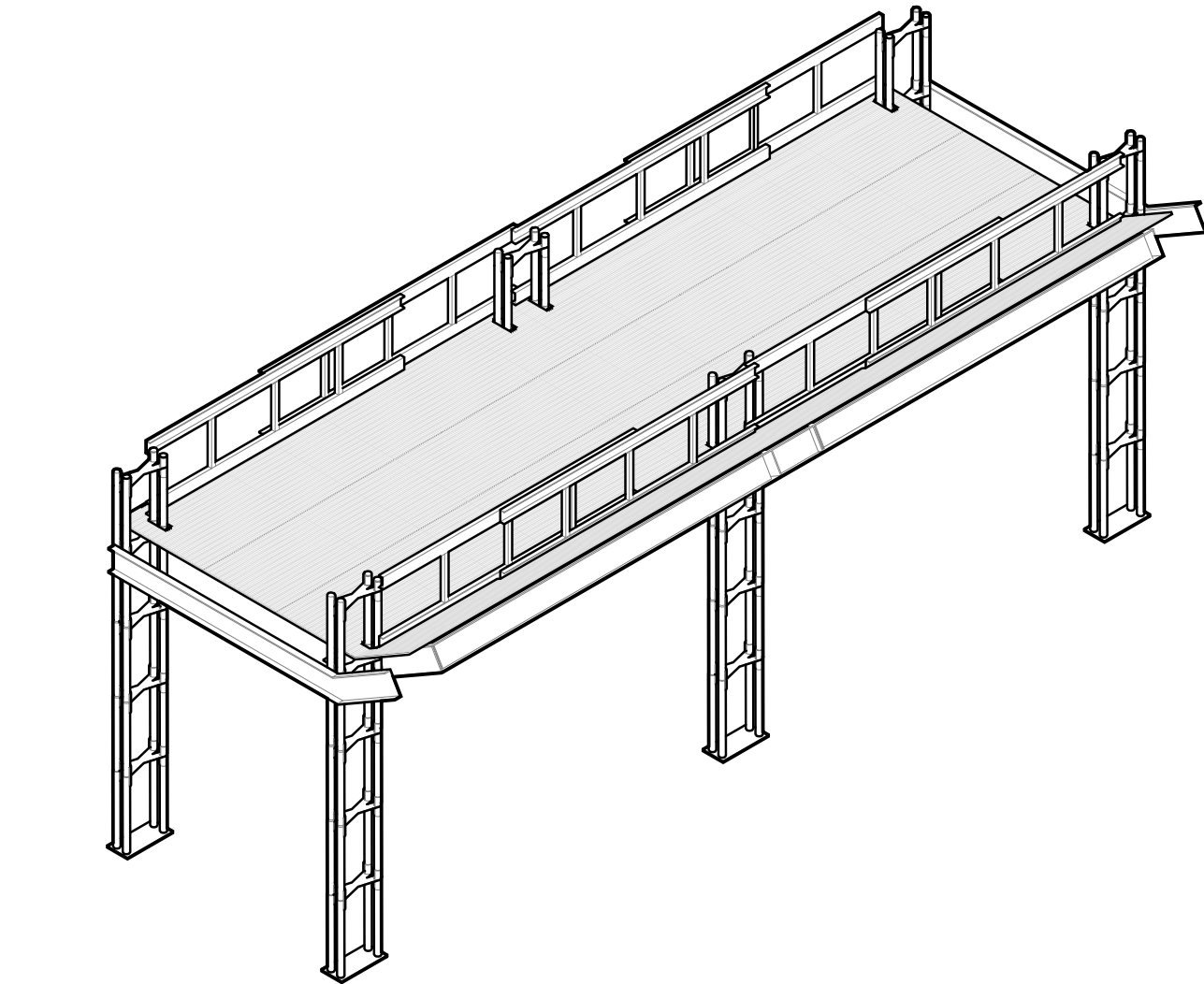




WIDE BASELINE SHED

NYC DOB PEDESTRIAN PROTECTION

DRAWING LIST	
SHEET NO	NAME
PPD-W0	COVER SHEET & DRAWING LIST
PPD-W1	GENERAL NOTES & SPECIFICATIONS
PPD-W2	TYPICAL PLAN, SECTION & MATRIX
PPD-W3	TYPICAL DETAILS
PPD-W4	TYPICAL DETAILS
PPD-W5	TYPICAL DETAILS
PPD-W6	SPECIAL CONDITION - CORNER
PPD-W7	SPECIAL CONDITION - WIDE SPANS
PPD-W8	PARTS & PIECES
PPD-W9	PARTS & PIECES
PPD-W10	PARTS & PIECES



USE CASE: THE WIDE BASELINE SHED SERVES SIDEWALKS WIDER THAN 16 FEET. IT ALSO ACCOMMODATES SCAFFOLDING AND USES HEAVY DUTY COLUMNS SPACED FAR APART TO MINIMIZE OBSTRUCTIONS ON MAJOR THOROUGHFARES.

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

GENERAL NOTES:

DESIGN REQUIREMENTS

- 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

- 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.
- 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.
- 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.
- CONTRACTOR SHALL ENSURE THAT STRUCTURAL MEMBERS USED FOR A SIDEWALK SHED INSTALLATION 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

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

- PROVIDE TEMPORARY BRACING AND SHORING AS NEEDED FOR TEMPORARY STABILITY DURING ERECTION.
- PERFORM SPECIAL INSPECTIONS, BOTH SHOP AND FIELD, AS REQUIRED BY THE NEW YORK CITY BUILDING CODE.
- PERFORM REGULAR INSPECTION OF THE INSTALLED SHED PER THE REQUIREMENTS OF NYCBC 3307.6.5.

- 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:

- 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.

SPECIFICATIONS:

PERFORMANCE / DESIGN CRITERIA

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

STRUCTURAL STEEL

- 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
JOISTS: FY = 50 KSI
- BOLTING
A. ALL BOLTED CONNECTIONS SHALL BE MADE WITH ASTM A325 TYPE 1 BOLTS, 3/4" DIAMETER MINIMUM WITH ASTM A563 NUTS 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.
- 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.
- WELDED STUDS
A. MATERIAL AND EQUIPMENT FOR WELDED STUDS SHALL CONFORM TO AWS D1, CHAPTER 7, TYPE B AND TO ASTM A108, GRADE 1010 THROUGH 1020, COLD FINISHED CARBON STEEL.
- DOUBLE CHANNELS MEMBERS SHALL BE CONNECTED BY INTERMITTENT FILLERS AND (2) A325 BOLTS AT A SPACING NOT TO EXCEED 48".
- MAINTAIN STRUCTURAL STEEL ERECTION TOLERANCES OF 1/500 OR 1 INCH, WHICHEVER IS LESS.
- PROVIDE LDPE BOLT PROTECTION CAPS, UV-STABILIZED, BLACK, AT ALL FASTENERS WITHIN REACH OF THE PUBLIC.
- STEEL JOISTS
A. PROVIDE BRIDGING AT TOP AND BOTTOM JOIST CHORDS AT LOCATIONS INDICATED IN PLAN.
B. BRIDGING IS TO BE CONNECTED TO EACH JOIST AS JOISTS ARE ERECTED, PRIOR TO INSTALLATION OF DECKING.

STEEL COATING OPTIONS

- 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.
- PAINTED
A. PPG DURANAR® ADS COATING IN COLOR 099. STAINLESS STEEL UC137919XL
- 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

- POST-INSTALLED ANCHORS SHALL BE STAINLESS STEEL WEDGE-TYPE EXPANSION ANCHORS DESIGNED IN ACCORDANCE WITH ACI 318.
- 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.

DECKING ASSEMBLY

- OPTION 1: ALUMINUM BAR GRATING WITH POLYCARBONATE
- OPTION 2: STEEL BAR GRATING WITH POLYCARBONATE
- OPTION 3: STEEL PLANK WITH POLYCARBONATE

- 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.
- 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%
- STEEL BAR GRATING
A. INSERT SPEC
B. BB
- STEEL PLANK
A. INSERT SPEC
B. BB
- 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.

BASE PLATE SHIMS

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

DEBRIS NETTING

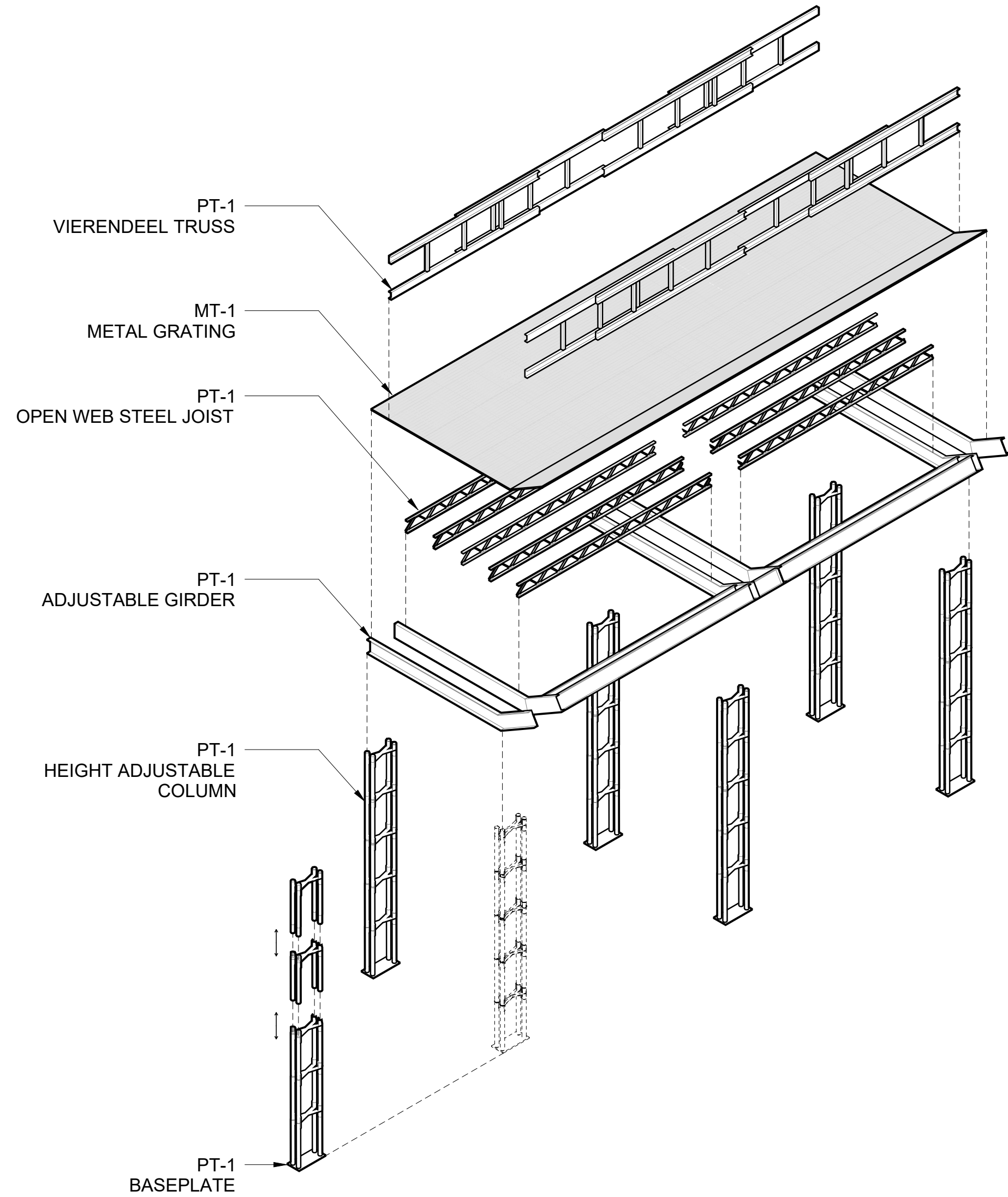
- MAX 1/2" OPENING HDPE KNITTED MESH 70% OPEN MIN.

GUTTER

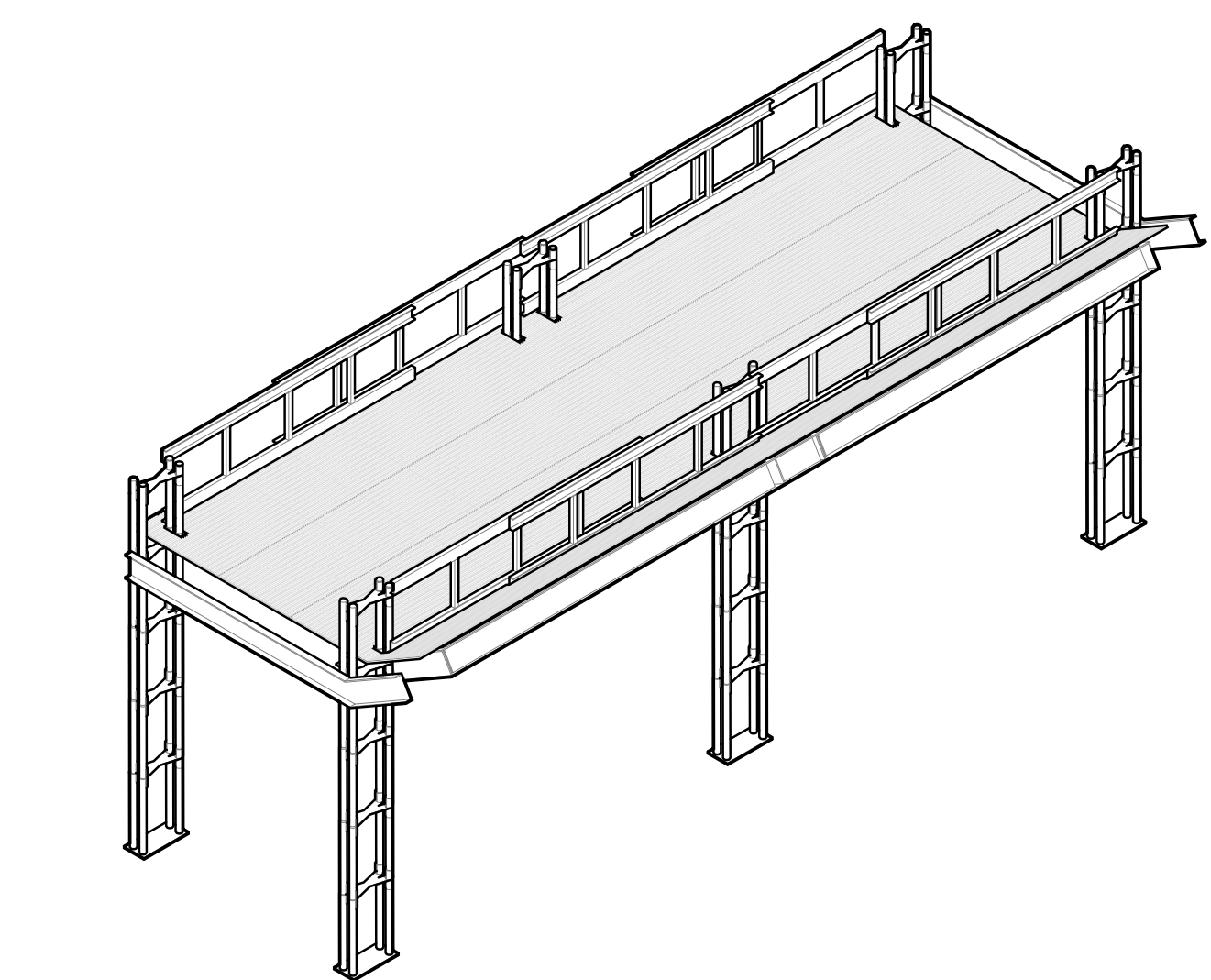
- INSERT SPEC

LIGHTING

- 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 RAW ARRAY EFFICACY WITH 80+ CRI, 4000K COLOR TEMPERATURE.
K. MOUNTING: SURFACE OR CONTINUOUS ROW FOR COVERED CEILING INSTALLATIONS ONLY.



2 EXPLODED AXON
N.T.S. FOR ILLUSTRATIVE PURPOSES ONLY



1 AXON
N.T.S. FOR ILLUSTRATIVE PURPOSES ONLY

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-2	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	PPG DURANAR® ADS COATING IN COLOR 099. STAINLESS STEEL UC137919XL

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Pedestrian Protection Designs

WIDE BASELINE
SHED

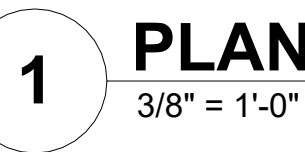
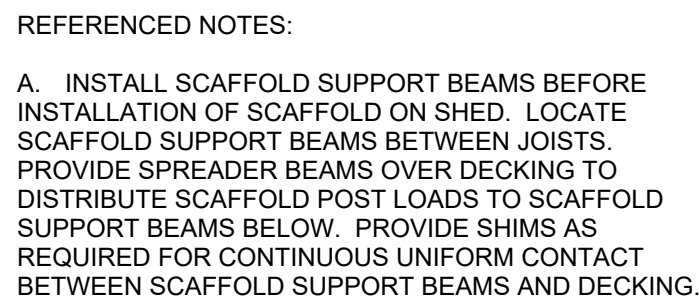
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Drawing Title

GENERAL NOTES &
SPECIFICATIONS

Drawing Number:

2 STRUCTURAL MATRICES



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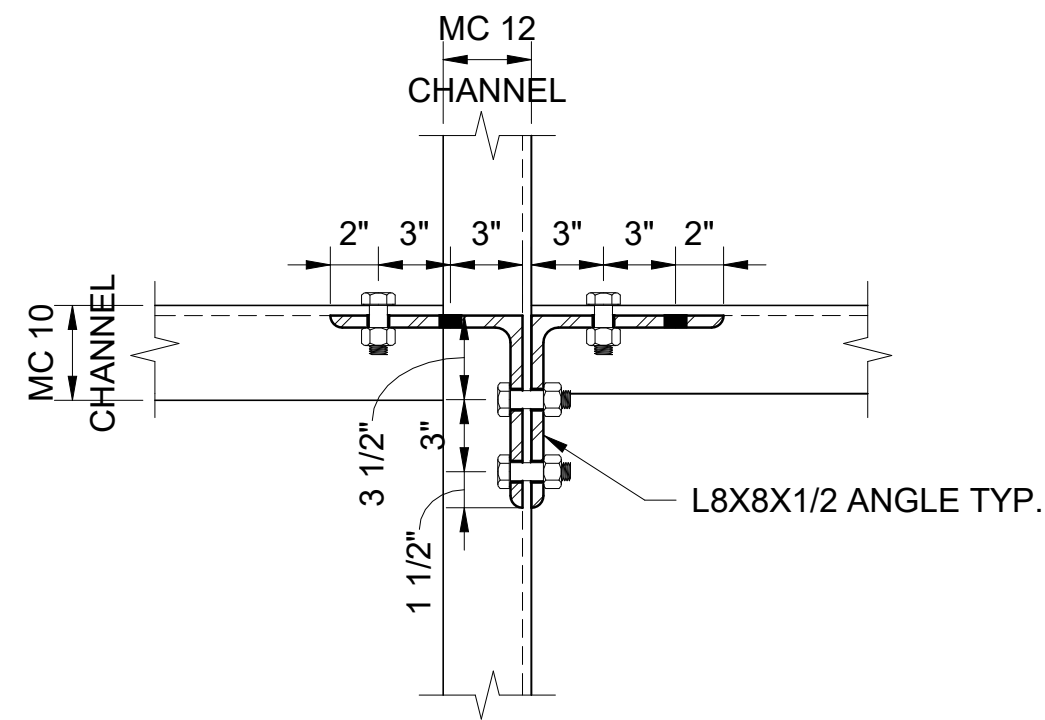
**WIDE BASELINE
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Drawing Title
TYPICAL DETAILS

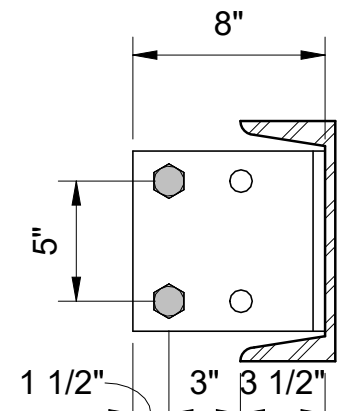
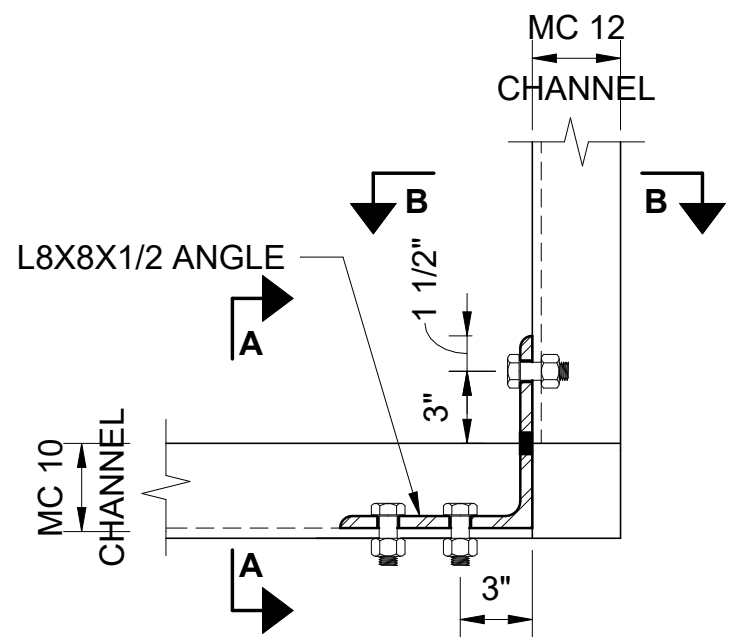
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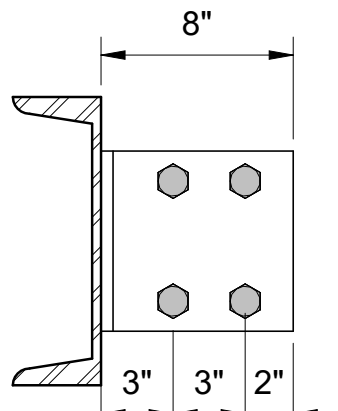


4 STREET EDGE CONNECTION - INTERIOR

1 1/2" = 1'-0"



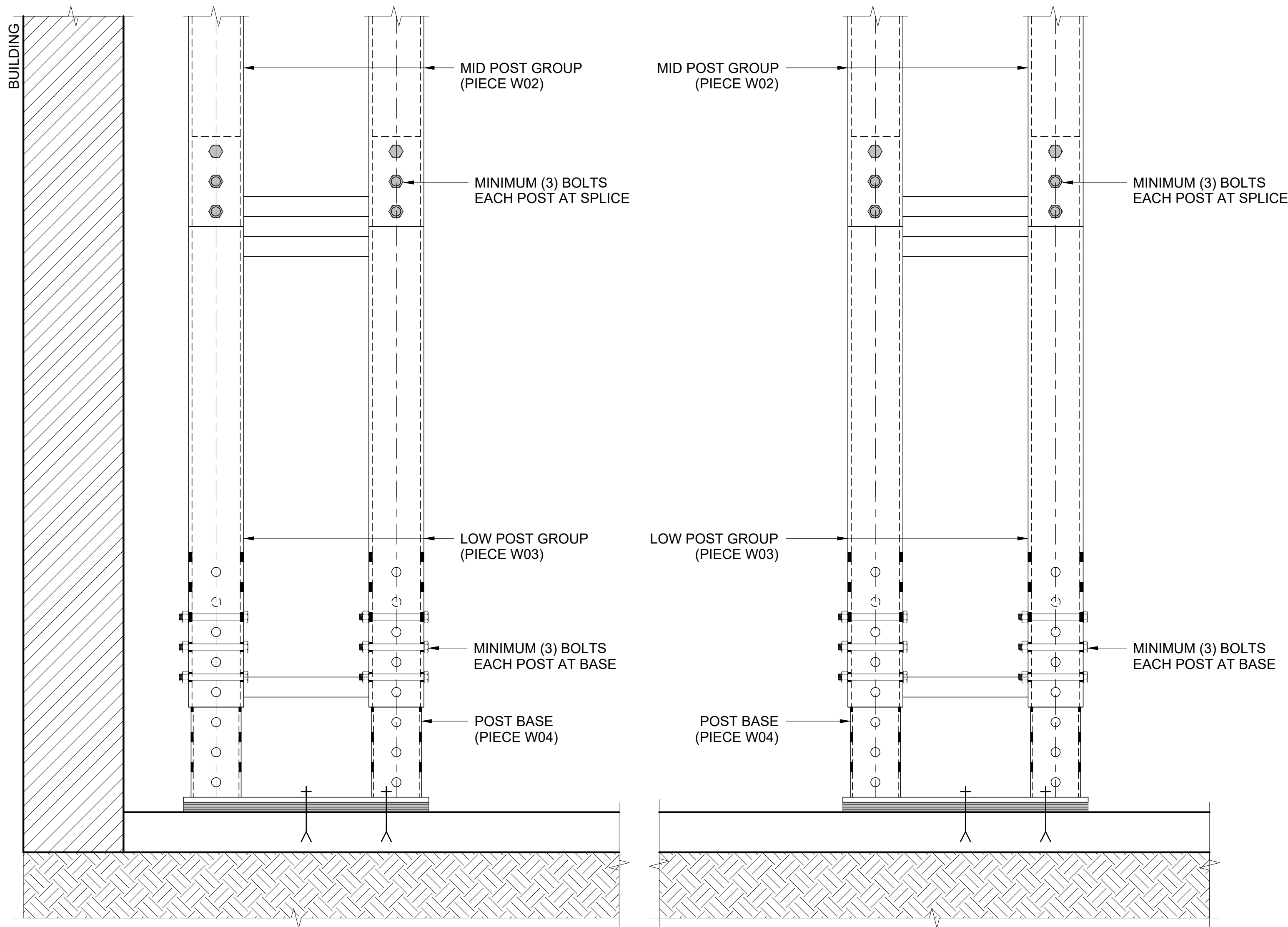
SECTION A-A



SECTION B-B

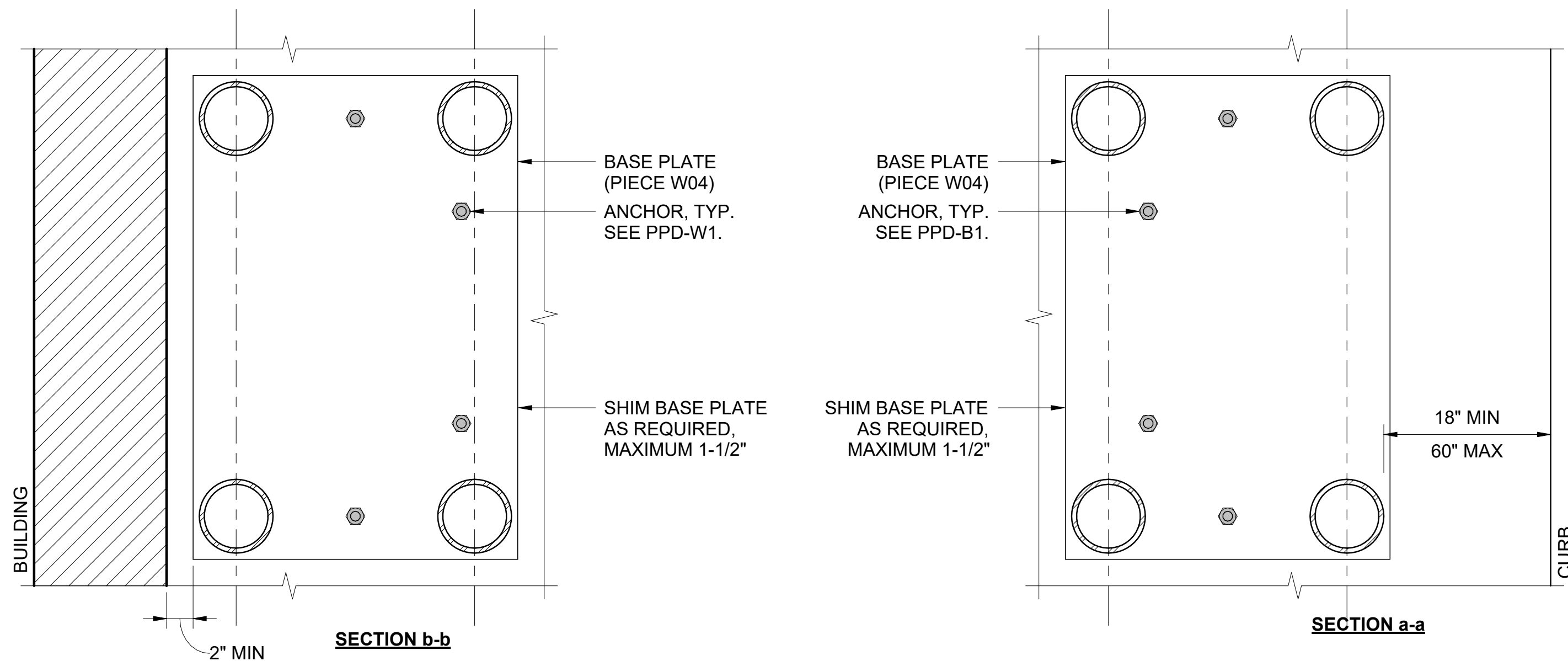
2 STREET EDGE CONNECTION - CORNER

1 1/2" = 1'-0"



3 ADJUSTABLE POST BASE - ELEVATION

1 1/2" = 1'-0"



1 ADJUSTABLE POST BASE - PLAN

1 1/2" = 1'-0"

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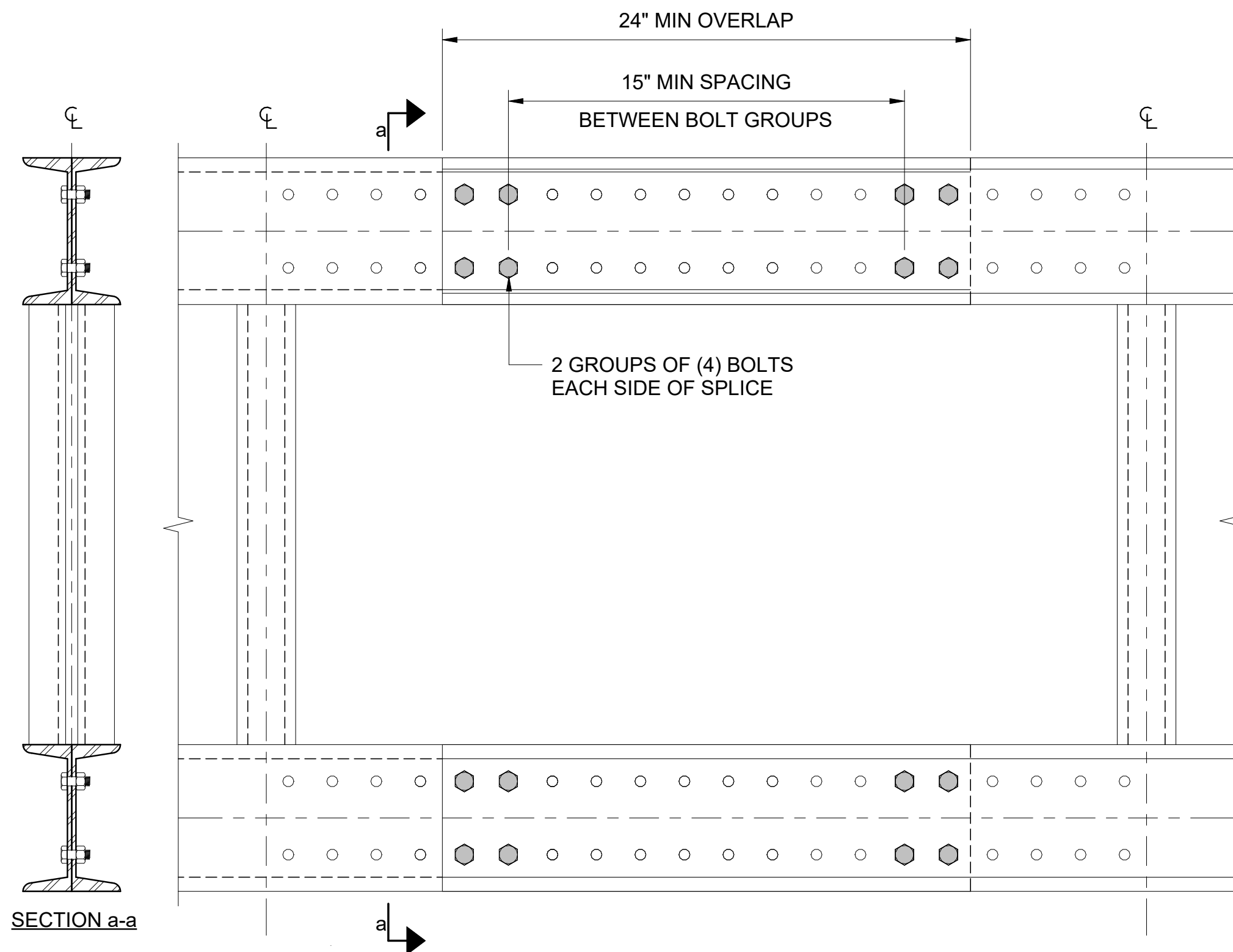
WIDE BASELINE SHED

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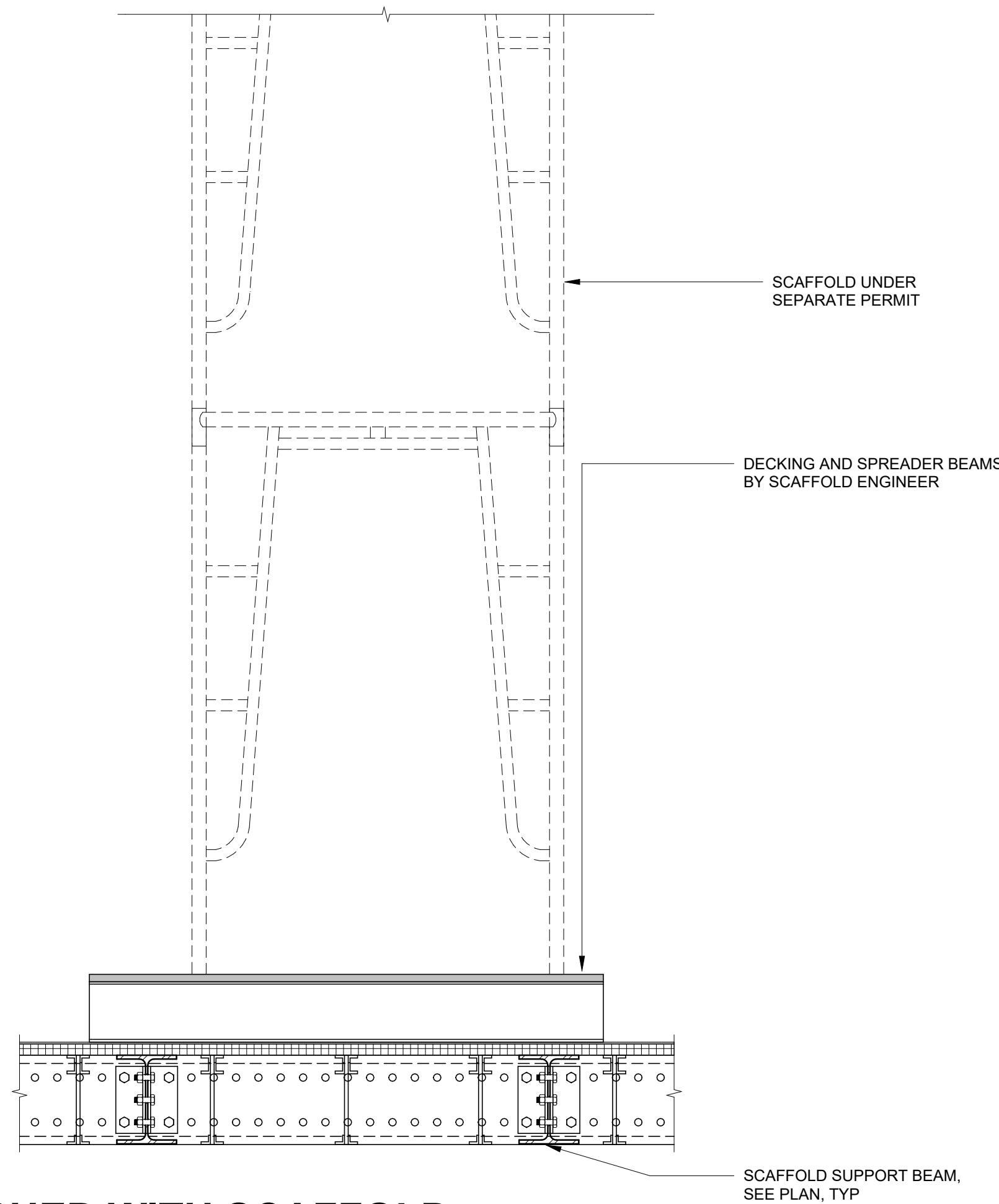
Drawing Title
TYPICAL DETAILS

Drawing Number:

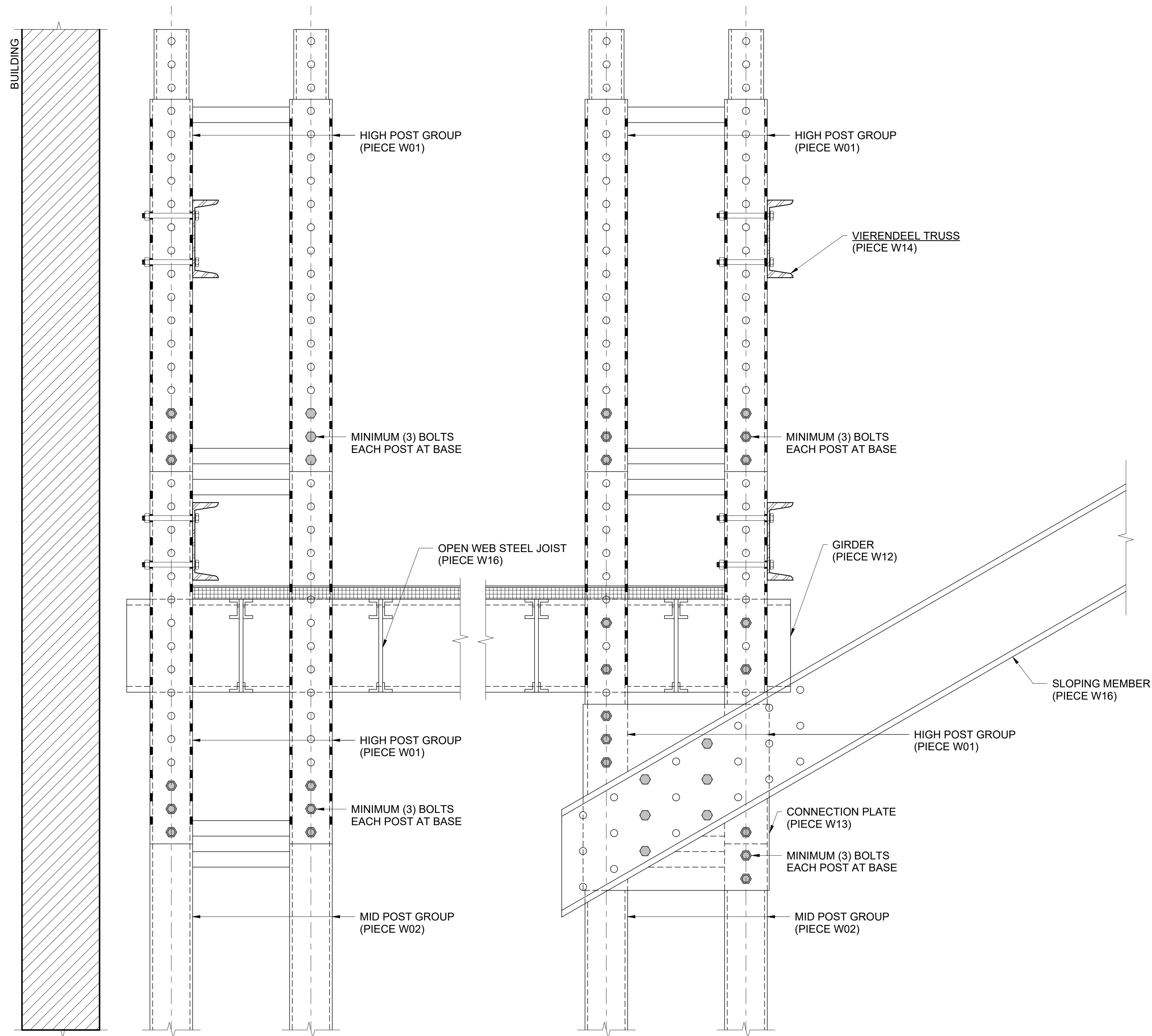
PPD-W4



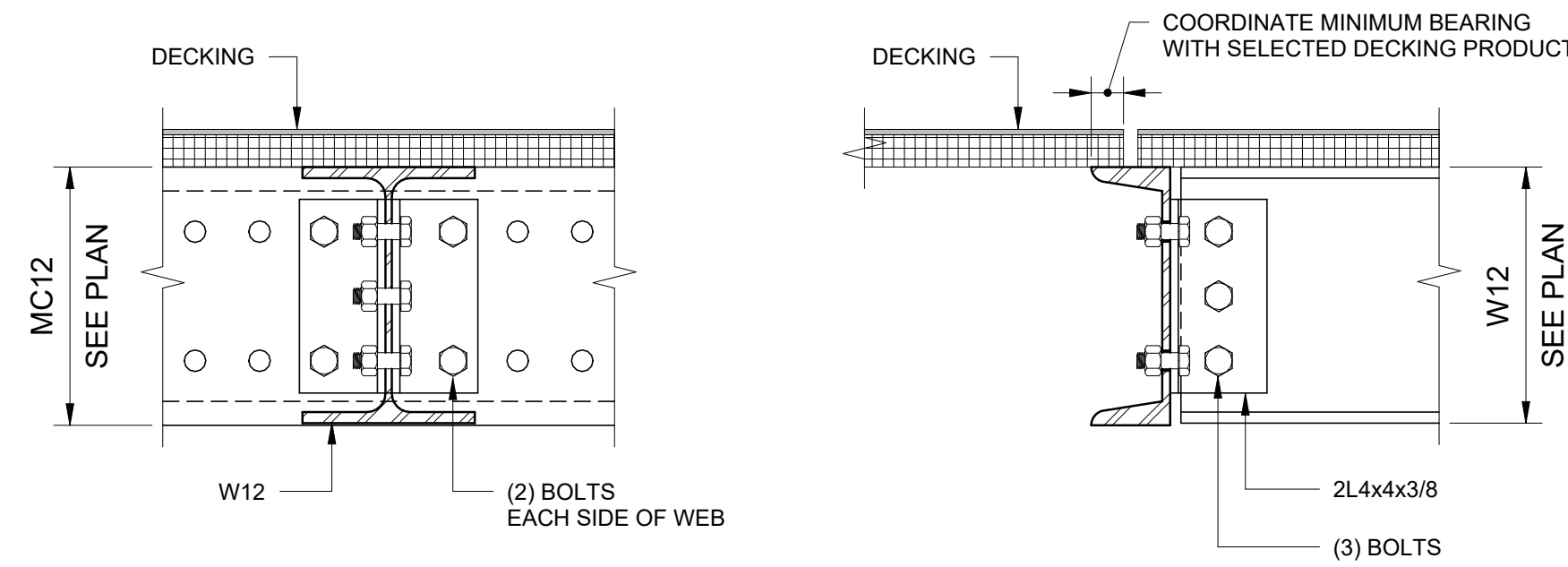
4 ADJUSTABLE VIERENDEEL TRUSS PANEL
1 1/2" = 1'-0"



2 SHED WITH SCAFFOLD
3/4" = 1'-0"



3 POST CONNECTION NODE DETAILING
1 1/2" = 1'-0"



1 SCAFFOLD BEAM CONNECTION
1 1/2" = 1'-0"



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REFERENCE DESIGN ONLY.
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NO.	DESCRIPTION	DATE
1	FOR CAPA REVIEW	06.25.2026

Pedestrian Protection Designs

WIDE BASELINE SHED

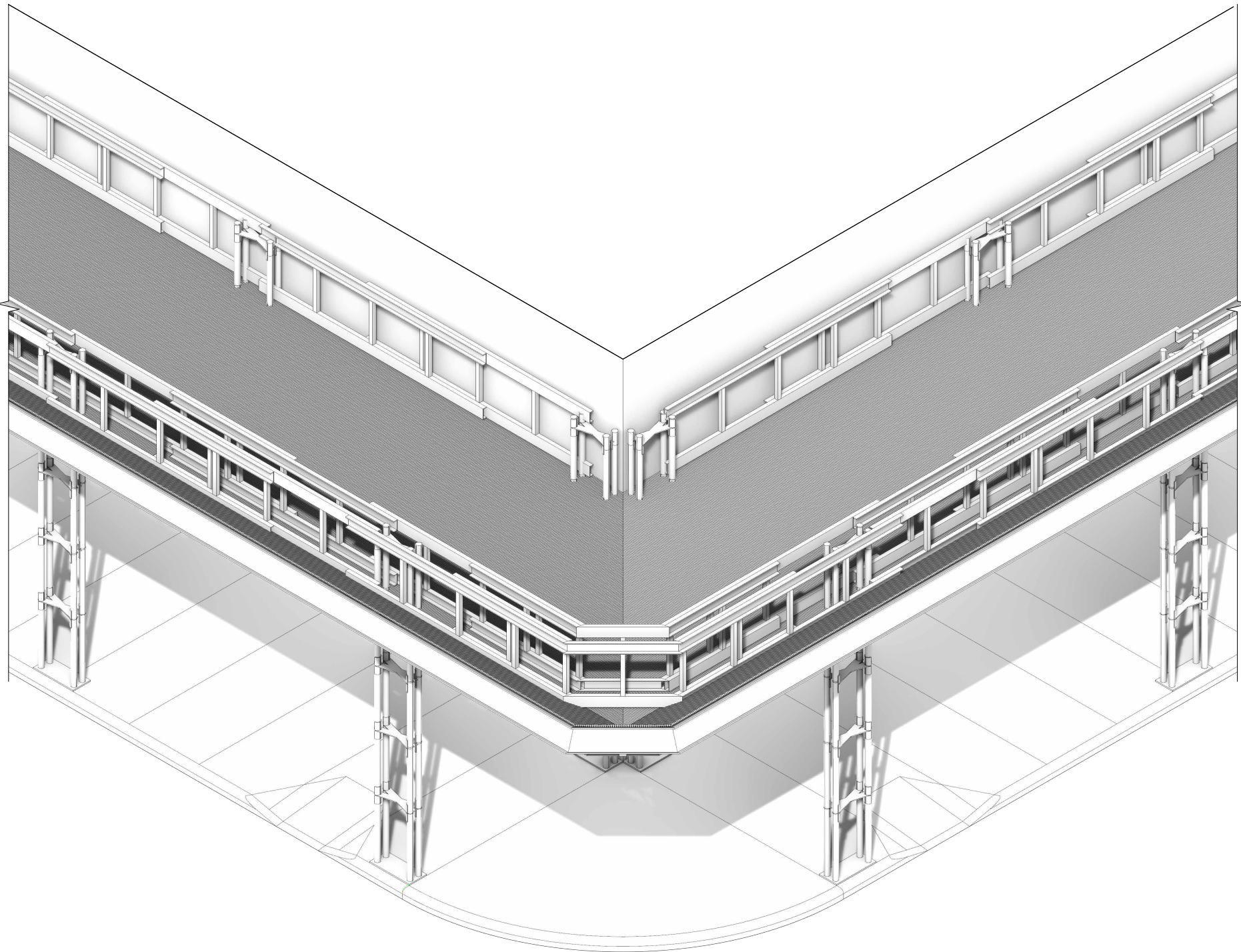
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Drawing Title

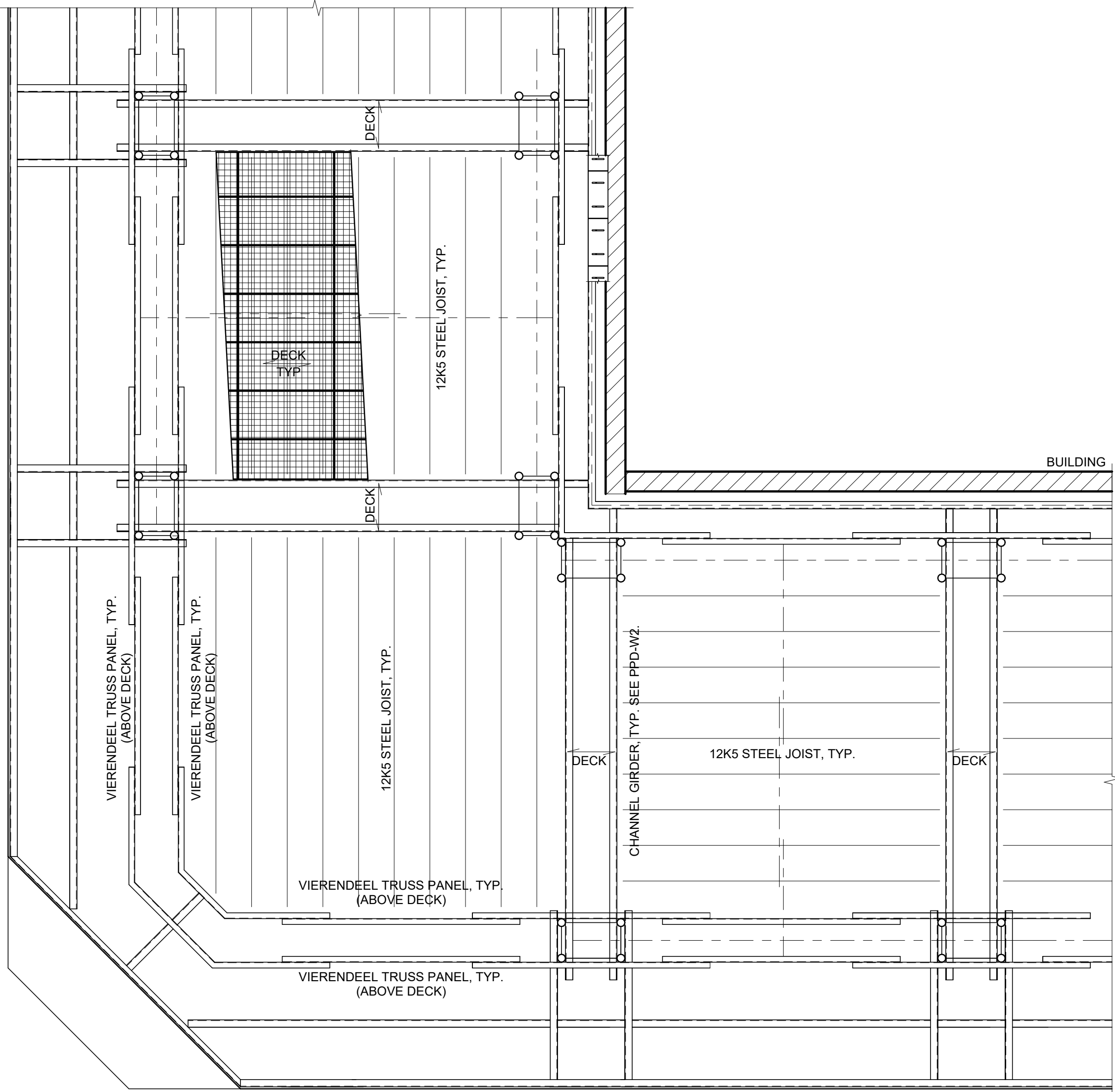
SPECIAL CONDITION - CORNER

Drawing Number:

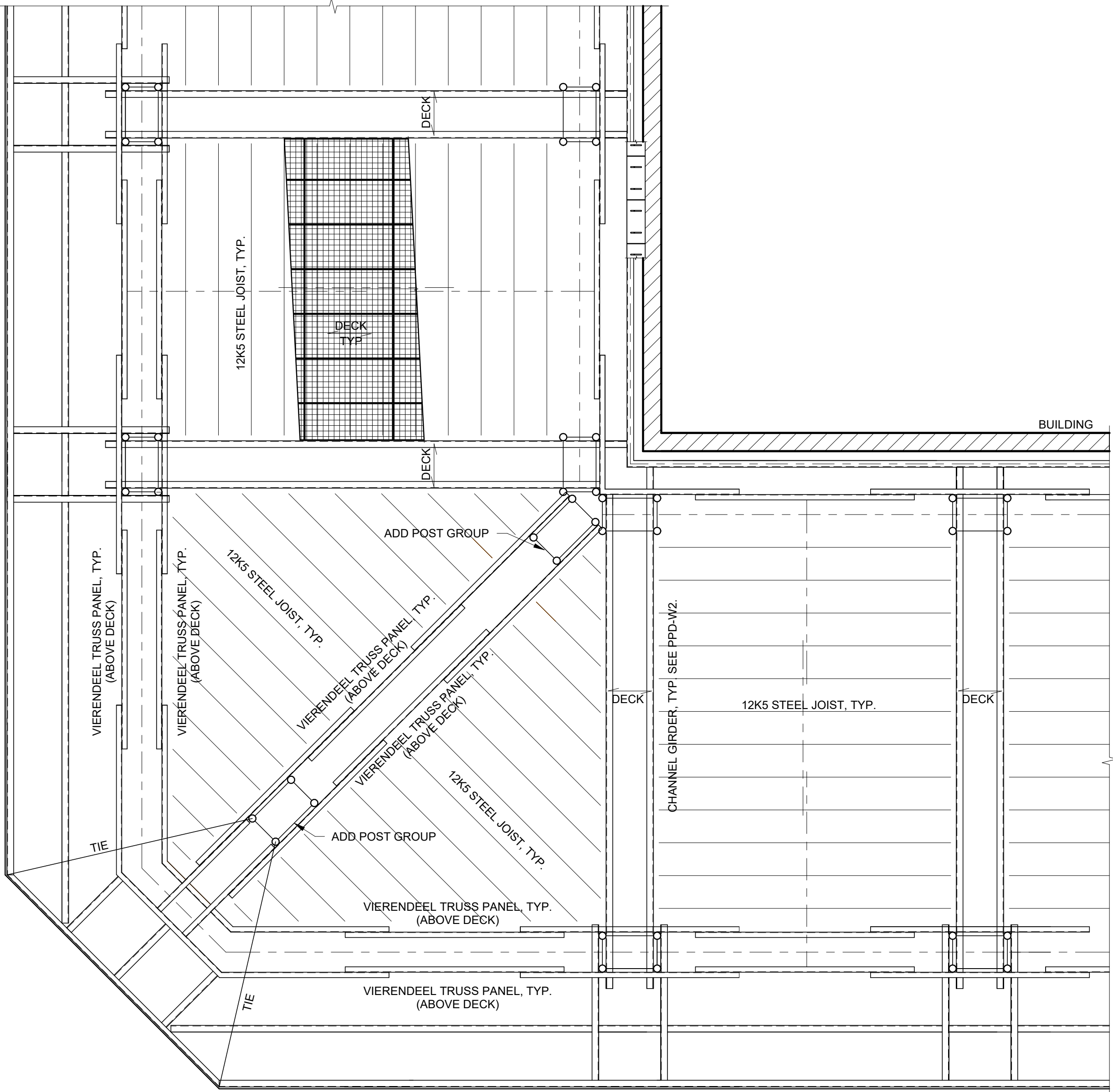
PPD-W6



3 CORNER CONDITION
N.T.S.



2 CORNER CONDITION $W \leq 16$ FT
 $1/4" = 1'-0"$



1 CORNER CONDITION $W > 16$ FT
 $1/4" = 1'-0"$

Note

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Pedestrian Protection Designs

WIDE BASELINE SHED

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Drawing Title
**SPECIAL CONDITION - WIDE
SPANS**

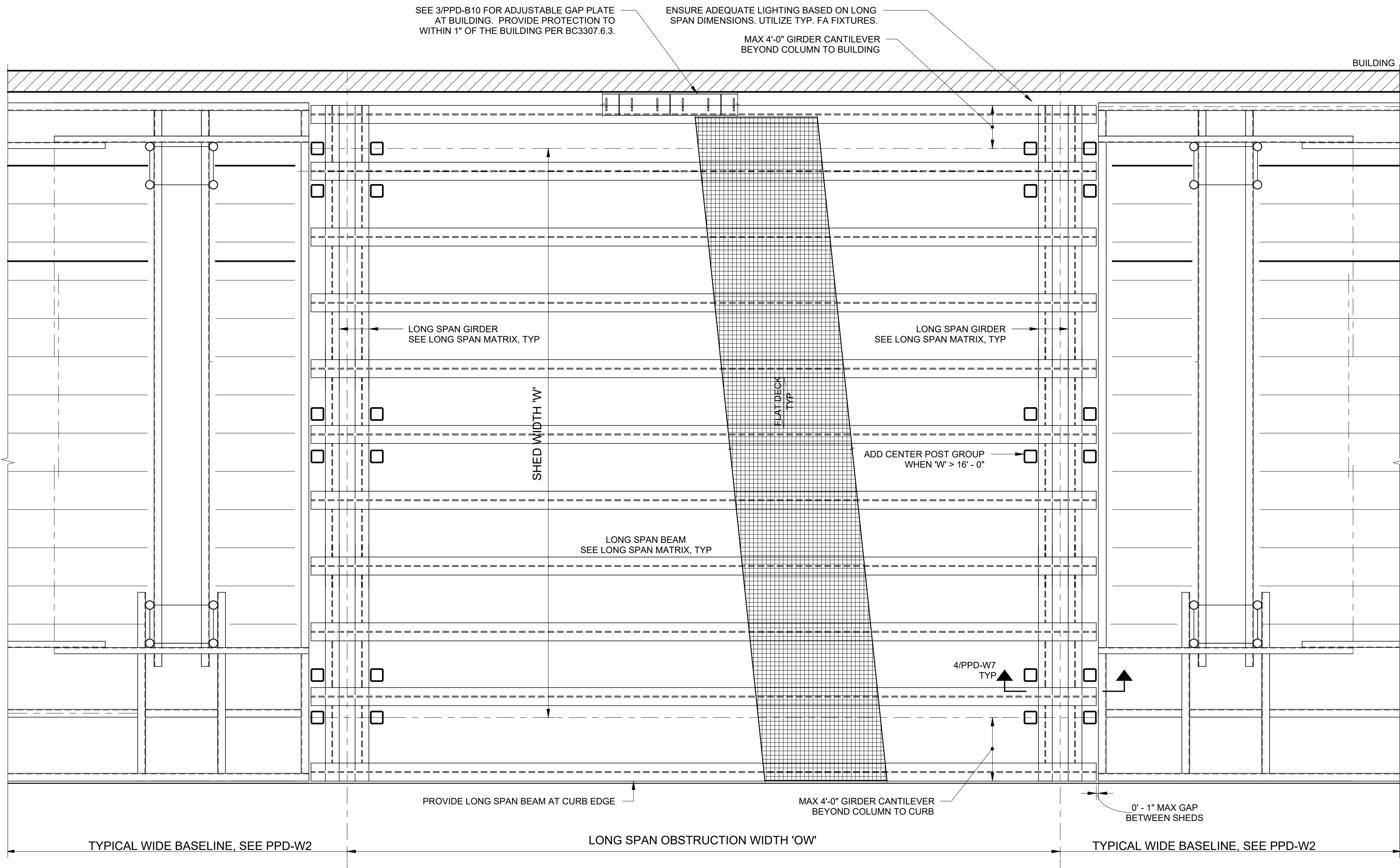
Drawing Number:

PPD-W7

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

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

5 LONG SPAN MATRIX

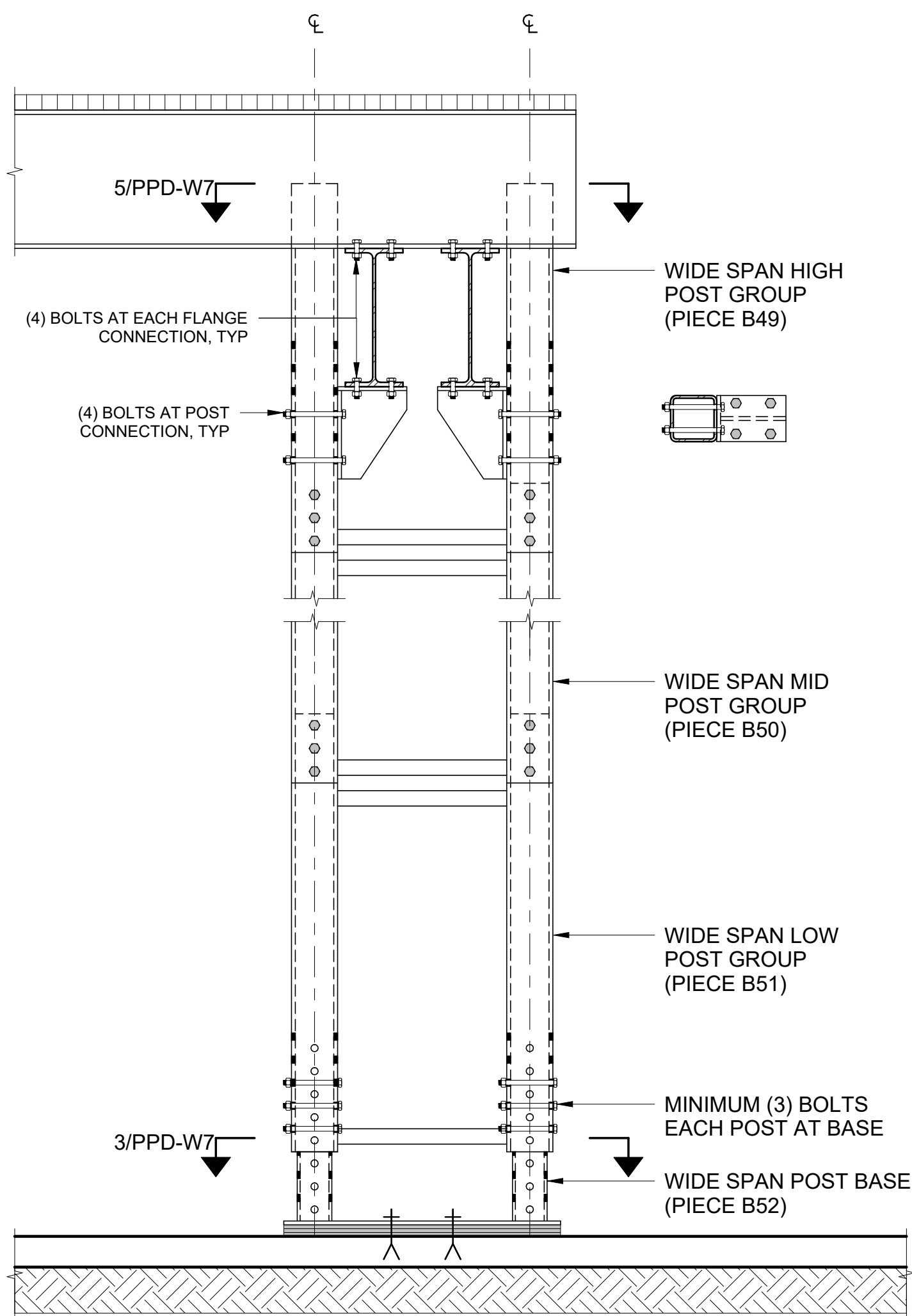


1 LONG SPAN PLAN

3/8" = 1'-0"

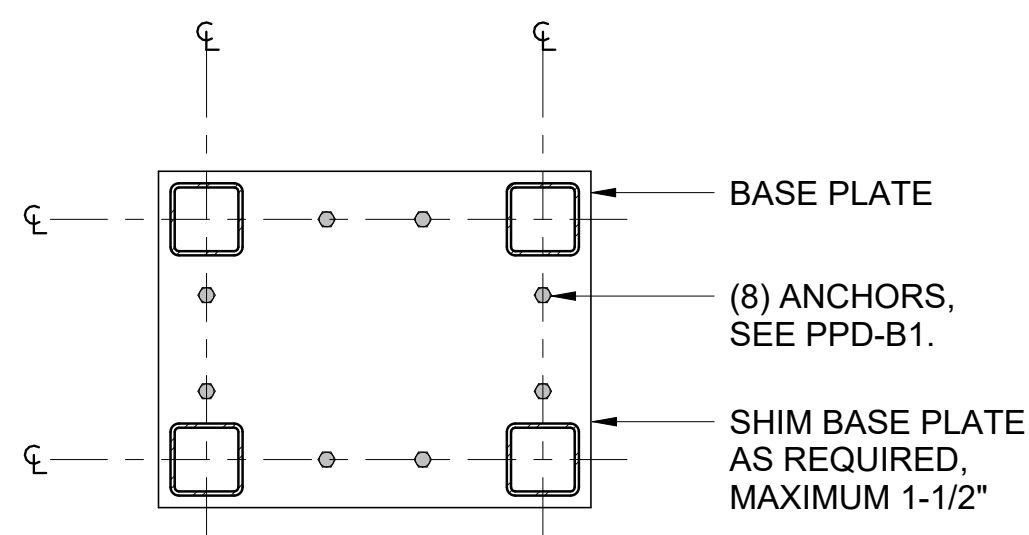
4 LONG SPAN GIRDERS - PLAN

3/4" = 1'-0"



3 LONG SPAN POST GROUP - SECTION

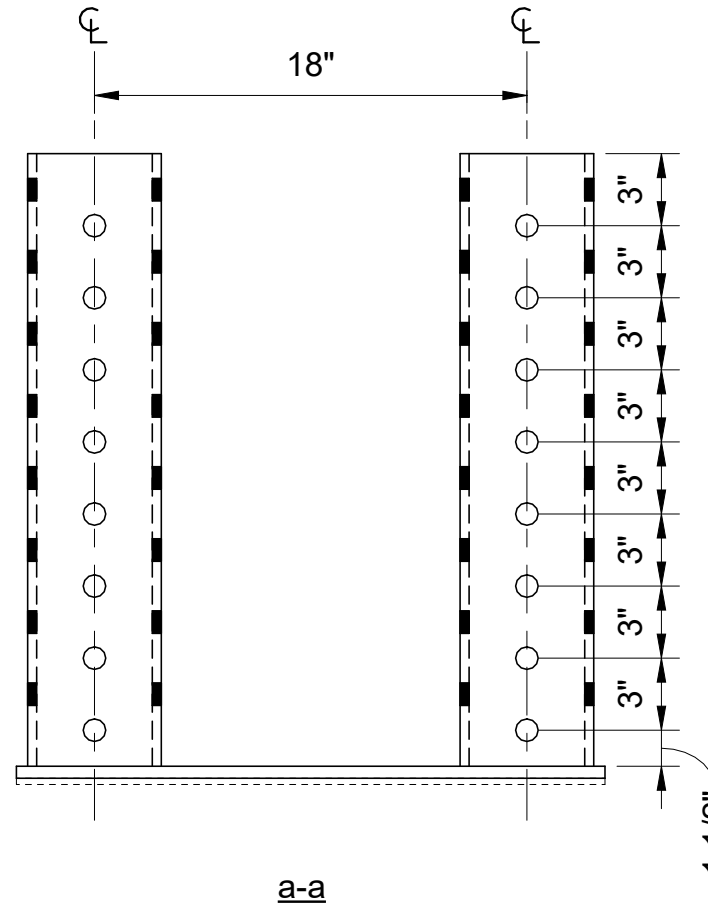
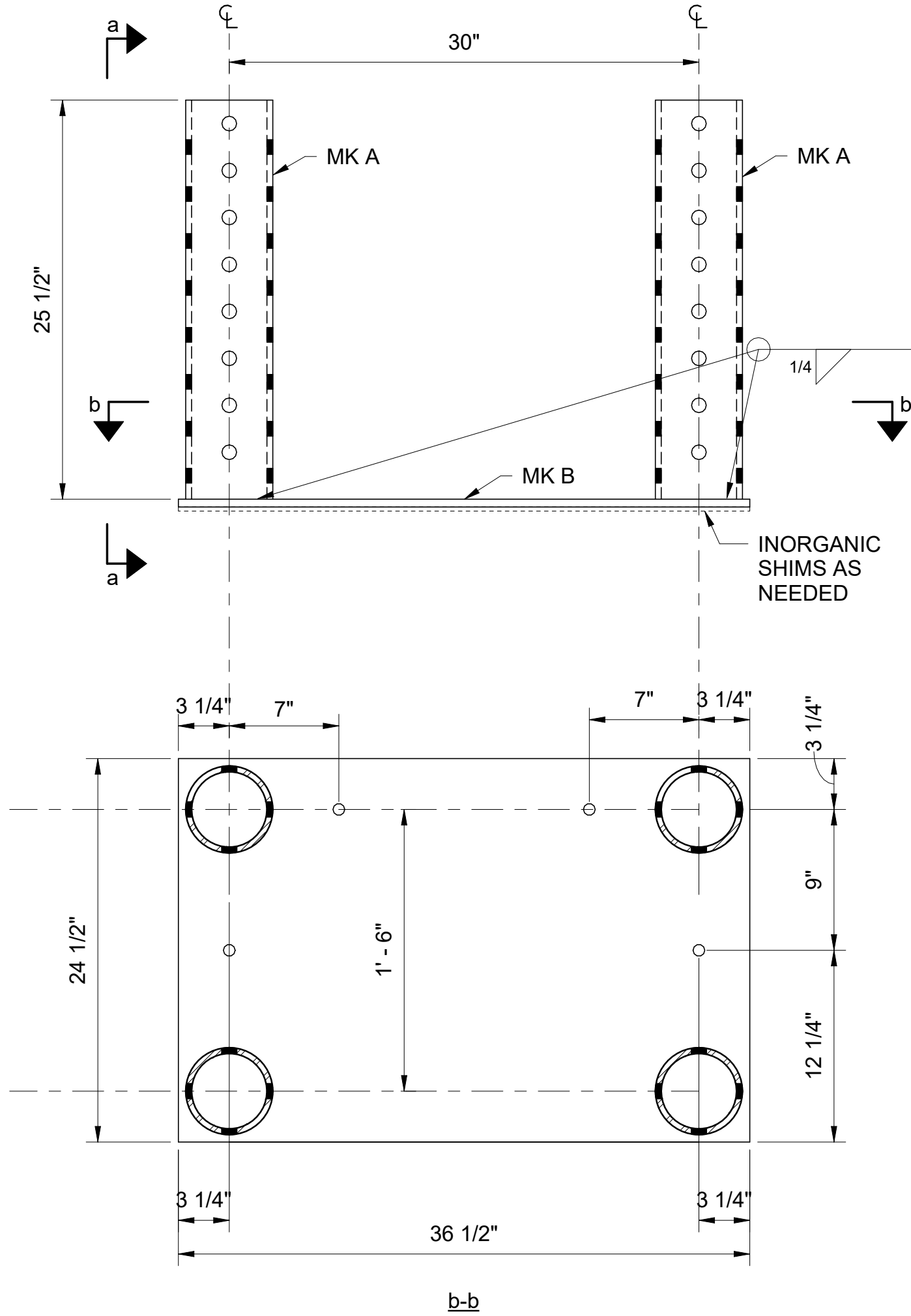
3/4" = 1'-0"



2 LONG SPAN POST BASE - PLAN

3/4" = 1'-0"

PIECE W04:



TYPE: WIDE POST BASE

MKA

SECTION: PIPE 5 XS
MATERIAL GRADE: ASTM A53 GR. B
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: 304 LB

PIECE W01:

TYPE: WIDE HIGH POST GROUP

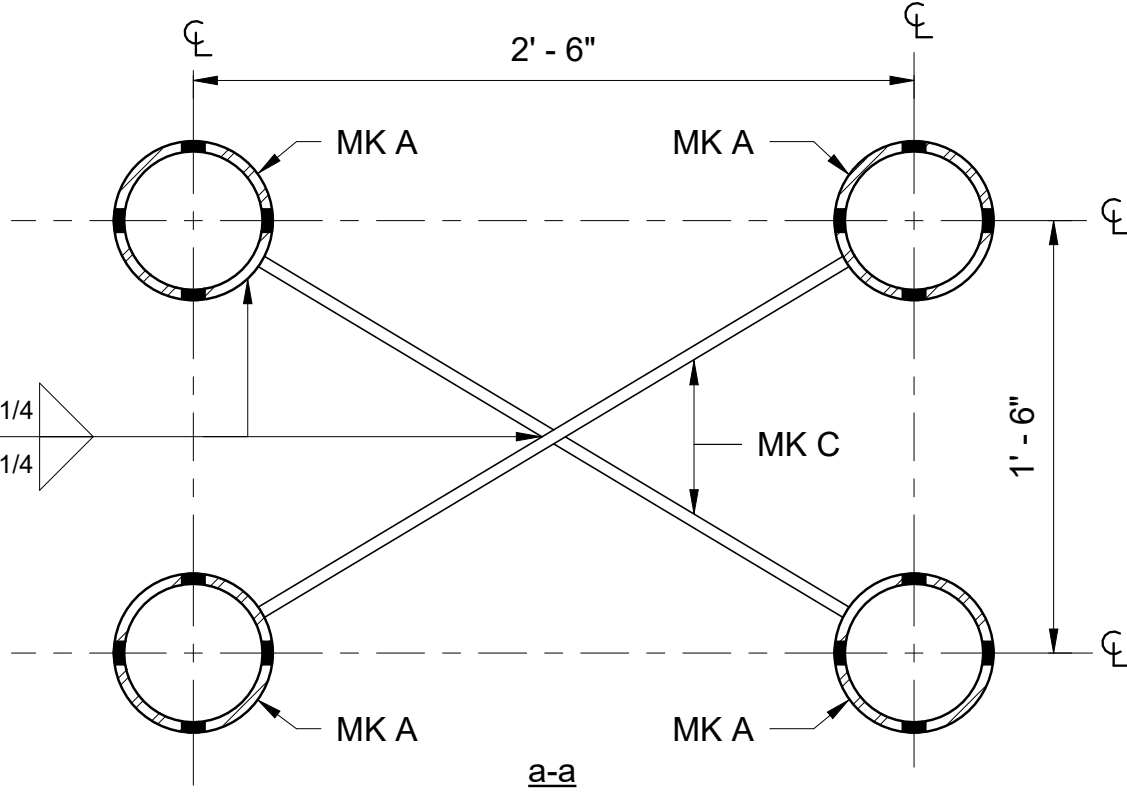
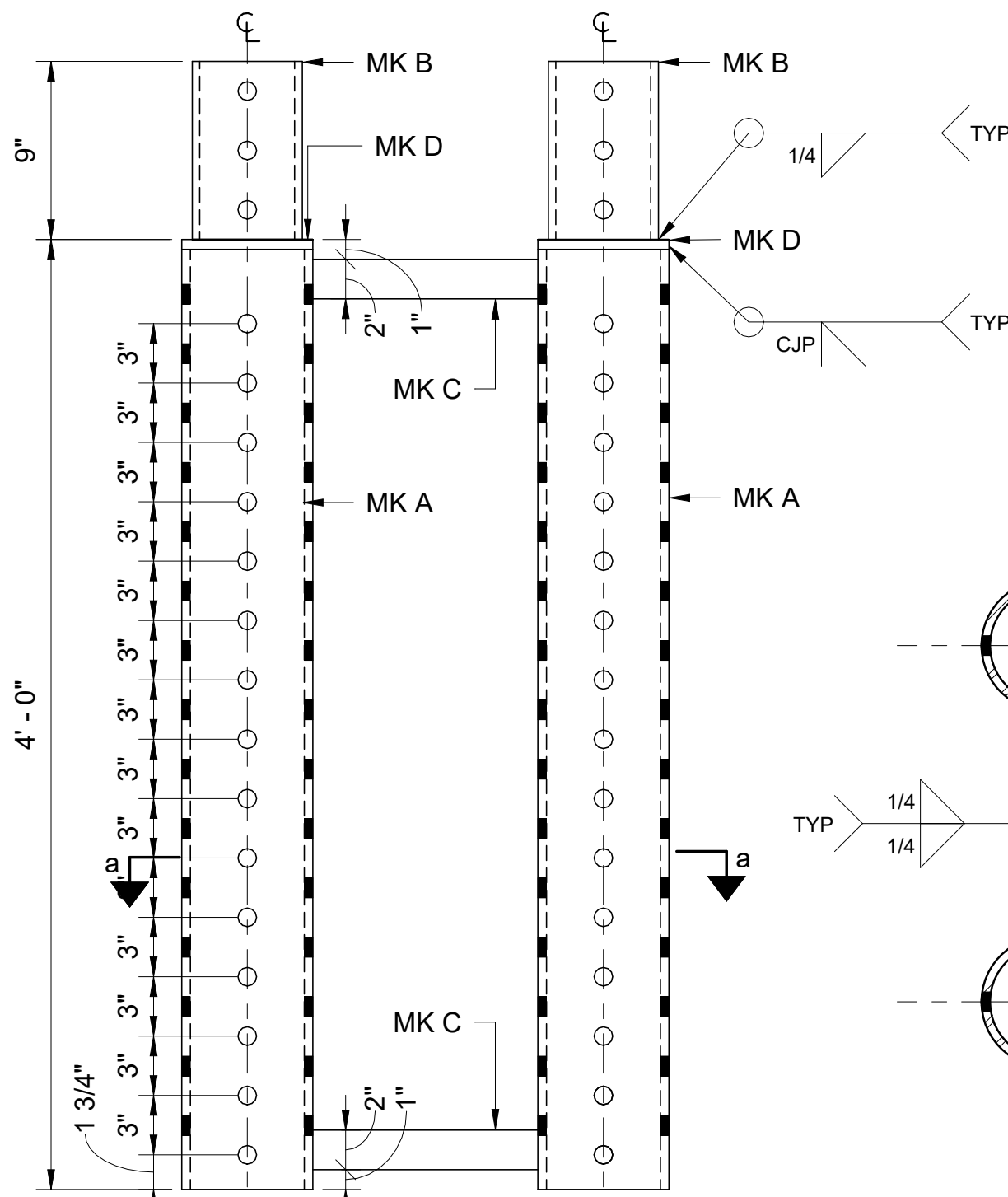
MK A
SECTION: PIPE 6XS
MATERIAL GRADE: ASTM A53 GR. B
HOLES: 15/16" DIA., UON

MK B
SECTION: PIPE 5XS
MATERIAL GRADE: ASTM A53 GR. B
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 = 566 LBS



PIECE W02:

TYPE: WIDE MID POST GROUP

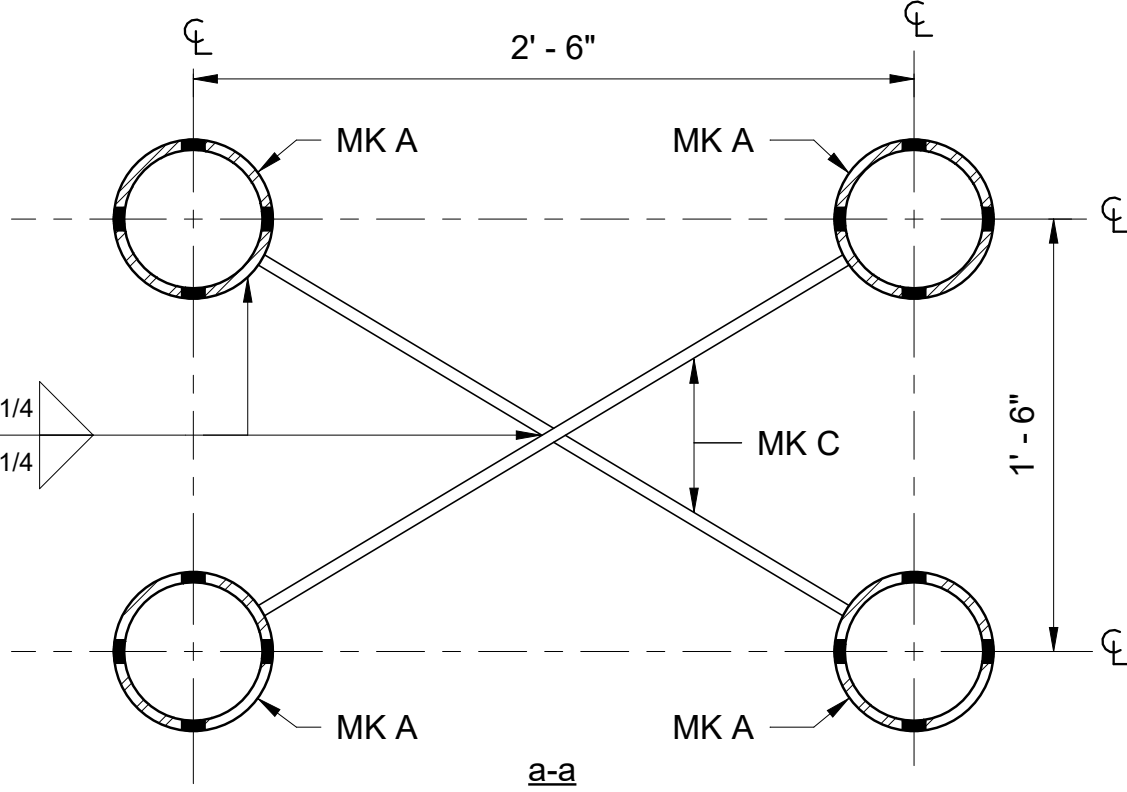
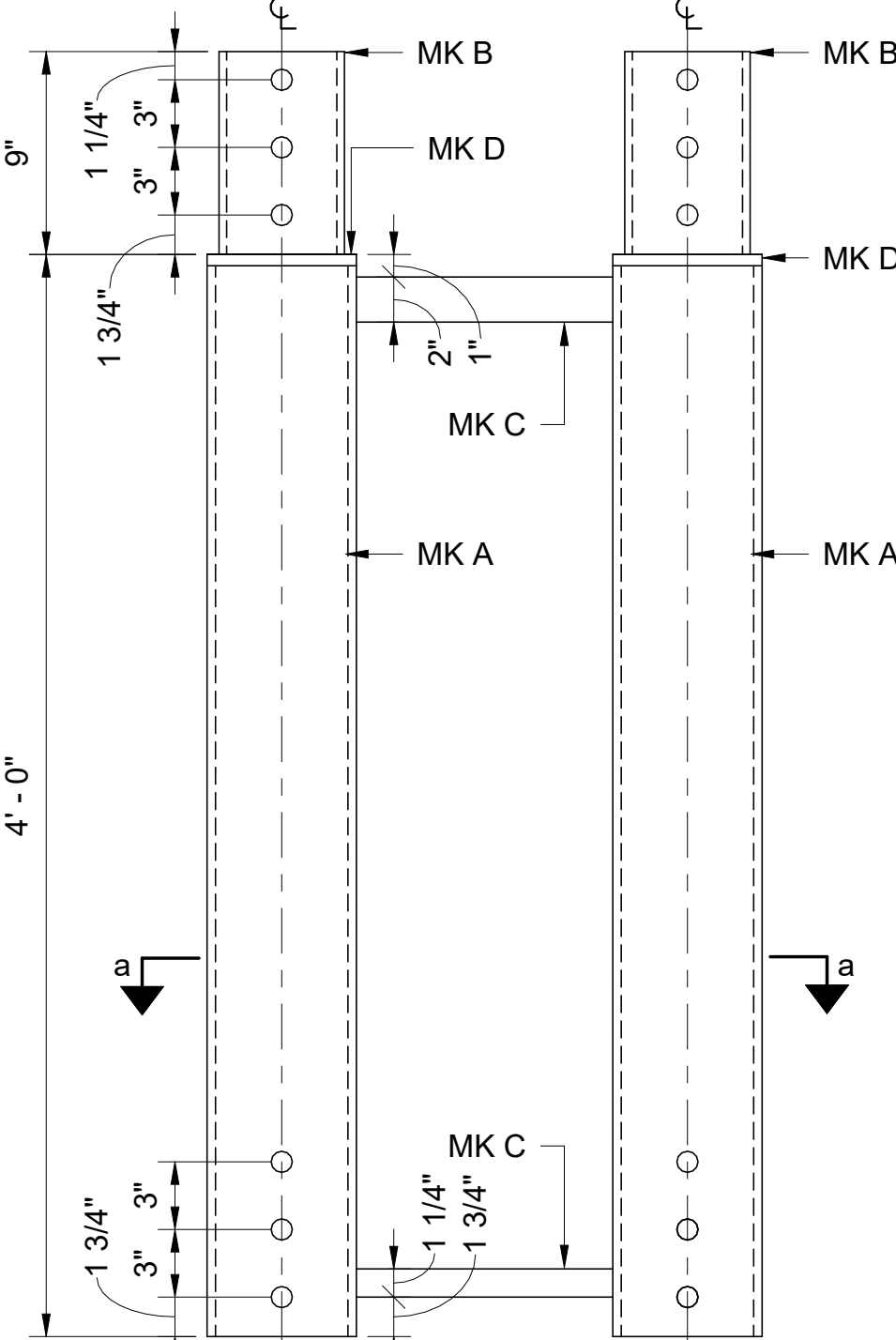
MK A
SECTION: PIPE 6XS
MATERIAL GRADE: ASTM A53 GR. B
HOLES: 15/16" DIA., UON

MK B
SECTION: PIPE 5XS
MATERIAL GRADE: ASTM A53 GR. B
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 = 566 LBS



PIECE W03:

TYPE: WIDE LOW POST GROUP

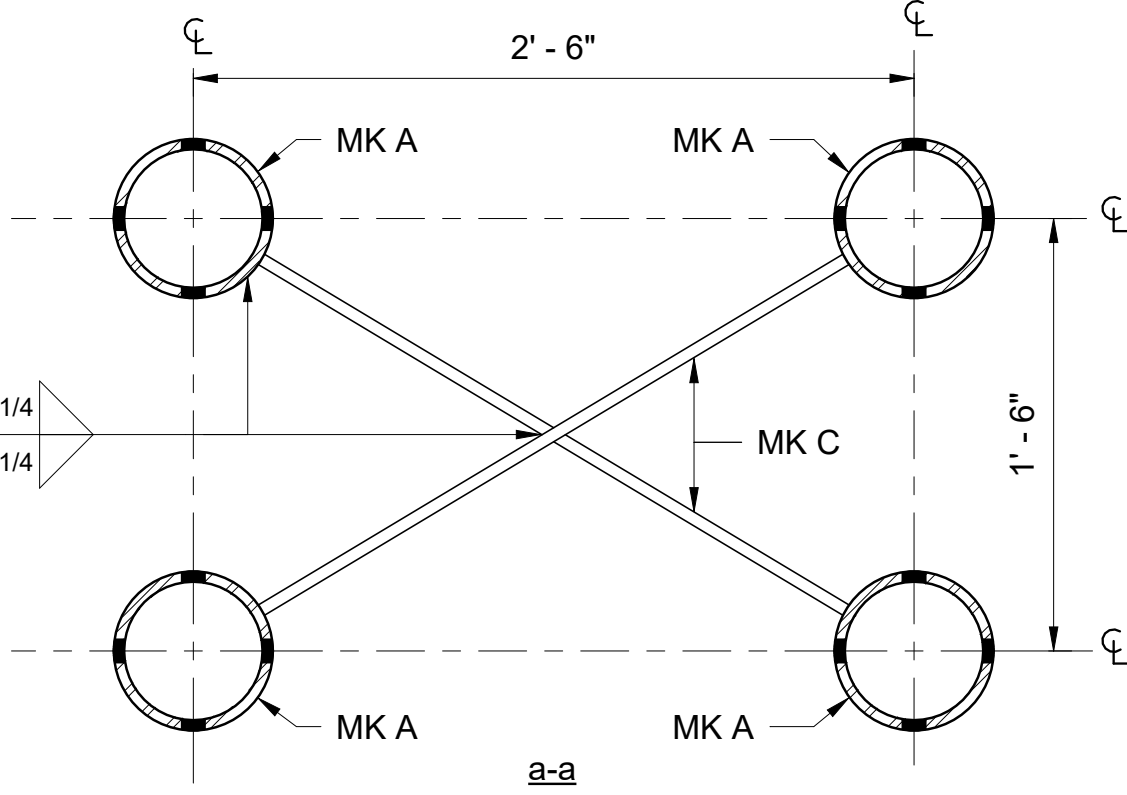
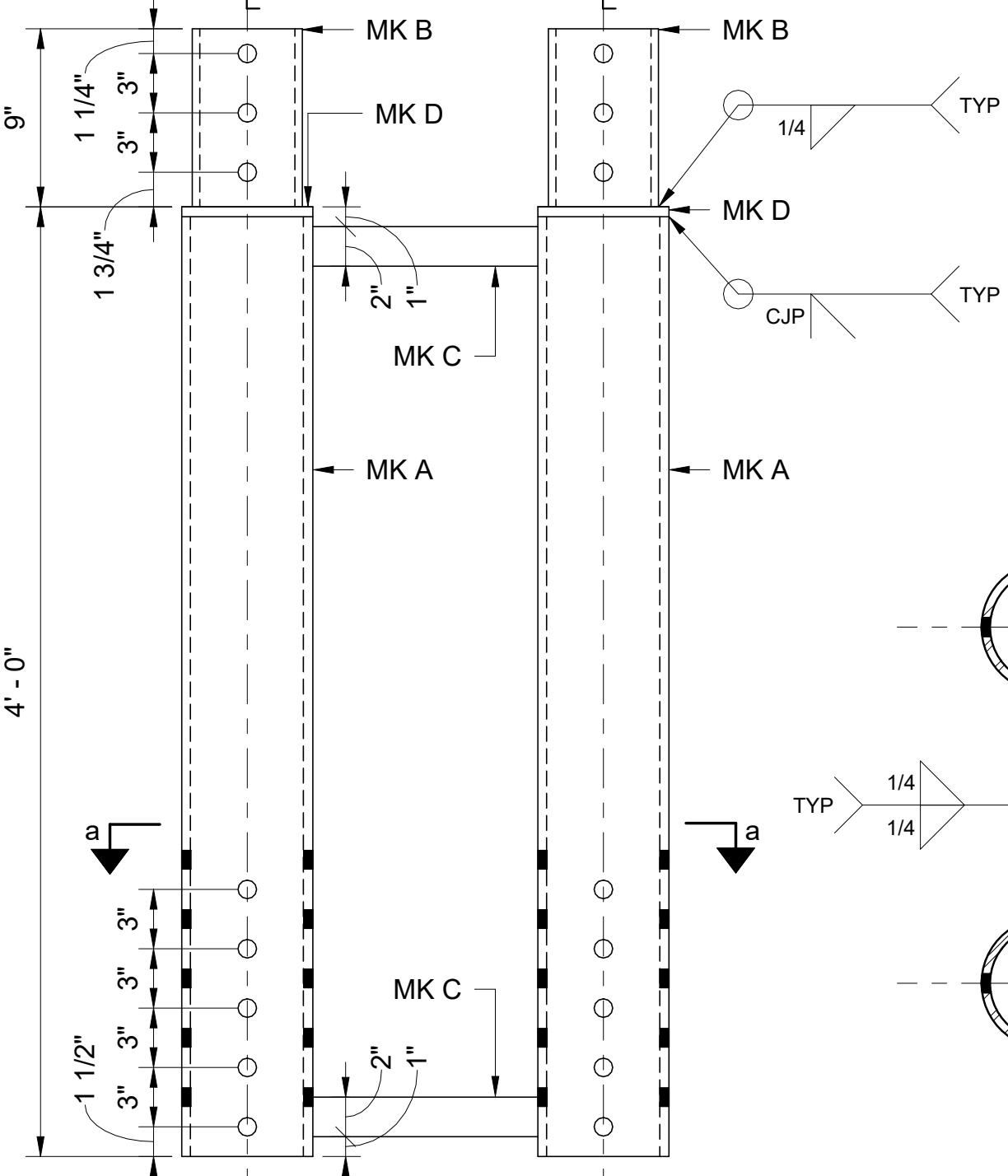
MK A
SECTION: PIPE 6XS
MATERIAL GRADE: ASTM A53 GR. B
HOLES: 15/16" DIA., UON

MK B
SECTION: PIPE 5XS
MATERIAL GRADE: ASTM A53 GR. B
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 = 566 LBS



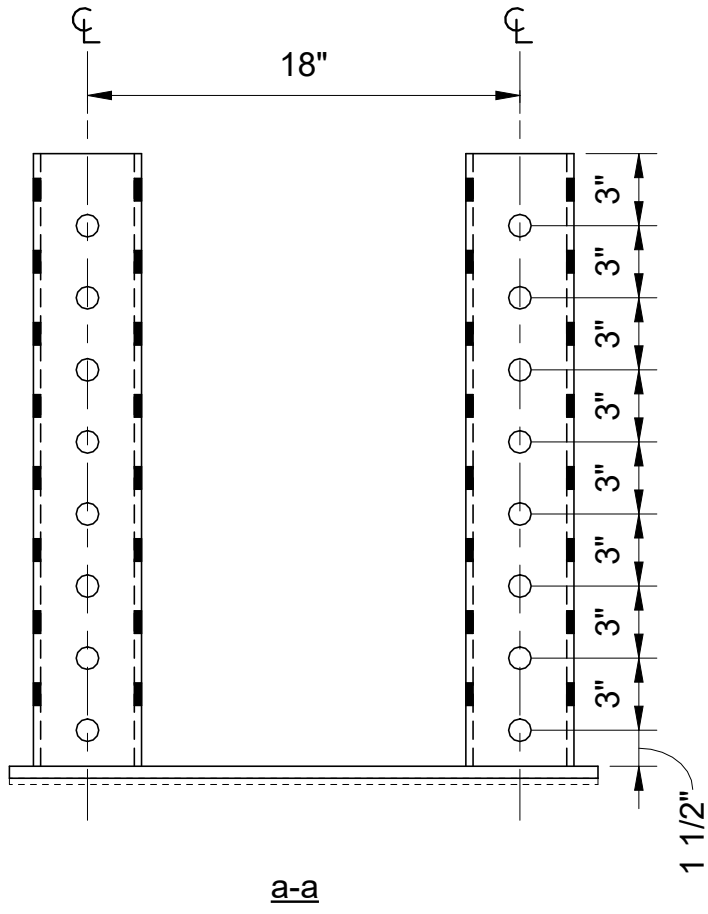
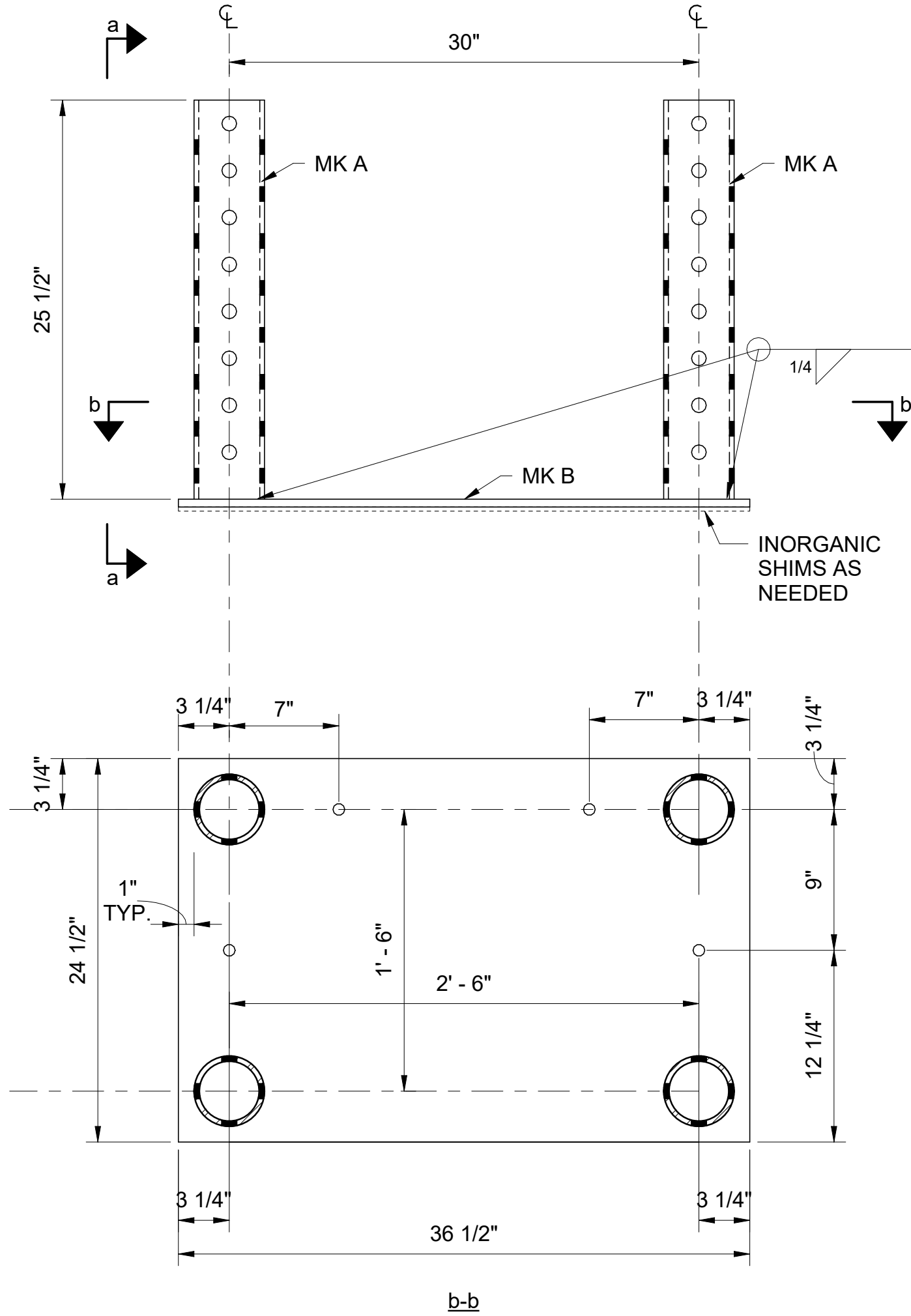
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NO.	DESCRIPTION	DATE
1	FOR CAPA REVIEW	06.25.2026

PIECE W08:



TYPE: WIDE POST BASE

MKA

SECTION: PIPE 4 XS
MATERIAL GRADE: ASTM A53 GR. B
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: 255 LB

PIECE W05:

TYPE: WIDE HIGH POST GROUP

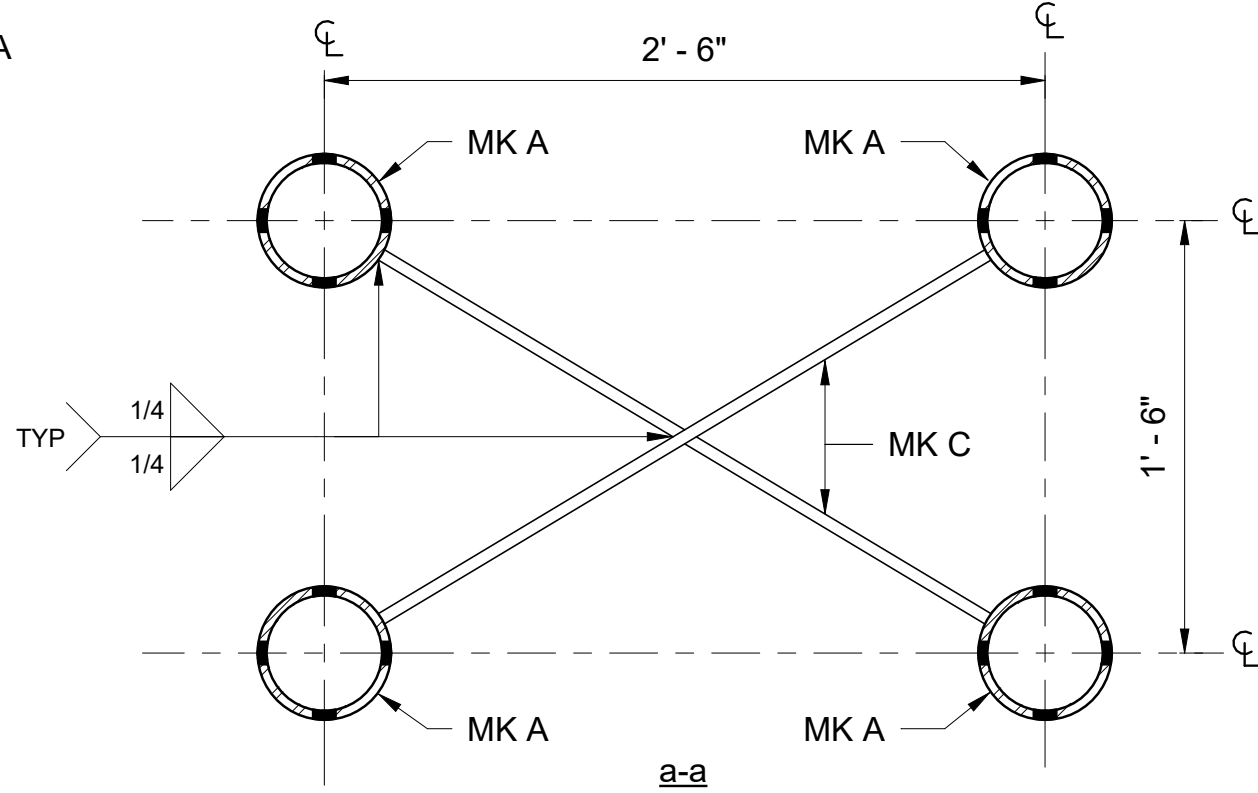
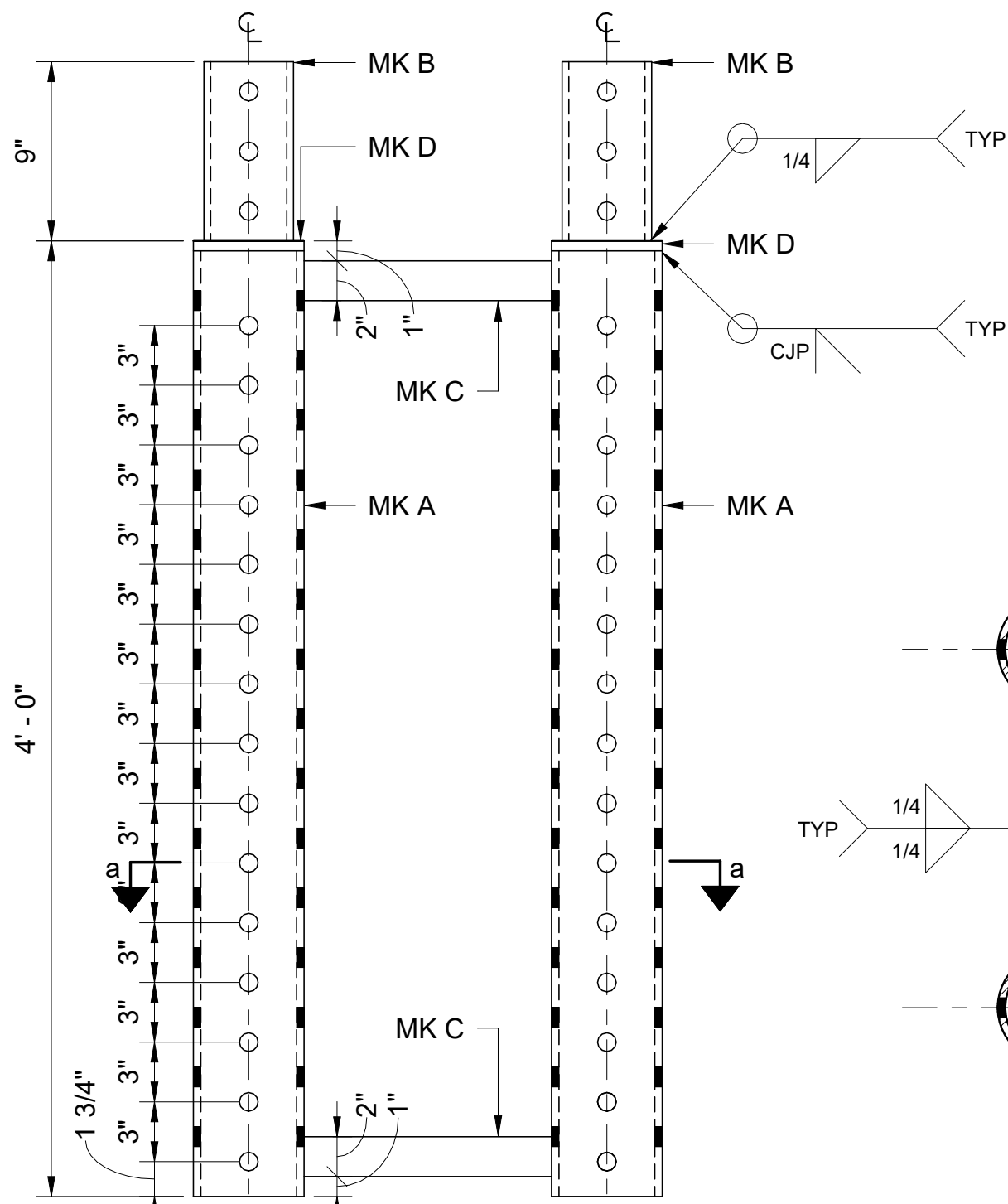
MK A
SECTION: PIPE 5XS
MATERIAL GRADE: ASTM A53 GR. B
HOLES: 15/16" DIA., UON

MK B
SECTION: PIPE 4XS
MATERIAL GRADE: ASTM A53 GR. B
HOLES: 15/16" DIA., UON

MK C
SECTION: PL 5/16 X 2"
MATERIAL GRADE: ASTM A572 GR50
WELDING ELECTRODES: E70XX

MK D
SECTION: PL 1/2 CAP PLATE
MATERIAL GRADE: ASTM A572 GR50
WELDING ELECTRODES: E70XX

COMBINED PIECE WEIGHT = 413 LBS



PIECE W06:

TYPE: WIDE MID POST GROUP

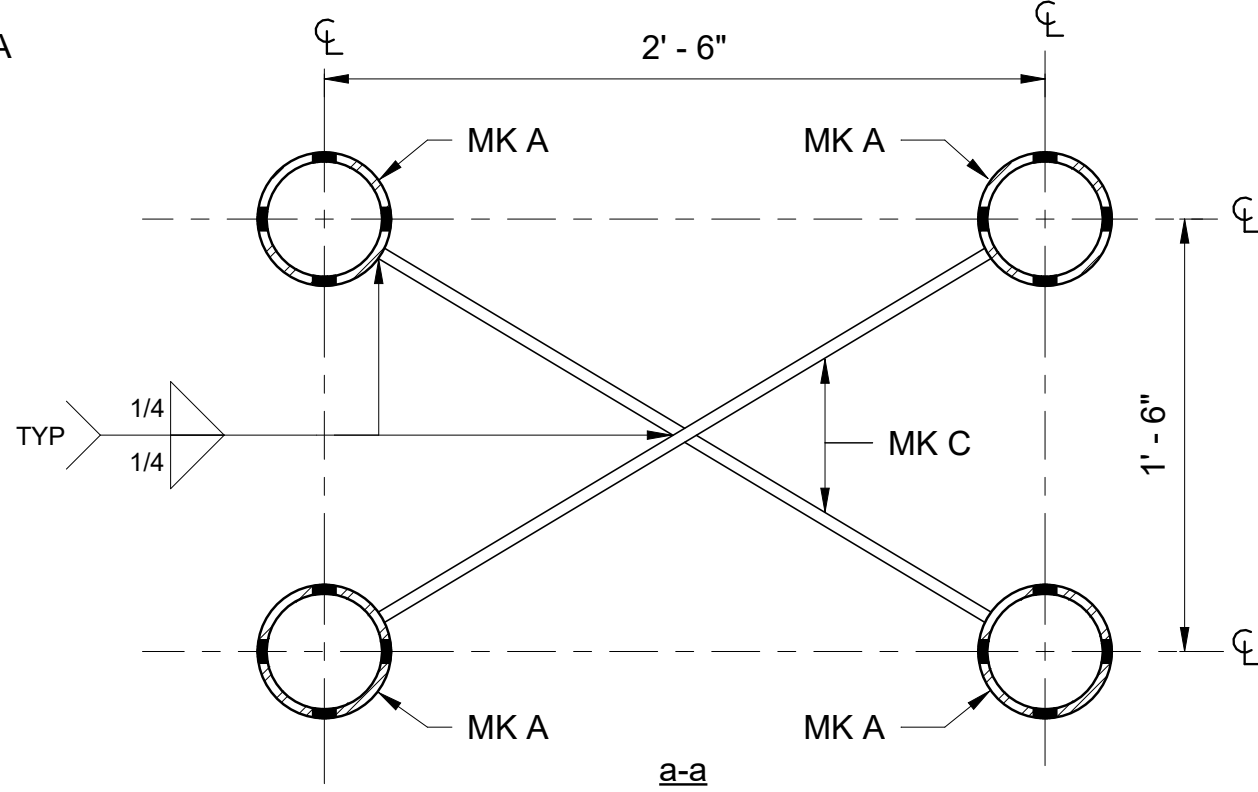
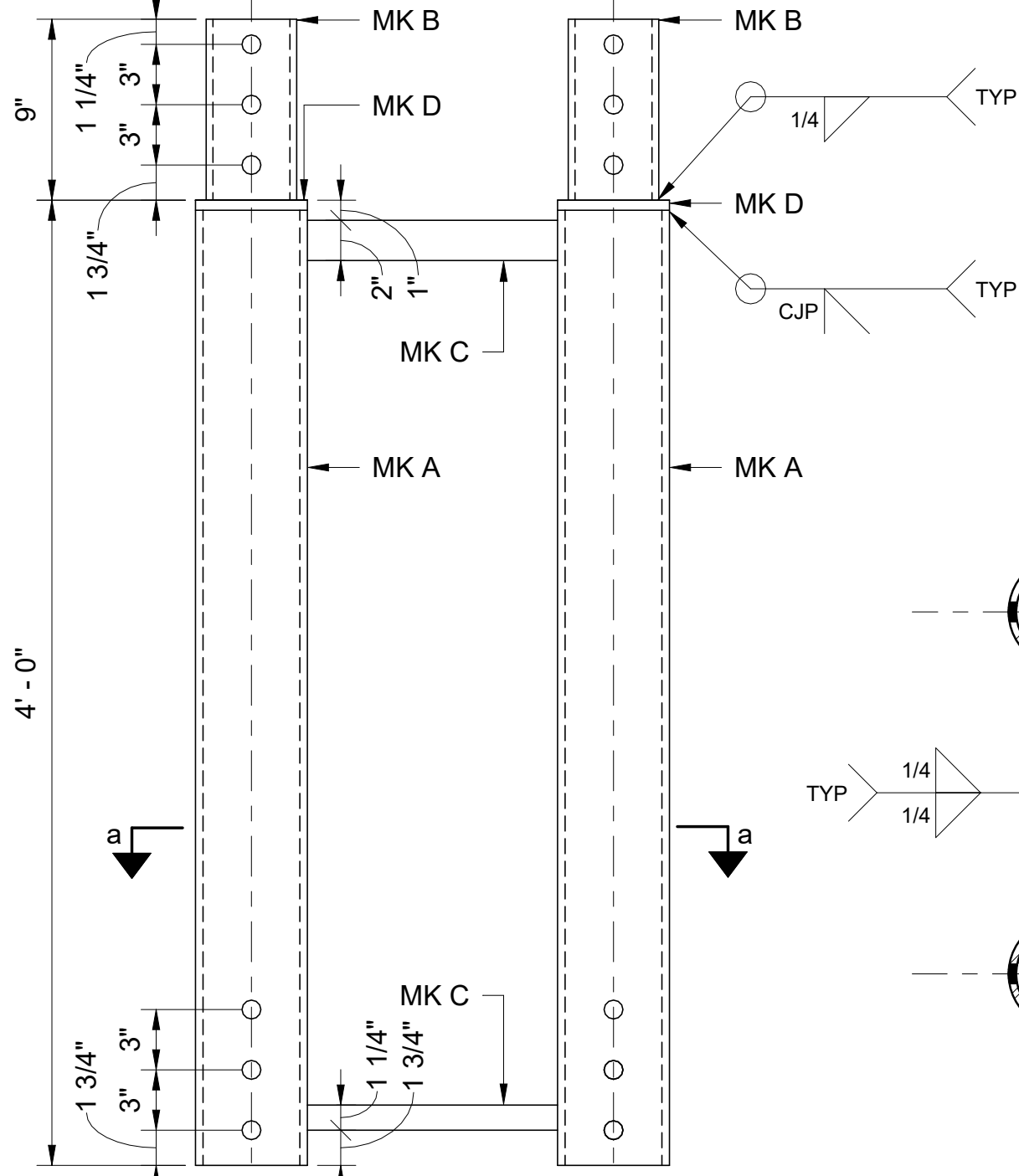
MK A
SECTION: PIPE 5XS
MATERIAL GRADE: ASTM A53 GR. B
HOLES: 15/16" DIA., UON

MK B
SECTION: PIPE 4XS
MATERIAL GRADE: ASTM A53 GR. B
HOLES: 15/16" DIA., UON

MK C
SECTION: PL 5/16 X 2"
MATERIAL GRADE: ASTM A572 GR50
WELDING ELECTRODES: E70XX

MK D
SECTION: PL 1/2 CAP PLATE
MATERIAL GRADE: ASTM A572 GR50
WELDING ELECTRODES: E70XX

COMBINED PIECE WEIGHT = 413 LBS



PIECE W07:

TYPE: WIDE LOW POST GROUP

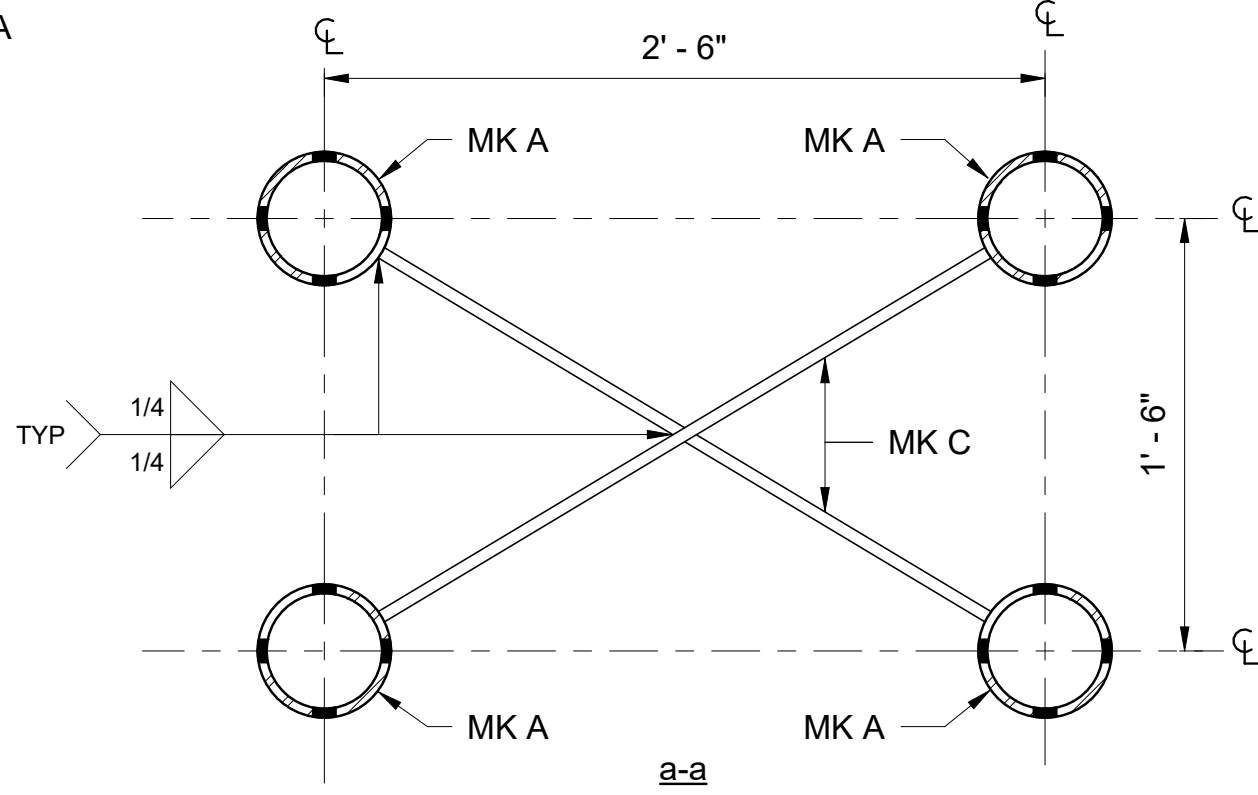
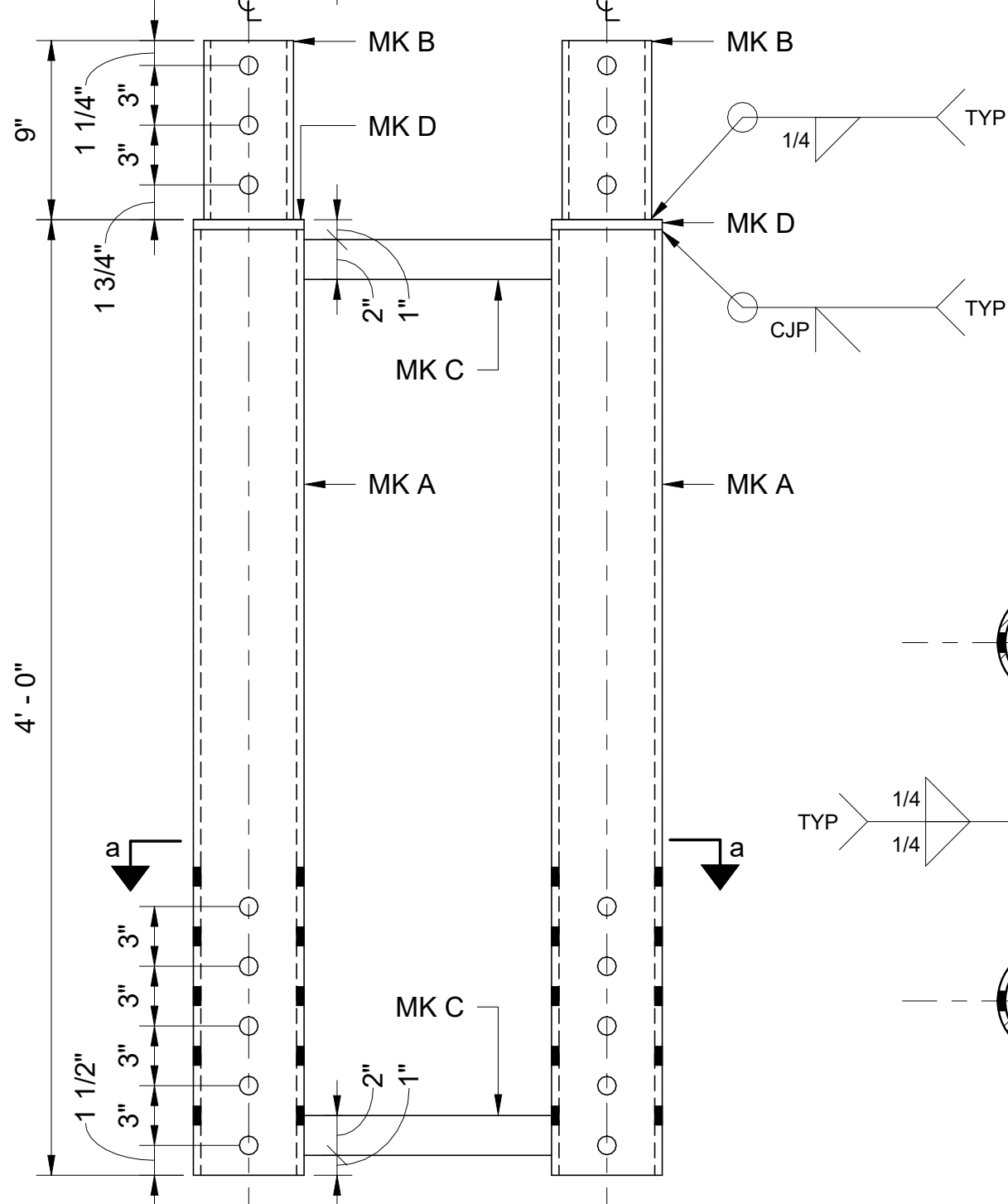
MK A
SECTION: PIPE 5XS
MATERIAL GRADE: ASTM A53 GR. B
HOLES: 15/16" DIA., UON

MK B
SECTION: PIPE 4XS
MATERIAL GRADE: ASTM A53 GR. B
HOLES: 15/16" DIA., UON

MK C
SECTION: PL 5/16 X 2"
MATERIAL GRADE: ASTM A572 GR50
WELDING ELECTRODES: E70XX

MK D
SECTION: PL 1/2 CAP PLATE
MATERIAL GRADE: ASTM A572 GR50
WELDING ELECTRODES: E70XX

COMBINED PIECE WEIGHT = 413 LBS



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NO.	DESCRIPTION	DATE
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PIECE W12:

TYPE: SLOPING CHANNEL
SECTION: MC12x31
MATERIAL GRADE: ASTM A572 GR. 50
HOLES: 15/16" DIA., UON
PIECE WEIGHT: 259 LBS

LENGTH = 8'-4"

PIECE W13:

TYPE: CONNECTION PLATE
SECTION: PL 1/2"
MATERIAL GRADE: ASTM A572 GR. 50
HOLES: 15/16" DIA., UON
PIECE WEIGHT: 82 LBS

PIECE W15:

TYPE: VIERENDEEL TRUSS END
SECTION: SEE LABLES
MATERIAL GRADE: ASTM A572 GR. 50
HOLES: 15/16" DIA., UON
PIECE WEIGHT: 627 LBS

10' - 0"

HOLES AT 3" ON CENTER AT ENDS

PIECE W14:

TYPE: VIERENDEEL TRUSS
SECTION: SEE LABLES
MATERIAL GRADE: ASTM A572 GR. 50
HOLES: 15/16" DIA., UON
PIECE WEIGHT: 927 LBS

16' - 0"

HOLES AT 3" ON CENTER AT ENDS

PIECE W16:

TYPE: JOIST
SECTION: 12K5
MATERIAL GRADE: ASTM A572 GR. 50
PIECE WEIGHT: VARIES

LENGTH = 6', 8', 10', 12', 14', 16', 18', 20'

JOIST

PIECE W9:

TYPE: GIRDER
SECTION: MC10x25
MATERIAL GRADE: ASTM A572 GR. 50
HOLES: 15/16" DIA., UON
PIECE WEIGHT: 150 LBS TO 500 LBS

LENGTH = 6', 8', 10', 12', 14', 16', 18', 20'

HOLES AT 3" ON CENTER FOR FULL LENGTH OF MEMBER

PIECE W10:

TYPE: GIRDER
SECTION: MC10x28.5
MATERIAL GRADE: ASTM A572 GR. 50
HOLES: 15/16" DIA., UON
PIECE WEIGHT: 171 LBS TO 570 LBS

LENGTH = 6', 8', 10', 12', 14', 16', 18', 20'

HOLES AT 3" ON CENTER FOR FULL LENGTH OF MEMBER

PIECE W11:

TYPE: GIRDER
SECTION: MC12x31
MATERIAL GRADE: ASTM A572 GR. 50
HOLES: 15/16" DIA., UON
PIECE WEIGHT: 186 LBS TO 620 LBS

LENGTH = 6', 8', 10', 12', 14', 16', 18', 20'

HOLES AT 3" ON CENTER FOR FULL LENGTH OF MEMBER

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

NO.

DESCRIPTION

DATE

1

FOR CAPA REVIEW

06.25.2026

Pedestrian Protection Designs

WIDE BASELINE
SHED

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Drawing Title

PARTS & PIECES

Drawing Number:

PPD-W10