

G:\12720\Micro Bridge\Bridge_West\12720C0100_West_Bridge_Title_Sheet.dwg Layout: 1 Cover Sheet -- Wednesday, July 23, 2020, 12:14pm -- Architect: 00212, Professional Engineer: 000133, Professional Land Surveyor: 000059

WEST BRIDGE PLANS
FOR
PARAGON STAR DEVELOPMENT – LEE’S SUMMIT, MO
View High Dr, View High Pkwy, River Rd
Sections 33 & 34–Township 48–Range 32
City of Lee’s Summit
Jackson County, Missouri

Summary of Quantities

Item No.	Description	Unit	Unit Quantity
1	West Bridge	L.S.	1

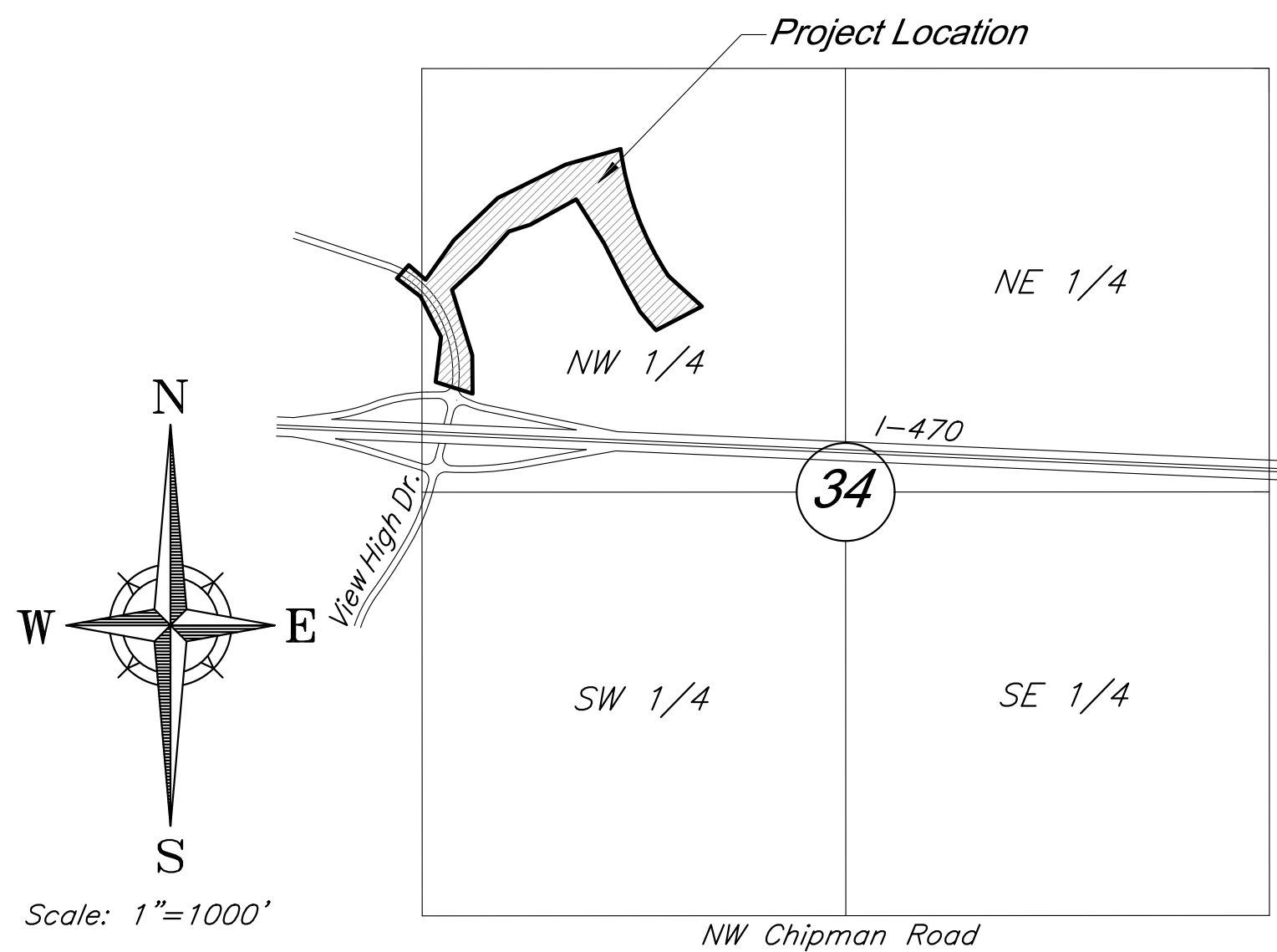
PROJECT BENCHMARK

BM #11 – Chiseled “L” on top
Northeast corner of concrete guardrail
at the Northeast corner of I470 bridge
spanning View High Drive.
EL=833.80

UTILITY CONTACTS

Sanitary Sewers	Mr. Jeff Thorn, PE City of Lee’s Summit Water Utilities 1200 SE Hamblen Road Lee’s Summit, MO 64063 (816) 969–1922 email: jeff.thorn@cityofLS.net	Gas	Mr. Donnie Richards Missouri Gas Energy 7500 E 35th Terrace Kansas City, MO 64129 (816) 472–9464 Fax (816) 472–3488 email: donnie.richards@sug.com
	Mr. Jeff Shook Little Blue Valley Sewer District 21101 East 78 Highway Independence, MO 64057 (816) 285–1522 email: jshook@lbvsd.net	Cable Television	Mr. Greg Thomas Time Warner Cable 8221 W. 119th Street Overland Park, KS 66213 (913) 643–1950 email: greg.thomas@twcable.com
Water	Mr. Jeff Thorn, PE City of Lee’s Summit Water Utilities 1200 SE Hamblen Road Lee’s Summit, MO 64063 (816) 969–1922 email: jeff.thorn@cityofLS.net	Telephone	Ms. Glenda Charles AT&T 1425 Oak Street Kansas City, MO 64106 (816) 365–1669 Fax (816) 275–1109 email: gc6954@att.com
Electric Service	Mr. Nathan Michael Evergy P.O. Box 418679 Kansas City, MO 64141 (816) 220–5210 Fax (816) 245–3623 email: Nathan.Michael@kcpl.com		

Design Speed = 40 mph



VICINITY MAP

Section 33 & 34-T48N-R32W

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DEVELOPED AND OWNED BY:
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LEE’S SUMMIT, MISSOURI 64086
PHONE: (816) 802–6801
CONTACT: Mr. Flip Short
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PREPARED & SUBMITTED BY:
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9801 RENNER BOULEVARD
LENEXA, KANSAS 66219
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DATE: 07-29-20	
DESIGN BY: JJM	
DRAWN BY: DWM	
PROJECT NO.: 12720	
SHEET NO.	TOTAL SHEETS
1	30

West Bridge Plans
Paragon Star Development
Lee's Summit, Missouri

REVISIONS	BY	APPROVED

"" Indicates location of borings.

The locations of all subsurface borings for this structure are shown on the plan sheet(s) for this structure. The boring data for all locations indicated, as well as any other boring logs or other factual records of subsurface data and investigations performed by the Geotechnical Engineer for the design of the bridge, are shown on Sheet No. 30. No greater significance or weight should be given to the boring data depicted on the plan sheets than is given to the subsurface data available from the Engineer or elsewhere.

The Engineer does not represent or warrant that any such boring data accurately depicts the conditions to be encountered in constructing this bridge. A contractor assumes all risks it may encounter in basing its bid prices, time or schedule of performance on the boring data depicted here, or on any other documentation not expressly warranted, which the contractor may obtain from the Engineer.

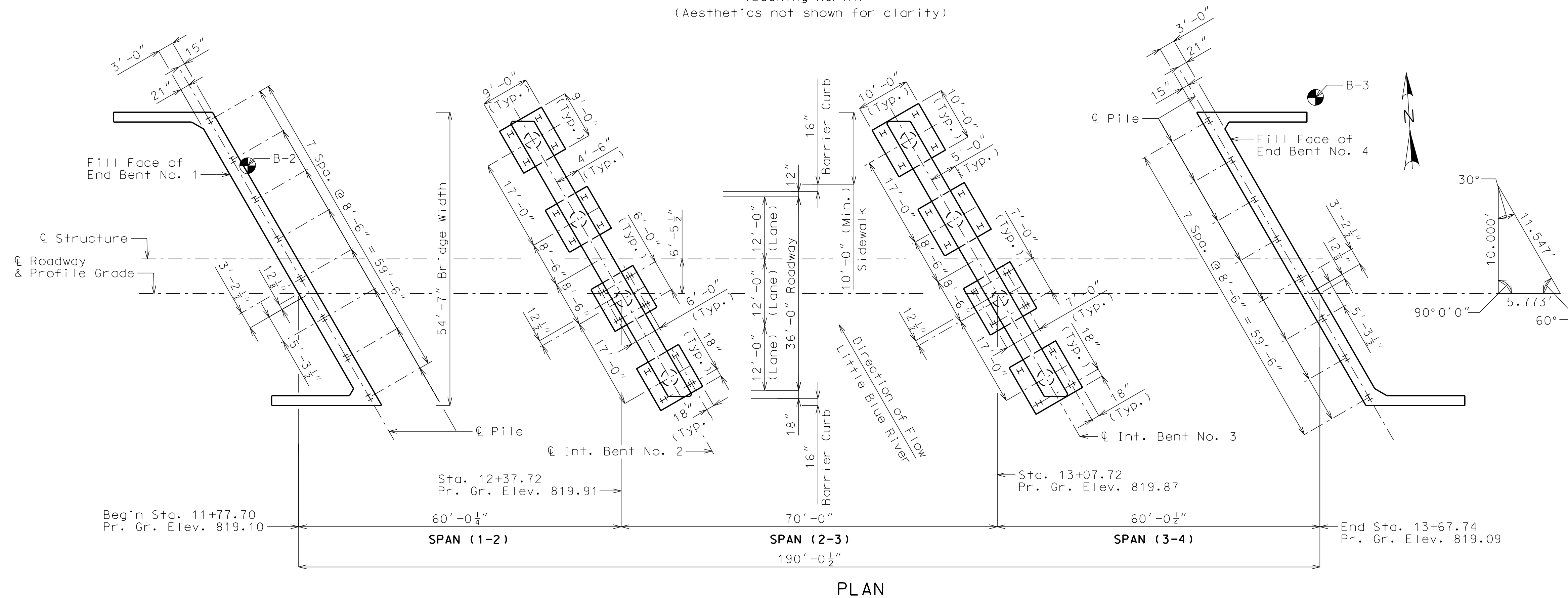
Hydrologic Data
Drainage Area = 56.8 (sq. mi.) Design Flood Frequency = 50 years Design Flood Discharge = 4,794 cfs Design Flood (D.F.) Elevation = 809.8
Base Flood (100-year)
Base Flood Elevation = 811.28 Base Flood Discharge = 5,636 cfs Estimated Backwater = 0.2 ft Average Velocity thru Opening = 2.6 ft/s
Freeboard (50-year)
Design High Water = 809.8 Freeboard = 2.6 ft
Roadway Overtopping
Overtopping Flood Frequency >500 years

Notes:

Roadway fill shall be completed to the final roadway section and up to the elevation of the bottom of the concrete beam within the limits of the structure and for not less than 25 feet in back of the fill face of the end bents before any piles are driven for any bents falling within the embankment section.

All bents are parallel.

All longitudinal dimensions shown are horizontal.



Note: This drawing is not to scale. Follow dimensions.

BRIDGE: WEST PARAGON PARKWAY OVER LITTLE BLUE RIVER

General Notes:

Design Specifications:
2012 AASHTO LRFD Bridge Design Specifications (6th Ed.) and 2013 Interim Revisions.
Seismic Design Category = A
All referenced specifications shall refer to Missouri Standard Specifications for Highway Construction unless otherwise noted. Construction of the bridge shall conform to the MoDOT standard specification. Payment for construction of the bridge shall be completely covered by the lump sum.

Design Loading:
Vehicular = HL-93
Future Wearing Surface = 35 lb/sf
Earth = 120 lb/cf
Equivalent Fluid Pressure = 70 lb/cf

Design Unit Stresses:
Class B Concrete (Substructure) $f'c = 4,000$ psi
Class B-1 Concrete (Barrier Curb) $f'c = 4,000$ psi
Class B-2 Concrete (Superstructure except Barrier Curb) $f'c = 4,000$ psi
Reinforcing Steel (Grade 60) $fy = 60,000$ psi
Structural Steel HP Pile (ASTM A709 Grade 50S) $fy = 50,000$ psi
For Precast Prestressed Panel Stresses, see Sheet No. 17.
For Prestressed Girder Stresses, See Sheets No. 14 & 15.

Neoprene Pads:
Plain and Laminated Neoprene Bearing Pads shall be 60 durometer and shall be in accordance with Sec 716.

Joint Filler:
All joint filler shall be in accordance with Section 1057 for preformed sponge rubber expansion and partition joint filler, except as noted.

Reinforcing Steel:
Minimum clearance to reinforcing steel shall be 1 1/2", unless otherwise shown.
All reinforcement shall be epoxy coated.

Minimum clearance between galvanized piles and uncoated (plain) reinforcing steel including bar supports shall be 1 1/2". Nylon, PVC, or other polyethylene spacers shall be used to maintain clearance. Nylon cable ties shall be used to bind the spacers to the reinforcement.

Miscellaneous:
City Construction personnel will indicate the type of joint filler option used under the precast panels for this structure:

- ☐ Constant Joint Filler
- ☐ Variable Joint Filler

FOUNDATION DATA					
TYPE	DESIGN DATA	BENT NUMBER			
		1	2	3	4
Load Bearing Pile	Pile Type and Size	HP12x53	HP12x53	HP12x53	HP12x53
	Number	ea	8	16	16
	Approximate Length per Each	ft	64	16	32
	Pile Point Reinforcement	ea	8	16	16
	Min. Galvanized Penetration (Elev.)	ft	745	770	760
	Est. Max Scour Depth 500 (Elev.)	ft	794	790	791
	Pile Driving Verification Method		WEAP	WEAP	WEAP
	Resistance Factor		0.5	0.5	0.5
	Minimum Nominal Axial Compressive Resistance	kip	518	504	522

WEAP = Wave Equation Analysis of Piles

Minimum Nominal Axial Compressive Resistance = Maximum Factored Loads/Resistance Factor

Prebore for piles at Bent No. 2 to elevation 770.0.

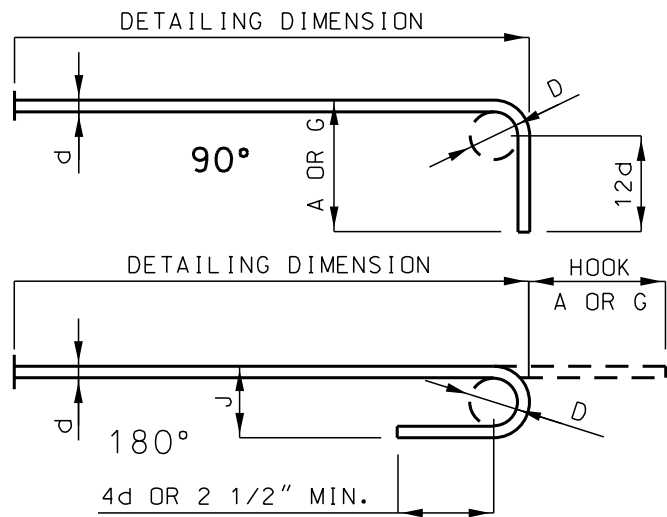
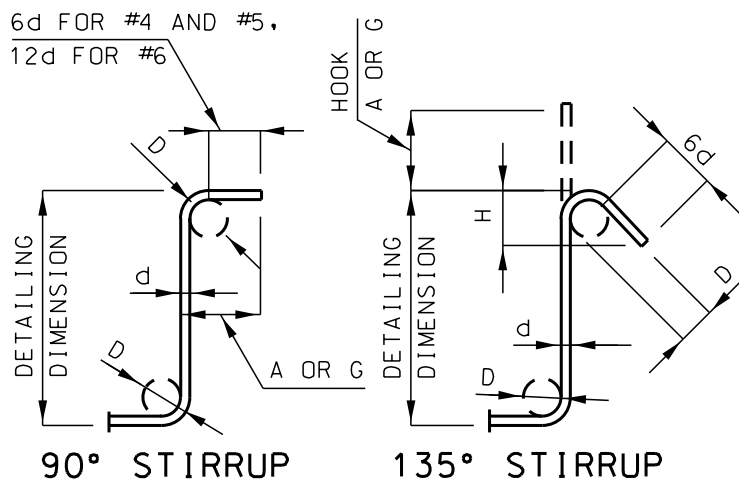
HP piles are anticipated to be driven to refusal on rock. Review all borings for depth of rock and restrict driving as appropriate to comply with hard rock driving criteria in accordance with Sec 702.

All piles at End Bent 1 shall be galvanized down to the minimum galvanized penetration (elevation) of 785. All piles at Int. Bent 2 and 3 and End Bent 4 shall be completely galvanized.

Pile point reinforcement need not be galvanized. Shop drawings will not be required for pile point reinforcement.

The contractor shall make every effort to achieve the minimum galvanized penetration (elevation) shown on the plans for all piles. Deviations in penetration less than 5 feet of the minimum will be considered acceptable provided the contractor makes the necessary corrections to ensure the minimum penetration is achieved on subsequent piles.

Method of forming the slab shall be as shown on the plans and in accordance with Sec 703. All hardware for forming the slab to be left in place as a permanent part of the structure shall be coated in accordance with ASTM A123 or ASTM B633 with a thickness class SC 4 and a finish type I, II, or III.



STIRRUP HOOK DIMENSIONS				
GRADES 40 - 50 - 60 KSI				
BAR SIZE	D (IN.)	90° HOOK HOOK A OR G	135° HOOK HOOK A OR G	APPROX. H
#4	2"	4 1/2"	4 1/2"	3"
#5	2 1/2"	6"	5 1/2"	3 3/4"
#6	4 1/2"	12"	8"	4 1/2"

NOTE: UNLESS OTHERWISE NOTED, DIAMETER "D" IS THE SAME FOR ALL BENDS AND HOOKS ON A BAR.

END HOOK DIMENSIONS				
BAR SIZE	D (IN.)	ALL GRADES		
		180° HOOKS A OR G	J	90° HOOKS A OR G
#3	2 1/4"	5"	3"	6"
#4	3"	6"	4"	8"
#5	3 3/4"	7"	5"	10"
#6	4 1/2"	8"	6"	12"
#7	5 1/4"	10"	7"	14"
#8	6"	11"	8"	16"
#9	9 1/2"	15"	11 3/4"	19"
#10	10 3/4"	17"	13 1/4"	22"
#11	12"	19"	14 3/4"	2'-0"
#14	18 1/4"	2'-3"	21 3/4"	2'-7"

NOTE:

ALL STANDARD HOOKS AND BENDS OTHER THAN 180 DEGREE ARE TO BE BENT WITH SAME PROCEDURE AS FOR 90 DEGREE STANDARD HOOKS.
HOOKS AND BENDS SHALL BE IN ACCORDANCE WITH THE PROCEDURES AS SHOWN ON THIS SHEET.
E = EPOXY COATED REINFORCEMENT.
S = STIRRUP.
X = BAR IS INCLUDED IN SUBSTRUCTURE QUANTITIES.
V = BAR DIMENSIONS VARY IN EQUAL INCREMENTS BETWEEN DIMENSIONS SHOWN ON THIS LINE AND THE FOLLOWING LINE.
NO. EA. = NUMBER OF BARS OF EACH LENGTH.
NOMINAL LENGTHS ARE BASED ON OUT TO OUT DIMENSIONS SHOWN IN BENDING DIAGRAMS AND ARE LISTED FOR FABRICATORS USE. (NEAREST INCH)
ACTUAL LENGTHS ARE MEASURED ALONG CENTERLINE BAR TO THE NEAREST INCH.
PAYWEIGHTS ARE BASED ON ACTUAL LENGTHS.
FOUR ANGLE OR CHANNEL SPACERS ARE REQUIRED FOR EACH COLUMN SPIRAL. SPACERS ARE TO BE PLACED ON INSIDE OF SPIRALS. LENGTH AND WEIGHT OF COLUMN SPIRALS DO NOT INCLUDE SPLICES OR SPACERS.
REINFORCING STEEL (GRADE 60) FY = 60,000 PSI.

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DRAWN BY: DWM
PROJECT NO.: 12720
SHEET NO. 2
TOTAL SHEETS 30

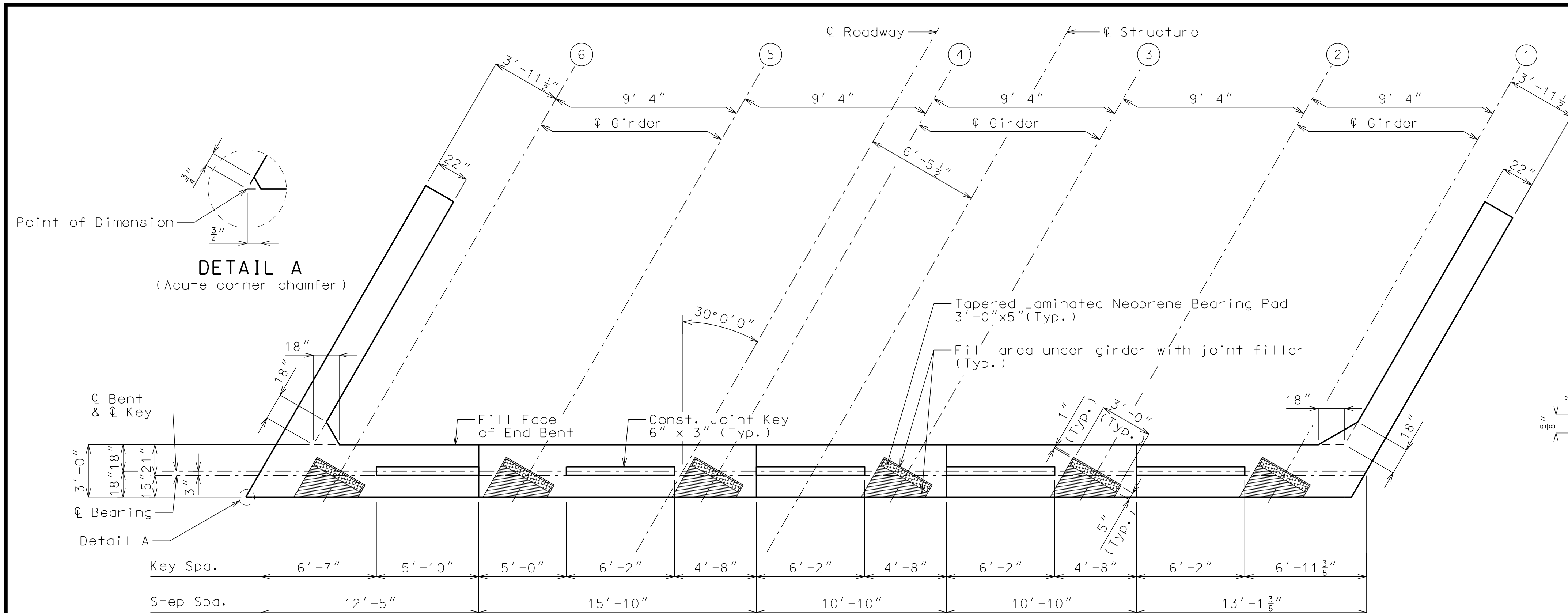
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PE-2009010386

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GENERAL NOTES

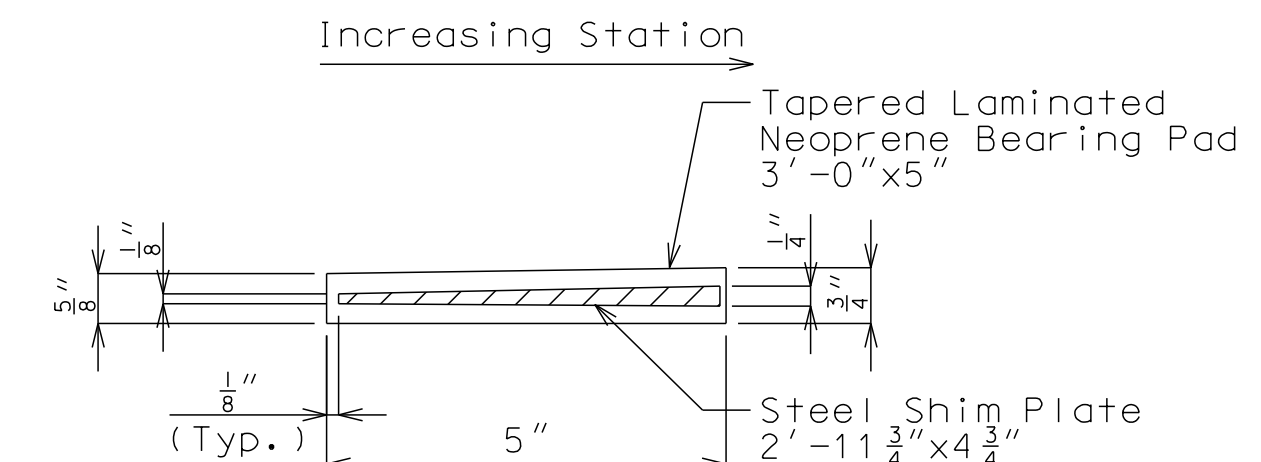
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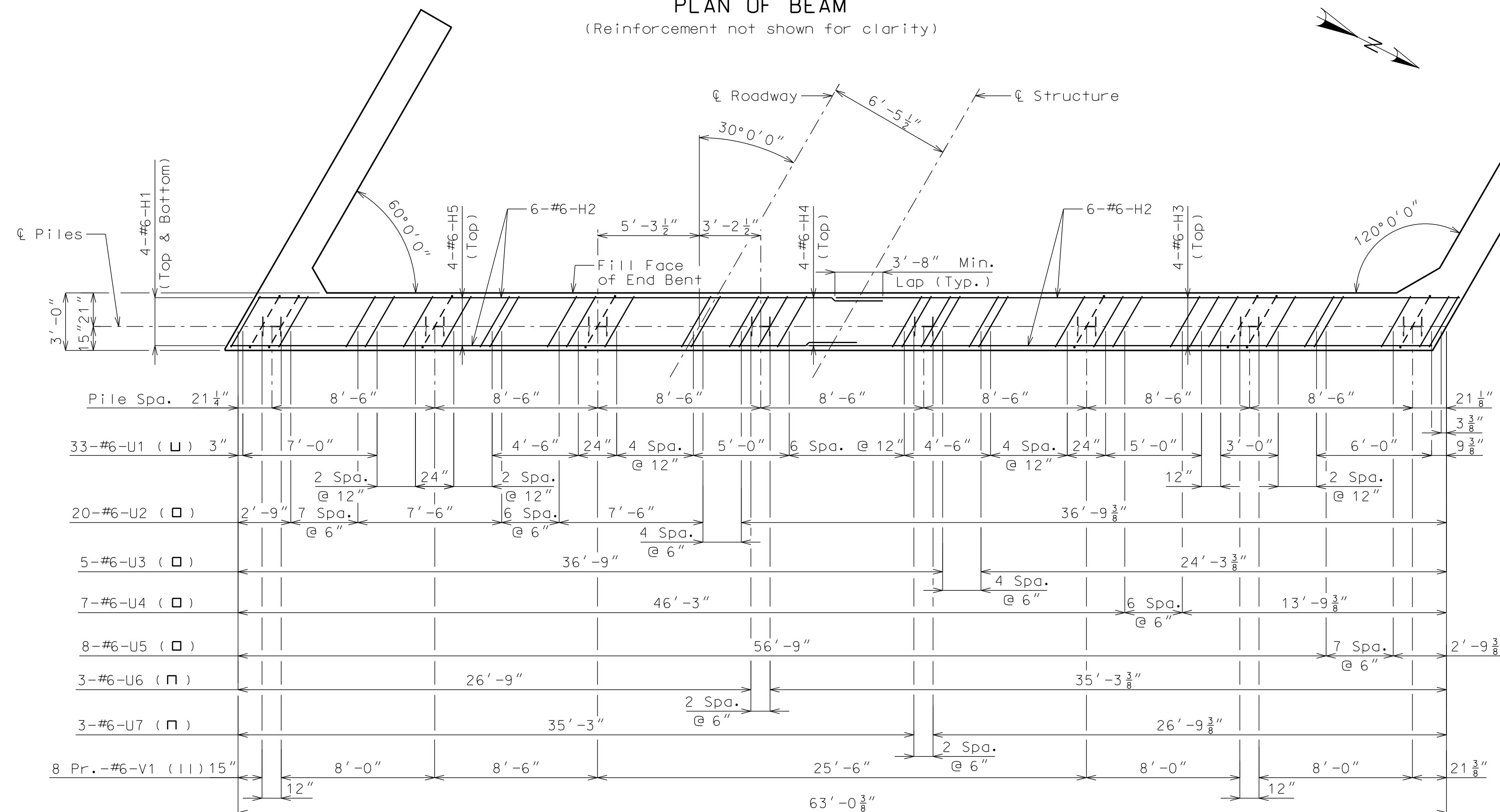
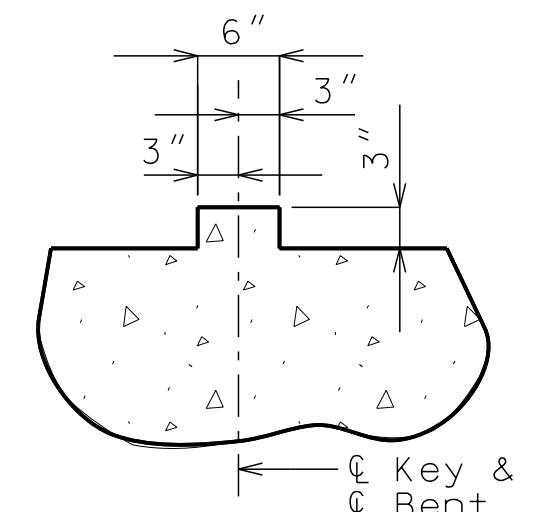
DETAIL A
(Acute corner chamfer)



BEARING PAD DETAIL

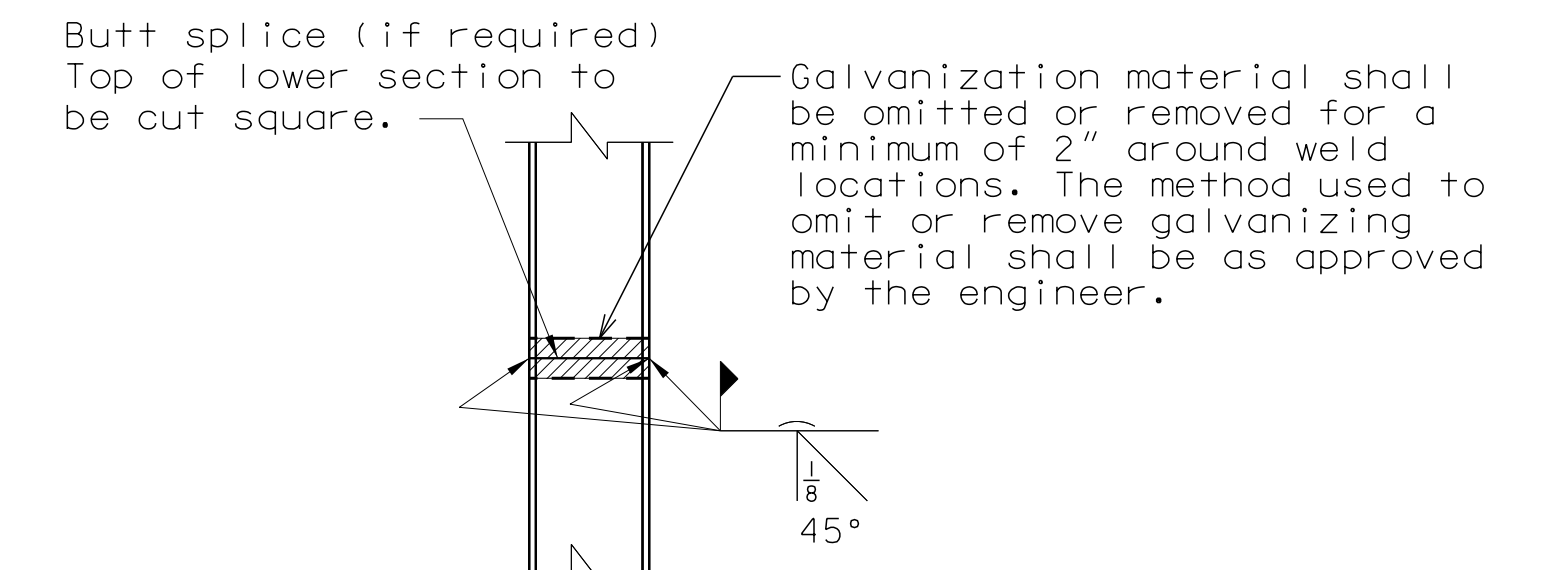


SECTION THRU KEY



PLAN OF BEAM SHOWING REINFORCEMENT
(Note: Steps and keys not shown for clarity)

DETAILS OF END BENT NO. 1



DETAIL OF STEEL PILE SPLICE

Notes:

- For details of End Bent No. 1 not shown, see Sheets No. 4 & 5.
- For details of Vertical Drain at End Bents, see Sheet No. 6.
- Reinforcing steel shall be shifted to clear piles. U-bars shall clear piles by at least 1 1/2".
- All concrete in the end bent above top of beam and below top of slab shall be Class B-2.
- For reinforcement of Barrier Curb, see Sheets No. 21-23 and 26.
- The U-bars and Pairs-V bars shall be placed parallel to ℄ Roadway .

Note: This drawing is not to scale. Follow dimensions.

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				PROJECT NO.: 12720	
JOSHUA J. MILLER PROFESSIONAL ENGINEER PE-2009010386		<i>West Bridge Plans</i> Paragon Star Development <i>Lee's Summit, Missouri</i>		SHEET NO.	TOTAL SHEETS
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SHEET NO.

6

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Lee's Summit, Missouri

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The diagram shows the elevation of the north wing and end bent. The north wing features a lower beam, a cut coupler flush with the ground line, and a cap. The end bent has a 6"x3" curb, a 16" barrier curb, and a vertical drain core. A ground line is indicated for both structures. A detail A is shown at the junction of the wing and bent. A vertical drain core (along wing) is also shown. A 1 1/2" minimum clearance is noted. A coupler is shown connecting the unperforated drain pipe to the perforated drain pipe.

ELEVATION OF NORTH WING

ELEVATION OF END BENT

The plan view of the end bent shows the layout of the drainage system. It includes an unperforated drain pipe, a coupler (typical), geotextile fabric (typical), and a perforated drain pipe. A cap is shown at the end of the bent.

PLAN OF END BENT

Detail A shows a close-up of the drain pipe assembly. It includes an unperforated drain pipe, a rodent screen, and a cut coupler to slope of ground line.

DETAIL A

The elevation of the south wing shows the ground line, an elbow, and a cut coupler flush with the ground line.

ELEVATION OF SOUTH WING

The part plan shows the layout of the drainage system at the end bent. It includes a perforated drain pipe, an unperforated drain pipe, an elbow, and a 90-degree angle. A 6-inch minimum clearance is noted.

PART PLAN

OPTIONAL TURNED DRAIN

(Only if rock is encountered outside of wing)

VERTICAL DRAIN AT END BENTS

(Squared end bent shown, skewed end bent similar)

Part Section A-A shows a cross-section of the drainage system. It includes fabric wrap, a vertical drain core, geotextile fabric, and a perforated drain pipe. A 6-inch minimum clearance is noted.

PART SECTION A-A

(Section thru wing similar)

General Notes:

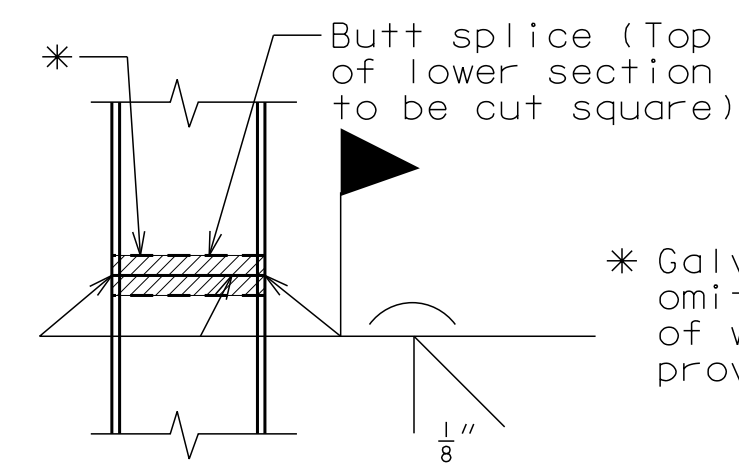
All drain pipe shall be sloped 1 to 2 percent.

Drain pipe may be either 6-inch diameter corrugated metallic-coated steel pipe underdrain, 4-inch diameter corrugated polyvinyl chloride (PVC) drain pipe, or 4-inch diameter corrugated polyethylene (PE) drain pipe.

Drain pipe shall be placed at fill face of end bent and inside face of wings. The pipe shall slope to lowest grade of ground line, also missing the lower beam of end bent by a minimum of 1 1/2 inches.

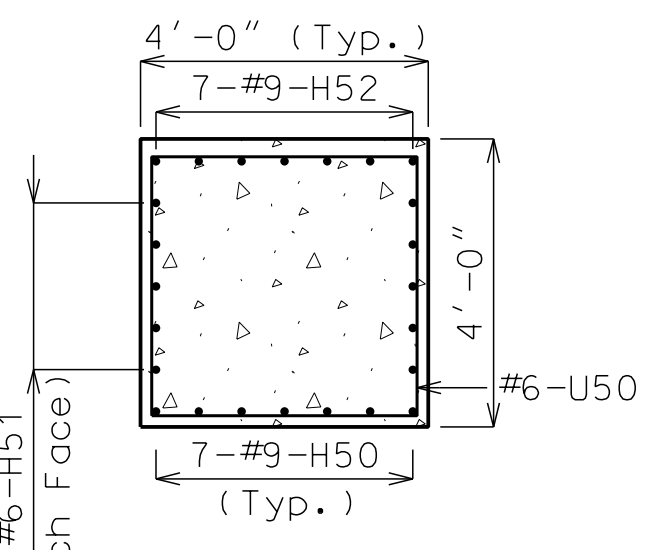
Perforated pipe shall be placed at fill face side and inside face of wings at the bottom of end bent and plain pipe shall be used where the vertical drain ends to the exit at ground line.

Note: This drawing is not to scale. Follow dimensions.

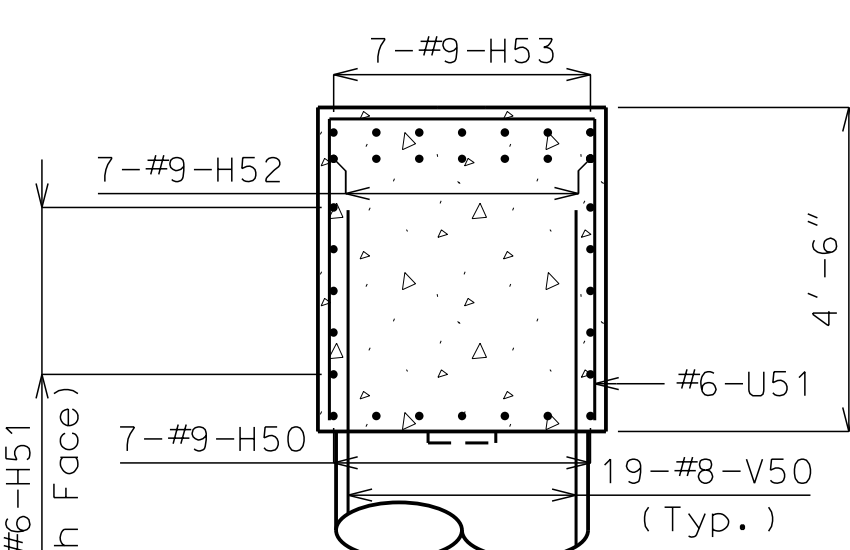


STEEL PILE SPLICE
(if required)

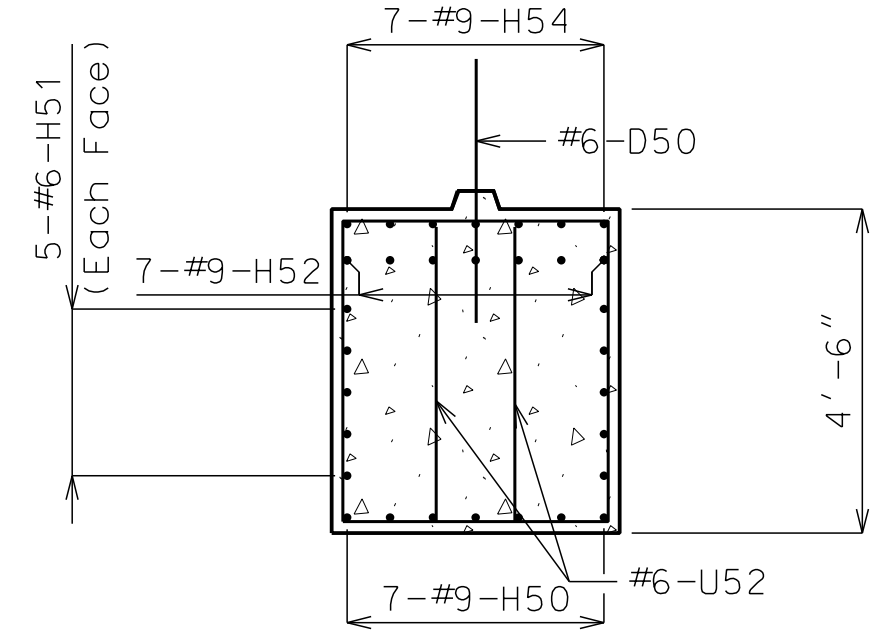
* Galvanizing material shall be omitted or removed 1 inch clear of weld locations. See special provisions.



SECTION A-A

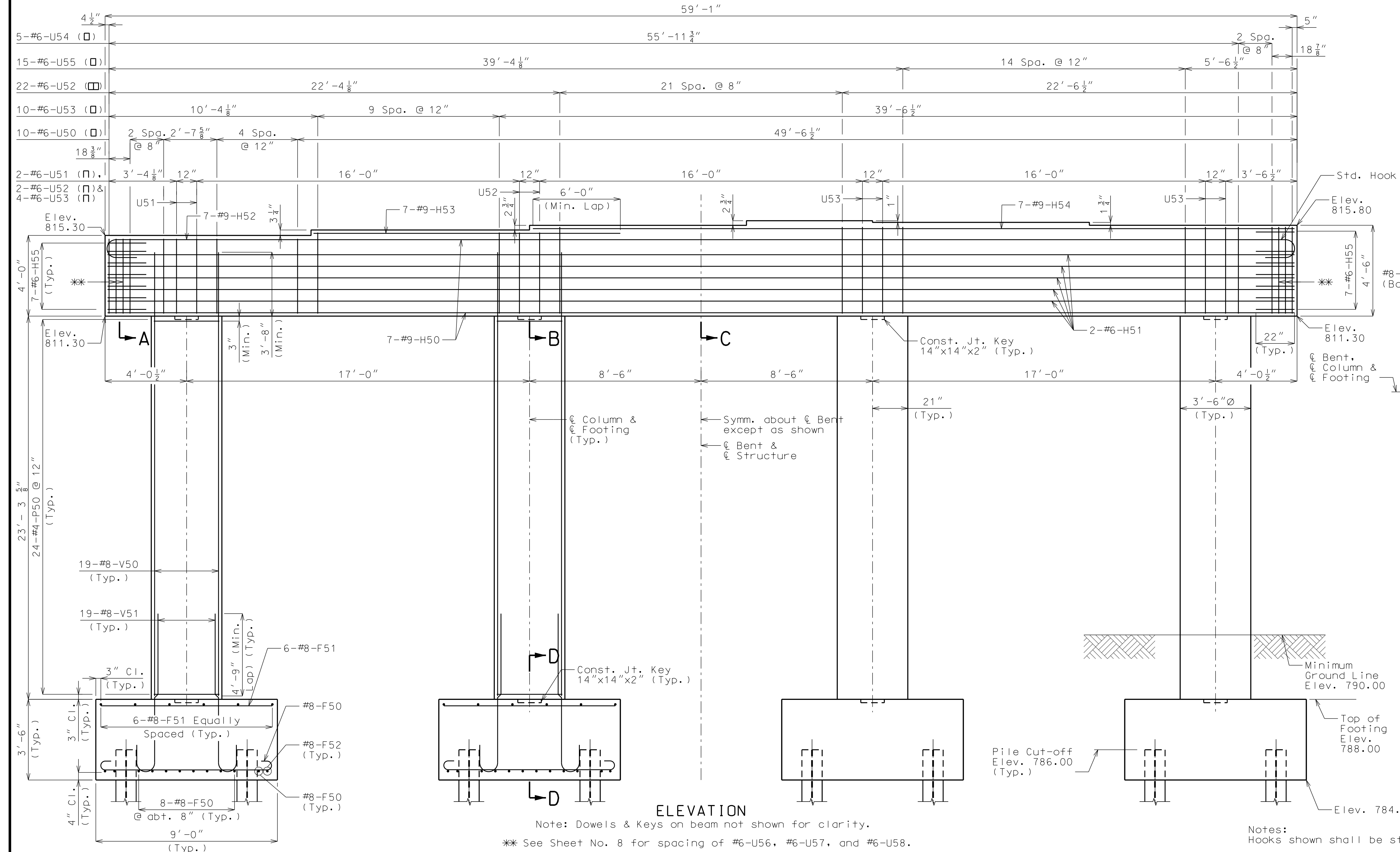


SECTION B-B



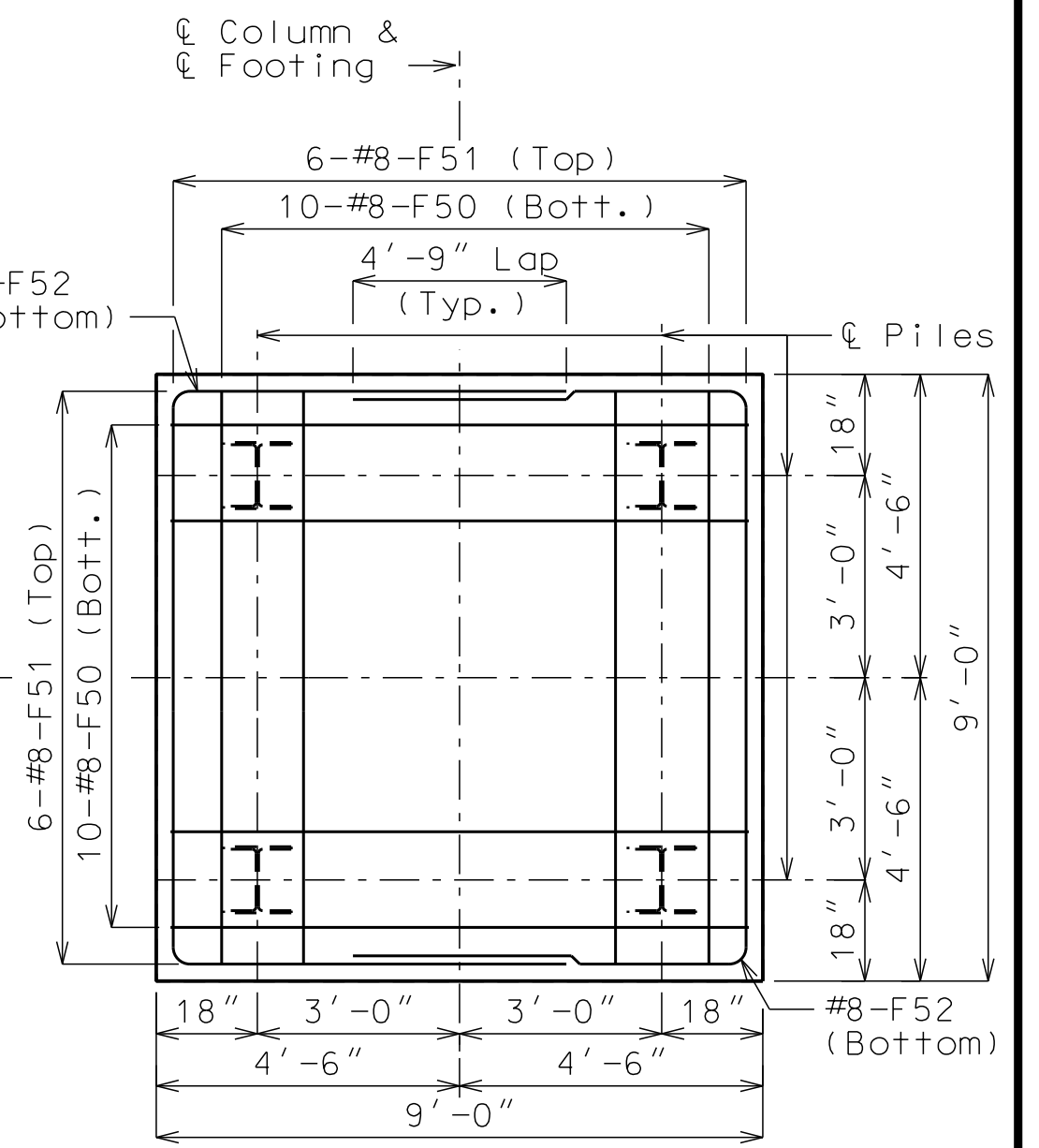
SECTION C-C

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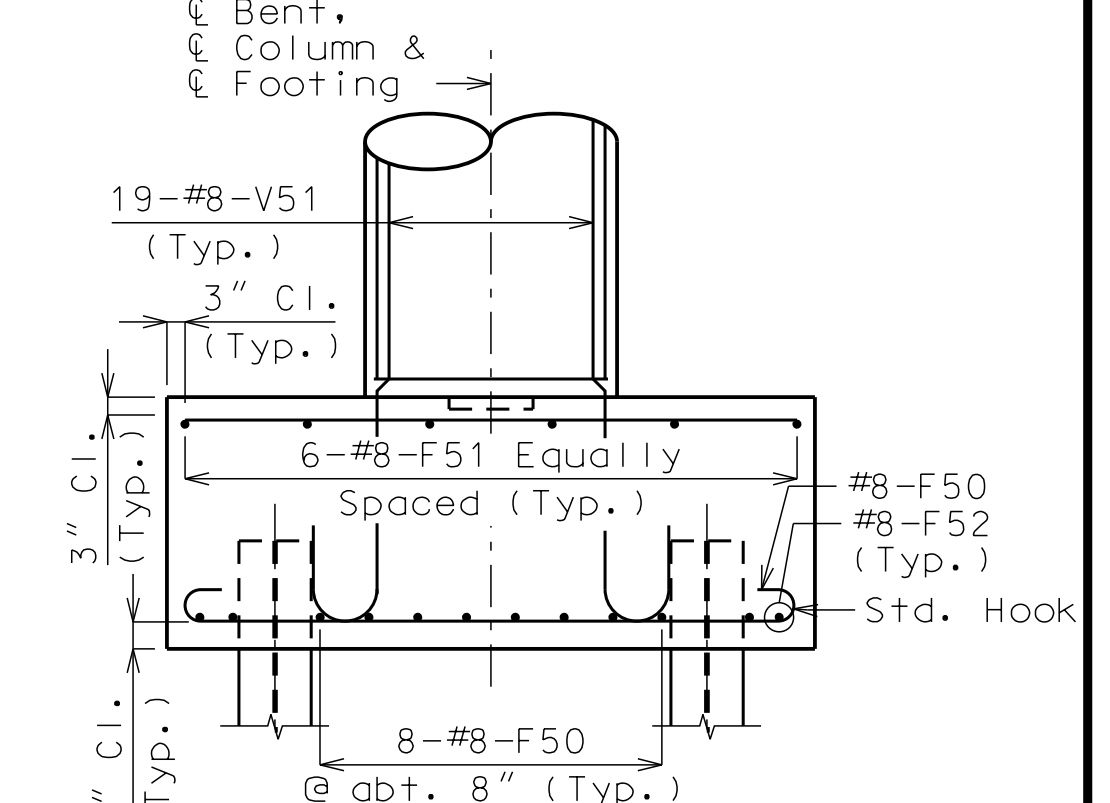


ELEVATION

Note: Dowels & Keys on beam not shown for clarity.
** See Sheet No. 8 for spacing of #6-U56, #6-U57, and #6-U58.



PLAN OF FOOTING

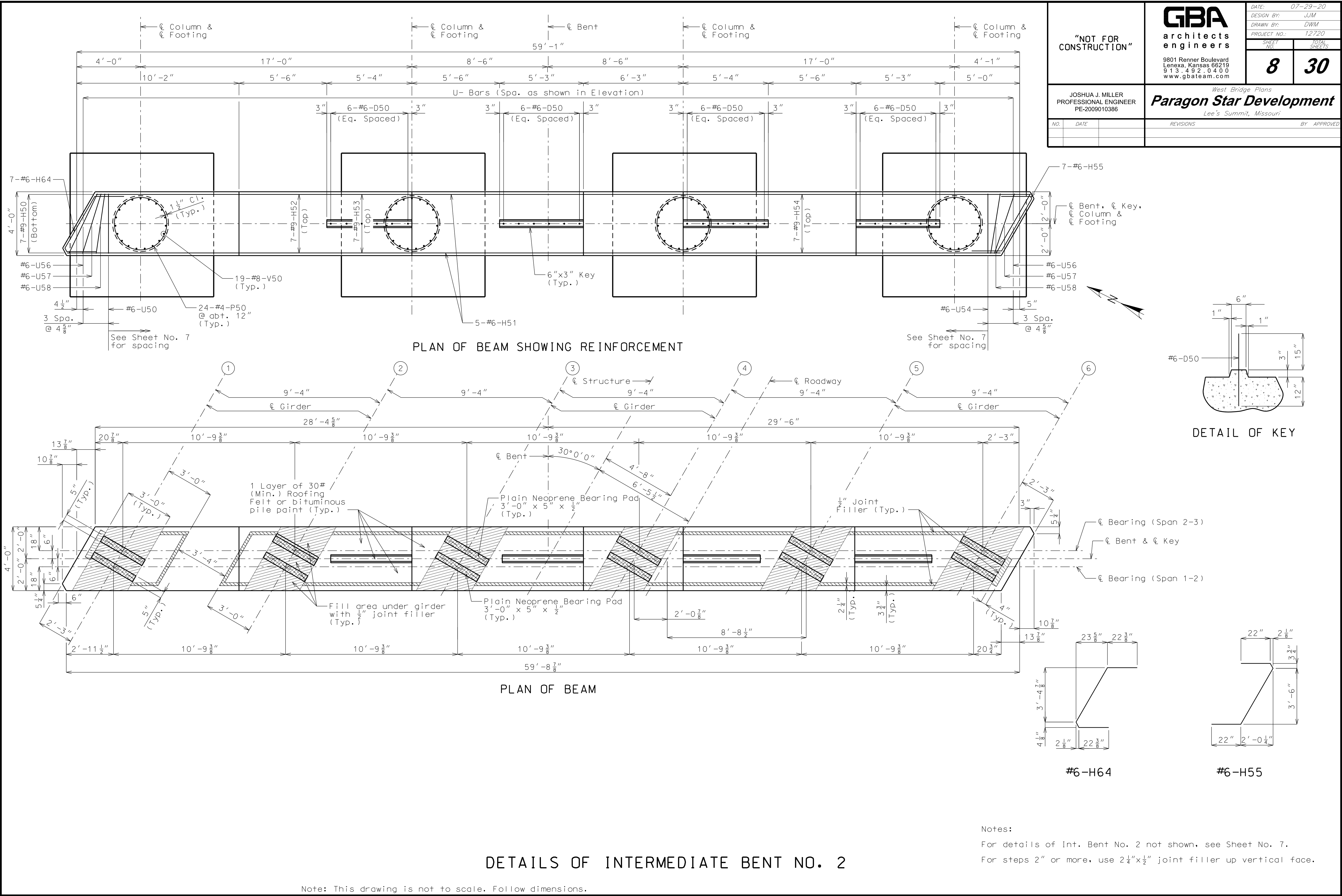


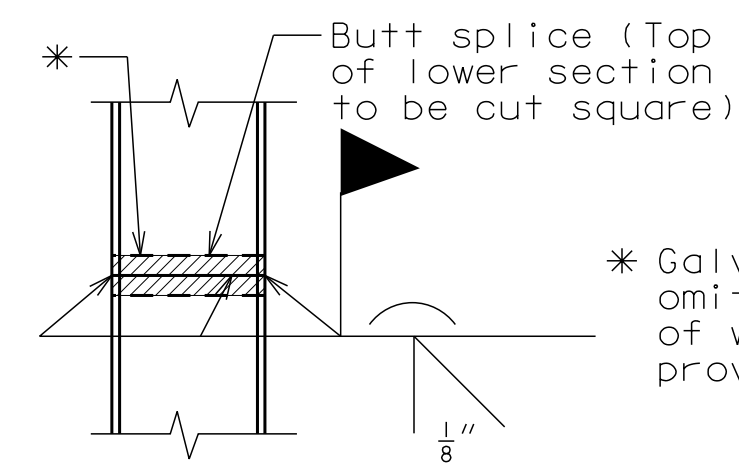
SECTION D-D

Notes:
Hooks shown shall be standard 180 degree hooks.
For details of Int. Bent No. 2 not shown, see Sheet No. 8.
Reinforcing steel shall be shifted to clear piles by 1 1/2".
For steps 2" or more, use 2 1/4"x1 1/2" joint filler up vertical face.

DETAILS OF INTERMEDIATE BENT NO. 2

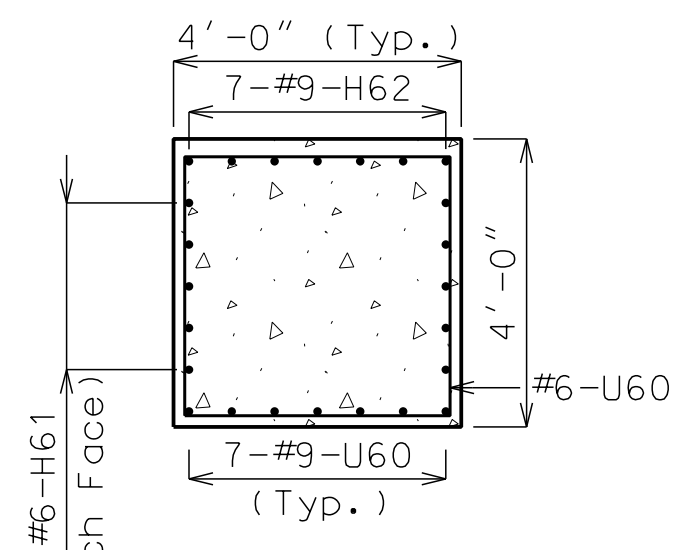
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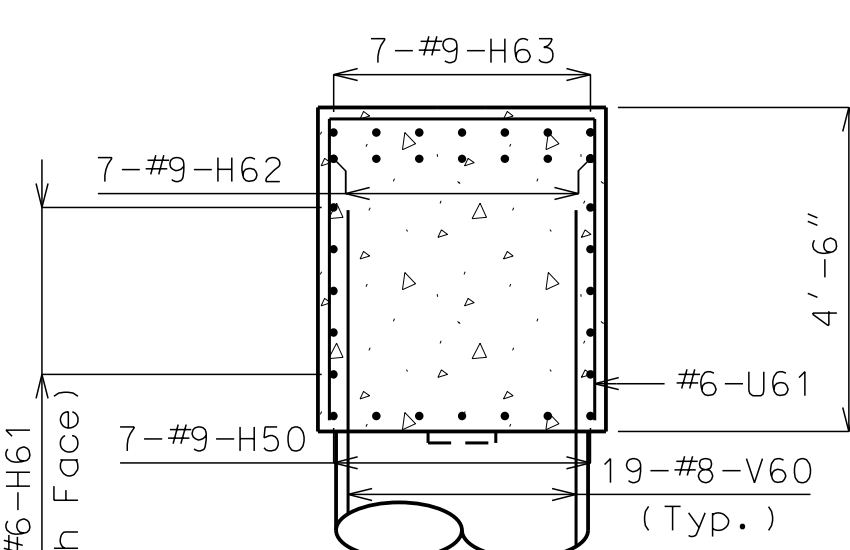


STEEL PILE SPLICE
(if required)

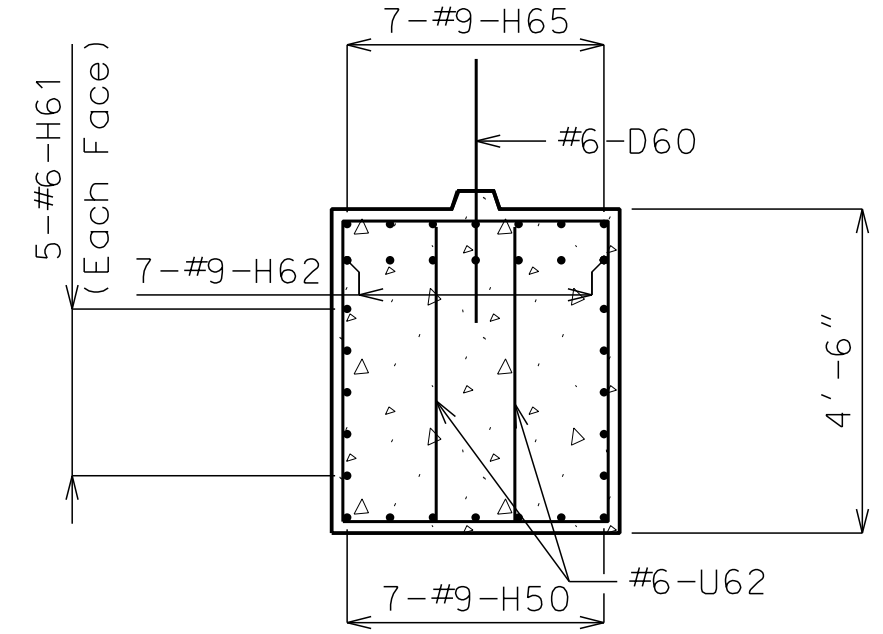
* Galvanizing material shall be omitted or removed 1 inch clear of weld locations. See special provisions.



SECTION A-A

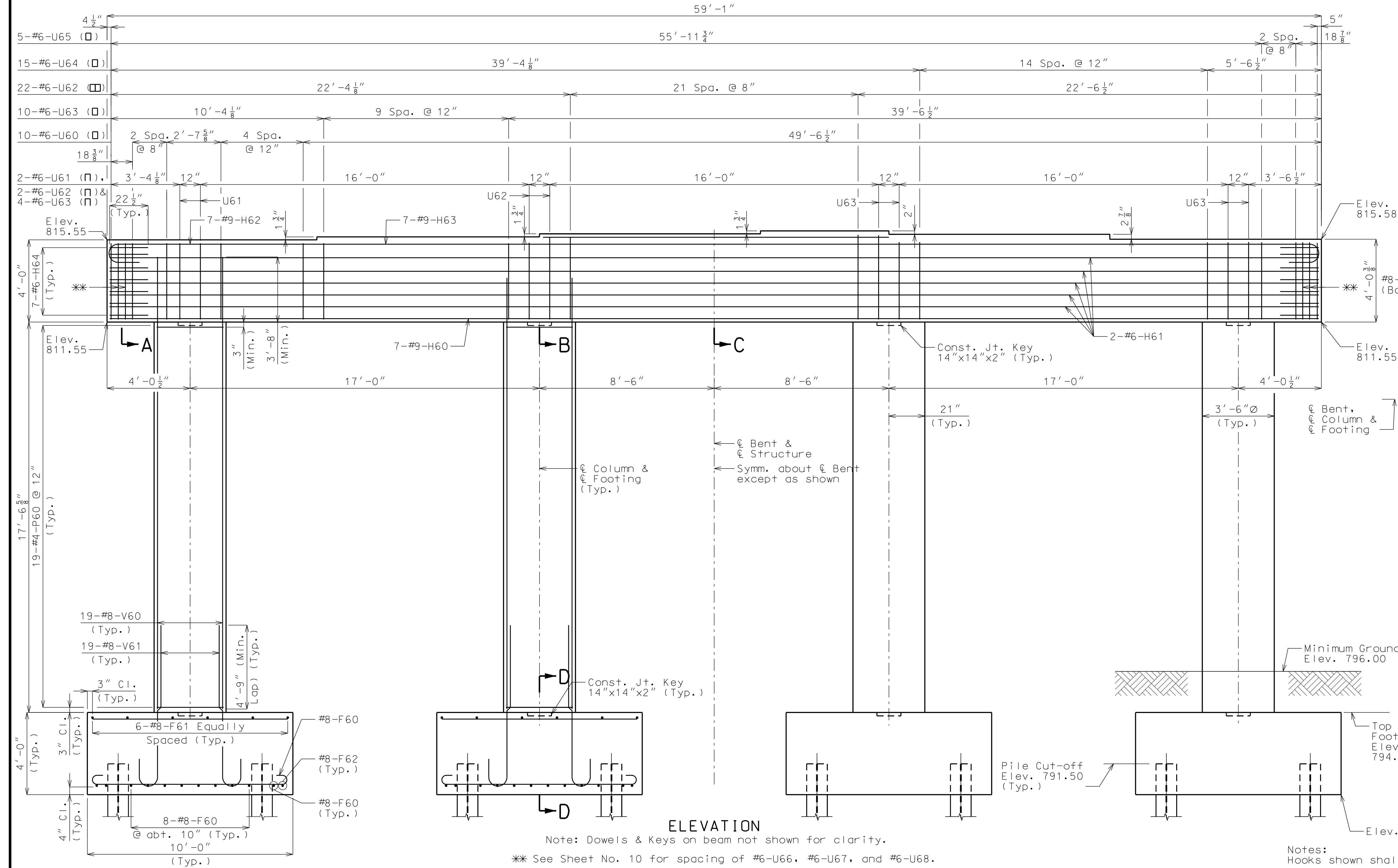


SECTION B-B



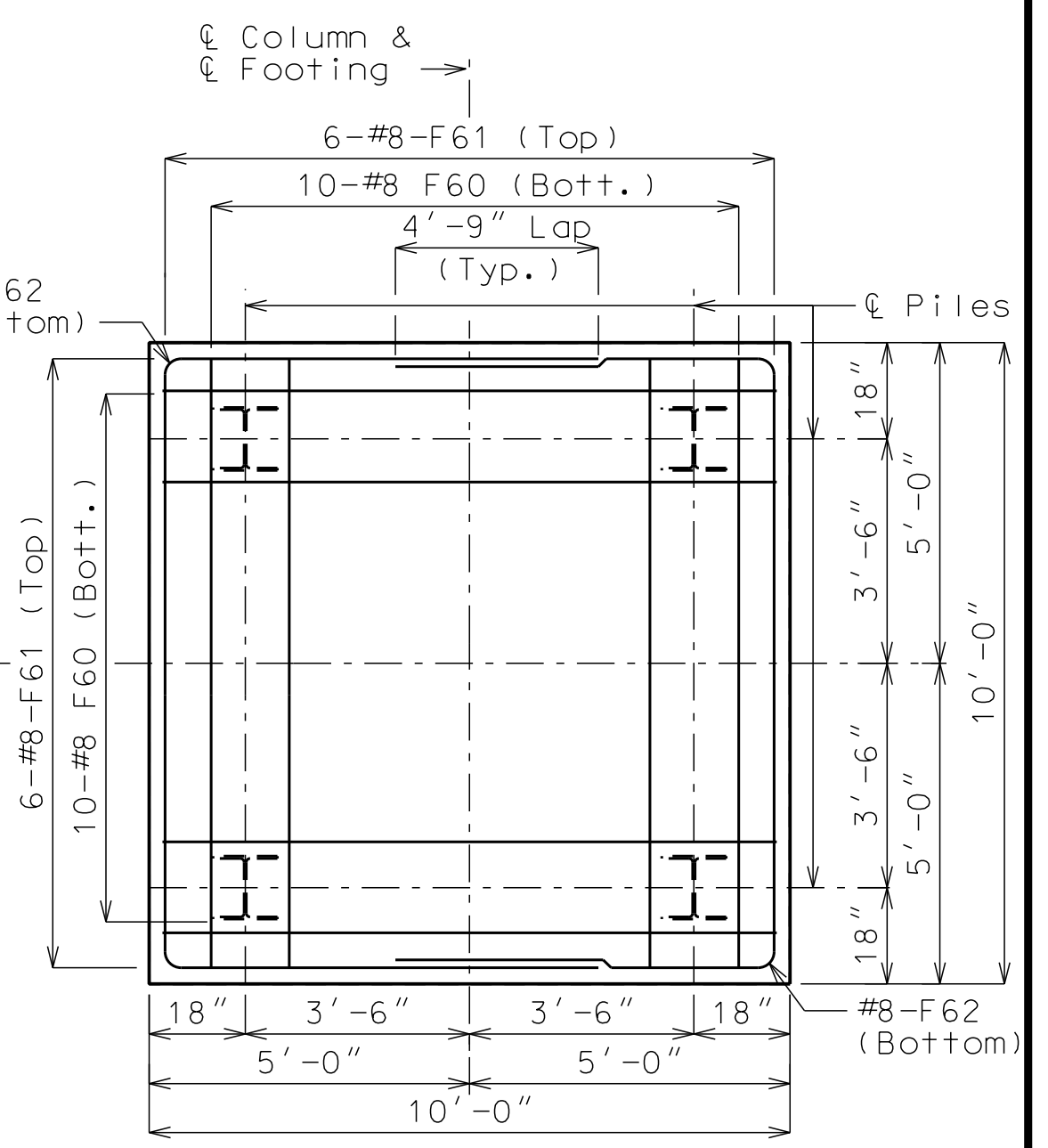
SECTION C-C

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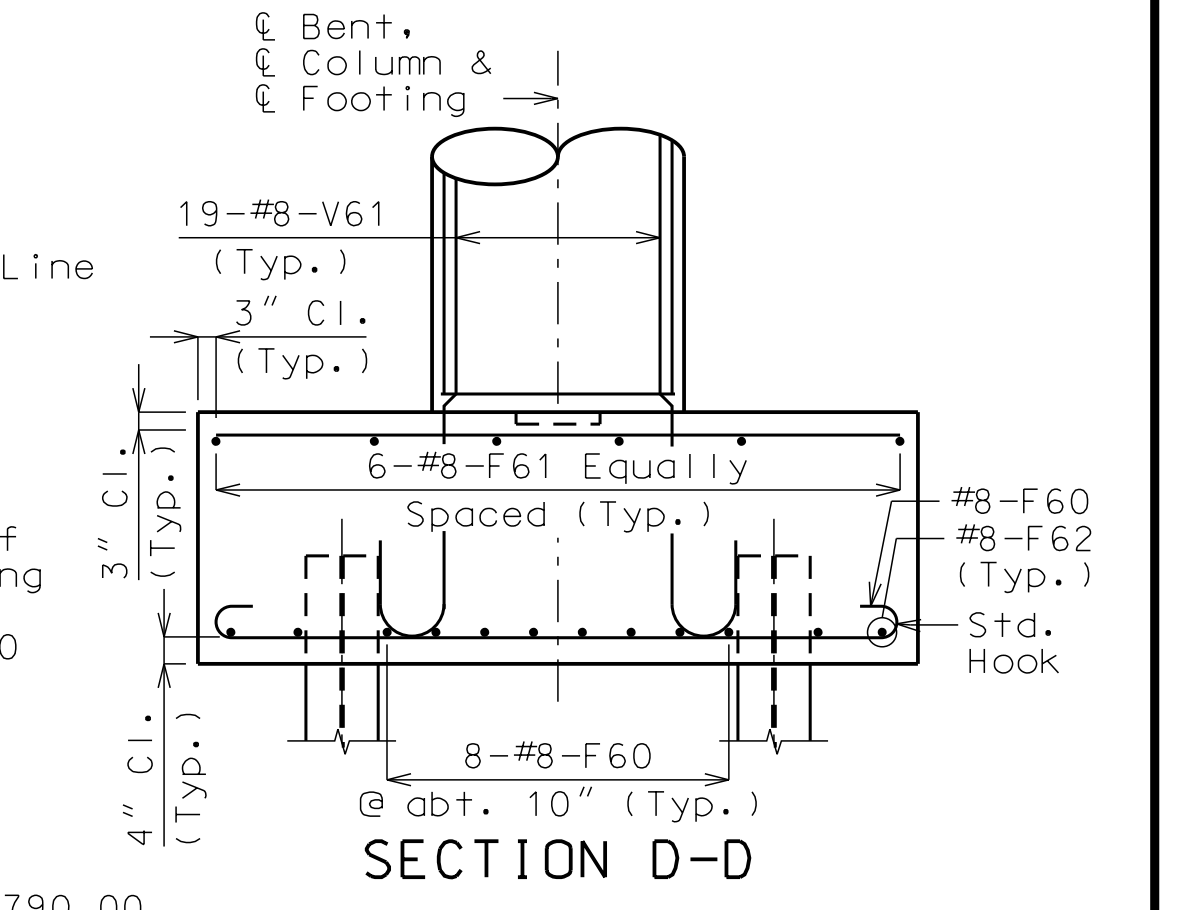


ELEVATION

Note: Dowels & Keys on beam not shown for clarity.
** See Sheet No. 10 for spacing of #6-U66, #6-U67, and #6-U68.



PLAN OF FOOTING

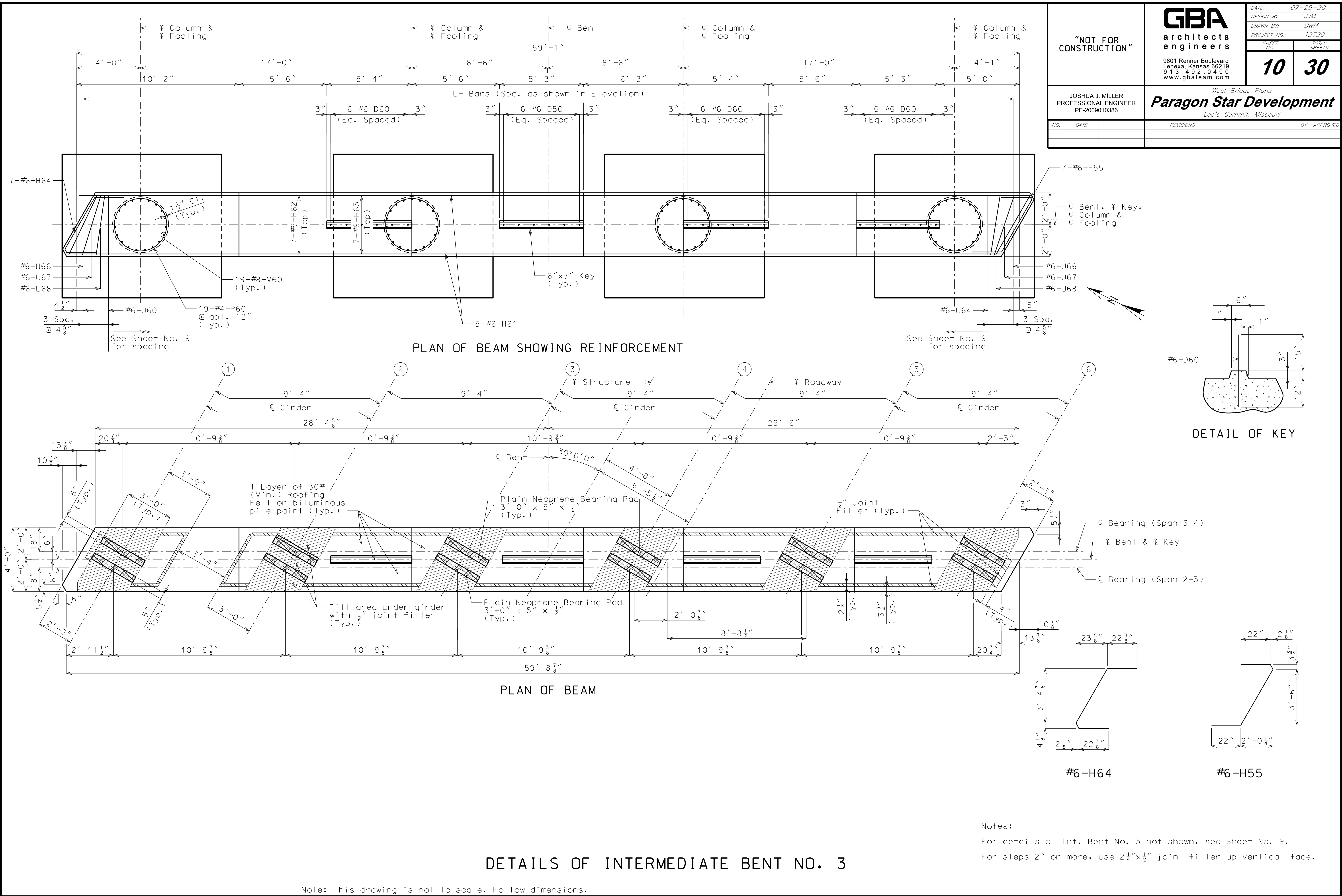


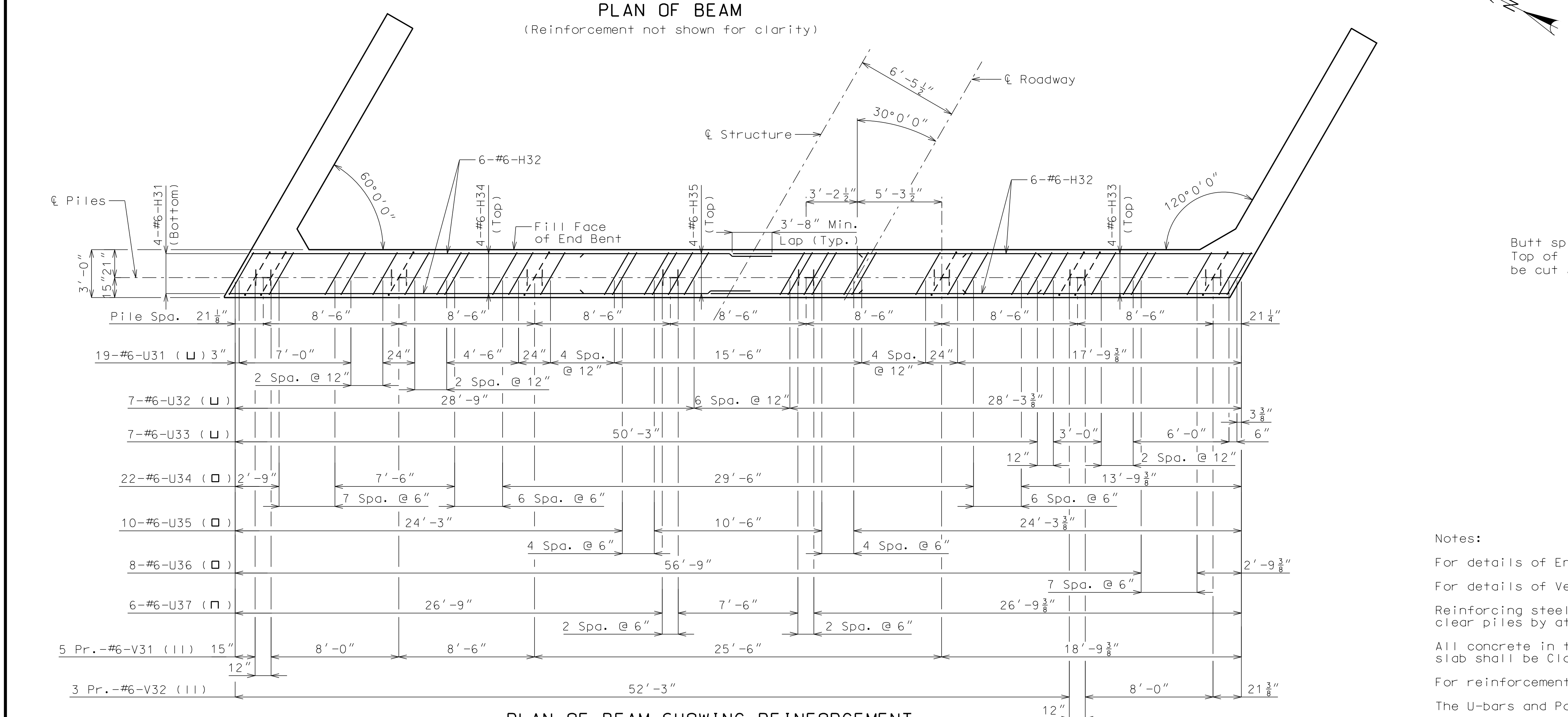
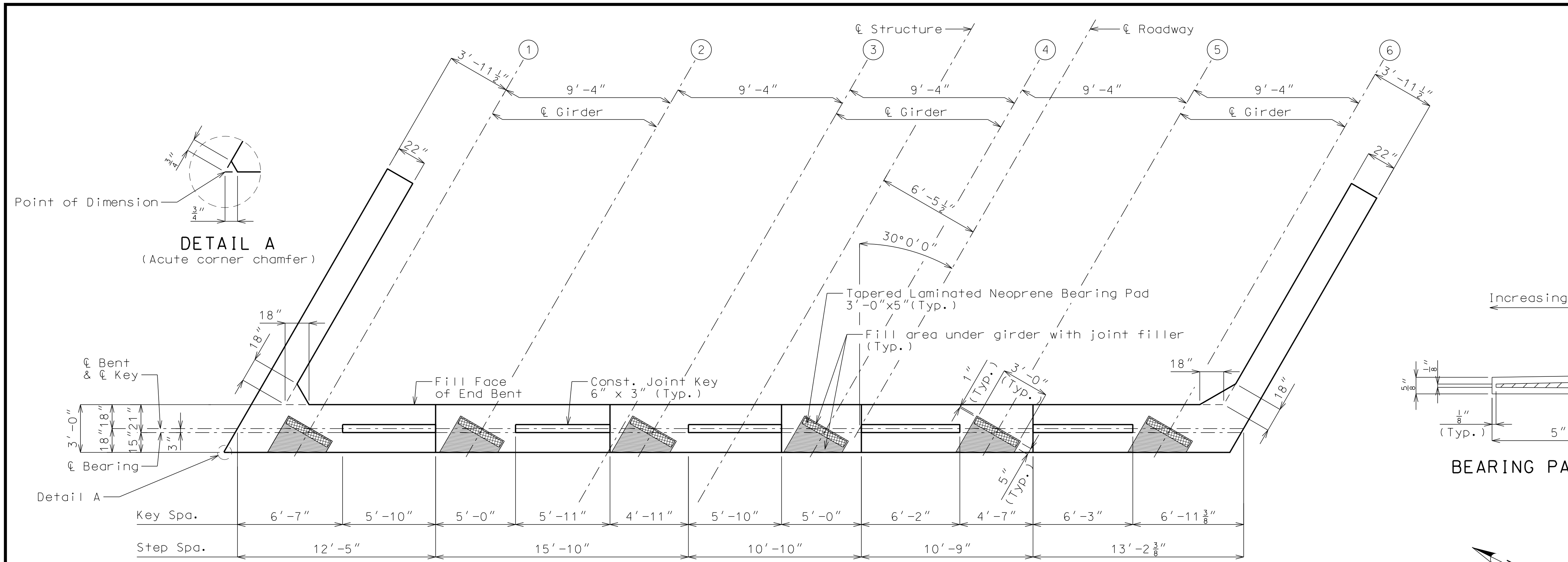
SECTION D-D

DETAILS OF INTERMEDIATE BENT NO. 3

Note: This drawing is not to scale. Follow dimensions.

Notes:
Hooks shown shall be standard 180 degree hooks.
For details of Int. Bent No. 3 not shown, see Sheet No. 10.
Reinforcing steel shall be shifted to clear piles by 1 1/2".
For steps 2" or more, use 2 1/4"x1/2" joint filler up vertical face.



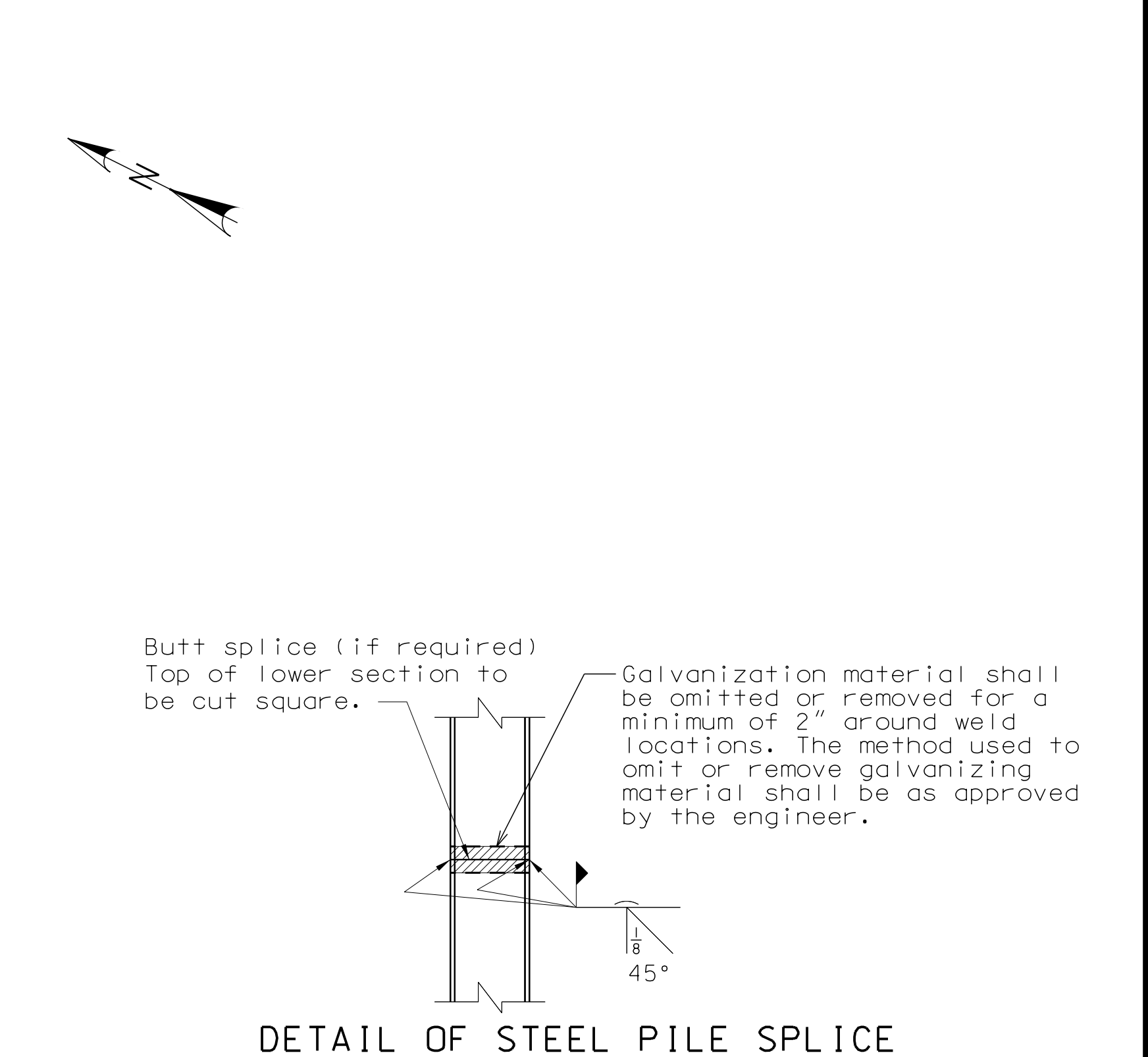
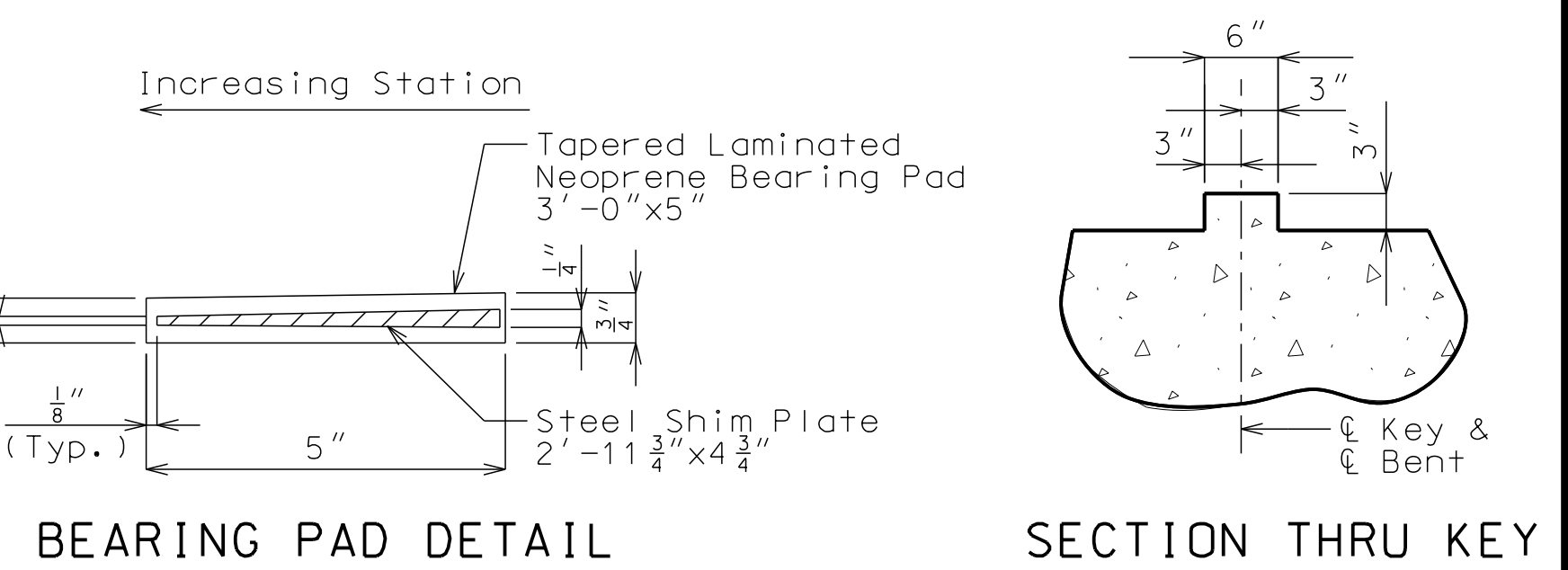


PLAN OF BEAM SHOWING REINFORCEMENT
(Note: Steps and keys not shown for clarity)

DETAILS OF END BENT NO. 4

Note: This drawing is not to scale. Follow dimensions.

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		DRAWN BY: DWM	
		PROJECT NO.: 12720	
JOSHUA J. MILLER PROFESSIONAL ENGINEER PE-2009010386	Paragon Star Development West Bridge Plans Lee's Summit, Missouri	SHEET NO.	TOTAL SHEETS
		11	30
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Notes:

For details of End Bent No. 4 not shown, see Sheets No. 12 and 13.

For details of Vertical Drain at End Bents, see Sheet No. 6.

Reinforcing steel shall be shifted to clear piles. U-bars shall clear piles by at least 1 1/2".

All concrete in the end bent above top of beam and below top of slab shall be Class B-2.

For reinforcement of Barrier Curb, see Sheets No. 21-23 and 26.

The U-bars and Pairs-V bars shall be placed parallel to ℓ Roadway.

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PROFESSIONAL ENGINEER
PE-2009010386

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SECTION NEAR END BENT
(Stirrup reinforcement and keys not shown for clarity)

DETAIL A

PART PLAN
(Note: Steps and keys not shown for clarity)

BAR BENDING DIAGRAMS

Notes:

For details of End Bent No. 4 not shown, see Sheets No. 11 and 13.

For details of Vertical Drain at End Bents, see Sheet No. 6.

Reinforcing steel shall be shifted to clear piles. U-bars shall clear piles by at least 1 1/2 inches.

All concrete in the end bent above top of beam and below top of slab shall be Class B-2.

For reinforcement of Barrier Curb, see Sheets No. 21-23 and 26.

The U-bars and Pairs-V bars shall be placed parallel to ℓ Structure.

Reinforcing steel shall be shifted as necessary to miss conduit system.

For Conduit Details, see Sheet No. 26 and 27.

The U-bars and Pairs-V bars shall be placed parallel to ℓ Structure.

For Elevations A-A & B-B, See Sheet No. 13.

For Sections C-C, D-D, E-E & F-F See Sheet No. 13.

DETAILS OF END BENT NO. 4

Note: This drawing is not to scale. Follow dimensions.

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TOTAL SHEETS

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ELEVATION A-A

TYPICAL SECTION THRU ELEVATION B-B
Looking down station
* Varies

ELEVATION B-B

SECTION C-C

SECTION D-D

SECTION E-E

SECTION F-F

DETAIL G

BAR BENDING DIAGRAM

Notes:

For details of End Bent No. 4 not shown, See Sheets No. 11 and 12.

For location of Elevations A-A & B-B, See Sheet No. 12.

For location of Sections C-C, D-D, E-E & F-F See Sheet No. 12.

Reinforcing steel shall be shifted to clear piles. U bars shall clear piles by at least 1 1/2 inch.

For reinforcement of Barrier Curb, See Sheets No. 21-23 and 26.

HP pile shall be galvanized to the minimum galvanized penetration (elevation) (See Foundation Data).

Note: This drawing is not to scale. Follow dimensions.

Concrete for prestressed girders shall be Class A-1 with $f'c = 8000$ psi and $f'ci = 6500$ psi.

(+) indicates prestressing strand.

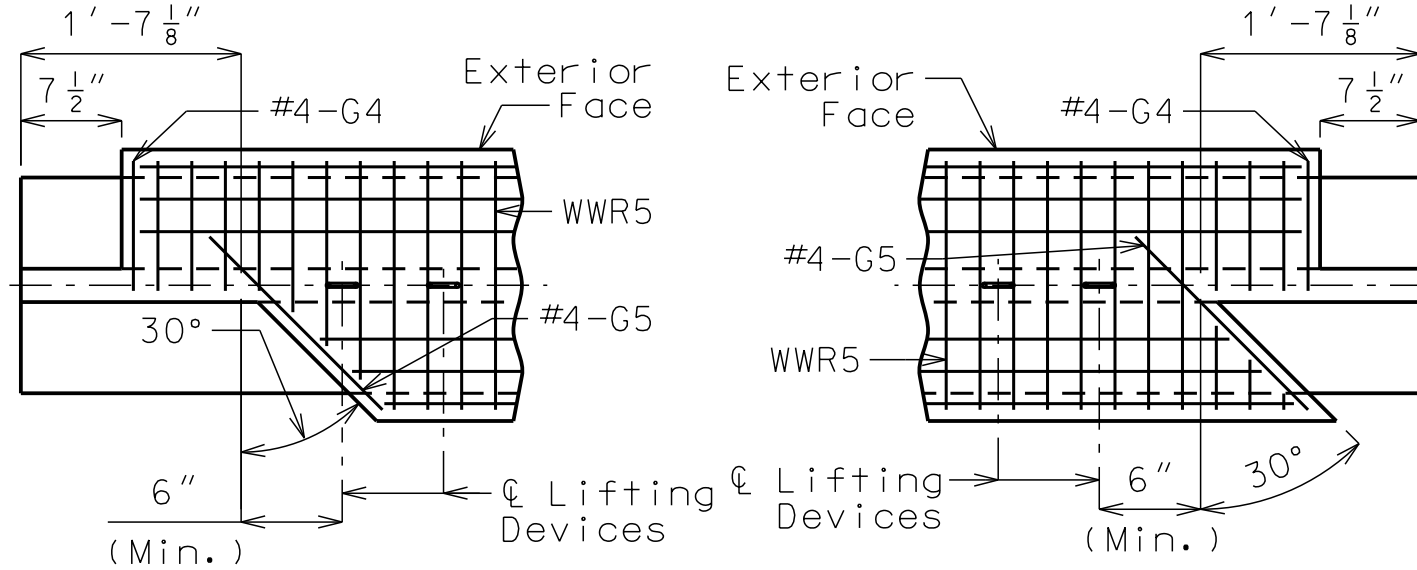
Use 20 strands with an initial prestress force of 879 kips.

Prestressing tendons shall be uncoated, seven-wire, low-relaxation strands, 0.6 inch diameter in accordance with AASHTO M 203, Grade 270. Pretensioned members shall be in accordance with Sec 1029.

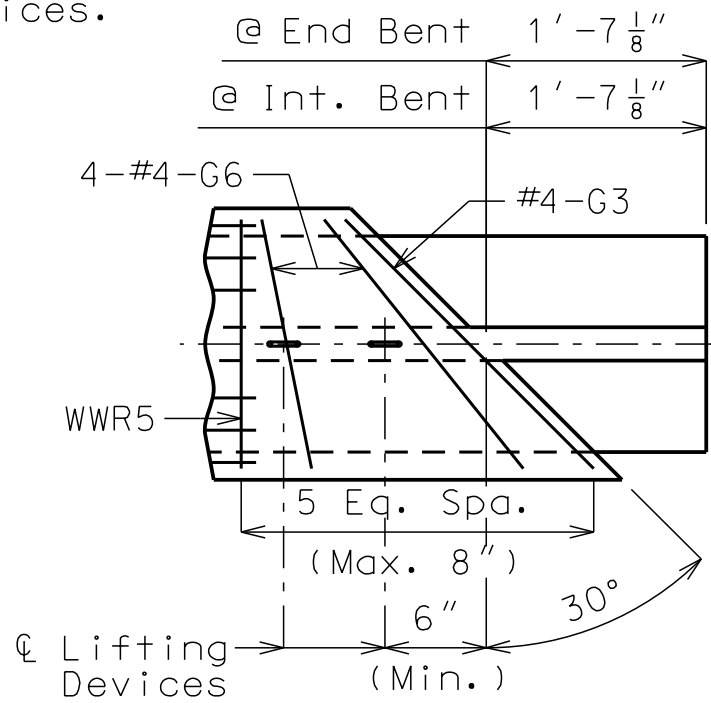
* Girder top flange shall be steel troweled to a smooth finish for 8" at the edges, as shown. Apply two layers of 30-lb roofing felt as a bond breaker to this region only excluding where joint filler is applied. The center portion shall be rough finished by scarifying the surface transversely with a wire brush, and no laitance shall remain on the surface.

** At the contractor's option the location for bent-up strands may be varied from that shown for fully bonded strands only. The total number of bent-up strands shall not be changed. One strand tie bar is required for each layer of bent-up strands except at end bents which require one bar on the bottom layer of strands only. No additional payment will be made if additional strand tie bars are required.

Fabricator shall be responsible for location and design of lifting devices.



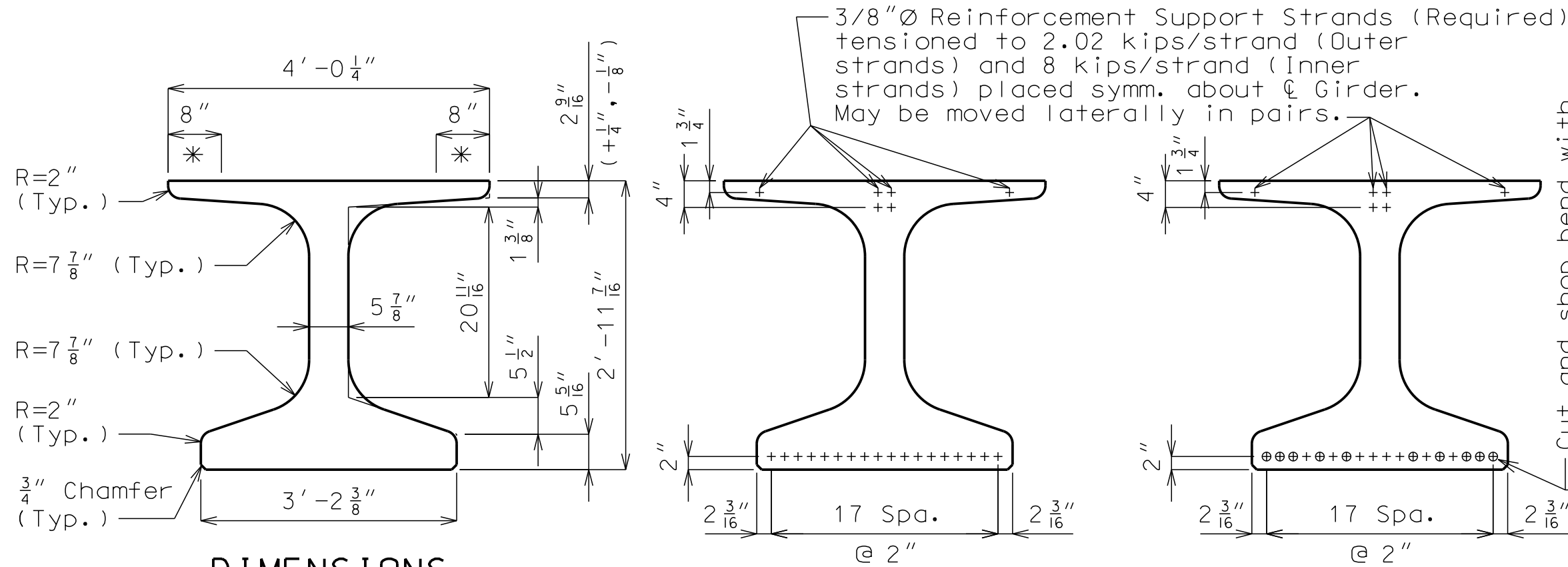
LEFT EXTERIOR GIRDER AT INTERMEDIATE BENT
(ROTATE 180° FOR RIGHT EXTERIOR)



INTERIOR GIRDER AT ALL BENTS
& EXTERIOR GIRDER AT END BENT

TOP FLANGE BLOCKOUT

Precaster to adjust top flange block out to account for girder tilt where necessary.

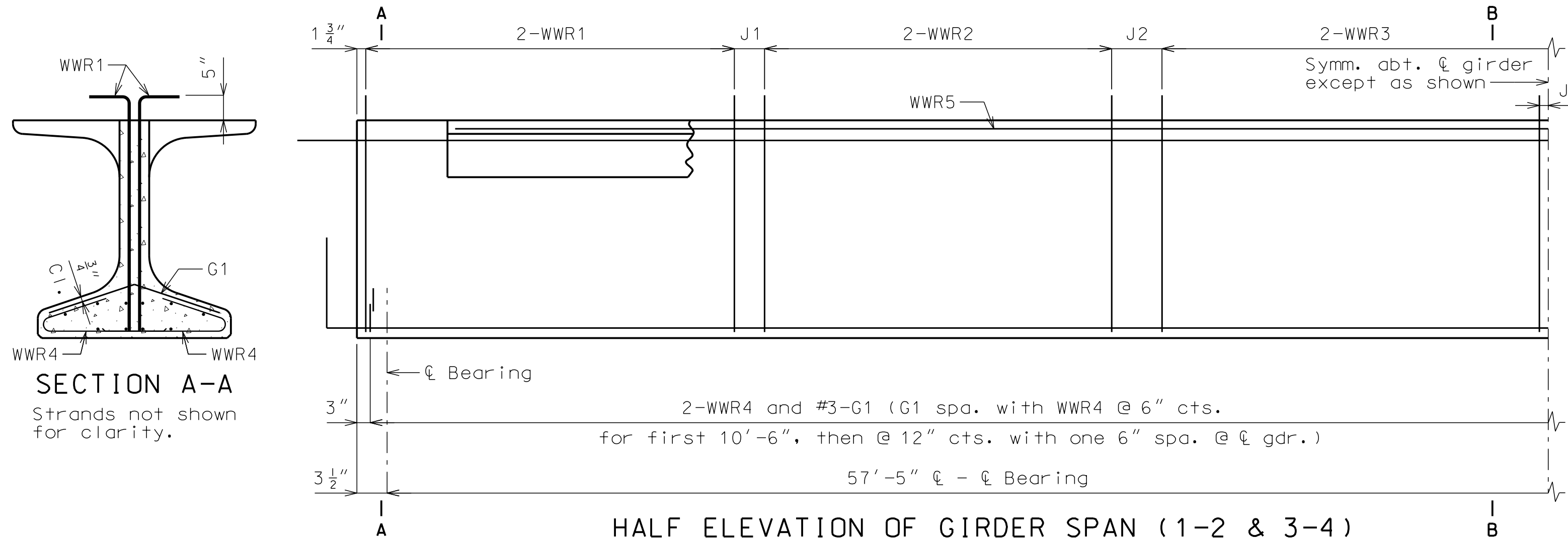


END BENT
INTERMEDIATE BENT
STRAND DETAILS AT GIRDER ENDS

BILL OF REINFORCING STEEL - EACH GIRDER				
NO.	SIZE & MARK	ACTUAL LENGTH	SHAPE	
80	3 G1	2'-10"	8	BENDING DIAGRAMS
2	4 G3	4'-3 3/8"	20	
2	4 G4	2'-1"	20	
2	4 G5	3'-1 1/8"	20	
8	4 G6	Varies	20	

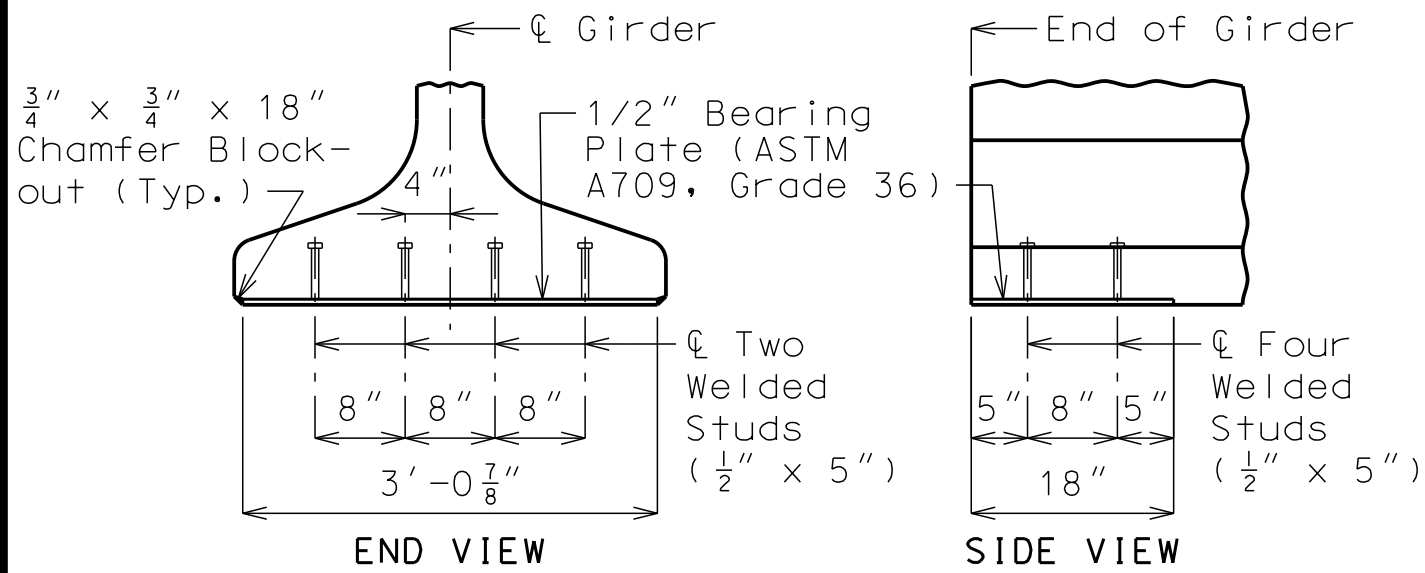
G4 and G5 not required for interior girders. Half no. of G3, G4, G5 and G6 not required for ext. girders of end spans.

WELDED WIRE REINFORCEMENT - EACH GIRDER				
MARK	WIRE SIZE	S	L	J
WWR1	D31	3"	4'-0"	4"
WWR2	D31	6"	8'-0"	4 1/4"
WWR3	D31	12"	16'-0"	2"



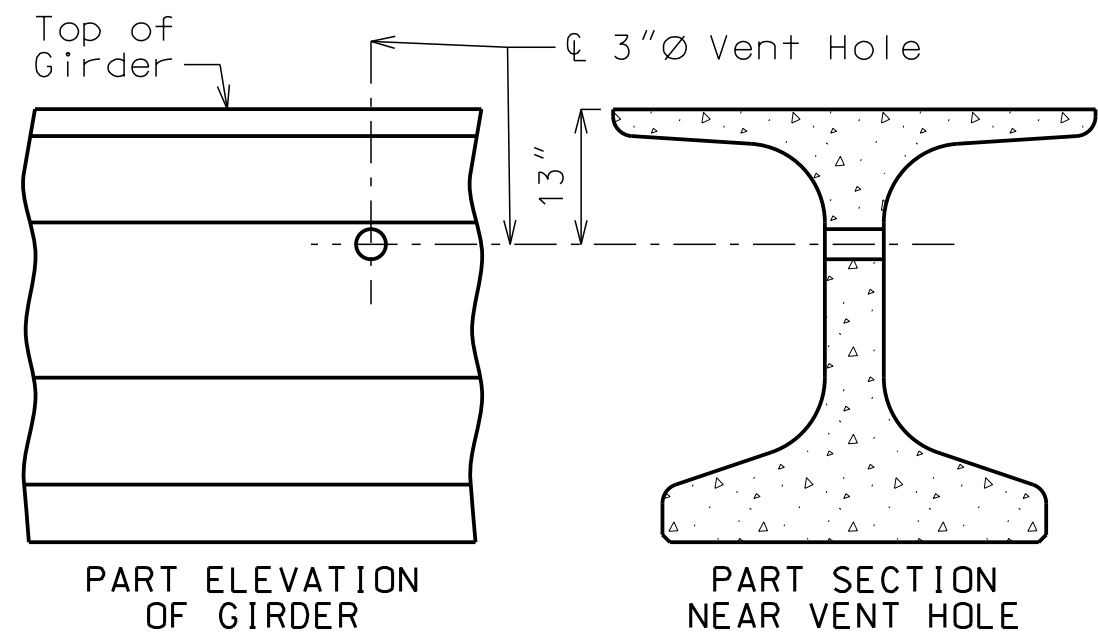
HALF ELEVATION OF GIRDER SPAN (1-2 & 3-4)

Exterior and interior girders are the same, except for coil ties and top flange blockout. Reinforcement support strands not shown for clarity.



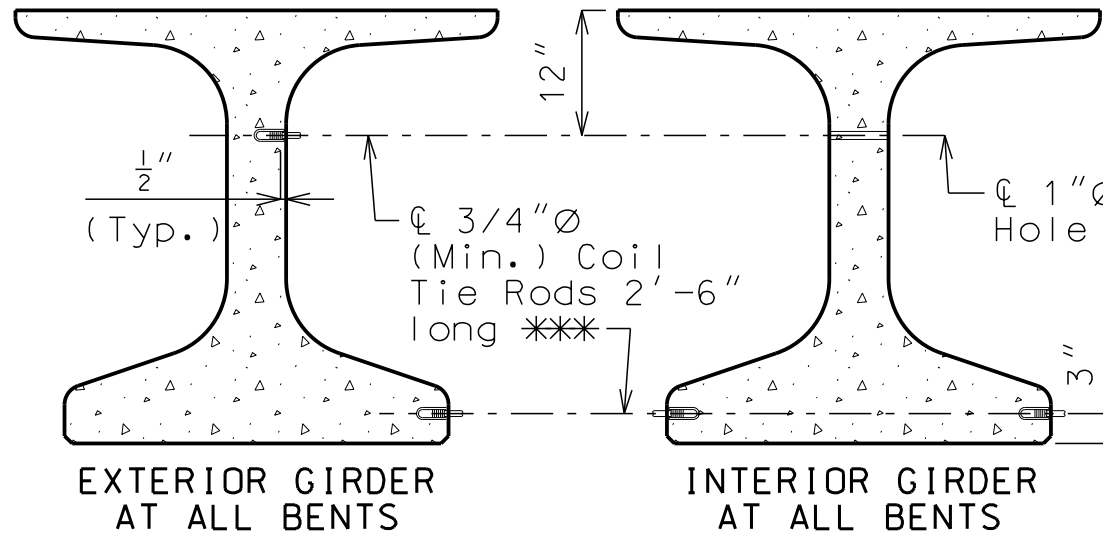
BEARING PLATE DETAILS

Galvanize the 1/2" bearing plate (ASTM A709 Grade 36) in accordance with ASTM A123.



DETAILS OF VENT HOLE

Place vent holes at or near upgrade 1/3 point of girders and clear reinforcing steel or strands by 1 1/2" minimum and steel interm. diaphragm bolt connections by 6" minimum.

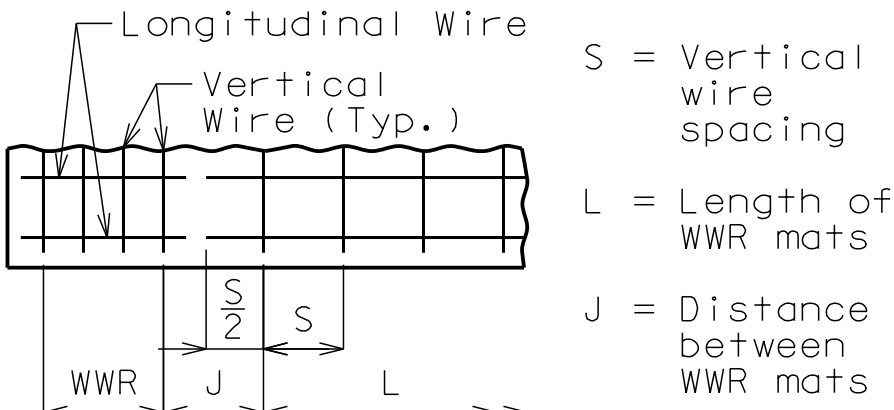


DETAILS OF COIL TIES

Cast 1" diameter hole horizontally in girder for #6 bar 5'-6" long and clear reinforcing steel or strands by 1 1/2" minimum.

*** Length of coil tie rods at exterior face of exterior girders at end bents = 2'-10".

*** Length of coil tie rods at faces adjacent to conduit blockout of Girders No. 1 & 2 at intermediate bents = 14".



WELDED WIRE PLACEMENT

General Notes:

Reinforcing Steel:

All dimensions are out to out.

Hooks and bends shall be in accordance with the CRSI Manual of Standard Practice for Detailing Reinforced Concrete Structures, Stirrup and Tie Dimensions.

Actual bar lengths are measured along centerline of bar to the nearest inch.

Minimum clearance to reinforcing shall be 1", unless otherwise shown.

All bar reinforcement shall be Grade 60.

Welded Wire Reinforcement (WWR) shall be in accordance with AASHTO M 221. WWR shall not be epoxy coated.

Miscellaneous:

Coil ties shall be held in place in the forms by slotted wire-setting-studs projecting thru forms. Studs are to be left in place or replaced with temporary plugs until girders are erected, then replaced by coil tie rods.

The contractor shall provide bracing necessary for lateral and torsional stability of the girders during construction of the concrete slab and remove the bracing after the slab has attained 75% design strength. Contractor shall not drill holes in the girders.

For location of coil ties and #6 bars at concrete bent diaphragms, see Sheets No. 4, 5, 12, 13 and 16.

For Girder Camber Diagram, see Sheet No. 18.

Note: This drawing is not to scale. Follow dimensions.

Concrete for prestressed girders shall be Class A-1 with $f'c = 8000$ psi and $f'ci = 6500$ psi.

(+) indicates prestressing strand.

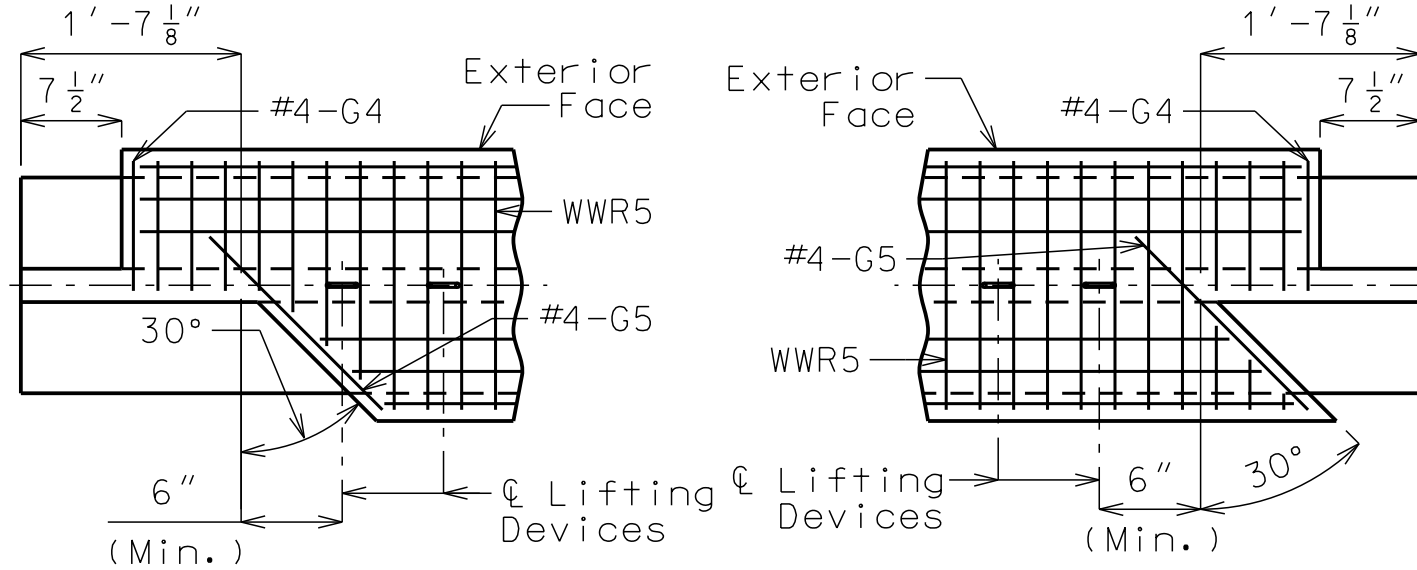
Use 26 strands with an initial prestress force of 1142.5 kips.

Prestressing tendons shall be uncoated, seven-wire, low-relaxation strands, 0.6 inch diameter in accordance with AASHTO M 203, Grade 270. Pretensioned members shall be in accordance with Sec 1029.

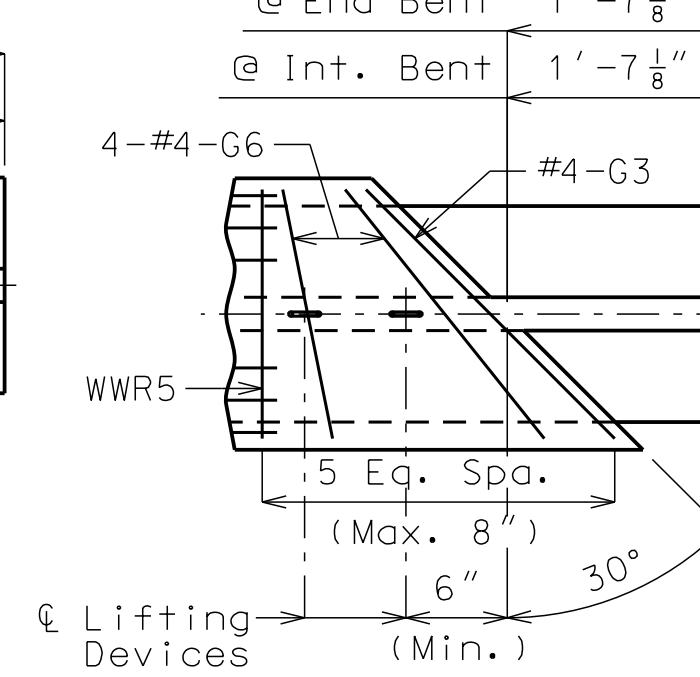
* Girder top flange shall be steel troweled to a smooth finish for 8" at the edges, as shown. Apply two layers of 30-lb roofing felt as a bond breaker to this region only excluding where joint filler is applied. The center portion shall be rough finished by scarifying the surface transversely with a wire brush, and no laitance shall remain on the surface.

** At the contractor's option the location for bent-up strands may be varied from that shown for fully bonded strands only. The total number of bent-up strands shall not be changed. One strand tie bar is required for each layer of bent-up strands except at end bents which require one bar on the bottom layer of strands only. No additional payment will be made if additional strand tie bars are required.

Fabricator shall be responsible for location and design of lifting devices.



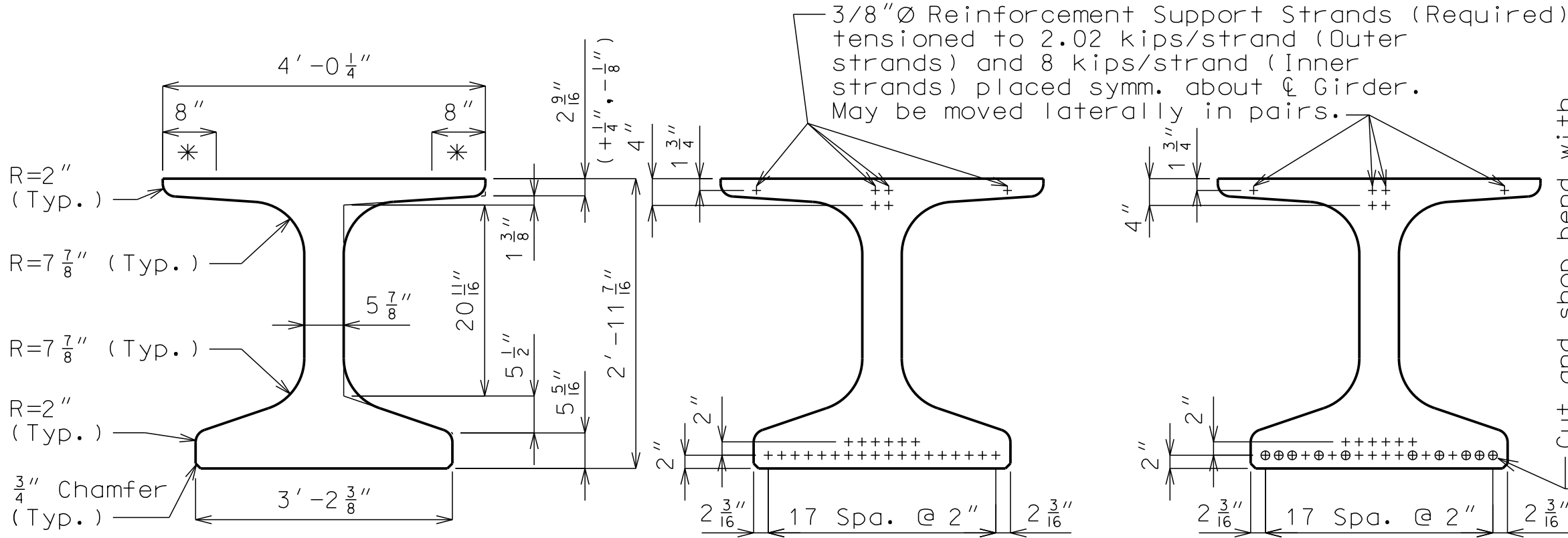
LEFT EXTERIOR GIRDER AT INTERMEDIATE BENT
(ROTATE 180° FOR RIGHT EXTERIOR)



INTERIOR GIRDER AT ALL BENTS
& EXTERIOR GIRDER AT END BENT

TOP FLANGE BLOCKOUT

Precaster to adjust top flange block out to account for girder tilt where necessary.

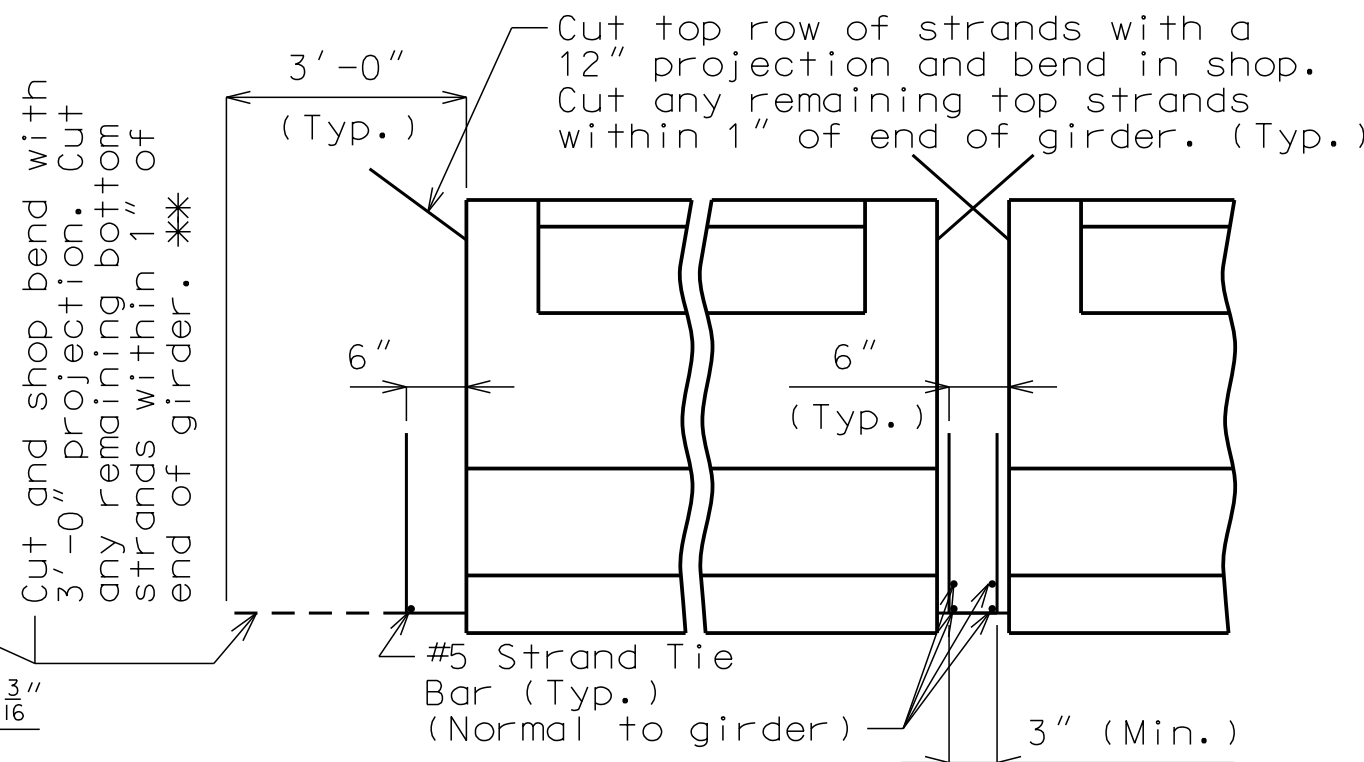


DIMENSIONS

⊕ GIRDER

END OF GIRDER

STRAND ARRANGEMENTS



END BENT

INTERMEDIATE BENT

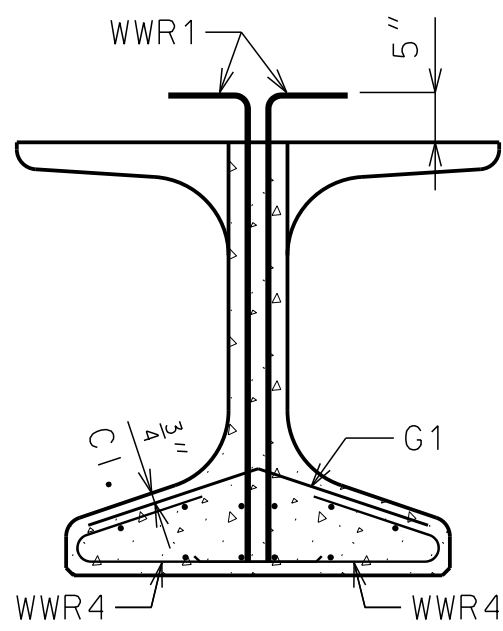
STRAND DETAILS AT GIRDER ENDS

BILL OF REINFORCING STEEL - EACH GIRDER				
NO.	SIZE & MARK	ACTUAL LENGTH	SHAPE	BENDING DIAGRAMS
90	3 G1	2'-10"	8	
2	4 G3	4'-5 3/8"	20	
2	4 G4	2'-1"	20	
2	4 G5	3'-1 1/8"	20	
8	4 G6	Varies	20	

G4 and G5 not required for interior girders. G3 and G6 not required for exterior girders of intermediate spans.

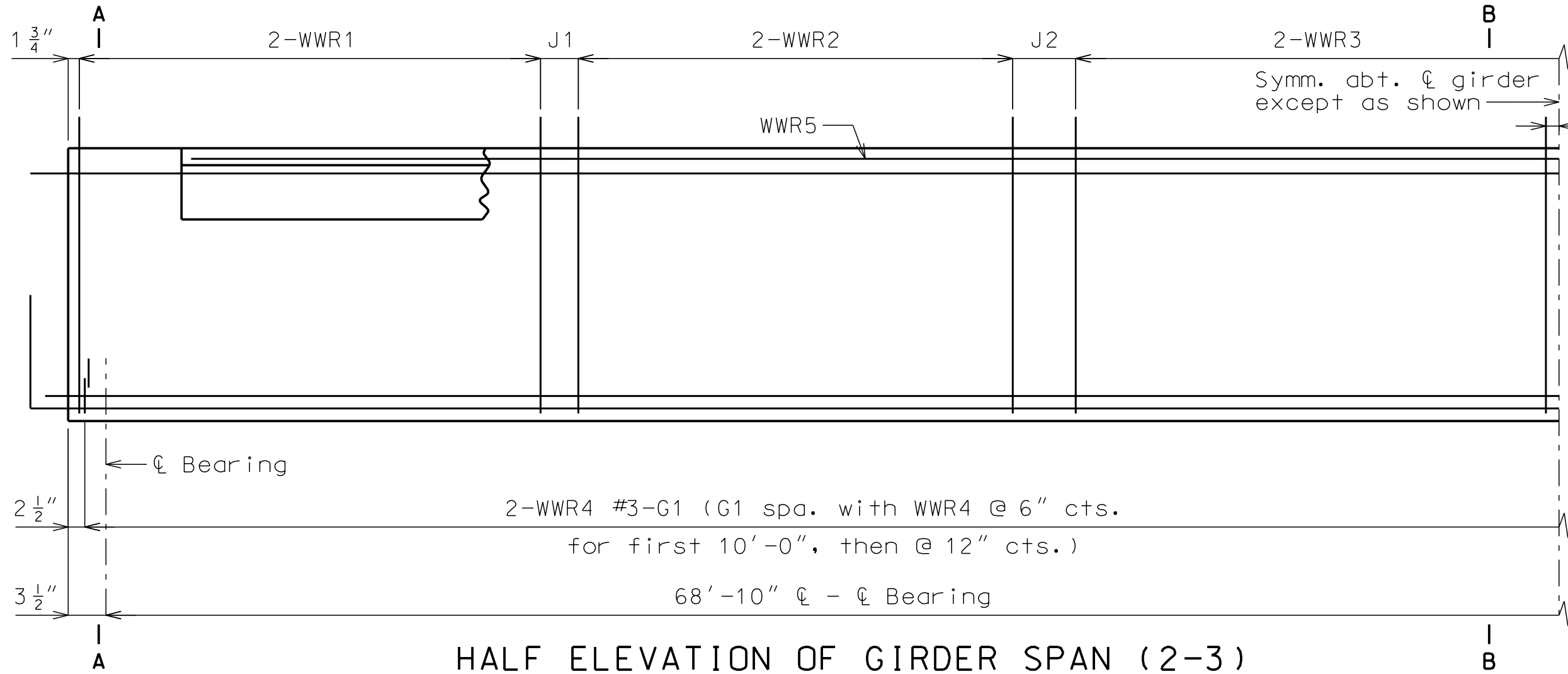
WELDED WIRE REINFORCEMENT - EACH GIRDER				
MARK	WIRE SIZE	S	L	J
WWR1	D31	6"	13'-0"	4"
WWR2	D31	8"	6'-0"	8 3/4"
WWR3	D31	12"	14'-0"	6"

BENDING DIAGRAMS				



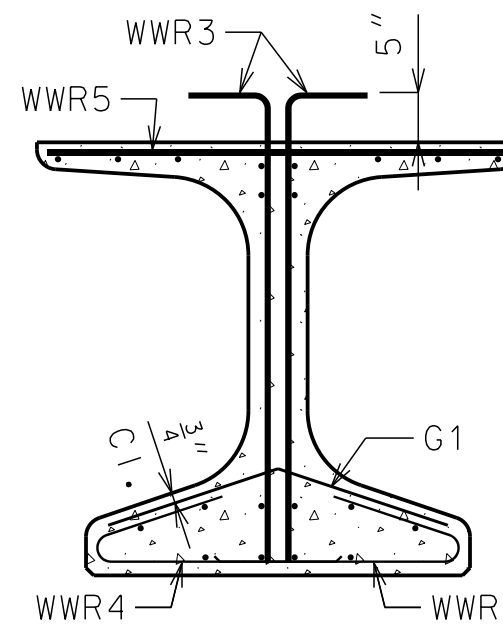
SECTION A-A

Strands not shown for clarity.



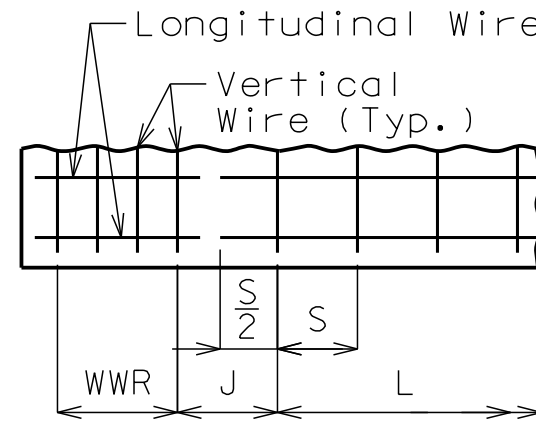
HALF ELEVATION OF GIRDER SPAN (2-3)

Exterior and interior girders are the same, except for coil ties, and top flange blockout. Reinforcement support strands not shown for clarity.



SECTION B-B

Strands not shown for clarity.



S = Vertical wire spacing
L = Length of WWR mats
J = Distance between WWR mats

WELDED WIRE PLACEMENT

General Notes:

Reinforcing Steel:

All dimensions are out to out.

Hooks and bends shall be in accordance with the CRSI Manual of Standard Practice for Detailing Reinforced Concrete Structures, Stirrup and Tie Dimensions.

Actual bar lengths are measured along centerline of bar to the nearest inch.

Minimum clearance to reinforcing shall be 1", unless otherwise shown.

All bar reinforcement shall be Grade 60.

Welded Wire Reinforcement (WWR) shall be in accordance with AASHTO M 221. WWR shall not be epoxy coated.

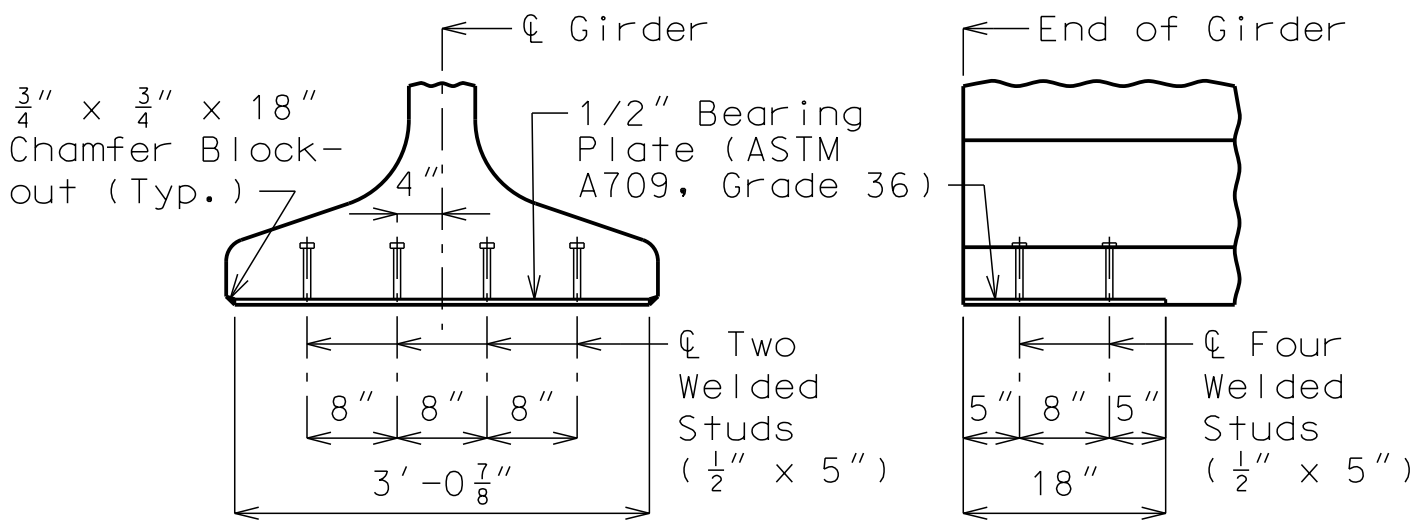
Miscellaneous:

Coil ties shall be held in place in the forms by slotted wire-setting-studs projecting thru forms. Studs are to be left in place or replaced with temporary plugs until girders are erected, then replaced by coil tie rods.

The contractor shall provide bracing necessary for lateral and torsional stability of the girders during construction of the concrete slab and remove the bracing after the slab has attained 75% design strength. Contractor shall not drill holes in the girders.

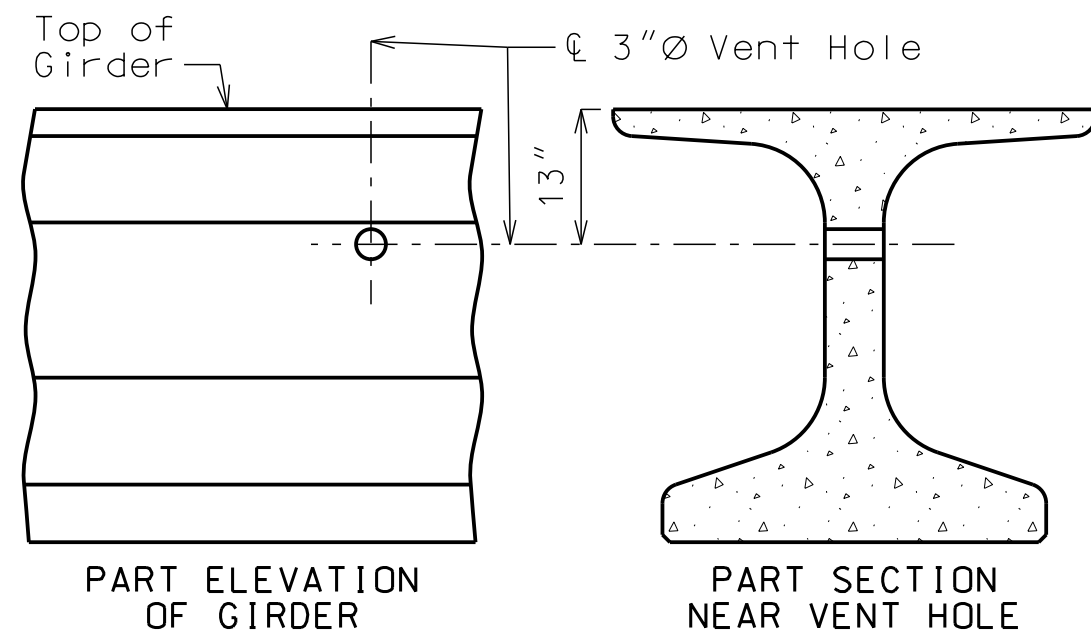
For location of coil ties and #6 bars at concrete bent diaphragms, see Sheets No. 4, 5, 12, 13 and 16.

For Girder Camber Diagram, see Sheet No. 18.



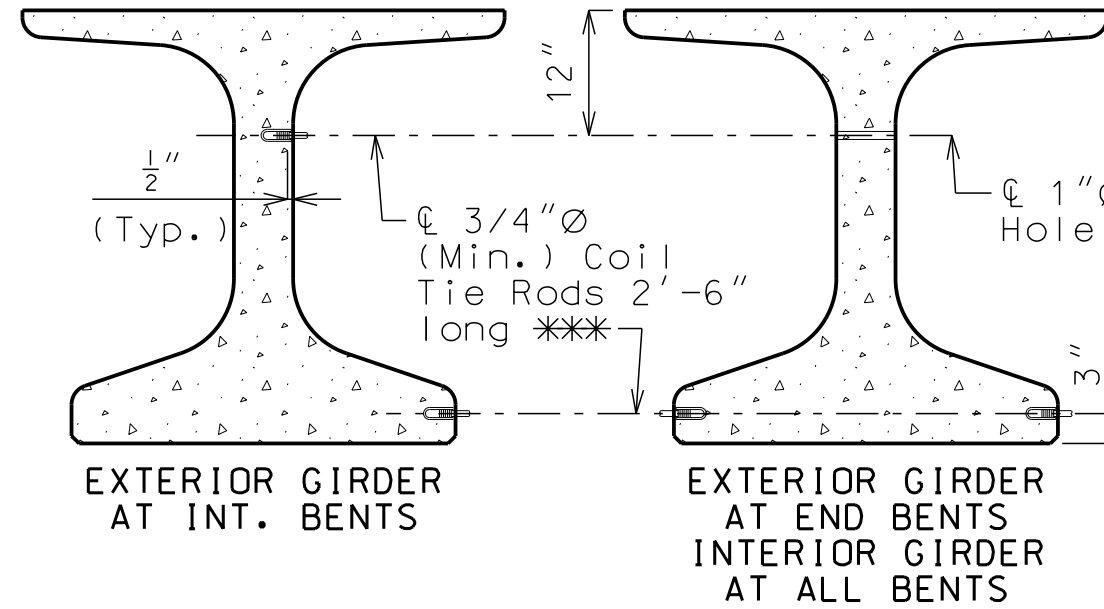
BEARING PLATE DETAILS

Galvanize the 1/2" bearing plate (ASTM A709 Grade 36) in accordance with ASTM A123.



DETAILS OF VENT HOLE

Place vent holes at or near upgrade 1/3 point of girders and clear reinforcing steel or strands by 1 1/2" minimum and steel interm. diaphragm bolt connections by 6" minimum.



DETAILS OF COIL TIES

Cast 1"Ø hole horizontally in girder for #6 bar 5'-6" long and clear reinforcing steel or strands by 1 1/2" minimum.

*** Length of coil tie rods at exterior face of exterior girders at end bents = 2'-10".

*** Length of coil tie rods at faces adjacent to conduit blockout of Girders No. 1 & 2 at intermediate bents = 14".

Note: This drawing is not to scale. Follow dimensions.

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PROJECT NO.: 12720

SHEET NO.
16

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Lee's Summit, Missouri

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H103
5'-5"

H105
3'-6" 13"

H107
3'-6" 10 3/8" 6"

H104
4'-5" 13"

H106
3'-2 3/8" 13" 7 1/2"

H108
3'-2 3/8" 13" 7 1/2"

BAR BENDING DIAGRAMS

SECTION NEAR INTERMEDIATE BENT

SECTION A-A

SECTION B-B

DETAIL C

Notes:

Diaphragms at Intermediate Bents shall be built vertically.

All U-bars in the diaphragm are to be placed parallel to ℓ Roadway.

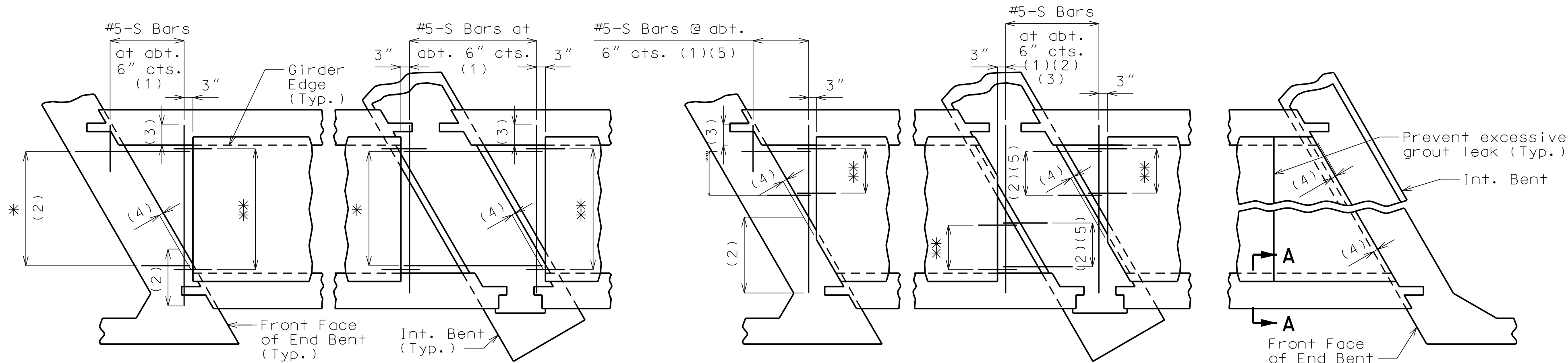
For locations of Strand Tie Bars, see Sheets No. 14 and 15.

For locations and details of Coil Tie Rods, see Sheets No. 14 and 15.

For conduit details, see Sheets No. 26 and 27.

DETAILS OF CONCRETE DIAPHRAGMS AT INTERMEDIATE BENTS NO. 2 & 3

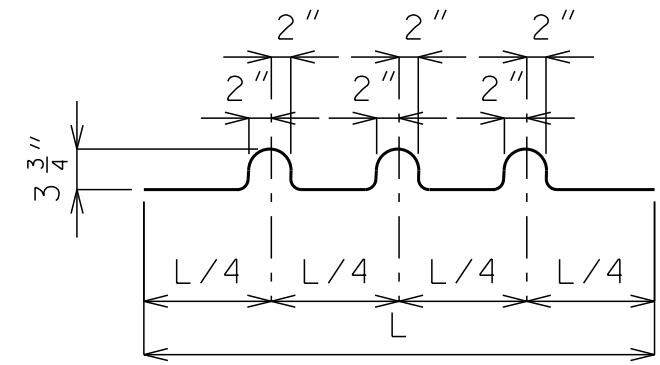
Note: This drawing is not to scale. Follow dimensions.



SQUARED END PANELS OR TRUNCATED END PANELS

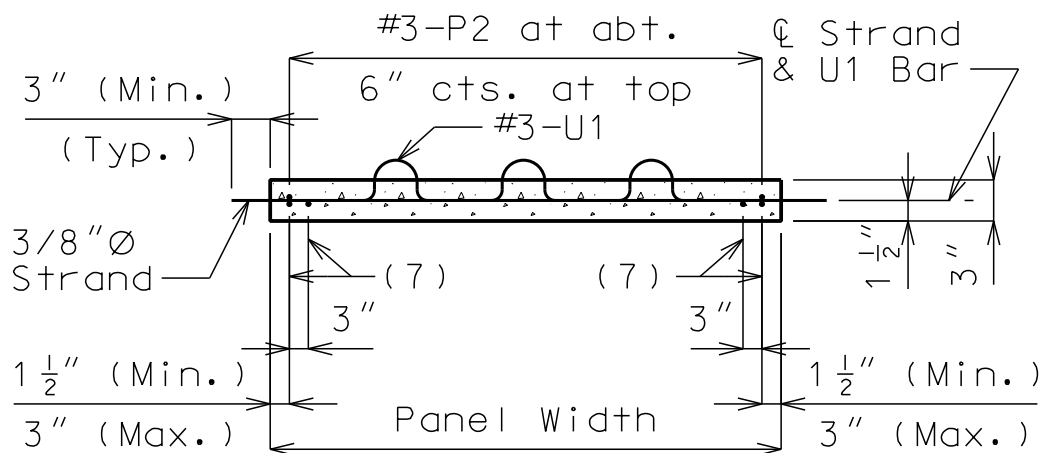
PLAN SHOWING PANELS PLACEMENT

* #5-S Bars at abt. 9" cts. (1)
** #3-P1 at 12" cts. (End panels only)

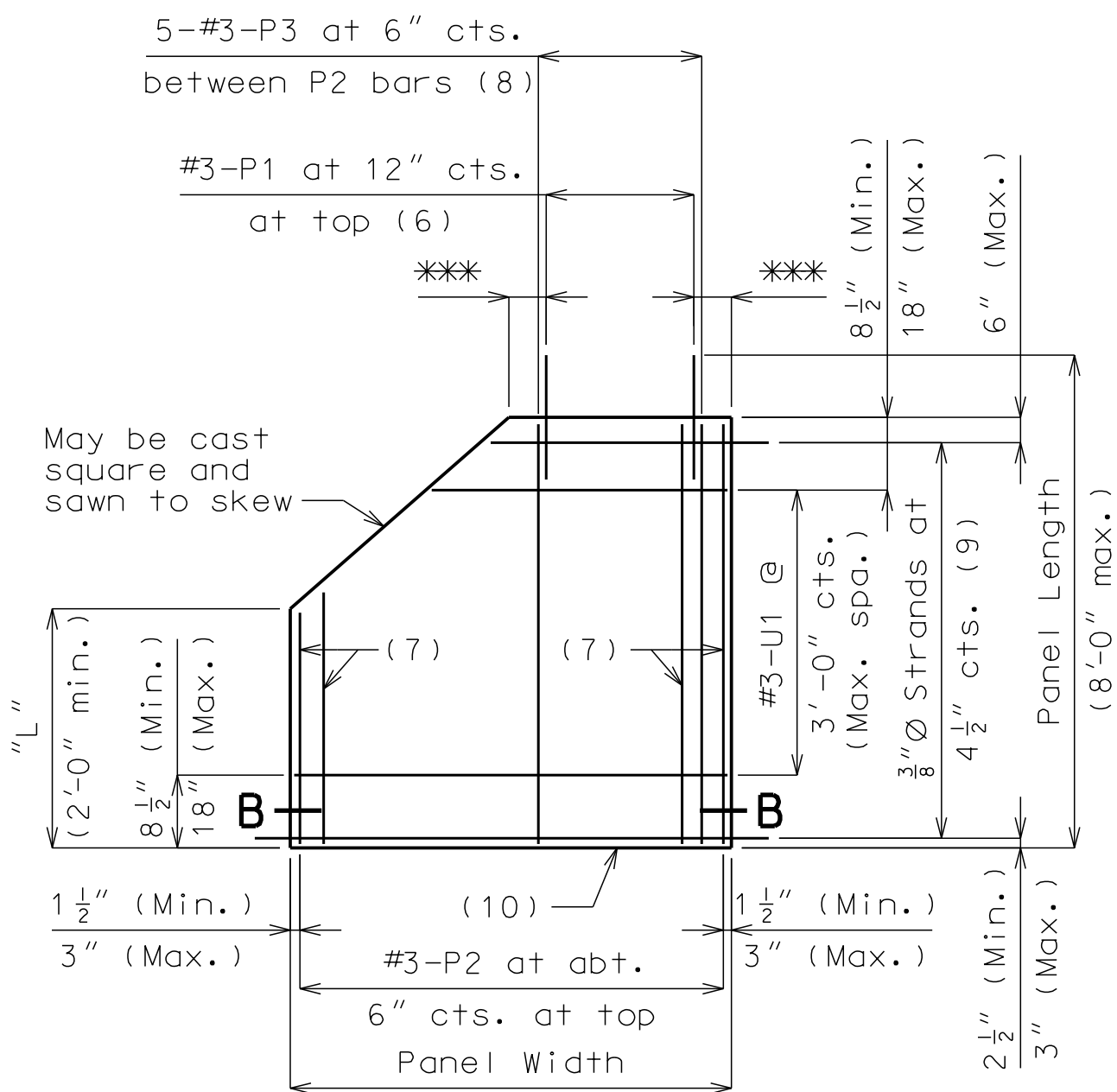


BENDING DIAGRAM FOR U1 BAR

U1 Bars may be oriented at right angles to location and spacing shown. U1 Bars shall be placed between P1 bars.

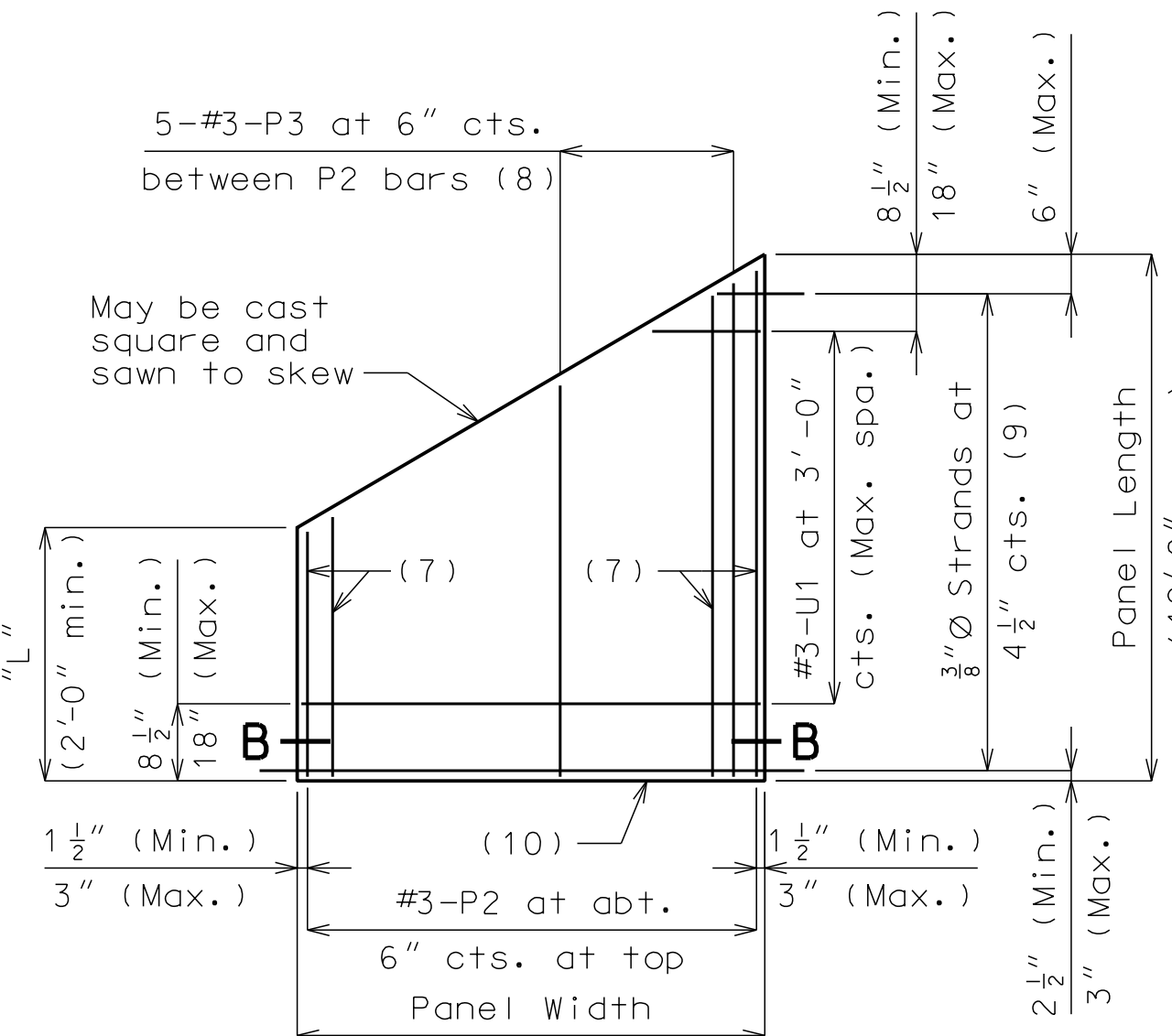


SECTION B-B

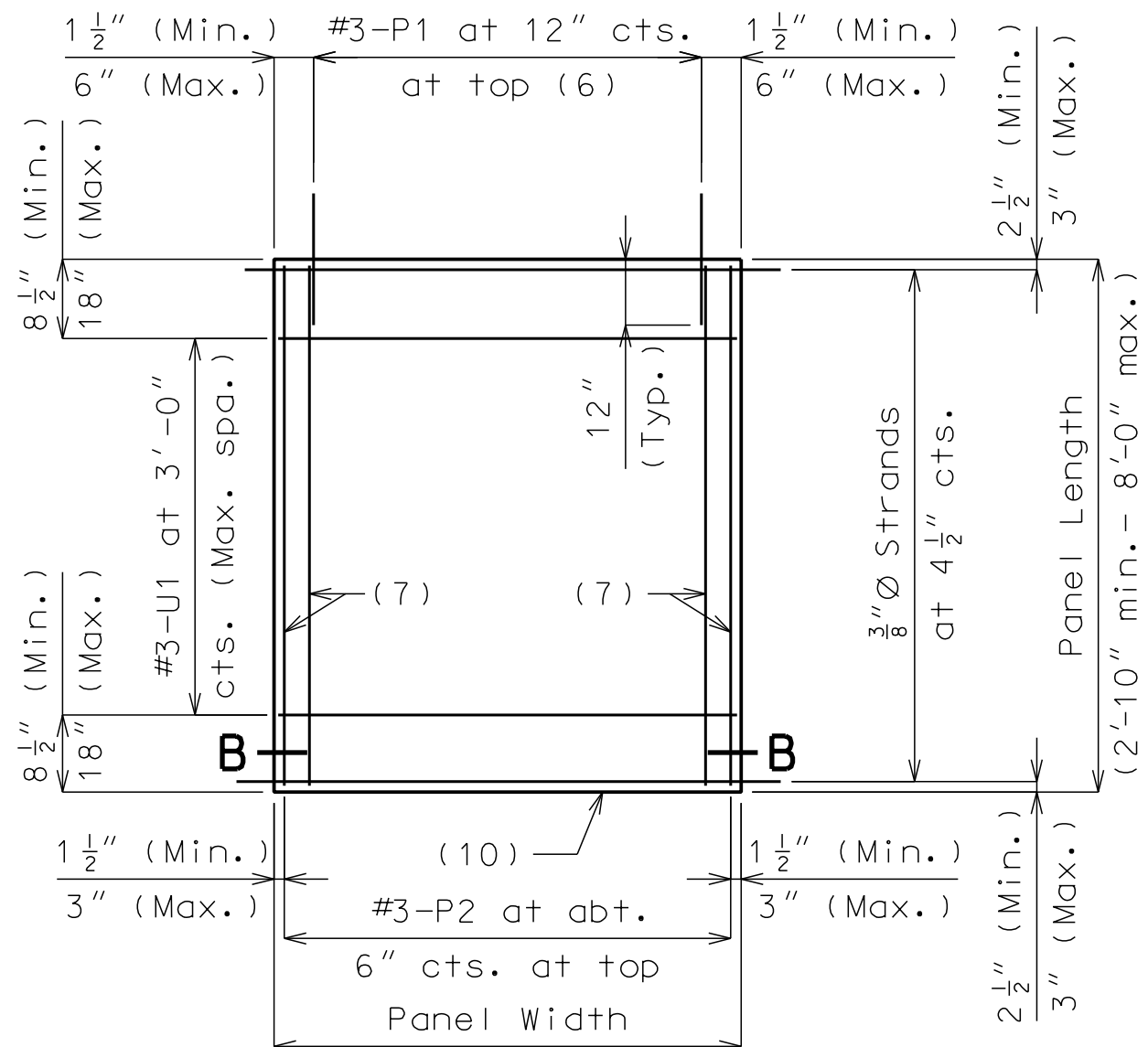


PLAN OF OPTIONAL TRUNCATED END PANEL

*** 3" (Min.), 6" (Max.)

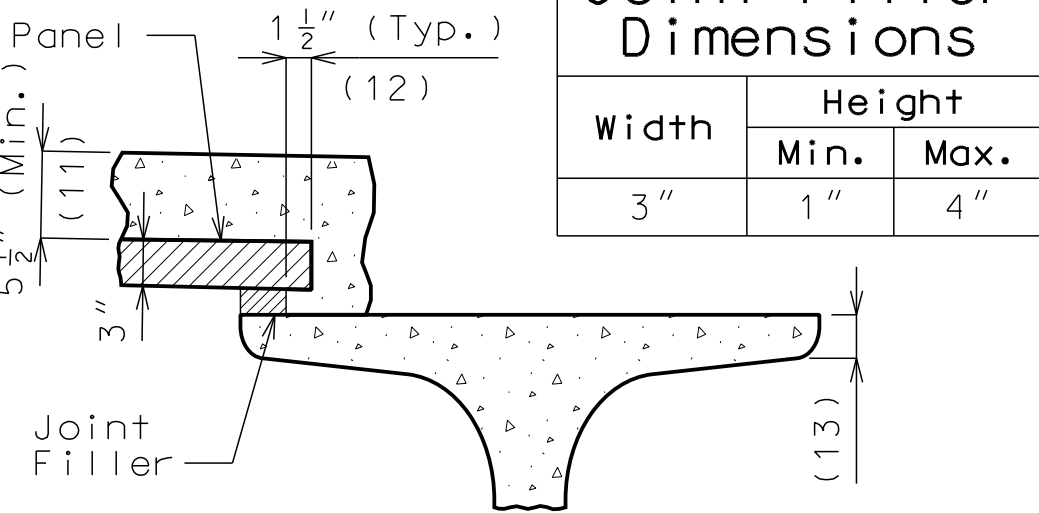


PLAN OF OPTIONAL SKEWED END PANEL



PLAN OF SQUARED PANEL

SKEWED END PANELS



SECTION A-A

Reference Notes:

Plan of Panels Placement:

(1) S-bars shown are bottom steel in slab between panels and used with squared and truncated end panels only.

(2) Extend S-bars 18 inches beyond the front face of end bents and int. bents for squared and truncated end panels only.

(3) Extend S-bars 9 inches beyond edge of girder (Typ.).

(4) End panels shall be dimensioned 1/2" min. to 1 1/2" max. from the inside face of diaphragm.

(5) For truncated end panels, use a min. of #5-S bars at 6" crossings in openings, or min. 4x4-W7xW7.

Plans of Panels:

(6) For end panels only, P1 bars shall be 2'-0" in length and embedded 12". P1 bars will not be required for panels at squared integral end bents.

(7) #3-P2 bars near edge of panel at bottom (under strands).

(8) Use #3-P3 bars if panel is skewed 45° or greater.

(9) Any strand 2'-0" or shorter shall have a #4 reinforcing bar on each side of it, centered between strands. Strands 2'-0" or shorter may then be debonded at the fabricator's option.

(10) Optional 1/2" x 45° Chamfer one or both sides at bottom.

Section A-A:

(11) Slab thickness over prestressed panels varies due to girder camber. In order to maintain minimum slab thickness, it may be necessary to raise the grade uniformly throughout the structure. No payment will be made for additional labor or materials required for necessary grade adjustment.

(12) Contractor shall ensure proper consolidation under and between panels.

(13) At the contractor's option, the variation in slab thickness over prestressed panels may be eliminated or reduced by increasing and varying the girder top flange thickness. Dimensions shall be shown on the shop drawings.

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			PROJECT NO.: 12720
JOSHUA J. MILLER PROFESSIONAL ENGINEER PE-2009010386	SHEET NO.	TOTAL SHEETS	
	17	30	
West Bridge Plans Paragon Star Development Lee's Summit, Missouri			
NO.	DATE	REVISIONS	BY APPROVED

General Notes:

Prestressed Panels:

Concrete for prestressed panels shall be Class A-1 with $f'c = 6,000$ psi, $f'ci = 4,000$ psi.

The top surface of all panels shall receive a scored finish with a depth of scoring of 1/8" perpendicular to the prestressing strands in the panels.

Prestressing tendons shall be high-tensile strength, uncoated, seven-wire, low-relaxation strands for prestressed concrete in accordance with AASHTO M 203 Grade 270, with nominal diameter of strand = 3/8" and nominal area = 0.085 sq.in. and minimum ultimate strength = 22.95 kips (270 ksi). Larger strands may be used with the same spacing and initial tension.

Initial prestressing force = 17.2 kips/strand.

The method and sequence of releasing the strands shall be shown on the shop drawings.

Suitable anchorage devices for lifting panels may be cast in panels, provided the devices are shown on the shop drawings and approved by the engineer. Panel lengths shall be determined by the contractor and shown on the shop drawings.

When squared end panels are used at skewed bents, the skewed portion shall be cast full depth. No separate payment will be made for additional concrete and reinforcing required.

Support from diaphragm forms is required under the optional skewed end until cast-in-place concrete has reached 3,000 psi compressive strength.

Prestressed panels shall be brought to saturated surface-dry (SSD) condition just prior to the deck pour. There shall be no free standing water on the panels or in the area to be cast.

The prestressed panel quantities are not included in the table of estimated quantities for the slab.

Reinforcing Steel:

All dimensions are out to out.

Hooks and bends shall be in accordance with the CRSI Manual of Standard Practice for Detailing Reinforced Concrete Structures, Stirrup and Tie Dimensions.

Minimum clearance to reinforcing steel shall be 1 1/2", unless otherwise shown.

If U1 bars interfere with placement of slab steel, U1 loops may be bent over, as necessary, to clear slab steel.

Deformed welded wire reinforcement (WWR) providing a minimum area of reinforcing perpendicular to strands of 0.22 sq in./ft., with spacing parallel to strands sufficient to ensure proper handling, may be used in lieu of the #3-P2 bars shown. Wire diameter shall not be larger than 0.375 inch. The above alternative reinforcement criteria may be used in lieu of the #3-P3 bars, when required, and placed over a width not less than 2 feet.

The following reinforcing steel shall be tied securely to the strands with the following maximum spacing in each direction:

#3-P2 bars at 16 inches.

WWR at 24 inches.

The #3-U1 bars shall be tied securely to #3-P2 bars, to WWR or to strands (when placed between P1 bars) at about 3-foot centers.

Minimum reinforcement steel length shall be 2'-0".

All reinforcement other than prestressing strands shall be epoxy coated.

Precast panels may be in contact with stirrup reinforcing in diaphragms.

S-bars are not listed in the bill of reinforcing.

Cost of S-bars will be considered completely covered by the contract unit price for the slab.

Joint Filler:

Joint filler shall be preformed fiber expansion joint material in accordance with Sec 1057 or expanded or extruded polystyrene bedding material in accordance with Sec 1073.

Use Slab Haunching Diagram on Sheet No. 18 for determining thickness of joint filler within the limits noted in the table of Joint Filler Dimensions.

Thicker material may be used on one or both sides of the girder to reduce cast-in-place concrete thickness to within tolerances.

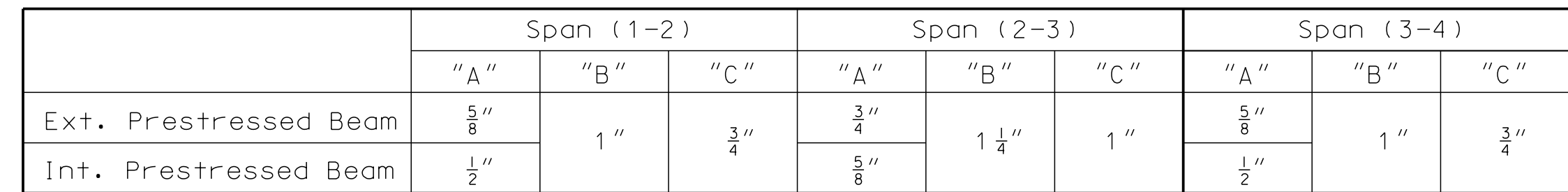
The same thickness of preformed fiber expansion joint material shall be used under any one edge of any panel except at locations where top flange thickness may be stepped. The maximum change in thickness between adjacent panels shall be 1/4 inch. The polystyrene bedding material may be cut with a transition to match haunch height above top of flange.

Joint filler shall be glued to the girder. When thickness exceeds 1 1/2 inches, the joint filler shall be glued top and bottom. The glue used shall be the type recommended by the joint filler manufacturer.

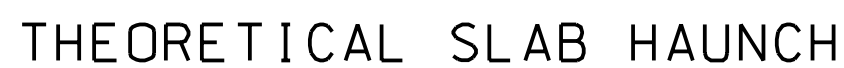
Edges of panels shall be uniformly seated on the joint filler before slab reinforcement is placed.

DETAILS OF PRESTRESSED PANELS

Note: This drawing is not to scale. Follow dimensions.



Conversion factors for girder camber
0.25 pt. = 0.7125 x 0.5 pt.



THEORETICAL SLAB HAUNCHING DIAGRAM

If girder camber is different from that shown in the camber diagram, in order to maintain minimum slab thickness, an adjustment of the slab haunches, an increase in slab thickness or a raise in grade uniformly throughout the structure shall be necessary. No payment will be made for additional labor or materials required for variation in haunching, slab thickness or grade adjustment.

Theoretical Bottom of Slab Elevations at Centerline of Girder (Prior to forming for slab)															
	Span (1-2) (57'-5" @ brg - @ brg.)					Span (2-3) (68'-10" @ brg - @ brg.)					Span (3-4) (57'-5" @ brg - @ brg.)				
	@ brg.	.25	.50	.75	@ brg.	@ brg.	0.25	0.50	0.75	@ brg.	@ brg.	.25	.50	.75	@ brg.
Girder No. 1	817.48	817.81	818.09	818.30	818.45	818.46	818.67	818.78	818.78	818.68	818.67	818.61	818.49	818.30	818.05
Girder No. 2	817.78	818.10	818.37	818.56	818.69	818.70	818.90	818.99	818.97	818.84	818.83	818.76	818.62	818.41	818.16
Girder No. 3	818.08	818.39	818.64	818.82	818.93	818.94	819.11	819.18	819.14	818.99	818.98	818.89	818.74	818.51	818.27
Girder No. 4	818.38	818.67	818.90	819.06	819.16	819.17	819.32	819.37	819.31	819.14	819.13	819.02	818.85	818.61	818.38
Girder No. 5	818.37	818.64	818.86	819.00	819.08	819.09	819.22	819.25	819.17	818.98	818.97	818.84	818.65	818.42	818.21
Girder No. 6	818.28	818.54	818.73	818.86	818.92	818.93	819.04	819.05	818.94	818.74	818.73	818.58	818.38	818.15	817.97

Elevations are based on a constant slab thickness of 8½" and include allowance for theoretical dead load deflections due to weight of slab (including precast panel where appropriate) and barrier curb.

CAMBER, HAUNCHING, & ELEVATIONS (NU-GIRDER)

Note: This drawing is not to scale. Follow dimensions.

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Top view of slab reinforcement showing top reinforcement details. The drawing includes dimensions for spans (SPAN (1-2), SPAN (2-3), SPAN (3-4)) and various reinforcement bars (#6-S1, #6-S2, #6-S3, #8-S4, #8-S8, #5-S3). It also shows the location of internal bents (Int. Bent No. 2, Int. Bent No. 3) and the end of the slab at Bent No. 1 and Bent No. 4. The drawing is labeled "TOP REINFORCEMENT".

Diagram showing the cross-section of the barrier curb joint at an intermediate bent. It illustrates the roadway face of the barrier curb, the internal bent, and the joint filler (Barrier curb only). Dimensions include 9 1/4" for the joint filler and 1/4" for the joint filler.

PART PLAN OF BARRIER JOINT
ON RIGHT BARRIER CURB
AT INTERMEDIATE BENT
(Left Barrier similar)

Bottom view of slab reinforcement showing bottom reinforcement details. The drawing includes dimensions for spans (SPAN (1-2), SPAN (2-3), SPAN (3-4)) and various reinforcement bars (#6-S5, #6-S6, #6-S7, #5-S7, #5-S10, #5-S3, #8-S4, #8-S8, #5-S3). It also shows the location of internal bents (Int. Bent No. 2, Int. Bent No. 3) and the end of the slab at Bent No. 1 and Bent No. 4. The drawing is labeled "BOTTOM REINFORCEMENT".

Diagram showing the cross-section of the barrier curb joint at an intermediate bent. It illustrates the roadway face of the barrier curb, the internal bent, and the joint filler (Barrier curb only). Dimensions include 24'-2" for the barrier curb width, 5'-6" for the barrier curb height, and 3'-6" for the barrier curb base.

Notes:
Field cut #6-S7 as necessary to provide minimum clear of abutments.
Barrier reinforcement not shown for clarity.

PLAN OF SLAB SHOWING REINFORCING

Note: This drawing is not to scale. Follow dimensions.

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Light Posts (By Others) (Beyond) (Typ.)

54'-7"

27'-3 1/2"

27'-3 1/2"

13'-5"

10'-0" (Min.) Sidewalk

16"

12" Shy

36'-0" Roadway

3- 12'-0" Lanes = 36'-0"

18" Shy

6'-5 1/2"

2 1/4" CL.

3'-6" (Min.)

3'-6"

3'-6"

2" (Typ.)

5" (Typ.)

4-#5-S10 @ 7" (Typ.)

3'-10"

10-#5-S10 @ 7"

3'-10"

10-#5-S10 @ 7"

3'-11 1/2"

9'-4"

9'-4"

9'-4"

9'-4"

9'-4"

3'-11 1/2"

2 1/4" CL.

#6-S2

#8-S4 or #8-S8

#5-S3

3'-6" (Min.)

2'-8"

2" (Typ.)

5" (Typ.)

4-#5-S3 @ 7" (Typ.)

3" Precast P/S Panel (Typ. 3 Bays)

#6-S7 (Typ.)

NU-35

Detail A

2% Slope

2% Slope

Const. Joint

#5-S3 @ 15" (Typ.)

#6-S2

3 1/8" CL.

Barrier Curb

Pedestrian Rail

Pedestrian Fence

Const. Joint

Barrier Curb

Pedestrian Fence

Const. Joint

#5-S3

2" (Typ.)

5" (Typ.)

4-#5-S3 @ 7" (Typ.)

1

2

3

4

5

6

HALF SECTION NEAR MIDSPAN

SECTION THRU SLAB
(Median not shown for clarity.)

HALF SECTION NEAR INTERMEDIATE BENT

Contractor may shift or swap bars as needed to tie R1 bar in barrier (4" min. bar spacing)

Contractor may shift bar as needed to tie R3 bar in barrier

OPTIONAL SHIFTING TOP BARS AT BARRIER

Out to out of curbs

1

5

2

4

3

Const. joint

41'-5 1/4"

18'-0"

15'-0"

40'-0"

15'-0"

18'-0"

41'-5 1/4"

59'-5 1/4"

70'-0"

59'-5 1/4"

SPAN (1-2)

SPAN (2-3)

SPAN (3-4)

CL Bent

6"x3" Curb

Galvanized Strap, 1/4" Thk. x 2"W x 4'-0"L w/ 1 1/2" Lip @ end Spaced @ 2'-0" (Max.)

6"

8 1/2"

Pedestrian Fence

Edge of Slab

Galvanized Strap, 1/4" Thk. x 2"W x 2'-0"L w/ 1 1/2" Lip @ end Spaced @ 2'-0" (Max.)

Const. Joint

Galvanized 7x4x3/8 Continuous Bent Plate

For Curb details, see Sheet No. 25.

SIDEWALK CURB AND PEDESTRIAN FENCE ATTACHMENT DETAIL

Const. Jt.

2 1/8"

2 1/8"

2 1/8"

DETAIL B

2% Cross Slope

CL Roadway

Top of Slab

Profile Grade

Crown of Slab

2'-0"

2'-0"

4'-0"

Parabolic Crown

DETAIL A

	Sequence of Pours					Min. rate of pour cu. yds./hr.		
	Direction							
	1	2	3	4	5			
Basic sequence	Either direction					25		
Alternate pours to the basic Skip sequence are subject to the approval of the engineer in accordance with Sec 703.								
Alternate "A" pours	1	5 + 2		4 + 3		25		
	End to 5	1 to 4		2 to end				
Alternate "B" pours	1 + 5 + 2	4 + 3		2 to end		25		
	End to 4	2 to end						
Alternate "C" pours	1 + 5 + 2 + 4 + 3					25		
	End to end							

Note: The contractor shall pour and satisfactorily finish the slab pours at the rate given.

SLAB POURING SEQUENCE

SLAB DETAILS

Note: This drawing is not to scale. Follow dimensions.

Finish each side of joint with 1/4" radius edging tool

1"

3 1/2"

2 3/4"

2 1/2"

1"

1"

Key to extend full width of full depth slab

Const. Jt.

FULL DEPTH SLAB

Finish each side of joint with 1/4" radius edging tool

Const. Joint (Extend full width of deck)

Panel Joint

** Adjust the construction joint to a clearance of 6 inches minimum from the panel joint.

SLAB ON PANELS

SLAB CONSTRUCTION JOINT

Notes:

For details of precast prestressed panels, see Sheet No. 17.

For reinforcement of Barrier Curb not shown, see Sheets No. 21-23 and 26.

For Theoretical Bottom of Slab Elevations, Girder Camber Diagram and Theoretical Slab Haunching Diagram, see Sheet No. 18.

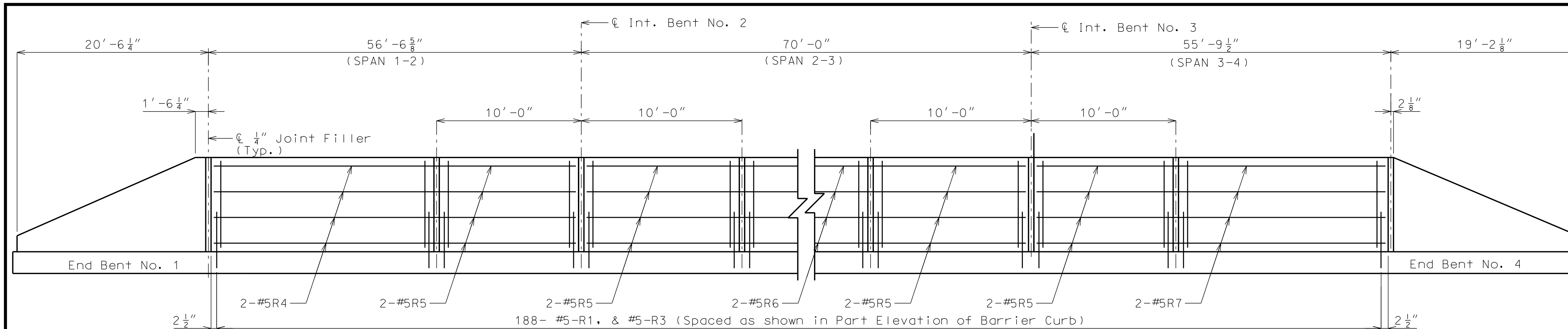
For Plan of Slab Showing Reinforcement, see Sheet No. 19.

For Conduit details, see Sheet No 26 and 27.

For Pedestrian Fence and Pedestrian Rail details, see Architectural Sheets.

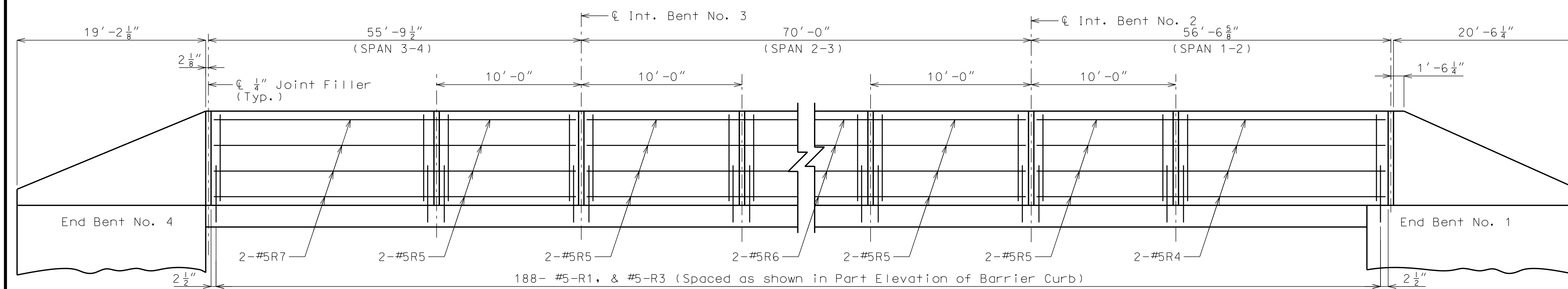
For median details, see Street Plans.

The sidewalk segment of the bridge shall have a minimum cross-slope of 1.5%. Cross-slopes steeper than 2% are not compliant with ADA and must be made compliant by whatever means necessary, including removal and replacement.



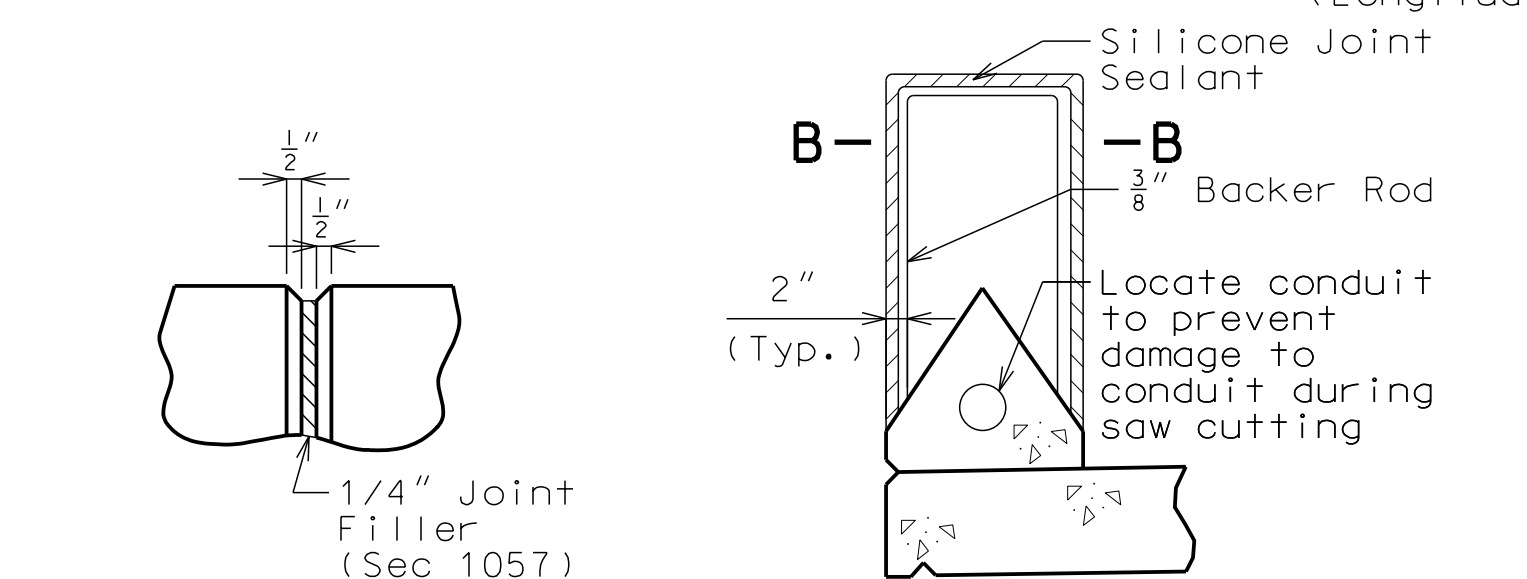
ELEVATION OF LEFT BARRIER CURB

(Longitudinal dimensions along traffic face of barriers are horizontal)



ELEVATION OF RIGHT BARRIER CURB

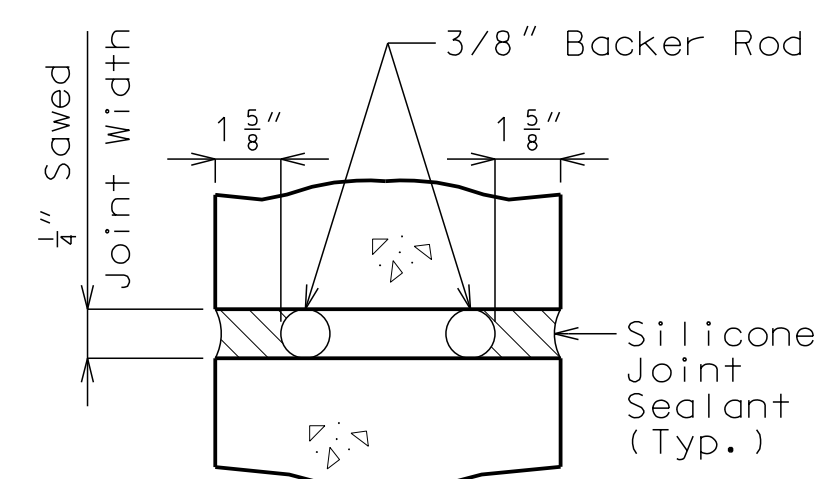
(Longitudinal dimensions along traffic face of barriers are horizontal)



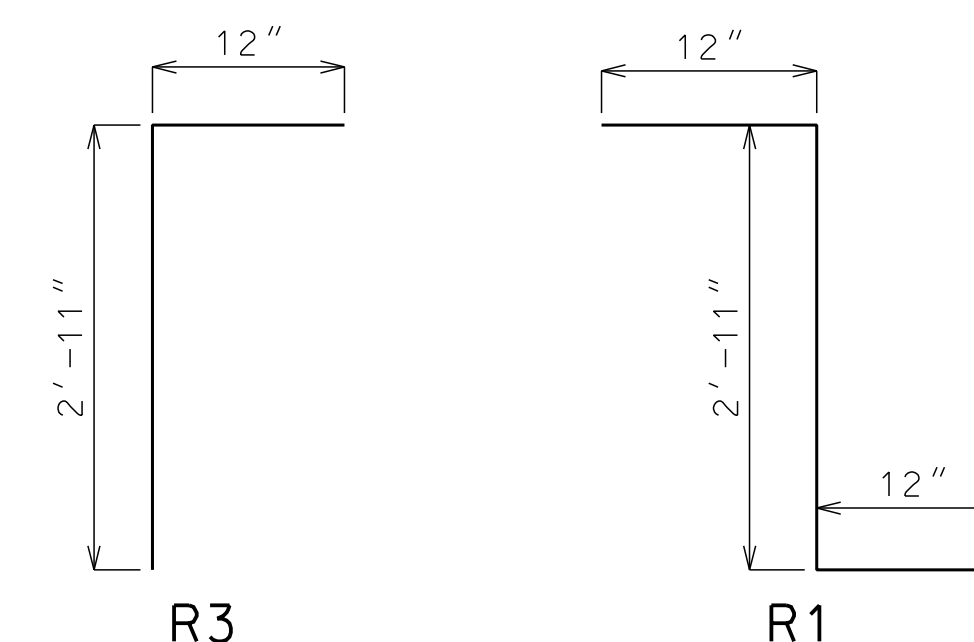
PART ELEVATION AT FORMED JOINT

SECTION THRU SAW CUT JOINT

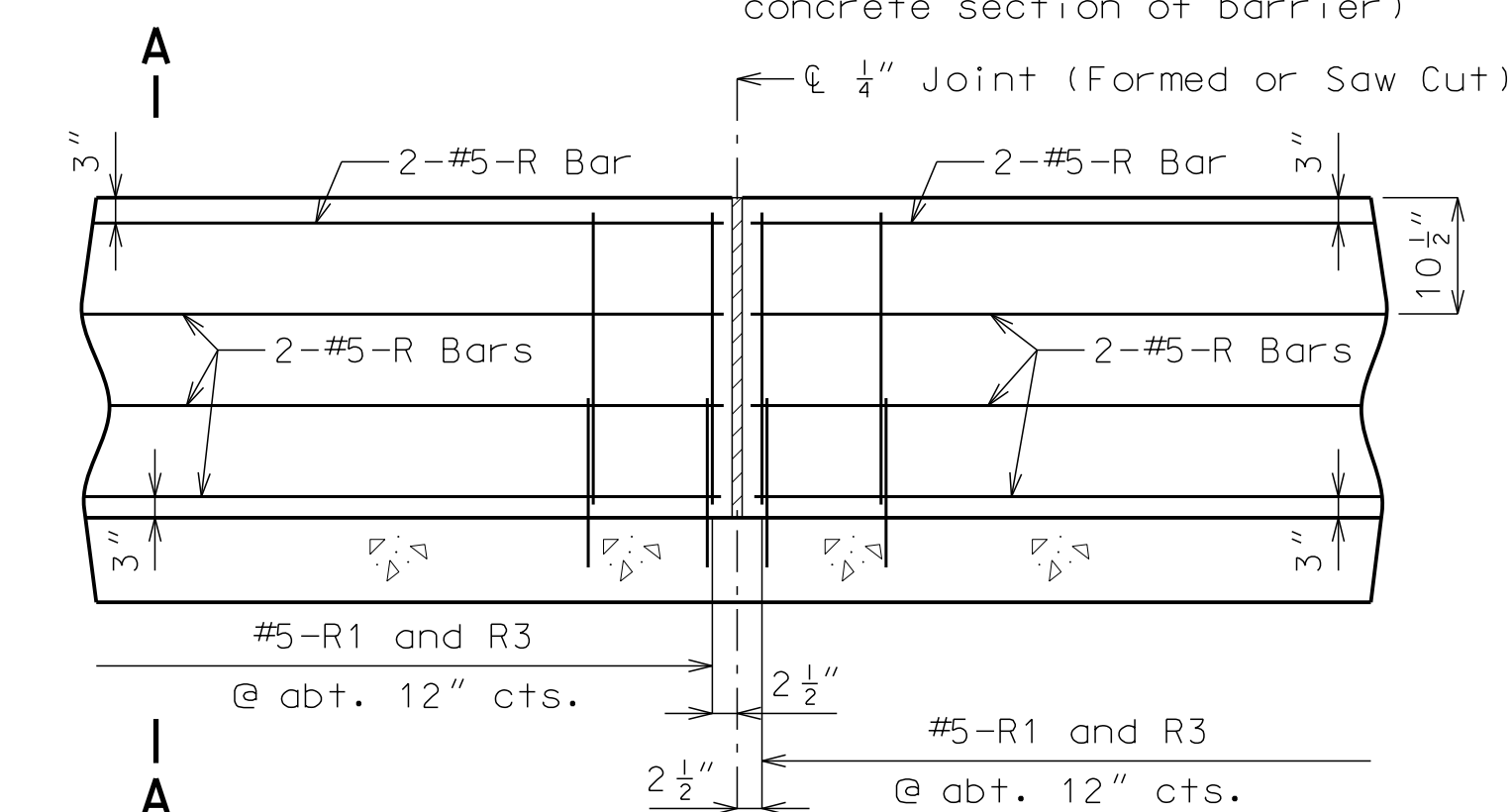
(Use when conduit is required)
(Place conduit in center of concrete section of barrier)



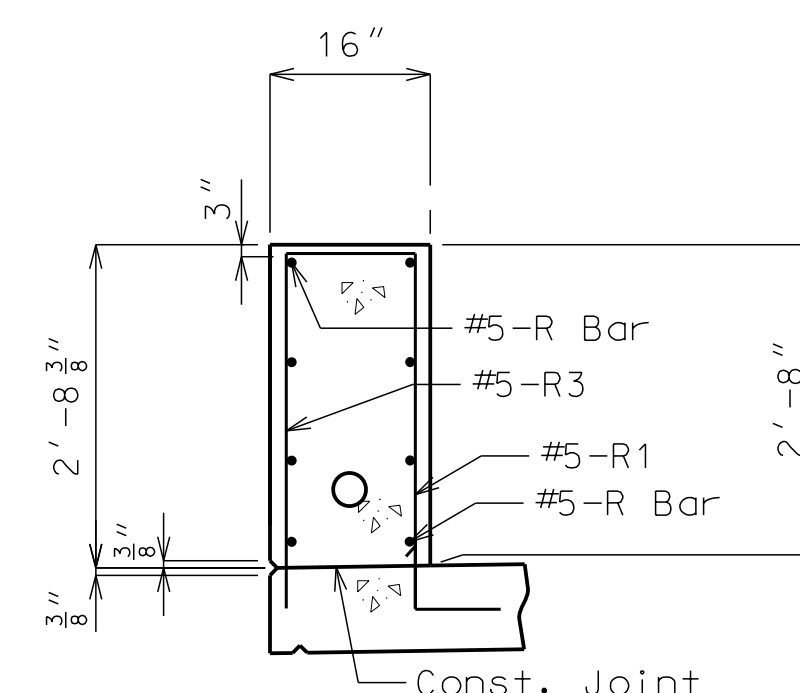
SECTION B-B



BAR BENDING DIAGRAM



PART ELEVATION OF BARRIER CURB



SECTION A-A

The cross-sectional area above the slab = 3.56 sq. ft.

CONVENTIONAL-FORMED BARRIER CURB

Note: This drawing is not to scale. Follow dimensions.

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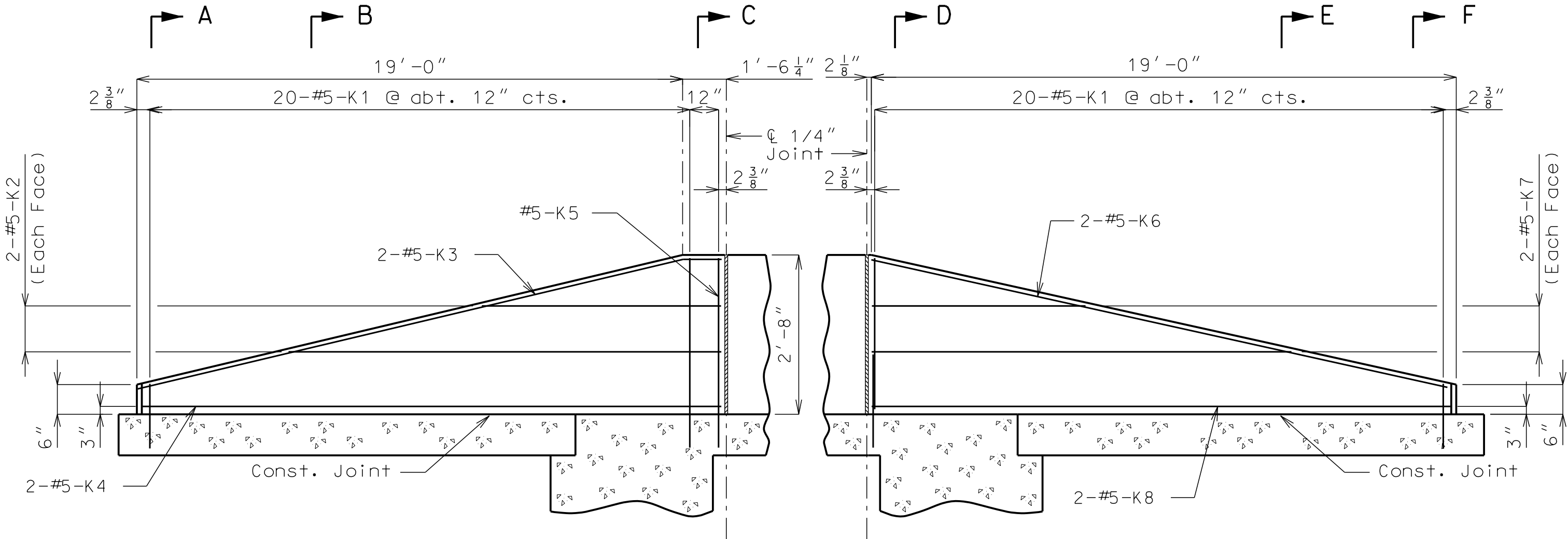
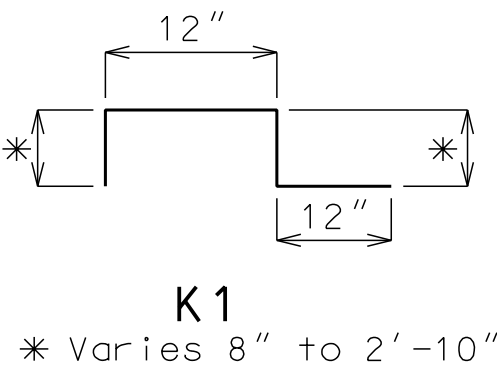
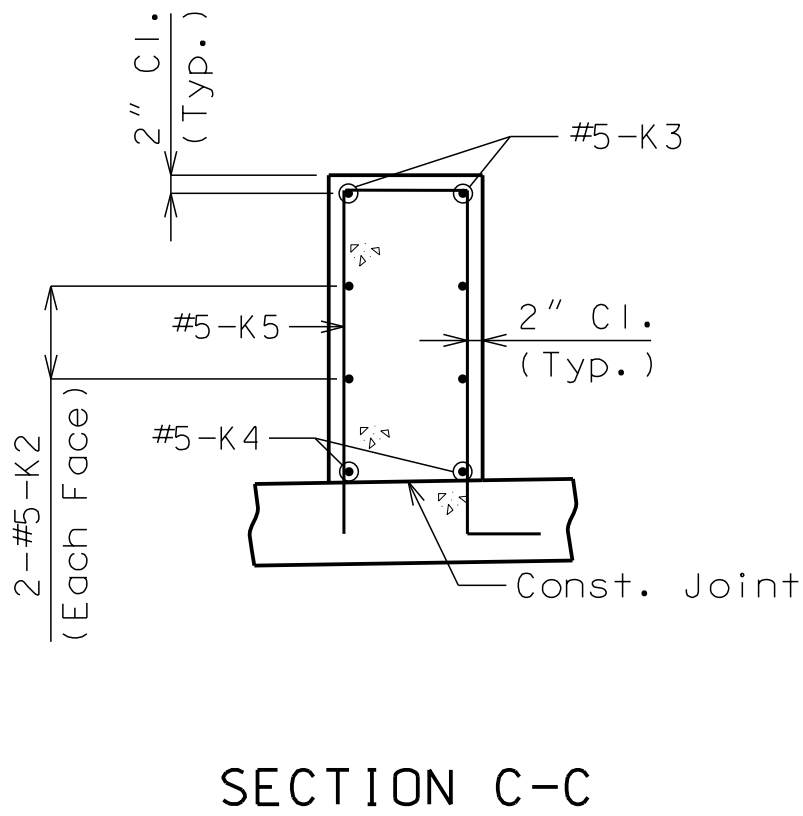
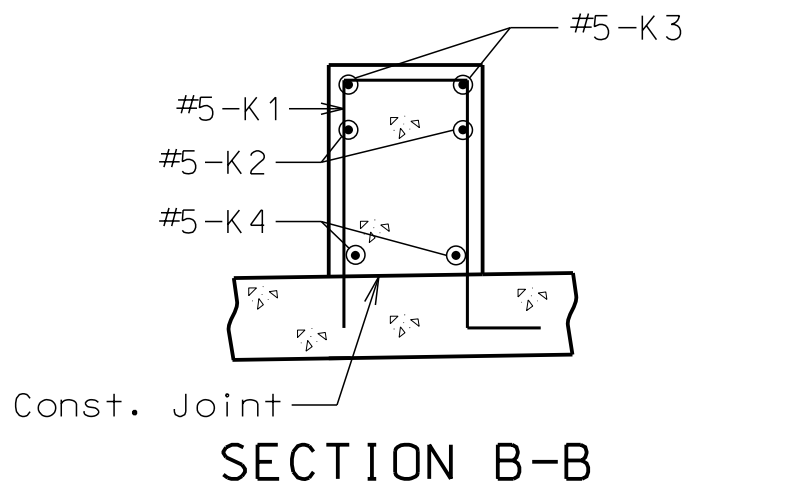
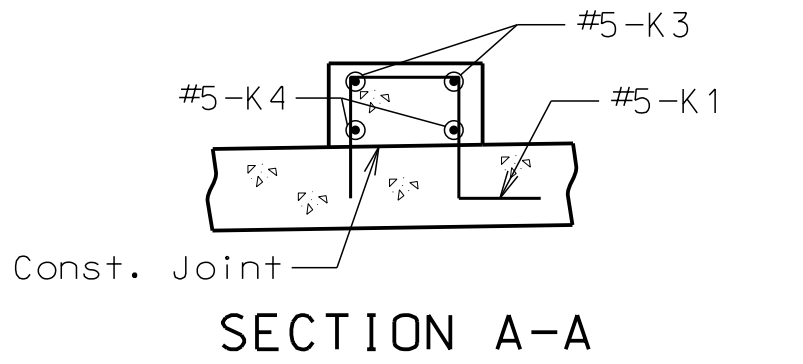
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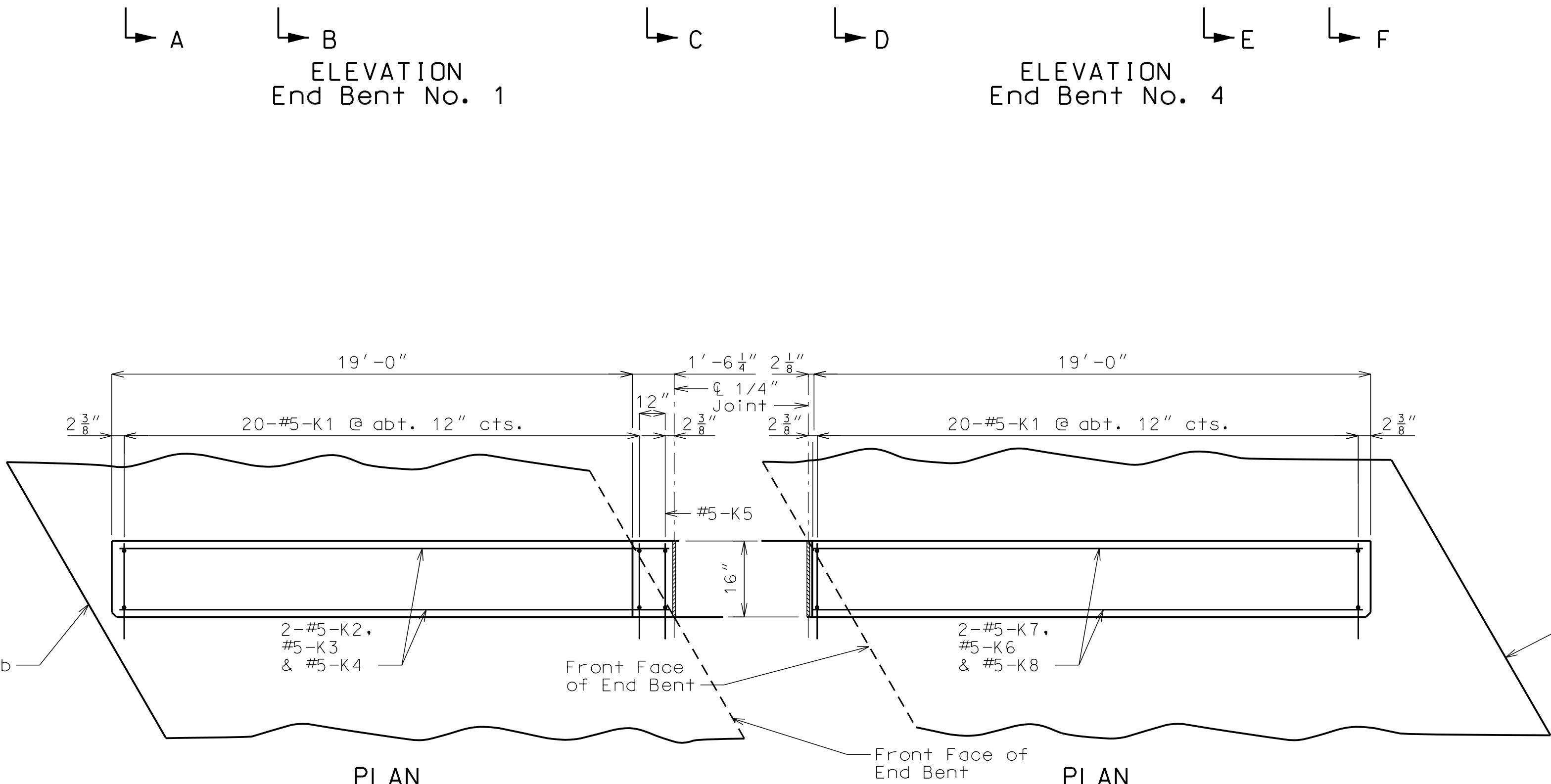
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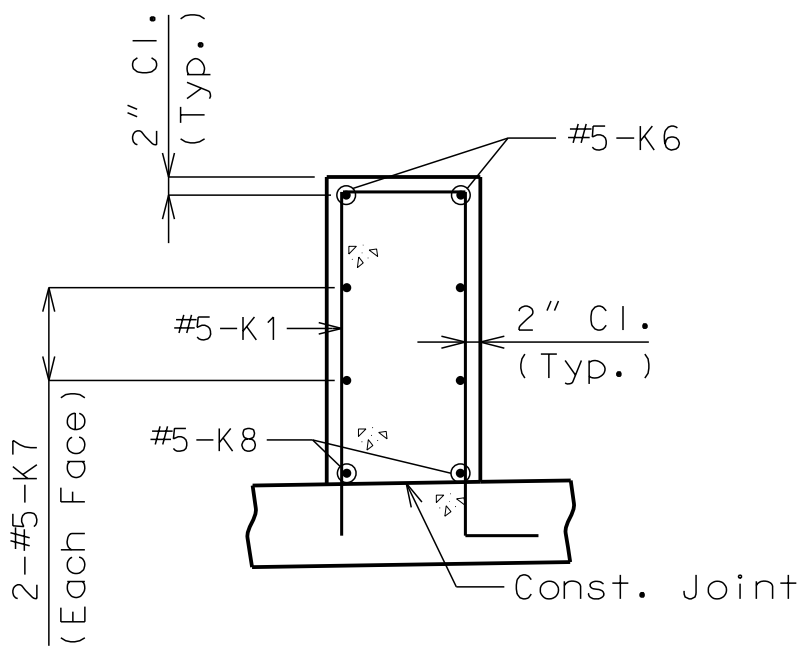
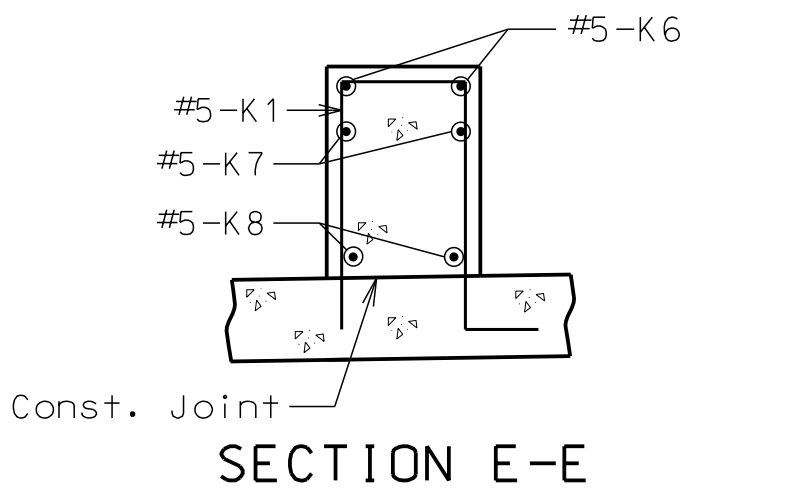
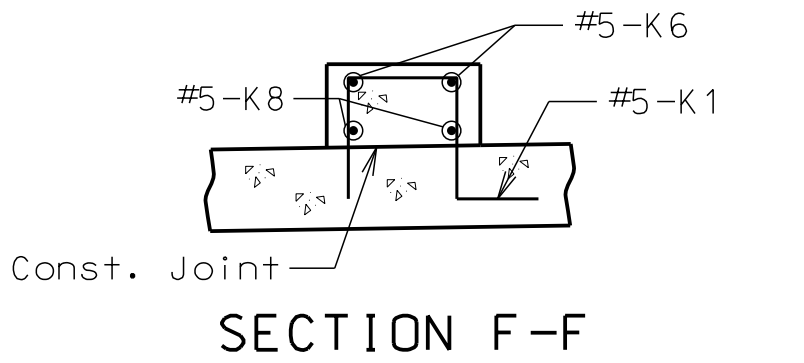
ELEVATION
End Bent No. 1

ELEVATION
End Bent No. 4



PLAN
End Bent No. 1

PLAN
End Bent No. 4



SECTION D-D

General Notes

For Conduit Details, see Sheets No. 26 and 27.

Concrete traffic barrier delineators shall be placed on top of the barrier curb as shown on Missouri Standard Plans 617.10 and in accordance with Sec 617 of the Missouri Standard Specifications for Highway Construction. Delineators on bridges with two-lane, two way traffic shall have retroreflective sheeting on both sides.

Reinforcing Steel:

Minimum clearance to reinforcing steel shall be 2".

CONVENTIONAL-FORMED LEFT BARRIER CURB
AT END BENTS ON CONCRETE APPROACH SLAB

Note: This drawing is not to scale. Follow dimensions.

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General Notes
For Conduit Details, see Sheets No. 26 and 27.

Concrete traffic barrier delineators shall be placed on top of the barrier curb as shown on Missouri Standard Plans 617.10 and in accordance with Sec 617 of the Missouri Standard Specifications for Highway Construction. Delineators on bridges with two-lane, two way traffic shall have retroreflective sheeting on both sides.

Reinforcing Steel:
Minimum clearance to reinforcing steel shall be 1 1/2 inches.

CONVENTIONAL-FORMED SAFETY BARRIER CURB AT END BENTS ON WING

Note: This drawing is not to scale. Follow dimensions.

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Notes:

- For details of Light Support and Barrier reinforcement, see Sheet No. 26.
- For conduit details, see Sheets No. 26 and 27.
- For light standards, light baseplate, and wiring, see Lighting Plans sheet.
- For curb and raised median details, see Sheet No. 25.
- For aesthetic details and connections, see Architectural Sheets.

GENERAL PLAN AND ELEVATION OF AESTHETIC DETAILS, LIGHTING AND CONDUIT

Note: This drawing is not to scale. Follow dimensions.

Notes:

Cost of furnishing and placing anchor bolts for light standard will be considered completely covered by the contract lump sum price for the bridge.

All conduits shall be rigid nonmetallic schedule 40 heavy wall polyvinyl chloride (PVC) with 3" minimum cover in concrete. Each section of conduit shall bear the Underwriters Laboratories (UL) label.

All conduit clamps for conduits not encased in concrete shall be commercially-available, nonmetallic conduit clamps and approved by the engineer.

Anchor bolts and nuts shall be ASTM F1554 Grade 55. Anchor bolts, nuts and washers shall be fully galvanized.

Shift reinforcing steel in field where necessary to clear conduit and junction boxes.

Light standards, wiring and fixtures shall be furnished and installed by others.

For details of light standards, light baseplate, and wiring, see Lighting Plans sheet.

Contractor shall verify the bolt size and pattern in accordance with the light pole manufacturer's specifications prior to placing the anchor bolts.

Payment for light supports, concrete, and reinforcing steel will be completely covered by the contract lump sum price for the bridge.

Expansion fittings shall be placed as shown and set in accordance with the manufacturer's requirements and based on the air temperature at the time of setting given an estimated total expansion movement of 1 inch using a maximum temperature range of 120°F and a maximum temperature of 110°F. Additional expansion fittings beyond what is specified on the bridge plans shall be provided and placed in accordance with the conduit manufacturer's recommendations.

Use "surface" mounting, except adjacent to sidewalks, where mounting box on existing concrete. Use "flush" mounting where box is to be encased in concrete.

All end bent, intermediate bent, and barrier junction boxes shall be PVC molded in accordance with Sec 1062 and designed for flush surface mounting. The conduit terminations shall be permanent or separable. The terminations and covers shall be of watertight construction and shall meet requirements for NEMA 4 enclosure.

Placement of junction boxes and covers, complete in place, shall be flush with the pedestrian face of barrier. Junction boxes and covers may be recessed up to 1/4".

Weep holes shall be provided at low points or other critical locations to drain any moisture in the conduit system. Conduit shall be sloped to drain.

Drainage shall be provided at low points or other critical locations of all conduits and all junction boxes in accordance with Sec 707. All conduits shall be sloped to drain where possible.

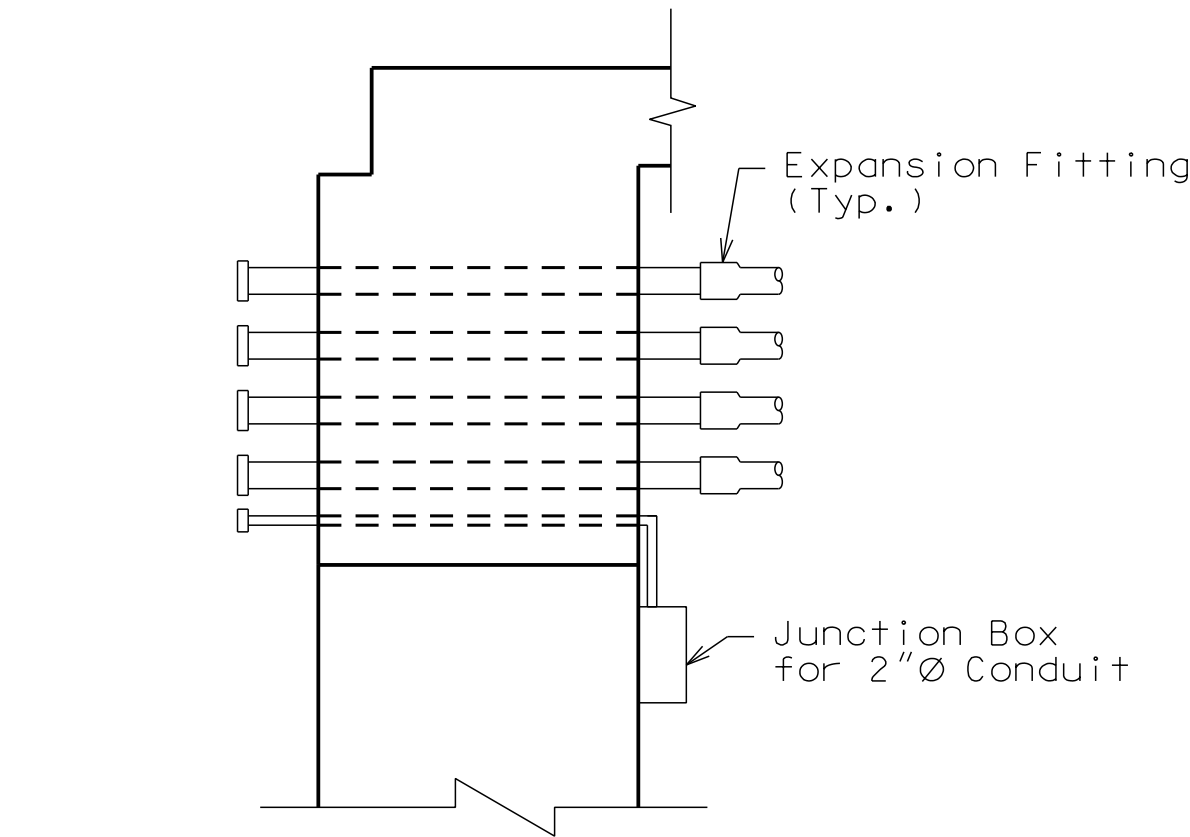
All 1" and 2" diameter conduits shall be secured to concrete with nonmetallic clamps at about 5'-0" cts. Concrete anchors for clamps shall be in accordance with Federal Specification FF-S-325, Group II, Type 4, Class I and shall be galvanized in accordance with ASTM A153, B695-91 Class 50 or stainless steel. Minimum embedment in concrete shall be 1 3/4". The supplier shall furnish a manufacturer's certification that the concrete anchors meet the required material and galvanizing specifications.

Junction box size shown on plan may require special order. No other size may be substituted.

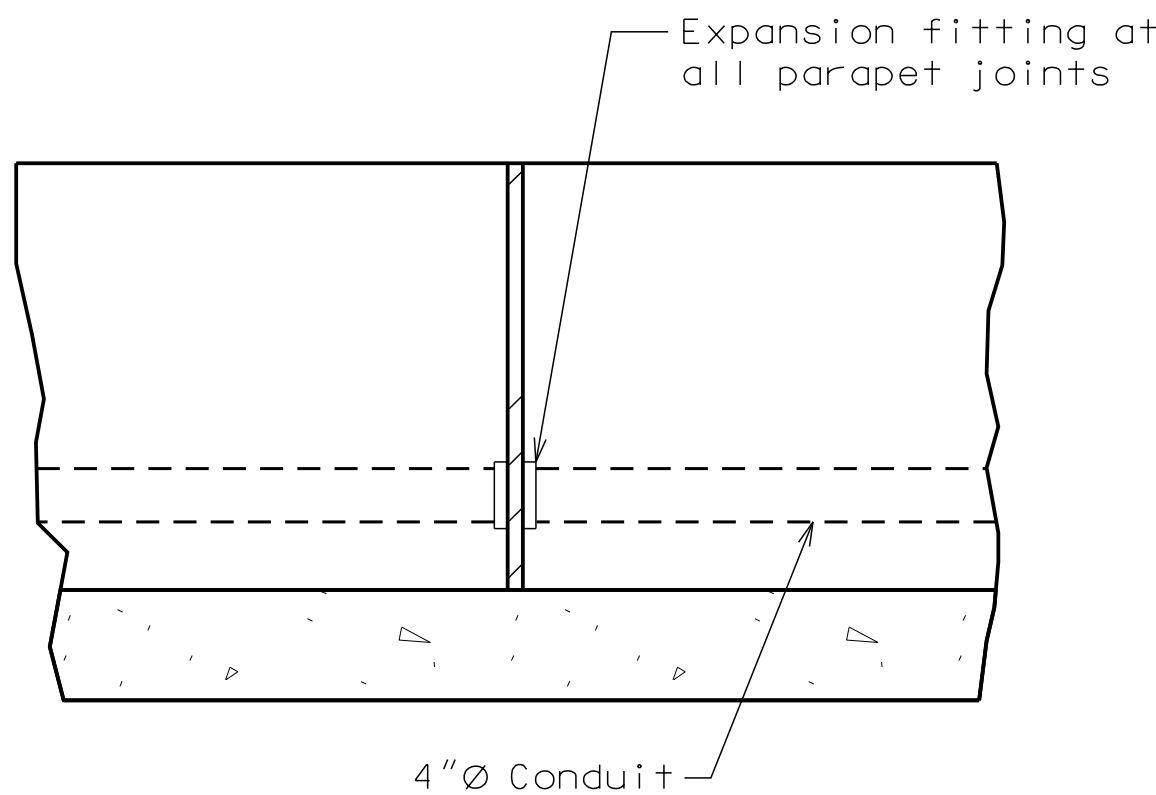
City Construction Personnel: Indicate in field and on bridge plans for future work the exact location of buried conduit at ends of bridge that are capped and not immediately used.

Payment for furnishing and installing light supports, concrete and reinforcing steel, and Conduit System, complete in place, will be considered completely covered by the contract lump sum price for the bridge.

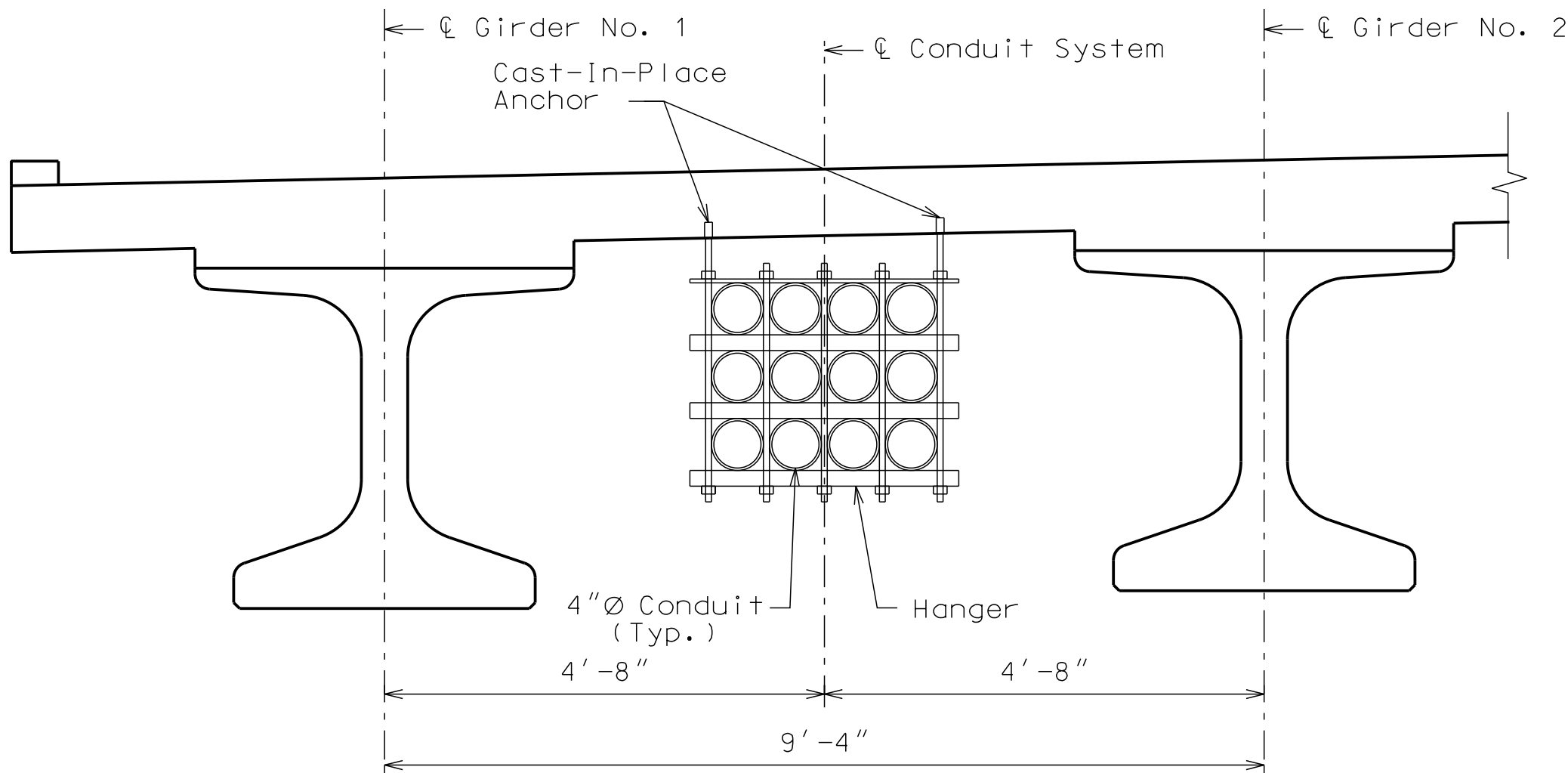
Cast-in-place anchors for the 12-duct conduit system shall be designed per the conduit hanger's engineer and the design shall be signed and sealed by a registered Professional Engineer in the State of Missouri. The design and details shall be submitted to the owner for review a minimum for four weeks prior to the start of fabrication.



TYPICAL SECTION AT END BENT
SHOWING CONDUIT SYSTEM



EXPANSION FITTING DETAIL

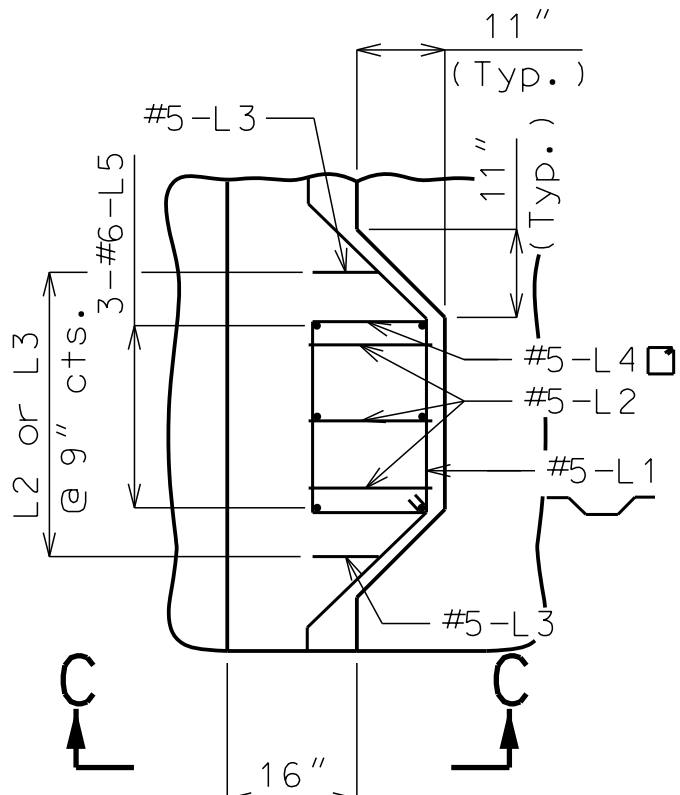


CONDUIT SYSTEM HANGER DETAIL

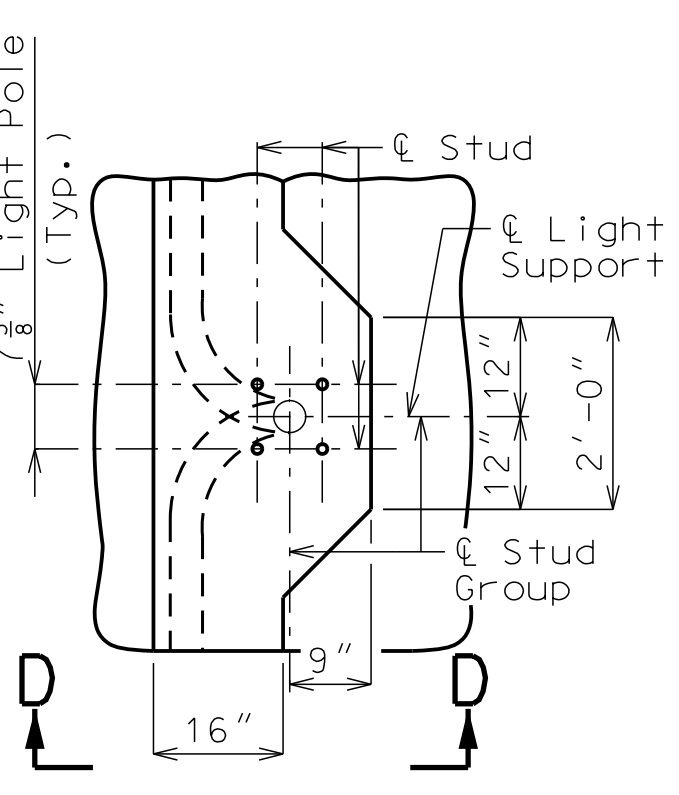
CONDUIT DETAILS

Note: This drawing is not to scale. Follow dimensions.

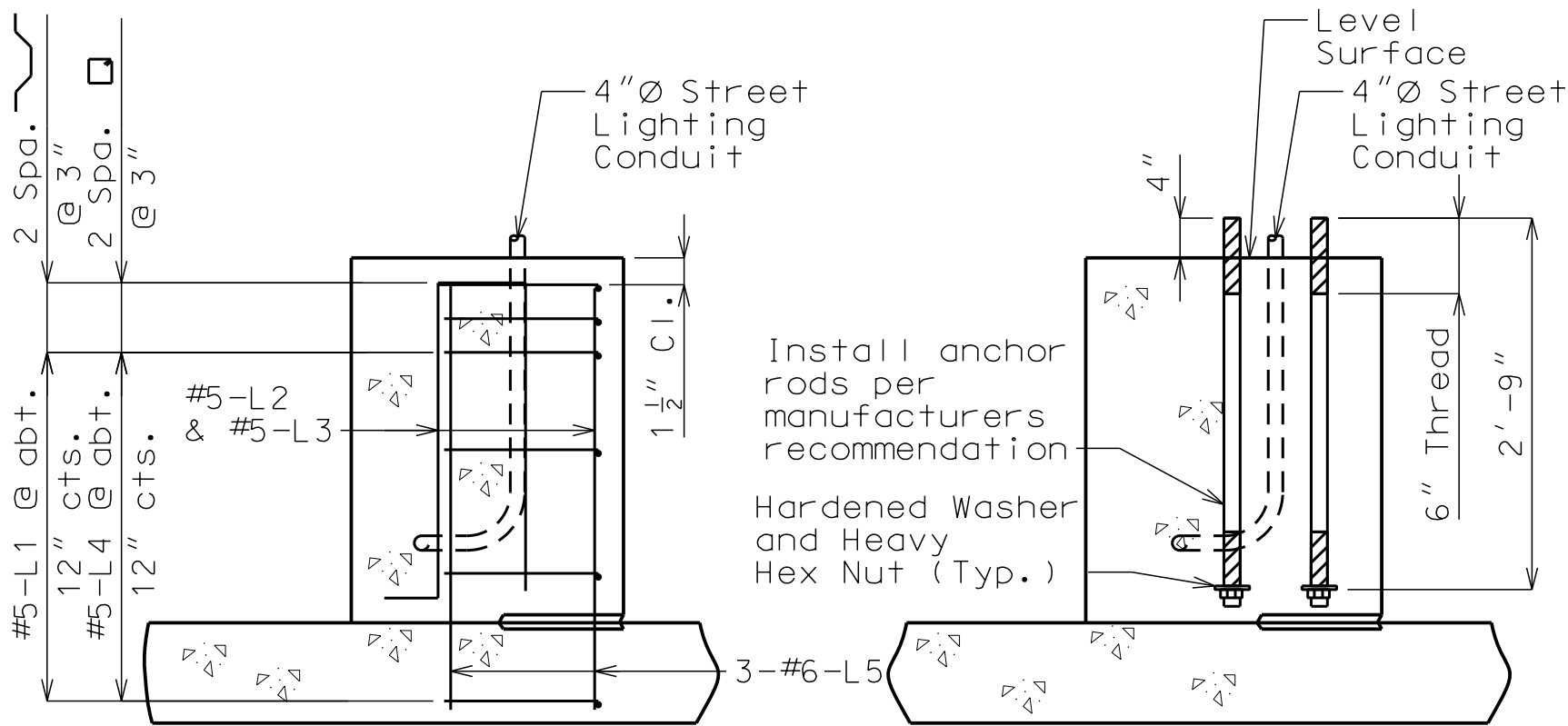
"NOT FOR CONSTRUCTION"	GBA architects engineers 9801 Renner Boulevard Lenexa, Kansas 66219 913.492.0400 www.gbateam.com	
	DATE: 07-29-20	
	DESIGN BY: JJM	
	DRAWN BY: DWM	
SHEET NO.	PROJECT NO.: 12720	
	TOTAL SHEETS	
26		30
West Bridge Plans Paragon Star Development Lee's Summit, Missouri		
JOSHUA J. MILLER PROFESSIONAL ENGINEER PE-2009010386		
NO.	DATE	REVISIONS
		BY
		APPROVED



PART PLAN



PART PLAN



SECTION C-C

SECTION D-D

(Conduit not shown for clarity)

LIGHT SUPPORTS ON LEFT BARRIER

“NOT FOR CONSTRUCTION”

JOSHUA J. MILLER
PROFESSIONAL ENGINEER
PE-2009010386

NO. DATE

GBA

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DATE: 07-29-20

DESIGN BY: JJM

DRAWN BY: DWM

PROJECT NO.: 12720

SHEET NO.

27

TOTAL SHEETS

30

West Bridge Plans

Paragon Star Development

Lee's Summit, Missouri

REVISIONS

BY APPROVED

TYPICAL END BENT ELEVATION SHOWING
LIGHTING AND CONDUIT
(End Bent No. 4 shown, End Bent No. 1 similar)

TYPICAL INT. BENT ELEVATION SHOWING
LIGHTING AND CONDUIT
(Right fascia shown, left fascia similar)

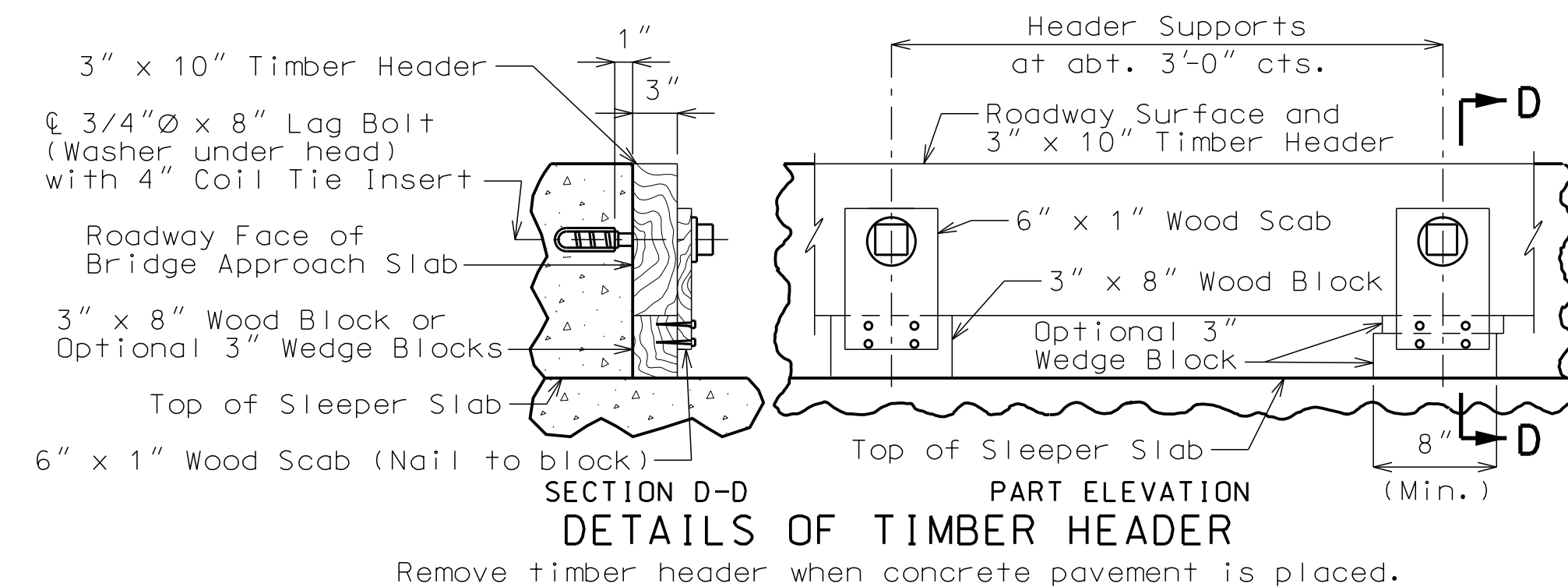
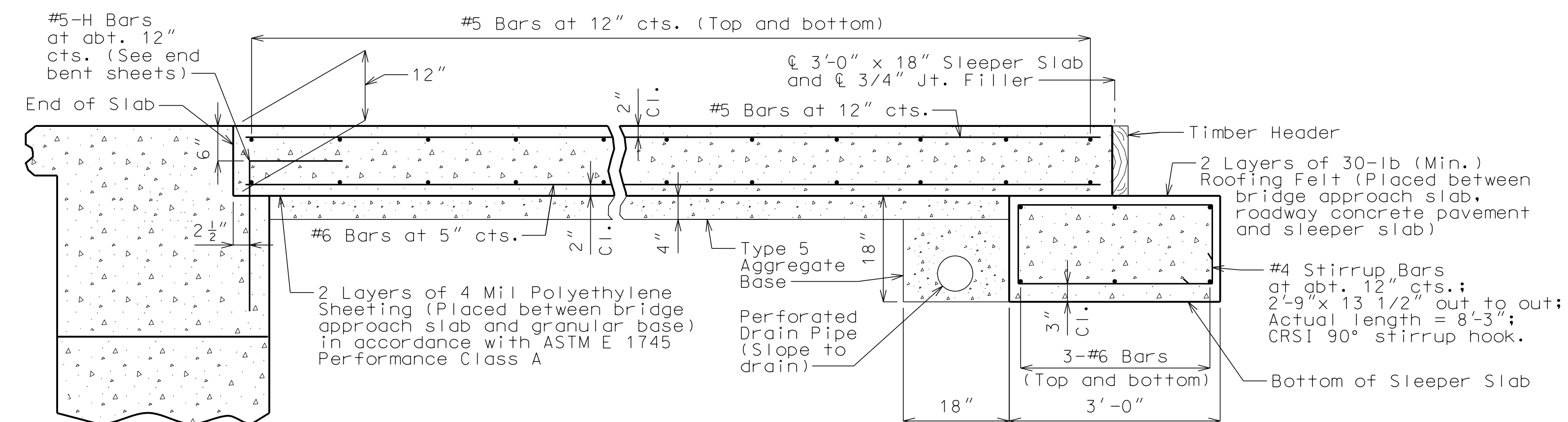
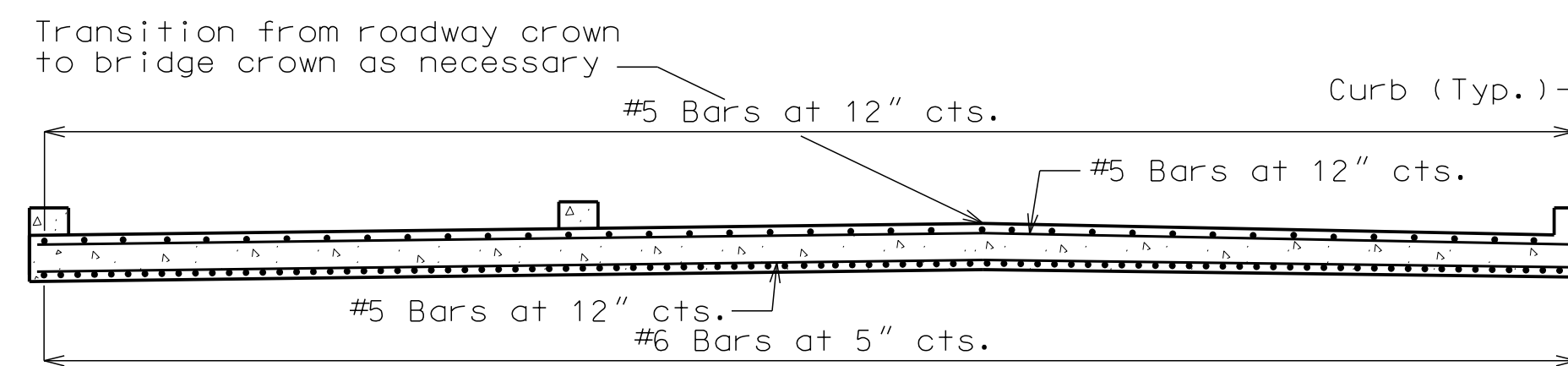
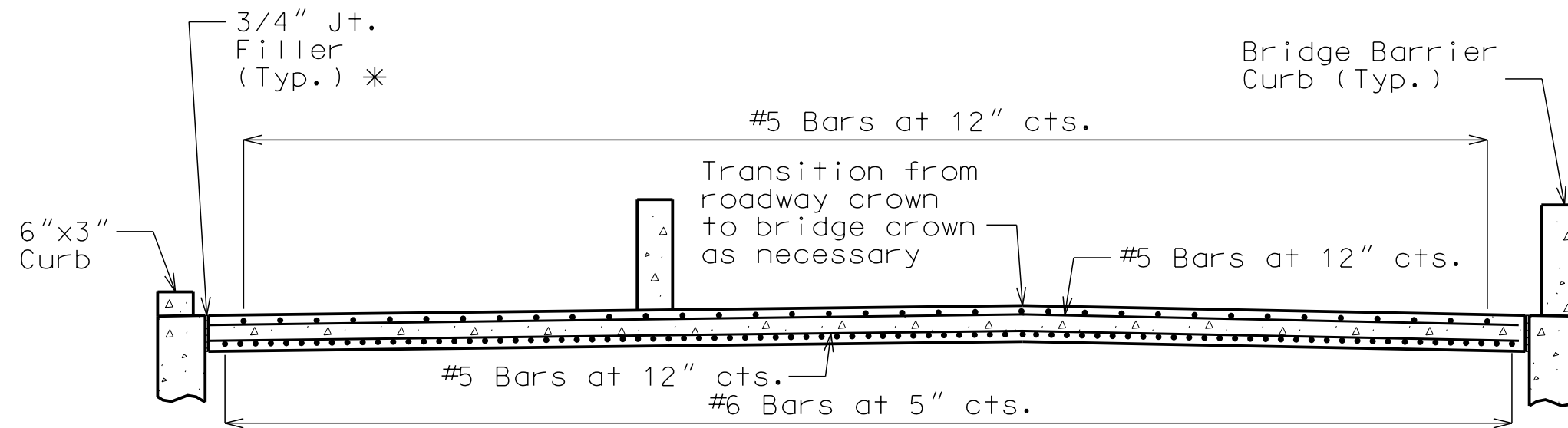
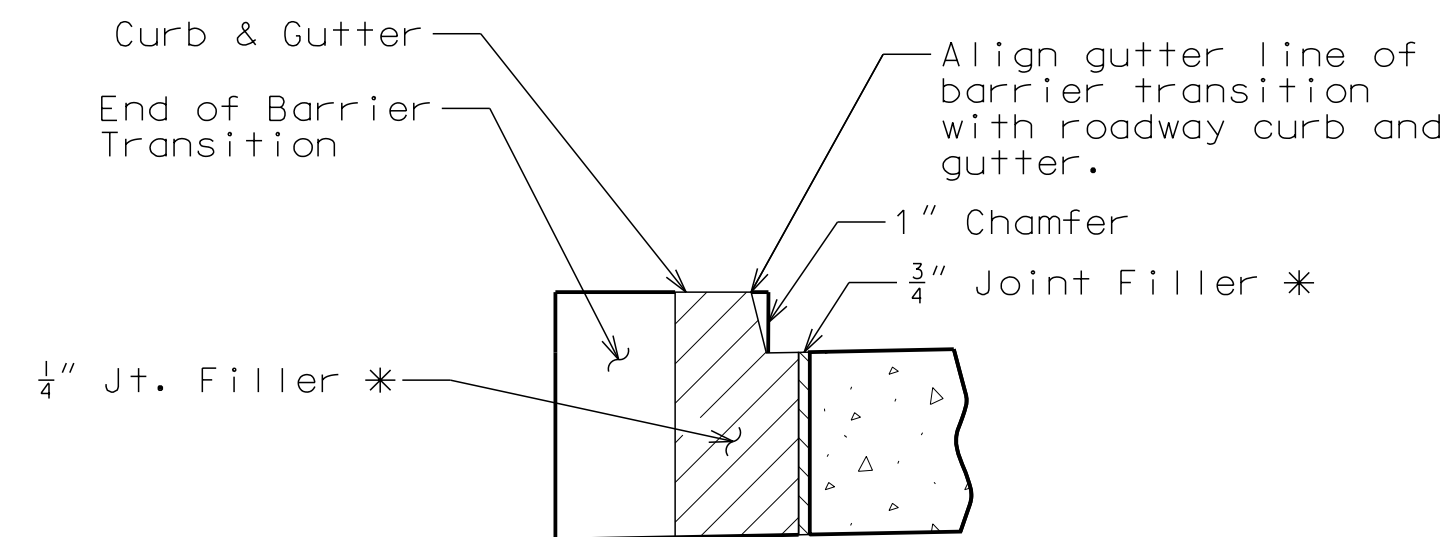
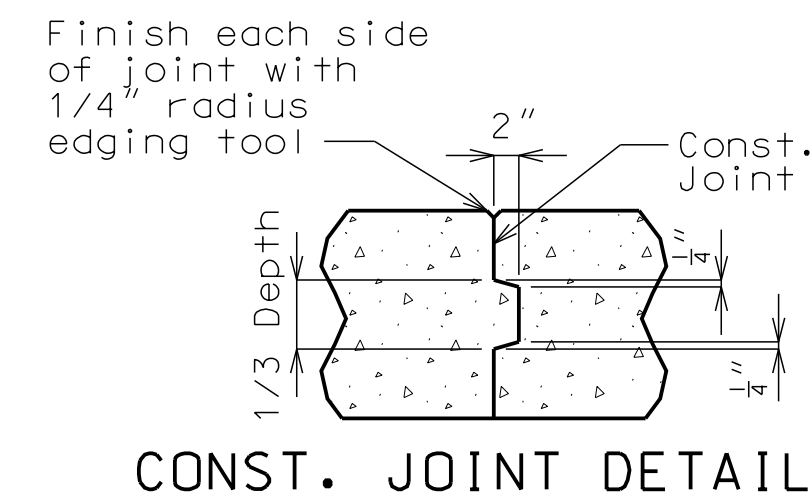
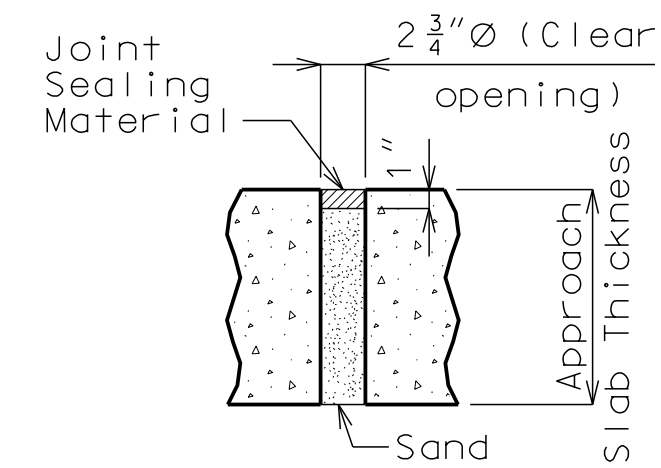
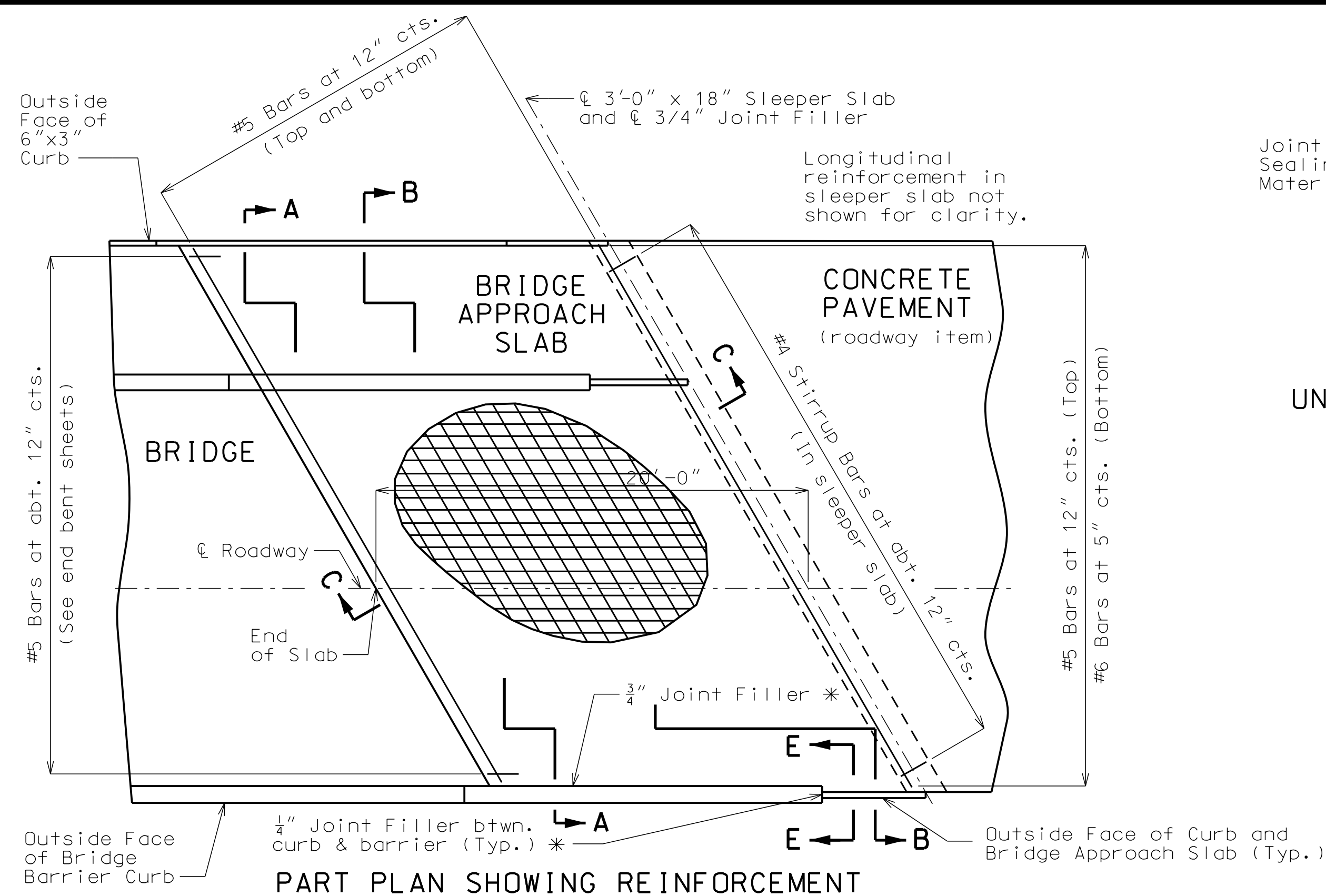
PLAN AT LEFT BARRIER CURB
(Right barrier at End Bent No. 1 shown,
right barrier at End Bent No. 4 similar)

ELEVATION SHOWING CONDUITS NEAR
END BENTS AT LEFT BARRIER CURB
(Left barrier at End Bent No. 1 shown,
Left barrier at End Bent No. 4 similar)

TYPICAL SECTION OF
LEFT BARRIER CURB

CONDUIT DETAILS

Note: This drawing is not to scale. Follow dimensions.



General Notes:

All concrete for the bridge approach slab and sleeper slab shall be in accordance with Sec 503 ($f'c = 4,000$ psi).

The reinforcing steel in the bridge approach slab and the sleeper slab shall be epoxy coated Grade 60 with $f_y = 60,000$ psi.

Drain pipe may be either 6" diameter corrugated metallic-coated pipe underdrain, 4" diameter corrugated polyvinyl chloride (PVC) drain pipe, or 4" diameter corrugated polyethylene (PE) drain pipe.

Minimum clearance to reinforcing steel shall be 1 1/2",
unless otherwise shown.

The reinforcing steel in the bridge approach slab and the sleeper slab shall be continuous. The transverse reinforcing steel may be made continuous by lap splicing the #5 bars 29".

All joint filler shall be in accordance with Sec 1057 for preformed fiber expansion joint filler except as noted.

The contractor shall pour and satisfactorily finish the bridge before pouring the bridge approach slab.

For Concrete Approach Pavement details, see Street plans.

See Street Plans for details of Curb on Approach Slab.

Payment for furnishing all materials, labor and excavation necessary to construct the approach slab, including the timber header, sleeper slab, underdrain, Type 5 aggregate base, joint filler and all other appurtenances and incidental work as shown on this sheet, complete in place, will be considered completely covered by the contract lump sum price for the bridge.

* Seal joint between vertical face of approach slab and wing with "Silicone Joint Sealant for Saw Cut and Formed Joints" in accordance with Sec 717.

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Lee's Summit, Missouri

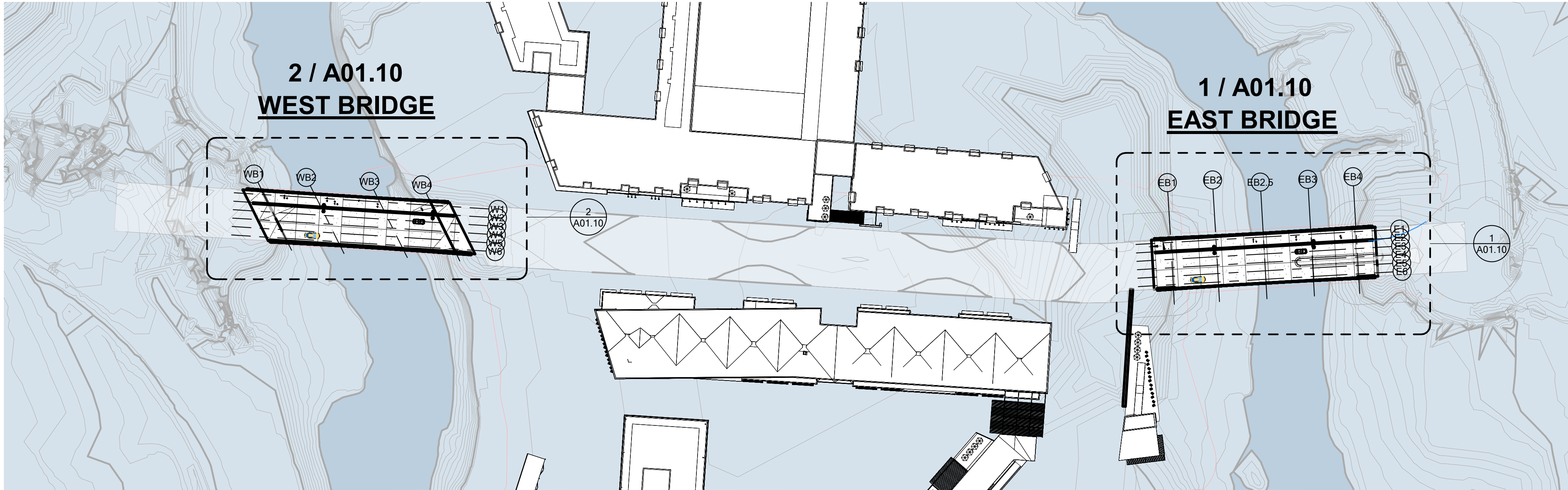
THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 02195051 PARAGON STAR BRID.GPJ TERRACON DATATEMPLATE.GDT 7/16/19

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 02195051 PARAGON STAR BRID GPJ TERRACON DATATEMPLATE GDT 7/16/19

Note: For locations of borings, see Sheet No. 1.

Note: This drawing is not to scale. Follow dimensions.

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1
A01.00

SITE PLAN - ARCHITECTURAL

SCALE : 1" = 80'-0"

GENERAL NOTES

- "A" SERIES DRAWINGS PERTAIN TO, BUT ARE NOT LIMITED TO: RAIL, RAIL STRUCTURE, RAIL FINISHES, AND BRIDGE LIGHTING.
- ALL SPOT ELEVATIONS ARE TO STATE BASE PLANE COORDINATES USED BY THE BRIDGE AND CIVIL SCOPES.
- ALL SPOT ELEVATIONS ARE FOR GENERAL COORDINATION PURPOSES ONLY. REFERENCE CIVIL AND BRIDGE SCOPES FOR OFFICIAL ELEVATIONS.
- ALL WELDS ARE TO BE CONTINUOUS AND WATER TIGHT U.N.O.
- ALL STEEL IS TO BE GALVANIZED. ANY GALVANIZING REMOVED DURING THE CONSTRUCTION OR INSTALLATION PROCESS SHALL BE REPAIRED WITH A ZINC-RICH PRIMER.
- ANY DIMENSIONS BETWEEN PRIMARY STRUCTURAL ELEMENTS (SUCH AS GRIDS) ARE FOR REFERENCE ONLY. REFERENCE BRIDGE STUCTURE DRAWINGS FOR OFFICIAL DIMENSIONS OF BRIDGE STRUCTURE. NOTIFY ARCHITECT OF ANY SIGNIFICANT DESCREPENCIES BETWEEN SCOPES.
- ALSO FOR REFERENCE ONLY ARE PORTRAYAL OF BRIDGE COMPONENTS, INCLUDING BUT NOT LIMITED TO: CONCRETE DECK, CURB TRANSITION BARRIERS, VEHICULAR BARRIERS, GIRDERS, PIER BEAMS, PIERS, ABUTMENTS, ABUTMENT WING WALLS, AND APPROACH SLABS. REFERENCE BRIDGE STUCTURE DRAWINGS FOR OFFICIAL DOCUMENTATION OF BRIDGE COMPONENTS.
- REFERENCE CIVIL DRAWINGS FOR ADJACENCT CIVIL SCOPE, INCLUDING BUT NOT LIMITED TO: ADJACENT STREET PAVING, CURBS, MEDIANS, AND STREET SIGNAGE.
- REFERENCE BRIDGE LIGHTING PACKAGE FOR ADDITIONAL LIGHTING INFORMATION AT BRIDGE DECK LIGHTING AND AT BRIDGE SIDE LIGHTING.

PROJECT-SPECIFIC TERMINOLOGY

- RAIL VERT** - A SINGLE VERTICAL STEEL MEMBER OR "PICKET" IN THE *RAIL ASSEMBLY*. *RAIL VERTS* MAKE UP THE BULK OF THE MEMBERS IN THE *RAIL ASSEMBLIES*.
- RAIL HORIZONTAL** - A CONTINUOUS STEEL MEMBER, MORE OR LESS HORIZONTAL, THAT CONNECTS MULTIPLE *RAIL VERTS* TO MAKE A RIGID *RAIL GUARD*.
- RAIL GUARD** - THE RIGID COLLECTION OF *RAIL VERTS* AND *RAIL HORIZONTALS*.
- BRIDGE DECK** - THE CONTINOUS HORIZONTAL CONCRETE SLAB THAT PROVIDES THE FINISH SURFACE FOR VEHICLES AND PEDESTRIANS ON THE BRIDGE.
- BRIDGE DECK EDGE ANGLE** - THE EMBEDDED STEEL SHAPE AT THE *BRIDGE DECK* EDGE PROVIDING FOR THE *RAIL ASSEMBLIES* ATTACHMENT TO THE DECK.
- WING WALL FACE PLATE** - SURFACE APPLIED PLATE AT ABUTMENT WINGS PROVIDING FOR THE *RAIL ASSEMBLIES* ATTACHMENT TO THE WING WALL.
- RAIL ANCHORAGE** - ANY CONNECTIVE STEEL INTERMEDIATE TO THE *RAIL GUARD* AND EITHER THE *BRIDGE DECK EDGE ANGLE* (*NORTH AND SOUTH BRIDGE DECK*), *WING WALL FACE PLATE* (*NORTH AND SOUTH WING WALLS*), OR *PEDESTRIAN BARRIER* (*MIDDLE RAILS*).
- RAIL ASSEMBLY** - A COLLECTION OF *RAIL VERTS*, *RAIL HORIZONTALS*, AND *RAIL ANCHORAGE* THAT IS SHOP FABRICATED INTO A SINGLE, RIGID CONSTRUCTION FOR HOT-DIP GALVANIZING. RAIL ASSEMBLY LENGTH SHALL BE DICTATED BY GALVANIZING TANK AVAILABLE TO THE WINNING CONTRACTOR.
- RAIL RUN** - REFERS TO A CONTINUOS COLLECTION OF SEQUENTIAL RAIL ASSEMBLIES ALONG A SINGLE PATH. BOTH THE WEST AND EAST BRIDGES HAVE *SOUTH*, *NORTH*, AND *MIDDLE RAIL RUNS*.

RAIL SHEET LIST

REV #	SHEET #	DESCRIPTION
	A01.00	GENERAL - SITE PLAN
	A01.10	PLANS
	A03.10	BRIDGE W - NORTH RAIL
	A03.11	BRIDGE W - SOUTH RAIL
	A03.12	BRIDGE W - MIDDLE RAIL
	A03.20	BRIDGE E - NORTH RAIL
	A03.21	BRIDGE E - SOUTH RAIL
	A03.22	BRIDGE E - MIDDLE RAIL
	A05.20	RAIL DETAILS
	A05.30	LIGHT MOUNT DETAILS
	A06.10	RAIL TYPES
	A06.11	SCHEDULE - BRIDGE W - N - RAIL
	A06.12	SCHEDULE - BRIDGE W - S - RAIL
	A06.13	SCHEDULE - BRIDGE W - M - RAIL
	A06.14	SCHEDULE - BRIDGE E - N - RAIL
	A06.15	SCHEDULE - BRIDGE E - S - RAIL
	A06.16	SCHEDULE - BRIDGE E - M - RAIL

CODE INFORMATION

- IBC 2018
GUARD RAIL
HEIGHT: 42" MINIMUM
WHERE REQUIRED: AT LOCATIONS OF ELEVATION CHANGE > 30".
STRUCTURAL RESISTANCE FOR HORIZONTAL FORCES
POINT LOAD: 200 LB
DESTRIBUTED LOAD: 50 LB / LF
MAXIMUM OPENING WIDTH: 4"

ITEMS TO BE ISSUED IN FORTHCOMING ADDENDUM

- END-OF-RUN RAIL SUPPORT DETAILS - (INCLUDES DRILLED AND EPOXY CONNECTIONS)
RAIL SUPPORT AT DETAIL AT LIGHT BASE LOCATION
RAIL HORIZONTAL LOCATIONS TO BE ADDED TO VERT SCHEDULES
BRIDGE SIDE LIGHT MOUNT DETAILS REFINEMENTS

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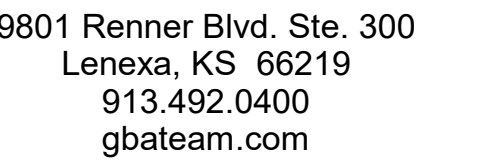
WEST BRIDGE PLANS

View High Dr, View High Pkwy, River Rd
Lee's Summit, MO

REV	DATE	DESCRIPTION

NOT FOR CONSTRUCTION

PROJECT NUMBER 12720.62	
DATE 2020.07.29	
PLANS FOR FINAL APPROVAL	
DESIGNED:	NJC
DRAWN:	NJC
REVIEWED:	CLR
SHEET TITLE GENERAL - SITE PLAN	
SHEET NUMBER A01.00	
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[illegible]

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PROJECT NUMBER
12720.62

ATE

2020.07.29

PLANS FOR FINAL APPROVAL

DESIGNED: NJC

DRAWN: NJC

REVIEWED: CLR

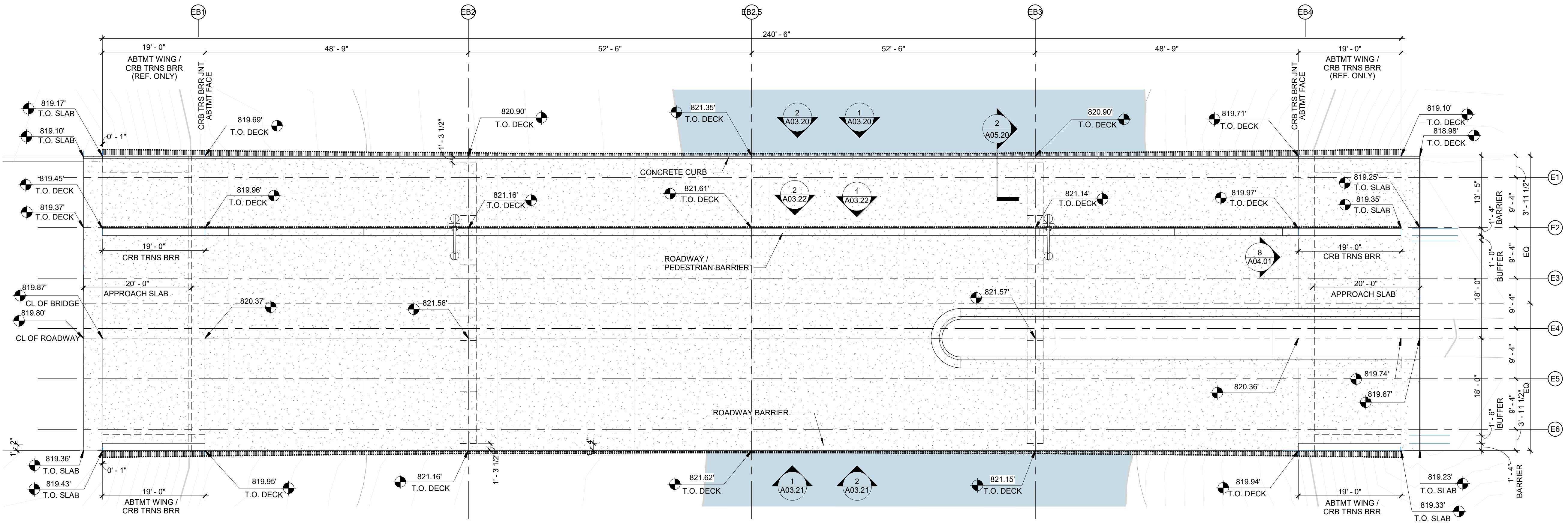
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PLANS

SHEET NUMBER

A01.10

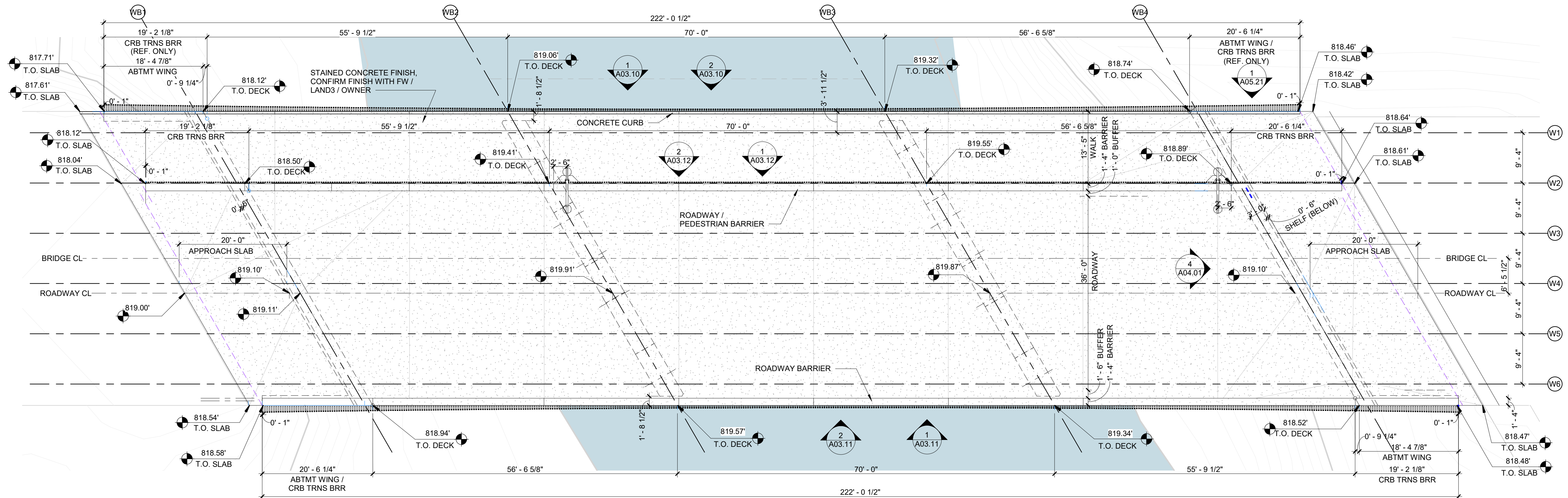
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Engineering COA# E-92
Architecture COA# A-45
Land Sureveying COA# LS-8



PLAN-BRIDGE_E

PLAN-B

A01.00 | A01.10 SCALE : 3/32" = 1'-0"

**PLAN-BRIDGE_W**

PLAN-B

SCALE : 3/32" = 1'-0"

A01.00 | A01.10

2

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-- BIM 360://12720.62 ParagonStar_Bridges/12720.61_ParagonStar_Bridges_Site.rvt
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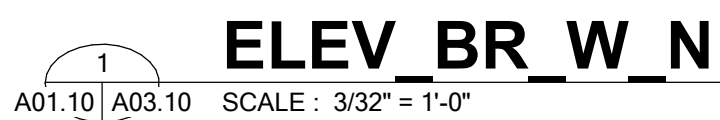
SHEET TITLE

BRIDGE W - NORTH RAIL

SHEET NUMBER

A03.10

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PLANS FOR FINAL APPROVAL

DESIGNED: NJC

DRAWN: NJC

REVIEWED: CLR

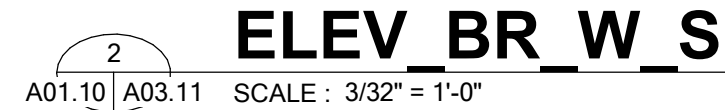
SHEET TITLE

BRIDGE W - SOUTH RAIL

SHEET NUMBER

A03.11

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PROJECT NUMBER
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DATE

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PLANS FOR FINAL APPROVAL

DESIGNED: NJC

DRAWN: NJC

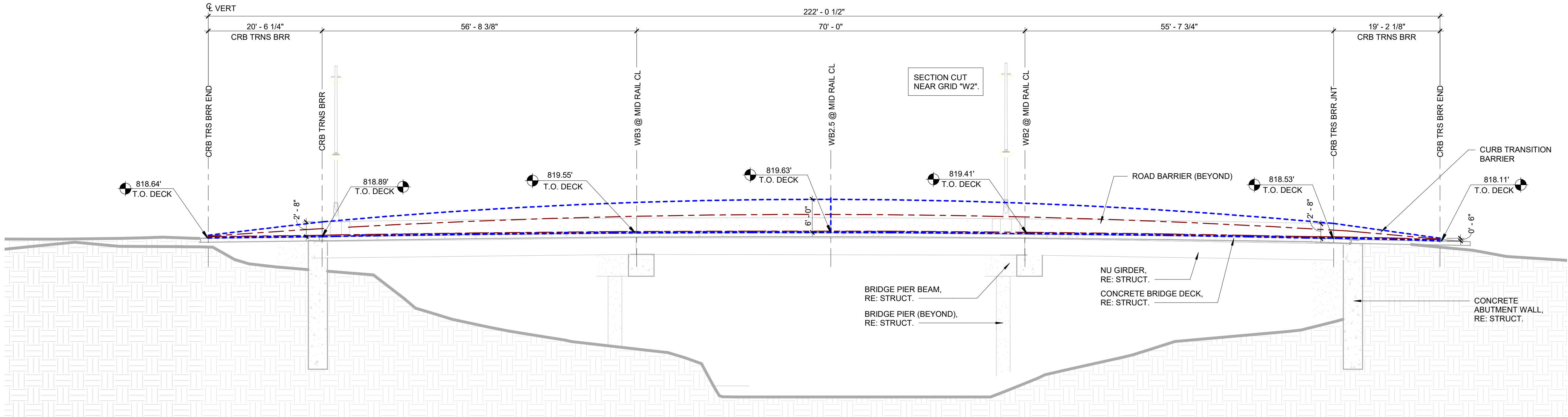
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SHEET TITLE

BRIDGE W - MIDDLE RAIL

SHEET NUMBER

A03.12



RAIL LAYOUT ELEVATION NOTES

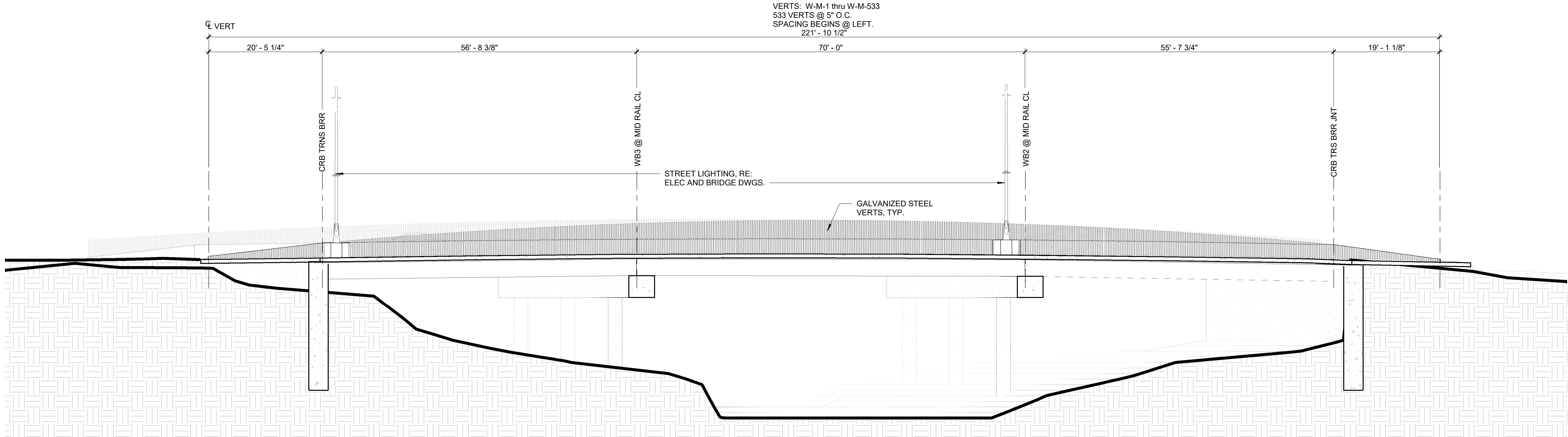
1. FOR RAIL HORIZONTALS H01 & H02 LOCATIONS,
RE: 01/A06.10 RAIL TYPES.

LAYOUT LINE LEGEND

TOP / BOTTOM RAIL LINE ---
BEND IN VERT LINE ---
RAIL HORIZONTAL LINE ---

ELEV_BR_W_M_LAYOUT

A01.10 A03.12 SCALE : 3/32" = 1'-0"



ELEV_BR_W_M

A01.10 A03.12 SCALE : 3/32" = 1'-0"

REV	DATE	DESCRIPTION

NOT FOR CONSTRUCTION

PROJECT NUMBER
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DATE

2020.07.29

PLANS FOR FINAL APPROVAL

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DRAWN: NJC

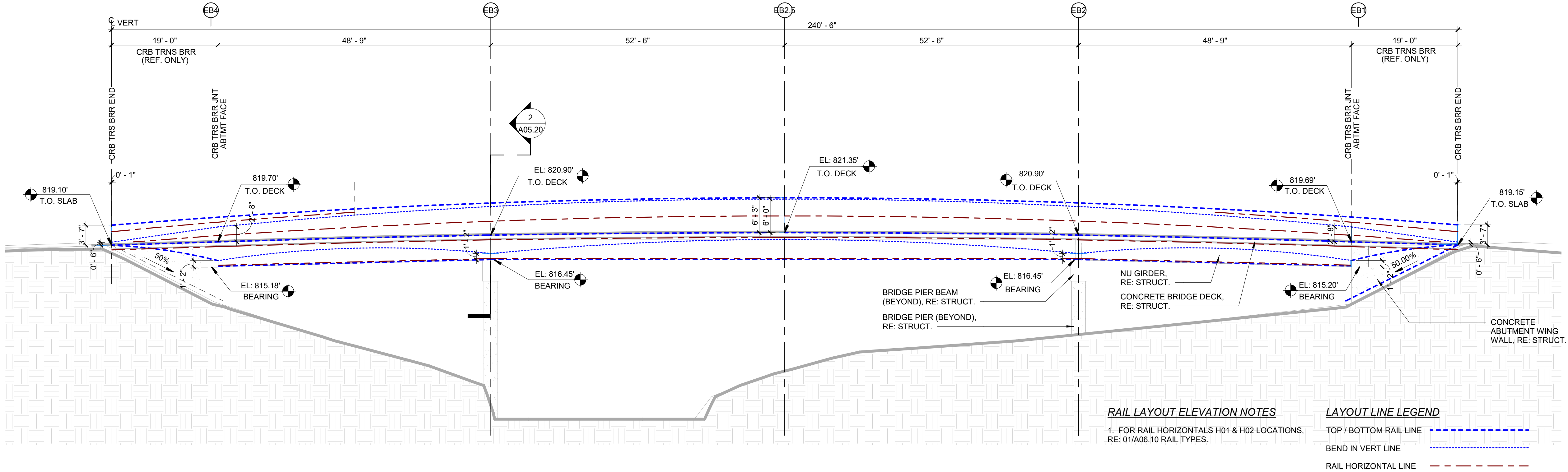
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BRIDGE E - NORTH RAIL

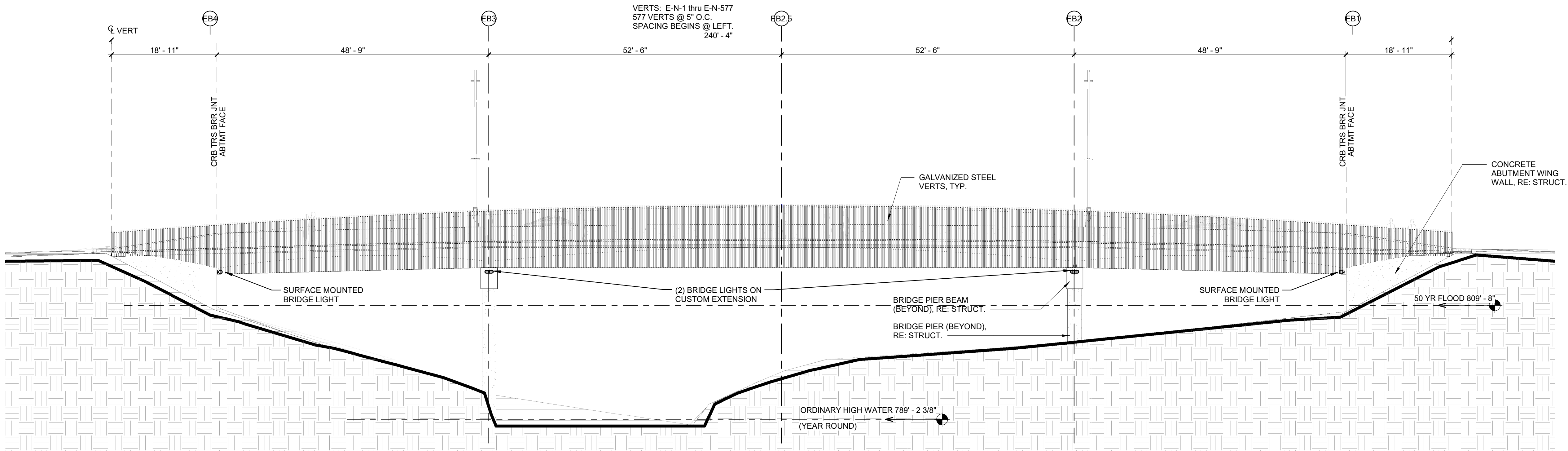
SHEET NUMBER

A03.20



ELEV BR E_N-LAYOUT

1
A01.10 | A03.20 SCALE: 3/32" = 1'-0"



ELEV BR E_N

2
A01.10 | A03.20 SCALE: 3/32" = 1'-0"

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DRAWN: NJC

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HEET TITLE

BRIDGE E - SOUTH RAIL

SHEET NUMBER

A03.21

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Architecture COA# A-45
Land Sureveying COA# LS-8



1. FOR RAIL HORIZONTALS H01 & H02 LOCATIONS,
RE: 01/A06.10 RAIL TYPES.

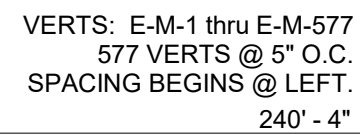
LAYOUT LINE LEGEND

TOP / BOTTOM RAIL LINE - - - - -

BEND IN VERT LINE

RAIL HORIZONTAL LINE — — — — —

2
A01.10 | A03.21 SCALE : 3/32" = 1'-0"



ELEV_B

1

A01.10 A03.21

SCALE : $\frac{3}{32}'' = 1'-0''$

REV	DATE	DESCRIPTION

NOT FOR CONSTRUCTION

PROJECT NUMBER
12720.62

DATE

2020.07.29

PLANS FOR FINAL APPROVAL

DESIGNED: NJC

DRAWN: NJC

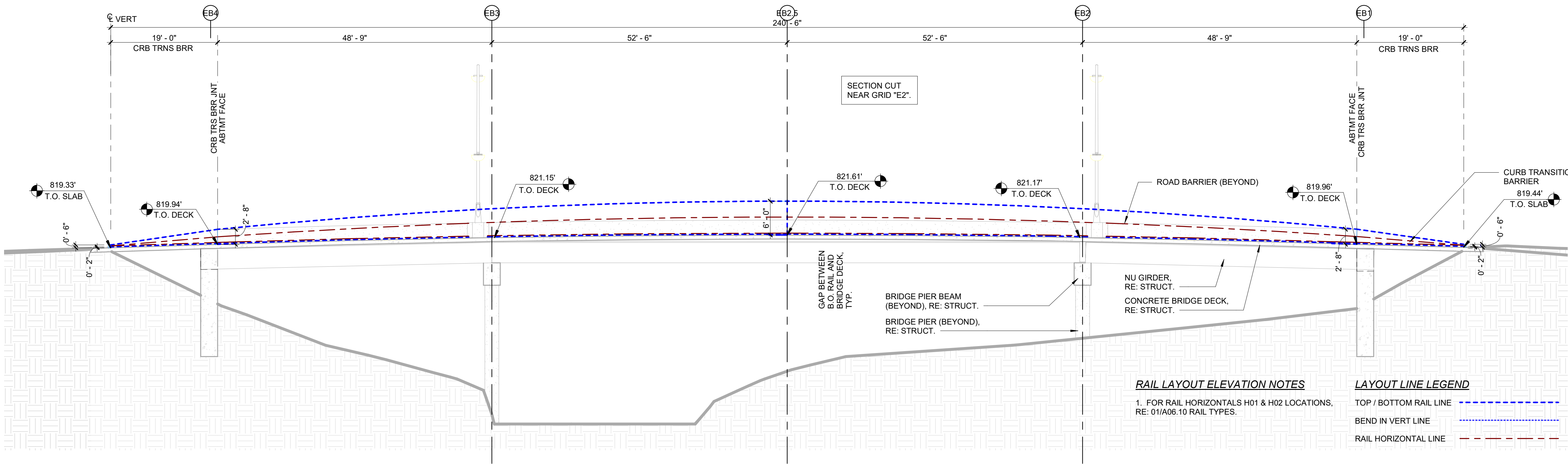
REVIEWED: CLR

SHEET TITLE

BRIDGE E - MIDDLE RAIL

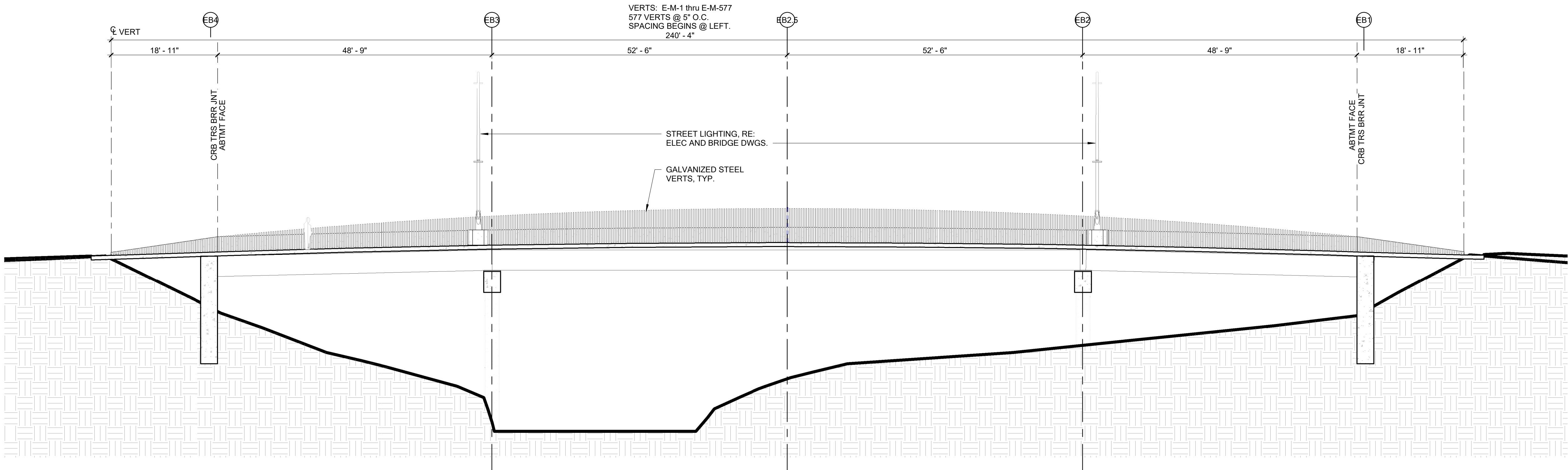
SHEET NUMBER

A03.22



ELEV BR E M LAYOUT

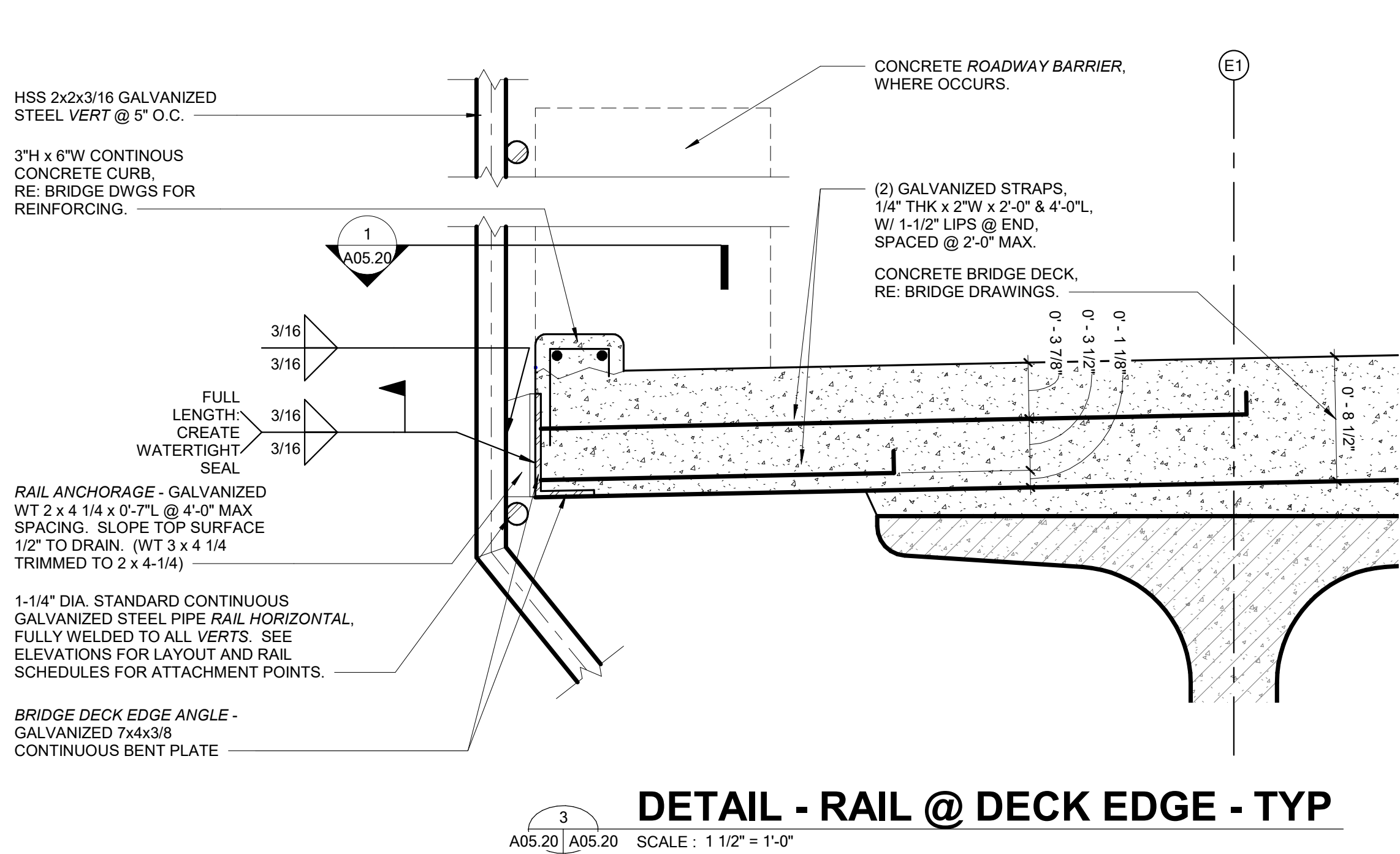
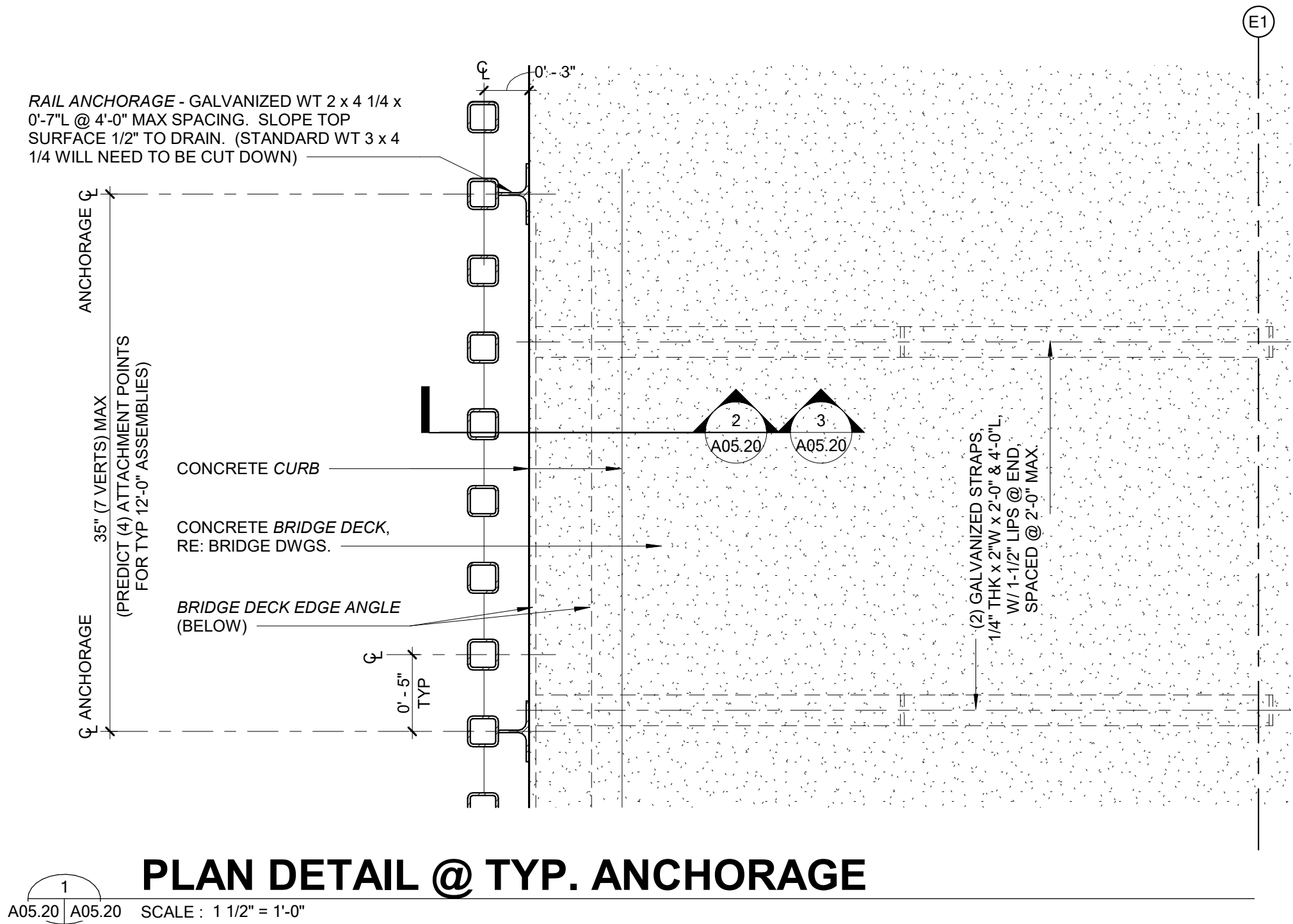
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A01.10 | A03.22
SCALE : 3/32" = 1'-0"



ELEV BR E M

2
A01.10 | A03.22
SCALE : 3/32" = 1'-0"

Plotted 7/29/2020 9:02:04 AM -- BIM 360://12720.62 ParagonStar_Bridges/12720.61_ParagonStar_Bridges_Site.rvt

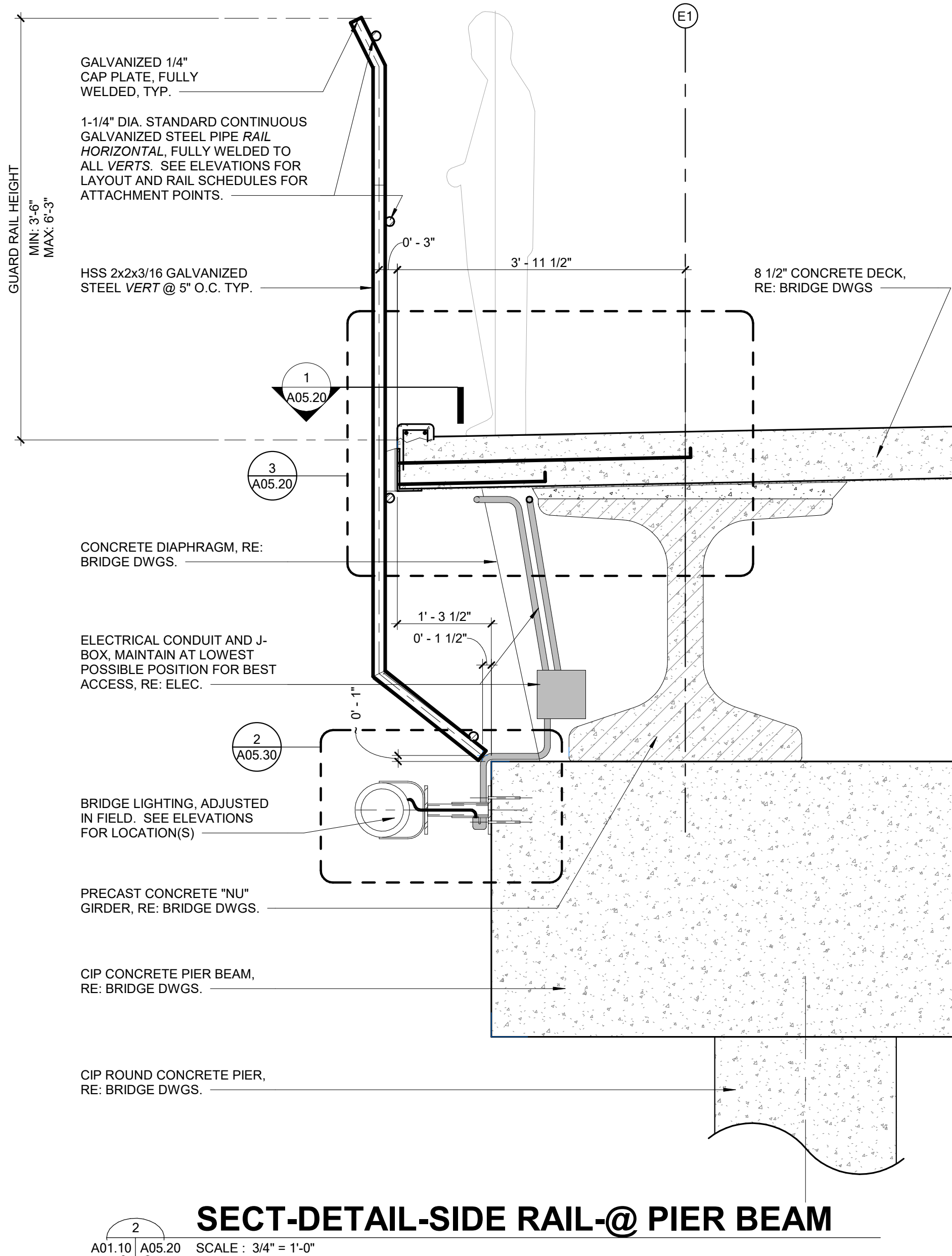


RAIL REFERENCE

RE: RAIL ELEVATIONS FOR VERT LAYOUT.

RE: 1 / A06.10 FOR RAIL VERT CONFIGURATION TYPES.

RE: RAIL SCHEDULES FOR RAIL TYPE LENGTHS, ANGLES, ANCHORAGE LOCATIONS, AND RAIL HORIZONTAL LOCATIONS.



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WEST BRIDGE PLANS

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Lee's Summit, MO

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NOT FOR CONSTRUCTION

PROJECT NUMBER 12720.62	
DATE 2020.07.29	
PLANS FOR FINAL APPROVAL	
DESIGNED:	NJC
DRAWN:	NJC
REVIEWED:	CLR
SHEET TITLE RAIL DETAILS	
SHEET NUMBER A05.20	
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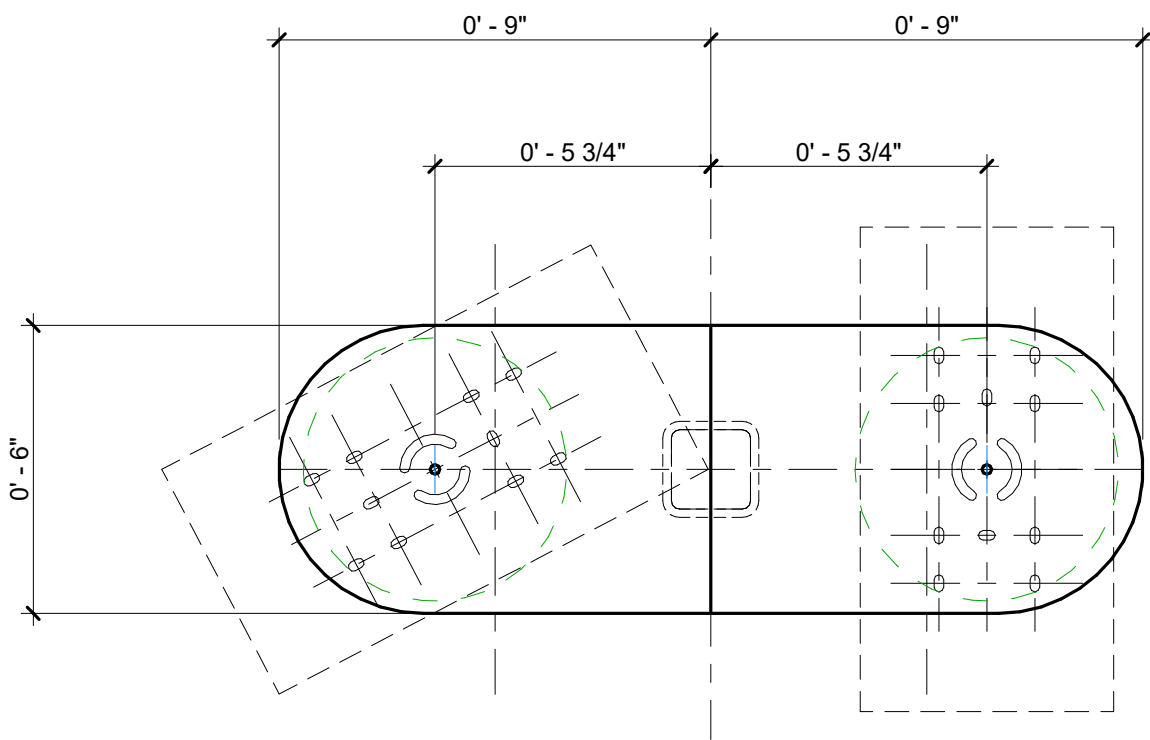
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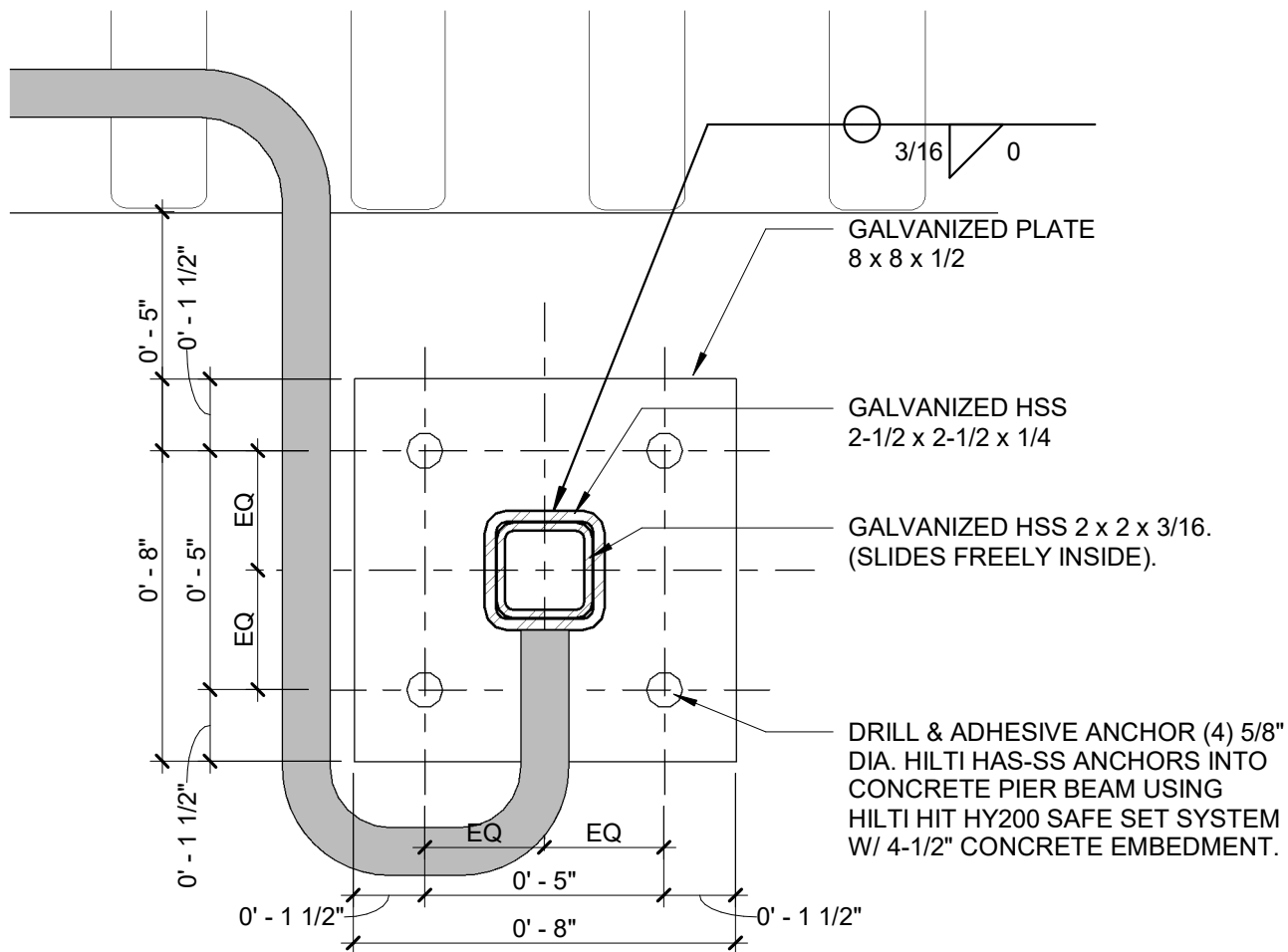
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DATE	2020.07.29
PLANS FOR FINAL APPROVAL	
DESIGNED:	NJC
DRAWN:	NJC
REVIEWED:	CLR
SHEET TITLE	

LIGHT MOUNT DETAILS

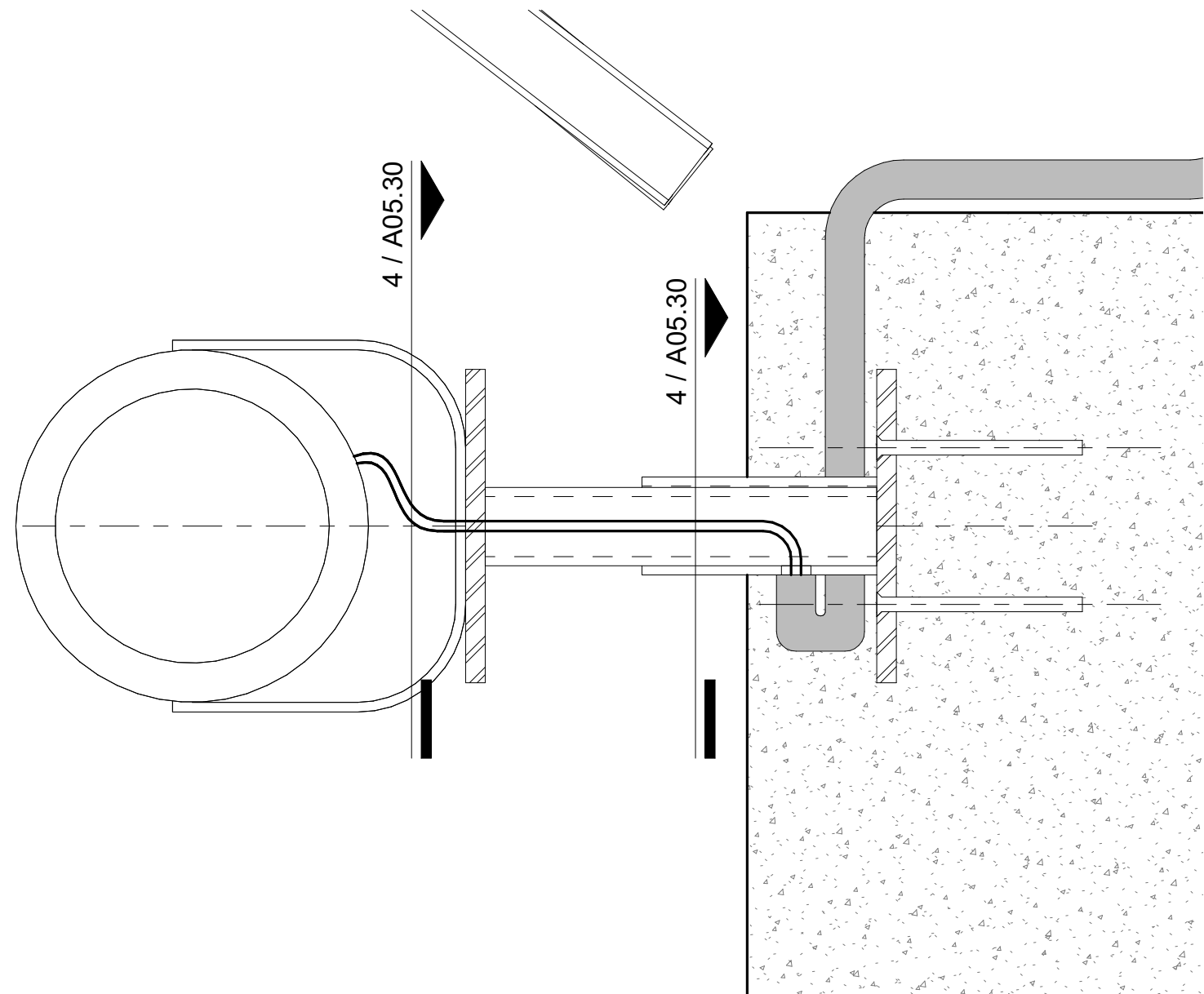
SHEET NUMBER	A05.30
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Architecture COA# A-45	
Land Surveying COA# LS-8	



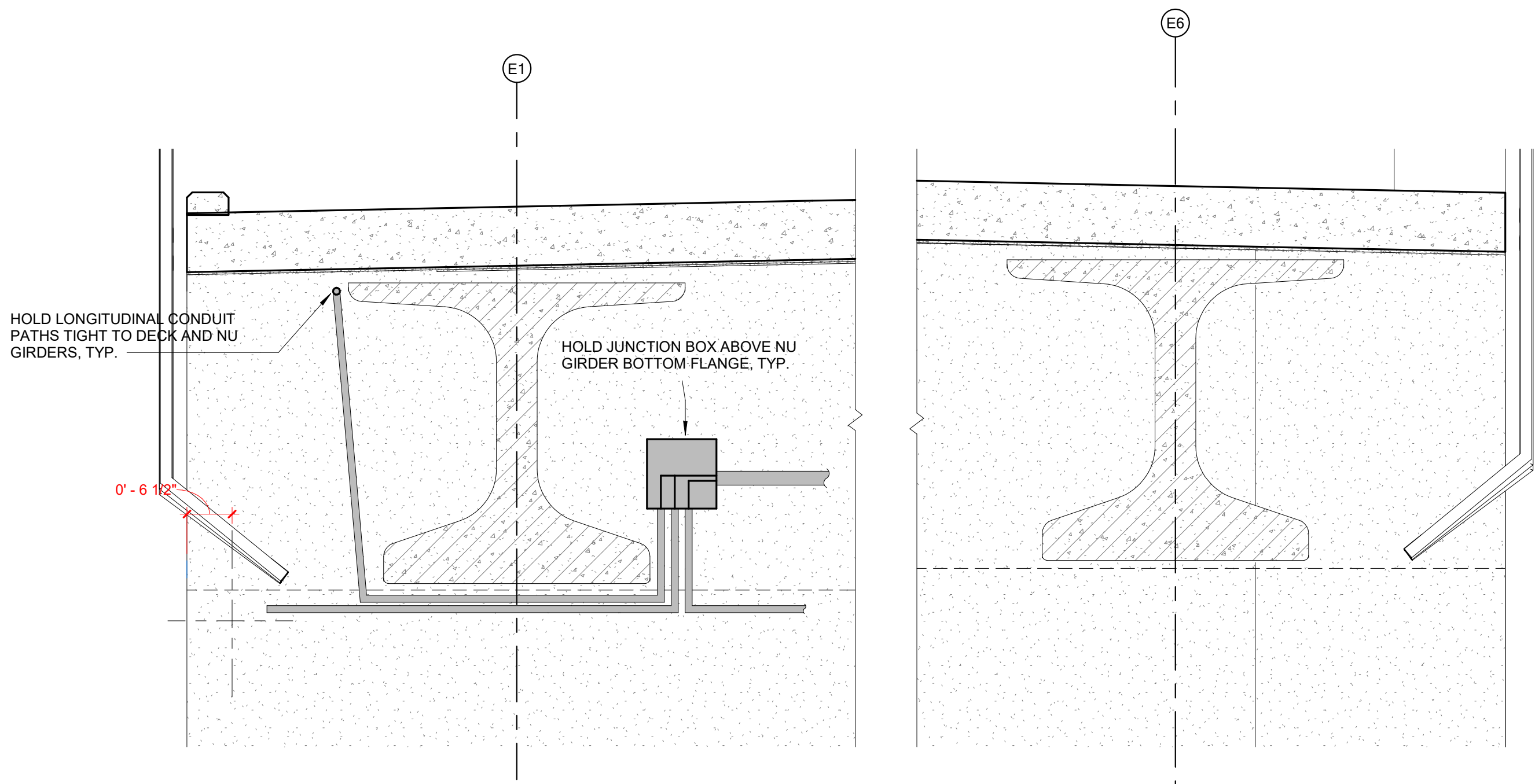
5 LIGHT MOUNT PLATE
SCALE : 3" = 1'-0"



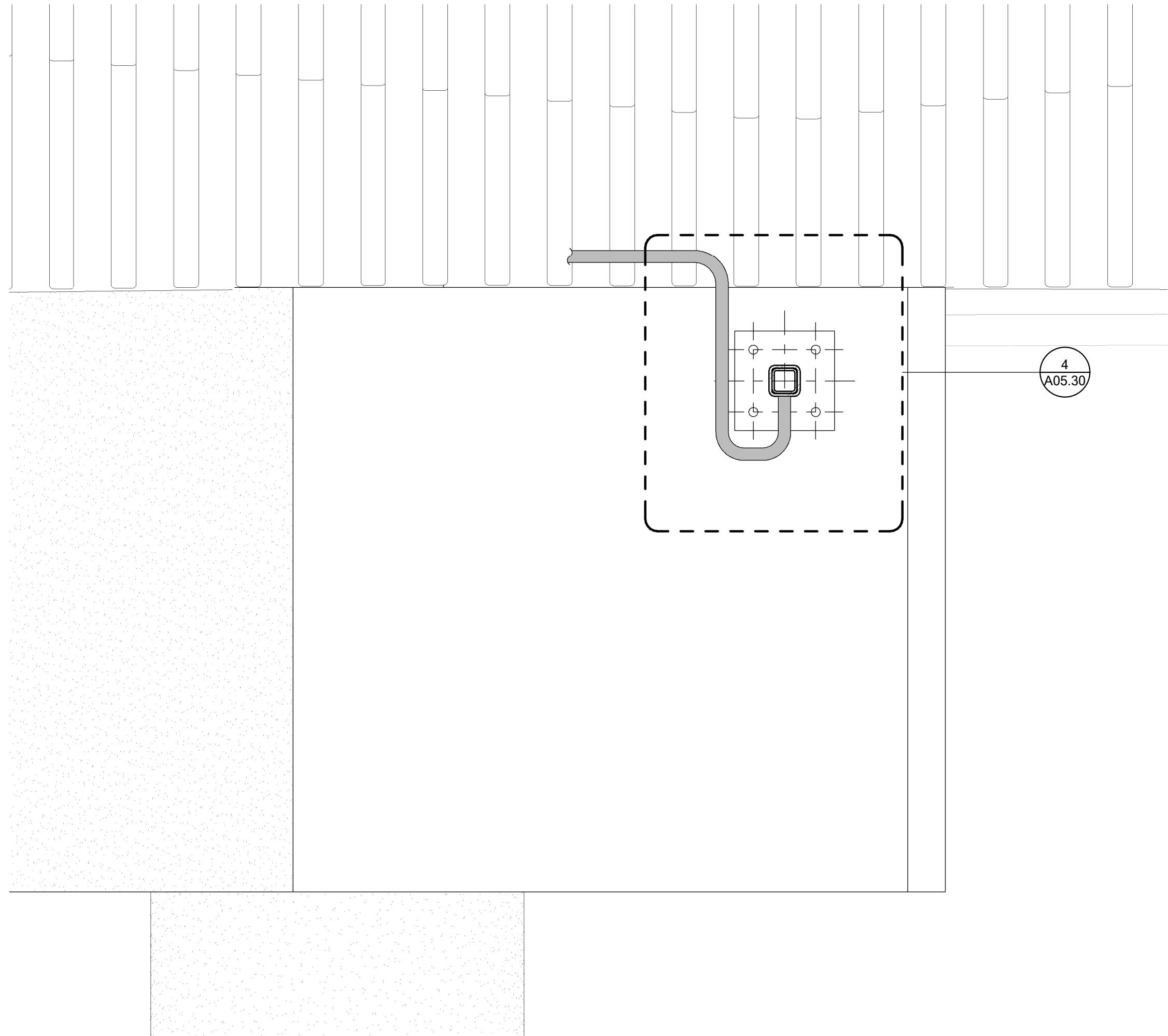
4 LIGHT MOUNT BASE PLATE
SCALE : 3" = 1'-0"



2 SECTION @ SIDE LIGHT SUPPORT
SCALE : 3" = 1'-0"



ELEVATION - DIRECT LIGHT MOUNT - EAST BRIDGE - EAST ABUTMENT



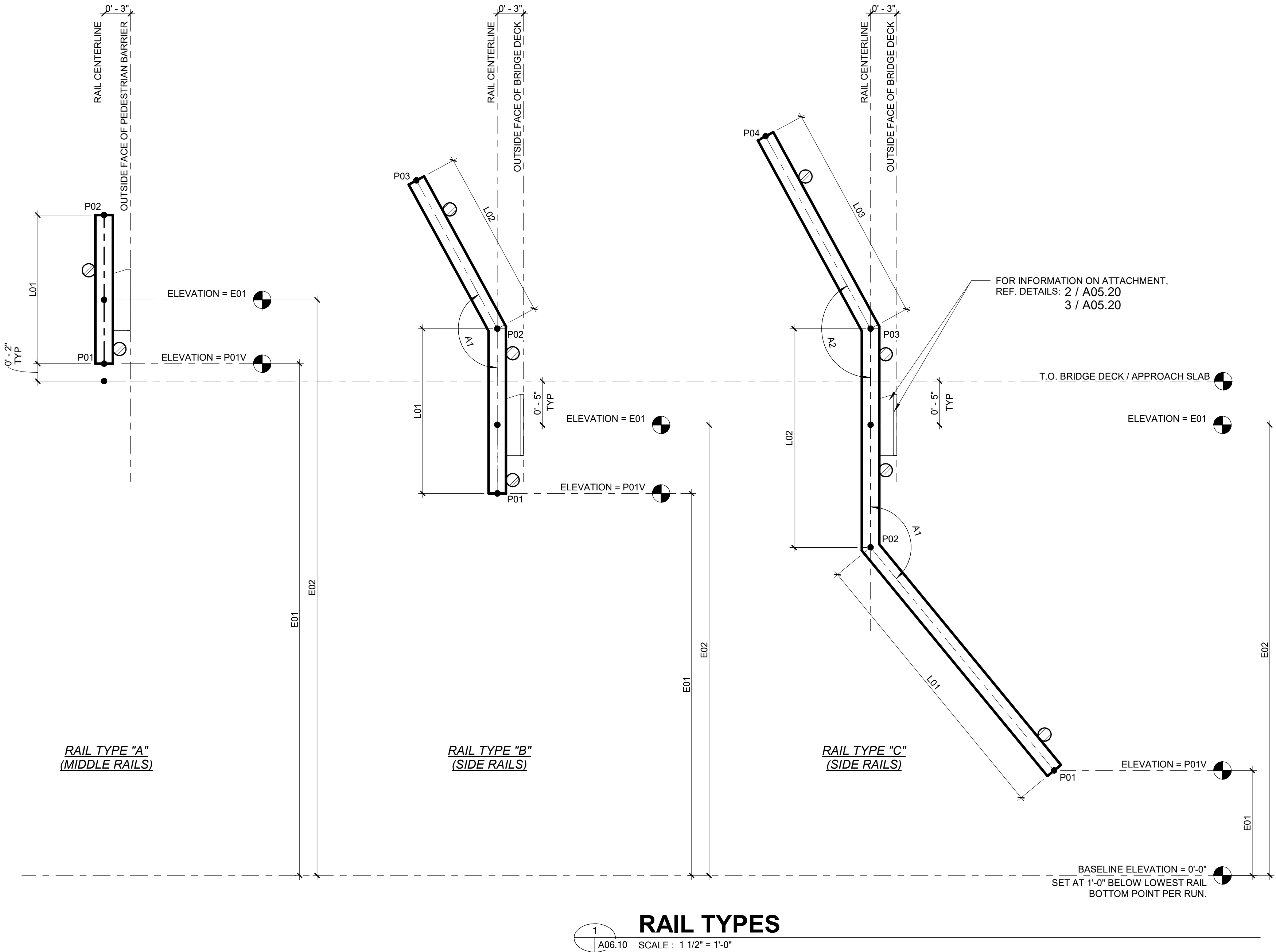
LIGHT MOUNT ELEVATION - W BRIDGE - PIER BEAMS

Plotted 7/29/2020 9:02:07 AM -- BIM 360/12720.62 ParagonStar_Bridges/12720.61_ParagonStar_Bridges_Site.rvt

RAIL "E1" ELEVATIONS SHALL BE USED FOR VERTICAL ALIGNMENT OF MEMBERS DURING SHOP ASSEMBLY.

STATED BASELINE ELEVATION VARIES FOR EACH RAIL RUN AND IS 1'-0" BELOW THE LOWEST POINT OF EACH RAIL RUN.

IF THE CONTRACTOR OPTS TO POUR DECK CROSS SLOPE TO LESS THAN THE DOCUMENTED / IDEALIZED 2%, THE ACTUAL BASELINE ELEVATIONS MAY DIFFER FROM DOCUMENTED ELEVATIONS, BUT *RELATIVE* ELEVATIONS WOULD REMAIN THE SAME. IN THIS EVENT, THE RAIL RUN ELEVATIONS WOULD SIMPLY MOVE UP EN MASSE TO MATCH THE ACTUAL BRIDGE DECK ELEVATION SET ALONG RAIL RUN AXIS.



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WEST BRIDGE PLANS

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REV	DATE	DESCRIPTION

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PROJECT NUMBER	12720.62
DATE	2020.07.29
PLANS FOR FINAL APPROVAL	
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SHEET TITLE

RAIL TYPES

SHEET NUMBER

A06.10

GBA

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Lenexa, KS 66219
913.492.0400
gbateam.com

WEST BRIDGE PLANS

View High Dr, View High Pkwy, River Rd
Lee's Summit, MO

[illegible]

NOT FOR CONSTRUCTION

PROJECT NUMBER
12720.62

DATE _____

PLANS FOR FINAL APPROVAL

SHEET TITLE

**SCHEDULE - BRIDGE W -
RAIL**

100 11

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Architecture COA# A-45

W BRIDGE - N RUN

ID	A01	A02	L01	L02	L03	LTOT	E01
W_N_1	162.028°		0°-6'16"	3°-278"		3°-9"	4°-12
W_N_2	162.028°		0°-6'16"	3°-278"		3°-9"	4°-12
W_N_3	162.000°		0°-7'12"	3°-124"		3°-334"	4°-58
W_N_4	161.983°		0°-8'14"	3°-2		3°-10'14"	4°-58
W_N_5	161.966°		0°-9'56"	3°-134"		3°-10'58"	4°-734
W_N_6	161.947°		0°-9'56"	3°-112"		3°-11'18"	4°-34
W_N_7	161.927°		0°-10'12"	3°-114"		3°-11'58"	4°-778
W_N_8	161.905°		0°-11'14"	3°-078"		4°-0'18"	4°-4
W_N_9	161.883°		1°-0'38"	3°-058"		4°-0'34"	4°-58
W_N_10	161.861°		1°-1'18"	3°-038"		4°-0'58"	4°-58
W_N_11	161.832°		1°-1'34"	3°-018"		4°-1'18"	4°-618
W_N_12	161.805°		1°-2'58"	2°-1134"		4°-2'38"	4°-814
W_N_13	161.776°		1°-3'12"	2°-1112"		4°-3'	4°-814
W_N_14	161.745°		1°-4'12"	2°-1114"		4°-3'58"	4°-838
W_N_15	161.713°		1°-5'38"	2°-1078"		4°-4'38"	4°-838
W_N_16	161.679°		1°-6'38"	2°-1058"		4°-5'	4°-838
W_N_17	161.645°		1°-7'38"	2°-1038"		4°-5'58"	4°-858
W_N_18	161.606°		1°-8'38"	2°-1012"		4°-6'38"	4°-858
W_N_19	161.568°		1°-9'38"	2°-934"		4°-7'18"	4°-834
W_N_20	161.527°		1°-10'12"	2°-912"		4°-7'78"	4°-834
W_N_21	161.484°		1°-11'12"	2°-918"		4°-8'34"	4°-878
W_N_22	161.440°		2°-0'58"	2°-878"		4°-9'12"	4°-878
W_N_23	161.392°		2°-1'34"	2°-858"		4°-10'14"	4°-9
W_N_24	161.345°		2°-2'78"	2°-814"		4°-11'18"	4°-9
W_N_25	161.297°		2°-3'58"	2°-758"		4°-12'18"	4°-918
W_N_26	161.239°		2°-5'14"	2°-734"		5°-0'78"	4°-914
W_N_27	161.183°		2°-6'38"	2°-738"		5°-1'34"	4°-914
W_N_28	161.126°		2°-7'58"	2°-718"		5°-2'34"	4°-938
W_N_29	161.064°		2°-8'58"	2°-634"		5°-3'58"	4°-938
W_N_30	161.002°		2°-10'18"	2°-612"		5°-4'58"	4°-912
W_N_31	160.936°		2°-11'38"	2°-618"		5°-5'58"	4°-912
W_N_32	160.868°		3°-0'34"	2°-578"		5°-6'58"	4°-958
W_N_33	160.797°		3°-1'18"	2°-558"		5°-7'18"	4°-958
W_N_34	160.733°		3°-3'38"	2°-514"		5°-8'58"	4°-934
W_N_35	160.646°		3°-4'34"	2°-5		5°-9'34"	4°-978
W_N_36	160.566°		3°-6'18"	2°-458"		5°-10'78"	4°-978
W_N_37	160.482°		3°-7'58"	2°-438"		5°-11'78"	4°-978
W_N_38	160.396°		3°-9'	2°-4'		5°-11'	4°-10
W_N_39	160.306°		3°-10'12"	2°-334"		5°-12'14"	4°-1018
W_N_40	160.217°		3°-11'12"	2°-338"		5°-12'38"	4°-1018
W_N_41	160.115°		3°-11'12"	2°-338"		5°-12'38"	4°-1018
W_N_42	160.014°		4°-3'	2°-234"		5°-13'34"	4°-1038
W_N_43	159.909°		4°-4'58"	2°-238"		6°-7'	4°-1038
W_N_44	159.800°		4°-6'18"	2°-218"		6°-8'14"	4°-1012
W_N_45	159.686°		4°-7'34"	2°-134"		6°-9'12"	4°-1012
W_N_46	159.568°		4°-9'38"	2°-112"		6°-10'78"	4°-1058
W_N_47	159.445°		4°-11'	2°-118"		7°-0'18"	4°-1058
W_N_48	159.317°		4°-12'12"	2°-078"		7°-0'34"	4°-1034
W_N_49	159.185°		5°-2'38"	2°-012"		7°-2'78"	4°-1034
W_N_50	159.047°		5°-4'	2°-018"		7°-4'14"	4°-1078

W BRIDGE - N RUN

ID	A01	A02	L01	L02	L03	LTOT	E01
W_N_130	142.283	156.995	3 - 0	6 - 2	0 - 11	10 - 114	5 - 418
W_N_131	141.977	156.996	-2 - 11	6	6 - 3	10 - 114	5 - 418
W_N_138	141.990	156.916	-1 - 1134	6 - 258	0 - 1118	10 - 112	5 - 418
W_N_139	141.833	156.874	-2 - 1158	6 - 3	-	10 - 112	5 - 438
W_N_140	141.678	156.780	-2 - 1112	6 - 338	0 - 1078	10 - 134	5 - 438
W_N_141	141.511	156.836	-1 - 1138	6 - 334	0 - 1034	10 - 178	5 - 414
W_N_142	141.334	156.742	-2 - 1114	6 - 418	0 - 1058	10 - 2	5 - 414
W_N_143	141.147	156.688	-2 - 1118	6 - 412	0 - 1012	10 - 218	5 - 414
W_N_144	140.953	156.653	-3 - 1078	6 - 478	0 - 1038	10 - 2	5 - 458
W_N_145	140.767	156.615	-3 - 1034	6 - 538	0 - 1014	10 - 258	5 - 438
W_N_146	140.534	156.562	-2 - 1058	6 - 558	0 - 1018	10 - 12	5 - 434
W_N_147	140.309	156.514	-2 - 1012	6 - 6	-	10 - 258	5 - 434
W_N_148	140.076	156.464	-6 - 1014	6 - 612	0 - 10	10 - 234	5 - 478
W_N_149	139.832	156.419	-5 - 1018	6 - 678	0 - 978	10 - 278	5 - 478
W_N_150	139.577	156.369	-3 - 978	6 - 714	0 - 934	10 - 3	5 - 478
W_N_151	139.311	156.317	-2 - 934	6 - 734	0 - 934	10 - 318	5 - 478
W_N_152	139.045	156.267	-2 - 894	6 - 754	0 - 934	10 - 358	5 - 478
W_N_153	138.778	156.216	-2 - 858	6 - 812	0 - 912	10 - 338	5 - 518
W_N_154	138.486	156.165	-2 - 818	6 - 9	-	10 - 312	5 - 518
W_N_155	138.233	156.113	-2 - 9	6 - 938	0 - 914	10 - 334	5 - 514
W_N_156	137.809	156.056	-6 - 834	6 - 978	0 - 914	10 - 378	5 - 518
W_N_157	137.472	156.006	-8 - 812	6 - 1038	0 - 918	10 - 4	5 - 538
W_N_158	137.120	155.950	-2 - 838	6 - 1034	0 - 9	10 - 418	5 - 538
W_N_159	136.756	155.893	-8 - 818	6 - 1114	0 - 878	10 - 414	5 - 538
W_N_160	136.392	155.836	-2 - 778	6 - 1134	0 - 834	10 - 454	5 - 538
W_N_161	135.984	155.779	-2 - 738	6 - 018	0 - 834	10 - 458	5 - 514
W_N_162	135.575	155.721	-2 - 758	7 - 058	0 - 858	10 - 434	5 - 512
W_N_163	135.122	155.659	-2 - 714	7 - 118	0 - 812	10 - 478	5 - 512
W_N_164	134.711	155.602	-2 - 7	7 - 158	0 - 812	10 - 5	5 - 512
W_N_165	134.254	155.538	-2 - 634	7 - 218	0 - 838	10 - 514	5 - 512
W_N_166	133.779	155.481	-6 - 12	7 - 238	0 - 814	10 - 538	5 - 518
W_N_167	133.288	155.414	-6 - 14	7 - 318	0 - 814	10 - 512	5 - 514
W_N_168	132.799	155.347	-2 - 10	7 - 358	0 - 814	10 - 558	5 - 514
W_N_169	132.249	155.284	-2 - 534	7 - 418	0	10 - 578	5 - 558
W_N_170	131.699	155.222	-2 - 512	7 - 458	0 - 778	10 - 6	5 - 558
W_N_171	131.130	155.157	-5 - 514	7 - 518	0 - 778	10 - 614	5 - 558
W_N_172	130.539	155.088	-2 - 5	7 - 534	0 - 734	10 - 638	5 - 558
W_N_173	129.926	155.023	-2 - 434	7 - 614	0 - 758	10 - 558	5 - 558
W_N_174	129.291	154.955	-2 - 438	7 - 634	0 - 758	10 - 634	5 - 538
W_N_175	128.639	154.887	-2 - 398	7 - 654	0 - 758	10 - 678	5 - 538
W_N_176	127.959	154.820	-3 - 778	7 - 778	0 - 712	10 - 114	5 - 538
W_N_177	127.240	154.742	-2 - 358	7 - 838	0 - 738	10 - 378	5 - 534
W_N_178	126.508	154.668	-2 - 338	7 - 9	0 - 714	10 - 578	5 - 534</

W BRIDGE - N RUN

ID	A01	A02	L01	L02	L03	LTOT	E01
W N 271 C	147.165°	148.250°	3°-4.58"	7°-0°	0°-3.58"	10°-8.18"	5°-6°
W N 272 C	147.168°	148.253°	3°-4.58"	7°-0°	0°-3.58"	10°-8.18"	5°-6°
W N 273 C	147.143°	148.181°	3°-4.12"	7°-0°	0°-3.58"	10°-8.18"	5°-6°
W N 274 C	147.125°	148.156°	3°-4.12"	7°-0°	0°-3.58"	10°-8.18"	5°-6°
W N 275 C	147.103°	148.140°	3°-4.12"	7°-0°	0°-3.58"	10°-8.18"	5°-6°
W N 276 C	147.075°	148.108°	3°-4.12"	7°-0°	0°-3.58"	10°-8.18"	5°-6°
W N 277 C	147.043°	148.094°	3°-4.12"	7°-0.18"	0°-3.58"	10°-8.18"	5°-6°
W N 278 C	147.006°	148.066°	3°-4.38"	7°-0.18"	0°-3.58"	10°-8.18"	5°-6°
W N 279 C	146.965°	148.005°	3°-4.38"	7°-0.18"	0°-3.58"	10°-8.18"	5°-6°
W N 280 C	146.928°	147.968°	3°-4.14"	7°-0.18"	0°-3.58"	10°-8.18"	5°-6°
W N 281 C	146.888°	147.944°	3°-4.14"	7°-0.14"	0°-3.58"	10°-8.18"	5°-78"
W N 282 C	146.813°	147.044°	3°-4.14"	7°-0.14"	0°-3.58"	10°-8.18"	5°-78"
W N 283 C	146.753°	146.040°	3°-4.18"	7°-0.38"	0°-3.58"	10°-8.18"	5°-34"
W N 284 C	146.687°	146.053°	3°-4°	7°-0.38"	0°-3.58"	10°-8.18"	5°-34"
W N 285 C	146.617°	146.052°	3°-4°	7°-0.12"	0°-3.58"	10°-8.18"	5°-34"
W N 286 C	146.541°	146.058°	3°-3.78"	7°-0.12"	0°-3.58"	10°-8.18"	5°-58"
W N 287 C	146.501°	146.059°	3°-3°	7°-0.12"	0°-3.58"	10°-8.18"	5°-58"
W N 288 C	146.476°	146.089°	3°-3.34"	7°-0.58"	0°-3.34"	10°-8.18"	5°-58"
W N 289 C	146.286°	146.105°	3°-3.58"	7°-0.34"	0°-3.34"	10°-8°	5°-12"
W N 290 C	146.190°	146.127°	3°-3.12"	7°-0.34"	0°-3.34"	10°-8°	5°-12"
W N 291 C	146.089°	146.145°	3°-3.38"	7°-0.78"	0°-3.34"	10°-8°	5°-12"
W N 292 C	145.983°	146.180°	3°-3.38"	7°-1°	0°-3.34"	10°-8°	5°-38"
W N 293 C	145.871°	146.212°	3°-3.14"	7°-1°	0°-3.34"	10°-8°	5°-38"
W N 294 C	145.754°	146.249°	3°-3.18"	7°-1.18"	0°-3.34"	10°-8°	5°-38"
W N 295 C	145.631°	146.299°	3°-2°	7°-2.18"	0°-4°	10°-8°	5°-8°
W N 296 C	145.501°	146.312°	3°-2.78"	7°-3.18"	0°-3.78"	10°-8°	5°-14"
W N 297 C	145.366°	146.358°	3°-2.34"	7°-4.12"	0°-3.78"	10°-8°	5°-14"
W N 298 C	145.225°	146.358°	3°-2.58"	7°-5.18"	0°-3.78"	10°-8°	5°-18"
W N 299 C	145.079°	146.448°	3°-2.38"	7°-5.18"	0°-3.78"	10°-8°	5°-18"
W N 300 C	144.926°	146.452°	3°-2.14"	7°-6.34"	0°-3.78"	10°-8°	5°-18"
W N 301 C	144.767°	146.491°	3°-2.18"	7°-7.18"	0°-3.78"	10°-8°	5°-18"
W N 302 C	144.601°	146.599°	3°-2°	7°-8.18"	0°-4°	10°-8°	5°-8°
W N 303 C	144.437°	146.671°	3°-1.78"	7°-9.18"	0°-4°	10°-8°	5°-8°
W N 304 C	144.249°	146.705°	3°-1.58"	7°-12.14"	0°-4°	10°-8°	5°-5°
W N 305 C	144.062°	146.757°	3°-1.12"	7°-2.38"	0°-4°	10°-8°	5°-478"
W N 306 C	143.869°	146.824°	3°-1.14"	7°-2.58"	0°-4°	10°-778"	5°-478"
W N 307 C	143.668°	146.887°	3°-1.18"	7°-2.34"	0°-4.18"	10°-778"	5°-478"
W N 308 C	143.461°	146.946°	3°-1°	7°-2.78"	0°-4.18"	10°-778"	5°-34"
W N 309 C	143.245°	147.019°	3°-0.34"	7°-3°	0°-4.18"	10°-778"	5°-434"
W N 310 C	143.027°	147.058°	3°-0.38"	7°-3.38"	0°-4.14"	10°-778"	5°-434"
W N 311 C	142.791°	147.152°	3°-0.38"	7°-3.38"	0°-4.14"	10°-778"	5°-434"
W N 312 C	142.552°	147.221°	3°-0.18"	7°-3.12"	0°-4.14"	10°-778"	5°-458"
W N 313 C	142.303°	147.265°	3°-0°	7°-3.58"	0°-4.14"	10°-778"	5°-458"
W N 314 C	142.047°	147.364°	3°-11.34"	7°-3.78"	0°-4.14"	10°-778"	5°-412"
W N 315 C	141.780°	147.447°	3°-11.12"	7°-4°	0°-4.38"	10°-778"	5°-412"
W N 316 C	141.505°	147.516°	3°-11.38"	7°-4.14"	0°-4.38"	10°-778"	5°-412"
W N 317 C	141.221°	147.590°	3°-11.18"	7°-4.38"	0°-4.38"	10°-778"	5°-348"
W N 318 C	140.937°	147.663°	3°-11.18"	7°-4.38"	0°-4.38"	10°-778"	5°-418"
W N 319 C	140.623°	147.757°	3°-10.58"	7°-4.34"	0°-4.12"	10°-778"	5°-438"
W N 320 C	140.308°	147.834°	3°-10.12"	7°-5°	0°-4.12"	10°-778"	5°-38"
W N 321 C	139.983°	147.902°	3°-10.14"	7°-5.18"	0°-4.12"	10°-778"	5°-414"
W N 322 C	139.648°	147.997°	3°-10°	7°-5.38"	0°-4.58"	10°-778"	5°-414"
W N 323 C	139.301°	148.080°	3°-9.34"	7°-5.12"	0°-4.58"	10°-778"	5°-414"
W N 324 C	138.941°	148.155°	3°-9.12"	7°-5.34"	0°-4.58"	10°-778"	5°-418"
W N 325 C	138.571°	148.250°	3°-9.14"	7°-5.38"	0°-4.58"	10°-778"	5°-418"
W N 326 C	138.197°	148.347°	3°-8.58"	7°-6.18"	0°-4.34"	10°-778"	5°-418"
W N 327 C	137.790°	148.410°	3°-8.34"	7°-6.38"	0°-4.34"	10°-8°	5°-4°
W N 328 C	137.381°	148.459°	3°-8.12"	7°-6.58"	0°-4.78"	10°-8°	5°-4°
W N 329 C	136.958°	148.583°	3°-8.14"	7°-6.78"	0°-4.78"	10°-8°	5°-4°
W N 330 C	136.520°	148.671°	3°-8°	7°-7.18"	0°-4.78"	10°-8°	5°-378"
W N 331 C	136.068°	148.761°	3°-7.34"	7°-7.38"	0°-5°	10°-8°	5°-378"
W N 332 C	135.631°	148.839°	3°-7.12"	7°-7.58"	0°-5°	10°-8°	5°-378"
W N 333 C	135.187°	148.927°	3°-6.58"	7°-7.78"	0°-5°	10°-8°	5°-378"
W N 334 C	134.611°	148.018°	3°-6.78"	7°-8.18"	0°-5.18"	10°-8.18"	5°-34"
W N 335 C	134.103°	148.098°	3°-6.58"	7°-8.38"	0°-5.18"	10°-8.18"	5°-34"
W N 336 C	133.570°	148.193°	3°-6.38"	7°-8.58"	0°-5.14"	10°-8.18"	5°-338"
W N 337 C	133.018°	148.278°	3°-6.18"	7°-8.78"	0°-5.14"	10°-8.18"	5°-358"
W N 338 C	132.448°	148.365°	3°-5.78"	7°-8.18"	0°-5.38"	10°-8.14"	5°-358"
W N 339 C	131.861°	148.454°	3°-5.12"	7°-9.38"	0°-5.38"	10°-8.14"	5°-312"
W N 340 C	131.252°	148.552°	3°-5.14"	7°-9.58"	0°-5.38"	10°-8.38"	5°-312"
W N 341 C	130.627°	148.625°	3°-5.2°	7°-9.58"	0°-5.78"	10°-8.78"	5°-3°
W N 342 C	129.993°	148.714°	3°-4.34"	7°-10.14"	0°-5.12"	10°-8.38"	5°-338"
W N 343 C	129.299°	148.799°	3°-4.38"	7°-10.12"	0°-5.58"	10°-8.12"	5°-34"
W N 344 C	128.605°	148.879°	3°-4.18"	7°-10.34"	0°-5.58"	10°-8.12"	5°-314"
W N 345 C	127.886°	148.967°	3°-3.78"	7°-11°	0°-5.34"	10°-8.58"	5°-318"
W N 346 C	127.143°	150.057°	3°-3.58"	7°-11.38"	0°-5.34"	10°-8.34"	5°-318"
W N 347 C	126.377°	150.153°	3°-3.38"	7°-11.58"	0°-5.78"	10°-8.34"	5°-318"
W N 348 C	125.581°	150.225°	3°-3°	7°-11.58"	0°-5.78"	10°-8.78"	5°-3°
W N 349 C	124.880°	150.293°	3°-2.78"	7°-8°	0°-5.14"	10°-8.18"	5°-34"
W N 350 C	124.152°	150.334°	3°-2.58"	8°-0.12°	0°-6°	9°-9.18"	5°-278"
W N 351 C	123.399°	150.480°	3°-2.38"	8°-0.78°	0°-6.18"	9°-9.14"	5°-278"
W N 352 C	122.623°	150.557°	3°-2.18"	8°-1.14°	0°-6.18"	9°-9.12"	5°-234"
W N 353 C	121.822°	150.641°	3°-1.78"	8°-1.12°	0°-6.14"	10°-9.58"	5°-234"
W N 354 C	121.955°	150.726°	3°-1.78"	8°-1.38"	0°-6.14"	9°-9.12"	5°-258"
W N 355 C	122.886°	150.806°	3°-2.14"	8°-0.34"	0°-6.38"	9°-9.14"	5°-258"
W N 356 C	123.819°	150.887°	3°-2.38"	8°-0.38"	0°-6.38"	9°-9.18"	5°-258"
W N 357 C	124.757°	150.969°	3°-2.34"	7°-11.12"	0°-6.12"	10°-8.34"	5°-12"
W N 358 C	125.415°	151.049°	3°-2°	7°-11.1°	0°-6.12"	10°-8.12"	5°-238"
W N 359 C	126.206°	151.126°	3°-3.14"	7°-10.38"	0°-6.58"	8°-8.14"	5°-238"
W N 360 C	126.968°	151.208°	3°-3.12"	7°-9.34"	0°-6.58"	8°-8°	5°-214"
W N 361 C	127.703°	151.282°	3°-3.14"	7°-9.14"	0°-6.34"	10°-7.34"	5°-214"
W N 362 C	128.412°	151.362°	3°-4.18"	7°-8.58"	0°-6.78"	10°-7.12"	5°-218"
W N 363 C	129.096°	151.438°	3°-4.38"	7°-8.18"	0°-6.78"	10°-7.38"	5°-218"
W N 364 C	129.759°	151.519°	3°-4.38"	7°-7.78"	0°-6.78"	10°-7.38"	5°-218"
W N 365 C	130.391°	151.588°	3°-4.78"	7°-7°	0°-7°	10°-6.78"	5°-2°
W N 366 C	131.005°	151.667°	3°-5.18"	7°-6.38"	0°-7.18"	10°-6.34"	5°-2°
W N 367 C	131.596°	151.743°	3°-5.38"	7°-5.78"	0°-7.14"	10°-6.12"	5°-178"
W N 368 C	132.166°	151.819°	3°-5.58"	7°-5.38"	0°-7.14"	10°-6.38"	5°-178"
W N 369 C	132.716°	151.887°	3°-6°	7°-4.78"	0°-7.38"	10°-6.18"	5°-134"
W N 370 C	133.246°	151.961°	3°-6.14"	7°-4.18"	0°-7.38"	10°-6°	5°-134"
W N 371 C	133.758°	152.031°	3°-6.12"	7°-3.78"	0°-7.12"	10°-5.58"	5°-118"
W N 372 C	134.253°	152.093°	3°-6.12"	7°-3.14"	0°-7.18"	10°-5.58"	5°-118"
W N 373 C	134.725°	152.179°	3°-7°	7°-2.34"	0°-7.58"	10°-5.58"	5°-118"
W N 374 C	135.183°	152.247°	3°-7.14"	7°-2.14"	0°-7.34"	10°-5.14"	5°-112"
W N 375 C	135.624°	152.317°	3°-7.12"	7°-1.34"	0°-7.78"	10°-5°	5°-138"
W N 376 C	136.049°	152.387°	3°-7.34"	7°-1.14"	0°-7.78"	10°-4.78"	5°-138"
W N 377 C	136.458°	152.454°	3°-7.78"	7°-0.34"	0°-8°	10°-4.34"	5°-134"
W N 378 C	136.853°	152.521°	3°-8.18"	7°-0.14"	0°-8.18"	10°-4.58"	5°-114"
W N 379 C	137.233°	152.588°	3°-8.38"	6°-0.38"	0°-8.18"	10°-4.58"	5°-118"
W N 380 C	137.592°	152.655°	3°-8.58"	6°-1.38"	0°-8.14"	10°-4.14"	5°-118"
W N 381 C	137.949°	152.721°	3°-8.78"	6°-10.78"	0°-8.38"	10°-4.18"	5°-118"
W N 382 C	138.289°	152.784°	3°-9.18"	6°-10.38"	0°-8.12"	10°-3.78"	5°-1°
W N 383 C	138.615°	152.847°	3°-9.14"	6°-10°	0°-8.12"	10°-3.34"	5°-1°
W N 384 C	138.930°	152.911°	3°-9.12"	6°-9.12"	0°-8.58"	10°-3.58"	5°-078"
W N 385 C	139.232°	152.976°	3°-9.34"	6°-8.18"	0°-8.34"	10°-3.12"	5°-078"
W N 386 C	139.520°	153.037°	3°-9.78"	6°-6.58"	0°-8.34"	10°-3.38"	5°-034"
W N 387 C	139.791°	153.098°	3°-10.18"	6°-5.18"	0°-8.34"	10°-3.38"	5°-034"
W N 388 C	140.066°	153.153°	3°-10.14"	6°-7.34"	0°-9°	10°-3°	5°-058"
W N 389 C	140.322°	153.223°	3°-10.12"	6°-7.38"	0°-9.18"	10°-2.78"	5°-058"
W N 390 C	140.568°	153.283°	3°-10.58"	6°-6.78"	0°-9.14"	10°-2.34"	5°-012"
W N 391 C	140.804°	153.341°	3°-10.34"	6°-6.12"	0°-9.14"	10°-2.58"	5°-012"
W N 392 C	141.030°	153.399°	3°-11°	6°-6.18"	0°-9.38"	10°-2.12"	5°-038"
W N 393 C	141.246°	153.458°	3°-11.18"	6°-5.34"			

W BRIDGE - N RUN

ID	A01	A02	L01	L02	L03	LTOT	E01
W 406 C	143.263	154.160 ¹	3'-0.34"	6'-0.78"	0'-10.78"	10'-0.12"	4'-11.38"
W 407 C	143.264	154.210 ¹	3'-0.34"	6'-0.78"	0'-11"	10'-0.12"	4'-11.38"
W 408 C	143.458	154.257 ¹	3'-1"	6'-0.14"	0'-11"	10'-0.14"	4'-11.14"
W 409 C	143.541	154.306 ¹	3'-1"	6'-0"	0'-11.14"	10'-0.18"	4'-11.14"
W 410 C	143.619	154.357 ¹	3'-1.18"	5'-11.58"	0'-11.14"	10'-0"	4'-11"
W 411 C	143.691	154.406 ¹	3'-1.18"	5'-11.38"	0'-11.38"	9'-11.78"	4'-11"
W 412 C	143.756	154.457 ¹	3'-1.14"	5'-11"	0'-11.38"	9'-11.34"	4'-10.78"
W 413 C	143.813	154.490 ¹	3'-1.14"	5'-10.34"	0'-11.58"	9'-11.58"	4'-10.34"
W 414 C	143.863	154.544 ¹	3'-1.14"	5'-10.38"	0'-11.34"	9'-11.12"	4'-10.38"
W 415 C	143.907	154.592 ¹	3'-1.38"	5'-10.18"	0'-11.78"	9'-11.38"	4'-10.38"
W 416 C	143.944	154.635 ¹	3'-1.38"	5'-9.78"	0'-11"	9'-11.14"	4'-10.12"
W 417 C	143.974	154.679 ¹	3'-1.38"	5'-9.58"	0'-11.04"	9'-11.18"	4'-10.38"
W 418 C	143.997	154.725 ¹	3'-1.38"	5'-9.14"	0'-10.14"	9'-11"	4'-10.38"
W 419 C	144.014	154.769 ¹	3'-1.12"	5'-9"	0'-10.38"	9'-10.78"	4'-10.18"
W 420 C	144.024	154.811 ¹	3'-1.12"	5'-8.34"	0'-11.38"	9'-10.58"	4'-10.18"
W 421 C	144.028	154.854 ¹	3'-1.12"	5'-8.12"	0'-10.58"	9'-10.12"	4'-10.18"
W 422 C	144.039	154.897 ¹	3'-1.12"	5'-8.34"	0'-10.38"	9'-10.38"	4'-10.38"
W 423 C	144.015	154.837 ¹	3'-1.12"	5'-8"	0'-10.78"	9'-10.14"	4'-9.78"
W 424 C	143.998	154.879 ¹	3'-1.38"	5'-7.34"	0'-11"	9'-10.18"	4'-9.78"
W 425 C	143.976	154.920 ¹	3'-1.38"	5'-7.12"	0'-11.18"	9'-10"	4'-9.34"
W 426 C	143.945	155.062 ¹	3'-1.38"	5'-7.38"	0'-11.18"	9'-9.78"	4'-9.58"
W 427 C	143.909	155.100 ¹	3'-1.38"	5'-7.18"	0'-11.34"	9'-9.34"	4'-9.58"
W 428 C	143.866	155.140 ¹	3'-1.14"	5'-6.78"	0'-11.12"	9'-9.58"	4'-9.12"
W 429 C	143.816	155.178 ¹	3'-1.14"	5'-6.58"	0'-11.58"	9'-9.12"	4'-9.38"
W 430 C	143.800	155.213 ¹	3'-0.58"	5'-5"	0'-12.34"	9'-8.38"	4'-9.38"
W 431 C	143.695	155.296 ¹	3'-1.18"	5'-6.14"	0'-11.78"	9'-9.14"	4'-9.14"
W 432 C	143.624	155.253 ¹	3'-1.18"	5'-6"	0'-12"	9'-9.18"	4'-9.18"
W 433 C	143.548	155.331 ¹	3'-1"	5'-5.78"	0'-12.18"	9'-9"	4'-9.18"
W 434 C	143.461	155.369 ¹	3'-1"	5'-5.58"	0'-12.14"	9'-8.78"	4'-9"
W 435 C	143.369	155.405 ¹	0'-0.78"	5'-5.12"	0'-12.38"	9'-8.34"	4'-8.78"
W 436 C	143.270	155.441 ¹	0'-3.04"	5'-5.38"	0'-2.12"	9'-8.58"	4'-8.34"
W 437 C	143.162	155.476 ¹	0'-3.04"	5'-5.18"	0'-2.58"	9'-8.12"	4'-8.34"
W 438 C	143.050	155.513 ¹	0'-5.08"	5'-5"	0'-3.34"	9'-7.38"	4'-8.34"
W 439 C	142.927	155.548 ¹	0'-10.12"	5'-4.78"	0'-2.78"	9'-6.14"	4'-8.12"
W 440 C	142.797	155.582 ¹	0'-3.08"	5'-4.58"	0'-1"	9'-6.18"	4'-8.12"
W 441 C	142.660	155.618 ¹	0'-1.04"	5'-4.12"	0'-1.38"	9'-8"	4'-8.38"
W 442 C	142.515	155.650 ¹	0'-1.08"	5'-4.38"	0'-1.38"	9'-7.78"	4'-8.14"
W 443 C	142.360	155.684 ¹	3'-0"	5'-4.14"	0'-3.12"	9'-7.34"	4'-8.14"
W 444 C	142.199	155.717 ¹	0'-11.78"	5'-4.18"	0'-3.58"	9'-7.58"	4'-8.18"
W 445 C	142.039	155.750 ¹	0'-11.38"	5'-3.34"	0'-4.18"	9'-7.18"	4'-8.18"
W 446 C	141.848	155.784 ¹	0'-11.58"	5'-3.78"	0'-3.78"	9'-7.38"	4'-8"
W 447 C	141.660	155.816 ¹	0'-11.12"	5'-3.34"	0'-4"	9'-7.14"	4'-7.78"
W 448 C	141.462	155.846 ¹	0'-11.14"	5'-3.58"	0'-4.18"	9'-7.18"	4'-7.34"
W 449 C	141.256	155.879 ¹	0'-11.18"	5'-3.12"	0'-4.38"	9'-7"	4'-7.34"
W 450 C	141.040	155.909 ¹	2'-11"	5'-3.38"	0'-4.12"	9'-6.78"	4'-7.58"
W 451 C	140.815	155.942 ¹	0'-10.78"	5'-3.14"	0'-4.58"	9'-6.34"	4'-7.12"
W 452 C	140.579	155.972 ¹	0'-10.58"	5'-3.14"	0'-4.34"	9'-6.58"	4'-7.12"
W 453 C	140.369	156.001 ¹	0'-10.58"	5'-3.34"	0'-4.78"	9'-6.18"	4'-7.12"
W 454 C	140.076	156.032 ¹	0'-10.14"	5'-3"	0'-5"	9'-5.38"	4'-7.14"
W 455 C	139.803	156.061 ¹	0'-10.18"	5'-3"	0'-5.14"	9'-6.14"	4'-7.18"
W 456 C	139.531	156.090 ¹	0'-9.78"	5'-2.78"	0'-5.38"	9'-6.18"	4'-7.18"
W 457 C	139.241	156.120 ¹	0'-9.34"	5'-2.78"	0'-5.12"	9'-6"	4'-7.14"
W 458 C	138.939	156.148 ¹	0'-9.12"	5'-2.34"	0'-5.18"	9'-5.78"	4'-6.78"
W 459 C	138.626	156.176 ¹	0'-9.14"	5'-2.34"	0'-5.78"	9'-5.34"	4'-6.34"
W 460 C	138.299	156.204 ¹	0'-9.18"	5'-2.58"	0'-5"	9'-5.18"	4'-6.58"
W 461 C	137.969	156.232 ¹	0'-9.18"	5'-2.58"	0'-5.18"	9'-4.78"	4'-6.58"
W 462 C	137.608	156.261 ¹	0'-8.58"	5'-2.58"	0'-6.14"	9'-5.12"	4'-6.12"
W 463 C	137.242	156.288 ¹	0'-8.38"	5'-2.12"	0'-6.12"	9'-5.38"	4'-6.38"
W 464 C	136.863	156.315 ¹	0'-8.18"	5'-2.12"	0'-6.58"	9'-5.14"	4'-6.18"
W 465 C	136.467	156.341 ¹	0'-8"	5'-2.12"	0'-6.34"	9'-5.18"	4'-6.18"
W 466 C	136.059	156.368 ¹	0'-7.34"	5'-2.12"	0'-6.78"	9'-5.18"	4'-6"
W 467 C	135.632	156.394 ¹	0'-7.12"	5'-2.12"	0'-7.18"	9'-5"	4'-5.78"
W 468 C	135.199	156.419 ¹	0'-7.14"	5'-2.12"	0'-7.14"	9'-4.78"	4'-5.78"
W 469 C	134.731	156.446 ¹	0'-7.18"	5'-2.12"	0'-7.58"	9'-4.78"	4'-5.58"
W 470 C	134.256	156.470 ¹	0'-6.34"	5'-2.12"	0'-7.58"	9'-4.34"	4'-5.14"
W 471 C	133.761	156.495 ¹	0'-6.12"	5'-2.12"	0'-7.34"	9'-4.58"	4'-5.38"
W 472 C	133.250	156.521 ¹	0'-6.14"	5'-2.12"	0'-7.78"	9'-4.58"	4'-5.38"
W 473 C	132.718	156.545 ¹	0'-6"	5'-2.12"	0'-8"	9'-4.12"	4'-5.14"
W 474 C	132.168	156.569 ¹	0'-5.58"	5'-2.12"	0'-8.14"	9'-4.38"	4'-5.18"
W 475 C	131.595	156.594 ¹	0'-5.38"	5'-2.12"	0'-8.38"	9'-4.38"	4'-5"
W 476 C	131.009	156.619 ¹	0'-5.18"	5'-2.58"	0'-8.12"	9'-4.18"	4'-5.18"
W 477 C	130.396	156.644 ¹	0'-4.78"	5'-2.58"	0'-8.34"	9'-4.14"	4'-4.78"
W 478 C	129.747	156.665 ¹	0'-4.58"	5'-2.58"	0'-8.78"	9'-4.18"	4'-4.58"
W 479 C	129.095	156.688 ¹	0'-4.38"	5'-2.34"	0'-9.18"	9'-4.18"	4'-4.12"
W 480 C	128.398	156.711 ¹	0'-4.18"	5'-2.34"	0'-9.14"	9'-4.18"	4'-4.38"
W 481 C	127.687	156.734 ¹	0'-3.34"	5'-2.78"	0'-9.38"	9'-4"	4'-4.14"
W 482 C	126.948	156.756 ¹	0'-3.12"	5'-2.78"	0'-9.58"	9'-4"	4'-4.14"
W 483 C	126.182	156.778 ¹	0'-3.14"	5'-3"	0'-9.34"	9'-4"	4'-4.18"
W 484 C	125.399	156.801 ¹	0'-2.58"	5'-3.18"	0'-9.78"	9'-4"	4'-4.18"
W 485 C	124.565	156.822 ¹	0'-2.34"	5'-3.18"	0'-10.18"	9'-4.38"	4'-4.18"
W 486 C	123.713	156.844 ¹	0'-2.12"	5'-3.14"	0'-10.14"	9'-4"	4'-4.34"
W 487 C	122.831	156.865 ¹	0'-2.18"	5'-3.14"	0'-10.12"	9'-4"	4'-3.58"
W 488 C	121.915	157.054 ¹	0'-1.78"	5'-3.14"	0'-10.34"	9'-4"	4'-3.12"
W 489 B	157.281	155"	5'-3.18"	1'-11.18"		7'-2.14"	4'-3.14"
W 490 B	157.498	155"	5'-1.38"	1'-11.12"		7'-0.78"	4'-3.14"
W 491 B	157.769	155"	4'-11.38"	1'-11.18"		6'-11.38"	4'-3.14"
W 492 B	157.910	155"	4'-11.38"	0'-10.14"		6'-11.38"	4'-3.18"
W 493 B	158.103		4'-7.78"	0'-5.08"		6'-8.12"	4'-3"
W 494 B	158.289		4'-6.18"	0'-2.1"		6'-8.12"	4'-2.78"
W 495 B	158.468		4'-4.38"	0'-1.38"		6'-5.34"	4'-2.34"
W 496 B	158.640		4'-2.58"	0'-1.34"		6'-4.12"	4'-2.58"
W 497 B	158.804		4'-1"	0'-2.18"		6'-3.18"	4'-2.12"
W 498 B	158.964		3'-11.14"	0'-2.12"		6'-1.78"	4'-2.38"
W 499 B	159.117		3'-9.58"	0'-2.78"		6'-0.58"	4'-2.14"
W 500 B	159.284 ¹		3'-8"	0'-3.14"		5'-11.38"	4'-2.18"
W 501 B	159.406		3'-6.12"	0'-3.58"		5'-10.18"	4'-2.18"
W 502 B	159.543 ¹		3'-4.78"	0'-2.4"		5'-8.78"	4'-2"
W 503 B	159.674 ¹		3'-3.38"	0'-4.38"		5'-7.34"	4'-1.78"
W 504 B	159.801 ¹		3'-1.78"	0'-4.34"		5'-6.58"	4'-1.4"
W 505 B	159.923 ¹		3'-0.38"	0'-5.18"		5'-5.12"	4'-1.58"
W 506 B	160.042 ¹		2'-5.12"	0'-5.12"		5'-4.12"	4'-1.12"
W 507 B	160.163 ¹		2'-5.58"	0'-5.18"		5'-3.18"	4'-1.12"
W 508 B	160.265		2'-6.18"	0'-6.14"		5'-2.38"	4'-1.14"
W 509 B	160.370		2'-6.78"	0'-6.12"		5'-1.38"	4'-1.18"
W 510 B	160.472 ¹		2'-5.12"	0'-6.78"		5'-0.38"	4'-1.14"
W 511 B	160.570 ¹		2'-4.18"	0'-7.14"		4'-11.38"	4"
W 512 B	160.664 ¹		2'-2.78"	0'-7.58"		4'-10.12"	4'-0.78"
W 513 B	160.756 ¹		2'-1.58"	0'-8"		4'-9.58"	4'-0.34"
W 514 B	160.843 ¹		2'-1.18"	0'-8.38"		4'-9.58"	4'-0.58"
W 515 B	160.929 ¹		0'-11.14"	0'-8.58"		4'-7.78"	4'-0.18"
W 516 B	161.011 ¹		0'-1.10"	0'-9"		4'-7.18"	4'-0.38"
W 517 B	161.099 ¹		0'-8.78"	0'-9.38"		4'-6.14"	4'-0.14"
W 518 B	161.166 ¹		0'-7.34"	0'-9.34"		4'-5.12"	4'-0.14"
W 519 B	161.239 ¹		0'-6.58"	0'-10.18"		4'-4.34"	4'-0.18"
W 520 B	161.317 ¹		0'-5.58"	0'-10.38"		4'-4"	4"
W 521 B	161.398 ¹		0'-4.58"	0'-10.34"		4'-3.38"	4'-1.78"
W 522 B	161.443 ¹		0'-3.12"	0'-11.18"		4'-2.58"	4'-1.34"
W 523 B	161.507 ¹		0'-2.58"	0'-11.12"		4'-2"	4'-1.58"
W 524 B	161.567 ¹		0'-1.58"	0'-11.34"		4'-1.38"	4'-1.34"
W 525 B	161.626 ¹		0'-0.58"	0'-0.18"		4'-0.78"	4'-1.18"
W 526 B	161.683 ¹		0'-0.134"	0'-0.12"		4'-0.14"	4'-1.14"
W 527 B	161.737 ¹		0'-0.1078"	0'-0.78"		3'-11.34"	4'-1.14"
W 528 B	161.790 ¹		0'-0.10"	0'-1.38"		3'-11.34"	4'-1.18"
W 529 B	161.840 ¹		0'-5.6"	0'-3.12"		3'-10.34"	3'-1"
W 530 B	161.890 ¹		0'-5.12"	0'-3.78"		3'-10.34"	3'-0.34"
W 531 B	161.935		0'-5.58"	0'-2.18"		3'-9.14"	3'-0.78"
W 532 B	161.980 ¹		0'-6.78"	0'-2.12"		3'-9.38"	3'-0.58"
W 533 B	162.022 ¹		0'-6.18"	0'-2.78"		3'-9"	3'-1.02"
Grand Total: 533							

W BRIDGE - M RUN							
ID	A01	A02	L01	L02	L03	LTOT	E01
W_M_1_A			0'-4.18"	1'-10.14"	1'-10.14"	4'-0.12"	1'-8.12"
W_M_2_A			0'-4.58"	1'-10.14"	1'-10.14"	4'-1.1"	1'-8.78"
W_M_3_A			0'-5.18"	1'-10.14"	1'-10.14"	4'-1.58"	1'-9.18"
W_M_4_A			0'-5.34"	1'-10.14"	1'-10.14"	4'-2.18"	1'-9.12"
W_M_5_A			0'-6.14"	1'-10.14"	1'-10.14"	4'-2.58"	1'-9.78"
W_M_6_A			0'-6.34"	1'-10.14"	1'-10.14"	4'-3.18"	1'-10.18"
W_M_7_A			0'-7.14"	1'-10.14"	1'-10.14"	4'-3.78"	1'-10.78"
W_M_8_A			0'-7.34"	1'-10.14"	1'-10.14"	4'-4.14"	1'-10.78"
W_M_9_A			0'-8.38"	1'-10.14"	1'-10.14"	4'-4.34"	1'-11.18"
W_M_10_A			0'-8.78"	1'-10.14"	1'-10.14"	4'-5.14"	1'-11.12"
W_M_11_A			0'-9.38"	1'-10.14"	1'-10.14"	4'-5.34"	1'-11.78"
W_M_12_A			0'-9.78"	1'-10.14"	1'-10.14"	4'-6.38"	2'-0.18"
W_M_13_A			0'-10.12"	1'-10.14"	1'-10.14"	4'-6.78"	2'-0.12"
W_M_14_A			0'-1.1"	1'-10.14"	1'-10.14"	4'-7.38"	2'-0.78"
W_M_15_A			0'-11.12"	1'-10.14"	1'-10.14"	4'-7.78"	2'-1.14"
W_M_16_A			1'-0"	1'-10.14"	1'-10.14"	4'-8.12"	2'-1.12"
W_M_17_A			1'-0.12"	1'-10.14"	1'-10.14"	4'-9.34"	2'-1.78"
W_M_18_A			1'-1.18"	1'-10.14"	1'-10.14"	4'-9.12"	2'-2.14"
W_M_19_A			1'-1.58"	1'-10.14"	1'-10.14"	4'-10"	2'-2.12"
W_M_20_A			1'-2.18"	1'-10.14"	1'-10.14"	4'-10.12"	2'-2.78"
W_M_21_A			1'-2.58"	1'-10.14"	1'-10.14"	4'-11.18"	2'-3.38"
W_M_22_A			1'-3.14"	1'-10.14"	1'-10.14"	4'-11.58"	2'-3.12"
W_M_23_A			1'-3.34"	1'-10.14"	1'-10.14"	5'-0.18"	2'-3.78"
W_M_24_A			1'-4.14"	1'-10.14"	1'-10.14"	5'-0.58"	2'-4.14"
W_M_25_A			1'-4.34"	1'-10.14"	1'-10.14"	5'-1.14"	2'-4.58"
W_M_26_A			1'-5.38"	1'-10.14"	1'-10.14"	5'-1.34"	2'-4.78"
W_M_27_A			1'-5.78"	1'-10.14"	1'-10.14"	5'-2.14"	2'-5.14"
W_M_28_A			1'-6.38"	1'-10.14"	1'-10.14"	5'-2.34"	2'-5.58"
W_M_29_A			1'-6.78"	1'-10.14"	1'-10.14"	5'-3.14"	2'-5.78"
W_M_30_A			1'-7.38"	1'-10.14"	1'-10.14"	5'-3.78"	2'-6.14"
W_M_31_A			1'-8"	1'-10.14"	1'-10.14"	5'-4.38"	2'-6.58"
W_M_32_A			1'-8.12"	1'-10.14"	1'-10.14"	5'-4.78"	2'-6.78"
W_M_33_A			1'-9"	1'-10.14"	1'-10.14"	5'-5.38"	2'-7.14"
W_M_34_A			1'-9.12"	1'-10.14"	1'-10.14"	5'-6"	2'-7.58"
W_M_35_A			1'-10.18"	1'-10.14"	1'-10.14"	5'-6.12"	2'-8"
W_M_36_A			1'-10.58"	1'-10.14"	1'-10.14"	5'-7"	2'-8.14"
W_M_37_A			1'-11.18"	1'-10.14"	1'-10.14"	5'-7.12"	2'-8.58"
W_M_38_A			1'-11.58"	1'-10.14"	1'-10.14"	5'-8.18"	2'-9"
W_M_39_A			2'-0.18"	1'-10.14"	1'-10.14"	5'-8.58"	2'-9.14"
W_M_40_A			2'-0.34"	1'-10.14"	1'-10.14"	5'-9.18"	2'-9.58"
W_M_41_A			2'-1.14"	1'-10.14"	1'-10.14"	5'-9.58"	2'-10"
W_M_42_A			2'-1.34"	1'-10.14"	1'-10.14"	5'-10.38"	2'-10.14"
W_M_43_A			2'-2.14"	1'-10.14"	1'-10.14"	5'-11.18"	2'-10.58"
W_M_44_A			2'-2.78"	1'-10.14"	1'-10.14"	5'-11.14"	2'-11"
W_M_45_A			2'-3.38"	1'-10.14"	1'-10.14"	5'-11.34"	2'-11.14"
W_M_46_A			2'-3.78"	1'-10.14"	1'-10.14"	6'-0.14"	2'-11.58"
W_M_47_A			2'-4.38"	1'-10.14"	1'-10.14"	6'-0.78"	2'-11.78"
W_M_48_A			2'-5"	1'-10.14"	1'-10.14"	6'-1.38"	3'-0.14"
W_M_49_A			2'-5.12"	1'-10.14"	1'-10.14"	6'-1.78"	3'-0.18"
W_M_50_A			2'-6"	1'-10.14"	1'-10.14"	6'-2.38"	3'-0.34"
W_M_51_A			2'-6.38"	1'-10.14"	1'-10.14"	6'-2.34"	3'-1.18"
W_M_52_A			2'-6.58"	1'-10.14"	1'-10.14"	6'-3.18"	3'-1.38"
W_M_53_A			2'-7"	1'-10.14"	1'-10.14"	6'-3.38"	3'-1.58"
W_M_54_A			2'-7.38"	1'-10.14"	1'-10.14"	6'-3.34"	3'-2"
W_M_55_A			2'-7.58"	1'-10.14"	1'-10.14"	6'-4"	3'-2.14"
W_M_56_A			2'-8"	1'-10.14"	1'-10.14"	6'-4.38"	3'-2.12"
W_M_57_A			2'-8.38"	1'-10.14"	1'-10.14"	6'-4.34"	3'-2.34"
W_M_58_A			2'-8.34"	1'-10.14"	1'-10.14"	6'-5.18"	3'-3.18"
W_M_59_A			2'-9"	1'-10.14"	1'-10.14"	6'-5.12"	3'-3.38"
W_M_60_A			2'-9.38"	1'-10.14"	1'-10.14"	6'-5.78"	3'-3.58"
W_M_61_A			2'-9.34"	1'-10.14"	1'-10.14"	6'-6.18"	3'-3.78"
W_M_62_A			2'-10.18"	1'-10.14"	1'-10.14"	6'-6.12"	3'-4.18"
W_M_63_A			2'-10.12"	1'-10.14"	1'-10.14"	6'-6.78"	3'-4.12"
W_M_64_A			2'-10.78"	1'-10.14"	1'-10.14"	6'-7.14"	3'-4.34"
W_M_65_A			2'-11.18"	1'-10.14"	1'-10.14"	6'-7.58"	3'-5"
W_M_66_A			2'-11.12"	1'-10.14"	1'-10.14"	6'-7.78"	3'-5.14"
W_M_67_A			2'-11.78"	1'-10.14"	1'-10.14"	6'-8.14"	3'-5.12"
W_M_68_A			3'-0.14"	1'-10.14"	1'-10.14"	6'-8.58"	3'-5.34"
W_M_69_A			3'-0.12"	1'-10.14"	1'-10.14"	6'-9"	3'-6"
W_M_70_A			3'-0.78"	1'-10.14"	1'-10.14"	6'-9.78"	3'-6.14"
W_M_71_A			3'-1.14"	1'-10.14"	1'-10.14"	6'-9.58"	3'-6.58"
W_M_72_A			3'-1.58"	1'-10.14"	1'-10.14"	6'-10"	3'-6.78"
W_M_73_A			3'-1.78"	1'-10.14"	1'-10.14"	6'-10.14"	3'-7.18"
W_M_74_A			3'-2.14"	1'-10.14"	1'-10.14"	6'-10.58"	3'-7.38"
W_M_75_A			3'-2.12"	1'-10.14"	1'-10.14"	6'-11"	3'-7.58"
W_M_76_A			3'-2.78"	1'-10.14"	1'-10.14"	6'-11.14"	3'-7.78"
W_M_77_A			3'-3.14"	1'-10.14"	1'-10.14"	6'-11.58"	3'-8.18"
W_M_78_A			3'-3.12"	1'-10.14"	1'-10.14"	6'-11.78"	3'-8.38"
W_M_79_A			3'-3.78"	1'-10.14"	1'-10.14"	7'-0.14"	3'-8.58"
W_M_80_A			3'-4.18"	1'-10.14"	1'-10.14"	7'-0.18"	3'-8.78"
W_M_81_A			3'-4.12"	1'-10.14"	1'-10.14"	7'-0.78"	3'-9.18"
W_M_82_A			3'-4.78"	1'-10.14"	1'-10.14"	7'-1.14"	3'-9.38"
W_M_83_A			3'-5.18"	1'-10.14"	1'-10.14"	7'-1.12"	3'-9.58"
W_M_84_A			3'-5.12"	1'-10.14"	1'-10.14"	7'-1.78"	3'-9.78"
W_M_85_A			3'-5.34"	1'-10.14"	1'-10.14"	7'-2.18"	3'-10.18"
W_M_86_A			3'-6.18"	1'-10.14"	1'-10.14"	7'-2.12"	3'-10.38"
W_M_87_A			3'-6.38"	1'-10.14"	1'-10.14"	7'-2.34"	3'-10.58"
W_M_88_A			3'-6.58"	1'-10.14"	1'-10.14"	7'-3.18"	3'-10.34"
W_M_89_A			3'-7"	1'-10.14"	1'-10.14"	7'-3.38"	3'-11"
W_M_90_A			3'-7.14"	1'-10.14"	1'-10.14"	7'-3.34"	3'-11.14"
W_M_91_A			3'-7.58"	1'-10.14"	1'-10.14"	7'-3.78"	3'-11.58"
W_M_92_A			3'-7.78"	1'-10.14"	1'-10.14"	7'-4.14"	3'-11.34"
W_M_93_A			3'-8.18"	1'-10.14"	1'-10.14"	7'-4.58"	4'-0"
W_M_94_A			3'-8.12"	1'-10.14"	1'-10.14"	7'-4.78"	4'-0.14"
W_M_95_A			3'-8.34"	1'-10.14"	1'-10.14"	7'-5.18"	4'-0.38"
W_M_96_A			3'-9"	1'-10.14"	1'-10.14"	7'-5.12"	4'-0.58"
W_M_97_A			3'-9.38"	1'-10.14"	1'-10.14"	7'-5.34"	4'-0.78"
W_M_98_A			3'-9.58"	1'-10.14"	1'-10.14"	7'-6"	4'-0.78"
W_M_99_A			3'-9.78"	1'-10.14"	1'-10.14"	7'-6.14"	4'-1.38"
W_M_100_A			3'-10.18"	1'-10.14"	1'-10.14"	7'-6.58"	4'-1.12"
W_M_101_A			3'-10.12"	1'-10.14"	1'-10.14"	7'-6.78"	4'-1.34"
W_M_102_A			3'-10.34"	1'-10.14"	1'-10.14"	7'-7.18"	4'-2"
W_M_103_A			3'-11"	1'-10.14"	1'-10.14"	7'-7.38"	4'-2.14"
W_M_104_A			3'-11.14"	1'-10.14"	1'-10.14"	7'-7.58"	4'-2.38"
W_M_105_A			3'-11.12"	1'-10.14"	1'-10.14"	7'-8.12"	4'-2.58"
W_M_106_A			3'-11.34"	1'-10.14"	1'-10.14"	7'-8.14"	4'-2.78"
W_M_107_A			4'-0"	1'-10.14"	1'-10.14"	7'-8.12"	4'-3.18"
W_M_108_A			4'-0.38"	1'-10.14"	1'-10.14"	7'-8.34"	4'-3.14"
W_M_109_A			4'-0.58"	1'-10.14"	1'-10.14"	7'-9"	4'-3.12"
W_M_110_A			4'-0.78"	1'-10.14"	1'-10.14"	7'-9.14"	4'-3.34"
W_M_111_A			4'-1.18"	1'-10.14"	1'-10.14"	7'-9.12"	4'-3.78"
W_M_112_A			4'-1.38"	1'-10.14"	1'-10.14"	7'-9.78"	4'-3.78"
W_M_113_A			4'-1.58"	1'-10.14"	1'-10.14"	7'-10.12"	4'-3.78"
W_M_114_A			4'-1.78"	1'-10.14"	1'-10.14"	7'-10.14"	4'-4.12"
W_M_115_A			4'-2.18"	1'-10.14"	1'-10.14"	7'-10.12"	4'-4.34"
W_M_116_A			4'-2.38"	1'-10.14"	1'-10.14"	7'-10.34"	4'-4.78"
W_M_117_A			4'-2.58"	1'-10.14"	1'-10.14"	7'-11"	4'-5.18"
W_M_118_A			4'-2.78"	1'-10.14"	1'-10.14"	7'-11.14"	4'-5.14"
W_M_119_A			4'-3.18"	1'-10.14"	1'-10.14"	7'-11.12"	4'-5.12"
W_M_120_A			4'-3.38"	1'-10.14"	1'-10.14"	7'-11.34"	4'-5.34"
W_M_121_A			4'-3.58"	1'-10.14"	1'-10.14"	8'-0"	4'-5.78"
W_M_122_A			4'-3.78"	1'-10.14"	1'-10.14"	8'-0.14"	4'-6.18"
W_M_123_A			4'-4.18"	1'-10.14"	1'-10.14"	8'-0.58"	4'-6.14"
W_M_124_A			4'-4.38"	1'-10.14"	1'-10.14"	8'-0.34"	4'-6.12"
W_M_125_A			4'-4.58"	1'-10.14"	1'-10.14"	8'-1"	4'-6.58"
W_M_126_A			4'-4.78"	1'-10.14"	1'-10.14"	8'-1.14"	4'-6.78"
W_M_127_A			4'-4.98"	1'-10.14"	1'-10.14"	8'-1.12"	4'-7"
W_M_128_A			4'-5.38"	1'-10.14"	1'-10.14"	8'-1.34"	4'-7.14"
W_M_129_A			4'-5.58"	1'-10.14"	1'-10.14"	8'-2"	4'-7.38"
W_M_130_A			4'-5.78"	1'-10.14"	1'-10.14"	8'-2.14"	4'-7.58"
W_M_131_A			4'-6.18"	1'-10.14"	1'-10.14"	8'-2.12"	4'-7.34"
W_M_132_A			4'-6.38"	1'-10.14"	1'-10.14"	8'-2.34"	4'-7.78"
W_M_133_A			4'-6.12"	1'-10.14"	1'-10.14"	8'-3"	4'-8.18"
W_M_134_A			4'-6.34"	1'-10.14"	1'-10.14"	8'-3.14"	4'-8.14"

W BRIDGE - M RUN							
ID	A01	A02	L01	L02	L03	LTOT	E01
W.M.135.A			4'-7"	1'-10.14"	1'-10.14"	8'-3.38"	4'-8.12"
W.M.136.A			4'-7.14"	1'-10.14"	1'-10.14"	8'-3.58"	4'-8.58"
W.M.137.A			4'-7.12"	1'-10.14"	1'-10.14"	8'-3.78"	4'-8.34"
W.M.138.A			4'-7.58"	1'-10.14"	1'-10.14"	8'-4.18"	4'-9"
W.M.139.A			4'-7.78"	1'-10.14"	1'-10.14"	8'-4.14"	4'-9.18"
W.M.140.A			4'-8.18"	1'-10.14"	1'-10.14"	8'-4.12"	4'-9.14"
W.M.141.A			4'-8.38"	1'-10.14"	1'-10.14"	8'-4.34"	4'-9.12"
W.M.142.A			4'-8.12"	1'-10.14"	1'-10.14"	8'-5"	4'-9.58"
W.M.143.A			4'-8.34"	1'-10.14"	1'-10.14"	8'-5.18"	4'-9.34"
W.M.144.A			4'-9"	1'-10.14"	1'-10.14"	8'-5.38"	4'-10"
W.M.145.A			4'-9.18"	1'-10.14"	1'-10.14"	8'-5.58"	4'-10.18"
W.M.146.A			4'-9.38"	1'-10.14"	1'-10.14"	8'-5.34"	4'-10.14"
W.M.147.A			4'-9.58"	1'-10.14"	1'-10.14"	8'-6"	4'-10.38"
W.M.148.A			4'-9.34"	1'-10.14"	1'-10.14"	8'-6.18"	4'-10.58"
W.M.149.A			4'-9"	1'-10.14"	1'-10.14"	8'-6.38"	4'-10.78"
W.M.150.A			4'-10.18"	1'-10.14"	1'-10.14"	8'-6.58"	4'-10.78"
W.M.151.A			4'-10.38"	1'-10.14"	1'-10.14"	8'-6"	4'-11"
W.M.152.A			4'-10.12"	1'-10.14"	1'-10.14"	8'-7"	4'-11.14"
W.M.153.A			4'-10.34"	1'-10.14"	1'-10.14"	8'-7.18"	4'-11.18"
W.M.154.A			4'-10.78"	1'-10.14"	1'-10.14"	8'-7.38"	4'-11.38"
W.M.155.A			4'-11.18"	1'-10.14"	1'-10.14"	8'-7.12"	4'-11.38"
W.M.156.A			4'-11.14"	1'-10.14"	1'-10.14"	8'-7.34"	4'-11.54"
W.M.157.A			4'-11.12"	1'-10.14"	1'-10.14"	8'-7.78"	4'-11.58"
W.M.158.A			4'-11.58"	1'-10.14"	1'-10.14"	8'-7.58"	4'-12.18"
W.M.159.A			4'-11.78"	1'-10.14"	1'-10.14"	8'-8.14"	4'-12.14"
W.M.160.A			5'-0"	1'-10.14"	1'-10.14"	8'-8.38"	4'-12.38"
W.M.161.A			5'-0.18"	1'-10.14"	1'-10.14"	8'-8.58"	4'-12.58"
W.M.162.A			5'-0.38"	1'-10.14"	1'-10.14"	8'-8.34"	4'-12.58"
W.M.163.A			5'-0.12"	1'-10.14"	1'-10.14"	8'-8.78"	4'-13.04"
W.M.164.A			5'-0.58"	1'-10.14"	1'-10.14"	8'-9.18"	4'-13.08"
W.M.165.A			5'-0.78"	1'-10.14"	1'-10.14"	8'-9.38"	4'-13.28"
W.M.166.A			5'-1"	1'-10.14"	1'-10.14"	8'-9.38"	4'-13.28"
W.M.167.A			5'-1.18"	1'-10.14"	1'-10.14"	8'-9.58"	4'-13.44"
W.M.168.A			5'-1.38"	1'-10.14"	1'-10.14"	8'-9.34"	4'-13.44"
W.M.169.A			5'-1.12"	1'-10.14"	1'-10.14"	8'-9.78"	4'-13.58"
W.M.170.A			5'-1.58"	1'-10.14"	1'-10.14"	8'-10"	4'-13.84"
W.M.171.A			5'-1.34"	1'-10.14"	1'-10.14"	8'-10.18"	4'-13.78"
W.M.172.A			5'-1.78"	1'-10.14"	1'-10.14"	8'-10.38"	4'-13.98"
W.M.173.A			5'-2.38"	1'-10.14"	1'-10.14"	8'-10.12"	4'-14.12"
W.M.174.A			5'-2.14"	1'-10.14"	1'-10.14"	8'-10.58"	4'-14.18"
W.M.175.A			5'-2.38"	1'-10.14"	1'-10.14"	8'-10.34"	4'-14.18"
W.M.176.A			5'-2.12"	1'-10.14"	1'-10.14"	8'-10.78"	4'-14.38"
W.M.177.A			5'-2.58"	1'-10.14"	1'-10.14"	8'-11.18"	4'-14.58"
W.M.178.A			5'-2.78"	1'-10.14"	1'-10.14"	8'-11.14"	4'-14.58"
W.M.179.A			5'-3"	1'-10.14"	1'-10.14"	8'-11.58"	4'-14.78"
W.M.180.A			5'-3.18"	1'-10.14"	1'-10.14"	8'-11.58"	4'-14.78"
W.M.181.A			5'-3.38"	1'-10.14"	1'-10.14"	8'-11.34"	4'-14.78"
W.M.182.A			5'-3.12"	1'-10.14"	1'-10.14"	8'-11.78"	4'-15.3"
W.M.183.A			5'-3.58"	1'-10.14"	1'-10.14"	9'-0"	4'-15.38"
W.M.184.A			5'-3.34"	1'-10.14"	1'-10.14"	9'-0.14"	4'-15.38"
W.M.185.A			5'-4"	1'-10.14"	1'-10.14"	9'-0.38"	4'-15.38"
W.M.186.A			5'-4.18"	1'-10.14"	1'-10.14"	9'-0.58"	4'-15.58"
W.M.187.A			5'-4.14"	1'-10.14"	1'-10.14"	9'-0.58"	4'-15.58"
W.M.188.A			5'-4.38"	1'-10.14"	1'-10.14"	9'-0.34"	4'-15.34"
W.M.189.A			5'-4.12"	1'-10.14"	1'-10.14"	9'-1"	4'-15.38"
W.M.190.A			5'-4.58"	1'-10.14"	1'-10.14"	9'-1.18"	4'-15.4"
W.M.191.A			5'-4.78"	1'-10.14"	1'-10.14"	9'-1.14"	4'-15.4"
W.M.192.A			5'-5"	1'-10.14"	1'-10.14"	9'-1.38"	4'-15.48"
W.M.193.A			5'-5.18"	1'-10.14"	1'-10.14"	9'-1.12"	4'-15.48"
W.M.194.A			5'-5.14"	1'-10.14"	1'-10.14"	9'-1.38"	4'-15.48"
W.M.195.A			5'-5.38"	1'-10.14"	1'-10.14"	9'-1.34"	4'-15.38"
W.M.196.A			5'-5.12"	1'-10.14"	1'-10.14"	9'-1.78"	4'-15.12"
W.M.197.A			5'-5.58"	1'-10.14"	1'-10.14"	9'-2"	4'-15.58"
W.M.198.A			5'-5.34"	1'-10.14"	1'-10.14"	9'-2.18"	4'-15.38"
W.M.199.A			5'-5.78"	1'-10.14"	1'-10.14"	9'-2.14"	4'-15.34"
W.M.200.A			5'-6"	1'-10.14"	1'-10.14"	9'-2.38"	4'-15.48"
W.M.201.A			5'-6.18"	1'-10.14"	1'-10.14"	9'-2.58"	4'-15.68"
W.M.202.A			5'-6.14"	1'-10.14"	1'-10.14"	9'-2.58"	4'-15.68"
W.M.203.A			5'-6.38"	1'-10.14"	1'-10.14"	9'-2.34"	4'-15.68"
W.M.204.A			5'-6.38"	1'-10.14"	1'-10.14"	9'-2.78"	4'-15.78"
W.M.205.A			5'-6.12"	1'-10.14"	1'-10.14"	9'-3"	4'-15.14"
W.M.206.A			5'-6.58"	1'-10.14"	1'-10.14"	9'-3"	4'-15.58"
W.M.207.A			5'-6.34"	1'-10.14"	1'-10.14"	9'-3.18"	4'-15.38"
W.M.208.A			5'-6.78"	1'-10.14"	1'-10.14"	9'-3.58"	4'-15.78"
W.M.209.A			5'-7"	1'-10.14"	1'-10.14"	9'-3.38"	4'-15.58"
W.M.210.A			5'-7.18"	1'-10.14"	1'-10.14"	9'-3.12"	4'-15.58"
W.M.211.A			5'-7.18"	1'-10.14"	1'-10.14"	9'-3.58"	4'-15.34"
W.M.212.A			5'-7.14"	1'-10.14"	1'-10.14"	9'-3.58"	4'-15.34"
W.M.213.A			5'-7.38"	1'-10.14"	1'-10.14"	9'-3.34"	4'-15.78"
W.M.214.A			5'-7.12"	1'-10.14"	1'-10.14"	9'-3.78"	4'-15.78"
W.M.215.A			5'-7.12"	1'-10.14"	1'-10.14"	9'-4"	4'-15.78"
W.M.216.A			5'-7.58"	1'-10.14"	1'-10.14"	9'-4"	4'-16"
W.M.217.A			5'-7.34"	1'-10.14"	1'-10.14"	9'-4.18"	4'-16.18"
W.M.218.A			5'-7.34"	1'-10.14"	1'-10.14"	9'-4.14"	4'-16.18"
W.M.219.A			5'-7.78"	1'-10.14"	1'-10.14"	9'-4.14"	4'-16.14"
W.M.220.A			5'-8"	1'-10.14"	1'-10.14"	9'-4.38"	4'-16.18"
W.M.221.A			5'-8"	1'-10.14"	1'-10.14"	9'-4.38"	4'-16.38"
W.M.222.A			5'-8.18"	1'-10.14"	1'-10.14"	9'-4.38"	4'-16.38"
W.M.223.A			5'-8.18"	1'-10.14"	1'-10.14"	9'-4.58"	4'-16.12"
W.M.224.A			5'-8.14"	1'-10.14"	1'-10.14"	9'-4.58"	4'-16.12"
W.M.225.A			5'-8.14"	1'-10.14"	1'-10.14"	9'-4.34"	4'-16.58"
W.M.226.A			5'-8.38"	1'-10.14"	1'-10.14"	9'-4.34"	4'-16.58"
W.M.227.A			5'-8.38"	1'-10.14"	1'-10.14"	9'-4.78"	4'-16.58"
W.M.228.A			5'-8.12"	1'-10.14"	1'-10.14"	9'-4.78"	4'-16.58"
W.M.229.A			5'-8.12"	1'-10.14"	1'-10.14"	9'-5"	4'-16.58"
W.M.230.A			5'-8.58"	1'-10.14"	1'-10.14"	9'-5"	4'-16.58"
W.M.231.A			5'-8.58"	1'-10.14"	1'-10.14"	9'-5.18"	4'-16.78"
W.M.232.A			5'-8.34"	1'-10.14"	1'-10.14"	9'-5.18"	4'-16.78"
W.M.233.A			5'-8.34"	1'-10.14"	1'-10.14"	9'-5.18"	4'-16.78"
W.M.234.A			5'-8.78"	1'-10.14"	1'-10.14"	9'-5.14"	4'-16.78"
W.M.235.A			5'-8.78"	1'-10.14"	1'-10.14"	9'-5.14"	4'-16.78"
W.M.236.A			5'-8.78"	1'-10.14"	1'-10.14"	9'-5.38"	4'-16.78"
W.M.237.A			5'-9"	1'-10.14"	1'-10.14"	9'-5.38"	4'-16.78"
W.M.238.A			5'-9"	1'-10.14"	1'-10.14"	9'-5.12"	4'-16.78"
W.M.239.A			5'-9.18"	1'-10.14"	1'-10.14"	9'-5.12"	4'-16.78"
W.M.240.A			5'-9.18"	1'-10.14"	1'-10.14"	9'-5.12"	4'-16.78"
W.M.241.A			5'-9.14"	1'-10.14"	1'-10.14"	9'-5.58"	4'-16.78"
W.M.242.A			5'-9.14"	1'-10.14"	1'-10.14"	9'-5.58"	4'-16.78"
W.M.243.A			5'-9.14"	1'-10.14"	1'-10.14"	9'-5.34"	4'-16.78"
W.M.244.A			5'-9.38"	1'-10.14"	1'-10.14"	9'-5.38"	4'-16.78"
W.M.245.A			5'-9.38"	1'-10.14"	1'-10.14"	9'-5.78"	4'-16.78"
W.M.246.A			5'-9.12"	1'-10.14"	1'-10.14"	9'-5.78"	4'-16.78"
W.M.247.A			5'-9.12"	1'-10.14"	1'-10.14"	9'-5.78"	4'-16.78"
W.M.248.A			5'-9.12"	1'-10.14"	1'-10.14"	9'-6"	4'-16.78"
W.M.249.A			5'-9.58"	1'-10.14"	1'-10.14"	9'-6"	4'-16.78"
W.M.250.A			5'-9.58"	1'-10.14"	1'-10.14"	9'-6"	4'-16.78"
W.M.251.A			5'-9.58"	1'-10.14"	1'-10.14"	9'-6.12"	4'-16.78"
W.M.252.A			5'-9.58"	1'-10.14"	1'-10.14"	9'-6.12"	4'-16.78"
W.M.253.A			5'-9.34"	1'-10.14"	1'-10.14"	9'-6.18"	4'-16.78"
W.M.254.A			5'-9.34"	1'-10.14"	1'-10.14"	9'-6.18"	4'-16.78"
W.M.255.A			5'-9.34"	1'-10.14"	1'-10.14"	9'-6.18"	4'-16.78"
W.M.256.A			5'-9.34"	1'-10.14"	1'-10.14"	9'-6.14"	4'-16.78"
W.M.257.A			5'-9.34"	1'-10.14"	1'-10.14"	9'-6.14"	4'-16.78"
W.M.258.A			5'-9.78"	1'-10.14"	1'-10.14"	9'-6.14"	4'-16.78"
W.M.259.A			5'-9.78"	1'-10.14"	1'-10.14"	9'-6.14"	4'-16.78"
W.M.260.A			5'-9.78"	1'-10.14"	1'-10.14"	9'-6.14"	4'-16.78"
W.M.261.A			5'-9.78"	1'-10.14"	1'-10.14"	9'-6.14"	4'-16.78"
W.M.262.A			5'-9.78"	1'-10.14"	1'-10.14"	9'-6.14"	4'-16.78"
W.M.263.A			5'-9.78"	1'-10.14"	1'-10.14"	9'-6.14"	4'-16.78"
W.M.264.A			5'-9.78"	1'-10.14"	1'-10.14"	9'-6.14"	4'-16.78"
W.M.265.A			5'-9.78"	1'-10.14"	1'-10.14"	9'-6.14"	4'-16.78"
W.M.266.A			5'-9.78"	1'-10.14"	1'-10.14"	9'-6.14"	4'-16.78"
W.M.267.A			5'-9.78"	1'-10.14"	1'-10.14"	9'-6.14"	4'-16.78"
W.M.268.A			5'-9.78"	1'-10.14"	1'-10.14"	9'-6.14"	4'-16.78"

E BRIDGE - N RUN

ID	A01	A02	L01	L02	L03	LTOT	E01
E_N_1	161.811"		0'-6.58"	3'-2.38"		3'-9"	4'-4.18"
E_N_2	161.764"		0'-7.58"	3'-2.18"		3'-9.58"	4'-4.14"
E_N_3	161.715"		0'-8.12"	3'-1.34"		3'-10.14"	4'-4.38"
E_N_4	161.663"		0'-9.12"	3'-1.12"		3'-11.14"	4'-4.12"
E_N_5	161.610"		0'-10.58"	3'-1.18"		3'-11.58"	4'-4.34"
E_N_6	161.561"		0'-11.12"	3'-0.38"		3'-10.58"	4'-4.14"
E_N_7	161.497"		0'-10.58"	3'-0.12"		3'-10.58"	4'-4.14"
E_N_8	161.438"		1'-1.58"	3'-0.18"		4'-1.78"	4'-5.18"
E_N_9	161.376"		1'-2.34"	3'-11.78"		4'-2.58"	4'-5.38"
E_N_10	161.313"		1'-3.78"	2'-11.12"		4'-3.38"	4'-5.12"
E_N_11	161.246"		1'-5"	2'-11.18"		4'-4.14"	4'-5.58"
E_N_12	161.178"		1'-6.14"	2'-10.78"		4'-5"	4'-5.78"
E_N_13	161.107"		1'-7.38"	2'-10.12"		4'-5.78"	4'-6"
E_N_14	161.033"		1'-8.58"	2'-9.38"		4'-6.34"	4'-5.18"
E_N_15	160.957"		1'-9.78"	2'-9.78"		4'-7.58"	4'-6.14"
E_N_16	160.878"		1'-11.18"	2'-9.12"		4'-8.58"	4'-6.12"
E_N_17	160.796"		2'-0.38"	2'-9.18"		4'-9.12"	4'-6.58"
E_N_18	160.712"		2'-1.58"	2'-8.78"		4'-10.12"	4'-6.54"
E_N_19	160.624"		2'-3"	2'-8.12"		4'-11.12"	4'-6.78"
E_N_20	160.535"		2'-4.38"	2'-7.34"		4'-12.12"	4'-7.18"
E_N_21	160.439"		2'-5.34"	2'-7.34"		5'-1.12"	4'-7.14"
E_N_22	160.342"		2'-7.18"	2'-7.12"		5'-2.12"	4'-7.38"
E_N_23	160.242"		2'-8.12"	2'-7.18"		5'-3.58"	4'-7.12"
E_N_24	160.138"		2'-10"	2'-6.34"		5'-4.34"	4'-7.34"
E_N_25	160.030"		2'-11.38"	2'-6.38"		5'-5.78"	4'-7.78"
E_N_26	159.918"		3'-0.78"	2'-6.18"		5'-7"	4'-8"
E_N_27	159.806"		3'-1.78"	2'-5.18"		5'-8.18"	4'-8.18"
E_N_28	159.692"		3'-3.78"	2'-5.38"		5'-9.14"	4'-8.38"
E_N_29	159.558"		3'-5.12"	2'-5"		5'-10.12"	4'-8.12"
E_N_30	159.430"		3'-7"	2'-4.58"		5'-11.34"	4'-8.58"
E_N_31	159.295"		3'-8.58"	2'-4.38"		6'-1"	4'-8.78"
E_N_32	159.158"		3'-10.14"	2'-4.8"		6'-2.14"	4'-9"
E_N_33	159.015"		3'-11.78"	2'-3.58"		6'-3.12"	4'-9.18"
E_N_34	158.868"		3'-13.98"	2'-2.18"		6'-4.18"	4'-9.14"
E_N_35	158.712"		4'-3.14"	2'-2.78"		6'-6.14"	4'-9.12"
E_N_36	158.551"		4'-5"	2'-2.12"		6'-7.12"	4'-9.58"
E_N_37	158.386"		4'-6.34"	2'-2.18"		6'-8.78"	4'-9.34"
E_N_38	158.214"		4'-8.12"	2'-1.78"		6'-10.38"	4'-9.78"
E_N_39	158.035"		4'-10.38"	2'-1.12"		6'-11.34"	4'-10.18"
E_N_40	157.849"		5'-0.18"	2'-1.18"		7'-1.14"	4'-10.14"
E_N_41	157.657"		5'-2"	2'-0.38"		7'-2.38"	4'-10.38"
E_N_42	157.458"		5'-3.78"	2'-0.38"		7'-4.14"	4'-10.12"
E_N_43	157.248"		5'-5.34"	2'-0"		7'-5.34"	4'-10.34"
E_N_44	157.033"		5'-7.58"	1'-11.58"		7'-7.14"	4'-10.78"
E_N_45	156.805"		5'-9.12"	1'-11.14"		7'-8.78"	4'-11"
E_N_46	156.571"		5'-11.12"	1'-10.78"		7'-10.38"	4'-11.14"
E_N_47	156.324"	156.480"	1'-9.18"	6'-0"	1'-10.58"	7'-9.34"	4'-11.38"
E_N_48	156.062"	156.462"	1'-10.38"	5'-1.18"	1'-10.18"	7'-10.38"	4'-11.18"
E_N_49	155.789"	156.445"	1'-12.38"	1'-10.38"	1'-9.34"	7'-13.38"	4'-11.58"
E_N_50	155.504"	156.428"	1'-10.38"	5'-11.18"	1'-10.14"	7'-9.34"	4'-11.34"
E_N_51	155.215"	156.410"	1'-10.34"	5'-10.78"	1'-10"	7'-9.58"	4'-11.78"
E_N_52	154.923"	156.392"	1'-11.18"	5'-10.34"	1'-9.78"	7'-9.58"	4'-10.18"
E_N_53	154.628"	156.373"	1'-11.12"	5'-10.12"	1'-9.34"	7'-9.34"	4'-10.14"
E_N_54	154.329"	156.356"	1'-11.78"	5'-10.14"	1'-9.12"	7'-9.34"	4'-10.38"
E_N_55	154.026"	156.337"	1'-12.38"	5'-9.18"	1'-8.38"	7'-9.34"	4'-10.12"
E_N_56	153.717"	156.317"	1'-13.98"	5'-9.78"	1'-7.18"	7'-9.34"	4'-10.58"
E_N_57	153.401"	156.298"	1'-15.58"	5'-9.58"	1'-6.18"	7'-9.78"	4'-10.34"
E_N_58	153.078"	156.281"	2'-1.12"	5'-9.12"	1'-8.78"	7'-9.78"	4'-11"
E_N_59	152.748"	156.260"	2'-1.78"	5'-9.14"	1'-8.34"	7'-9"	4'-11.18"
E_N_60	152.405"	156.242"	2'-2.38"	5'-9.18"	1'-8.58"	7'-9"	4'-11.14"
E_N_61	152.049"	156.222"	2'-2.34"	5'-8.78"	1'-8.12"	7'-8.18"	4'-11.38"
E_N_62	151.681"	156.203"	2'-2.38"	5'-8.18"	1'-7.38"	7'-8.18"	4'-11.18"
E_N_63	151.301"	156.184"	2'-2.38"	5'-8.58"	1'-6.18"	7'-8.18"	4'-11.18"
E_N_64	150.908"	156.161"	2'-3.78"	5'-8.12"	1'-8"	7'-8.38"	4'-11.78"
E_N_65	150.504"	156.140"	2'-4.18"	5'-8.38"	1'-7.78"	7'-8.38"	4'-11.18"
E_N_66	150.089"	156.121"	2'-4.12"	5'-8.14"	1'-7.34"	7'-8.12"	4'-11.18"
E_N_67	149.666"	156.099"	2'-4.78"	5'-8.18"	1'-7.58"	7'-8.58"	4'-11.14"
E_N_68	149.234"	156.077"	2'-5.14"	5'-8.18"	1'-7.38"	7'-8.34"	4'-11.38"
E_N_69	148.784"	156.056"	2'-5.58"	5'-7.14"	1'-6.18"	7'-8.18"	4'-11.18"
E_N_70	148.318"	156.035"	2'-5.78"	5'-7.78"	1'-7.18"	7'-9"	4'-11.24"
E_N_71	147.838"	156.012"	2'-6.14"	5'-7.78"	1'-7"	7'-9.5"	4'-11.78"
E_N_72	147.348"	155.990"	2'-6.12"	5'-7.34"	1'-6.78"	7'-9.18"	4'-11.3"
E_N_73	146.846"	155.968"	2'-6.78"	5'-7.34"	1'-6.34"	7'-9.14"	4'-11.38"
E_N_74	146.340"	155.946"	2'-7.18"	5'-7.34"	1'-6.12"	7'-9.38"	4'-11.34"
E_N_75	145.827"	155.922"	2'-7.38"	5'-7.58"	1'-6.38"	7'-9.12"	4'-11.38"
E_N_76	145.304"	155.899"	2'-7.34"	5'-7.58"	1'-6.14"	7'-9.58"	4'-11.38"
E_N_77	144.773"	155.876"	2'-8.18"	5'-7.18"	1'-5.34"	7'-9.34"	4'-11.34"
E_N_78	144.237"	155.852"	2'-8.14"	5'-7.58"	1'-6"	7'-9.18"	4'-11.38"
E_N_79	143.695"	155.827"	2'-8.12"	5'-7.58"	1'-5.78"	7'-9.78"	4'-11.3"
E_N_80	143.140"	155.805"	2'-8.34"	5'-7.58"	1'-5.34"	7'-10.18"	4'-11.18"
E_N_81	142.570"	155.779"	2'-9"	5'-7.34"	1'-5.12"	7'-10.14"	4'-11.14"
E_N_82	142.000"	155.756"	2'-9.14"	5'-7.34"	1'-5.38"	7'-10.38"	4'-11.12"
E_N_83	141.414"	155.730"	2'-9.38"	5'-7.18"	1'-5.14"	7'-10.38"	4'-11.18"
E_N_84	140.811"	155.704"	2'-9.58"	5'-7.78"	1'-5.18"	7'-10.38"	4'-11.18"
E_N_85	140.193"	155.679"	2'-9.78"	5'-7.78"	1'-5"	7'-10.34"	4'-11.78"
E_N_86	150.027"	155.653"	2'-10"	5'-8"	1'-4.78"	7'-10.78"	4'-11.58"
E_N_87	150.204"	155.627"	2'-10.14"	5'-8"	1'-4.34"	7'-11"	4'-11.58"
E_N_88	150.368"	155.600"	2'-10.38"	5'-8.18"	1'-4.58"	7'-11.18"	4'-11.58"
E_N_89	150.522"	155.574"	2'-10.12"	5'-8.14"	1'-4.12"	7'-11.14"	4'-11.52"
E_N_90	150.664"	155.545"	2'-10.38"	5'-8.18"	1'-4.38"	7'-11.38"	4'-11.58"
E_N_91	150.788"	155.519"	2'-10.78"	5'-8.18"	1'-4.18"	7'-11.12"	4'-11.58"
E_N_92	150.922"	155.492"	2'-11"	5'-8.58"	1'-4.18"	7'-11.58"	4'-11.58"
E_N_93	151.035"	155.465"	2'-11.18"	5'-8.34"	1'-4"	7'-11.34"	4'-11.58"
E_N_94	151.139"	155.436"	2'-11.14"	5'-8.78"	1'-3.78"	7'-11.78"	4'-11.58"
E_N_95	151.233"	155.407"	2'-11.38"	5'-9"	1'-3.58"	7'-12"	4'-11.58"
E_N_96	151.319"	155.377"	2'-11.38"	5'-9.18"	1'-3.12"	7'-12.18"	4'-11.58"
E_N_97	151.385"	155.348"	2'-11.78"	5'-9.38"	1'-2.78"	7'-12.18"	4'-11.58"
E_N_98	151.462"	155.318"	2'-11.58"	5'-9.18"	1'-2.12"	7'-12.18"	4'-11.58"
E_N_99	151.520"	155.289"	2'-11.58"	5'-9.34"	1'-3.18"	7'-12.18"	4'-11.58"
E_N_100	151.571"	155.258"	2'-11.34"	5'-9.78"	1'-3"	7'-12.18"	4'-11.58"
E_N_101	151.611"	155.227"	2'-11.34"	5'-10.18"	1'-2.78"	7'-12.18"	4'-11.58"
E_N_102	151.644"	155.197"	2'-11.34"	5'-10.38"	1'-2.34"	7'-12.18"	4'-11.58"
E_N_103	151.668"	155.166"	2'-11.78"	5'-10.12"	1'-2.58"	7'-12.18"	4'-11.58"
E_N_104	151.683"	155.135"	2'-11.78"	5'-10.18"	1'-2.12"	7'-12.18"	4'-11.58"
E_N_105	151.691"	155.102"	2'-11.78"	5'-11.18"	1'-1.78"	7'-12.18"	4'-11.58"
E_N_106	151.690"	155.069"	2'-11.78"	5'-11.14"	1'-2.14"	7'-12.18"	4'-11.58"
E_N_107	151.680"	155.035"	2'-11.78"	5'-11.12"	1'-2.18"	7'-12.18"	4'-11.58"
E_N_108	151.661"	155.003"	2'-11.78"	5'-11.34"	1'-2"	7'-12.18"	4'-11.58"
E_N_109	151.635"	154.971"	2'-11.34"	5'-11.18"	1'-2"	7'-12.18"	4'-11.58"
E_N_110	151.599"	154.935"	2'-11.34"	5'-10.38"	1'-1.78"	7'-12.18"	4'-11.58"
E_N_111	151.555"	154.900"	2'-11.34"	5'-10.18"	1'-1.38"	7'-12.18"	4'-11.58"
E_N_112	151.503"	154.866"	2'-11.18"	5'-10.18"	1'-1.18"	7'-12.18"	4'-11.58"
E_N_113	151.442"	154.832"	2'-11.12"	5'-11.14"	1'-1.12"	7'-12.18"	4'-11.58"
E_N_114	151.372"	154.797"	2'-11.12"	5'-11.18"	1'-1.12"	7'-12.18"	4'-11.58"
E_N_115	151.293"	154.758"	2'-11.38"	5'-11.18"	1'-1.14"	7'-12.18"	4'-11.58"
E_N_116	151.204"	154.724"	2'-11.14"	5'-11.14"	1'-1.14"	7'-12.18"	4'-11.58"
E_N_117	151.107"	154.686"	2'-11.18"	5'-11.18"	1'-1"	7'-12.18"	4'-11.58"
E_N_118	150.999"	154.646"	2'-11.18"	5'-11.18"	1'-0.78"	7'-12.18"	4'-11.58"
E_N_119	150.883"	154.613"	2'-10.78"	5'-11.18"	1'-0.38"	7'-12.18"	4'-11.58"
E_N_120	150.758"	154.572"	2'-10.34"	5'-11.18"	1'-0.58"	7'-12.18"	4'-11.58"
E_N_121	150.621"	154.535"	2'-10.18"	5'-11.18"	1'-0.12"	7'-12.18"	4'-11.58"
E_N_122	150.475"	154.495"	2'-10.12"	5'-11.18"	1'-0.38"	7'-12.18"	4'-11.58"
E_N_123	150.318"	154.455"	2'-10.38"	5'-11.18"	1'-0.38"	7'-12.18"	4'-11.58"
E_N_124	150.151"	154.414"	2'-10.78"	5'-11.18"	1'-0.14"	7'-12.18"	4'-11.58"
E_N_125	149.975"	154.373"	2'-10.78"	5'-11.18"	1'-0.18"	7'-12.18"	4'-11.58"
E_N_126	149.792"	154.336"	2'-10.34"	5'-11.18"	1'-0"	7'-12.18"	4'-11.58"
E_N_127	149.580"	154.293"	2'-9.58"	5'-11.18"	1'-0.78"	7'-12.18"	4'-11.58"
E_N_128	149.366"	154.251"	2'-9.38"	5'-11.18"	1'-0.34"	7'-12.18"	4'-11.58"
E_N_129	149.139"	154.207"	2'-9.18"	5'-11.18"	1'-0.38"	7'-12.18"	4'-11.58"
E_N_130	148.899"	154.166"	2'-9.18"	5'-11.18"	1'-0.38"	7'-12.18"	4'-11.58"
E_N_131	148.646"	154.123"	2'-8.58"	5'-11.18"	1'-0.12"	7'-12.18"	4'-11.58"
E_N_132	148.378"	154.078"	2'-8.18"	5'-11.18"	1'-0.18"	7'-12.18"	4'-11.58"
E_N_133	148.093"	154.034"	2'-8.18"	5'-11.18"	1'-0.18"	7'-12.18"	4'-11.58"
E_N_134	147.800"	153.989"	2'-7.78"	5'-11.18"	1'-0.18"	7'-12.18"	4'-11.58"

E BRIDGE - N RUN

ID	A01	A02	L01	L02	L03	LTOT	E01
E_N_135	147.487"	153.943"	2'-7.58"	6'-10.12"	0'-11"	10'-5.14"	5'-10.78"
E_N_136	147.158"	153.896"	2'-7.38"	6'-11.18"	0'-11"	10'-5.18"	5'-11"
E_N_137	146.812"	153.850"	2'-7"	6'-11.58"	0'-10.78"	10'-5.12"	5'-11"
E_N_138	146.464"	153.802"	2'-6.34"	7'-0.18"	0'-10.34"	10'-5.58"	5'-11.18"
E_N_139	146.066"	153.757"	2'-6.12"	7'-0.34"	0'-10.58"	10'-5.34"	5'-11.34"
E_N_140	145.662"	153.707"	2'-6.18"	7'-1.14"	0'-10.12"	10'-6"	5'-11.38"
E_N_141	145.263"	153.659"	2'-5.78"	7'-1.78"	0'-10.12"	10'-6.18"	5'-11.34"
E_N_142	144.864"	153.611"	2'-5.38"	7'-2.38"	0'-10.12"	10'-6.38"	5'-11.12"
E_N_143	144.464"	153.563"	2'-4.98"	7'-3"	0'-10.14"	10'-6.38"	5'-11.14"
E_N_144	143.838"	153.585"	2'-4.34"	7'-3.58"	0'-10.18"	10'-6.12"	5'-11.34"
E_N_145	143.320"	153.457"	2'-4.12"	7'-4.14"	0'-10"	10'-6.34"	5'-11.78"
E_N_146	142.778"	153.303"	2'-4.18"	7'-4.78"	0'-10"	10'-6.78"	6"
E_N_147	142.207"	153.353"	2'-3.34"	7'-5.12"	0'-9.78"	10'-7"	6'-0.18"
E_N_148	141.606"	153.301"	2'-3.38"	7'-6.18"	0'-9.34"	10'-7.14"	6'-0.34"
E_N_149	141.077"	153.253"	2'-2.58"	7'-6.38"	0'-9.34"	10'-7.14"	6'-0.18"
E_N_150	140.312"	153.191"	2'-2.58"	7'-7.38"	0'-9.34"	10'-5.58"	6'-0.34"
E_N_151	139.614"	153.135"	2'-2.14"	7'-8"	0'-9.12"	10'-7.34"	6'-0.12"
E_N_152	138.878"	153.080"	2'-1.78"	7'-8.34"	0'-9.38"	10'-6"	6'-0.58"
E_N_153	138.104"	153.023"	2'-1.12"	7'-9.38"	0'-9.14"	10'-8.18"	6'-0.38"
E_N_154	137.207"	152.967"	2'-1.18"	7'-10"	0'-9.14"	10'-8.38"	6'-0.78"
E_N_155	136.430"	152.920"	2'-0.58"	7'-10.34"	0'-9.18"	10'-8.12"	6"
E_N_156	135.526"	152.868"	2'-0.14"	7'-11.12"	0'-9"	10'-8.34"	6'-1.18"
E_N_157	134.573"	152.819"	2'-0.18"	7'-11.78"	0'-8.58"	10'-8.34"	6'-1.18"
E_N_158	133.564"	152.773"	1'-11.12"	8'-0.78"	0'-8.78"	10'-9.14"	6'-1.18"
E_N_159	132.506"	152.669"	1'-11"	8'-1.58"	0'-8.34"	10'-9.12"	6'-1.38"
E_N_160	131.385"	152.608"	1'-10.58"	8'-2.38"	0'-8.34"	10'-9.34"	6'-1.18"
E_N_161	130.205"	152.548"	1'-10.14"	8'-3.18"	0'-8.58"	10'-10"	6'-1.58"
E_N_162	128.961"	152.486"	1'-9.78"	8'-3.78"	0'-8.12"	10'-10.14"	6'-1.58"
E_N_163	127.645"	152.420"	1'-9.12"	8'-4.58"	0'-8.12"	10'-10.58"	6'-1.38"
E_N_164	126.329"	152.358"	1'-8.38"	8'-5.38"	0'-7.78"	10'-10.58"	6'-1.38"
E_N_165	125.007"	152.293"	1'-7.58"	8'-6.18"	0'-7.34"	10'-10.58"	6'-1.18"
E_N_166	123.714"	152.231"	1'-10.14"	8'-4.38"	0'-8.14"	10'-10.58"	6'-1.78"
E_N_167	131.037"	151.673"	1'-10.12"	8'-4"	0'-8.18"	10'-10.58"	6"
E_N_168	131.009"	152.095"	1'-10.78"	8'-3.34"	0'-8"	10'-10.58"	6'-2.18"
E_N_169	132.751"	151.825"	1'-11.18"	8'-3.12"	0'-8"	10'-10.58"	6'-2.14"
E_N_170	133.862"	151.866"	1'-11.12"	8'-3.38"	0'-7.78"	10'-10.58"	6'-2.14"
E_N_171	134.967"	151.907"	1'-11.38"	8'-3.12"	0'-7.34"	10'-10.58"	6'-2.14"
E_N_172	135.104"	151.821"	1'-11.18"	8'-2.78"	0'-7.34"	10'-10.34"	6'-2.38"
E_N_173	135.836"	151.747"	2'-0.38"	8'-2.34"	0'-7.58"	10'-10.34"	6'-2.38"
E_N_174	136.543"	151.674"	2'-0.34"	8'-2.12"	0'-7.58"	10'-10.34"	6'-2.12"
E_N_175	137.227"	151.603"	2'-1"	8'-2.14"	0'-7.12"	10'-10.78"	6'-2.12"
E_N_176	137.886"	151.528"	2'-1.38"	8'-2.18"	0'-7.38"	10'-10.78"	6'-2.58"
E_N_177	138.624"	151.455"	2'-1.58"	8'-1.78"	0'-7.38"	10'-10.78"	6'-2.58"
E_N_178	139.141"	151.383"	2'-2"	8'-1.34"	0'-7.14"	10'-11.18"	6'-2.58"
E_N_179	139.611"	151.311"	2'-2.2"	8'-1.34"	0'-7.14"	10'-11.18"	6'-2.58"
E_N_180	140.083"	151.239"	2'-2.58"	8'-1.38"	0'-7.18"	10'-11.18"	6'-2.78"
E_N_181	140.874"	151.157"	2'-3"	8'-1.18"	0'-7"	10'-11.18"	6'-2.78"
E_N_182	141.414"	151.072"	2'-3.14"	8'-1"	0'-7"	10'-11.18"	6'-3"
E_N_183	141.938"	150.986"	2'-3.58"	8'-0.34"	0'-6.78"	10'-11.14"	6'-3.18"
E_N_184	142.444"	150.916"	2'-3.78"	8'-0.58"	0'-6.78"	10'-11.14"	6'-3.18"
E_N_185	142.934"	150.835"	2'-4.14"	8'-0.38"	0'-6.34"	10'-11.38"	6'-3.18"
E_N_186	143.409"	150.754"	2'-4.38"	8'-0.18"	0'-6.34"	10'-11.38"	6'-3.18"
E_N_187	143.870"	150.673"	2'-4.78"	8'-0"	0'-6.58"	10'-11.12"	6'-3.18"
E_N_188	144.315"	150.587"	2'-5.18"	7'-11.58"	0'-6.58"	10'-11.12"	6'-3.38"
E_N_189	144.747"	150.503"	2'-5.12"	7'-11.78"	0'-6.12"	10'-11.58"	6'-3.38"
E_N_190	145.167"	150.423"	2'-5.34"	7'-11.12"	0'-6.12"	10'-11.34"	6'-3.12"
E_N_191	145.573"	150.334"	2'-6.18"	7'-11.38"	0'-6.38"	10'-11.34"	6'-3.12"
E_N_192	145.967"	150.249"	2'-6.38"	7'-11.18"	0'-6.14"	10'-11.78"	6'-3.58"
E_N_193	146.348"	150.167"	2'-6.58"	7'-11.38"	0'-6.14"	10'-11.18"	6'-3.58"
E_N_194	146.720"	150.074"	2'-7"	7'-10.78"	0'-6.18"	10'-11.18"	6'-3.58"
E_N_195	147.081"	149.984"	2'-7.14"	7'-10.58"	0'-6.18"	11'-0"	6.38"
E_N_196	147.430"	149.896"	2'-7.58"	7'-10.12"	0'-6"	10'-1.18"	6'-3.78"
E_N_197	147.769"	149.803"	2'-7.78"	7'-10.38"	0'-6"	10'-1.14"	6'-3.78"
E_N_198	148.098"	149.713"	2'-8.18"	7'-10.18"	0'-6"	10'-0.14"	6'-3.78"
E_N_199	148.418"	149.625"	2'-8.12"	7'-10"	0'-5.78"	10'-0.38"	6'-4"
E_N_200	148.728"	149.537"	2'-8.12"	7'-10"	0'-5.78"	10'-0.38"	6'-4"
E_N_201	149.031"	149.451"	2'-8.38"	7'-9.34"	0'-5.34"	10'-0.12"	6'-4.18"
E_N_202	149.324"	149.363"	2'-9.38"	7'-9.12"	0'-5.34"	10'-0.58"	6'-4.18"
E_N_203	149.609"	149.252"	2'-9.58"	7'-9.38"	0'-5.58"	10'-0.58"	6'-4.14"
E_N_204	149.886"	149.156"	2'-9.78"	7'-9.14"	0'-5.58"	10'-0.34"	6'-4.38"
E_N_205	150.156"	149.057"	2'-10.18"	7'-9.18"	0'-5.12"	10'-0.34"	6'-4.38"
E_N_206	150.418"	148.962"	2'-10.38"	7'-9"	0'-5.12"	10'-0.78"	6'-4.12"
E_N_207	150.673"	148.865"	2'-10.34"	7'-8.34"	0'-5.38"	10'-0.78"	6'-4.12"
E_N_208	150.927"	148.771"	2'-10.34"	7'-7.58"	0'-5.38"	10'-1.12"	6'-4.12"
E_N_209	151.161"	148.686"	2'-11.14"	7'-8.12"	0'-5.38"	10'-1.18"	6'-4.58"
E_N_210	151.396"	148.599"	2'-11.12"	7'-8.38"	0'-5.14"	10'-1.18"	6'-4.34"
E_N_211	151.624"	148.471"	2'-11.34"	7'-8.14"	0'-5.14"	10'-1.14"	6'-4.38"
E_N_212	151.846"	148.362"	3'-0"	7'-8.18"	0'-5.18"	10'-1.14"	6'-4.78"
E_N_213	152.063"	148.269"	3'-0.14"	7'-8"	0'-5.18"	10'-1.38"	6'-4.78"
E_N_214	152.272"	148.169"	3'-0.12"	7'-7.78"	0'-5.18"	10'-1.12"	6'-5"
E_N_215	152.477"	148.074"	3'-0.12"	7'-7.38"	0'-5.18"	10'-1.12"	6'-5"
E_N_216	152.676"	147.979"	3'-1"	7'-7.58"	0'-5"	10'-1.58"	6'-5.18"
E_N_217	152.870"	147.858"	3'-1.14"	7'-7.12"	0'-4.78"	10'-1.58"	6'-5.18"
E_N_218	153.059"	147.752"	3'-1.12"	7'-7.38"	0'-4.78"	10'-1.34"	6'-5.14"
E_N_219	153.242"	147.643"	3'-1.34"	7'-7.14"	0'-4.78"	10'-1.34"	6'-5.14"
E_N_220	153.421"	147.541"	3'-2"	7'-7.18"	0'-4.34"	10'-1.78"	6'-5.38"
E_N_221	153.596"	147.444"	3'-2.14"	7'-7"	0'-4.34"	10'-1.78"	6'-5.38"
E_N_222	153.763"	147.348"	3'-2.18"	7'-6.58"	0'-4.34"	10'-1.78"	6'-5.38"
E_N_223	153.930"	147.231"	3'-2.58"	7'-6.34"	0'-4.58"	10'-1.28"	6'-5.18"
E_N_224	154.091"	147.129"	3'-2.78"	7'-6.58"	0'-4.58"	10'-2.18"	6'-5.12"
E_N_225	154.247"	147.015"	3'-3.18"	7'-6.12"	0'-4.58"	10'-2.14"	6'-5.58"
E_N_226	154.399"	146.921"	3'-3.38"	7'-6.38"	0'-4.12"	10'-2.14"	6'-5.58"
E_N_227	154.547"	146.814"	3'-3.12"	7'-6.14"	0'-4.12"	10'-2.38"	6'-5.58"
E_N_228	154.692"	146.703"	3'-3.34"	7'-6.18"	0'-4.12"	10'-2.38"	6'-5.58"
E_N_229	154.832"	146.593"	3'-3.18"	7'-6"	0'-4.38"	10'-2.12"	6'-5.38"
E_N_230	154.969"	146.483"	3'-3.18"	7'-5.58"	0'-4.38"	10'-2.12"	6'-5.38"
E_N_231	155.102"	146.393"	3'-4.38"	7'-5.78"	0'-4.38"	10'-2.58"	6'-5.34"
E_N_232	155.232"	146.292"	3'-4.58"	7'-5.34"	0'-4.14"	10'-2.58"	6'-5.34"
E_N_233	155.357"	146.175"	3'-4.34"	7'-5.58"	0'-4.14"	10'-2.34"	6'-5.34"
E_N_234	155.481"	146.072"	3'-5"	7'-5.12"	0'-4.14"	10'-2.34"	6'-5.78"
E_N_235	155.605"	145.964"	3'-5.18"	7'-5.12"	0'-4.14"	10'-2.34"	6'-5.78"
E_N_236	155.716"	145.851"	3'-5.38"	7'-5.38"	0'-4.18"	10'-2.78"	6'-5.78"
E_N_237	155.828"	145.738"	3'-5.38"	7'-5.38"	0'-4.18"	10'-2.78"	6'-5.78"
E_N_238	155.938"	145.651"	3'-5.34"	7'-5.18"	0'-4.18"	10'-3.5"	6'-5.78"
E_N_239	156.046"	145.545"	3'-5.78"	7'-5.18"	0'-4.18"	10'-3"	6'-6"
E_N_240	156.149"	145.443"	3'-6"	7'-5"	0'-4"	10'-3.18"	6'-6"
E_N_241	156.250"	145.347"	3'-6.14"	7'-4.78"	0'-4"	10'-3.18"	6'-6"
E_N_242	156.348"	145.246"	3'-6.38"	7'-4.78"	0'-4"	10'-3.18"	6'-6"
E_N_243	156.443"	145.151"	3'-6.12"	7'-4.34"	0'-4"	10'-3.14"	6'-6.18"
E_N_244	156.536"	145.056"	3'-6.12"	7'-4.34"	0'-4"	10'-3.14"	6'-6.18"
E_N_245	156.625"	144.948"	3'-6.78"	7'-4.58"	0'-3.78"	10'-3.38"	6'-6.18"
E_N_246	156.713"	144.860"	3'-7"	7'-4.12"	0'-3.78"	10'-3.38"	6'-6.18"
E_N_247	156.797"	144.758"	3'-7.18"	7'-4.12"	0'-3.78"	10'-3.38"	6'-6.18"
E_N_248	156.879"	144.651"	3'-7.14"	7'-4.38"	0'-3.34"	10'-3.12"	6'-6.14"
E_N_249	156.959"	144.571"	3'-7.38"	7'-4.14"	0'-3.34"	10'-3.12"	6'-6.14"
E_N_250	157.035"	144.477"	3'-7.58"	7'-4.14"	0'-3.34"	10'-3.12"	6'-6.14"
E_N_251	157.110"	144.378"	3'-7.58"	7'-4.14"	0'-3.34"	10'-3.12"	6'-6.14"
E_N_252	157.183"	144.279"	3'-7.78"	7'-4.14"	0'-3.34"	10'-3.58"	6'-6.18"
E_N_253	157.253"	144.212"	3'-8"	7'-4"	0'-3.58"	10'-3.58"	6'-6.18"
E_N_254	157.320"	144.123"	3'-8.18"	7'-4"	0'-3.58"	10'-3.34"	6'-6.38"
E_N_255	157.386"	144.052"	3'-8.14"	7'-3.78"	0'-3.58"	10'-3.34"	6'-6.38"
E_N_256	157.449"	143.966"	3'-8.38"	7'-3.78"	0'-3.58"	10'-3.34"	6'-6.38"
E_N_257	157.509"	143.886"	3'-8.12"	7'-3.34"	0'-3.58"	10'-3.78"	6'-6.18"
E_N_258	157.568"	143.803"	3'-8.12"	7'-3.34"	0'-3.58"	10'-3.78"	6'-6.18"
E_N_259	157.626"	143.719"	3'-8.12"	7'-3.34"	0'-3.58"	10'-3.78"	6'-6.18"
E_N_260	157.679"	143.648"	3'-8.34"	7'-3.58"	0'-3.12"	10'-4"	6'-6.18"
E_N_261	157.731"	143.587"	3'-8.78"	7'-3.58"	0'-3.12"	10'-4"	6'-6.58"
E_N_262	157.782"	143.511"	3'-9"	7'-3.12"	0'-3.12"	10'-4"	6'-6.58"
E_N_263	157.830"	143.455"	3'-9"	7'-3.12"	0'-3.12"	10'-4"	6'-6.58"
E_N_264	157.876"	143.371"	3'-9.18"	7'-3.12"	0'-3.12"	10'-4.18"	6'-6.58"
E_N_265	157.921"	143.319"	3'-9.14"	7'-3.38"	0'-3.12"	10'-4.18"	6'-6.58"
E_N_266	157.963"	143.267"	3'-9.18"	7'-3.38"	0'-3.12"	10'-4.18"	6'-6.58"
E_N_267	158.004"	143.204"	3'-9.38"				

E BRIDGE - S RUN									
ID	A01	A02	L01	L02	L03	LTOT	E01		
E_S_1_B	162.022"		0'-6"	3'-2.78"		3'-8.78"	2'-4.34"		
E_S_2_B	161.979"		0'-7"	3'-2.12"		3'-9.12"	4'-4.78"		
E_S_3_B	161.933"		0'-8"	3'-2.14"		3'-10.18"	4'-5.11"		
E_S_4_B	161.886"		0'-9"	3'-1.78"		3'-10.78"	4'-5.18"		
E_S_5_B	161.837"		0'-10"	3'-1.58"		3'-11.12"	4'-5.14"		
E_S_6_B	161.786"		0'-11"	3'-1.14"		4'-0.14"	4'-5.38"		
E_S_7_B	161.740"		0'-12"	3'-0.78"		4'-0.78"	4'-5.38"		
E_S_8_B	161.678"		0'-13"	3'-0.58"		4'-1.34"	4'-5.34"		
E_S_9_B	161.621"		1'-2.14"	3'-0.14"		4'-2.12"	4'-5.78"		
E_S_10_B	161.562"		1'-3.38"	3'-0"		4'-3.14"	4'-6"		
E_S_11_B	161.501"		1'-4.12"	2'-11.58"		4'-4.18"	4'-6.18"		
E_S_12_B	161.437"		1'-5.58"	2'-11.44"		4'-4.78"	4'-6.14"		
E_S_13_B	161.372"		1'-6.78"	2'-11"		4'-5.34"	4'-6.38"		
E_S_14_B	161.303"		1'-8"	2'-10.58"		4'-6.58"	4'-6.12"		
E_S_15_B	161.233"		1'-9.14"	2'-10.14"		4'-7.58"	4'-6.18"		
E_S_16_B	161.160"		1'-10.12"	2'-10"		4'-8.12"	4'-6.34"		
E_S_17_B	161.084"		1'-11.34"	2'-9.58"		4'-9.12"	4'-7"		
E_S_18_B	161.006"		2'-1.18"	2'-9.14"		4'-10.38"	4'-7.18"		
E_S_19_B	160.924"		2'-2.38"	2'-9"		4'-11.38"	4'-7.14"		
E_S_20_B	160.839"		2'-3.34"	2'-8.58"		5'-0.38"	4'-7.38"		
E_S_21_B	160.748"		2'-4.14"	2'-8.14"		5'-0.38"	4'-7.38"		
E_S_22_B	160.653"		2'-5.12"	2'-7.58"		5'-0.12"	4'-7.58"		
E_S_23_B	160.559"		2'-6"	2'-7.58"		5'-3.58"	4'-7.34"		
E_S_24_B	160.472"		2'-9.38"	2'-7.14"		5'-4.58"	4'-7.78"		
E_S_25_B	160.372"		2'-10.78"	2'-6.78"		5'-5.34"	4'-8"		
E_S_26_B	160.268"		3'-0.38"	2'-6.58"		5'-6.34"	4'-8.18"		
E_S_27_B	160.160"		3'-1.78"	2'-6.14"		5'-8.18"	4'-8.38"		
E_S_28_B	160.048"		3'-2.38"	2'-5.78"		5'-8.18"	4'-8.38"		
E_S_29_B	159.933"		3'-5"	2'-5.12"		5'-10.12"	4'-8.58"		
E_S_30_B	159.814"		3'-6.12"	2'-5.14"		5'-11.34"	4'-8.34"		
E_S_31_B	159.690"		3'-8.18"	2'-4.78"		6'-1"	4'-8.78"		
E_S_32_B	159.560"		3'-9.34"	2'-4.12"		6'-2.14"	4'-9"		
E_S_33_B	159.428"		3'-11.38"	2'-4.18"		6'-3.12"	4'-9.18"		
E_S_34_B	159.290"		4'-1.18"	2'-3.34"		6'-4.78"	4'-9.14"		
E_S_35_B	159.140"		4'-2.34"	2'-3.38"		6'-6.14"	4'-9.38"		
E_S_36_B	158.988"		4'-4.12"	2'-3.78"		6'-7.58"	4'-9.12"		
E_S_37_B	158.844"		4'-6.14"	2'-2.34"		6'-9"	4'-9.34"		
E_S_38_B	158.684"		4'-8"	2'-2.38"		6'-10.38"	4'-9.78"		
E_S_39_B	158.518"		4'-9.34"	2'-2"		6'-11.34"	4'-10"		
E_S_40_B	158.346"		4'-11.58"	2'-1.58"		7'-1.14"	4'-10.18"		
E_S_41_B	158.168"		5'-1.12"	2'-1.14"		7'-2.34"	4'-10.14"		
E_S_42_B	157.988"		5'-3.38"	2'-0.78"		7'-3.38"	4'-10.18"		
E_S_43_B	157.789"		5'-5.14"	2'-0.12"		7'-5.34"	4'-10.12"		
E_S_44_B	157.589"		5'-7.18"	2'-0.14"		7'-7.14"	4'-10.58"		
E_S_45_B	157.380"		5'-9"	1'-11.78"		7'-8.78"	4'-10.34"		
E_S_46_B	157.163"		5'-11"	1'-11.12"		7'-10.12"	4'-11"		
E_S_47_C	126.545"	157.079"	9'-1.98"	5'-11.12"	1'-11.14"	9'-7.78"	4'-11.18"		
E_S_48_C	127.944"	157.064"	9'-1.92"	5'-11.14"	1'-11.18"	9'-7.78"	4'-11.14"		
E_S_49_C	129.344"	157.042"	9'-1.12"	5'-10.78"	1'-11.38"	9'-7.78"	4'-11.18"		
E_S_50_C	130.688"	157.033"	10'-1.38"	5'-10.34"	1'-10.34"	9'-7.78"	4'-11.58"		
E_S_51_C	131.639"	157.018"	10'-1.10"	5'-10.12"	1'-10.58"	9'-7.34"	4'-11.34"		
E_S_52_C	132.751"	157.003"	10'-1.11"	5'-10.14"	1'-10.38"	9'-7.34"	4'-11.78"		
E_S_53_C	133.803"	156.987"	10'-1.12"	5'-10"	1'-10.14"	9'-7.78"	5'-0.18"		
E_S_54_C	134.802"	156.972"	2'-0"	5'-9.34"	1'-10.18"	9'-7.78"	5'-0.14"		
E_S_55_C	135.749"	156.956"	2'-0.38"	5'-9.58"	1'-10"	9'-7.78"	5'-0.38"		
E_S_56_C	136.640"	156.940"	2'-1.18"	5'-9.34"	1'-9.38"	9'-7.78"	5'-0.12"		
E_S_57_C	137.496"	156.923"	2'-1.18"	5'-9.14"	1'-9.58"	9'-7.78"	5'-0.34"		
E_S_58_C	138.305"	156.907"	2'-1.12"	5'-9"	1'-9.12"	9'-8"	5'-0.78"		
E_S_59_C	139.071"	156.890"	2'-2"	5'-8.78"	1'-9.18"	9'-8.18"	5'-1"		
E_S_60_C	139.800"	156.872"	2'-2.38"	5'-8.58"	1'-9.18"	9'-8.18"	5'-1.18"		
E_S_61_C	140.493"	156.856"	2'-2.34"	5'-8.12"	1'-9"	9'-8.14"	5'-1.14"		
E_S_62_C	141.148"	156.839"	2'-3.18"	5'-8.38"	1'-8.78"	9'-8.38"	5'-1.38"		
E_S_63_C	141.773"	156.822"	2'-3.12"	5'-8.14"	1'-8.38"	9'-8.14"	5'-1.38"		
E_S_64_C	142.366"	156.803"	2'-3.78"	5'-7.78"	1'-8.12"	9'-8.12"	5'-1.58"		
E_S_65_C	142.930"	156.786"	2'-4.14"	5'-8"	1'-8.38"	9'-8.58"	5'-1.34"		
E_S_66_C	143.467"	156.768"	2'-4.12"	5'-7.78"	1'-8.14"	9'-8.34"	5'-2"		
E_S_67_C	143.977"	156.749"	2'-4.78"	5'-7.34"	1'-8.18"	9'-8.34"	5'-2.18"		
E_S_68_C	144.462"	156.731"	2'-5.14"	5'-7.34"	1'-7.78"	9'-8.34"	5'-2.14"		
E_S_69_C	144.924"	156.713"	2'-5.58"	5'-7.58"	1'-7.34"	9'-9"	5'-2.38"		
E_S_70_C	145.362"	156.695"	2'-5.78"	5'-7.38"	1'-7.58"	9'-9.18"	5'-2.38"		
E_S_71_C	145.780"	156.674"	2'-6.14"	5'-7.18"	1'-7.12"	9'-9.14"	5'-2.58"		
E_S_72_C	146.178"	156.655"	2'-6.12"	5'-7.12"	1'-7.38"	9'-9.38"	5'-2.34"		
E_S_73_C	146.555"	156.636"	2'-6.78"	5'-7.38"	1'-7.14"	9'-9.12"	5'-2.78"		
E_S_74_C	146.914"	156.615"	2'-7.18"	5'-7.38"	1'-7"	9'-9.58"	5'-3"		
E_S_75_C	147.255"	156.595"	2'-7.38"	5'-7.38"	1'-6.78"	9'-9.34"	5'-3.18"		
E_S_76_C	147.579"	156.576"	2'-7.34"	5'-7.38"	1'-6.34"	9'-9.78"	5'-3.14"		
E_S_77_C	147.887"	156.555"	2'-8"	5'-7.38"	1'-6.18"	9'-10.18"	5'-3.18"		
E_S_78_C	148.178"	156.534"	2'-8.14"	5'-7.38"	1'-6.12"	9'-10.14"	5'-3.58"		
E_S_79_C	148.456"	156.514"	2'-8.12"	5'-7.38"	1'-6.38"	9'-10.14"	5'-3.34"		
E_S_80_C	148.718"	156.491"	2'-8.34"	5'-7.38"	1'-6.18"	9'-10.14"	5'-3.78"		
E_S_81_C	148.967"	156.471"	2'-9"	5'-7.38"	1'-6"	9'-10.12"	5'-4"		
E_S_82_C	149.203"	156.449"	2'-9.14"	5'-7.12"	1'-5.78"	9'-10.58"	5'-4.18"		
E_S_83_C	149.425"	156.426"	2'-9.38"	5'-7.12"	1'-5.34"	9'-10.34"	5'-4.14"		
E_S_84_C	149.635"	156.403"	2'-9.58"	5'-7.12"	1'-5.38"	9'-10.38"	5'-4.18"		
E_S_85_C	149.832"	156.383"	2'-9.78"	5'-7.12"	1'-5.12"	9'-10.12"	5'-4.12"		
E_S_86_C	150.019"	156.360"	2'-10"	5'-7.34"	1'-5.38"	9'-11.18"	5'-4.58"		
E_S_87_C	150.194"	156.337"	2'-10.14"	5'-7.34"	1'-5.14"	9'-11.14"	5'-4.34"		
E_S_88_C	150.358"	156.313"	2'-10.38"	5'-7.78"	1'-5.18"	9'-11.38"	5'-5"		
E_S_89_C	150.509"	156.290"	2'-10.12"	5'-7.78"	1'-5"	9'-11.12"	5'-5.18"		
E_S_90_C	150.652"	156.265"	2'-10.58"	5'-7.78"	1'-4.34"	9'-11.58"	5'-5.14"		
E_S_91_C	150.784"	156.241"	2'-11.18"	5'-7.38"	1'-4.58"	9'-12.18"	5'-5.18"		
E_S_92_C	150.907"	156.216"	2'-11"	5'-8.38"	1'-4.12"	9'-12.78"	5'-5.12"		
E_S_93_C	151.020"	156.193"	2'-11.18"	5'-8.12"	1'-4.38"	10'-0"	5'-5.58"		
E_S_94_C	151.122"	156.168"	2'-11.14"	5'-8.58"	1'-4.14"	10'-0.18"	5'-5.34"		
E_S_95_C	151.215"	156.144"	2'-11.14"	5'-8.34"	1'-4.18"	10'-0.14"	5'-5.78"		
E_S_96_C	151.300"	156.116"	2'-11.38"	5'-8"	1'-4"	10'-0.38"	5'-6"		
E_S_97_C	151.375"	156.092"	2'-11.12"	5'-9.18"	1'-3.78"	10'-0.12"	5'-6.18"		
E_S_98_C	151.442"	156.065"	2'-11.34"	5'-9.18"	1'-3.38"	10'-0.38"	5'-6.18"		
E_S_99_C	151.499"	156.040"	2'-11.58"	5'-9.12"	1'-3.58"	10'-0.38"	5'-6.38"		
E_S_100_C	151.547"	156.012"	2'-11.58"	5'-9.34"	1'-3.12"	10'-0.78"	5'-6.58"		
E_S_101_C	151.587"	155.985"	2'-11.34"	5'-9.14"	1'-3.38"	10'-1"	5'-6.34"		
E_S_102_C	151.619"	155.958"	2'-11.34"	5'-10.18"	1'-3.14"	10'-1.18"	5'-6.78"		
E_S_103_C	151.642"	155.930"	2'-11.34"	5'-10.38"	1'-3.18"	10'-1.14"	5'-7"		
E_S_104_C	151.657"	155.902"	2'-11.34"	5'-10.58"	1'-3"	10'-1.38"	5'-7.18"		
E_S_105_C	151.662"	155.874"	2'-11.78"	5'-10.58"	1'-3.38"	10'-1.38"	5'-7.18"		
E_S_106_C	151.660"	155.845"	2'-11.34"	5'-11.18"	1'-2.78"	10'-1.38"	5'-7.38"		
E_S_107_C	151.650"	155.816"	2'-11.34"	5'-11.38"	1'-2.58"	10'-1.78"	5'-7.12"		
E_S_108_C	151.630"	155.787"	2'-11.34"	5'-11.34"	1'-2.12"	10'-2"	5'-7.58"		
E_S_109_C	151.602"	155.756"	2'-11.34"	5'-11.34"	1'-2.38"	10'-2.18"	5'-7.34"		
E_S_110_C	151.566"	155.726"	2'-11.34"	5'-11.34"	1'-2.14"	10'-2.18"	5'-7.78"		
E_S_111_C	151.520"	155.697"	2'-11.58"	5'-10.58"	1'-2.18"	10'-2.38"	5'-8.18"		
E_S_112_C	151.468"	155.665"	2'-11.78"	5'-10.58"	1'-2.18"	10'-2.38"	5'-8.18"		
E_S_113_C	151.404"	155.632"	2'-11.12"	5'-10.78"	1'-1.78"	10'-2.58"	5'-8.38"		
E_S_114_C	151.334"	155.603"	2'-11.12"	5'-11.12"	1'-1.34"	10'-2.34"	5'-8.12"		
E_S_115_C	151.253"	155.570"	2'-11.38"	5'-11.38"	1'-1.38"	10'-2.38"	5'-8.58"		
E_S_116_C	151.162"	155.538"	2'-11.14"	5'-11.38"	1'-1.12"	10'-3"	5'-8.34"		
E_S_117_C	151.064"	155.504"	2'-11.18"	5'-11.38"	1'-1.38"	10'-3.18"	5'-8.78"		
E_S_118_C	150.956"	155.473"	2'-11"	5'-11.38"	1'-1.14"	10'-3.14"	5'-9"		
E_S_119_C	150.838"	155.438"	2'-10.78"	5'-11.38"	1'-1.38"	10'-3.38"	5'-9.18"		
E_S_120_C	150.711"	155.404"	2'-10.34"	5'-11.38"	1'-1"	10'-3.12"	5'-9.12"		
E_S_121_C	150.573"	155.370"	2'-10.58"	5'-11.38"	1'-1.14"	10'-3.58"	5'-9.14"		
E_S_122_C	150.425"	155.335"	2'-10.12"	5'-11.78"	1'-0.78"	10'-3.34"	5'-9.18"		
E_S_123_C	150.266"	155.300"	2'-10.14"	5'-11.38"	1'-0.34"	10'-3.78"	5'-9.12"		
E_S_124_C	150.096"	155.262"	2'-10.18"	5'-11.38"	1'-0.38"	10'-4.18"	5'-9.58"		
E_S_125_C	149.916"	155.229"	2'-9.78"	5'-11.38"	1'-0.12"	10'-4.14"	5'-9		

E BRIDGE - M RUN

ID	A01	A02	L01	L02	L03	LTOT	E01
E.M.1.A			0'-4.18"	1'-10.14"	1'-10.14"	4'-0.12"	1'-2.18"
E.M.2.A			0'-4.58"	1'-10.14"	1'-10.14"	4'-1.18"	1'-2.12"
E.M.3.A			0'-5.14"	1'-10.14"	1'-10.14"	4'-1.58"	1'-2.78"
E.M.15.A			0'-5.74"	1'-10.14"	1'-10.14"	4'-2.14"	1'-3.38"
E.M.5.A			0'-6.38"	1'-10.14"	1'-10.14"	4'-2.34"	1'-3.94"
E.M.6.A			0'-7"	1'-10.14"	1'-10.14"	4'-3.38"	1'-4.14"
E.M.7.A			0'-7.12"	1'-10.14"	1'-10.14"	4'-4"	1'-4.58"
E.M.8.A			0'-8.18"	1'-10.14"	1'-10.14"	4'-4.12"	1'-5"
E.M.9.A			0'-8.58"	1'-10.14"	1'-10.14"	4'-5.18"	1'-5.12"
E.M.10.A			0'-9.14"	1'-10.14"	1'-10.14"	4'-5.58"	1'-5.78"
E.M.12.A			0'-9.78"	1'-10.14"	1'-10.14"	4'-6.14"	1'-6.38"
E.M.13.A			0'-10.38"	1'-10.14"	1'-10.14"	4'-6.34"	1'-6.94"
E.M.13.A			0'-11"	1'-10.14"	1'-10.14"	4'-7.38"	1'-7.18"
E.M.14.A			0'-11.12"	1'-10.14"	1'-10.14"	4'-8"	1'-7.58"
E.M.15.A			1'-0.18"	1'-10.14"	1'-10.14"	4'-8.12"	1'-8"
E.M.16.A			1'-0.58"	1'-10.14"	1'-10.14"	4'-9.18"	1'-8.12"
E.M.17.A			1'-1.14"	1'-10.14"	1'-10.14"	4'-9.58"	1'-8.78"
E.M.18.A			1'-1.78"	1'-10.14"	1'-10.14"	4'-10.14"	1'-9.14"
E.M.19.A			1'-2.38"	1'-10.14"	1'-10.14"	4'-10.34"	1'-9.34"
E.M.20.A			1'-3"	1'-10.14"	1'-10.14"	4'-11.38"	1'-10.18"
E.M.21.A			1'-3.12"	1'-10.14"	1'-10.14"	5'-0"	1'-10.58"
E.M.22.A			1'-4.18"	1'-10.14"	1'-10.14"	5'-0.12"	1'-11"
E.M.23.A			1'-4.58"	1'-10.14"	1'-10.14"	5'-1.18"	1'-11.38"
E.M.24.A			1'-5.14"	1'-10.14"	1'-10.14"	5'-1.58"	1'-11.78"
E.M.25.A			1'-5.74"	1'-10.14"	1'-10.14"	5'-2.14"	1'-12.38"
E.M.26.A			1'-6.38"	1'-10.14"	1'-10.14"	5'-2.34"	1'-13.04"
E.M.27.A			1'-7"	1'-10.14"	1'-10.14"	5'-3.38"	1'-2.118"
E.M.28.A			1'-7.12"	1'-10.14"	1'-10.14"	5'-3.78"	1'-2.112"
E.M.29.A			1'-8.18"	1'-10.14"	1'-10.14"	5'-4.12"	1'-2.2"
E.M.30.A			1'-8.58"	1'-10.14"	1'-10.14"	5'-5.18"	1'-2.38"
E.M.31.A			1'-9.14"	1'-10.14"	1'-10.14"	5'-5.58"	1'-2.34"
E.M.32.A			1'-9.78"	1'-10.14"	1'-10.14"	5'-6.14"	1'-2.78"
E.M.33.A			1'-10.38"	1'-10.14"	1'-10.14"	5'-6.34"	1'-2.358"
E.M.34.A			1'-11"	1'-10.14"	1'-10.14"	5'-7.38"	1'-2.418"
E.M.35.A			1'-11.12"	1'-10.14"	1'-10.14"	5'-7.78"	1'-2.412"
E.M.36.A			2'-0.18"	1'-10.14"	1'-10.14"	5'-8.12"	1'-2.478"
E.M.37.A			2'-0.58"	1'-10.14"	1'-10.14"	5'-9.18"	1'-2.538"
E.M.38.A			2'-1.14"	1'-10.14"	1'-10.14"	5'-9.58"	1'-2.534"
E.M.39.A			2'-1.34"	1'-10.14"	1'-10.14"	5'-10.14"	1'-2.574"
E.M.40.A			2'-2.38"	1'-10.14"	1'-10.14"	5'-10.34"	1'-2.634"
E.M.41.A			2'-3"	1'-10.14"	1'-10.14"	5'-11.38"	1'-2.7"
E.M.42.A			2'-3.12"	1'-10.14"	1'-10.14"	5'-11.78"	1'-2.712"
E.M.43.A			2'-4.18"	1'-10.14"	1'-10.14"	6'-0.12"	1'-2.778"
E.M.44.A			2'-4.58"	1'-10.14"	1'-10.14"	6'-1.18"	1'-2.838"
E.M.45.A			2'-5.14"	1'-10.14"	1'-10.14"	6'-1.58"	1'-2.834"
E.M.46.A			2'-5.74"	1'-10.14"	1'-10.14"	6'-2.14"	1'-3.18"
E.M.47.A			2'-6.14"	1'-10.14"	1'-10.14"	6'-2.58"	1'-3.12"
E.M.48.A			2'-6.58"	1'-10.14"	1'-10.14"	6'-3"	1'-2.978"
E.M.49.A			2'-6.78"	1'-10.14"	1'-10.14"	6'-3.38"	1'-2.1014"
E.M.50.A			2'-7.14"	1'-10.14"	1'-10.14"	6'-3.58"	1'-2.1058"
E.M.51.A			2'-7.58"	1'-10.14"	1'-10.14"	6'-4"	1'-2.1078"
E.M.52.A			2'-8"	1'-10.14"	1'-10.14"	6'-4.38"	1'-2.1114"
E.M.53.A			2'-8.14"	1'-10.14"	1'-10.14"	6'-4.58"	1'-2.1158"
E.M.54.A			2'-8.58"	1'-10.14"	1'-10.14"	6'-5"	1'-3.0"
E.M.55.A			2'-9"	1'-10.14"	1'-10.14"	6'-5.38"	1'-3.014"
E.M.56.A			2'-9.14"	1'-10.14"	1'-10.14"	6'-5.34"	1'-3.058"
E.M.57.A			2'-9.58"	1'-10.14"	1'-10.14"	6'-6"	1'-3.1"
E.M.58.A			2'-10"	1'-10.14"	1'-10.14"	6'-6.38"	1'-3.114"
E.M.59.A			2'-10.14"	1'-10.14"	1'-10.14"	6'-6.58"	1'-3.158"
E.M.60.A			2'-10.58"	1'-10.14"	1'-10.14"	6'-7.18"	1'-3.194"
E.M.61.A			2'-10.78"	1'-10.14"	1'-10.14"	6'-7.38"	1'-3.214"
E.M.62.A			2'-11.14"	1'-10.14"	1'-10.14"	6'-7.58"	1'-3.258"
E.M.63.A			2'-11.12"	1'-10.14"	1'-10.14"	6'-8"	1'-3.278"
E.M.64.A			2'-11.78"	1'-10.14"	1'-10.14"	6'-8.14"	1'-3.314"
E.M.65.A			3'-0.14"	1'-10.14"	1'-10.14"	6'-8.58"	1'-3.312"
E.M.66.A			3'-0.12"	1'-10.14"	1'-10.14"	6'-8.78"	1'-3.378"
E.M.67.A			3'-0.58"	1'-10.14"	1'-10.14"	6'-9.18"	1'-3.4014"
E.M.68.A			3'-1.18"	1'-10.14"	1'-10.14"	6'-9.12"	1'-3.412"
E.M.69.A			3'-1.38"	1'-10.14"	1'-10.14"	6'-9.78"	1'-3.478"
E.M.70.A			3'-1.34"	1'-10.14"	1'-10.14"	6'-10.18"	1'-3.518"
E.M.71.A			3'-2"	1'-10.14"	1'-10.14"	6'-10.12"	1'-3.512"
E.M.72.A			3'-2.38"	1'-10.14"	1'-10.14"	6'-10.34"	1'-3.534"
E.M.73.A			3'-2.58"	1'-10.14"	1'-10.14"	6'-11"	1'-3.618"
E.M.74.A			3'-2.78"	1'-10.14"	1'-10.14"	6'-11.38"	1'-3.658"
E.M.75.A			3'-2.14"	1'-10.14"	1'-10.14"	6'-11.58"	1'-3.634"
E.M.76.A			3'-3.12"	1'-10.14"	1'-10.14"	6'-11.78"	1'-3.7"
E.M.77.A			3'-3.34"	1'-10.14"	1'-10.14"	6'-12.14"	1'-3.714"
E.M.78.A			3'-4.18"	1'-10.14"	1'-10.14"	7'-0.12"	1'-3.758"
E.M.79.A			3'-4.38"	1'-10.14"	1'-10.14"	7'-0.34"	1'-3.778"
E.M.80.A			3'-4.58"	1'-10.14"	1'-10.14"	7'-1.18"	1'-3.814"
E.M.81.A			3'-5.14"	1'-10.14"	1'-10.14"	7'-1.34"	1'-3.815"
E.M.82.A			3'-5.14"	1'-10.14"	1'-10.14"	7'-1.58"	1'-3.834"
E.M.83.A			3'-5.12"	1'-10.14"	1'-10.14"	7'-1.78"	1'-3.918"
E.M.84.A			3'-5.34"	1'-10.14"	1'-10.14"	7'-2.14"	1'-3.938"
E.M.85.A			3'-6"	1'-10.14"	1'-10.14"	7'-2.12"	1'-3.934"
E.M.86.A			3'-6.38"	1'-10.14"	1'-10.14"	7'-2.34"	1'-3.10"
E.M.87.A			3'-6.58"	1'-10.14"	1'-10.14"	7'-3"	1'-3.1014"
E.M.88.A			3'-7.18"	1'-10.14"	1'-10.14"	7'-3.12"	1'-3.1058"
E.M.89.A			3'-7.18"	1'-10.14"	1'-10.14"	7'-3.12"	1'-3.1078"
E.M.90.A			3'-7.38"	1'-10.14"	1'-10.14"	7'-3.34"	1'-3.1118"
E.M.91.A			3'-7.58"	1'-10.14"	1'-10.14"	7'-4.18"	1'-3.1138"
E.M.92.A			3'-7.78"	1'-10.14"	1'-10.14"	7'-4.38"	1'-3.1134"
E.M.93.A			3'-8.18"	1'-10.14"	1'-10.14"	7'-4.58"	1'-4.0"
E.M.94.A			3'-8.38"	1'-10.14"	1'-10.14"	7'-4.78"	1'-4.014"
E.M.95.A			3'-8.34"	1'-10.14"	1'-10.14"	7'-5.18"	1'-4.034"
E.M.96.A			3'-9"	1'-10.14"	1'-10.14"	7'-5.38"	1'-4.078"
E.M.97.A			3'-9.14"	1'-10.14"	1'-10.14"	7'-5.58"	1'-4.118"
E.M.98.A			3'-9.38"	1'-10.14"	1'-10.14"	7'-5.78"	1'-4.138"
E.M.99.A			3'-9.58"	1'-10.14"	1'-10.14"	7'-6.18"	1'-4.158"
E.M.100.A			3'-9.78"	1'-10.14"	1'-10.14"	7'-6.38"	1'-4.178"
E.M.101.A			3'-10.18"	1'-10.14"	1'-10.14"	7'-6.58"	1'-4.214"
E.M.102.A			3'-10.38"	1'-10.14"	1'-10.14"	7'-7.18"	1'-4.218"
E.M.103.A			3'-10.34"	1'-10.14"	1'-10.14"	7'-7.18"	1'-4.234"
E.M.104.A			3'-11"	1'-10.14"	1'-10.14"	7'-7.38"	1'-4.3"
E.M.105.A			3'-11.14"	1'-10.14"	1'-10.14"	7'-7.58"	1'-4.314"
E.M.106.A			3'-11.12"	1'-10.14"	1'-10.14"	7'-7.78"	1'-4.312"
E.M.107.A			3'-11.34"	1'-10.14"	1'-10.14"	7'-8.18"	1'-4.334"
E.M.108.A			4'-0"	1'-10.14"	1'-10.14"	7'-8.12"	1'-4.4"
E.M.109.A			4'-0.14"	1'-10.14"	1'-10.14"	7'-8.14"	1'-4.443"
E.M.110.A			4'-0.58"	1'-10.14"	1'-10.14"	7'-9"	1'-4.458"
E.M.111.A			4'-0.78"	1'-10.14"	1'-10.14"	7'-9.14"	1'-4.478"
E.M.112.A			4'-1.18"	1'-10.14"	1'-10.14"	7'-9.12"	1'-4.518"
E.M.113.A			4'-1.38"	1'-10.14"	1'-10.14"	7'-9.34"	1'-4.538"
E.M.114.A			4'-1.58"	1'-10.14"	1'-10.14"	7'-10"	1'-4.558"
E.M.115.A			4'-1.78"	1'-10.14"	1'-10.14"	7'-10.14"	1'-4.578"
E.M.116.A			4'-2.18"	1'-10.14"	1'-10.14"	7'-10.12"	1'-4.618"
E.M.117.A			4'-2.38"	1'-10.14"	1'-10.14"	7'-10.34"	1'-4.638"
E.M.118.A			4'-2.58"	1'-10.14"	1'-10.14"	7'-11"	1'-4.658"
E.M.119.A			4'-2.78"	1'-10.14"	1'-10.14"	7'-11.14"	1'-4.678"
E.M.120.A			4'-3"	1'-10.14"	1'-10.14"	7'-11.12"	1'-4.7"
E.M.121.A			4'-3.14"	1'-10.14"	1'-10.14"	7'-11.34"	1'-4.714"
E.M.122.A			4'-3.12"	1'-10.14"	1'-10.14"	8'-0"	1'-4.712"
E.M.123.A			4'-3.34"	1'-10.14"	1'-10.14"	8'-0.18"	1'-4.734"
E.M.124.A			4'-4"	1'-10.14"	1'-10.14"	8'-0.38"	1'-4.8"
E.M.125.A			4'-4.14"	1'-10.14"	1'-10.14"	8'-0.58"	1'-4.814"
E.M.126.A			4'-4.12"	1'-10.14"	1'-10.14"	8'-0.78"	1'-4.812"
E.M.127.A			4'-4.58"	1'-10.14"	1'-10.14"	8'-1.18"	1'-4.834"
E.M.128.A			4'-4.78"	1'-10.14"	1'-10.14"	8'-1.38"	1'-4.9"
E.M.129.A			4'-5.18"	1'-10.14"	1'-10.14"	8'-1.12"	1'-4.918"
E.M.130.A			4'-5.38"	1'-10.14"	1'-10.14"	8'-1.34"	1'-4.938"
E.M.131.A			4'-5.58"	1'-10.14"	1'-10.14"	8'-2"	1'-4.958"
E.M.132.A			4'-5.34"	1'-10.14"	1'-10.14"	8'-2.14"	1'-4.978"
E.M.133.A			4'-6"	1'-10.14"	1'-10.14"	8'-2.38"	1'-4.1018"
E.M.134.A			4'-6.14"	1'-10.14"	1'-10.14"	8'-2.58"	1'-4.1038"

E BRIDGE - M RUN

ID	A01	A02	L01	L02	L03	LTOT	E01
E.M.135.A			4'-6.38"	1'-10.14"	1'-10.14"	8'-2.78"	1'-4.1012"
E.M.136.A			4'-6.58"	1'-10.14"	1'-10.14"	8'-3"	1'-4.1034"
E.M.137.A			4'-6.78"	1'-10.14"	1'-10.14"	8'-3.14"	1'-4.11"
E.M.138.A			4'-7"	1'-10.14"	1'-10.14"	8'-3.12"	1'-4.1114"
E.M.139.A			4'-7.14"	1'-10.14"	1'-10.14"	8'-3.58"	1'-4.1138"
E.M.140.A			4'-7.38"	1'-10.14"	1'-10.14"	8'-3.78"	1'-4.1158"
E.M.141.A			4'-7.58"	1'-10.14"	1'-10.14"	8'-4"	1'-4.1178"
E.M.142.A			4'-7.78"	1'-10.14"	1'-10.14"	8'-4.14"	1'-5.0"
E.M.143.A			4'-8"	1'-10.14"	1'-10.14"	8'-4.38"	1'-5.014"
E.M.144.A			4'-8.14"	1'-10.14"	1'-10.14"	8'-4.58"	1'-5.012"
E.M.145.A			4'-8.38"	1'-10.14"	1'-10.14"	8'-4.34"	1'-5.058"
E.M.146.A			4'-8.58"	1'-10.14"	1'-10.14"	8'-5"	1'-5.078"
E.M.147.A			4'-8.34"	1'-10.14"	1'-10.14"	8'-5.18"	1'-5.118"
E.M.148.A			4'-9"	1'-10.14"	1'-10.14"	8'-5.38"	1'-5.114"
E.M.149.A			4'-9.18"	1'-10.14"	1'-10.14"	8'-5.12"	1'-5.112"
E.M.150.A			4'-9.38"	1'-10.14"	1'-10.14"	8'-5.34"	1'-5.134"
E.M.151.A			4'-9.12"	1'-10.14"	1'-10.14"	8'-5.78"	1'-5.178"
E.M.152.A			4'-9.58"	1'-10.14"	1'-10.14"	8'-6.18"	1'-5.218"
E.M.153.A			4'-9.78"	1'-10.14"	1'-10.14"	8'-6.14"	1'-5.214"
E.M.154.A			4'-10"	1'-10.14"	1'-10.14"	8'-6.38"	1'-5.212"
E.M.155.A			4'-10.18"	1'-10.14"	1'-10.14"	8'-6.58"	1'-5.258"
E.M.156.A			4'-10.38"	1'-10.14"	1'-10.14"	8'-6.34"	1'-5.418"
E.M.157.A			4'-10.12"	1'-10.14"	1'-10.14"	8'-6.58"	1'-5.438"
E.M.158.A			4'-10.58"	1'-10.14"	1'-10.14"	8'-7.18"	1'-5.314"
E.M.159.A			4'-10.78"	1'-10.14"	1'-10.14"	8'-7.14"	1'-5.338"
E.M.160.A			4'-11"	1'-10.14"	1'-10.14"	8'-7.38"	1'-5.358"
E.M.161.A			4'-11.18"	1'-10.14"	1'-10.14"	8'-7.12"	1'-5.334"
E.M.162.A			4'-11.38"	1'-10.14"	1'-10.14"	8'-7.34"	1'-5.418"
E.M.163.A			4'-11.12"	1'-10.14"	1'-10.14"	8'-7.78"	1'-5.414"
E.M.164.A			4'-11.34"	1'-10.14"	1'-10.14"	8'-7.58"	1'-5.438"
E.M.165.A			4'-11.78"	1'-10.14"	1'-10.14"	8'-8.14"	1'-5.412"
E.M.166.A			5'-0.18"	1'-10.14"	1'-10.14"	8'-8.12"	1'-5.434"
E.M.167.A			5'-0.14"	1'-10.14"	1'-10.14"	8'-8.58"	1'-5.478"
E.M.168.A			5'-0.38"	1'-10.14"	1'-10.14"	8'-8.78"	1'-5.5"
E.M.169.A			5'-0.58"	1'-10.14"	1'-10.14"	8'-9"	1'-5.514"
E.M.170.A			5'-0.34"	1'-10.14"	1'-10.14"	8'-9.14"	1'-5.538"
E.M.171.A			5'-1"	1'-10.14"	1'-10.14"	8'-9.38"	1'-5.534"
E.M.172.A			5'-1.18"	1'-10.14"	1'-10.14"	8'-9.12"	1'-5.534"
E.M.173.A			5'-1.14"	1'-10.14"	1'-10.14"	8'-9.34"	1'-5.578"
E.M.174.A			5'-1.12"	1'-10.14"	1'-10.14"	8'-9.78"	1'-5.618"
E.M.175.A			5'-1.58"	1'-10.14"	1'-10.14"	8'-10"	1'-5.614"
E.M.176.A			5'-1.34"	1'-10.14"	1'-10.14"	8'-10.14"	1'-5.638"
E.M.177.A			5'-2"	1'-10.14"	1'-10.14"	8'-10.38"	1'-5.638"
E.M.178.A			5'-2.18"	1'-10.14"	1'-10.14"	8'-10.58"	1'-5.638"
E.M.179.A			5'-2.14"	1'-10.14"	1'-10.14"	8'-10.58"	1'-5.678"
E.M.180.A			5'-2.38"	1'-10.14"	1'-10.14"	8'-10.78"	1'-5.7"
E.M.181.A			5'-2.58"	1'-10.14"	1'-10.14"	8'-11"	1'-5.714"
E.M.182.A			5'-2.34"	1'-10.14"	1'-10.14"	8'-11.18"	1'-5.738"
E.M.183.A			5'-2.78"	1'-10.14"	1'-10.14"	8'-11.14"	1'-5.758"
E.M.184.A			5'-3"	1'-10.14"	1'-10.14"	8'-11.12"	1'-5.782"
E.M.185.A			5'-3.18"	1'-10.14"	1'-10.14"	8'-10.52"	1'-5.782"
E.M.186.A			5'-3.38"	1'-10.14"	1'-10.14"	8'-11.34"	1'-5.782"
E.M.187.A			5'-3.12"	1'-10.14"	1'-10.14"	8'-11.78"	1'-5.818"
E.M.188.A			5'-3.58"	1'-10.14"	1'-10.14"	9'-0"	1'-5.814"
E.M.189.A			5'-3.34"	1'-10.14"	1'-10.14"	9'-0.18"	1'-5.838"
E.M.190.A			5'-3.78"	1'-10.14"	1'-10.14"	9'-0.14"	1'-5.858"
E.M.191.A			5'-4"	1'-10.14"	1'-10.14"	9'-0.38"	1'-5.882"
E.M.192.A			5'-4.18"	1'-10.14"	1'-10.14"	9'-0.12"	1'-5.878"
E.M.193.A			5'-4.38"	1'-10.14"	1'-10.14"	9'-0.58"	1'-5.9"
E.M.194.A			5'-4.38"	1'-10.14"	1'-10.14"	9'-0.34"	1'-5.934"
E.M.195.A			5'-4.12"	1'-10.14"	1'-10.14"	9'-0.78"	1'-5.914"
E.M.196.A			5'-4.58"	1'-10.14"	1'-10.14"	9'-1"	1'-5.938"
E.M.197.A			5'-4.34"	1'-10.14"	1'-10.14"	9'-1.18"	1'-5.912"
E.M.198.A			5'-4.78"	1'-10.14"	1'-10.14"	9'-1.14"	1'-5.958"
E.M.199.A			5'-5"	1'-10.14"	1'-10.14"	9'-1.38"	1'-5.934"
E.M.200.A			5'-5.18"	1'-10.14"	1'-10.14"	9'-0.12"	1'-5.978"
E.M.201.A			5'-5.14"	1'-10.14"	1'-10.14"	9'-1.58"	1'-5.10"
E.M.202.A			5'-5.38"	1'-10.14"	1'-10.14"	9'-1.34"	1'-5.1018"
E.M.203.A			5'-5.12"	1'-10.14"	1'-10.14"	9'-1.78"	1'-5.1014"
E.M.204.A			5'-5.12"	1'-10.14"	1'-10.14"	9'-2"	1'-5.1028"
E.M.205.A			5'-5.58"	1'-10.14"	1'-10.14"	9'-2.5"	1'-5.1032"
E.M.206.A			5'-5.34"	1'-10.14"	1'-10.14"	9'-2.18"	1'-5.1058"
E.M.207.A			5'-5.78"	1'-10.14"	1'-10.14"	9'-2.58"	1'-5.1034"
E.M.208.A			5'-6"	1'-10.14"	1'-10.14"	9'-2.38"	1'-5.1078"
E.M.209.A			5'-6"	1'-10.14"	1'-10.14"	9'-2.12"	1'-5.11"
E.M.210.A			5'-6.18"	1'-10.14"	1'-10.14"	9'-2.12"	1'-5.1118"
E.M.211.A			5'-6.14"	1'-10.14"	1'-10.14"	9'-2.58"	1'-5.1114"
E.M.212.A			5'-6.38"	1'-10.14"	1'-10.14"	9'-2.34"	1'-5.1138"
E.M.213.A			5'-6.38"	1'-10.14"	1'-10.14"	9'-2.78"	1'-5.1152"
E.M.214.A			5'-6.12"	1'-10.14"	1'-10.14"	9'-3.12"	1'-5.1158"
E.M.215.A			5'-6.58"	1'-10.14"	1'-10.14"	9'-3"	1'-5.1158"
E.M.216.A			5'-6.58"	1'-10.14"	1'-10.14"	9'-3.18"	1'-5.1134"
E.M.217.A			5'-6.34"	1'-10.14"	1'-10.14"	9'-3.18"	1'-5.1178"
E.M.218.A			5'-6.78"	1'-10.14"	1'-10.14"	9'-3.14"	1'-6.0"
E.M.219.A			5'-6.78"	1'-10.14"	1'-10.14"	9'-3.14"	1'-6.018"
E.M.220.A			5'-7"	1'-10.14"	1'-10.14"	9'-3.38"	1'-6.018"
E.M.221.A			5'-7"	1'-10.14"	1'-10.14"	9'-3.12"	1'-6.018"
E.M.222.A			5'-7.18"	1'-10.14"	1'-10.14"	9'-3.12"	1'-6.038"
E.M.223.A			5'-7.14"	1'-10.14"	1'-10.14"	9'-3.58"	1'-6.012"
E.M.224.A			5'-7.38"	1'-10.14"	1'-10.14"	9'-3.34"	1'-6.012"
E.M.225.A			5'-7.12"	1'-10.14"	1'-10.14"	9'-3.78"	1'-6.058"
E.M.226.A			5'-7.58"	1'-10.14"	1'-10.14"	9'-4"	1'-6.034"
E.M.227.A			5'-7.34"	1'-10.14"	1'-10.14"	9'-4.18"	1'-6.078"
E.M.228.A			5'-7.34"	1'-10.14"	1'-10.14"	9'-4.18"	1'-6.078"
E.M.229.A			5'-7.78"	1'-10.14"	1'-10.14"	9'-4.14"	1'-6.11"
E.M.230.A			5'-8"	1'-10.14"	1'-10.14"	9'-4.38"	1'-6.118"
E.M.231.A			5'-8.18"	1'-10.14"	1'-10.14"	9'-4.12"	1'-6.154"
E.M.232.A			5'-8.18"	1'-10.14"	1'-10.14"	9'-4.58"	1'-6.114"
E.M.233.A			5'-8.14"	1'-10.14"	1'-10.14"	9'-4.58"	1'-6.138"
E.M.234.A			5'-8.38"	1'-10.14"	1'-10.14"	9'-4.34"	1'-6.138"
E.M.235.A			5'-8.12"	1'-10.14"	1'-10.14"	9'-4.78"	1'-6.112"
E.M.236.A			5'-8.12"	1'-10.14"	1'-10.14"	9'-5.18"	1'-6.158"
E.M.237.A			5'-8.58"	1'-10.14"	1'-10.14"	9'-5"	1'-6.154"
E.M.238.A			5'-8.34"	1'-10.14"	1'-10.14"	9'-5.18"	1'-6.134"
E.M.239.A			5'-8.34"	1'-10.14"	1'-10.14"	9'-5.14"	1'-6.134"
E.M.240.A			5'-8.78"	1'-10.14"	1'-10.14"	9'-5.14"	1'-6.178"
E.M.241.A			5'-9"	1'-10.14"	1'-10.14"	9'-5.38"	1'-6.2"
E.M.242.A			5'-9"	1'-10.14"	1'-10.14"	9'-5.38"	1'-6.2"
E.M.243.A			5'-9.18"	1'-10.14"	1'-10.14"	9'-5.12"	1'-6.218"
E.M.244.A			5'-9.18"	1'-10.14"	1'-10.14"	9'-5.58"	1'-6.214"
E.M.245.A			5'-9.14"	1'-10.14"	1'-10.14"	9'-5.58"	1'-6.218"
E.M.246.A			5'-9.14"	1'-10.14"	1'-10.14"	9'-5.34"	1'-6.214"
E.M.247.A			5'-9.38"	1'-10.14"	1'-10.14"	9'-5.34"	1'-6.238"
E.M.248.A			5'-9.38"	1'-10.14"	1'-10.14"	9'-5.78"	1'-6.238"
E.M.249.A			5'-9.12"	1'-10.14"	1'-10.14"	9'-5.78"	1'-6.212"
E.M.250.A			5'-9.12"	1'-10.14"	1'-10.14"	9'-6.18"	1'-6.212"
E.M.251.A			5'-9.58"	1'-10.14"	1'-10.14"	9'-6"	1'-6.258"
E.M.252.A			5'-9.58"	1'-10.14"	1'-10.14"	9'-6.18"	1'-6.258"
E.M.253.A			5'-9.34"	1'-10.14"	1'-10.14"	9'-6.18"	1'-6.234"
E.M.254.A			5'-9.34"	1'-10.14"	1'-10.14"	9'-6.18"	1'-6.234"
E.M.255.A			5'-9.34"	1'-10.14"	1'-10.14"	9'-6.14"	1'-6.234"
E.M.256.A			5'-9.78"	1'-10.14"	1'-10.14"	9'-6.14"	1'-6.278"
E.M.257.A			5'-9.78"	1'-10.14"	1'-10.14"	9'-6.14"	1'-6.278"
E.M.258.A			5'-10"	1'-10.14"	1'-10.14"	9'-6.38"	1'-6.278"
E.M.259.A			5'-10"	1'-10.14"	1'-10.14"	9'-6.38"	1'-6.3"
E.M.260.A			5'-10"	1'-10.14"	1'-10.14"	9'-6.38"	1'-6.3"
E.M.261.A			5'-10"	1'-10.14"	1'-10.14"	9'-6.12"	1'-6.318"
E.M.262.A			5'-10.18"	1'-10.14"	1'-10.14"	9'-6.12"	1'-6.318"
E.M.263.A			5'-10.18"	1'-10.14"	1'-10.14"	9'-6.12"	1'-6.318"
E.M.264.A			5'-10.18"	1'-10.14"	1'-10.14"	9'-6.18"	1'-6.318"
E.M.265.A			5'-10.18"	1'-10.14"	1'-10.14"	9'-6.58"	1'-6.318"
E.M.266.A			5'-10.14"	1'-10.14"	1'-10.14"	9'-6.58"	1'-6.314"
E.M.267.A			5'-10.14"	1'-10.14"	1'-10.14"	9'-6.58"	1'-6.314"
E.M.268.A			5'-10.14"	1'-10.14"	1'-10.14"	9'-6.58"	1'-6.314"