

9/2/20 City Comments

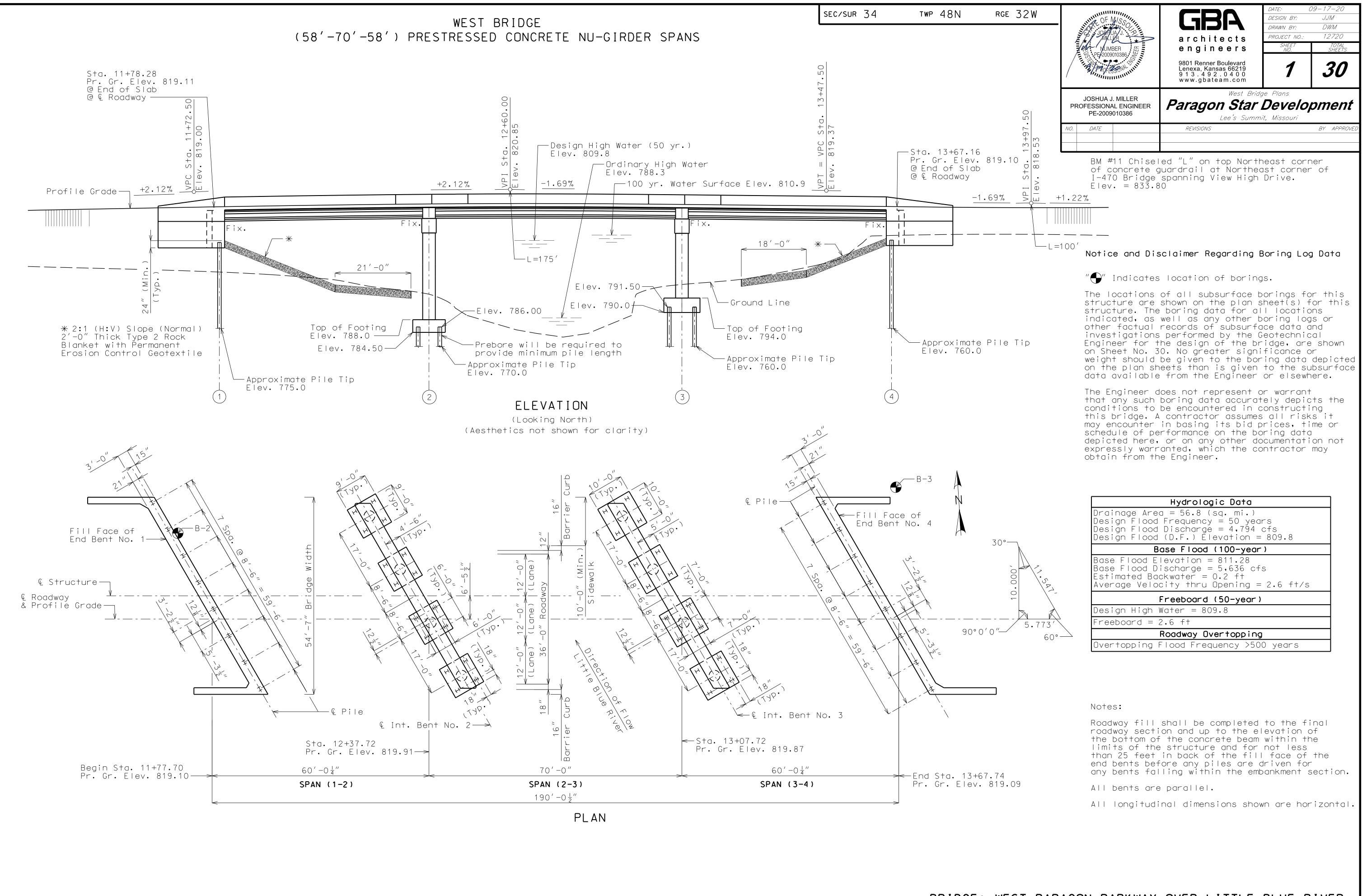
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9801 Renner Boulevard Lenexa, Kansas 66219 9134920400 www.gbateam.com

9/17/20 DATE:

9/17/20 - FOR CONSTRUCTION



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 specificiation. 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 $Earth = 120 \ Ib/cf$ Equivalent Fluid Pressure = 70 lb/cf Design Unit Stresses: Class B Concrete (Substructure) f'c = 4,000 psif'c = 4,000 psiClass B-1 Concrete (Barrier Curb) Class B-2 Concrete (Superstructure except f'c = 4,000 psiBarrier Curb Reinforcing Steel (Grade 60) fy = 60,000 psiStructural Steel HP Pile (ASTM A709 Grade 50S) fy = 50,000 psiFor 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 BENT NUME DESIGN TYPE DATA 2 1 HP12x53 HP12x53 'ile Type and Size Number 16 64 16 Approximate Length per Each ile Point Reinforcement 16 8 e Load 770 Min. Galvanized Penetration (Elev.) ft 745 Bearina Est. Max Scour Depth 500 (Elev.) f + 1 794 790 Pile

WEAP = Wave Equation Analysis of Piles

Resistance Factor

Minimum Nominal Axial

Compressive Resistance

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

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

Pile Driving Verification Method

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.

kip

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.

WEAP

0.5

518

WEAP

0.5

504

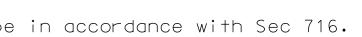
Pile point reinforcement need not be galvanized. Shop drawings will not be required for pile point reinforcement.

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.

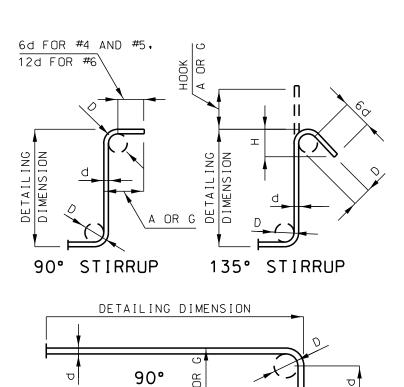
Method of forming the slab shall be as shown on the plans and in accordance with Sec 703. All hardware for forming the slab to be left in place as a permanent part of the structure shall be coated in accordance with ASTM A123 or ASTM B633 with a thickness class SC 4 and a finish type I, II, or III.

Contractor to provide shoring plan for piers signed and sealed by a professional engineer licensed in the State of Missouri.

Contractor shall provide rebar shop drawings for review prior to ordering reinforcement.



BER	
3	4
HP12×53	HP12×53
16	8
32	50
16	8
760	760
791	790
WEAP	WEAP
0.5	0.5
522	518



DETAILING DIMENSION

4d OR 2 1/2" MIN.

STI	RRUP H	IOOK D	IMENSI	0						
GRADES 40 - 50 - 60 KSI										
BAR	D	90° ноок	1 35°	нС						
SIZE	(IN.)	HOOK A OR G	HOOK A OR G	A						
#4	2″	4 1/2"	4 1/2"							
#5	2 1/2"	6″	5 1/2″							
#6	4 1/2″	12″	8″	4						

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

	END HO	OK DIN	MENSION	IS					
		ALL GRADES							
BAR		180°	HOOKS	90° HOOKS					
SIZE	(IN.)	A OR G	J	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.

HOOK

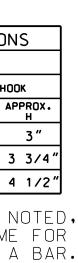
A OR G

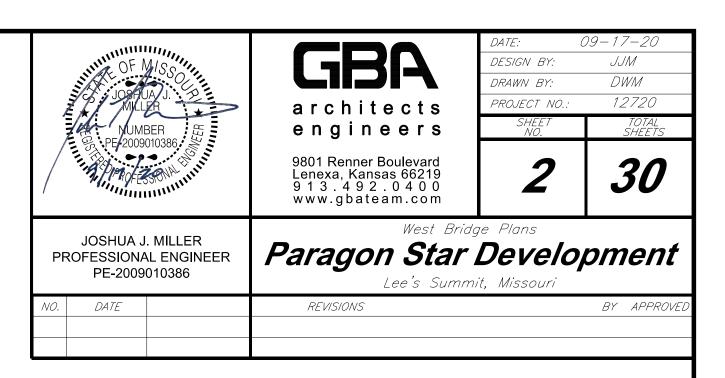
V = BAR DIMENSIONS VARY IN EQUAL INCREMENTS BETWEEN DIMENSIONS SHOWN ON THIS LINE AND THE FOLLOWING LINE. NO. EA. = NUMBER OF BARS OF EACH LENGTH.

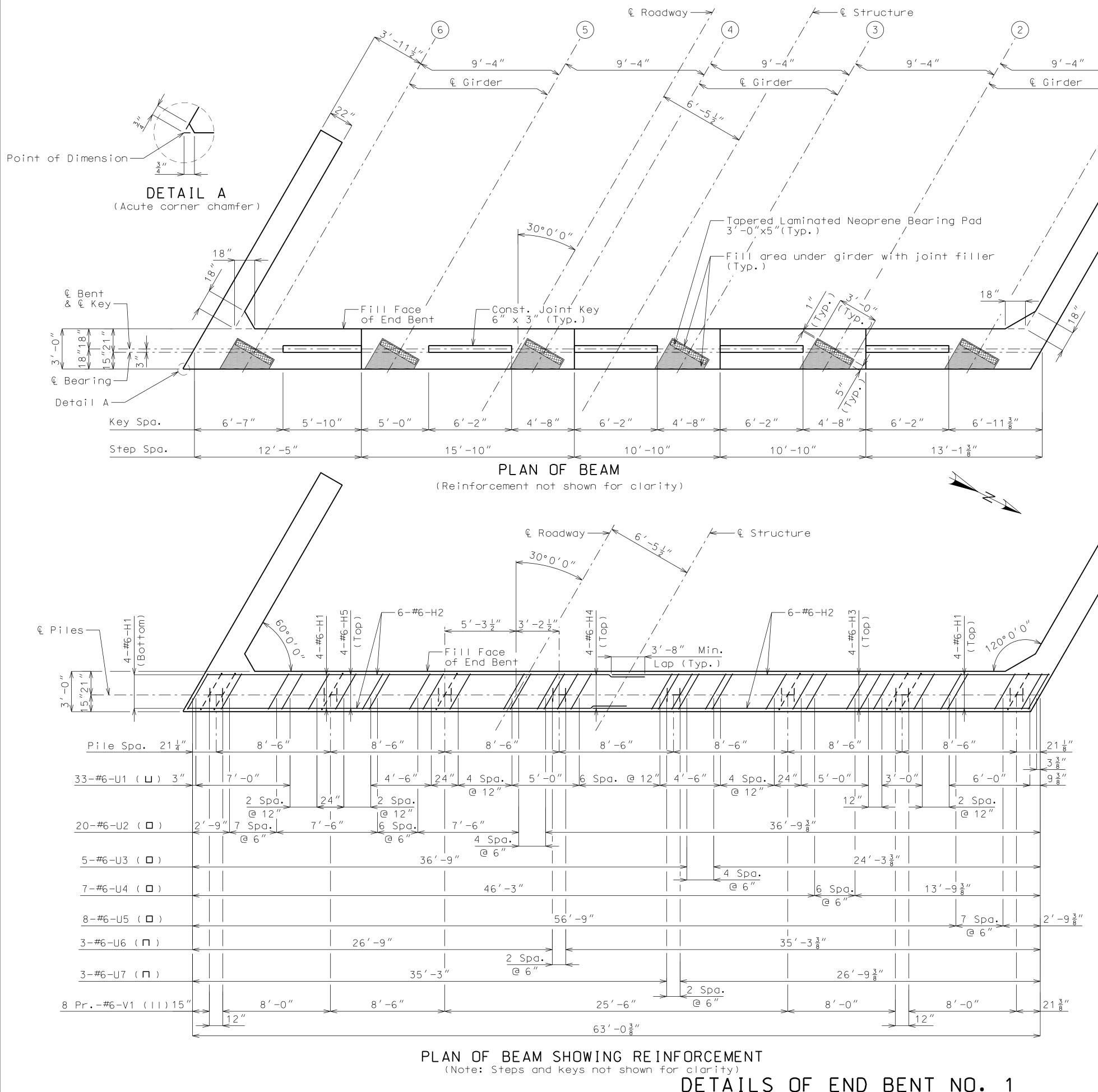
NOMINAL LENGTHS ARE BASED ON OUT TO OUT DIMENSIONS SHOWN IN BENDING DIAGRAMS AND ARE LISTED FOR FABRICATORS USE. (NEAREST INCH) ACTUAL LENGTHS ARE MEASURED ALONG CENTERLINE BAR TO THE NEAREST INCH. PAYWEIGHTS ARE BASED ON ACTUAL LENGTHS. FOUR ANGLE OR CHANNEL SPACERS ARE REQUIRED FOR EACH COLUMN SPIRAL, 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.

For all drill and grout applications the contractor shall use one of the qualified resin anchor systems in accordance with Sec. 1039

GENERAL NOTES







scale.	Follow	v dimensions.

DETAILS OF END BENT NO. 1

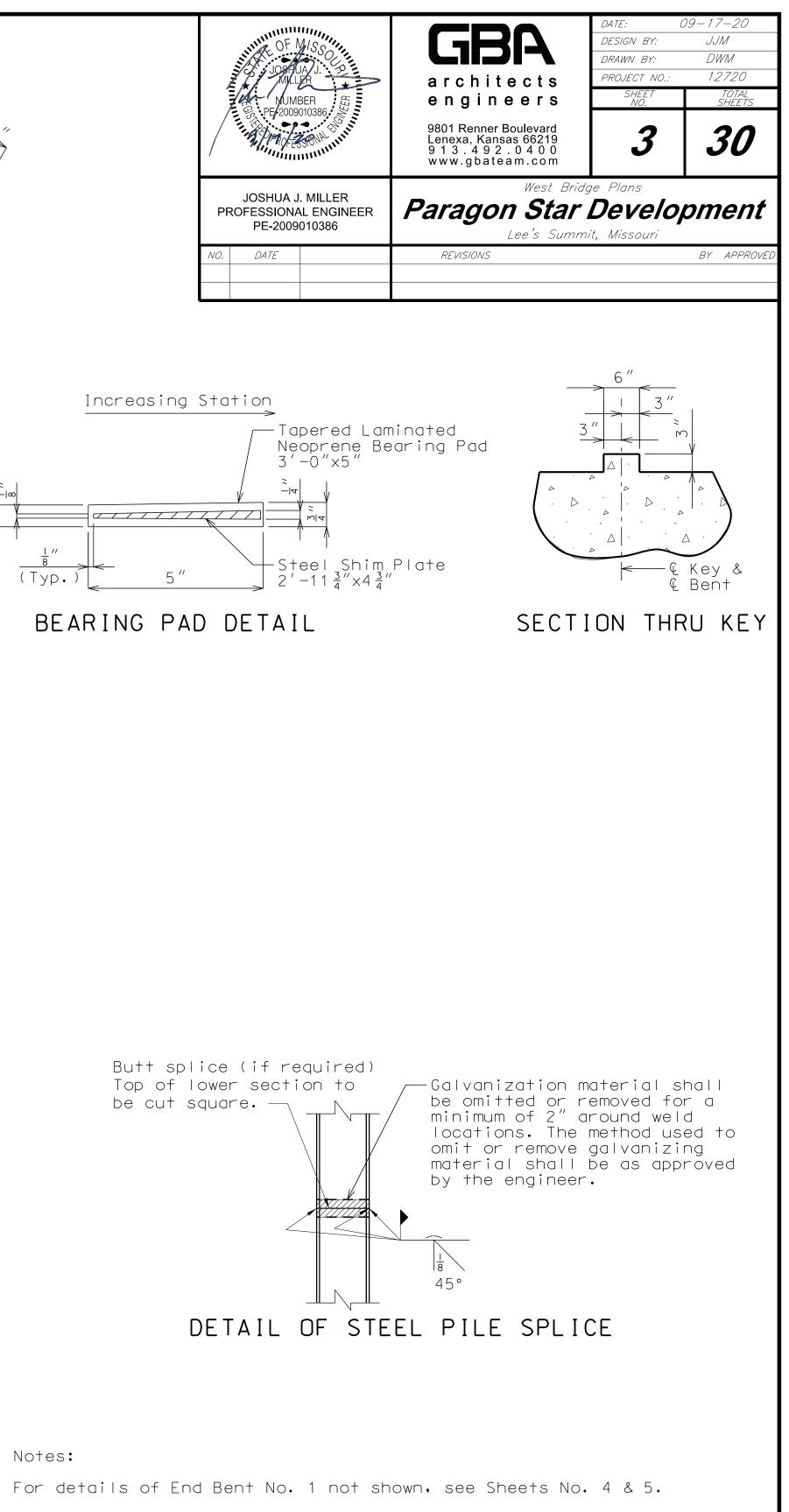
RF	INF	ORCEMENT	
	_	clarity)	

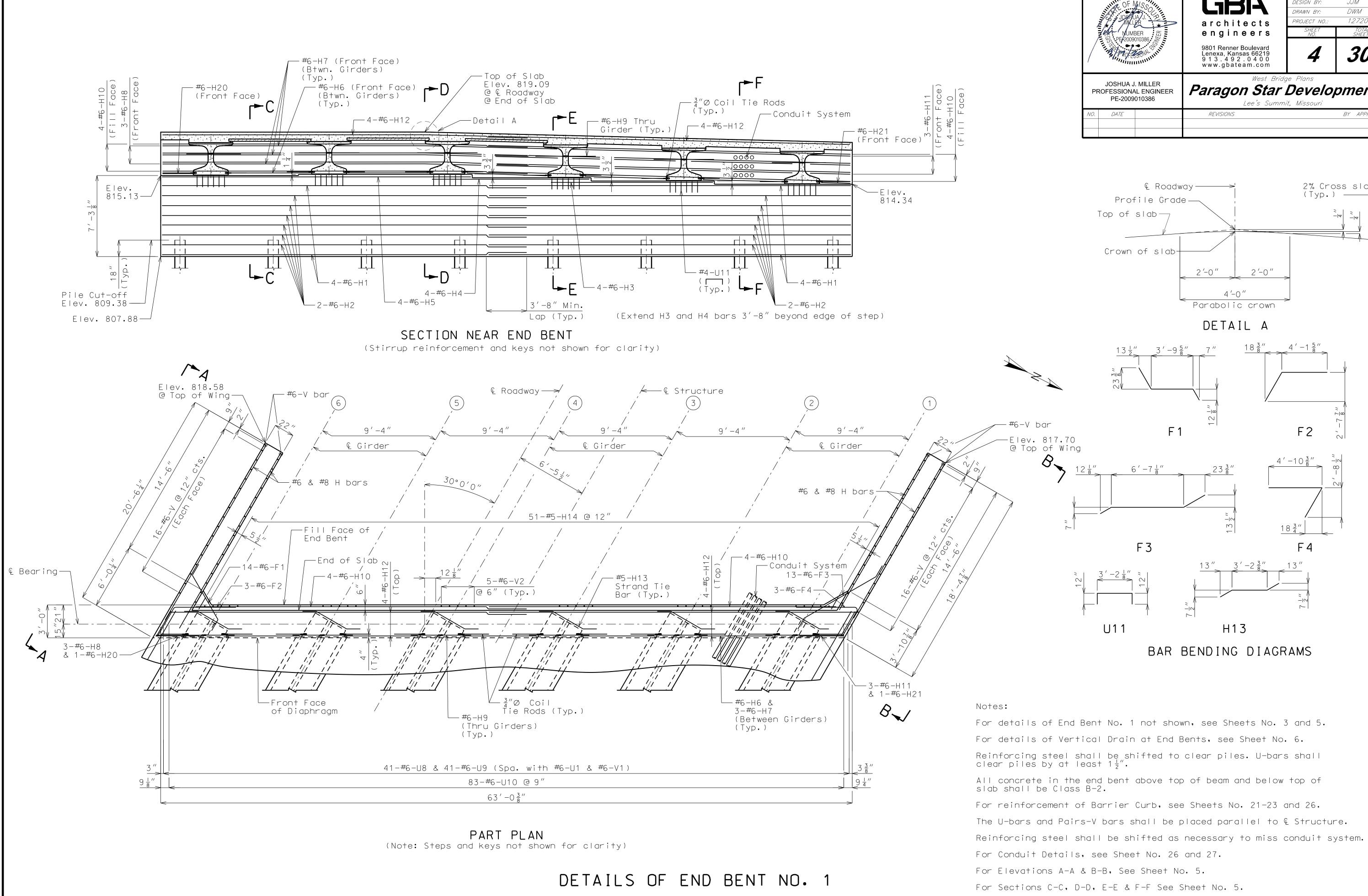
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/s not	shown	for c	larity))		
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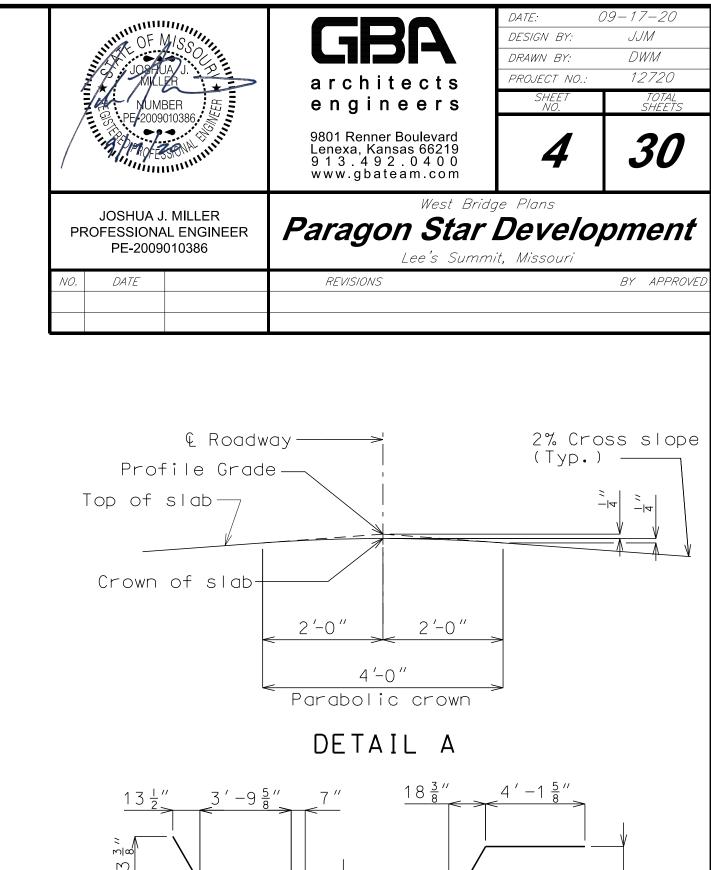
Notes:

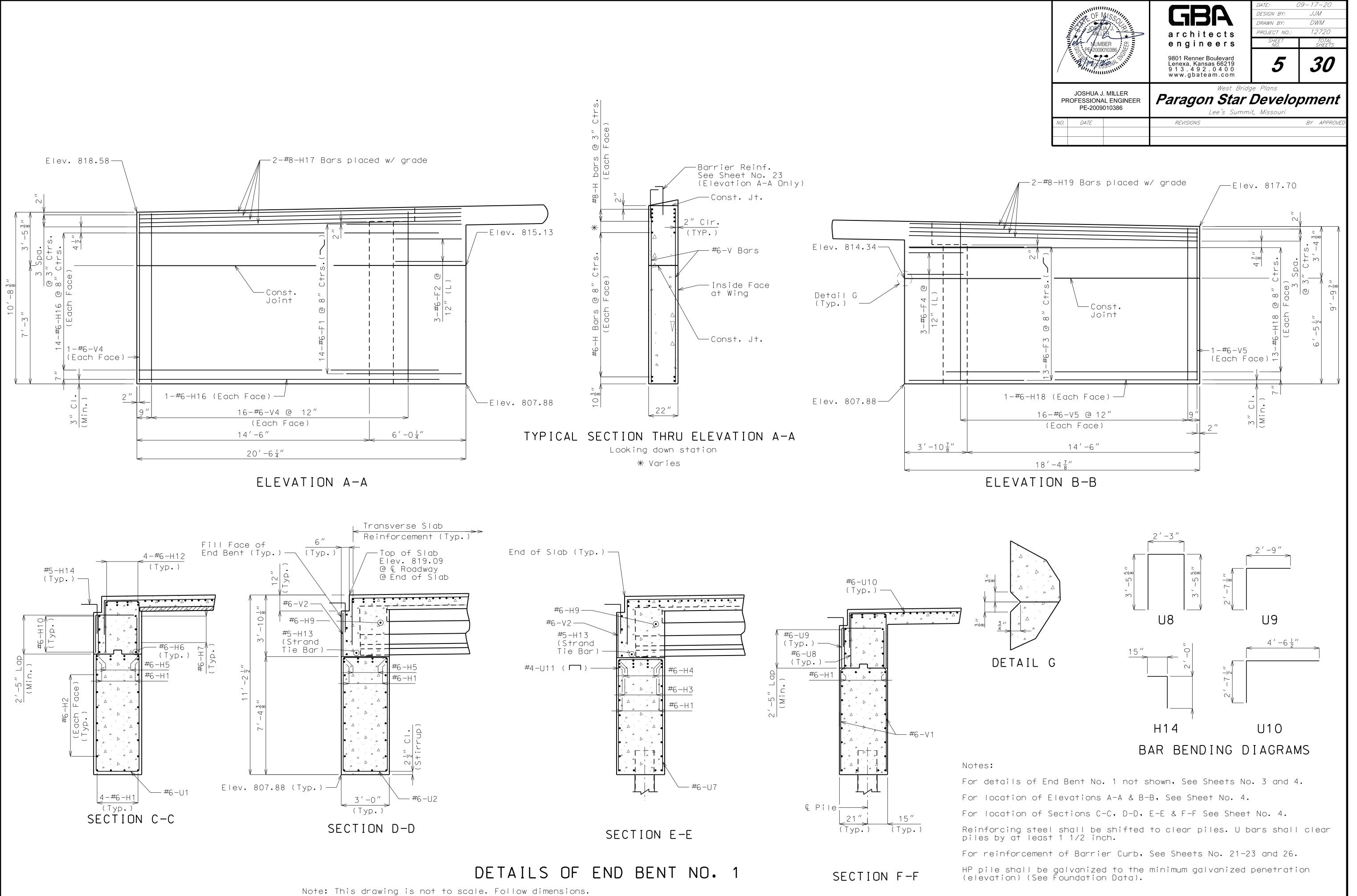
For details of Vertical Drain at End Bents, see Sheet No. 6. Reinforcing steel shall be shifted to clear piles. U-bars shall clear piles by at least $1\frac{1}{2}$ ". All concrete in the end bent above top of beam and below top of slab shall be Class B-2. For reinforcement of Barrier Curb, see Sheets No. 21-23 and 26. The U-bars and Pairs-V bars shall be placed parallel to & Roadway.

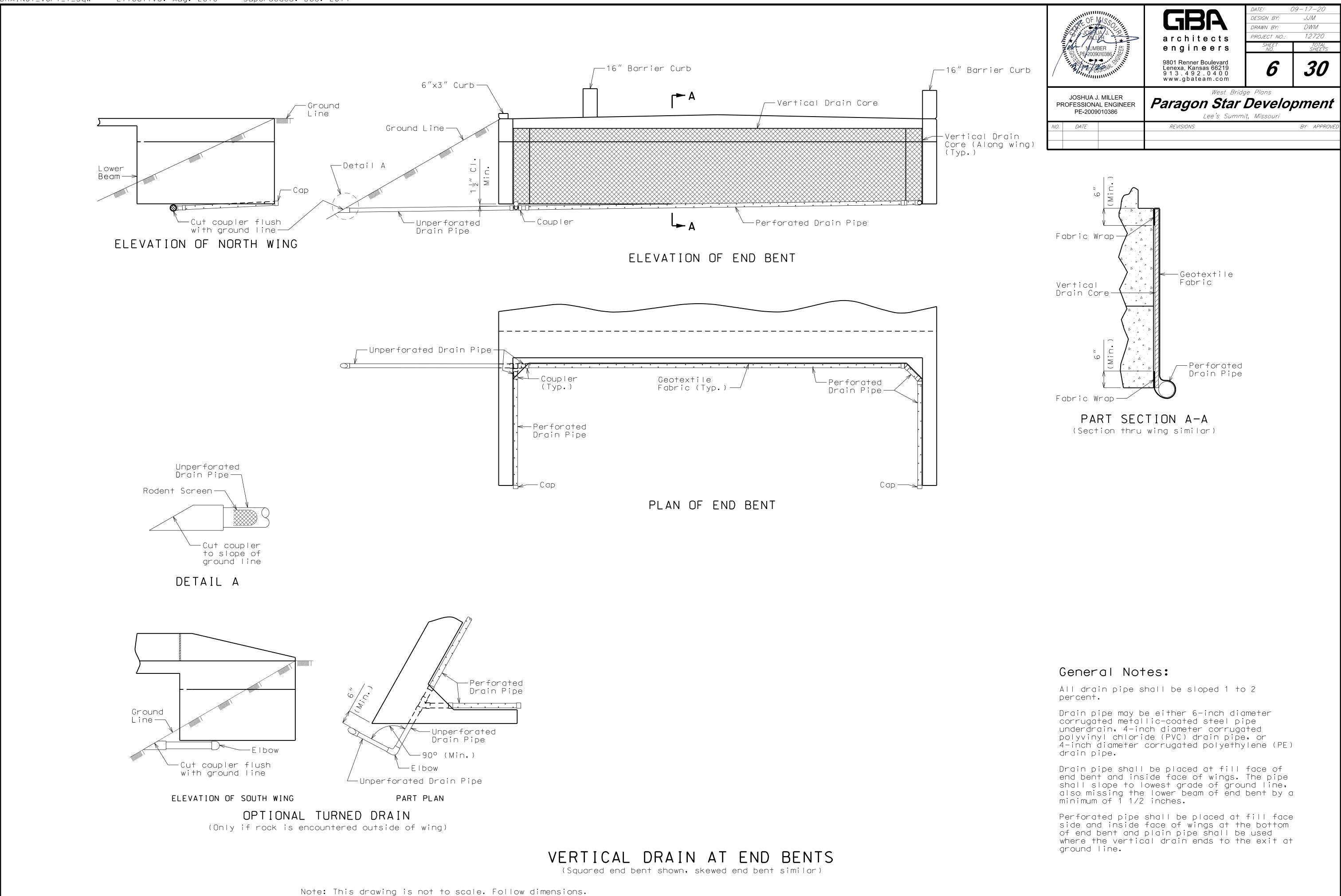


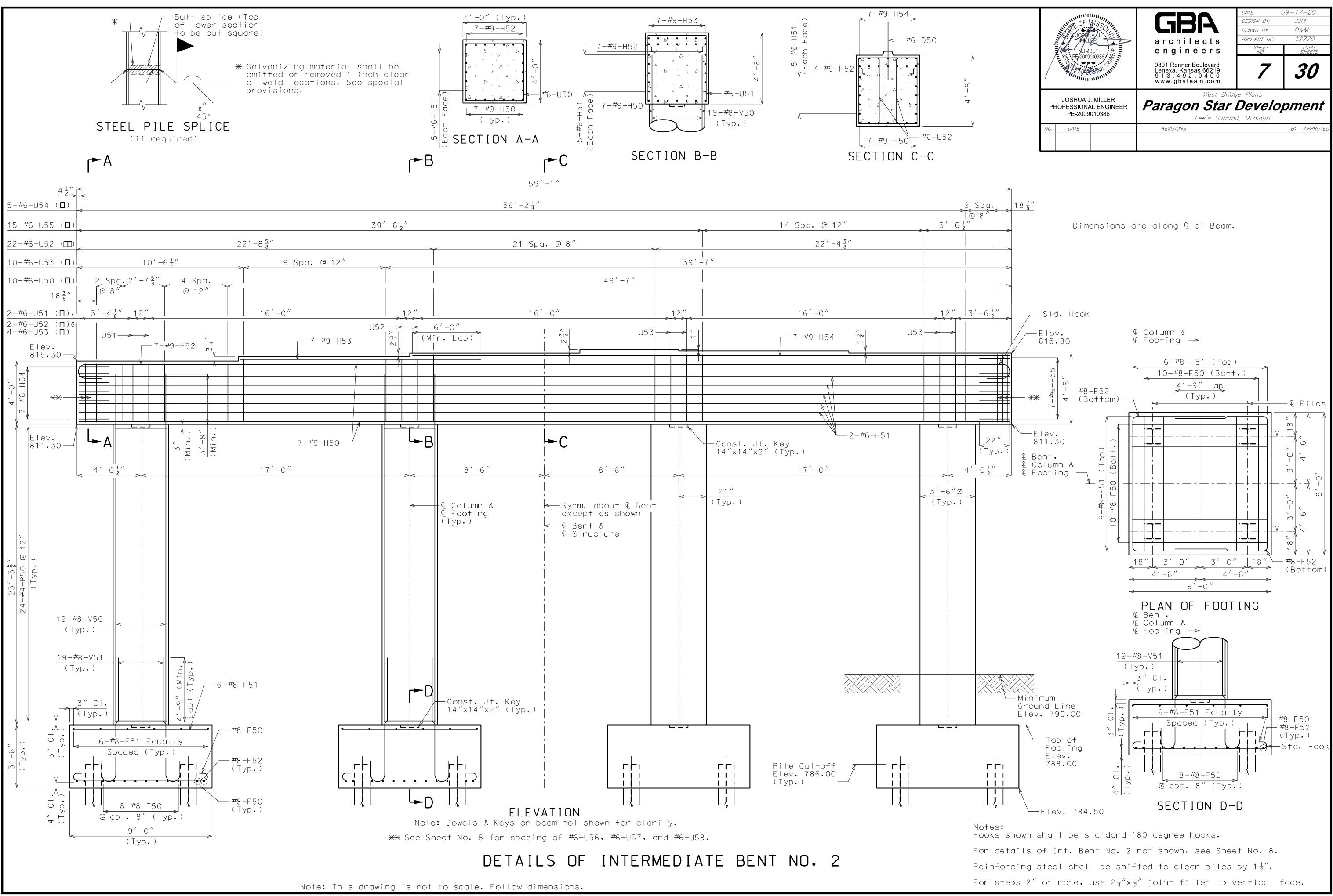


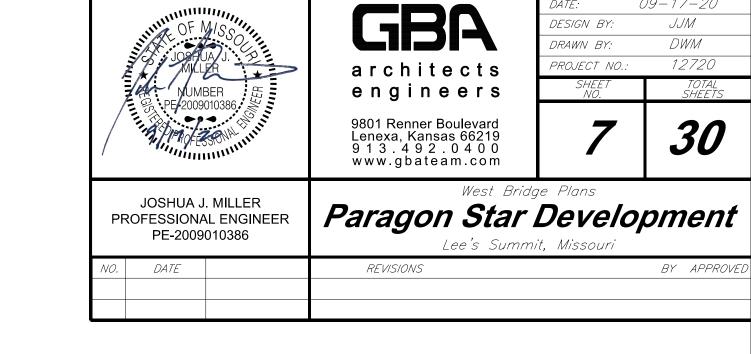
Note: This drawing is not to scale. Follow dimensions.

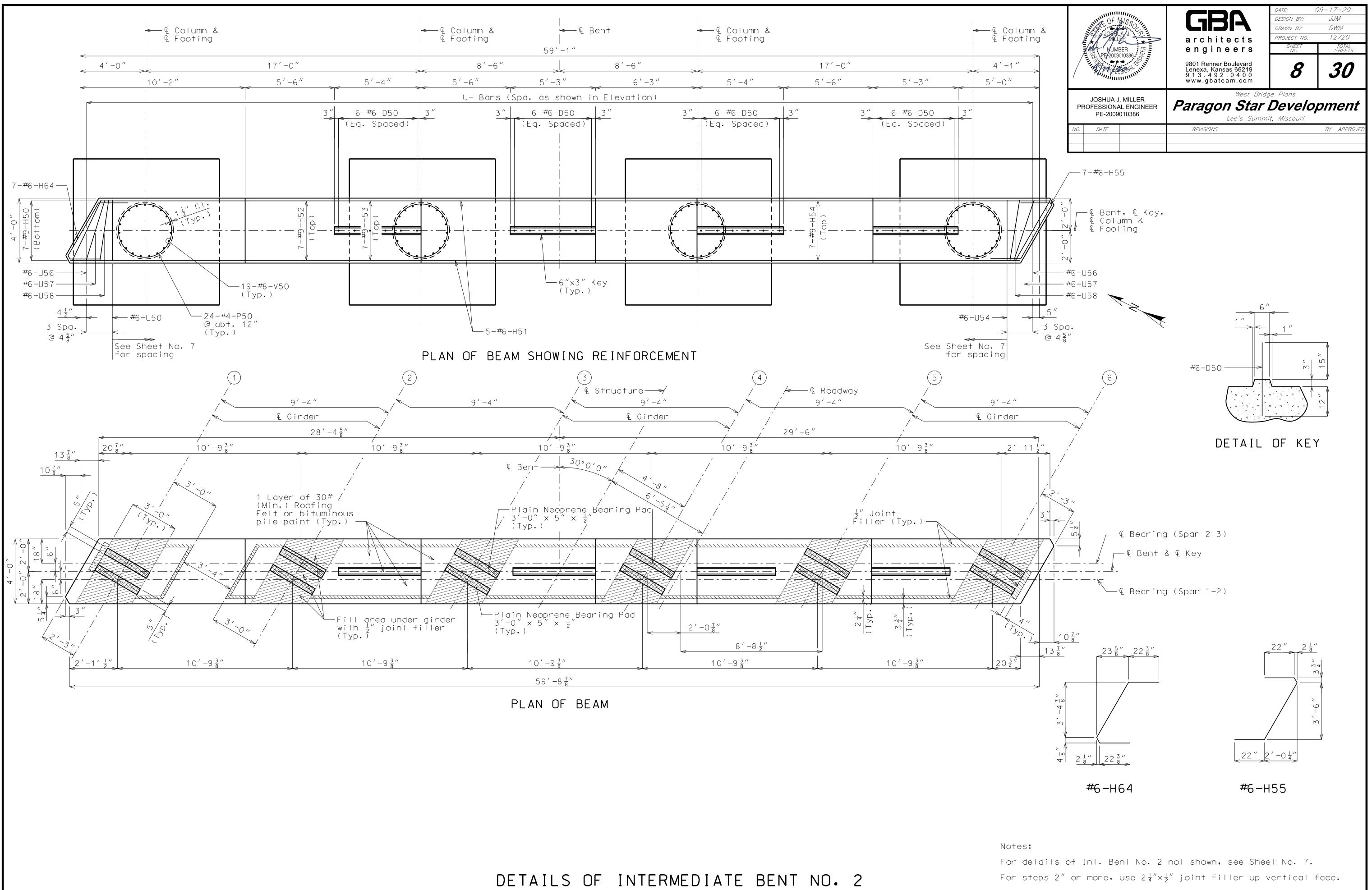


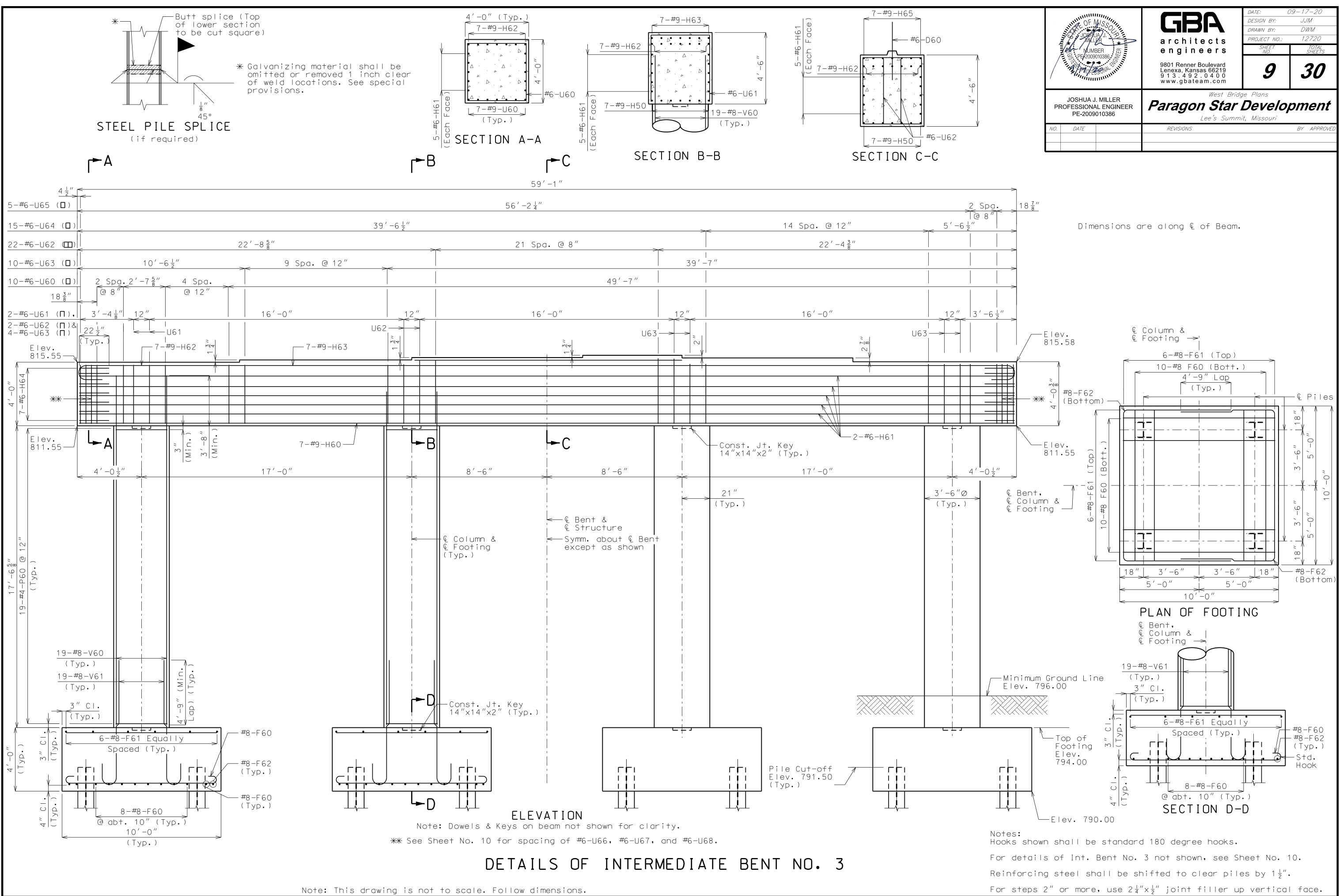


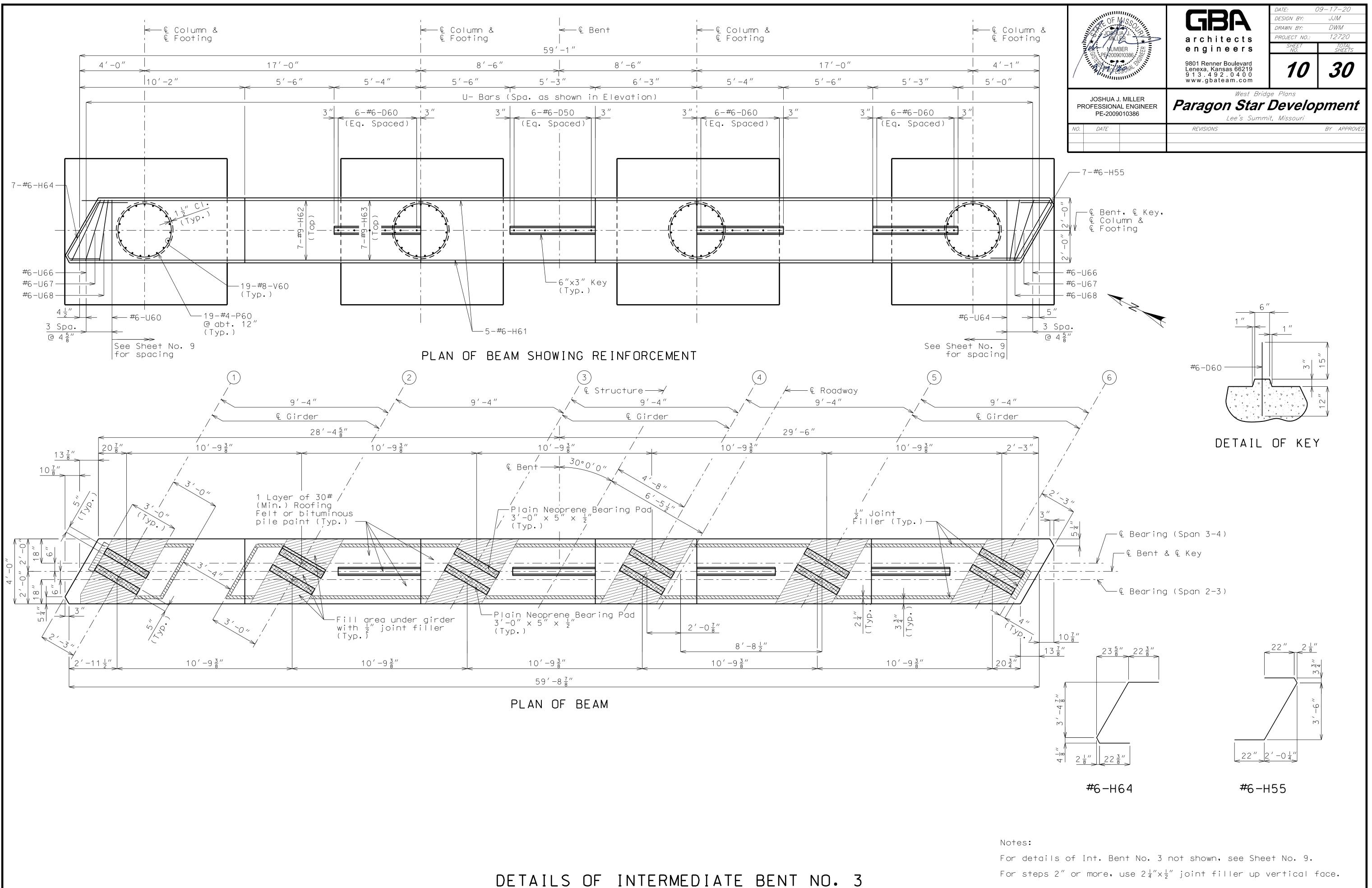




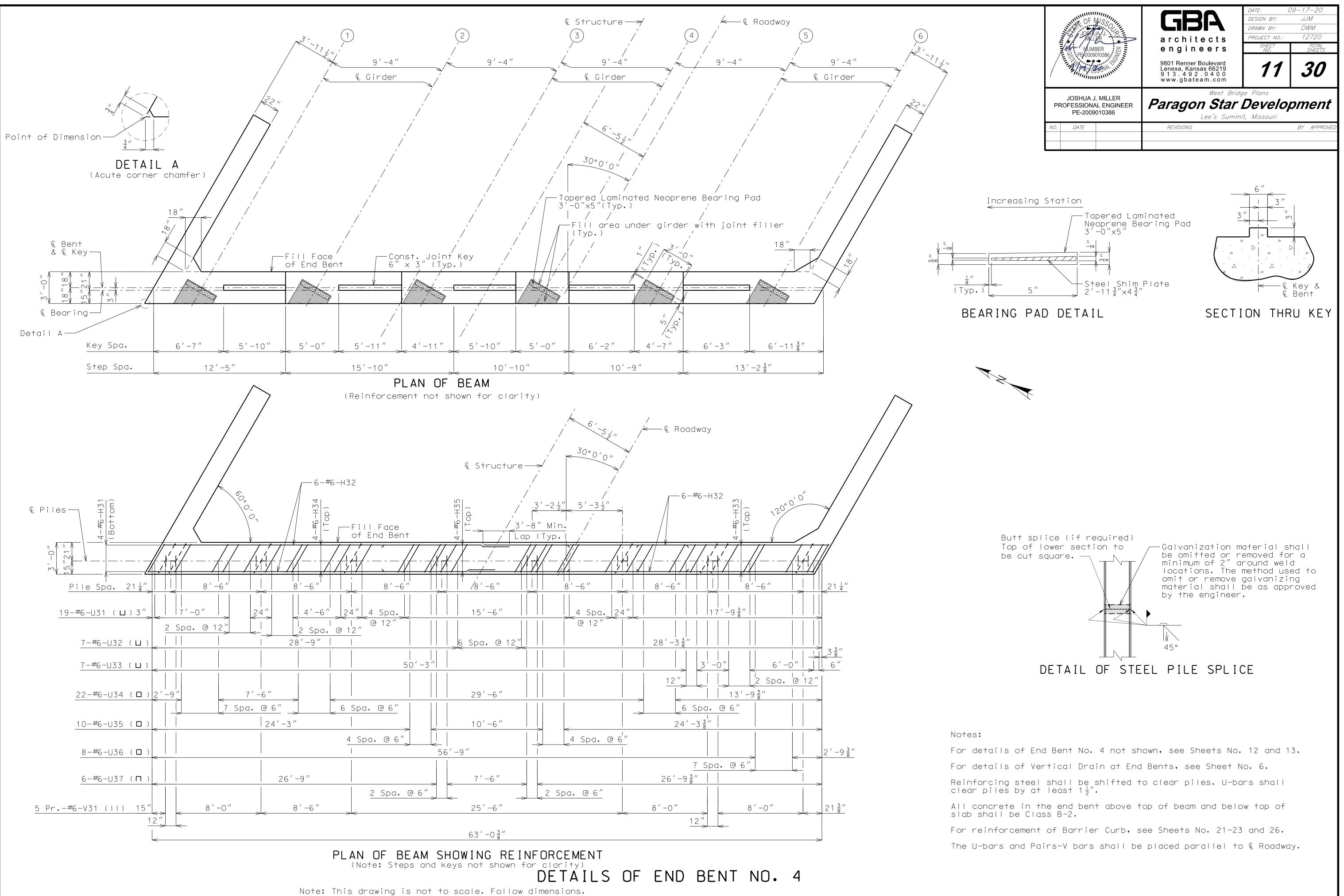


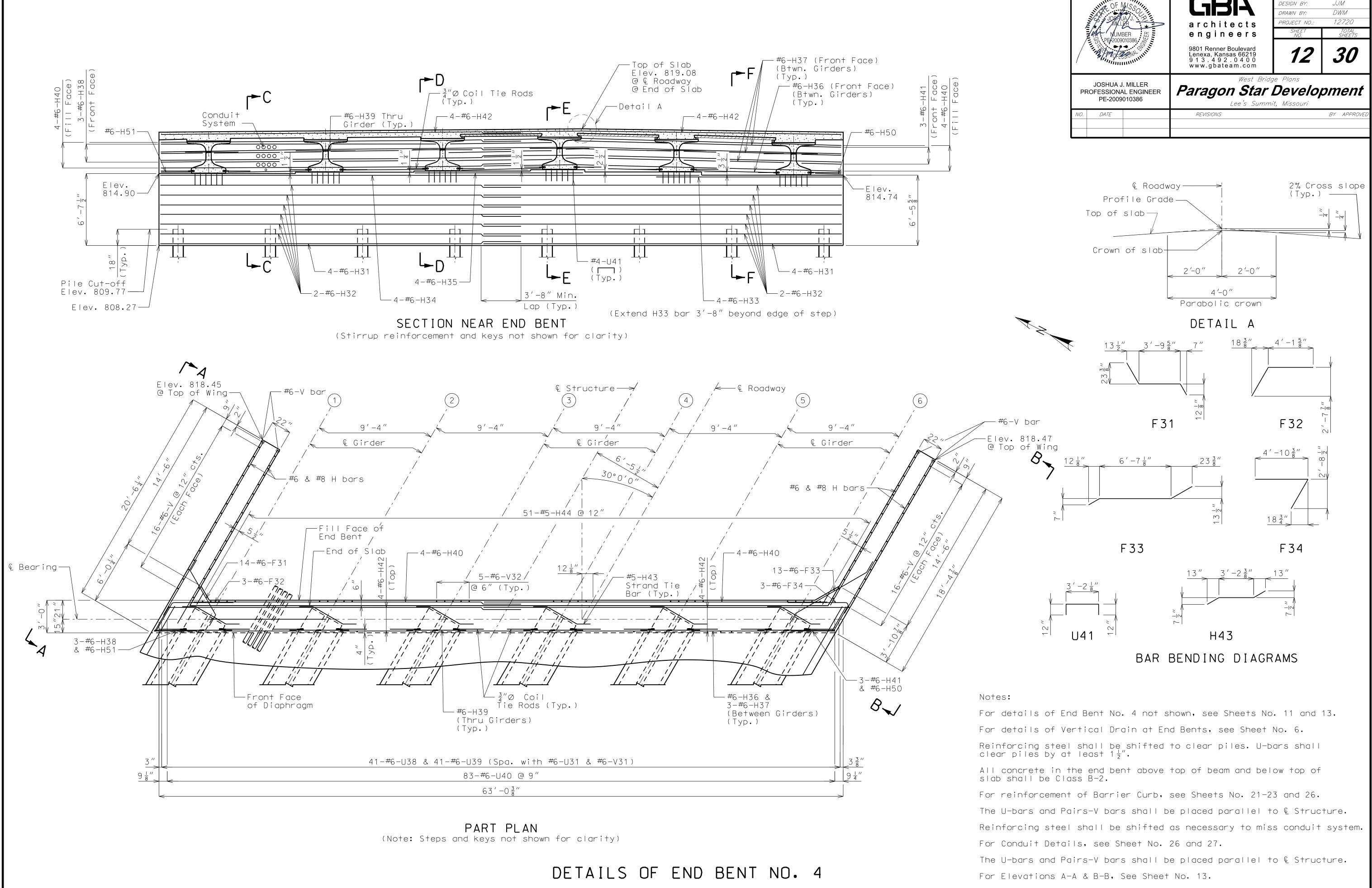






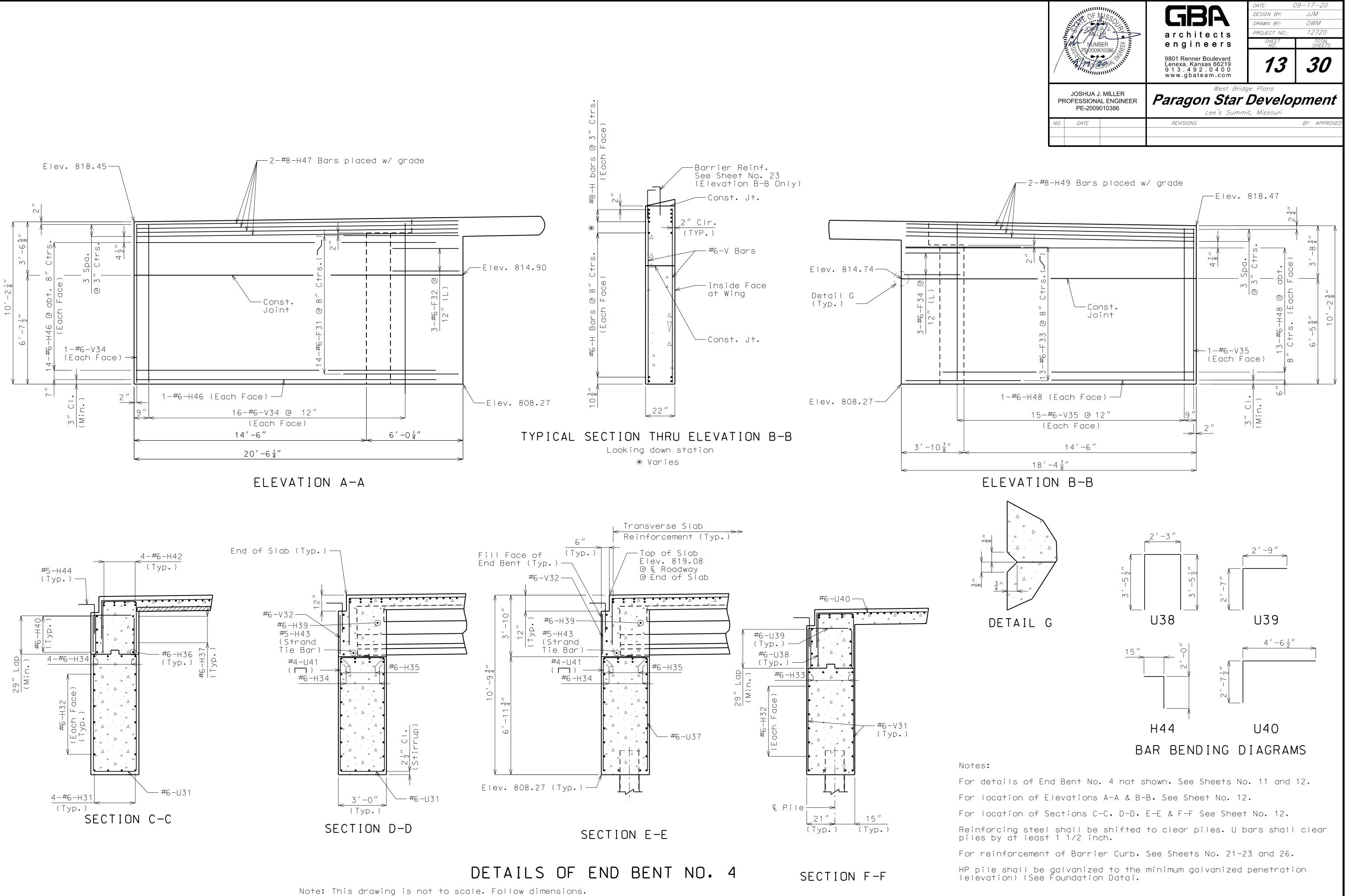
DETAILS OF INTERMEDIATE BENT NO. 3

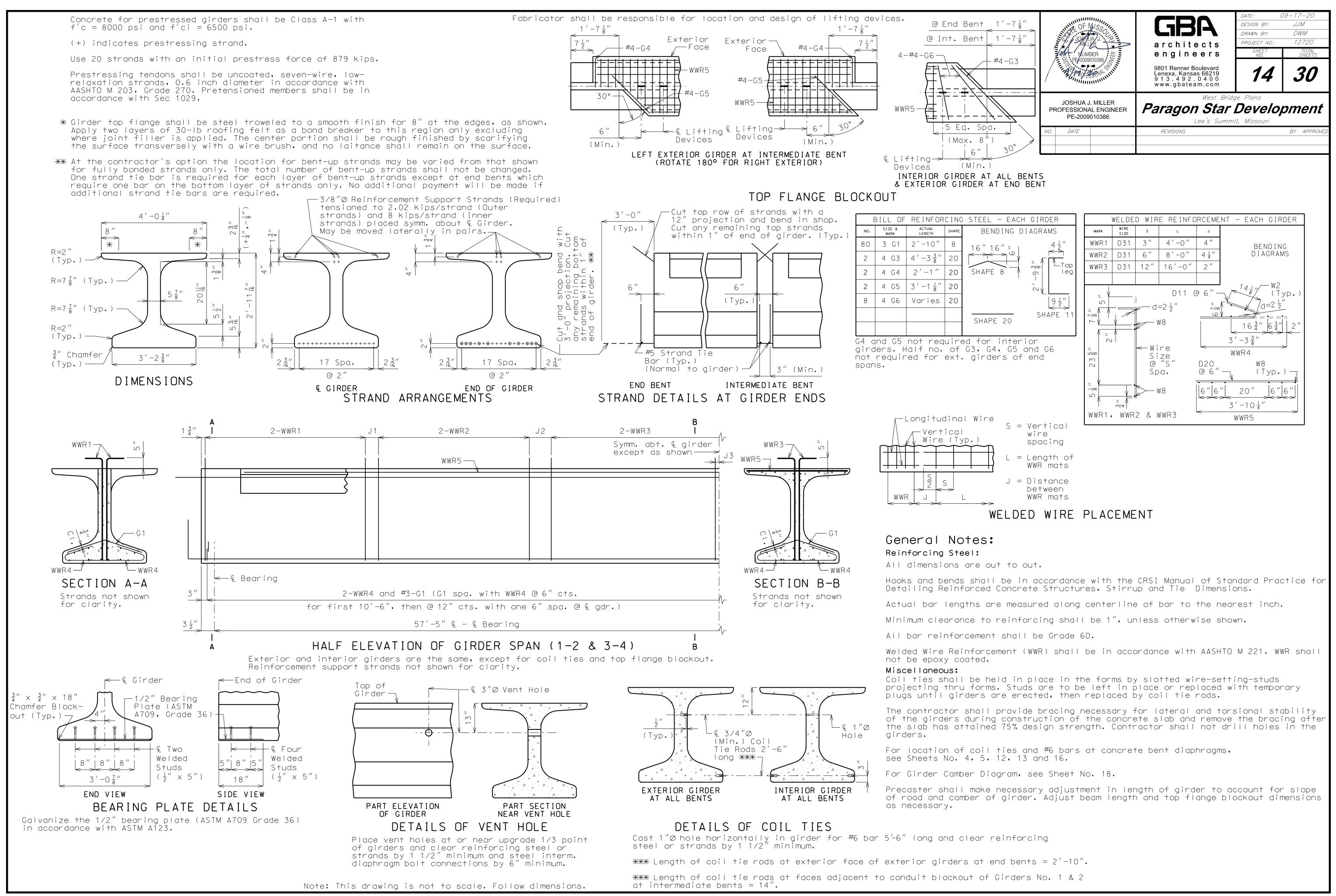


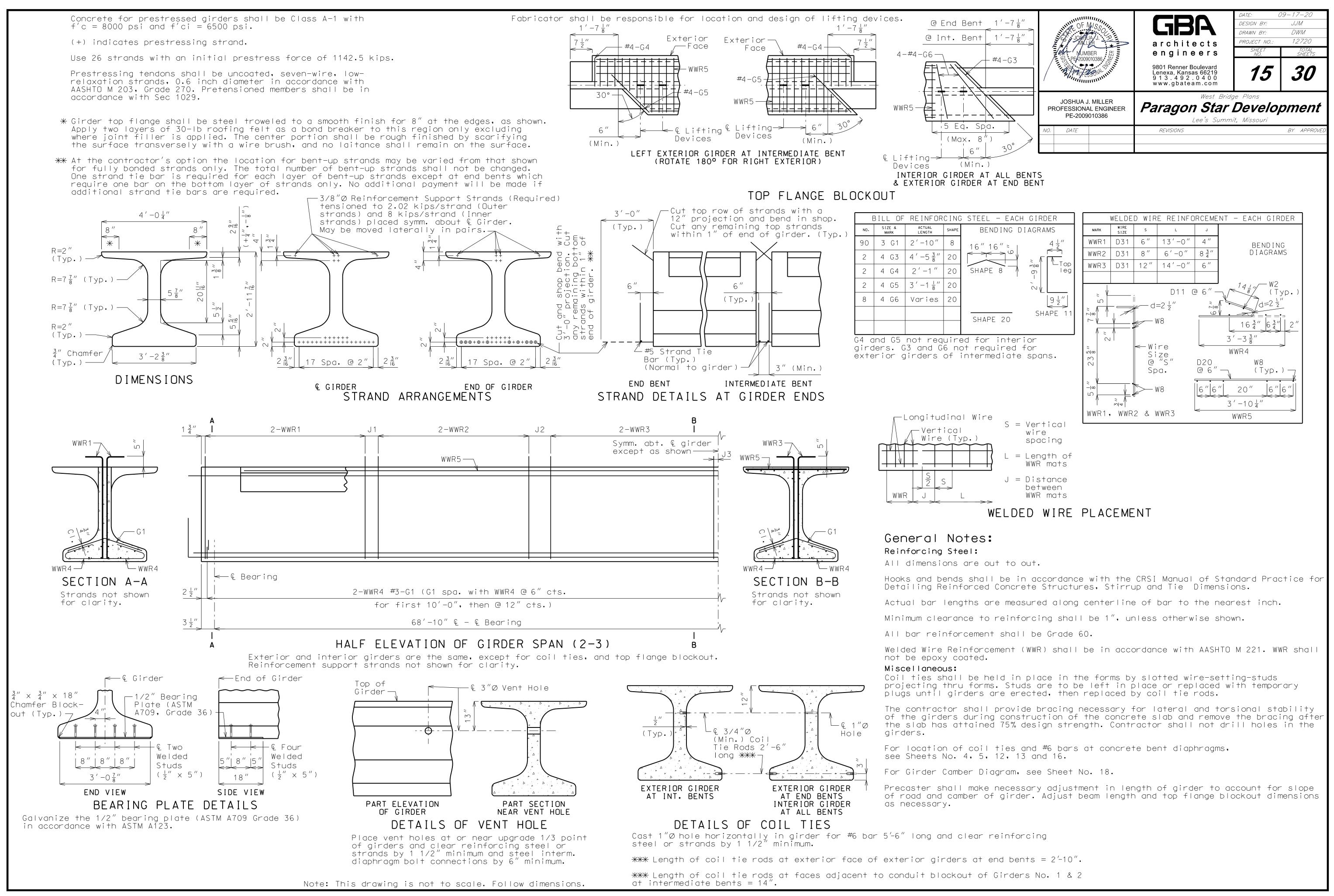


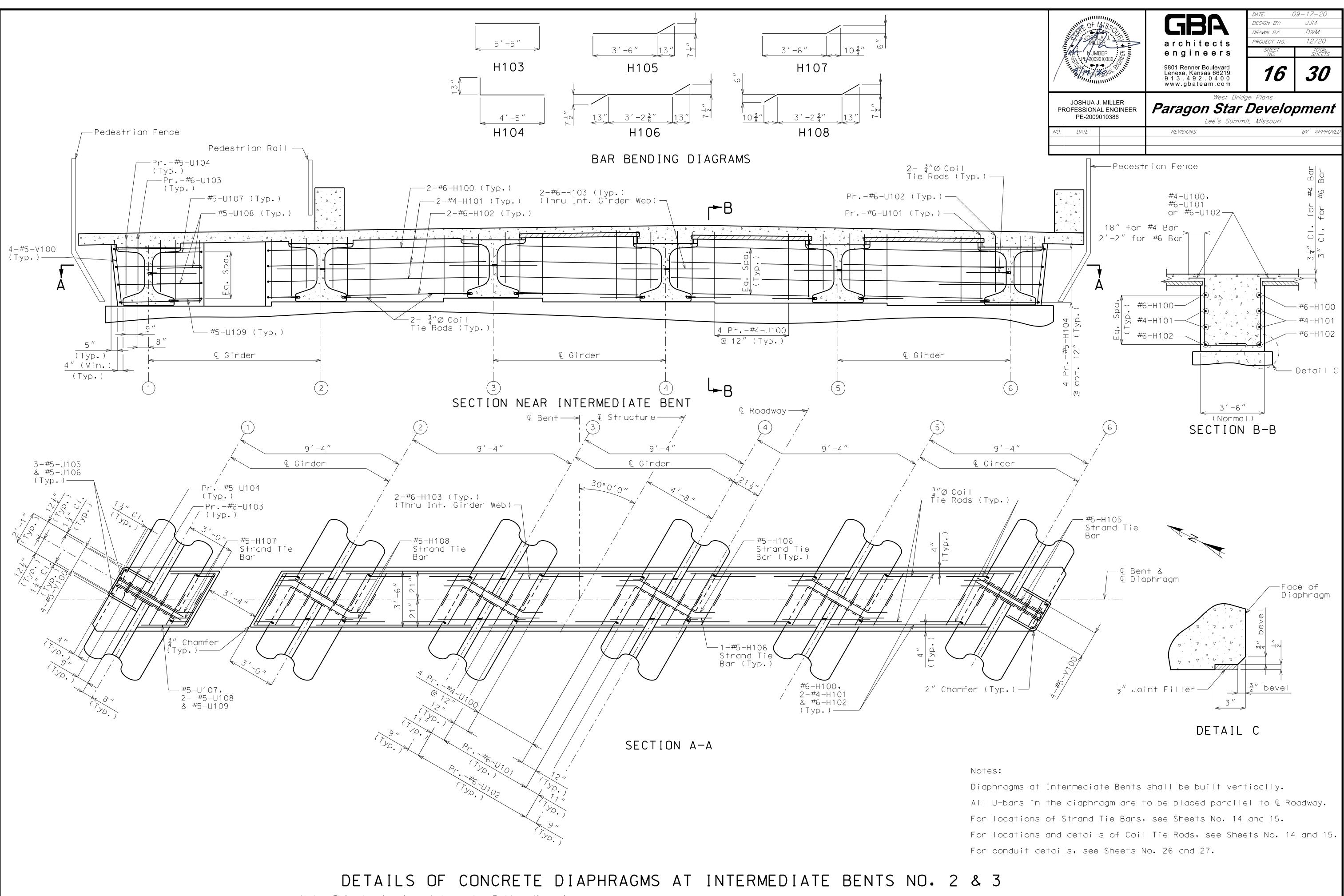


For Sections C-C, D-D, E-E & F-F See Sheet No. 13.

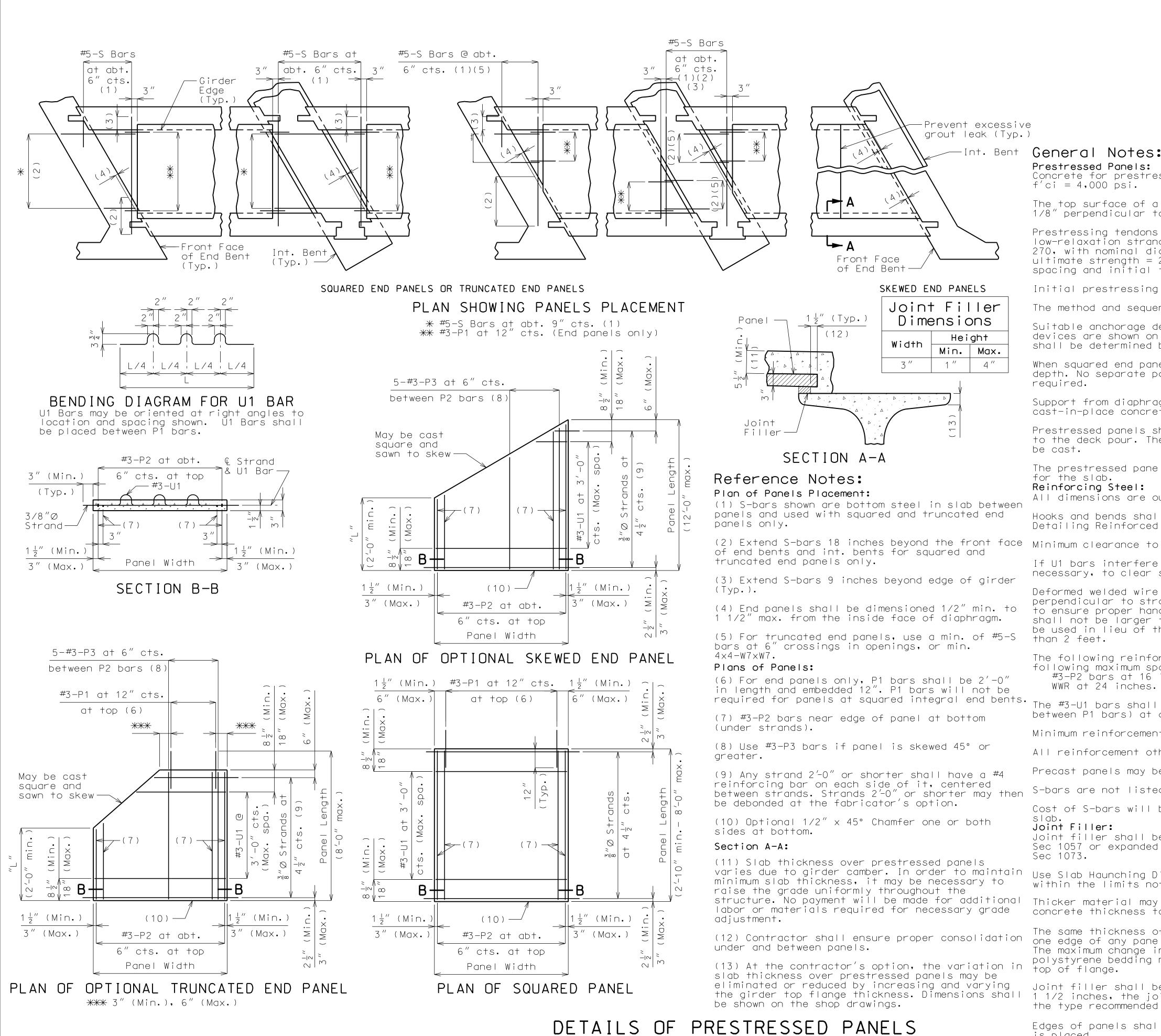


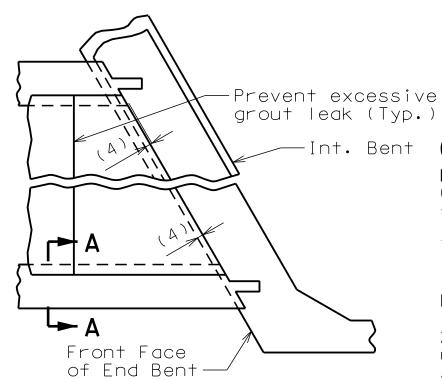






Note: This drawing is not to scale. Follow dimensions.





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

(2) Extend S-bars 18 inches beyond the front face Minimum clearance to

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

(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 than 2 feet.

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

(9) Any strand 2'-0'' or shorter shall have a #4 between strands. Strands 2'-0" or shorter may then S-bars are not listed

varies due to girder camber. In order to maintain Use Slab Haunching D minimum slab thickness, it may be necessary to structure. No payment will be made for additional Thicker material may labor or materials required for necessary grade

eliminated or reduced by increasing and varying the girder top flange thickness. Dimensions shall 1 1/2 inches, the jo

General Notes: Prestressed Panels: Concrete for prestres f'ci = 4,000 psi.

The top surface of a 1/8" perpendicular to

Prestressing tendons low-relaxation strand 270, with nominal di ultimate strength = spacing and initial

Initial prestressing

The method and sequer

Suitable anchorage de devices are shown on shall be determined

When squared end pane depth. No separate po required.

Support from diaphrag cast-in-place concre-

Prestressed panels st to the deck pour. The be cast.

The prestressed pane for the slab. Reinforcing Steel:

All dimensions are ou

Hooks and bends shall Detailing Reinforced

If U1 bars interfere necessary, to clear

Deformed welded wire perpenaicular to str to ensure proper hand shall not be larger be used in lieu of th

The following reinfor following maximum spa #3-P2 bars at 16 WWR at 24 inches.

between P1 bars) at

Minimum reinforcemen

All reinforcement oth

Precast panels may be

Cost of S-bars will slab.

Joint Filler: Joint filler shall be

Sec 1057 or expanded Sec 1073.

within the limits not

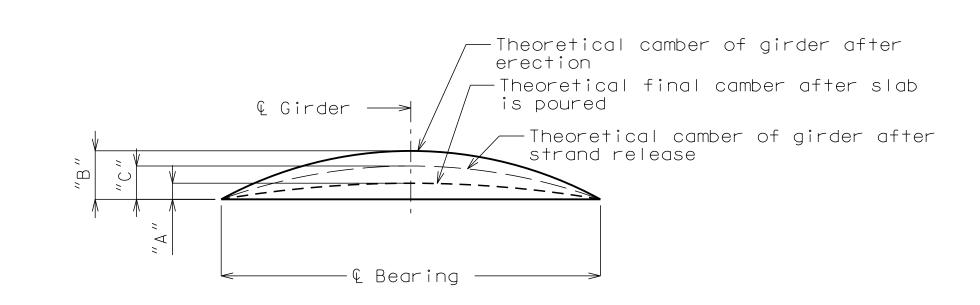
concrete thickness t

The same thickness of The maximum change i polystyrene bedding

Joint filler shall be the type recommended

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

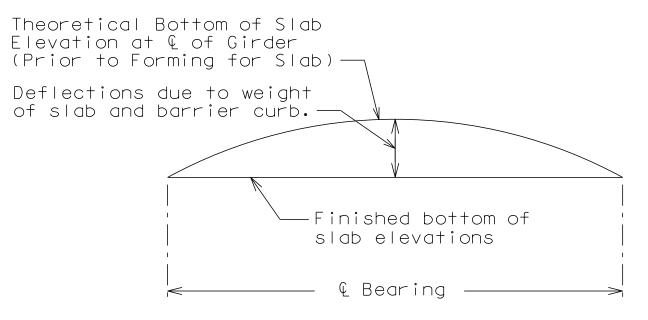
	OF MISSOURIER JOSTUAJ MULER VUMBER PE/2009010386	GBA architects engineers 9801 Renner Boulevard	DESIGN BY: DRAWN BY: PROJECT NO.: SHEET NO.	9–17–20 JJM DWM 12720 TOTAL SHEETS 200
		Lenexa, Kansas 66219 9 1 3 . 4 9 2 . 0 4 0 0 www.gbateam.com <i>West Bridg</i>	17 The Plans	30
	JOSHUA J. MILLER PROFESSIONAL ENGINEER PE-2009010386	Paragon Star Lee's Summi	-	
	NO. DATE	REVISIONS		BY APPROVED
ssed panels s	shall be Class A-1	with $f'c = 6,000 ps$; İ ,	
	all receive a score essing strands in t	ed finish with a dep the panels.	th of sco	ring of
ds for prestr ameter of str	ressed concrete in rand = 3/8" and nom	n, uncoated, seven-w accordance with AAS ninal area = 0.085 s rands may be used w	SHTO M 203 Sq.in. and	minimum
	2 kips/strand. sing the strands sh	nall be shown on the	shon dra	winas
evices for li	; ifting panels may b	be cast in panels, p by the engineer. F	provided t	he
by the contro	actor and shown on	the shop drawings.	-	
		he skewed portion s onal concrete and re		
	required under the ed 3,000 psi compre	optional skewed end essive strength.	1 until	
		urface-dry (SSD) con vater on the panels		
l quantities	are not included i	n the table of esti	mated qua	ntities
ut to out.				
	rdance with the CRS ructures, Stirrup c	SI Manual of Standar and Tie Dimensions.	d Practic	e for
C C		/2", unless otherwiU1 loops may be ber		
slab steel.		a minimum area of r		
ands of 0.22 dling, may be than 0.375 ir	sq in./ft, with sp e used in lieu of t nch. The above alte	a minimum dred of i bacing parallel to s the #3-P2 bars shown ernative reinforceme and placed over a wi	strands su n. Wire di ent criter	fficient ameter ia may
rcing steel s acing in each inches.		ely to the strands	with the	
be tied secu about 3-foot		s, to WWR or to stro	ınds (when	placed
J	th shall be 2'-0".	ball be seen as a -	od	
	-	shall be epoxy coate		
	l of reinforcing.		_ 0 _ ^	c · · ·
		ed by the contract u		
•	5	nt material in acco ng material in accor		
ted in the to	able of Joint Fille	ermining thickness c er Dimensions. of the girder to rec	J	
o within tole	erances.	nt material shall b		
l except at l n thickness b	locations where top Detween adjacent po	flange thickness m nels shall be 1/4 i nsition to match hau	nay be ste nch. The	pped.
int filler st	ne girder. When thi nall be glued top c t filler manufactur	and bottom. The glue	; used sha	II be



	S	Span (1-2)			Span (2-3	3)	Span (3-4)		
	"A"	"В"	"C "	"A"	"В"	"C "	"A"	"В"	"C"
Ext. Prestressed Beam	<u>5</u> // 8	1 "	<u>3</u> //	<u>3</u> //	1 ⊥″	1 ″	<u>5</u> // 8	1 ″	<u>3</u> //
Int. Prestressed Beam	$\frac{1}{2}''$	I	4	<u>5</u> // 8	1 4	I	$\frac{1}{2}''$	Ι	4

GIRDER CAMBER DIAGRAM

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

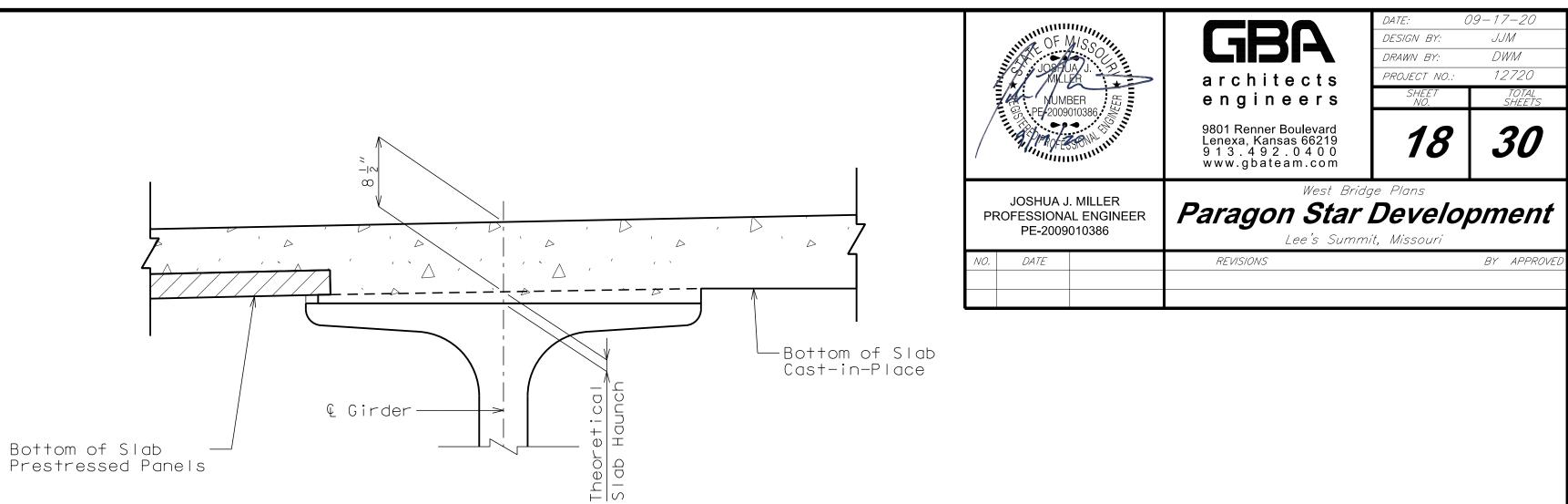


TYPICAL SLAB ELEVATIONS DIAGRAM

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.	ę 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 $8\frac{1}{2}$ " and include allowance for theoretical dead load deflections due to weight of slab (including precast panel where appropriate) and barrier curb.





THEORETICAL SLAB HAUNCH

Girder No. 1	1 <u>-</u> "	1 7 "	2 <u>+</u> "	2 <u> </u> «	1 7 "	, S	2 <u>5</u> "	2 5 " 8	2 <u>3</u> "	- - - - 	- <u>-</u> ~	; 2	2 4 %	2 <u>+</u> ×	1 7 "
Girder No. 2	1 <u>5</u> ″	s. '	2 <u>-</u> «	, S	7 ~ ~	- 15 8	2 <u>3</u> %	2 ² 8 2	2 = ×	1 4 / %	1 3 //	× 2	× − × 8 −	, 2	1 5 "
Girder No. 3	1 3 "	2 1/ "	2 4 "	2 = ~ ~	1 5 "	1 3 ″	2 = "	2 3 "	2 = "	1 7 "	1 3 "	2 = ~ ~	2 "	1 3 "	1 3 //
Girder No. 4	1 <u>5</u> "	2 ″	2 8 - 2	, 2	1 8 ()	- 4 3	2 <u>-</u> «	2 3 %	2 <u>-</u> "	1 3/12	1 3 1	» ح	− ₩ 4	- - -	, 5 r
Girder No. 5	1 = "	1 7 "	$2\frac{1}{8}$ "	2 "	1 3 "	1 3 //	2 <u>+</u> "	2 3 "	2 <u>5</u> "	2 "	1 7 "	1 7 "	1 5 //	1 = "	
Girder No. 6	1 <u>5</u> "	2 "	2 <u>-</u> ×	, S	1 2- ~	1 5 /	2 <u>3</u> "	2 <u>5</u> "	2 <u>+</u> "	2 "	1 7 "	1 7 ~		1 8 ()	ر بر
Bottom of S	Iab —		V		,	V	V		V			/	,		
Top of Gird	er		۸			_	Ā		A		·		Λ.		
	/			,		ſ					ľ	,			
		< 4	equal	space	es >	<	4	equal	space	es >		< 4	equal	space	es
		<	€ Bec		>	<	<	∙€ Bea	ring-	>	·	<	- E Bec		
			57′	-5 ″				68′-	10″				57′·	-5 ″	

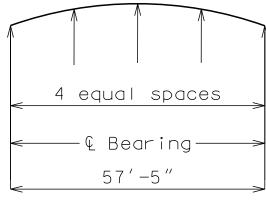
SPAN (1-2)

SPAN (2-3)

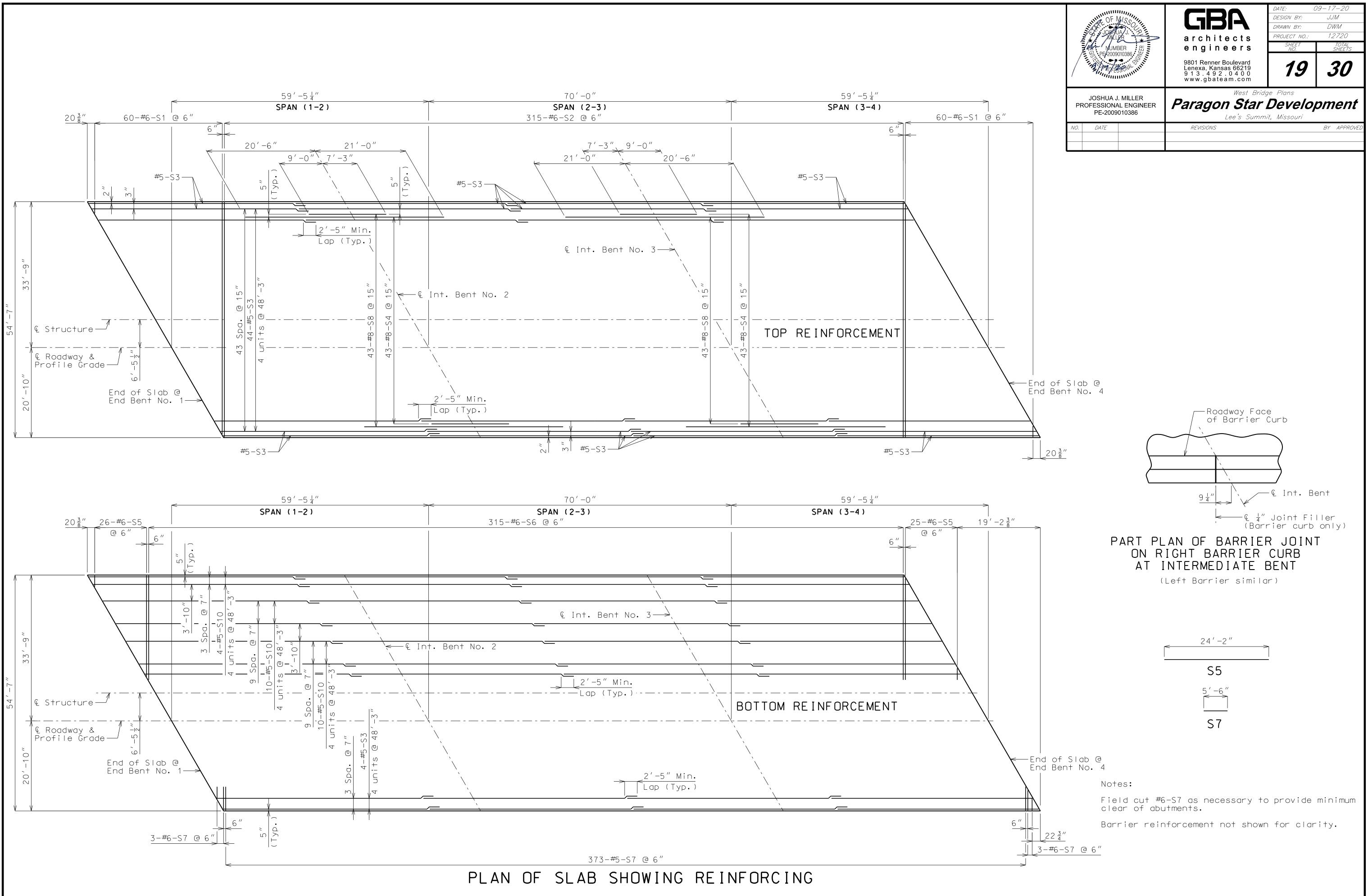
THEORETICAL SLAB HAUNCHING DIAGRAM

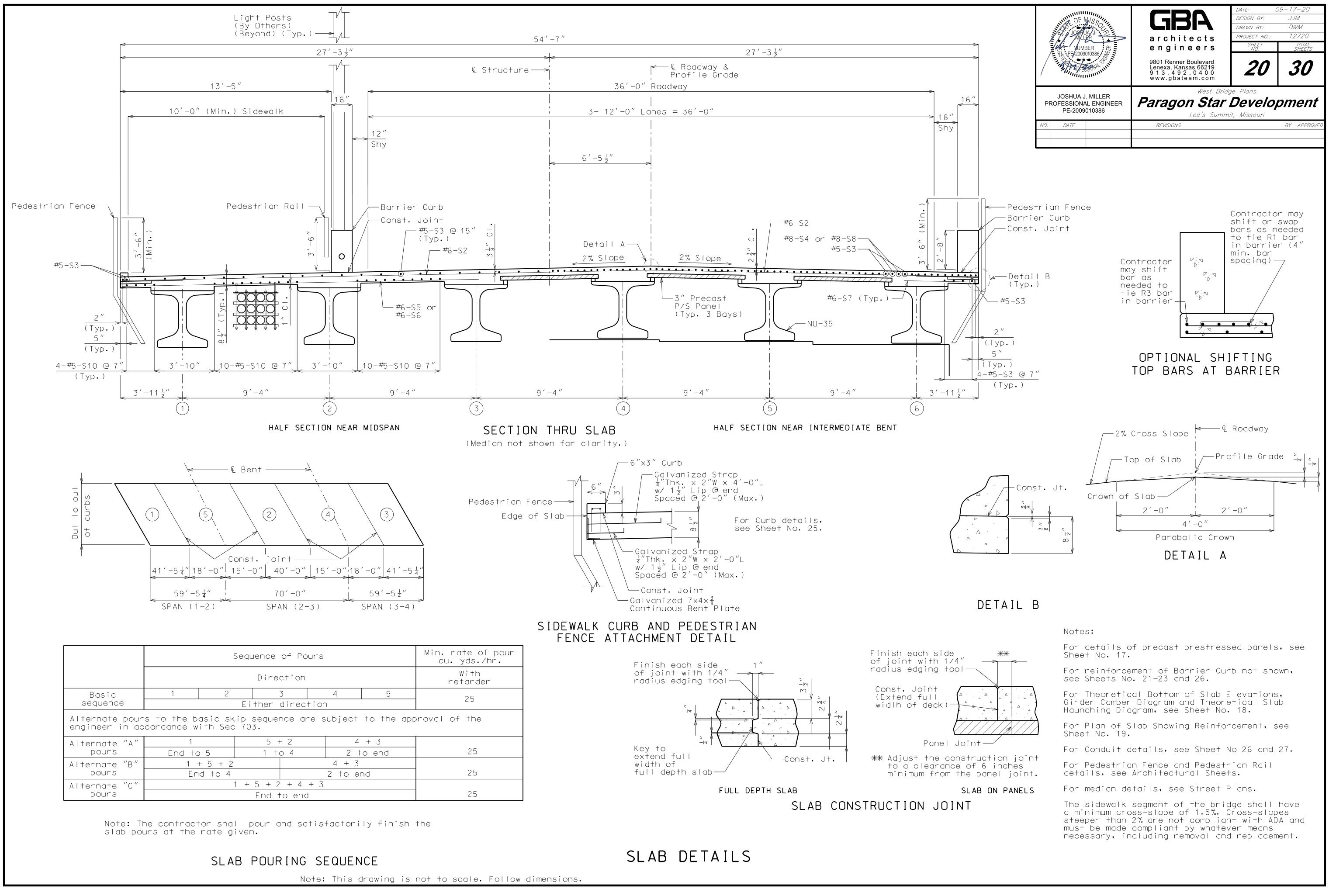
If girder camber is different from that shown in the camber diagram, in order to maintain minimum slab thickness, an adjustment of the slab haunches, an increase in slab thickness or a raise in grade uniformly throughout the structure shall be necessary. No payment will be made for additional labor or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

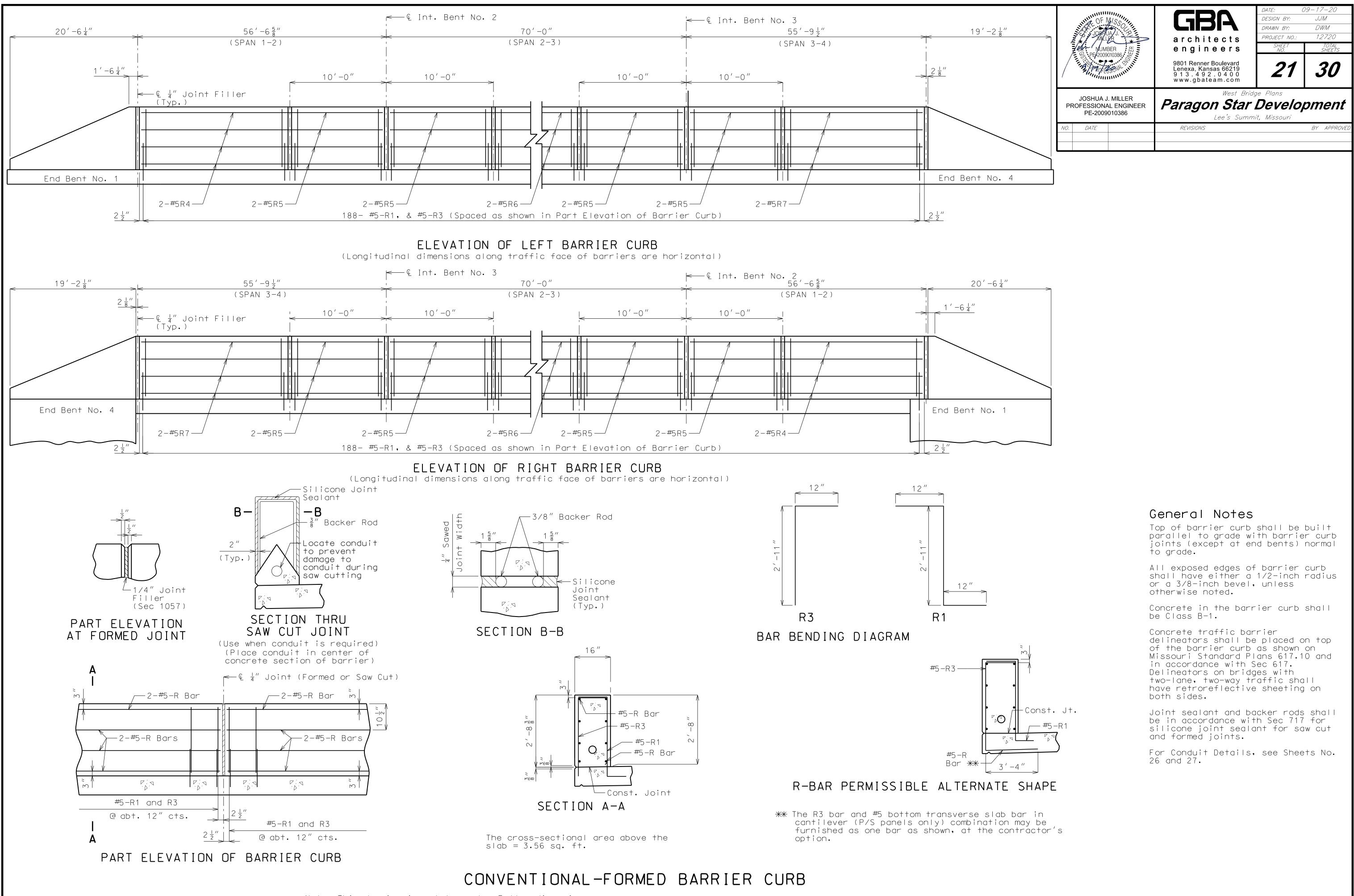
CAMBER, HAUNCHING, & ELEVATIONS (NU-GIRDER)

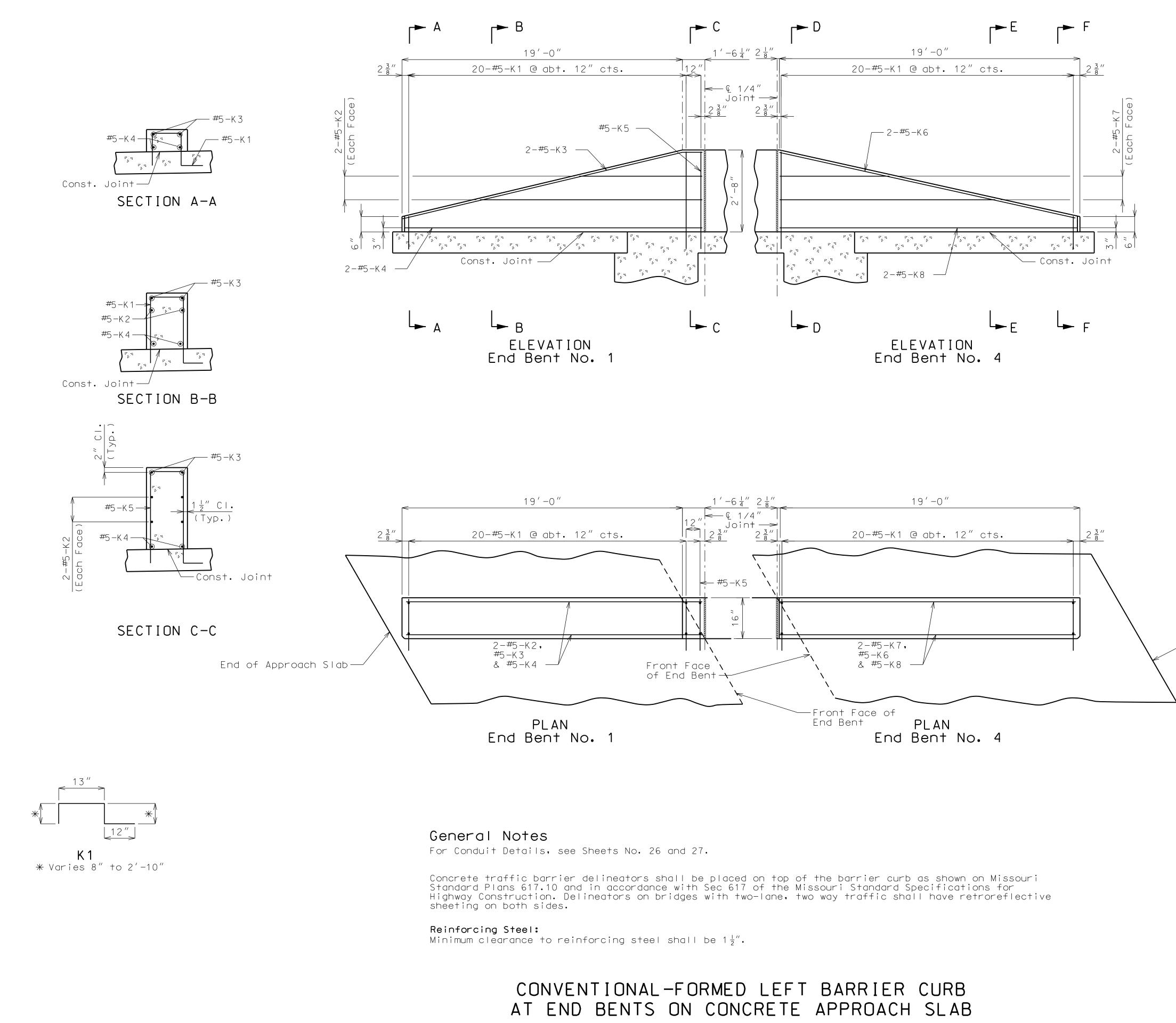


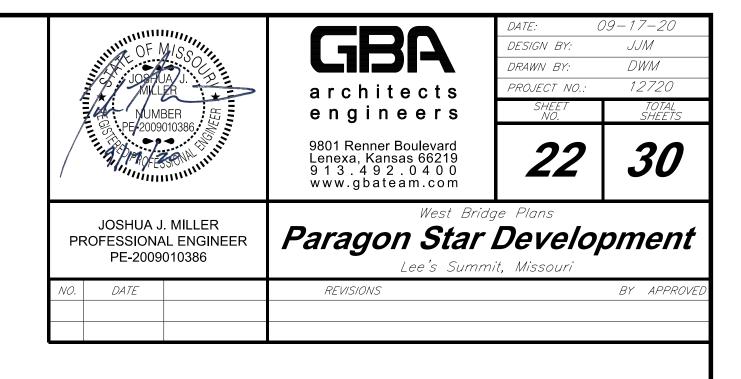
SPAN (3-4)

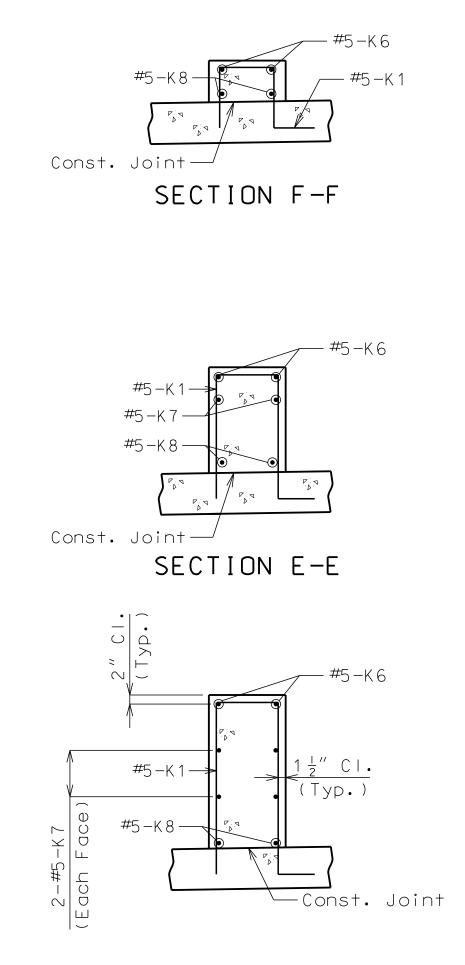






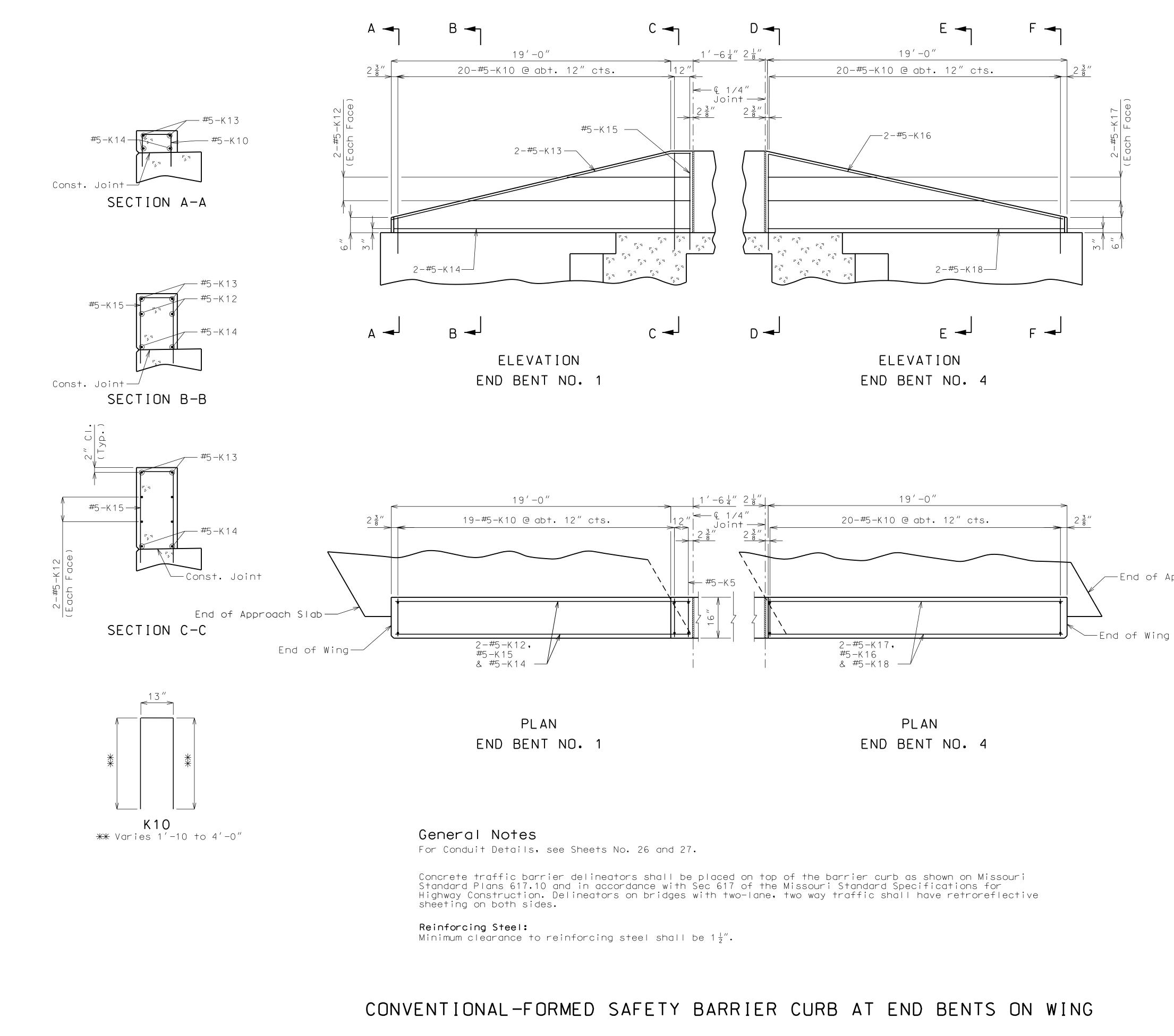




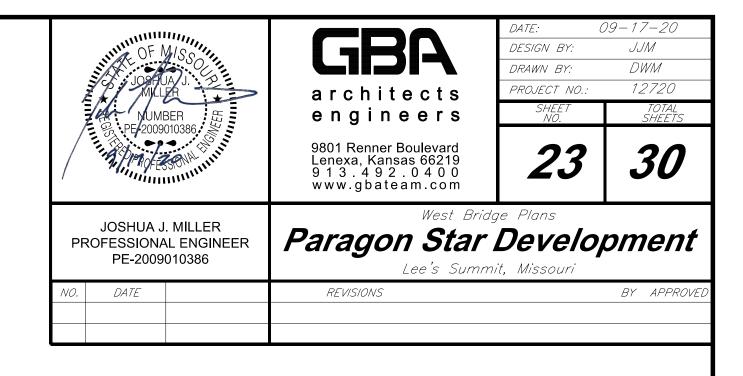


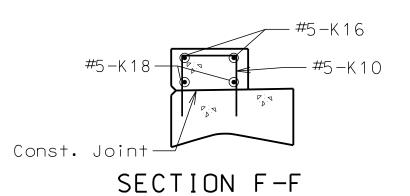
- End of Approach Slab

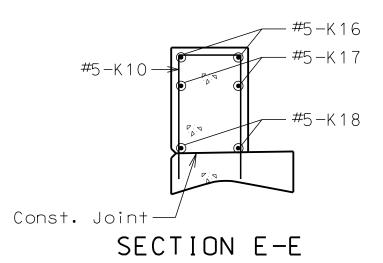
SECTION D-D

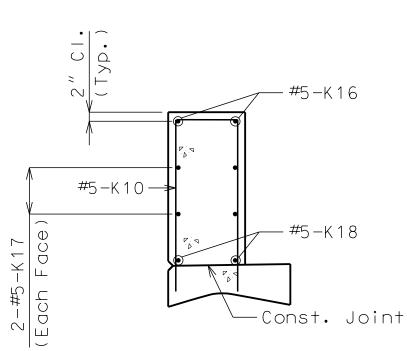


Note: This drawing is not to scale. Follow dimensions.



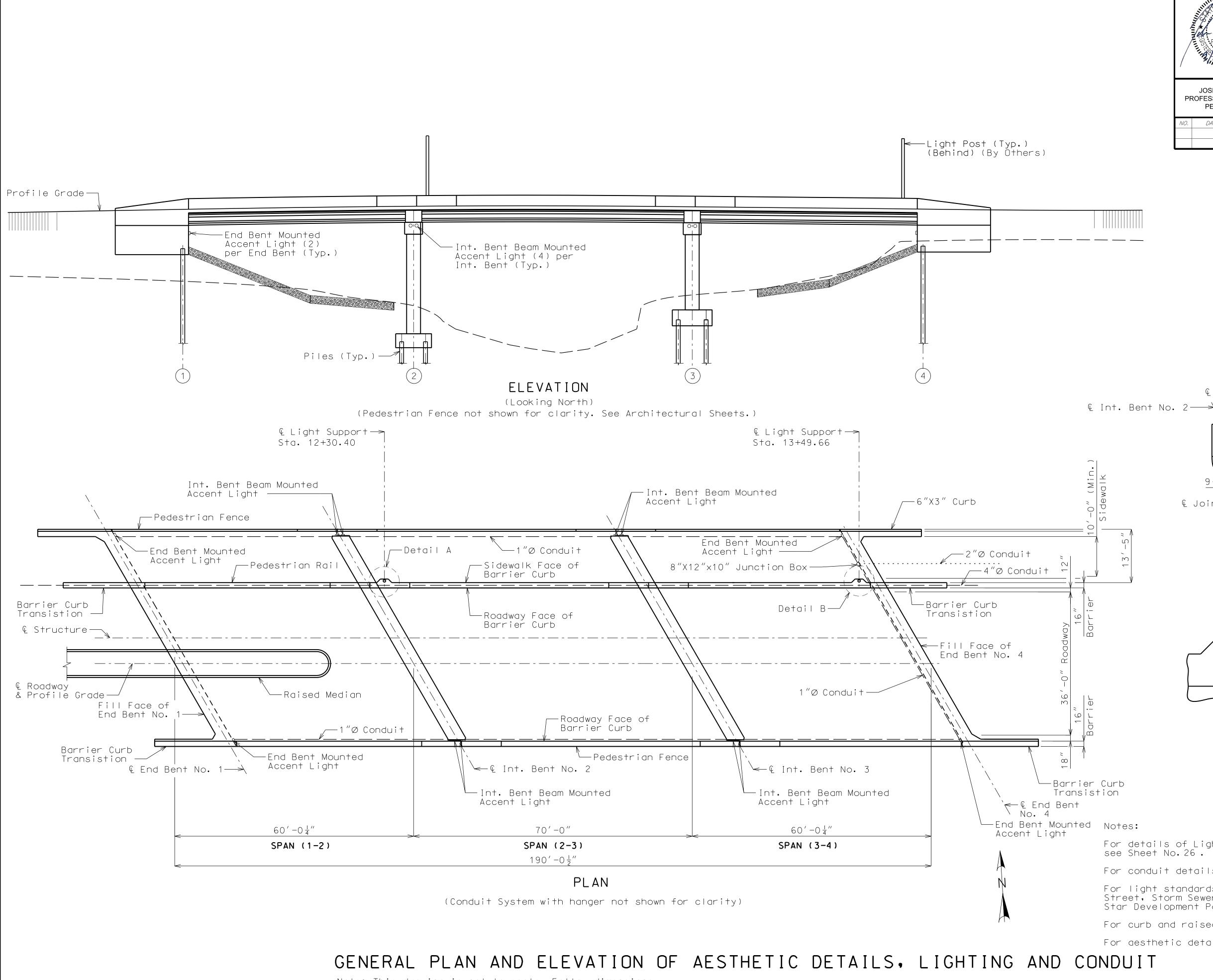






____End of Approach Slab

SECTION D-D



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

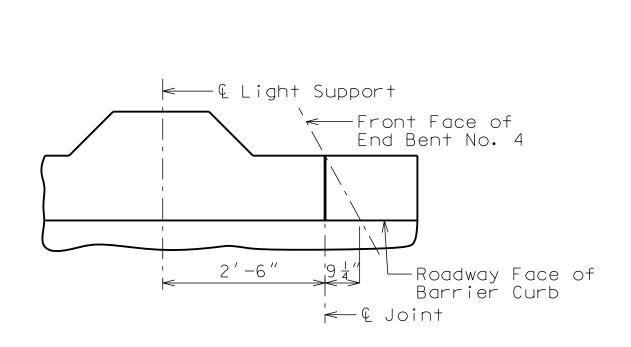
For curb and raised median details, see Sheet No.25 . For aesthetic details and connections, see Architectural Sheets.

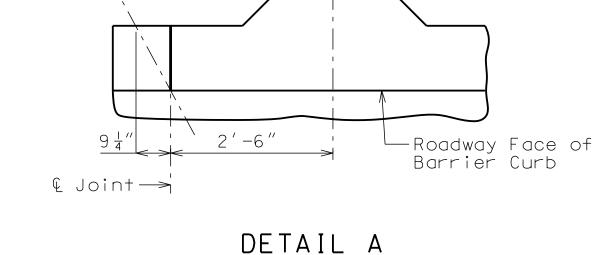
For light standards, light baseplate, and wiring, see "Public Street, Storm Sewer and Street Lighting Plans for Paragon Star Development Paragon Parkway" plans set.

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

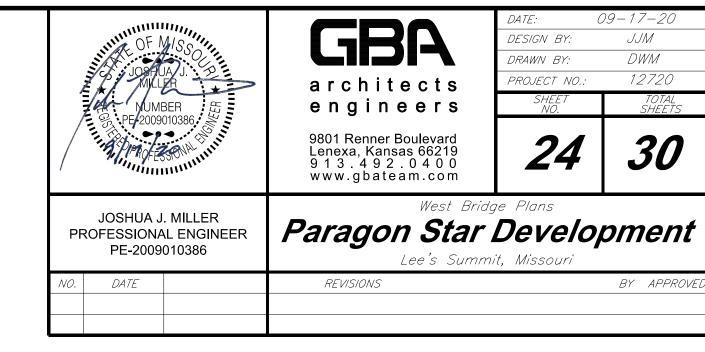
For details of Light Support and Barrier reinforcement,







€ Light Support ---->



09–17–20

JJM

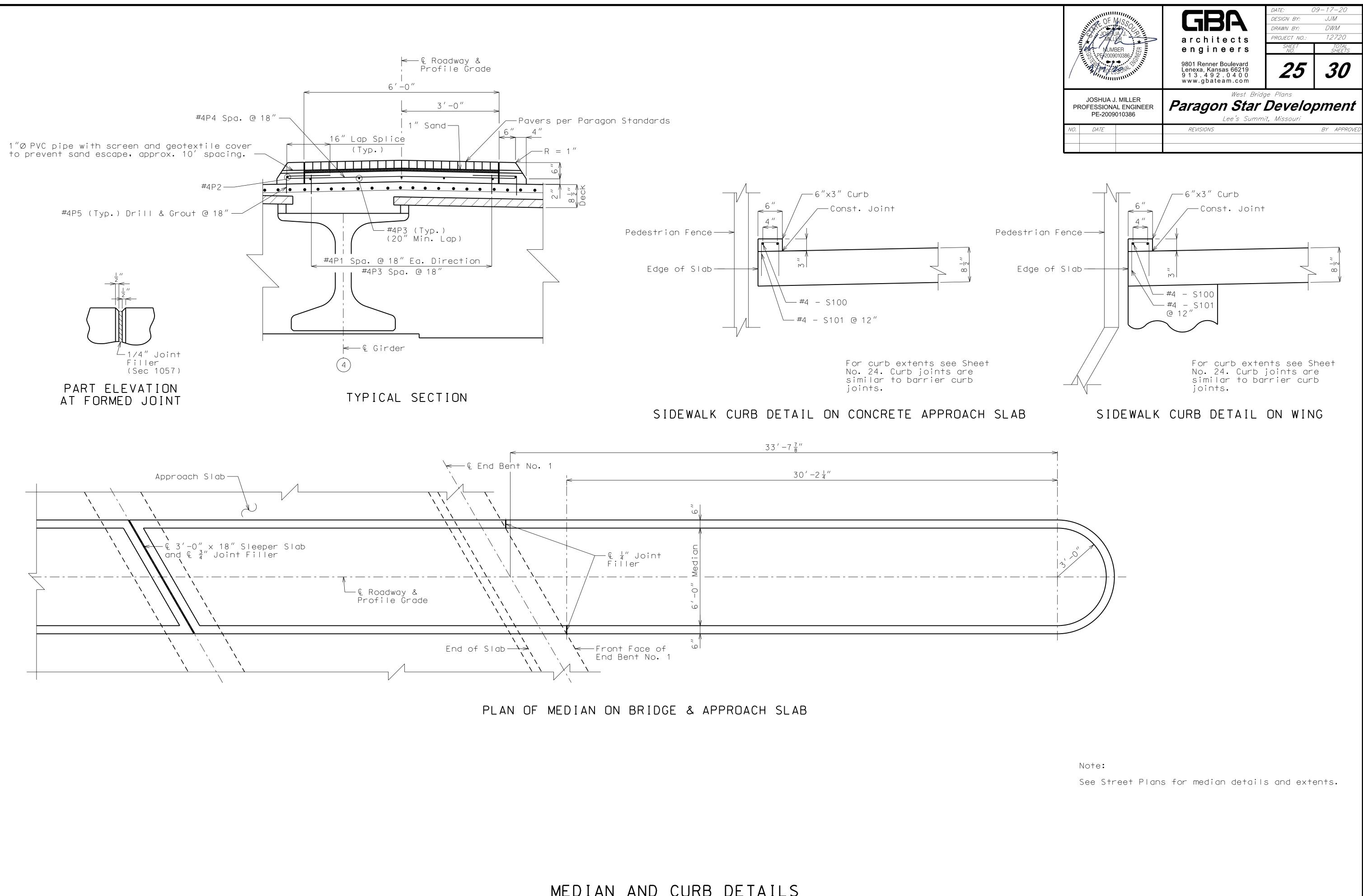
DWM

12720

SHEFTS

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BY APPROVE



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.

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.

All end bent, intermediate bent, and barrier junction boxes shall be PVC molded in accordance with Sec 1062. The conduit terminations shall be permanentor 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 $\frac{1}{4}$.

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.

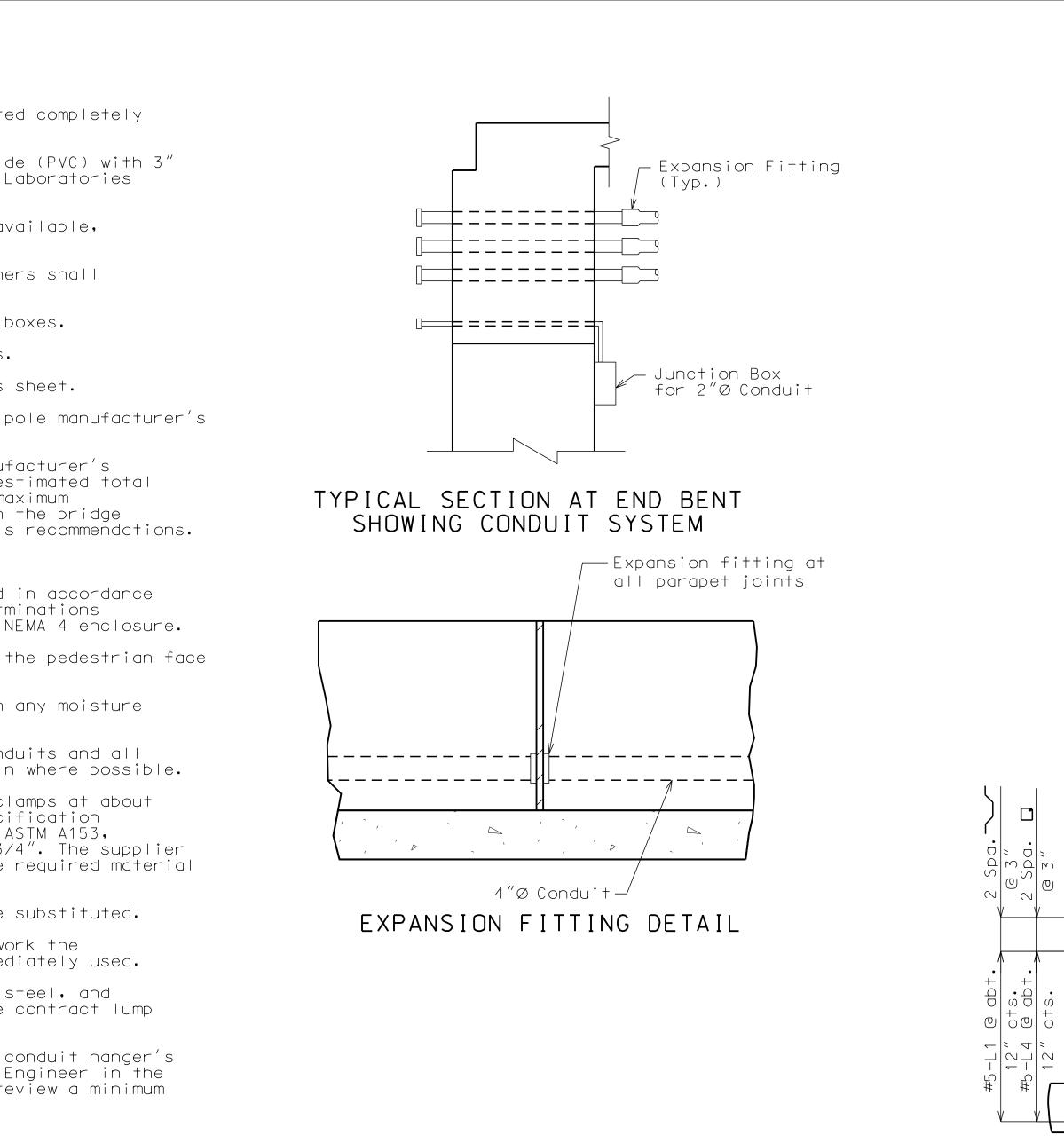
All 1" and 2" diameter conduits shall be secured to concrete with nonmetallic clamps at about 5'-0" cts. Concrete anchors for clamps shall be in accordance with Federal Specification FF-S-325, Group II, Type 4, Class I and shall be galvanized in accordance with ASTM A153, B695-91 Class 50 or stainless 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.

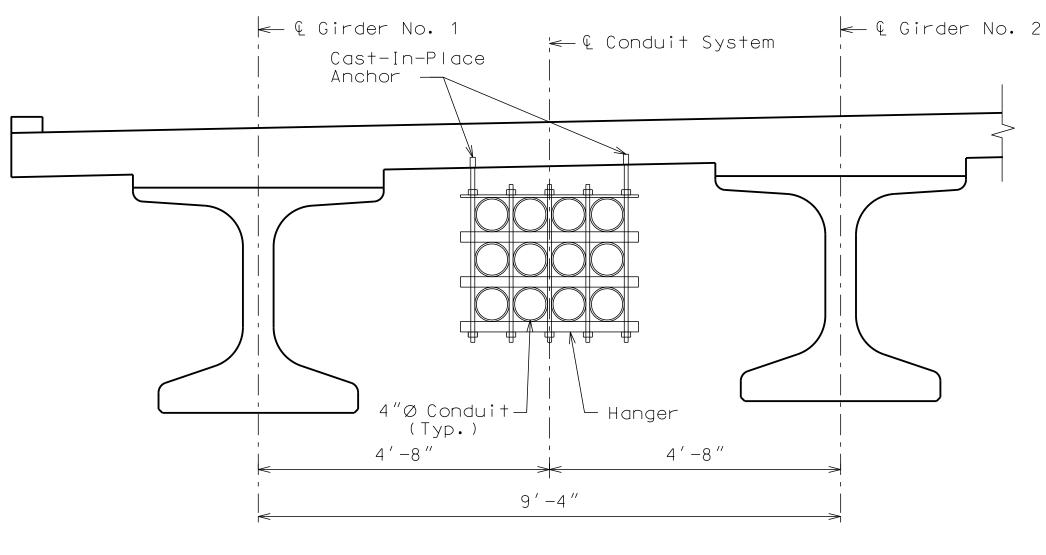
Junction box size shown on plan may require special order. No other size may be substituted.

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.

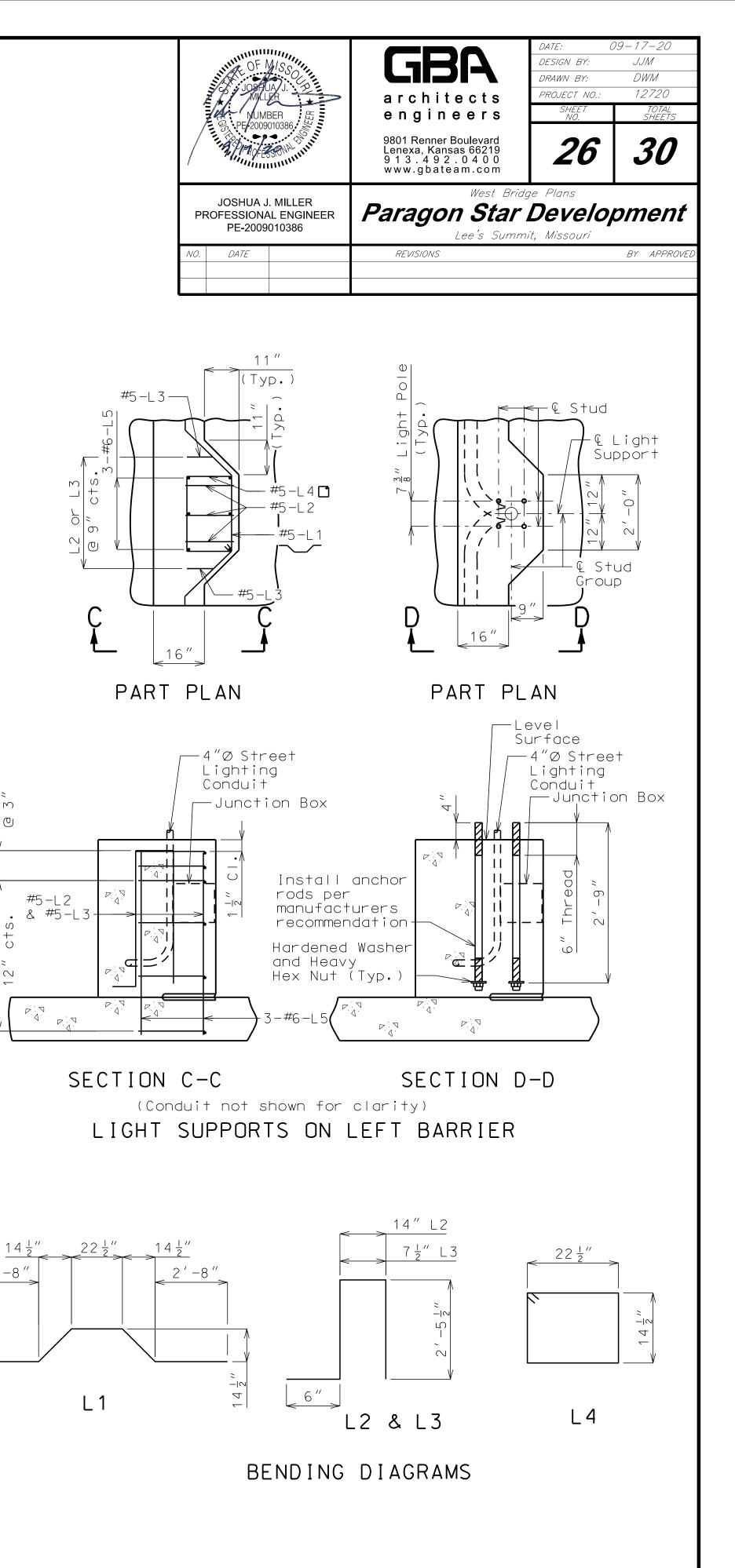
Cast-in-place anchors for the 12-duct conduit system shall be designed per the conduit hanger's engineer and the design shall be signed and sealed by a registerd Professional Engineer in the State of Missouri. The design and details shall be submitted to the owner for review a minimum for four weeks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

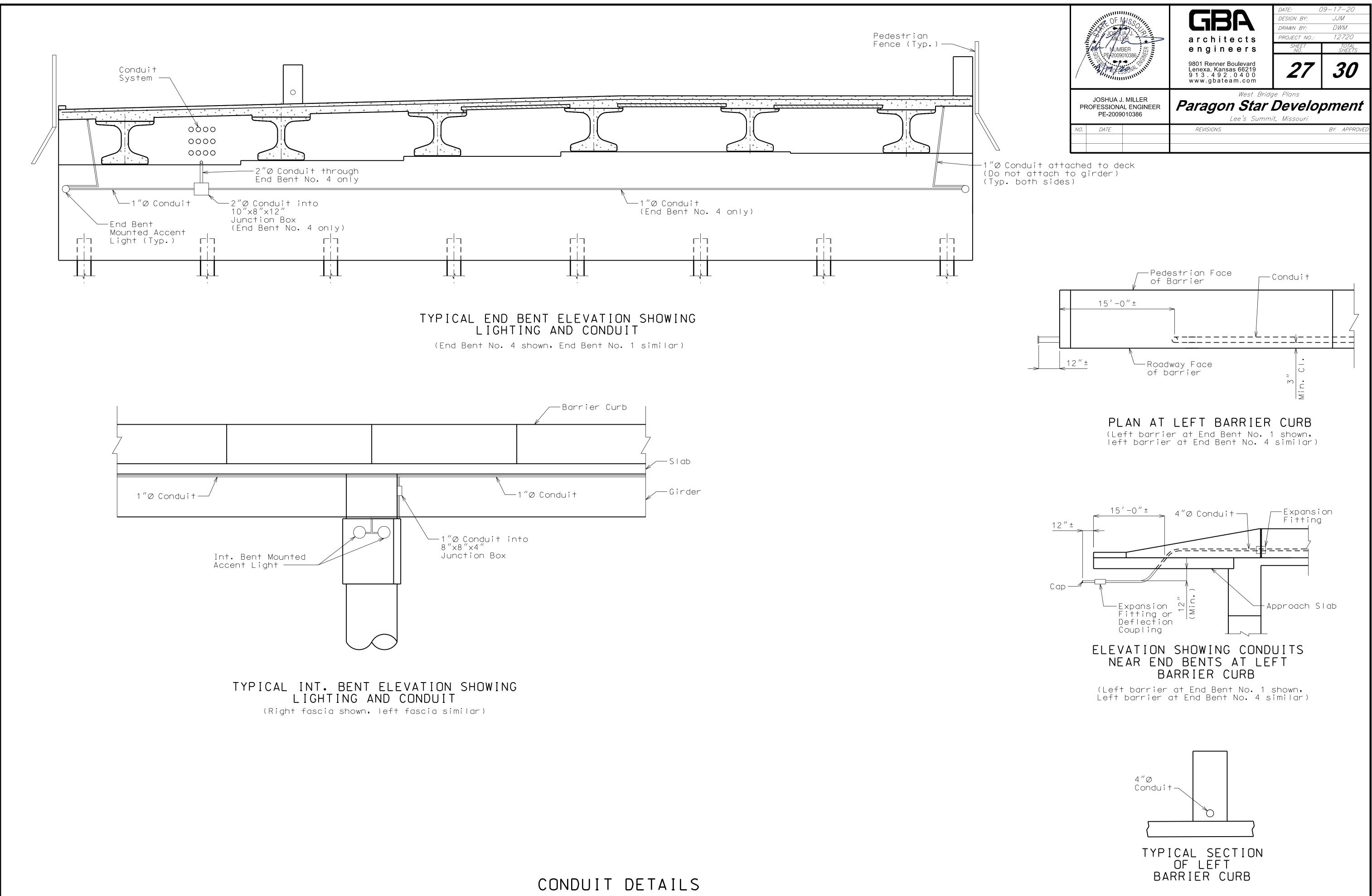


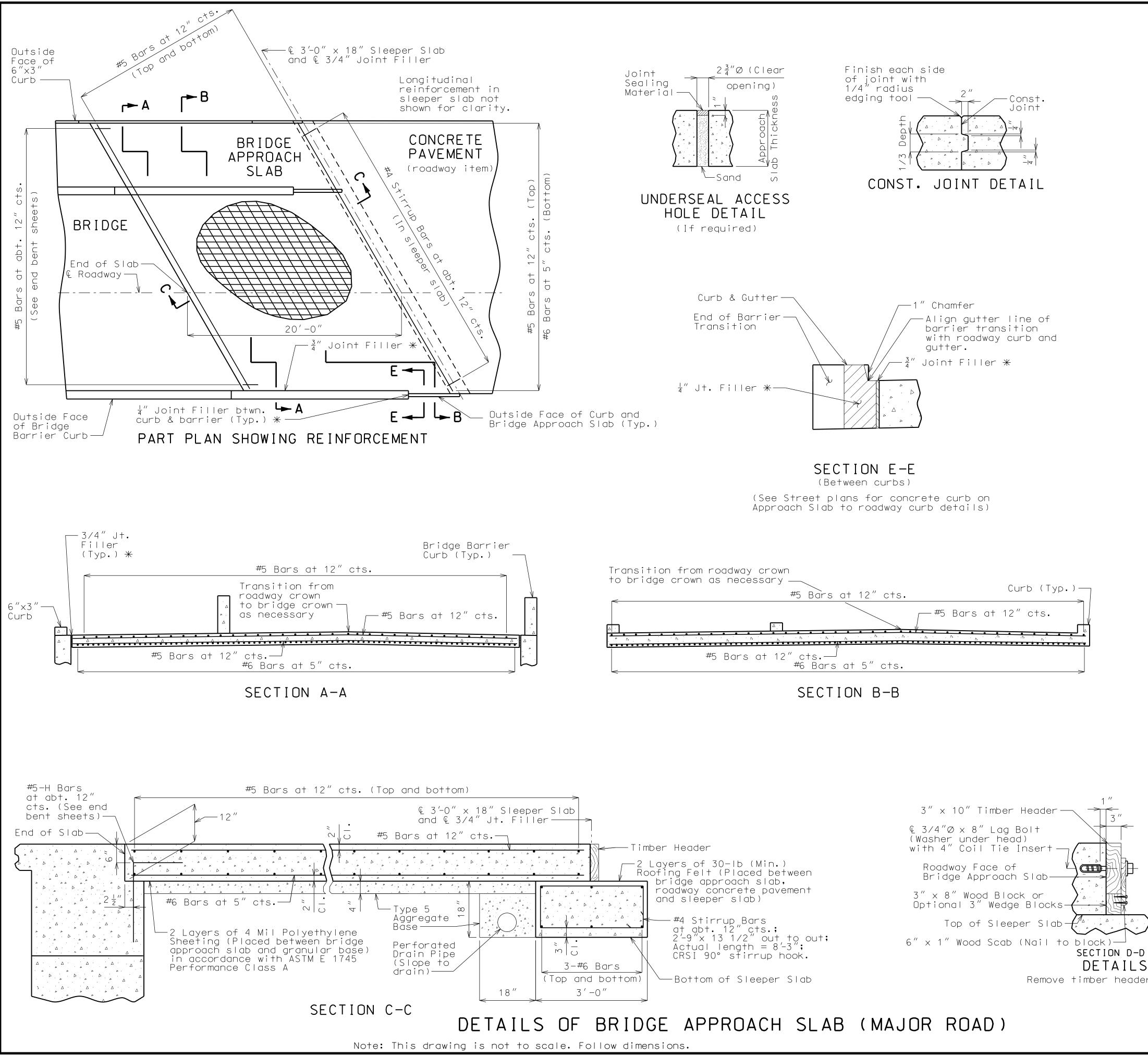


2'-8'

CONDUIT SYSTEM HANGER DETAIL CONDUIT DETAILS







OF MISSO JOSFUAJJ	GBA architects engineers	DATE: 0 DESIGN BY: DRAWN BY: PROJECT NO.: SHEET NO.	09–17–20 JJM DWM 12720 TOTAL SHEETS
PE/2009010386.	9801 Renner Boulevard Lenexa, Kansas 66219 913.492.0400 www.gbateam.com	28	30
JOSHUA J. MILLER PROFESSIONAL ENGINEER PE-2009010386	West Brid Paragon Star Lee's Summ	Develo	pment
NO. DATE	REVISIONS		BY APPROVED

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 fy = 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.

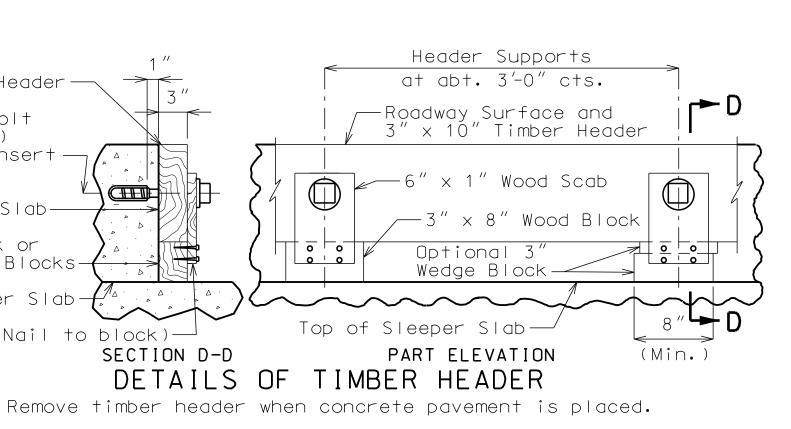
The contractor shall pour and satisfactorily finish the bridge before pouring the bridge approach slab.

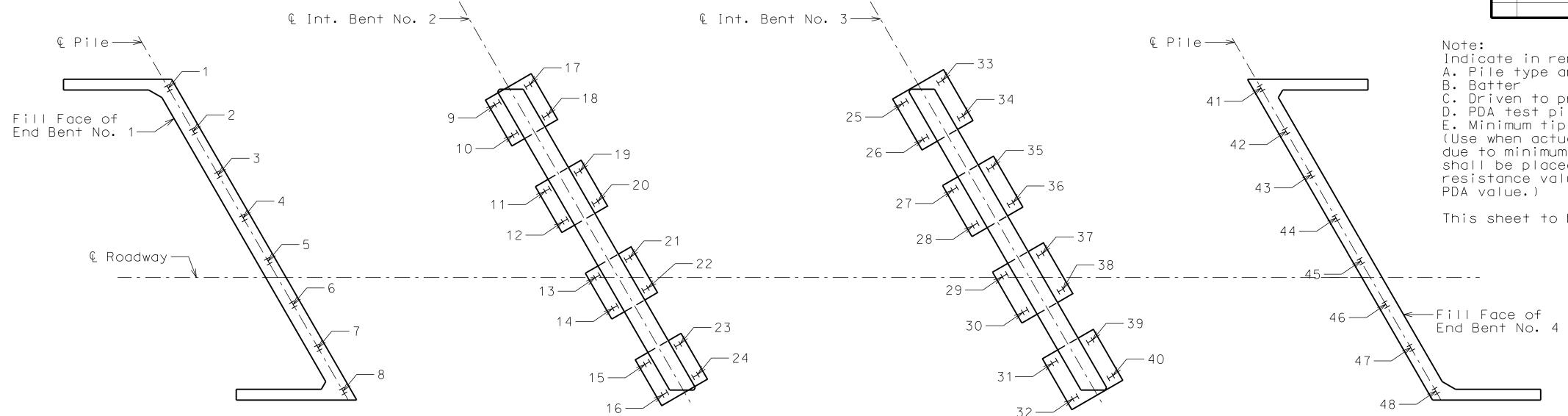
For Concrete Approach Pavement details, see Street plans.

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.

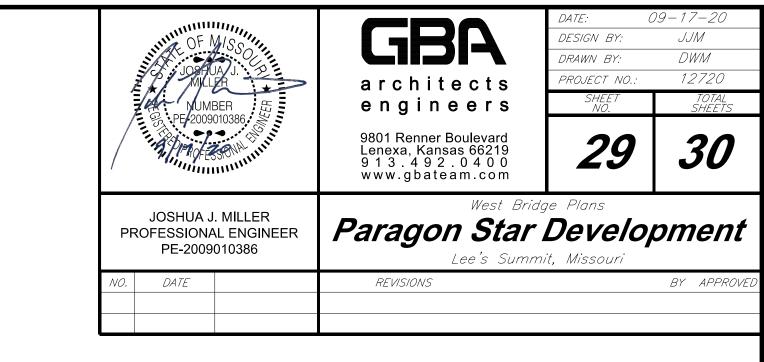




		As-Built	Pile Do	ata			As-Built	Pile Dat	D				As-Built	Pile Do	140
Pile No.	Length in Place (ft)		Actual End of Drive Blow Count (blows/in.)		Pile No.	Length in Place (ft)		Actual End of Drive Blow Count (blows/in.)	Remarks	Pile No.	Length in Place (ft)	PDA Nom. Axial Compressive Resistance (kips)	PDA End of Drive Blow Count (blows/in.)	Actual End of Drive Blow Count (blows/in.)	Remarks
				END BENT NO. 1					NT. BENT NO. 2 CONT.						INT. BENT NO. 3 CONT.
1					20		 			39					
2					21					40					
3					22										
4					23		 								
5					24										
7															END BENT NO. 4
8							 			4 1					
										42					
									NT. BENT NO. 3	43					
					25					44					
					26					45					
				INT. BENT NO. 2	27					46					
9					28					47					
10					29					48					
11					30										
12					31										
13					32										
14					33										
15					34										
16					35										
17					36										
18					37										
19					38										

PART PLAN SHOWING PILE NUMBERING FOR RECORDING AS-BUILT PILE DATA

AS-BUILT PILE DATA

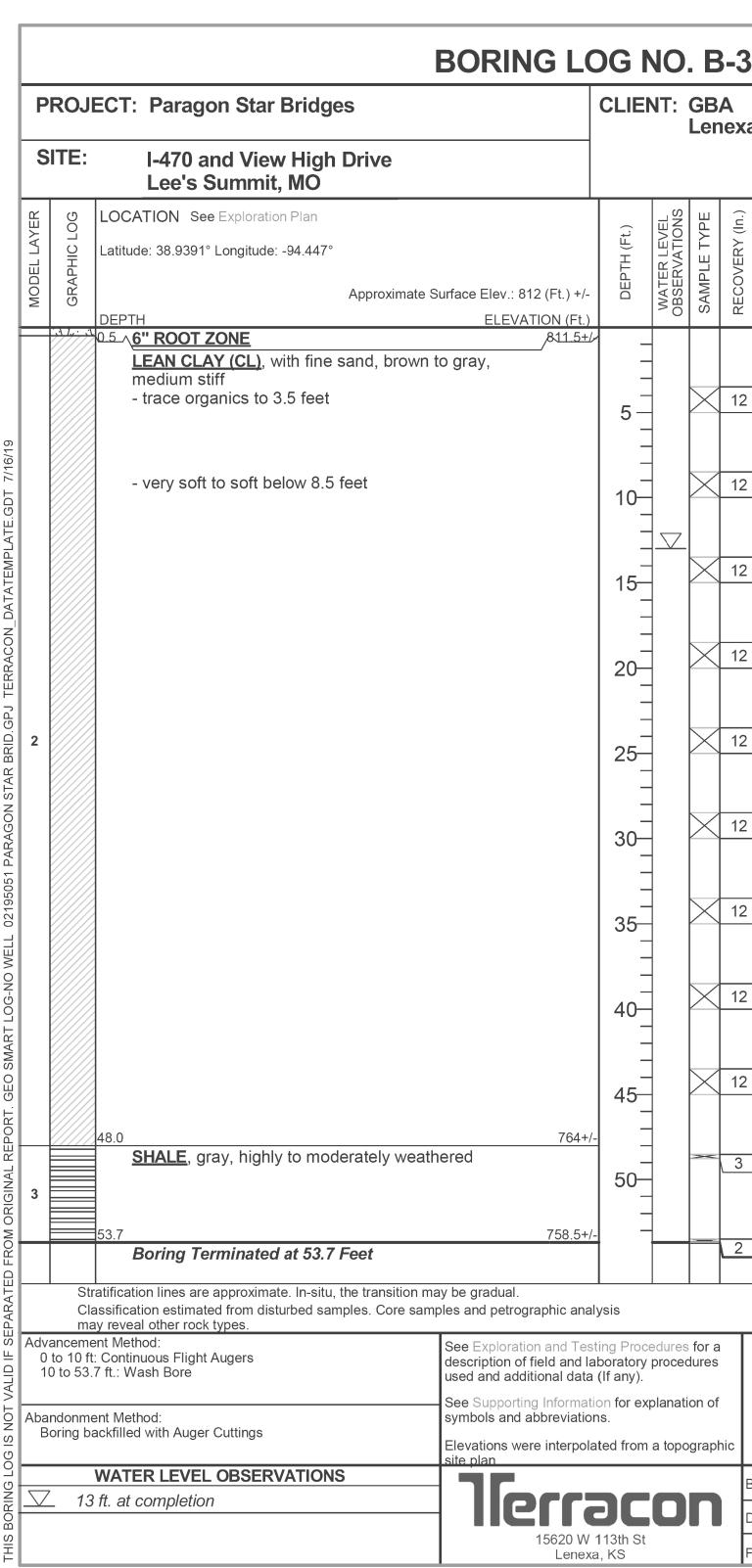


Note: Indicate in remarks column: A. Pile type and grade B. Batter C. Driven to practical refusal D. PDA test pile E. Minimum tip elevation controlled (Use when actual blow count is less than PDA blow count due to minimum tip elevation requirement. A plus sign (+) shall be placed after the PDA nominal axial compressive resistance value indicating actual value is higher than PDA value.)

This sheet to be completed by City construction personnel.

Ρ	ROJ	ECT: Paragon Star Bridges		CLIE			xa, I		
S	ITE:	I-470 and View High Drive Lee's Summit, MO				.cnc	κα, i		
MODEL LAYER	GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 38.9391° Longitude: -94.4477° Approximate Surface	e Elev.: 814 (Ft.) +/-	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (In.)	FIELD TEST RESULTS	UNCONFINED
_		DEPTH 0.5_∧ <mark>6'' ROOT ZONE</mark>	ELEVATION (Ft.) ,813.5+/~		>ō	S I			
		LEAN CLAY (CL), dark brown to brown, soft to	/	_					
		soft - trace organics to 5 feet.		5-			16	1-1-2 N=3	
		- with fine sand from 8.5 to 18.5 feet		 10			16	2-1-2 N=3	
				- - 15- -			18	0-0-1 N=1	
2		- with gravel below 18.5 feet		 20			18	0-1-3 N=4	
		- with fine sand below 23.5 feet		- - 25- -		× ,	18	0-0-1 N=1	
		28.5	785.5+/-	-					
		CLAYEY SAND (SC), trace gravel, brown, loo	se	30- - -		× ·	18	3-4-5 N=9	
				 35 		× .	10	5-3-4 N=7	
		<u>SHALE</u> , gray, highly to moderately weathered	<u>775.5+/-</u>	40		~	5	50/5"	
3				- - 45- -	. 2		3	50/3"	
		50.0 Boring Terminated at 50 Feet	764+/-	- - 50-			4	50/4"	
	Cla	atification lines are approximate. In-situ, the transition may be ssification estimated from disturbed samples. Core samples a	-	ysis			Ha	ammer Type: Au	utoma
	anceme	us Flight Augers desc usec	Exploration and Test cription of field and la and additional data	boratory (If any).	procedu	ires	Not	tes:	
	oring ba	nt Method: syml sckfilled with Auger Cuttings Elev site	Supporting Information bols and abbreviation ations were interpola	IS.					
		WATER LEVEL OBSERVATIONS					Borir	ng Started: 07-0	1-2019
	2.				U		Drill	Rig: 988	
			15620 W Lenexa				Proje	ect No.: 021950	51

		F	Page 1 of	1
			ATTERBERG	
SSIVE FINED	ЕR IT (%)	NIT (pcf)	ATTERBERG LIMITS	FINES
COMPRESSIVE STRENGTH (tsf)	WATE	DRY UNIT WEIGHT (pcf)	LL-PL-PI	PERCENT FINES
0.0.0				
	31			
	35			
	38			
	37			
	01			
	32			78
	29			
	21			20
	21			28
	17			
	0.1			
	31 /			_
atic				
19	Borir	ng Com	oleted: 07-01-;	2019
	Drille	er: SF		



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

				MISS JUA J JUA J MBER 09010386	E	a e	TRENNER BOULE 1 RENNER BOULE 1 RENNER BOULE 1 A 9 2 . 0 4 1 A 9 2 . 0 4 1 A 9 2 . 0 4 1 A 9 2 . 0 4	t s r s 219 0 0 com	DESIGN BY: DRAWN BY: PROJECT NO.: SHEET NO. 30	JJM DWM 12720 TOTAL SHEETS 30
			ESSION	J. MILL NAL EN()901038	GINEER		ragon S	Star I	ne Plans Develoj t, Missouri	DMENT
3				F	Page 1 o	f 1				
xa,	KS									
	FIELD TEST RESULTS	UNCONFINED COMPRESSIVE STRENGTH (tsf)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBER LIMITS LL-PL-PI	NT FINES				
2	3-3-3 N=6		23							
2	1-1-1 N=2		27							
2	0-0-0 N=0		30			99				
2	1-1-1 N=2		31							
2	0-0-1 N=1	_	32							
2	0-0-2 N=2		32							
2	0-0-2 N=2		32			99				
2	0-0-2 N=2	_	34							
2	0-1-1 N=2		33							
<u> </u>	50/3"		15							
2_ ^ H	50/2" ammer Type: Aut	omatic	17							
No	otes:									
⊢	ng Started: 07-01-	-2019	+		pleted: 07-0	1-2019				
\vdash	Rig: 884 ect No.: 0219505 [,]		Drille	er: DB						

<u>GENERAL NOTES</u>

1. "A" SERIES DRAWINGS PERTAIN TO, BUT ARE NOT LIMITED TO: BRIDGE RAILS, RAIL STRUCTURE, RAIL FINISHES, AND BRIDGE LIGHTING.

2. ALL SPOT ELEVATIONS ARE TO STATE BASE PLANE COORDINATES USED BY THE BRIDGE AND CIVIL SCOPES.

3. ALL SPOT ELEVATIONS ARE FOR GENERAL COORDINATION PURPOSES ONLY. REFERENCE CIVIL AND BRIDGE SCOPES FOR OFFICIAL ELEVATIONS.

4. ALL WELDS ARE TO BE CONTINUOUS AND WATER TIGHT U.N.O.

5. ALL STEEL IS TO BE FULLY GALVANIZED. ANY GALVANIZING REMOVED DURING THE CONSTRUCTION OR INSTALLATION PROCESS SHALL BE REPAIRED WITH A ZINC-RICH PRIMER. BECAUSE ZINC-RICH PRIMER IS UNDERSTOOD TO BE A SHORTER LIVED FINISH AS WELL AS HAVING A DIFFERENT APPEARCE THAN ACTUAL GALVANIZING, EVERY EFFORT SHALL BE MADE TO MINIMIZE RELIANCE UPON ZINC-RICH PRIMER

6. ANY DIMENSIONS BETWEEN PRIMARY STRUCTURAL ELEMENTS (SUCH AS GRIDS) ARE FOR REFERENCE ONLY. REFERENCE BRIDGE STUCTURE DRAWINGS FOR OFFICIAL DIMENSIONS OF BRIDGE STRUCTURE.

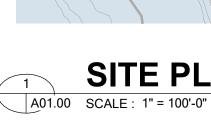
7. ALSO FOR REFERENCE ONLY ARE PORTRAYAL OF BRIDGE COMPONENTS, INCLUDING BUT NOT LIMITED TO: BRIDGE DECK, CURB TRANSITION BARRIERS, ROADWAY BARRIERS, GIRDERS, PIER BEAMS, PIERS, ABUTMENTS, ABUTMENT WING WALLS, AND APPROACH SLABS. REFERENCE BRIDGE STUCTURE DRAWINGS FOR OFFICIAL DOCUMENTATION OF BRIDGE COMPONENTS.

8. REFERENCE CIVIL DRAWINGS FOR ADJACENCT CIVIL SCOPE, INCLUDING BUT NOT LIMITED TO: ADJACENT DRIVE PAVING, CURBS, MEDIANS, AND STREET SIGNAGE.

9. REFERENCE BRIDGE ELECTRICAL/LIGHTING PACKAGE FOR ADDITIONAL LIGHTING INFORMATION AT BRIDGE DECK LIGHTING AND AT BRIDGE SIDE LIGHTING.

10. FOR INFORMATION ON CONDUIT ROUTING, REFERENCE ALL OF THE FOLLOWING: BRIDGE RAIL DRAWINGS, BRIDGE DRAWINGS, ELECTRICAL/LIGHTING DRAWINGS.

11. ALL ELECTRICAL CONDUIT SHALL BE WRAPPED TIGHT TO AND ALIGNED WITH ADJACENT SURFACES. RADIUSED CORNERS ARE TO BE KEPT TO BUILDABLE MINIMUM, AND CHANGES IN DIRECTION SHALL BE 90 DEGREES WHERE POSSIBLE.



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"

PROJECT-SPECIFIC TERMINOLOGY

OFFICIAL TERMS USED THROUGHOUT RAIL SCOPE ARE DENOTED BY ITALICS.

BRIDGE AND CIVIL - (FOR REFERENCE ONLY, SEE BRIDGE AND CIVIL DWGS FOR OFFICIAL TERMINOLOGY PERTAINING TO RESPECTIVE SCOPES)

DRIVE - PAVED PATH INTENDED FOR VEHICULAR TRAVEL. ALSO CALLED A ROAD.

APPROACH SLAB - ROADWAY SURFACE TRANSITION SITUATED BETWEEN THE BRIDGE DECK AND DRIVE.

BRIDGE - A STRUCTURE SPANNING A LAND AREA OF RELATIVELY LOWER GRADE ELEVATIONS, TYPICALLY CONNECTING DRIVES AND/OR PEDESTRIAN PATHWAYS ON EITHER SIDE.

ROADWAY - AT A PAVED DRIVE OR BRIDGE, THE PORTION OF CONSTRUCTION INTENDED FOR VEHICULAR TRAVEL.

SIDEWALK - TYPICALLY RUNNING PARALLEL WITH AND IN VICINITY TO A DRIVE, A PAVED GROUND CONSTRUCTION INTENDED FOR TRAVEL BY INHABITANTS ON FOOT (PEDESTRIANS).

PEDESTRIAN PATHWAY - ON A BRIDGE, THE PORTION OF THE BRIDGE DECK INTENTED FOR INHABITANTS ON FOOT (PEDISTRIANS).

BRIDGE DECK - THE CONTINOUS HORIZONTAL CONCRETE SLAB WORKING IN CONCERT WITH THE REST OF THE BRIDGE STRUCTURE. THE DECK'S PRIMARY FUNCTIONS ARE: 1. PROVIDE A FINISH SURFACE FOR VEHICLES AND PEDESTRIANS ON THE BRIDGE. 2. (IN SOME CASES) ACT AS A DIAPHRAGM, PROVIDING STABILITY TO OVERALL STRUCTURAL SYSTEM OF THE BRIDGE (RE: BRIDGE DWGS). 3. THE BRIDGE DECK AND BRIDGE DECK EDGE ANGLE TRANSFER LOADS FROM THE RAIL ASSEMBLIES AND ROADWAY BARRIERS BACK TO THE BRIDGE GIRDERS. PIER BEAMS AND BRIDGE PIERS.

BRIDGE DECK EDGE ANGLE - THE EMBEDDED STEEL SHAPE AT THE BRIDGE DECK EDGE PROVIDING FOR THE RAIL ASSEMBLIES IN-FIELD ATTACHMENT TO THE BRIDGE DECK.

ABUTMENT - AN ASSEMBLY OF VERTICAL CONCRETE WALLS LOCATED AT THE ENDS OF EACH BRIDGE CLEAR SPAN. INCLUDES THE MAIN ABUTMENT AND ABUTMENT WING WALLS.

ABUTMENT (MAIN) - THE PORTION OF THE ABUTMENT RUNNING PERPENDICULAR TO THE DIRECTION OF BRIDGE TRAVEL. MAIN ABUTMENT'S PRIMARY FUNCTIONS ARE TO: 1. SUPPORT THE END RUNS OF BRIDGE GIRDERS AND 2. RETAIN SOIL UNDER THE APPROACH SLAB.

ABUTMENT (WING WALLS) - THE RETURN LEGS OF THE ABUTMENT RUNNING PARALLEL WITH THE DIRECTION OF BRIDGE TRAVEL. THE WING WALLS PRIMARY FUNCTIONS ARE: 1. TO RETAIN SOIL UNDER THE APPROACH SLABS.

ROADWAY BARRIER - A CONCRETE WALL ON TOP OF THE BRIDGE DECK WHOSE PRIMARY FUNCTIONS INCLUDE: KEEPING VEHICLES ON THE ROADWAY 2. KEEPING PEDESTRIANS OFF THE ROADWAY (PEDESTRIAN/ROADWAY BARRIER WHEN DOING BOTH).

CURB - CONCRETE PROFILE ALONG THE ROADWAY EDGE WHOSE PRIMARY FUNCTIONS INCLUDE: 1. CHANNELING WATER DRAINAGE ALONG DESIGNED PATHWAYS 2. KEEPING STRAY VEHICLES ON THE ROADWAY BY ACTING AS A MINOR PHYSICAL BARRIER AND AS A NOTIFICATION.

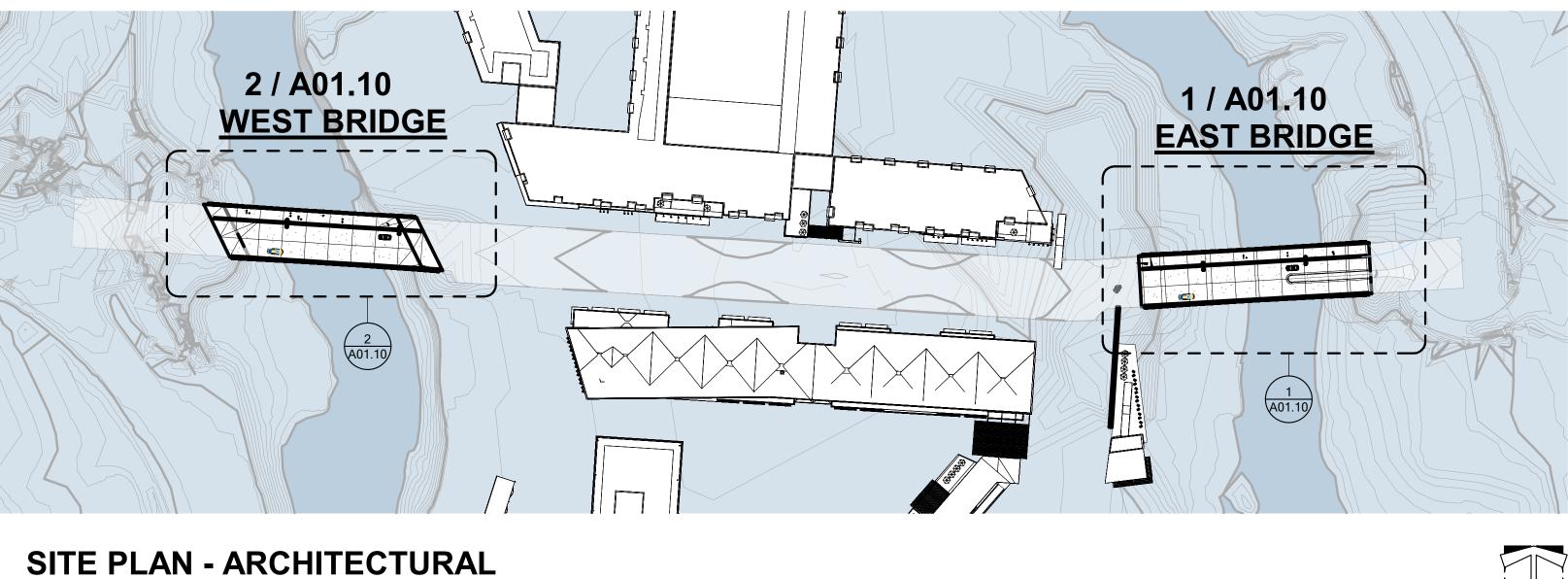
CURB TRANSITION BARRIER - CONCRETE WALL WITH A SLOPING TOP SURFACE, ACTING AS A GRADUAL CHANGE IN HEIGHT FROM A ROADWAY CURB TO A BRIDGE ROADWAY BARRIER. PRIMARY FUNCTIONS: 1. ELIMINATE A BLUNT FORCE IMPACT OF STRAY VEHICALS UPON CROSSING A BRIDGE

BRIDGE LONG SPAN GIRDERS - STRUCTURAL MEMBERS THAT SPAN THE OPENING BENEATH THE BRIDGE, SITUATED UNDER THE BRIDGE DECK AND OVER THE BRIDGE PIER BEAMS / BENTS.

BRIDGE PIER BEAMS OR BENTS - CONCRETE GIRDER DIRECTLY ATOP BRIDGE PIERS, THESE MEMBERS COLLECT ALL THE FORCES OF THE LONG SPAN BRIDGE GIRDERS AND "BENDS" (BENT) THE FORCES TO THE PIERS.

BRIDGE PIERS - SITUATED AT INTERMEDIATE BRIDGE BENTS, PIERS ARE VERTICAL CONCRETE COLUMNS WHOSE PRIMARY FUNCTIONS ARE TO: 1. TRANSFER VERTICAL LOADS FROM BRIDGE PIER BEAMS TO PIER FOUNDATION SYSTEMS IN THE GROUND. 2. CREATE A CLEARING UNDER A BRIDGE FOR OTHER ENTITIES (SUCH AS WATER) TO PASS. 3. MAINTAIN A PLAN PROFILE THAT REDUCES FRICTION BETWEEN MOVING WATER PASSING UNDER THE BRIDGE.

WING WALL FACE PLATE - AT BRIDGE ABUTMENT WING WALLS, A SURFACE APPLIED PLATE PROVIDING FOR THE RAIL ASSEMBLIES' ATTACHMENT TO THE ABUTMENT WING WALL.





WEST BRIDGE - RAIL SHEET LIST <u>REV # SHEET # DESCRIPTION</u>

A01.00
A01.10
A03.10
A03.11
A03.12
A05.20
A05.21
A05.30
A06.10
A06.11
A06.12
A06.13

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.

RAIL ANCHORAGE - ANY CONNECTIVE STEEL INTERMEDIATE TO THE RAIL GUARD AND EITHER THE BRIDGE DECK EDGE ANGLE (NORTH AND SOUTH RAIL RUNS AT BRIDGE DECK), WING WALL FACE PLATE (NORTH AND SOUTH RAIL RUNS AT WING WALLS), OR ROADWAY/PEDESTRIAN BARRIER (MIDDLE RAIL RUNS).

RAIL ASSEMBLY - A COLLECTION OF RAIL VERTS, RAIL HORIZONTALS, AND RAIL ANCHORAGE TO BE SHOP FABRICATED INTO A SINGLE, RIGID CONSTRUCTION FOR HOT-DIP GALVANIZING AND SHIPPING TO THE SITE. RAIL ASSEMBLY LENGTH SHALL BE DICTATED BY SIZE OF GALVANIZING TANK AVAILABLE TO CONTRACTOR.

RAIL RUN - REFERS TO A CONTINUOS COLLECTION OF SEQUENTIAL RAIL ASSEMBLIES ALONG A SINGLE PATH. BOTH THE WEST AND EAST BRIDGES EACH HAVE A SOUTH, NORTH, AND MIDDLE RAIL RUN.

BASELINE ELEVATION - A THEORETICAL ELEVATION ESTABLISHED FOR EACH RAIL RUN TO: 1. ALLOW COMMUNICATION OF VERTICAL DIMENSIONS USING SMALLER VALUES 2. ASSIST THE METAL FABRICATOR IN ALIGNING RAIL COMPONENTS DURING SHOP ASSEMBLY AND FIELD INSTALLATION. THE BASELINE ELEVATION IS SET AT 1'-0" BELOW THE LOWEST POINT OF THE ENTIRE RAIL RUN.

RAIL BREAK - MITERED JOINT IN RAIL VERT.

EAST BRIDGE - RAIL SHEET LIST REV # SHEET # DESCRIPTION

A01.00
A01.10
A03.20
A03.21
A03.22
A05.20
A05.21
A05.30
A06.10
A06.14
A06.15
A06.16

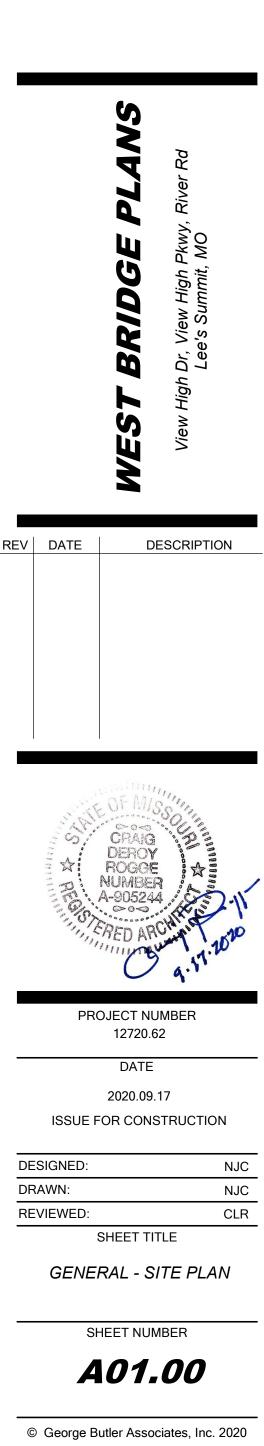
GENERAL - SITE PLAN PLANS WEST BRIDGE - NORTH RAIL RUN WEST BRIDGE - SOUTH RAIL RUN WEST BRIDGE - MIDDLE RAIL RUN RAIL DETAILS RAIL DETAILS LIGHT MOUNT DETAILS RAIL VERT TYPES SCHEDULE - WEST BRIDGE RAIL VERTS - NORTH RAIL RUN SCHEDULE - WEST BRIDGE RAIL VERTS - SOUTH RAIL RUN

GENERAL - SITE PLAN PLANS EAST BRIDGE - NORTH RAIL RUN EAST BRIDGE - SOUTH RAIL RUN EAST BRIDGE - MIDDLE RAIL RUN RAIL DETAILS RAIL DETAILS LIGHT MOUNT DETAILS RAIL VERT TYPES SCHEDULE - EAST BRIDGE RAIL VERTS - NORTH RAIL RUN SCHEDULE - EAST BRIDGE RAIL VERTS - SOUTH RAIL RUN SCHEDULE - EAST BRIDGE RAIL VERTS - MIDDLE RAIL RUN

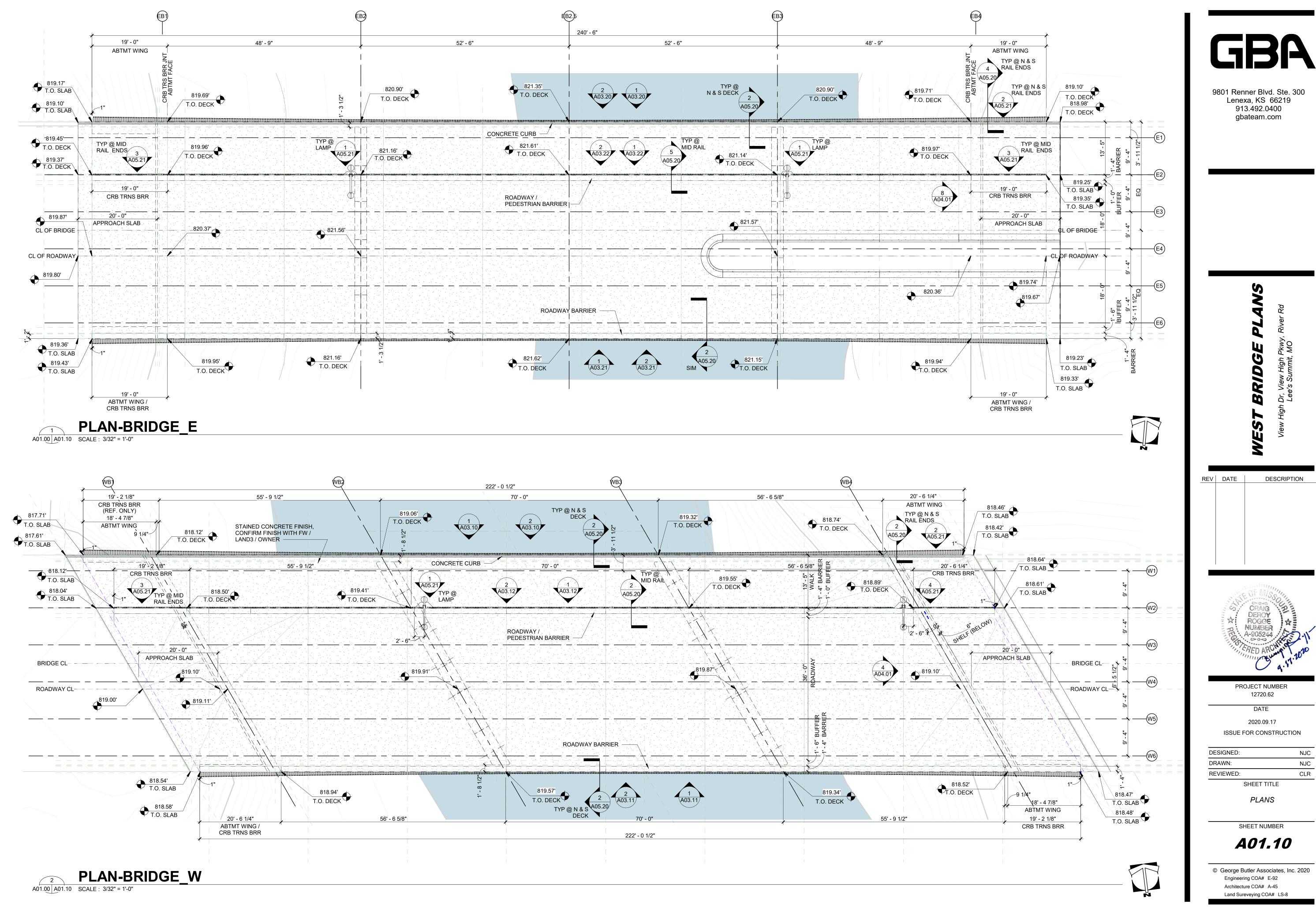
SCHEDULE - WEST BRIDGE RAIL VERTS - MIDDLE RAIL RUN

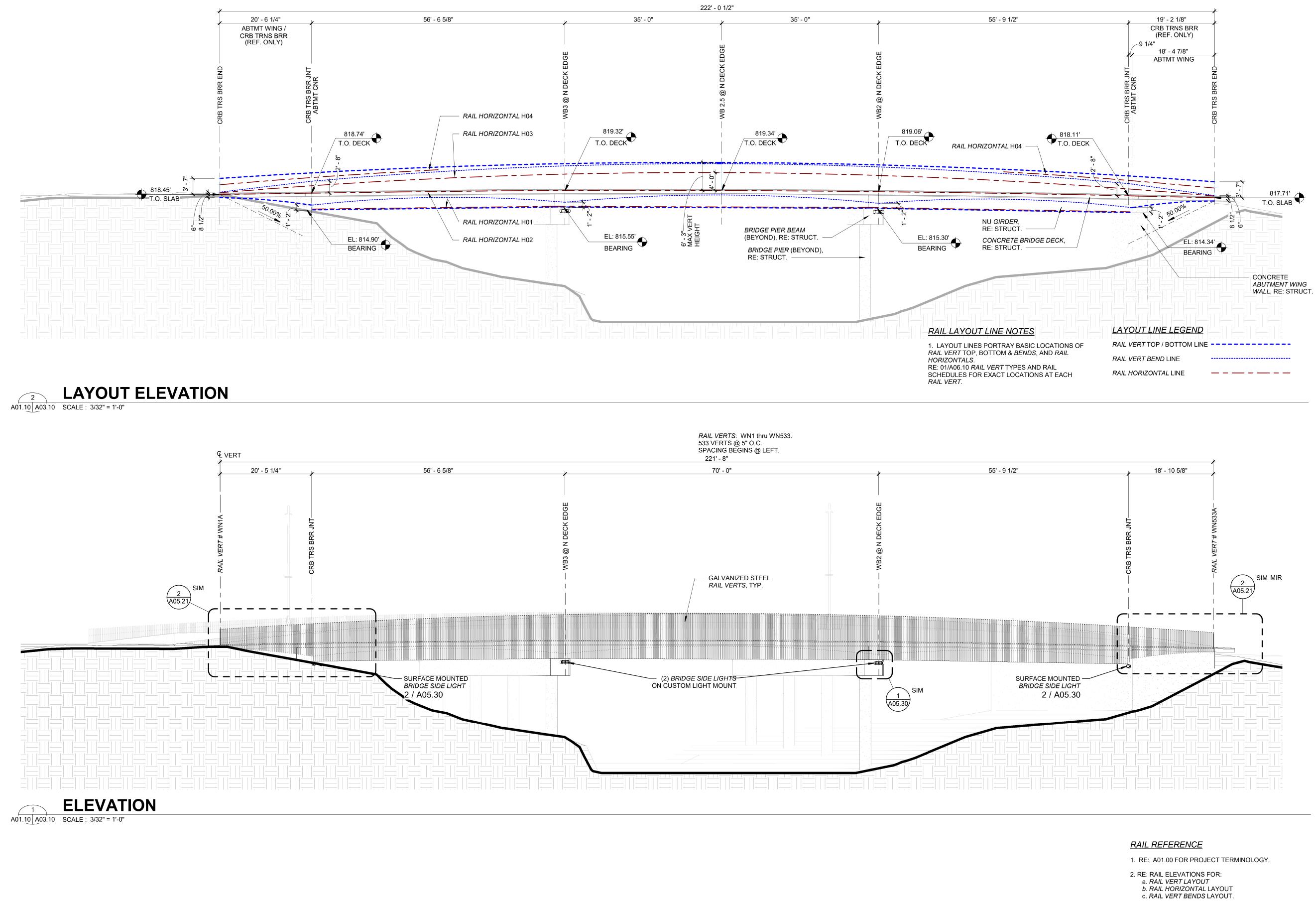


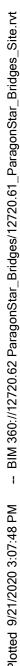
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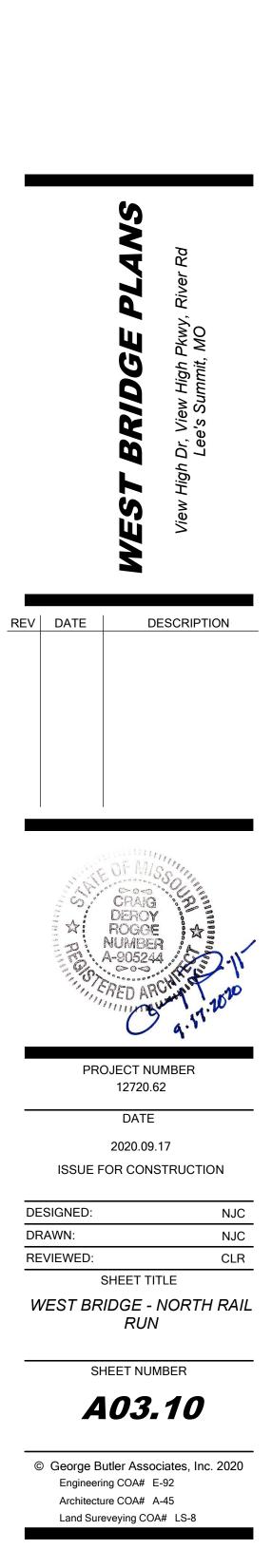


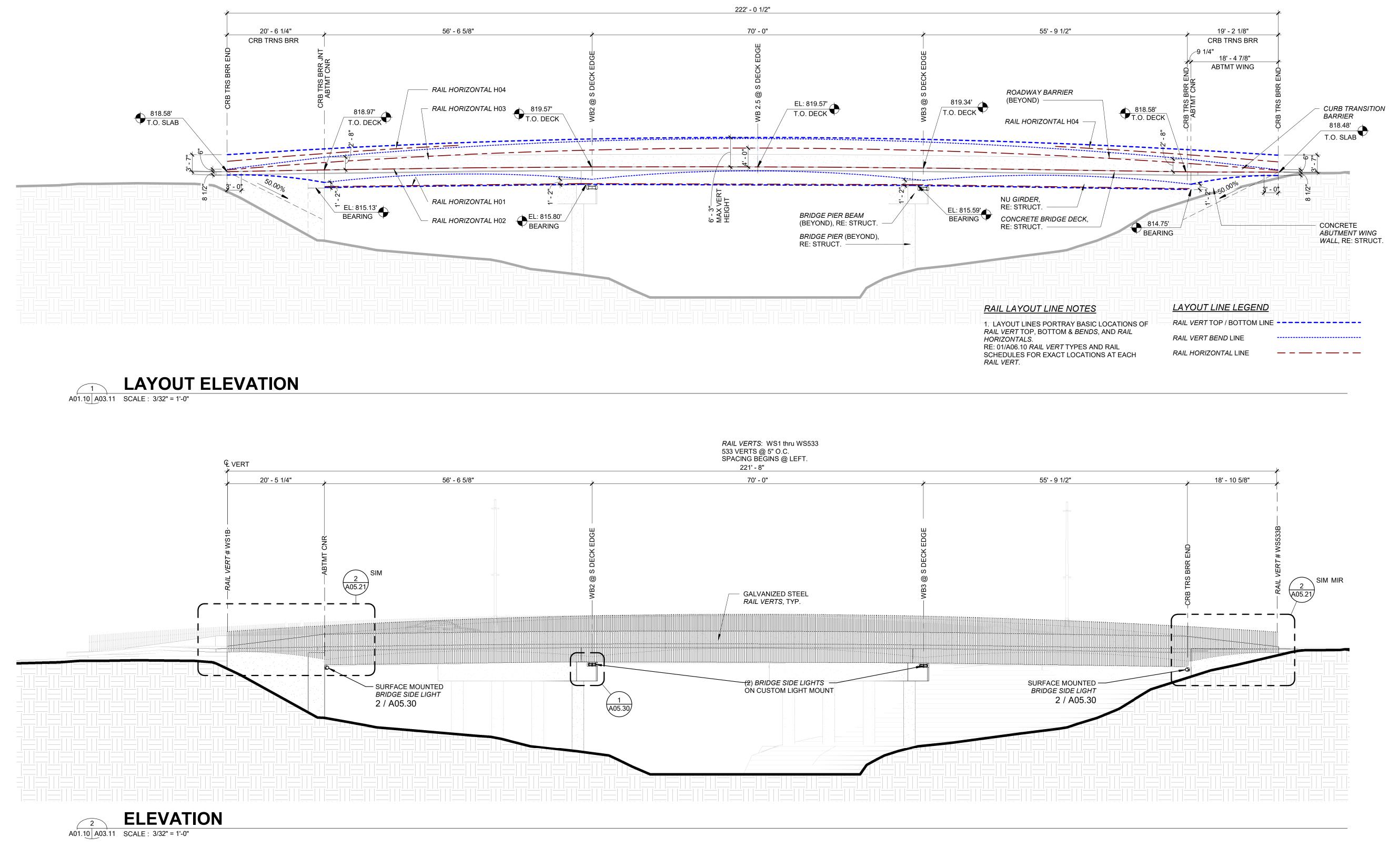


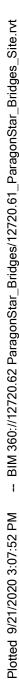
3. RE: 1 / A06.10 FOR: a. RAIL VERT CONFIGURATION TYPES.

- 4. RE: RAIL SCHEDULES FOR: a. RAIL VERT VERTICAL LOCATION RELATIVE a. RAIL VERT VERTICAL LOCATION RELATIVE TO EACH RAIL RUN BASELINE ELEVATION b. RAIL VERT LEG LENGTHS c. RAIL VERT BEND ANGLES d. ANCHORAGE LOCATIONS e. RAIL HORIZONTAL LOCATIONS











RAIL REFERENCE

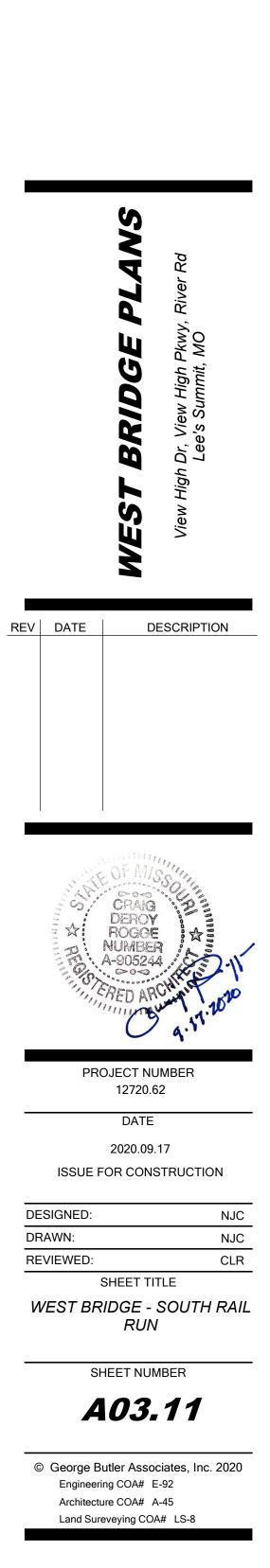
1. RE: A01.00 FOR PROJECT TERMINOLOGY.

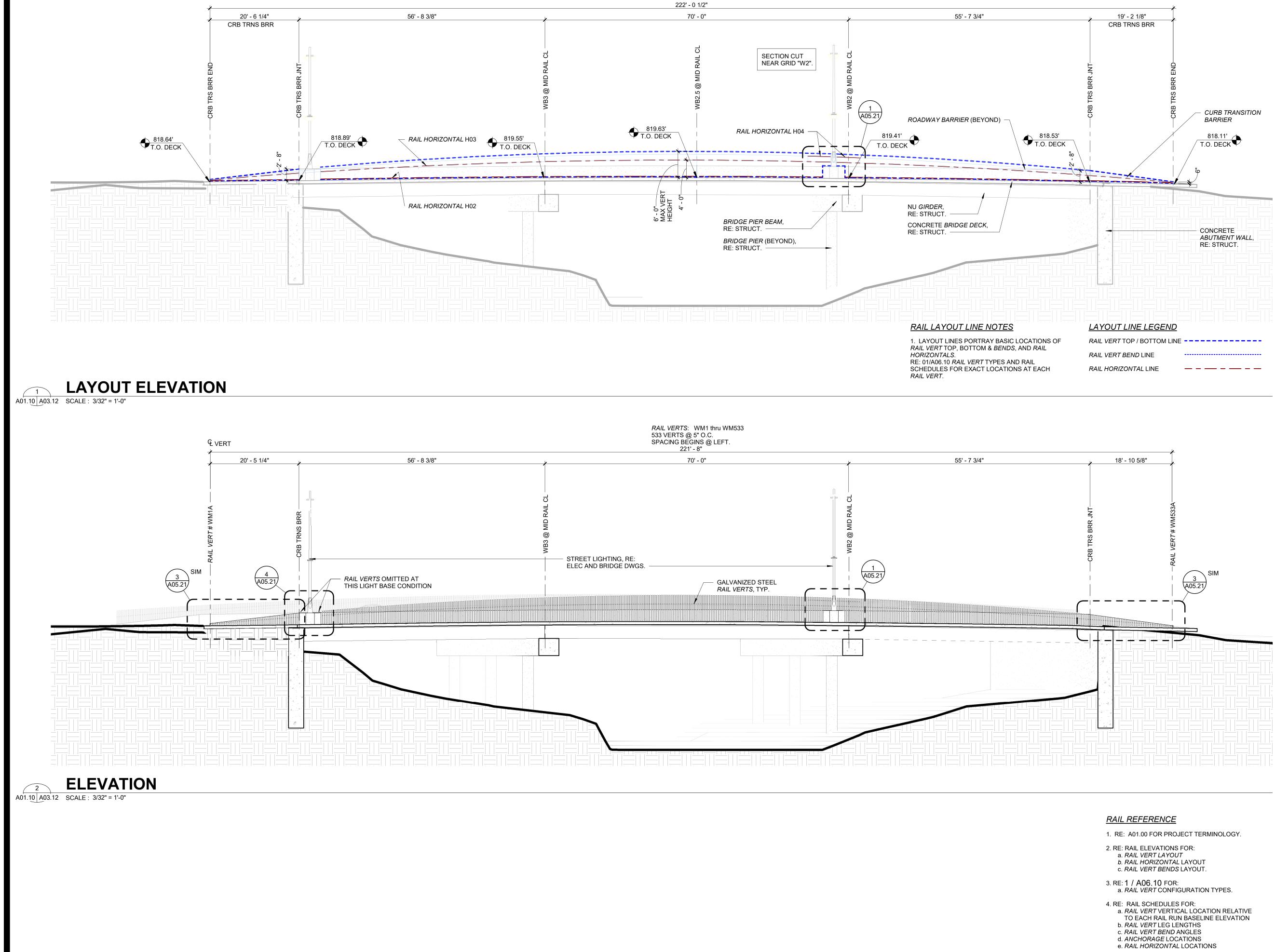
2. RE: RAIL ELEVATIONS FOR: a. RAIL VERT LAYOUT b. RAIL HORIZONTAL LAYOUT c. RAIL VERT BENDS LAYOUT.

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

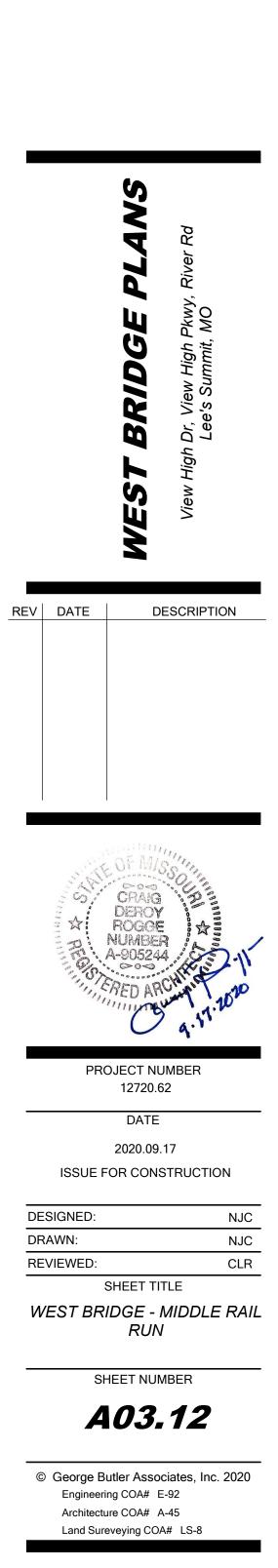
- 4. RE: RAIL SCHEDULES FOR: a. RAIL VERT VERTICAL LOCATION RELATIVE
- a. RAIL VERT VERTICAL LOCATION RELATIVE TO EACH RAIL RUN BASELINE ELEVATION b. RAIL VERT LEG LENGTHS c. RAIL VERT BEND ANGLES d. ANCHORAGE LOCATIONS e. RAIL HORIZONTAL LOCATIONS

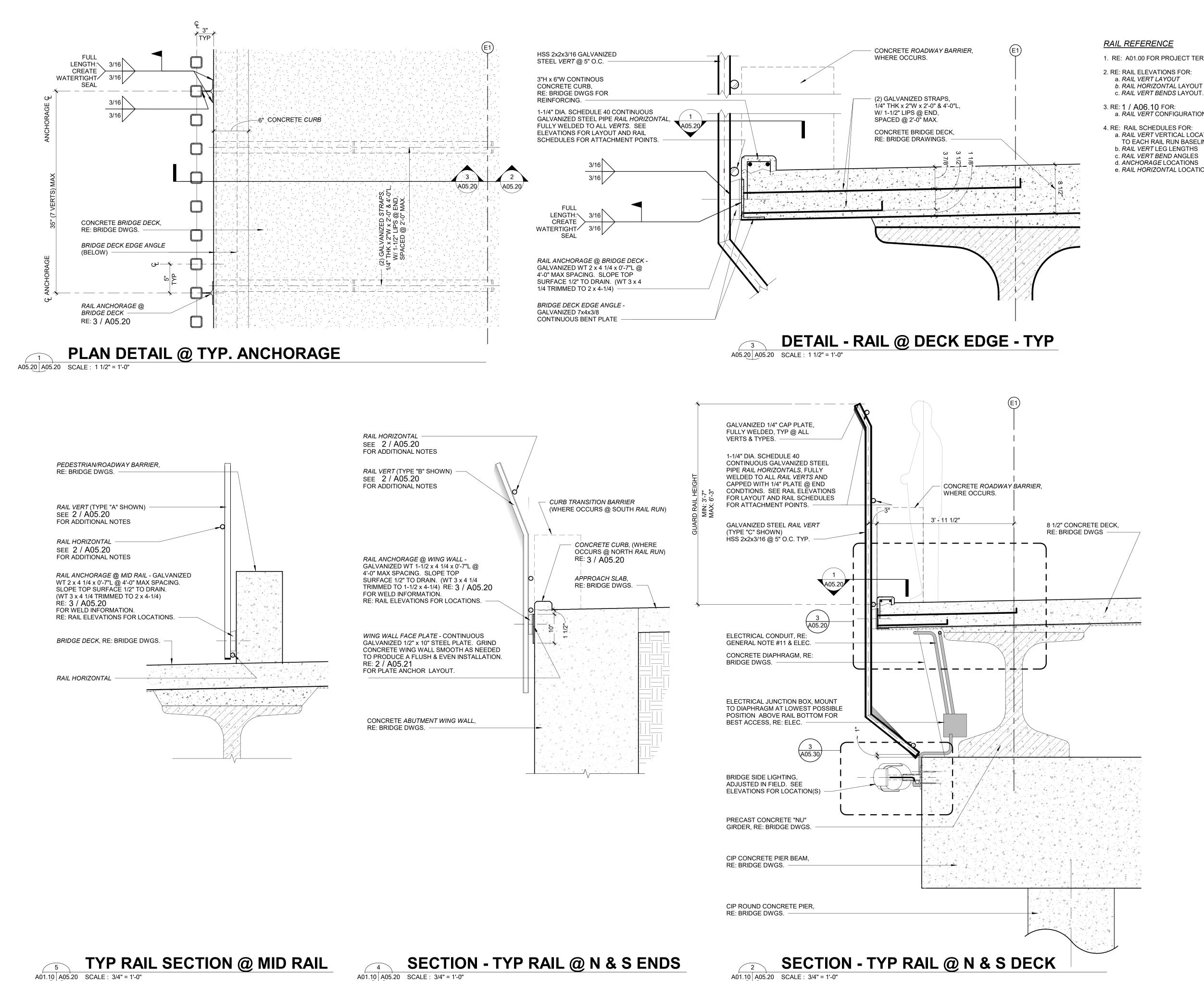












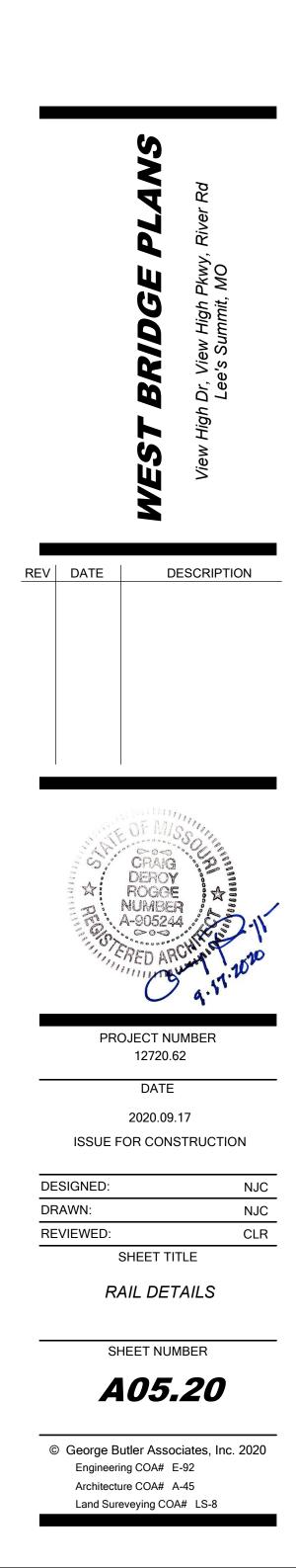


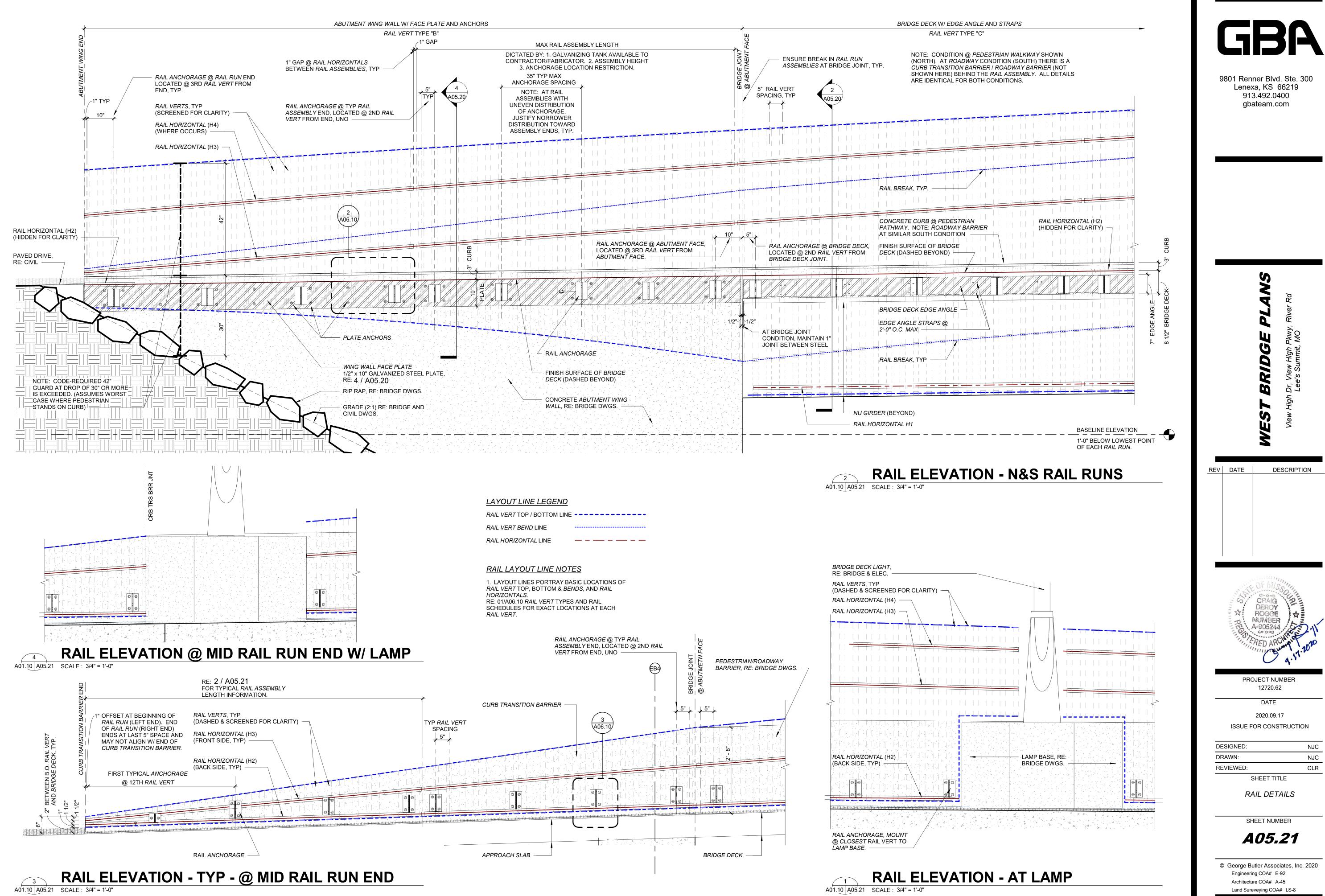


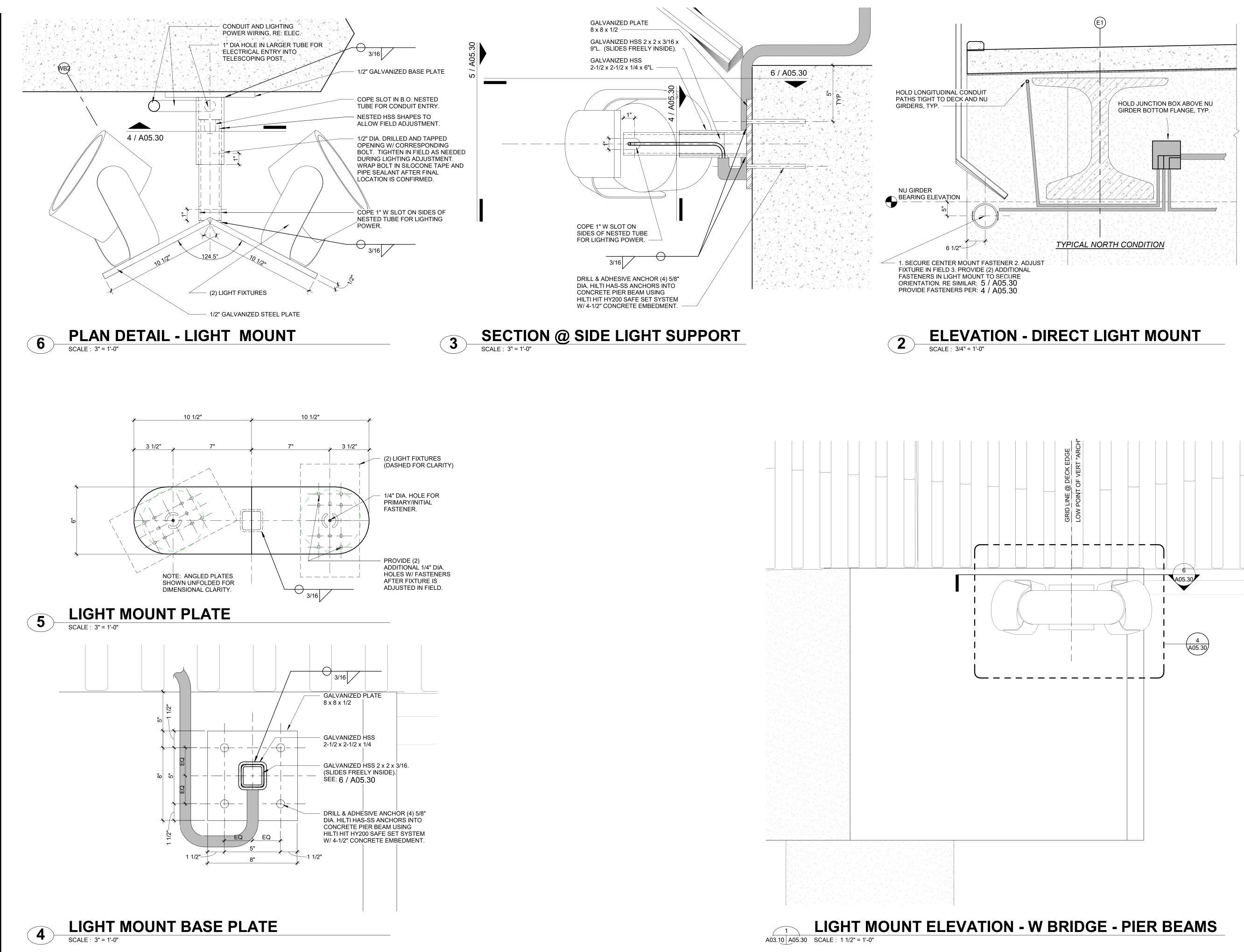
RAIL REFERENCE

- 1. RE: A01.00 FOR PROJECT TERMINOLOGY.
- 2. RE: RAIL ELEVATIONS FOR:
- a. RAIL VERT LAYOUT b. RAIL HORIZONTAL LAYOUT
- 3. RE: 1 / A06.10 FOR: a. *RAIL VERT* CONFIGURATION TYPES.
- 4. RE: RAIL SCHEDULES FOR:
- a. RAIL VERT VERTICAL LOCATION RELATIVE TO EACH RAIL RUN BASELINE ELEVATION b. RAIL VERT LEG LENGTHS
- c. RAIL VERT BEND ANGLES d. ANCHORAGE LOCATIONS
- e. RAIL HORIZONTAL LOCATIONS

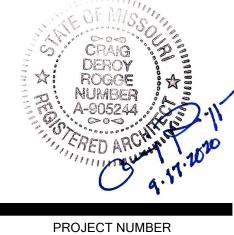








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DATE 2020.09.17

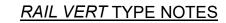
ISSUE FOR CONSTRUCTION

DESIGNED: NJC DRAWN: NJC **REVIEWED**: CLR SHEET TITLE

LIGHT MOUNT DETAILS

SHEET NUMBER A05.30

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1. RAIL "PO1V" ELEVATIONS SHALL BE USED FOR VERTICAL ALIGNMENT OF MEMBERS DURING SHOP ASSEMBLY.

2. VERTICAL DIMENSIONS OR ELEVATIONS STATED IN RAIL VERT SCHEDULES ARE TO BASELINE ELEVATION FOR EACH RAIL RUN. THE BASELINE ELEVATION IS ARBITRARILY SET TO 1'-0" BELOW THE LOWEST POINT OF EACH RAIL RUN AND IS UNIQUE TO EACH RAIL RUN.

3. ANCHORAGE SPACING LOGIC IS SPECIFIED IN DOCUMENTS, BUT ANCHORAGE IS NOT PRESENT AT EVERY RAIL VERT. BECAUSE SPECIFIC ANCHORAGE PLAN LOCATIONS ARE LAID OUT BY FABRICATOR, "ANV" ELEVATION HAS BEEN PROVIDED FOR ALL RAIL VERTS.

RAIL VERT TYPE LEGEND

"#" SYMBOL REPRESENTS A NUMBER

P0# - POINT AT CENTERPOINT OF RAIL VERT SEGMENT, LOCATED AT EITHER: RAIL VERT ENDS (TOP/BOTTOM) OR RAIL VERT BREAKS.

P0#V - POINT VERTICAL DISTANCE TO BASELINE ELEVATION

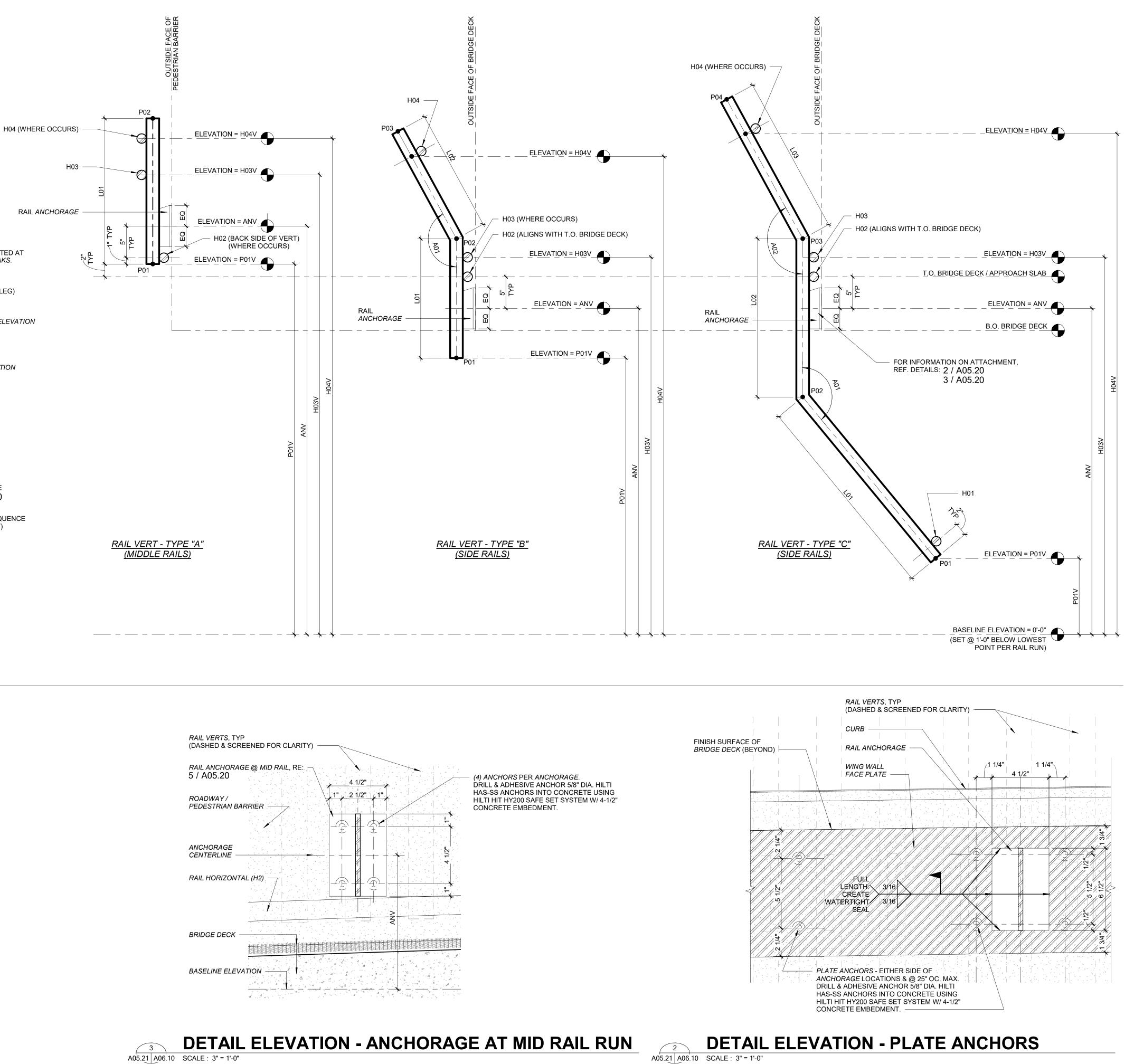
L0# - RAIL VERT SEGEMENT (LEG) OR LENGTH OF SEGMENT (LEG) H0# - RAIL HORIZONTAL

H0#V - RAIL HORIZONTAL VERTICAL DISTANCE TO BASELINE ELEVATION

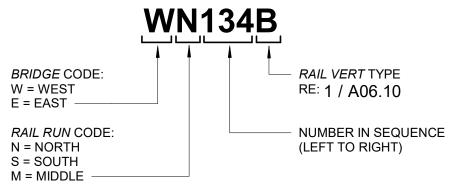
A0# - ANGLE BETWEEN ADJACENT RAIL VERT SEGMENTS

AN01 - CENTERLINE OF ANCHORAGE

ANV - ANCHORAGE VERTICAL DISTANCE TO BASELINE ELEVATION



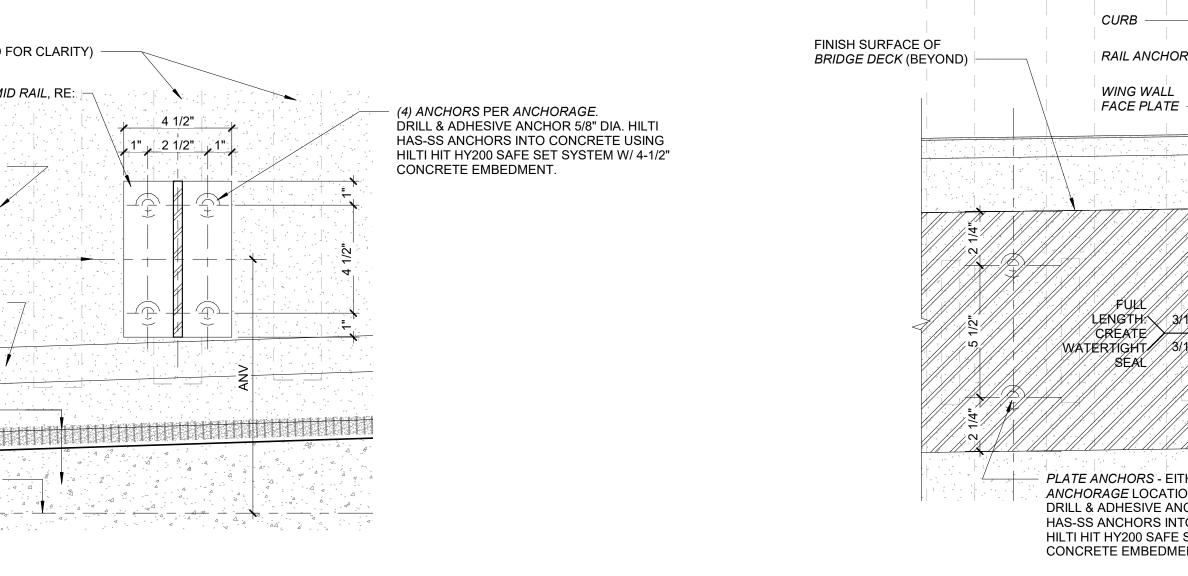
RAIL VERT ID LOGIC

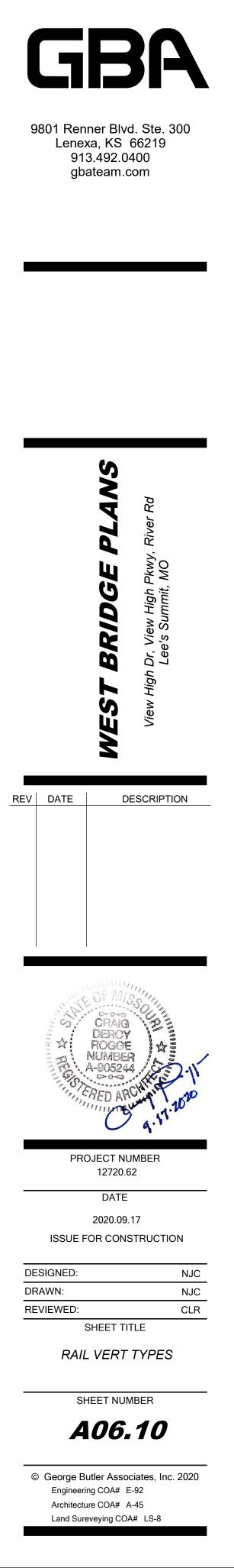




RAIL VERT TYPES







<u>ID</u>	WE <u>P01V</u>	ST <u>L01</u>	BR <u>A01</u>	IDG <u>102</u>	Е- <u>А02</u>	NO <u>L03</u>	RT	H R <u>ANV</u>	UN <u>H03V</u>	<u>H04</u> V
WN1B WN2B WN3B	4'-3 7/8" 4'-3 7/8" 4'-3 3/4"	1'-2 5/8" 1'-3 1/4" 1'-4"	162.028° 162.015° 162.000°	3'-2 7/8" 3'-2 5/8" 3'-2 1/4"			4'-5 1/2" 4'-5 7/8" 4'-6 1/4"	4'-7 1/2" 4'-7 1/2" 4'-7 5/8"	5'-5" 5'-5 1/2" 5'-5 7/8"	7'-2 1/ 7'- 7'-3 3/
WN4B WN5B	4'-3 3/4" 4'-3 5/8"	1'-4 5/8" 1'-5 3/8"	161.983° 161.966°	3'-2" 3'-1 3/4"			4'-6 3/4" 4'-7 1/8"	4'-7 5/8" 4'-7 3/4"	5'-6 1/4" 5'-6 3/4"	7'-3 3/- 7'-4 1/-
WN6B WN7B WN8B	4'-3 1/2" 4'-3 3/8" 4'-3 1/8"	1'-6 1/8" 1'-6 7/8" 1'-7 5/8"	161.947° 161.927° 161.906°	3'-1 1/2" 3'-1 1/4" 3'-0 7/8"			4'-7 5/8" 4'-8" 4'-8 1/2"	4'-7 3/4" 4'-7 7/8" 4'-8"	5'-7 1/8" 5'-7 1/2" 5'-8"	7'-4 5/ 7'-5 1/ 7'-5 1/
WN9B WN10B WN11B	4'-3" 4'-2 7/8" 4'-2 5/8"	1'-8 3/8" 1'-9 1/8" 1'-9 7/8"	161.883° 161.858° 161.832°	3'-0 5/8" 3'-0 3/8" 3'-0 1/8"			4'-9" 4'-9 1/2" 4'-10"	4'-8" 4'-8 1/8" 4'-8 1/8"	5'-8 3/8" 5'-8 3/4" 5'-9 1/8"	7'-5 7/ 7'-6 3/ 7'-6 3/
WN12B WN13B WN14B	4'-2 3/8" 4'-2 1/4" 4'-2"	1'-10 3/4" 1'-11 1/2" 2'-0 3/8"	161.805° 161.776° 161.745°	2'-11 3/4" 2'-11 1/2" 2'-11 1/4"			4'-10 1/2" 4'-11" 4'-11 5/8"	4'-8 1/4" 4'-8 1/4" 4'-8 3/8"	5'-9 5/8" 5'-10" 5'-10 3/8"	7'-7 1/ 7'-7 5/ 7'-
WN15B WN16B	4'-1 3/4" 4'-1 1/2"	2'-1 1/4" 2'-2 1/8"	161.713° 161.680°	2'-10 7/8" 2'-10 5/8"			5'-0 1/8" 5'-0 3/4"	4'-8 3/8" 4'-8 1/2"	5'-10 3/4" 5'-11 1/4"	7'-8 3/ 7'-8 3/
WN17B WN18B WN19B	4'-1 1/8" 4'-0 7/8" 4'-0 1/2"	2'-3" 2'-3 7/8" 2'-4 3/4"	161.645° 161.607° 161.568°	2'-10 3/8" 2'-10 1/8" 2'-9 3/4"			5'-1 3/8" 5'-1 7/8" 5'-2 1/2"	4'-8 5/8" 4'-8 5/8" 4'-8 3/4"	5'-11 5/8" 6'-0" 6'-0 3/8"	7'-9 1/ 7'-9 5/ 7'-1
WN20B WN21B WN22B	4'-0 1/4" 3'-11 7/8" 3'-11 1/2"	2'-5 5/8" 2'-6 5/8" 2'-7 5/8"	161.527° 161.484° 161.440°	2'-9 1/2" 2'-9 1/4" 2'-8 7/8"			5'-3 1/8" 5'-3 3/4" 5'-4 1/2"	4'-8 3/4" 4'-8 7/8" 4'-8 7/8"	6'-0 3/4" 6'-1 1/8" 6'-1 1/2"	7'-10 3/ 7'-10 7/ 7'-11 1/
WN23B WN24B	3'-11 1/8" 3'-10 3/4"	2'-8 1/2" 2'-9 1/2"	161.393° 161.344°	2'-8 5/8" 2'-8 1/4"			5'-5 1/8" 5'-5 3/4"	4'-9" 4'-9"	6'-2" 6'-2 3/8"	7'-11 5/ 8'-
WN25B WN26B WN27B	3'-10 3/8" 3'-10" 3'-9 5/8"	2'-10 1/2" 2'-11 1/2" 3'-0 1/2"	161.293° 161.240° 161.184°	2'-8" 2'-7 3/4" 2'-7 3/8"			5'-6 1/2" 5'-7 1/4" 5'-7 7/8"	4'-9 1/8" 4'-9 1/4" 4'-9 1/4"	6'-2 3/4" 6'-3 1/8" 6'-3 1/2"	8'-0 3/ 8'-0 3/ 8'-1 1/
WN28B WN29B WN30B	3'-9 1/8" 3'-8 5/8" 3'-8 1/4"	3'-1 1/2" 3'-2 5/8" 3'-3 5/8"	161.126° 161.066° 161.003°	2'-7 1/8" 2'-6 3/4" 2'-6 1/2"			5'-8 5/8" 5'-9 3/8" 5'-10 1/8"	4'-9 3/8" 4'-9 3/8" 4'-9 1/2"	6'-3 7/8" 6'-4 1/4" 6'-4 5/8"	8'-1 5/ 8'- 8'-2 3/
WN31B WN32B WN33B	3'-7 3/4" 3'-7 1/4" 3'-6 3/4"	3'-4 3/4" 3'-5 7/8" 3'-7"	160.938° 160.869° 160.799°	2'-6 1/4" 2'-5 7/8" 2'-5 5/8"			5'-11" 5'-11 3/4" 6'-0 1/2"	4'-9 1/2" 4'-9 5/8" 4'-9 5/8"	6'-5" 6'-5 3/8" 6'-5 3/4"	8'-2 3/ 8'-3 1/ 8'-3 1/
WN34B WN35B	3'-6 1/4" 3'-5 5/8"	3'-8 1/8" 3'-9 1/4"	160.725° 160.648°	2'-5 1/4" 2'-5"			6'-1 3/8" 6'-2 1/8"	4'-9 3/4" 4'-9 7/8"	6'-6 1/8" 6'-6 1/2"	8'-3 7 8'-4 1
WN36B WN37B WN38B	3'-5 1/8" 3'-4 1/2" 3'-4"	3'-10 3/8" 3'-11 1/2" 4'-0 3/4"	160.568° 160.485° 160.399°	2'-4 5/8" 2'-4 3/8" 2'-4"			6'-3" 6'-3 7/8" 6'-4 3/4"	4'-9 7/8" 4'-10" 4'-10"	6'-6 7/8" 6'-7 1/4" 6'-7 5/8"	8'-4 5/ 8'- 8'-5 3/
WN39B WN40B WN41B	3'-3 3/8" 3'-2 3/4" 3'-2 1/8"	4'-1 7/8" 4'-3 1/8" 4'-4 3/8"	160.310° 160.216° 160.119°	2'-3 3/4" 2'-3 3/8" 2'-3 1/8"			6'-5 5/8" 6'-6 1/2" 6'-7 3/8"	4'-10 1/8" 4'-10 1/8" 4'-10 1/4"	6'-7 7/8" 6'-8 1/4" 6'-8 5/8"	8'-5 3, 8'-6 1, 8'-6 1,
WN42B WN43B	3'-1 1/2" 3'-0 7/8"	4'-5 5/8" 4'-6 7/8"	160.018° 159.914°	2'-2 3/4" 2'-2 1/2"			6'-8 3/8" 6'-9 1/4"	4'-10 1/4" 4'-10 3/8"	6'-9" 6'-9 3/8"	8'-6 7 8'-7 1
WN44B WN45B WN46B	3'-0 1/8" 2'-11 1/2" 2'-10 3/4"	4'-8 1/8" 4'-9 3/8" 4'-10 5/8"	159.804° 159.691° 159.574°	2'-2 1/8" 2'-1 3/4" 2'-1 1/2"			6'-10 1/4" 6'-11 1/8" 7'-0 1/8"	4'-10 1/2" 4'-10 1/2" 4'-10 5/8"	6'-9 3/4" 6'-10" 6'-10 3/8"	8'-7 5/ 8'- 8'-8 3/
WN47B WN48B	2'-10 1/8" 2'-9 3/8"	5'-0" 5'-1 1/4"	159.451° 159.323°	2'-1 1/8" 2'-0 7/8"			7'-1 1/8" 7'-2 1/8"	4'-10 5/8" 4'-10 3/4"	6'-10 3/4" 6'-11 1/8"	8'-8 3/ 8'-9 1/
WN49B WN50B WN51C	2'-8 5/8" 2'-7 7/8" 1'-7 1/4"	5'-2 5/8" 5'-4" 2'-1 5/8"	159.190° 159.054° 120.745°	2'-0 1/2" 2'-0 1/8" 5'-4"	159.034°	2'-0"	7'-3 1/8" 7'-4 1/8" 9'-5 1/2"	4'-10 3/4" 4'-10 7/8" 4'-10 7/8"	6'-11 1/2" 6'-11 3/4" 7'-0 1/8"	8'-9 1/ 8'-9 3/ 8'-10 1/
WN52C	1'-7 1/4"	2'-1 7/8"	121.678°	5'-3 7/8"	159.020°	1'-11 3/4"	9'-5 1/2"	4'-11"	7'-0 1/2"	8'-10 1/
WN53C	1'-7 3/8"	2'-2 1/8"	122.583°	5'-3 3/4"	159.007°	1'-11 5/8"	9'-5 1/2"	4'-11"	7'-0 7/8"	8'-10 7/
WN54C	1'-7 3/8"	2'-2 3/8"	123.457°	5'-3 5/8"	158.993°	1'-11 1/2"	9'-5 1/2"	4'-11 1/8"	7'-1 1/8"	8'-11 1/
WN55C WN56C WN57C	1'-7 1/2" 1'-7 1/2" 1'-7 5/8"	2'-2 5/8" 2'-2 5/8" 2'-2 7/8" 2'-3 1/8"	125.437 124.298° 125.111° 125.894°	5'-3 5/8" 5'-3 5/8" 5'-3 1/2" 5'-3 3/8"	158.979° 158.966° 158.952°	1'-11 1/4" 1'-11 1/8" 1'-10 7/8"	9'-5 1/2" 9'-5 1/2" 9'-5 1/2"	4'-11 1/4" 4'-11 1/4" 4'-11 3/8"	7'-1 1/2" 7'-1 1/2" 7'-1 7/8" 7'-2 1/8"	8'-11 5 8'-11 7 9'-0 1
WN57C	1'-7 5/8"	2'-3 1/8"	125.894	5'-3 3/8"	158.952°	1'-10 7/8"	9'-5 1/2"	4'-11 3/8"	7'-2 1/8"	9'-0 1/
WN58C	1'-7 5/8"	2'-3 3/8"	126.651°	5'-3 3/8"	158.937°	1'-10 3/4"	9'-5 1/2"	4'-11 3/8"	7'-2 1/2"	9'-0 5/
WN59C	1'-7 3/4"	2'-3 5/8"	127.382°	5'-3 1/4"	158.922°	1'-10 1/2"	9'-5 1/2"	4'-11 1/2"	7'-2 3/4"	9'-
WN60C	1'-7 3/4"	2'-4"	128.084°	5'-3 1/4"	158.908°	1'-10 3/8"	9'-5 1/2"	4'-11 1/2"	7'-3 1/8"	9'-1 1/
WN61C	1'-7 7/8"	2'-4 1/4"	128.765°	5'-3 1/8"	158.894°	1'-10 1/8"	9'-5 1/2"	4'-11 5/8"	7'-3 1/2"	9'-1 5/
WN62C	1'-7 7/8"	2'-4 1/2"	129.418°	5'-3 1/8"	158.878°	1'-10"	9'-5 5/8"	4'-11 5/8"	7'-3 3/4"	9'-
WN63C	1'-7 7/8"	2'-4 3/4"	130.050°	5'-3"	158.863°	1'-9 7/8"	9'-5 5/8"	4'-11 3/4"	7'-4 1/8"	9'-2 1/
WN64C	1'-8"	2'-5"	130.658°	5'-3"	158.848°	1'-9 5/8"	9'-5 5/8"	4'-11 3/4"	7'-4 3/8"	9'-2 5/
WN65C WN66C WN67C	1'-8" 1'-8 1/8" 1'-8 1/8"	2'-5 1/4" 2'-5 1/2" 2'-5 3/4"	131.247° 131.812° 132.356°	5'-3" 5'-3" 5'-2 7/8"	158.832° 158.817° 158.801°	1'-9 1/2" 1'-9 3/8" 1'-9 1/8"	9'-5 3/4" 9'-5 3/4" 9'-5 7/8"	4'-11 7/8" 4'-11 7/8" 5'-0"	7'-4 3/4" 7'-5" 7'-5 3/8"	9'-3 3/ 9'-3 5/
WN68C	1'-8 1/4"	2'-6"	132.884°	5'-2 7/8"	158.785°	1'-9"	9'-5 7/8"	5'-0"	7'-5 5/8"	9'-
WN69C	1'-8 1/4"	2'-6 1/4"	133.390°	5'-2 7/8"	158.769°	1'-8 3/4"	9'-6"	5'-0 1/8"	7'-6"	9'-4 1/
WN70C	1'-8 3/8"	2'-6 1/2"	133.878°	5'-2 7/8"	158.752°	1'-8 5/8"	9'-6"	5'-0 1/8"	7'-6 1/4"	9'-4 5/
WN71C	1'-8 3/8"	2'-6 3/4"	134.350°	5'-2 7/8"	158.736°	1'-8 1/2"	9'-6 1/8"	5'-0 1/4"	7'-6 5/8"	9'-
WN72C	1'-8 1/2"	2'-7"	134.803°	5'-2 7/8"	158.719°	1'-8 1/4"	9'-6 1/8"	5'-0 3/8"	7'-6 7/8"	9'-5 1/
WN73C	1'-8 1/2"	2'-7 1/4"	135.241°	5'-2 7/8"	158.702°	<u>1'-8 1/8"</u>	9'-6 1/4"	5'-0 3/8"	7'-7 1/4"	9'-5 5
WN74C	1'-8 1/2"	2'-7 1/2"	135.661°	5'-2 7/8"	158.684°	<u>1'-8"</u>	9'-6 3/8"	5'-0 1/2"	7'-7 1/2"	9'-5 7
WN75C	1'-8 5/8"	2'-7 3/4"	136.067°	5'-2 7/8"	158.667°	1'-7 3/4"	9'-6 3/8"	5'-0 1/2"	7'-7 7/8"	9'-6 1
WN76C	1'-8 5/8"	2'-7 7/8"	136.457°	5'-3"	158.649°	1'-7 5/8"	9'-6 1/2"	5'-0 5/8"	7'-8 1/8"	9'-6 5/
WN77C	1'-8 3/4"	2'-8 1/8"	136.834°	5'-3"	158.631°	1'-7 1/2"	9'-6 5/8"	5'-0 5/8"	7'-8 3/8"	9'-6 7/
WN78C	1'-8 3/4"	2'-8 3/8"	137.195°	5'-3"	158.613°	1'-7 1/4"	9'-6 5/8"	5'-0 3/4"	7'-8 3/4"	9'-7 1/
WN79C	1'-8 7/8"	2'-8 5/8"	137.544°	5'-3"	158.595°	1'-7 1/8"	9'-6 3/4"	5'-0 3/4"	7'-9"	9'-7 1/
WN80C	1'-8 7/8"	2'-8 3/4"	137.879°	5'-3 1/8"	158.576°	1'-7"	9'-6 7/8"	5'-0 7/8"	7'-9 3/8"	9'-7 7/
WN81C	1'-9"	2'-9"	138.200°	5'-3 1/8"	158.557°	1'-6 7/8"	9'-7"	5'-0 7/8"	7'-9 5/8"	9'-8 1/
WN82C	1'-9"	2'-9 1/4"	138.511°	5'-3 1/8"	158.538°	1'-6 5/8"	9'-7"	5'-1"	7'-9 7/8"	9'-8 1/
WN83C	1'-9 1/8"	2'-9 3/8"	138.807°	5'-3 1/4"	158.518°	1'-6 1/2"	9'-7 1/8"	5'-1"	7'-10 1/8"	9'-8 3/
WN84C WN85C WN86C	1'-9 1/8" 1'-9 1/8" 1'-9 1/4"	2'-9 5/8" 2'-9 3/4" 2'-10"	139.094° 139.368° 139.632°	5'-3 1/4" 5'-3 3/8" 5'-3 1/2"	158.498° 158.479° 158.458°	1'-6 3/8" 1'-6 1/4" 1'-6"	9'-7 1/4" 9'-7 3/8" 9'-7 1/2"	5'-1 1/8" 5'-1 1/8" 5'-1 1/4"	7'-10 1/2" 7'-10 3/4" 7'-11"	9'-9 3/ 9'-9 5/
WN87C	1'-9 1/4"	2'-10 1/8"	139.885°	5'-3 1/2"	158.437°	1'-5 7/8"	9'-7 1/2"	5'-1 1/4"	7'-11 3/8"	9'-1
WN88C	1'-9 3/8"	2'-10 3/8"	140.126°	5'-3 5/8"	158.417°	1'-5 3/4"	9'-7 5/8"	5'-1 3/8"	7'-11 5/8"	9'-10 1/
WN89C	1'-9 3/8"	2'-10 1/2"	140.358°	5'-3 3/4"	158.396°	1'-5 5/8"	9'-7 3/4"	5'-1 1/2"	7'-11 7/8"	9'-10 5/
WN90C	1'-9 1/2"	2'-10 5/8"	140.581°	5'-3 3/4"	158.374°	1'-5 3/8"	9'-7 7/8"	5'-1 1/2"	8'-0 1/8"	9'-10 7/
WN91C	1'-9 1/2"	2'-10 3/4"	140.791°	5'-3 7/8"	158.353°	1'-5 1/4"	9'-8"	5'-1 5/8"	8'-0 3/8"	9'-11 1/
WN92C	1'-9 5/8"	2'-11"	140.995°	5'-4"	158.333°	1'-5 1/8"	9'-8 1/8"	5'-1 5/8"	8'-0 3/4"	9'-11 1
WN93C	1'-9 5/8"	2'-11 1/8"	141.188°	5'-4 1/8"	158.309°	1'-5"	9'-8 1/4"	5'-1 3/4"	8'-1"	9'-11 3
WN94C	1'-9 3/4"	2'-11 1/4"	141.372°	5'-4 1/4"	158.286°	1'-4 7/8"	9'-8 1/4"	5'-1 3/4"	8'-1 1/4"	10'-0 3/
WN95C	1'-9 3/4"	2'-11 3/8"	141.546°	5'-4 3/8"	158.264°	1'-4 5/8"	9'-8 3/8"	5'-1 7/8"	8'-1 1/2"	10'-0 3/
WN96C	1'-9 3/4"	2'-11 1/2"	141.713°	5'-4 1/2"	158.239°	1'-4 1/2"	9'-8 1/2"	5'-1 7/8"	8'-1 3/4"	10'-0 5/
WN97C	1'-9 7/8"	2'-11 5/8"	141.871°	5'-4 5/8"	158.217°	1'-4 3/8"	9'-8 5/8"	5'-2"	8'-2"	10'-0 7
WN98C	1'-9 7/8"	2'-11 3/4"	142.021°	5'-4 3/4"	158.194°	1'-4 1/4"	9'-8 3/4"	5'-2"	8'-2 3/8"	10'-1 1
WN99C	1'-10"	2'-11 7/8"	142.162°	5'-4 7/8"	158.170°	1'-4 1/8"	9'-8 7/8"	5'-2 1/8"	8'-2 5/8"	10'-1 1
WN100C	1'-10"	3'-0"	142.295°	5'-5"	158.145°	1'-4"	9'-9"	5'-2 1/8"	8'-2 7/8"	10'-1 3
WN101C	1'-10 1/8"	3'-0 1/8"	142.421°	5'-5 1/4"	158.120°	1'-3 3/4"	9'-9 1/8"	5'-2 1/4"	8'-3 1/8"	10'-
WN102C	1'-10 1/8"	3'-0 1/8"	142.538°	5'-5 3/8"	158.096°	1'-3 5/8"	9'-9 1/4"	5'-2 1/4"	8'-3 3/8"	10'-2 3
WN103C	1'-10 1/4"	3'-0 1/4"	142.647°	5'-5 1/2"	158.071°	1'-3 1/2"	9'-9 3/8"	5'-2 3/8"	8'-3 5/8"	10'-2 5/
WN104C	1'-10 1/4"	3'-0 3/8"	142.749°	5'-5 3/4"	158.045°	1'-3 3/8"	9'-9 3/8"	5'-2 3/8"	8'-3 7/8"	10'-2 7/
WN105C	1'-10 3/8"	3'-0 3/8"	142.844°	5'-5 7/8"	158.019°	1'-3 1/4"	9'-9 1/2"	5'-2 3/8"	8'-4 1/8"	10'-3 1/
WN106C	1'-10 3/8"	3'-0 1/2"	142.932°	5'-6"	157.992°	1'-3 1/8"	9'-9 5/8"	5'-2 1/2"	8'-4 3/8"	10'-3 3/
WN107C	1'-10 3/8"	3'-0 5/8"	143.011°	5'-6 1/4"	157.965°	1'-3"	9'-9 3/4"	5'-2 1/2"	8'-4 5/8"	10'-3 3/
WN108C	1'-10 1/2"	3'-0 5/8"	143.083°	5'-6 1/2"	157.939°	1'-2 7/8"	9'-9 7/8"	5'-2 5/8"	8'-4 7/8"	10'-
WN109C	1'-10 1/2"	3'-0 5/8"	143.150°	5'-6 5/8"	157.910°	1'-2 3/4"	9'-10"	5'-2 5/8"	8'-5 1/8"	10'-4 1
WN110C	1'-10 5/8"	3'-0 3/4"	143.207°	5'-6 7/8"	157.884°	1'-2 1/2"	9'-10 1/8"	5'-2 3/4"	8'-5 3/8"	10'-4 1/
WN111C	1'-10 5/8"	3'-0 3/4"	143.260°	5'-7"	157.854°	1'-2 3/8"	9'-10 1/4"	5'-2 3/4"	8'-5 5/8"	10'-4 3/
WN112C	1'-10 3/4"	3'-0 7/8"	143.303°	5'-7 1/4"	157.825°	1'-2 1/4"	9'-10 3/8"	5'-2 7/8"	8'-5 7/8"	10'-
WN113C	1'-10 3/4"	3'-0 7/8"	143.341°	5'-7 1/2"	157.798°	1'-2 1/8"	9'-10 1/2"	5'-2 7/8"	8'-6 1/8"	10'-5 1/
WN114C	1'-10 7/8"	3'-0 7/8"	143.372°	5'-7 3/4"	157.769°	1'-2"	9'-10 5/8"	5'-2 7/8"	8'-6 1/4"	10'-5 1/
WN115C	1'-10 7/8"	3'-0 7/8"	143.395°	5'-7 7/8"	157.738°	1'-1 7/8"	9'-10 3/4"	5'-3"	8'-6 1/2"	10'-5 7/
WN116C	1'-11"	3'-0 7/8"	143.412°	5'-8 1/8"	157.708°	1'-1 3/4"	9'-10 7/8"	5'-3"	8'-6 3/4"	10'-6 1
WN117C	1'-11"	3'-0 7/8"	143.421°	5'-8 3/8"	157.676°	1'-1 5/8"	9'-11"	5'-3 1/8"	8'-7"	10'-6 3
WN118C	1'-11"	3'-0 7/8"	143.425°	5'-8 5/8"	157.646°	1'-1 1/2"	9'-11"	5'-3 1/8"	8'-7 1/4"	
WN119C	1'-11 1/8"	3'-0 7/8"	143.420°	5'-8 7/8"	157.615°	1'-1 3/8"	9'-11 1/8"	5'-3 1/4"	8'-7 1/2"	
WN120C	1'-11 1/8"	3'-0 7/8"	143.410°	5'-9 1/8"	157.582°	1'-1 1/4"	9'-11 1/4"	5'-3 1/4"	8'-7 3/4"	
WN121C	1'-11 1/4"	3'-0 7/8"	143.393°	5'-9 3/8"	157.548°	1'-1 1/8"	9'-11 3/8"	5'-3 3/8"	8'-7 7/8"	
WN122C	1'-11 1/4"	3'-0 7/8"	143.369°	5'-9 5/8"	157.518°	1'-1"	9'-11 1/2"	5'-3 3/8"	8'-8 1/8"	
WN123C	1'-11 3/8"	3'-0 7/8"	143.338°	5'-9 7/8"	157.483°	1'-0 7/8"	9'-11 5/8"	5'-3 1/2"	8'-8 3/8"	
WN124C	1'-11 3/8"	3'-0 3/4"	143.299°	5'-10 1/4"	157.449°	1'-0 3/4"	9'-11 3/4"	5'-3 1/2"	8'-8 5/8"	
WN125C	1'-11 1/2"	3'-0 3/4"	143.255°	5'-10 1/2"	157.415°	1'-0 5/8"	9'-11 7/8"	5'-3 1/2"	8'-8 3/4"	
WN126C	1'-11 1/2"	3'-0 3/4"	143.203°	5'-10 3/4"	157.381°	1'-0 1/2"	10'-0"	5'-3 5/8"	8'-9"	
WN127C	1'-11 5/8"	3'-0 5/8"	143.143°	5'-11 1/8"	157.345°	1'-0 3/8"	10'-0 1/8"	5'-3 5/8"	8'-9 1/4"	
WN128C	1'-11 5/8"	3'-0 5/8"	143.078°	5'-11 3/8"	157.310°	1'-0 1/4"	10'-0 1/4"	5'-3 3/4"	8'-9 1/2"	
WN129C	1'-11 5/8"	3'-0 1/2"	143.004°	5'-11 5/8"	157.272°	1'-0 1/8"	10'-0 3/8"	5'-3 3/4"	8'-9 5/8"	
WN130C	1'-11 3/4"	3'-0 1/2"	142.924°	6'-0"	157.237°	1'-0"	10'-0 1/2"	5'-3 7/8"	8'-9 7/8"	
WN131C	1'-11 3/4"	3'-0 3/8"	142.835°	6'-0 1/4"	157.198°	0'-11 7/8"	10'-0 5/8"	5'-3 7/8"	8'-10 1/8"	
WN132C	1'-11 7/8"	3'-0 3/8"	142.741°	6'-0 5/8"	157.159°	0'-11 3/4"	10'-0 3/4"	5'-4"	8'-10 1/4"	
WN133C	1'-11 7/8"	3'-0 1/4"	142.639°	6'-0 7/8"	157.120°	0'-11 5/8"	10'-0 7/8"	5'-4"	8'-10 1/2"	
WN134C	2'-0"	3'-0 1/8"	142.527°	6'-1 1/4"	157.082°	0'-11 1/2"	10'-1"	5'-4"	8'-10 3/4"	
WN135C	2'-0"	3'-0 1/8"	142.410°	6'-1 5/8"	157.043°	0'-11 1/2"	10'-1 1/8"	5'-4 1/8"	8'-10 7/8"	
WN136C	2'-0 1/8"	3'-0"	142.284°	6'-1 7/8"	157.003°	0'-11 3/8"	10'-1 1/4"	5'-4 1/8"	8'-11 1/8"	
WN137C	2'-0 1/8"	2'-11 7/8"	142.150°	6'-2 1/4"	156.961°	0'-11 1/4"	10'-1 3/8"	5'-4 1/4"	8'-11 1/4"	
WN138C	2'-0 1/4"	2'-11 3/4"	142.008°	6'-2 5/8"	156.921°	0'-11 1/8"	10'-1 1/2"	5'-4 1/4"	8'-11 1/2"	
WN139C	2'-0 1/4"	2'-11 5/8"	141.858°	6'-3"	156.879°	0'-11"	10'-1 5/8"	5'-4 3/8"	8'-11 3/4"	
WN140C	2'-0 1/4"	2'-11 1/2"	141.700°	6'-3 3/8"	156.837°	0'-10 7/8"	10'-1 3/4"	5'-4 3/8"	8'-11 7/8"	
WN141C	2'-0 3/8"	2'-11 3/8"	141.532°	6'-3 3/4"	156.793°	0'-10 3/4"	10'-1 7/8"	5'-4 1/2"	9'-0 1/8"	
WN142C	2'-0 3/8"	2'-11 1/4"	141.358°	6'-4 1/8"	156.750°	0'-10 5/8"	10'-2"	5'-4 1/2"	9'-0 1/4"	
WN143C	2'-0 1/2"	2'-11 1/8"	141.172°	6'-4 1/2"	156.704°	0'-10 1/2"	10'-2 1/8"	5'-4 5/8"	9'-0 1/2"	
WN144C	2'-0 1/2"	2'-11"	140.979°	6'-4 7/8"	156.661°	0'-10 1/2"	10'-2 1/4"	5'-4 5/8"	9'-0 5/8"	
WN145C	2'-0 5/8"	2'-10 3/4"	140.776°	6'-5 1/4"	156.615°	0'-10 3/8"	10'-2 3/8"	5'-4 5/8"	9'-0 7/8"	
WN146C	2'-0 5/8"	2'-10 5/8"	140.563°	6'-5 5/8"	156.567°	0'-10 1/4"	10'-2 1/2"	5'-4 3/4"	9'-1"	
WN147C WN148C WN149C	2'-0 3/4" 2'-0 3/4" 2'-0 7/8"	2'-10 1/2" 2'-10 1/4" 2'-10 1/8"	140.341° 140.108° 139.867°	6'-6" 6'-6 3/8" 6'-6 3/4"	156.520° 156.472° 156.425°	0'-10 1/8" 0'-10" 0'-9 7/8"	10'-2 3/4" 10'-2 7/8"	5'-4 3/4" 5'-4 7/8" 5'-4 7/8"	9'-1 3/8" 9'-1 1/2"	
WN150C	2'-0 7/8"	2'-10"	139.612°	6'-7 1/4"	156.376°	0'-9 7/8"	10'-3"	5'-5"	9'-1 3/4"	
WN151C	2'-1"	2'-9 3/4"	139.350°	6'-7 5/8"	156.326°	0'-9 3/4"	10'-3 1/8"	5'-5"	9'-1 7/8"	
WN152C	2'-1"	2'-9 5/8"	139.075°	6'-8"	156.275°	0'-9 5/8"	10'-3 1/4"	5'-5 1/8"	9'-2 1/8"	
WN153C	2'-1"	2'-9 3/8"	138.788°	6'-8 1/2"	156.223°	0'-9 1/2"	10'-3 3/8"	5'-5 1/8"	9'-2 1/4"	
WN154C	2'-1 1/8"	2'-9 1/4"	138.490°	6'-8 7/8"	156.172°	0'-9 3/8"	10'-3 1/2"	5'-5 1/8"	9'-2 3/8"	
WN155C	2'-1 1/8"	2'-9"	138.180°	6'-9 3/8"	156.121°	0'-9 3/8"	10'-3 5/8"	5'-5 1/4"	9'-2 5/8"	
WN156C	2'-1 1/4"	2'-8 3/4"	137.857°	6'-9 3/4"	156.064°	0'-9 1/4"	10'-3 7/8"	5'-5 1/4"	9'-2 3/4"	
WN157C	2'-1 1/4"	2'-8 5/8"	137.522°	6'-10 1/4"	156.014°	0'-9 1/8"	10'-4"	5'-5 3/8"	9'-2 7/8"	
WN158C	2'-1 3/8"	2'-8 3/8"	137.172°	6'-10 3/4"	155.954°	0'-9"	10'-4 1/8"	5'-5 3/8"	9'-3 1/8"	
WN159C	2'-1 3/8"	2'-8 1/8"	136.812°	6'-11 1/8"	155.902°	0'-8 7/8"	10'-4 1/4"	5'-5 3/8"	9'-3 1/4"	
WN160C	2'-1 1/2"	2'-7 7/8"	136.434°	6'-11 5/8"	155.846°	0'-8 7/8"	10'-4 3/8"	5'-5 3/8"	9'-3 3/8"	
WN161C	2'-1 1/2"	2'-7 3/4"	136.044°	7'-0 1/8"	155.788°	0'-8 3/4"	10'-4 1/2"	5'-5 1/2"	9'-3 5/8"	
WN162C	2'-1 5/8"	2'-7 1/2"	135.638°	7'-0 5/8"	155.730°	0'-8 5/8"	10'-4 3/4"	5'-5 1/2"	9'-3 3/4"	
WN163C	2'-1 5/8"	2'-7 1/4"	135.216°	7'-1"	155.672°	0'-8 5/8"	10'-4 7/8"	5'-5 1/2"	9'-3 7/8"	
WN164C	2'-1 5/8"	2'-7"	134.780°	7'-1 1/2"	155.608°	0'-8 1/2"	10'-5"	5'-5 1/2"	9'-4"	
WN165C	2'-1 3/4"	2'-6 3/4"	134.324°	7'-2"	155.548°	0'-8 3/8"	10'-5 1/8"	5'-5 1/2"	9'-4 1/4"	
WN166C	2'-1 3/4"	2'-6 1/2"	133.855°	7'-2 1/2"	155.488°	0'-8 1/4"	10'-5 3/8"	5'-5 1/2"	9'-4 3/8"	
WN167C	2'-1 7/8"	2'-6 1/4"	133.365°	7'-3"	155.424°	0'-8 1/4"	10'-5 1/2"	5'-5 1/2"	9'-4 1/2"	
WN168C	2'-1 7/8"	2'-6"	132.859°	7'-3 1/2"	155.362°	0'-8 1/8"	10'-5 5/8"	5'-5 1/2"	9'-4 5/8"	

		ST	BR	IDG	
<u>ID</u>	<u>P01V</u>	<u>L01</u>	<u>A01</u>	<u>L02</u>	<u>A02</u>
WN170C	2'-2"	2'-5 1/2"	131.786°	7'-4 5/8"	155.2
WN171C	2'-2 1/8"	2'-5 1/4"	131.222°	7'-5 1/8"	155.1
WN172C	2'-2 1/8"	2'-5"	130.635°	7'-5 5/8"	155.1
WN173C	2'-2 1/4"	2'-4 3/4"	130.027°	7'-6 1/8"	155.0
WN174C	2'-2 1/4"	2'-4 1/2"	129.394°	7'-6 3/4"	154.9
WN175C	2'-2 1/4"	2'-4 1/4"	128.740°	7'-7 1/4"	154.8
WN176C	2'-2 3/8"	2'-4"	128.063°	7'-7 3/4"	154.8
WN177C	2'-2 3/8"	2'-3 5/8"	127.359°	7'-8 3/8"	154.7
WN178C	2'-2 1/2"	2'-3 3/8"	126.631°	7'-8 7/8"	154.6
WN179C	2'-2 1/2"	2'-3 1/8"	125.873°	7'-9 1/2"	154.6
WN180C	2'-2 5/8"	2'-2 7/8"	125.092°	7'-10"	154.5
WN181C	2'-2 5/8"	2'-2 5/8"	124.372°	7'-10 5/8"	154.4
WN182C	2'-2 5/8"	2'-2 3/8"	123.668°	7'-11 1/4"	154.3
WN183C	2'-2 1/2"	2'-2 1/4"	122.939°	7'-11 3/4"	154.3
WN184C	2'-2 1/2"	2'-2"	122.184°	8'-0 3/8"	154.2
WN185C	2'-2 1/2"	2'-1 3/4"	121.403°	8'-1"	154.1
WN186C	2'-2 1/2"	2'-1 5/8"	120.973°	8'-1 3/8"	154.0
WN187C	2'-2 1/2"	2'-1 7/8"	121.912°	8'-1"	153.9
WN188C	2'-2 1/2"	2'-2 1/8"	122.822°	8'-0 3/4"	153.9
WN189C WN190C	2'-2 1/2" 2'-2 1/2" 2'-2 3/8"	2'-2 1/8 2'-2 1/2" 2'-2 3/4"	122.822 123.703° 124.555°	8'-0 3/4 8'-0 3/8" 8'-0 1/8"	153.8
WN191C	2'-2 3/8"	2'-3"	125.382°	7'-11 3/4"	153.6
WN192C	2'-2 3/8"	2'-3 1/4"	126.180°	7'-11 1/2"	153.5
WN193C	2'-2 3/8"	2'-3 1/2"	126.952°	7'-11 1/4"	153.4
WN194C	2'-2 3/8"	2'-3 3/4"	127.699°	7'-10 7/8"	153.3
WN195C	2'-2 3/8"	2'-4 1/8"	128.421°	7'-10 5/8"	153.2
WN196C WN197C	2'-2 3/8" 2'-2 3/8" 2'-2 1/4"	2'-4 3/8" 2'-4 5/8"	129.122° 129.799°	7'-10 3/8" 7'-10 1/8"	153.2
WN198C	2'-2 1/4"	2'-4 7/8"	130.455°	7'-9 3/4"	153.0
WN199C	2'-2 1/4"	2'-5 1/4"	131.087°	7'-9 1/2"	152.9
WN200C	2'-2 1/4"	2'-5 1/2"	131.701°	7'-9 1/4"	152.8
WN201C	2'-2 1/4"	2'-5 3/4"	132.295°	7'-9"	
WN202C	2'-2 1/4"	2'-6"	132.867°	7'-8 3/4"	152.6
WN203C	2'-2 1/4"	2'-6 1/4"	133.421°	7'-8 1/2"	152.5
WN204C	2'-2 1/8"	2'-6 5/8"	133.959°	7'-8 1/4"	152.4
WN205C	2'-2 1/8"	2'-6 7/8"	134.479°	7'-8"	152.3
WN206C	2'-2 1/8"	2'-7 1/8"	134.982°	7'-7 3/4"	152.2
WN207C	2'-2 1/8"	2'-7 3/8"	135.469°	7'-7 1/2"	152.1
WN208C	2'-2 1/8"	2'-7 5/8"	135.940°	7'-7 1/4"	152.0
WN209C	2'-2 1/8"	2'-7 7/8"	136.396°	7'-7"	151.9
WN210C	2'-2 1/8"	2'-8 1/8"	136.837°	7'-6 3/4"	151.8
WN211C	2'-2"	2'-8 3/8"	137.262°	7'-6 1/2"	151.7
WN212C	2'-2"	2'-8 5/8"	137.676°	7'-6 3/8"	151.6
WN213C	2'-2"	2'-8 7/8"	138.075°	7'-6 1/8"	
WN214C	2'-2"	2'-9 1/8"	138.461°	7'-5 7/8"	151.4
WN215C	2'-2"	2'-9 3/8"	138.835°	7'-5 5/8"	151.3
WN216C	2'-2"	2'-9 5/8"	139.198°	7'-5 1/2"	151.2
WN217C	2'-2"	2'-9 7/8"	139.548°	7'-5 1/4"	151.1
WN218C	2'-1 7/8"	2'-10 1/8"	139.888°	7'-5"	151.0
WN219C	2'-1 7/8"	2'-10 3/8"	140.214°	7'-4 7/8"	150.9
WN220C	2'-1 7/8"	2'-10 5/8"	140.531°	7'-4 5/8"	
WN221C	2'-1 7/8"	2'-10 7/8"	140.838°	7'-4 1/2"	150.6
WN222C	2'-1 7/8"	2'-11"	141.135°	7'-4 1/4"	150.5
WN223C	2'-1 7/8"	2'-11 1/4"	141.422°	7'-4 1/8"	150.4
WN224C	2'-1 7/8"	2'-11 1/2"	141.699°	7'-4"	150.3
WN225C	2'-1 3/4"	2'-11 3/4"	141.967°	7'-3 3/4"	150.2
WN226C WN227C	2-1 3/4" 2'-1 3/4" 2'-1 3/4"	2-11 3/4 2'-11 7/8" 3'-0 1/8"	142.227° 142.477°	7'-3 5/8" 7'-3 5/8" 7'-3 3/8"	150.2
WN228C	2'-1 3/4"	3'-0 3/8"	142.718°	7'-3 1/4"	149.9
WN229C	2'-1 3/4"	3'-0 1/2"	142.952°	7'-3 1/8"	149.8
WN230C WN231C	2'-1 3/4" 2'-1 3/4" 2' 1 5/8"	3'-0 3/4" 3'-0 7/8" 3'-1 1/8"	143.178° 143.396°	7'-3" 7'-2 3/4" 7' 2 5/9"	149.7 149.5
WN232C	2'-1 5/8"	3'-1 1/8	143.606°	7'-2 5/8"	149.4
WN233C	2'-1 5/8"	3'-1 1/4"	143.808°	7'-2 1/2"	149.3
WN234C	2'-1 5/8"	3'-1 3/8"	144.004°	7'-2 3/8"	149.2
WN235C	2'-1 5/8"	3'-1 5/8"	144.192°	7'-2 1/4"	149.1
WN236C	2'-1 5/8"	3'-1 3/4"	144.372°	7'-2 1/8"	149.0
WN237C	2'-1 5/8"	3'-1 7/8"	144.547°	7'-2"	148.9
WN238C	2'-1 5/8"	3'-2 1/8"	144.715°	7'-1 7/8"	148.8
WN239C	2'-1 1/2"	3'-2 1/4"	144.876°	7'-1 3/4"	148.7
WN240C	2'-1 1/2"	3'-2 3/8"	145.031°	7'-1 5/8"	148.6
WN241C	2'-1 1/2"	3'-2 1/2"	145.179°	7'-1 1/2"	148.5
WN242C WN243C	2'-1 1/2" 2'-1 1/2" 2'-1 1/2"	3'-2 5/8" 3'-2 3/4"	145.323° 145.459°	7'-1 3/8" 7'-1 1/4"	148.4
WN244C	2'-1 1/2"	3'-2 7/8"	145.589°	7'-1 1/4"	148.2
WN245C	2'-1 1/2"	3'-3"	145.713°	7'-1 1/8"	148.1
WN246C	2'-1 3/8"	3'-3 1/8"	145.833°	7'-1"	148.0
WN247C	2'-1 3/8"	3'-3 1/4"	145.947°	7'-0 7/8"	147.9
WN248C	2'-1 3/8"	3'-3 3/8"	146.054°	7'-0 7/8"	147.8
WN249C WN250C	2'-1 3/8" 2'-1 3/8" 2'-1 3/8"	3'-3 5/8" 3'-3 5/8"	146.157° 146.255°	7'-0 7/8 7'-0 3/4" 7'-0 3/4"	147.6
WN251C	2'-1 3/8"	3'-3 3/4"	146.347°	7'-0 5/8"	147.5
WN252C	2'-1 3/8"	3'-3 3/4"	146.435°	7'-0 1/2"	147.4
WN253C	2'-1 1/4"	3'-3 7/8"	146.516°	7'-0 1/2"	147.3
WN254C	2'-1 1/4"	3'-4"	146.592°	7'-0 3/8"	147.3
WN255C	2'-1 1/4"	3'-4"	146.663°	7'-0 3/8"	147.2
WN256C	2'-1 1/4"	3'-4 1/8"	146.731°	7'-0 1/4"	147.1
WN257C	2'-1 1/4"	3'-4 1/8"	146.793°	7'-0 1/4"	
WN258C	2'-1 1/4"	3'-4 1/4"	146.850°	7'-0 1/4"	146.9
WN259C	2'-1 1/4"	3'-4 1/4"	146.903°	7'-0 1/8"	146.9
WN260C	2'-1 1/8"	3'-4 3/8"	146.950°	7'-0 1/8"	146.8
WN261C	2'-1 1/8"	3'-4 3/8"	146.992°	7'-0 1/8"	146.7
WN262C	2'-1 1/8"	3'-4 3/8"	147.031°	7'-0 1/8"	146.7
WN263C	2'-1 1/8"	3'-4 1/2"	147.064°	7'-0"	146.6
WN264C	2'-1 1/8"	3'-4 1/2"	147.093°	7'-0"	
WN265C	2'-1 1/8"	3'-4 1/2"	147.117°	7'-0"	146.5
WN266C	2'-1 1/8"	3'-4 1/2"	147.137°	7'-0"	146.4
WN267C	2'-1"	3'-4 1/2"	147.152°	7'-0"	146.4
WN268C	2'-1"	3'-4 5/8"	147.163°	7'-0"	146.3
WN269C	2'-1"	3'-4 5/8"	147.169°	7'-0"	146.3
WN270C	2'-1"	3'-4 5/8"	147.169°	7'-0"	146.2
WN271C	2'-1"	3'-4 5/8"	147.166°	7'-0"	146.2
WN272C	2'-1"	3'-4 5/8"	147.159°	7'-0"	146.2
WN273C	2'-1"	3'-4 1/2"	147.147°	7'-0"	146.1
WN274C	2'-0 7/8"	3'-4 1/2"	147.129°	7'-0"	146.1
WN275C	2'-0 7/8"	3'-4 1/2"	147.108°	7'-0"	146.1
WN276C	2'-0 7/8"	3'-4 1/2"	147.082°	7'-0"	146.1
WN277C	2'-0 7/8"	3'-4 1/2"	147.052°	7'-0 1/8"	146.0
WN278C	2'-0 7/8"	3'-4 3/8"	147.016°	7'-0 1/8"	146.0
WN279C	2'-0 7/8"	3'-4 3/8"	146.976°	7'-0 1/8"	146.0
WN280C	2'-0 7/8"	3'-4 3/8"	146.931°	7'-0 1/8"	146.0
WN281C WN282C WN283C	2'-0 3/4" 2'-0 3/4"	3'-4 1/4" 3'-4 1/4" 3' 4 1/8"	146.882° 146.828° 146.769°	7'-0 1/4" 7'-0 1/4" 7'-0 3/8"	146.0 146.0 146.0
WN283C	2'-0 3/4"	3'-4 1/8"	146.769°	7'-0 3/8"	146.0
WN284C	2'-0 3/4"	3'-4 1/8"	146.705°	7'-0 3/8"	146.0
WN285C	2'-0 3/4"	3'-4"	146.636°	7'-0 3/8"	146.0
WN286C	2'-0 3/4"	3'-3 7/8"	146.562°	7'-0 1/2"	146.0
WN287C	2'-0 3/4"	3'-3 7/8"	146.483°	7'-0 1/2"	146.0
WN288C	2'-0 5/8"	3'-3 3/4"	146.399°	7'-0 5/8"	146.0
WN289C	2'-0 5/8"	3'-3 5/8"	146.311°	7'-0 3/4"	146.0
WN290C	2'-0 5/8"	3'-3 5/8"	146.216°	7'-0 3/4"	146.1
WN290C	2'-0 5/8"	3'-3 5/8"	146.216°	7'-0 3/4"	146.1
WN291C	2'-0 5/8"	3'-3 1/2"	146.117°	7'-0 7/8"	146.1
WN292C	2'-0 5/8"	3'-3 3/8"	146.012°	7'-1"	146.1
WN293C	2'-0 5/8"	3'-3 1/4"	145.902°	7'-1"	146.2
WN294C	2'-0 5/8"	3'-3 1/8"	145.786°	7'-1 1/8"	146.2
WN295C WN296C	2'-0 1/2" 2'-0 1/2" 2' 0 1/2"	3'-3" 3'-2 7/8" 3' 2 3/4"	145.664° 145.537° 145.404°	7'-1 1/4" 7'-1 3/8" 7' 1 3/8"	146.2 146.3
WN297C	2'-0 1/2"	3'-2 3/4"	145.404°	7'-1 3/8"	146.3
WN298C	2'-0 1/2"	3'-2 5/8"	145.265°	7'-1 1/2"	146.3
WN299C	2'-0 1/2"	3'-2 1/2"	145.120°	7'-1 5/8"	146.4
WN300C	2'-0 1/2"	3'-2 3/8"	144.969°	7'-1 3/4"	146.4
WN301C	2'-0 1/2"	3'-2 1/8"	144.812°	7'-1 7/8"	146.5
WN302C WN303C	2'-0 3/8" 2'-0 3/8" 2' 0 3/8"	3'-2" 3'-1 7/8" 3' 1 3/4"	144.649° 144.477° 144.299°	7'-2" 7'-2 1/8" 7' 2 1/4"	146.5 146.6
WN304C	2'-0 3/8"	3'-1 3/4"	144.299°	7'-2 1/4"	146.6
WN305C	2'-0 3/8"	3'-1 1/2"	144.116°	7'-2 3/8"	146.7
WN306C	2'-0 3/8"	3'-1 3/8"	143.925°	7'-2 1/2"	146.8
WN307C	2'-0 3/8"	3'-1 1/8"	143.726°	7'-2 5/8"	146.8
WN308C	2'-0 3/8"	3'-1"	143.522°	7'-2 7/8"	146.9
WN309C WN310C	2'-0 1/4" 2'-0 1/4" 2' 0 1/4"	3'-0 7/8" 3'-0 5/8" 3' 0 3/8"	143.309° 143.088° 142.859°	7'-3" 7'-3 1/8" 7' 3 1/4"	146.9 147.0
WN311C	2'-0 1/4"	3'-0 3/8"	142.859°	7'-3 1/4"	147.1
WN312C	2'-0 1/4"	3'-0 1/4"	142.621°	7'-3 1/2"	147.2
WN313C	2'-0 1/4"	3'-0"	142.375°	7'-3 5/8"	147.2
WN314C WN315C	2'-0 1/4" 2'-0 1/4"	2'-11 7/8" 2'-11 5/8"	142.122° 141.859°	7'-3 3/4" 7'-4"	147.2 147.3 147.4
WN316C	2'-0 1/8"	2'-11 3/8"	141.587°	7'-4 1/8"	147.4
WN317C	2'-0 1/8"	2'-11 1/4"	141.306°	7'-4 3/8"	147.5
WN318C	2'-0 1/8"	2'-11"	141.015°	7'-4 1/2"	147.6
WN319C	2'-0 1/8"	2'-10 3/4"	140.715°	7'-4 3/4"	147.7
WN320C	2'-0 1/8"	2'-10 1/2"	140.402°	7'-4 7/8"	147.8
WN320C	2'-0 1/8"	2'-10 1/2"	140.402°	7'-4 7/8"	147.8
WN321C	2'-0 1/8"	2'-10 1/4"	140.081°	7'-5 1/8"	147.8
WN322C	2'-0 1/8"	2'-10"	139.748°	7'-5 1/4"	147.9
WN323C WN324C	2'-0" 2'-0" 2'-0"	2'-9 3/4" 2'-9 5/8"	139.405° 139.051°	7'-5 1/2" 7'-5 3/4"	147.8 148.0 148.1
WN325C	2'-0"	2'-9 3/8"	138.683°	7'-5 7/8"	148.2
WN326C	2'-0"	2'-9 1/8"	138.304°	7'-6 1/8"	148.3
WN327C	2'-0"	2'-8 7/8"	137.913°	7'-6 3/8"	148.3
WN328C	2'-0"	2'-8 5/8"	137.507°	7'-6 5/8"	148.4
WN329C	2'-0"	2'-8 1/4"	137.088°	7'-6 3/4"	148.5
WN329C	2'-0"	2'-8 1/4"	137.088	7'-6 3/4"	148.5
WN330C	1'-11 7/8"	2'-8"	136.655°	7'-7"	148.6
WN331C	1'-11 7/8"	2'-7 3/4"	136.208°	7'-7 1/4"	148.7
1110010			135.746°	7'-7 1/2"	148.8
WN332C WN333C	1'-11 7/8" 1'-11 7/8"	2'-7 1/2" 2'-7 1/4"	135.269°	7'-7 3/4"	148.9
WN332C					

E -	NO	RT	HR	UN	
A02	<u>L03</u>	<u>LTOT</u>	<u>ANV</u>	<u>H03V</u>	<u>H04V</u>
155.234°	0'-8"	10'-6"	5'-5 5/8"	9'-5"	
155.169°	0'-7 7/8"	10'-6 1/4"	5'-5 5/8"	9'-5 1/8"	
155.100°	0'-7 3/4"	10'-6 3/8"	5'-5 5/8"	9'-5 1/4"	
155.032°	0'-7 3/4"	10'-6 5/8"	5'-5 5/8"	9'-5 3/8"	
154.964°	0'-7 5/8"	10'-6 3/4"	5'-5 5/8"	9'-5 1/2"	
154.893°	0'-7 1/2"	10'-7"	5'-5 5/8"	9'-5 5/8"	
154.822°	0'-7 1/2"	10'-7 1/8"	5'-5 3/4"	9'-5 3/4"	
154.752°	0'-7 3/8"	10'-7 3/8"	5'-5 3/4"	9'-5 7/8"	
154.678°	0'-7 1/4"	10'-7 5/8"	5'-5 3/4"	9'-6"	
154.605°	0'-7 1/4"	10'-7 7/8"	5'-5 3/4"	9'-6 1/8"	
154.532°	0'-7 1/8"	10'-8"	5'-5 3/4"	9'-6 1/4"	
154.456°	0'-7 1/8"	10'-8 3/8"	5'-5 3/4"	9'-6 3/8"	
154.380°	0'-7"	10'-8 5/8"	5'-5 3/4"	9'-6 1/2"	
154.304°	0'-6 7/8"	10'-8 7/8"	5'-5 3/4"	9'-6 5/8"	
154.225°	0'-6 7/8"	10'-9 1/4"	5'-5 7/8"	9'-6 3/4"	
154.147°	0'-6 3/4"	10'-9 1/2"	5'-5 7/8"	9'-6 7/8"	
154.064°	0'-6 3/4"	10'-9 3/4"	5'-5 7/8"	9'-7"	
153.987°	0'-6 5/8"	10'-9 5/8"	5'-5 7/8"	9'-7 1/8"	
153.906°	0'-6 1/2"	10'-9 1/2"	5'-5 7/8"	9'-7 1/4"	
153.820°	0'-6 1/2"	10'-9 3/8"	5'-5 7/8"	9'-7 3/8"	
153.736°	0'-6 3/8"	10'-9 1/4"	5'-5 7/8"	9'-7 1/2"	
153.652°	0'-6 3/8"	10'-9 1/8"	5'-6"	9'-7 5/8"	
153.564°	0'-6 1/4"	10'-9"	5'-6"	9'-7 3/4"	
153.476°	0'-6 1/4"	10'-9"	5'-6"	9'-7 3/4"	
153.390°	0'-6 1/8"	10'-8 7/8"	5'-6"	9'-7 7/8"	
153.299°	0'-6 1/8"	10'-8 3/4"	5'-6"	9'-8"	
153.209°	0'-6"	10'-8 3/4"	5'-6"	9'-8 1/8"	
153.120°	0'-6"	10'-8 5/8"	5'-6"	9'-8 1/4"	
153.027°	0'-5 7/8"	10'-8 5/8"	5'-6"	9'-8 3/8"	
152.934°	0'-5 7/8"	10'-8 1/2"	5'-6 1/8"	9'-8 3/8"	
152.837°	0'-5 3/4"	10'-8 1/2"	5'-6 1/8"	9'-8 1/2"	
152.747° 152.652° 152.552°	0'-5 3/4" 0'-5 3/4" 0'-5 5/8"	10'-8 1/2" 10'-8 1/2" 10'-8 3/8" 10'-8 3/8"	5'-6 1/8" 5'-6 1/8" 5'-6 1/8"	9'-8 5/8" 9'-8 5/8" 9'-8 3/4" 9'-8 3/4"	
152.352 152.460° 152.357° 152.261°	0'-5 3/8 0'-5 1/2" 0'-5 1/2" 0'-5 3/8"	10'-8 3/8" 10'-8 3/8" 10'-8 1/4" 10'-8 1/4"	5'-6 1/8" 5'-6 1/8" 5'-6 1/4"	9'-8 7/8" 9'-9" 9'-9"	
152.160° 152.061° 151.957°	0'-5 3/8" 0'-5 3/8" 0'-5 3/8"	10'-8 1/4" 10'-8 1/4" 10'-8 1/4" 10'-8 1/8"	5'-6 1/4" 5'-6 1/4" 5'-6 1/4"	9'-9 1/8" 9'-9 1/4" 9'-9 1/4"	
151.854°	0'-5 1/4"	10'-8 1/8"	5'-6 1/4"	9'-9 3/8"	
151.753°	0'-5 1/8"	10'-8 1/8"	5'-6 1/4"	9'-9 1/2"	
151.647°	0'-5 1/8"	10'-8 1/8"	5'-6 1/4"	9'-9 1/2"	
151.542°	0'-5 1/8"	10'-8 1/8"	5'-6 1/4"	9'-9 5/8"	
151.440°	0'-5"	10'-8 1/8"	5'-6 3/8"	9'-9 5/8"	
151.332°	0'-5"	10'-8 1/8"	5'-6 3/8"	9'-9 3/4"	
151.226° 151.116° 151.013°	0'-4 7/8" 0'-4 7/8" 0'-4 7/8"	10'-8" 10'-8" 10'-8"	5'-6 3/8" 5'-6 3/8" 5'-6 3/8"	9'-9 3/4" 9'-9 3/4" 9'-9 7/8" 9'-10"	
150.907° 150.795° 150.692°	0'-4 3/4" 0'-4 3/4" 0'-4 3/4"	10'-8" 10'-8" 10'-8"	5'-6 3/8" 5'-6 3/8" 5'-6 3/8"	9'-10" 9'-10" 9'-10 1/8" 9'-10 1/8"	
150.585° 150.472° 150.362°	0'-4 5/8" 0'-4 5/8" 0'-4 5/8"	10'-8" 10'-8" 10'-8"	5'-6 3/8" 5'-6 3/8" 5'-6 3/8"	9'-10 1/8" 9'-10 1/8" 9'-10 1/4" 9'-10 1/4"	
150.254° 150.141° 150.031°	0'-4 1/2" 0'-4 1/2" 0'-4 1/2"	10'-8" 10'-8" 10'-8"	5'-6 3/8" 5'-6 3/8" 5'-6 3/8"	9'-10 3/8" 9'-10 3/8" 9'-10 3/8" 9'-10 1/2"	
149.924° 149.812° 149.702°	0'-4 3/8" 0'-4 3/8" 0'-4 3/8"	10'-8" 10'-8" 10'-8"	5'-6 3/8" 5'-6 3/8" 5'-6 1/4" 5'-6 1/4"	9'-10 1/2" 9'-10 1/2" 9'-10 1/2" 9'-10 5/8"	
149.588°	0'-4 3/8"	10'-8"	5'-6 1/4"	9'-10 5/8"	
149.484°	0'-4 1/4"	10'-8"	5'-6 1/4"	9'-10 5/8"	
149.384°	0'-4 1/4"	10'-8"	5'-6 1/4"	9'-10 3/4"	
149.271°	0'-4 1/4"	10'-8"	5'-6 1/4"	9'-10 3/4"	
149.162°	0'-4 1/8"	10'-8"	5'-6 1/4"	9'-10 3/4"	
149.047°	0'-4 1/8"	10'-8"	5'-6 1/4"	9'-10 7/8"	
148.944°	0'-4 1/8"	10'-8"	5'-6 1/4"	9'-10 7/8"	
148.837°	0'-4 1/8"	10'-8"	5'-6 1/4"	9'-10 7/8"	
148.734°	0'-4 1/8"	10'-8"	5'-6 1/4"	9'-10 7/8"	
148.634°	0'-4"	10'-8"	5'-6 1/4"	9'-11"	
148.530°	0'-4"	10'-8 1/8"	5'-6 1/4"	9'-11"	
148.421°	0'-4"	10'-8 1/8"	5'-6 1/4"	9'-11"	
148.325°	0'-4"	10'-8 1/8"	5'-6 1/4"	9'-11"	
148.224°	0'-4"	10'-8 1/8"	5'-6 1/4"	9'-11"	
148.129°	0'-3 7/8"	10'-8 1/8"	5'-6 1/4"	9'-11 1/8"	
148.028°	0'-3 7/8"	10'-8 1/8"	5'-6 1/4"	9'-11 1/8"	
147.932°	0'-3 7/8"	10'-8 1/8"	5'-6 1/4"	9'-11 1/8"	
147.832°	0'-3 7/8"	10'-8 1/8"	5'-6 1/4"	9'-11 1/8"	
147.746°	0'-3 7/8"	10'-8 1/8"	5'-6 1/8"	9'-11 1/8"	
147.656°	0'-3 7/8"	10'-8 1/8"	5'-6 1/8"	9'-11 1/8"	
147.561°	0'-3 3/4"	10'-8 1/8"	5'-6 1/8"	9'-11 1/8"	
147.481°	0'-3 3/4"	10'-8 1/8"	5'-6 1/8"	9'-11 1/8"	
147.387°	0'-3 3/4"	10'-8 1/8"	5'-6 1/8"	9'-11 1/8"	
147.308°	0'-3 3/4"	10'-8 1/8"	5'-6 1/8"	9'-11 1/4"	
147.215°	0'-3 3/4"	10'-8 1/8"	5'-6 1/8"	9'-11 1/4"	
147.138°	0'-3 3/4"	10'-8 1/8"	5'-6 1/8"	9'-11 1/4"	
147.067°	0'-3 3/4"	10'-8 1/8"	5'-6 1/8"	9'-11 1/4"	
146.991°	0'-3 3/4"	10'-8 1/8"	5'-6 1/8"	9'-11 1/4"	
146.922°	0'-3 5/8"	10'-8 1/8"	5'-6 1/8"	9'-11 1/4"	
146.858°	0'-3 5/8"	10'-8 1/8"	5'-6 1/8"	9'-11 1/4"	
146.781°	0'-3 5/8"	10'-8 1/8"	5'-6 1/8"	9'-11 1/4"	
146.720°	0'-3 5/8"	10'-8 1/8"	5'-6 1/8"	9'-11 1/8"	
146.654°	0'-3 5/8"	10'-8 1/8"	5'-6 1/8"	9'-11 1/8"	
146.596°	0'-3 5/8"	10'-8 1/8"	5'-6 1/8"	9'-11 1/8"	
146.543°	0'-3 5/8"	10'-8 1/8"	5'-6 1/8"	9'-11 1/8"	
146.487°	0'-3 5/8"	10'-8 1/8"	5'-6 1/8"	9'-11 1/8"	
146.437°	0'-3 5/8"	10'-8 1/8"	5'-6 1/8"	9'-11 1/8"	
146.384°	0'-3 5/8"	10'-8 1/8"	5'-6 1/8"	9'-11 1/8"	
146.348°	0'-3 5/8"	10'-8 1/8"	5'-6"	9'-11 1/8"	
146.297°	0'-3 5/8"	10'-8 1/8"	5'-6"	9'-11 1/8"	
146.264°	0'-3 5/8"	10'-8 1/8"	5'-6"	9'-11"	
146.227°	0'-3 5/8"	10'-8 1/8"	5'-6"	9'-11"	
146.187°	0'-3 5/8"	10'-8 1/8"	5'-6"	9'-11"	
146.163°	0'-3 5/8"	10'-8 1/8"	5'-6"	9'-11"	
146.147°	0'-3 5/8"	10'-8 1/8"	5'-6"	9'-10 7/8"	
146.106°	0'-3 5/8"	10'-8 1/8"	5'-6"	9'-10 7/8"	
146.093°	0'-3 5/8"	10'-8 1/8"	5'-6"	9'-10 7/8"	
146.076°	0'-3 5/8"	10'-8 1/8"	5'-6"	9'-10 7/8"	
146.067° 146.053° 146.047° 146.048°	0'-3 5/8" 0'-3 5/8" 0'-3 5/8"	10'-8 1/8" 10'-8 1/8" 10'-8 1/8" 10'-8 1/8"	5'-6" 5'-5 7/8" 5'-5 7/8"	9'-10 3/4" 9'-10 3/4" 9'-10 3/4"	
146.048° 146.044° 146.038° 146.048°	0'-3 5/8" 0'-3 5/8" 0'-3 5/8"	10'-8 1/8" 10'-8 1/8" 10'-8 1/8" 10'-8 1/8"	5'-5 7/8" 5'-5 3/4" 5'-5 3/4"	9'-10 3/4" 9'-10 5/8" 9'-10 5/8"	
146.048°	0'-3 5/8"	10'-8 1/8"	5'-5 3/4"	9'-10 1/2"	
146.055°	0'-3 5/8"	10'-8 1/8"	5'-5 5/8"	9'-10 1/2"	
146.069°	0'-3 5/8"	10'-8 1/8"	5'-5 5/8"	9'-10 1/2"	
146.089°	0'-3 3/4"	10'-8 1/8"	5'-5 5/8"	9'-10 3/8"	
146.089°	0'-3 3/4"	10'-8 1/8"	5'-5 5/8"	9'-10 3/8"	
146.095°	0'-3 3/4"	10'-8 1/8"	5'-5 1/2"	9'-10 3/8"	
146.129°	0'-3 3/4"	10'-8"	5'-5 1/2"	9'-10 1/4"	
146.148°	0'-3 3/4"	10'-8"	5'-5 1/2"	9'-10 1/4"	
146.148°	0'-3 3/4"	10'-8"	5'-5 1/2"	9'-10 1/4"	
146.164°	0'-3 3/4"	10'-8"	5'-5 3/8"	9'-10 1/4"	
146.206°	0'-3 3/4"	10'-8"	5'-5 3/8"	9'-10 1/8"	
146.235°	0'-3 3/4"	10'-8"	5'-5 3/8"	9'-10 1/8"	
146.235°	0'-3 3/4"	10'-8"	5'-5 3/8"	9'-10'1/8"	
146.269°	0'-3 3/4"	10'-8"	5'-5 3/8"	9'-10"	
146.300°	0'-3 3/4"	10'-8"	5'-5 1/4"	9'-10"	
146.337°	0'-3 7/8"	10'-8"	5'-5 1/4"	9'-9 7/8"	
146.391° 146.430° 146.485°	0'-3 7/8 0'-3 7/8" 0'-3 7/8"	10-8" 10'-8" 10'-8" 10'-8"	5-5 1/4 5'-5 1/4" 5'-5 1/8" 5'-5 1/8"	9'-9 7/8 9'-9 7/8" 9'-9 3/4" 9'-9 5/8"	
146.526° 146.573° 146.625°	0'-3 7/8" 0'-3 7/8" 0'-3 7/8" 0'-4"	10'-8" 10'-8" 10'-8" 10'-8"	5'-5 1/8" 5'-5 1/8" 5'-5" 5'-5"	9'-9 5/8" 9'-9 5/8" 9'-9 1/2" 9'-9 1/2"	
146.683° 146.746° 146.805°	0'-4" 0'-4" 0'-4"	10'-8" 10'-8" 10'-7 7/8"	5'-5" 5'-4 7/8" 5'-4 7/8"	9'-9 1/2 9'-9 3/8" 9'-9 1/4" 9'-9 1/4"	
146.803 146.870° 146.930° 146.995°	0'-4 1/8" 0'-4 1/8" 0'-4 1/8"	10'-7 7/8" 10'-7 7/8" 10'-7 7/8" 10'-7 7/8"	5'-4 7/8" 5'-4 3/4" 5'-4 3/4"	9'-9 1/4 9'-9 1/8" 9'-9 1/8" 9'-9"	
147.065°	0'-4 1/8"	10'-7 7/8"	5'-4 3/4"	9'-8 7/8"	
147.131°	0'-4 1/8"	10'-7 7/8"	5'-4 5/8"	9'-8 3/4"	
147.201°	0'-4 1/4"	10'-7 7/8"	5'-4 5/8"	9'-8 3/4"	
147.276°	0'-4 1/4"	10'-7 7/8"	5'-4 5/8"	9'-8 5/8"	
147.347°	0'-4 1/4"	10'-7 7/8"	5'-4 1/2"	9'-8 1/2"	
147.422°	0'-4 1/4"	10'-7 7/8"	5'-4 1/2"	9'-8 1/2"	
147.493°	0'-4 3/8"	10'-7 7/8"	5'-4 1/2"	9'-8 3/8"	
147.576°	0'-4 3/8"	10'-7 7/8"	5'-4 1/2"	9'-8 1/4"	
147.647°	0'-4 3/8"	10'-7 7/8"	5'-4 3/8"	9'-8 1/8"	
147.730° 147.809° 147.883°	0'-4 1/2" 0'-4 1/2" 0'-4 1/2"	10'-7 7/8" 10'-7 7/8" 10'-7 7/8"	5'-4 3/8" 5'-4 3/8" 5'-4 1/4"	9'-8" 9'-7 7/8"	
147.969° 148.051° 148.136°	0'-4 5/8" 0'-4 5/8" 0'-4 5/8"	10'-7 7/8" 10'-7 7/8" 10'-7 7/8"	5'-4 1/4" 5'-4 1/4" 5'-4 1/4" 5'-4 1/8"	9'-7 3/4" 9'-7 5/8" 9'-7 1/2"	
148.216° 148.300° 148.387°	0'-4 5/8" 0'-4 3/4" 0'-4 3/4"	10'-7 7/8" 10'-7 7/8" 10'-7 7/8"	5'-4 1/8" 5'-4 1/8" 5'-4 1/8" 5'-4"	9'-7 3/8" 9'-7 1/4" 9'-7 1/8"	
148.470°	0'-4 7/8"	10'-7'7/0	5'-4"	9'-7"	
148.556°	0'-4 7/8"	10'-8"	5'-4"	9'-7"	
148.637°	0'-4 7/8"	10'-8"	5'-3 7/8"	9'-6 7/8"	
148.729° 148.816° 148.906°	0'-5" 0'-5" 0'-5"	10'-8" 10'-8" 10'-8" 10'-8"	5'-3 7/8" 5'-3 7/8" 5'-3 7/8"	9'-6 3/4" 9'-6 5/8" 9'-6 1/2"	
148.906 148.984°	0-5	10'-8 1/8"	5'-3 3/4"	9'-6 3/8"	
148.984° 149.072° 149.163°	0'-5 1/8" 0'-5 1/4"	10'-8 1/8" 10'-8 1/8"	5'-3 3/4" 5'-3 3/4"	9'-6 1/4" 9'-6 1/8"	

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<u>ID</u>	<u>P01V</u>	<u>L01</u>	<u>A01</u>	<u>L02</u>	<u>A02</u>	<u>L03</u>		<u>ANV</u>	<u>H03V</u>	<u>H04\</u>
WN339C	1'-11 3/4"	2'-5 5/8"	132.048°	7'-9 1/4"	149.421°	0'-5 3/8"	10'-8 1/4"	5'-3 1/2"	9'-5 5/8"	
WN340C	1'-11 3/4"	2'-5 3/8"	131.446°	7'-9 1/2"	149.507°	0'-5 3/8"	10'-8 1/4"	5'-3 1/2"	9'-5 1/2"	
WN341C	1'-11 3/4"	2'-5 1/8"	130.825°	7'-9 7/8"	149.596°	0'-5 1/2"	10'-8 3/8"	5'-3 3/8"	9'-5 3/8"	
WN342C	1'-11 3/4"	2'-4 3/4"	130.182°	7'-10 1/8"	149.680°	0'-5 1/2"	10'-8 3/8"	5'-3 3/8"	9'-5 1/4"	
WN343C	1'-11 3/4"	2'-4 1/2"	129.517°	7'-10 3/8"	149.766°	0'-5 5/8"	10'-8 1/2"	5'-3 1/4"	9'-5 1/8"	
WN344C	1'-11 5/8"	2'-4 1/4"	128.832°	7'-10 5/8"	149.854°	0'-5 5/8"	10'-8 1/2"	5'-3 1/4"	9'-5"	
WN345C	1'-11 5/8"	2'-4"	128.119°	7'-11"	149.944°	0'-5 3/4"	10'-8 5/8"	5'-3 1/4"	9'-4 7/8"	
WN346C	1'-11 5/8"	2'-3 3/4"	127.384°	7'-11 1/4"	150.024°	0'-5 3/4"	10'-8 5/8"	5'-3 1/8"	9'-4 3/4"	
WN347C	1'-11 5/8"	2'-3 3/8"	126.627°	7'-11 1/2"	150.111°	0'-5 3/4"	10'-8 3/4"	5'-3 1/8"	9'-4 1/2"	
WN348C	1'-11 5/8"	2'-3 1/8"	125.842°	7'-11 7/8"	150.194°	0'-5 7/8"	10'-8 7/8"	5'-3"	9'-4 3/8"	
WN349C	1'-11 1/2"	2'-2 7/8"	125.113°	8'-0 1/8"	150.279°	0'-5 7/8"	10'-9"	5'-3"	9'-4 1/4"	
WN350C	1'-11 1/2"	2'-2 5/8"	124.393°	8'-0 1/2"	150.360°	0'-6"	10'-9 1/8"	5'-2 7/8"	9'-4 1/8"	
WN351C	1'-11 3/8"	2'-2 3/8"	123.648°	8'-0 3/4"	150.443°	0'-6"	10'-9 1/4"	5'-2 7/8"	9'-3 7/8"	
WN352C	1'-11 1/4"	2'-2 1/4"	122.882°	8'-1 1/8"	150.527°	0'-6 1/8"	10'-9 3/8"	5'-2 3/4"	9'-3 3/4"	
WN353C	1'-11 1/4"	2'-2"	122.088°	8'-1 3/8"	150.613°	0'-6 1/8"	10'-9 1/2"	5'-2 3/4"	9'-3 5/8"	
WN354C	1'-11 1/8"	2'-1 7/8"	121.650°	8'-1 1/2"	150.694°	0'-6 1/4"	10'-9 5/8"	5'-2 5/8"	9'-3 1/2"	
WN355C	1'-11"	2'-2 1/8"	122.570°	8'-0 7/8"	150.777°	0'-6 3/8"	10'-9 3/8"	5'-2 5/8"	9'-3 1/4"	
WN356C	1'-11"	2'-2 3/8"	123.460°	8'-0 3/8"	150.861°	0'-6 3/8"	10'-9 1/8"	5'-2 1/2"	9'-3 1/8"	
WN357C	1'-10 7/8"	2'-2 5/8"	124.317°	7'-11 3/4"	150.936°	0'-6 1/2"	10'-8 7/8"	5'-2 1/2"	9'-3"	
WN358C	1'-10 3/4"	2'-2 7/8"	125.146°	7'-11 1/8"	151.023°	0'-6 1/2"	10'-8 5/8"	5'-2 3/8"	9'-2 3/4"	
WN359C	1'-10 3/4"	2'-3 1/8"	125.945°	7'-10 1/2"	151.101°	0'-6 5/8"	10'-8 3/8"	5'-2 3/8"	9'-2 5/8"	
WN360C	1'-10 5/8"	2'-3 1/2"	126.714°	7'-10"	151.180°	0'-6 5/8"	10'-8 1/8"	5'-2 3/8"	9'-2 1/2"	
WN361C	1'-10 1/2"	2'-3 3/4"	127.457°	7'-9 3/8"	151.260°	0'-6 3/4"	10'-7 7/8"	5'-2 1/4"	9'-2 1/4"	
WN362C	1'-10 1/2"	2'-4"	128.175°	7'-8 7/8"	151.336°	0'-6 3/4"	10'-7 5/8"	5'-2 1/4"	9'-2 1/8"	
WN363C	1'-10 3/8"	2'-4 1/4"	128.866°	7'-8 1/4"	151.414°	0'-6 7/8"	10'-7 3/8"	5'-2 1/8"	9'-2"	
WN364C	1'-10 1/4"	2'-4 1/2"	129.534°	7'-7 3/4"	151.487°	0'-7"	10'-7 1/4"	5'-2 1/8"	9'-1 3/4"	
WN365C WN366C	1'-10 1/4" 1'-10 1/4" 1'-10 1/8"	2'-4 1/2 2'-4 3/4" 2'-5"	129.534 130.177° 130.798°	7'-7 3/4 7'-7 1/8" 7'-6 5/8"	151.487 151.567° 151.638°	0'-7" 0'-7 1/8"	10'-7" 10'-6 3/4"	5-2 1/8 5'-2" 5'-2"	9'-1 5/8" 9'-1 3/8"	
WN367C	1'-10"	2'-5 3/8"	131.396°	7'-6 1/8"	151.715°	0'-7 1/8"	10'-6 5/8"	5'-1 7/8"	9'-1 1/4"	
WN368C	1'-10"	2'-5 5/8"	131.973°	7'-5 1/2"	151.793°	0'-7 1/4"	10'-6 3/8"	5'-1 7/8"	9'-1 1/8"	
WN369C	1'-9 7/8"	2'-5 7/8"	132.530°	7'-5"	151.863°	0'-7 3/8"	10'-6 1/4"	5'-1 3/4"	9'-0 7/8"	
WN370C	1'-9 3/4"	2'-6 1/8"	133.067°	7'-4 1/2"	151.938°	0'-7 3/8"	10'-6"	5'-1 3/4"	9'-0 3/4"	
WN371C	1'-9 3/4"	2'-6 3/8"	133.583°	7'-4"	152.009°	0'-7 1/2"	10'-5 7/8"	5'-1 5/8"	9'-0 1/2"	
WN372C	1'-9 5/8"	2'-6 5/8"	134.082°	7'-3 1/2"	152.082°	0'-7 5/8"	10'-5 5/8"	5'-1 5/8"	9'-0 3/8"	
WN373C	1'-9 1/2"	2'-6 7/8"	134.562°	7'-3"	152.151°	0'-7 5/8"	10'-5 1/2"	5'-1 1/2"	9'-0 1/8"	
WN374C	1'-9 1/2"	2'-7 1/8"	135.026°	7'-2 3/8"	152.225°	0'-7 3/4"	10'-5 1/4"	5'-1 1/2"	8'-11 7/8"	
WN375C	1'-9 3/8"	2'-7 3/8"	135.472°	7'-1 7/8"	152.292°	0'-7 3/4"	10'-5 1/8"	5'-1 1/2"	8'-11 3/4"	
WN376C	1'-9 3/8"	2'-7 5/8"	135.902°	7'-1 1/2"	152.363°	0'-7 7/8"	10'-5"	5'-1 3/8"	8'-11 1/2"	
WN377C	1'-9 1/4"	2'-7 7/8"	136.317°	7'-1"	152.431°	0'-8"	10'-4 3/4"	5'-1 3/8"	8'-11 3/8"	
WN378C	1'-9 1/8"	2'-8 1/8"	136.716°	7'-0 1/2"	152.496°	0'-8 1/8"	10'-4 5/8"	5'-1 1/4"	8'-11 1/8"	
WN379C	1'-9 1/8"	2'-8 3/8"	137.100°	7'-0"	152.566°	0'-8 1/8"	10'-4 1/2"	5'-1 1/4"	8'-11"	
WN380C WN381C	1'-9" 1'-8 7/8"	2'-8 1/2" 2'-8 3/4"	137.471° 137.827°	6'-11 1/2" 6'-11"	152.632° 152.700°	0'-8 1/4" 0'-8 3/8"	10'-4 1/4" 10'-4 1/4" 10'-4 1/8"	5'-1 1/8" 5'-1 1/8"	8'-10 3/4" 8'-10 1/2"	
WN382C	1'-8 7/8"	2'-9"	138.170°	6'-10 5/8"	152.764°	0'-8 3/8"	10'-4"	5'-1"	8'-10 3/8"	
WN383C	1'-8 3/4"	2'-9 1/4"	138.501°	6'-10 1/8"	152.828°	0'-8 1/2"	10'-3 7/8"	5'-1"	8'-10 1/8"	
WN384C	1'-8 5/8"	2'-9 3/8"	138.819°	6'-9 5/8"	152.894°	0'-8 5/8"	10'-3 5/8"	5'-0 7/8"	8'-9 7/8"	
WN385C	1'-8 5/8"	2'-9 5/8"	139.123°	6'-9 1/4"	152.956°	0'-8 5/8"	10'-3 1/2"	5'-0 7/8"	8'-9 3/4"	
WN386C	1'-8 1/2"	2'-9 7/8"	139.417°	6'-8 3/4"	153.015°	0'-8 3/4"	10'-3 3/8"	5'-0 3/4"	8'-9 1/2"	
WN387C	1'-8 3/8"	2'-10"	139.700°	6'-8 3/8"	153.082°	0'-8 7/8"	10'-3 1/4"	5'-0 3/4"	8'-9 1/4"	
WN388C	1'-8 3/8"	2'-10 1/4"	139.971°	6'-7 7/8"	153.143°	0'-9"	10'-3 1/8"	5'-0 5/8"	8'-9 1/8"	
WN389C	1'-8 1/4"	2'-10 3/8"	140.232°	6'-7 1/2"	153.204°	0'-9"	10'-3"	5'-0 5/8"	8'-8 7/8"	
WN390C	1'-8 1/8"	2'-10 5/8"	140.481°	6'-7 1/8"	153.262°	0'-9 1/8"	10'-2 3/4"	5'-0 5/8"	8'-8 5/8"	
WN391C	1'-8 1/8"	2'-10 3/4"	140.720°	6'-6 5/8"	153.321°	0'-9 1/4"	10'-2 5/8"	5'-0 1/2"	8'-8 3/8"	
WN392C	1'-8"	2'-10 7/8"	140.949°	6'-6 1/4"	153.380°	0'-9 3/8"	10'-2 1/2"	5'-0 1/2"	8'-8 1/4"	
WN393C	1'-7 7/8"	2'-11 1/8"	141.168°	6'-5 7/8"	153.437°	0'-9 1/2"	10'-2 3/8"	5'-0 3/8"	8'-8"	
WN394C	1'-7 7/8"	2'-11 1/4"	141.378°	6'-5 1/2"	153.494°	0'-9 1/2"	10'-2 1/4"	5'-0 3/8"	8'-7 3/4"	
WN395C	1'-7 3/4"	2'-11 3/8"	141.580°	6'-5"	153.552°	0'-9 5/8"	10'-2 1/8"	5'-0 1/4"	8'-7 1/2"	
WN396C	1'-7 5/8"	2'-11 1/2"	141.771°	6'-4 5/8"	153.607°	0'-9 3/4"	10'-2"	5'-0 1/4"	8'-7 1/4"	
WN397C	1'-7 5/8"	2'-11 3/4"	141.952°	6'-4 1/4"	153.666°	0'-9 7/8"	10'-1 3/4"	5'-0 1/8"	8'-7 1/8"	
WN398C	1'-7 1/2"	2'-11 7/8"	142.126°	6'-3 7/8"	153.722°	0'-10"	10'-1 5/8"	5'-0 1/8"	8'-6 7/8"	
WN399C	1'-7 3/8"	3'-0"	142.291°	6'-3 1/2"	153.772°	0'-10"	10'-1 1/2"	5'-0"	8'-6 5/8"	
WN400C	1'-7 3/8"	3'-0 1/8"	142.448°	6'-3 1/8"	153.829°	0'-10 1/8"	10'-1 3/8"	4'-11 7/8"	8'-6 3/8"	
WN401C	1'-7 1/4"	3'-0 1/4"	142.598°	6'-2 3/4"	153.883°	0'-10 1/4"	10'-1 1/4"	4'-11 7/8"	8'-6 1/8"	
WN402C	1'-7 1/8"	3'-0 3/8"	142.738°	6'-2 3/8"	153.935°	0'-10 3/8"	10'-1 1/8"	4'-11 3/4"	8'-5 7/8"	
WN403C	1'-7 1/8"	3'-0 1/2"	142.870°	6'-2 1/8"	153.988°	0'-10 1/2"	10'-1"	4'-11 5/8"	8'-5 5/8"	
WN404C	1'-7"	3'-0 1/2"	142.996°	6'-1 3/4"	154.037°	0'-10 5/8"	10'-0 7/8"	4'-11 5/8"	8'-5 3/8"	
WN405C	1'-6 7/8"	3'-0 5/8"	143.114°	6'-1 3/8"	154.091°	0'-10 5/8"	10'-0 3/4"	4'-11 1/2"	8'-5 1/8"	
WN406C	1'-6 7/8"	3'-0 3/4"	143.224°	6'-1"	154.141°	0'-10 3/4"	10'-0 5/8"	4'-11 3/8"	8'-4 7/8"	
WN407C	1'-6 3/4"	3'-0 7/8"	143.326°	6'-0 3/4"	154.192°	0'-10 7/8"	10'-0 1/2"	4'-11 3/8"	8'-4 5/8"	
WN408C	1'-6 5/8"	3'-0 7/8"	143.421°	6'-0 3/8"	154.241°	0'-11"	10'-0 3/8"	4'-11 1/4"	8'-4 3/8"	
WN409C	1'-6 5/8"	3'-1"	143.510°	6'-0 1/8"	154.290°	0'-11 1/8"	10'-0 1/4"	4'-11 1/8"	8'-4 1/8"	
WN410C	1'-6 1/2"	3'-1 1/8"	143.590°	5'-11 3/4"	154.337°	0'-11 1/4"	10'-0"	4'-11 1/8"	8'-3 7/8"	
WN411C	1'-6 3/8"	3'-1 1/8"	143.664°	5'-11 1/2"	154.387°	0'-11 3/8"	9'-11 7/8"	4'-11"	8'-3 5/8"	
WN412C	1'-6 3/8"	3'-1 1/4"	143.731°	5'-11 1/8"	154.432°	0'-11 1/2"	9'-11 3/4"	4'-10 7/8"	8'-3 3/8"	
WN413C	1'-6 1/4"	3'-1 1/4"	143.791°	5'-10 7/8"	154.480°	0'-11 5/8"	9'-11 5/8"	4'-10 3/4"	8'-3 1/8"	
WN414C	1'-6 1/8"	3'-1 1/4"	143.844°	5'-10 1/2"	154.526°	0'-11 3/4"	9'-11 1/2"	4'-10 3/4"	8'-2 7/8"	
WN415C	1'-6 1/8"	3'-1 3/8"	143.891°	5'-10 1/4"	154.573°	0'-11 3/4"	9'-11 3/8"	4'-10 5/8"	8'-2 5/8"	
WN416C	1'-6"	3'-1 3/8"	143.930°	5'-10"	154.617°	0'-11 7/8"	9'-11 1/4"	4'-10 1/2"	8'-2 3/8"	
WN417C	1'-5 7/8"	3'-1 3/8"	143.963°	5'-9 3/4"	154.661°	1'-0"	9'-11 1/8"	4'-10 1/2"	8'-2 1/8"	
WN418C	1'-5 7/8"	3'-1 3/8"	143.988°	5'-9 3/8"	154.706°	1'-0 1/8"	9'-11"	4'-10 3/8"	8'-1 7/8"	
WN419C	1'-5 3/4"	3'-1 3/8"	144.009°	5'-9 1/8"	154.751°	1'-0 1/4"	9'-10 7/8"	4'-10 1/4"	8'-1 5/8"	
WN420C	1'-5 5/8"	3'-1 1/2"	144.021°	5'-8 7/8"	154.792°	1'-0 3/8"	9'-10 3/4"	4'-10 1/4"	8'-1 3/8"	10'
WN421C	1'-5 5/8"	3'-1 1/2"	144.027°	5'-8 5/8"	154.838°	1'-0 1/2"	9'-10 5/8"	4'-10 1/8"	8'-1"	
WN422C	1'-5 1/2"	3'-1 1/2"	144.027°	5'-8 3/8"	154.879°	1'-0 5/8"	9'-10 1/2"	4'-10"	8'-0 3/4"	10'-0 3
WN423C	1'-5 3/8"	3'-1 1/2"	144.020°	5'-8 1/8"	154.921°	1'-0 3/4"	9'-10 3/8"	4'-10"	8'-0 1/2"	10'-0 1
WN424C	1'-5 3/8"	3'-1 3/8"	144.006°	5'-7 7/8"	154.963°	1'-0 7/8"	9'-10 1/4"	4'-9 7/8"	8'-0 1/4"	10'-0 1
WN425C	1'-5 1/4"	3'-1 3/8"	143.985°	5'-7 5/8"	155.004°	1'-1"	9'-10 1/8"	4'-9 3/4"	8'-0"	9'-11 7
WN426C	1'-5 1/8"	3'-1 3/8"	143.958°	5'-7 3/8"	155.044°	1'-1 1/8"	9'-10"	4'-9 3/4"	7'-11 5/8"	9'-11 5
WN427C	1'-5 1/8"	3'-1 3/8"	143.925°	5'-7 1/4"	155.085°	1'-1 1/4"	9'-9 7/8"	4'-9 5/8"	7'-11 3/8"	9'-11 1
WN428C	1'-5"	3'-1 3/8"	143.885°	5'-7"	155.126°	1'-1 3/8"	9'-9 3/4"	4'-9 1/2"	7'-11 1/8"	9'-
WN429C	1'-4 7/8"	3'-1 1/4"	143.837°	5'-6 3/4"	155.163°	1'-1 1/2"	9'-9 1/2"	4'-9 1/2"	7'-10 7/8"	9'-10 3
WN430C WN431C	1'-4 7/8" 1'-4 3/4"	3'-1 1/4" 3'-1 1/8"	143.783° 143.722°	5'-6 1/2" 5'-6 3/8"	155.203° 155.241°	1'-1 5/8" 1'-1 3/4" 1'-1 7/8"	9'-9 3/8" 9'-9 1/4"	4'-9 3/8" 4'-9 1/4"	7'-10 1/2" 7'-10 1/4" 7'-10"	9'-10 3 9'-10 1 9'-9 3
WN432C WN433C WN434C	1'-4 5/8" 1'-4 5/8" 1'-4 1/2"	3'-1 1/8" 3'-1" 3'-1"	143.654° 143.579° 143.497°	5'-6 1/8" 5'-6" 5'-5 3/4"	155.281° 155.317° 155.354°	1'-2" 1'-2 1/8"	9'-9 1/8" 9'-9" 9'-8 7/8"	4'-9 1/8" 4'-9 1/8" 4'-9"	7'-9 5/8" 7'-9 3/8"	9'-9 1
WN435C	1'-4 3/8"	3'-0 7/8"	143.407°	5'-5 5/8"	155.391°	1'-2 1/4"	9'-8 3/4"	4'-8 7/8"	7'-9 1/8"	9'-8 7
WN436C	1'-4 3/8"	3'-0 7/8"	143.311°	5'-5 3/8"	155.428°	1'-2 1/2"	9'-8 5/8"	4'-8 7/8"	7'-8 3/4"	9'-8 5
WN437C	1'-4 1/4"	3'-0 3/4"	143.207°	5'-5 1/4"	155.463°	1'-2 5/8"	9'-8 1/2"	4'-8 3/4"	7'-8 1/2"	9'-8 1
WN438C	1'-4 1/8"	3'-0 5/8"	143.096°	5'-5"	155.497°	1'-2 3/4"	9'-8 3/8"	4'-8 5/8"	7'-8 1/4"	9'
WN439C	1'-4 1/8"	3'-0 1/2"	142.977°	5'-4 7/8"	155.533°	1'-2 7/8"	9'-8 1/4"	4'-8 5/8"	7'-7 7/8"	9'-7 5
WN440C	1'-4"	3'-0 3/8"	142.851°	5'-4 3/4"	155.568°	1'-3"	9'-8 1/8"	4'-8 1/2"	7'-7 5/8"	9'-7 3
WN441C	1'-3 7/8"	3'-0 3/8"	142.716°	5'-4 5/8"	155.604°	1'-3 1/8"	9'-8"	4'-8 3/8"	7'-7 1/4"	9'
WN442C	1'-3 7/8"	3'-0 1/4"	142.575°	5'-4 3/8"	155.638°	1'-3 1/4"	9'-7 7/8"	4'-8 3/8"	7'-7"	9'-6 5
WN443C	1'-3 3/4"	3'-0 1/8"	142.424°	5'-4 1/4"	155.671°	1'-3 3/8"	9'-7 3/4"	4'-8 1/4"	7'-6 3/4"	9'-6 3
WN444C	1'-3 5/8"	3'-0"	142.265°	5'-4 1/8"	155.705°	1'-3 1/2"	9'-7 5/8"	4'-8 1/8"	7'-6 3/8"	9'
WN445C	1'-3 5/8"	2'-11 7/8"	142.099°	5'-4"	155.737°	1'-3 5/8"	9'-7 1/2"	4'-8 1/8"	7'-6 1/8"	9'-5 3
WN446C	1'-3 1/2"	2'-11 5/8"	141.923°	5'-3 7/8"	155.771°	1'-3 7/8"	9'-7 3/8"	4'-8"	7'-5 3/4"	9'-5 3
WN447C	1'-3 3/8"	2'-11 1/2"	141.740°	5'-3 3/4"	155.802°	1'-4"	9'-7 1/4"	4'-7 7/8"	7'-5 1/2"	9'
WN448C	1'-3 3/8"	2'-11 3/8"	141.546°	5'-3 5/8"	155.835°	1'-4 1/8"	9'-7 1/8"	4'-7 7/8"	7'-5 1/8"	9'-4 3
WN449C	1'-3 1/4"	2'-11 1/4"	141.343°	5'-3 1/2"	155.865°	1'-4 1/4"	9'-7"	4'-7 3/4"	7'-4 7/8"	9'-4 3
WN450C	1'-3 1/4"	2'-11"	141.132°	5'-3 3/8"	155.898°	1'-4 3/8"	9'-6 7/8"	4'-7 5/8"	7'-4 1/2"	9'-3 3
WN451C	1'-3 1/8"	2'-10 7/8"	140.911°	5'-3 3/8"	155.928°	1'-4 1/2"	9'-6 3/4"	4'-7 5/8"	7'-4 1/8"	9'-3 3
WN452C	1'-3"	2'-10 3/4"	140.679°	5'-3 1/4"	155.959°	1'-4 3/4"	9'-6 5/8"	4'-7 1/2"	7'-3 7/8"	9'-3 3
WN453C	1'-3"	2'-10 1/2"	140.438°	5'-3 1/8"	155.989°	1'-4 7/8"	9'-6 1/2"	4'-7 3/8"	7'-3 1/2"	9'
WN454C	1'-2 7/8"	2'-10 3/8"	140.187°	5'-3 1/8"	156.019°	1'-5"	9'-6 3/8"	4'-7 1/4"	7'-3 1/4"	9'-2 3
WN455C	1'-2 3/4"	2'-10 1/8"	139.924°	5'-3"	156.048°	1'-5 1/8"	9'-6 1/4"	4'-7 1/4"	7'-2 7/8"	9'-2 3
WN456C	1'-2 3/4"	2'-10"	139.650°	5'-2 7/8"	156.078°	1'-5 1/4"	9'-6 1/4"	4'-7 1/8"	7'-2 1/2"	9'
WN457C	1'-2 5/8"	2'-9 3/4"	139.366°	5'-2 7/8"	156.107°	1'-5 1/2"	9'-6 1/8"	4'-7"	7'-2 1/4"	9'-1 5
WN458C	1'-2 1/2"	2'-9 5/8"	139.070°	5'-2 3/4"	156.137°	1'-5 5/8"	9'-6"	4'-7"	7'-1 7/8"	9'-1 1
WN459C	1'-2 1/2"	2'-9 3/8"	138.762°	5'-2 3/4"	156.164°	1'-5 3/4"	9'-5 7/8"	4'-6 7/8"	7'-1 5/8"	9'
WN460C	1'-2 3/8"	2'-9 1/8"	138.441°	5'-2 5/8"	156.192°	1'-5 7/8"	9'-5 3/4"	4'-6 3/4"	7'-1 1/4"	9'-0 5
WN461C	1'-2 1/4"	2'-9"	138.107°	5'-2 5/8"	156.220°	1'-6"	9'-5 5/8"	4'-6 5/8"	7'-0 7/8"	9'-0 1
WN462C	1'-2 1/4"	2'-8 3/4"	137.762°	5'-2 5/8"	156.248°	1'-6 1/4"	9'-5 1/2"	4'-6 1/2"	7'-0 1/2"	8'-11 7
WN463C WN464C WN465C	1'-2 1/8" 1'-2"	2'-8 1/2" 2'-8 1/4" 2'-8"	137.402° 137.027°	5'-2 1/2" 5'-2 1/2" 5'-2 1/2"	156.275° 156.302° 156.329°	1'-6 3/8" 1'-6 1/2" 1'-6 3/4"	9'-5 3/8" 9'-5 3/8" 9'-5 1/4"	4'-6 3/8" 4'-6 1/4" 4'-6 1/8"	7'-0 1/4" 6'-11 7/8" 6'-11 1/2"	8'-11 1 8'-11 1 8'-10 3
WN466C WN467C	1'-1 7/8" 1'-1 3/4"	2'-7 3/4" 2'-7 5/8"	136.640° 136.236° 135.819°	5'-2 1/2" 5'-2 1/2"	156.355° 156.382°	1'-6 7/8" 1'-7"	9'-5 1/8" 9'-5"	4'-6" 4'-6"	6'-11 1/4" 6'-10 7/8"	8'-10 3 8'-10 1
WN468C	1'-1 3/4"	2'-7 3/8"	135.384°	5'-2 1/2"	156.408°	1'-7 1/8"	9'-5"	4'-5 7/8"	6'-10 1/2"	8'-9 3
WN469C	1'-1 5/8"	2'-7 1/8"	134.934°	5'-2 1/2"	156.435°	1'-7 3/8"	9'-4 7/8"	4'-5 3/4"	6'-10 1/8"	8'-9 3
WN470C	1'-1 1/2"	2'-6 7/8"	134.466°	5'-2 1/2"	156.459°	1'-7 1/2"	9'-4 3/4"	4'-5 5/8"	6'-9 3/4"	8'
WN471C	1'-1 1/2"	2'-6 5/8"	133.978°	5'-2 1/2"	156.485°	1'-7 5/8"	9'-4 5/8"	4'-5 1/2"	6'-9 1/2"	8'-8 5
WN472C	1'-1 3/8"	2'-6 3/8"	133.476°	5'-2 1/2"	156.509°	1'-7 7/8"	9'-4 5/8"	4'-5 3/8"	6'-9 1/8"	8'-8 1
WN473C	1'-1 1/4"	2'-6"	132.953°	5'-2 1/2"	156.536°	1'-8"	9'-4 1/2"	4'-5 1/4"	6'-8 3/4"	8'-7 7
WN474C	1'-1 1/4"	2'-5 3/4"	132.411°	5'-2 1/2"	156.558°	1'-8 1/8"	9'-4 1/2"	4'-5 1/8"	6'-8 3/8"	8'-7 1
WN475C	1'-1 1/8"	2'-5 1/2"	131.849°	5'-2 1/2"	156.583°	1'-8 3/8"	9'-4 3/8"	4'-5"	6'-8"	8'-7 1
WN476C	1'-1"	2'-5 1/4"	131.266°	5'-2 1/2"	156.606°	1'-8 1/2"	9'-4 3/8"	4'-4 7/8"	6'-7 5/8"	8'-6 3
WN477C	1'-1"	2'-5"	130.660°	5'-2 5/8"	156.631°	1'-8 5/8"	9'-4 1/4"	4'-4 3/4"	6'-7 1/4"	8'-6 1
WN478C	1'-0 7/8"	2'-4 3/4"	130.034°	5'-2 5/8"	156.655°	1'-8 7/8"	9'-4 1/4"	4'-4 3/4"	6'-6 7/8"	8'-5 7
WN479C	1'-0 3/4"	2'-4 1/2"	129.383°	5'-2 5/8"	156.677°	1'-9"	9'-4 1/8"	4'-4 5/8"	6'-6 5/8"	8'-5 1
WN480C	1'-0 3/4"	2'-4 1/4"	128.708°	5'-2 3/4"	156.700°	1'-9 1/8"	9'-4 1/8"	4'-4 1/2"	6'-6 1/4"	8'-5 1
WN481C	1'-0 5/8"	2'-3 7/8"	128.009°	5'-2 3/4"	156.723°	1'-9 3/8"	9'-4"	4'-4 3/8"	6'-5 7/8"	8'-4 3
WN482C	1'-0 1/2"	2'-3 5/8"	127.282°	5'-2 7/8"	156.746°	1'-9 1/2"	9'-4"	4'-4 1/4"	6'-5 1/2"	8'-4 3
WN483C WN484C WN485C	1'-0 1/2" 1'-0 3/8" 1'-0 1/4"	2'-3 3/8" 2'-3 1/8" 2'-2 7/8"	126.530° 125.750° 124.941°	5'-2 7/8" 5'-3" 5'-3 1/8"	156.769° 156.790° 156.813°	1'-9 5/8" 1'-9 7/8" 1'-10"	9'-4" 9'-4" 9'-4"	4'-4 1/8" 4'-4" 4'-3 7/8"	6'-5 1/8" 6'-4 3/4" 6'-4 3/8"	8'-3 5 8'-3 1
WN486C	1'-0 1/4"	2'-2 5/8"	124.103°	5'-3 1/8"	156.834°	1'-10 1/4"	9'-4"	4'-3 3/4"	6'-4"	8'-2 3
WN487C	1'-0 1/8"	2'-2 1/4"	123.235°	5'-3 1/4"	156.855°	1'-10 3/8"	9'-4"	4'-3 5/8"	6'-3 5/8"	8'-2 3
WN488C WN489B WN490B	1'-0" 2'-1 3/8" 2'-1 1/2"	2'-2" 5'-3 1/8" 5'-2 3/8"	122.336° 157.180° 157.401°	5'-3 1/4" 1'-11" 1'-11 3/8"	156.948°	1'-10 5/8"	9'-4" 7'-2 1/8" 7'-1 3/4"	4'-3 5/8" 4'-3 1/2" 4'-3 3/8"	6'-3 1/4" 6'-2 7/8" 6'-2 3/8"	8' 8'-1 1 8'-1 1
WN490B WN491B WN492B	2'-1 1/2" 2'-2 1/4" 2'-3"	5'-2 3/8" 5'-0 7/8" 4'-11 1/2"	157.401° 157.614° 157.819°	1'-11 3/8" 1'-11 3/4" 2'-0 1/8"			7'-1 3/4" 7'-0 5/8" 6'-11 5/8"	4'-3 3/8" 4'-3 1/4" 4'-3 1/8"	6'-2 3/8" 6'-2" 6'-1 5/8"	8'-1 1 8'-0 3 8'-0 3
WN493B WN494B	2'-3 3/4" 2'-4 1/2"	4'-10" 4'-8 5/8"	158.016° 158.204°	2'-0 1/2" 2'-0 7/8"			6'-10 1/2" 6'-9 1/2"	4'-3" 4'-2 7/8"	6'-1 1/4" 6'-0 7/8"	7'-11 7 7'-11 1
WN495B WN496B WN497B	2'-5 1/4" 2'-5 7/8" 2'-6 5/8"	4'-7 1/8" 4'-5 3/4" 4'-4 3/8"	158.386° 158.561° 158.729°	2'-1 1/4" 2'-1 5/8" 2'-2"			6'-8 3/8" 6'-7 3/8" 6'-6 3/8"	4'-2 3/4" 4'-2 5/8" 4'-2 5/8"	6'-0 1/2" 6'-0 1/8" 5'-11 3/4"	7'-11 1 7'-10 5 7'-10 1
WN498B WN499B	2'-7 1/4" 2'-7 7/8"	4'-3 1/8" 4'-1 3/4"	158.891° 159.047°	2'-2 3/8" 2'-2 3/4"			6'-5 1/2" 6'-4 1/2"	4'-2 1/2" 4'-2 3/8"	5'-11 1/4" 5'-10 7/8"	7'-9 3 7'-9 3
WN500B WN501B WN502B	2'-8 1/2" 2'-9 1/8" 2'-9 3/4"	4'-0 3/8" 3'-11 1/8" 3'-9 7/8"	159.197° 159.340° 159.479°	2'-3 1/8" 2'-3 1/2" 2'-3 7/8"			6'-3 1/2" 6'-2 5/8" 6'-1 5/8"	4'-2 1/4" 4'-2 1/8" 4'-2"	5'-10 1/2" 5'-10 1/8" 5'-9 3/4"	7'-8 1 7'-8 1 7'-8 1
WN503B WN504B	2'-10 1/4" 2'-10 3/4"	3'-8 5/8" 3'-7 3/8"	159.613° 159.742°	2'-4 1/4" 2'-4 5/8"			6'-0 3/4" 5'-11 7/8"	4'-1 7/8" 4'-1 3/4"	5'-9 1/4" 5'-8 7/8"	7'-7 5 7'-7 1
WN505B	2'-11 3/8"	3'-6 1/8" 3'-4 7/8"	159.866° 159.986°	2'-4 7/8" 2'-5 1/4"			5'-11" 5'-10 1/4"	4'-1 5/8" 4'-1 5/8"	5'-8 1/2" 5'-8"	7'-6 3 7'-6 3

WEST <u>ID</u> <u>P01V</u> <u>L01</u> WN508B 3'-0 7/8" 3'-2 WN508B 3'-0'/i* WN508B 3'-1 1/4" WN510B 3'-1 3/4" WN510B 3'-1 3/4" WN511B 3'-2 1/8" WN512B 3'-2 5/8" WN513B 3'-3 3/8" WN515B 3'-3 3/8" WN515B 3'-3 5/8" WN515B 3'-4 3/8" WN516B 3'-4 7/8" WN517B 3'-4 5/8" WN518B 3'-4 5/8" WN518B 3'-4 5/8" WN518B 3'-5 5/8" WN520B 3'-5 5/8" WN522B 3'-5 5/8" WN522B 3'-5 7/8" WN526B 3'-6 1/4" WN526B 3'-6 1/4" WN526B 3'-6 3/4" WN526B 3'-6 3/4" WN526B 3'-6 3/4" WN528B 3'-6 7/8" WN528B 3'-6 7/8" WN532B 3'-7" WN533B 3'-7" WN533B 3'-7" WN509B

3'-7"

Grand total: 533

RAIL VERT TYPE NOTES

1. RAIL "PO1V" ELEVATIONS SHALL BE USED FOR VERTICAL ALIGNMENT OF MEMBERS DURING SHOP ASSEMBLY.

2. VERTICAL DIMENSIONS OR ELEVATIONS STATED IN RAIL VERT SCHEDULES ARE TO BASELINE ELEVATION FOR EACH RAIL RUN. THE BASELINE ELEVATION IS ARBITRARILY SET TO 1'-0" BELOW THE LOWEST POINT OF EACH RAIL RUN AND IS UNIQUE TO EACH RAIL RUN.

3. ANCHORAGE SPACING LOGIC IS SPECIFIED IN DOCUMENTS, BUT ANCHORAGE IS NOT PRESENT AT EVERY RAIL VERT. BECAUSE SPECIFIC ANCHORAGE PLAN LOCATIONS ARE LAID OUT BY FABRICATOR, "ANV" ELEVATION HAS BEEN PROVIDED FOR ALL RAIL VERTS.

<u>RAIL VERT TYPE LEGEND</u>

"#" SYMBOL REPRESENTS A NUMBER

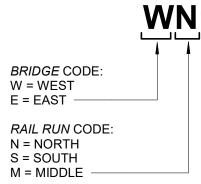
P0# - POINT AT CENTERPOINT OF RAIL VERT SEGMENT, LOCATED AT EITHER: RAIL VERT ENDS (TOP/BOTTOM) OR RAIL VERT BREAKS.

P0#V - POINT VERTICAL DISTANCE TO BASELINE ELEVATION

H0# - RAIL HORIZONTAL

A0# - ANGLE BETWEEN ADJACENT RAIL VERT SEGMENTS AN01 - CENTERLINE OF ANCHORAGE ANV - ANCHORAGE VERTICAL DISTANCE TO BASELINE ELEVATION

RAIL VERT ID LOGIC



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1	A01	L02	A02	L03	LTOT	ANV	H03V	H04V
-				<u> </u>				
1/2"	160.213°	2'-6"			5'-8 1/2"	4'-1 3/8"	5'-7 1/4"	7'-5 1/2'
3/8"	160.321°	2'-6 3/8"			5'-7 3/4"	4'-1 1/4"	5'-6 3/4"	7'-5'
1/4"	160.423°	2'-6 3/4"			5'-7"	4'-1 1/8"	5'-6 3/8"	7'-4 5/8'
1/8"	160.523°	2'-7 1/8"			5'-6 1/4"	4'-1"	5'-6"	7'-4 1/8'
10"	160.619°	2'-7 1/2"			5'-5 1/2"	4'-0 7/8"	5'-5 1/2"	7'-3 3/4'
7/8"	160.713°	2'-7 3/4"			5'-4 3/4"	4'-0 3/4"	5'-5 1/8"	7'-3 1/4'
7/8"	160.802°	2'-8 1/8"			5'-4"	4'-0 5/8"	5'-4 3/4"	7'-2 3/4'
7/8"	160.888°	2'-8 1/2"			5'-3 3/8"	4'-0 5/8"	5'-4 1/4"	7'-2 3/8'
3/4"	160.972°	2'-8 7/8"			5'-2 5/8"	4'-0 1/2"	5'-3 7/8"	7'-1 7/8'
8/4"	161.052°	2'-9 1/4"			5'-2"	4'-0 3/8"	5'-3 3/8"	7'-1 3/8'
8/4"	161.129°	2'-9 1/2"			5'-1 3/8"	4'-0 1/4"	5'-3"	7'-1'
8/4"	161.203°	2'-9 7/8"			5'-0 3/4"	4'-0 1/8"	5'-2 1/2"	7'-0 1/2'
7/8"	161.276°	2'-10 1/4"			5'-0 1/8"	4'-0"	5'-2 1/8"	7'-0'
7/8"	161.345°	2'-10 5/8"			4'-11 1/2"	3'-11 7/8"	5'-1 3/4"	6'-11 5/8'
'-0"	161.412°	2'-11"			4'-10 7/8"	3'-11 3/4"	5'-1 1/4"	6'-11 1/8'
/8"	161.476°	2'-11 1/4"			4'-10 3/8"	3'-11 3/4"	5'-0 7/8"	6'-10 5/8'
/4"	161.538°	2'-11 5/8"			4'-9 7/8"	3'-11 5/8"	5'-0 3/8"	6'-10 1/8'
/8"	161.598°	3'-0"			4'-9 1/4"	3'-11 1/2"	4'-11 7/8"	6'-9 3/4'
/2"	161.655°	3'-0 3/8"			4'-8 3/4"	3'-11 3/8"	4'-11 1/2"	6'-9 1/4'
5/8"	161.711°	3'-0 5/8"			4'-8 1/4"	3'-11 1/4"	4'-11"	6'-8 3/4'
7/8"	161.764°	3'-1"			4'-7 3/4"	3'-11 1/8"	4'-10 5/8"	6'-8 1/4'
'-6"	161.815°	3'-1 3/8"			4'-7 3/8"	3'-11"	4'-10 1/8"	6'-7 3/4'
/4"	161.865°	3'-1 5/8"			4'-6 7/8"	3'-10 7/8"	4'-9 3/4"	6'-7 1/4'
/2"	161.912°	3'-2"			4'-6 1/2"	3'-10 3/4"	4'-9 1/4"	6'-6 7/8'
3/4"	161.958°	3'-2 3/8"			4'-6"	3'-10 3/4"	4'-8 3/4"	6'-6 3/8'
'-3"	162.002°	3'-2 5/8"			4'-5 5/8"	3'-10 5/8"	4'-8 3/8"	6'-5 7/8'
					5017'-1 7/8"			



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MO BRIDGE N N Ľ Ď S REV DATE DESCRIPTION PROJECT NUMBER 12720.62 DATE 2020.09.17 ISSUE FOR CONSTRUCTION DESIGNED: NJC DRAWN: NJC REVIEWED: CLR SHEET TITLE SCHEDULE - WEST BRIDGE RAIL VERTS - NORTH RAIL RUN SHEET NUMBER

© George Butler Associates, Inc. 2020 Engineering COA# E-92 Architecture COA# A-45

Land Sureveying COA# LS-8

A06.11

L0# - RAIL VERT SEGEMENT (LEG) OR LENGTH OF SEGMENT (LEG)

H0#V - RAIL HORIZONTAL VERTICAL DISTANCE TO BASELINE ELEVATION

WN134B RAIL VERT TYPE ^{RE:} 1 / A06.10 NUMBER IN SEQUENCE (LEFT TO RIGHT)

RAIL REFERENCE

1. RE: A01.00 FOR PROJECT TERMINOLOGY.

a. RAIL VERT CONFIGURATION TYPES.

a. *RAIL VERT* VERTICAL LOCATION RELATIVE TO EACH RAIL RUN BASELINE ELEVATION

c. RAIL VERT BEND ANGLES

- d. ANCHORAGE LOCATIONS
- a. RAIL VERT LAYOUT b. RAIL HORIZONTAL LAYOUT c. RAIL VERT BENDS LAYOUT. 3. RE: 1 / A06.10 FOR:
- 4. RE: RAIL SCHEDULES FOR:
- b. RAIL VERT LEG LENGTHS
- e. RAIL HORIZONTAL LOCATIONS
- 2. RE: RAIL ELEVATIONS FOR:

ID	WE P01V		BR	LO2	E -	SO <i>L03</i>			UN H03V	H04\
<u>ID</u> WS1B	4'-0 5/8"	<u>LU1</u> 1'-2 5/8"	<u>A01</u> 162.026°	<u>LUZ</u> 3'-2 7/8"	<u> 702</u>	<u>LU3</u>	<u>4'-5 3/8"</u>	<u>AIVV</u> 4'-4 1/8"	<u>HU3V</u> 5'-1 3/4"	6'-11 1/
WS2B WS3B	4'-0 3/4" 4'-0 7/8"	1'-3 1/8" 1'-3 5/8"	161.998° 161.969°	3'-2 1/2" 3'-2 1/4"			4'-5 5/8" 4'-5 7/8"	4'-4 1/4" 4'-4 3/8"	5'-2 1/8" 5'-2 1/2"	6'-11 5/ 7'-0 1/
WS4B WS5B WS6B	4'-1" 4'-1" 4'-1 1/8"	1'-4 1/8" 1'-4 5/8" 1'-5 1/4"	161.939° 161.908° 161.874°	3'-1 7/8" 3'-1 5/8" 3'-1 3/8"			4'-6 1/8" 4'-6 3/8" 4'-6 5/8"	4'-4 3/8" 4'-4 1/2" 4'-4 5/8"	5'-3" 5'-3 3/8" 5'-3 3/4"	7'-0 5/ 7'- 7'-1 1/
WS7B WS8B	4'-1 1/8" 4'-1 1/8"	1'-5 7/8" 1'-6 1/2"	161.839° 161.803°	3'-1" 3'-0 3/4"			4'-6 7/8" 4'-7 1/4"	4'-4 5/8"	5'-4 1/4" 5'-4 5/8"	7'-1 7/ 7'-2 3/
WS9B WS10B	4'-1 1/8" 4'-1 1/8"	1'-7 1/8" 1'-7 3/4"	161.764° 161.725°	3'-0 3/8" 3'-0 1/8"			4'-7 1/2" 4'-7 7/8"	4'-4 7/8" 4'-4 7/8"	5'-5" 5'-5 3/8"	7'-2 3/ 7'-3 1/
WS11B WS12B WS13B	4'-1" 4'-0 7/8" 4'-0 7/8"	1'-8 1/2" 1'-9 1/8" 1'-9 7/8"	161.683° 161.640° 161.594°	2'-11 3/4" 2'-11 1/2" 2'-11 1/8"			4'-8 1/4" 4'-8 5/8" 4'-9"	4'-5" 4'-5 1/8" 4'-5 1/4"	5'-5 7/8" 5'-6 1/4" 5'-6 5/8"	7'-3 5/ 7'-4 1/ 7'-4 1/
WS14B WS15B	4'-0 3/4" 4'-0 1/2"	1'-10 5/8" 1'-11 3/8"	161.548° 161.498°	2'-10 7/8" 2'-10 1/2"			4'-9 1/2" 4'-10"	4'-5 1/4" 4'-5 3/8"	5'-7" 5'-7 3/8"	7'- 7'-5 3/
WS16B WS17B	4'-0 3/8" 4'-0 1/4"	2'-0 1/8" 2'-1"	161.447° 161.394°	2'-10 1/4" 2'-9 7/8"			4'-10 3/8" 4'-10 7/8"	4'-5 1/2" 4'-5 1/2"	5'-7 3/4" 5'-8 1/4"	7'-5 3/ 7'-6 1/
WS18B WS19B WS20B	4'-0" 3'-11 3/4" 3'-11 1/2"	2'-1 7/8" 2'-2 5/8" 2'-3 1/2"	161.338° 161.281° 161.221°	2'-9 5/8" 2'-9 1/4" 2'-9"			4'-11 3/8" 5'-0" 5'-0 1/2"	4'-5 5/8" 4'-5 3/4" 4'-5 3/4"	5'-8 5/8" 5'-9" 5'-9 3/8"	7'-6 5/ 7'-7 1/ 7'-7 1/
WS21B WS22B	3'-11 1/4" 3'-11"	2'-3 1/2" 2'-4 1/2" 2'-5 3/8"	161.159° 161.094°	2'-8 5/8" 2'-8 3/8"			5'-1 1/8" 5'-1 5/8"	4'-5 7/8" 4'-6"	5'-9 3/4" 5'-10 1/8"	7'-7 7/
WS23B WS24B	3'-10 5/8" 3'-10 1/4"	2'-6 1/4" 2'-7 1/4"	161.027° 160.957°	2'-8" 2'-7 5/8"			5'-2 1/4" 5'-2 7/8"	4'-6 1/8" 4'-6 1/8"	5'-10 1/2" 5'-10 7/8"	7'-8 3/ 7'-9 1/
WS25B WS26B WS27B	3'-9 7/8" 3'-9 1/2" 3'-9 1/8"	2'-8 1/4" 2'-9 1/4" 2'-10 1/4"	160.885° 160.810° 160.732°	2'-7 3/8" 2'-7" 2'-6 3/4"			5'-3 5/8" 5'-4 1/4" 5'-5"	4'-6 1/4" 4'-6 3/8" 4'-6 3/8"	5'-11 1/4" 5'-11 5/8" 6'-0"	7'-9 1/ 7'-1 7'-10 3/
WS28B WS29B	3'-8 3/4" 3'-8 1/4"	2'-10 1/4 2'-11 3/8" 3'-0 3/8"	160.651° 160.567°	2'-6 3/8" 2'-6"			5'-5 5/8" 5'-6 3/8"	4'-6 3/8 4'-6 1/2" 4'-6 5/8"	6'-0 3/8" 6'-0 3/4"	7'-10 3/
WS30B WS31B	3'-7 3/4" 3'-7 3/8"	3'-1 1/2" 3'-2 5/8"	160.479° 160.389°	2'-5 3/4" 2'-5 3/8"			5'-7 1/8" 5'-8"	4'-6 3/4" 4'-6 3/4"	6'-1 1/8" 6'-1 1/2"	7'-11 5/ 8'-
WS32B WS33B WS34B	3'-6 3/4" 3'-6 1/4" 3'-5 3/4"	3'-3 3/4" 3'-4 7/8" 3'-6"	160.295° 160.197° 160.096°	2'-5" 2'-4 3/4" 2'-4 3/8"			5'-8 3/4" 5'-9 5/8" 5'-10 3/8"	4'-6 7/8" 4'-7" 4'-7"	6'-1 7/8" 6'-2 1/4" 6'-2 5/8"	8'-0 3/ 8'-0 3/ 8'-1 1/
WS35B WS36B	3'-5 1/8" 3'-4 1/2"	3'-7 1/4" 3'-8 1/2"	159.991° 159.882°	2'-4'' 2'-4" 2'-3 3/4"			5'-10 3/8 5'-11 1/4" 6'-0 1/8"	4'-7 1/8" 4'-7 1/4"	6'-3"	8'-1 1/ 8'-1 1/ 8'-
WS37B WS38B	3'-3 7/8" 3'-3 1/4"	3'-9 3/4" 3'-11"	159.768° 159.651°	2'-3 3/8" 2'-3"			6'-1 1/8" 6'-2"	4'-7 1/4" 4'-7 3/8"	6'-3 3/4" 6'-4 1/8"	8'-2 3/ 8'-2 3/
WS39B WS40B	3'-2 5/8" 3'-1 7/8"	4'-0 1/4" 4'-1 5/8"	159.529° 159.402°	2'-2 3/4" 2'-2 3/8"			6'-3" 6'-3 7/8"	4'-7 1/2" 4'-7 5/8"	6'-4 1/2" 6'-4 7/8"	8'-3 1/ 8'-3 1/
WS41B WS42B WS43B	3'-1 1/4" 3'-0 1/2" 2'-11 3/4"	4'-2 7/8" 4'-4 1/4" 4'-5 5/8"	159.271° 159.134° 158.992°	2'-2" 2'-1 5/8" 2'-1 3/8"			6'-4 7/8" 6'-5 7/8" 6'-7"	4'-7 5/8" 4'-7 3/4" 4'-7 7/8"	6'-5 1/8" 6'-5 1/2" 6'-5 7/8"	8'-3 7/ 8'-4 1/ 8'-4 5/
WS44B WS45B	2'-11" 2'-10 1/8"	4'-7" 4'-8 3/8"	158.845° 158.691°	2'-1" 2'-0 5/8"			6'-8" 6'-9 1/8"	4'-7 7/8" 4'-8"	6'-6 1/4" 6'-6 5/8"	8'- 8'-5 3/
WS46B WS47B	2'-9 3/8" 2'-8 1/2"	4'-9 7/8" 4'-11 3/8"	158.532° 158.367°	2'-0 1/4" 2'-0"			6'-10 1/8" 6'-11 1/4"	4'-8 1/8" 4'-8 1/8"	6'-6 7/8" 6'-7 1/4"	8'-5 3/ 8'-6 1/
WS48B WS49B WS50B	2'-7 5/8" 2'-6 3/4" 2'-5 7/8"	5'-0 7/8" 5'-2 3/8" 5'-3 7/8"	158.193° 158.015° 157.829°	1'-11 5/8" 1'-11 1/4" 1'-10 7/8"			7'-0 3/8" 7'-1 5/8" 7'-2 3/4"	4'-8 1/4" 4'-8 3/8" 4'-8 3/8"	6'-7 5/8" 6'-8" 6'-8 1/4"	8'-6 1/ 8'-6 7/ 8'-7 1/
WS51C	1'-5 1/4"	2'-1 5/8"	120.807°	5'-3 3/4"	157.797°	1'-10 3/4"	9'-4 1/8"	4'-8 1/2"	6'-8 5/8"	8'-7 1/
WS52C	1'-5 1/4"	2'-1 7/8"	121.766°	5'-3 5/8"	157.776°	1'-10 1/2"	9'-4 1/8"	4'-8 1/2"	6'-9"	8'-7 7/
WS53C	1'-5 3/8"	2'-2 1/8"	122.689°	5'-3 5/8"	157.752°	1'-10 3/8"	9'-4"	4'-8 5/8"	6'-9 3/8"	8'-8 1/
WS54C	1'-5 3/8"	2'-2 3/8"	123.579°	5'-3 1/2"	157.731°	1'-10 1/8"	9'-4"	4'-8 3/4"	6'-9 5/8"	8'-8 5/
WS55C	1'-5 1/2"	2'-2 5/8"	124.438°	5'-3 3/8"	157.707°	1'-10"	9'-4"	4'-8 3/4"	6'-10"	8'-9 3/
WS56C	1'-5 1/2"	2'-3"	125.267°	5'-3 1/4"	157.685°	1'-9 7/8"	9'-4"	4'-8 7/8"	6'-10 3/8"	8'-9 3/
WS57C	1'-5 5/8"	2'-3 1/4"	126.066°	5'-3 1/8"	157.661°	1'-9 5/8"	9'-4"	4'-8 7/8"	6'-10 5/8"	8'-9 3/
WS58C	1'-5 5/8"	2'-3 1/2"	126.836°	5'-3 1/8"	157.638°	1'-9 1/2"	9'-4"	4'-9"	6'-11 1/4"	8'-10
WS59C	1'-5 3/4"	2'-3 3/4"	127.579°	5'-3"	157.615°	1'-9 1/4"	9'-4"	4'-9 1/8"		8'-10 3/
WS60C	1'-5 3/4"	2'-4"	128.295°	5'-2 7/8"	157.591°	1'-9 1/8"	9'-4"	4'-9 1/8"	6'-11 5/8"	8'-10 3/
WS61C	1'-5 7/8"	2'-4 1/4"	128.987°	5'-2 7/8"	157.567°	1'-8 7/8"	9'-4 1/8"	4'-9 1/4"	7'-0"	8'-11 1/
WS62C	1'-5 7/8"	2'-4 5/8"	129.649°	5'-2 3/4"	157.541°	1'-8 3/4"	9'-4 1/8"	4'-9 3/8"	7'-0 1/4"	8'-11 3/
WS63C	1'-6"	2'-4 7/8"	130.291°	5'-2 3/4"	157.518°	1'-8 5/8"	9'-4 1/8"	4'-9 3/8"	7'-0 5/8"	8'-11 3/
WS64C	1'-6"	2'-5 1/8"	130.909°	5'-2 5/8"	157.493°	1'-8 3/8"	9'-4 1/4"	4'-9 1/2"	7'-0 7/8"	9'-0 1/
WS65C WS66C	1'-6 1/8" 1'-6 1/8"	2'-5 3/8" 2'-5 5/8"	131.504° 132.079°	5'-2 5/8" 5'-2 5/8"	157.466° 157.442°	1'-8 1/4" 1'-8 1/8"	9'-4 1/4" 9'-4 1/4"	4'-9 1/2" 4'-9 5/8"	7'-0 7/6 7'-1 1/4" 7'-1 1/2"	9'-0 1/ 9'-0 3/
WS67C	1'-6 1/8"	2'-5 7/8"	132.632°	5'-2 1/2"	157.416°	1'-7 7/8"	9'-4 3/8"	4'-9 3/4"	7'-1 7/8"	9'-1 1/
WS68C	1'-6 1/4"	2'-6 1/8"	133.163°	5'-2 1/2"	157.389°	1'-7 3/4"	9'-4 3/8"	4'-9 3/4"	7'-2 1/8"	9'-1 1/
WS69C	1'-6 1/4"	2'-6 3/8"	133.678°	5'-2 1/2"	157.363°	1'-7 5/8"	9'-4 1/2"	4'-9 7/8"	7'-2 1/2"	9'-1 3/
WS70C	1'-6 3/8"	2'-6 5/8"	134.172°	5'-2 1/2"	157.336°	1'-7 3/8"	9'-4 1/2"	4'-9 7/8"	7'-2 3/4"	9'-2 1/
WS71C	1'-6 3/8"	2'-6 7/8"	134.649°	5'-2 1/2"	157.310°	1'-7 1/4"	9'-4 5/8"	4'-10"	7'-3 1/8"	9'-2 3/
WS72C WS73C	1'-6 1/2" 1'-6 1/2"	2'-7 1/8" 2'-7 3/8"	135.106° 135.549°	5'-2 3/8" 5'-2 3/8"	157.282° 157.255°	1'-7 1/4" 1'-7 1/8" 1'-6 7/8"	9'-4 5/8" 9'-4 3/4"	4'-10" 4'-10 1/8"	7'-3 3/8" 7'-3 3/4"	9'-2 3/ 9'-2 3/ 9'-3 1/
WS74C	1'-6 5/8"	2'-7 5/8"	135.975°	5'-2 3/8"	157.226°	1'-6 3/4"	9'-4 7/8"	4'-10 1/8"	7'-4"	9'-3 3/
WS75C	1'-6 5/8"	2'-7 7/8"	136.382°	5'-2 3/8"	157.199°	1'-6 5/8"	9'-4 7/8"	4'-10 1/4"	7'-4 3/8"	9'-3 3/
WS76C	1'-6 3/4"	2'-8 1/8"	136.777°	5'-2 1/2"	157.170°	1'-6 3/8"	9'-5"	4'-10 3/8"	7'-4 5/8"	9'-
WS77C	1'-6 3/4"	2'-8 3/8"	137.156°	5'-2 1/2"	157.143°	1'-6 1/4"	9'-5 1/8"	4'-10 3/8"	7'-4 7/8"	9'-4 3/
WS78C	1'-6 7/8"	2'-8 5/8"	137.521°	5'-2 1/2"	157.113°	1'-6 1/8"	9'-5 1/8"	4'-10 1/2"	7'-5 1/4"	9'-4 5/
WS79C	1'-6 7/8"	2'-8 3/4"	137.872°	5'-2 1/2"	157.083°	1'-6"	9'-5 1/4"	4'-10 1/2"	7'-5 1/2"	9'-
WS80C	1'-6 7/8"	2'-9"	138.210°	5'-2 1/2"	157.053°	1'-5 3/4"	9'-5 3/8"	4'-10 5/8"	7'-5 7/8"	9'-5 1/
WS81C	1'-7"	2'-9 1/4"	138.536°	5'-2 5/8"	157.024°	1'-5 5/8"	9'-5 1/2"	4'-10 5/8"	7'-6 1/8"	9'-5 5/
WS82C	1'-7"	2'-9 3/8"	138.846°	5'-2 5/8"	156.994°	1'-5 1/2"	9'-5 1/2"	4'-10 3/4"	7'-6 3/8"	9'-5 7/
WS83C	1'-7 1/8"	2'-9 5/8"	139.146°	5'-2 5/8"	156.964°	1'-5 3/8"	9'-5 5/8"	4'-10 7/8"	7'-6 5/8"	9'-6 1/
WS84C	1'-7 1/8"	2'-9 7/8"	139.435°	5'-2 3/4"	156.933°	1'-5 1/8"	9'-5 3/4"	4'-10 7/8"	7'-7"	9'-6 1/
WS85C	1'-7 1/4"	2'-10"	139.709°	5'-2 3/4"	156.901°	1'-5"	9'-5 7/8"	4'-11"	7'-7 1/4"	9'-6 3/
WS86C	1'-7 1/4"	2'-10 1/4"	139.974°	5'-2 7/8"	156.869°	1'-4 7/8"	9'-6"	4'-11"	7'-7 1/2"	9'-7 1/
WS87C	1'-7 3/8"	2'-10 3/8"	140.229°	5'-3"	156.837°	1'-4 3/4"	9'-6"	4'-11 1/8"	7'-7 7/8"	9'-7 3/
WS88C	1'-7 3/8"	2'-10 5/8"	140.472°	5'-3"	156.804°	1'-4 1/2"	9'-6 1/8"	4'-11 1/8"	7'-8 1/8"	9'-7 5/
WS89C	1'-7 1/2"	2'-10 3/4"	140.704°	5'-3 1/8"	156.771°	1'-4 3/8"	9'-6 1/4"	4'-11 1/4"	7'-8 3/8"	9'-
WS90C	1'-7 1/2"	2'-10 7/8"	140.927°	5'-3 1/4"	156.738°	1'-4 1/4"	9'-6 3/8"	4'-11 1/4"	7'-8 5/8"	9'-8 1/
WS91C	1'-7 5/8"	2'-11 1/8"	141.141°	5'-3 1/4"	156.705°	1'-4 1/8"	9'-6 1/2"	4'-11 3/8"	7'-9"	9'-8 1/
WS92C	1'-7 5/8"	2'-11 1/4"	141.343°	5'-3 3/8"	156.671°	1'-4"	9'-6 5/8"	4'-11 1/2"	7'-9 1/4"	9'-8 7/
WS93C	1'-7 3/4"	2'-11 3/8"	141.536°	5'-3 1/2"	156.636°	1'-3 7/8"	9'-6 5/8"	4'-11 1/2"	7'-9 1/2"	9'-9 1/
WS94C	1'-7 3/4"	2'-11 1/2"	141.722°	5'-3 5/8"	156.602°	1'-3 5/8"	9'-6 3/4"	4'-11 5/8"	7'-9 3/4"	9'-9 3/
WS95C	1'-7 3/4"	2'-11 5/8"	141.896°	5'-3 3/4"	156.567°	1'-3 1/2"	9'-6 7/8"	4'-11 5/8"	7'-10"	9'-9 3/
WS96C	1'-7 7/8"	2'-11 3/4"	142.063°	5'-3 7/8"	156.533°	1'-3 3/8"	9'-7"	4'-11 3/4"	7'-10 1/4"	9'-1
WS97C WS98C	1'-7 7/8" 1'-8"	2'-11 7/8" 3'-0" 3'-0 1/8"	142.221° 142.372°	5'-4" 5'-4 1/8"	156.496° 156.459°	1'-3 1/4" 1'-3 1/8"	9'-7 1/8" 9'-7 1/4" 9'-7 3/8"	4'-11 3/4" 4'-11 7/8"	7'-10 5/8" 7'-10 7/8"	9'-10 1/ 9'-10 1/
WS99C	1'-8"	3'-0 1/8	142.512°	5'-4 1/4"	156.424°	1'-3"	9'-7 3/8	4'-11 7/8"	7'-11 1/8"	9'-10 3/
WS100C	1'-8 1/8"	3'-0 1/4"	142.645°	5'-4 3/8"	156.387°	1'-2 7/8"	9'-7 1/2"	5'-0"	7'-11 3/8"	9'-11 1/
WS101C	1'-8 1/8"	3'-0 3/8"	142.771°	5'-4 1/2"	156.349°	1'-2 5/8"	9'-7 5/8"	5'-0 1/8"	7'-11 5/8"	9'-11 3/
WS102C	1'-8 1/4"	3'-0 1/2"	142.887°	5'-4 5/8"	156.310°	1'-2 1/2"	9'-7 3/4"	5'-0 1/8"	7'-11 7/8"	9'-11 5/
WS103C	1'-8 1/4"	3'-0 1/2"	142.996°	5'-4 7/8"	156.272°	1'-2 3/8"	9'-7 3/4"	5'-0 1/4"	8'-0 1/8"	9'-11 7/
WS104C	1'-8 3/8"	3'-0 5/8"	143.099°	5'-5"	156.234°	1'-2 1/4"	9'-7 7/8"	5'-0 1/4"	8'-0 3/8"	10'-0 1/
WS105C	1'-8 3/8"	3'-0 3/4"	143.194°	5'-5 1/8"	156.195°	1'-2 1/8"	9'-8"	5'-0 3/8"	8'-0 5/8"	10'-0 3/
WS106C	1'-8 1/2"	3'-0 3/4"	143.279°	5'-5 3/8"	156.155°	1'-2"	9'-8 1/8"	5'-0 3/8"	8'-0 7/8"	10'-0 5/
WS107C	1'-8 1/2"	3'-0 7/8"	143.359°	5'-5 1/2"	156.116°	1'-1 7/8"	9'-8 1/4"	5'-0 1/2"	8'-1 1/8"	10'-
WS108C	1'-8 1/2"	3'-0 7/8"	143.431°	5'-5 3/4"	156.075°	1'-1 3/4"	9'-8 3/8"	5'-0 5/8"	8'-1 3/8"	10'-1 1/
WS100C WS109C WS110C	1'-8 5/8" 1'-8 5/8"	3'-1" 3'-1"	143.495° 143.553°	5'-5 7/8" 5'-6 1/8"	156.032° 155.991°	1'-1 5/8" 1'-1 1/2"	9'-8 3/8" 9'-8 1/2" 9'-8 5/8"	5'-0 5/8" 5'-0 3/4"	8'-1 5/8" 8'-1 7/8"	10'-1 1/ 10'-1 3/
WS111C	1'-8 3/4"	3'-1 1/8"	143.605°	5'-6 3/8"	155.950°	1'-1 3/8"	9'-8 3/4"	5'-0 3/4"	8'-2 1/8"	10'-
WS112C	1'-8 3/4"	3'-1 1/8"	143.648°	5'-6 1/2"	155.907°	1'-1 1/4"	9'-8 7/8"	5'-0 7/8"	8'-2 3/8"	10'-2 1/
WS113C	1'-8 7/8"	3'-1 1/8"	143.684°	5'-6 3/4"	155.863°	1'-1 1/8"	9'-9"	5'-0 7/8"	8'-2 5/8"	10'-2 1/
WS114C	1'-8 7/8"	3'-1 1/8"	143.714°	5'-7"	155.820°	1'-1"	9'-9 1/8"	5'-1"	8'-2 7/8"	10'-2 3/
WS115C	1'-9"	3'-1 1/4"	143.737°	5'-7 1/4"	155.776°	1'-0 7/8"	9'-9 1/4"	5'-1"	8'-3 1/8"	10'-
WS115C WS116C WS117C	1'-9" 1'-9 1/8"	3'-1 1/4" 3'-1 1/4"	143.752° 143.761°	5'-7 3/8" 5'-7 5/8"	155.730° 155.686°	1'-0 7/8 1'-0 3/4" 1'-0 5/8"	9'-9 3/8" 9'-9 1/2"	5'-1 1/8" 5'-1 1/4"	8'-3 3/8" 8'-3 5/8"	10'-3 1/
WS118C	1'-9 1/8"	3'-1 1/4"	143.764°	5'-7 7/8"	155.640°	1'-0 1/2"	9'-9 5/8"	5'-1 1/4"	8'-3 3/4"	
WS119C	1'-9 1/4"	3'-1 1/4"	143.758°	5'-8 1/8"	155.596°	1'-0 3/8"	9'-9 3/4"	5'-1 3/8"	8'-4"	
WS120C	1'-9 1/4"	3'-1 1/4"	143.746°	5'-8 3/8"	155.549°	1'-0 1/4"	9'-9 7/8"	5'-1 3/8"	8'-4 1/4"	
WS121C	1'-9 1/4"	3'-1 1/8"	143.729°	5'-8 5/8"	155.501°	1'-0 1/8"	9'-10"	5'-1 1/2"	8'-4 1/2"	
WS122C	1'-9 3/8"	3'-1 1/8"	143.702°	5'-8 7/8"	155.453°	1'-0"	9'-10"	5'-1 1/2"	8'-4 3/4"	
WS122C WS123C WS124C	1'-9 3/8 1'-9 3/8" 1'-9 1/2"	3'-1 1/8" 3'-1 1/8" 3'-1 1/8"	143.702 143.670° 143.631°	5-8778 5'-91/4" 5'-91/2"	155.406° 155.356°	0'-11 7/8"	9'-10 1/8" 9'-10 1/4"	5'-1 5/8" 5'-1 3/4"	8-4 3/4 8'-5" 8'-5 1/8"	
WS125C	1'-9 1/2"	3'-1"	143.585°	5'-9 3/4"	155.304°	0'-11 5/8"	9'-10 3/8"	5'-1 3/4"	8'-5 3/8"	
WS126C	1'-9 5/8"	3'-1"	143.530°	5'-10"	155.255°	0'-11 1/2"	9'-10 1/2"	5'-1 7/8"	8'-5 5/8"	
WS127C	1'-9 5/8"	3'-1"	143.470°	5'-10 3/8"	155.204°	0'-11 3/8"	9'-10 5/8"	5'-1 7/8"	8'-5 7/8"	
WS128C	1'-9 3/4"	3'-0 7/8"	143.402°	5'-10 5/8"	155.153°	0'-11 1/4"	9'-10 3/4"	5'-1 7/8"	8'-6"	
WS129C	1'-9 3/4"	3'-0 7/8"	143.327°	5'-11"	155.101°	0'-11 1/8"	9'-10 7/8"	5'-2"	8'-6 1/4"	
WS130C	1'-9 7/8"	3'-0 3/4"	143.245°	5'-11 1/4"	155.048°	0'-11"	9'-11"	5'-2"	8'-6 1/2"	
WS131C	1'-9 7/8"	3'-0 3/4"	143.155°	5'-11 1/2"	154.997°	0'-10 7/8"	9'-11 1/8"	5'-2"	8'-6 3/4"	
WS132C	1'-10"	3'-0 5/8"	143.059°	5'-11 7/8"	154.944°	0'-10 3/4"	9'-11 1/4"	5'-2"	8'-6 7/8"	
WS133C	1'-10"	3'-0 1/2"	142.953°	6'-0 1/4"	154.886°	0'-10 5/8"	9'-11 3/8"	5'-2 1/8"	8'-7 1/8"	
WS134C	1'-10 1/8"	3'-0 3/8"	142.841°	6'-0 1/2"	154.834°	0'-10 5/8"	9'-11 1/2"	5'-2 1/8"	8'-7 3/8"	
WS135C	1'-10 1/8"	3'-0 3/8"	142.722°	6'-0 7/8"	154.779°	0'-10 1/2"	9'-11 5/8"	5'-2 1/8"	8'-7 1/2"	
WS136C	1'-10 1/8"	3'-0 1/4"	142.592°	6'-1 1/4"	154.721°	0'-10 3/8"	9'-11 3/4"	5'-2 1/4"	8'-7 3/4"	
WS137C	1'-10 1/4"	3'-0 1/8"	142.457°	6'-1 1/2"	154.664°	0'-10 1/4"	9'-11 7/8"	5'-2 1/4"	8'-8"	
WS138C	1'-10 1/4"	3'-0"	142.312°	6'-1 7/8"	154.606°	0'-10 1/8"	10'-0"	5'-2 1/4"	8'-8 1/8"	
WS139C	1'-10 3/8"	2'-11 7/8"	142.160°	6'-2 1/4"	154.547°	0'-10"	10'-0 1/8"	5'-2 1/4"	8'-8 3/8"	
WS140C	1'-10 3/8"	2'-11 3/4"	141.998°	6'-2 5/8"	154.490°	0'-9 7/8"	10'-0 1/4"	5'-2 3/8"	8'-8 1/2"	
WS141C WS142C	1'-10 1/2" 1'-10 1/2"	2'-11 5/8" 2'-11 1/2"	141.829° 141.651°	6'-3" 6'-3 3/8"	154.431° 154.369° 154.210°	0'-9 7/8" 0'-9 3/4"	10'-0 3/8" 10'-0 1/2"	5'-2 3/8" 5'-2 3/8"	8'-8 3/4" 8'-9"	
WS143C	1'-10 5/8"	2'-11 1/4"	141.462°	6'-3 3/4"	154.310°	0'-9 5/8"	10'-0 3/4"	5'-2 1/2"	8'-9 1/8"	
WS144C	1'-10 5/8"	2'-11 1/8"	141.266°	6'-4 1/8"	154.245°	0'-9 1/2"	10'-0 7/8"	5'-2 1/2"	8'-9 3/8"	
WS145C	1'-10 3/4"	2'-11"	141.060°	6'-4 1/2"	154.184°	0'-9 3/8"	10'-1"	5'-2 1/2"	8'-9 1/2"	
WS145C WS146C WS147C	1-10 3/4 1'-10 3/4" 1'-10 7/8"	2-11 2'-10 7/8" 2'-10 5/8"	141.060 140.843° 140.617°	6'-4 7/8" 6'-5 3/8"	154.184 154.120° 154.056°	0'-9 3/8 0'-9 3/8" 0'-9 1/4"	10'-1 1/8" 10'-1 1/4"	5-2 1/2 5'-2 1/2" 5'-2 5/8"	8'-9 3/4"	
WS148C	1'-10 7/8"	2'-10 1/2"	140.382°	6'-5 3/4"	153.989°	0'-9 1/8"	10'-1 3/8"	5'-2 5/8"	8'-10 1/8"	
WS149C	1'-10 7/8"	2'-10 3/8"	140.135°	6'-6 1/8"	153.926°	0'-9"	10'-1 1/2"	5'-2 5/8"	8'-10 1/4"	
WS150C	1'-11"	2'-10 1/8"	139.877°	6'-6 1/2"	153.860°	0'-8 7/8"	10'-1 5/8"	5'-2 3/4"	8'-10 1/2"	
WS151C	1'-11"	2'-10"	139.610°	6'-7"	153.794°	0'-8 7/8"	10'-1 3/4"	5'-2 3/4"	8'-10 5/8"	
WS152C	1'-11 1/8"	2'-9 3/4"	139.330°	6'-7 3/8"	153.726°	0'-8 3/4"	10'-1 7/8"	5'-2 3/4"	8'-10 7/8"	
WS153C	1'-11 1/8"	2'-9 1/2"	139.038°	6'-7 7/8"	153.657°	0'-8 5/8"	10'-2"	5'-2 3/4"	8'-11"	
WS154C	1'-11 1/4"	2'-9 3/8"	138.735°	6'-8 1/4"	153.589°	0'-8 1/2"	10'-2 1/4"	5'-2 7/8"	8'-11 1/8"	
WS154C	1'-11 1/4"	2'-9 3/8"	138.735°	6'-8 1/4"	153.589 ⁻	0'-8 1/2"	10'-2 1/4"	5'-2 7/8"	8'-11 1/8"	
WS155C	1'-11 1/4"	2'-9 1/8"	138.420°	6'-8 3/4"	153.521°	0'-8 1/2"	10'-2 3/8"	5'-2 7/8"	8'-11 3/8"	
WS156C	1'-11 3/8"	2'-8 7/8"	138.090°	6'-9 1/8"	153.446°	0'-8 3/8"	10'-2 1/2"	5'-2 7/8"	8'-11 1/2"	
WS157C	1'-11 3/8"	2'-8 3/4"	137.751°	6'-9 5/8"	153.376°	0'-8 1/4"	10'-2 5/8"	5'-2 7/8"	8'-11 3/4"	
WS158C	1'-11 1/2"	2'-8 1/2"	137.395°	6'-10 1/8"	153.306°	0'-8 1/4"	10'-2 3/4"	5'-3"	8'-11 7/8"	
WS159C	1'-11 1/2"	2'-8 1/4"	137.027°	6'-10 5/8"	153.232°	0'-8 1/8"	10'-3"	5'-3"	9'-0"	
WS160C	1'-11 5/8"	2'-8"	136.643°	6'-11"	153.159°	0'-8"	10'-3 1/8"	5'-3"	9'-0 1/4"	
WS161C	1'-11 5/8"	2'-7 3/4"	136.245°	6'-11 1/2"	153.083°	0'-7 7/8"	10'-3 1/4"	5'-3 1/8"	9'-0 3/8"	
WS162C	1'-11 5/8"	2'-7 5/8"	135.833°	7'-0"	153.011°	0'-7 7/8"	10'-3 3/8"	5'-3 1/8"	9'-0 1/2"	
WS163C	1'-11 3/4"	2'-7 3/8"	135.403°	7'-0 1/2"	152.931°	0'-7 3/4"	10'-3 5/8"	5'-3 1/8"	9'-0 3/4"	
WS163C WS164C WS165C	1'-11 3/4" 1'-11 3/4" 1'-11 7/8"	2'-7 3/8 2'-7 1/8" 2'-6 7/8"	135.403 134.957° 134.495°	7'-0'1/2 7'-1" 7'-1 1/2"	152.931 152.861° 152.782°	0'-7 5/8" 0'-7 5/8"	10'-3 5/8 10'-3 3/4" 10'-3 7/8"	5-3 1/8 5'-3 1/8" 5'-3 1/4"	9'-0 3/4 9'-0 7/8" 9'-1"	
WS166C	1'-11 7/8"	2'-6 5/8"	134.016°	7'-2" 7'-2 1/2"	152.700° 152.623°	0'-7 1/2"	10'-4 1/8" 10'-4 1/4"	5'-3 1/4" 5'-3 1/4"	9'-1 1/8" 9'-1 3/8"	

	WE	ST	BR	IDG	E-	SO	UTI	HR	UN
<u>ID</u>	<u>P01V</u>	<u>L01</u>	<u>A01</u>	<u>L02</u>	<u>A02</u>	<u>L03</u>	<u>LTOT</u>	<u>ANV</u>	<u>H03V</u> H04V
WS169C	2'-0 1/8"	2'-5 7/8"	132.462°	7'-3 1/2"	152.466°	0'-7 1/4"	10'-4 5/8"	5'-3 3/8"	9'-1 5/8"
WS170C	2'-0 1/8"	2'-5 1/2"	131.904°	7'-4"	152.381°	0'-7 1/8"	10'-4 3/4"	5'-3 3/8"	9'-1 3/4"
WS171C	2'-0 1/4"	2'-5 1/4"	131.328°	7'-4 5/8"	152.298°	0'-7 1/8"	10'-5"	5'-3 3/8"	9'-2"
WS172C	2'-0 1/4"	2'-5"	130.728°	7'-5 1/8"	152.220°	0'-7"	10'-5 1/8"	5'-3 1/2"	9'-2 1/8"
WS173C	2'-0 3/8"	2'-4 3/4"	130.105°	7'-5 5/8"	152.133°	0'-7"	10'-5 3/8"	5'-3 1/2"	9'-2 1/4"
WS174C	2'-0 3/8"	2'-4 1/2"	129.459°	7'-6 1/4"	152.052°	0'-6 7/8"	10'-5 5/8"	5'-3 1/2"	9'-2 3/8"
WS175C	2'-0 1/2"	2'-4 1/4"	128.792°	7'-6 3/4"	151.966°	0'-6 3/4"	10'-5 3/4"	5'-3 5/8"	9'-2 1/2"
WS176C	2'-0 1/2"	2'-4"	128.098°	7'-7 3/8"	151.877°	0'-6 3/4"	10'-6"	5'-3 5/8"	9'-2 5/8"
WS177C	2'-0 1/2"	2'-3 5/8"	127.377°	7'-7 7/8"	151.793°	0'-6 5/8"	10'-6 1/4"	5'-3 5/8"	9'-2 3/4"
WS178C	2'-0 5/8"	2'-3 3/8"	126.631°	7'-8 1/2"	151.706°	0'-6 5/8"	10'-6 1/2"	5'-3 5/8"	9'-3"
WS179C	2'-0 5/8"	2'-3 1/8"	125.857°	7'-9"	151.619°	0'-6 1/2"	10'-6 3/4"	5'-3 3/4"	9'-3 1/8"
WS180C	2'-0 3/4"	2'-2 7/8"	125.052°	7'-9 5/8"	151.528°	0'-6 1/2"	10'-6 7/8"	5'-3 3/4"	9'-3 1/4"
WS181C	2'-0 3/4"	2'-2 5/8"	124.312°	7'-10 1/4"	151.438°	0'-6 3/8"	10'-7 1/4"	5'-3 3/4"	9'-3 3/8"
WS182C	2'-0 3/4"	2'-2 3/8"	123.583°	7'-10 3/4"	151.349°	0'-6 1/4"	10'-7 1/2"	5'-3 7/8"	9'-3 1/2"
WS183C	2'-0 3/4"	2'-2 1/8"	122.829°	7'-11 3/8"	151.262°	0'-6 1/4"	10'-7 3/4"	5'-3 7/8"	9'-3 5/8"
WS184C	2'-0 3/4"	2'-2"	122.045°	8'-0"	151.164°	0'-6 1/8"	10'-8 1/8"	5'-3 7/8"	9'-3 3/4"
WS185C	2'-0 5/8"	2'-1 3/4"	121.236°	8'-0 5/8"	151.079°	0'-6 1/8"	10'-8 1/2"	5'-3 7/8"	9'-3 7/8"
WS186C	2'-0 5/8"	2'-1 5/8"	120.803°	8'-1"	150.983°	0'-6"	10'-8 5/8"	5'-4"	9'-4"
WS187C	2'-0 5/8"	2'-1 7/8"	121.831°	8'-0 5/8"	150.895°	0'-6"	10'-8 1/2"	5'-4"	9'-4 1/8"
WS188C	2'-0 5/8"	2'-2 1/8"	122.822°	8'-0 1/4"	150.796°	0'-5 7/8"	10'-8 3/8"	5'-4"	9'-4 1/4"
WS189C	2'-0 5/8"	2'-2 1/2"	123.783°	7'-11 7/8"	150.705°	0'-5 7/8"	10'-8 1/4"	5'-4"	9'-4 3/8"
WS190C	2'-0 5/8"	2'-2 3/4"	124.707°	7'-11 5/8"	150.609°	0'-5 3/4"	10'-8 1/8"	5'-4"	9'-4 1/2"
WS191C	2'-0 5/8"	2'-3"	125.603°	7'-11 1/4"	150.514°	0'-5 3/4"	10'-8"	5'-4"	9'-4 5/8"
WS192C	2'-0 5/8"	2'-3 3/8"	126.468°	7'-10 7/8"	150.421°	0'-5 5/8"	10'-7 7/8"	5'-4"	9'-4 3/4"
WS193C	2'-0 1/2"	2'-3 5/8"	127.303°	7'-10 1/2"	150.324°	0'-5 5/8"	10'-7 3/4"	5'-4"	9'-4 7/8"
WS194C	2'-0 1/2"	2'-4"	128.107°	7'-10 1/4"	150.228°	0'-5 1/2"	10'-7 3/4"	5'-4"	9'-5"
WS195C WS196C	2'-0 1/2" 2'-0 1/2"	2'-4 1/4" 2'-4 5/8"	128.888° 129.638°	7'-9 7/8" 7'-9 1/2"	150.133° 150.041°	0'-5 1/2" 0'-5 3/8"	10'-7 5/8" 10'-7 1/2"	5'-4" 5'-4" 5'-4"	9'-5 1/8" 9'-5 1/8"
WS197C	2'-0 1/2"	2'-4 7/8"	130.366°	7'-9 1/4"	149.937°	0'-5 3/8"	10'-7 1/2"	5'-4	9'-5 1/4"
WS198C	2'-0 1/2"	2'-5 1/8"	131.066°	7'-8 7/8"	149.842°	0'-5 3/8"	10'-7 3/8"	5'-4 1/8"	9'-5 3/8"
WS199C	2'-0 1/2"	2'-5 1/2"	131.743°	7'-8 5/8"	149.742°	0'-5 1/4"	10'-7 3/8"	5'-4 1/8"	9'-5 1/2"
WS200C	2'-0 1/2"	2'-5 3/4"	132.397°	7'-8 1/4"	149.644°	0'-5 1/4"	10'-7 1/4"	5'-4 1/8"	9'-5 5/8"
WS201C	2'-0 3/8"	2'-6 1/8"	133.028°	7'-8"	149.548°	0'-5 1/8"	10'-7 1/4"	5'-4 1/8"	9'-5 3/4"
WS202C	2'-0 3/8"	2'-6 3/8"	133.638°	7'-7 3/4"	149.447°	0'-5 1/8"	10'-7 1/4"	5'-4 1/8"	9'-5 3/4"
WS203C	2'-0 3/8"	2'-6 3/4"	134.228°	7'-7 3/8"	149.355°	0'-5"	10'-7 1/8"	5'-4 1/8"	9'-5 7/8"
WS204C	2'-0 3/8"	2'-7"	134.796°	7'-7 1/8"	149.252°	0'-5"	10'-7 1/8"	5'-4 1/8"	9'-6"
WS205C	2'-0 3/8"	2'-7 1/4"	135.346°	7'-6 7/8"	149.158°	0'-5"	10'-7 1/8"	5'-4 1/8"	9'-6 1/8"
WS206C	2'-0 3/8"	2'-7 5/8"	135.876°	7'-6 1/2"	149.052°	0'-4 7/8"	10'-7"	5'-4 1/8"	9'-6 1/4"
WS207C	2'-0 3/8"	2'-7 7/8"	136.390°	7'-6 1/4"	148.964°	0'-4 7/8"	10'-7"	5'-4 1/8"	9'-6 1/4"
WS208C	2'-0 3/8"	2'-8 1/4"	136.885°	7'-6"	148.863°	0'-4 7/8"	10'-7"	5'-4 1/8"	9'-6 3/8"
WS209C	2'-0 3/8"	2'-8 1/2"	137.364°	7'-5 3/4"	148.772°	0'-4 3/4"	10'-7"	5'-4 1/8"	9'-6 1/2"
WS210C	2'-0 1/4"	2'-8 3/4"	137.826°	7'-5 1/2"	148.669°	0'-4 3/4"	10'-7"	5'-4 1/8"	9'-6 5/8"
WS211C	2'-0 1/4"	2'-9"	138.274°	7'-5 1/4"	148.577°	0'-4 3/4"	10'-7"	5'-4 1/8"	9'-6 5/8"
WS212C	2'-0 1/4"	2'-9 3/8"	138.705°	7'-5"	148.479°	0'-4 5/8"	10'-6 7/8"	5'-4 1/8"	9'-6 3/4"
WS213C	2'-0 1/4"	2'-9 5/8"	139.123°	7'-4 3/4"	148.385°	0'-4 5/8"	10'-6 7/8"	5'-4 1/8"	9'-6 7/8"
WS214C	2'-0 1/4"	2'-9 7/8"	139.526°	7'-4 1/2"	148.294°	0'-4 5/8"	10'-6 7/8"	5'-4 1/4"	9'-6 7/8"
WS215C	2'-0 1/4"	2'-10 1/8"	139.916°	7'-4 1/4"	148.199°	0'-4 1/2"	10'-6 7/8"	5'-4 1/4"	9'-7"
WS216C	2'-0 1/4"	2'-10 3/8"	140.293°	7'-4"	148.106°	0'-4 1/2"	10'-6 7/8"	5'-4 1/4"	9'-7 1/8"
WS217C	2'-0 1/4"	2'-10 3/4"	140.657°	7'-3 3/4"	148.009°	0'-4 1/2"	10'-6 7/8"	5'-4 1/4"	9'-7 1/8"
WS218C	2'-0 1/8"	2'-11"	141.009°	7'-3 1/2"	147.924°	0'-4 3/8"	10'-6 7/8"	5'-4 1/4"	9'-7 1/4"
WS219C	2'-0 1/8"	2'-11 1/4"	141.349°	7'-3 1/4"	147.834°	0'-4 3/8"	10'-6 7/8"	5'-4 1/4"	9'-7 1/4"
WS220C	2'-0 1/8"	2'-11 1/2"	141.677°	7'-3 1/8"	147.748°	0'-4 3/8"	10'-6 7/8"	5'-4 1/4"	9'-7 3/8"
WS221C	2'-0 1/8"	2'-11 3/4"	141.996°	7'-2 7/8"	147.649°	0'-4 1/4"	10'-6 7/8"	5'-4 1/4"	9'-7 3/8"
WS222C	2'-0 1/8"	3'-0"	142.302°	7'-2 5/8"	147.562°	0'-4 1/4"	10'-6 7/8"	5'-4 1/4"	9'-7 1/2"
WS223C	2'-0 1/8"	3'-0 1/4"	142.598°	7'-2 1/2"	147.479°	0'-4 1/4"	10'-6 7/8"	5'-4 1/4"	9'-7 5/8"
WS224C	2'-0 1/8"	3'-0 1/2"	142.884°	7'-2 1/4"	147.401°	0'-4 1/4"	10'-6 7/8"	5'-4 1/4"	9'-7 5/8"
WS225C	2'-0 1/8"	3'-0 3/4"	143.160°	7'-2"	147.309°	0'-4 1/8"	10'-6 7/8"	5'-4 1/4"	9'-7 3/4"
WS226C	2'-0"	3'-0 7/8"	143.427°	7'-1 7/8"	147.231°	0'-4 1/8"	10'-6 7/8"	5'-4 1/4"	9'-7 3/4"
WS227C	2'-0"	3'-1 1/8"	143.685°	7'-1 5/8"	147.157°	0'-4 1/8"	10'-6 7/8"	5'-4 1/4"	9'-7 7/8"
WS228C	2'-0"	3'-1 3/8"	143.933°	7'-1 1/2"	147.078°	0'-4 1/8"	10'-6 7/8"	5'-4 1/4"	9'-7 7/8"
WS229C	2'-0"	3'-1 5/8"	144.173°	7'-1 1/4"	147.005°	0'-4"	10'-6 7/8"	5'-4 1/4"	9'-8"
WS230C	2'-0"	3'-1 3/4"	144.405°	7'-1 1/8"	146.927°	0'-4"	10'-7"	5'-4 3/8"	9'-8"
WS231C	2'-0"	3'-2"	144.628°	7'-1"	146.854°	0'-4"	10'-7"	5'-4 3/8"	9'-8"
WS232C	2'-0"	3'-2 1/4"	144.842°	7'-0 3/4"	146.786°	0'-4"	10'-7"	5'-4 3/8"	9'-8 1/8"
WS233C	2'-0"	3'-2 3/8"	145.051°	7'-0 5/8"	146.714°	0'-4"	10'-7"	5'-4 3/8"	9'-8 1/8"
WS234C	2'-0"	3'-2 5/8"	145.250°	7'-0 1/2"	146.647°	0'-3 7/8"	10'-7"	5'-4 3/8"	9'-8 1/4"
WS235C	1'-11 7/8"	3'-2 3/4"	145.443°	7'-0 3/8"	146.586°	0'-3 7/8"	10'-7"	5'-4 3/8"	9'-8 1/4"
WS236C	1'-11 7/8"	3'-3"	145.627°	7'-0 1/8"	146.530°	0'-3 7/8"	10'-7"	5'-4 3/8"	9'-8 3/8"
WS237C	1'-11 7/8"	3'-3 1/8"	145.805°	7'-0"	146.470°	0'-3 7/8"	10'-7"	5'-4 3/8"	9'-8 3/8"
WS238C	1'-11 7/8"	3'-3 3/8"	145.976°	6'-11 7/8"	146.416°	0'-3 7/8"	10'-7"	5'-4 3/8"	9'-8 3/8"
WS239C	1'-11 7/8"	3'-3 1/2"	146.141°	6'-11 3/4"	146.357°	0'-3 3/4"	10'-7"	5'-4 3/8"	9'-8 1/2"
WS240C	1'-11 7/8"	3'-3 5/8"	146.298°	6'-11 5/8"	146.315°	0'-3 3/4"	10'-7"	5'-4 3/8"	9'-8 1/2"
WS241C	1'-11 7/8"	3'-3 3/4"	146.450°	6'-11 1/2"	146.269°	0'-3 3/4"	10'-7 1/8"	5'-4 3/8"	9'-8 1/2"
WS242C	1'-11 7/8"	3'-4"	146.595°	6'-11 3/8"	146.218°	0'-3 3/4"	10'-7 1/8"	5'-4 3/8"	9'-8 5/8"
WS243C	1'-11 3/4"	3'-4 1/8"	146.733°	6'-11 1/4"	146.184°	0'-3 3/4"		5'-4 3/8"	9'-8 5/8"
WS244C	1'-11 3/4"	3'-4 1/4"	146.867°	6'-11 1/8"	146.136°	0'-3 3/4"		5'-4 3/8"	9'-8 5/8"
WS245C	1'-11 3/4"	3'-4 3/8"	146.993°	6'-11"	146.105°	0'-3 3/4"	10'-7 1/8"	5'-4 1/2"	9'-8 5/8"
WS246C	1'-11 3/4"	3'-4 1/2"	147.115°	6'-10 7/8"	146.069°	0'-3 3/4"	10'-7 1/8"	5'-4 1/2"	9'-8 3/4"
WS247C	1'-11 3/4"	3'-4 5/8"	147.230°	6'-10 7/8"	146.041°	0'-3 5/8"	10'-7 1/8"	5'-4 1/2"	9'-8 3/4"
WS248C	1'-11 3/4"	3'-4 3/4"	147.339°	6'-10 3/4"	146.008°	0'-3 5/8"	10'-7 1/8"	5'-4 3/8"	9'-8 3/4"
WS249C	1'-11 3/4"	3'-4 7/8"	147.443°	6'-10 5/8"	145.992°	0'-3 5/8"	10'-7 1/8"	5'-4 3/8"	9'-8 3/4"
WS250C WS251C WS252C	1'-11 3/4" 1'-11 5/8" 1'-11 5/8"	3'-5" 3'-5 1/8" 3'-5 1/4"	147.542° 147.634°	6'-10 1/2" 6'-10 1/2"	145.973° 145.961°	0'-3 5/8" 0'-3 5/8" 0'-3 5/8"	10'-7 1/4" 10'-7 1/4" 10'-7 1/4"	5'-4 3/8" 5'-4 3/8"	9'-8 7/8" 9'-8 7/8" 9'-8 7/8"
WS253C WS254C	1'-11 5/8" 1'-11 5/8"	3'-5 1/4" 3'-5 3/8"	147.723° 147.805° 147.883°	6'-10 3/8" 6'-10 3/8" 6'-10 1/4"	145.944° 145.935° 145.932°	0'-3 5/8" 0'-3 5/8"	10'-7 1/4" 10'-7 1/4"	5'-4 3/8" 5'-4 3/8" 5'-4 3/8"	9'-8 7/8" 9'-8 7/8"
WS255C	1'-11 5/8"	3'-5 1/2"	147.956°	6'-10 1/8"	145.937°	0'-3 5/8"	10'-7 1/4"	5'-4 1/4"	9'-8 7/8"
WS256C	1'-11 5/8"	3'-5 1/2"	148.023°	6'-10 1/8"	145.927°	0'-3 5/8"	10'-7 1/4"	5'-4 1/4"	9'-8 7/8"
WS257C	1'-11 5/8"	3'-5 5/8"	148.085°	6'-10 1/8"	145.935°	0'-3 5/8"	10'-7 1/4"	5'-4 1/4"	9'-9"
WS258C	1'-11 5/8"	3'-5 5/8"	148.143°	6'-10"	145.939°	0'-3 5/8"	10'-7 1/4"	5'-4 1/4"	9'-9"
WS259C	1'-11 5/8"	3'-5 3/4"	148.195°	6'-10"	145.950°	0'-3 5/8"	10'-7 1/4"	5'-4 1/4"	9'-9"
WS260C	1'-11 1/2"	3'-5 3/4"	148.244°	6'-9 7/8"	145.979°	0'-3 5/8"		5'-4 1/4"	9'-9"
WS261C	1'-11 1/2"	3'-5 7/8"	148.287°	6'-9 7/8"	145.993°	0'-3 5/8"		5'-4 1/4"	9'-9"
WS262C	1'-11 1/2"	3'-5 7/8"	148.325°	6'-9 7/8"	146.015°	0'-3 5/8"		5'-4 1/8"	9'-9"
WS263C	1'-11 1/2"	3'-5 7/8"	148.358°	6'-9 7/8"	146.043°	0'-3 5/8"	10'-7 3/8"	5'-4 1/8"	9'-9"
WS264C	1'-11 1/2"	3'-6"	148.388°	6'-9 3/4"	146.079°	0'-3 5/8"		5'-4 1/8"	9'-9"
WS265C	1'-11 1/2"	3'-6"	148.412°	6'-9 3/4"	146.100°	0'-3 5/8"		5'-4 1/8"	9'-9"
WS266C	1'-11 1/2"	3'-6"	148.431°	6'-9 3/4"	146.138°	0'-3 5/8"	10'-7 3/8"	5'-4 1/8"	9'-9"
WS267C	1'-11 1/2"	3'-6"	148.446°	6'-9 3/4"	146.184°	0'-3 5/8"	10'-7 3/8"	5'-4 1/8"	9'-9"
WS268C	1'-11 3/8"	3'-6"	148.457°	6'-9 3/4"	146.225°	0'-3 5/8"	10'-7 3/8"	5'-4 1/8"	9'-9"
WS269C	1'-11 3/8"	3'-6"	148.462°	6'-9 3/4"	146.274°	0'-3 5/8"	10'-7 3/8"	5'-4"	9'-9"
WS270C	1'-11 3/8"	3'-6"	148.464°	6'-9 3/4"	146.318°	0'-3 5/8"	10'-7 3/8"	5'-4"	9'-9"
WS271C	1'-11 3/8"	3'-6"	148.460°	6'-9 3/4"	146.380°	0'-3 5/8"	10'-7 3/8"	5'-4"	9'-9"
WS272C	1'-11 3/8"	3'-6"	148.452°	6'-9 3/4"	146.438°	0'-3 5/8"	10'-7 3/8"	5'-4"	9'-9"
WS273C	1'-11 3/8"	3'-6"	148.438°	6'-9 3/4"	146.492°	0'-3 5/8"	10'-7 1/2"	5'-4"	9'-9"
WS274C	1'-11 3/8"	3'-6"	148.422°	6'-9 3/4"	146.563°	0'-3 5/8"	10'-7 1/2"	5'-4"	9'-9"
WS275C	1'-11 3/8"	3'-6"	148.399°	6'-9 7/8"	146.619°	0'-3 5/8"	10'-7 1/2"	5'-4"	9'-9"
WS276C	1'-11 1/4"	3'-6"	148.373°	6'-9 7/8"	146.682°	0'-3 5/8"	10'-7 1/2"	5'-4"	9'-8 7/8"
WS277C	1'-11 1/4"	3'-5 7/8"	148.341°	6'-9 7/8"	146.761°	0'-3 5/8"	10'-7 1/2"	5'-3 7/8"	9'-8 7/8"
WS278C	1'-11 1/4"	3'-5 7/8"	148.305°	6'-9 7/8"	146.836°	0'-3 5/8"	10'-7 1/2"	5'-3 7/8"	9'-8 7/8"
WS279C WS280C WS281C	1'-11 1/4" 1'-11 1/4" 1'-11 1/4"	3'-5 7/8" 3'-5 3/4" 3'-5 3/4"	148.264° 148.219° 148.168°	6'-10" 6'-10" 6'-10"	146.907° 146.994° 147.076°	0'-3 3/4" 0'-3 3/4" 0'-3 3/4"	10'-7 1/2" 10'-7 1/2"	5'-3 7/8" 5'-3 7/8" 5'-3 7/8"	9'-8 7/8" 9'-8 7/8" 9'-8 7/8"
WS282C	1'-11 1/4"	3'-5 5/8"	148.113°	6'-10 1/8"	147.165°	0'-3 3/4"	10'-7 1/2"	5'-3 7/8"	9'-8 3/4"
WS283C	1'-11 1/4"	3'-5 5/8"	148.052°	6'-10 1/8"	147.248°	0'-3 3/4"	10'-7 1/2"	5'-3 7/8"	9'-8 3/4"
WS284C	1'-11 1/4"	3'-5 1/2"	147.987°	6'-10 1/4"	147.338°	0'-3 3/4"		5'-3 3/4"	9'-8 3/4"
WS285C	1'-11 1/8"	3'-5 3/8"	147.917°	6'-10 1/4"	147.432°	0'-3 3/4"		5'-3 3/4"	9'-8 3/4"
WS286C	1'-11 1/8"	3'-5 3/8"	147.843°	6'-10 3/8"	147.523°	0'-3 7/8"		5'-3 3/4"	9'-8 3/4"
WS287C	1'-11 1/8"	3'-5 1/4"	147.762°	6'-10 1/2"	147.618°	0'-3 7/8"	10'-7 1/2"	5'-3 3/4"	9'-8 5/8"
WS288C	1'-11 1/8"	3'-5 1/8"	147.676°	6'-10 1/2"	147.718°	0'-3 7/8"	10'-7 1/2"	5'-3 3/4"	9'-8 5/8"
WS289C	1'-11 1/8"	3'-5"	147.585°	6'-10 5/8"	147.824°	0'-3 7/8"	10'-7 1/2"	5'-3 3/4"	9'-8 5/8"
WS290C	1'-11 1/8"	3'-4 7/8"	147.490°	6'-10 3/4"	147.924°	0'-3 7/8"	10'-7 1/2"	5'-3 3/4"	9'-8 1/2"
WS291C	1'-11 1/8"	3'-4 7/8"	147.388°	6'-10 3/4"	148.020°	0'-3 7/8"	10'-7 1/2"	5'-3 5/8"	9'-8 1/2"
WS292C	1'-11 1/8"	3'-4 3/4"	147.282°	6'-10 7/8"	148.130°	0'-4"	10'-7 1/2"	5'-3 5/8"	9'-8 1/2"
WS293C	1'-11"	3'-4 5/8"	147.169°	6'-11"	148.234°	0'-4"	10'-7 1/2"	5'-3 5/8"	9'-8 3/8"
WS294C	1'-11"	3'-4 1/2"	147.051°	6'-11 1/8"	148.344°	0'-4"	10'-7 1/2"	5'-3 5/8"	9'-8 3/8"
WS295C	1'-11"	3'-4 3/8"	146.927°	6'-11 1/4"	148.457°	0'-4"	10'-7 1/2"	5'-3 5/8"	9'-8 3/8"
WS296C	1'-11"	3'-4 1/8"	146.797°	6'-11 3/8"	148.556°	0'-4"	10'-7 5/8"	5'-3 5/8"	9'-8 1/4"
WS297C	1'-11"	3'-4"	146.661°	6'-11 1/2"	148.677°	0'-4 1/8"	10'-7 5/8"	5'-3 5/8"	9'-8 1/4"
WS298C	1'-11"	3'-3 7/8"	146.519°	6'-11 5/8"	148.784°	0'-4 1/8"	10'-7 5/8"	5'-3 1/2"	9'-8 1/4"
WS299C	1'-11"	3'-3 3/4"	146.370°	6'-11 3/4"	148.895°	0'-4 1/8"	10'-7 5/8"	5'-3 1/2"	9'-8 1/8"
WS300C	1'-11"	3'-3 5/8"	146.216°	6'-11 7/8"	149.010°	0'-4 1/8"	10'-7 5/8"	5'-3 1/2"	9'-8 1/8"
WS301C	1'-10 7/8"	3'-3 3/8"	146.055°	7'-0"	149.128°	0'-4 1/4"	10'-7 5/8"	5'-3 1/2"	9'-8"
WS302C WS303C WS304C	1'-10 7/8" 1'-10 7/8" 1'-10 7/8"	3'-3 1/4" 3'-3" 3'-2 7/8"	145.888° 145.713° 145.532°	7'-0 1/8" 7'-0 1/4" 7'-0 3/8"	149.241° 149.357° 149.468°	0'-4 1/4" 0'-4 1/4" 0'-4 1/4"	10'-7 5/8" 10'-7 5/8"	5'-3 1/2" 5'-3 1/2" 5'-3 1/2"	9'-8" 9'-7 7/8" 9'-7 7/8"
WS305C	1'-10 7/8"	3'-2 5/8"	145.343°	7'-0 5/8"	149.590°	0'-4 3/8"	10'-7 5/8"	5'-3 1/2"	9'-7 3/4"
WS306C	1'-10 7/8"	3'-2 1/2"	145.148°	7'-0 3/4"	149.699°	0'-4 3/8"	10'-7 5/8"	5'-3 3/8"	9'-7 3/4"
WS307C	1'-10 7/8"	3'-2 1/4"	144.945°	7'-0 7/8"	149.826°	0'-4 3/8"	10'-7 5/8"	5'-3 3/8"	9'-7 5/8"
WS308C	1'-10 7/8"	3'-2 1/8"	144.733°	7'-1 1/8"	149.941°	0'-4 1/2"	10'-7 5/8"	5'-3 3/8"	9'-7 5/8"
WS309C	1'-10 7/8"	3'-1 7/8"	144.514°	7'-1 1/4"	150.050°	0'-4 1/2"	10'-7 5/8"	5'-3 1/4"	9'-7 1/2"
WS310C	1'-10 3/4"	3'-1 3/4"	144.287°	7'-1 3/8"	150.170°	0'-4 1/2"	10'-7 5/8"	5'-3 1/4"	9'-7 1/2"
WS311C	1'-10 3/4"	3'-1 1/2"	144.052°	7'-1 5/8"	150.292°	0'-4 5/8"	10'-7 5/8"	5'-3 1/4"	9'-7 3/8"
WS312C	1'-10 3/4"	3'-1 1/4"	143.807°	7'-1 3/4"	150.408°	0'-4 5/8"	10'-7 5/8"	5'-3 1/8"	9'-7 3/8"
WS313C	1'-10 3/4"	3'-1"	143.555°	7'-2"	150.527°	0'-4 5/8"	10'-7 5/8"	5'-3 1/8"	9'-7 1/4"
WS314C	1'-10 3/4"	3'-0 3/4"	143.293°	7'-2 1/8"	150.641°	0'-4 3/4"	10'-7 3/4"	5'-3 1/8"	9'-7 1/8"
WS315C WS316C WS317C	1'-10 3/4" 1'-10 3/4" 1'-10 3/4"	3'-0 5/8" 3'-0 3/8" 3'-0 1/8"	143.022° 142.741° 142.451°	7'-2 3/8" 7'-2 5/8" 7'-2 3/4"	150.757° 150.874° 150.994°	0'-4 3/4" 0'-4 3/4" 0'-4 7/8"	10'-7 3/4" 10'-7 3/4"	5'-3" 5'-3" 5'-2 7/8"	9'-7 1/8" 9'-7" 9'-7"
WS318C	1'-10 5/8"	2'-11 7/8"	142.149°	7'-3"	151.101°	0'-4 7/8"	10'-7 3/4"	5'-2 7/8"	9'-6 7/8"
WS319C	1'-10 5/8"	2'-11 5/8"	141.839°	7'-3 1/4"	151.224°	0'-4 7/8"	10'-7 3/4"	5'-2 7/8"	9'-6 3/4"
WS320C WS321C WS322C	1'-10 5/8" 1'-10 5/8" 1'-10 5/8"	2'-11 3/8" 2'-11 1/8" 2'-10 7/8"	141.516° 141.183° 140.836°	7'-3 1/2" 7'-3 5/8" 7'-3 7/8"	151.335° 151.447° 151.561°	0'-5" 0'-5" 0'-5 1/8"	10'-7 3/4" 10'-7 7/8"	5'-2 3/4" 5'-2 3/4" 5'-2 3/4"	9'-6 3/4" 9'-6 5/8" 9'-6 1/2"
WS323C	1'-10 5/8"	2'-10 5/8"	140.480°	7'-4 1/8"	151.670°	0'-5 1/8"	10'-7 7/8"	5'-2 5/8"	9'-6 3/8"
WS324C	1'-10 5/8"	2'-10 1/4"	140.110°	7'-4 3/8"	151.786°	0'-5 1/8"	10'-7 7/8"	5'-2 5/8"	9'-6 3/8"
WS325C WS326C WS327C	1'-10 5/8" 1'-10 1/2" 1'-10 1/2"	2'-10" 2'-9 3/4" 2'-9 1/2"	139.728° 139.331° 138.923°	7'-4 5/8" 7'-4 7/8" 7'-5 1/8"	151.892° 152.004° 152.112°	0'-5 1/4" 0'-5 1/4" 0'-5 3/8"	10'-7 7/8" 10'-8"	5'-2 1/2" 5'-2 1/2" 5'-2 1/2"	9'-6 1/4" 9'-6 1/8" 9'-6"
WS328C	1'-10 1/2"	2'-9 1/4"	138.499°	7'-5 3/8"	152.221°	0'-5 3/8"	10'-8"	5'-2 3/8"	9'-6"
WS329C	1'-10 1/2"	2'-8 7/8"	138.061°	7'-5 5/8"	152.331°	0'-5 1/2"		5'-2 3/8"	9'-5 7/8"
WS330C	1'-10 1/2"	2'-8 5/8"	137.606°	7'-5 7/8"	152.436°	0'-5 1/2"		5'-2 3/8"	9'-5 3/4"
WS331C	1'-10 1/2"	2'-8 3/8"	137.138°	7'-6 1/8"	152.542°	0'-5 5/8"	10'-8 1/8"	5'-2 1/4"	9'-5 5/8"
WS332C	1'-10 1/2"	2'-8"	136.652°	7'-6 1/2"	152.649°	0'-5 5/8"	10'-8 1/8"	5'-2 1/4"	9'-5 1/2"
WS333C	1'-10 1/2" 1'-10 1/2"	2'-7 3/4" 2'-7 1/2"	136.149° 135.628°	7'-6 3/4" 7'-7"	152.746° 152.849°	0'-5 3/4" 0'-5 3/4"		5'-2 1/8" 5'-2 1/8"	9'-5 1/2" 9'-5 3/8"

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<u>ID</u>	<u>P01V</u>	<u>L01</u>	<u>A01</u>	<u>L02</u>	<u>A02</u>	<u>L03</u>	<u>LTOT</u>	<u>ANV</u>	<u>H03V</u>	<u>H04V</u>
WS336C	1'-10 3/8"	2'-6 7/8"	134.533°	7'-7 5/8"	153.057°	0'-5 7/8"	10'-8 3/8"	5'-2"	9'-5 1/8"	
WS337C	1'-10 3/8"	2'-6 1/2"	133.956°	7'-7 7/8"	153.157°	0'-6"	10'-8 3/8"	5'-2"	9'-5"	
WS338C	1'-10 3/8"	2'-6 1/4"	133.359°	7'-8 1/8"	153.252°	0'-6"	10'-8 1/2"	5'-2"	9'-4 7/8"	
WS339C	1'-10 3/8"	2'-6"	132.741°	7'-8 1/2"	153.353°	0'-6 1/8"	10'-8 1/2"	5'-1 7/8"	9'-4 3/4"	
WS340C	1'-10 3/8"	2'-5 5/8"	132.099°	7'-8 3/4"	153.450°	0'-6 1/8"	10'-8 5/8"	5'-1 7/8"	9'-4 5/8"	
WS341C	1'-10 3/8"	2'-5 3/8"	131.437°	7'-9 1/8"	153.547°	0'-6 1/4"	10'-8 5/8"	5'-1 3/4"	9'-4 1/2"	
WS342C	1'-10 3/8"	2'-5"	130.750°	7'-9 3/8"	153.640°	0'-6 1/4"	10'-8 3/4"	5'-1 3/4"	9'-4 3/8"	
WS343C	1'-10 1/4"	2'-4 3/4"	130.041°	7'-9 3/4"	153.733°	0'-6 3/8"	10'-8 7/8"	5'-1 3/4"	9'-4 1/4"	
WS344C	1'-10 1/4"	2'-4 3/8"	129.304°	7'-10 1/8"	153.822°	0'-6 3/8"	10'-8 7/8"	5'-1 5/8"	9'-4 1/4"	
WS345C WS346C WS347C	1'-10 1/4" 1'-10 1/4" 1'-10 1/4"	2'-4 1/8" 2'-3 7/8" 2'-3 1/2"	125.504 128.542° 127.754° 126.938°	7'-10 3/8" 7'-10 3/4" 7'-11 1/8"	153.921° 154.006° 154.097°	0'-6 1/2" 0'-6 1/2" 0'-6 5/8"	10'-9 1/8" 10'-9 1/8" 10'-9 1/4"	5'-1 5/8" 5'-1 5/8" 5'-1 1/2"	9'-4 1/8" 9'-4 1/8" 9'-4" 9'-3 3/4"	
WS348C	1'-10 1/4"	2'-3 1/4"	126.090°	7'-11 3/8"	154.188°	0'-6 3/4"	10'-9 3/8"	5'-1 1/2"	9'-3 5/8"	
WS349C	1'-10 1/8"	2'-3"	125.286°	7'-11 3/4"	154.274°	0'-6 3/4"	10'-9 1/2"	5'-1 1/2"	9'-3 1/2"	
WS350C	1'-10 1/8"	2'-2 3/4"	124.483°	8'-0 1/8"	154.361°	0'-6 7/8"	10'-9 5/8"	5'-1 3/8"	9'-3 3/8"	
WS351C	1'-10"	2'-2 3/8"	123.655°	8'-0 1/2"	154.444°	0'-6 7/8"	10'-9 7/8"	5'-1 3/8"	9'-3 1/4"	
WS352C	1'-10"	2'-2 1/8"	122.798°	8'-0 7/8"	154.532°	0'-7"	10'-10"	5'-1 1/4"	9'-3 1/8"	
WS353C	1'-9 7/8"	2'-1 7/8"	121.912°	8'-1 1/4"	154.611°	0'-7 1/8"	10'-10 1/4"	5'-1 1/4"	9'-3"	
WS354C	1'-9 3/4"	2'-1 3/4"	121.401°	8'-1 3/8"	154.695°	0'-7 1/8"	10'-10 1/4"	5'-1 1/4"	9'-2 7/8"	
WS355C	1'-9 3/4"	2'-2"	122.354°	8'-0 3/4"	154.775°	0'-7 1/4"	10'-10"	5'-1 1/8"	9'-2 3/4"	
WS356C	1'-9 5/8"	2'-2 3/8"	123.274°	8'-0 1/8"	154.856°	0'-7 3/8"	10'-9 3/4"	5'-1 1/8"	9'-2 5/8"	
WS357C	1'-9 5/8"	2'-2 5/8"	124.161°	7'-11 1/2"	154.936°	0'-7 3/8"	10'-9 1/2"	5'-1 1/8"	9'-2 1/2"	
WS358C	1'-9 1/2"	2'-2 7/8"	125.016°	7'-10 7/8"	155.017°	0'-7 1/2"	10'-9 1/4"	5'-1"	9'-2 1/4"	
WS359C	1'-9 1/2"	2'-3 1/8"	125.840°	7'-10 3/8"	155.090°	0'-7 1/2"	10'-9"	5'-1"	9'-2 1/8"	
WS360C	1'-9 3/8"	2'-3 3/8"	126.637°	7'-9 3/4"	155.168°	0'-7 5/8"	10'-8 3/4"	5'-0 7/8"	9'-2"	
WS361C	1'-9 1/4"	2'-3 3/4"	127.404°	7'-9 1/8"	155.245°	0'-7 3/4"	10'-8 5/8"	5'-0 7/8"	9'-1 7/8"	
WS362C	1'-9 1/4"	2'-4"	128.144°	7'-8 1/2"	155.315°	0'-7 3/4"	10'-8 3/8"	5'-0 7/8"	9'-1 3/4"	
WS363C	1'-9 1/8"	2'-4 1/4"	128.856°	7'-8"	155.389°	0'-7 7/8"	10'-8 1/8"	5'-0 3/4"	9'-1 1/2"	
WS364C	1'-9 1/8"	2'-4 1/2"	129.543°	7'-7 3/8"	155.460°	0'-8"	10'-7 7/8"	5'-0 3/4"	9'-1 3/8"	
WS365C WS366C WS367C	1'-9" 1'-8 7/8" 1'-8 7/8"	2'-4 3/4" 2'-5 1/8" 2'-5 3/8"	130.206° 130.845° 131.460°	7'-6 7/8" 7'-6 1/4" 7'-5 3/4"	155.602° 155.673°	0'-8 1/8" 0'-8 1/8" 0'-8 1/4"	10'-7 3/4" 10'-7 1/2" 10'-7 3/8"	5'-0 3/4" 5'-0 5/8" 5'-0 5/8"	9'-1 1/4" 9'-1 1/8" 9'-0 7/8"	
WS368C	1'-8 3/4"	2'-5 5/8"	132.053°	7'-5 1/8"	155.741°	0'-8 3/8"	10'-7 1/8"	5'-0 1/2"	9'-0 3/4"	
WS369C	1'-8 3/4"	2'-5 7/8"	132.623°	7'-4 5/8"	155.806°	0'-8 3/8"	10'-7"	5'-0 3/8"	9'-0 5/8"	
WS370C	1'-8 5/8"	2'-6 1/8"	133.175°	7'-4 1/8"	155.877°	0'-8 1/2"	10'-6 3/4"	5'-0 3/8"	9'-0 1/2"	
WS371C	1'-8 5/8"	2'-6 3/8"	133.705°	7'-3 1/2"	155.942°	0'-8 5/8"	10'-6 5/8"	5'-0 1/4"	9'-0 1/4"	
WS372C	1'-8 1/2"	2'-6 3/4"	134.215°	7'-3"	156.004°	0'-8 3/4"	10'-6 3/8"	5'-0 1/4"	9'-0 1/8"	
WS373C	1'-8 3/8"	2'-7"	134.709°	7'-2 1/2"	156.069°	0'-8 3/4"	10'-6 1/4"	5'-0 1/8"	9'-0"	
WS374C	1'-8 3/8"	2'-7 1/4"	135.183°	7'-2"	156.131°	0'-8 7/8"	10'-6 1/8"	5'-0"	8'-11 3/4"	
WS375C	1'-8 1/4"	2'-7 1/2"	135.641°	7'-1 1/2"	156.193°	0'-9"	10'-5 7/8"	5'-0"	8'-11 5/8"	
WS376C	1'-8 1/4"	2'-7 3/4"	136.082°	7'-1"	156.253°	0'-9 1/8"	10'-5 3/4"	4'-11 7/8"	8'-11 3/8"	
WS377C	1'-8 1/8"	2'-8"	136.504°	7'-0 1/2"	156.315°	0'-9 1/4"	10'-5 5/8"	4'-11 7/8"	8'-11 1/4"	
WS378C	1'-8"	2'-8 1/4"	136.914°	7'-0"	156.375°	0'-9 1/4"	10'-5 1/2"	4'-11 3/4"	8'-11 1/8"	
WS379C	1'-8"	2'-8 1/2"	137.306°	6'-11 1/2"	156.431°	0'-9 3/8"	10'-5 3/8"	4'-11 5/8"	8'-10 7/8"	
WS380C	1'-7 7/8"	2'-8 5/8"	137.686°	6'-11"	156.491°	0'-9 1/2"	10'-5 1/8"	4'-11 5/8"	8'-10 3/4"	
WS381C	1'-7 7/8"	2'-8 7/8"	138.049°	6'-10 1/2"	156.545°	0'-9 5/8"	10'-5"	4'-11 1/2"	8'-10 1/2"	
WS382C	1'-7 3/4"	2'-9 1/8"	138.400°	6'-10"	156.602°	0'-9 3/4"	10'-4 7/8"	4'-11 1/2"	8'-10 3/8"	
WS383C	1'-7 3/4"	2'-9 3/8"	138.738°	6'-9 5/8"	156.659°	0'-9 3/4"	10'-4 3/4"	4'-11 3/8"	8'-10 1/8"	
WS384C	1'-7 5/8"	2'-9 5/8"	139.062°	6'-9 1/8"	156.711°	0'-9 7/8"	10'-4 5/8"	4'-11 1/4"	8'-10"	
WS385C	1'-7 1/2"	2'-9 3/4"	139.372°	6'-8 5/8"	156.765°	0'-10"	10'-4 1/2"	4'-11 1/4"	8'-9 3/4"	
WS386C	1'-7 1/2"	2'-10"	139.673°	6'-8 1/4"	156.820°	0'-10 1/8"	10'-4 3/8"	4'-11 1/8"	8'-9 5/8"	
WS387C	1'-7 3/8"	2'-10 1/4"	139.960°	6'-7 3/4"	156.872°	0'-10 1/4"	10'-4 1/8"	4'-11 1/8"	8'-9 3/8"	
WS388C	1'-7 3/8"	2'-10 3/8"	140.237°	6'-7 1/4"	156.924°	0'-10 3/8"	10'-4"	4'-11"	8'-9 1/4"	
WS389C	1'-7 1/4"	2'-10 5/8"	140.502°	6'-6 7/8"	156.974°	0'-10 1/2"	10'-3 7/8"	4'-10 7/8"	8'-9"	
WS390C	1'-7 1/8"	2'-10 3/4"	140.756°	6'-6 1/2"	157.024°	0'-10 1/2"	10'-3 3/4"	4'-10 7/8"	8'-8 7/8"	
WS391C	1'-7 1/8"	2'-11"	141.000°	6'-6"	157.076°	0'-10 5/8"	10'-3 5/8"	4'-10 3/4"	8'-8 5/8"	
WS392C	1'-7"	2'-11 1/8"	141.234°	6'-5 5/8"	157.123°	0'-10 3/4"	10'-3 1/2"	4'-10 3/4"	8'-8 1/2"	
WS393C	1'-7"	2'-11 1/4"	141.459°	6'-5 1/8"	157.171°	0'-10 7/8"	10'-3 3/8"	4'-10 5/8"	8'-8 1/4"	
WS394C	1'-6 7/8"	2'-11 1/2"	141.671°	6'-4 3/4"	157.218°	0'-11"	10'-3 1/4"	4'-10 1/2"	8'-8"	
WS395C	1'-6 7/8"	2'-11 5/8"	141.876°	6'-4 3/8"	157.264°	0'-11 1/8"	10'-3 1/8"	4'-10 1/2"	8'-7 7/8"	
WS396C	1'-6 3/4"	2'-11 3/4"	142.071°	6'-4"	157.309°	0'-11 1/4"	10'-3"	4'-10 3/8"	8'-7 5/8"	
WS397C	1'-6 5/8"	3'-0"	142.257°	6'-3 5/8"	157.355°	0'-11 3/8"	10'-2 7/8"	4'-10 3/8"	8'-7 3/8"	
WS398C	1'-6 5/8"	3'-0 1/8"	142.435°	6'-3 1/4"	157.400°	0'-11 1/2"	10'-2 3/4"	4'-10 1/4"	8'-7 1/4"	
WS399C	1'-6 1/2"	3'-0 1/4"	142.602°	6'-2 7/8"	157.444°	0'-11 5/8"	10'-2 5/8"	4'-10 1/8"	8'-7"	
WS400C	1'-6 1/2"	3'-0 3/8"	142.763°	6'-2 1/2"	157.487°	0'-11 3/4"	10'-2 1/2"	4'-10 1/8"	8'-6 3/4"	
WS401C	1'-6 3/8"	3'-0 1/2"	142.915°	6'-2 1/8"	157.531°	0'-11 7/8"	10'-2 3/8"	4'-10"	8'-6 5/8"	
WS402C	1'-6 1/4"	3'-0 5/8"	143.059°	6'-1 3/4"	157.572°	1'-0"	10'-2 1/4"	4'-10"	8'-6 3/8"	
WS403C	1'-6 1/4"	3'-0 3/4"	143.193°	6'-1 3/8"	157.616°	1'-0"	10'-2 1/8"	4'-9 7/8"	8'-6 1/8"	
WS404C	1'-6 1/8"	3'-0 7/8"	143.321°	6'-1"	157.655°	1'-0 1/8"	10'-2"	4'-9 3/4"	8'-6"	
WS405C WS406C WS407C	1'-6 1/8" 1'-6" 1'-6"	3'-0 7/8" 3'-1" 3'-1 1/8"	143.441° 143.553°	6'-0 5/8" 6'-0 1/4" 6'-0"	157.695° 157.737°	1'-0 1/4" 1'-0 3/8"	10'-1 7/8" 10'-1 3/4"	4'-9 3/4" 4'-9 5/8"	8'-5 3/4" 8'-5 1/2" 8'-5 1/4"	
WS408C WS409C	1'-5 7/8" 1'-5 3/4"	3'-1 1/4" 3'-1 1/4"	143.659° 143.755° 143.845°	5'-11 5/8" 5'-11 3/8"	157.774° 157.814° 157.852°	1'-0 1/2" 1'-0 5/8" 1'-0 3/4"	10'-1 5/8" 10'-1 1/2" 10'-1 3/8"	4'-9 5/8" 4'-9 1/2" 4'-9 3/8"	8'-5 1/8" 8'-4 7/8"	
WS410C	1'-5 3/4"	3'-1 3/8"	143.928°	5'-11"	157.890°	1'-0 7/8"	10'-1 1/4"	4'-9 3/8"	8'-4 5/8"	
WS411C	1'-5 5/8"	3'-1 3/8"	144.004°	5'-10 5/8"	157.927°	1'-1"	10'-1 1/8"	4'-9 1/4"	8'-4 3/8"	
WS412C	1'-5 5/8"	3'-1 1/2"	144.071°	5'-10 3/8"	157.963°	1'-1 1/4"	10'-1"	4'-9 1/4"	8'-4 1/8"	
WS413C	1'-5 1/2"	3'-1 1/2"	144.134°	5'-10 1/8"	158.001°	1'-1 3/8"	10'-0 7/8"	4'-9 1/8"	8'-3 7/8"	
WS414C	1'-5 3/8"	3'-1 5/8"	144.188°	5'-9 3/4"	158.036°	1'-1 1/2"	10'-0 7/8"	4'-9"	8'-3 3/4"	
WS415C	1'-5 3/8"	3'-1 5/8"	144.237°	5'-9 1/2"	158.070°	1'-1 5/8"	10'-0 3/4"	4'-9"	8'-3 1/2"	
WS416C	1'-5 1/4"	3'-1 5/8"	144.278°	5'-9 1/4"	158.105°	1'-1 3/4"	10'-0 5/8"	4'-8 7/8"	8'-3 1/4"	
WS417C	1'-5 1/4"	3'-1 3/4"	144.311°	5'-8 7/8"	158.140°	1'-1 7/8"	10'-0 1/2"	4'-8 7/8"	8'-3"	
WS418C	1'-5 1/8"	3'-1 3/4"	144.339°	5'-8 5/8"	158.175°	1'-2"	10'-0 3/8"	4'-8 3/4"	8'-2 3/4"	
WS419C	1'-5 1/8"	3'-1 3/4"	144.360°	5'-8 3/8"	158.208°	1'-2 1/8"	10'-0 1/4"	4'-8 5/8"	8'-2 1/2"	10'-1 1/8"
WS420C	1'-5"	3'-1 3/4"	144.375°	5'-8 1/8"	158.240°	1'-2 1/4"	10'-0 1/8"	4'-8 5/8"	8'-2 1/4"	
WS421C	1'-4 7/8"	3'-1 3/4"	144.381°	5'-7 7/8"	158.273°	1'-2 3/8"	10'-0"	4'-8 1/2"	8'-2"	
WS422C	1'-4 7/8"	3'-1 3/4"	144.382°	5'-7 5/8"	158.303°	1'-2 1/2"	9'-11 7/8"	4'-8 1/2"	8'-1 3/4"	10'-0 7/8"
WS423C	1'-4 3/4"	3'-1 3/4"	144.376°	5'-7 3/8"	158.335°	1'-2 5/8"	9'-11 3/4"	4'-8 3/8"	8'-1 1/2"	10'-0 5/8"
WS424C	1'-4 3/4"	3'-1 3/4"	144.363°	5'-7 1/8"	158.366°	1'-2 3/4"	9'-11 5/8"	4'-8 1/4"	8'-1 1/4"	10'-0 1/4"
WS425C	1'-4 5/8"	3'-1 3/4"	144.343°	5'-6 7/8"	158.398°	1'-3"	9'-11 1/2"	4'-8 1/4"	8'-1"	10'-0"
WS426C	1'-4 1/2"	3'-1 3/4"	144.318°	5'-6 5/8"	158.427°	1'-3 1/8"	9'-11 3/8"	4'-8 1/8"	8'-0 3/4"	9'-11 3/4"
WS427C	1'-4 1/2"	3'-1 3/4"	144.286°	5'-6 3/8"	158.457°	1'-3 1/4"	9'-11 1/4"	4'-8 1/8"	8'-0 1/2"	9'-11 1/2"
WS428C	1'-4 3/8"	3'-1 5/8"	144.246°	5'-6 1/8"	158.486°	1'-3 3/8"	9'-11 1/4"	4'-8"	8'-0 1/4"	9'-11 1/4"
WS429C	1'-4 3/8"	3'-1 5/8"	144.199°	5'-6"	158.516°	1'-3 1/2"	9'-11 1/8"	4'-7 7/8"	8'-0"	9'-11"
WS430C	1'-4 1/4"	3'-1 1/2"	144.146°	5'-5 3/4"	158.545°	1'-3 5/8"	9'-11"	4'-7 7/8"	7'-11 3/4"	9'-10 5/8"
WS431C WS432C WS433C	1'-4 1/4" 1'-4 1/8" 1'-4"	3'-1 1/2" 3'-1 1/2" 3'-1 3/8"	144.085° 144.019° 143.944°	5'-5 1/2" 5'-5 3/8" 5'-5 1/8"	158.571° 158.601° 158.627°	1'-3 3/4" 1'-4" 1'-4 1/8"	9'-10 7/8" 9'-10 3/4" 9'-10 5/8"		7'-11 1/2" 7'-11 1/4" 7'-11"	
WS434C	1'-4"	3'-1 1/4"	143.863°	5'-5"	158.654°	1'-4 1/4"	9'-10 1/2"	4'-7 1/2"	7'-10 3/4"	9'-9 1/2"
WS435C	1'-3 7/8"	3'-1 1/4"	143.775°	5'-4 3/4"	158.682°	1'-4 3/8"	9'-10 3/8"	4'-7 1/2"	7'-10 3/8"	9'-9 1/4"
WS436C	1'-3 7/8"	3'-1 1/8"	143.678°	5'-4 5/8"	158.708°	1'-4 1/2"	9'-10 1/4"	4'-7 3/8"	7'-10 1/8"	9'-9"
WS437C	1'-3 3/4"	3'-1"	143.576°	5'-4 3/8"	158.759°	1'-4 3/4"	9'-10 1/8"	4'-7 3/8"	7'-9 7/8"	9'-8 3/4"
WS438C	1'-3 5/8"	3'-1"	143.466°	5'-4 1/4"	158.759°	1'-4 7/8"	9'-10"	4'-7 1/4"	7'-9 5/8"	9'-8 3/8"
WS439C	1'-3 5/8"	3'-0 7/8"	143.347°	5'-4 1/8"	158.785°	1'-5"	9'-10"	4'-7 1/8"	7'-9 3/8"	9'-8 1/8"
WS449C WS440C WS441C WS442C	1'-3 1/2" 1'-3 1/2"	3'-0 3/4" 3'-0 5/8"	143.221° 143.087°	5'-4" 5'-3 3/4"	158.809° 158.835°	1'-5 1'-5 1/8" 1'-5 1/4" 1'-5 1/2"	9'-9 7/8" 9'-9 3/4"	4-7 1/8 4'-7 1/8" 4'-7" 4'-7"	7'-9 1/8" 7'-8 3/4"	9'-7 7/8" 9'-7 7/8" 9'-7 1/2" 9'-7 1/4"
WS443C WS444C	1'-3 3/8" 1'-3 3/8" 1'-3 1/4"	3'-0 1/2" 3'-0 3/8" 3'-0 1/4"	142.945° 142.795° 142.637°	5'-3 5/8" 5'-3 1/2" 5'-3 3/8"	158.858° 158.883° 158.907°	1'-5 5/8" 1'-5 3/4"	9'-9 5/8" 9'-9 1/2" 9'-9 3/8"	4'-6 7/8" 4'-6 3/4"	7'-8 1/2" 7'-8 1/4" 7'-8"	9'-7" 9'-6 5/8"
WS445C	1'-3 1/8"	3'-0 1/8"	142.470°	5'-3 1/4"	158.930°	1'-5 7/8"	9'-9 1/4"	4'-6 3/4"	7'-7 5/8"	9'-6 3/8"
WS446C	1'-3 1/8"	3'-0"	142.295°	5'-3 1/8"	158.954°	1'-6 1/8"	9'-9 1/8"	4'-6 5/8"	7'-7 3/8"	9'-6"
WS447C	1'-3"	2'-11 7/8"	142.112°	5'-3"	158.977°	1'-6 1/4"	9'-9 1/8"	4'-6 5/8"	7'-7 1/8"	9'-5 3/4"
WS448C	1'-3"	2'-11 5/8"	141.917°	5'-2 7/8"	158.999°	1'-6 3/8"	9'-9"	4'-6 1/2"	7'-6 7/8"	9'-5 3/8"
WS449C	1'-2 7/8"	2'-11 1/2"	141.716°	5'-2 3/4"	159.022°	1'-6 5/8"	9'-8 7/8"	4'-6 3/8"	7'-6 1/2"	9'-5 1/8"
WS450C	1'-2 3/4"	2'-11 3/8"	141.503°	5'-2 5/8"	159.043°	1'-6 3/4"	9'-8 3/4"	4'-6 3/8"	7'-6 1/4"	9'-4 7/8"
WS451C	1'-2 3/4"	2'-11 1/8"	141.282°	5'-2 5/8"	159.065°	1'-6 7/8"	9'-8 5/8"	4'-6 1/4"	7'-6"	9'-4 1/2"
WS452C	1'-2 5/8"	2'-11"	141.050°	5'-2 1/2"	159.087°	1'-7 1/8"	9'-8 1/2"	4'-6 1/4"	7'-5 5/8"	9'-4 1/4"
WS453C	1'-2 5/8"	2'-10 7/8"	140.808°	5'-2 3/8"	159.109°	1'-7 1/4"	9'-8 1/2"	4'-6 1/8"	7'-5 3/8"	9'-3 7/8"
WS454C	1'-2 1/2"	2'-10 5/8"	140.557°	5'-2 3/8"	159.128°	1'-7 3/8"	9'-8 3/8"	4'-6"	7'-5 1/8"	9'-3 5/8"
WS455C	1'-2 1/2"	2'-10 3/8"	140.294°	5'-2 1/4"	159.149°	1'-7 1/2"	9'-8 1/4"	4'-6"	7'-4 3/4"	9'-3 1/4"
WS456C	1'-2 3/8"	2'-10 1/4"	140.020°	5'-2 1/4"	159.170°	1'-7 3/4"	9'-8 1/8"	4'-5 7/8"	7'-4 1/2"	9'-3"
WS457C	1'-2 1/4"	2'-10"	139.734°	5'-2 1/8"	159.190°	1'-7 7/8"	9'-8"	4'-5 7/8"	7'-4 1/8"	9'-2 5/8"
WS458C	1'-2 1/4"	2'-9 7/8"	139.437°	5'-2 1/8"	159.209°	1'-8 1/8"	9'-8"	4'-5 3/4"	7'-3 7/8"	9'-2 3/8"
WS459C	1'-2 1/8"	2'-9 5/8"	139.127°	5'-2"	159.229°	1'-8 1/4"	9'-7 7/8"	4'-5 5/8"	7'-3 5/8"	9'-2"
WS460C	1'-2 1/8"	2'-9 3/8"	138.807°	5'-2"	159.248°	1'-8 3/8"	9'-7 3/4"	4'-5 5/8"	7'-3 1/4"	9'-1 5/8"
WS461C	1'-2"	2'-9 1/8"	138.471°	5'-1 7/8"	159.268°	1'-8 5/8"	9'-7 3/4"	4'-5 1/2"	7'-3"	9'-1 3/8"
WS462C	1'-1 7/8"	2'-9"	138.124°	5'-1 7/8"	159.286°	1'-8 3/4"	9'-7 5/8"	4'-5 1/2"	7'-2 5/8"	9'-1"
WS463C WS464C WS465C	1'-1 7/8" 1'-1 3/4" 1'-1 3/4"	2'-8 3/4" 2'-8 1/2" 2'-8 1/4"	137.762° 137.388° 136.996°	5'-1 7/8" 5'-1 7/8" 5'-1 7/8"	159.305° 159.324° 159.342°	1'-8 7/8" 1'-9 1/8" 1'-9 1/4"	9'-7 1/2" 9'-7 3/8" 9'-7 3/8"	4'-5 3/8" 4'-5 1/4" 4'-5 1/4"	7'-2 3/8" 7'-2 3/8" 7'-2" 7'-1 3/4"	9'-0 3/4" 9'-0 3/8" 9'-0'
WS466C WS467C WS468C	1'-1 5/8" 1'-1 5/8" 1'-1 5/8" 1'-1 1/2"	2'-8" 2'-8" 2'-7 3/4" 2'-7 1/2"	136.591° 136.170° 135.734°	5'-1 3/4" 5'-1 3/4" 5'-1 3/4"	159.342 159.360° 159.379° 159.395°	1'-9 1/2" 1'-9 5/8" 1'-9 3/4"	9'-7 1/4" 9'-7 1/4" 9'-7 1/4" 9'-7 1/8"	4-5 1/4 4'-5 1/8" 4'-5 1/8" 4'-5"	7'-1 3/4 7'-1 3/8" 7'-1 1/8" 7'-0 3/4"	8'-11 3/4" 8'-11 3/8" 8'-11"
WS469C WS470C	1'-1 3/8" 1'-1 3/8"	2'-7 1/4" 2'-7"	135.281° 134.810°	5'-1 3/4" 5'-1 3/4"	159.412° 159.430°	1'-10" 1'-10 1/8"	<u>9'-7 1/8"</u> 9'-7" 9'-7" 9'-6 7/8"	4'-5" 4'-4 7/8"	7'-0 1/2" 7'-0 1/8"	8'-10 3/4" 8'-10 3/8"
WS471C WS472C WS473C	1'-1 1/4" 1'-1 1/4" 1'-1 1/8"	2'-6 3/4" 2'-6 1/2" 2'-6 1/4"	134.321° 133.813° 133.288° 132.740°	5'-1 7/8" 5'-1 7/8" 5'-1 7/8"	159.446° 159.464° 159.480°	1'-10 3/8" 1'-10 1/2" 1'-10 3/4"	9'-6 7/8" 9'-6 3/4"	4'-4 3/4" 4'-4 3/4" 4'-4 5/8"	6'-11 3/4" 6'-11 1/2" 6'-11 1/8"	8'-10" 8'-9 3/4" 8'-9 3/8"
WS474C	1'-1"	2'-6"	132.740°	5'-1 7/8"	159.497°	1'-10 7/8"	9'-6 3/4"	4'-4 5/8"	6'-10 7/8"	8'-9"
WS475C	1'-1"	2'-5 5/8"	132.173°	5'-1 7/8"	159.513°	1'-11 1/8"	9'-6 3/4"	4'-4 1/2"	6'-10 1/2"	8'-8 5/8"
WS476C	1'-0 7/8"	2'-5 3/8"	131.586°	5'-2"	159.528°	1'-11 1/4"	9'-6 5/8"	4'-4 3/8"	6'-10 1/8"	8'-8 3/8"
WS477C	1'-0 7/8"	2'-5 1/8"	130.975°	5'-2"	159.544°	1'-11 1/2"	9'-6 5/8"	4'-4 3/8"	6'-9 7/8"	8'-8"
WS478C	1'-0 3/4"	2'-4 7/8"	130.342°	5'-2 1/8"	159.560°	1'-11 5/8"	9'-6 5/8"	4'-4 1/4"	6'-9 1/2"	8'-7 5/8"
WS479C	1'-0 3/4"	2'-4 5/8"	129.684°	5'-2 1/8"	159.575°	1'-11 7/8"	9'-6 1/2"	4'-4 1/4"	6'-9 1/8"	8'-7 1/4"
WS480C	1'-0 5/8"	2'-4 1/4"	129.002°	5'-2 1/4"	159.590°	2'-0"	9'-6 1/2"	4'-4 1/8"	6'-8 7/8"	8'-6 7/8"
WS481C	1'-0 1/2"	2'-4"	128.295°	5'-2 1/4"	159.605°	2'-0 1/4"	9'-6 1/2"	4'-4"	6'-8 1/2"	8'-6 5/8"
WS482C	1'-0 1/2"	2'-3 3/4"	127.562°	5'-2 3/8"	159.620°	2'-0 3/8"	9'-6 1/2"	4'-4"	6'-8 1/8"	8'-6 1/4"
WS483C	1'-0 3/8"	2'-3 1/2"	126.798°	5'-2 3/8"	159.634°	2'-0 5/8"	9'-6 1/2"	4'-3 7/8"	6'-7 3/4"	
WS484C	1'-0 3/8"	2'-3 1/4"	126.010°	5'-2 1/2"	159.649°	2'-0 3/4"	9'-6 1/2"	4'-3 7/8"	6'-7 1/2"	
WS485C	1'-0 1/4"	2'-2 7/8"	125.192°	5'-2 5/8"	159.664°	2'-1"	9'-6 1/2"	4'-3 3/4"	6'-7 1/8"	
WS486C WS487C WS488C	1'-0 1/8" 1'-0 1/8" 1'-0 1/8" 1'-0"	2'-2 5/8" 2'-2 3/8" 2'-2 1/8"	123.462° 123.462° 122.547°	5'-2 3/4" 5'-2 3/4" 5'-2 7/8"	159.678° 159.693° 159.738°	2'-1 1/8" 2'-1 3/8" 2'-1 5/8"	9'-6 1/2" 9'-6 1/2" 9'-6 1/2"	4'-3 5/8" 4'-3 5/8" 4'-3 1/2"	6'-6 3/4" 6'-6 3/8" 6'-6"	8'-4 3/4" 8'-4 3/8" 8'-4 1/8"
WS489B WS490B WS491B	2'-1 1/2" 2'-1 3/4" 2'-2 3/4"	2 -2 1/8 5'-2 7/8" 5'-2" 5'-0 3/8"	122.547 159.848° 159.955° 160.055°	2'-1 7/8" 2'-2 1/4" 2'-2 1/2"		_ 10/0	9-0 1/2 7'-4 3/4" 7'-4 1/4" 7'-2 7/8"	4-3 1/2 4'-3 1/2" 4'-3 3/8" 4'-3 1/4"	6'-5 3/4" 6'-5 3/8" 6'-5"	8'-3 3/4" 8'-3 3/8" 8'-3 3/8"
WS492B WS493B	2'-3 7/8" 2'-4 7/8"	4'-10 3/4" 4'-9 1/8"	160.154° 160.248°	2'-2 7/8" 2'-3 1/8"			7'-1 5/8" 7'-0 1/4"	4'-3 1/4" 4'-3 1/8"	6'-4 5/8" 6'-4 1/4"	8'-2 5/8" 8'-2 1/4"
WS494B WS495B WS496B	2'-5 7/8" 2'-6 3/4" 2'-7 3/4"	4'-7 1/2" 4'-6" 4'-4 1/2"	160.339° 160.425° 160.510°	2'-3 1/2" 2'-3 3/4" 2'-4 1/8"			6'-11" 6'-9 3/4" 6'-8 1/2"	4'-3 1/8" 4'-3 1/8" 4'-3 1/8"	6'-3 7/8" 6'-3 1/2" 6'-3 1/4"	8'-1 7/8" 8'-1 1/2" 8'-1 1/8"
WS497B	2'-8 5/8" 2'-9 1/2"	4'-3" 4'-1 1/2"	160.591° 160.668°	2'-4 3/8" 2'-4 3/4" 2'-5"			6'-7 3/8" 6'-6 1/8" 6'-5"	4'-3 1/8" 4'-3 1/8" 4'-3 1/8"	6'-2 7/8" 6'-2 1/2" 6'-2 1/8"	8'-0 3/4" 8'-0 3/8" 8'-0"
WS498B WS499B WS500B	2'-10 3/8" 2'-11 1/4"	4'-0" 3'-10 5/8"	160.742° 160.815°	2-5 2'-5 1/4"			6'-3 7/8"	4'-3 1/8"	6'-1 3/4"	0-0 7'-11 5/8"

	WE	ST	BR	IDG	iΕ -	SC		HR	UN	
<u>ID</u>	<u>P01V</u>	<u>L01</u>	<u>A01</u>	<u>L02</u>	<u>A02</u>	<u>L03</u>	<u>LTOT</u>	<u>ANV</u>	<u>H03V</u>	<u>H04</u>
WS504B	3'-2 1/4"	3'-5 1/4"	161.075°	2'-6 1/2"			5'-11 3/4"	4'-3 1/8"	6'-0 1/4"	7'-1
WS505B	3'-3"	3'-3 7/8"	161.134°	2'-6 3/4"			5'-10 3/4"	4'-3"	5'-11 7/8"	7'-9 5
WS506B	3'-3 5/8"	3'-2 5/8"	161.190°	2'-7 1/8"			5'-9 3/4"	4'-3"	5'-11 1/2"	7'-9 1/
WS507B	3'-4 1/4"	3'-1 3/8"	161.244°	2'-7 3/8"			5'-8 7/8"	4'-3"	5'-11 1/8"	7'-8 7
WS508B	3'-4 7/8"	3'-0 1/4"	161.296°	2'-7 3/4"			5'-7 7/8"	4'-3"	5'-10 3/4"	7'-8 1/
WS509B	3'-5 3/8"	2'-11"	161.346°	2'-8"			5'-7"	4'-3"	5'-10 3/8"	7'-8 1/
WS510B	3'-6"	2'-9 7/8"	161.393°	2'-8 1/4"			5'-6 1/8"	4'-3"	5'-10"	7'-7 3/
WS511B	3'-6 1/2"	2'-8 3/4"	161.439°	2'-8 5/8"			5'-5 3/8"	4'-3"	5'-9 5/8"	7'-7 1/
WS512B	3'-7"	2'-7 3/4"	161.482°	2'-8 7/8"			5'-4 1/2"	4'-3"	5'-9 1/8"	7'-6 7/
WS513B	3'-7 1/2"	2'-6 5/8"	161.524°	2'-9 1/8"			5'-3 3/4"	4'-3"	5'-8 3/4"	7'-6 1/
WS514B	3'-8"	2'-5 5/8"	161.564°	2'-9 1/2"			5'-3"	4'-3"	5'-8 3/8"	7'-6 1/
WS515B	3'-8 3/8"	2'-4 5/8"	161.602°	2'-9 3/4"			5'-2 1/4"	4'-3"	5'-8"	7'-5 3/
WS516B	3'-8 3/4"	2'-3 5/8"	161.637°	2'-10"			5'-1 5/8"	4'-3"	5'-7 5/8"	7'-5 1/
WS517B	3'-9 1/8"	2'-2 5/8"	161.672°	2'-10 1/4"			5'-0 7/8"	4'-3"	5'-7 1/4"	7'-4 7/
WS518B	3'-9 1/2"	2'-1 3/4"	161.705°	2'-10 5/8"			5'-0 1/4"	4'-3"	5'-6 7/8"	7'-4 1/
WS519B	3'-9 3/4"	2'-0 3/4"	161.736°	2'-10 7/8"			4'-11 5/8"	4'-3"	5'-6 3/8"	7'-
WS520B	3'-10 1/8"	1'-11 7/8"	161.765°	2'-11 1/8"			4'-11"	4'-3"	5'-6"	7'-3 5/
WS521B	3'-10 3/8"	1'-11"	161.794°	2'-11 3/8"			4'-10 1/2"	4'-3"	5'-5 5/8"	7'-3 1/
WS522B	3'-10 5/8"	1'-10 1/4"	161.820°	2'-11 3/4"			4'-9 7/8"	4'-3"	5'-5 1/4"	7'-2 7/
WS523B	3'-10 3/4"	1'-9 3/8"	161.845°	3'-0"			4'-9 3/8"	4'-2 7/8"	5'-4 3/4"	7'-2 3/
WS524B	3'-11"	1'-8 5/8"	161.869°	3'-0 1/4"			4'-8 7/8"	4'-2 7/8"	5'-4 3/8"	7'-
WS525B	3'-11 1/8"	1'-7 7/8"	161.891°	3'-0 1/2"			4'-8 3/8"	4'-2 7/8"	5'-4"	7'-1 5/
WS526B	3'-11 1/4"	1'-7 1/8"	161.912°	3'-0 7/8"			4'-8"	4'-2 7/8"	5'-3 5/8"	7'-1 1/
WS527B	3'-11 3/8"	1'-6 1/2"	161.932°	3'-1 1/8"			4'-7 5/8"	4'-2 7/8"	5'-3 1/8"	7'-0 3/
WS528B	3'-11 3/8"	1'-5 3/4"	161.951°	3'-1 3/8"			4'-7 1/8"	4'-2 7/8"	5'-2 3/4"	7'-0 1/
WS529B	3'-11 1/2"	1'-5 1/8"	161.967°	3'-1 5/8"			4'-6 3/4"	4'-2 7/8"	5'-2 3/8"	6'-11 7/
WS530B	3'-11 1/2"	1'-4 1/2"	161.983°	3'-1 7/8"			4'-6 1/2"	4'-2 7/8"	5'-1 7/8"	6'-11 1/
WS531B	3'-11 1/2"	1'-4"	161.998°	3'-2 1/8"			4'-6 1/8"	4'-2 7/8"	5'-1 1/2"	6'-1
WS532B	3'-11 1/2"	1'-3 3/8"	162.011°	3'-2 1/2"			4'-5 7/8"	4'-2 7/8"	5'-1 1/8"	6'-10 5/
WS533B	3'-11 3/8"	1'-2 7/8"	162.023°	3'-2 3/4"			4'-5 5/8"	4'-2 7/8"	5'-0 5/8"	6'-10 1/

RAIL VERT TYPE NOTES

1. RAIL "PO1V" ELEVATIONS SHALL BE USED FOR VERTICAL ALIGNMENT OF MEMBERS DURING SHOP ASSEMBLY.

2. VERTICAL DIMENSIONS OR ELEVATIONS STATED IN RAIL VERT SCHEDULES ARE TO BASELINE ELEVATION FOR EACH RAIL RUN. THE BASELINE ELEVATION IS ARBITRARILY SET TO 1'-0" BELOW THE LOWEST POINT OF EACH RAIL RUN AND IS UNIQUE TO EACH RAIL RUN.

3. ANCHORAGE SPACING LOGIC IS SPECIFIED IN DOCUMENTS, BUT ANCHORAGE IS NOT PRESENT AT EVERY RAIL VERT. BECAUSE SPECIFIC ANCHORAGE PLAN LOCATIONS ARE LAID OUT BY FABRICATOR, "ANV" ELEVATION HAS BEEN PROVIDED FOR ALL RAIL VERTS.

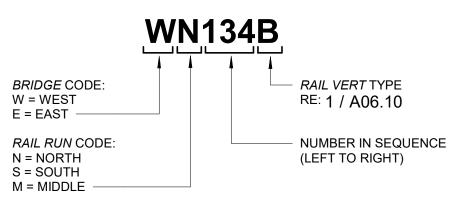
RAIL VERT TYPE LEGEND

"#" SYMBOL REPRESENTS A NUMBER

H0# - RAIL HORIZONTAL

A0# - ANGLE BETWEEN ADJACENT RAIL VERT SEGMENTS AN01 - CENTERLINE OF ANCHORAGE

<u>RAIL VERT ID LOGIC</u>





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Pkw. MO RIDGE N N S REV DATE DESCRIPTION ROGE PROJECT NUMBER 12720.62 DATE 2020.09.17 ISSUE FOR CONSTRUCTION DESIGNED: NJC DRAWN: NJC REVIEWED: CLR SHEET TITLE SCHEDULE - WEST BRIDGE RAIL VERTS - SOUTH RAIL RUN SHEET NUMBER A06.12

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Engineering COA# E-92

Architecture COA# A-45

Land Sureveying COA# LS-8

- P0# POINT AT CENTERPOINT OF RAIL VERT SEGMENT, LOCATED AT EITHER: RAIL VERT ENDS (TOP/BOTTOM) OR RAIL VERT BREAKS.
- P0#V POINT VERTICAL DISTANCE TO BASELINE ELEVATION
- L0# RAIL VERT SEGEMENT (LEG) OR LENGTH OF SEGMENT (LEG)
- H0#V RAIL HORIZONTAL VERTICAL DISTANCE TO BASELINE ELEVATION
- ANV ANCHORAGE VERTICAL DISTANCE TO BASELINE ELEVATION

- 1. RE: A01.00 FOR PROJECT TERMINOLOGY.

- a. RAIL VERT CONFIGURATION TYPES.
- 4. RE: RAIL SCHEDULES FOR:
- d. ANCHORAGE LOCATIONS
- 2. RE: RAIL ELEVATIONS FOR: a. RAIL VERT LAYOUT b. RAIL HORIZONTAL LAYOUT 3. RE: 1 / A06.10 FOR:
- a. *RAIL VERT* VERTICAL LOCATION RELATIVE TO EACH RAIL RUN BASELINE ELEVATION
- b. RAIL VERT LEG LENGTHS
- c. RAIL VERT BEND ANGLES
- e. RAIL HORIZONTAL LOCATIONS
- RAIL REFERENCE
- c. RAIL VERT BENDS LAYOUT.

<u>ID</u>	WE <u>P01V</u>	ST	BRID	G		MIC <u><i>L03</i></u>	DDL	E R <u>ANV</u>		<u>H04</u>
WM1A WM2A	1'-6 3/8" 1'-6 1/2"	0'-4 1/8" 0'-4 5/8"					0'-4 1/8"	1'-11 3/8" 1'-11 1/2"	1'-9" 1'-9 3/8"	
WM3A WM4A	1'-6 1/2" 1'-6 5/8"	0'-5 1/8" 0'-5 3/4"					0'-5 1/8" 0'-5 3/4"	1'-11 1/2" 1'-11 5/8"	1'-9 7/8" 1'-10 1/4"	
WM5A WM6A WM7A	1'-6 5/8" 1'-6 3/4" 1'-6 3/4"	0'-6 1/4" 0'-6 3/4" 0'-7 1/4"					0'-6 1/4" 0'-6 3/4" 0'-7 1/4"	1'-11 5/8" 1'-11 3/4"	1'-10 3/4" 1'-11 1/8" 1'-11 1/2"	
WM7A WM8A WM9A	1-6 3/4 1'-6 7/8" 1'-6 7/8"	0'-7 3/4"					0'-7 3/4"	1'-11 3/4" 1'-11 7/8" 1'-11 7/8"	2'-0"	
WM10A WM11A	1'-7"	0'-8 7/8" 0'-9 3/8"					0'-8 7/8" 0'-9 3/8"	2'-0" 2'-0"	2'-0 3/4" 2'-1 1/4"	
WM12A WM13A WM14A	1'-7 1/8" 1'-7 1/8"	0'-9 7/8" 0'-10 1/2"					0'-9 7/8" 0'-10 1/2"	2'-0 1/8" 2'-0 1/8" 2'-0 1/4"	2'-1 5/8" 2'-2"	
VM14A VM15A VM16A	1'-7 1/4" 1'-7 1/4" 1'-7 3/8"	0'-11" 0'-11 1/2" 1'-0"					0'-11" 0'-11 1/2" 1'-0"	2'-0 1/4" 2'-0 1/4" 2'-0 3/8"	2'-2 3/8" 2'-2 7/8" 2'-3 1/4"	
WM17A WM18A	1'-7 3/8" 1'-7 1/2"	1'-0 1/2" 1'-1 1/8"					1'-0 1/2" 1'-1 1/8"	2'-0 3/8" 2'-0 1/2"	2'-3 5/8" 2'-4"	
WM19A WM20A	1'-7 1/2" 1'-7 5/8"	1'-1 5/8" 1'-2 1/8"					1'-1 5/8" 1'-2 1/8"	2'-0 1/2" 2'-0 5/8"	2'-4 3/8" 2'-4 7/8"	
WM21A WM22A WM23A	1'-7 5/8" 1'-7 5/8" 1'-7 3/4"	1'-2 5/8" 1'-3 1/4" 1'-3 3/4"					1'-2 5/8" 1'-3 1/4" 1'-3 3/4"	2'-0 5/8" 2'-0 5/8" 2'-0 3/4"	2'-5 1/4" 2'-5 5/8" 2'-6"	
WM24A WM25A	1'-7 3/4" 1'-7 7/8"	1'-4 1/4" 1'-4 3/4"					1'-4 1/4" 1'-4 3/4"	2'-0 3/4" 2'-0 7/8"	2'-6 3/8" 2'-6 3/4"	
WM26A WM27A	1'-7 7/8" 1'-8"	1'-5 1/4" 1'-5 7/8"					1'-5 1/4" 1'-5 7/8"	2'-0 7/8" 2'-1"	2'-7 1/8" 2'-7 1/2"	
WM28A WM29A WM30A	1'-8" 1'-8 1/8" 1'-8 1/8"	1'-6 3/8" 1'-6 7/8" 1'-7 3/8"					1'-6 3/8" 1'-6 7/8" 1'-7 3/8"	2'-1" 2'-1 1/8" 2'-1 1/8"	2'-8" 2'-8 3/8" 2'-8 3/4"	
WM31A WM32A	1'-8 1/4" 1'-8 1/4"	1'-8"					1'-8"	2'-1 1/4" 2'-1 1/4"	2'-9 1/8" 2'-9 1/2"	
NM33A NM34A	1'-8 3/8" 1'-8 3/8"	1'-9" 1'-9 1/2"					1'-9" 1'-9 1/2"	2'-1 3/8" 2'-1 3/8"	2'-9 7/8" 2'-10 1/4"	
WM35A WM36A	1'-8 1/2" 1'-8 1/2"	1'-10" 1'-10 5/8"					1'-10" 1'-10 5/8"	2'-1 1/2" 2'-1 1/2"	2'-10 5/8" 2'-11"	
WM37A WM38A WM39A	1'-8 5/8" 1'-8 5/8" 1'-8 3/4"	1'-11 1/8" 1'-11 5/8" 2'-0 1/8"					1'-11 1/8" 1'-11 5/8" 2'-0 1/8"	2'-1 5/8" 2'-1 5/8" 2'-1 3/4"	2'-11 3/8" 2'-11 3/4" 3'-0"	
VM40A VM41A	1'-8 3/4" 1'-8 7/8"	2'-0 3/4" 2'-1 1/4"					2'-0 3/4" 2'-1 1/4"	2'-1 3/4" 2'-1 7/8"	3'-0 3/8" 3'-0 3/4"	
WM42A WM43A	1'-8 7/8" 1'-9"	2'-1 3/4" 2'-2 1/4"					2'-1 3/4" 2'-2 1/4"	2'-1 7/8" 2'-2"	3'-1 1/8" 3'-1 1/2"	
NM44A NM45A NM46A	1'-9" 1'-9 1/8" 1'-9 1/8"	2'-2 3/4" 2'-3 3/8" 2'-3 7/8"					2'-2 3/4" 2'-3 3/8" 2'-3 7/8"	2'-2" 2'-2 1/8" 2'-2 1/8"	3'-1 7/8" 3'-2 1/4" 3'-2 5/8"	
NM40A NM47A NM48A	1'-9 1/8" 1'-9 1/8"	2'-4 3/8" 2'-4 7/8"					2'-3 7/8 2'-4 3/8" 2'-4 7/8"	2'-2 1/8" 2'-2 1/8" 2'-2 1/4"	3'-2 5/8 3'-2 7/8" 3'-3 1/4"	
VM49A VM50A	1'-9 1/4" 1'-9 3/8"	2'-5 1/2" 2'-6"					2'-5 1/2" 2'-6"	2'-2 1/4" 2'-2 3/8"	3'-3 5/8" 3'-4"	
VM63A VM64A	1'-10 5/8" 1'-10 5/8"	2'-10 1/2" 2'-10 7/8"					2'-10 1/2" 2'-10 7/8"	2'-3 5/8" 2'-3 5/8"	3'-8 3/8" 3'-8 5/8"	
NM65A NM66A NM67A	1'-10 3/4" 1'-10 7/8" 1'-10 7/8"	2'-11 1/4" 2'-11 5/8" 2'-11 7/8"					2'-11 1/4" 2'-11 5/8" 2'-11 7/8"	2'-3 3/4" 2'-3 7/8" 2'-3 7/8"	3'-9" 3'-9 1/4" 3'-9 5/8"	
WM68A WM69A	1'-11" 1'-11"	<u>3'-0 1/4"</u> 3'-0 5/8"					3'-0 1/4" 3'-0 5/8"	2'-4" 2'-4"	3'-9 7/8" 3'-10 1/4"	
WM70A WM71A	1'-11 1/8" 1'-11 1/8"	3'-1" 3'-1 1/4"					3'-1" 3'-1 1/4"	2'-4 1/8" 2'-4 1/8"	3'-10 1/2" 3'-10 7/8"	
NM72A NM73A NM74A	1'-11 1/4" 1'-11 3/8" 1'-11 3/8"	3'-1 5/8" 3'-2" 3'-2 1/4"					3'-1 5/8" 3'-2" 3'-2 1/4"	2'-4 1/4" 2'-4 3/8" 2'-4 3/8"	3'-11 1/8" 3'-11 1/2" 3'-11 3/4"	
WM74A WM75A WM76A	1'-11 3/8 1'-11 1/2" 1'-11 1/2"	3-2 1/4 3'-2 5/8" 3'-3"					3-2 1/4 3'-2 5/8" 3'-3"	2'-4 3/8 2'-4 1/2" 2'-4 1/2"	4'-0 1/8" 4'-0 3/8"	
WM77A WM78A	1'-11 5/8" 1'-11 5/8"	3'-3 1/4" 3'-3 5/8"					3'-3 1/4" 3'-3 5/8"	2'-4 5/8" 2'-4 5/8"	4'-0 3/4" 4'-1"	
VM79A VM80A	1'-11 3/4" 1'-11 7/8"	3'-4" 3'-4 1/4"					3'-4" 3'-4 1/4"	2'-4 3/4" 2'-4 7/8"	4'-1 3/8" 4'-1 5/8"	
NM81A NM82A NM83A	1'-11 7/8" 2'-0" 2'-0"	3'-4 5/8" 3'-4 7/8" 3'-5 1/4"					3'-4 5/8" 3'-4 7/8" 3'-5 1/4"	2'-4 7/8" 2'-5" 2'-5"	4'-1 7/8" 4'-2 1/4" 4'-2 1/2"	
VM84A VM85A	2'-0 1/8" 2'-0 1/8"	3'-5 1/2" 3'-5 7/8"					3'-5 1/2" 3'-5 7/8"	2'-5 1/8" 2'-5 1/8"	4'-2 3/4" 4'-3 1/8"	
WM86A WM87A	2'-0 1/4" 2'-0 1/4"	3'-6 1/8" 3'-6 1/2"					3'-6 1/8" 3'-6 1/2"	2'-5 1/4" 2'-5 1/4"	4'-3 3/8" 4'-3 5/8"	
NM88A NM89A NM90A	2'-0 3/8" 2'-0 1/2" 2'-0 1/2"	3'-6 3/4" 3'-7 1/8" 3'-7 3/8"					3'-6 3/4" 3'-7 1/8" 3'-7 3/8"	2'-5 3/8" 2'-5 1/2" 2'-5 1/2"	4'-3 7/8" 4'-4 1/4" 4'-4 1/2"	
VM91A VM92A	2'-0 1/2 2'-0 5/8" 2'-0 5/8"	<u>3'-7 3/8</u> <u>3'-7 3/4"</u> <u>3'-8"</u>					3'-7 3/4" 3'-8"	2'-5 5/8" 2'-5 5/8"	4'-4 1/2 4'-4 3/4" 4'-5"	
VM93A VM94A	2'-0 3/4" 2'-0 3/4"	3'-8 1/4" 3'-8 5/8"					3'-8 1/4" 3'-8 5/8"	2'-5 3/4" 2'-5 3/4"	4'-5 3/8" 4'-5 5/8"	
VM95A VM96A	2'-0 7/8" 2'-1"	3'-8 7/8" 3'-9 1/8"					3'-8 7/8" 3'-9 1/8" 3'-9 1/2"	2'-5 7/8" 2'-6"	4'-5 7/8" 4'-6 1/8"	
VM97A VM98A VM99A	2'-1" 2'-1 1/8" 2'-1 1/8"	3'-9 1/2" 3'-9 3/4" 3'-10"					3'-9 1/2" 3'-9 3/4" 3'-10"	2'-6" 2'-6 1/8" 2'-6 1/8"	4'-6 3/8" 4'-6 5/8" 4'-7"	
/M100A /M101A	2'-1 1/4" 2'-1 1/4"	3'-10 1/4" 3'-10 5/8"					3'-10 1/4" 3'-10 5/8"	2'-6 1/4" 2'-6 1/4"	4'-7 1/4" 4'-7 1/2"	
/M102A /M103A	2'-1 3/8" 2'-1 3/8"	3'-10 7/8" 3'-11 1/8"					3'-10 7/8" 3'-11 1/8"	2'-6 3/8" 2'-6 3/8"	4'-7 3/4" 4'-8"	
/M104A /M105A /M106A	2'-1 1/2" 2'-1 5/8" 2'-1 5/8"	3'-11 3/8" 3'-11 5/8" 4'-0"					3'-11 3/8" 3'-11 5/8" 4'-0"	2'-6 1/2" 2'-6 5/8" 2'-6 5/8"	4'-8 1/4" 4'-8 1/2" 4'-8 3/4"	
VM107A VM108A	2'-1 3/4" 2'-1 3/4"	4'-0 1/4" 4'-0 1/2"					4'-0 1/4" 4'-0 1/2"	2'-6 3/4" 2'-6 3/4"	4'-9" 4'-9 1/4"	
VM109A VM110A	2'-1 7/8" 2'-1 7/8"	4'-0 3/4" 4'-1"					4'-0 3/4" 4'-1"	2'-6 7/8" 2'-6 7/8"	4'-9 1/2" 4'-9 3/4"	
VM111A VM112A VM113A	2'-2" 2'-2" 2'-2 1/8"	4'-1 1/4" 4'-1 1/2" 4'-1 3/4"					4'-1 1/4" 4'-1 1/2" 4'-1 3/4"	2'-7" 2'-7" 2'-7 1/8"	4'-10" 4'-10 1/4" 4'-10 1/2"	
VM114A VM115A	2'-2 1/4" 2'-2 1/4"	4'-2"					4'-2" 4'-2 1/4"	2'-7 1/4" 2'-7 1/4"	4'-10 3/4" 4'-11"	
VM116A VM117A	2'-2 3/8" 2'-2 3/8"	4'-2 1/2" 4'-2 3/4"					4'-2 1/2" 4'-2 3/4"	2'-7 3/8" 2'-7 3/8"	4'-11 1/4" 4'-11 1/2"	
VM118A VM119A	2'-2 3/8" 2'-2 1/2"	4'-3" 4'-3 1/4"					4'-3" 4'-3 1/4"	2'-7 3/8" 2'-7 1/2"	4'-11 3/4" 4'-11 7/8"	
VM120A VM121A VM122A	2'-2 1/2" 2'-2 5/8" 2'-2 5/8"	4'-3 5/8" 4'-3 7/8" 4'-4 1/8"					4'-3 5/8" 4'-3 7/8" 4'-4 1/8"	2'-7 1/2" 2'-7 5/8" 2'-7 5/8"	5'-0 1/8" 5'-0 3/8" 5'-0 5/8"	
VM123A VM124A	2'-2 5/8" 2'-2 3/4"	4'-4 3/8" 4'-4 5/8"					4'-4 3/8" 4'-4 5/8"	2'-7 5/8" 2'-7 3/4"	5'-0 7/8" 5'-1 1/8"	
VM125A VM126A	2'-2 3/4" 2'-2 7/8"	4'-4 7/8" 4'-5 1/8"					4'-4 7/8" 4'-5 1/8"	2'-7 3/4" 2'-7 7/8"	5'-1 1/4" 5'-1 1/2"	
VM127A VM128A VM129A	2'-2 7/8" 2'-2 7/8" 2'-3"	4'-5 3/8" 4'-5 5/8" 4'-5 3/4"					4'-5 3/8" 4'-5 5/8" 4'-5 3/4"	2'-7 7/8" 2'-7 7/8" 2'-8"	5'-1 3/4" 5'-2" 5'-2 1/8"	
VM130A VM131A	2'-3" 2'-3 1/8"	4'-6" 4'-6 1/4"					4'-6" 4'-6 1/4"	2'-8" 2'-8 1/8"	5'-2 3/8" 5'-2 5/8"	
VM132A VM133A	2'-3 1/8" 2'-3 1/8"	4'-6 1/2" 4'-6 3/4"					4'-6 1/2" 4'-6 3/4"	2'-8 1/8" 2'-8 1/8"	5'-2 3/4" 5'-3"	
VM134A VM135A VM136A	2'-3 1/4" 2'-3 1/4" 2'-3 1/4"	4'-7" 4'-7 1/4" 4'-7 3/8"					4'-7" 4'-7 1/4" 4'-7 3/8"	2'-8 1/4" 2'-8 1/4" 2'-8 1/4"	5'-3 1/4" 5'-3 3/8" 5'-3 5/8"	
VM137A VM138A	2'-3 3/8" 2'-3 3/8"	4'-7 5/8"					4'-7 5/8" 4'-7 7/8"	2'-8 3/8" 2'-8 3/8"	5'-3 7/8" 5'-4"	
VM139A VM140A	2'-3 1/2" 2'-3 1/2"	4'-8 1/8" 4'-8 3/8"					4'-8 1/8" 4'-8 3/8"	2'-8 1/2" 2'-8 1/2"	5'-4 1/4" 5'-4 1/2"	
VM141A VM142A	2'-3 1/2" 2'-3 5/8"	4'-8 1/2" 4'-8 3/4"					4'-8 1/2" 4'-8 3/4"	2'-8 1/2" 2'-8 5/8"	5'-4 5/8" 5'-4 7/8"	
VM143A VM144A VM145A	2'-3 5/8" 2'-3 3/4" 2'-3 3/4"	4'-9" 4'-9 1/8" 4'-9 3/8"					4'-9" 4'-9 1/8" 4'-9 3/8"	2'-8 5/8" 2'-8 3/4" 2'-8 3/4"	5'-5" 5'-5 1/4" 5'-5 3/8"	
VM146A VM147A	2'-3 3/4" 2'-3 7/8"	4'-9 5/8" 4'-9 3/4"					4'-9 5/8" 4'-9 3/4"	2'-8 3/4" 2'-8 7/8"	5'-5 5/8" 5'-5 3/4"	
VM148A VM149A	2'-3 7/8" 2'-4"	4'-10" 4'-10 1/8"					4'-10" 4'-10 1/8"	2'-8 7/8" 2'-9"	5'-6" 5'-6 1/8"	
VM150A VM151A VM152A	2'-4" 2'-4" 2'-4 1/8"	4'-10 3/8" 4'-10 5/8" 4'-10 3/4"					4'-10 3/8" 4'-10 5/8" 4'-10 3/4"	2'-9" 2'-9" 2'-9 1/8"	5'-6 3/8" 5'-6 1/2" 5'-6 3/4"	
VM153A VM154A	2'-4 1/8" 2'-4 1/8"	4'-11" 4'-11 1/8"					4'-11" 4'-11 1/8"	2'-9 1/8" 2'-9 1/8"	5'-6 7/8" 5'-7"	
VM155A VM156A	2'-4 1/4" 2'-4 1/4"	4'-11 3/8" 4'-11 1/2"					4'-11 3/8" 4'-11 1/2"	2'-9 1/4" 2'-9 1/4"	5'-7 1/4" 5'-7 3/8"	
VM157A VM158A	2'-4 3/8" 2'-4 3/8" 2'-4 3/8"	4'-11 5/8" 4'-11 7/8" 5'-0"					4'-11 5/8" 4'-11 7/8" 5'-0"	2'-9 3/8" 2'-9 3/8" 2'-9 3/8"	5'-7 1/2" 5'-7 3/4" 5'-7 7/8"	
VM159A VM160A VM161A	2'-4 3/8" 2'-4 1/2" 2'-4 1/2"	5'-0" 5'-0 1/4" 5'-0 3/8"					5'-0" 5'-0 1/4" 5'-0 3/8"	2'-9 3/8" 2'-9 1/2" 2'-9 1/2"	5'-7 7/8" 5'-8" 5'-8 1/4"	
VM161A VM162A VM163A	2'-4 1/2" 2'-4 5/8" 2'-4 5/8"	5'-0 3/8" 5'-0 1/2" 5'-0 3/4"					5'-0 3/8" 5'-0 1/2" 5'-0 3/4"	2'-9 1/2" 2'-9 5/8" 2'-9 5/8"	5'-8 1/4" 5'-8 3/8" 5'-8 1/2"	
VM164A VM165A	2'-4 5/8" 2'-4 3/4"	5'-0 7/8" 5'-1"					5'-0 7/8" 5'-1"	2'-9 5/8" 2'-9 3/4"	5'-8 3/4" 5'-8 7/8"	
VM166A VM167A	2'-4 3/4" 2'-4 3/4"	5'-1 1/4" 5'-1 3/8"					5'-1 1/4" 5'-1 3/8"	2'-9 3/4" 2'-9 3/4"	5'-9" 5'-9 1/8"	
VM168A VM169A VM170A	2'-4 7/8" 2'-4 7/8" 2'-5"	5'-1 1/2" 5'-1 5/8" 5'-1 7/8"					5'-1 1/2" 5'-1 5/8" 5'-1 7/8"	2'-9 7/8" 2'-9 7/8" 2'-10"	5'-9 3/8" 5'-9 1/2" 5'-9 5/8"	
VM170A VM171A VM172A	2'-5" 2'-5" 2'-5"	5'-1 7/8" 5'-2" 5'-2 1/8"					5'-1 7/8" 5'-2" 5'-2 1/8"	2'-10" 2'-10" 2'-10"	5'-9 5/8" 5'-9 3/4" 5'-9 7/8"	
VM173A VM174A	2'-5 1/8" 2'-5 1/8"	5'-2 1/4" 5'-2 3/8"					5'-2 1/4" 5'-2 3/8"	2'-10 1/8" 2'-10 1/8"	5'-10" 5'-10 1/4"	
	2'-5 1/4"	5'-2 5/8" 5'-2 3/4"					5'-2 5/8" 5'-2 3/4"	2'-10 1/4" 2'-10 1/4"	5'-10 3/8" 5'-10 1/2"	
VM175A VM176A VM177A	2'-5 1/4" 2'-5 1/4"	5'-2 7/8"					5'-2 7/8"	2'-10 1/4"	5'-10 5/8"	

	WE	ST	BR	DG	E -
<u>ID</u>	<u>P01V</u>	<u>L01</u>	<u>A01</u>	<u>L02</u>	<u>A02</u>
WM181A WM182A	2'-5 3/8" 2'-5 3/8"	5'-3 1/2" 5'-3 3/4"			
WM183A WM184A WM185A	2'-5 3/8" 2'-5 3/8" 2'-5 3/8"	5'-3 7/8" 5'-4" 5'-4 1/8"			
WM186A WM187A	2'-5 3/8" 2'-5 1/2"	5'-4 1/4" 5'-4 1/2"			
WM188A WM189A WM190A	2'-5 1/2" 2'-5 1/2" 2'-5 1/2"	5'-4 5/8" 5'-4 3/4" 5'-4 7/8"			
WM191A WM192A WM193A	2'-5 1/2" 2'-5 1/2" 2'-5 1/2"	5'-5" 5'-5 1/8" 5'-5 1/4"			
WM194A WM195A WM196A	2'-5 5/8" 2'-5 5/8" 2'-5 5/8"	5'-5 3/8" 5'-5 1/2" 5'-5 5/8"			
WM197A WM198A	2'-5 5/8" 2'-5 5/8"	5'-5 3/4" 5'-5 7/8"			
WM199A WM200A WM201A	2'-5 5/8" 2'-5 5/8" 2'-5 3/4"	5'-6" 5'-6 1/8" 5'-6 1/4"			
WM202A WM203A WM204A	2'-5 3/4" 2'-5 3/4" 2'-5 3/4"	5'-6 3/8" 5'-6 1/2" 5'-6 5/8"			
WM205A WM206A WM207A	2'-5 3/4" 2'-5 3/4" 2'-5 3/4"	5'-6 3/4" 5'-6 7/8" 5'-7"			
WM208A WM209A	2'-5 7/8" 2'-5 7/8"	5'-7" 5'-7 1/8"			
WM210A WM211A WM212A	2'-5 7/8" 2'-5 7/8" 2'-5 7/8"	5'-7 1/4" 5'-7 3/8" 5'-7 1/2"			
WM213A WM214A WM215A	2'-5 7/8" 2'-5 7/8" 2'-6"	5'-7 1/2" 5'-7 5/8" 5'-7 3/4"			
WM216A WM217A WM218A	2'-6" 2'-6" 2'-6"	5'-7 3/4" 5'-7 7/8" 5'-8"			
WM219A WM220A	2'-6" 2'-6"	5'-8" 5'-8 1/8"			
WM221A WM222A WM223A	2'-6" 2'-6 1/8" 2'-6 1/8"	5'-8 1/4" 5'-8 1/4" 5'-8 3/8"			
WM224A WM225A WM226A	2'-6 1/8" 2'-6 1/8" 2'-6 1/8"	5'-8 3/8" 5'-8 1/2" 5'-8 1/2"			
WM227A WM228A WM229A	2'-6 1/8" 2'-6 1/8" 2'-6 1/4"	5'-8 5/8" 5'-8 5/8" 5'-8 3/4"			
WM230A WM231A	2'-6 1/4" 2'-6 1/4"	5'-8 3/4" 5'-8 7/8"			
WM232A WM233A WM234A	2'-6 1/4" 2'-6 1/4" 2'-6 1/4"	5'-8 7/8" 5'-8 7/8" 5'-9"			
WM235A WM236A WM237A	2'-6 1/4" 2'-6 3/8" 2'-6 3/8"	5'-9" 5'-9 1/8" 5'-9 1/8"			
WM238A WM239A WM240A	2'-6 3/8" 2'-6 1/4" 2'-6 1/4"	5'-9 1/4" 5'-9 1/4" 5'-9 1/4"			
WM241A WM242A WM243A	2'-6 1/4" 2'-6 1/4" 2'-6 1/4"	5'-9 3/8" 5'-9 3/8" 5'-9 1/2"			
WM244A WM245A	2'-6 1/4" 2'-6 1/4"	5'-9 1/2" 5'-9 1/2"			
WM246A WM247A WM248A	2'-6 1/4" 2'-6 1/4" 2'-6 1/4"	5'-9 5/8" 5'-9 5/8" 5'-9 5/8"			
WM249A WM250A WM251A	2'-6 1/4" 2'-6 1/4" 2'-6 1/4"	5'-9 3/4" 5'-9 3/4" 5'-9 3/4"			
WM252A WM253A WM254A	2'-6 1/4" 2'-6 1/4" 2'-6 1/4"	5'-9 7/8" 5'-9 7/8" 5'-9 7/8"			
WM255A WM256A	2'-6 1/4" 2'-6 1/4"	5'-9 7/8" 5'-9 7/8"			
WM257A WM258A WM259A	2'-6 1/4" 2'-6 1/4" 2'-6 1/4"	5'-9 7/8" 5'-10" 5'-10"			
WM260A WM261A WM262A	2'-6 1/4" 2'-6 1/4" 2'-6 1/4"	5'-10" 5'-10" 5'-10"			
WM263A WM264A WM265A	2'-6 1/4" 2'-6 1/4" 2'-6 1/4"	5'-10" 5'-10" 5'-10"			
WM266A WM267A WM268A	2'-6 1/4" 2'-6 1/4" 2'-6 1/4"	5'-10" 5'-10" 5'-10"			
WM269A WM270A	2'-6 1/4" 2'-6 1/4"	5'-10" 5'-10"			
WM271A WM272A WM273A	2'-6 1/4" 2'-6 1/4" 2'-6 1/4"	5'-10" 5'-10" 5'-10"			
WM274A WM275A WM276A	2'-6 1/8" 2'-6 1/8" 2'-6 1/8"	5'-10" 5'-9 7/8" 5'-9 7/8"			
WM277A WM278A WM279A	2'-6 1/8" 2'-6 1/8" 2'-6 1/8"	5'-9 7/8" 5'-9 7/8" 5'-9 7/8"			
WM280A WM281A WM282A	2'-6 1/8" 2'-6 1/8" 2'-6 1/8"	5'-9 3/4" 5'-9 3/4" 5'-9 3/4"			
WM283A WM284A	2'-6 1/8" 2'-6 1/8"	5'-9 3/4" 5'-9 5/8"			
WM285A WM286A WM287A	2'-6 1/8" 2'-6 1/8" 2'-6 1/8"	5'-9 5/8" 5'-9 5/8" 5'-9 1/2"			
WM288A WM289A WM290A	2'-6 1/8" 2'-6 1/8" 2'-6 1/8"	5'-9 1/2" 5'-9 1/2" 5'-9 3/8"			
WM291A WM292A WM293A	2'-6 1/8" 2'-6 1/8" 2'-6 1/8"	5'-9 3/8" 5'-9 1/4" 5'-9 1/4"			
WM294A WM295A WM296A	2'-6 1/8" 2'-6 1/8" 2'-6 1/8"	5'-9 1/8" 5'-9 1/8" 5'-9"			
WM297A WM298A	2'-6 1/8" 2'-6"	5'-9" 5'-9"			
WM299A WM300A WM301A	2'-6" 2'-6" 2'-5 7/8"	5'-9" 5'-8 7/8" 5'-8 7/8"			
WM302A WM303A WM304A	2'-5 7/8" 2'-5 7/8" 2'-5 3/4"	5'-8 7/8" 5'-8 3/4" 5'-8 3/4"			
WM305A WM306A WM307A	2'-5 3/4" 2'-5 3/4" 2'-5 3/4"	5'-8 3/4" 5'-8 5/8" 5'-8 5/8"			
WM308A WM309A WM310A	2'-5 5/8" 2'-5 5/8" 2'-5 5/8"	5'-8 1/2" 5'-8 1/2" 5'-8 1/2"			
WM311A WM312A	2'-5 1/2" 2'-5 1/2"	5'-8 3/8" 5'-8 3/8"			
WM313A WM314A WM315A	2'-5 1/2" 2'-5 3/8" 2'-5 3/8"	5'-8 1/4" 5'-8 1/4" 5'-8 1/8"			
WM316A WM317A WM318A	2'-5 3/8" 2'-5 1/4" 2'-5 1/4"	5'-8" 5'-8" 5'-7 7/8"			
WM319A WM320A WM321A	2'-5 1/4" 2'-5 1/8" 2'-5 1/8"	5'-7 7/8" 5'-7 3/4" 5'-7 5/8"			
WM322A WM323A WM324A	2'-5 1/8" 2'-5 1/8" 2'-5"	5'-7 5/8" 5'-7 1/2" 5'-7 3/8"			
WM325A WM326A	2'-5" 2'-5"	5'-7 3/8" 5'-7 1/4"			
WM327A WM328A WM329A	2'-4 7/8" 2'-4 7/8" 2'-4 7/8"	5'-7 1/8" 5'-7" 5'-7"			
WM330A WM331A WM332A	2'-4 3/4" 2'-4 3/4" 2'-4 3/4"	5'-6 7/8" 5'-6 3/4" 5'-6 5/8"			
WM333A WM334A WM335A	2'-4 5/8" 2'-4 5/8" 2'-4 5/8"	5'-6 1/2" 5'-6 3/8" 5'-6 3/8"			
WM336A WM337A WM338A	2'-4 3/0 2'-4 1/2" 2'-4 1/2" 2'-4 1/2"	5'-6 1/4" 5'-6 1/8" 5'-6"			
WM339A WM340A	2'-4 1/2" 5'-0 3/8"	5'-5 7/8" 2'-9 3/4"			
WM341A WM342A WM343A	5'-0 3/8" 5'-0 3/8" 5'-0 1/4"	2'-9 5/8" 2'-9 1/2" 2'-9 3/8"			
WM344A WM348A WM349A	5'-0 1/4" 5'-0" 5'-0"	2'-9 1/4" 2'-8 7/8" 2'-8 5/8"			
WM350A WM351A	5'-0" 5'-0"	2'-8 1/2" 2'-8 1/4"			

<u> 402</u>	IVIIL <u>103</u>	DDL		KUN <u>H03V</u>	
		5'-3 1/2" 5'-3 3/4"	2'-10 3/8" 2'-10 3/8"	5'-11 1/8" 5'-11 1/4"	
		5'-3 7/8" 5'-4" 5'-4 1/8"	2'-10 3/8" 2'-10 3/8" 2'-10 3/8"	5'-11 3/8" 5'-11 1/2" 5'-11 5/8"	
		5'-4 1/4" 5'-4 1/2"	2'-10 3/8" 2'-10 1/2"	5'-11 3/4" 5'-11 7/8"	
		5'-4 5/8" 5'-4 3/4" 5'-4 7/8"	2'-10 1/2" 2'-10 1/2" 2'-10 1/2"	6'-0" 6'-0 1/8" 6'-0 1/4"	
		5'-4 7/8 5'-5" 5'-5 1/8"	2'-10 1/2" 2'-10 1/2" 2'-10 1/2"	6'-0 1/4 6'-0 3/8" 6'-0 1/2"	
		5'-5 1/4" 5'-5 3/8"	2'-10 1/2" 2'-10 5/8"	6'-0 5/8" 6'-0 3/4"	
		5'-5 1/2" 5'-5 5/8" 5'-5 3/4"	2'-10 5/8" 2'-10 5/8" 2'-10 5/8"	6'-0 3/4" 6'-0 7/8" 6'-1"	
		5-5 3/4 5'-5 7/8" 5'-6"	2'-10 5/8" 2'-10 5/8" 2'-10 5/8"	6'-1 1/8" 6'-1 1/4"	
		5'-6 1/8" 5'-6 1/4"	2'-10 5/8" 2'-10 3/4"	6'-1 3/8" 6'-1 3/8"	
		5'-6 3/8" 5'-6 1/2" 5'-6 5/8"	2'-10 3/4" 2'-10 3/4" 2'-10 3/4"	6'-1 1/2" 6'-1 5/8" 6'-1 3/4"	
		5'-6 3/4" 5'-6 7/8"	2'-10 3/4" 2'-10 3/4" 2'-10 3/4"	6'-1 3/4" 6'-1 7/8"	
		5'-7" 5'-7"	2'-10 3/4" 2'-10 7/8"	6'-2" 6'-2 1/8"	
		5'-7 1/8" 5'-7 1/4" 5'-7 3/8"	2'-10 7/8" 2'-10 7/8" 2'-10 7/8"	6'-2 1/8" 6'-2 1/4" 6'-2 3/8"	
		5'-7 1/2" 5'-7 1/2"	2'-10 7/8" 2'-10 7/8"	6'-2 3/8" 6'-2 1/2"	
		5'-7 5/8" 5'-7 3/4"	2'-10 7/8" 2'-11"	6'-2 1/2" 6'-2 5/8"	
		5'-7 3/4" 5'-7 7/8" 5'-8"	2'-11" 2'-11" 2'-11"	6'-2 3/4" 6'-2 3/4" 6'-2 7/8"	
		5'-8" 5'-8 1/8"	2'-11" 2'-11"	6'-2 7/8" 6'-3"	
		5'-8 1/4" 5'-8 1/4"	2'-11" 2'-11 1/8" 2' 11 1/8"	6'-3" 6'-3 1/8"	
		5'-8 3/8" 5'-8 3/8" 5'-8 1/2"	2'-11 1/8" 2'-11 1/8" 2'-11 1/8"	6'-3 1/8" 6'-3 1/4" 6'-3 1/4"	
		5'-8 1/2" 5'-8 5/8"	2'-11 1/8" 2'-11 1/8"	6'-3 3/8" 6'-3 3/8"	
		5'-8 5/8" 5'-8 3/4"	2'-11 1/8" 2'-11 1/4"	6'-3 1/2" 6'-3 1/2"	
		5'-8 3/4" 5'-8 7/8" 5'-8 7/8"	2'-11 1/4" 2'-11 1/4" 2'-11 1/4"	6'-3 1/2" 6'-3 5/8" 6'-3 5/8"	
		5'-8 7/8" 5'-9"	2'-11 1/4" 2'-11 1/4"	6'-3 3/4" 6'-3 3/4"	
		5'-9" 5'-9 1/8"	2'-11 1/4" 2'-11 3/8"	6'-3 3/4" 6'-3 7/8"	
		5'-9 1/8" 5'-9 1/4" 5'-9 1/4"	2'-11 3/8" 2'-11 1/4" 2'-11 1/4"	6'-3 7/8" 6'-3 7/8" 6'-3 7/8"	
		5'-9 1/4" 5'-9 3/8"	2'-11 1/4" 2'-11 1/4"	6'-4" 6'-4"	
		5'-9 3/8" 5'-9 1/2"	2'-11 1/4" 2'-11 1/4"	6'-4" 6'-4"	
		5'-9 1/2" 5'-9 1/2" 5'-9 5/8"	2'-11 1/4" 2'-11 1/4" 2'-11 1/4"	6'-4 1/8" 6'-4 1/8" 6'-4 1/8"	
		5'-9 5/8" 5'-9 5/8"	2'-11 1/4" 2'-11 1/4"	6'-4 1/8" 6'-4 1/8"	
		5'-9 3/4" 5'-9 3/4" 5'-9 3/4"	2'-11 1/4" 2'-11 1/4" 2'-11 1/4"	6'-4 1/8" 6'-4 1/4" 6'-4 1/4"	
		5'-9 7/8" 5'-9 7/8"	2-11 1/4 2'-11 1/4" 2'-11 1/4"	6'-4 1/4" 6'-4 1/4"	
		5'-9 7/8" 5'-9 7/8"	2'-11 1/4" 2'-11 1/4"	6'-4 1/4" 6'-4 1/4"	
		5'-9 7/8" 5'-9 7/8" 5'-10"	2'-11 1/4" 2'-11 1/4" 2'-11 1/4"	6'-4 1/4" 6'-4 1/4" 6'-4 1/4"	
		5'-10" 5'-10"	2'-11 1/4" 2'-11 1/4" 2'-11 1/4"	6'-4 1/4" 6'-4 1/4"	
		5'-10" 5'-10"	2'-11 1/4" 2'-11 1/4"	6'-4 1/4" 6'-4 1/4"	
		5'-10" 5'-10" 5'-10"	2'-11 1/4" 2'-11 1/4" 2'-11 1/4"	6'-4 1/4" 6'-4 1/4" 6'-4 1/4"	
		5'-10" 5'-10"	2-11 1/4 2'-11 1/4" 2'-11 1/4"	6'-4 1/4" 6'-4 1/4" 6'-4 1/4"	
		5'-10" 5'-10"	2'-11 1/4" 2'-11 1/4"	6'-4 1/4" 6'-4 1/4"	
		5'-10" 5'-10" 5'-10"	2'-11 1/4" 2'-11 1/4" 2'-11 1/4"	6'-4 1/4" 6'-4 1/8" 6'-4 1/8"	
		5'-10" 5'-10"	2'-11 1/4" 2'-11 1/4"	6'-4 1/8" 6'-4 1/8"	
		5'-9 7/8" 5'-9 7/8"	2'-11 1/8" 2'-11 1/8"	6'-4 1/8" 6'-4 1/8"	
		5'-9 7/8" 5'-9 7/8" 5'-9 7/8"	2'-11 1/8" 2'-11 1/8" 2'-11 1/8"	6'-4" 6'-4" 6'-4"	
		5'-9 3/4" 5'-9 3/4"	2'-11 1/8" 2'-11 1/8"	6'-4" 6'-3 7/8"	
		5'-9 3/4" 5'-9 3/4"	2'-11 1/8" 2'-11 1/8"	6'-3 7/8" 6'-3 7/8"	
		5'-9 5/8" 5'-9 5/8" 5'-9 5/8"	2'-11 1/8" 2'-11 1/8" 2'-11 1/8"	6'-3 3/4" 6'-3 3/4" 6'-3 3/4"	
		5'-9 1/2" 5'-9 1/2"	2'-11 1/8" 2'-11 1/8"	6'-3 5/8" 6'-3 5/8"	
		5'-9 1/2" 5'-9 3/8" 5'-9 3/8"	2'-11 1/8" 2'-11 1/8" 2'-11 1/8"	6'-3 5/8" 6'-3 1/2" 6'-3 1/2"	
		5'-9 3/8" 5'-9 1/4" 5'-9 1/4"	2'-11 1/8" 2'-11 1/8" 2'-11 1/8"	6'-3 1/2" 6'-3 1/2" 6'-3 3/8"	
		5'-9 1/8" 5'-9 1/8"	2'-11 1/8" 2'-11 1/8"	6'-3 3/8" 6'-3 1/4"	
		5'-9" 5'-9" 5'-9"	2'-11 1/8" 2'-11 1/8" 2'-11"	6'-3 1/4" 6'-3 1/8" 6'-3 1/8"	
		5'-9" 5'-8 7/8"	2'-11" 2'-11"	6'-3" 6'-3"	
		5'-8 7/8" 5'-8 7/8"	2'-10 7/8" 2'-10 7/8"	6'-2 7/8" 6'-2 7/8"	
		5'-8 3/4" 5'-8 3/4" 5'-8 3/4"	2'-10 7/8" 2'-10 3/4" 2'-10 3/4"	6'-2 3/4" 6'-2 3/4" 6'-2 5/8"	
		5'-8 5/8" 5'-8 5/8"	2'-10 3/4" 2'-10 5/8"	6'-2 1/2" 6'-2 1/2"	
		5'-8 1/2" 5'-8 1/2" 5'-8 1/2"	2'-10 5/8" 2'-10 5/8" 2'-10 5/8"	6'-2 3/8" 6'-2 1/4" 6'-2 1/4"	
		5'-8 1/2" 5'-8 3/8" 5'-8 3/8"	2'-10 5/8" 2'-10 1/2" 2'-10 1/2"	6'-2 1/4" 6'-2 1/8" 6'-2"	
		5'-8 1/4" 5'-8 1/4"	2'-10 1/2" 2'-10 3/8"	6'-2" 6'-1 7/8"	
		5'-8 1/8" 5'-8" 5'-8"	2'-10 3/8" 2'-10 3/8" 2'-10 1/4"	6'-1 3/4" 6'-1 3/4" 6'-1 5/8"	
		5'-8" 5'-7 7/8" 5'-7 7/8"	2'-10 1/4" 2'-10 1/4" 2'-10 1/4"	6'-1 5/8" 6'-1 1/2" 6'-1 3/8"	
		5'-7 3/4" 5'-7 5/8"	2'-10 1/8" 2'-10 1/8"	6'-1 3/8" 6'-1 1/4"	
		5'-7 5/8" 5'-7 1/2" 5'-7 3/8"	2'-10 1/8" 2'-10 1/8" 2'-10"	6'-1 1/8" 6'-1" 6'-0 7/8"	
		5'-7 3/8" 5'-7 3/8" 5'-7 1/4"	2'-10" 2'-10" 2'-10"	6'-0 7/8" 6'-0 3/4" 6'-0 3/4"	
		5'-7 1/8" 5'-7"	2'-9 7/8" 2'-9 7/8"	6'-0 5/8" 6'-0 1/2"	
		5'-7" 5'-6 7/8"	2'-9 7/8" 2'-9 3/4"	6'-0 3/8" 6'-0 1/4"	
		5'-6 3/4" 5'-6 5/8" 5'-6 1/2"	2'-9 3/4" 2'-9 3/4" 2'-9 5/8"	6'-0 1/8" 6'-0" 5'-11 7/8"	7'-3 1/8" 7'-3"
		5'-6 1/2" 5'-6 3/8" 5'-6 3/8"	2'-9 5/8" 2'-9 5/8" 2'-9 5/8"	5'-11 7/8" 5'-11 3/4" 5'-11 5/8"	7'-3" 7'-2 7/8" 7'-2 5/8"
		5'-6 1/4" 5'-6 1/8"	2'-9 1/2" 2'-9 1/2"	5'-11 1/2" 5'-11 3/8"	7'-2 1/2" 7'-2 3/8"
		5'-6" 5'-5 7/8" 2'-9 3/4"	2'-9 1/2" 2'-9 1/2" 2'-9 3/8"	5'-11 1/4" 5'-11 1/8" 5'-11"	7'-2 1/4" 7'-2" 7'-1 7/8"
		2'-9 3/4" 2'-9 5/8" 2'-9 1/2"	2'-9 3/8" 2'-9 3/8" 2'-9 3/8"	5'-11" 5'-10 7/8" 5'-10 3/4"	7'-1 7/8" 7'-1 3/4" 7'-1 1/2"
		2'-9 3/8" 2'-9 1/4"	2'-9 1/4" 2'-9 1/4"	5'-10 5/8" 5'-10 1/2"	7'-1 3/8" 7'-1 1/4"
		2'-8 7/8"	2'-9 1/8"	5'-9 7/8"	7'-0 1/2"

	WE	ST	BR	IDG	iЕ -	MIC)DL	EF	RUN	
<u>ID</u>	<u>P01V</u>	<u>L01</u>	<u>A01</u>	<u>L02</u>	<u>A02</u>	<u>L03</u>	<u>LTOT</u>	<u>ANV</u>	<u>H03V</u>	<u>H04</u> V
WM352A WM353A WM354A	5'-0" 2'-3 7/8" 2'-3 7/8"	2'-8 1/8" 5'-4" 5'-3 3/4"					2'-8 1/8" 5'-4" 5'-3 3/4"	2'-9" 2'-8 7/8" 2'-8 7/8"	5'-9 3/8" 5'-9 1/8" 5'-9"	6'-11 3/4 6'-11 5/8
WM354A WM355A WM356A	2'-3 7/8" 2'-3 7/8" 2'-3 3/4"	5'-3 5/8" 5'-3 1/2"					5'-3 5/8" 5'-3 1/2"	2'-8 7/8 2'-8 7/8" 2'-8 3/4"	5'-9 5'-8 7/8" 5'-8 3/4"	6'-11 3/8 6'-11 1/4 6'-1
WM357A WM358A	2'-3 3/4" 2'-3 5/8"	5'-3 3/8" 5'-3 1/4"					5'-3 3/8" 5'-3 1/4"	2'-8 3/4" 2'-8 5/8" 2'-8 5/8"	5'-8 1/2" 5'-8 3/8"	6'-10 7/8 6'-10 5/8
NM359A NM360A NM361A	2'-3 5/8" 2'-3 1/2" 2'-3 1/2"	5'-3 1/8" 5'-3" 5'-2 3/4"					5'-3 1/8" 5'-3" 5'-2 3/4"	2-8 5/8 2'-8 1/2" 2'-8 1/2"	5'-8 1/4" 5'-8" 5'-7 7/8"	6'-10 3/8 6'-10 1/4
WM362A WM363A	2'-3 3/8" 2'-3 3/8"	5'-2 5/8" 5'-2 1/2"					5'-2 5/8" 5'-2 1/2"	2'-8 3/8" 2'-8 3/8"	5'-7 3/4" 5'-7 1/2"	
WM364A WM365A WM366A	2'-3 1/4" 2'-3 1/4" 2'-3 1/8"	5'-2 3/8" 5'-2 1/4" 5'-2"					5'-2 3/8" 5'-2 1/4" 5'-2"	2'-8 1/4" 2'-8 1/4" 2'-8 1/8"	5'-7 3/8" 5'-7 1/4" 5'-7"	
WM367A WM368A	2'-3 1/8" 2'-3 1/8"	5'-1 7/8" 5'-1 3/4"					5'-1 7/8" 5'-1 3/4"	2'-8 1/8" 2'-8 1/8"	5'-6 7/8" 5'-6 5/8"	
NM369A NM370A NM371A	2'-3" 2'-3" 2'-2 7/8"	5'-1 1/2" 5'-1 3/8" 5'-1 1/4"					5'-1 1/2" 5'-1 3/8" 5'-1 1/4"	2'-8" 2'-8" 2'-7 7/8"	5'-6 1/2" 5'-6 3/8" 5'-6 1/8"	
WM372A WM373A	2'-2 7/8" 2'-2 3/4"	5'-1" 5'-0 7/8"					5'-1" 5'-0 7/8"	2'-7 7/8" 2'-7 3/4"	5'-6" 5'-5 3/4"	
WM374A WM375A WM376A	2'-2 3/4" 2'-2 5/8" 2'-2 5/8"	5'-0 3/4" 5'-0 1/2" 5'-0 3/8"					5'-0 3/4" 5'-0 1/2" 5'-0 3/8"	2'-7 3/4" 2'-7 5/8" 2'-7 5/8"	5'-5 5/8" 5'-5 3/8" 5'-5 1/4"	
WM377A WM378A	2'-2 1/2" 2'-2 1/2"	5'-0 1/4" 5'-0"					5'-0 1/4" 5'-0"	2'-7 1/2" 2'-7 1/2"	5'-5" 5'-4 7/8"	
WM379A WM380A WM381A	2'-2 3/8" 2'-2 3/8" 2'-2 1/4"	4'-11 7/8" 4'-11 5/8" 4'-11 1/2"					4'-11 7/8" 4'-11 5/8" 4'-11 1/2"	2'-7 3/8" 2'-7 3/8" 2'-7 1/4"	5'-4 5/8" 5'-4 3/8" 5'-4 1/4"	
WM382A WM383A	2'-2 1/4" 2'-2 1/8"	4'-11 1/4" 4'-11 1/8"					4'-11 1/4" 4'-11 1/8"	2'-7 1/4" 2'-7 1/8"	5'-4" 5'-3 7/8"	
WM384A WM385A WM386A	2'-2 1/8" 2'-2" 2'-2"	4'-10 7/8" 4'-10 5/8" 4'-10 1/2"					4'-10 7/8" 4'-10 5/8" 4'-10 1/2"	2'-7 1/8" 2'-7" 2'-7"	5'-3 5/8" 5'-3 3/8" 5'-3 1/4"	
WM387A WM388A	2'-1 7/8" 2'-1 7/8"	4'-10 1/4" 4'-10 1/8"					4'-10 1/4" 4'-10 1/8"	2'-6 7/8" 2'-6 7/8"	5'-3" 5'-2 3/4"	
WM389A WM390A WM391A	2'-1 3/4" 2'-1 3/4" 2'-1 5/8"	4'-9 7/8" 4'-9 5/8" 4'-9 1/2"					4'-9 7/8" 4'-9 5/8" 4'-9 1/2"	2'-6 3/4" 2'-6 3/4" 2'-6 5/8"	5'-2 5/8" 5'-2 3/8" 5'-2 1/8"	
WM392A WM393A	2'-1 5/8" 2'-1 1/2"	4'-9 1/4" 4'-9"					4'-9 1/4" 4'-9"	2'-6 5/8" 2'-6 1/2"	5'-1 7/8" 5'-1 3/4"	
WM394A WM395A WM396A	2'-1 1/2" 2'-1 1/2" 2'-1 3/8"	4'-8 7/8" 4'-8 5/8" 4'-8 3/8"					4'-8 7/8" 4'-8 5/8" 4'-8 3/8"	2'-6 1/2" 2'-6 1/2" 2'-6 3/8"	5'-1 1/2" 5'-1 1/4" 5'-1"	
WM397A WM398A	2'-1 3/8" 2'-1 1/4"	4'-8 1/8" 4'-8"					4'-8 1/8" 4'-8"	2'-6 3/8" 2'-6 1/4"	5'-0 7/8" 5'-0 5/8"	
WM399A WM400A WM401A	2'-1 1/4" 2'-1 1/8" 2'-1 1/8"	4'-7 3/4" 4'-7 1/2" 4'-7 1/4"					4'-7 3/4" 4'-7 1/2" 4'-7 1/4"	2'-6 1/4" 2'-6 1/8" 2'-6 1/8"	5'-0 3/8" 5'-0 1/8" 4'-11 7/8"	
WM402A WM403A	2'-1" 2'-1"	4'-7" 4'-6 3/4"					4'-7" 4'-6 3/4"	2'-6" 2'-6"	4'-11 5/8" 4'-11 1/2"	
WM404A WM405A WM406A	2'-0 7/8" 2'-0 7/8" 2'-0 3/4"	4'-6 1/2" 4'-6 3/8" 4'-6 1/8"					4'-6 1/2" 4'-6 3/8" 4'-6 1/8"	2'-5 7/8" 2'-5 7/8" 2'-5 3/4"	4'-11 1/4" 4'-11" 4'-10 3/4"	
WM407A WM408A	2'-0 3/4" 2'-0 5/8"	4'-5 7/8" 4'-5 5/8"					4'-5 7/8" 4'-5 5/8"	2'-5 3/4" 2'-5 5/8"	4'-10 1/2" 4'-10 1/4"	
WM409A WM410A WM411A	2'-0 5/8" 2'-0 1/2" 2'-0 1/2"	4'-5 3/8" 4'-5 1/8" 4'-4 7/8"					4'-5 3/8" 4'-5 1/8" 4'-4 7/8"	2'-5 5/8" 2'-5 1/2" 2'-5 1/2"	4'-10" 4'-9 3/4" 4'-9 1/2"	
WM411A WM412A WM413A	2'-0 3/8" 2'-0 3/8"	4'-4 7/8 4'-4 5/8" 4'-4 3/8"					4'-4 7/8 4'-4 5/8" 4'-4 3/8"	2'-5 3/8" 2'-5 3/8"	4'-9 1/2 4'-9 1/4" 4'-9"	
WM414A WM415A WM416A	2'-0 1/4" 2'-0 1/4" 2'-0 1/8"	4'-4 1/8" 4'-3 3/4" 4'-3 1/2"					4'-4 1/8" 4'-3 3/4" 4'-3 1/2"	2'-5 1/4" 2'-5 1/4" 2'-5 1/8"	4'-8 3/4" 4'-8 1/2" 4'-8 1/4"	
WM410A WM417A WM418A	2'-0 1/8" 2'-0 1/8" 2'-0"	4'-3 1/2 4'-3 1/4" 4'-3 1/8"					4'-3 1/2 4'-3 1/4" 4'-3 1/8"	2'-5 1/8" 2'-5"	4'-8" 4'-7 3/4"	
WM419A WM420A WM421A	1'-11 7/8" 1'-11 7/8" 1'-11 3/4"	4'-2 7/8" 4'-2 5/8" 4'-2 3/8"					4'-2 7/8" 4'-2 5/8" 4'-2 3/8"	2'-4 7/8" 2'-4 7/8" 2'-4 3/4"	4'-7 1/2" 4'-7 1/4" 4'-6 7/8"	
WM421A WM422A WM423A	1'-11 5/8" 1'-11 1/2"	4'-2 3/8 4'-2 1/8" 4'-1 7/8"					4'-2 3/8 4'-2 1/8" 4'-1 7/8"	2'-4 5/8" 2'-4 1/2"	4'-6 7/8 4'-6 5/8" 4'-6 3/8"	
WM424A WM425A WM426A	1'-11 1/2" 1'-11 3/8" 1'-11 1/4"	4'-1 5/8" 4'-1 3/8" 4'-1 1/8"					4'-1 5/8" 4'-1 3/8" 4'-1 1/8"	2'-4 1/2" 2'-4 3/8" 2'-4 1/4"	4'-6 1/8" 4'-5 7/8" 4'-5 5/8"	
WM420A WM427A WM428A	1'-11 1/4" 1'-11 1/8"	4'-0 7/8" 4'-0 5/8"					4'-0 7/8" 4'-0 5/8"	2'-4 1/4 2'-4 1/4" 2'-4 1/8"	4'-5 1/4" 4'-5"	
WM429A WM430A WM431A	1'-11" 1'-10 7/8" 1'-10 7/8"	4'-0 3/8" 4'-0 1/8" 3'-11 3/4"					4'-0 3/8" 4'-0 1/8" 3'-11 3/4"	2'-4" 2'-3 7/8" 2'-3 7/8"	4'-4 3/4" 4'-4 1/2" 4'-4 1/4"	
WM431A WM432A WM433A	1'-10 3/4" 1'-10 5/8"	3'-11 1/2" 3'-11 1/4"					3'-11 1/2" 3'-11 1/4"	2'-3 3/4" 2'-3 5/8"	4'-3 7/8" 4'-3 5/8"	
WM434A WM435A	1'-10 1/2" 1'-10 1/2"	3'-11" 3'-10 3/4" 3'-10 1/2"					3'-11" 3'-10 3/4"	2'-3 1/2" 2'-3 1/2"	4'-3 3/8" 4'-3" 4'-2 3/4"	
WM436A WM437A WM438A	1'-10 3/8" 1'-10 1/4" 1'-10 1/4"	3'-10 1/2" 3'-10 1/8" 3'-9 7/8"					3'-10 1/2" 3'-10 1/8" 3'-9 7/8"	2'-3 3/8" 2'-3 1/4" 2'-3 1/4"	4 -2 3/4 4'-2 1/2" 4'-2 1/8"	
WM439A WM440A	1'-10 1/8" 1'-10"	3'-9 5/8" 3'-9 3/8" 3'-9"					3'-9 5/8" 3'-9 3/8"	2'-3 1/8" 2'-3"	4'-1 7/8" 4'-1 5/8"	
WM441A WM442A WM443A	1'-9 7/8" 1'-9 7/8" 1'-9 3/4"	3'-8 3/4" 3'-8 1/2"					3'-9" 3'-8 3/4" 3'-8 1/2"	2'-2 7/8" 2'-2 7/8" 2'-2 3/4"	4'-1 1/4" 4'-1" 4'-0 3/4"	
WM444A WM445A	1'-9 5/8" 1'-9 5/8"	3'-8 1/8" 3'-7 7/8"					3'-8 1/8" 3'-7 7/8"	2'-2 5/8" 2'-2 5/8"	4'-0 3/8" 4'-0 1/8"	
WM446A WM447A WM448A	1'-9 1/2" 1'-9 3/8" 1'-9 1/4"	3'-7 5/8" 3'-7 1/4" 3'-7"					3'-7 5/8" 3'-7 1/4" 3'-7"	2'-2 1/2" 2'-2 3/8" 2'-2 1/4"	3'-11 3/4" 3'-11 1/2" 3'-11 1/8"	
WM449A WM450A	1'-9 1/4" 1'-9 1/8"	3'-6 5/8" 3'-6 3/8"					3'-6 5/8" 3'-6 3/8"	2'-2 1/4" 2'-2 1/8"	3'-10 7/8" 3'-10 1/2" 3'-10 1/4"	
WM451A WM452A WM453A	1'-9" 1'-8 7/8" 1'-8 7/8"	3'-6 1/8" 3'-5 3/4" 3'-5 1/2"					3'-6 1/8" 3'-5 3/4" 3'-5 1/2"	2'-2" 2'-1 7/8" 2'-1 7/8"	3'-9 7/8" 3'-9 5/8"	
WM454A WM455A	1'-8 3/4" 1'-8 5/8"	3'-5 1/8" 3'-4 7/8"					3'-5 1/8" 3'-4 7/8"	2'-1 3/4" 2'-1 5/8"	3'-9 1/4" 3'-9"	
WM456A WM457A WM458A	1'-8 1/2" 1'-8 3/8" 1'-8 3/8"	3'-4 1/2" 3'-4 1/4" 3'-3 7/8"					3'-4 1/2" 3'-4 1/4" 3'-3 7/8"	2'-1 1/2" 2'-1 3/8" 2'-1 3/8"	3'-8 5/8" 3'-8 1/4" 3'-8"	
WM459A WM460A	1'-8 1/4" 1'-8 1/8"	3'-3 5/8" 3'-3 1/4"					3'-3 5/8" 3'-3 1/4"	2'-1 1/4" 2'-1 1/8"	3'-7 5/8" 3'-7 3/8"	
WM461A WM462A WM463A	1'-8" 1'-7 7/8" 1'-7 7/8"	3'-3" 3'-2 5/8" 3'-2 3/8"					3'-3" 3'-2 5/8" 3'-2 3/8"	2'-1" 2'-0 7/8" 2'-0 7/8"	3'-7" 3'-6 5/8" 3'-6 3/8"	
WM464A WM465A	1'-7 3/4" 1'-7 5/8"	3'-2" 3'-1 3/4"					3'-2" 3'-1 3/4"	2'-0 3/4" 2'-0 5/8"	3'-6" 3'-5 5/8"	
WM466A WM467A WM468A	1'-7 1/2" 1'-7 3/8" 1'-7 3/8"	3'-1 3/8" 3'-1" 3'-0 3/4"					3'-1 3/8" 3'-1" 3'-0 3/4"	2'-0 1/2" 2'-0 3/8" 2'-0 3/8"	3'-5 1/4" 3'-5" 3'-4 5/8"	
NM469A NM470A	1'-7 1/4" 1'-7 1/8"	3'-0 3/8" 3'-0"					3'-0 3/8" 3'-0"	2'-0 1/4" 2'-0 1/8"	3'-4 1/4" 3'-4"	
VM471A VM472A VM473A	1'-7" 1'-6 7/8" 1'-6 7/8"	2'-11 5/8" 2'-11 3/8" 2'-11"					2'-11 5/8" 2'-11 3/8" 2'-11"	2'-0" 1'-11 7/8" 1'-11 7/8"	3'-3 5/8" 3'-3 1/4" 3'-2 7/8"	
NM474A NM475A	1'-6 3/4" 1'-6 5/8"	2'-10 5/8" 2'-10 1/4"					2'-10 5/8" 2'-10 1/4"	1'-11 3/4" 1'-11 5/8"	3'-2 1/2" 3'-2 1/8"	
NM476A NM477A NM478A	1'-6 1/2" 1'-6 1/2" 1'-6 3/8"	2'-10" 2'-9 1/2" 2'-9 1/8"					2'-10" 2'-9 1/2" 2'-9 1/8"	1'-11 1/2" 1'-11 1/2" 1'-11 3/8"	3'-1 7/8" 3'-1 1/2" 3'-1 1/8"	
VM479A VM480A	1'-6 3/8" 1'-6 3/8"	2'-8 3/4" 2'-8 3/8"					2'-8 3/4" 2'-8 3/8"	1'-11 3/8" 1'-11 3/8"	3'-0 3/4" 3'-0 3/8"	
VM481A VM482A VM483A	1'-6 1/4" 1'-6 1/4" 1'-6 1/8"	2'-7 7/8" 2'-7 1/2" 2'-7 1/8"					2'-7 7/8" 2'-7 1/2" 2'-7 1/8"	1'-11 1/4" 1'-11 1/4" 1'-11 1/8"	3'-0" 2'-11 5/8" 2'-11 1/4"	
NM484A NM485A	1'-6 1/8" 1'-6 1/8"	2'-6 5/8" 2'-6 1/4"					2'-6 5/8" 2'-6 1/4"	1'-11 1/8" 1'-11 1/8"	2'-10 7/8" 2'-10 1/2"	
VM486A VM487A VM488A	1'-6" 1'-6" 1'-5 7/8"	2'-5 7/8" 2'-5 3/8" 2'-4 7/8"					2'-5 7/8" 2'-5 3/8" 2'-4 7/8"	1'-11" 1'-11" 1'-10 7/8"	2'-10 1/8" 2'-9 3/4" 2'-9 3/8"	
VM489A VM490A	1'-5 7/8" 1'-5 3/4"	2'-4 1/4" 2'-3 3/4"					2'-4 1/4" 2'-3 3/4"	1'-10 7/8" 1'-10 3/4"	2'-9" 2'-8 5/8"	
VM491A VM492A VM493A	1'-5 3/4" 1'-5 5/8" 1'-5 1/2"	2'-3 1/8" 2'-2 1/2" 2'-2"					2'-3 1/8" 2'-2 1/2" 2'-2"	1'-10 5/8" 1'-10 5/8" 1'-10 1/2"	2'-8 1/4" 2'-7 7/8" 2'-7 1/2"	
VM493A VM494A VM495A	1'-5 1/2" 1'-5 3/8" 1'-5 1/4"	2'-1 3/8" 2'-0 7/8"					2'-1 3/8" 2'-0 7/8"	1'-10 3/8" 1'-10 1/4"	2'-7 1/8" 2'-6 3/4"	
VM496A VM497A	1'-5 1/8" 1'-5 1/8"	2'-0 1/4" 1'-11 5/8"					2'-0 1/4" 1'-11 5/8"	1'-10 1/8" 1'-10 1/8"	2'-6 3/8" 2'-6"	
VM498A VM499A VM500A	1'-5" 1'-4 7/8" 1'-4 3/4"	1'-11 1/8" 1'-10 1/2" 1'-10"					1'-11 1/8" 1'-10 1/2" 1'-10"	1'-10" 1'-9 7/8" 1'-9 3/4"	2'-5 5/8" 2'-5 1/4" 2'-4 3/4"	
VM501A VM502A	1'-4 5/8" 1'-4 5/8"	1'-9 3/8" 1'-8 7/8"					1'-9 3/8" 1'-8 7/8"	1'-9 5/8" 1'-9 5/8"	2'-4 3/8" 2'-4"	
NM503A NM504A NM505A	1'-4 1/2" 1'-4 3/8" 1'-4 1/4"	1'-8 1/4" 1'-7 5/8" 1'-7 1/8"					1'-8 1/4" 1'-7 5/8" 1'-7 1/8"	1'-9 1/2" 1'-9 3/8" 1'-9 1/4"	2'-3 5/8" 2'-3 1/4" 2'-2 3/4"	
WM506A WM507A	1'-4 1/8" 1'-4"	1'-6 1/2" 1'-6"					1'-6 1/2" 1'-6"	1'-9 1/8" 1'-9"	2'-2 3/8" 2'-2"	
WM508A WM509A WM510A	1'-4" 1'-3 7/8" 1'-3 3/4"	1'-5 3/8" 1'-4 3/4" 1'-4 1/4"					1'-5 3/8" 1'-4 3/4" 1'-4 1/4"	1'-9" 1'-8 7/8" 1'-8 3/4"	2'-1 5/8" 2'-1 1/8" 2'-0 3/4"	
WM510A WM511A WM512A	1'-3 5/8" 1'-3 1/2"	1'-3 5/8" 1'-3 1/8"					1'-3 5/8" 1'-3 1/8"	1'-8 5/8" 1'-8 1/2"	2'-0 3/8" 1'-11 7/8"	
WM513A WM514A	1'-3 1/2" 1'-3 3/8" 1'-3 1/8"	1'-2 1/2" 1'-2" 1'-1 1/2"					1'-2 1/2" 1'-2"	1'-8 1/2" 1'-8 3/8"	1'-11 1/2" 1'-11 1/8"	
NM515A	. 1.2 1/0"				1	1	1'-1 1/2"	1'-8 1/8"	1'-10 5/8"	

WEST D011/ 101

<u>ID</u>	<u>P01V</u>	<u>L01</u>	<u>A01</u>	<u>L02</u>	<u>A02</u>	<u>L03</u>	<u>LTOT</u>	<u>ANV</u>	<u>H03V</u>	<u>H04V</u>
WM519A	1'-2 1/2"	0'-11 3/8"					0'-11 3/8"	1'-7 1/2"	1'-9"	
WM520A	1'-2 3/8"	0'-10 7/8"					0'-10 7/8"	1'-7 3/8"	1'-8 1/2"	
WM521A	1'-2 1/8"	0'-10 3/8"					0'-10 3/8"	1'-7 1/8"	1'-8 1/8"	
WM522A	1'-2"	0'-9 7/8"					0'-9 7/8"	1'-7"	1'-7 5/8"	
WM523A	1'-1 7/8"	0'-9 3/8"					0'-9 3/8"	1'-6 7/8"	1'-7 1/4"	
WM524A	1'-1 5/8"	0'-8 7/8"					0'-8 7/8"	1'-6 5/8"	1'-6 3/4"	
WM525A	1'-1 1/2"	0'-8 3/8"					0'-8 3/8"	1'-6 1/2"	1'-6 3/8"	
WM526A	1'-1 1/4"	0'-7 7/8"					0'-7 7/8"	1'-6 1/4"	1'-5 7/8"	
WM527A	1'-1 1/8"	0'-7 3/8"					0'-7 3/8"	1'-6 1/8"	1'-5 1/2"	
WM528A	1'-1"	0'-6 7/8"					0'-6 7/8"	1'-6"	1'-5"	
WM529A	1'-0 3/4"	0'-6 3/8"					0'-6 3/8"	1'-5 3/4"	1'-4 5/8"	
WM530A	1'-0 5/8"	0'-5 7/8"					0'-5 7/8"	1'-5 5/8"	1'-4 1/8"	
WM531A	1'-0 1/2"	0'-5 3/8"					0'-5 3/8"	1'-5 1/2"	1'-3 3/4"	
WM532A	1'-0 1/4"	0'-4 7/8"					0'-4 7/8"	1'-5 1/4"	1'-3 1/4"	
WM533A	1'-0 1/8"	0'-4 3/8"					0'-4 3/8"	1'-5 1/8"	1'-2 7/8"	
Grand total: 5	518				•		2121'-4 1/2"			

RAIL VERT TYPE NOTES

1. RAIL "PO1V" ELEVATIONS SHALL BE USED FOR VERTICAL ALIGNMENT OF MEMBERS DURING SHOP ASSEMBLY.

2. VERTICAL DIMENSIONS OR ELEVATIONS STATED IN RAIL VERT SCHEDULES ARE TO BASELINE ELEVATION FOR EACH RAIL RUN. THE BASELINE ELEVATION IS ARBITRARILY SET TO 1'-0" BELOW THE LOWEST POINT OF EACH RAIL RUN AND IS UNIQUE TO EACH RAIL RUN.

3. ANCHORAGE SPACING LOGIC IS SPECIFIED IN DOCUMENTS, BUT ANCHORAGE IS NOT PRESENT AT EVERY RAIL VERT. BECAUSE SPECIFIC ANCHORAGE PLAN LOCATIONS ARE LAID OUT BY FABRICATOR, "ANV" ELEVATION HAS BEEN PROVIDED FOR ALL RAIL VERTS.

<u>RAIL VERT TYPE LEGEND</u>

"#" SYMBOL REPRESENTS A NUMBER

P0# - POINT AT CENTERPOINT OF RAIL VERT SEGMENT, LOCATED AT EITHER: RAIL VERT ENDS (TOP/BOTTOM) OR RAIL VERT BREAKS.

P0#V - POINT VERTICAL DISTANCE TO BASELINE ELEVATION

H0# - RAIL HORIZONTAL

A0# - ANGLE BETWEEN ADJACENT RAIL VERT SEGMENTS AN01 - CENTERLINE OF ANCHORAGE ANV - ANCHORAGE VERTICAL DISTANCE TO BASELINE ELEVATION

RAIL VERT ID LOGIC

	W	N
<i>BRIDGE</i> CODE: W = WEST E = EAST		
<i>RAIL RUN</i> CODE: N = NORTH S = SOUTH M = MIDDLE		

	BR	IDG	E -	MIE	DDL	ER	RUN	
	<u>A01</u>	<u>L02</u>	<u>A02</u>	<u>L03</u>	<u>LTOT</u>	<u>ANV</u>	<u>H03V</u>	<u>H04V</u>
				•				
8/8"					0'-11 3/8"	1'-7 1/2"	1'-9"	
7/0"					01 40 7/01	41 7 0/01	41.0.4/01	



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L0# - RAIL VERT SEGEMENT (LEG) OR LENGTH OF SEGMENT (LEG)

H0#V - RAIL HORIZONTAL VERTICAL DISTANCE TO BASELINE ELEVATION

134B RAIL VERT TYPE ^{RE:} 1 / A06.10 NUMBER IN SEQUENCE (LEFT TO RIGHT)

RAIL REFERENCE

1. RE: A01.00 FOR PROJECT TERMINOLOGY.

- 2. RE: RAIL ELEVATIONS FOR: a. RAIL VERT LAYOUT b. RAIL HORIZONTAL LAYOUT
- c. RAIL VERT BENDS LAYOUT.
- 3. RE: 1 / A06.10 FOR: a. RAIL VERT CONFIGURATION TYPES.
- 4. RE: RAIL SCHEDULES FOR: a. *RAIL VERT* VERTICAL LOCATION RELATIVE TO EACH RAIL RUN BASELINE ELEVATION
- b. RAIL VERT LEG LENGTHS
- c. RAIL VERT BEND ANGLES
- d. ANCHORAGE LOCATIONS e. RAIL HORIZONTAL LOCATIONS

RIDGE S DESCRIPTION REV DATE PROJECT NUMBER 12720.62 DATE 2020.09.17 ISSUE FOR CONSTRUCTION DESIGNED: NJC DRAWN: NJC REVIEWED: CLR SHEET TITLE SCHEDULE - WEST BRIDGE RAIL VERTS - MIDDLE RAIL RUN SHEET NUMBER A06.13 © George Butler Associates, Inc. 2020

Engineering COA# E-92

Architecture COA# A-45

Land Sureveying COA# LS-8