL WIND CLIMATES). SIDEWALK SHEDS NOT CONSTRUCTED AT GRADE LEVEL REQUIRE ADDITIONAL INVESTIGATION BY THE REGISTERED DESIGN PROFESSIONAL.
9.

SIDEWALK SHEDS SUPPORTING A SCAFFOLD SHALL BE DESIGNED AND CONFIGURED TO RECEIVE LOADING FROM THE SCAFFOLD. SIDEWALK SHED DESIGN DOES NOT CONSIDER LATERAL LOADS IMPOSED BY SCAFFOLD SYSTEMS ABOVE.
10.

SIDEWALK SHED DESIGNS DO NOT CONSIDER SIDEWALLS, CONSTRUCTION FENCING, OR OTHER VERTICAL SURFACES NOT SHOWN HERE. ADDITIONAL WIND PRESSURES ON THESE SURFACES SHALL BE CONSIDERED BY THE REGISTERED DESIGN PROFESSIONAL, AS REQUIRED.
11.

REGISTERED DESIGN PROFESSIONAL FOR INDIVIDUAL INSTALLATIONS RESPONSIBLE FOR OSHA AND LIFE SAFETY DESIGN CRITERIA (GUARD RAILS, TIE OFF POINTS, ETC.), AS REQUIRED FOR SHED LOCATION, USE, AND CONFIGURATION.

SPECIFICATIONS:

PERFORMANCE / DESIGN CRITERIA

1.

GENERAL PERFORMANCE: ALL MATERIALS SHALL WITHSTAND EXPOSURE TO WEATHER AND RESIST THERMALLY INDUCED MOVEMENT WITHOUT FAILURE, RATTLING, LEAKING, OR FASTENER DISENGAGEMENT DUE TO DEFECTIVE MANUFACTURE, FABRICATION, INSTALLATION, OR OTHER DEFECTS IN CONSTRUCTION.

STRUCTURAL STEEL

1.

UNLESS OTHERWISE NOTED, USE THE FOLLOWING:
- WIDE-FLANGES & CHANNELS:

ASTM A992, FY = 50 KSI
- PIPES:

ASTM A53, FY = 35 KSI
- HSS SECTIONS:

ASTM A500 GR. C, FY = 50 KSI
- ANGLES & PLATES:

ASTM A572, FY = 50 KSI
2.

BOLTING
- A.

ALL BOLTED CONNECTIONS SHALL BE MADE WITH ASTM A325 TYPE 1 BOLTS, 3/4" DIAMETER MINIMUM WITH ASTM A563 NUTS DH AND ASTM F436 WASHERS, UNLESS OTHERWISE NOTED.
- B.

ALL BOLTED CONNECTIONS SHALL BE SNUG TIGHT, BEARING TYPE CONNECTIONS.
- C.

PROVIDE MINIMUM (2) BOLTS AT ALL CONNECTIONS.
- D.

ALL BOLTS AND HARDWARE SHALL BE GALVANIZED.
- E.

BOLTS AND NUTS, AT TIME OF TIGHTENING, SHALL BE CLEAN, RUST-FREE, AND FREE FROM THREAD DAMAGE. APPLY THREAD LUBRICANT TO BOLTS AND NUTS, AS REQUIRED.
- F.

BOLTS WITHIN REACH OF PEDESTRIANS SHALL BE SECURED WITH TAMPER RESISTANT TRIDENT NUTS.
3.

WELDING
- A.

ALL WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1.
- B.

ELECTRODES, FLUX AND SHIELDING GAS SHALL PROVIDE PHYSICAL PROPERTIES AFTER WELDING EQUIVALENT TO OR BETTER THAN E7018 LOW HYDROGEN ELECTRODES.
4.

WELDED STUDS
- A.

MATERIAL AND EQUIPMENT FOR WELDED STUDS SHALL CONFORM TO AWS D1.1, CHAPTER 7, TYPE B AND TO ASTM A108, GRADE 1010 THROUGH 1020, COLD FINISHED CARBON STEEL.
5.

DOUBLE CHANNELS MEMBERS SHALL BE CONNECTED BY INTERMITTENT HSS FILLERS AND (2) BOLTS AT A SPACING NOT TO EXCEED 48". SEE TYPICAL DETAIL.
6.

MAINTAIN STRUCTURAL STEEL ERECTION TOLERANCES OF 1/800 OR 1 INCH, WHICHEVER IS LESS.
7.

PROVIDE LDPE BOLT PROTECTION CAPS, UV-STABILIZED, BLACK, AT ALL FASTENERS WITHIN REACH OF THE PUBLIC.

STEEL COATING OPTIONS

1.

GALVANIZED
- A.

STEEL MEMBERS AND CONNECTION PLATES SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A123.
- B.

STEEL HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153.
2.

PAINTED
- A.

PPG DURANAR® ADS COATING IN COLOR 099. STAINLESS STEEL UC137191XL
3.

FLUOROPOLYMER POWDER COATED
- A.

SURFACES INDICATED SHALL RECEIVE A THERMALLY-CURED, PIGMENTED, FLUOROPOLYMER POWDER COATING SYSTEM, CONTAINING 100 PERCENT FLUOROETHYLENE VINYL ETHER (FEVE) RESIN.
- B.

THE COATING SYSTEM SHALL BE APPLIED UNDER SHOP CONDITIONS TO PRETREATED BASE METAL IN STRICT ACCORDANCE WITH THE COATING SYSTEM MANUFACTURERS RECOMMENDATIONS, AND TO THE MINIMUM STANDARDS OF AAMA 2605.
- C.

PROVIDE AND FURNISH A COMPATIBLE FIELD TOUCH-UP PVDF COATING SYSTEM FORMULATED FOR AIR-DRYING AT
- D.

AMBIENT TEMPERATURE IN COLOR TO MATCH THE FACTORY APPLIED FINISH. SUBMIT SAMPLES OF THE AIR DRY SYSTEM AS WELL AS SAMPLES OF ACTUAL TOUCH-UP WORK TO FACTORY APPLIED C COATING SYSTEM.

POST-INSTALLED ANCHORS

1.

POST-INSTALLED ANCHORS SHALL BE STAINLESS STEEL WEDGE-TYPE EXPANSION ANCHORS, MINIMUM 3/4" DIAMETER, DESIGNED IN ACCORDANCE WITH ACI 318.
2.

POST-INSTALLED ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS. ANCHOR INSTALLER SHALL HAVE EXPERIENCE AND TRAINING WITH INSTALLING THE SPECIFIED POST-INSTALLED ANCHORS.
3.

DESIGN BASE PLATE ANCHORAGES FOR THE LRFD FORCES PROVIDED IN THE MATRIX ON PPD-B2. T₁ IS UPLIFT, V₁₀ IS SHEAR PARALLEL TO THE AXIS OF THE SIDEWALK AND V₁₀ IS SHEAR PERPENDICULAR TO THE AXIS OF THE SIDEWALK.
4.

PROVIDE MINIMUM (2) ANCHORS AT BUILDING SIDE BASE PLATE AND MINIMUM (4) ANCHORS AT CURB SIDE BASE PLATE. ORIENT BASE PLATES WITH CENTER ANCHORS POSITIONED AWAY FROM CURB OR BUILDING, AS SHOWN ON PPD-B3.

BASE PLATE SHIMS

1.

NON-ORGANIC SHIMS COMPATIBLE WITH ANCHORAGE REQUIREMENTS, 1-1/2" MAX HEIGHT.

DEBRIS NETTING

1.

MAX 1/2" OPENING HDPE KNITTED MESH 70% OPEN MIN.

GUTTER

1.

INSERT SPEC

LIGHTING

1.

SURFACE MOUNT LED LUMINAIRES:
- A.

STAINLESS STEEL CONSTRUCTION
- B.

PREMIUM DRIVER
- C.

3G VIBRATION TEST RATING
- D.

MINIMUM 5-YEAR LIMITED WARRANTY
- E.

MADE IN AMERICA
- F.

HOUSING: 20GA (0.036 INCH) MINIMUM STAINLESS STEEL, DOUBLE CHANNEL, ONE WELDED INSIDE THE OTHER, WITH SPACE BETWEEN THE CHANNEL SIDES TO CAPTURE THE DIFFUSER. THREADED HUBS ARE CONTINUOUSLY WELDED INTO THE CHANNEL ENDS TO CREATE A SEALED WIREWAY ACCESS. REMOVABLE PLUGS SEAL THE HUBS WHEN NOT UTILIZED.
- G.

LENS: 0.156 IN. PRISMATIC POLYCARBONATE.
- H.

END CAPS: DIE FORMED OF 18GA (0.048 INCH) STAINLESS STEEL, A THREADED, KNURLED RING SECURES THE END CAP TO THE LUMINAIRE HOUSING. END CAPS SECURE LENS.
- I.

GASKETING: EPDM IN THE HOUSING CHANNELS AND NEOPRENE END CAPS.
- J.

ELECTRICAL: HIGH EFFICIENCY LED/DRIVER COMBINATION, 160 LUMENS/WATT RAY ARRAY EFFICACY WITH 80+ CRI, 4000K COLOR TEMPERATURE.
- K.

MOUNTING: SURFACE OR CONTINUOUS ROW FOR COVERED CEILING INSTALLATIONS ONLY.

DECKING ASSEMBLY

1.

OPTION 1: ALUMINUM BAR GRATING WITH POLYCARBONATE
- OPTION 2: STEEL PLANK WITH POLYCARBONATE
2.

ATTACH DECKING TO FLANGES OF SUPPORTING STEEL MEMBERS WITH GRATING MANUFACTURER'S STANDARD CONNECTION HARDWARE (SADDLE CLIP TYPE OR SIMILAR). ENGINEER SIZE AND SPACING OF CONNECTION HARDWARE USING COMPONENTS WIND PRESSURE PROVIDED IN DESIGN CRITERIA.
3.

SWAGE-LOCKED ALUMINUM BAR GRATING:
- A.

CONSTRUCTION TYPE: SWAGE-LOCKED
- B.

BEARING BAR SHAPE: I-BAR
- C.

PRIMARY MATERIAL: ALUMINUM
- D.

ALLOY, GRADE OR TYPE: ALLOY 6063-T6 (6063T6)
- E.

MATERIAL FINISH: MILL FINISH
- F.

BEARING BAR HEIGHT: 1-1/2 IN.
- G.

BEARING BAR TOP FLANGE WIDTH: 1/4 IN.
- H.

BEARING BAR VERTICAL WIDTH: 1/16 IN.
- I.

BEARING BAR BOTTOM FLANGE WIDTH: 1/4 IN.
- J.

BEARING BAR SPACING: 1-3/16 IN. ON CENTER
- K.

CLEAR SPACE BETWEEN BEARING BAR TOP FLANGES: 15/16 IN.
- L.

CLEAR SPACE BETWEEN BEARING BAR BOTTOM FLANGES: 15/16 IN.
- M.

PRODUCT SURFACE: GROOVED
- N.

BEARING BAR DIRECTION (SPAN): PARALLEL TO LENGTH OF PANEL
- O.

CROSS BAR SIZE & SHAPE: 3/8 IN. SQUARE ROD
- P.

CROSS BAR SPACING: 4 IN. ON CENTER
- Q.

PERCENT OPEN AREA: 75%
- R.

CONNECTORS: J-CLIP TYPE CONNECTORS COMPATIBLE WITH GRATING PRODUCT.
4.

STEEL PLANK
- A.

CONSTRUCTION TYPE: PLANK WITH INTEGRAL SIDE CHANNELS AND CIRCULAR DEBOSSED HOLES
- B.

PRIMARY MATERIAL: HOT-ROLLED PICKLED AND OILED STEEL
- C.

ALLOY, GRADE OR TYPE: FY = 33 KSI
- D.

MATERIAL FINISH: HOT-DIP GALVANIZED
- E.

MATERIAL THICKNESS: 11 GAUGE
- F.

SIDE CHANNEL DEPTH: 2 IN.
- G.

SIDE CHANNEL FLANGE WIDTH: 7/8 IN.
- H.

PLANK WIDTH: 7" TO 30"
- I.

PERCENT OPEN AREA: 30-40% (VARIES WITH PLANK WIDTH)
- J.

CONNECTORS: GALVANIZED STEEL J-CLIP TYPE CONNECTOR WITH CARRIAGE BOLT, WASHER AND HEX NUT ASSEMBLY COMPATIBLE WITH PLANK PRODUCT. PROVIDE MINIMUM (1) CONNECTOR AT EACH SUPPORT FOR PLANKS < 12" WIDE AND MINIMUM (2) CONNECTORS AT EACH SUPPORT FOR PLANKS ≥ 12" WIDE.
- K.

FLANGE CLIPS: GALVANIZED STEEL FLANGE CLIPS WITH SET SCREWS COMPATIBLE WITH PLANK PRODUCT. USED TO LINK ADJACENT PLANKS. PROVIDE AT 24" MINIMUM ON CENTER.
5.

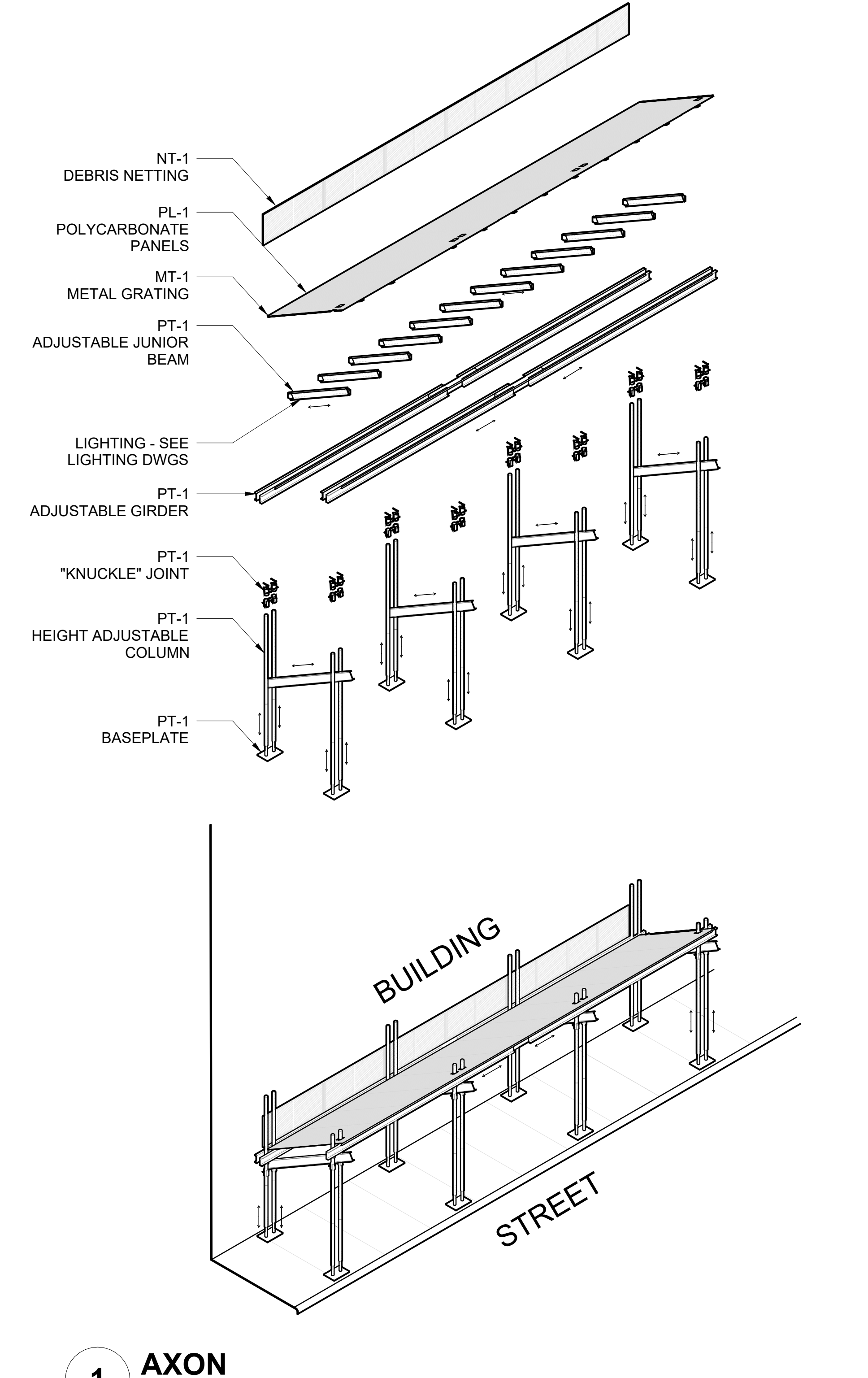
POLYCARBONATE GLAZING: THERMOFORMABLE, MONOLITHIC POLYCARBONATE SHEETS MANUFACTURED BY EXTRUSION PROCESS, WITH AN AVERAGE IMPACT STRENGTH OF 12 TO 18 FT-LB/IN OF WIDTH WHEN TESTED ACCORDING TO ASTM D 256, METHOD A (NOTCHED IZOD).
- A.

THICKNESS: 0.25IN.
- B.

SURFACE: NON-SLIP TEXTURE.
- C.

UV STABILIZED.
- D.

PEBBLE TEXTURE OR SIMILAR.



MATERIAL SCHEDULE			
TAG	MATERIAL	LOCATION	FINISH
DIVISION 01 - TEMPORARY BARRIERS & ENCLOSURES			
NT-1	DEBRIS NETTING	BUILDING SIDE PARAPETS	DEBRIS SCREEN - MAX 1/2" OPENING HDPE KNITTED MESH 70% OPEN MIN
DIVISION 05 - METALS			
MT-1	METAL GRATINGS	DECKING	BAR GRATING, SWAGE-LOCKED I-BAR GIA-150 ALUMINUM 75% OPEN AREA, TO BE PAIRED WITH PL-01
MT-1	PARAPET MESH	PARAPETS	SQUARE, HARDWARE & INDUSTRIAL CLOTH 1676, GALVANIZED STEEL, HOT DIPPED, WELDED - TRIMMED, 2 X 2 MESH (SQUARE), 0.4370" X 0.4370" OPENING, 0.063" THICK (16 GAUGE) WIRE DIAMETER.
MG-3	POST INSTALLED ANCHORS	BASEPLATES	STAINLESS STEEL WEDGE-TYPE EXPANSION ANCHORS DESIGNED IN ACCORDANCE WITH ACI 318.
DIVISION 06 - WOOD & PLASTICS			
CW-1	BASE PLATES	POST BASE PLATES	1 1/2" MAX HEIGHT NON-ORGANIC SHIMS COMPATIBLE WITH ANCHORAGE REQUIREMENTS
DIVISION 07 - THERMAL & MOISTURE PROTECTION			
PL-1	POLYCARBONATE PANELS	DECKING	POLYCARBONATE PANEL - .25" UV STABILIZED, PEBBLE TEXTURE OR SIMILAR. TO BE PAIRED WITH ALUMINUM GRATING.
PL-3	BOLT PROTECTION CAPS	CONNECTIONS	BOLT PROTECTION CAPS - LDPE BOLT PROTECTION CAPS, UV-STABILIZED, BLACK
DIVISION 09 - THERMAL & MOISTURE PROTECTION			
PT-1	PAINT FOR STRUCTURAL MEMBERS	TYP. GALVANIZED MEMBERS	TO MATCH RAL 110-M

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Pedestrian Protection Designs

BASELINE SHED

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New York City Department of Buildings

Drawing Title

GENERAL NOTES & SPECIFICATIONS

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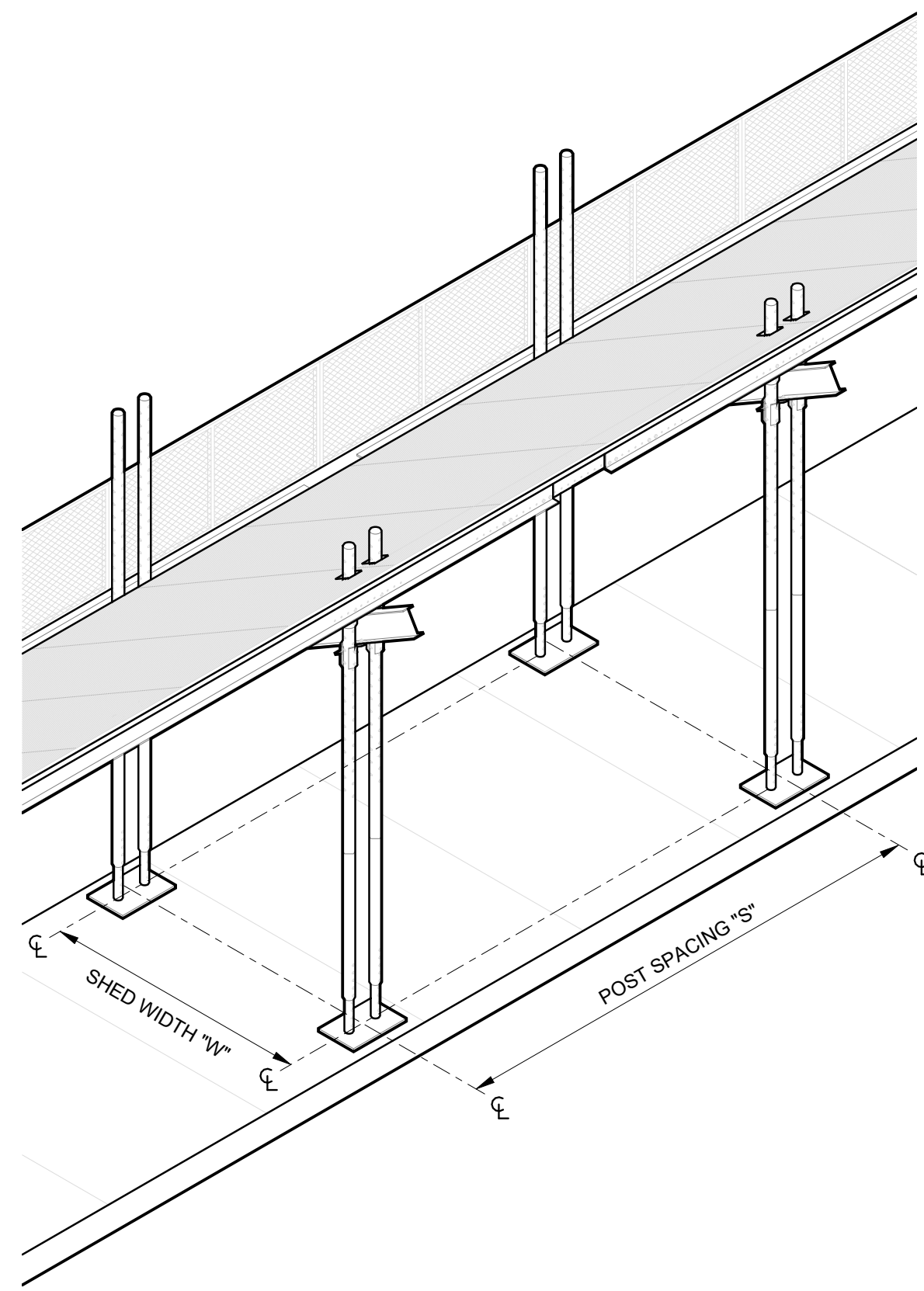
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REFERENCE DESIGN ONLY.
SITE-SPECIFIC ENGINEERING
AND COMPLIANCE WITH
APPLICABLE LAWS AND
RULES REQUIRED.

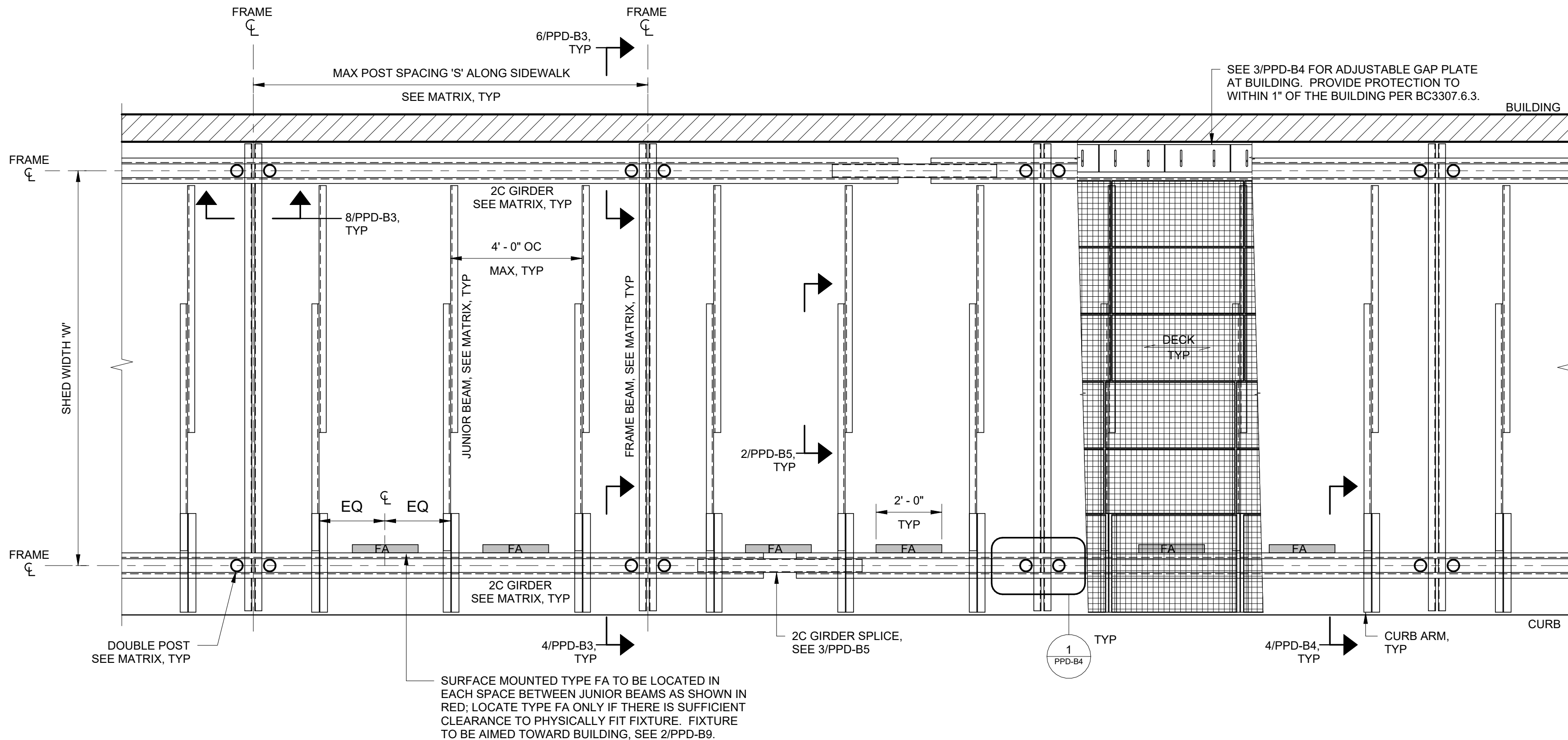
WIND EXPOSURE CATEGORY B MATRIX									
SHED WIDTH 'W'	LIVE LOAD	POST SIZE & SPACING				ORDER	FRAME BEAM	JUNIOR BEAM	
		SIZE	'S' MAX SPACING	DIAGRAM	POST GROUP REACTIONS CURB SIDE BUILDING SIDE				
	150 PSF (EIGHTH LIGHT DUTY)	(2) 3 STD PIPE	11'		$P_{100} = 7.0 \text{ KIPS}$ $T_c = 1.1 \text{ KIPS}$ $V_{100} = 1.0 \text{ KIPS}$ $V_{101} = 5.0 \text{ KIPS}$	2C10x15.3	2C10x15.3	C8x11.5	
		(2) 4 STD PIPE	22'		$P_{100} = 14.2 \text{ KIPS}$ $T_c = 3.0 \text{ KIPS}$ $V_{100} = 1.0 \text{ KIPS}$ $V_{101} = 4.4 \text{ KIPS}$				
		(2) HSS3.5x3.5x1/16			$P_{100} = 14.2 \text{ KIPS}$ $T_c = 3.0 \text{ KIPS}$ $V_{100} = 1.0 \text{ KIPS}$ $V_{101} = 4.4 \text{ KIPS}$				
	150 PSF (LIGHT DUTY)	(2) 3 STD PIPE	9'		$P_{100} = 8.6 \text{ KIPS}$ $T_c = 1.1 \text{ KIPS}$ $V_{100} = 1.0 \text{ KIPS}$ $V_{101} = 5.0 \text{ KIPS}$	2C10x15.3	2C10x15.3	C8x11.5	
		(2) 4 STD PIPE	20'		$P_{100} = 17.0 \text{ KIPS}$ $T_c = 3.0 \text{ KIPS}$ $V_{100} = 1.0 \text{ KIPS}$ $V_{101} = 4.5 \text{ KIPS}$				
		(2) HSS3.5x3.5x1/16			$P_{100} = 17.0 \text{ KIPS}$ $T_c = 3.0 \text{ KIPS}$ $V_{100} = 1.0 \text{ KIPS}$ $V_{101} = 4.5 \text{ KIPS}$				
	300 PSF (HEAVY DUTY)	(2) 4 STD PIPE	16'		$P_{100} = 22.8 \text{ KIPS}$ $T_c = 2.0 \text{ KIPS}$ $V_{100} = 1.0 \text{ KIPS}$ $V_{101} = 4.6 \text{ KIPS}$	2C10x20	2C10x15.3	MC8x18.7	
		(2) HSS3.5x3.5x1/16			$P_{100} = 22.8 \text{ KIPS}$ $T_c = 2.0 \text{ KIPS}$ $V_{100} = 1.0 \text{ KIPS}$ $V_{101} = 4.6 \text{ KIPS}$				
		(2) HSS3.5x3.5x1/16			$P_{100} = 22.8 \text{ KIPS}$ $T_c = 2.0 \text{ KIPS}$ $V_{100} = 1.0 \text{ KIPS}$ $V_{101} = 4.6 \text{ KIPS}$				

WIND EXPOSURE CATEGORY C MATRIX									
SHED WIDTH 'W'	LIVE LOAD	POST SIZE & SPACING				ORDER	FRAME BEAM	JUNIOR BEAM	
		SIZE	'S' MAX SPACING	DIAGRAM	POST GROUP REACTIONS CURB SIDE BUILDING SIDE				
	150 PSF (EIGHTH LIGHT DUTY)	(2) 3 STD PIPE	8'		$P_{100} = 6.2 \text{ KIPS}$ $T_c = 1.5 \text{ KIPS}$ $V_{100} = 1.0 \text{ KIPS}$ $V_{101} = 5.0 \text{ KIPS}$	2C10x15.3	2C10x15.3	C8x11.5	
		(2) 4 STD PIPE	16'		$P_{100} = 11.4 \text{ KIPS}$ $T_c = 3.6 \text{ KIPS}$ $V_{100} = 1.0 \text{ KIPS}$ $V_{101} = 4.3 \text{ KIPS}$				
		(2) HSS3.5x3.5x1/16			$P_{100} = 11.4 \text{ KIPS}$ $T_c = 3.6 \text{ KIPS}$ $V_{100} = 1.0 \text{ KIPS}$ $V_{101} = 4.3 \text{ KIPS}$				
	150 PSF (LIGHT DUTY)	(2) 4 STD PIPE	16'		$P_{100} = 14.5 \text{ KIPS}$ $T_c = 3.6 \text{ KIPS}$ $V_{100} = 1.0 \text{ KIPS}$ $V_{101} = 4.3 \text{ KIPS}$	2C10x15.3	2C10x15.3	C8x11.5	
		(2) HSS3.5x3.5x1/16			$P_{100} = 14.5 \text{ KIPS}$ $T_c = 3.6 \text{ KIPS}$ $V_{100} = 1.0 \text{ KIPS}$ $V_{101} = 4.3 \text{ KIPS}$				
		(2) HSS3.5x3.5x1/16			$P_{100} = 14.5 \text{ KIPS}$ $T_c = 3.6 \text{ KIPS}$ $V_{100} = 1.0 \text{ KIPS}$ $V_{101} = 4.3 \text{ KIPS}$				
	300 PSF (HEAVY DUTY)	(2) 4 STD PIPE	14'		$P_{100} = 20.8 \text{ KIPS}$ $T_c = 3.0 \text{ KIPS}$ $V_{100} = 1.0 \text{ KIPS}$ $V_{101} = 4.4 \text{ KIPS}$	2C10x20	2C10x20	MC8x22.8	
		(2) HSS3.5x3.5x1/16			$P_{100} = 20.8 \text{ KIPS}$ $T_c = 3.0 \text{ KIPS}$ $V_{100} = 1.0 \text{ KIPS}$ $V_{101} = 4.4 \text{ KIPS}$				
		(2) HSS3.5x3.5x1/16			$P_{100} = 20.8 \text{ KIPS}$ $T_c = 3.0 \text{ KIPS}$ $V_{100} = 1.0 \text{ KIPS}$ $V_{101} = 4.4 \text{ KIPS}$				

WIND EXPOSURE CATEGORY D MATRIX									
SHED WIDTH 'W'	LIVE LOAD	POST SIZE & SPACING				ORDER	FRAME BEAM	JUNIOR BEAM	
		SIZE	'S' MAX SPACING	DIAGRAM	POST GROUP REACTIONS CURB SIDE BUILDING SIDE				
	150 PSF (EIGHTH LIGHT DUTY)	na							
		(2) 4 STD PIPE	14'		$P_{100} = 10.5 \text{ KIPS}$ $T_c = 4.1 \text{ KIPS}$ $V_{100} = 1.0 \text{ KIPS}$ $V_{101} = 4.3 \text{ KIPS}$	2C10x15.3	2C10x15.3	C8x11.5	
		(2) HSS3.5x3.5x1/16			$P_{100} = 10.5 \text{ KIPS}$ $T_c = 4.1 \text{ KIPS}$ $V_{100} = 1.0 \text{ KIPS}$ $V_{101} = 4.3 \text{ KIPS}$				
	150 PSF (LIGHT DUTY)	na							
		(2) 4 STD PIPE	12'		$P_{100} = 13.1 \text{ KIPS}$ $T_c = 4.1 \text{ KIPS}$ $V_{100} = 1.0 \text{ KIPS}$ $V_{101} = 4.3 \text{ KIPS}$	2C10x15.3	2C10x15.3	MC8x18.7	
		(2) HSS3.5x3.5x1/16			$P_{100} = 13.1 \text{ KIPS}$ $T_c = 4.1 \text{ KIPS}$ $V_{100} = 1.0 \text{ KIPS}$ $V_{101} = 4.3 \text{ KIPS}$				
	300 PSF (HEAVY DUTY)	(2) 4 STD PIPE	10'		$P_{100} = 16.6 \text{ KIPS}$ $T_c = 4.4 \text{ KIPS}$ $V_{100} = 1.0 \text{ KIPS}$ $V_{101} = 2.8 \text{ KIPS}$	2C10x20	2C10x20	MC8x22.8	
		(2) HSS3.5x3.5x1/16			$P_{100} = 16.6 \text{ KIPS}$ $T_c = 4.4 \text{ KIPS}$ $V_{100} = 1.0 \text{ KIPS}$ $V_{101} = 2.8 \text{ KIPS}$				
		(2) HSS3.5x3.5x1/16			$P_{100} = 16.6 \text{ KIPS}$ $T_c = 4.4 \text{ KIPS}$ $V_{100} = 1.0 \text{ KIPS}$ $V_{101} = 2.8 \text{ KIPS}$				



3 STRUCTURAL MATRICES

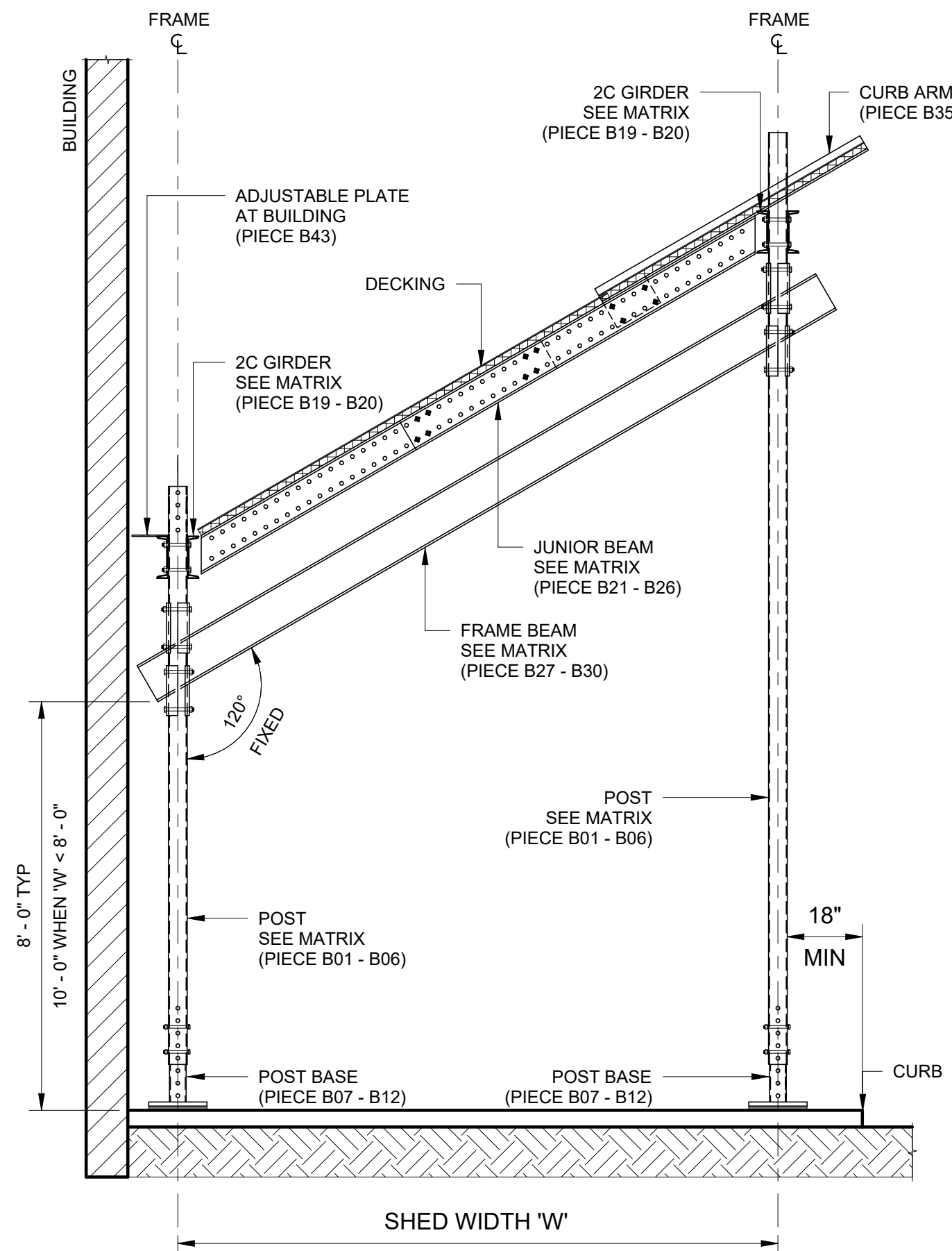


2 TYPICAL PLAN

3/8" = 1'-0"

4 ENLARGED BAY AXON

N.T.S.



1 TYPICAL SECTION

3/8" = 1'-0"

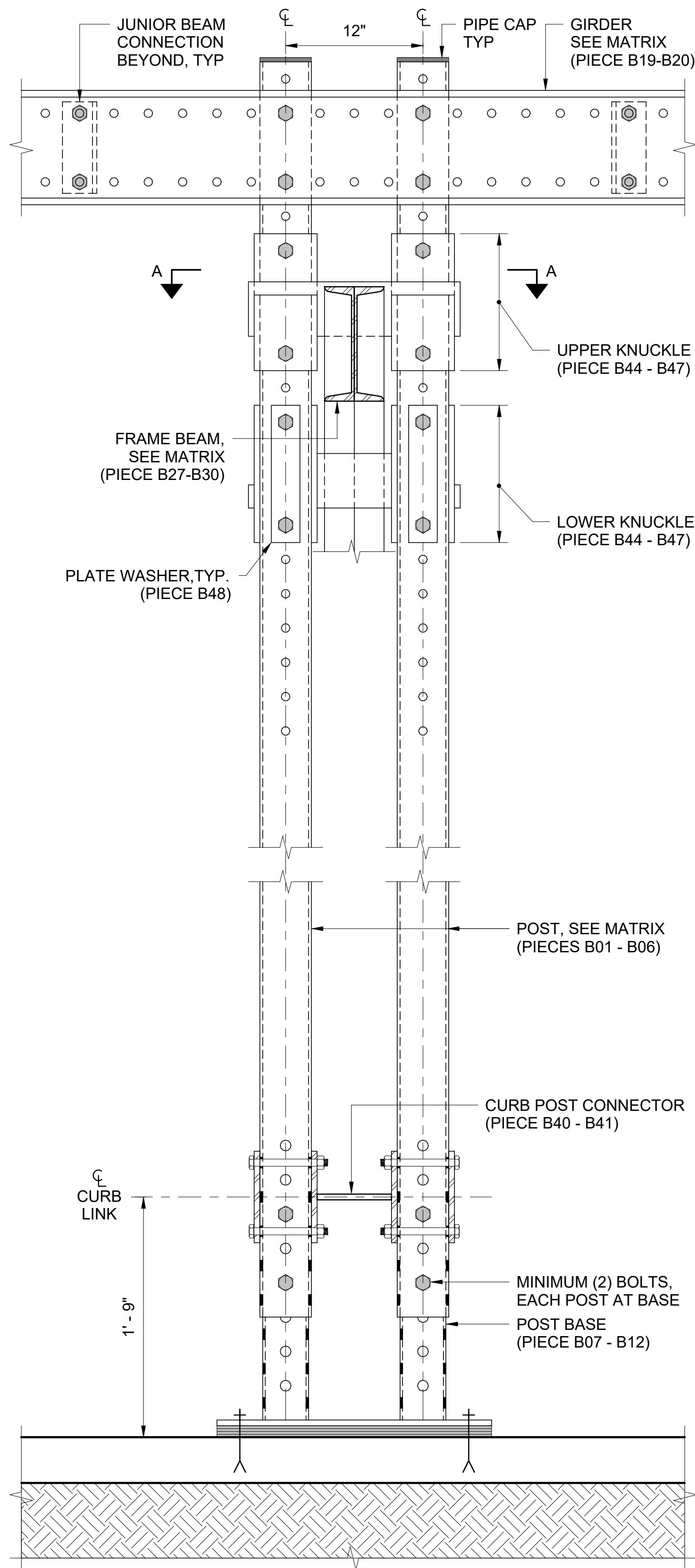
Pedestrian Protection Designs

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Drawing Title
TYPICAL PLAN, SECTION & MATRIX

Drawing Number:

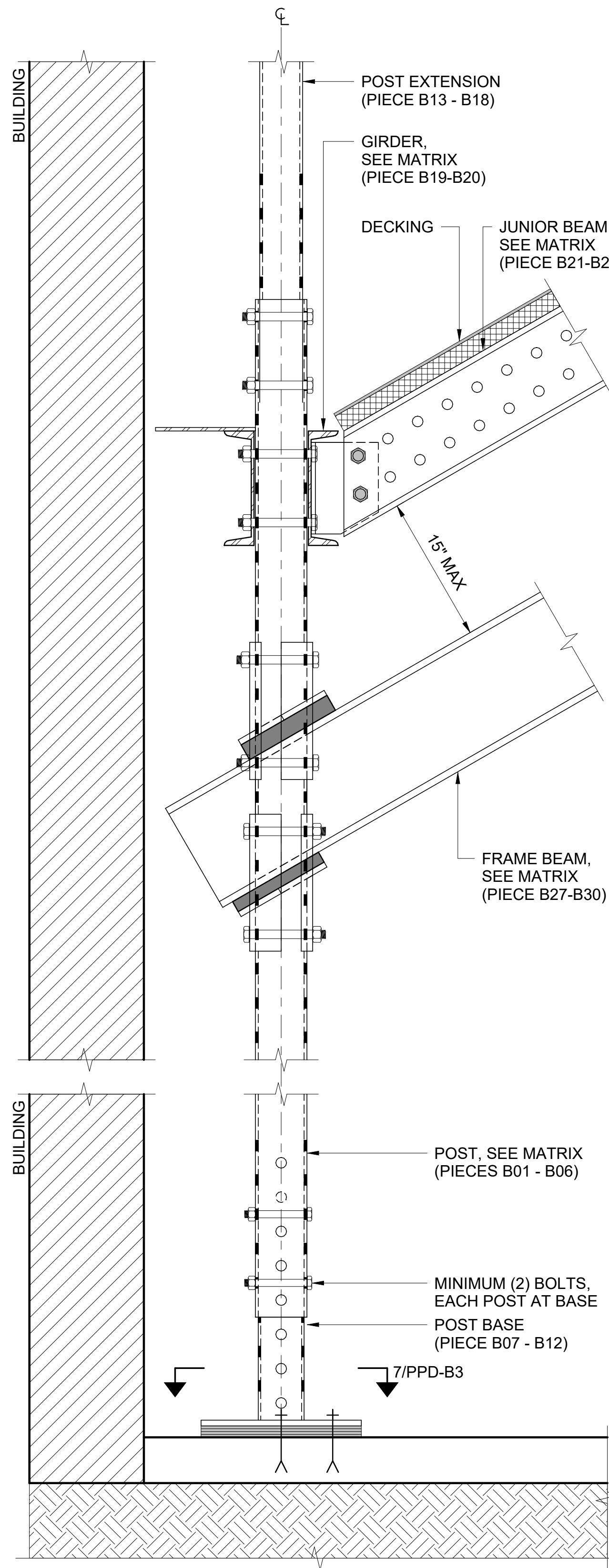
PPD-B2



5

SECTION ALONG CURB

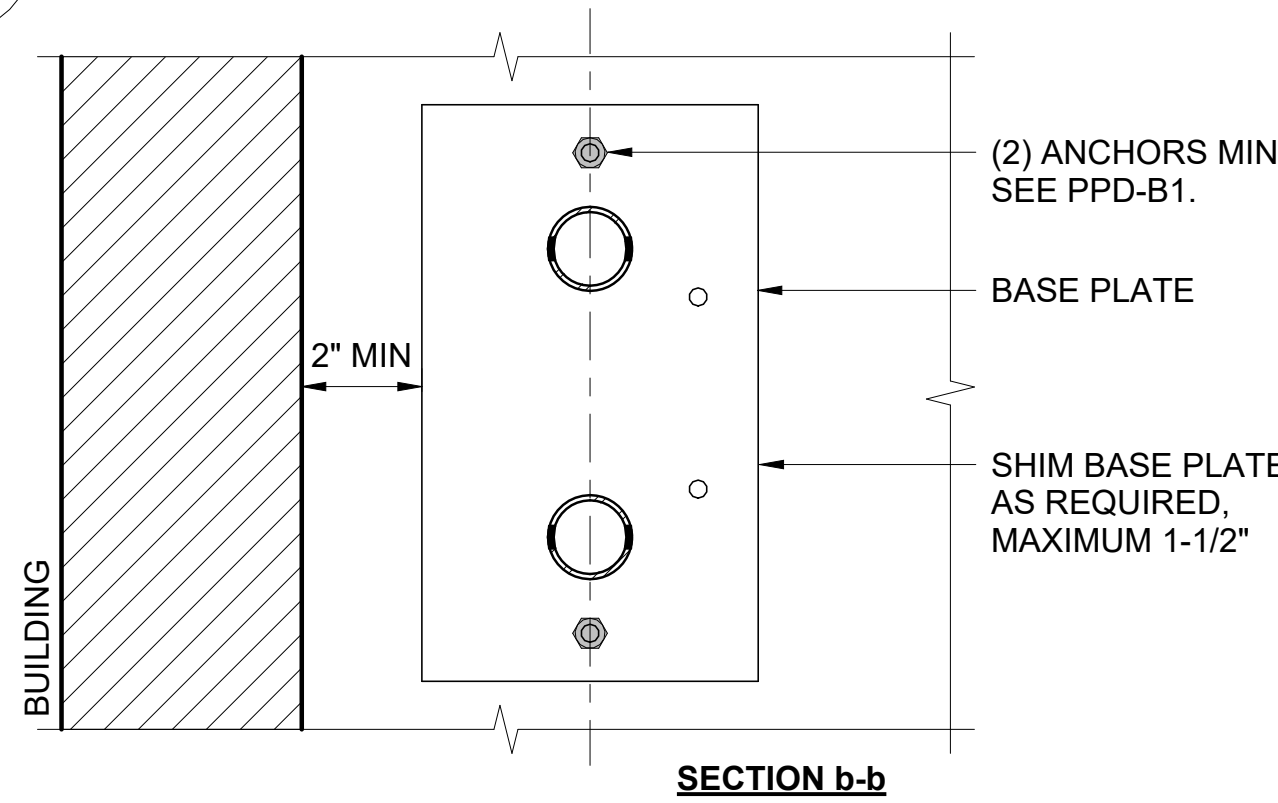
1 1/2" = 1'-0"



6

SECTION AT BUILDING

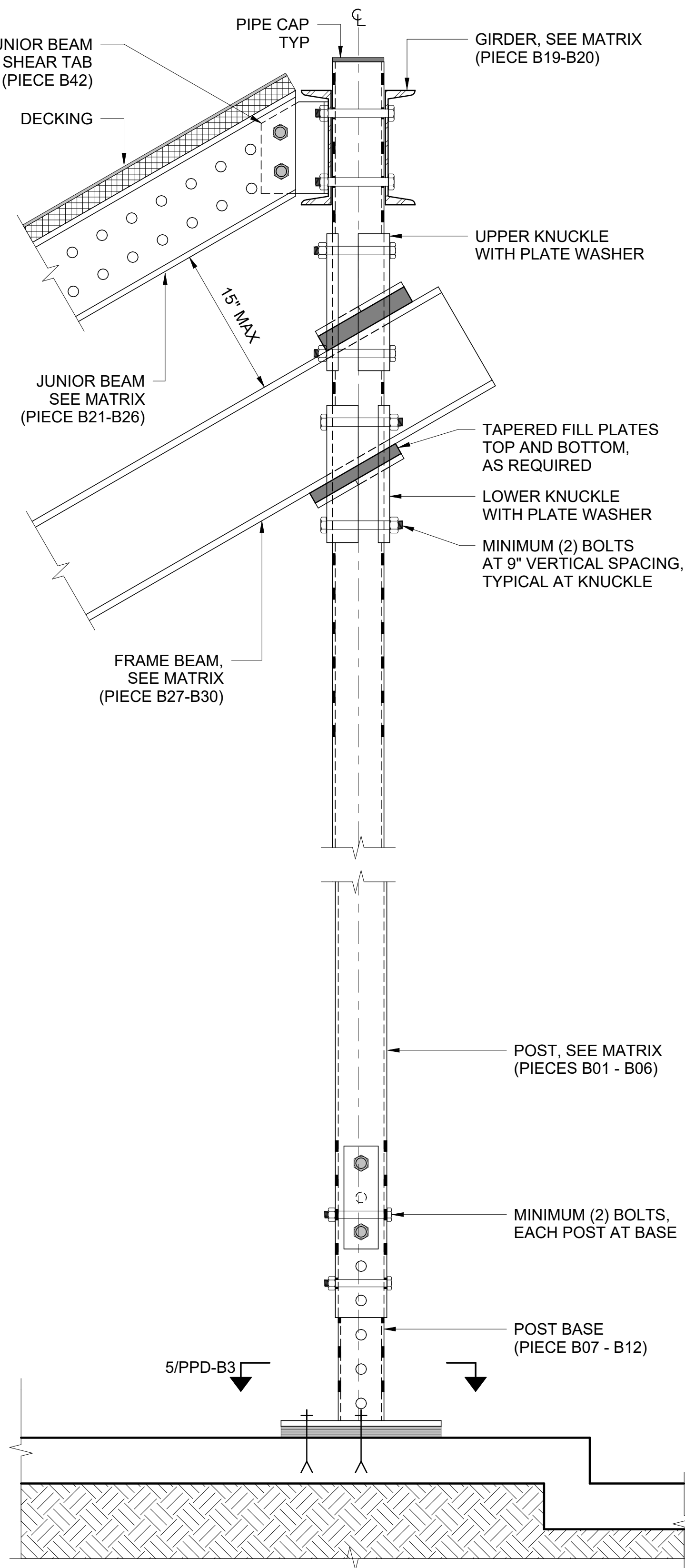
1 1/2" = 1'-0"



4

POST BASE AT BUILDING - PLAN

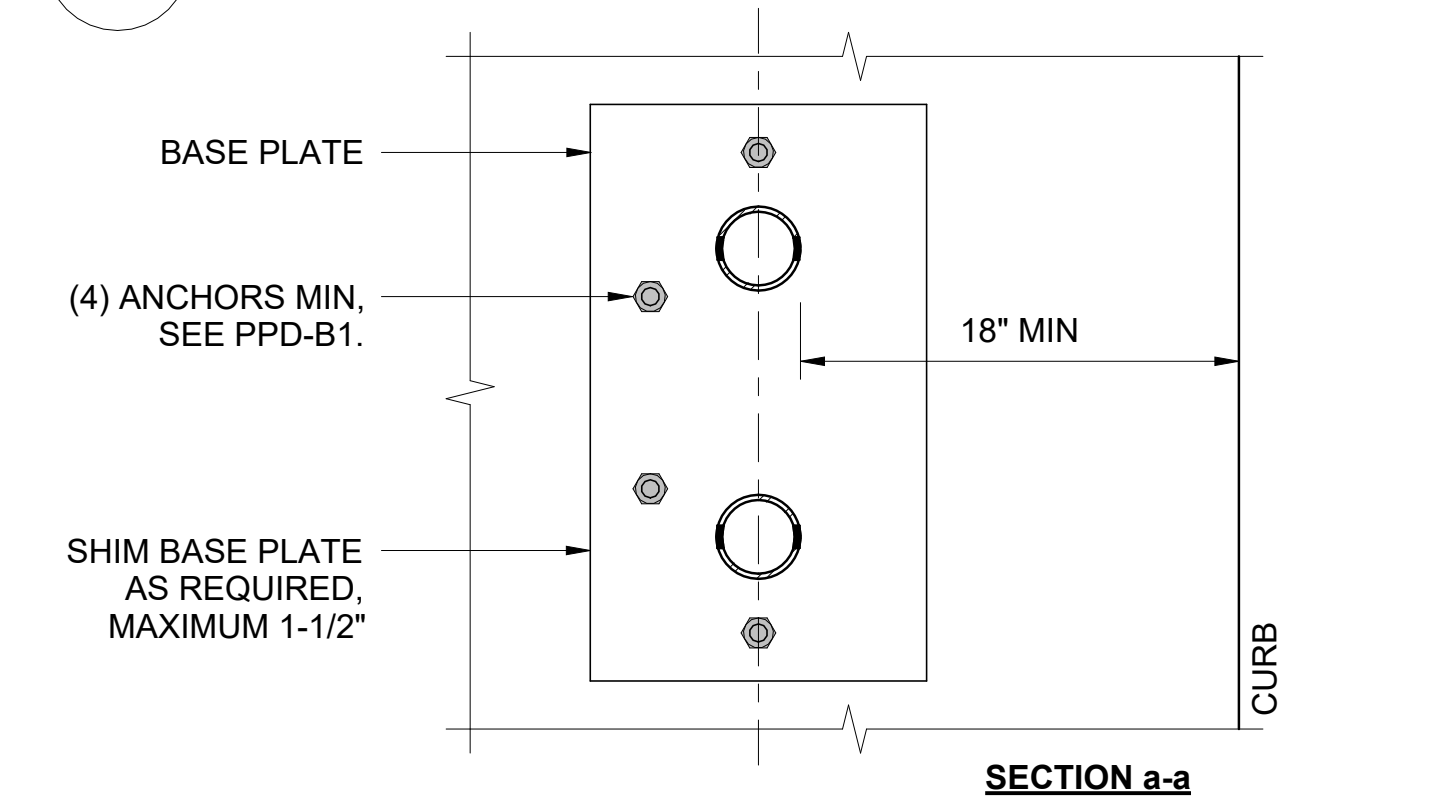
1 1/2" = 1'-0"



7

SECTION AT CURB

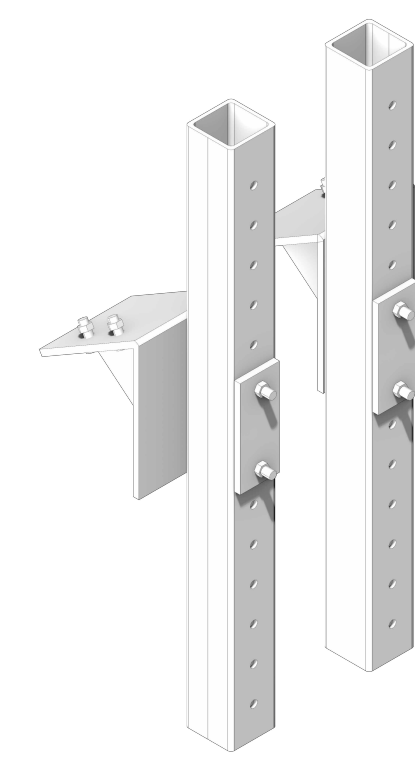
1 1/2" = 1'-0"



3

POST BASE AT CURB - PLAN

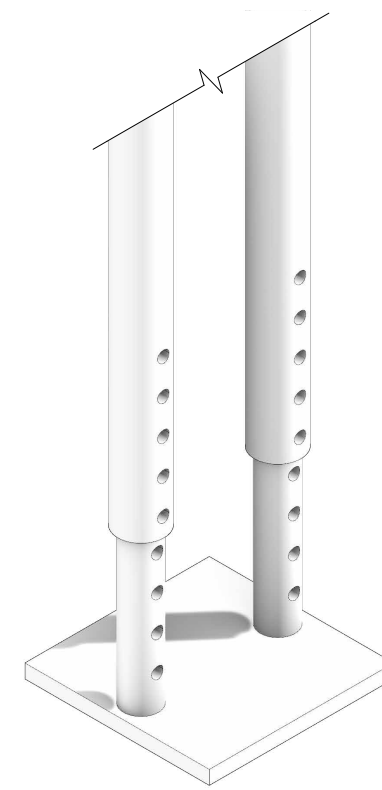
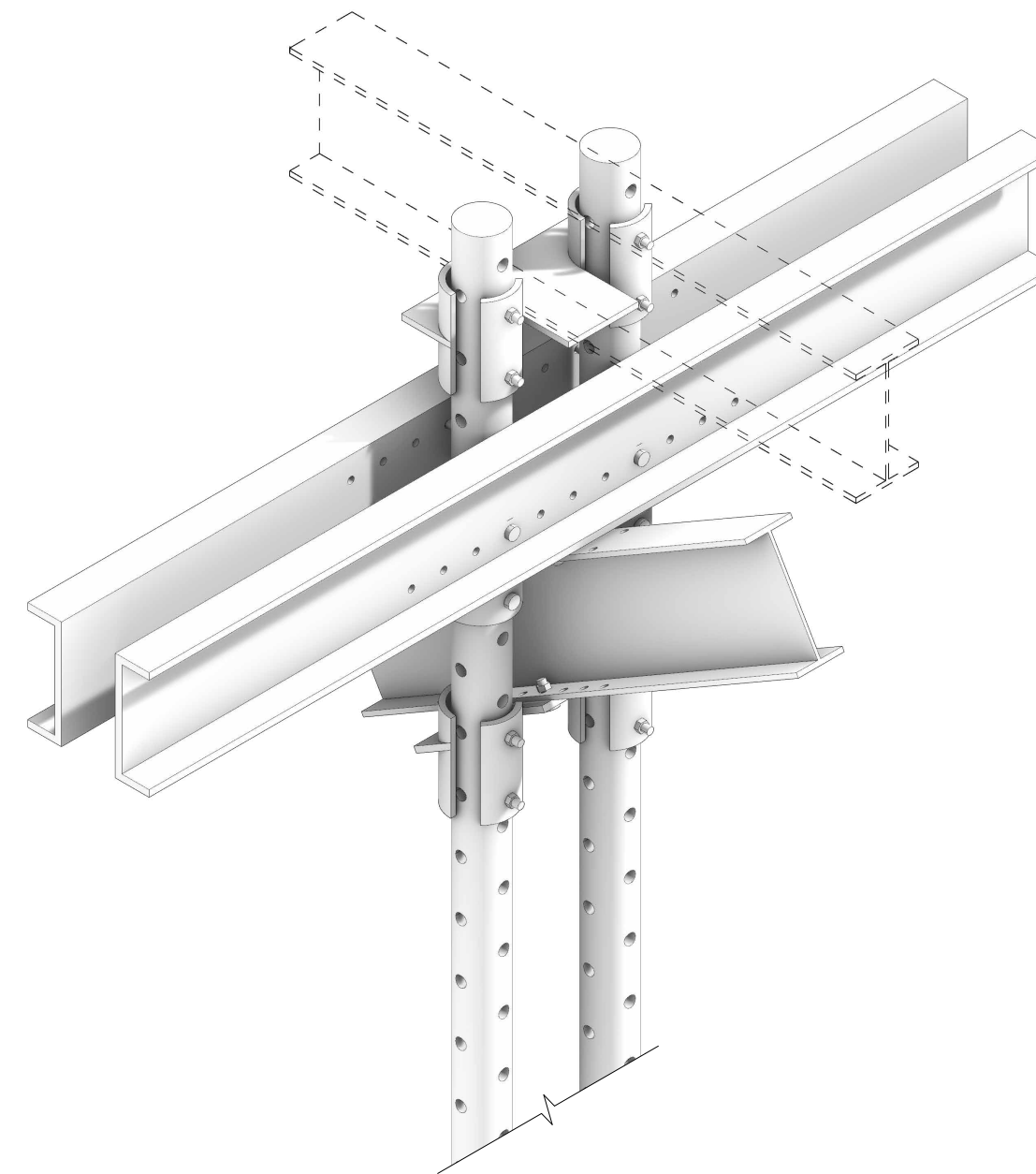
1 1/2" = 1'-0"



2

ALT HSS KNUCKLE DETAIL

N.T.S.



1

KNUCKLE CONNECTION AXON

N.T.S.

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NO.	DESCRIPTION	DATE
1	FOR CAPA REVIEW	06.25.2026

Pedestrian Protection Designs

BASELINE SHED

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Drawing Title
TYPICAL DETAILS

Drawing Number:

PPD-B3

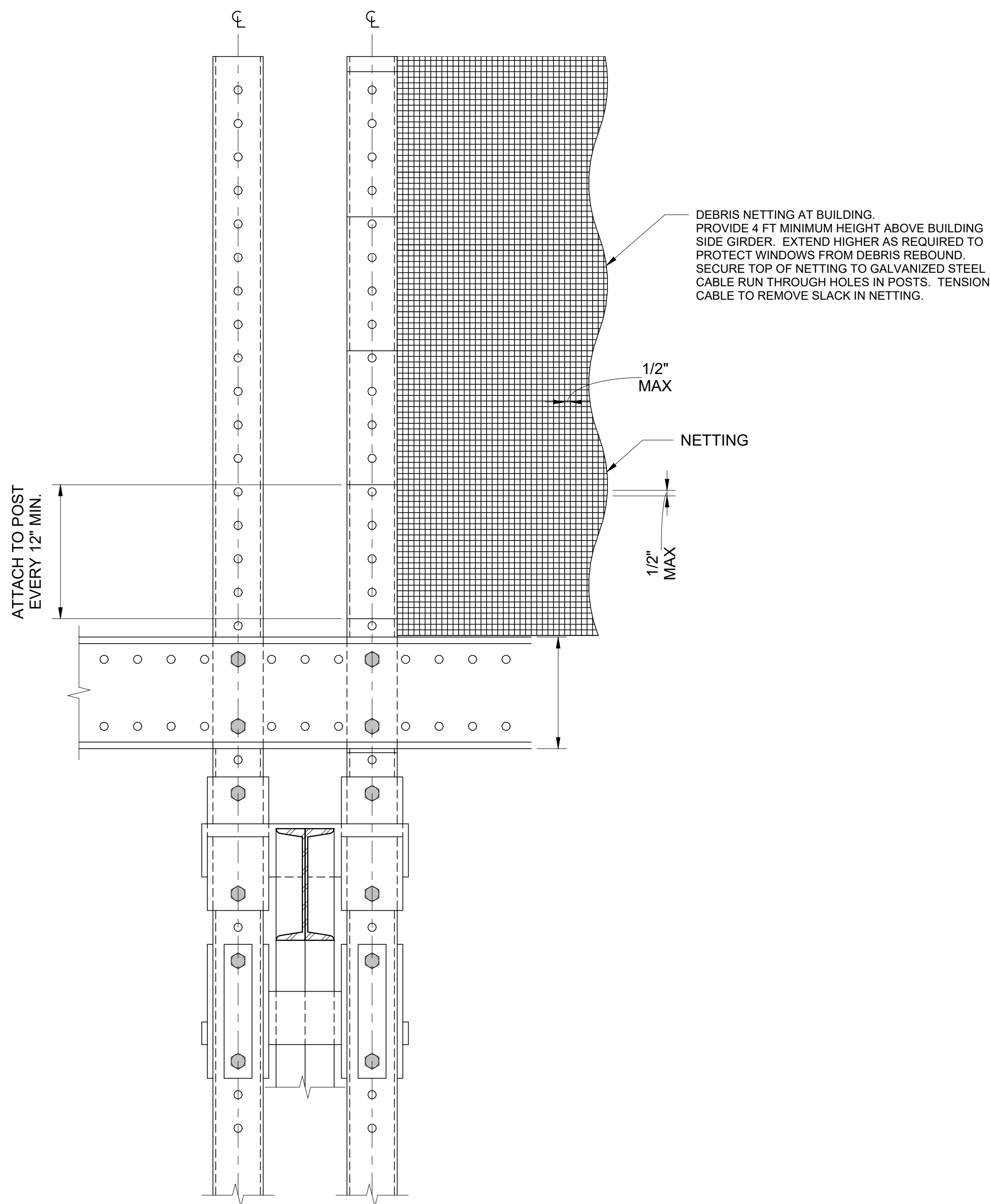
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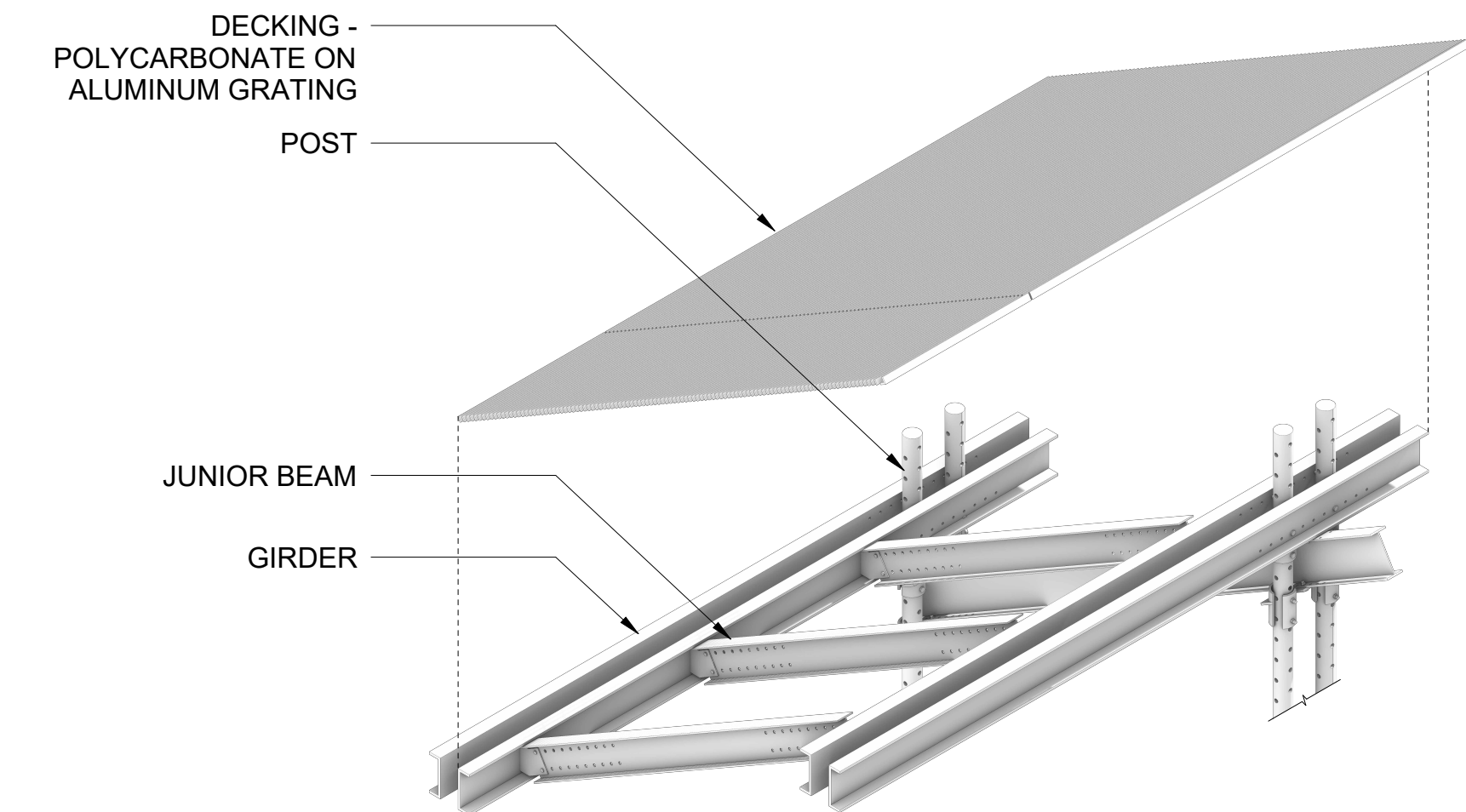
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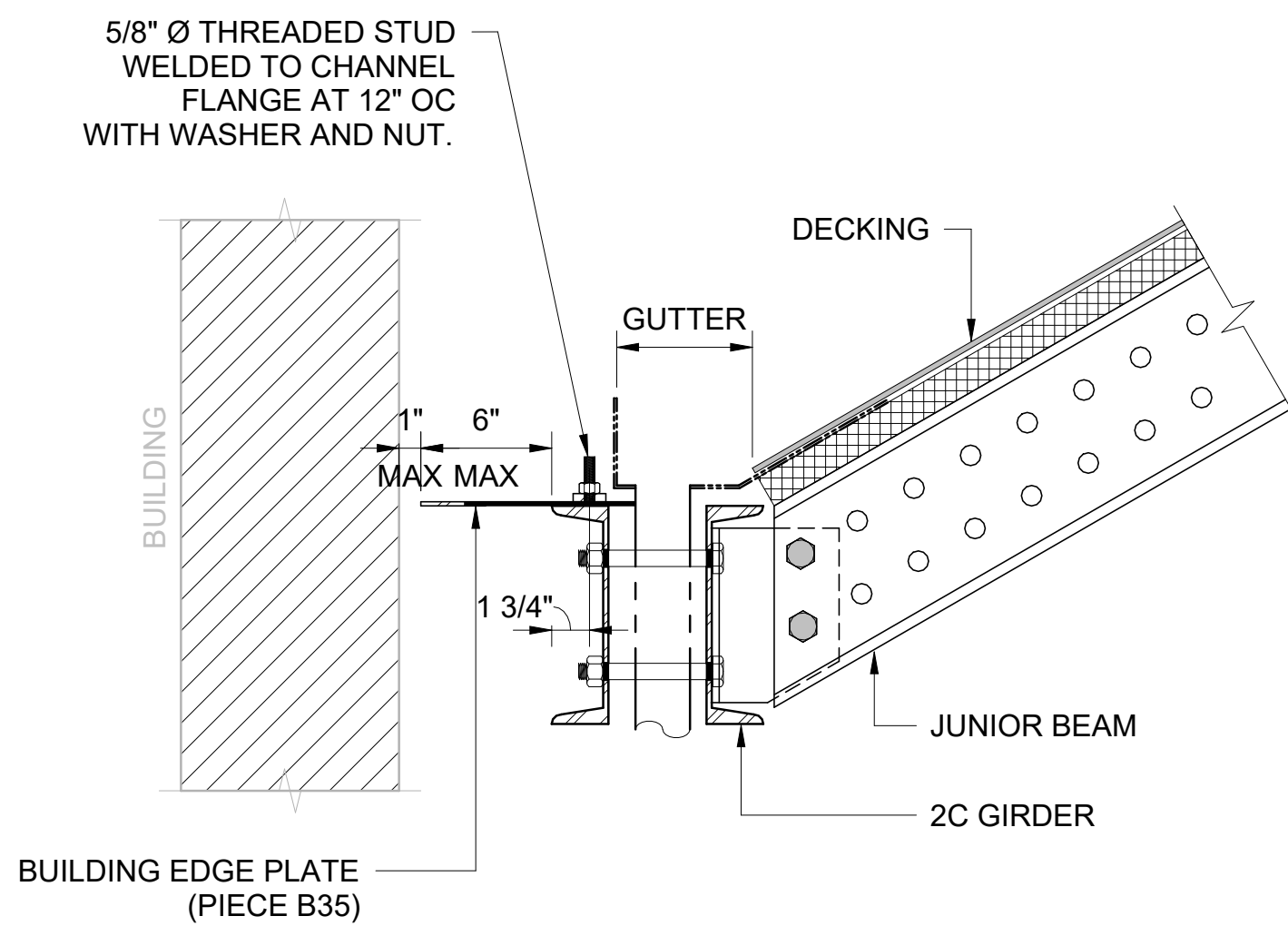
NO.	DESCRIPTION	DATE
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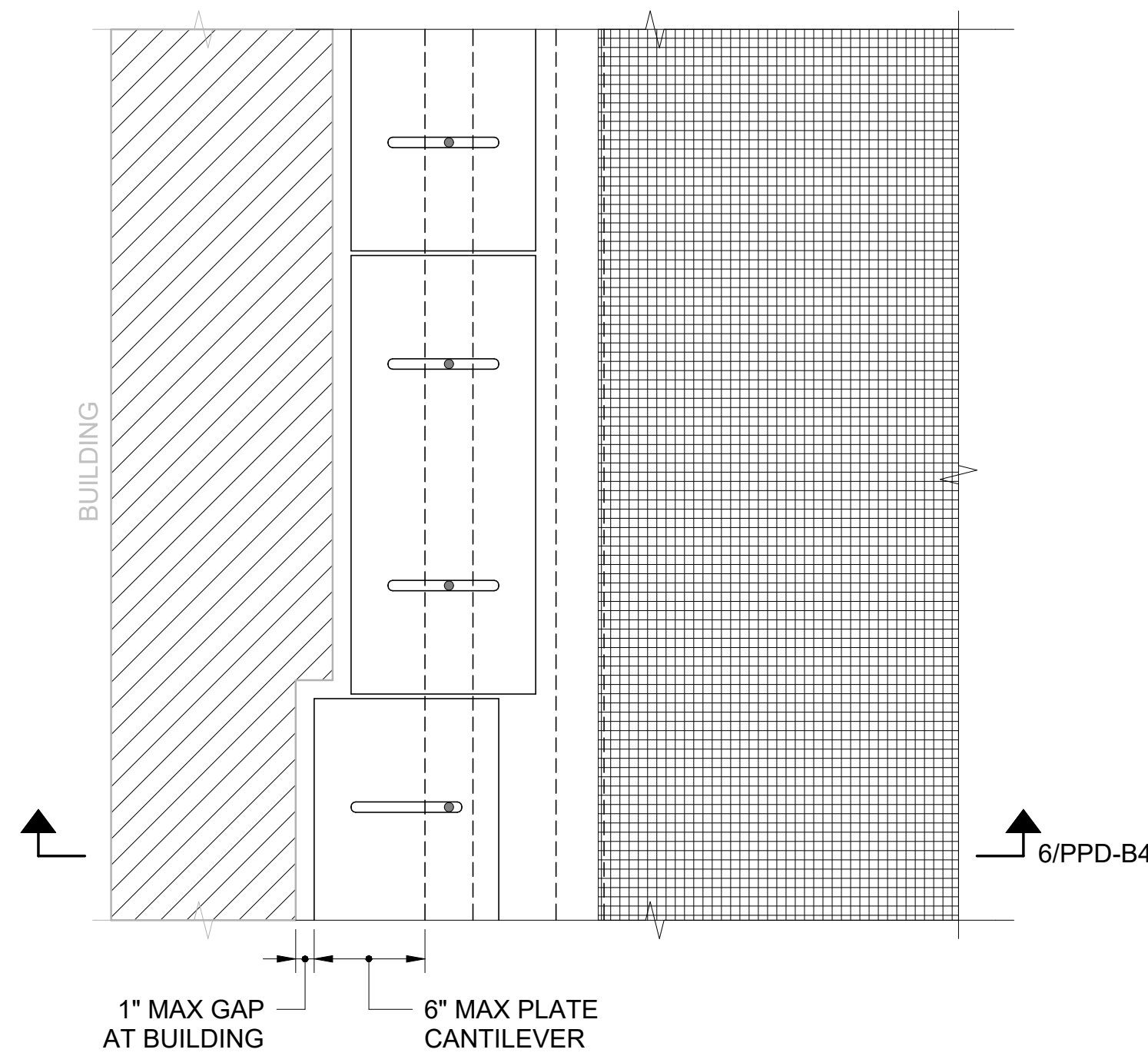
04 DEBRIS SCREEN AT BUILDING SIDE
1 1/2" = 1'-0"



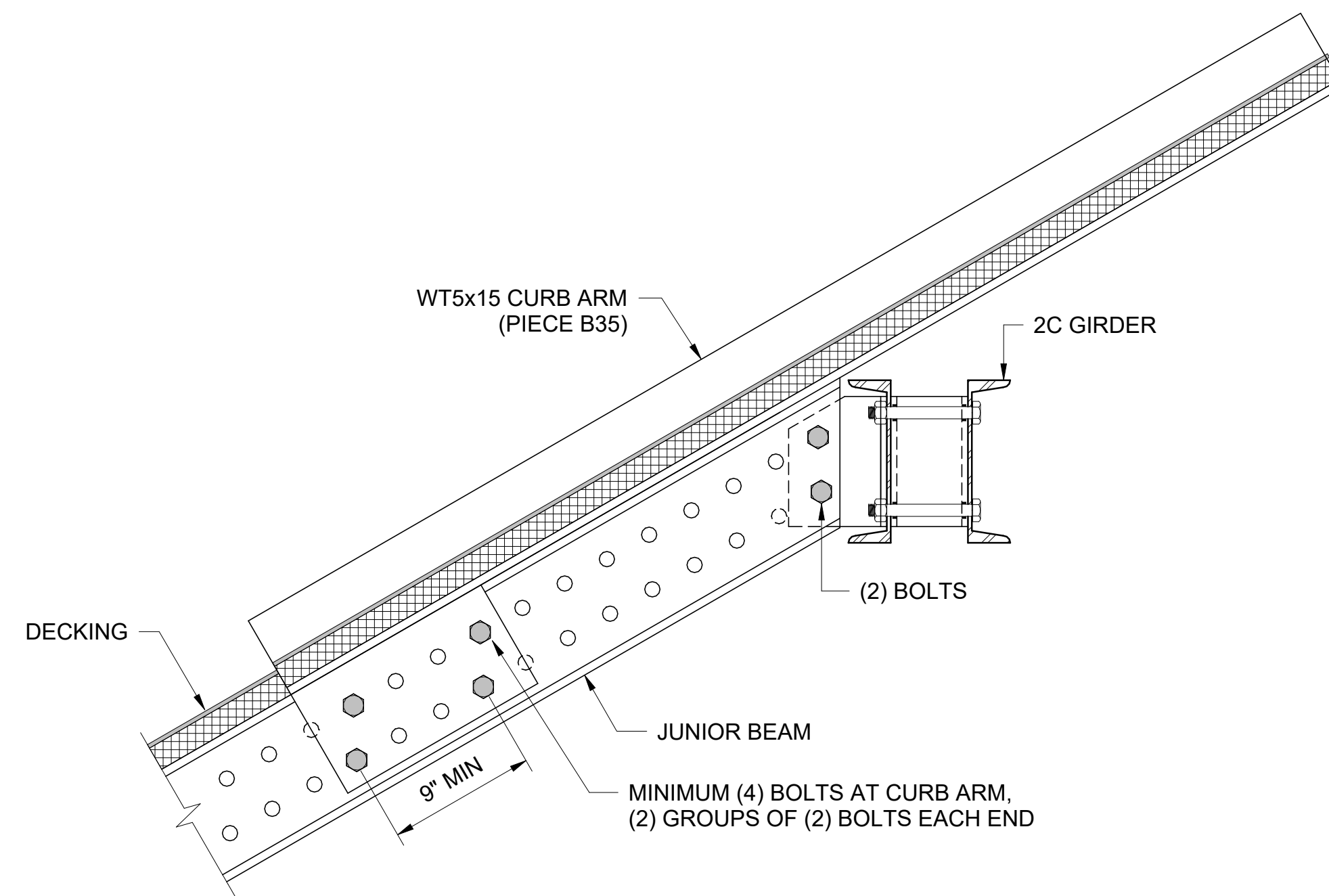
3 GRATING DETAIL AXON



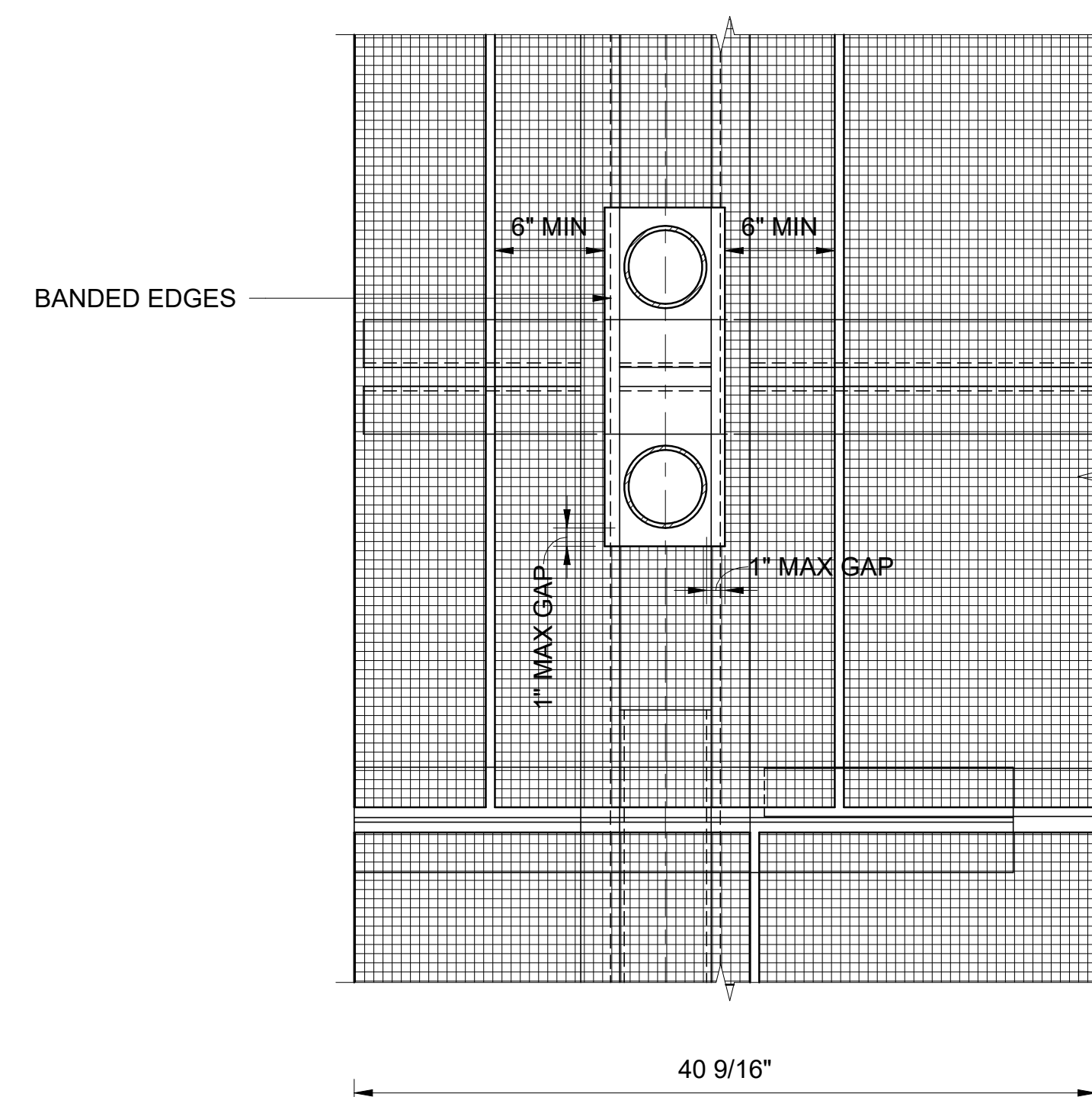
5 ADJUSTABLE GAP PLATE AT BUILDING - SECTION
1 1/2" = 1'-0"



2 ADJUSTABLE GAP PLATE AT BUILDING - PLAN
1 1/2" = 1'-0"



6 ADJUSTABLE CURB ARM - SECTION
1 1/2" = 1'-0"



1 TYPICAL DECKING AT POSTS
1 1/2" = 1'-0"

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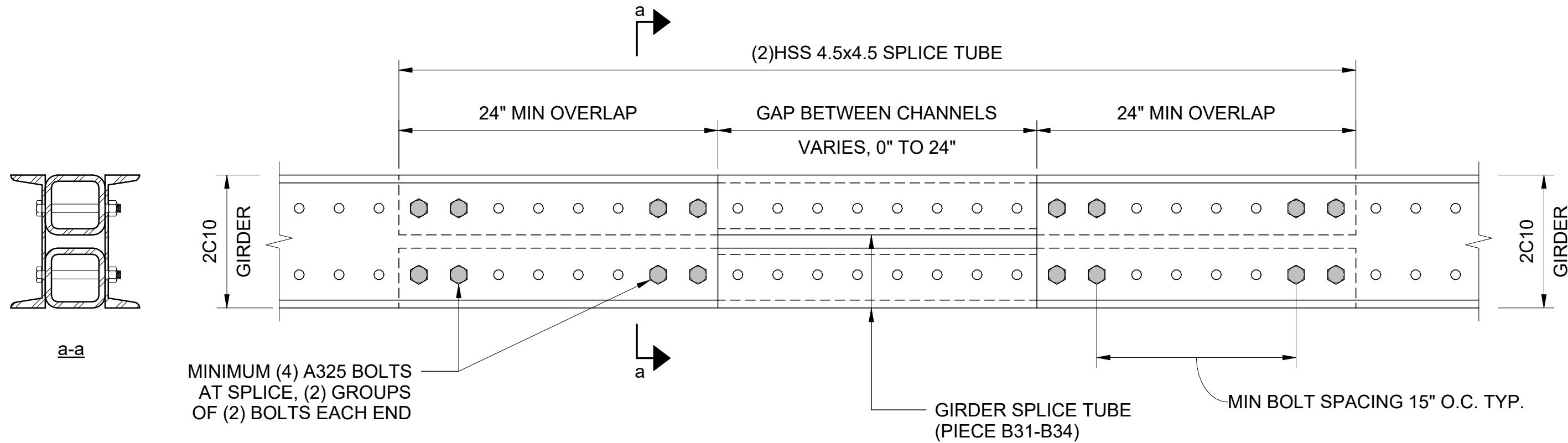
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NO.	DESCRIPTION	DATE
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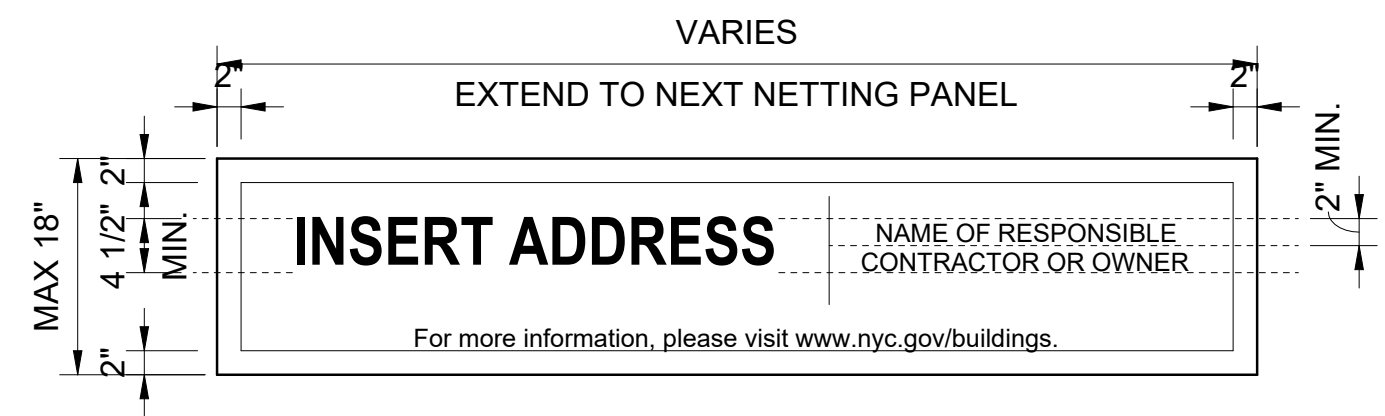
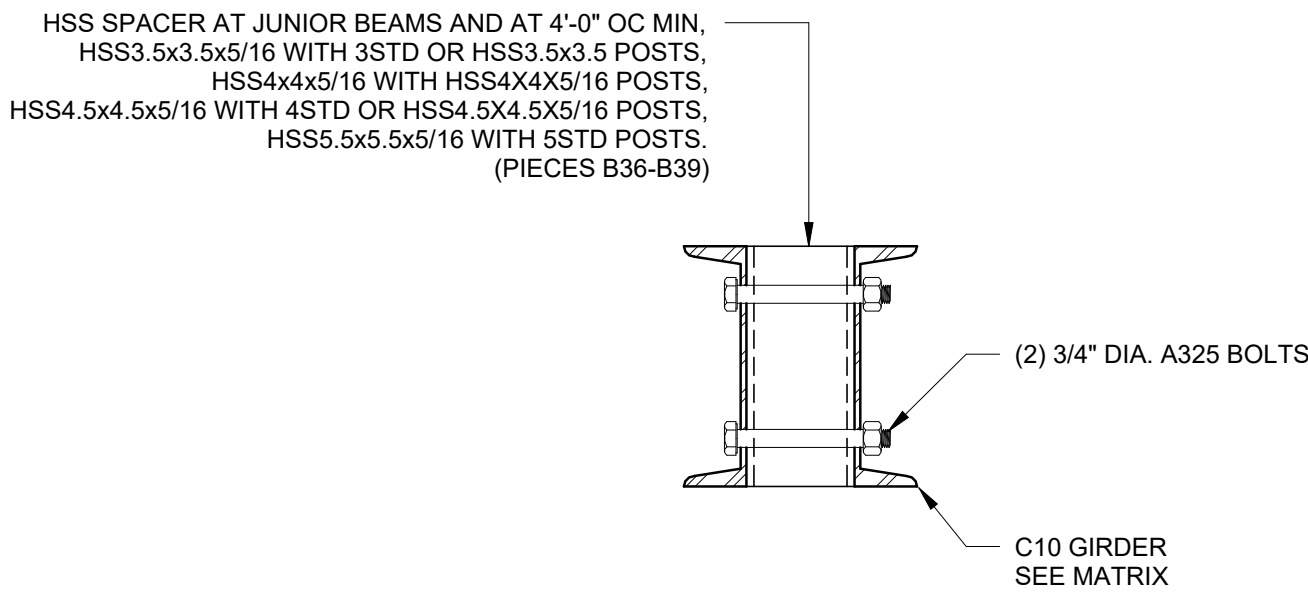
8 GIRDER ADJUSTABILITY

N.T.S.



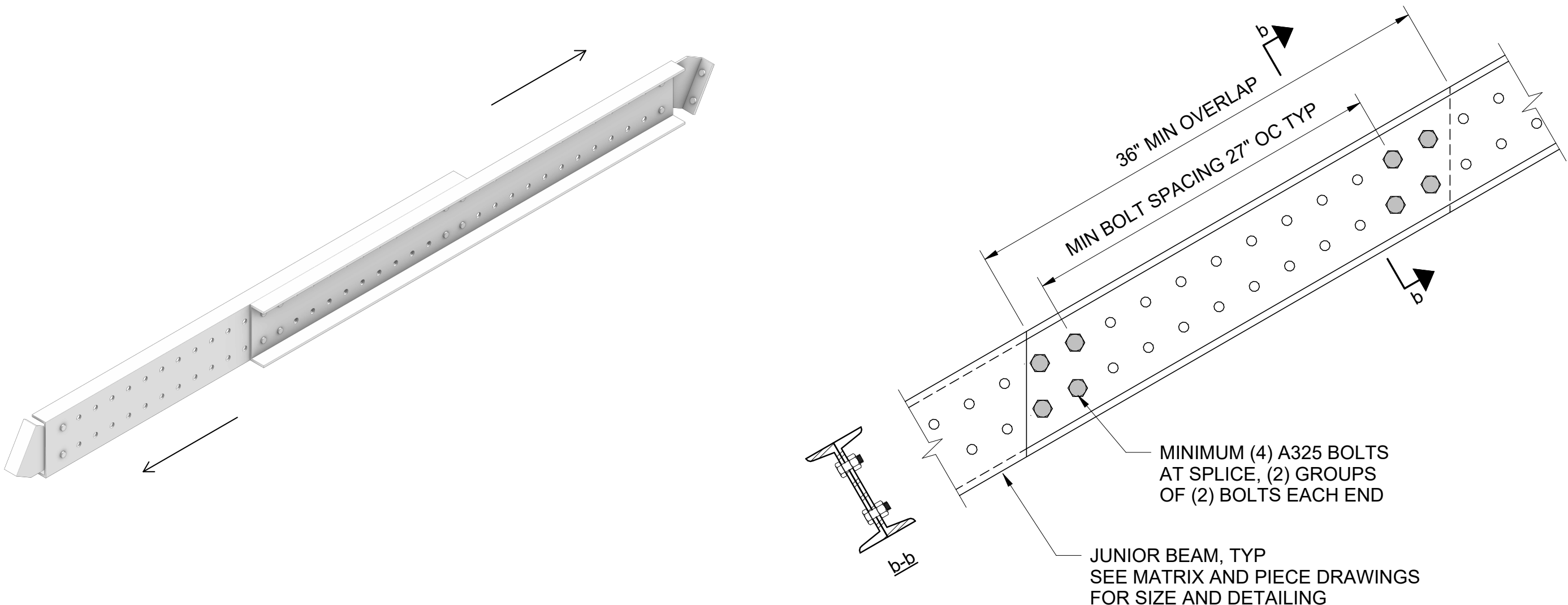
9 RENDERINGS

N.T.S.



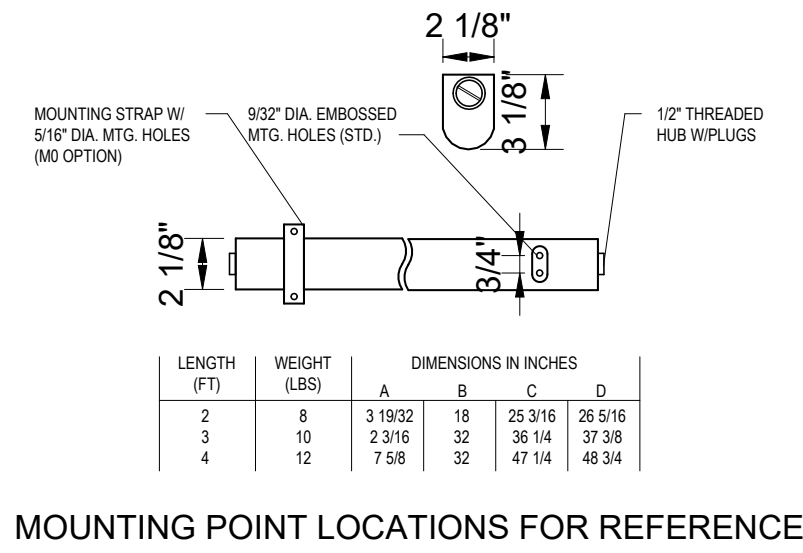
5 2C10 GIRDER ADJUSTABILITY

1 1/2" = 1'-0"



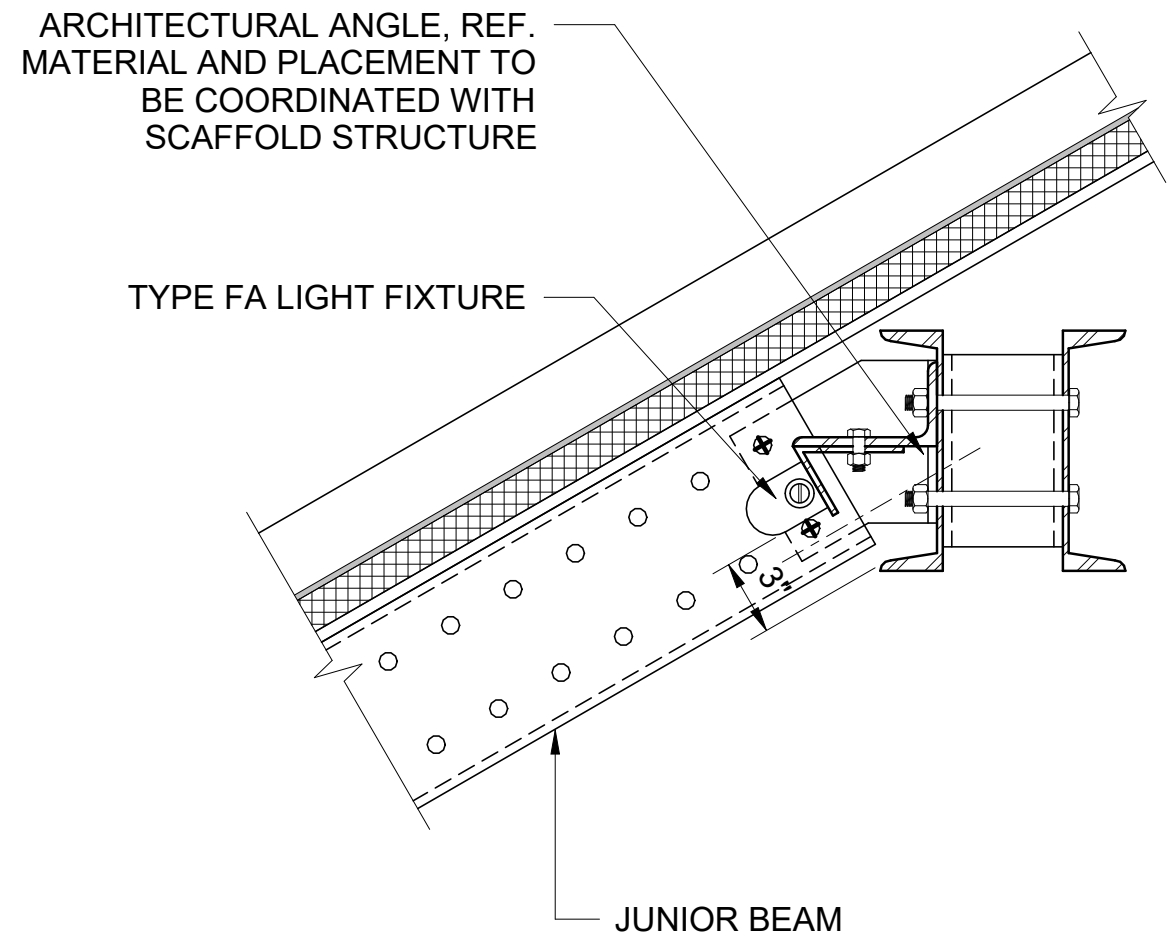
6 2C GIRDER SPACER

1 1/2" = 1'-0"



7 BASELINE SHED SIGNAGE

3/4" = 1'-0"



4 JUNIOR BEAM ADJUSTABILITY

N.T.S.

3 JUNIOR BEAM ADJUSTABILITY

1 1/2" = 1'-0"

2 LIGHTING MOUNTING.

1 1/2" = 1'-0"

1 INTEGRATED BEAM LIGHTING

1 1/2" = 1'-0"

Pedestrian Protection Designs

BASELINE SHED

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New York City Department of Buildings

Drawing Title
TYPICAL DETAILS

Drawing Number:

PPD-B5

Note

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1	FOR CAPA REVIEW	06.25.2026



NOTE: BASELINE SHED WITH SCAFFOLDING ABOVE - RENDERED PERSPECTIVE



NOTE: BASELINE SHED WITH SCAFFOLDING ABOVE - RENDERED ELEVATION

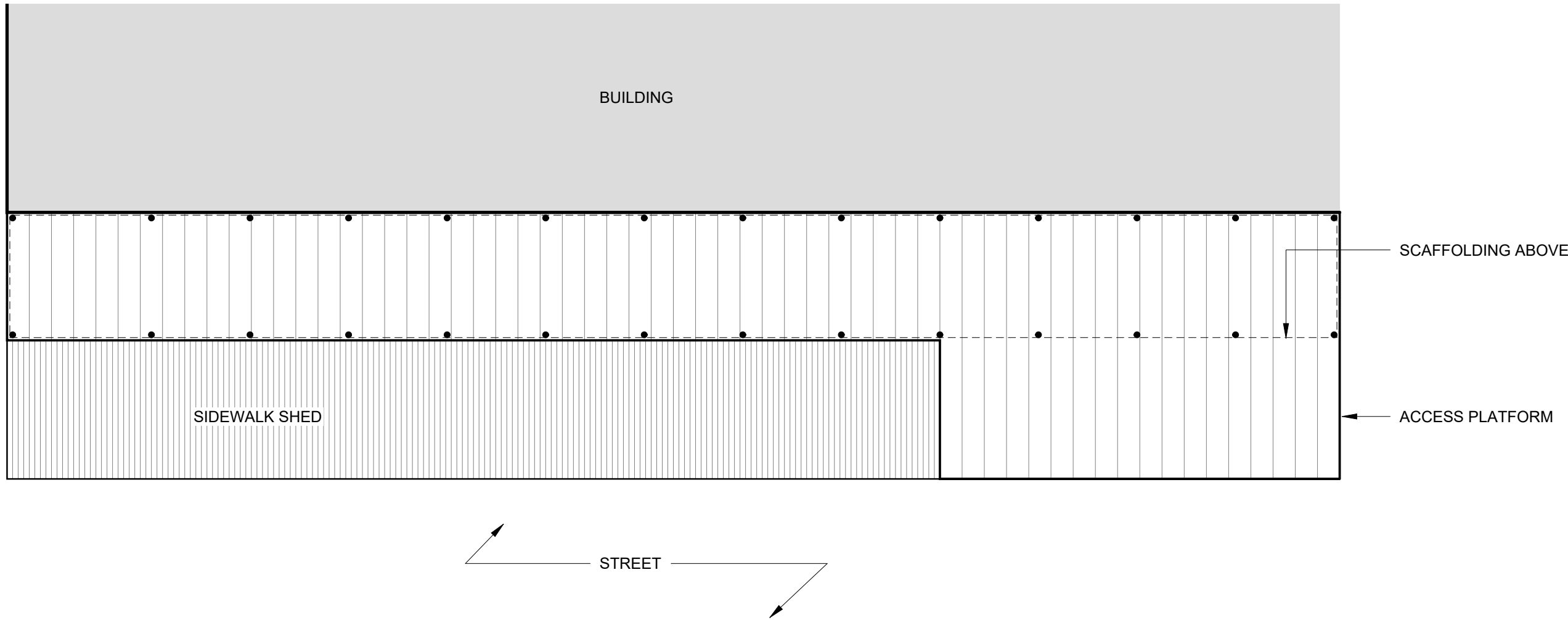
5

RENDERINGS

N.T.S.

SCAFFOLD SUPPORT BEAM MATRIX		
SHED WIDTH "W"	5' WIDE SCAFFOLD PLATFORM	FULL WIDTH ACCESS PLATFORM
W ≤ 8'	W12X26	W12X26
8' < W ≤ 12'	W12X26	W12X40
12' < W ≤ 16'	W12X40	W12X53

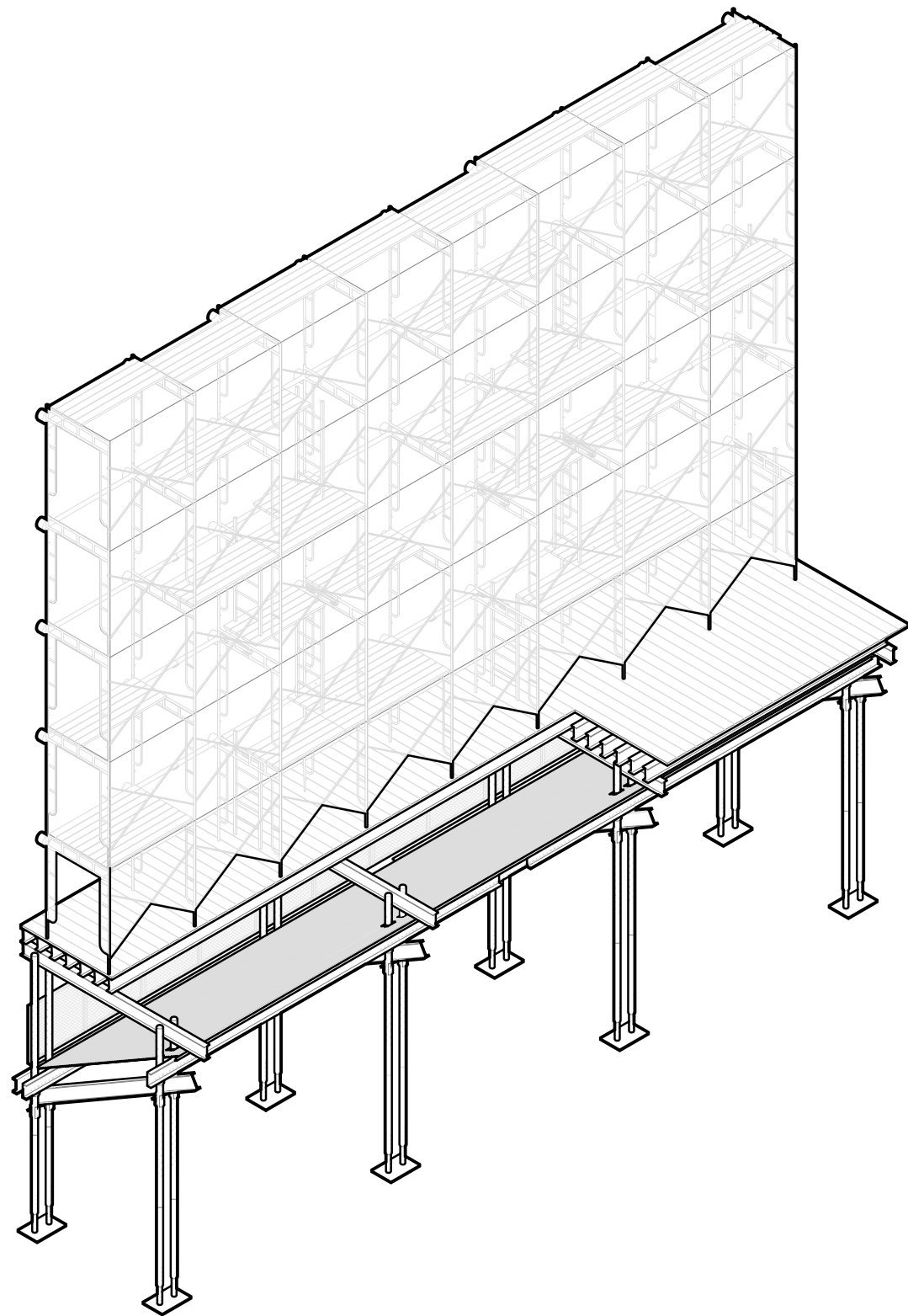
- NOTES:
- SCAFFOLD SUPPORT BEAMS AND THEIR SUPPORTING PIPE EXTENSIONS CAN BE INSTALLED AT ANY TIME.
 - SCAFFOLD SUPPORT BEAMS IN THE MATRIX ABOVE ARE DESIGNED FOR:
 - SUPPORT OF A 5' - 0" WIDE SCAFFOLD PLATFORM WITH A DESIGN LIVE LOAD OF 300 PSF.
 - SUPPORT OF AN ACCESS PLATFORM COVERING THE FULL WIDTH OF THE SIDEWALK WITH A DESIGN LIVE LOAD OF 300 PSF.



4

SITE DIAGRAM

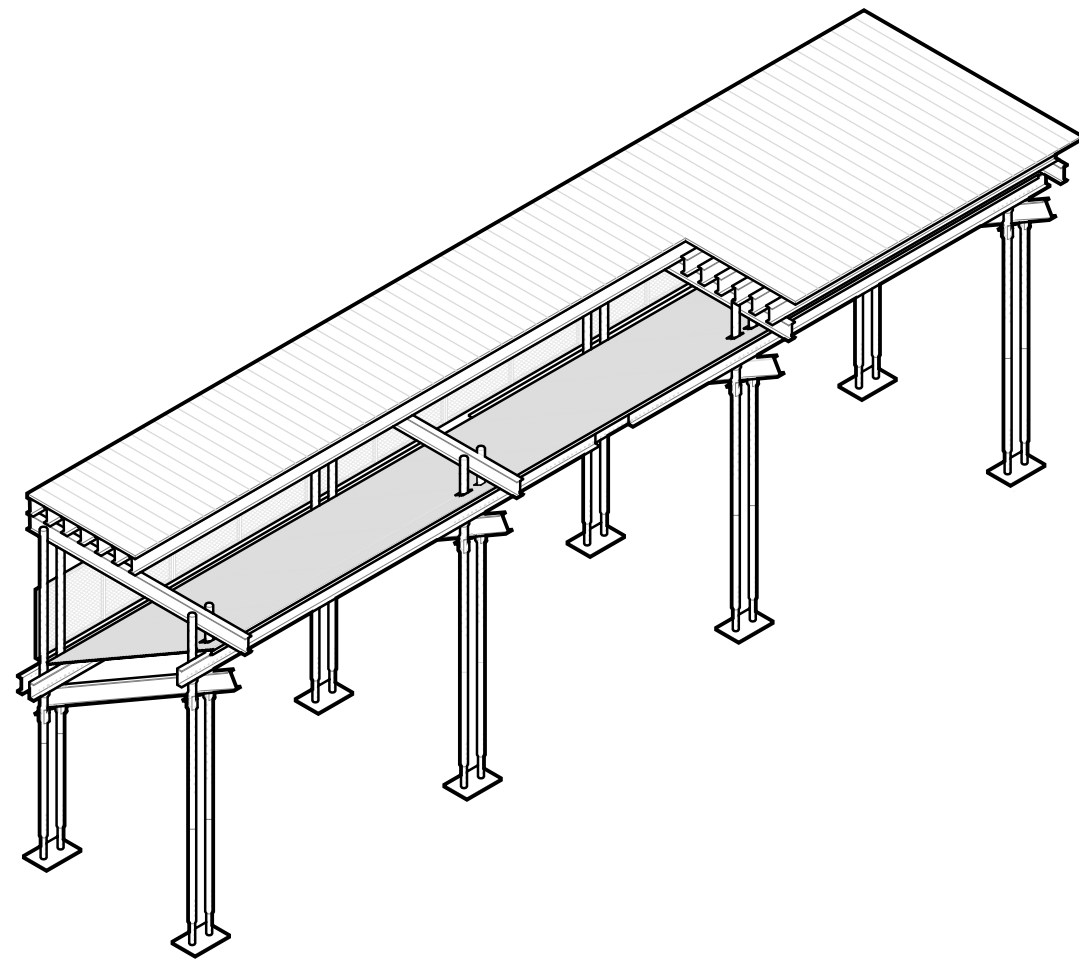
3/16" = 1'-0"



3

SCAFFOLDING AXON

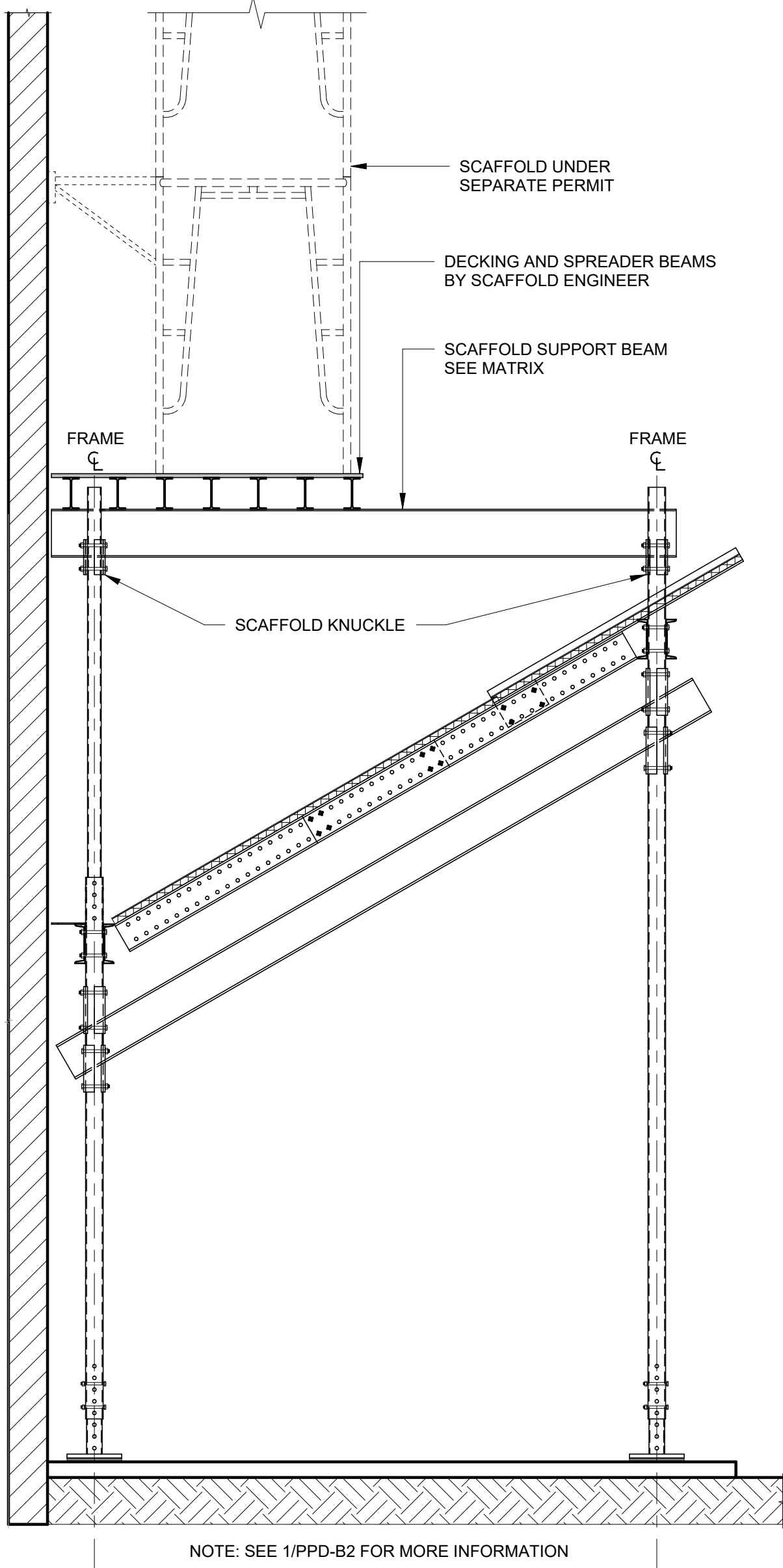
N.T.S.



2

ACCESS PLATFORM AXON

N.T.S.



1

TYPICAL SECTION WITH SCAFFOLD

3/8" = 1'-0"

Note

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REFERENCE DESIGN ONLY.
SITE-SPECIFIC ENGINEERING
AND COMPLIANCE WITH
APPLICABLE LAWS AND
RULES REQUIRED.

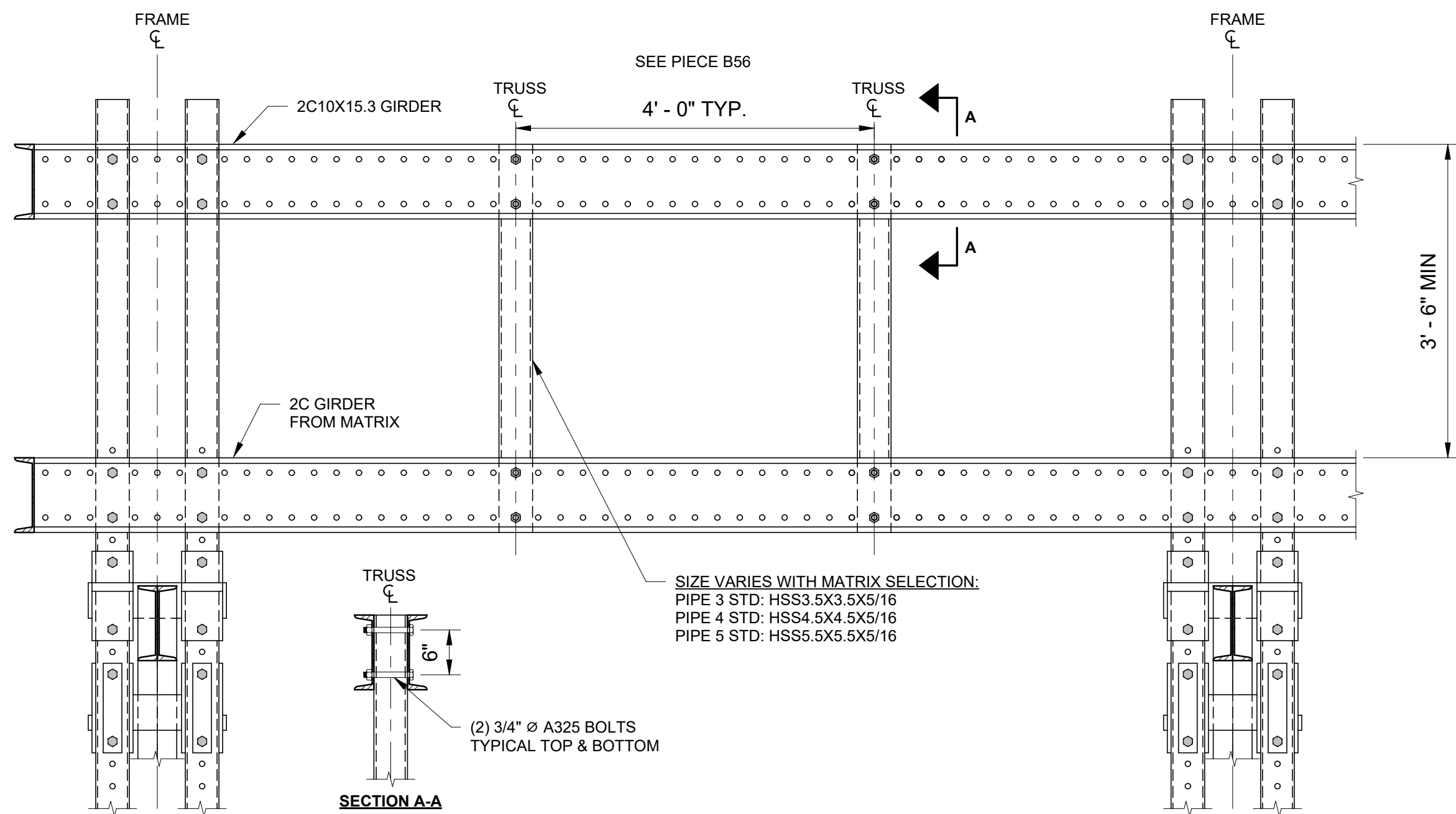
NO.	DESCRIPTION	DATE
1	FOR CAPA REVIEW	06.25.2026

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WIDE BASELINE SHED
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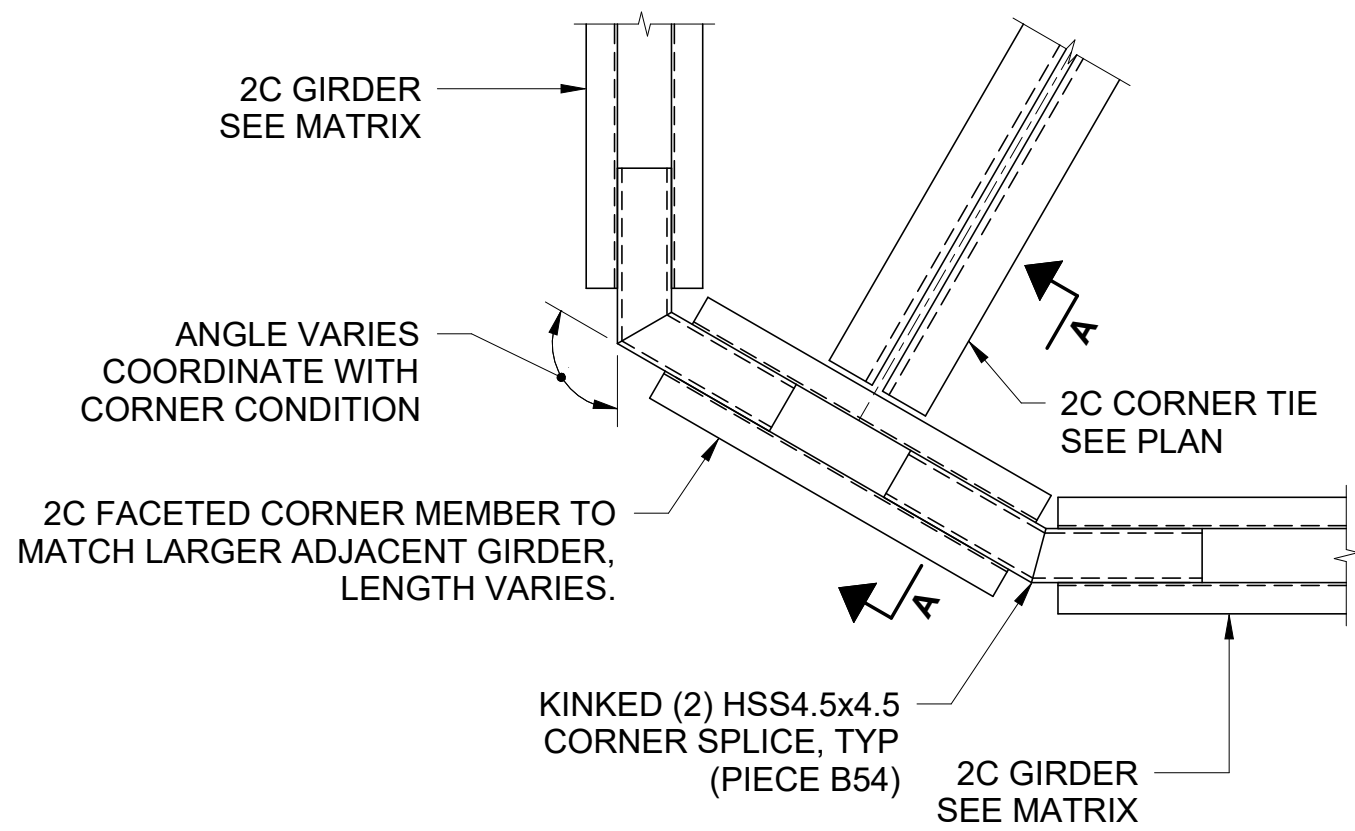
Drawing Title
SPECIAL CONDITION - CORNER

Drawing Number:

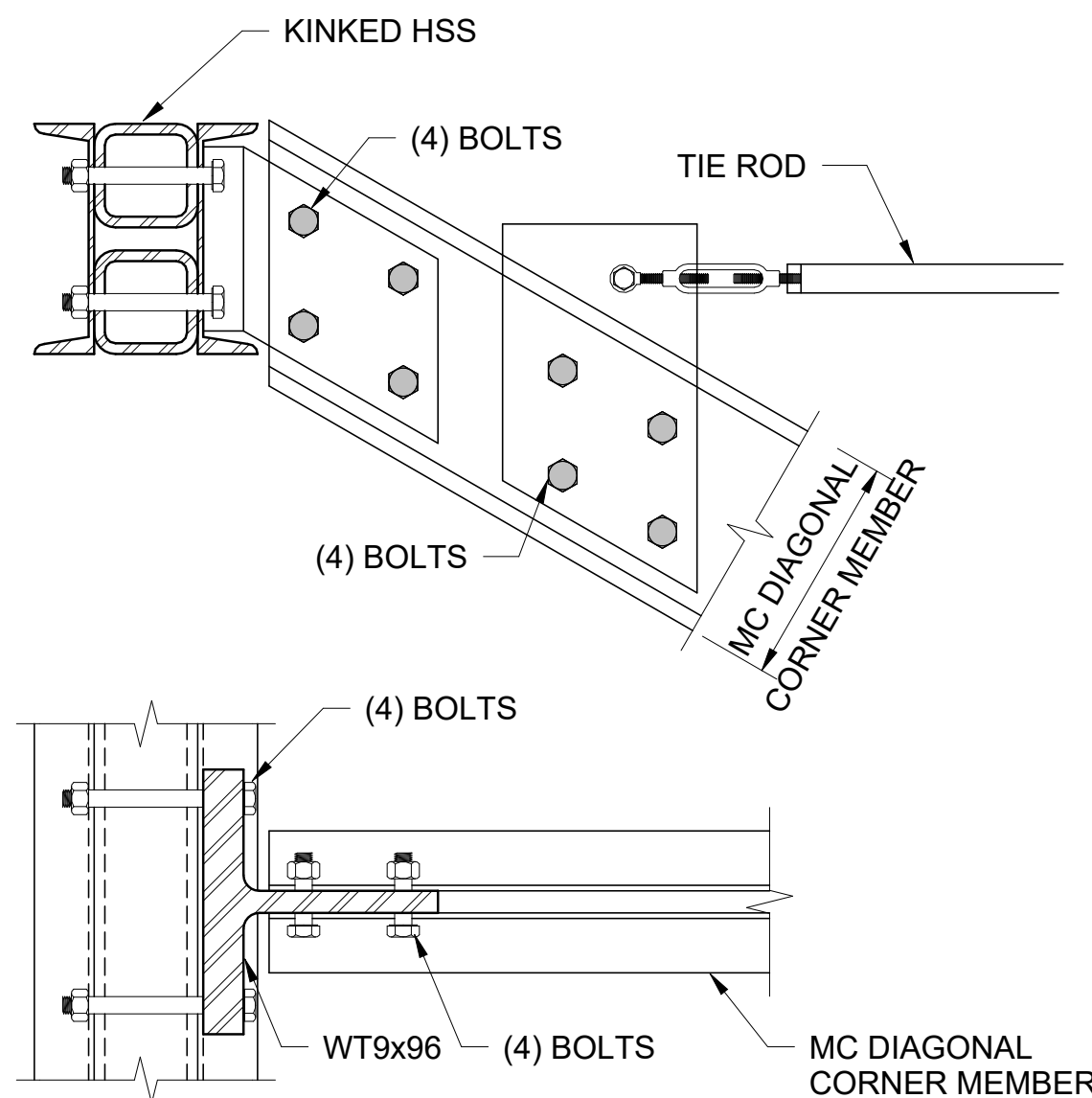
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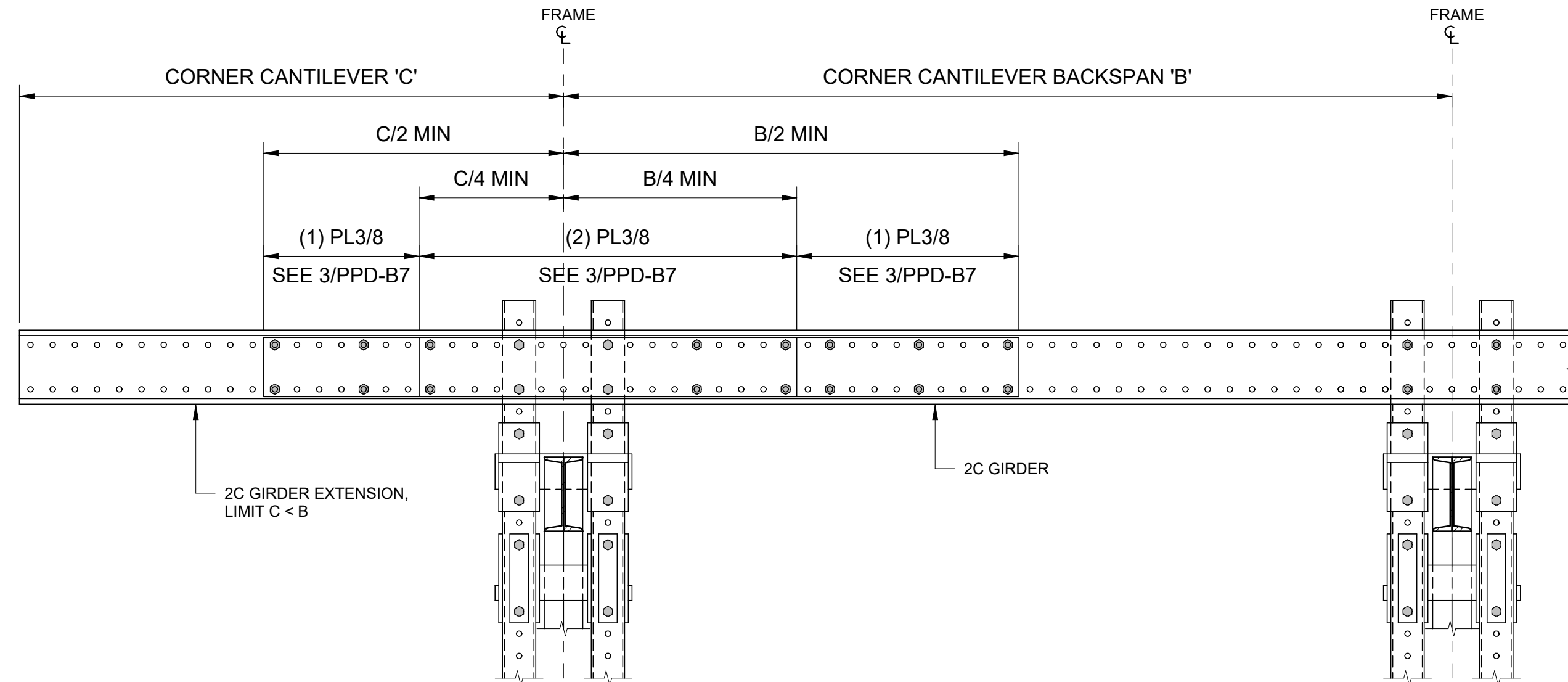
5 BUILDING SIDE TRUSS AT CORNER
3/4" = 1'-0"



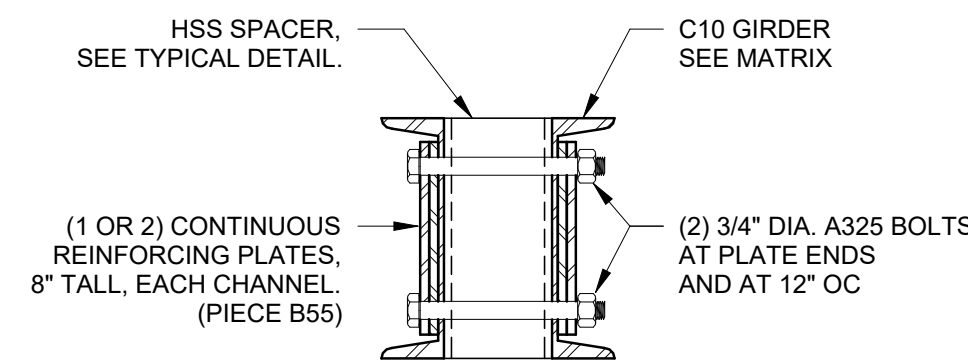
3 CORNER FRAMING
3/4" = 1'-0"



2 TIE AT CORNER
1 1/2" = 1'-0"

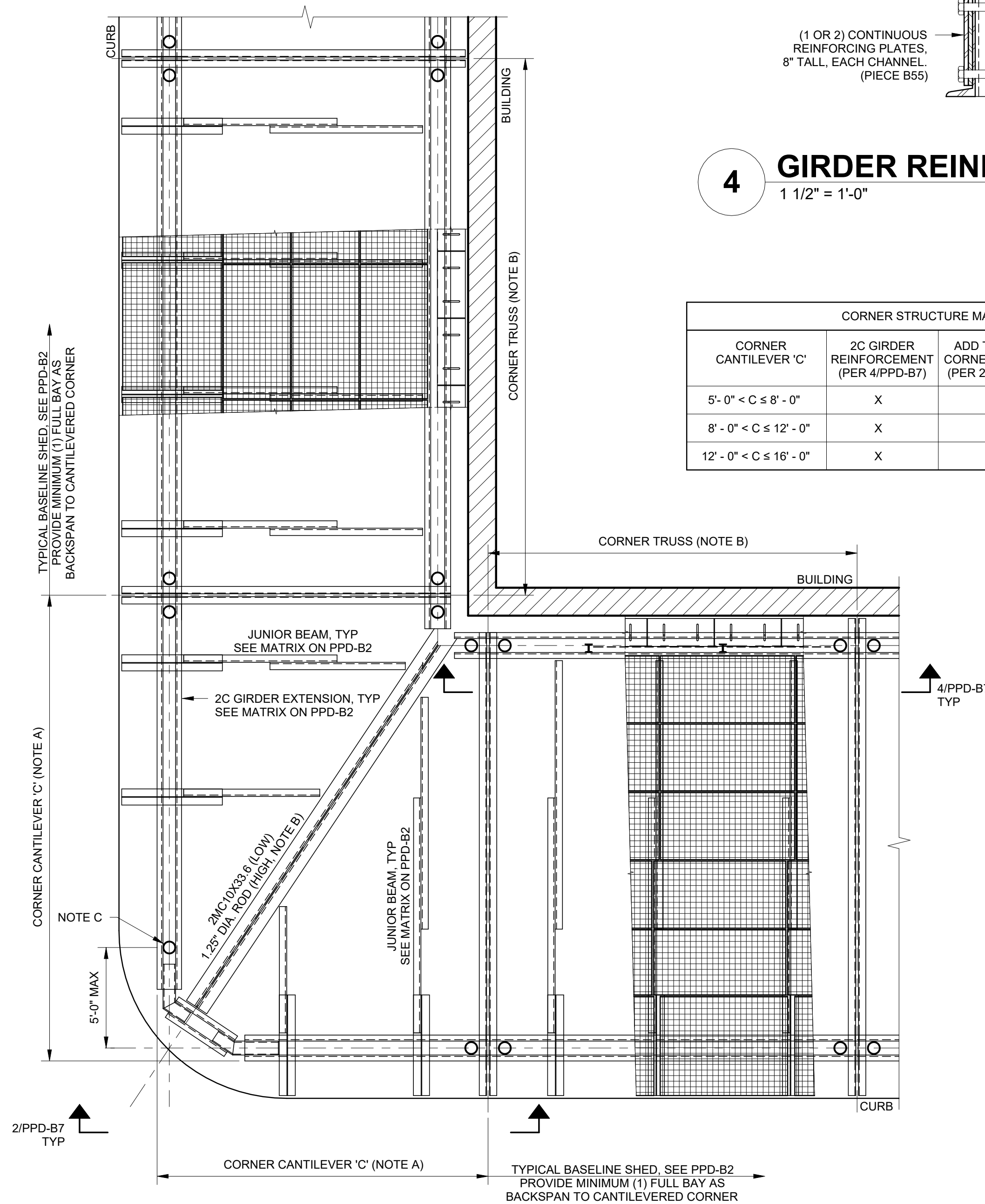


6 CURB GIRDER REINFORCEMENT AT CORNER CANTILEVER
3/4" = 1'-0"



4 GIRDER REINFORCEMENT
1 1/2" = 1'-0"

CORNER STRUCTURE MATRIX			
CORNER CANTILEVER 'C'	2C GIRDER REINFORCEMENT (PER 4/PPD-B7)	ADD TIE AND CORNER TRUSS (PER 2/PPD-B7)	ADD POST NEAR CORNER (SEE PLAN)
5'-0" < C ≤ 8' - 0"	X		
8' - 0" < C ≤ 12' - 0"	X	X	
12' - 0" < C ≤ 16' - 0"	X	X	X



1 CORNER PLAN
3/8" = 1'-0"

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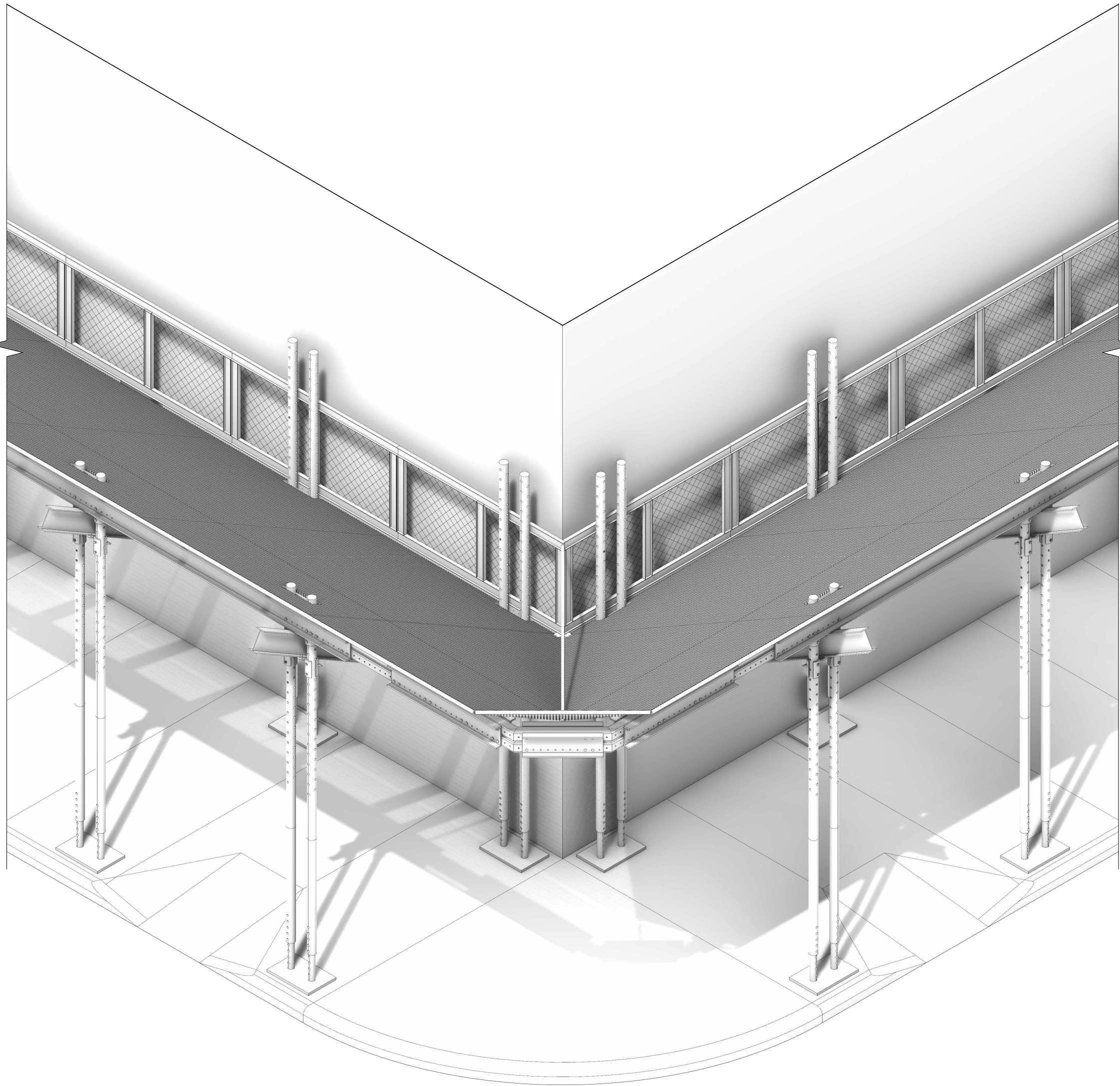


NOTE: VIEW SHOWS CORNER SHED IN ANGLED CONFIGURATION AND IS SHOWN FOR REPRESENTATION PURPOSES ONLY. CONDITIONS WILL VARY PER SITE.

3

RENDERING

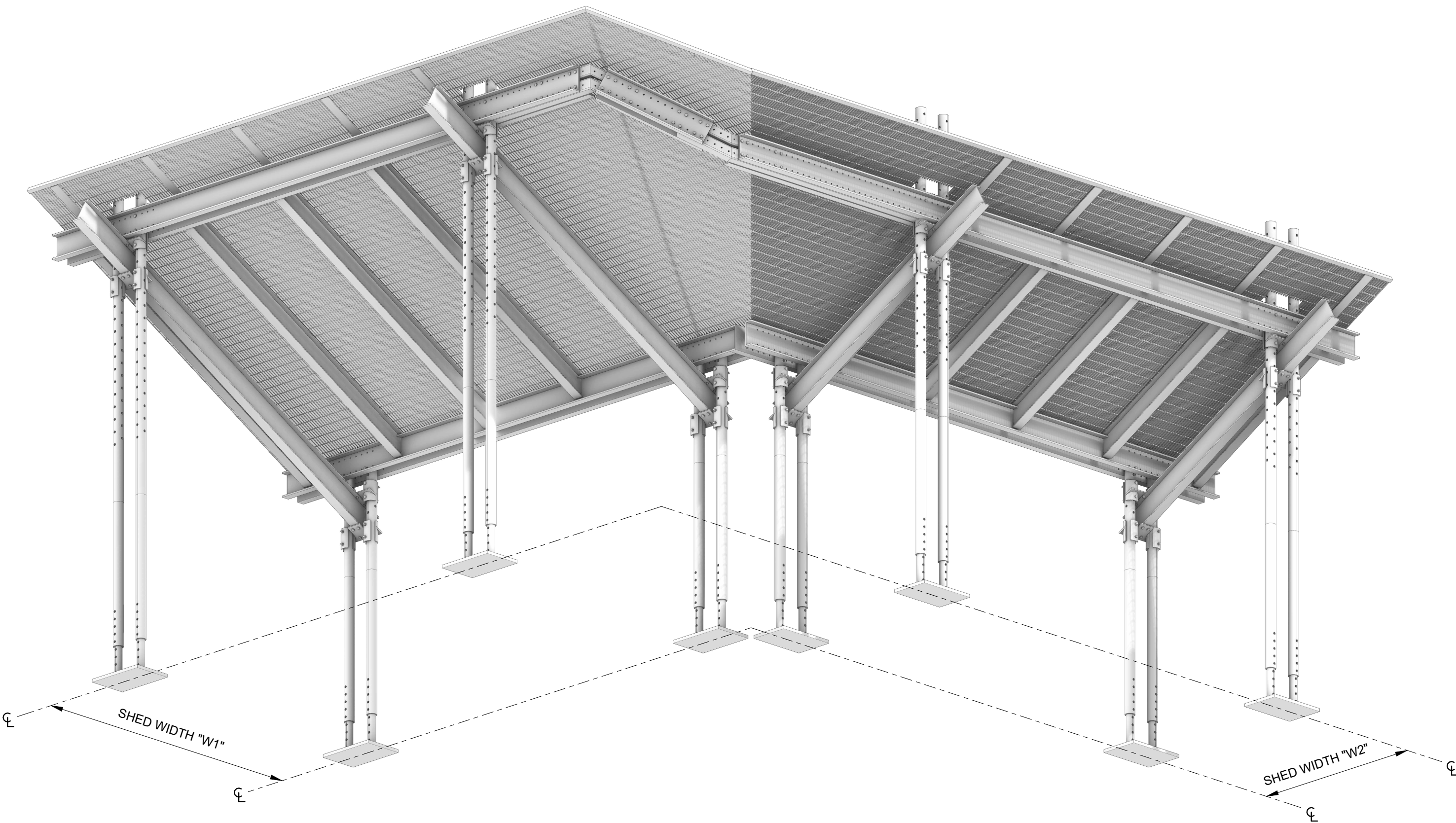
N.T.S.



1

CORNER AT CURB CUT

N.T.S.



2

CORNER AT VARYING WIDTH SIDEWALKS

N.T.S.

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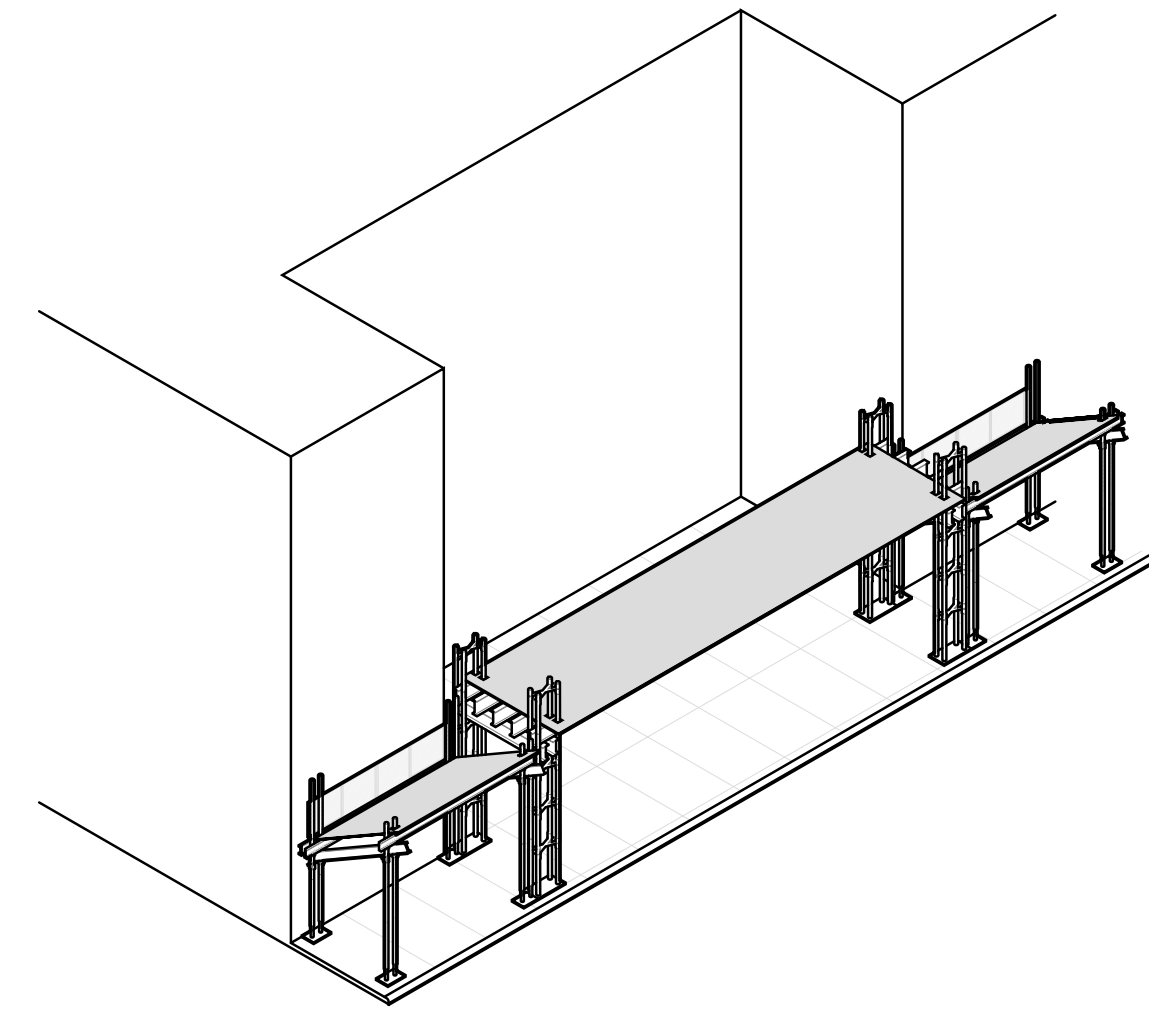
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Drawing Title
SPECIAL CONDITION - WIDE SPANS

Drawing Number:

PPD-B9

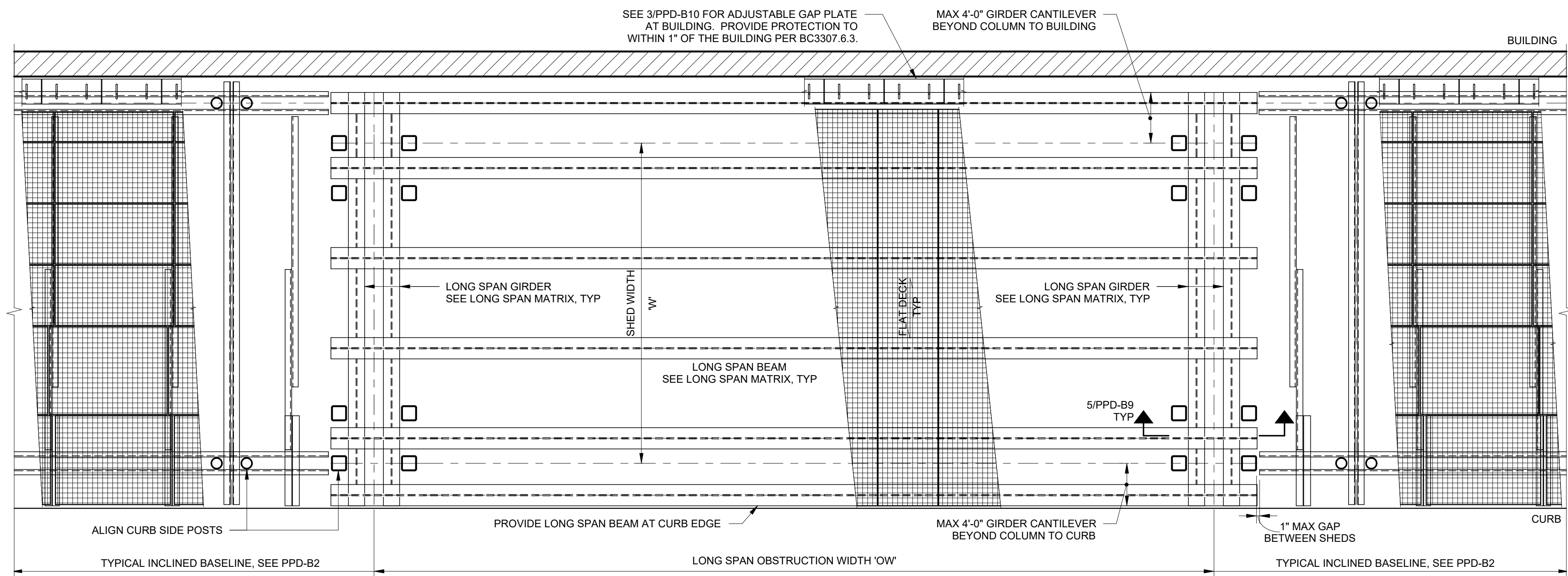


5 SITE DIAGRAM N.T.S.

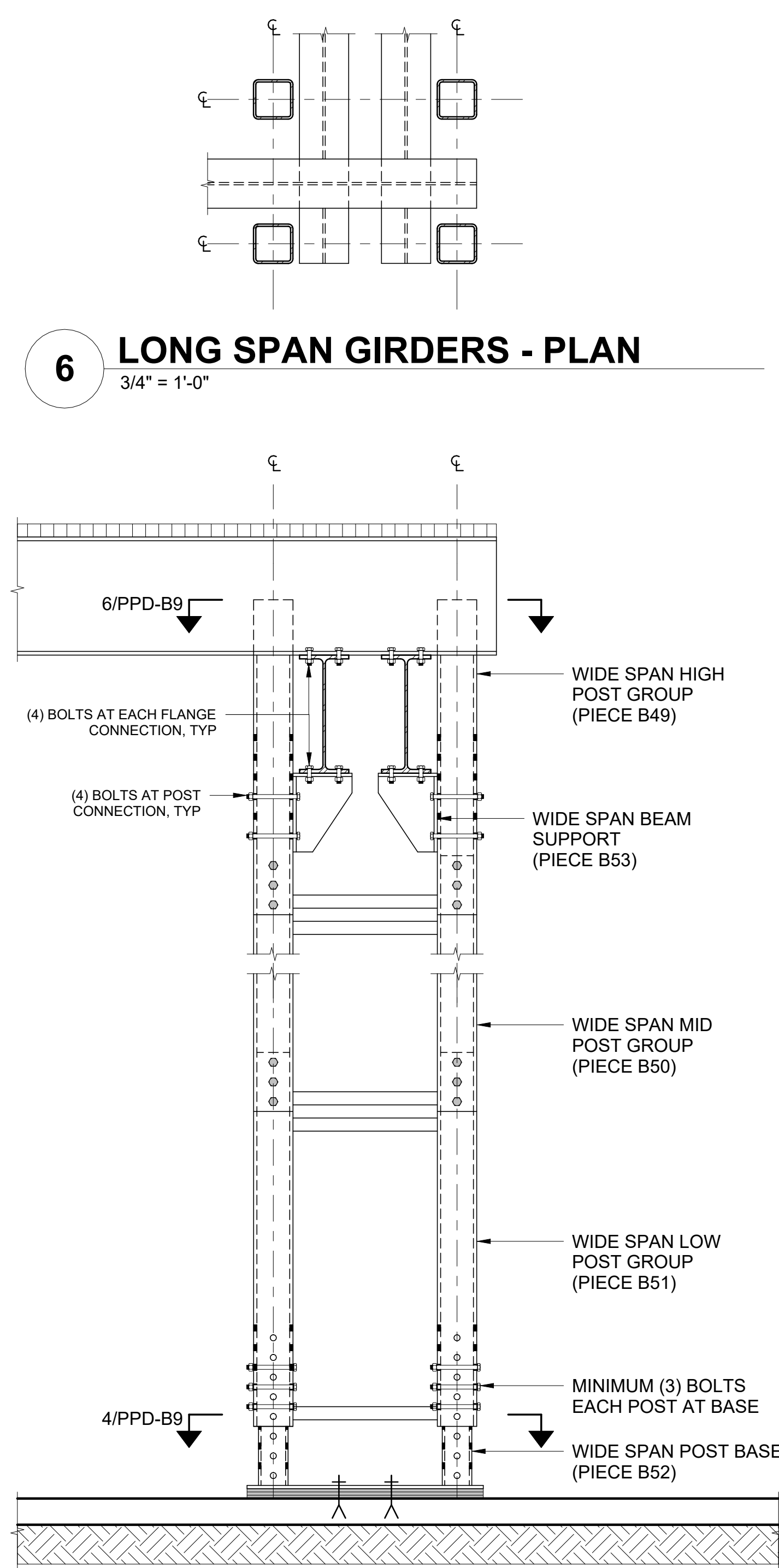
LONG SPAN SIDEWALK SHED (HEAVY DUTY)			
SHED WIDTH 'W'	LONG SPAN OBSTRUCTION WIDTH 'OW'	LONG SPAN BEAM (AT 4 FT OC MAX)	LONG SPAN GIRDER
W ≤ 8 FT	< 16 FT	W21x44	W21x44
	< 20 FT	W21x50	W21x44
	< 24 FT	W21x62	W21x44
	< 28 FT	W21x83	W21x50
	< 32 FT	W21x93	W21x62
	< 36 FT	W21x101	W21x68
8 FT < W ≤ 12 FT	< 16 FT	W21x44	W21x44
	< 20 FT	W21x50	W21x44
	< 24 FT	W21x62	W21x50
	< 28 FT	W21x83	W21x62
	< 32 FT	W21x93	W21x68
	< 36 FT	W21x101	W21x93
12 FT < W ≤ 16 FT	< 16 FT	W21x44	W21x44
	< 20 FT	W21x50	W21x50
	< 24 FT	W21x62	W21x62
	< 28 FT	W21x83	W21x68
	< 32 FT	W21x93	W21x83
	< 36 FT	W21x101	W21x101
16 FT < W ≤ 20 FT (ADD CENTER POST GROUP)	< 16 FT	W21x44	W21x44
	< 20 FT	W21x50	W21x50
	< 24 FT	W21x62	W21x62
	< 28 FT	W21x83	W21x68
	< 32 FT	W21x93	W21x83
	< 36 FT	W21x101	W21x101

LONG SPAN SIDEWALK SHED (LIGHT DUTY)			
SHED WIDTH 'W'	LONG SPAN OBSTRUCTION WIDTH 'OW'	LONG SPAN BEAM (AT 4 FT OC MAX)	LONG SPAN GIRDER
W ≤ 8 FT	< 16 FT	W18x35	W18x35
	< 20 FT	W18x40	W18x35
	< 24 FT	W18x50	W18x35
	< 28 FT	W18x60	W18x35
	< 32 FT	W18x71	W18x35
	< 36 FT	W18x76	W18x46
8 FT < W ≤ 12 FT	< 16 FT	W18x35	W18x35
	< 20 FT	W18x40	W18x35
	< 24 FT	W18x50	W18x35
	< 28 FT	W18x60	W18x46
	< 32 FT	W18x71	W18x50
	< 36 FT	W18x76	W18x60
12 FT < W ≤ 16 FT	< 16 FT	W18x35	W18x35
	< 20 FT	W18x40	W18x35
	< 24 FT	W18x50	W18x40
	< 28 FT	W18x60	W18x46
	< 32 FT	W18x71	W18x55
	< 36 FT	W18x76	W18x71
16 FT < W ≤ 20 FT (ADD CENTER POST GROUP)	< 16 FT	W18x35	W18x35
	< 20 FT	W18x40	W18x35
	< 24 FT	W18x50	W18x40
	< 28 FT	W18x60	W18x46
	< 32 FT	W18x71	W18x55
	< 36 FT	W18x76	W18x71

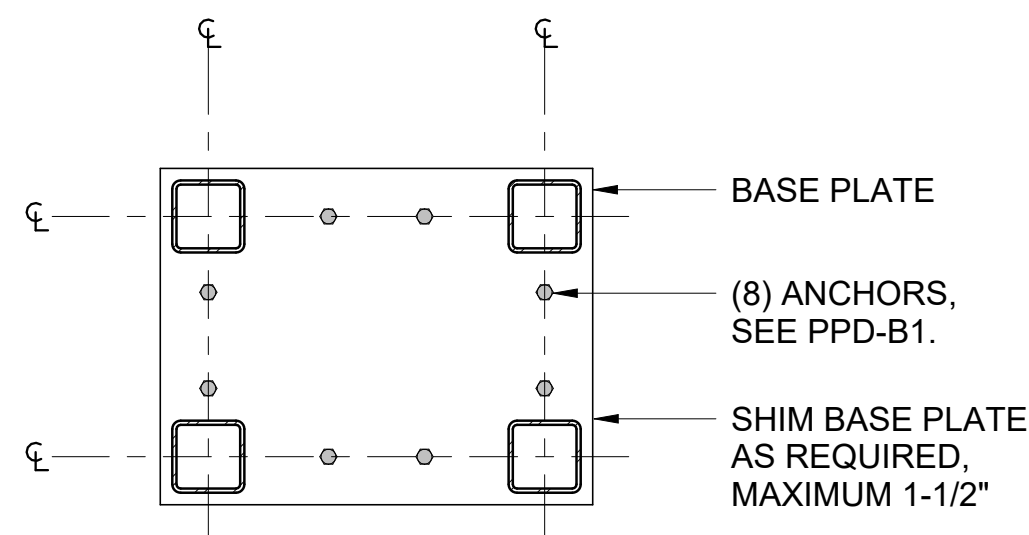
4 LONG SPAN OBSTRUCTION MATRIX



1 LONG SPAN OBSTRUCTION - PLAN 3/8" = 1'-0"

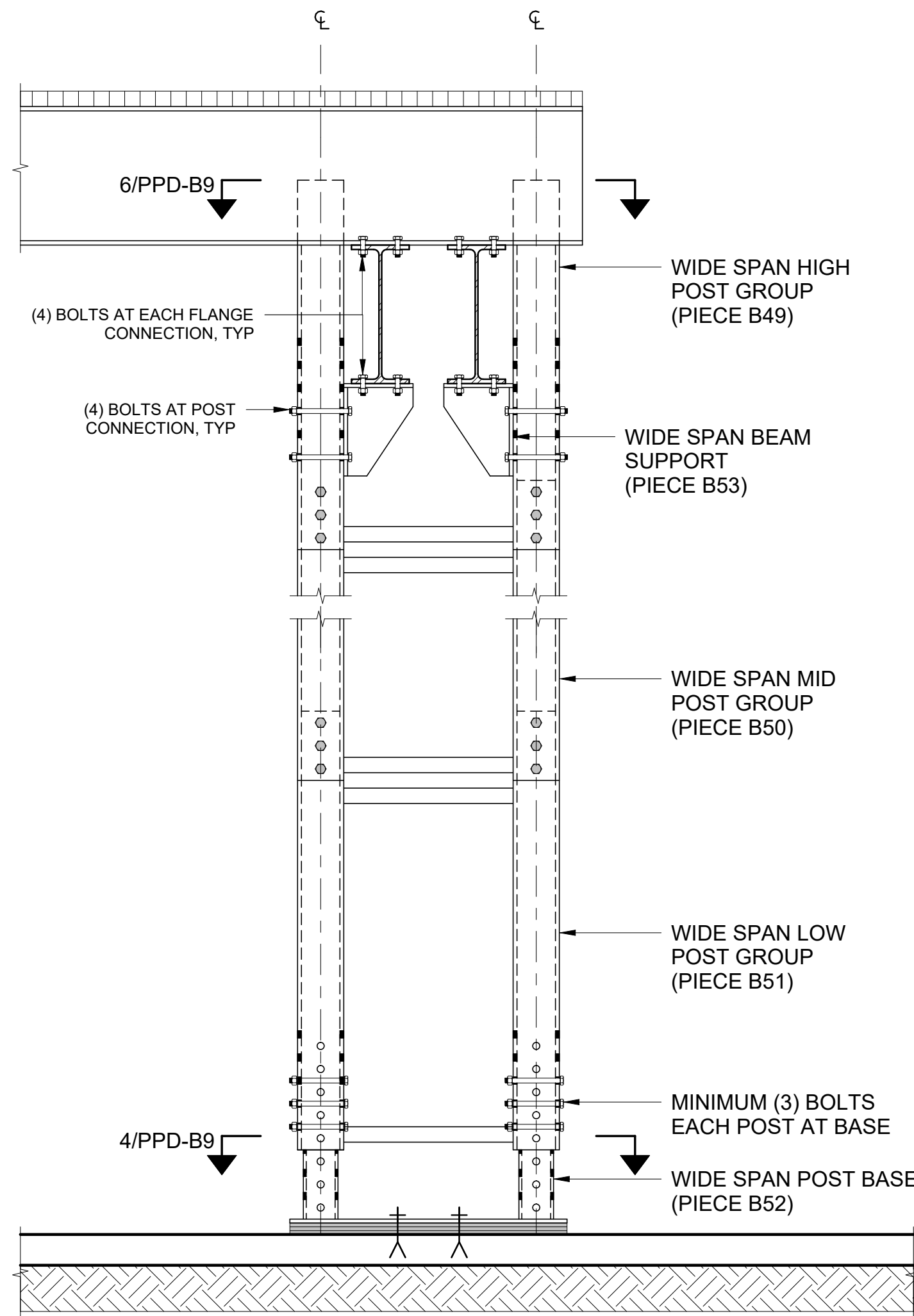


3 LONG SPAN POST GROUP - SECTION 3/4" = 1'-0"



2 LONG SPAN POST BASE - PLAN 3/4" = 1'-0"

6 LONG SPAN GIRDERS - PLAN 3/4" = 1'-0"



Note

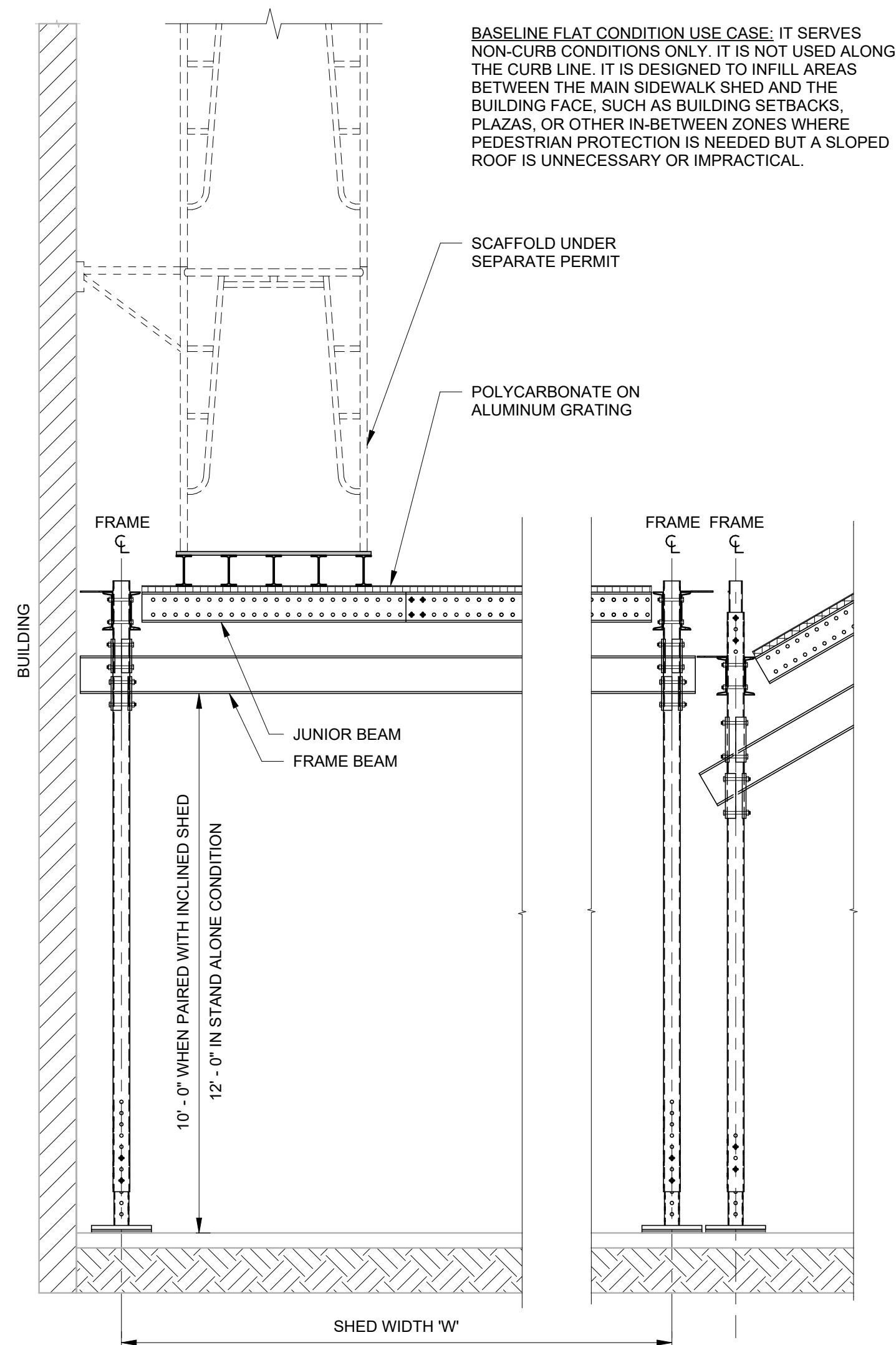
OWNER SHALL RETAIN A REGISTERED DESIGN PROFESSIONAL (ARCHITECTS AND ENGINEERS LICENSED IN THE STATE OF NEW YORK), AND CONTRACTOR WHO SHALL HAVE FULL RESPONSIBILITY FOR COMPLIANCE WITH APPLICABLE LAWS, RULES AND REQUIREMENTS PERTAINING TO THE DESIGN, SPECIFICATIONS, PERMITTING, FABRICATION, INSTALLATION, CONSTRUCTION, AND MAINTENANCE OF PEDESTRIAN PROTECTION SYSTEMS. FULL RESPONSIBILITY FOR THE INSTALLED PEDESTRIAN PROTECTION SYSTEMS SHALL REMAIN WITH THE APPLICABLE OWNER, REGISTERED DESIGN PROFESSIONAL, AND/OR CONTRACTOR.

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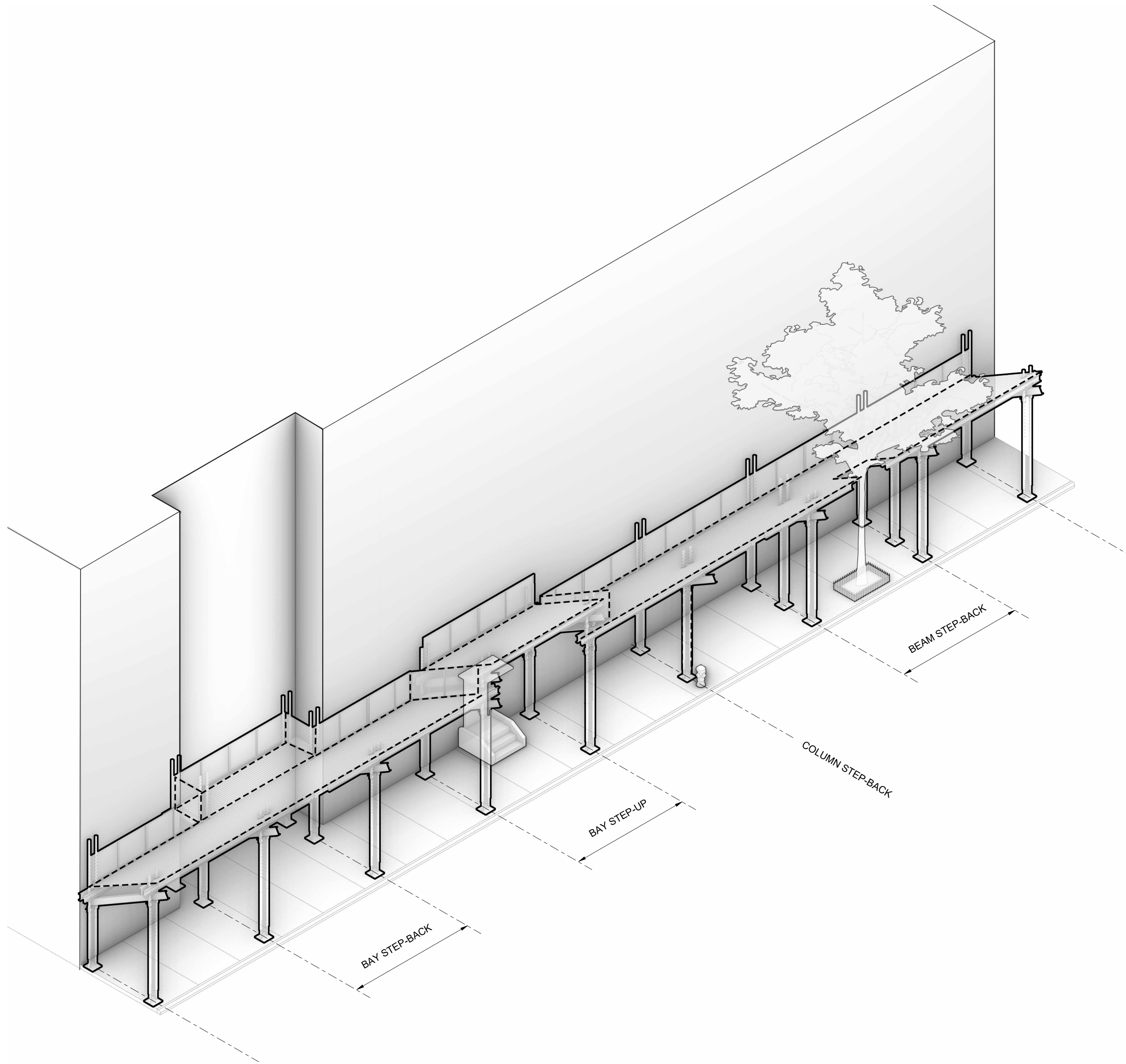
**REFERENCE DESIGN ONLY.
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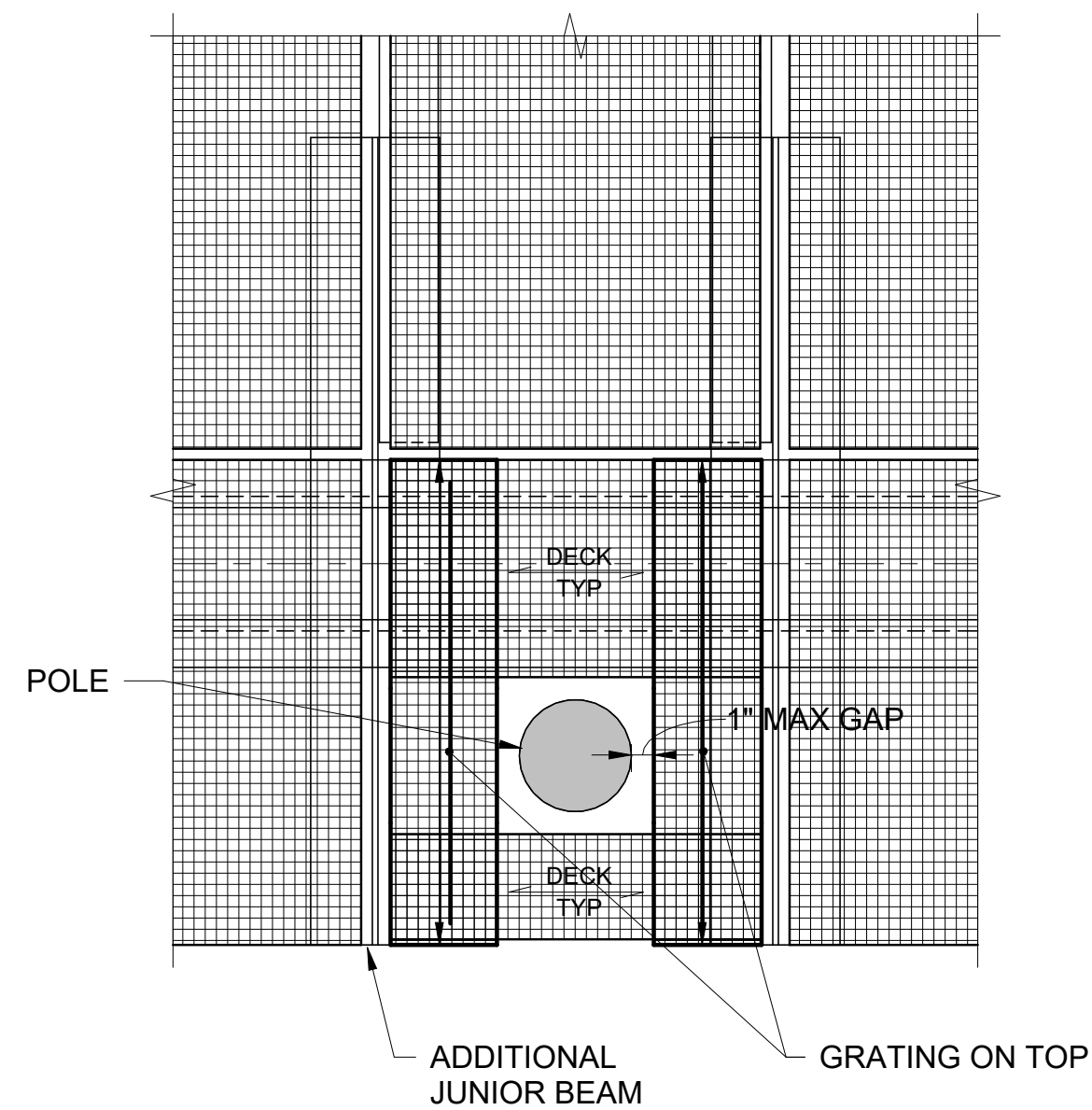
5 FLAT BASELINE TYPICAL SECTION FOR NON-CURB CONDITIONS
3/8" = 1'-0"



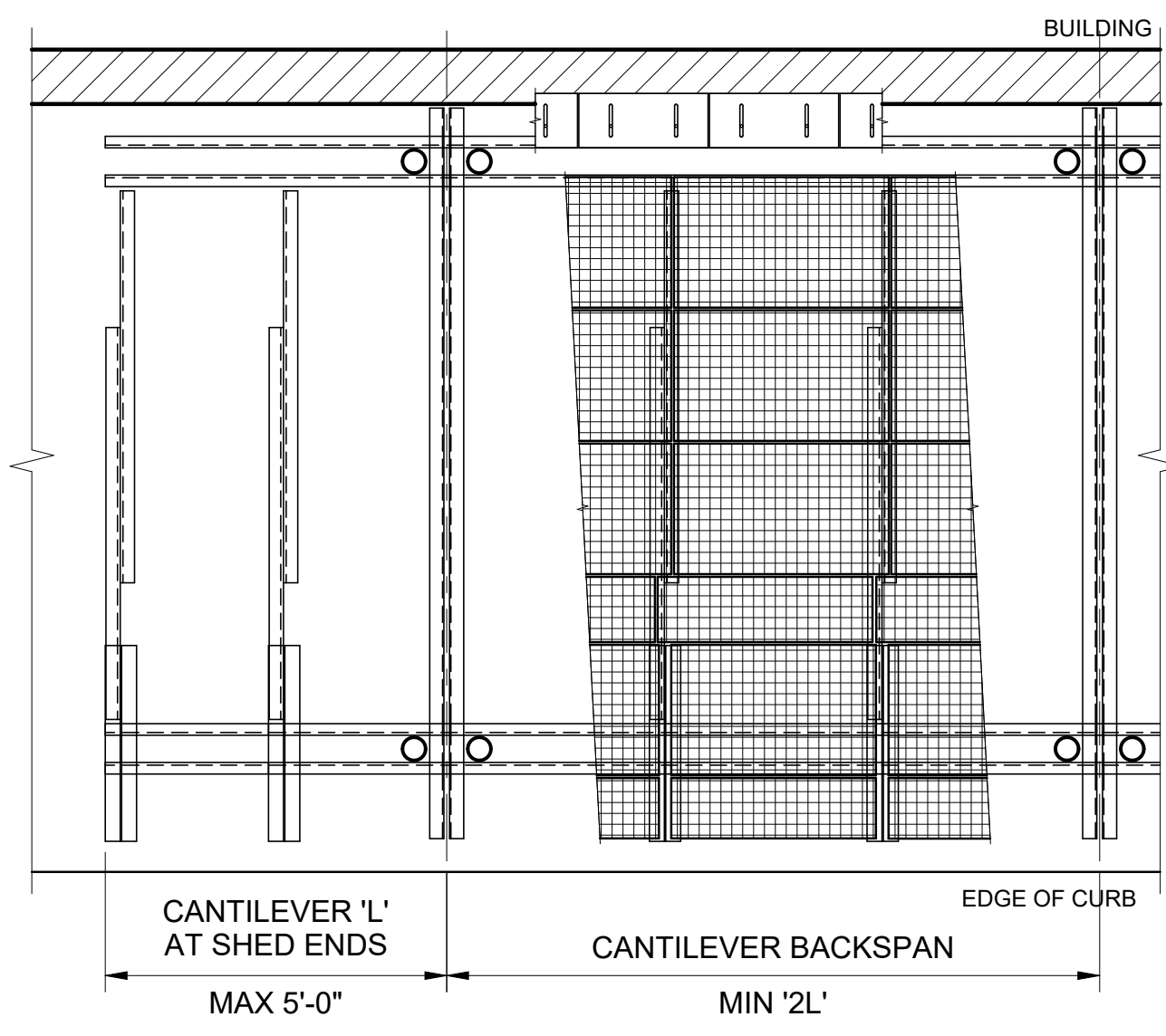
6 SHED OBSTRUCTION DIAGRAM
N.T.S.



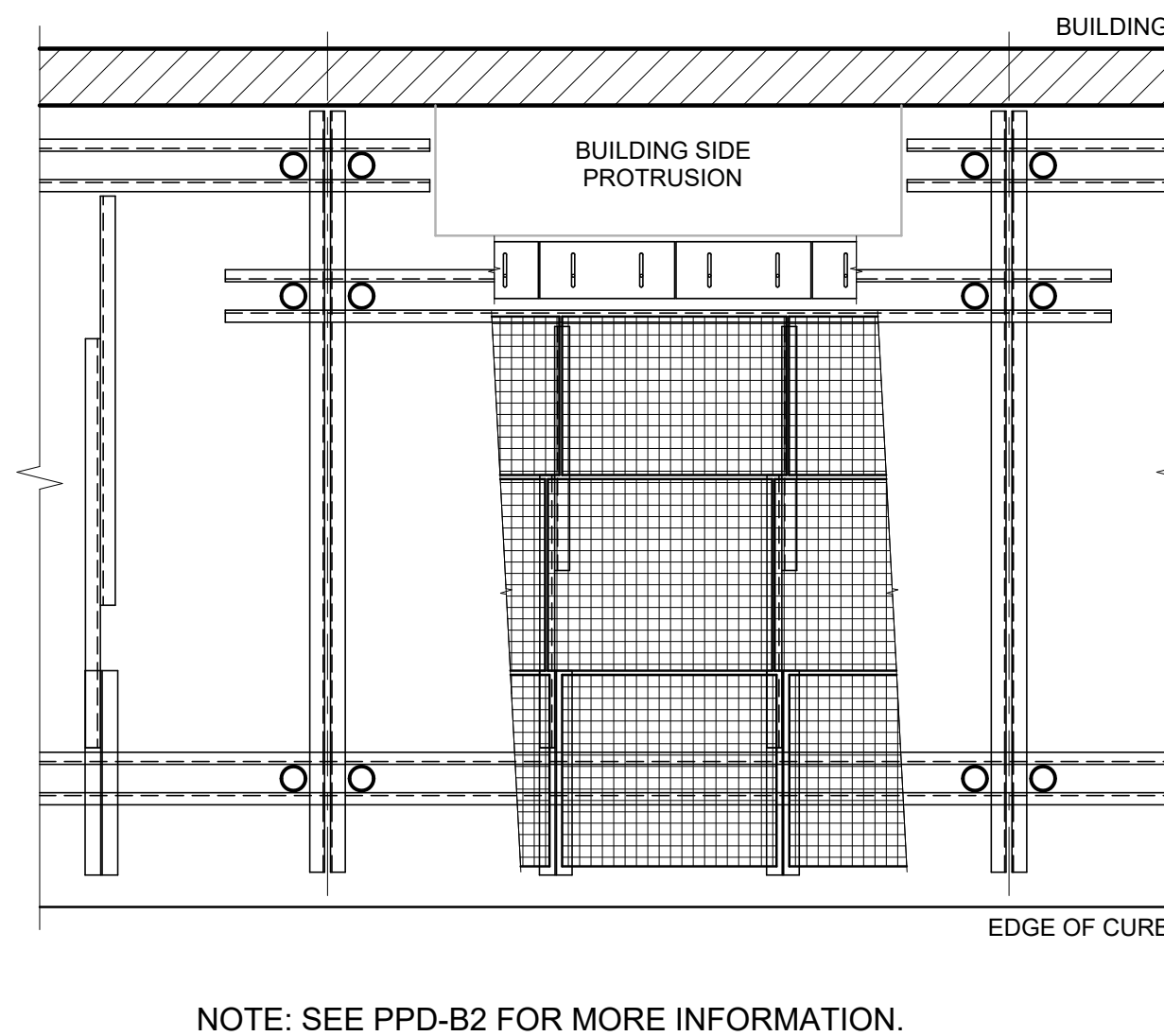
4 OBSTRUCTIONS PLAN DETAIL
1 1/2" = 1'-0"



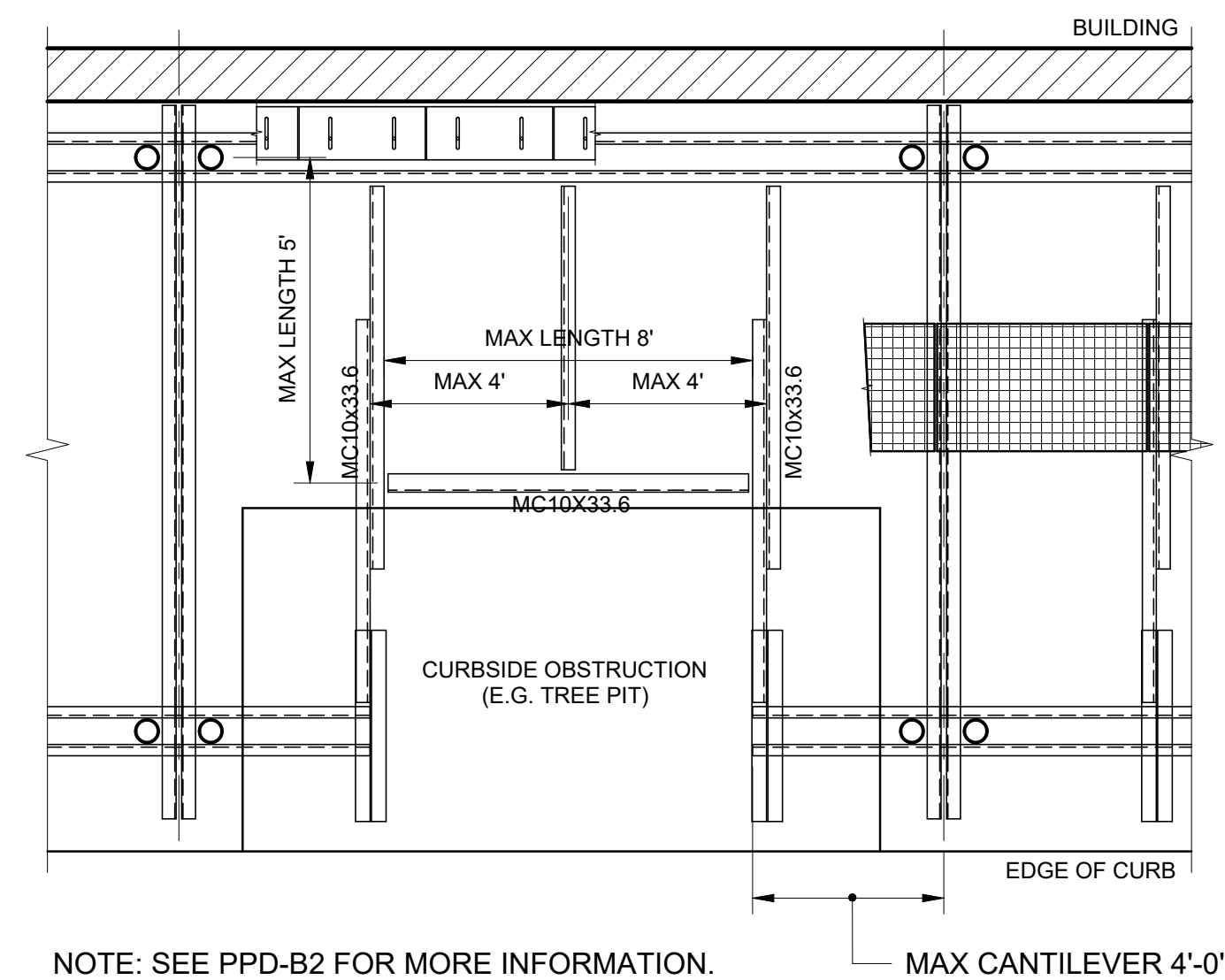
3 CURBSIDE OBSTRUCTIONS - PLAN
3/8" = 1'-0"



2 BUILDING OBSTRUCTION - PLAN
3/8" = 1'-0"



1 CURBSIDE OBSTRUCTIONS - PLAN
3/8" = 1'-0"

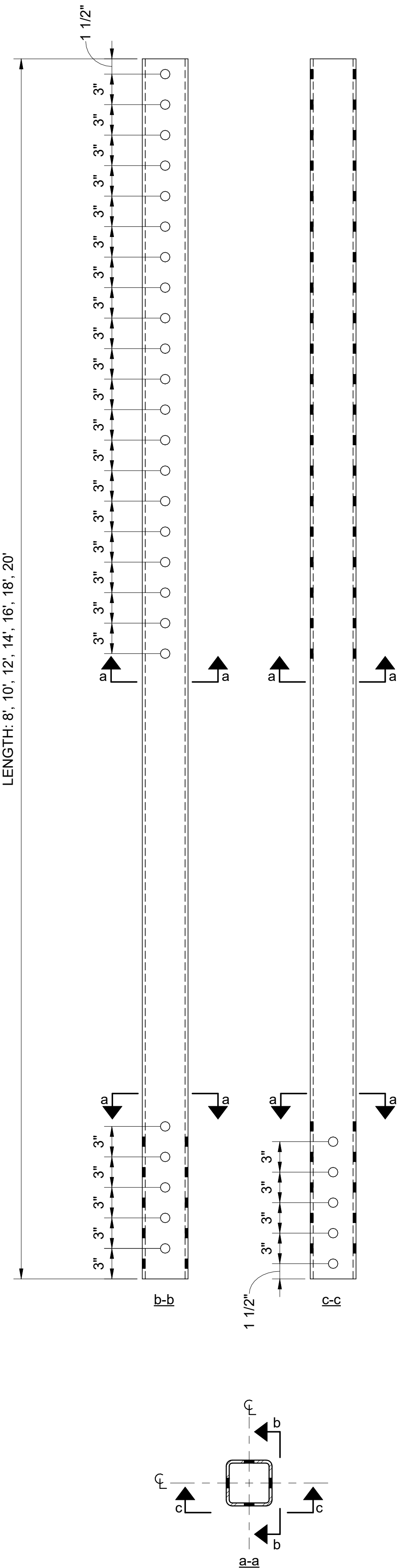


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Drawing Title
**SPECIAL CONDITION -
OBSTRUCTIONS**

Drawing Number:
PPD-B10

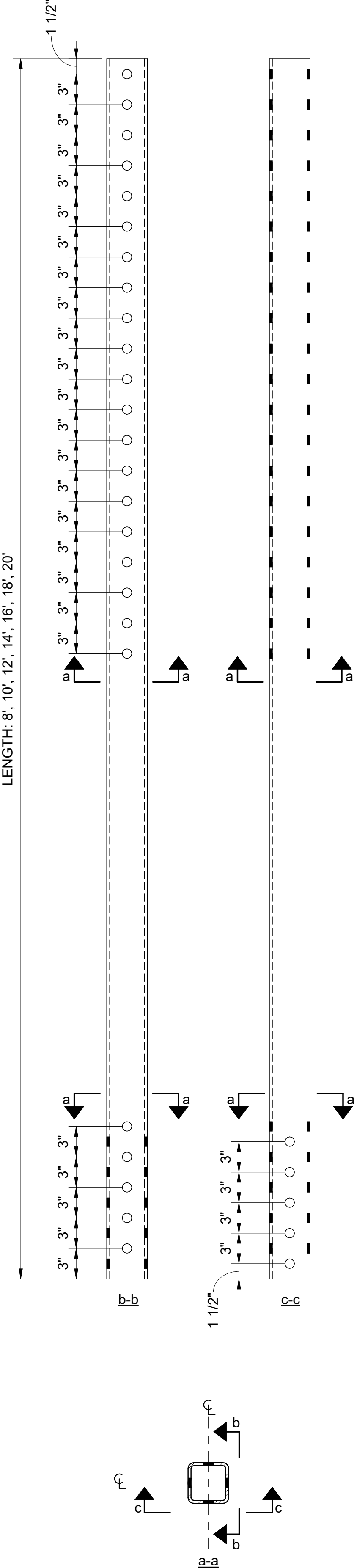
PIECE B06:

TYPE: POST
SECTION: HSS 4-1/2 x 4-1/2 x 5/16
MATERIAL GRADE: ASTM A500 Gr. C
HOLES: 15/16" Ø
PIECE WEIGHT: 136 LBS TO 340 LBS



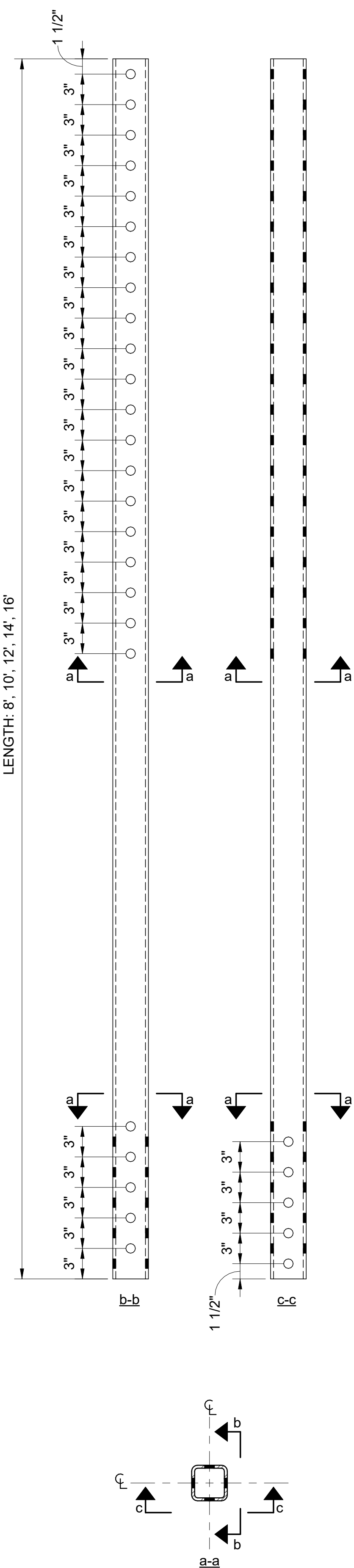
PIECE B05:

TYPE: POST
SECTION: HSS 4 x 4 x 5/16
MATERIAL GRADE: ASTM A500 Gr. C
HOLES: 15/16" Ø
PIECE WEIGHT: 119 LBS TO 297 LBS



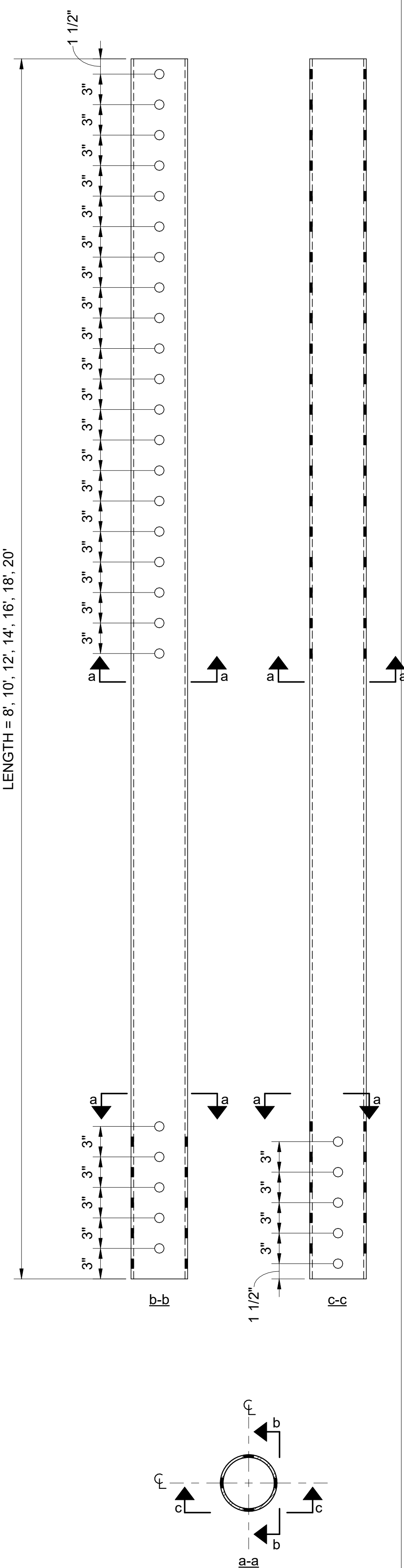
PIECE B04:

TYPE: POST
SECTION: HSS 3-1/2 x 3-1/2 x 5/16
MATERIAL GRADE: ASTM A500 Gr. C
HOLES: 15/16" Ø
PIECE WEIGHT: 102 LBS TO 204 LBS



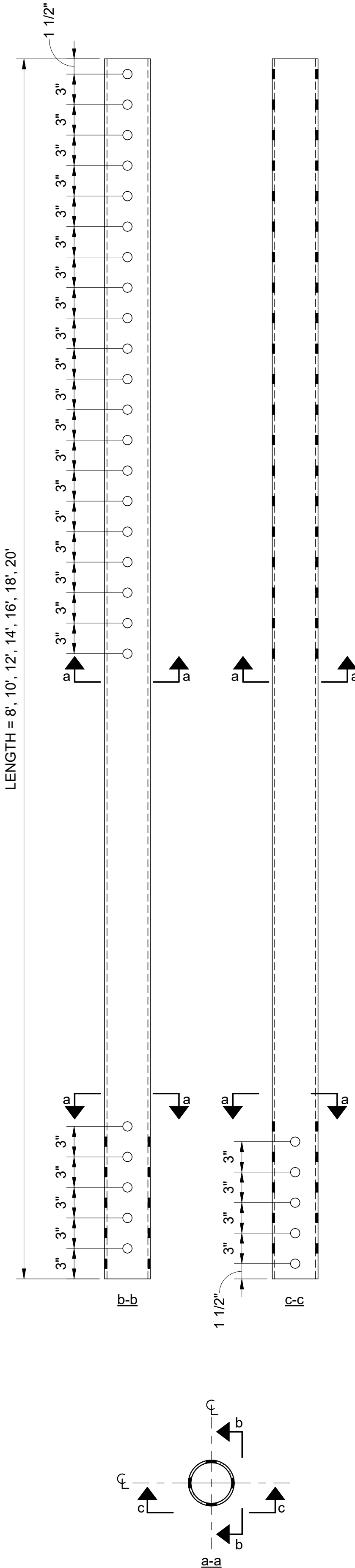
PIECE B03:

TYPE: POST
SECTION: PIPE 5 STD.
MATERIAL GRADE: ASTM A53 GR. B
HOLES: 15/16" Ø
PIECE WEIGHT: 117 LBS TO 292 LBS



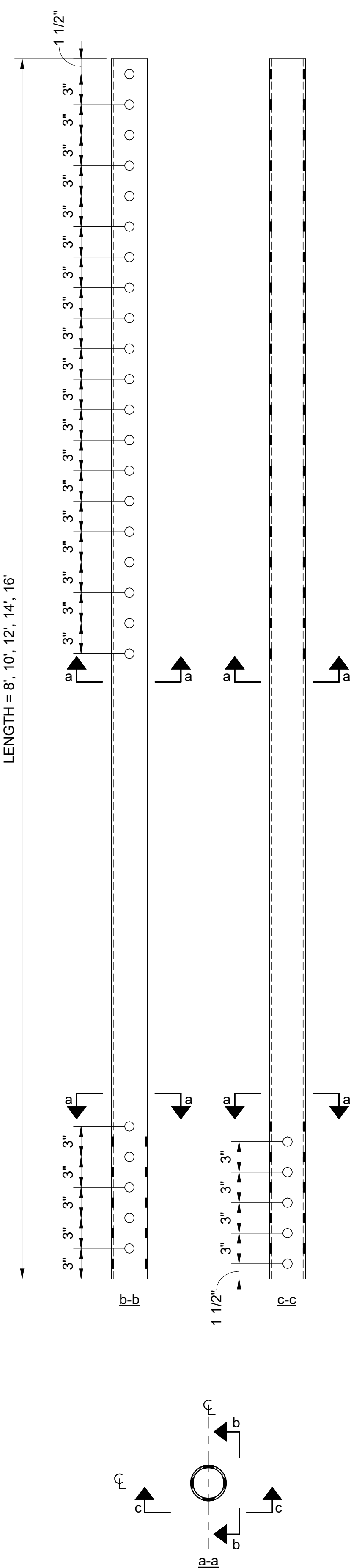
PIECE B02:

TYPE: POST
SECTION: PIPE 4 STD.
MATERIAL GRADE: ASTM A53 GR. B
HOLES: 15/16" Ø
PIECE WEIGHT: 87 LBS TO 216 LBS



PIECE B01:

TYPE: POST
SECTION: PIPE 3 STD.
MATERIAL GRADE: ASTM A53 GR. B
HOLES: 15/16" Ø
PIECE WEIGHT: 61 LBS TO 122 LBS



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PARTS & PIECES

Drawing Number:

PPD-B11

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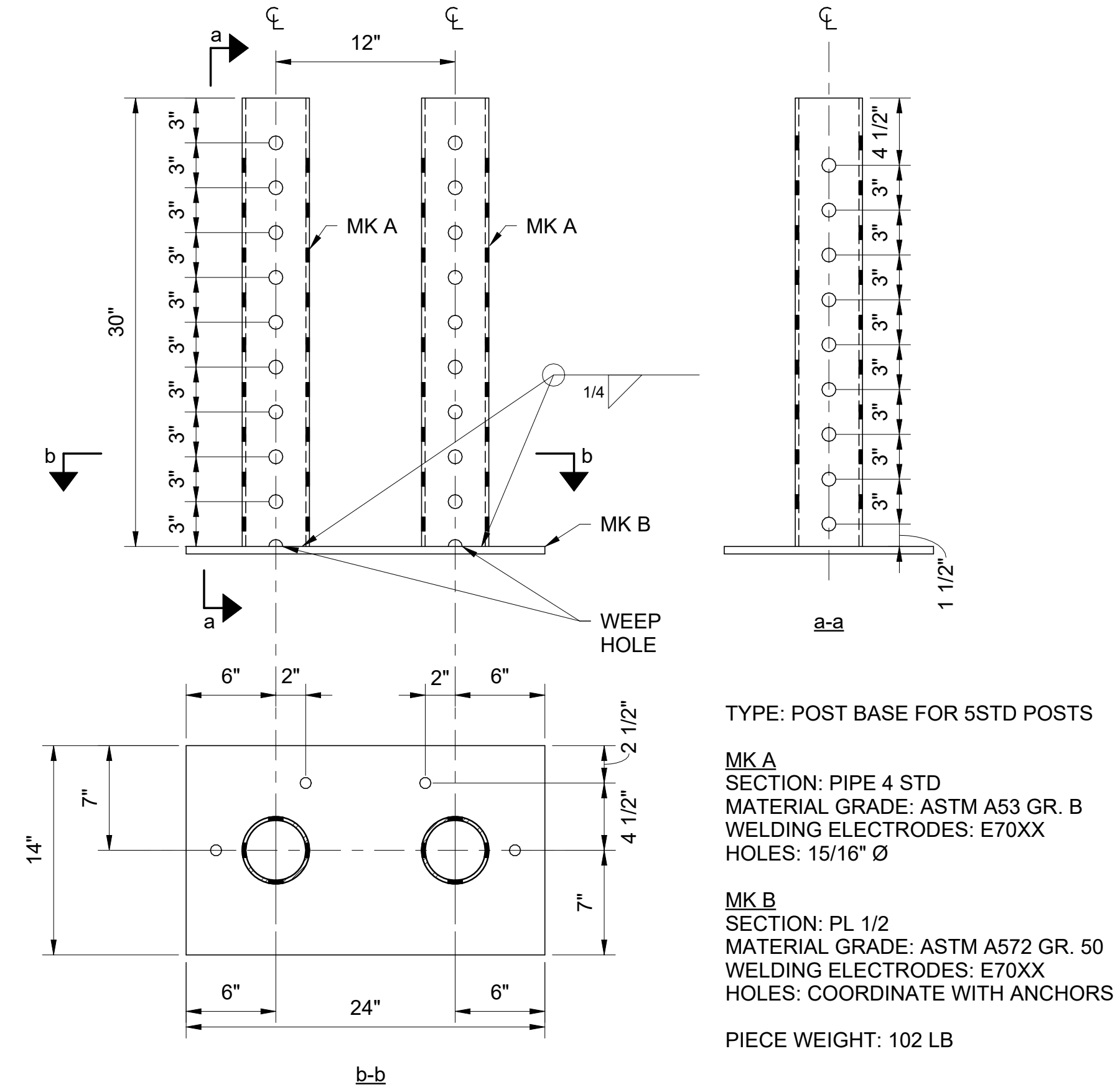
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Drawing Title
PARTS & PIECES

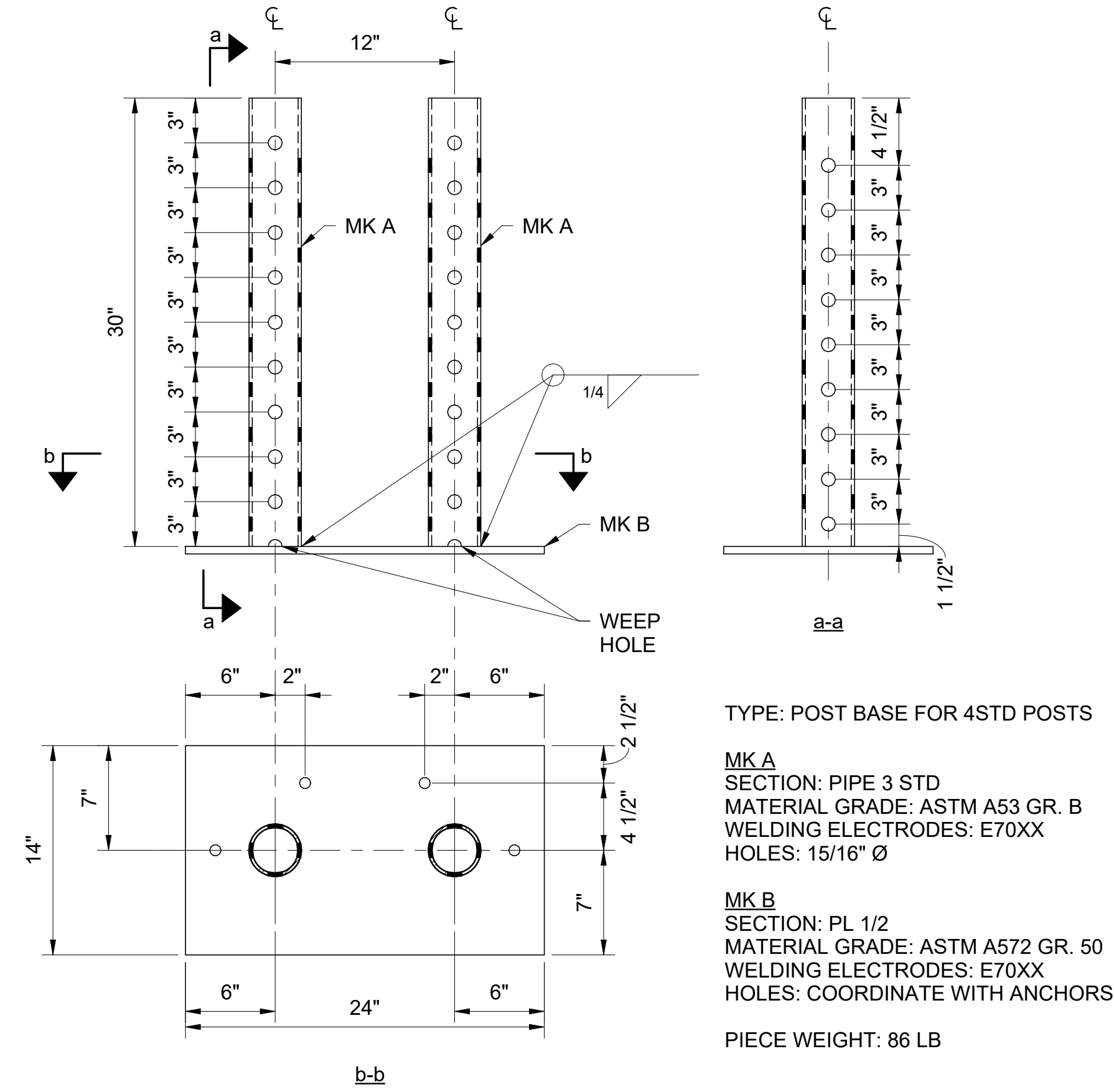
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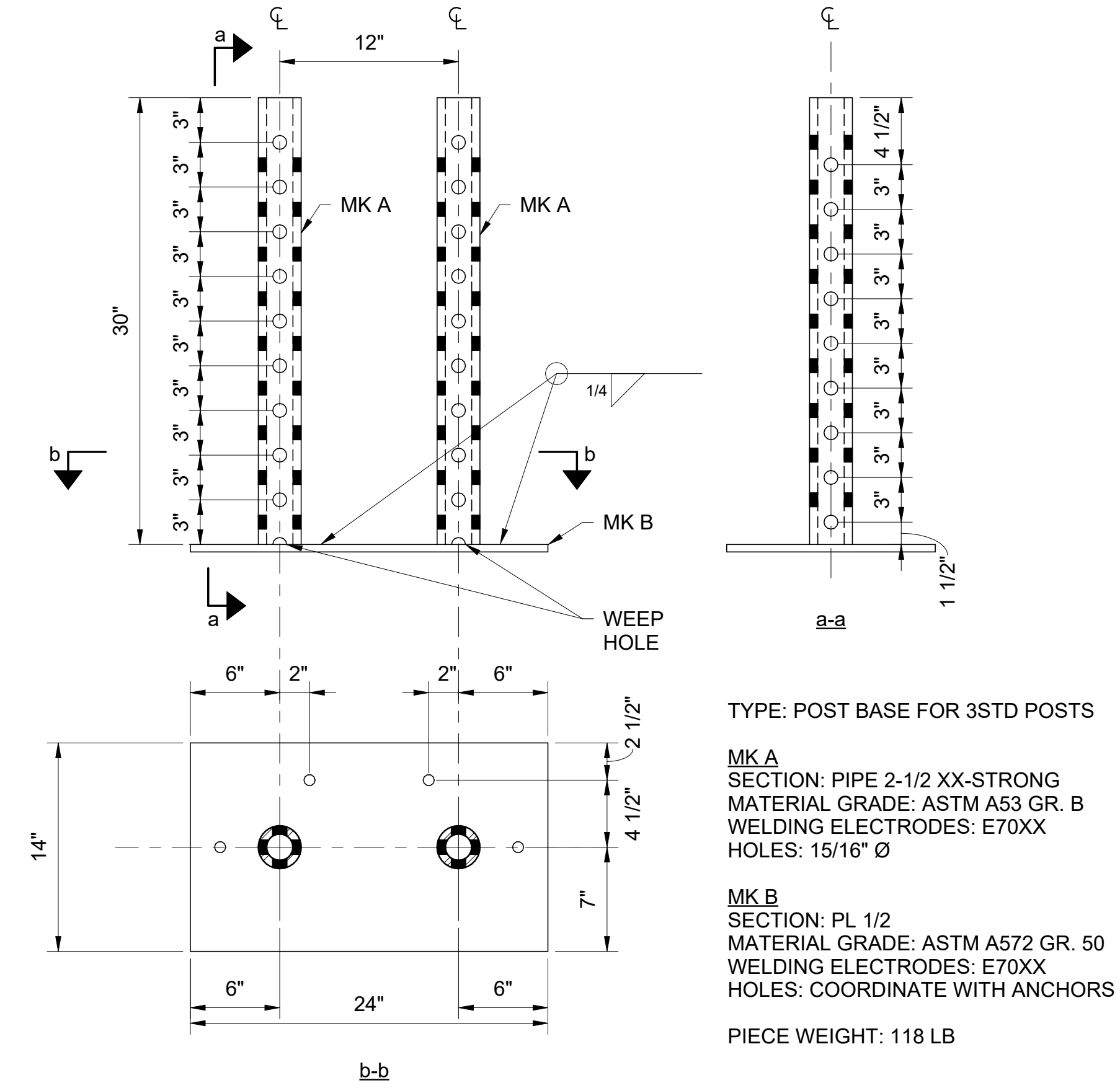
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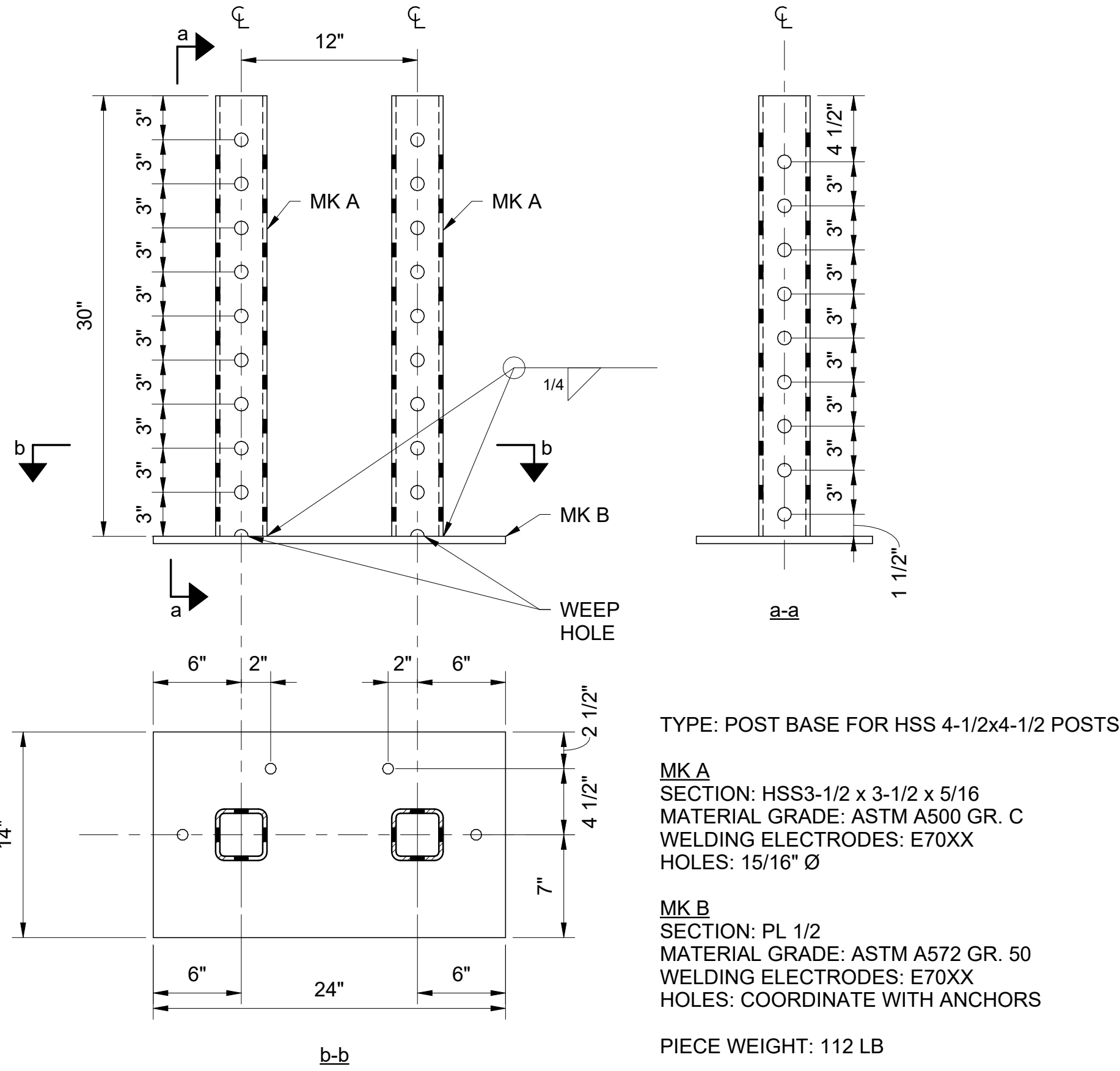
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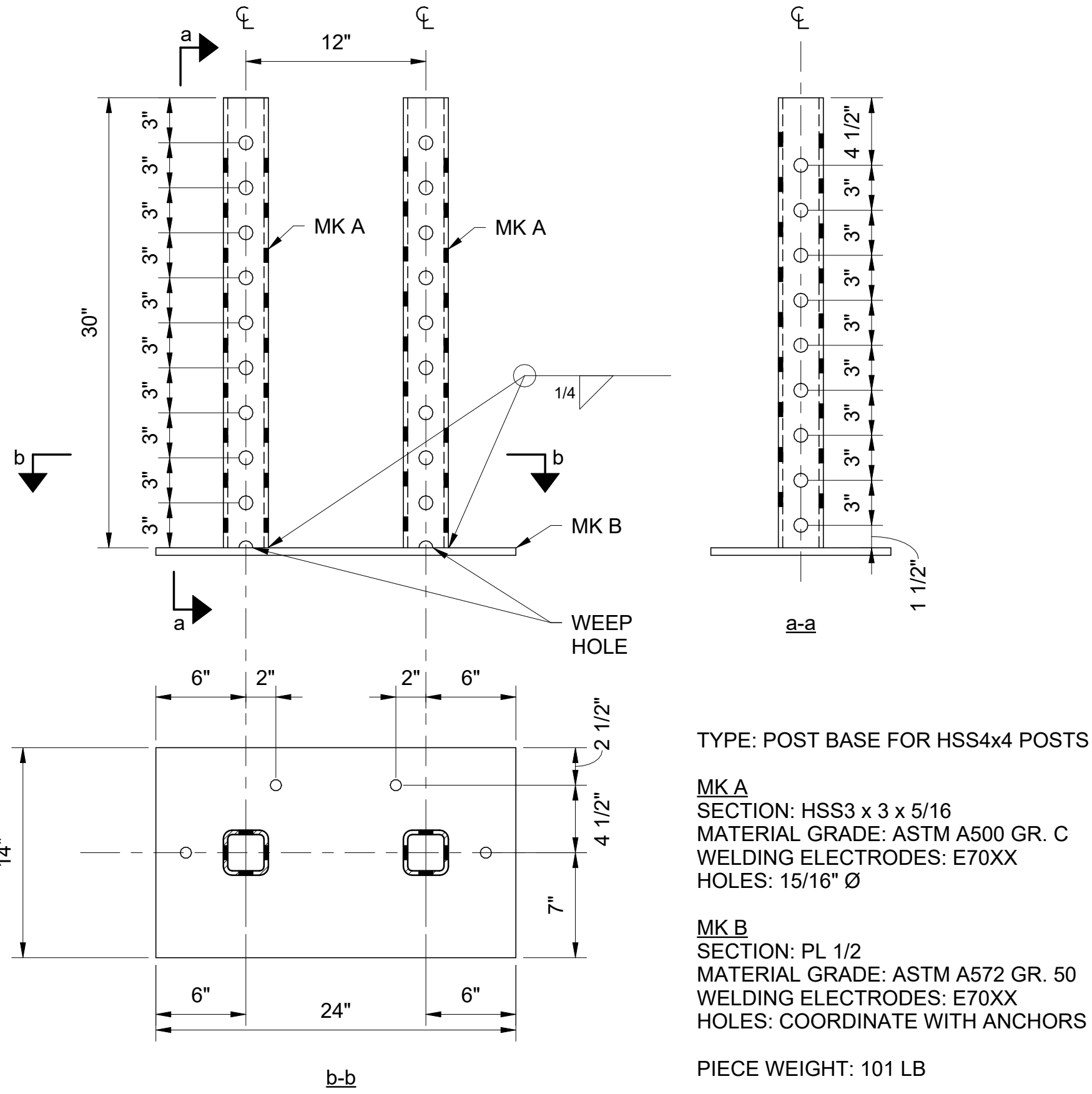
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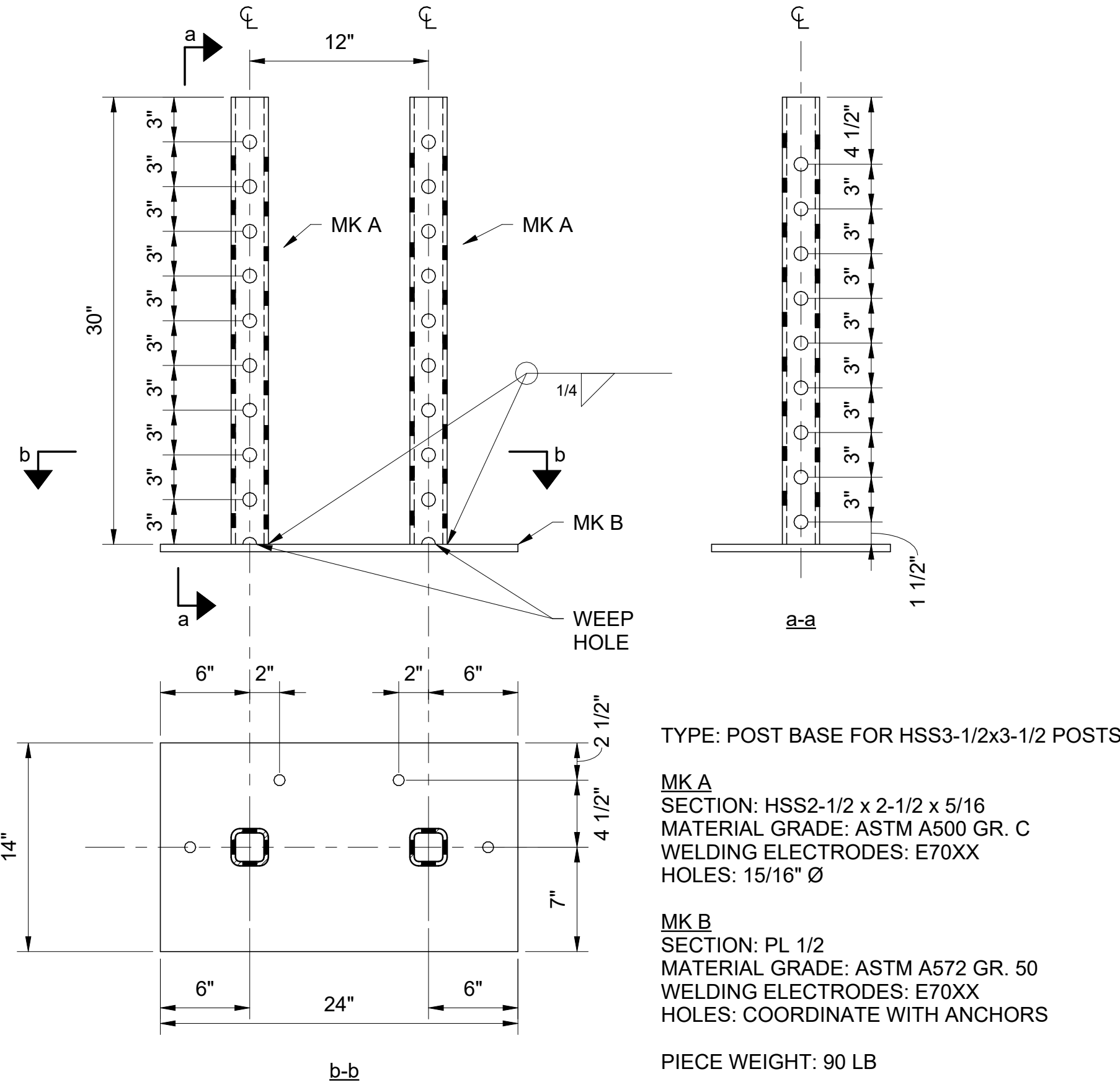
PIECE B12:



PIECE B11:



PIECE B10:



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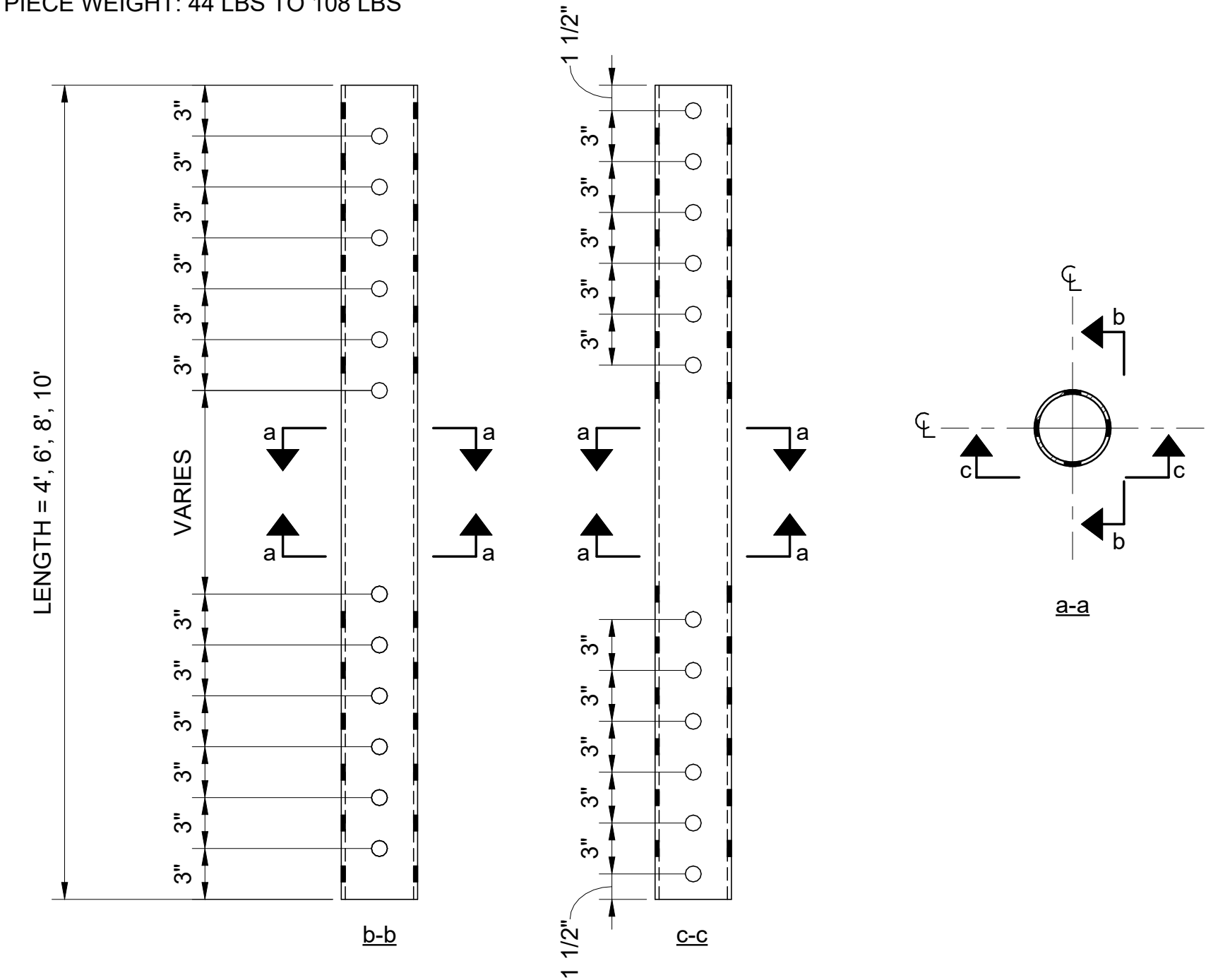
Drawing Title
PARTS & PIECES

Drawing Number:

PPD-B13

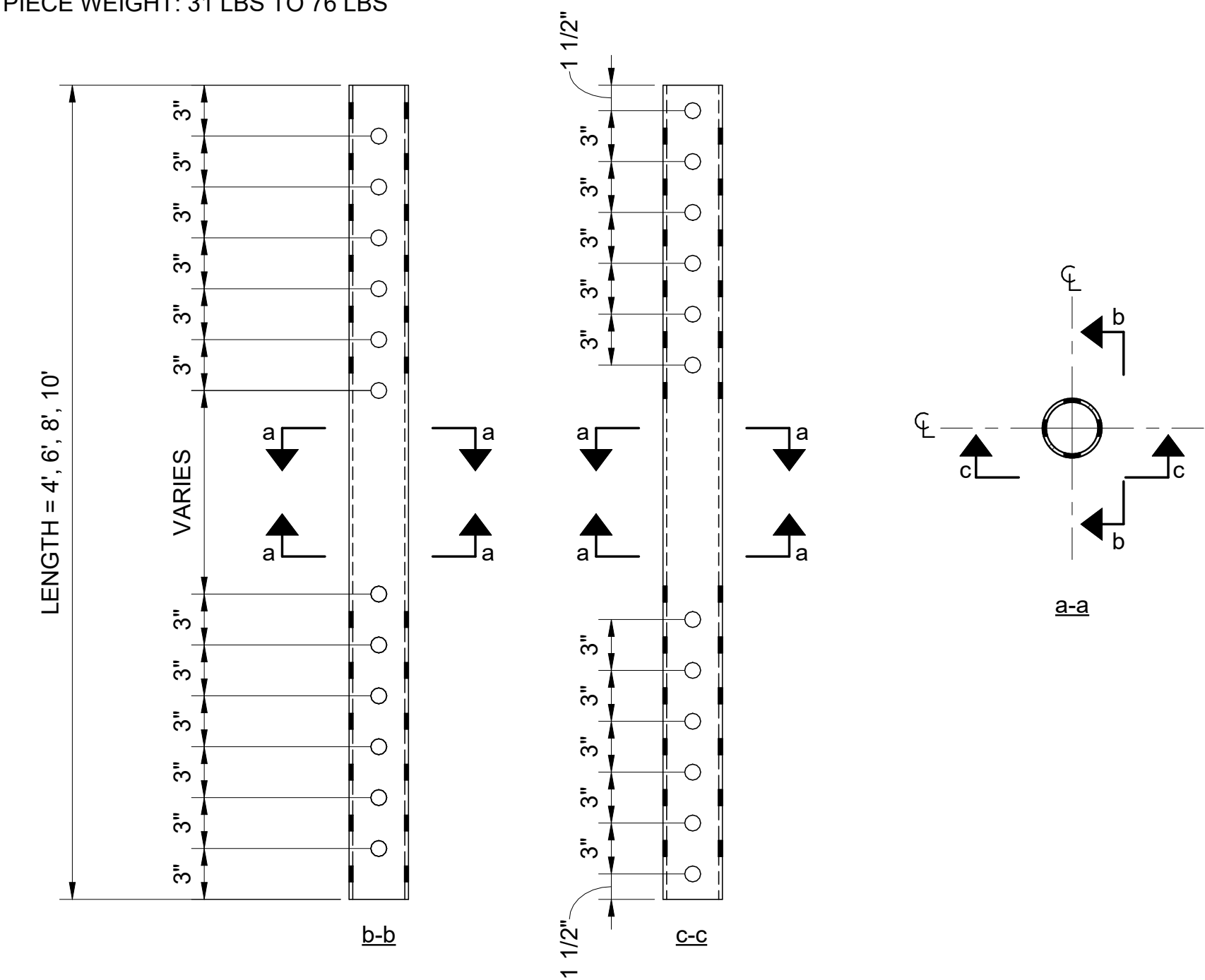
PIECE B15:

TYPE: POST EXTENSION FOR 5STD POSTS
SECTION: PIPE 4 STD
MATERIAL GRADE: ASTM A53 GR. B
HOLES: 15/16" Ø
PIECE WEIGHT: 44 LBS TO 108 LBS



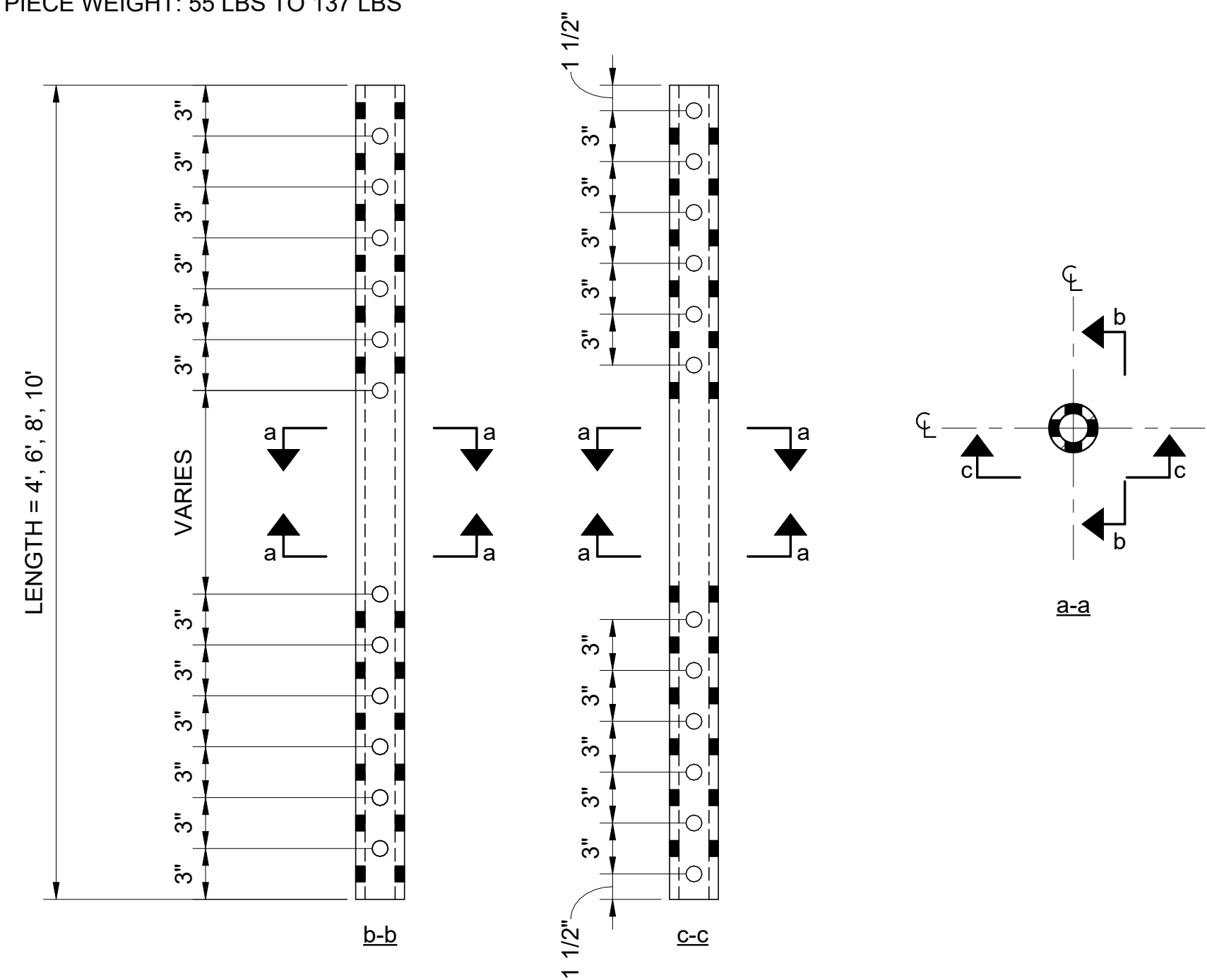
PIECE B14:

TYPE: POST EXTENSION FOR 4STD POSTS
SECTION: PIPE 3 STD
MATERIAL GRADE: ASTM A53 GR. B
HOLES: 15/16" Ø
PIECE WEIGHT: 31 LBS TO 76 LBS



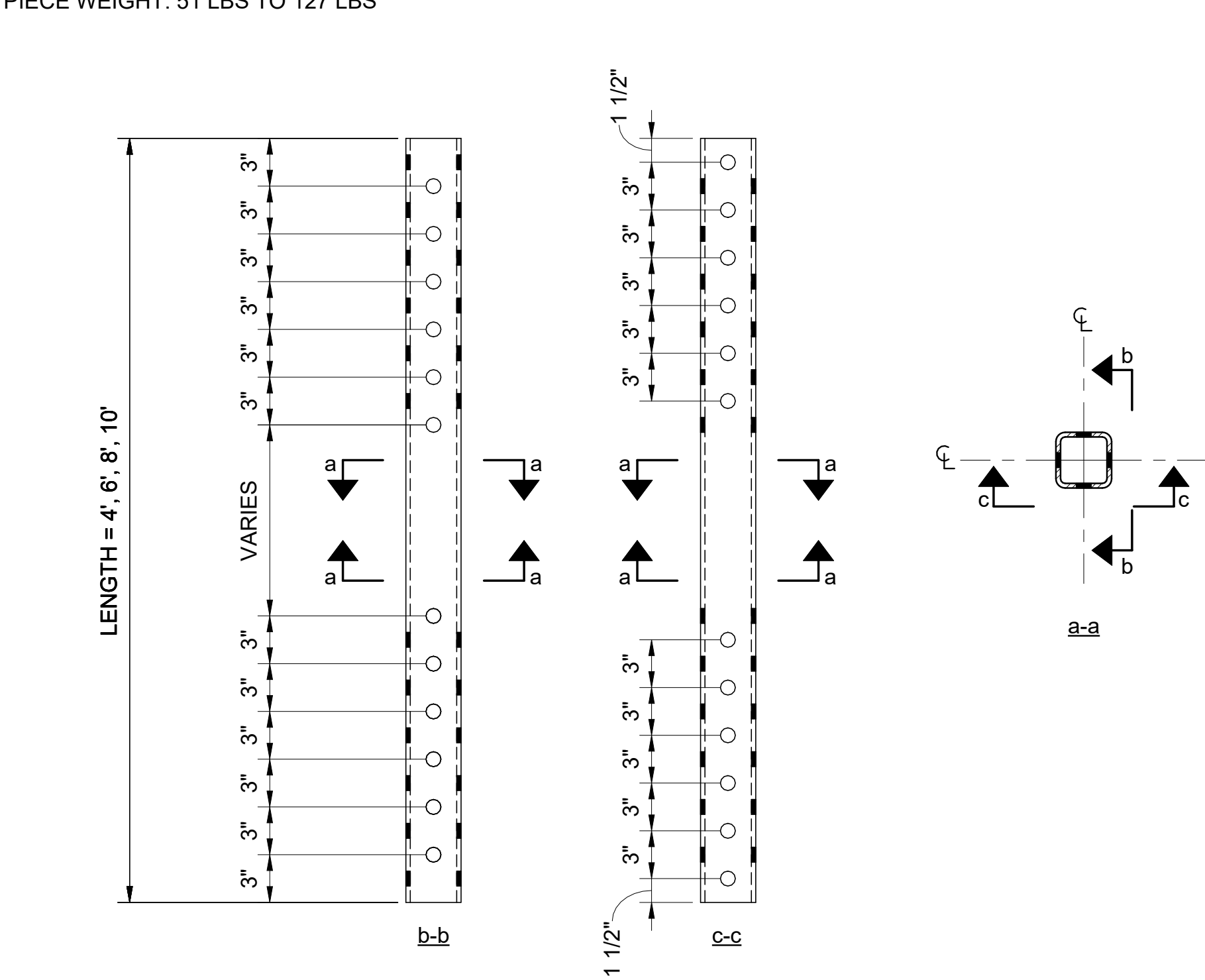
PIECE B13:

TYPE: POST EXTENSION FOR 3STD POSTS
SECTION: PIPE 2-1/2 XX-STRONG
MATERIAL GRADE: ASTM A53 GR. B
HOLES: 15/16" Ø
PIECE WEIGHT: 55 LBS TO 137 LBS



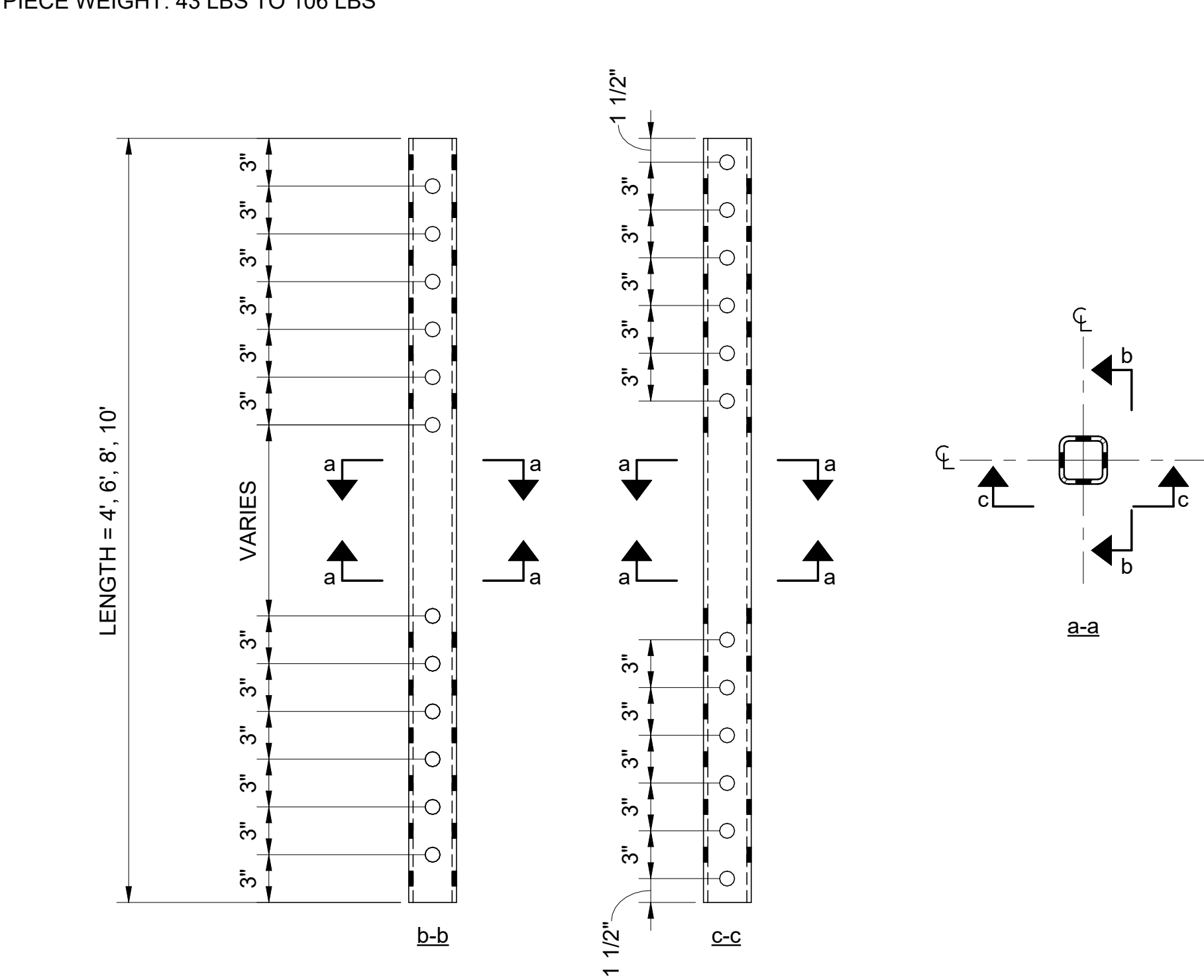
PIECE B18:

TYPE: POST EXTENSION FOR HSS4-1/2x4-1/2 POSTS
SECTION: HSS3-1/2x3-1/2x5/16
MATERIAL GRADE: ASTM A53 GR. B
HOLES: 15/16" Ø
PIECE WEIGHT: 51 LBS TO 127 LBS



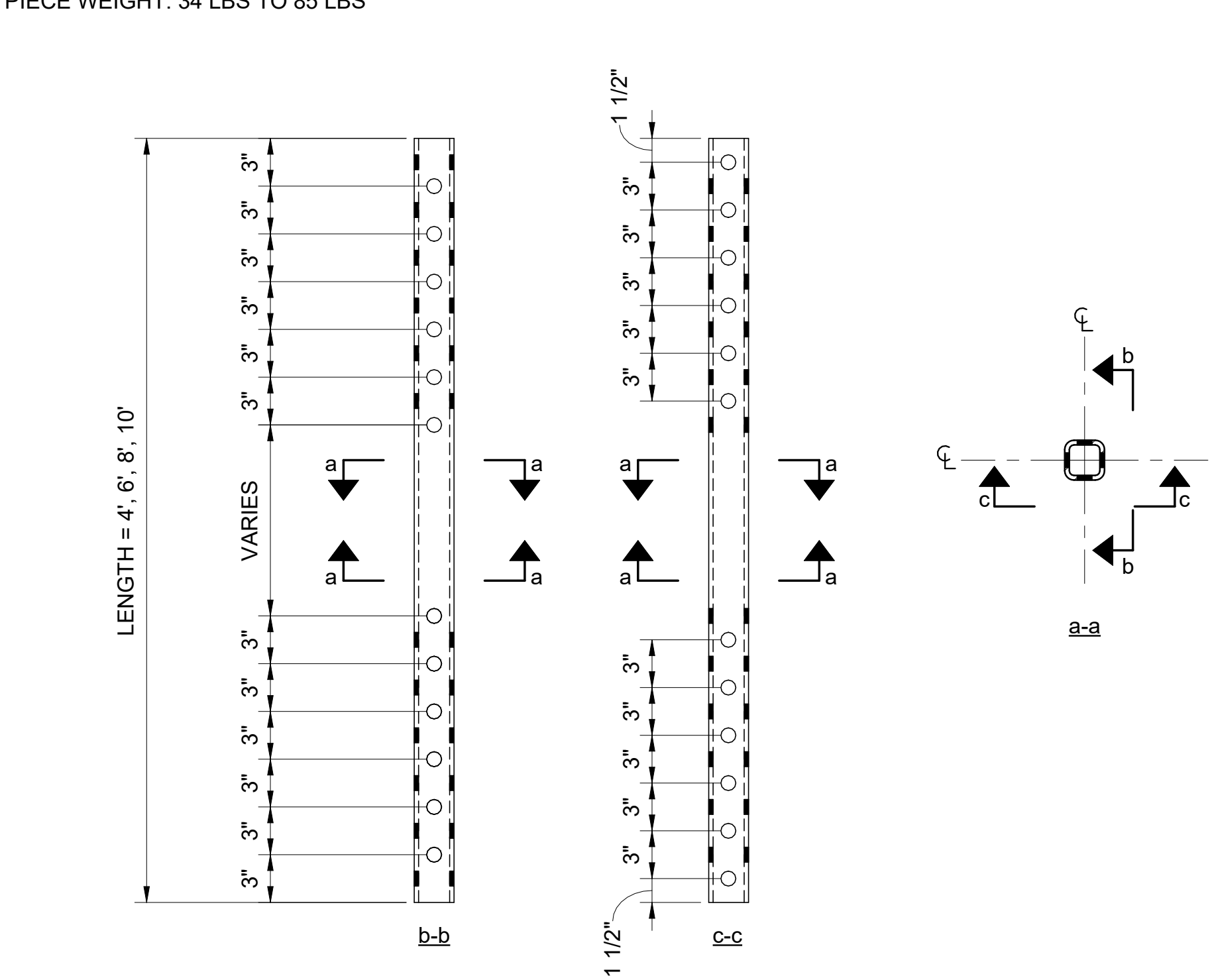
PIECE B17:

TYPE: POST EXTENSION FOR HSS4x4 POSTS
SECTION: HSS3x3x5/16
MATERIAL GRADE: ASTM A53 GR. B
HOLES: 15/16" Ø
PIECE WEIGHT: 43 LBS TO 106 LBS



PIECE B16:

TYPE: POST EXTENSION FOR HSS3-1/2x3-1/2 POSTS
SECTION: HSS2-1/2x2-1/2x5/16
MATERIAL GRADE: ASTM A53 GR. B
HOLES: 15/16" Ø
PIECE WEIGHT: 34 LBS TO 85 LBS



PIECE B20:

TYPE: GIRDER
SECTION: C10x20
MATERIAL GRADE: ASTM A572 GR. 50
HOLES: 15/16" Ø
PIECE WEIGHT: 120 LBS TO 400 LBS

PIECE B22:

TYPE: JUNIOR BEAM
SECTION: MC8x18.7
MATERIAL GRADE: ASTM A572 GR. 50
HOLES: 15/16" Ø
PIECE WEIGHT: 113 LBS TO 187 LBS

PIECE B24:

TYPE: JUNIOR BEAM
SECTION: MC10X25
MATERIAL GRADE: ASTM A572 GR. 50
HOLES: 15/16" Ø
PIECE WEIGHT: 150 LBS TO 250 LBS

PIECE B26:

TYPE: JUNIOR BEAM
SECTION: MC10X41.1
MATERIAL GRADE: ASTM A572 GR. 50
HOLES: 15/16" Ø
PIECE WEIGHT: 247 LBS TO 411 LBS

PIECE B28:

TYPE: FRAME BEAM
SECTION: C10X20
MATERIAL GRADE: ASTM A572 GR. 50
HOLES: 15/16" Ø
PIECE WEIGHT: 160 LBS TO 400 LBS

PIECE B30:

TYPE: FRAME BEAM
SECTION: MC10x28.5
MATERIAL GRADE: ASTM A572 GR. 50
HOLES: 15/16" Ø
PIECE WEIGHT: 228 LBS TO 570 LBS

PIECE 19:

TYPE: GIRDER
SECTION: C10x15.3
MATERIAL GRADE: ASTM A572 GR. 50
HOLES: 15/16" Ø
PIECE WEIGHT: 92 LBS TO 306 LBS

PIECE B21:

TYPE: JUNIOR BEAM
SECTION: C8x11.5
MATERIAL GRADE: ASTM A572 GR. 50
HOLES: 15/16" Ø
PIECE WEIGHT: 69 LBS TO 115 LBS

PIECE B23:

TYPE: JUNIOR BEAM
SECTION: MC8x22.8
MATERIAL GRADE: ASTM A572 GR. 50
HOLES: 15/16" Ø
PIECE WEIGHT: 137 LBS TO 228 LBS

PIECE B25:

TYPE: JUNIOR BEAM
SECTION: MC10X28.5
MATERIAL GRADE: ASTM A572 GR. 50
HOLES: 15/16" Ø
PIECE WEIGHT: 171 LBS TO 285 LBS

PIECE B27:

TYPE: FRAME BEAM
SECTION: C10x15.3
MATERIAL GRADE: ASTM A572 GR. 50
HOLES: 15/16" Ø
PIECE WEIGHT: 123 LBS TO 306 LBS

PIECE B29:

TYPE: FRAME BEAM
SECTION: MC10x22
MATERIAL GRADE: ASTM A572 GR. 50
HOLES: 15/16" Ø
PIECE WEIGHT: 176 LBS TO 440 LBS

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DESCRIPTION

DATE

1

FOR CAPA REVIEW

06.25.2026

Pedestrian Protection Designs

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PARTS & PIECES

Drawing Number:

PPD-B14

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PIECE B41: POST CURB LINK SECTION: PL 1/2" MATERIAL GRADE: ASTM A572 GR. 50 HOLES: 15/16" Ø UON PIECE WEIGHT: 5 LBS	PIECE B40: POST CURB LINK SECTION: PL 1/2" MATERIAL GRADE: ASTM A572 GR. 50 HOLES: 15/16" Ø UON PIECE WEIGHT: 6 LBS	PIECE B31: GIRDER SPLICE TUBE FOR 3STD AND HSS3-1/2x3-1/2 POSTS SECTION: HSS3-1/2x3-1/2x5/16 MATERIAL GRADE: ASTM A500 GR. C HOLES: 15/16" Ø UON PIECE WEIGHT: 77 LBS
PIECE B43: BUILDING EDGE PLATE SECTION: PL5/16 MATERIAL GRADE: ASTM A572 GR. 50 HOLES: AS SHOWN PIECE WEIGHT: 26 LBS	PIECE B42: JUNIOR BEAM SHEAR TAB SECTION: PL 7/16" MATERIAL GRADE: ASTM A572 GR. 50 HOLES: 15/16" Ø UON PIECE WEIGHT: 6 LBS	PIECE B32: GIRDER SPLICE TUBE FOR HSS4x4 POSTS SECTION: HSS4x4x5/16 MATERIAL GRADE: ASTM A500 GR. C HOLES: 15/16" Ø UON PIECE WEIGHT: 89 LBS
PIECE B44: HSS SQUARE TUBE KNUCKLE CONNECTION FOR SCAFFOLD MEMBER SECTION: PL 1/2" MATERIAL GRADE: ASTM A572 GR. 50 HOLES: 15/16" Ø UON PIECE WEIGHT: 31 LBS D = POST DIAMETER, SEE MATRIX	PIECE B33: GIRDER SPLICE TUBE FOR 4STD AND HSS4-1/2x4-1/2 POSTS SECTION: HSS4-1/2x4-1/2x5/16 MATERIAL GRADE: ASTM A500 GR. C HOLES: 15/16" Ø UON PIECE WEIGHT: 102 LBS	
PIECE B45: HSS SQUARE TUBE KNUCKLE CONNECTION FOR FRAME MEMBER SECTION: PL 1/2" MATERIAL GRADE: ASTM A572 GR. 50 HOLES: 15/16" Ø UON PIECE WEIGHT: 18 LBS D = POST DIAMETER, SEE MATRIX	PIECE B34: GIRDER SPLICE TUBE FOR 5STD POSTS SECTION: HSS5-1/2x5-1/2x5/16 MATERIAL GRADE: ASTM A500 GR. C HOLES: 15/16" Ø UON PIECE WEIGHT: 128 LBS	
PIECE B46: HSS PIPE KNUCKLE CONNECTION FOR SCAFFOLD MEMBER SECTION: PL 1/2" MATERIAL GRADE: ASTM A572 GR. 50 HOLES: 15/16" Ø UON PIECE WEIGHT: 15 LBS D = POST DIAMETER, SEE MATRIX	PIECE B35: CURB ARM MK A SECTION: WT5x15 MATERIAL GRADE: ASTM A572 GR. 50 HOLES: 15/16" DIA., UON MK B SECTION: PL 3/8 MATERIAL GRADE: ASTM A572 GR. 50 HOLES: 15/16" DIA., UON COMBINED PIECE WEIGHT: 100 LB	
PIECE B47: HSS PIPE KNUCKLE CONNECTION FOR FRAME MEMBER SECTION: PL 1/2" MATERIAL GRADE: ASTM A572 GR. 50 HOLES: 15/16" Ø UON PIECE WEIGHT: 13 LBS D = POST DIAMETER, SEE MATRIX	PIECE B37: HSS GIRDER SPACER FOR 4STD AND HSS4-1/2x4-1/2 POSTS SECTION: HSS4-1/2x4-1/2x5/16 MATERIAL GRADE: ASTM A500 GR. C HOLES: 15/16" Ø UON PIECE WEIGHT: 15 LBS	PIECE B36: HSS GIRDER SPACER FOR 3STD AND HSS3-1/2x3-1/2 POSTS SECTION: HSS3-1/2x3-1/2x5/16 MATERIAL GRADE: ASTM A500 GR. C HOLES: 15/16" Ø UON PIECE WEIGHT: 11 LBS
PIECE B48: PIPE & HSS SQUARE TUBE KNUCKLE CONNECTION WASHER SECTION: PL 1/2" MATERIAL GRADE: ASTM A572 GR. 50 HOLES: 15/16" Ø UON PIECE WEIGHT: 5 LBS D = POST DIAMETER, SEE MATRIX	PIECE B39: HSS GIRDER SPACER FOR 5STD POSTS SECTION: HSS5-1/2x5-1/2x5/16 MATERIAL GRADE: ASTM A500 GR. C HOLES: 15/16" Ø UON PIECE WEIGHT: 18 LBS	PIECE B38: HSS GIRDER SPACER FOR HSS4x4 POSTS SECTION: HSS4x4x5/16 MATERIAL GRADE: ASTM A500 GR. C HOLES: 15/16" Ø UON PIECE WEIGHT: 13 LBS

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NO.	DESCRIPTION	DATE
1	FOR CAPA REVIEW	06.25.2026

Pedestrian Protection Designs

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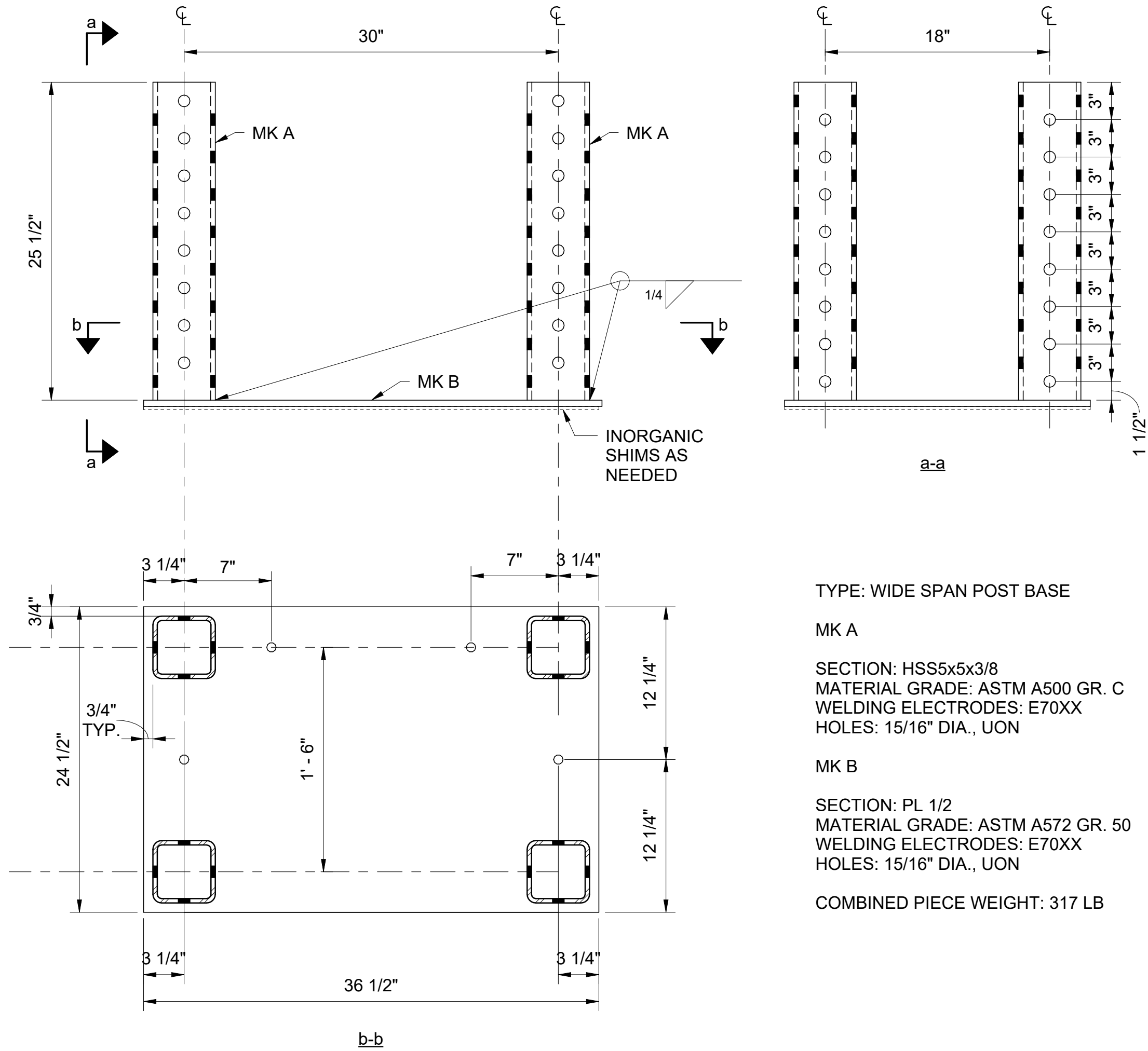
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PARTS & PIECES

Drawing Number:

PPD-B15

PIECE B52:



TYPE: WIDE SPAN POST BASE

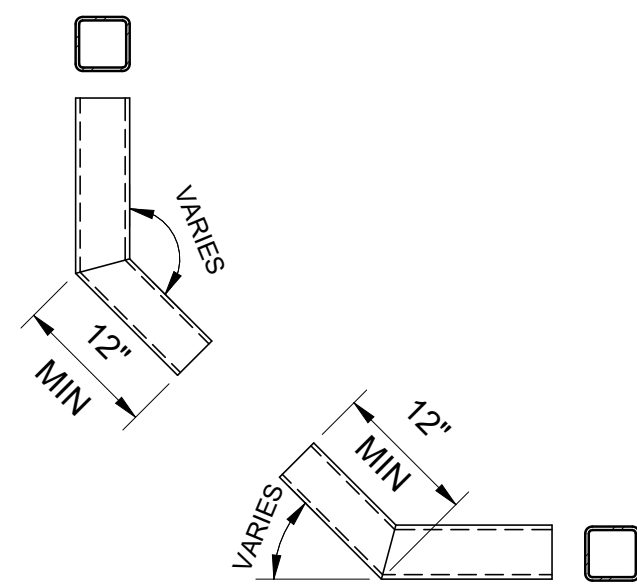
MK A
SECTION: HSS5x5x3/8
MATERIAL GRADE: ASTM A500 GR. C
WELDING ELECTRODES: E70XX
HOLES: 15/16" DIA., UON

MK B
SECTION: PL 1/2
MATERIAL GRADE: ASTM A572 GR. 50
WELDING ELECTRODES: E70XX
HOLES: 15/16" DIA., UON

COMBINED PIECE WEIGHT: 317 LB

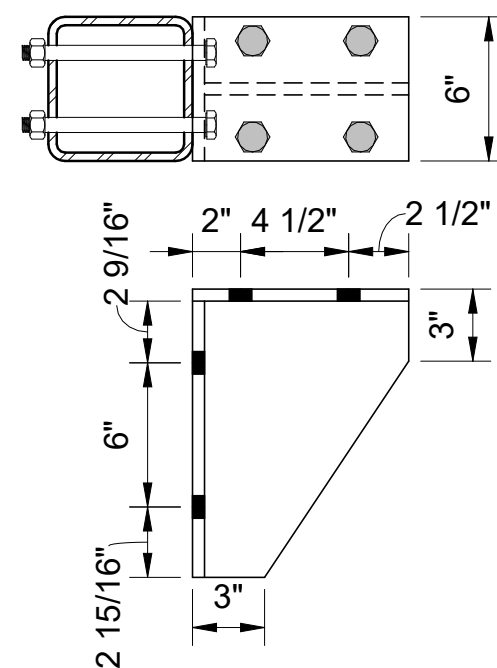
PIECE B54:

TYPE: CORNER BEAM
SECTION: HSS4-1/2x4-1/2x5/16
MATERIAL GRADE: ASTM A500 GR. C
HOLES: 15/16" DIA., UON
PIECE WEIGHT = VARIES



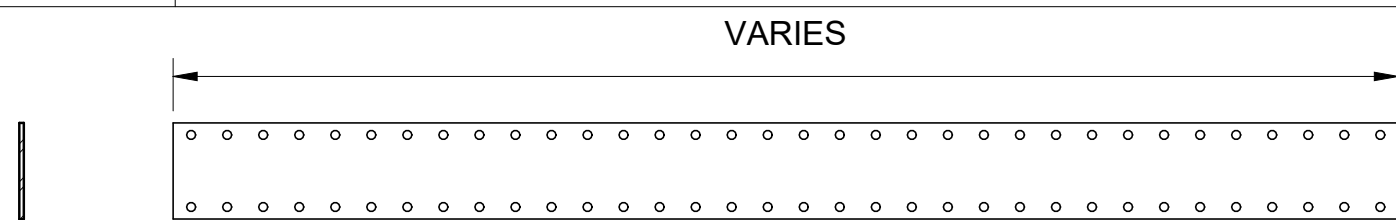
PIECE B53:

TYPE: WIDE SPAN BEAM SUPPORT
SECTION: PL 1/2"
MATERIAL GRADE: ASTM A500 GR. C
HOLES: 15/16" DIA., UON
PIECE WEIGHT = 33 LBS



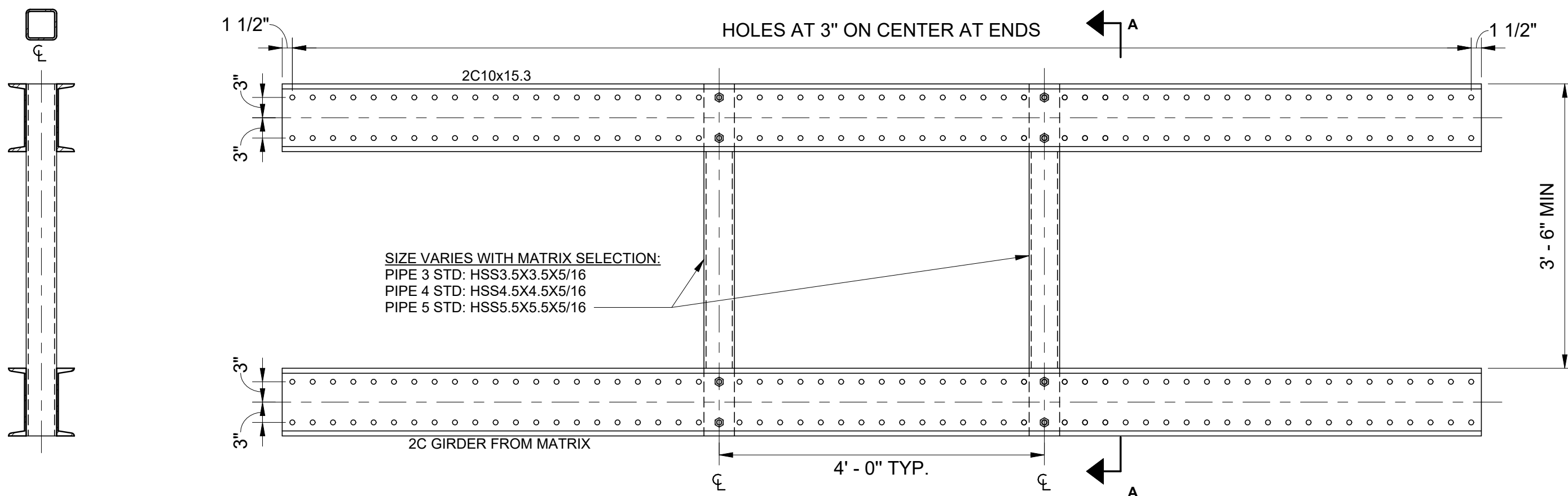
PIECE B55:

TYPE: WIDE SPAN BEAM SUPPORT
SECTION: PL 1/2"
MATERIAL GRADE: ASTM A500 GR. C
HOLES: 15/16" DIA., UON
PIECE WEIGHT = VARIES



PIECE B56:

TYPE: BUILDING SIDE TRUSS
SECTION: SEE LABELS
MATERIAL GRADE: ASTM A500 GR. C
HOLES: 15/16" DIA., UON
PIECE WEIGHT = 550 LBS TO 978 LBS



PIECE B49:

TYPE: WIDE SPAN HIGH POST GROUP

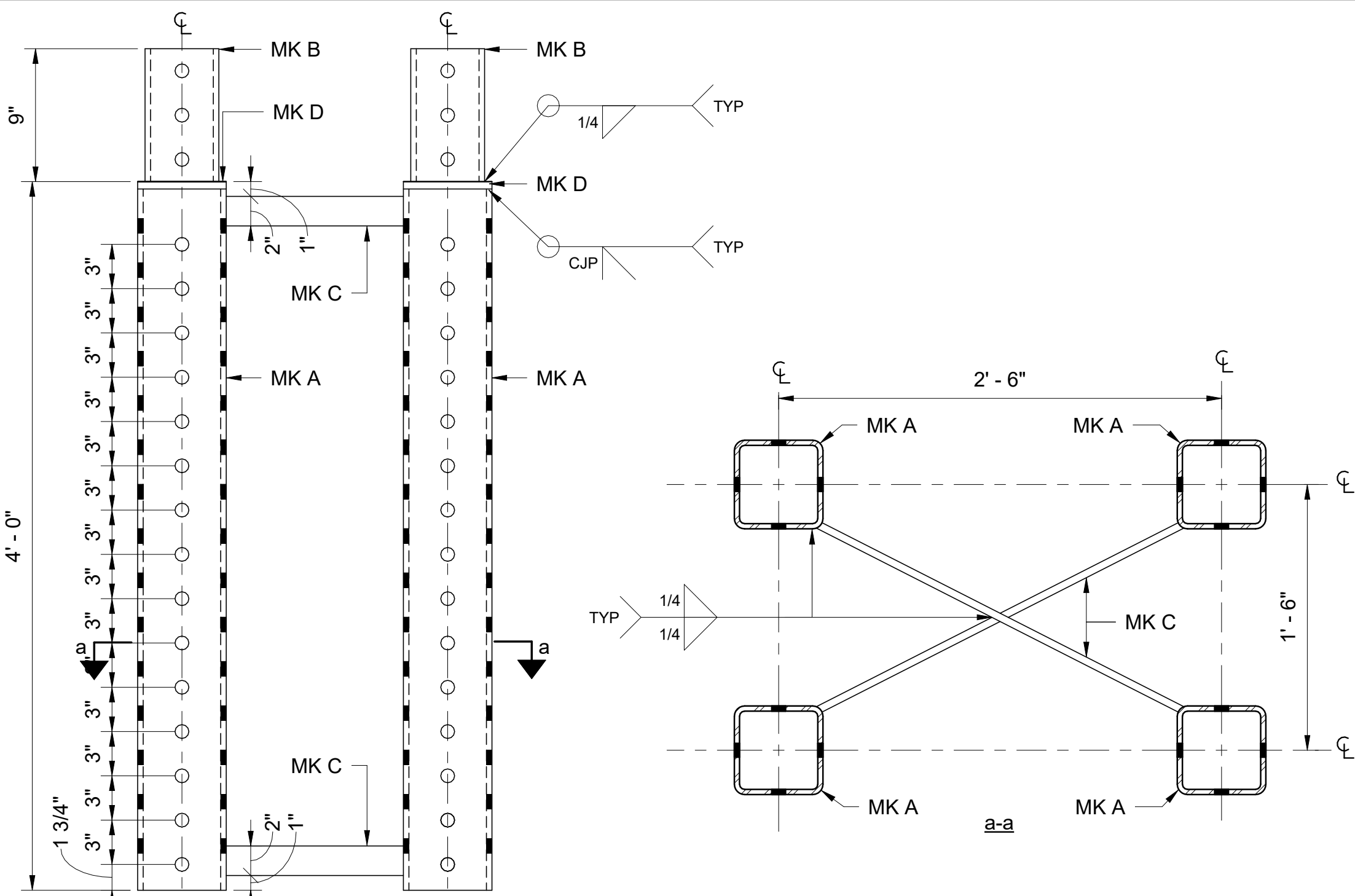
MK A
SECTION: HSS6x6x3/8
MATERIAL GRADE: ASTM A500 GR. C
HOLES: 15/16" DIA., UON

MK B
SECTION: HSS5x5x3/8
MATERIAL GRADE: ASTM A500 GR. C
HOLES: 15/16" DIA., UON

MK C
SECTION: PL5/16 X 2"
MATERIAL GRADE: ASTM A572 GR50
WELDING ELECTRODES: E70XX

MK D
SECTION: PL1/2 CAP PLATE
MATERIAL GRADE: ASTM A572 GR50
WELDING ELECTRODES: E70XX

COMBINED PIECE WEIGHT = 547 LBS



PIECE B50:

TYPE: WIDE SPAN MID POST GROUP

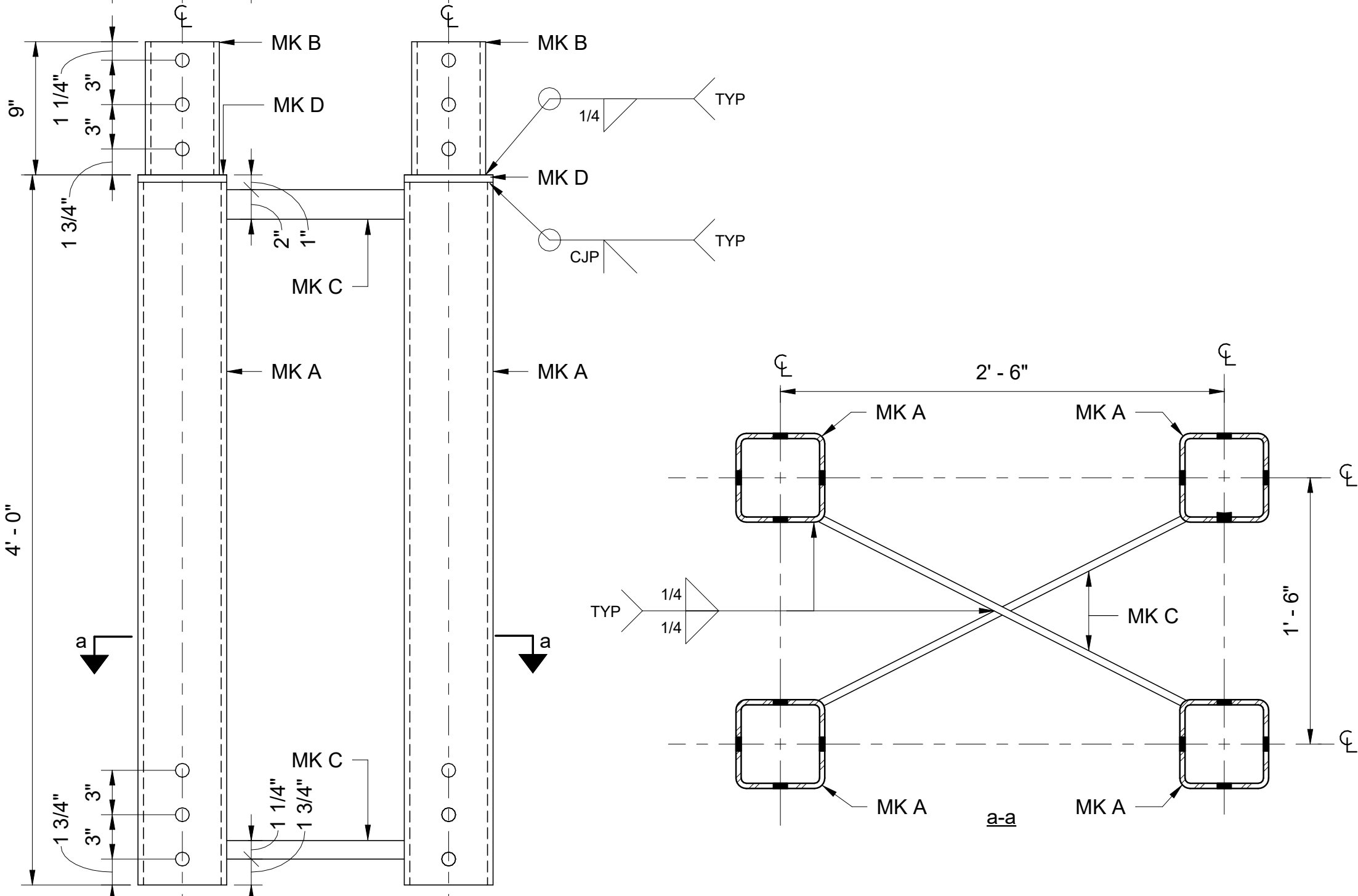
MK A
SECTION: HSS6x6x3/8
MATERIAL GRADE: ASTM A500 GR. C
HOLES: 15/16" DIA., UON

MK B
SECTION: HSS5x5x3/8
MATERIAL GRADE: ASTM A500 GR. C
HOLES: 15/16" DIA., UON

MK C
SECTION: PL5/16 X 2"
MATERIAL GRADE: ASTM A572 GR50
WELDING ELECTRODES: E70XX

MK D
SECTION: PL1/2 CAP PLATE
MATERIAL GRADE: ASTM A572 GR50
WELDING ELECTRODES: E70XX

COMBINED PIECE WEIGHT = 547 LBS



PIECE B51:

TYPE: WIDE SPAN LOW POST GROUP

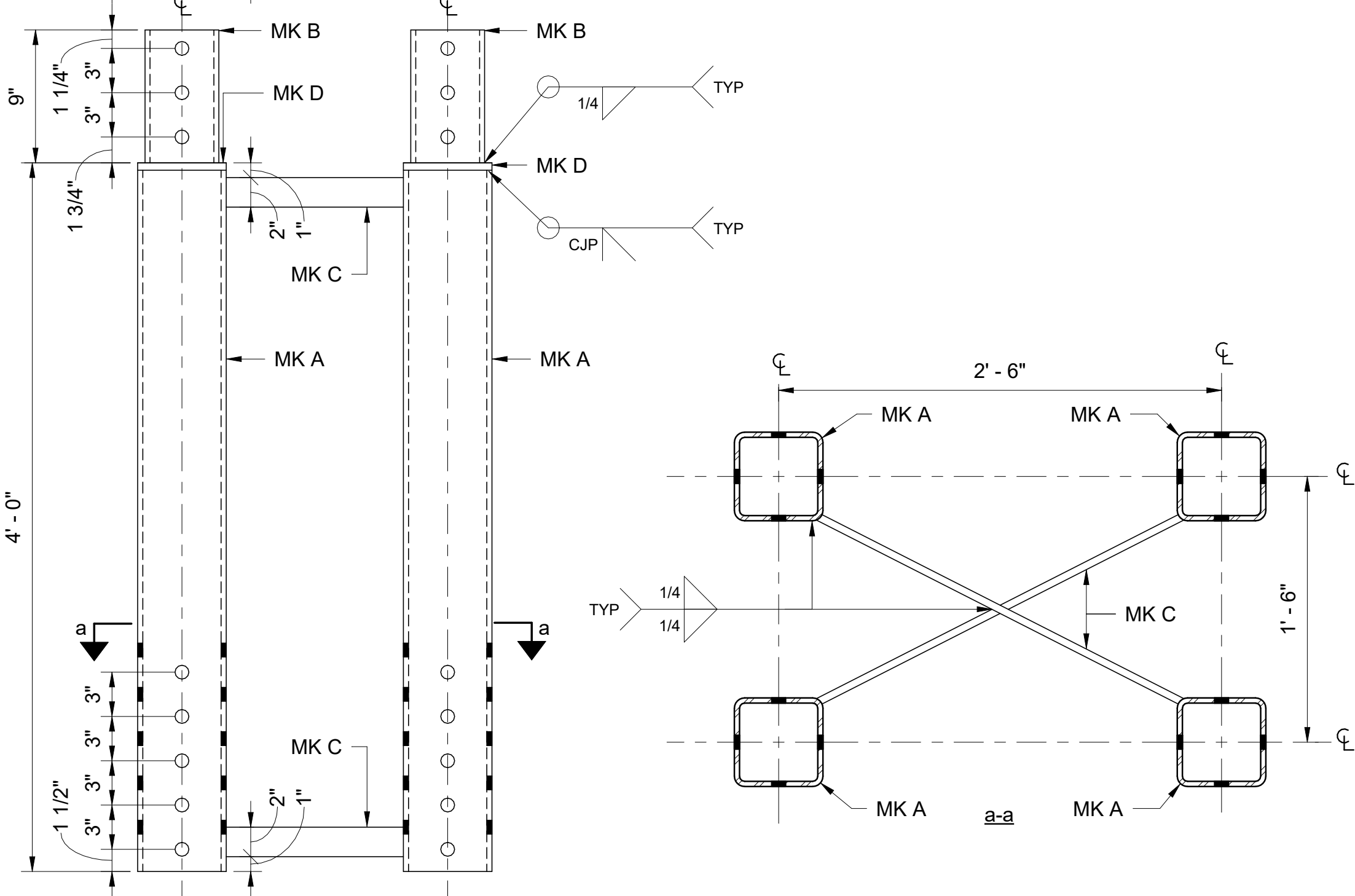
MK A
SECTION: HSS6x6x3/8
MATERIAL GRADE: ASTM A500 GR. C
HOLES: 15/16" DIA., UON

MK B
SECTION: HSS5x5x3/8
MATERIAL GRADE: ASTM A500 GR. C
HOLES: 15/16" DIA., UON

MK C
SECTION: PL5/16 X 2"
MATERIAL GRADE: ASTM A572 GR50
WELDING ELECTRODES: E70XX

MK D
SECTION: PL1/2 CAP PLATE
MATERIAL GRADE: ASTM A572 GR50
WELDING ELECTRODES: E70XX

COMBINED PIECE WEIGHT = 547 LBS



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