# WEST BRIDGE PLANS FOR

# PARAGON STAR DEVELOPMENT - LEE'S SUMMIT, MO

View High Dr, View High Pkwy, River Rd Sections 33 & 34-Township 48-Range 32

# Summary of Quantities

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

## PROJECT BENCHMARK

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

# UTILITY CONTACTS

| Sanitary Sewers | Mr. Jeff Thorn, PE<br>City of Lee's Summit Water Utilities<br>1200 SE Hamblen Road<br>Lee's Summit, MO 64063<br>(816) 969–1922<br>email: jeff.thorn@cityofLS.net | Gas              | Mr. Donnie Richards<br>Missouri Gas Energy<br>7500 E 35th Terrace<br>Kansas City, MO 64129<br>(816) 472–9464<br>Fax (816) 472–3488<br>email: donnie.richards@sug.com |
|-----------------|--|------------------|--|
|                 | Mr. Jeff Shook<br>Little Blue Valley Sewer District<br>21101 East 78 Highway<br>Independence, MO 64057<br>(816) 285–1522<br>email: jshook@lbvsd.net              | Cable Television | ·  |
| Water           | Mr. Jeff Thorn, PE<br>City of Lee's Summit Water Utilities<br>1200 SE Hamblen Road<br>Lee's Summit, MO 64063<br>(816) 969–1922<br>email: jeff.thorn@cityofLS.net | Telephone        | Ms. Glenda Charles<br>AT&T<br>1425 Oak Street<br>Kansas City, MO 64106<br>(816) 365-1669   |

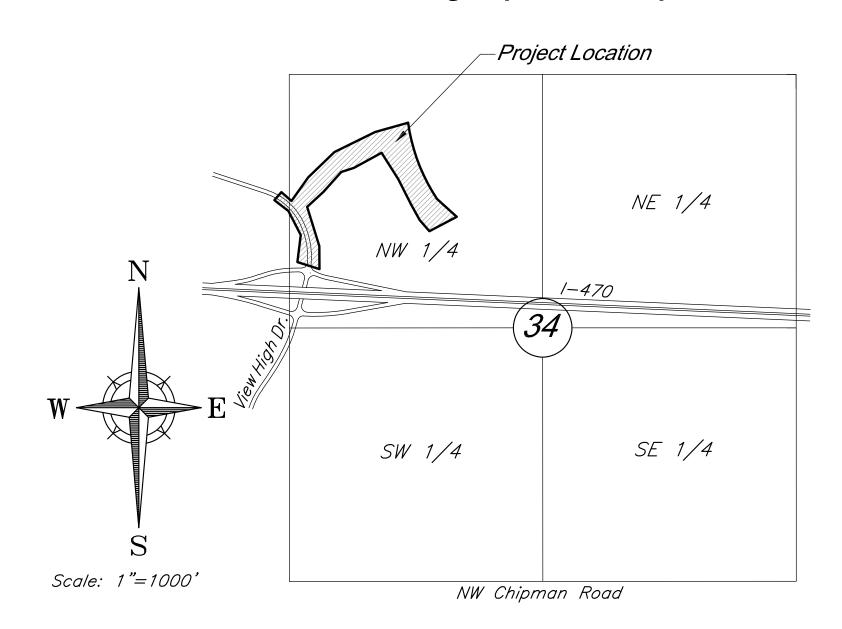
Fax (816) 275-1109

email: gc6954@att.com

City of Lee's Summit

Jackson County, Missouri

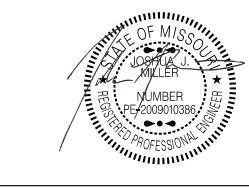
Design Speed = 40 mph



VICINITY MAP
Section 33 & 34-T48N-R32W

DEVELOPED AND OWNED BY:
PARAGON STAR LLC
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LEE'S SUMMIT, MISSOURI 64086
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CONTACT: Mr. Flip Short
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PROJECT ENGINEER:

 $\frac{10/13/20}{\text{DATE:}}$ 

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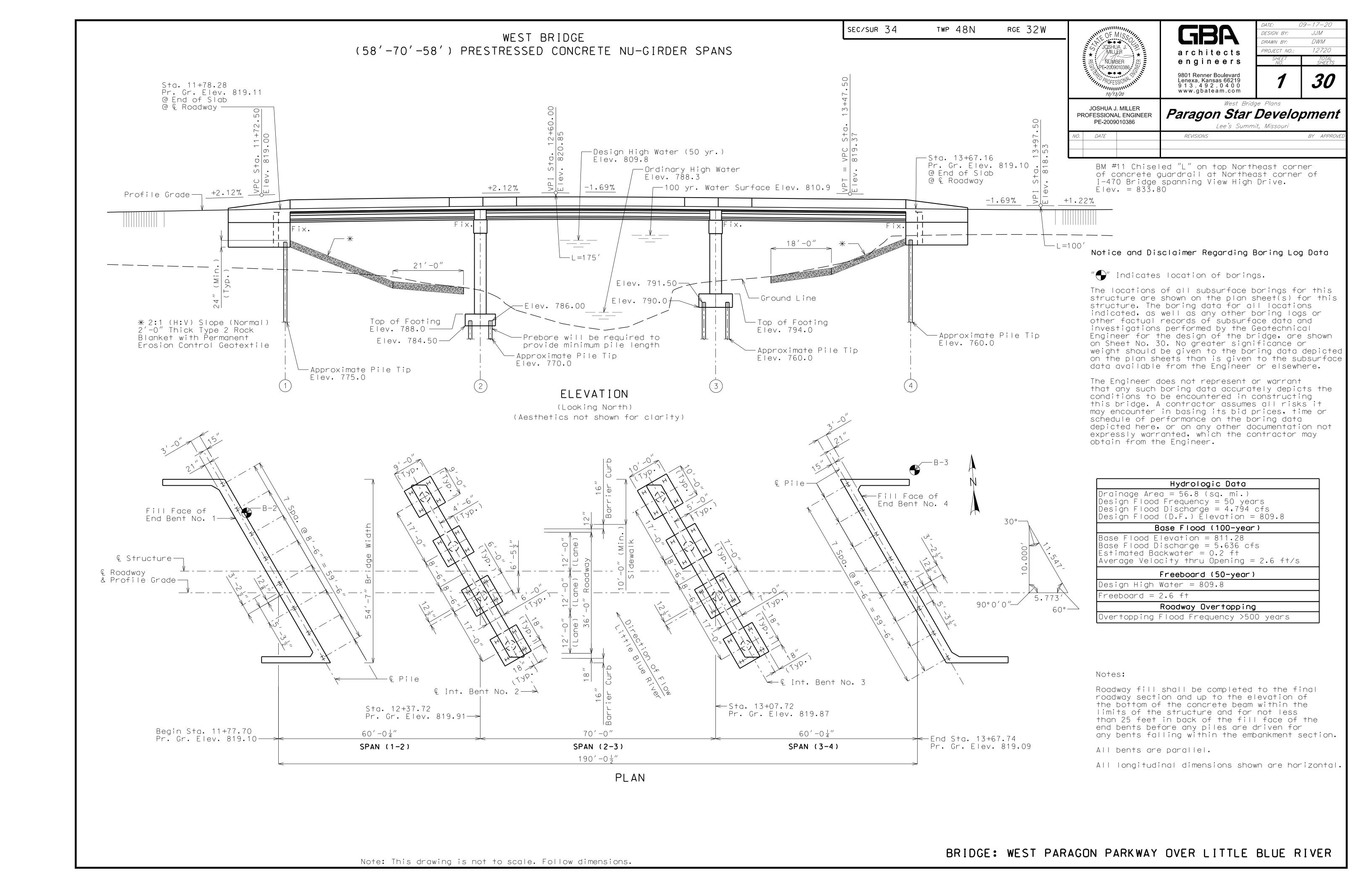
Missouri One Call System 1-800-344-7483 (DIG-RITE)

Mr. Nathan Michael

Evergy P.O. Box 418679 Kansas City, MO 64141 (816) 220-5210

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10/13/20 - PLANS 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 lb/cf

Equivalent Fluid Pressure = 70 lb/cf

### Design Unit Stresses:

f'c = 4,000 psiClass B Concrete (Substructure) Class B-1 Concrete (Barrier Curb) f'c = 4,000 psiClass 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         |   |     |             |         |         |         |  |  |  |  |  |
|-------------------------|---|-----|-------------|---------|---------|---------|--|--|--|--|--|
| Load<br>Bearing<br>Pile | DESIGN  |     | BENT NUMBER |         |         |         |  |  |  |  |  |
|                         | DATA  |     | 1           | 2       | 3       | 4       |  |  |  |  |  |
|                         | Pile Type and Size                              |     | HP12×53     | HP12×53 | HP12×53 | HP12×53 |  |  |  |  |  |
|                         | Number  | ea  | 8           | 16      | 16      | 8       |  |  |  |  |  |
|                         | Approximate Length per Each                     | f+  | 64          | 16      | 32      | 50      |  |  |  |  |  |
|                         | Pile Point Reinforcement                        | ea  | 8           | 16      | 16      | 8       |  |  |  |  |  |
|                         | Min. Galvanized Penetration (Elev.)             | f+  | 745         | 770     | 760     | 760     |  |  |  |  |  |
|                         | Est. Max Scour Depth 500 (Elev.)                | f+  | 794         | 790     | 791     | 790     |  |  |  |  |  |
|                         | Pile Driving Verification Method                |     | WEAP        | WEAP    | WEAP    | WEAP    |  |  |  |  |  |
|                         | Resistance Factor                               |     | 0.5         | 0.5     | 0.5     | 0.5     |  |  |  |  |  |
|                         | Minimum Nominal Axial<br>Compressive Resistance | kip | 518         | 504     | 522     | 518     |  |  |  |  |  |

WEAP = Wave Equation Analysis of Piles

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

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

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

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

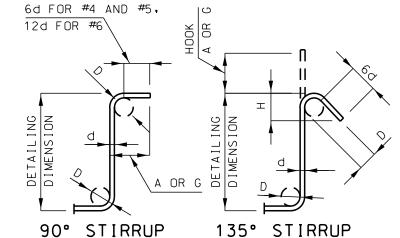
Pile point reinforcement need not be galvanized. Shop drawings will not be required for pile point reinforcement.

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

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

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.



DETAILING DIMENSION

DETAILING DIMENSION

90°

4d OR 2 1/2" MIN.

| STIRRUP HOOK DIMENSIONS  GRADES 40 - 50 - 60 KSI |        |                |                |         |  |  |  |  |  |  |  |
|--|--------|----------------|----------------|---------|--|--|--|--|--|--|--|
|  |        |                |                |         |  |  |  |  |  |  |  |
| SIZE   | (IN.)  | HOOK<br>A OR G | HOOK<br>A OR G | APPROX. |  |  |  |  |  |  |  |
| #4   | 2"     | 4 1/2"         | 4 1/2"         | 3″      |  |  |  |  |  |  |  |
| #5   | 2 1/2" | 6"             | 5 1/2"         | 3 3/4"  |  |  |  |  |  |  |  |
| #6   | 4 1/2" | 12"            | 8 "            | 4 1/2"  |  |  |  |  |  |  |  |
| NOTE: HALLESS OTHERWISE NOTED                    |        |                |                |         |  |  |  |  |  |  |  |

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

|              | END HO  | OK DIM         | MENSION   | IS     |  |  |  |  |
|--------------|---------|----------------|-----------|--------|--|--|--|--|
|              |         | ALL GRADES     |           |        |  |  |  |  |
| BAR<br>SIZE  | D (IN.) | 180°           | 90* HOOKS |        |  |  |  |  |
| 3126         | (114.7  | A OR G         | J         | A OR G |  |  |  |  |
| #3           | 2 1/4"  | 5″             | 3"        | 6"     |  |  |  |  |
| #4           | 3″      | <b>" 6" 4"</b> |           | 8"     |  |  |  |  |
| <b>#</b> 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"    |  |  |  |  |
| <b>#</b> 1 O | 10 3/4" | 17"            | 13 1/4"   | 22"    |  |  |  |  |
| #1 1         | 12"     | 19"            | 14 3/4"   | 2'-0"  |  |  |  |  |
| #14          | 18 1/4" | 2'-3"          | 21 3/4"   | 2'-7"  |  |  |  |  |

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| PE-2009010386. PE-2009010386. PE-2009010386. PROFESSIONAL 10/13/20  | 9801 Renner Boulevard<br>Lenexa, Kansas 66219<br>9 1 3 . 4 9 2 . 0 4 0 0<br>www.gbateam.com |

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REVISIONS

12720 PROJECT NO.: 101AL SHFFTS 30

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DWM

BY APPROVI

DESIGN BY:

DRAWN BY:

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

### NOTE:

ALL STANDARD HOOKS AND BENDS OTHER THAN 180 DEGREE ARE TO BE BENT WITH SAME PROCEDURE AS FOR 90 DEGREE STANDARD HOOKS. HOOKS AND BENDS SHALL BE IN ACCORDANCE WITH THE PROCEDURES AS SHOWN ON THIS SHEET. E = EPOXY COATED REINFORCEMENT.

S = STIRRUP.

X = BAR IS INCLUDED IN SUBSTRUCTURE QUANTITIES.

V = BAR DIMENSIONS VARY IN EQUAL INCREMENTS BETWEEN DIMENSIONS SHOWN ON THIS LINE AND THE FOLLOWING LINE.

NO. EA. = NUMBER OF BARS OF EACH LENGTH.

NOMINAL LENGTHS ARE BASED ON OUT TO OUT DIMENSIONS SHOWN IN BENDING DIAGRAMS AND ARE LISTED FOR FABRICATORS USE. (NEAREST INCH)

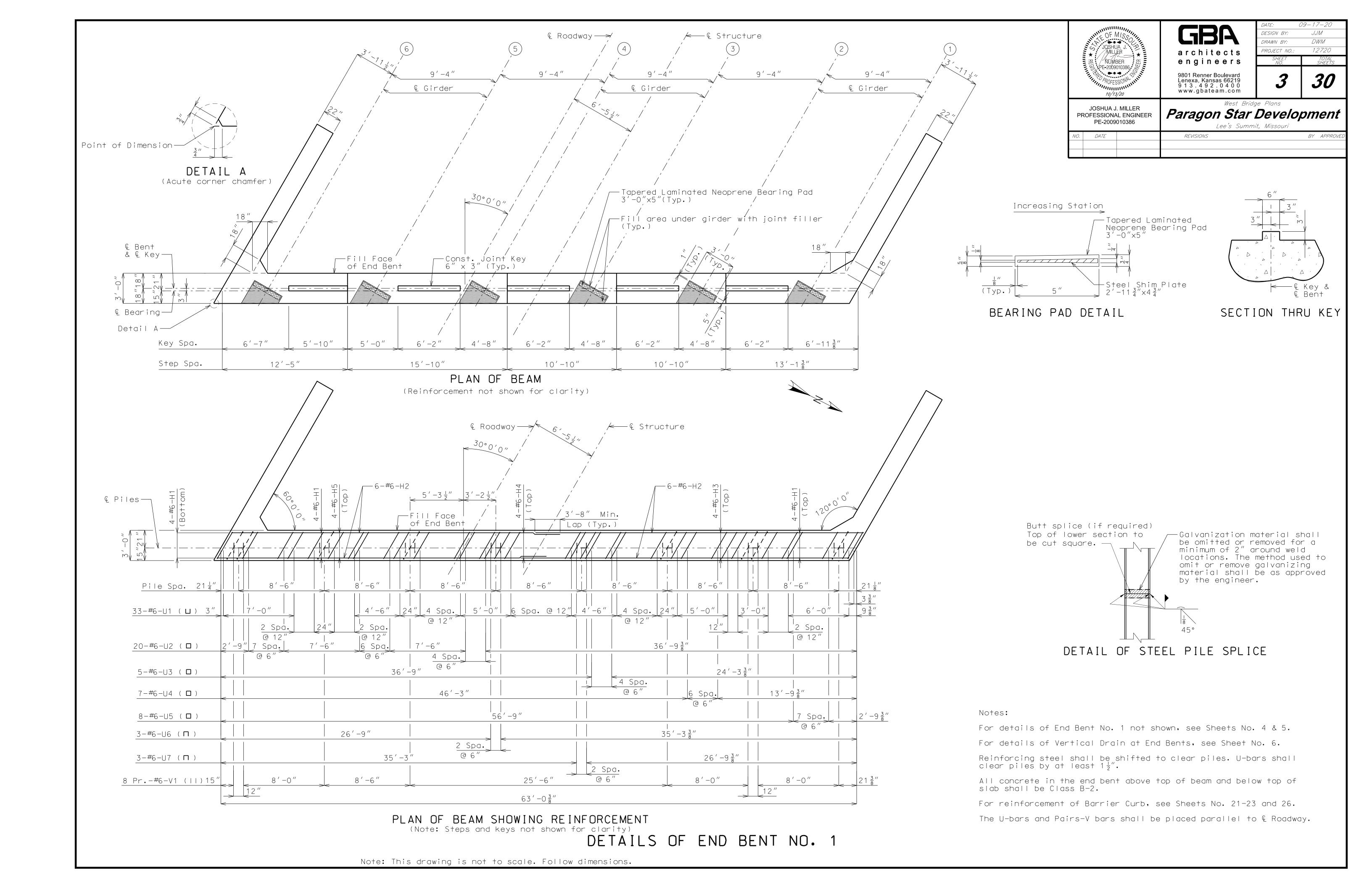
ACTUAL LENGTHS ARE MEASURED ALONG CENTERLINE BAR TO THE NEAREST INCH.

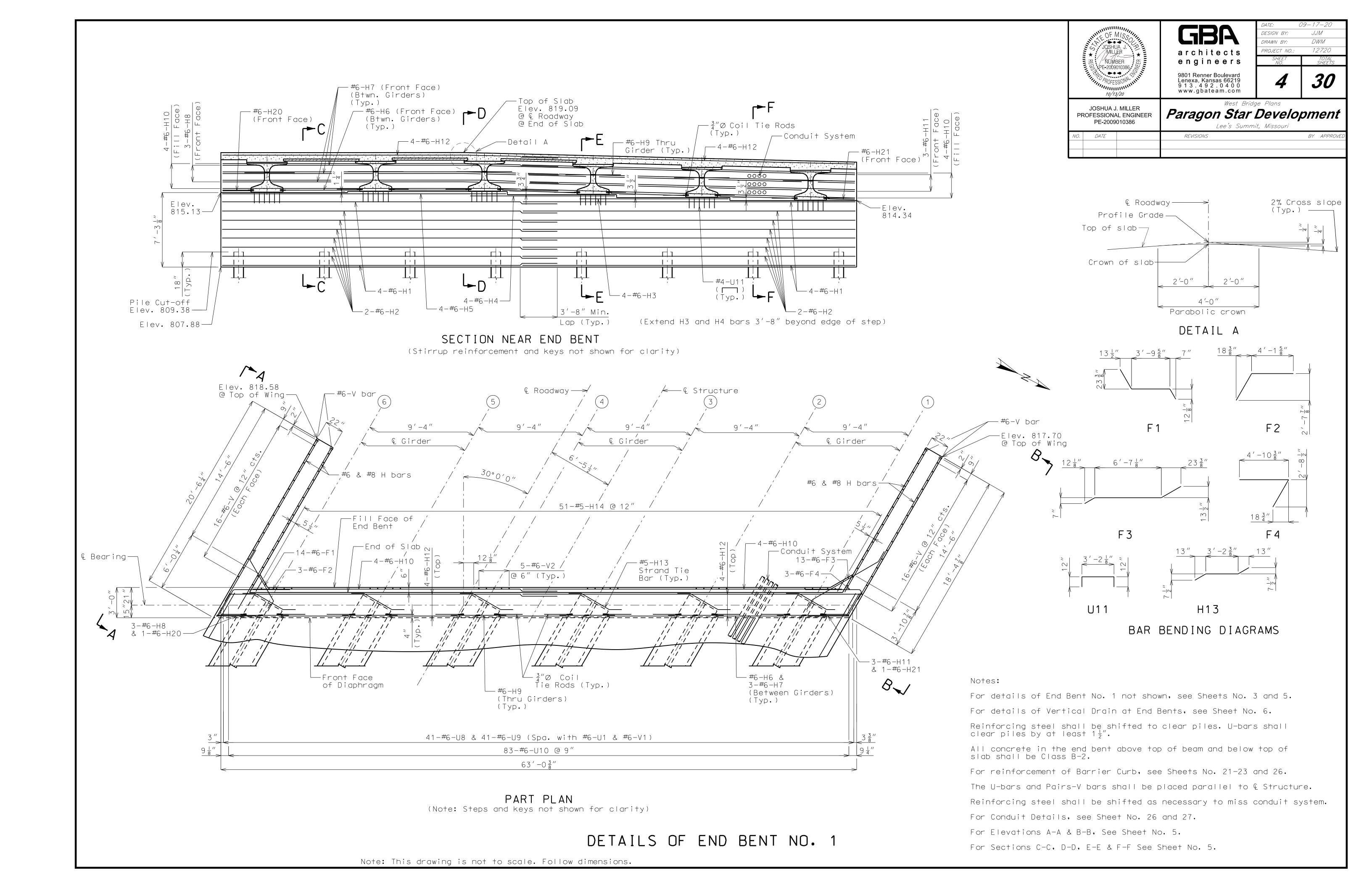
PAYWEIGHTS ARE BASED ON ACTUAL LENGTHS.

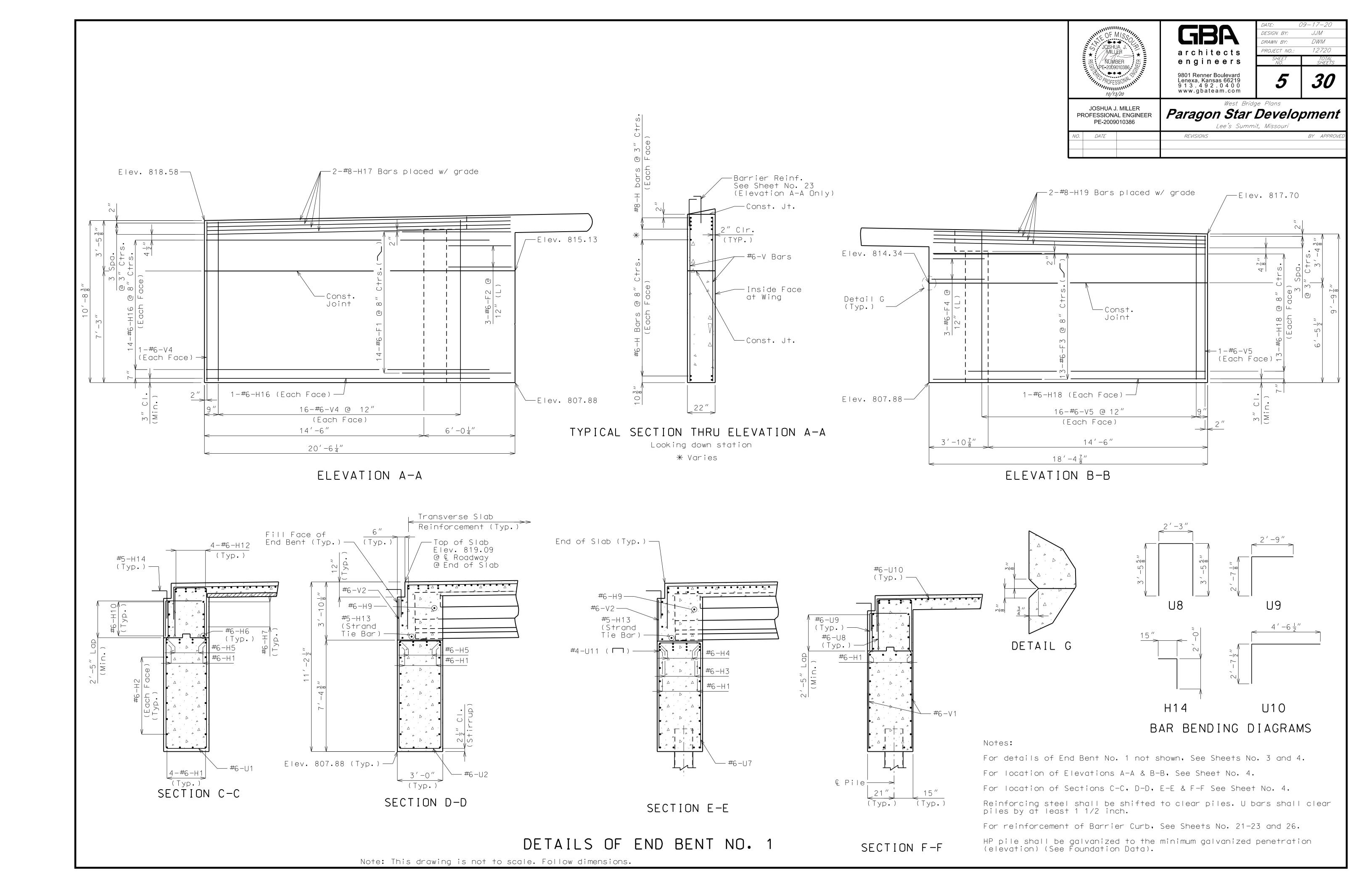
FOUR ANGLE OR CHANNEL SPACERS ARE REQUIRED FOR EACH COLUMN SPIRAL. SPACERS ARE TO BE PLACED ON INSIDE OF SPIRALS, LENGTH AND WEIGHT OF COLUMN SPIRALS DO NOT INCLUDE SPLICES OR SPACERS.

REINFORCING STEEL (GRADE 60) FY = 60,000 PSI.

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





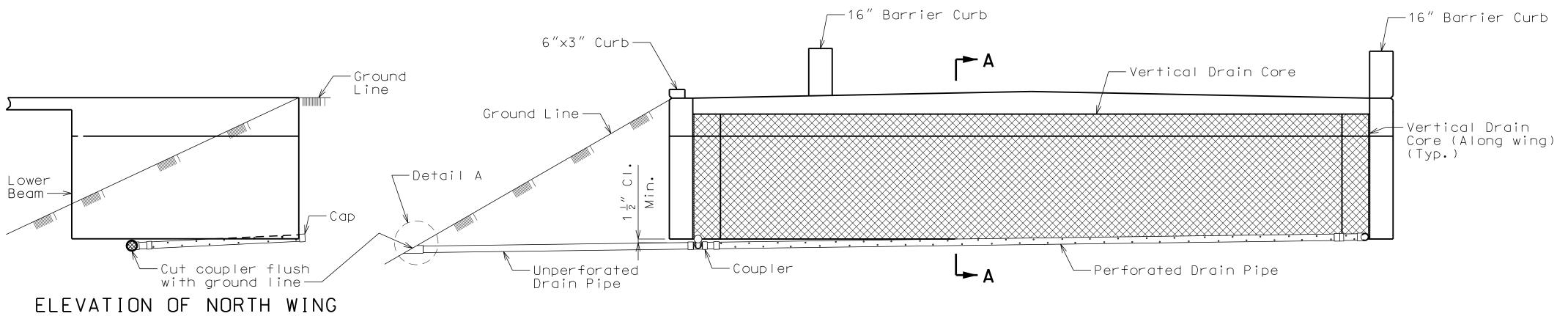


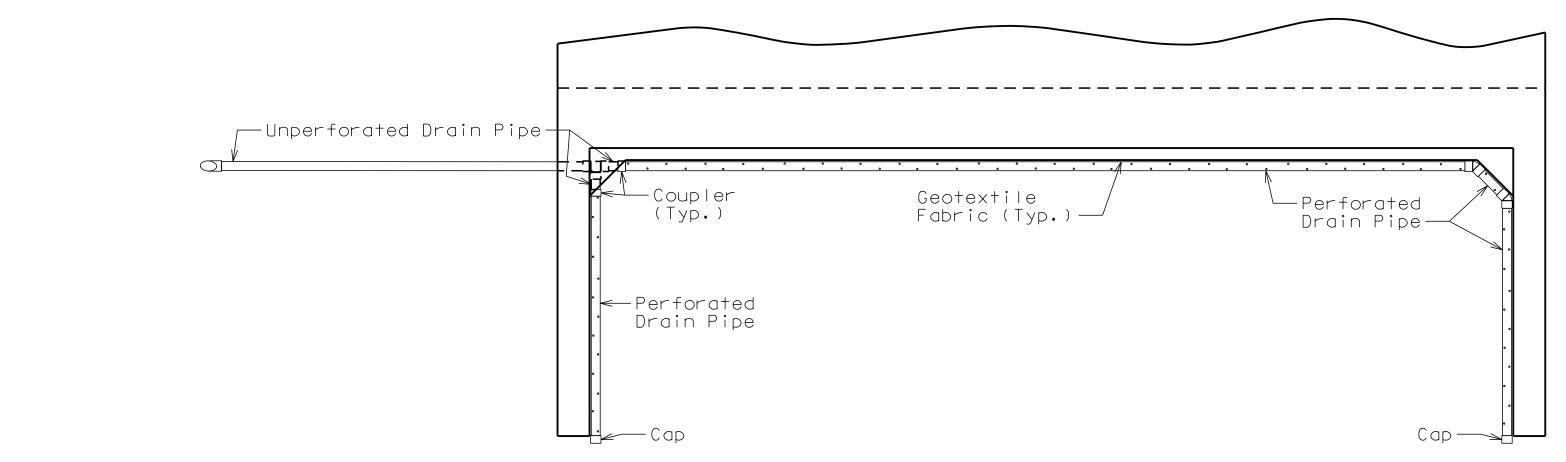
Unperforated Drain Pipe—

DETAIL A

— Cut coupler to slope of ground line

Rodent Screen —





PLAN OF END BENT

ELEVATION OF END BENT

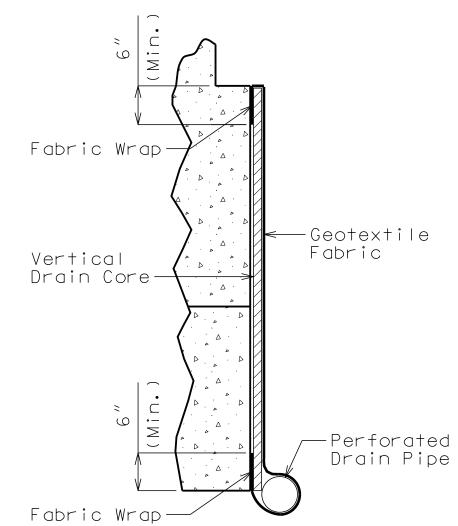


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DESIGN BY:

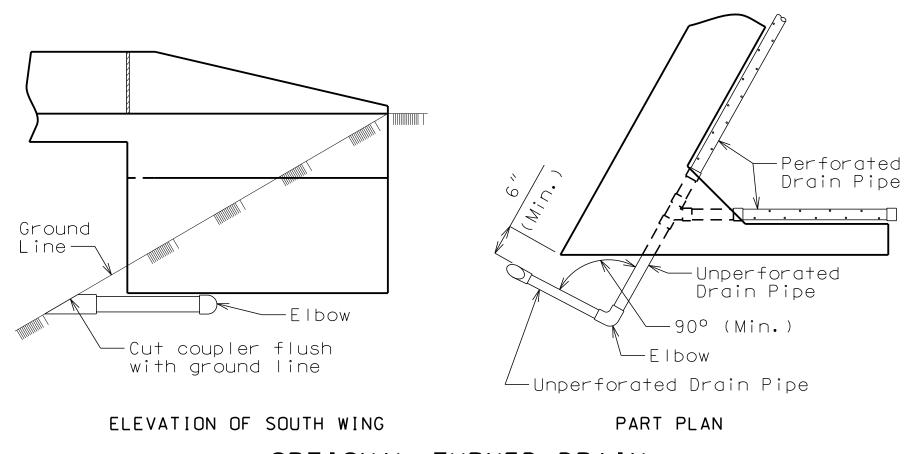
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DATE

PART SECTION A-A (Section thru wing similar)



# OPTIONAL TURNED DRAIN

(Only if rock is encountered outside of wing)

# VERTICAL DRAIN AT END BENTS

(Squared end bent shown, skewed end bent similar)

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

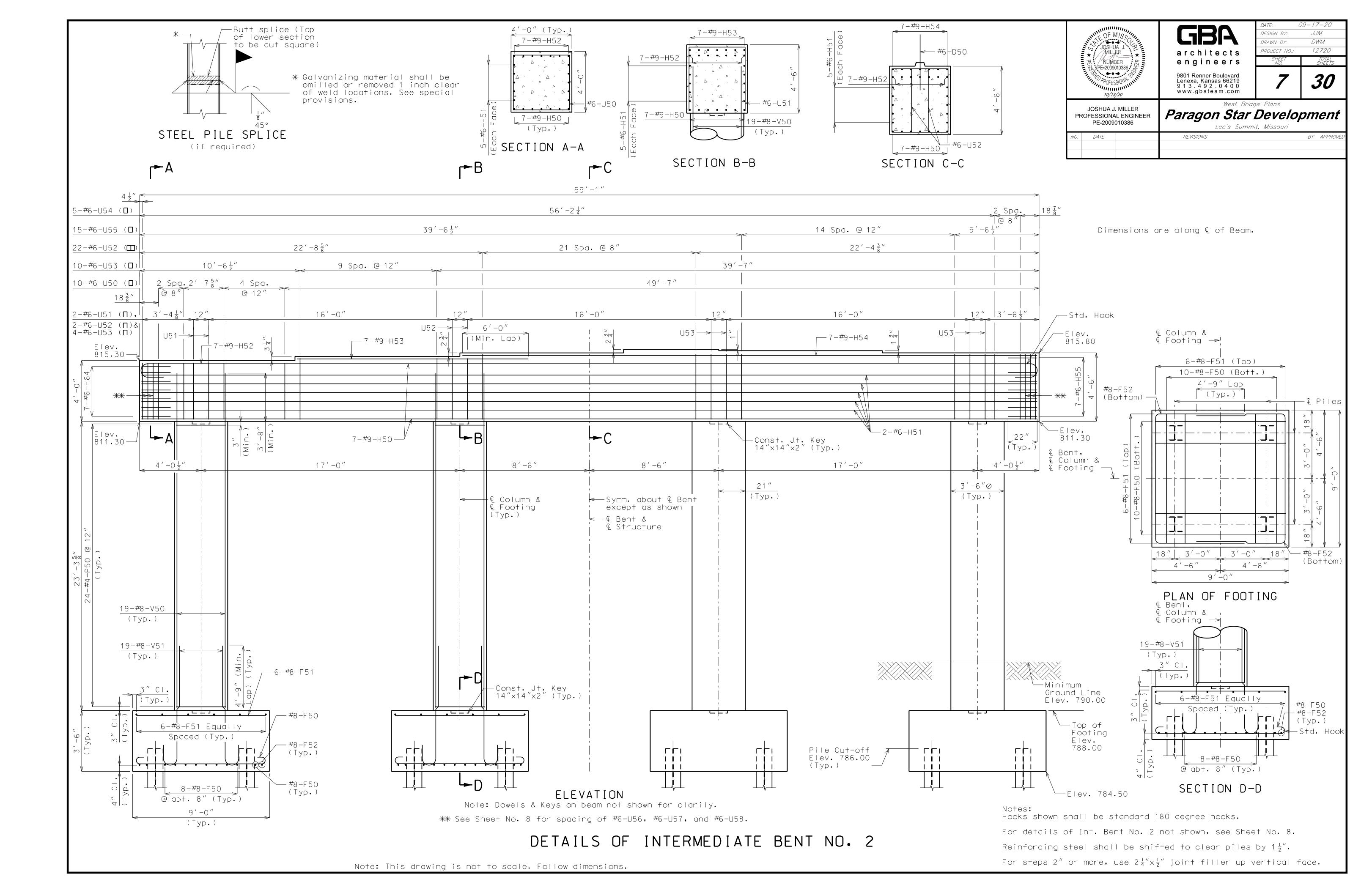
### General Notes:

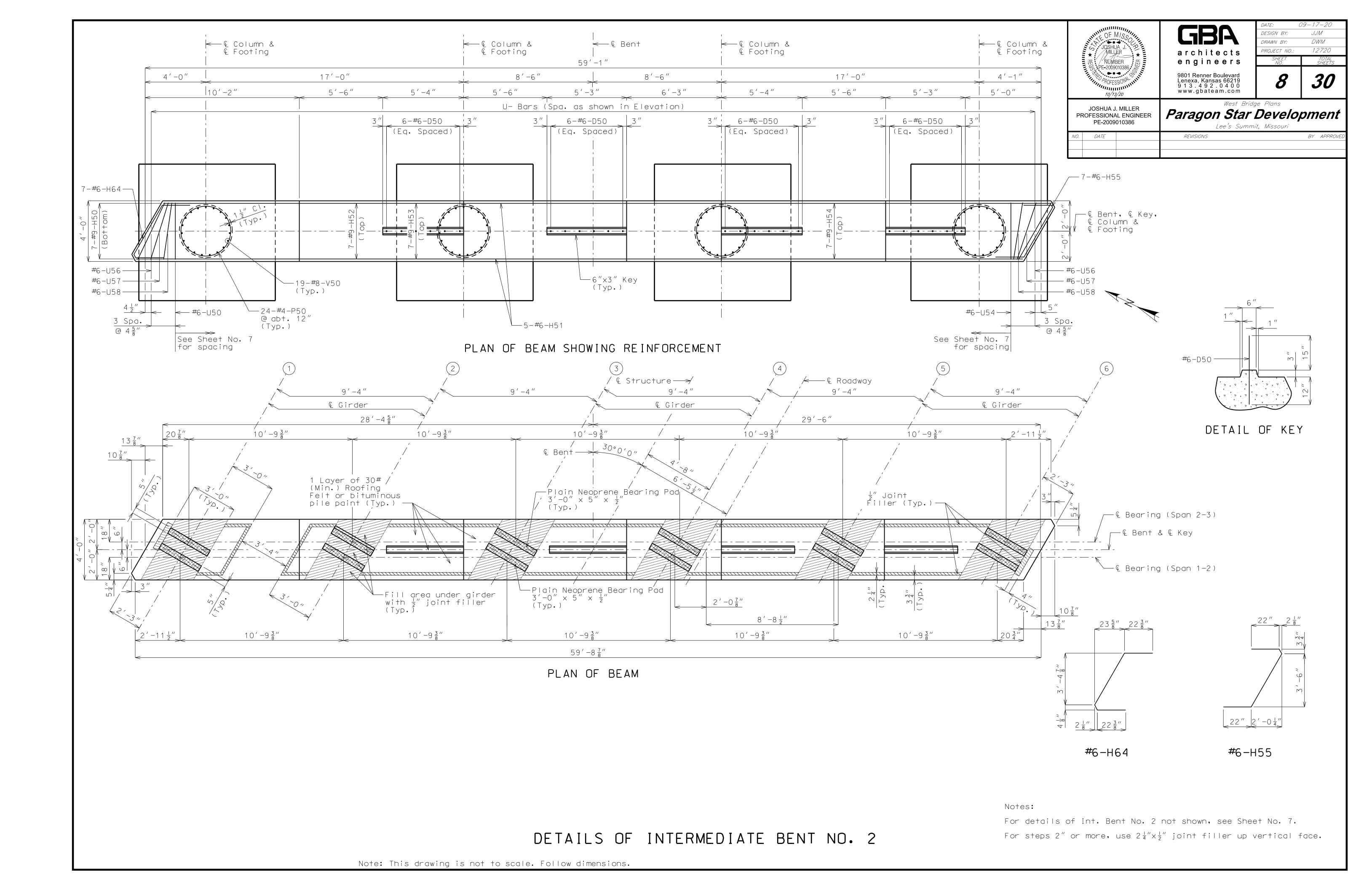
All drain pipe shall be sloped 1 to 2 percent.

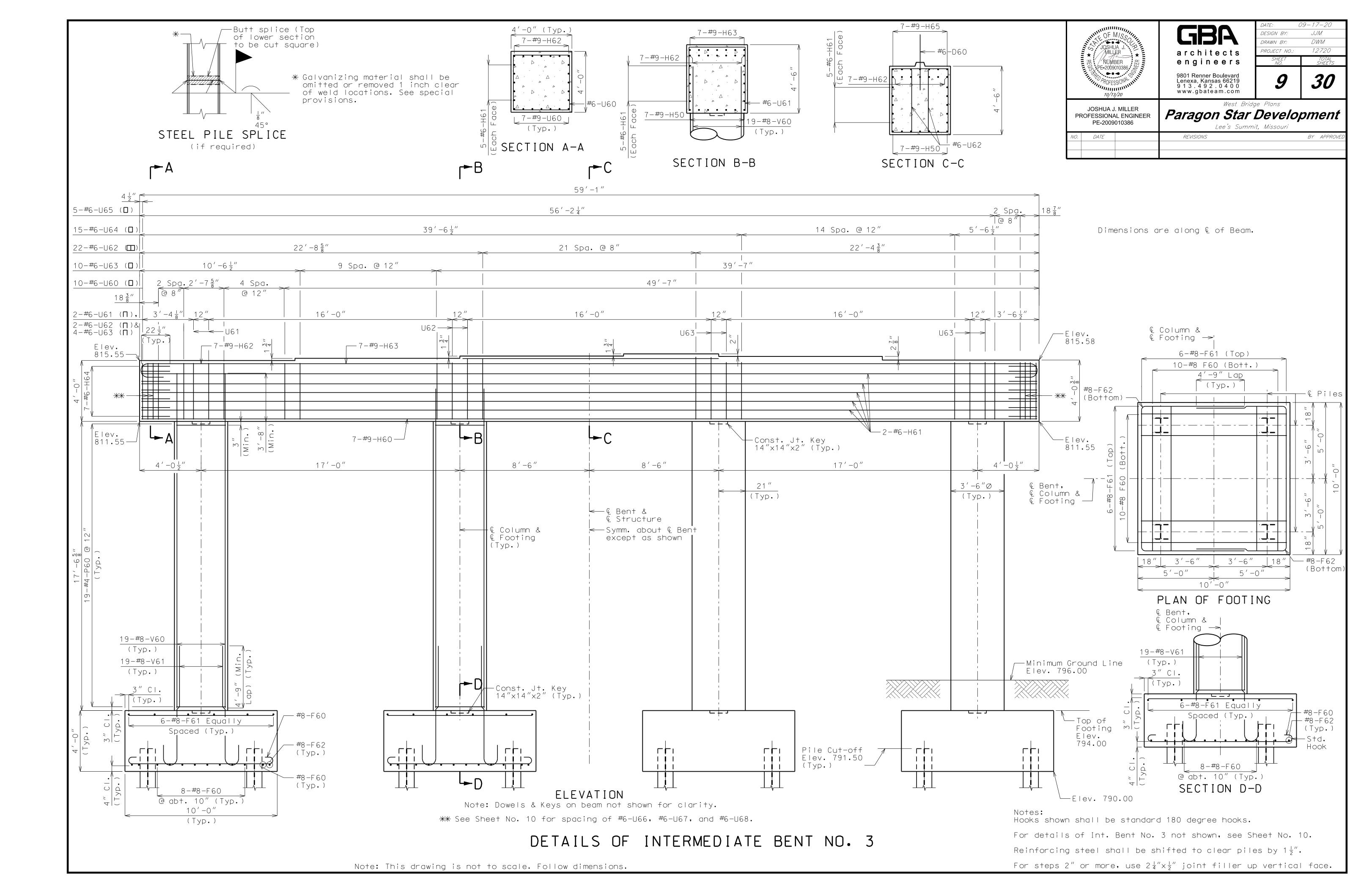
Drain pipe may be either 6-inch diameter corrugated metallic-coated steel pipe underdrain, 4-inch diameter corrugated polyvinyl chloride (PVC) drain pipe, or 4-inch diameter corrugated polyethylene (PE) drain pipe.

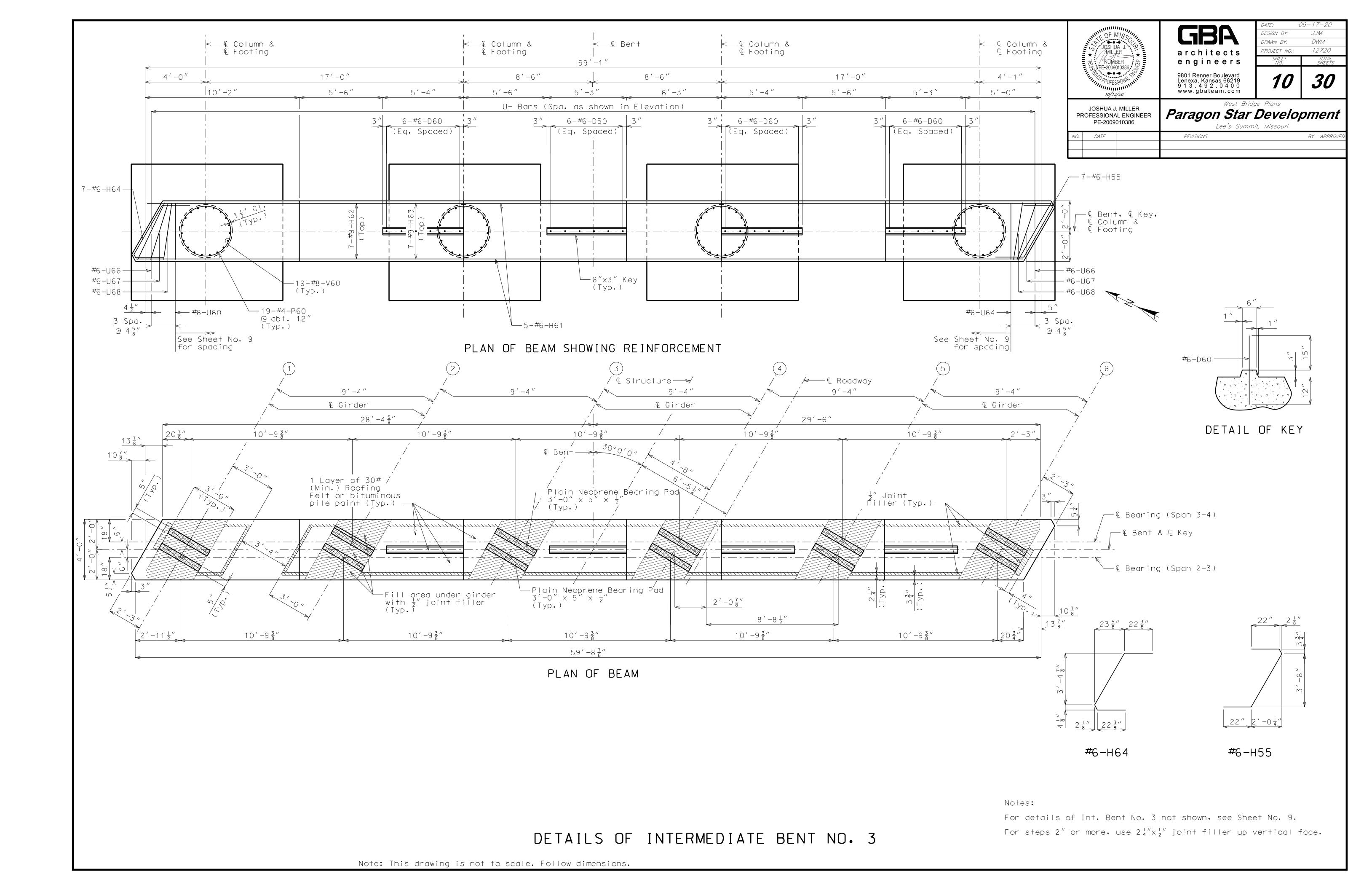
Drain pipe shall be placed at fill face of end bent and inside face of wings. The pipe shall slope to lowest grade of ground line, also missing the lower beam of end bent by a minimum of 1 1/2 inches.

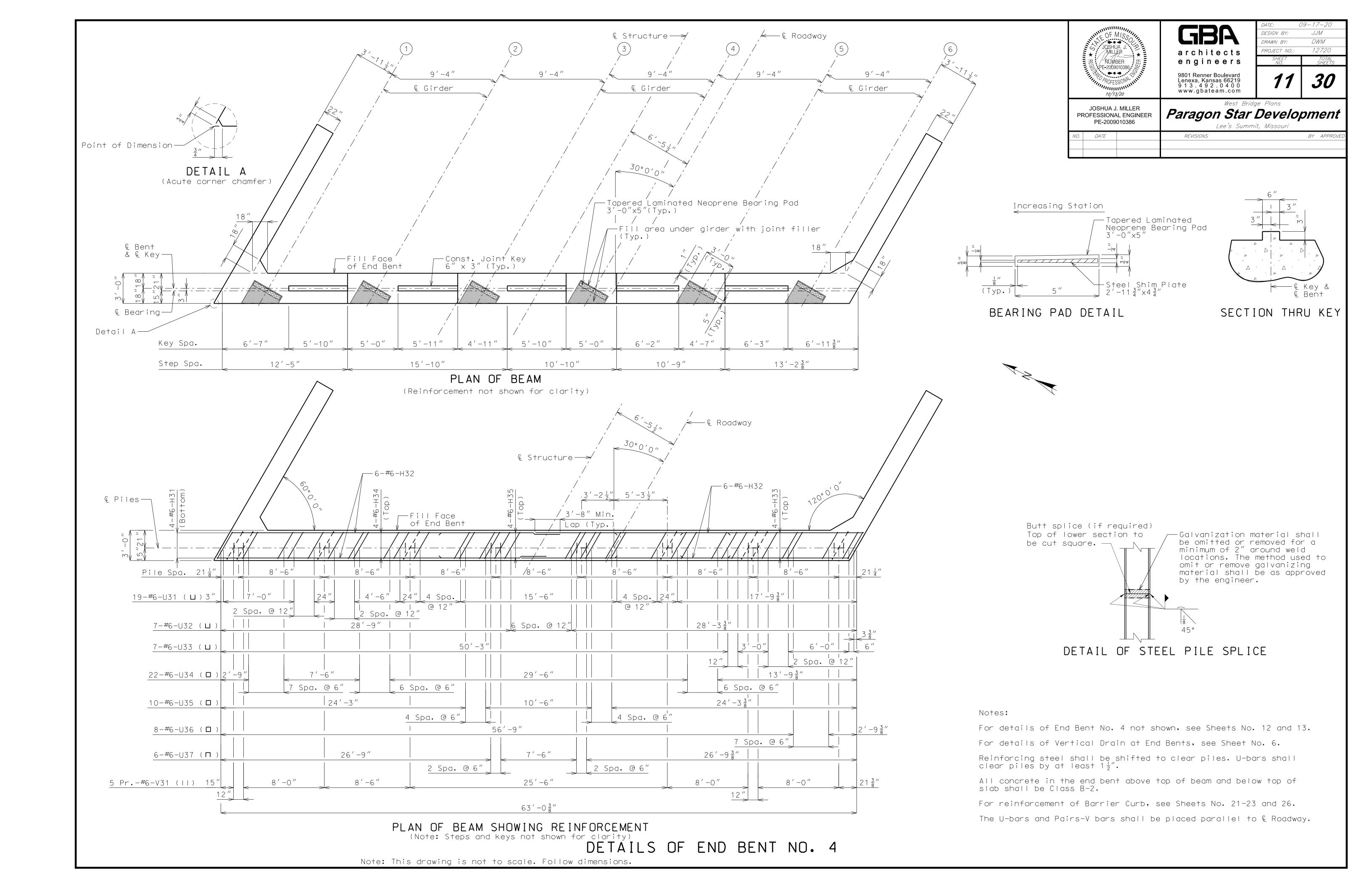
Perforated pipe shall be placed at fill face side and inside face of wings at the bottom of end bent and plain pipe shall be used where the vertical drain ends to the exit at ground line.

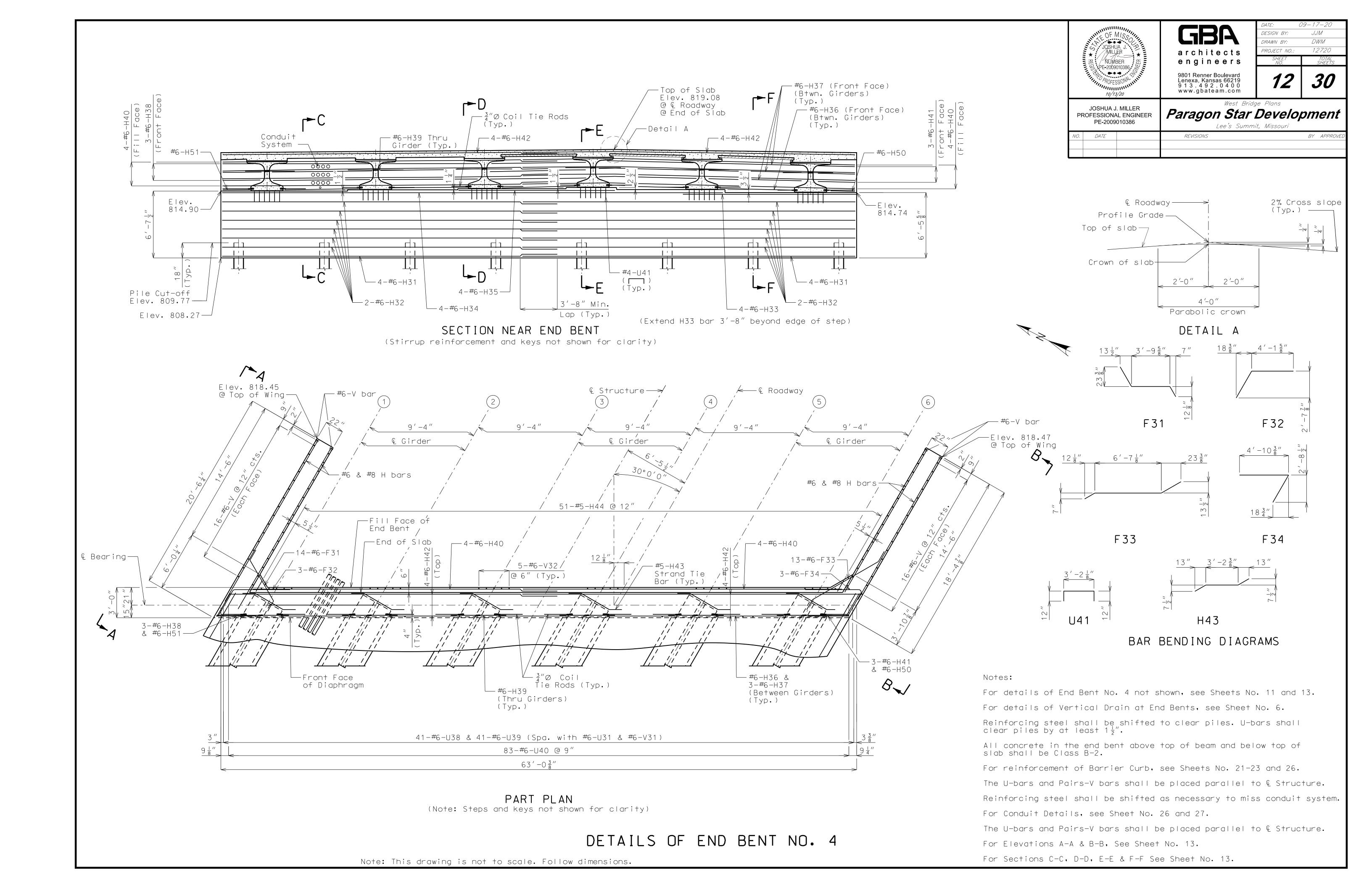


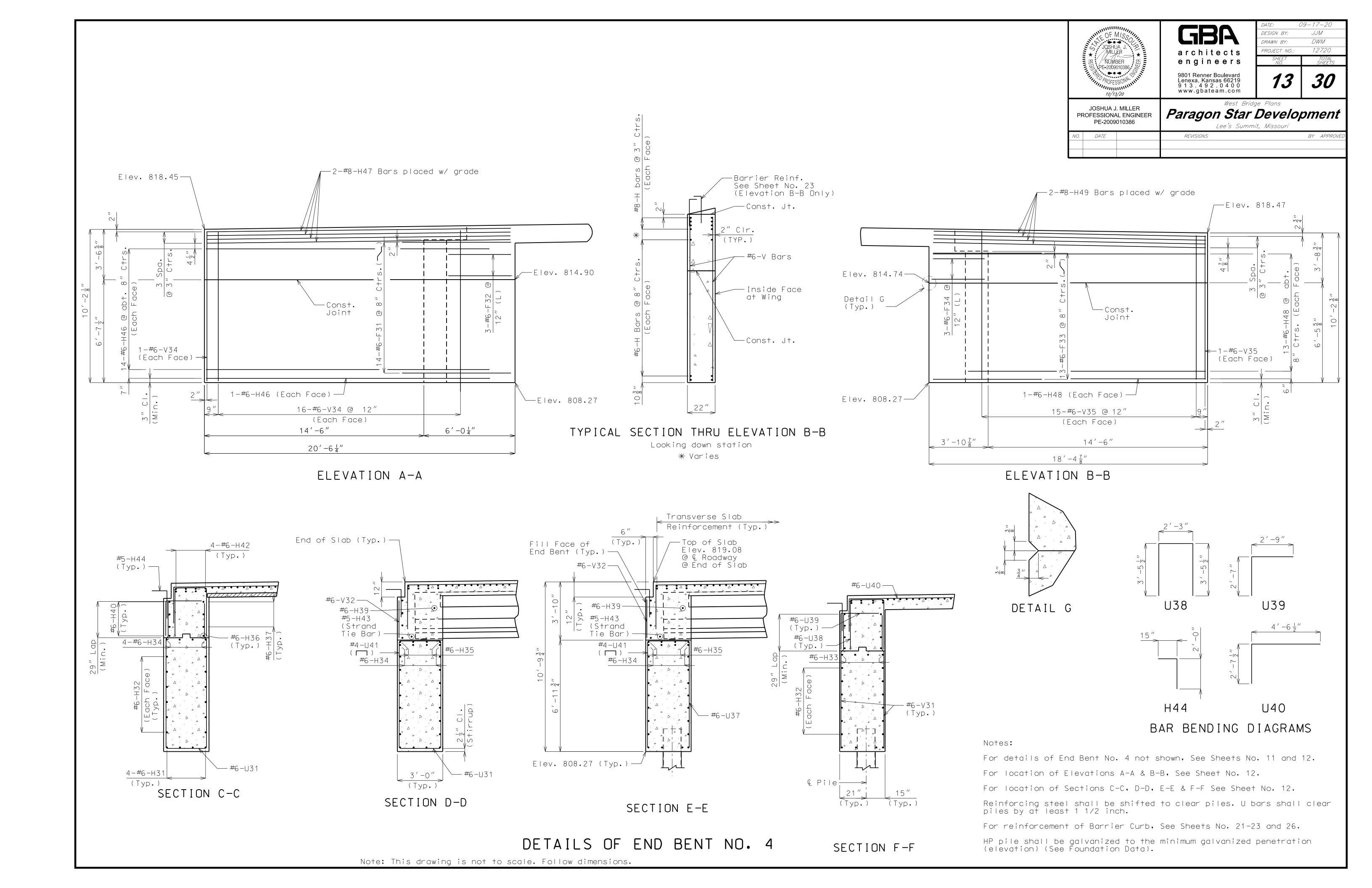


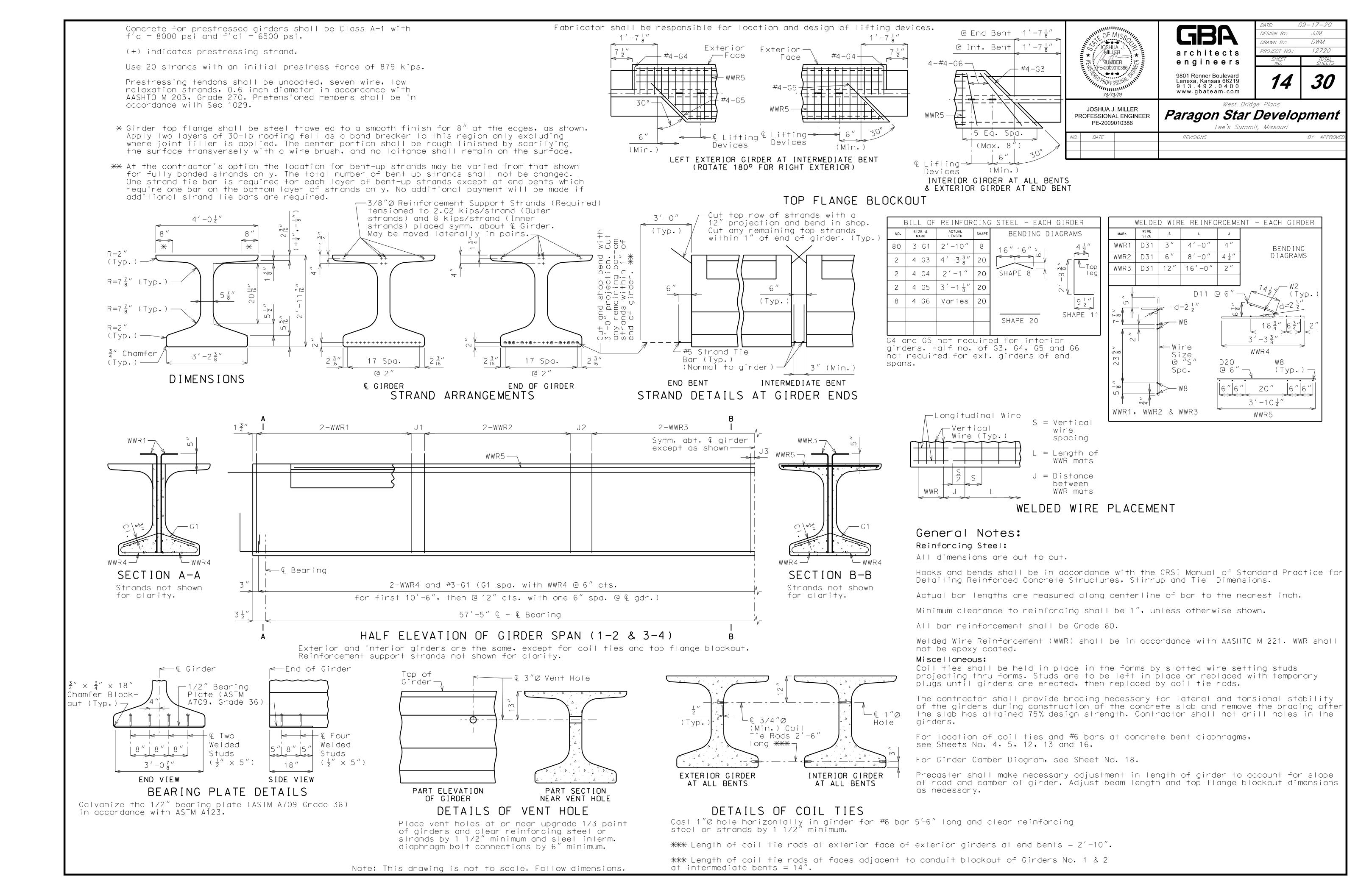


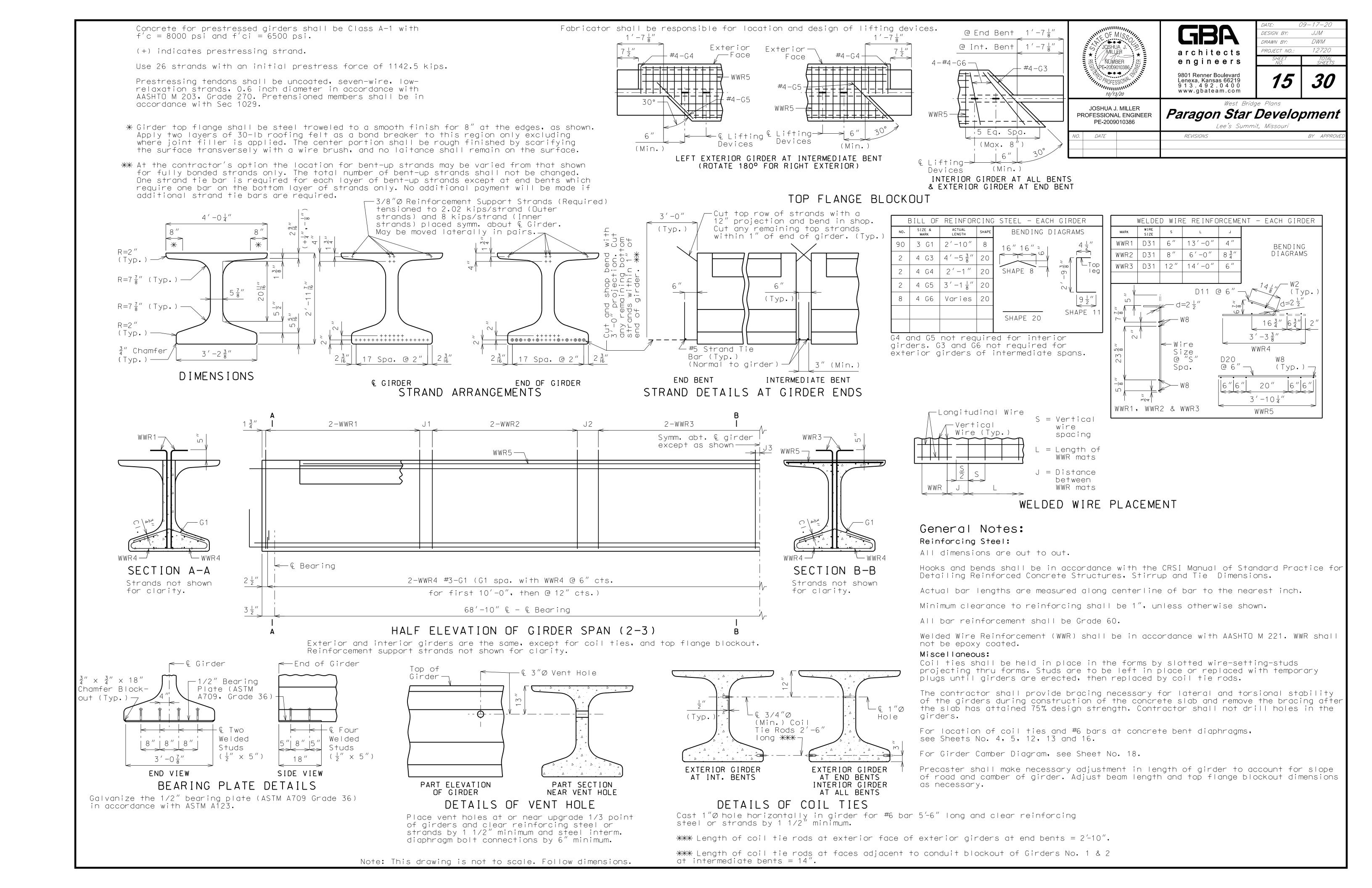


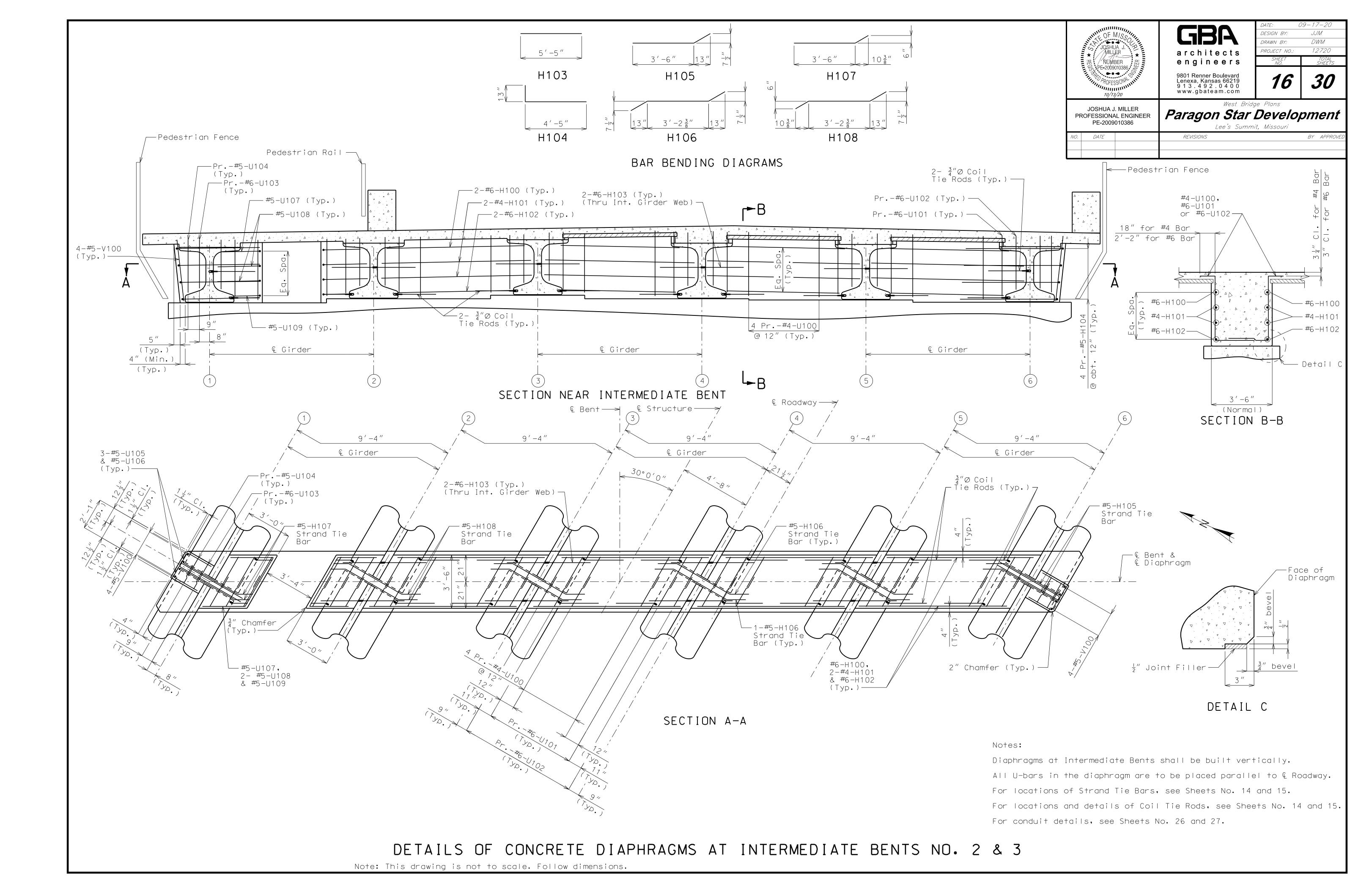


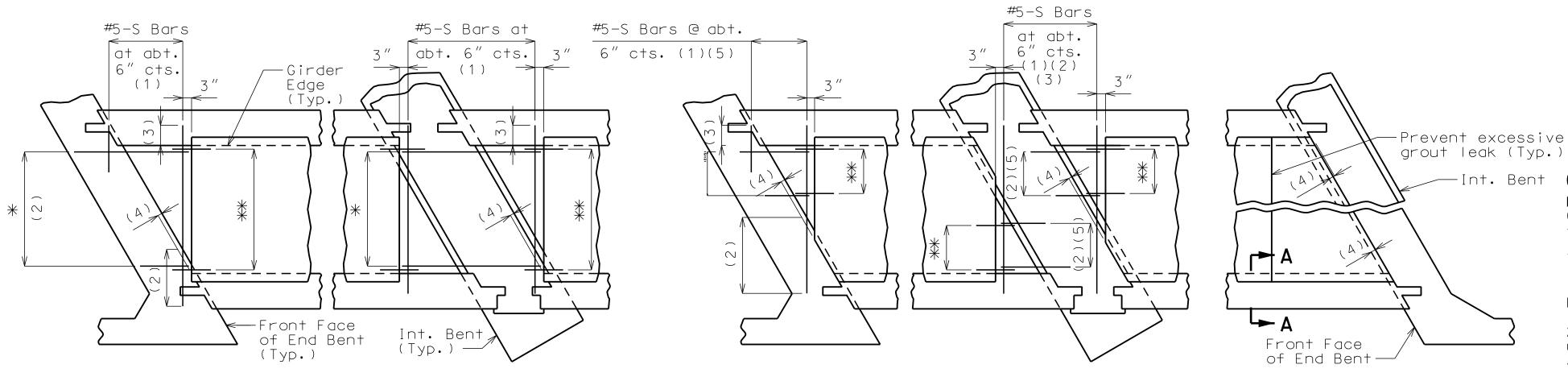








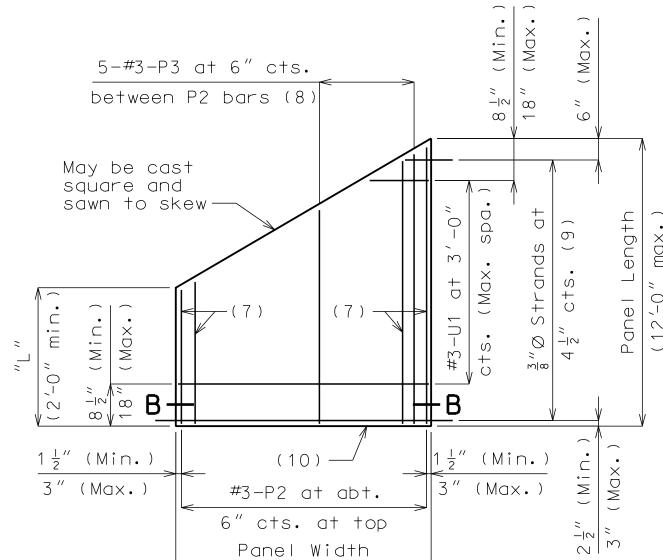




### SQUARED END PANELS OR TRUNCATED END PANELS

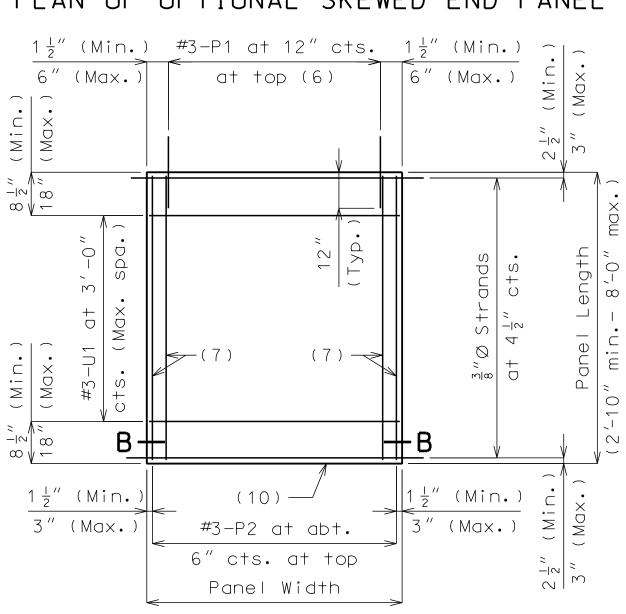
# PLAN SHOWING PANELS PLACEMENT

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



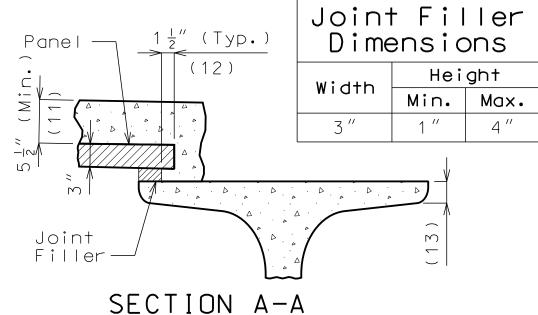
# PLAN OF OPTIONAL SKEWED END PANEL

Panel Width



PLAN OF SQUARED PANEL

# SKEWED END PANELS



# Reference Notes:

### Plan of Panels Placement:

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

- of end bents and int. bents for squared and truncated end panels only.
- (3) Extend S-bars 9 inches beyond edge of girder (Typ.).
- (4) End panels shall be dimensioned 1/2" min, to 1 1/2" max. from the inside face of diaphragm.
- (5) For truncated end panels, use a min. of #5-S than 2 feet. bars at 6" crossings in openings, or min.  $4 \times 4 - W7 \times W7$ .

### Plans of Panels:

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

- (7) #3-P2 bars near edge of panel at bottom (under strands).
- (8) Use #3-P3 bars if panel is skewed 45° or greater.
- (9) Any strand 2'-0'' or shorter shall have a #4 reinforcing bar on each side of it, centered between strands. Strands 2'-0" or shorter may then S-bars are not listed in the bill of reinforcing. be debonded at the fabricator's option.
- (10) Optional 1/2" x 45° Chamfer one or both sides at bottom.

### Section A-A:

- (11) Slab thickness over prestressed panels varies due to girder camber. In order to maintain Use Slab Haunching Diagram on Sheet No. 18 for determining thickness of joint filler minimum slab thickness, it may be necessary to raise the grade uniformly throughout the
- labor or materials required for necessary grade adjustment.
- under and between panels.
- (13) At the contractor's option, the variation in top of flange. slab thickness over prestressed panels may be eliminated or reduced by increasing and varying the girder top flange thickness. Dimensions shall be shown on the shop drawings.

# -Int. Bent **General Notes:**

### Prestressed Panels:

Concrete for prestressed panels shall be Class A-1 with f'c = 6,000 psi, f'ci = 4.000 psi.

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

NUMBER

.√PE**-**2009010386.

• • •

10/13/20

JOSHUA J. MILLER

PROFESSIONAL ENGINEER PE-2009010386

DATE

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SHEETS

DESIGN BY

DRAWN BY:

West Bridge Plans

Paragon Star Development

PROJECT NO.:

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

Initial prestressing force = 17.2 kips/strand.

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

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

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

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

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

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

All dimensions are out to out.

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

(2) Extend S-bars 18 inches beyond the front face Minimum clearance to reinforcing steel shall be 1 1/2", unless otherwise shown.

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

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

The following reinforcing steel shall be tied securely to the strands with the following maximum spacing in each direction: #3-P2 bars at 16 inches.

WWR at 24 inches.

required for panels at squared integral end bents. The #3-U1 bars shall be tied securely to #3-P2 bars, to WWR or to strands (when placed between P1 bars) at about 3-foot centers.

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

All reinforcement other than prestressing strands shall be epoxy coated.

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

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

Joint Filler: Joint filler shall be preformed fiber expansion joint material in accordance with

Sec 1057 or expanded or extruded polystyrene bedding material in accordance with Sec 1073.

within the limits noted in the table of Joint Filler Dimensions.

structure. No payment will be made for additional Thicker material may be used on one or both sides of the girder to reduce cast-in-place concrete thickness to within tolerances.

The same thickness of preformed fiber expansion joint material shall be used under any (12) Contractor shall ensure proper consolidation one edge of any panel except at locations where top flange thickness may be stepped. The maximum change in thickness between adjacent panels shall be 1/4 inch. The polystyrene bedding material may be cut with a transition to match haunch height above

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

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

# DETAILS OF PRESTRESSED PANELS

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

# $1\frac{1}{2}''$ (Min. $\frac{1}{2}$ " (Min.) Panel Width 3" (Max.) SECTION B-B 5-#3-P3 at 6" cts. between P2 bars (8) #3-P1 at 12" cts. M M X at top (6) \*\*\* $\infty$ $\leftarrow$ May be cast square and sawn to skew-× D X % MD W B#

L/4 : L/4 : L/4 : L/4

© Strand

BENDING DIAGRAM FOR U1 BAR

U1 Bars may be oriented at right angles to location and spacing shown. U1 Bars shall

#3-P2 at abt.

6" cts. at top

be placed between P1 bars.

3" (Min.)

(Typ.)

3/8″Ø

Strand—

 $\infty \sqrt{\phantom{a}}$ 

 $1\frac{1}{2}''$  (Min.)

3" (Max.)

PLAN OF OPTIONAL TRUNCATED END PANEL \*\*\* 3" (Min.), 6" (Max.)

(10) —

#3-P2 at abt.

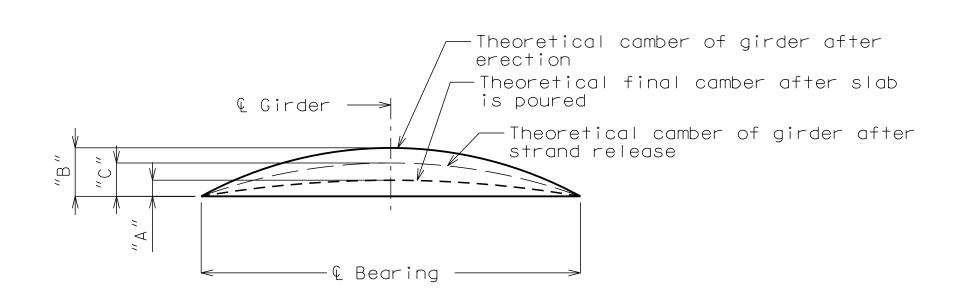
6" cts. at top

Panel Width

 $\frac{1}{2}$ " (Min.)

(Max.)

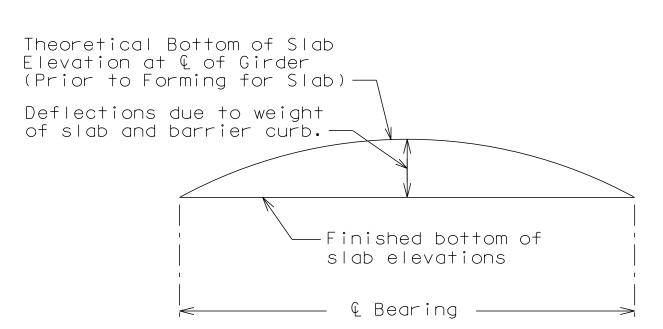
2/m



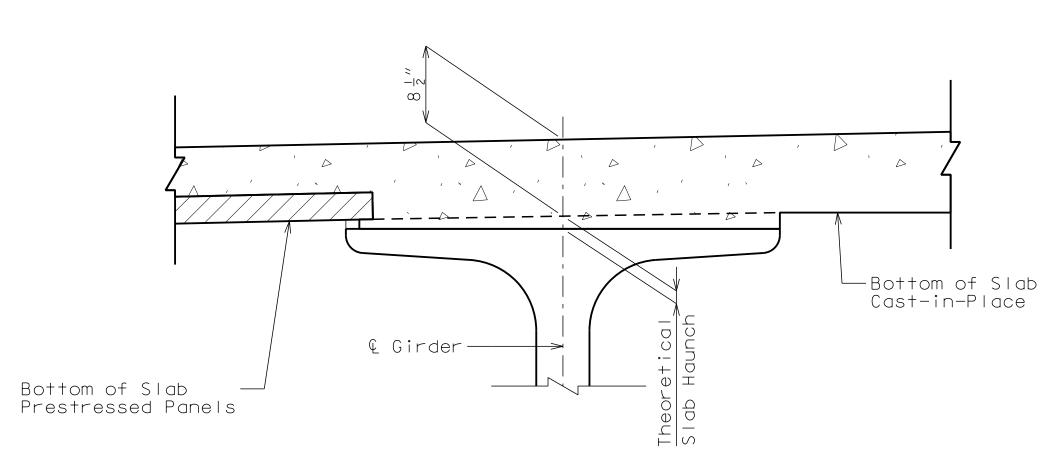
|                       | S           | Span (1-2 | 2)          | S           | pan (2-3     | 3)   | Span (3-4)  |     |             |
|-----------------------|-------------|-----------|-------------|-------------|--------------|------|-------------|-----|-------------|
|                       | "A"         | "B"       | "C"         | "A"         | "B"          | "C " | "A"         | "B" | "C"         |
| Ext. Prestressed Beam | <u>5</u> // | 1 "       | <u>3</u> // | <u>3</u> // | 1 <u> </u> " | 1 "  | <u>5 </u> 8 | 1 " | <u>3</u> // |
| Int. Prestressed Beam | 1/2         | 1         | 4           | <u>5</u> // | 1 4          | _    | <u>l</u> "  |     | 4           |

## GIRDER CAMBER DIAGRAM

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



TYPICAL SLAB ELEVATIONS DIAGRAM



# THEORETICAL SLAB HAUNCH

| Girder No. 1   | 7   2            | 1 1/8            | Z = Z                           | ~<br>- 8<br>  | 1 1/8                                  | , 2                                      | 2 55 "        | 2 52 %  | 2 3 "                                 | \<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\ | - C                                     | 2 "      | 2              | 2             | 1 2 1       |
|----------------|------------------|------------------|---------------------------------|---------------|--|--|---------------|---|---------------------------------------|---|---|----------|----------------|---------------|-------------|
| Girder No. 2   | 7<br>%   %       | , 2              | ~<br>- ®<br>C                   | × ~           | 12                                     | 7<br>8 5                                 | 2 8 33        | \<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\ | ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ | 7 4 / 7   | 7 × 4 × × × × × × × × × × × × × × × × × | , 2      | × = 2<br>8 = 2 | , 2           | 25 × 8      |
| Girder No. 3   | 1 3 /            | / <sub>8</sub> Z | 2 / <sub>4</sub> / <sub>4</sub> | ~<br>- ®<br>~ | 7<br>8 5                               | ۲ کا | 2 = "         | S 4 %   | 2 = "                                 | 1 7 // 8  | 13 /                                    | 2 × 8    | ., 2           | ν<br>2   4    | 13 //       |
| Girder No. 4   | 1 5 // 8         | 2 "              | Z = "                           | ,, 2          | 1 5 / 8                                | 1 3 //                                   | 2 = "         | 2 3 %   | 2 = 1 //                              | 1 7 // 8  | 1 3 //                                  | 2 "      | 1 3 /          | 1 2 /         | ~ \<br>8 5; |
| Girder No. 5   | 7 2              | 1 7 1/8          | - ∞                             | <u>"</u> 2    | \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ | E 4                                      | > - Z         | S 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8   | 2 5 %                                 | , 2   | 1 7 / 8                                 | 1 7 / 8  | 1 5 %          | 2 -           |             |
| Girder No. 6   | 7<br>8<br>5<br>8 | <u>`</u> \       | - ∞                             | <u>"</u> 2    | 12                                     | 7<br>8<br>8                              | 2 33<br>8   3 | 2 8 5   | × -   2<br>  2   2                    | , 2   | 1 7 / 8                                 | 1 7 / 8  | 2   -   2      | 7<br>8<br>, 8 | 2<br>8<br>8 |
| Bottom of Slab |                  |                  |                                 |               |  |  |               |   |                                       |   |   |          |                |               |             |
| Top of Gird    | er—              |                  |                                 |               |  |  |               |   | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |   |   |          |                |               |             |
|                |                  |                  |                                 |               | V                                      |  |               |   |                                       |   | <b>\</b>                                |          |                |               |             |
|                | •                | € 4              | equal                           | space         | S >                                    | •  | 4             | equal   | space                                 | S   | -                                       | <u>4</u> | equal          | space         | ?S<br>>     |
|                |                  | <                | -£ Bea                          | ring-         | >                                      |  |               | · (L. Bec   | nring—                                | >   | _                                       | <        | · & Bec        | ıring—        | >           |
|                |                  | <                | 57′-                            | -5 "          | >                                      | •  | <             | 68′-  | -10″                                  | <b>&gt;</b>   |   | <        | 57′            | -5 <i>"</i>   | <u> </u>    |

# THEORETICAL SLAB HAUNCHING DIAGRAM

SPAN (2-3)

DESIGN BY:

DRAWN BY: PROJECT NO.:

Paragon Star Development

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architects engineers

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10/13/20

JOSHUA J. MILLER

PROFESSIONAL ENGINEER

PE-2009010386

DATE

SPAN (3-4)

JJM DWM

30

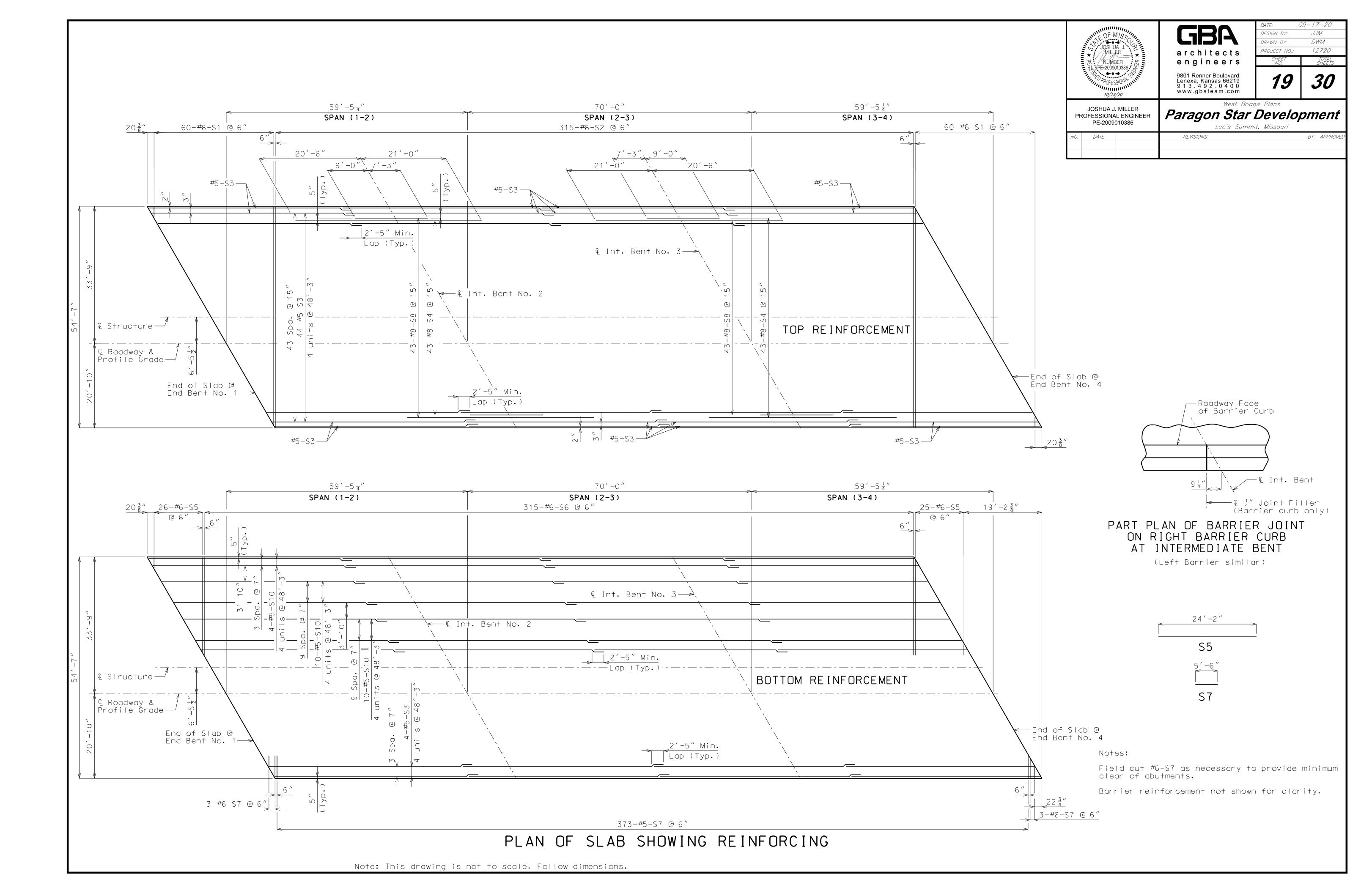
BY APPROVE

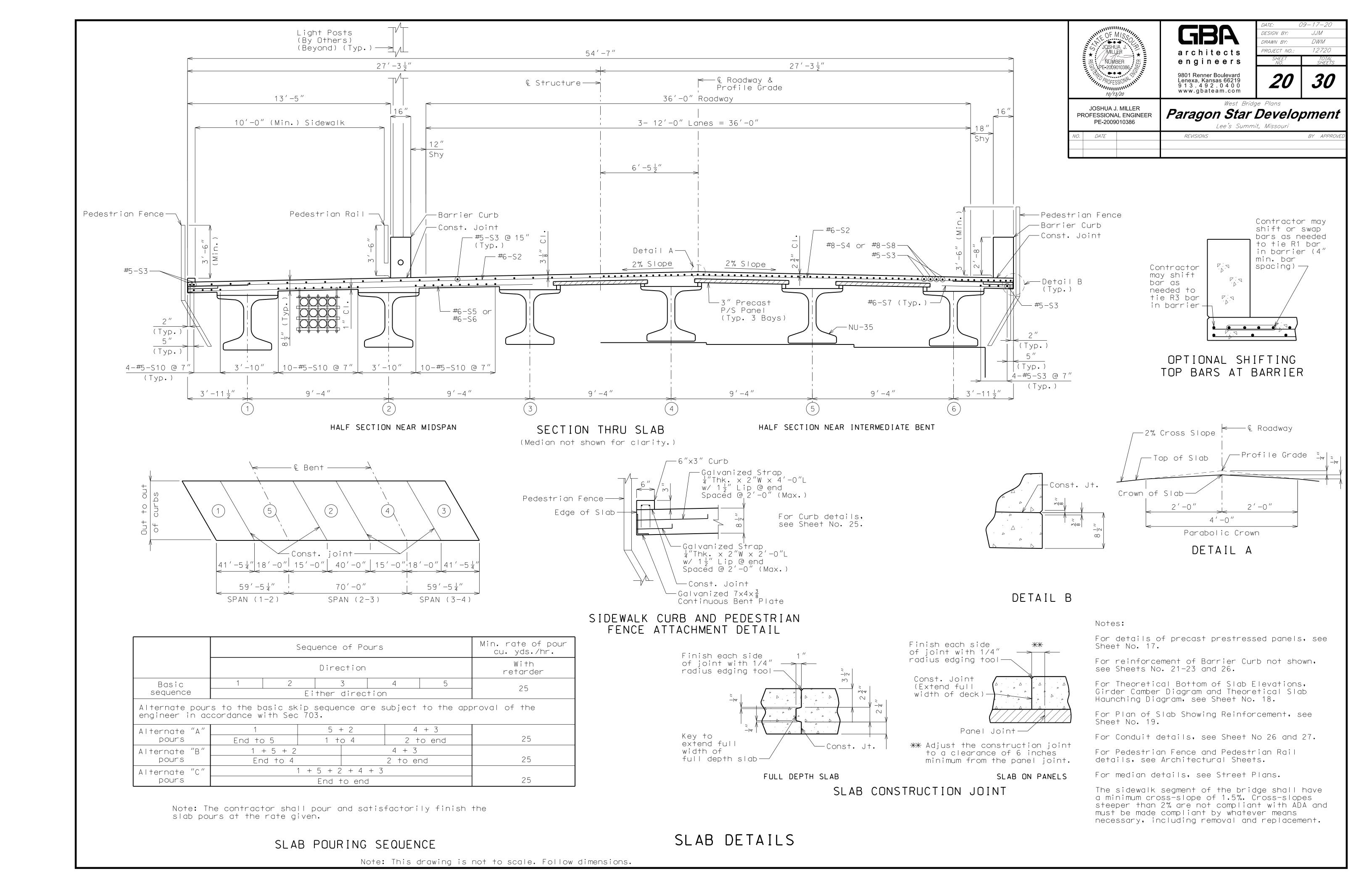
If girder camber is different from that shown in the camber diagram, in order to maintain minimum slab thickness, an adjustment of the slab haunches, an increase in slab thickness or a raise in grade uniformly throughout the structure shall be necessary. No payment will be made for additional labor or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

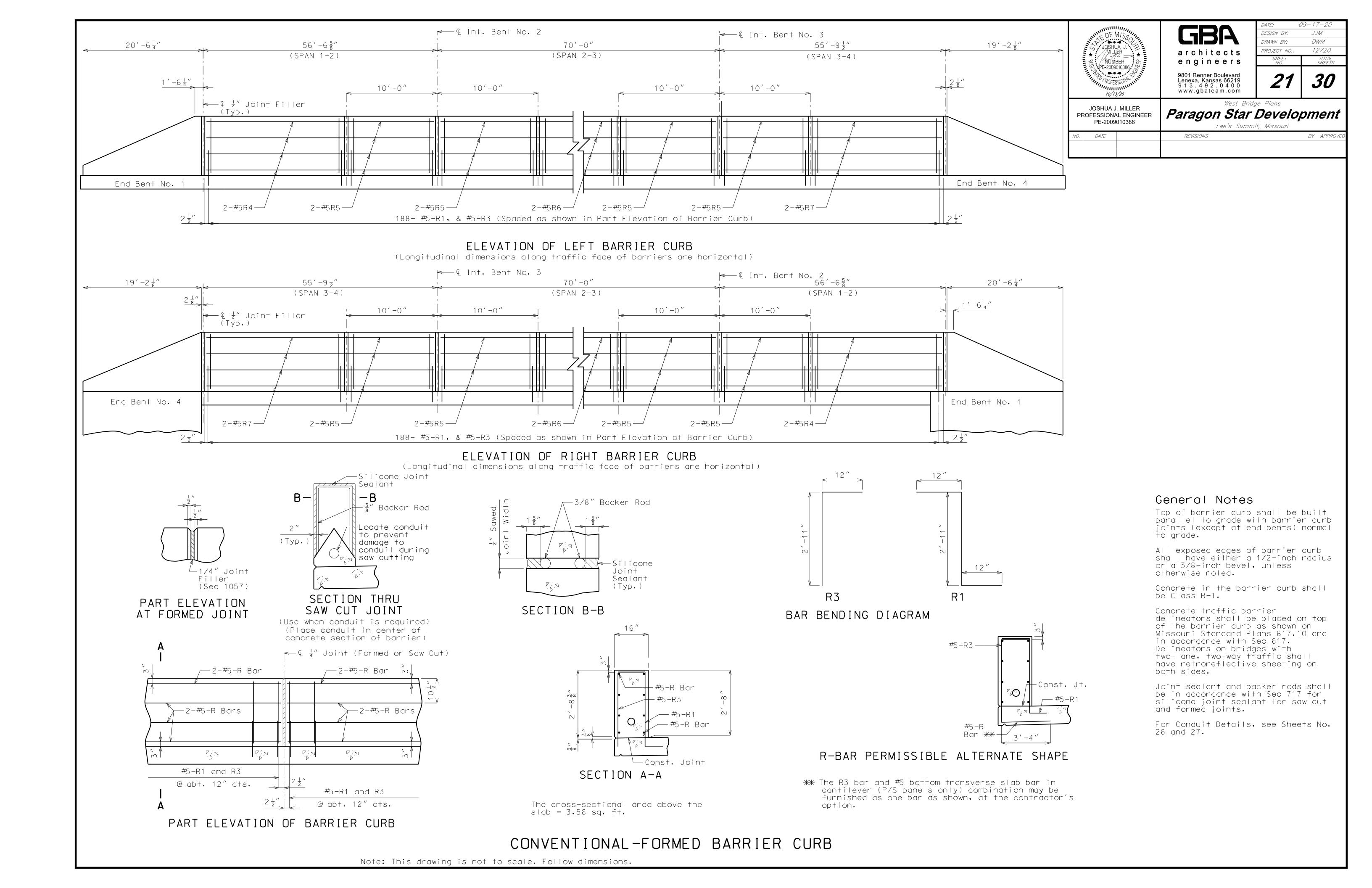
SPAN (1-2)

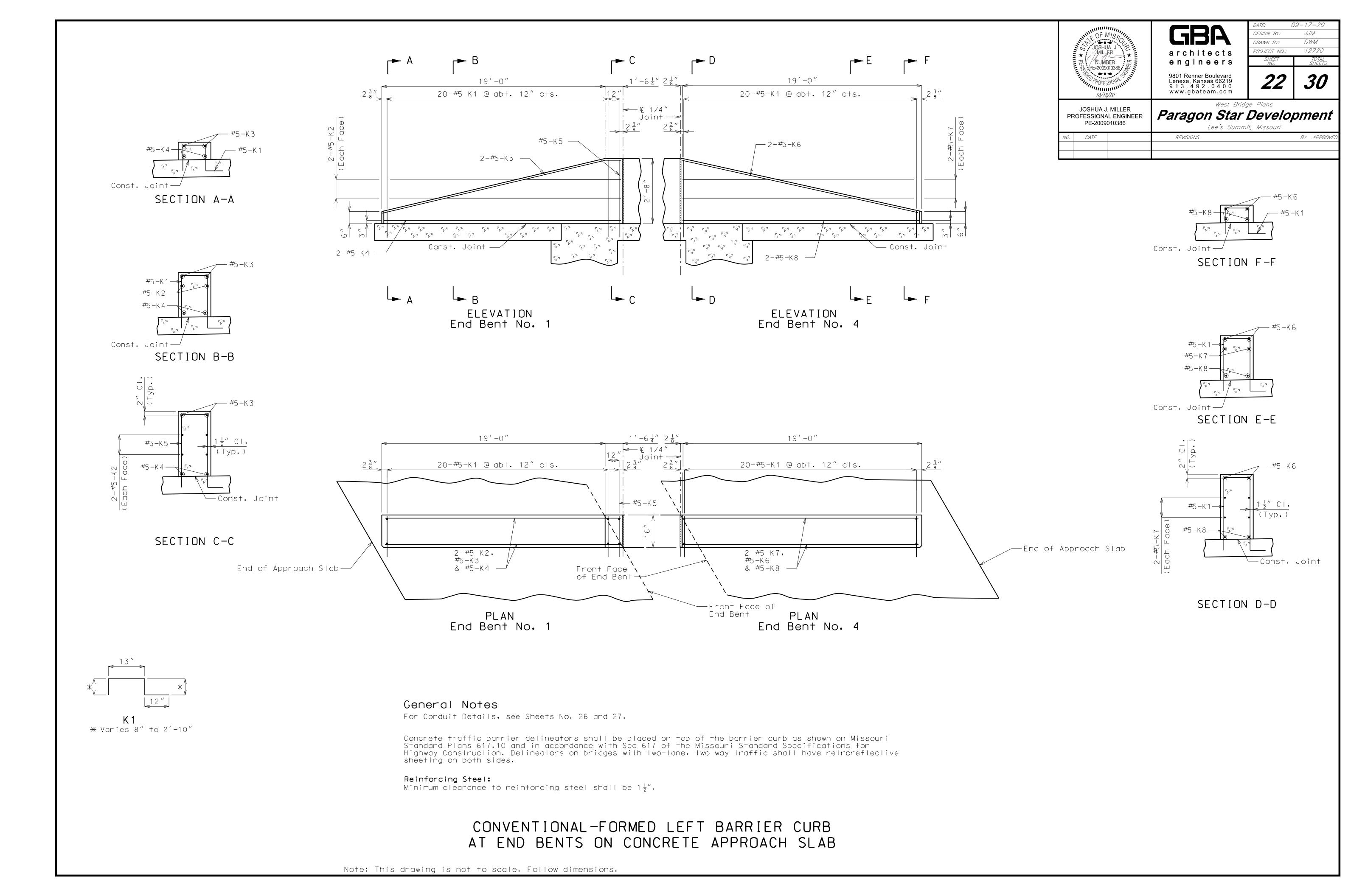
|              | Theoretical Bottom of Slab Elevations at Centerline of Girder<br>(Prior to forming for slab) |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|--------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------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

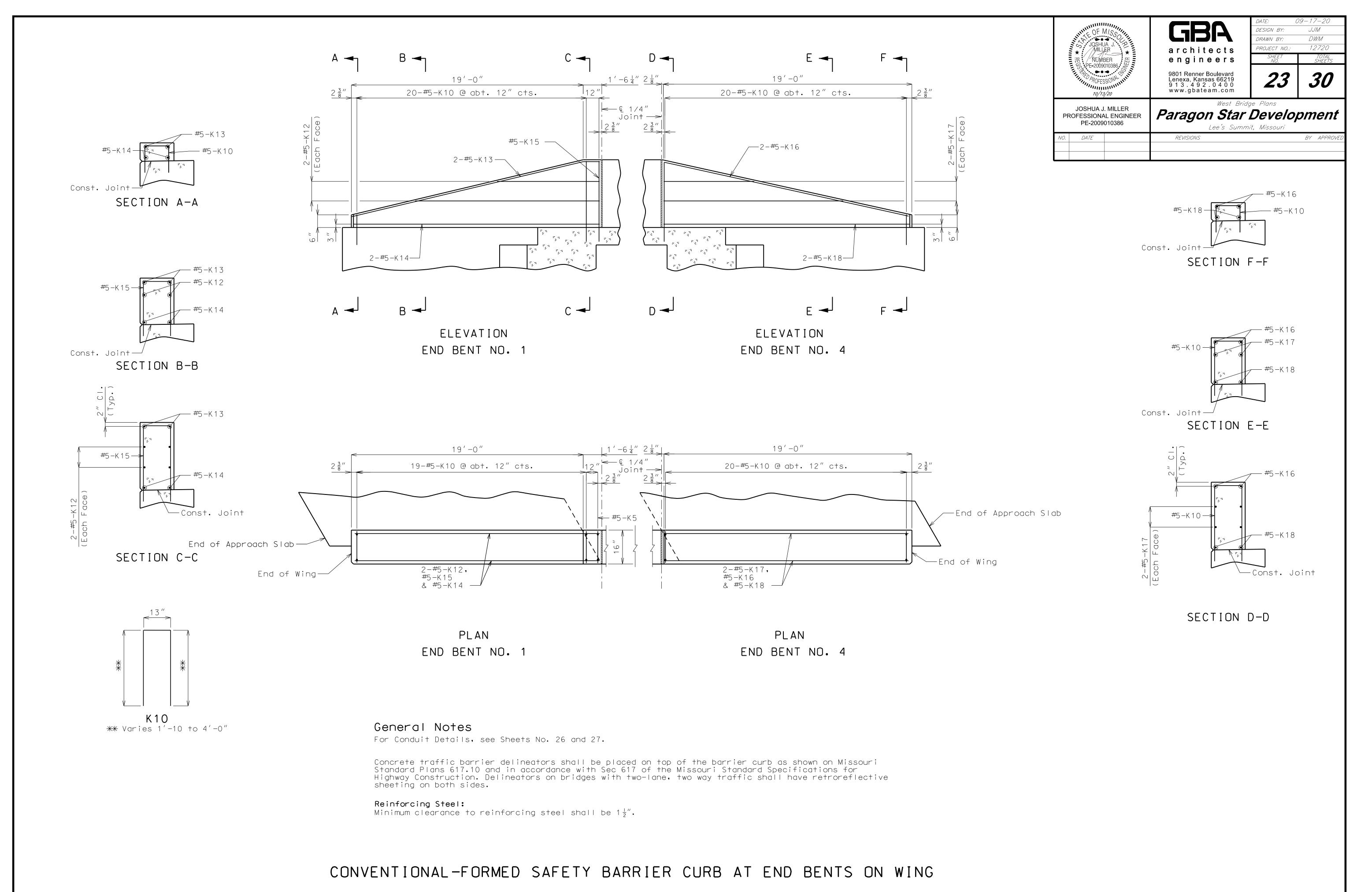
Elevations are based on a constant slab thickness of  $8\frac{1}{2}''$  and include allowance for theoretical dead load deflections due to weight of slab (including precast panel where appropriate) and barrier curb.



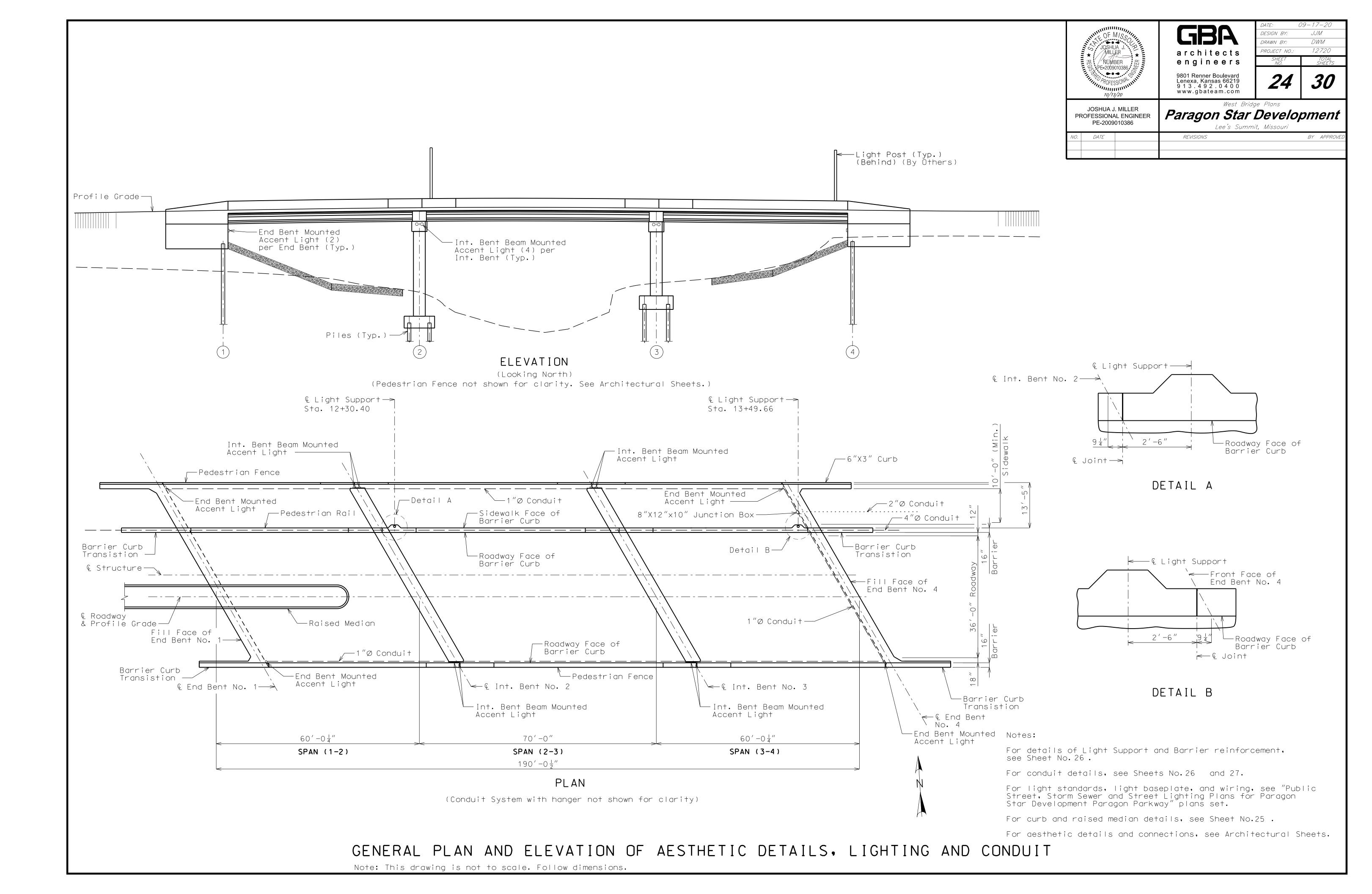


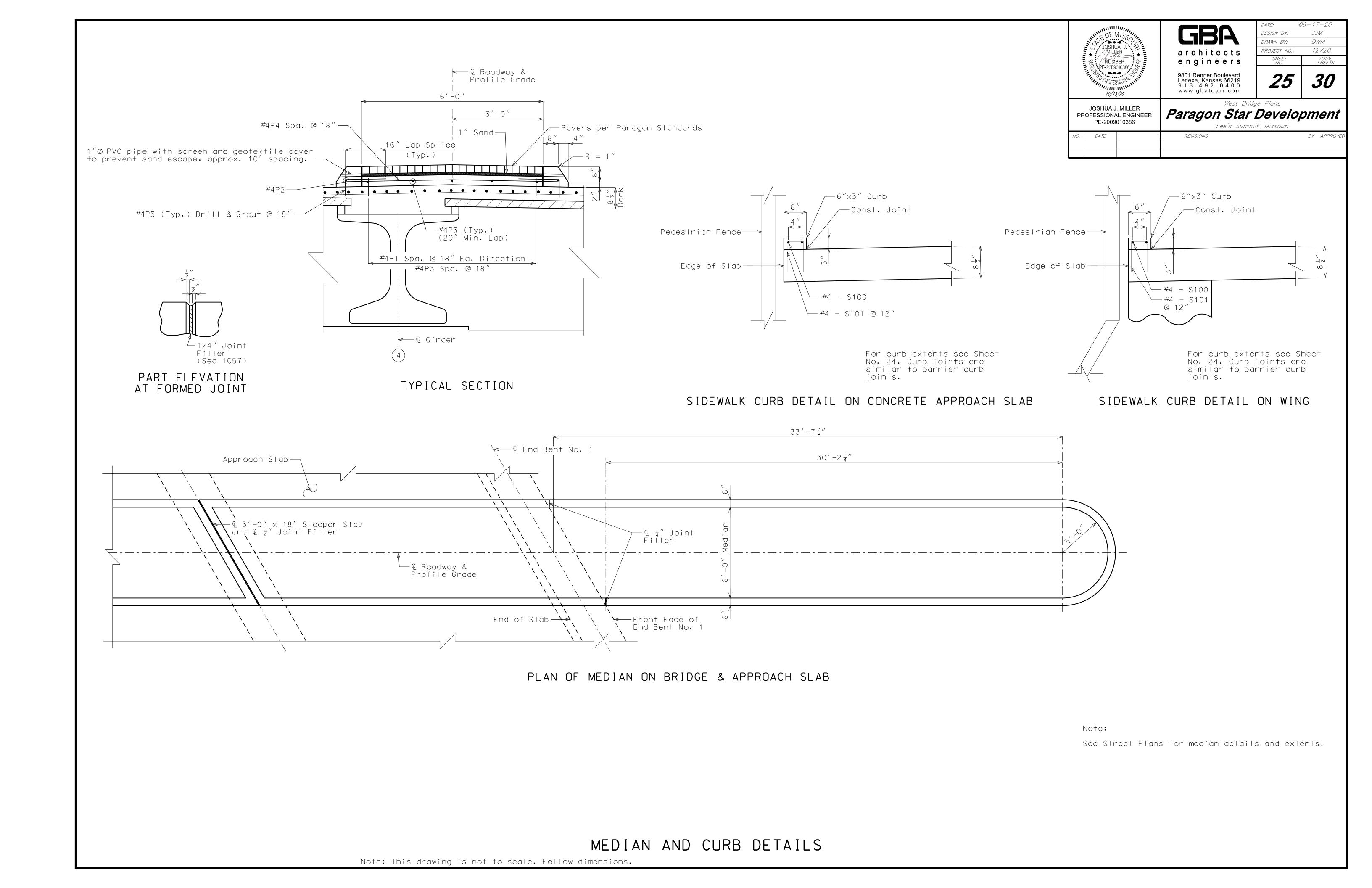






Note: This drawing is not to scale. Follow dimensions.





### Notes:

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

- All conduits shall be rigid nonmetallic schedule 40 heavy wall polyvinyl chloride (PVC) with 3" minimum cover in concreté. 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.

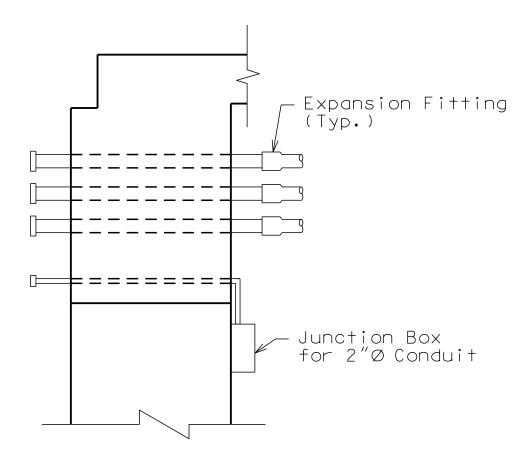
All 1" and 2" diameter conduits shall be secured to concrete with nonmetallic clamps at about 5'-0" cts. Concrete anchors for clamps shall be in accordance with Federal Specification FF-S-325, Group II, Type 4, Class I and shall be galvanized in accordance with ASTM A153, B695-91 Class 50 or stainless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

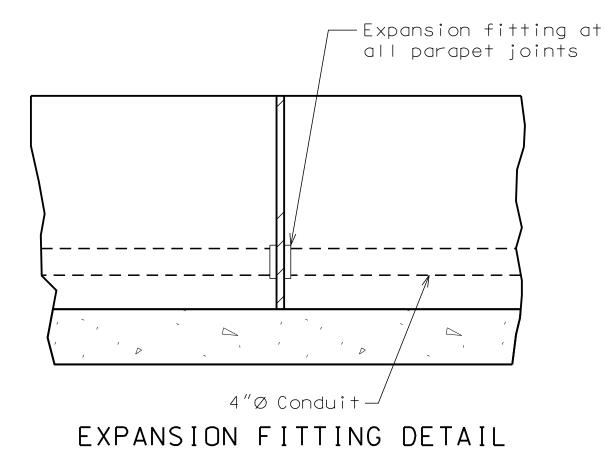
City Construction Personnel: Indicate in field and on bridge plans for future work the exact location of buried conduit at ends of bridge that are capped and not immediately used.

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.



## TYPICAL SECTION AT END BENT SHOWING CONDUIT SYSTEM





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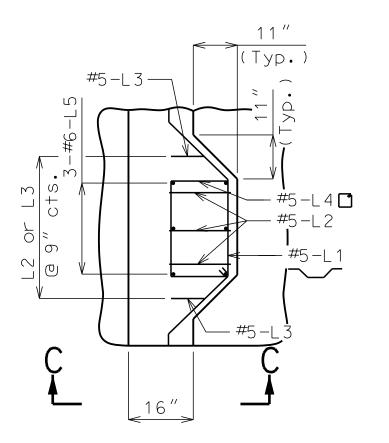
JJM

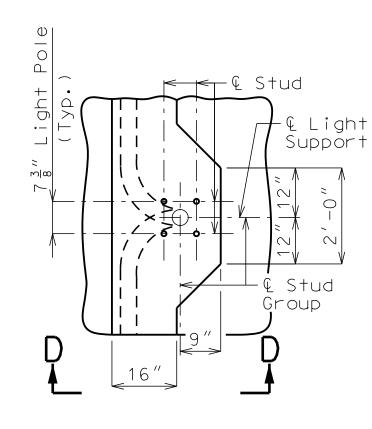
DESIGN BY:

JOSHUA J. MILLER PROFESSIONAL ENGINEER PE-2009010386

Paragon Star Development

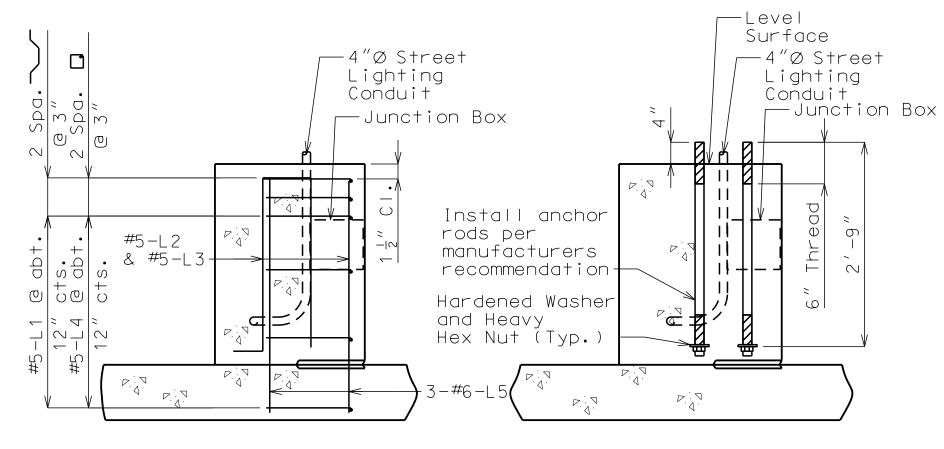
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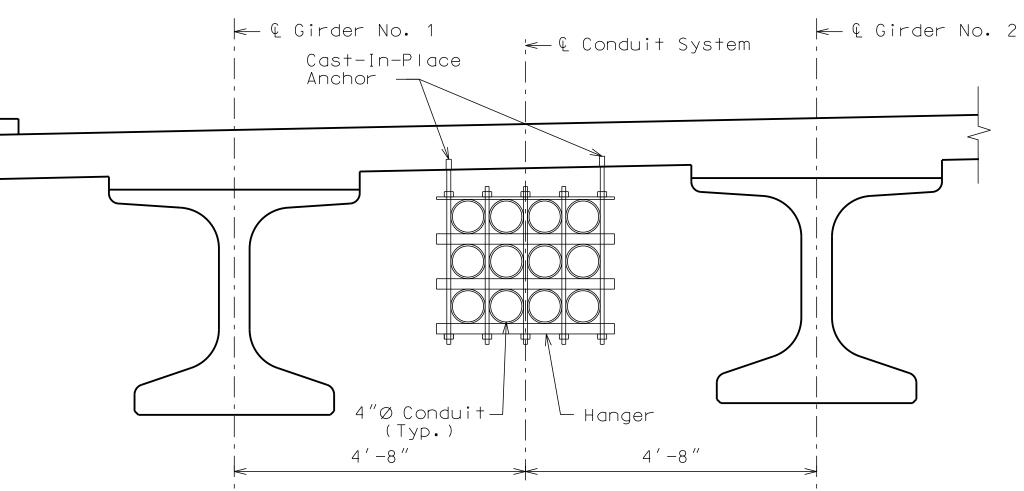
PART PLAN

PART PLAN



(Conduit not shown for clarity)

LIGHT SUPPORTS ON LEFT BARRIER



2'-8"

SECTION C-C

 $7\frac{1}{2}$ " L3  $22\frac{1}{2}''$ L 4 L2 & L3

14" L2

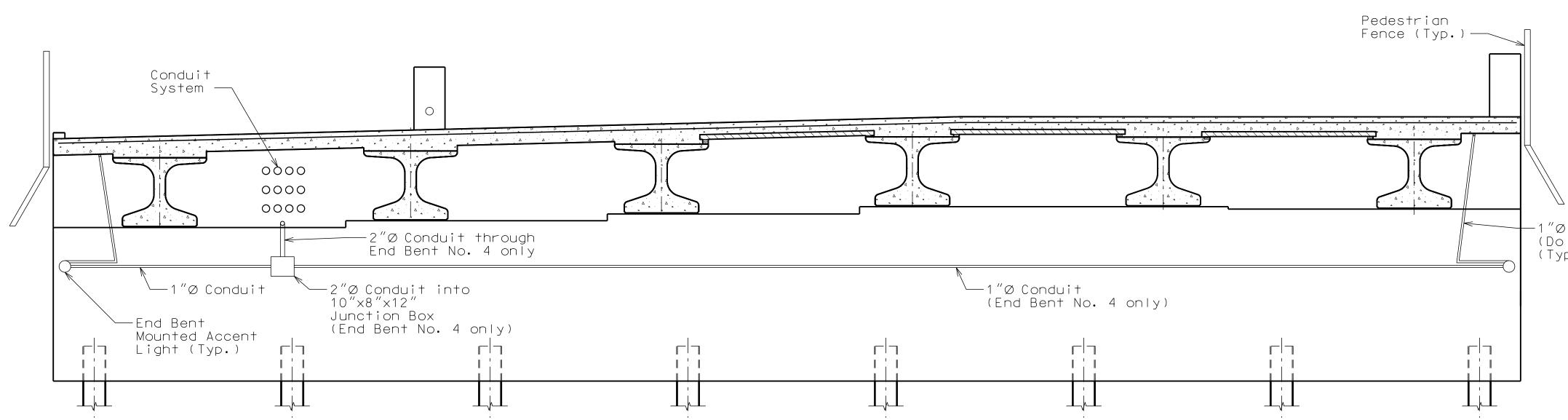
SECTION D-D

BENDING DIAGRAMS

CONDUIT SYSTEM HANGER DETAIL

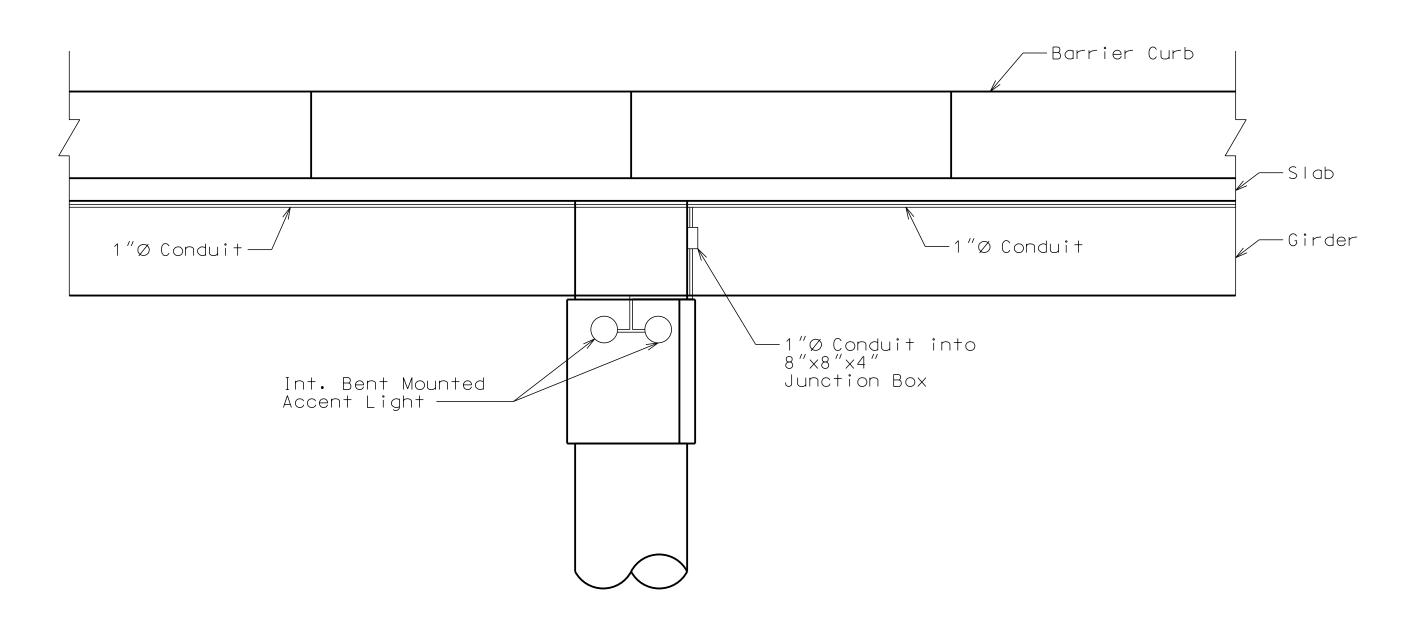
9'-4"

CONDUIT DETAILS



# TYPICAL END BENT ELEVATION SHOWING LIGHTING AND CONDUIT

(End Bent No. 4 shown, End Bent No. 1 similar)



# TYPICAL INT. BENT ELEVATION SHOWING LIGHTING AND CONDUIT

(Right fascia shown, left fascia similar)



DATE

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PROJECT NO.: 12720

SHEET TOTAL SHEETS

27 30

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PROFESSIONAL ENGINEER
PE-2009010386

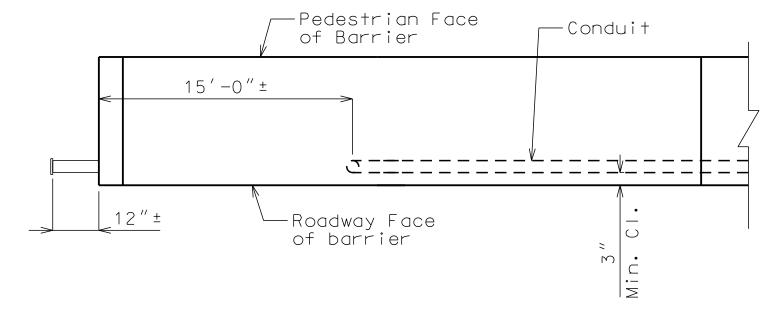
Paragon Star Development

Lee's Summit, Missouri

REVISIONS

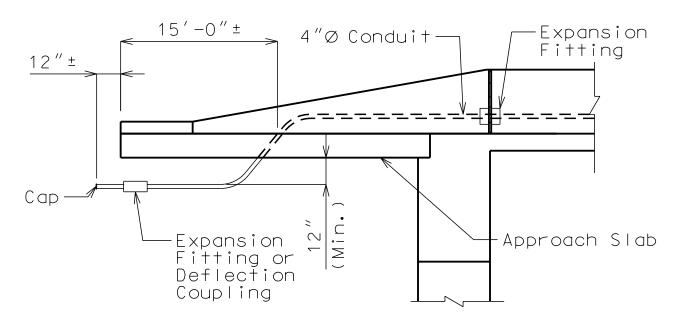
BY APPROVED

-1"Ø Conduit attached to deck (Do not attach to girder) (Typ. both sides)



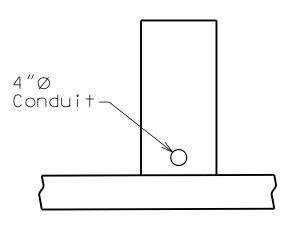
# PLAN AT LEFT BARRIER CURB

(Left barrier at End Bent No. 1 shown, left barrier at End Bent No. 4 similar)



# ELEVATION SHOWING CONDUITS NEAR END BENTS AT LEFT BARRIER CURB

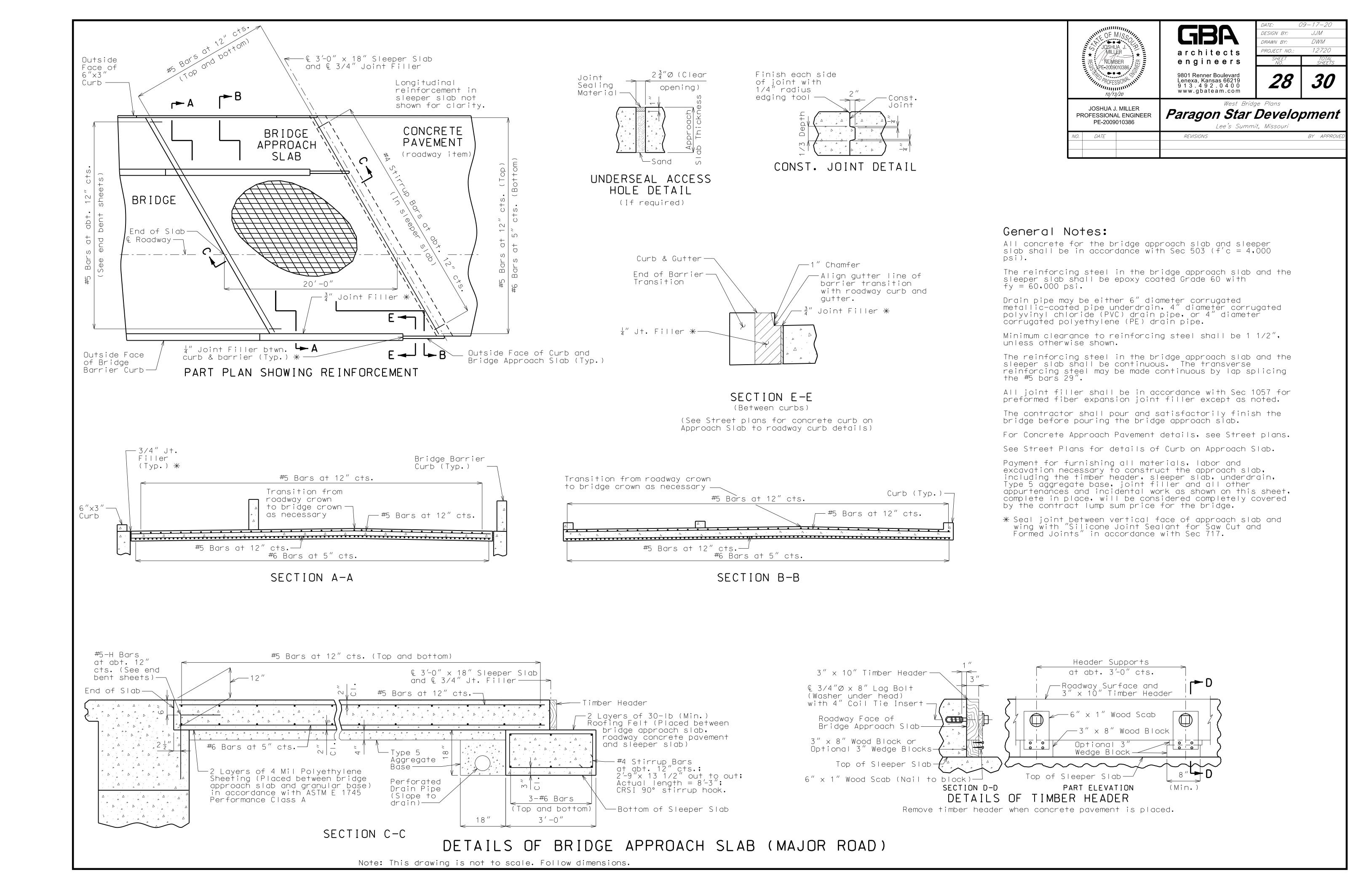
(Left barrier at End Bent No. 1 shown, Left barrier at End Bent No. 4 similar)



TYPICAL SECTION
OF LEFT
BARRIER CURB

CONDUIT DETAILS

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





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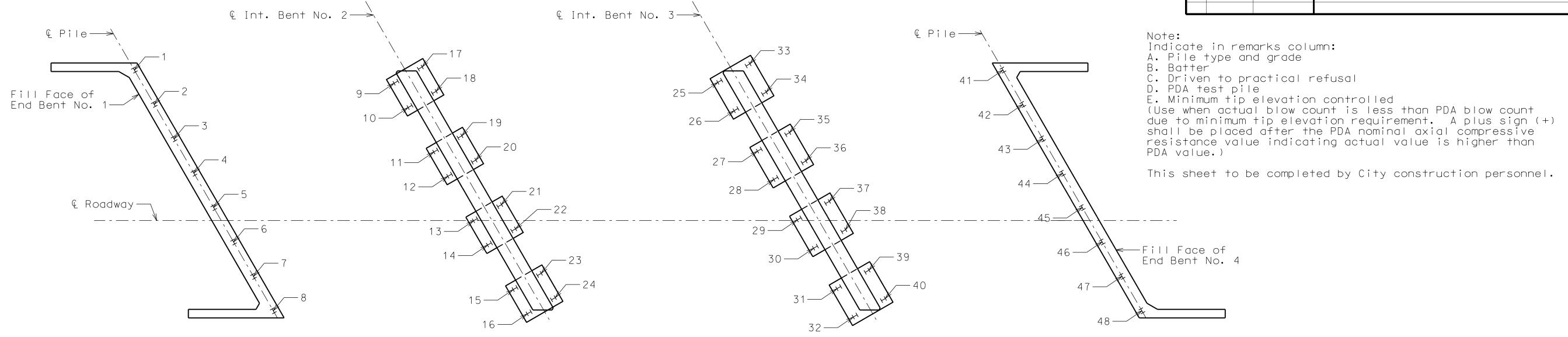
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DESIGN BY: DRAWN BY:

JOSHUA J. MILLER PROFESSIONAL ENGINEER PE-2009010386

West Bridge Plans
Paragon Star Development

| 1 2 20000 1000 | , |           | Lee's Summit, | Missouri |    |                 |
|----------------|---|-----------|---------------|----------|----|-----------------|
| DATE           |   | REVISIONS |               |          | BY | <i>APPROVED</i> |
|                |   |           |               |          |    |                 |



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

|             |                               |                           |                             | Pile Do                                    |                 |
|-------------|-------------------------------|---------------------------|-----------------------------|--|-----------------|
| Pile<br>No. | Length<br>in<br>Place<br>(ft) | Compressive<br>Resistance | PDA End of Drive Blow Count | Actual End of Drive Blow Count (blows/in.) | Remarks         |
|             | ( † 1 )                       | (kips)                    | (DIOWS/III•)                | (DIOWS/III.)                               | END BENT NO. 1  |
| 1           |                               |                           |                             |  | LIND DEIVI 140. |
| 2           |                               |                           |                             |  |                 |
| 3           |                               |                           |                             |  |                 |
| 4           |                               |                           |                             |  |                 |
| 5           |                               |                           |                             |  |                 |
| 6           |                               |                           |                             |  |                 |
| 7           |                               |                           |                             |  |                 |
| 8           |                               |                           |                             |  |                 |
|             |                               |                           |                             |  |                 |
|             |                               |                           |                             |  |                 |
|             |                               |                           |                             |  |                 |
|             |                               |                           |                             |  |                 |
|             |                               |                           |                             |  | INT. BENT NO. 2 |
| 9           |                               |                           |                             |  |                 |
| 10          |                               |                           |                             |  |                 |
| 11          |                               |                           |                             |  |                 |
| 12          |                               |                           |                             |  |                 |
| 13          |                               |                           |                             |  |                 |
| 14          |                               |                           |                             |  |                 |
| 15          |                               |                           |                             |  |                 |
| 16          |                               |                           |                             |  |                 |
| 17          |                               |                           |                             |  |                 |
| 18          |                               |                           |                             |  |                 |
| 19          |                               |                           |                             |  |                 |
|             |                               |                           |                             |  |                 |
|             |                               |                           |                             |  |                 |
|             |                               |                           |                             |  |                 |

|             | As-Built Pile Data            |                           |   |  |                       |  |  |  |  |  |
|-------------|-------------------------------|---------------------------|---|--|-----------------------|--|--|--|--|--|
| Pile<br>No. | Length<br>in<br>Place<br>(ft) | Compressive<br>Resistance | PDA End of Drive Blow Count (blows/in.) | Actual End of Drive Blow Count (blows/in.) | Remarks               |  |  |  |  |  |
|             |                               |                           |   |  | INT. BENT NO. 2 CONT. |  |  |  |  |  |
| 20          |                               |                           |   |  |                       |  |  |  |  |  |
| 21          |                               |                           |   |  |                       |  |  |  |  |  |
| 22          |                               |                           |   |  |                       |  |  |  |  |  |
| 23          |                               |                           |   |  |                       |  |  |  |  |  |
| 24          |                               |                           |   |  |                       |  |  |  |  |  |
|             |                               |                           |   |  |                       |  |  |  |  |  |
|             |                               |                           |   |  |                       |  |  |  |  |  |
|             |                               |                           |   |  |                       |  |  |  |  |  |
|             |                               |                           |   |  |                       |  |  |  |  |  |
|             |                               |                           |   |  | INT. BENT NO. 3       |  |  |  |  |  |
| 25          |                               |                           |   |  |                       |  |  |  |  |  |
| 26          |                               |                           |   |  |                       |  |  |  |  |  |
| 27          |                               |                           |   |  |                       |  |  |  |  |  |
| 28          |                               |                           |   |  |                       |  |  |  |  |  |
| 29          |                               |                           |   |  |                       |  |  |  |  |  |
| 30          |                               |                           |   |  |                       |  |  |  |  |  |
| 31          |                               |                           |   |  |                       |  |  |  |  |  |
| 32          |                               |                           |   |  |                       |  |  |  |  |  |
| 33          |                               |                           |   |  |                       |  |  |  |  |  |
| 34          |                               |                           |   |  |                       |  |  |  |  |  |
| 35          |                               |                           |   |  |                       |  |  |  |  |  |
| 36          |                               |                           |   |  |                       |  |  |  |  |  |
| 37          |                               |                           |   |  |                       |  |  |  |  |  |
| 38          |                               |                           |   |  |                       |  |  |  |  |  |
|             |                               |                           |   |  |                       |  |  |  |  |  |
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|             | As-Built Pile Data            |             |   |  |                       |  |  |  |  |  |
|-------------|-------------------------------|-------------|---|--|-----------------------|--|--|--|--|--|
| Pile<br>No. | Length<br>in<br>Place<br>(ft) | Compressive | PDA End of Drive Blow Count (blows/in.) | Actual End of Drive Blow Count (blows/in.) | Remarks               |  |  |  |  |  |
|             |                               |             |   |  | INT. BENT NO. 3 CONT. |  |  |  |  |  |
| 39          |                               |             |   |  |                       |  |  |  |  |  |
| 40          |                               |             |   |  |                       |  |  |  |  |  |
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|             |                               |             |   |  | END BENT NO. 4        |  |  |  |  |  |
| 41          |                               |             |   |  |                       |  |  |  |  |  |
| 42          |                               |             |   |  |                       |  |  |  |  |  |
| 43          |                               |             |   |  |                       |  |  |  |  |  |
| 44          |                               |             |   |  |                       |  |  |  |  |  |
| 45          |                               |             |   |  |                       |  |  |  |  |  |
| 46          |                               |             |   |  |                       |  |  |  |  |  |
| 47          |                               |             |   |  |                       |  |  |  |  |  |
| 48          |                               |             |   |  |                       |  |  |  |  |  |
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| III   | OF MISSON                                |   |
|-------|--|---|
|       | JOSHUA J. MILLER                         |   |
| X Res | NUMBER E                                 |   |
| THE   | JOSHUA J. J. MILLER NUMBER PE-2009010386 | • |
|       | 10/12/20                                 |   |

JOSHUA J. MILLER PROFESSIONAL ENGINEER architects
engineers

9801 Renner Boulevard
Lenexa, Kansas 66219
913.492.0400
www.gbateam.com

DESIGN BY:

DRAWN BY:

PROJECT NO.:

12720

SHEET TOTAL SHEETS

30

30

www.gbateam.com

West Bridge Plans

Paragon Star Development

PE-2009010386

Lee's Summit, Missouri

DATE REVISIONS BY APPROVED

**BORING LOG NO. B-3** Page 1 of 1 CLIENT: GBA Lenexa, KS **PROJECT: Paragon Star Bridges** I-470 and View High Drive Lee's Summit, MO TTERBER LIMITS U LOCATION See Exploration Plan FIELD TEST RESULTS Latitude: 38.9391° Longitude: -94.447° Approximate Surface Elev.: 812 (Ft.) +/-ELEVATION (Ft.) 0.5 **6" ROOT ZONE** /811.5+/ **LEAN CLAY (CL)**, with fine sand, brown to gray, medium stiff 3-3-3 - trace organics to 3.5 feet 23 12 N=6 10-1-1-1 - very soft to soft below 8.5 feet X 12 | 27 N=2 15 0-0-0 30 99 12 N=020 1-1-1 N=2 31 <| 12 | 25— 0-0-1 32 **<**| 12 | N=1 0-0-2 32 0-0-2 32 99 N=20-0-2 34 N=2 0-1-1 12 33 N=2 764+/ **SHALE**, gray, highly to moderately weathered 50/3" 50-758.5+/-50/2" Boring Terminated at 53.7 Feet Stratification lines are approximate. In-situ, the transition may be gradual. Hammer Type: Automatic Classification estimated from disturbed samples. Core samples and petrographic analysis may reveal other rock types. Advancement Method:
0 to 10 ft: Continuous Flight Augers
10 to 53.7 ft.: Wash Bore description of field and laboratory procedures used and additional data (If any). See Supporting Information for explanation of symbols and abbreviations. Abandonment Method: Boring backfilled with Auger Cuttings Elevations were interpolated from a topographic

15620 W 113th St

Lenexa, KS

Boring Started: 07-01-2019

Project No.: 02195051

Drill Rig: 884

Boring Completed: 07-01-2019

Driller: DB

| PRO.I    | ECT: Paragon Star Bridges   | OG NO. B-2  CLIENT: GBA                                 |             |                             |               |          |                       |   | <u> </u>             | Page 1 of                |                     |               |
|----------|---|---|-------------|-----------------------------|---------------|----------|-----------------------|---|----------------------|--------------------------|---------------------|---------------|
|          |   | OLILI   |             |                             | nexa,         | KS       |                       |   |                      |                          |                     |               |
| SITE:    | I-470 and View High Drive<br>Lee's Summit, MO   |   |             |                             |               |          |                       |   |                      |                          |                     |               |
| IC LOG   | LOCATION See Exploration Plan   | ,   | <u> </u>    | ŒL<br>ONS                   | TYPE          | (In.)    | F.,                   | ED<br>IVE<br>(tsf)                          | (%)                  |                          | ATTERBERG<br>LIMITS | VES .         |
| HIC L    | Latitude: 38.9391° Longitude: -94.4477°   |   | DEPTH (Ft.) | R LEV                       | E TY          | ÆRY (    | FIELD TEST<br>RESULTS | NFINE<br>RESSI                              | TER<br>ENT (         | TUNIT<br>HT (po          |                     | PERCENT FINES |
| GRAPHIC  | Approxima   | te Surface Elev.: 814 (Ft.) +/-                         | DEP.        | WATER LEVEL<br>OBSERVATIONS | SAMPLE        | RECOVERY | FIELI                 | UNCONFINED<br>COMPRESSIVE<br>STRENGTH (tsf) | WATER<br>CONTENT (%) | DRY UNIT<br>WEIGHT (pcf) | LL-PL-PI            | ERCE          |
|          | DEPTH<br>0.5_\6" <b>ROOT ZONE</b>   | ELEVATION (Ft.)<br>,813.5+/                             | _           | -0                          | 0)            | <u>«</u> |                       | - 00  |                      |                          |                     |               |
|          | LEAN CLAY (CL), dark brown to brow soft   | n, soft to very   | _           |                             |               |          |                       |   |                      |                          |                     |               |
|          | - trace organics to 5 feet.   |   | 5-          |                             | X             | 16       | 1-1-2<br>N=3          |   | 31                   |                          |                     |               |
|          |   |   | _           |                             |               |          | 14-0                  | _   |                      |                          |                     |               |
|          | - with fine sand from 8.5 to 18.5 feet  |   | =           |                             | $\times$      | 16       | 2-1-2                 | $\dashv$                                    | 35                   |                          |                     |               |
|          |   |   | 10_         |                             |               |          | N=3                   | _   |                      |                          |                     |               |
|          |   |   | -           |                             |               |          | 0.0.1                 |   |                      |                          |                     |               |
|          |   |   | 15_         |                             | $\times$      | 18       | 0-0-1<br>N=1          | _   | 38                   |                          |                     |               |
|          |   |   | -           |                             |               |          |                       |   |                      |                          |                     |               |
| • /////  | - with gravel below 18.5 feet   |   | 20-         |                             | $\times$      | 18       | 0-1-3<br>N=4          |   | 37                   |                          |                     |               |
|          |   |   | =           |                             |               |          |                       |   |                      |                          |                     |               |
|          | - with fine sand below 23.5 feet  |   |             | ·<br>                       | $\times$      | 18       | 0-0-1                 | $\dashv$                                    | 32                   |                          |                     | 7             |
|          |   |   | 25-         |                             |               |          | N=1                   | _   |                      |                          |                     |               |
|          | 28.5  CLAYEY SAND (SC), trace gravel, bro   | 785.5+/   | = =         |                             |               | 18       | 3-4-5                 |   | 29                   |                          |                     |               |
|          | <u>OLATET OAND (OO)</u> , trace graver, bro   | WII, 1003C  | 30-         |                             | $\wedge$      | 10       | N=9                   | _   | 29                   |                          |                     |               |
|          |   |   | =           |                             |               |          |                       |   |                      |                          |                     |               |
|          |   |   | 35          |                             | $\times$      | 10       | 5-3-4<br>N=7          | _   | 21                   |                          |                     | 2             |
|          | 38.5  | 775.5+/   |             |                             |               |          |                       |   |                      |                          |                     |               |
|          | SHALE, gray, highly to moderately we  |   | 40-         |                             | <b>&gt;</b> < | 5        | 50/5"                 |   | 22                   |                          |                     |               |
|          |   |   | -           |                             |               |          |                       |   |                      |                          |                     |               |
|          |   |   | -           |                             | ~             | 3 /      | 50/3"                 | _   | 17                   |                          |                     |               |
|          |   |   | 45_         |                             |               |          |                       |   |                      |                          |                     |               |
|          |   |   | -           |                             | ><            | 1        | FO/4!!                |   | 0.4                  |                          |                     |               |
|          | 50.0  Boring Terminated at 50 Feet  | 764+/   | 50          |                             |               | 4_/      | 50/4"                 |   | 31 /                 |                          |                     | $\vdash$      |
|          |   |   |             |                             |               |          |                       |   |                      |                          |                     |               |
|          |   |   |             |                             |               |          |                       |   |                      |                          |                     |               |
|          | I<br>ratification lines are approximate. In-situ, the transitior<br>assification estimated from disturbed samples. Core s |   | lvsis       |                             |               |          | Hammer Type: Au       | tomatic                                     | 1                    | I                        | <u> </u>            |               |
| ma       | ay reveal other rock types.  ent Method:  | See Exploration and Tes                                 |             | edures                      | for a         |          | lotes:                |   |                      |                          |                     |               |
| Continuo | ous Flight Augers   | description of field and la<br>used and additional data | aboratory   |                             |               | ·        |                       |   |                      |                          |                     |               |
|          | ent Method:   | See Supporting Informat symbols and abbreviatio         |             | olanatio                    | on of         |          |                       |   |                      |                          |                     |               |
|          | ackfilled with Auger Cuttings   | Elevations were interpola                               |             | a topo                      | grapl         | hic      |                       |   |                      |                          |                     |               |
|          | WATER LEVEL OBSERVATIONS  |   |             |                             |               | Вс       | ring Started: 07-01   | I-2019                                      | Borir                | ng Com                   | pleted: 07-01       | -201          |
| GI       | roundwater not encountered  | llerra  |             |                             | Π             | Dr       | ill Rig: 988          |   | Drille               | er: SF                   |                     |               |

Lenexa, KS

WATER LEVEL OBSERVATIONS

13 ft. at completion

Project No.: 02195051

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

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.



# SITE PLAN - ARCHITECTURAL

RAIL VERT - A SINGLE VERTICAL STEEL MEMBER OR "PICKET" IN THE RAIL ASSEMBLY. RAIL VERTS MAKE UP THE

RAIL HORIZONTAL - A CONTINUOUS STEEL MEMBER, MORE OR LESS HORIZONTAL, THAT CONNECTS MULTIPLE RAIL

WING WALL FACE PLATE - AT BRIDGE ABUTMENT WING WALLS, A SURFACE APPLIED PLATE PROVIDING FOR THE

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

FABRICATED INTO A SINGLE, RIGID CONSTRUCTION FOR HOT-DIP GALVANIZING AND SHIPPING TO THE SITE. RAIL

RAIL RUN - REFERS TO A CONTINUOS COLLECTION OF SEQUENTIAL RAIL ASSEMBLIES ALONG A SINGLE PATH. BOTH

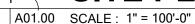
ALIGNING RAIL COMPONENTS DURING SHOP ASSEMBLY AND FIELD INSTALLATION. THE BASELINE ELEVATION IS SET

RAIL ASSEMBLY - A COLLECTION OF RAIL VERTS, RAIL HORIZONTALS, AND RAIL ANCHORAGE TO BE SHOP

ASSEMBLY LENGTH SHALL BE DICTATED BY SIZE OF GALVANIZING TANK AVAILABLE TO CONTRACTOR.

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





### REV# SHEET# DESCRIPTION

GENERAL - SITE PLAN A01.00

A01.10 PLANS

A03.10 WEST BRIDGE - NORTH RAIL RUN WEST BRIDGE - SOUTH RAIL RUN

**WEST BRIDGE - RAIL SHEET LIST** 

A03.12 WEST BRIDGE - MIDDLE RAIL RUN A05.20 RAIL DETAILS

A05.21 RAIL DETAILS

A05.30 LIGHT MOUNT DETAILS

RAIL VERT TYPES A06.10 A06.11 SCHEDULE - WEST BRIDGE RAIL VERTS - NORTH RAIL RUN

A06.12 SCHEDULE - WEST BRIDGE RAIL VERTS - SOUTH RAIL RUN SCHEDULE - WEST BRIDGE RAIL VERTS - MIDDLE RAIL RUN

# **EAST BRIDGE - RAIL SHEET LIST**

### REV# SHEET# DESCRIPTION

GENERAL - SITE PLAN A01.00

A01.10

EAST BRIDGE - NORTH RAIL RUN A03.20

EAST BRIDGE - SOUTH RAIL RUN A03.21 A03.22 EAST BRIDGE - MIDDLE RAIL RUN

A05.20 RAIL DETAILS A05.21 RAIL DETAILS

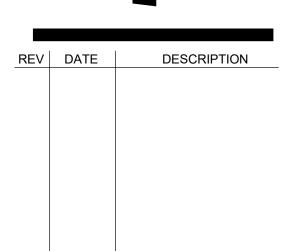
A05.30 LIGHT MOUNT DETAILS

A06.10 RAIL VERT TYPES

SCHEDULE - EAST BRIDGE RAIL VERTS - NORTH RAIL RUN

A06.15 SCHEDULE - EAST BRIDGE RAIL VERTS - SOUTH RAIL RUN

9801 Renner Blvd. Ste. 300 Lenexa, KS 66219 913.492.0400 gbateam.com





### PROJECT NUMBER 12720.62

2020.10.13

DATE

ISSUE FOR CONSTRUCTION

| DESIGNED: | NJC |
|-----------|-----|
| DRAWN:    | NJC |
| REVIEWED: | CLR |

SHEET TITLE

GENERAL - SITE PLAN

SHEET NUMBER A01.00

© George Butler Associates, Inc. 2020 Engineering COA# 000133 Architecture COA# 000212

Land Sureveying COA# 000059

AT 1'-0" BELOW THE LOWEST POINT OF THE ENTIRE RAIL RUN.

BULK OF THE MEMBERS IN THE RAIL ASSEMBLIES.

RAIL GUARD - THE RIGID COLLECTION OF RAIL VERTS AND RAIL HORIZONTALS.

RUNS AT WING WALLS), OR ROADWAY/PEDESTRIAN BARRIER (MIDDLE RAIL RUNS).

THE WEST AND EAST BRIDGES EACH HAVE A SOUTH, NORTH, AND MIDDLE RAIL RUN.

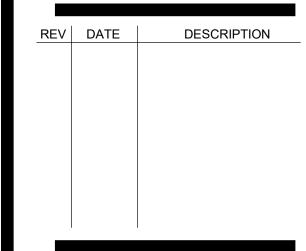
RAIL ASSEMBLIES' ATTACHMENT TO THE ABUTMENT WING WALL.

VERTS TO MAKE A RIGID RAIL GUARD.

GBA

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EST BRIDGE PLAN





PROJECT NUMBER 12720.62 DATE

2020.10.13
ISSUE FOR CONSTRUCTION

DESIGNED: NJC
DRAWN: NJC
REVIEWED: CLR
SHEET TITLE

SHEET NUMBER

PLANS

A01.10

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

### 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 BREAK 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 BREAK ANGLES
d. ANCHORAGE LOCATIONS
e. RAIL HORIZONTAL LOCATIONS

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| REV | DATE | DESCRIPTION |
|-----|------|-------------|
|     |      |             |
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PROJECT NUMBER 12720.62

2020.10.13 ISSUE FOR CONSTRUCTION

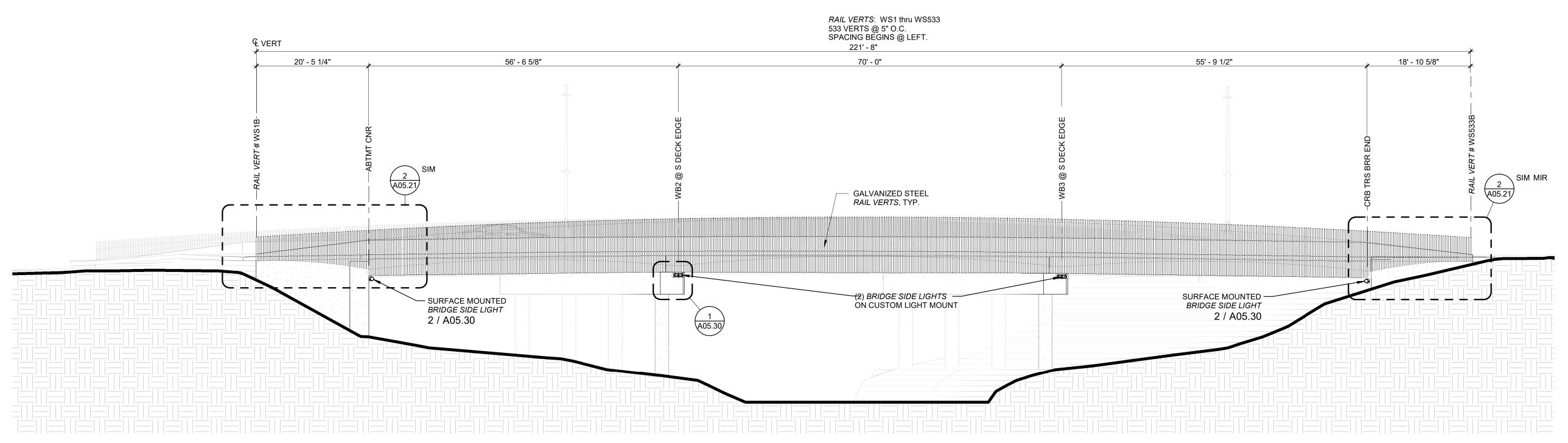
DATE

DESIGNED: NJC DRAWN: NJC REVIEWED: CLR

SHEET TITLE WEST BRIDGE - NORTH RAIL

SHEET NUMBER

A03.10



ELEVATION
A01.10 A03.11 SCALE: 3/32" = 1'-0"

### 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 BREAK 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 BREAK ANGLES
d. ANCHORAGE LOCATIONS
e. RAIL HORIZONTAL LOCATIONS

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EST BRIDGE PLANS

| REV | DATE | DESCRIPTION |
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PROJECT NUMBER 12720.62

DATE

2020.10.13

DESIGNED: NJC

DRAWN: NJC

REVIEWED: CLR

SHEET TITLE

WEST BRIDGE - SOUTH RAIL RUN

SHEET NUMBER

A03.11

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

### 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 BREAK 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

a. RAIL VERT VERTICAL LOCATION RELATIVE
TO EACH RAIL RUN BASELINE ELEVATION
b. RAIL VERT LEG LENGTHS
c. RAIL VERT BREAK ANGLES
d. ANCHORAGE LOCATIONS
e. RAIL HORIZONTAL LOCATIONS

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VEST BRIDGE PLAN

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PROJECT NUMBER 12720.62

DATE 2020.10.13

ISSUE FOR CONSTRUCTION

DESIGNED: NJC
DRAWN: NJC

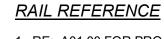
REVIEWED: CLR
SHEET TITLE

WEST BRIDGE - MIDDLE RAIL

RUN

A03.12

SHEET NUMBER



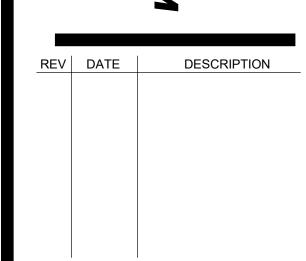
- 1. RE: A01.00 FOR PROJECT TERMINOLOGY.
- 2. RE: RAIL ELEVATIONS FOR: a. RAIL VERT LAYOUT b. RAIL HORIZONTAL LAYOUT c. RAIL VERT BREAK LAYOUT.
- 3. RE: 1 / A06.10 FOR: a. RAIL VERT CONFIGURATION TYPES.
- 4. RE: RAIL SCHEDULES FOR: a. RAIL VERT VERTICAL LOCATION RELATIVE TO EACH RAIL RUN BASELINE ELEVATION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

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2020.10.13

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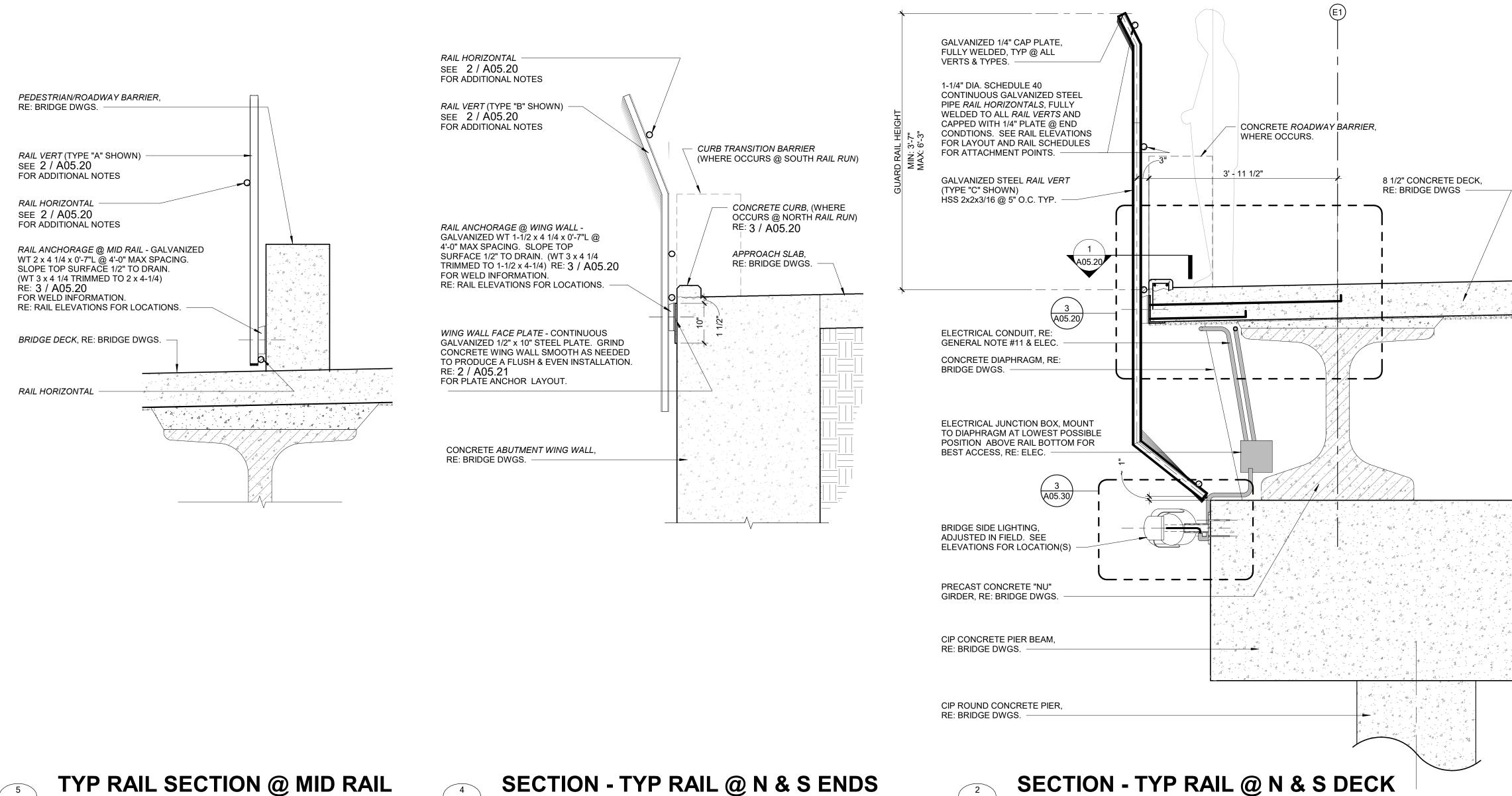
| DESIGNED:   | NJC |
|-------------|-----|
| DRAWN:      | NJC |
| REVIEWED:   | CLR |
| SHEET TITLE |     |

RAIL DETAILS

A05.20

SHEET NUMBER

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TYP RAIL SECTION @ MID RAIL A01.10 A05.20 SCALE: 3/4" = 1'-0"

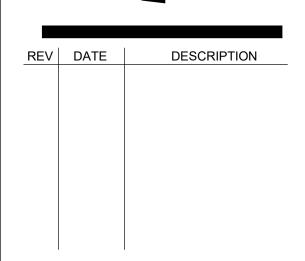
SECTION - TYP RAIL @ N & S ENDS A01.10 A05.20 SCALE: 3/4" = 1'-0"

A01.10 A05.20 SCALE: 3/4" = 1'-0"

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SI BRIDGE FLANS





PROJECT NUMBER 12720.62

2020.10.13

DATE

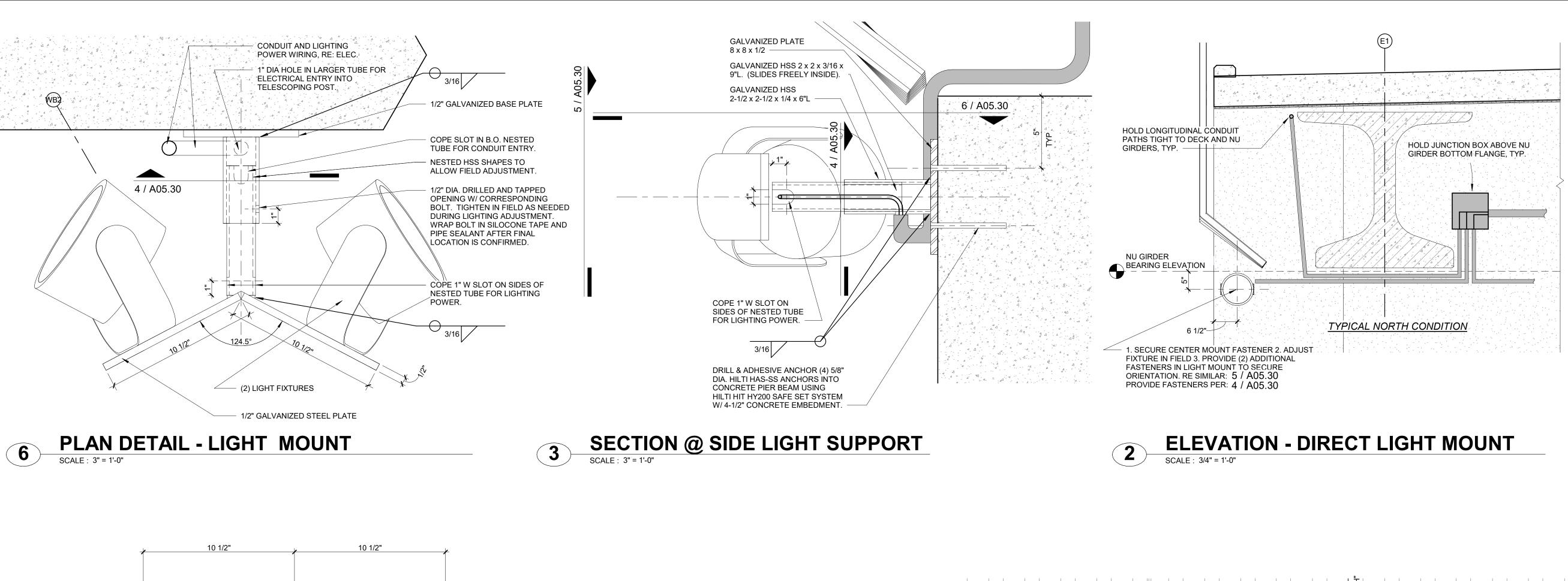
ISSUE FOR CONSTRUCTION

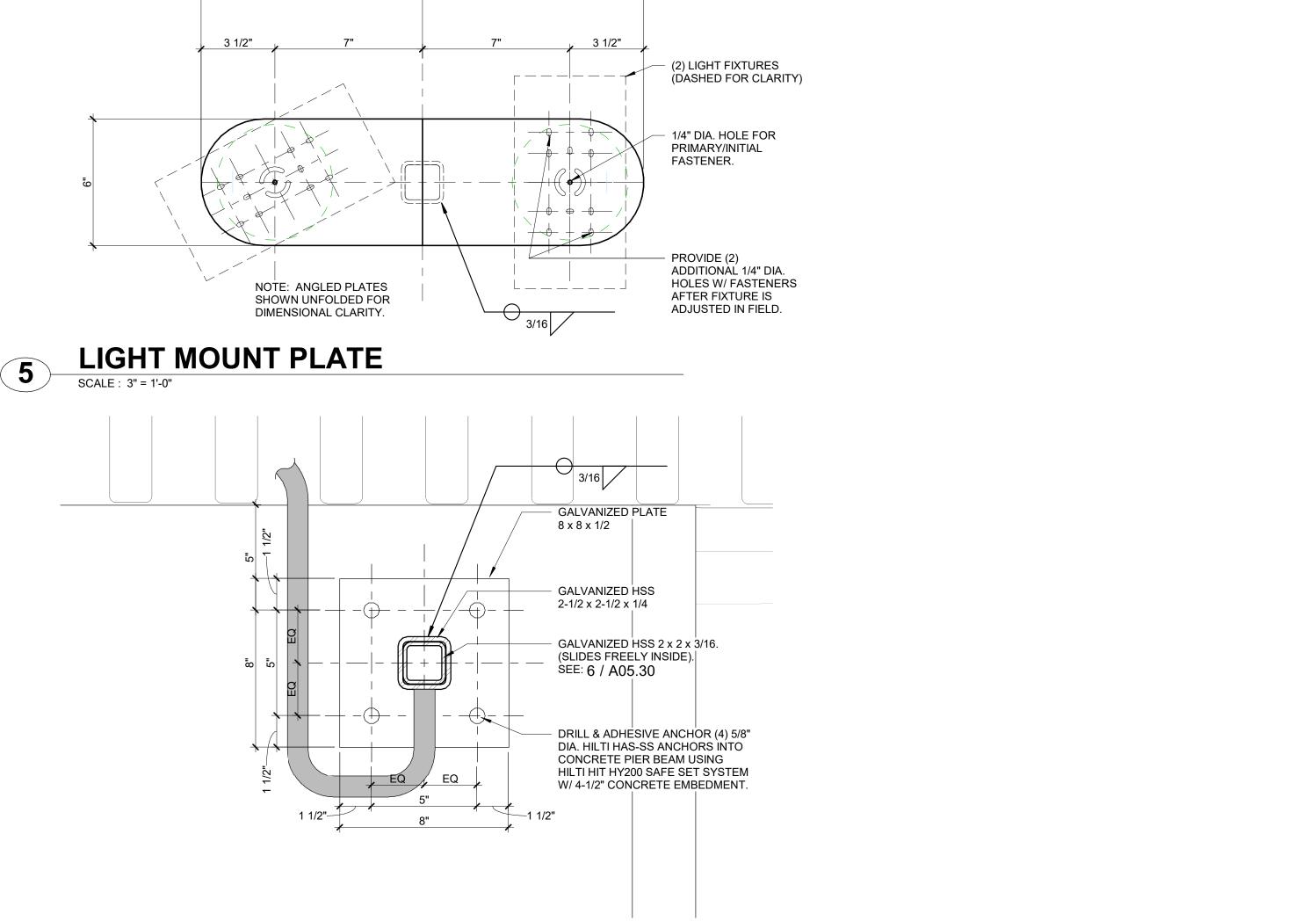
DESIGNED: NJC
DRAWN: NJC
REVIEWED: CLR
SHEET TITLE

RAIL DETAILS

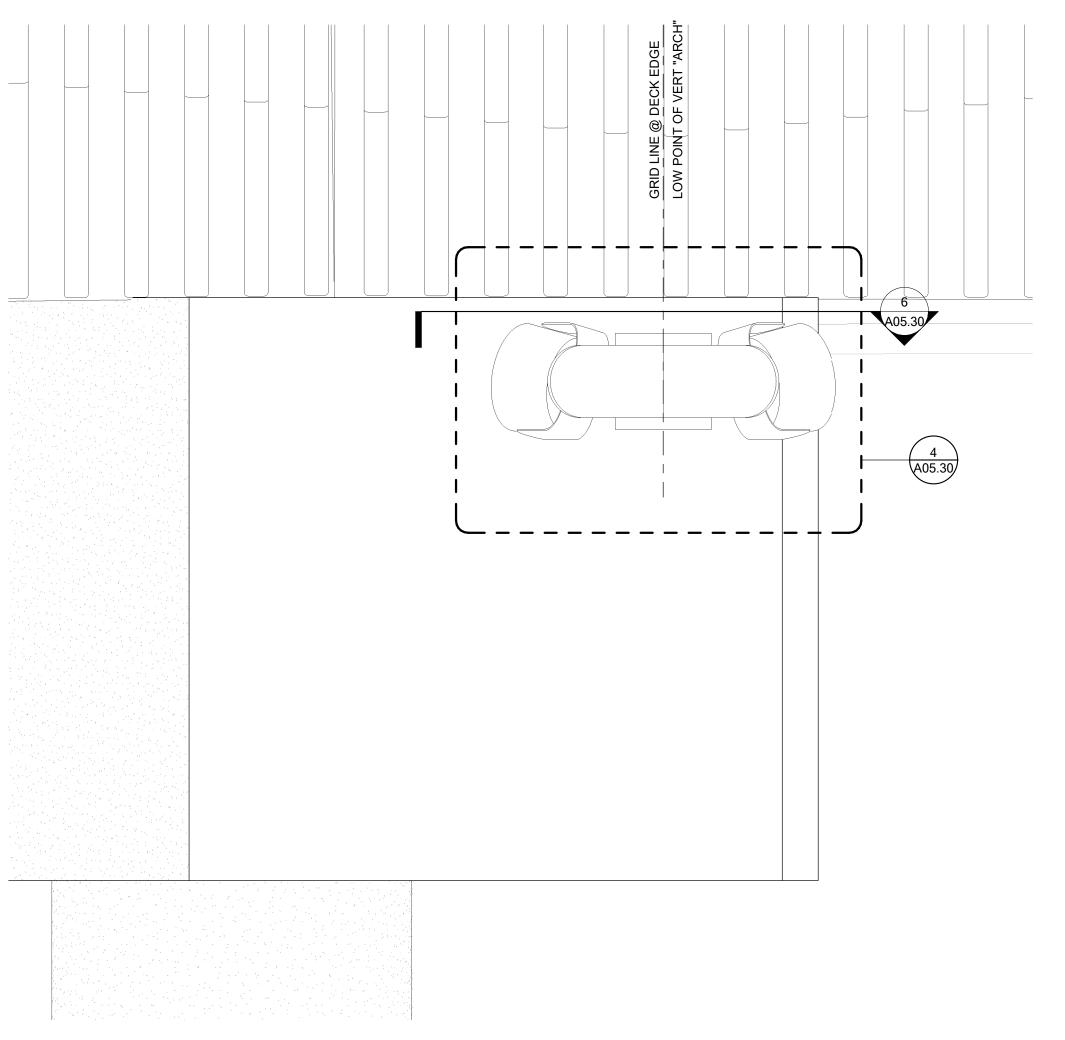
SHEET NUMBER **A05.21** 

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LIGHT MOUNT BASE PLATE



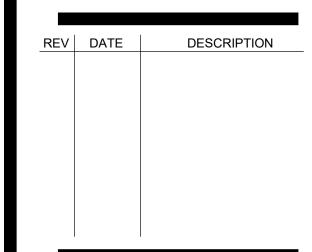
LIGHT MOUNT ELEVATION - W BRIDGE - PIER BEAMS

A03.10 A05.30 SCALE: 1 1/2" = 1'-0"

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WEST BRIDGE PLAN.





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2020.10.13
ISSUE FOR CONSTRUCTION

DATE

DESIGNED: NJC

DRAWN: NJC

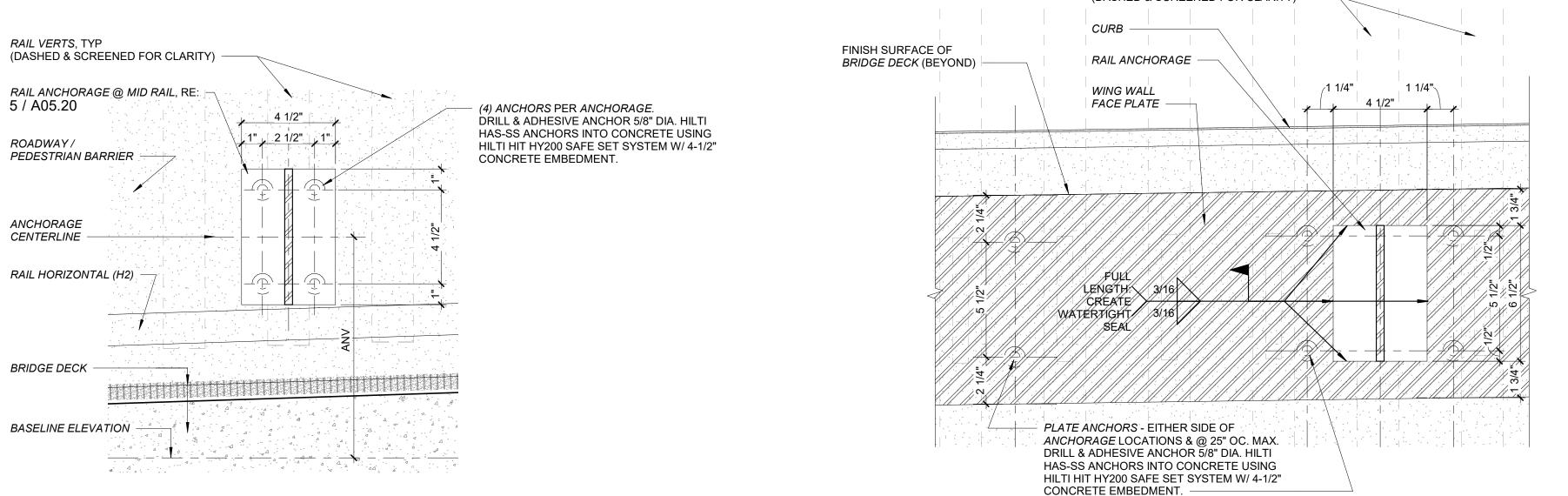
REVIEWED: CLR

LIGHT MOUNT DETAILS

SHEET TITLE

SHEET NUMBER **A05.30** 

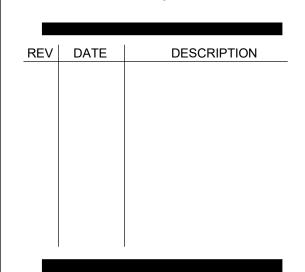
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## DETAIL ELEVATION - ANCHORAGE AT MID RAIL RUN A05.21 A06.10 SCALE: 3" = 1'-0"



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ISSUE FOR CONSTRUCTION DESIGNED: NJC DRAWN: NJC

REVIEWED: CLR SHEET TITLE RAIL VERT TYPES

A06.10

SHEET NUMBER

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Land Sureveying COA# LS-8

|                         | WE                                     | ST                                    | BR                               | IDG                                    | E-                               | NO                                     | RT                                     | H R                                    | 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>H04V</u>                            |
| WN1B<br>WN2B            | 4'-3 7/8"<br>4'-3 7/8"                 | 1'-2 5/8"<br>1'-3 1/4"                | 162.028°<br>162.015°             | 3'-2 7/8"<br>3'-2 5/8"                 |                                  |  | 4'-5 1/2"<br>4'-5 7/8"                 | 4'-7 1/2"<br>4'-7 1/2"                 | 5'-5"<br>5'-5 1/2"                     | 7'-2 1/2"<br>7'-3"                     |
| WN3B<br>WN4B<br>WN5B    | 4'-3 3/4"<br>4'-3 3/4"<br>4'-3 5/8"    | 1'-4"<br>1'-4 5/8"<br>1'-5 3/8"       | 162.000°<br>161.983°<br>161.966° | 3'-2 1/4"<br>3'-2"<br>3'-1 3/4"        |                                  |  | 4'-6 1/4"<br>4'-6 3/4"<br>4'-7 1/8"    | 4'-7 5/8"<br>4'-7 5/8"<br>4'-7 3/4"    | 5'-5 7/8"<br>5'-6 1/4"<br>5'-6 3/4"    | 7'-3 3/8"<br>7'-3 3/4"<br>7'-4 1/4"    |
| WN6B<br>WN7B            | 4'-3 1/2"<br>4'-3 3/8"                 | 1'-6 1/8"<br>1'-6 7/8"                | 161.947°<br>161.927°             | 3'-1 1/2"<br>3'-1 1/4"                 |                                  |  | 4-7 1/8<br>4'-7 5/8"<br>4'-8"          | 4-7 3/4"<br>4'-7 3/4"<br>4'-7 7/8"     | 5'-7 1/8"<br>5'-7 1/2"                 | 7'-4 1/4<br>7'-4 5/8'<br>7'-5 1/8'     |
| WN8B<br>WN9B            | 4'-3 1/8"<br>4'-3"                     | 1'-7 5/8"<br>1'-8 3/8"                | 161.906°<br>161.883°             | 3'-0 7/8"<br>3'-0 5/8"                 |                                  |  | 4'-8 1/2"<br>4'-9"                     | 4'-8"<br>4'-8"                         | 5'-8"<br>5'-8 3/8"                     | 7'-5 1/2"<br>7'-5 7/8"                 |
| WN10B<br>WN11B          | 4'-2 7/8"<br>4'-2 5/8"                 | 1'-9 1/8"<br>1'-9 7/8"                | 161.858°<br>161.832°             | 3'-0 3/8"<br>3'-0 1/8"                 |                                  |  | 4'-9 1/2"<br>4'-10"                    | 4'-8 1/8"<br>4'-8 1/8"                 | 5'-8 3/4"<br>5'-9 1/8"                 | 7'-6 3/8'<br>7'-6 3/4'                 |
| WN12B<br>WN13B<br>WN14B | 4'-2 3/8"<br>4'-2 1/4"<br>4'-2"        | 1'-10 3/4"<br>1'-11 1/2"<br>2'-0 3/8" | 161.805°<br>161.776°<br>161.745° | 2'-11 3/4"<br>2'-11 1/2"<br>2'-11 1/4" |                                  |  | 4'-10 1/2"<br>4'-11"<br>4'-11 5/8"     | 4'-8 1/4"<br>4'-8 1/4"<br>4'-8 3/8"    | 5'-9 5/8"<br>5'-10"<br>5'-10 3/8"      | 7'-7 1/8'<br>7'-7 5/8'<br>7'-8'        |
| WN15B<br>WN16B          | 4'-1 3/4"<br>4'-1 1/2"                 | 2'-1 1/4"<br>2'-2 1/8"                | 161.713°<br>161.680°             | 2'-10 7/8"<br>2'-10 5/8"               |                                  |  | 5'-0 1/8"<br>5'-0 3/4"                 | 4'-8 3/8"<br>4'-8 1/2"                 | 5'-10 3/4"<br>5'-11 1/4"               | 7'-8 3/8'<br>7'-8 3/4'                 |
| WN17B<br>WN18B          | 4'-1 1/8"<br>4'-0 7/8"                 | 2'-3"<br>2'-3 7/8"                    | 161.645°<br>161.607°             | 2'-10 3/8"<br>2'-10 1/8"               |                                  |  | 5'-1 3/8"<br>5'-1 7/8"                 | 4'-8 5/8"<br>4'-8 5/8"                 | 5'-11 5/8"<br>6'-0"                    | 7'-9 1/4'<br>7'-9 5/8'                 |
| WN19B<br>WN20B<br>WN21B | 4'-0 1/2"<br>4'-0 1/4"                 | 2'-4 3/4"<br>2'-5 5/8"                | 161.568°<br>161.527°             | 2'-9 3/4"<br>2'-9 1/2"                 |                                  |  | 5'-2 1/2"<br>5'-3 1/8"                 | 4'-8 3/4"<br>4'-8 3/4"                 | 6'-0 3/8"<br>6'-0 3/4"                 | 7'-10'<br>7'-10 3/8"                   |
| WN21B<br>WN22B<br>WN23B | 3'-11 7/8"<br>3'-11 1/2"<br>3'-11 1/8" | 2'-6 5/8"<br>2'-7 5/8"<br>2'-8 1/2"   | 161.484°<br>161.440°<br>161.393° | 2'-9 1/4"<br>2'-8 7/8"<br>2'-8 5/8"    |                                  |  | 5'-3 3/4"<br>5'-4 1/2"<br>5'-5 1/8"    | 4'-8 7/8"<br>4'-8 7/8"<br>4'-9"        | 6'-1 1/8"<br>6'-1 1/2"<br>6'-2"        | 7'-10 7/8"<br>7'-11 1/4"<br>7'-11 5/8" |
| WN24B<br>WN25B          | 3'-10 3/4"<br>3'-10 3/8"               | 2'-9 1/2"<br>2'-10 1/2"               | 161.344°<br>161.293°             | 2'-8 1/4"<br>2'-8"                     |                                  |  | 5'-5 3/4"<br>5'-6 1/2"                 | 4'-9"<br>4'-9 1/8"                     | 6'-2 3/8"<br>6'-2 3/4"                 | 8'-0"<br>8'-0 3/8"                     |
| WN26B<br>WN27B          | 3'-10"<br>3'-9 5/8"                    | 2'-11 1/2"<br>3'-0 1/2"               | 161.240°<br>161.184°             | 2'-7 3/4"<br>2'-7 3/8"                 |                                  |  | 5'-7 1/4"<br>5'-7 7/8"                 | 4'-9 1/4"<br>4'-9 1/4"                 | 6'-3 1/8"<br>6'-3 1/2"                 | 8'-0 3/4"<br>8'-1 1/4"                 |
| WN28B<br>WN29B<br>WN30B | 3'-9 1/8"<br>3'-8 5/8"<br>3'-8 1/4"    | 3'-1 1/2"<br>3'-2 5/8"<br>3'-3 5/8"   | 161.126°<br>161.066°<br>161.003° | 2'-7 1/8"<br>2'-6 3/4"<br>2'-6 1/2"    |                                  |  | 5'-8 5/8"<br>5'-9 3/8"<br>5'-10 1/8"   | 4'-9 3/8"<br>4'-9 3/8"<br>4'-9 1/2"    | 6'-3 7/8"<br>6'-4 1/4"<br>6'-4 5/8"    | 8'-1 5/8"<br>8'-2"<br>8'-2 3/8"        |
| WN31B<br>WN32B          | 3'-7 3/4"<br>3'-7 1/4"                 | 3'-4 3/4"<br>3'-5 7/8"                | 160.938°<br>160.869°             | 2'-6 1/4"<br>2'-5 7/8"                 |                                  |  | 5'-11"<br>5'-11 3/4"                   | 4'-9 1/2"<br>4'-9 5/8"                 | 6'-5"<br>6'-5 3/8"                     | 8'-2 3/4"<br>8'-3 1/8"                 |
| WN33B<br>WN34B          | 3'-6 3/4"<br>3'-6 1/4"                 | 3'-7"<br>3'-8 1/8"                    | 160.799°<br>160.725°             | 2'-5 5/8"<br>2'-5 1/4"                 |                                  |  | 6'-0 1/2"<br>6'-1 3/8"                 | 4'-9 5/8"<br>4'-9 3/4"                 | 6'-5 3/4"<br>6'-6 1/8"                 | 8'-3 1/2"<br>8'-3 7/8"                 |
| WN35B<br>WN36B          | 3'-5 5/8"<br>3'-5 1/8"                 | 3'-9 1/4"<br>3'-10 3/8"               | 160.648°<br>160.568°             | 2'-5"<br>2'-4 5/8"                     |                                  |  | 6'-2 1/8"<br>6'-3"                     | 4'-9 7/8"<br>4'-9 7/8"                 | 6'-6 1/2"<br>6'-6 7/8"                 | 8'-4 1/4"<br>8'-4 5/8"                 |
| WN37B<br>WN38B<br>WN39B | 3'-4 1/2"<br>3'-4"<br>3'-3 3/8"        | 3'-11 1/2"<br>4'-0 3/4"<br>4'-1 7/8"  | 160.485°<br>160.399°<br>160.310° | 2'-4 3/8"<br>2'-4"<br>2'-3 3/4"        |                                  |  | 6'-3 7/8"<br>6'-4 3/4"<br>6'-5 5/8"    | 4'-10"<br>4'-10"<br>4'-10 1/8"         | 6'-7 1/4"<br>6'-7 5/8"<br>6'-7 7/8"    | 8'-5"<br>8'-5 3/8"<br>8'-5 3/4"        |
| WN40B<br>WN41B          | 3'-2 3/4"<br>3'-2 1/8"                 | 4-1 7/8<br>4'-3 1/8"<br>4'-4 3/8"     | 160.216°<br>160.119°             | 2'-3 3/8"<br>2'-3 1/8"                 |                                  |  | 6'-6 1/2"<br>6'-7 3/8"                 | 4'-10 1/8"<br>4'-10 1/4"               | 6'-8 1/4"<br>6'-8 5/8"                 | 8'-6 1/8"<br>8'-6 1/2"                 |
| WN42B<br>WN43B          | 3'-1 1/2"<br>3'-0 7/8"                 | 4'-5 5/8"<br>4'-6 7/8"                | 160.018°<br>159.914°             | 2'-2 3/4"<br>2'-2 1/2"                 |                                  |  | 6'-8 3/8"<br>6'-9 1/4"                 | 4'-10 1/4"<br>4'-10 3/8"               | 6'-9"<br>6'-9 3/8"                     | 8'-6 7/8"<br>8'-7 1/4"                 |
| WN44B<br>WN45B          | 3'-0 1/8"<br>2'-11 1/2"                | 4'-8 1/8"<br>4'-9 3/8"                | 159.804°<br>159.691°             | 2'-2 1/8"<br>2'-1 3/4"                 |                                  |  | 6'-10 1/4"<br>6'-11 1/8"               | 4'-10 1/2"<br>4'-10 1/2"               | 6'-9 3/4"<br>6'-10"                    | 8'-7 5/8"<br>8'-8"                     |
| WN46B<br>WN47B<br>WN48B | 2'-10 3/4"<br>2'-10 1/8"<br>2'-9 3/8"  | 4'-10 5/8"<br>5'-0"<br>5'-1 1/4"      | 159.574°<br>159.451°<br>159.323° | 2'-1 1/2"<br>2'-1 1/8"<br>2'-0 7/8"    |                                  |  | 7'-0 1/8"<br>7'-1 1/8"<br>7'-2 1/8"    | 4'-10 5/8"<br>4'-10 5/8"<br>4'-10 3/4" | 6'-10 3/8"<br>6'-10 3/4"<br>6'-11 1/8" | 8'-8 3/8"<br>8'-8 3/4"<br>8'-9 1/8"    |
| WN49B<br>WN50B          | 2'-9 3/8"<br>2'-8 5/8"<br>2'-7 7/8"    | 5'-1 1/4"<br>5'-2 5/8"<br>5'-4"       | 159.323°<br>159.190°<br>159.054° | 2'-0 1/8"<br>2'-0 1/2"<br>2'-0 1/8"    |                                  |  | 7'-2 1/8"<br>7'-3 1/8"<br>7'-4 1/8"    | 4'-10 3/4"<br>4'-10 7/8"               | 6'-11 1/8"<br>6'-11 1/2"<br>6'-11 3/4" | 8'-9 1/8'<br>8'-9 1/2'<br>8'-9 3/4'    |
| WN51C                   | 1'-7 1/4"                              | 2'-1 5/8"                             | 120.745°                         | 5'-4"                                  | 159.034°                         | 2'-0"                                  | 9'-5 1/2"                              | 4'-10 7/8"                             | 7'-0 1/8"                              | 8'-10 1/8"                             |
| 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 1/2"                             |
| WN53C<br>WN54C          | 1'-7 3/8"<br>1'-7 3/8"                 | 2'-2 1/8"<br>2'-2 3/8"<br>2'-2 5/8"   | 122.583°<br>123.457°<br>124.298° | 5'-3 3/4"<br>5'-3 5/8"                 | 159.007°<br>158.993°<br>158.970° | 1'-11 5/8"<br>1'-11 1/2"               | 9'-5 1/2"<br>9'-5 1/2"<br>9'-5 1/2"    | 4'-11"<br>4'-11 1/8"<br>4'-11 1/4"     | 7'-0 7/8"<br>7'-1 1/8"<br>7'-1 1/2"    | 8'-10 7/8"<br>8'-11 1/4"<br>8'-11 5/8" |
| WN55C                   | 1'-7 1/2"                              | 2'-2 5/8"                             | 124.298°                         | 5'-3 5/8"                              | 158.979°                         | 1'-11 1/4"                             | 9'-5 1/2"                              | 4'-11 1/4"                             | 7'-1 1/2"                              | 8'-11 5/8"                             |
| WN56C                   | 1'-7 1/2"                              | 2'-2 7/8"                             | 125.111°                         | 5'-3 1/2"                              | 158.966°                         | 1'-11 1/8"                             | 9'-5 1/2"                              | 4'-11 1/4"                             | 7'-1 7/8"                              | 8'-11 7/8"                             |
| 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 1/4"                              |
| 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 5/8"                              |
| 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'-1"                                  |
| 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 1/4"                              |
| 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 5/8"                              |
| 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'-2"                                  |
| 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 1/4"                              |
| 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 5/8"                              |
| WN65C                   | 1'-8"                                  | 2'-5 1/4"                             | 131.247°                         | 5'-3"                                  | 158.832°                         | 1'-9 1/2"                              | 9'-5 3/4"                              | 4'-11 7/8"                             | 7'-4 3/4"                              | 9'-3'                                  |
| WN66C                   | 1'-8 1/8"                              | 2'-5 1/2"                             | 131.812°                         | 5'-3"                                  | 158.817°                         | 1'-9 3/8"                              | 9'-5 3/4"                              | 4'-11 7/8"                             | 7'-5"                                  | 9'-3 3/8'                              |
| WN67C                   | 1'-8 1/8"                              | 2'-5 3/4"                             | 132.356°                         | 5'-2 7/8"                              | 158.801°                         | 1'-9 1/8"                              | 9'-5 7/8"                              | 5'-0"                                  | 7'-5 3/8"                              | 9'-3 5/8"                              |
| 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'-4"                                  |
| 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 1/4"                              |
| WN70C                   | 1'-8 3/8"                              | 2'-6 1/2"                             | 133.878°                         | 5'-2 7/8"                              | 158.752°                         | 1'-8 5/8"                              |  | 5'-0 1/8"                              | 7'-6 1/4"                              | 9'-4 5/8"                              |
| 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'-5"                                  |
| 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 1/4"                              |
| WN73C                   | 1'-8 1/2"                              | 2'-7 1/4"                             | 135.241°                         | 5'-2 7/8"                              | 158.702°                         | 1'-8 1/8"                              | 9'-6 1/4"                              | 5'-0 3/8"                              | 7'-7 1/4"                              | 9'-5 5/8"                              |
| WN74C                   | 1'-8 1/2"                              | 2'-7 1/2"                             | 135.661°                         | 5'-2 7/8"                              | 158.684°                         | 1'-8"                                  | 9'-6 3/8"                              | 5'-0 1/2"                              | 7'-7 1/2"                              | 9'-5 7/8"                              |
| 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 1/4"                              |
| 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 5/8"                              |
| 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 7/8"                              |
| 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 1/4"                              |
| 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 1/2"                              |
| 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 7/8"                              |
| WN81C<br>WN82C          | 1'-0 //0<br>1'-9"<br>1'-9"             | 2'-9"<br>2'-9"                        | 138.200°<br>138.511°             | 5'-3 1/8"<br>5'-3 1/8"                 | 158.557°<br>158.538°             | 1'-6 7/8"<br>1'-6 5/8"                 | 9-67/6<br>9'-7"<br>9'-7"               | 5'-0 7/8"<br>5'-1"                     | 7'-9 5/8"<br>7'-9 7/8"                 | 9'-8 1/8"<br>9'-8 1/2"                 |
| 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 3/4"                              |
| WN84C                   | 1'-9 1/8"                              | 2'-9 5/8"                             | 139.094°                         | 5'-3 1/4"                              | 158.498°                         | 1'-6 3/8"                              | 9'-7 1/4"                              | 5'-1 1/8"                              | 7'-10 1/2"                             | 9'-9"                                  |
| WN85C<br>WN86C          | 1'-9 1/8"<br>1'-9 1/4"                 | 2'-9 3/4"                             | 139.368°<br>139.632°             | 5'-3 3/8"<br>5'-3 1/2"                 | 158.479°<br>158.458°             | 1'-6 1/4"                              | 9'-7 3/8"<br>9'-7 1/2"                 | 5'-1 1/8"<br>5'-1 1/4"                 | 7'-10 3/4"<br>7'-11"                   | 9'-9 3/8'<br>9'-9 5/8'                 |
| 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'-10'                                 |
| 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 1/4"                             |
| 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 5/8"                             |
| 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 7/8"                             |
| WN91C                   | 1'-9 1/2"                              | 2'-10 3/4"                            | 140.791°                         | 5'-3 7/8"                              | 158.353°                         | 1'-5 1/4"                              |  | 5'-1 5/8"                              | 8'-0 3/8"                              | 9'-11 1/8"                             |
| 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 1/2"                             |
| 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 3/4"                             |
| 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'                                 |
| 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 3/8"                             |
| 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 5/8"                             |
| WN97C<br>WN98C          | 1'-9 7/8"<br>1'-9 7/8"                 | 2'-11 5/8"<br>2'-11 3/4"              | 141.871°<br>142.021°             | 5'-4 5/8"<br>5'-4 3/4"                 | 158.217°<br>158.194°             | 1'-4 3/8"<br>1'-4 1/4"                 | 9'-8 5/8"<br>9'-8 3/4"                 | 5'-2"<br>5'-2"                         | 8'-2"<br>8'-2 3/8"                     | 10'-0 3/8"<br>10'-0 7/8"<br>10'-1 1/4" |
| 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 1/2"                             |
| 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 3/4"                             |
| 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'-2'                                 |
| 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 3/8'                             |
| 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 5/8"                             |
| 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 7/8"                             |
| 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 1/8"                             |
| WN106C<br>WN107C        | 1'-10 3/8"<br>1'-10 3/8"               | 3'-0 1/2"<br>3'-0 5/8"                | 142.932°<br>143.011°             | 5'-6"<br>5'-6 1/4"                     | 157.992°<br>157.965°             | 1'-3 1/8"                              | 9'-9 5/8"                              | 5'-2 1/2"<br>5'-2 1/2"                 | 8'-4 3/8"<br>8'-4 5/8"                 | 10'-3 3/8"<br>10'-3 3/4"               |
| 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'-4'                                 |
| 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 1/4"                             |
| 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 1/2"                             |
| 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 3/4"                             |
| 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'-5'                                 |
| 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'-5'                                 |
| 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 1/4'                             |
| 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 1/2'                             |
| 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 7/8"                             |
| 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 1/8"                             |
| WN117C<br>WN118C        | 1'-11"                                 | 3'-0 7/8"<br>3'-0 7/8"                | 143.421°<br>143.425°             | 5'-8 3/8"<br>5'-8 5/8"                 | 157.676°<br>157.646°             | 1'-1 5/8"<br>1'-1 1/2"                 | 9'-11"<br>9'-11"                       | 5'-3 1/8"<br>5'-3 1/8"                 | 8'-7"<br>8'-7 1/4"                     | 10'-6 3/8"                             |
| 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"                              |  |
| 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<br>WN132C        | 1'-11 3/4"<br>1'-11 7/8"               | 3'-0 3/8"<br>3'-0 3/8"                | 142.835°<br>142.741°             | 6'-0 1/4"<br>6'-0 5/8"                 | 157.198°<br>157.159°             | 0'-11 7/8"<br>0'-11 3/4"               | 10'-0 5/8"<br>10'-0 3/4"               | 5-3 7/8"<br>5'-3 7/8"<br>5'-4"         | 8'-10 1/8"<br>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<br>WN136C        | 2'-0"<br>2'-0 1/8"<br>2'-0 1/8"        | 3'-0 1/8"<br>3'-0"<br>2'-11 7/8"      | 142.410°<br>142.284°<br>142.150° | 6'-1 5/8"<br>6'-1 7/8"<br>6'-2 1/4"    | 157.043°<br>157.003°<br>156.961° | 0'-11 1/2"<br>0'-11 3/8"<br>0'-11 1/4" | 10'-1 1/8"<br>10'-1 1/4"<br>10'-1 3/8" | 5'-4 1/8"<br>5'-4 1/8"                 | 8'-10 7/8"<br>8'-11 1/8"<br>8'-11 1/4" |  |
| 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<br>WN145C        | 2'-0 1/2"<br>2'-0 5/8"<br>2'-0 5/8"    | 2'-11"<br>2'-10 3/4"<br>2'-10 5/8"    | 140.979°<br>140.776°<br>140.563° | 6'-4 7/8"<br>6'-5 1/4"<br>6'-5 5/8"    | 156.661°<br>156.615°<br>156.567° | 0'-10 1/2"<br>0'-10 3/8"<br>0'-10 1/4" | 10'-2 1/4"<br>10'-2 3/8"<br>10'-2 1/2" | 5'-4 5/8"<br>5'-4 5/8"<br>5'-4 3/4"    | 9'-0 5/8"<br>9'-0 7/8"<br>9'-1"        |  |
| 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                  | 2'-0 3/4"                              | 2'-10 1/2"                            | 140.341°                         | 6'-6"                                  | 156.520°                         | 0'-10 1/8"                             | 10'-2 5/8"                             | 5'-4 3/4"                              | 9'-1 1/4"                              |  |
| WN148C                  | 2'-0 3/4"                              | 2'-10 1/4"                            | 140.108°                         | 6'-6 3/8"                              | 156.472°                         | 0'-10"                                 | 10'-2 3/4"                             | 5'-4 7/8"                              | 9'-1 3/8"                              |  |
| WN149C                  | 2'-0 7/8"                              | 2'-10 1/8"                            | 139.867°                         | 6'-6 3/4"                              | 156.425°                         | 0'-9 7/8"                              | 10'-2 7/8"                             | 5'-4 7/8"                              | 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"                              |  |
| 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 5/8"<br>2'-1 3/4"<br>2'-1 3/4"    | 2'-6 3/4"<br>2'-6 1/2"                | 134.780°<br>134.324°<br>133.855° | 7'-1 1/2"<br>7'-2"<br>7'-2 1/2"        | 155.548°<br>155.488°             | 0'-8 1/2"<br>0'-8 3/8"<br>0'-8 1/4"    | 10'-5"<br>10'-5 1/8"<br>10'-5 3/8"     | 5'-5 1/2"<br>5'-5 1/2"<br>5'-5 1/2"    | 9'-4 1/4"<br>9'-4 3/8"                 |  |
| WN166C                  |  |                                       |                                  | 7'-2 1/2                               | 155.424°                         | 0'-8 1/4"                              | 10'-5 1/2"                             | 5'-5 1/2"                              | 9'-4 1/2"                              |  |

|                            | WE   | ST                                  | BR  | IDG                                 | E -                              | NO                                  | RT                                     | H R                                 | 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>H04V</u> |
| WN170C                     | 2'-2"  | 2'-5 1/2"                           | 131.786°                                    | 7'-4 5/8"                           | 155.234°                         | 0'-8"                               | 10'-6"                                 | 5'-5 5/8"                           | 9'-5"                               |             |
| WN171C                     | 2'-2 1/8"  | 2'-5 1/4"                           | 131.222°                                    | 7'-5 1/8"                           | 155.169°                         | 0'-7 7/8"                           | 10'-6 1/4"                             | 5'-5 5/8"                           | 9'-5 1/8"                           |             |
| WN172C                     | 2'-2 1/8"  | 2'-5"                               | 130.635°                                    | 7'-5 5/8"                           | 155.100°                         | 0'-7 3/4"                           | 10'-6 3/8"                             | 5'-5 5/8"                           | 9'-5 1/4"                           |             |
| WN173C<br>WN174C           | 2'-2 1/4"<br>2'-2 1/4"                           | 2'-4 3/4"<br>2'-4 1/2"              | 130.027°<br>129.394°<br>128.740°            | 7'-6 1/8"<br>7'-6 3/4"              | 155.032°<br>154.964°             | 0'-7 3/4"<br>0'-7 5/8"              | 10'-6 5/8"<br>10'-6 3/4"<br>10'-7"     | 5'-5 5/8"<br>5'-5 5/8"              | 9'-5 3/8"<br>9'-5 1/2"              |             |
| WN175C<br>WN176C<br>WN177C | 2'-2 1/4"<br>2'-2 3/8"<br>2'-2 3/8"              | 2'-4 1/4"<br>2'-4"<br>2'-3 5/8"     | 128.063°<br>127.359°                        | 7'-7 1/4"<br>7'-7 3/4"<br>7'-8 3/8" | 154.893°<br>154.822°<br>154.752° | 0'-7 1/2"<br>0'-7 1/2"<br>0'-7 3/8" | 10'-7 1/8"<br>10'-7 3/8"               | 5'-5 5/8"<br>5'-5 3/4"<br>5'-5 3/4" | 9'-5 5/8"<br>9'-5 3/4"<br>9'-5 7/8" |             |
| WN178C                     | 2'-2 1/2"  | 2'-3 3/8"                           | 126.631°                                    | 7'-8 7/8"                           | 154.678°                         | 0'-7 1/4"                           | 10'-7 5/8"                             | 5'-5 3/4"                           | 9'-6"                               |             |
| WN179C                     | 2'-2 1/2"  | 2'-3 1/8"                           | 125.873°                                    | 7'-9 1/2"                           | 154.605°                         | 0'-7 1/4"                           | 10'-7 7/8"                             | 5'-5 3/4"                           | 9'-6 1/8"                           |             |
| WN180C                     | 2'-2 5/8"  | 2'-2 7/8"                           | 125.092°                                    | 7'-10"                              | 154.532°                         | 0'-7 1/8"                           | 10'-8"                                 | 5'-5 3/4"                           | 9'-6 1/4"                           |             |
| WN181C                     | 2'-2 5/8"  | 2'-2 5/8"                           | 124.372°                                    | 7'-10 5/8"                          | 154.456°                         | 0'-7 1/8"                           | 10'-8 3/8"                             | 5'-5 3/4"                           | 9'-6 3/8"                           |             |
| WN182C                     | 2'-2 5/8"  | 2'-2 3/8"                           | 123.668°                                    | 7'-11 1/4"                          | 154.380°                         | 0'-7"                               | 10'-8 5/8"                             | 5'-5 3/4"                           | 9'-6 1/2"                           |             |
| WN183C                     | 2'-2 1/2"  | 2'-2 1/4"                           | 122.939°                                    | 7'-11 3/4"                          | 154.304°                         | 0'-6 7/8"                           | 10'-8 7/8"                             | 5'-5 3/4"                           | 9'-6 5/8"                           |             |
| WN184C                     | 2'-2 1/2"  | 2'-2"                               | 122.184°                                    | 8'-0 3/8"                           | 154.225°                         | 0'-6 7/8"                           | 10'-9 1/4"                             | 5'-5 7/8"                           | 9'-6 3/4"                           |             |
| WN185C                     | 2'-2 1/2"  | 2'-1 3/4"                           | 121.403°                                    | 8'-1"                               | 154.147°                         | 0'-6 3/4"                           | 10'-9 1/2"                             | 5'-5 7/8"                           | 9'-6 7/8"                           |             |
| WN186C                     | 2'-2 1/2"  | 2'-1 5/8"                           | 120.973°                                    | 8'-1 3/8"                           | 154.064°                         | 0'-6 3/4"                           | 10'-9 3/4"                             | 5'-5 7/8"                           | 9'-7"                               |             |
| WN187C<br>WN188C<br>WN189C | 2'-2 1/2"<br>2'-2 1/2"<br>2'-2 1/2"<br>2'-2 1/2" | 2'-1 7/8"<br>2'-2 1/8"<br>2'-2 1/2" | 121.912°<br>122.822°<br>123.703°            | 8'-0 3/4"<br>8'-0 3/8"              | 153.987°<br>153.906°<br>153.820° | 0'-6 5/8"<br>0'-6 1/2"<br>0'-6 1/2" | 10'-9 5/8"<br>10'-9 1/2"<br>10'-9 3/8" | 5'-5 7/8"<br>5'-5 7/8"<br>5'-5 7/8" | 9'-7 1/8"<br>9'-7 1/4"<br>9'-7 3/8" |             |
| WN190C                     | 2'-2 3/8"  | 2'-2 3/4"                           | 124.555°                                    | 8'-0 1/8"                           | 153.736°                         | 0'-6 3/8"                           | 10'-9 1/4"                             | 5'-5 7/8"                           | 9'-7 1/2"                           |             |
| WN191C                     | 2'-2 3/8"  | 2'-3"                               | 125.382°                                    | 7'-11 3/4"                          | 153.652°                         | 0'-6 3/8"                           | 10'-9 1/8"                             | 5'-6"                               | 9'-7 5/8"                           |             |
| WN192C                     | 2'-2 3/8"  | 2'-3 1/4"                           | 126.180°                                    | 7'-11 1/2"                          | 153.564°                         | 0'-6 1/4"                           | 10'-9"                                 | 5'-6"                               | 9'-7 3/4"                           |             |
| WN193C                     | 2'-2 3/8"  | 2'-3 1/2"                           | 126.952°                                    | 7'-11 1/4"                          | 153.476°                         | 0'-6 1/4"                           | 10'-9"                                 | 5'-6"                               | 9'-7 3/4"                           |             |
| WN194C                     | 2'-2 3/8"  | 2'-3 3/4"                           | 127.699°                                    | 7'-10 7/8"                          | 153.390°                         | 0'-6 1/8"                           | 10'-8 7/8"                             | 5'-6"                               | 9'-7 7/8"                           |             |
| WN195C                     | 2'-2 3/8"  | 2'-4 1/8"                           | 128.421°                                    | 7'-10 5/8"                          | 153.299°                         | 0'-6 1/8"                           | 10'-8 3/4"                             | 5'-6"                               | 9'-8"                               |             |
| WN196C                     | 2'-2 3/8"  | 2'-4 3/8"                           | 129.122°                                    | 7'-10 3/8"                          | 153.209°                         | 0'-6"                               | 10'-8 3/4"                             | 5'-6"                               | 9'-8 1/8"                           |             |
| WN197C                     | 2'-2 1/4"  | 2'-4 5/8"                           | 129.799°                                    | 7'-10 1/8"                          | 153.120°                         | 0'-6"                               | 10'-8 5/8"                             | 5'-6"                               | 9'-8 1/4"                           |             |
| WN198C                     | 2'-2 1/4"  | 2'-4 7/8"                           | 130.455°                                    | 7'-9 3/4"                           | 153.027°                         | 0'-5 7/8"                           | 10'-8 5/8"                             | 5'-6"                               | 9'-8 3/8"                           |             |
| WN199C                     | 2'-2 1/4"  | 2'-5 1/4"                           | 131.087°                                    | 7'-9 1/2"                           | 152.934°                         | 0'-5 7/8"                           | 10'-8 1/2"                             | 5'-6 1/8"                           | 9'-8 3/8"                           |             |
| WN200C                     | 2'-2 1/4"  | 2'-5 1/2"                           | 131.701°                                    | 7'-9 1/4"                           | 152.837°                         | 0'-5 3/4"                           | 10'-8 1/2"                             | 5'-6 1/8"                           | 9'-8 1/2"                           |             |
| WN201C                     | 2'-2 1/4"  | 2'-5 3/4"                           | 132.295°                                    | 7'-9"                               | 152.747°                         | 0'-5 3/4"                           | 10'-8 1/2"                             | 5'-6 1/8"                           | 9'-8 5/8"                           |             |
| WN202C                     | 2'-2 1/4"  | 2'-6"                               | 132.867°                                    | 7'-8 3/4"                           | 152.652°                         | 0'-5 5/8"                           | 10'-8 3/8"                             | 5'-6 1/8"                           | 9'-8 3/4"                           |             |
| WN203C                     | 2'-2 1/4"  | 2'-6 1/4"                           | 133.421°                                    | 7'-8 1/2"                           | 152.552°                         | 0'-5 5/8"                           | 10'-8 3/8"                             | 5'-6 1/8"                           | 9'-8 3/4"                           |             |
| WN204C                     | 2'-2 1/8"  | 2'-6 5/8"                           | 133.959°                                    | 7'-8 1/4"                           | 152.460°                         | 0'-5 1/2"                           | 10'-8 3/8"                             | 5'-6 1/8"                           | 9'-8 7/8"                           |             |
| WN205C                     | 2'-2 1/8"  | 2'-6 7/8"                           | 134.479°                                    | 7'-8"                               | 152.357°                         | 0'-5 1/2"                           | 10'-8 1/4"                             | 5'-6 1/8"                           | 9'-9"                               |             |
| WN206C                     | 2'-2 1/8"  | 2'-7 1/8"                           | 134.982°                                    | 7'-7 3/4"                           | 152.261°                         | 0'-5 3/8"                           | 10'-8 1/4"                             | 5'-6 1/4"                           | 9'-9"                               |             |
| WN207C                     | 2'-2 1/8"  | 2'-7 3/8"                           | 135.469°                                    | 7'-7 1/2"                           | 152.160°                         | 0'-5 3/8"                           | 10'-8 1/4"                             | 5'-6 1/4"                           | 9'-9 1/8"                           |             |
| WN208C                     | 2'-2 1/8"  | 2'-7 5/8"                           | 135.940°                                    | 7'-7 1/4"                           | 152.061°                         | 0'-5 3/8"                           | 10'-8 1/4"                             | 5'-6 1/4"                           | 9'-9 1/4"                           |             |
| WN209C                     | 2'-2 1/8"  | 2'-7 7/8"                           | 136.396°                                    | 7'-7"                               | 151.957°                         | 0'-5 1/4"                           | 10'-8 1/8"                             | 5'-6 1/4"                           | 9'-9 1/4"                           |             |
| WN210C                     | 2'-2 1/8"  | 2'-8 1/8"                           | 136.837°                                    | 7'-6 3/4"                           | 151.854°                         | 0'-5 1/4"                           | 10'-8 1/8"                             | 5'-6 1/4"                           | 9'-9 3/8"                           |             |
| WN211C                     | 2'-2"  | 2'-8 3/8"                           | 137.262°                                    | 7'-6 1/2"                           | 151.753°                         | 0'-5 1/8"                           | 10'-8 1/8"                             | 5'-6 1/4"                           | 9'-9 1/2"                           |             |
| WN212C                     | 2'-2"  | 2'-8 5/8"                           | 137.676°                                    | 7'-6 3/8"                           | 151.647°                         | 0'-5 1/8"                           | 10'-8 1/8"                             | 5'-6 1/4"                           | 9'-9 1/2"                           |             |
| WN213C                     | 2'-2"  | 2'-8 7/8"                           | 138.075°                                    | 7'-6 1/8"                           | 151.542°                         | 0'-5 1/8"                           | 10'-8 1/8"                             | 5'-6 1/4"                           | 9'-9 5/8"                           |             |
| WN214C                     | 2'-2"  | 2'-9 1/8"                           | 138.461°                                    | 7'-5 7/8"                           | 151.440°                         | 0'-5"                               | 10'-8 1/8"                             | 5'-6 3/8"                           | 9'-9 5/8"                           |             |
| WN215C                     | 2'-2"  | 2'-9 3/8"                           | 138.835°                                    | 7'-5 5/8"                           | 151.332°                         | 0'-5"                               | 10'-8 1/8"                             | 5'-6 3/8"                           | 9'-9 3/4"                           |             |
| WN216C                     | 2'-2"  | 2'-9 5/8"                           | 139.198°                                    | 7'-5 1/2"                           | 151.226°                         | 0'-4 7/8"                           | 10'-8"                                 | 5'-6 3/8"                           | 9'-9 3/4"                           |             |
| WN217C                     | 2'-2"  | 2'-9 7/8"                           | 139.548°                                    | 7'-5 1/4"                           | 151.116°                         | 0'-4 7/8"                           | 10'-8"                                 | 5'-6 3/8"                           | 9'-9 7/8"                           |             |
| WN218C                     | 2'-1 7/8"  | 2'-10 1/8"                          | 139.888°                                    | 7'-5"                               | 151.013°                         | 0'-4 7/8"                           | 10'-8"                                 | 5'-6 3/8"                           | 9'-10"                              |             |
| WN219C                     | 2'-1 7/8"  | 2'-10 3/8"                          | 140.214°                                    | 7'-4 7/8"                           | 150.907°                         | 0'-4 3/4"                           | 10'-8"                                 | 5'-6 3/8"                           | 9'-10"                              |             |
| WN220C                     | 2'-1 7/8"  | 2'-10 5/8"                          | 140.531°                                    | 7'-4 5/8"                           | 150.795°                         | 0'-4 3/4"                           | 10'-8"                                 | 5'-6 3/8"                           | 9'-10 1/8"                          |             |
| WN221C                     | 2'-1 7/8"  | 2'-10 7/8"                          | 140.838°                                    | 7'-4 1/2"                           | 150.692°                         | 0'-4 3/4"                           | 10'-8"                                 | 5'-6 3/8"                           | 9'-10 1/8"                          |             |
| WN222C                     | 2'-1 7/8"  | 2'-11"                              | 141.135°                                    | 7'-4 1/4"                           | 150.585°                         | 0'-4 5/8"                           | 10'-8"                                 | 5'-6 3/8"                           | 9'-10 1/8"                          |             |
| WN223C                     | 2'-1 7/8"  | 2'-11 1/4"                          | 141.422°                                    | 7'-4 1/8"                           | 150.472°                         | 0'-4 5/8"                           | 10'-8"                                 | 5'-6 3/8"                           | 9'-10 1/4"                          |             |
| WN224C                     | 2'-1 7/8"  | 2'-11 1/2"                          | 141.699°                                    | 7'-4"                               | 150.362°                         | 0'-4 5/8"                           | 10'-8"                                 | 5'-6 3/8"                           | 9'-10 1/4"                          |             |
| WN225C                     | 2'-1 3/4"  | 2'-11 3/4"                          | 141.967°                                    | 7'-3 3/4"                           | 150.254°                         | 0'-4 1/2"                           | 10'-8"                                 | 5'-6 3/8"                           | 9'-10 3/8"                          |             |
| WN226C                     | 2'-1 3/4"  | 2'-11 7/8"                          | 142.227°                                    | 7'-3 5/8"                           | 150.141°                         | 0'-4 1/2"                           | 10'-8"                                 | 5'-6 3/8"                           | 9'-10 3/8"                          |             |
| WN227C                     | 2'-1 3/4"  | 3'-0 1/8"                           | 142.477°                                    | 7'-3 3/8"                           | 150.031°                         | 0'-4 1/2"                           | 10'-8"                                 | 5'-6 3/8"                           | 9'-10 1/2"                          |             |
| WN228C                     | 2'-1 3/4"  | 3'-0 3/8"                           | 142.718°                                    | 7'-3 1/4"                           | 149.924°                         | 0'-4 3/8"                           | 10'-8"                                 | 5'-6 3/8"                           | 9'-10 1/2"                          |             |
| WN229C                     | 2'-1 3/4"  | 3'-0 1/2"                           | 142.952°                                    | 7'-3 1/8"                           | 149.812°                         | 0'-4 3/8"                           | 10'-8"                                 | 5'-6 1/4"                           | 9'-10 1/2"                          |             |
| WN230C                     | 2'-1 3/4"  | 3'-0 3/4"                           | 143.178°                                    | 7'-3"                               | 149.702°                         | 0'-4 3/8"                           | 10'-8"                                 | 5'-6 1/4"                           | 9'-10 5/8"                          |             |
| WN231C                     | 2'-1 3/4"  | 3'-0 7/8"                           | 143.396°                                    | 7'-2 3/4"                           | 149.588°                         | 0'-4 3/8"                           | 10'-8"                                 | 5'-6 1/4"                           | 9'-10 5/8"                          |             |
| WN232C                     | 2'-1 5/8"  | 3'-1 1/8"                           | 143.606°                                    | 7'-2 5/8"                           | 149.484°                         | 0'-4 1/4"                           | 10'-8"                                 | 5'-6 1/4"                           | 9'-10 5/8"                          |             |
| WN233C                     | 2'-1 5/8"  | 3'-1 1/4"                           | 143.808°                                    | 7'-2 1/2"                           | 149.384°                         | 0'-4 1/4"                           | 10'-8"                                 | 5'-6 1/4"                           | 9'-10 3/4"                          |             |
| WN234C                     | 2'-1 5/8"  | 3'-1 3/8"                           | 144.004°                                    | 7'-2 3/8"                           | 149.271°                         | 0'-4 1/4"                           | 10'-8"                                 | 5'-6 1/4"                           | 9'-10 3/4"                          |             |
| WN235C                     | 2'-1 5/8"  | 3'-1 5/8"                           | 144.192°                                    | 7'-2 1/4"                           | 149.162°                         | 0'-4 1/8"                           | 10'-8"                                 | 5'-6 1/4"                           | 9'-10 3/4"                          |             |
| WN236C                     | 2'-1 5/8"  | 3'-1 3/4"                           | 144.372°                                    | 7'-2 1/8"                           | 149.047°                         | 0'-4 1/8"                           | 10'-8"                                 | 5'-6 1/4"                           | 9'-10 7/8"                          |             |
| WN237C                     | 2'-1 5/8"  | 3'-1 7/8"                           | 144.547°                                    | 7'-2"                               | 148.944°                         | 0'-4 1/8"                           | 10'-8"                                 | 5'-6 1/4"                           | 9'-10 7/8"                          |             |
| WN238C                     | 2'-1 5/8"  | 3'-2 1/8"                           | 144.715°                                    | 7'-1 7/8"                           | 148.837°                         | 0'-4 1/8"                           | 10'-8"                                 | 5'-6 1/4"                           | 9'-10 7/8"                          |             |
| WN239C                     | 2'-1 1/2"  | 3'-2 1/4"                           | 144.876°                                    | 7'-1 3/4"                           | 148.734°                         | 0'-4 1/8"                           | 10'-8"                                 | 5'-6 1/4"                           | 9'-10 7/8"                          |             |
| WN240C                     | 2'-1 1/2"  | 3'-2 3/8"                           | 145.031°                                    | 7'-1 5/8"                           | 148.634°                         | 0'-4"                               | 10'-8"                                 | 5'-6 1/4"                           | 9'-11"                              |             |
| WN241C                     | 2'-1 1/2"  | 3'-2 1/2"                           | 145.179°                                    | 7'-1 1/2"                           | 148.530°                         | 0'-4"                               | 10'-8 1/8"                             | 5'-6 1/4"                           | 9'-11"                              |             |
| WN242C                     | 2'-1 1/2"  | 3'-2 5/8"                           | 145.323°                                    | 7'-1 3/8"                           | 148.421°                         | 0'-4"                               | 10'-8 1/8"                             | 5'-6 1/4"                           | 9'-11"                              |             |
| WN243C                     | 2'-1 1/2"  | 3'-2 3/4"                           | 145.459°                                    | 7'-1 1/4"                           | 148.325°                         | 0'-4"                               | 10'-8 1/8"                             | 5'-6 1/4"                           | 9'-11"                              |             |
| WN244C                     | 2'-1 1/2"  | 3'-2 7/8"                           | 145.589°                                    | 7'-1 1/4"                           | 148.224°                         | 0'-4"                               | 10'-8 1/8"                             | 5'-6 1/4"                           | 9'-11"                              |             |
| WN245C                     | 2'-1 1/2"  | 3'-3"                               | 145.713°                                    | 7'-1 1/8"                           | 148.129°                         | 0'-3 7/8"                           | 10'-8 1/8"                             | 5'-6 1/4"                           | 9'-11 1/8"                          |             |
| WN246C                     | 2'-1 3/8"  | 3'-3 1/8"                           | 145.833°                                    | 7'-1"                               | 148.028°                         | 0'-3 7/8"                           | 10'-8 1/8"                             | 5'-6 1/4"                           | 9'-11 1/8"                          |             |
| WN247C                     | 2'-1 3/8"  | 3'-3 1/4"                           | 145.947°                                    | 7'-0 7/8"                           | 147.932°                         | 0'-3 7/8"                           | 10'-8 1/8"                             | 5'-6 1/4"                           | 9'-11 1/8"                          |             |
| WN248C                     | 2'-1 3/8"  | 3'-3 3/8"                           | 146.054°                                    | 7'-0 7/8"                           | 147.832°                         | 0'-3 7/8"                           | 10'-8 1/8"                             | 5'-6 1/4"                           | 9'-11 1/8"                          |             |
| WN249C                     | 2'-1 3/8"  | 3'-3 1/2"                           | 146.157°                                    | 7'-0 3/4"                           | 147.746°                         | 0'-3 7/8"                           | 10'-8 1/8"                             | 5'-6 1/8"                           | 9'-11 1/8"                          |             |
| WN250C                     | 2'-1 3/8"  | 3'-3 5/8"                           | 146.255°                                    | 7'-0 3/4"                           | 147.656°                         | 0'-3 7/8"                           | 10'-8 1/8"                             | 5'-6 1/8"                           | 9'-11 1/8"                          |             |
| WN251C                     | 2'-1 3/8"  | 3'-3 3/4"                           | 146.347°                                    | 7'-0 5/8"                           | 147.561°                         | 0'-3 3/4"                           | 10'-8 1/8"                             | 5'-6 1/8"                           | 9'-11 1/8"                          |             |
| WN252C                     | 2'-1 3/8"  | 3'-3 3/4"                           | 146.435°                                    | 7'-0 1/2"                           | 147.481°                         | 0'-3 3/4"                           | 10'-8 1/8"                             | 5'-6 1/8"                           | 9'-11 1/8"                          |             |
| WN253C                     | 2'-1 1/4"  | 3'-3 7/8"                           | 146.516°                                    | 7'-0 1/2"                           | 147.387°                         | 0'-3 3/4"                           | 10'-8 1/8"                             | 5'-6 1/8"                           | 9'-11 1/8"                          |             |
| WN254C                     | 2'-1 1/4"  | 3'-4"                               | 146.592°                                    | 7'-0 3/8"                           | 147.308°                         | 0'-3 3/4"                           | 10'-8 1/8"                             | 5'-6 1/8"                           | 9'-11 1/4"                          |             |
| WN255C                     | 2'-1 1/4"  | 3'-4"                               | 146.663°                                    | 7'-0 3/8"                           | 147.215°                         | 0'-3 3/4"                           | 10'-8 1/8"                             | 5'-6 1/8"                           | 9'-11 1/4"                          |             |
| WN256C                     | 2'-1 1/4"  | 3'-4 1/8"                           | 146.731°                                    | 7'-0 1/4"                           | 147.138°                         | 0'-3 3/4"                           | 10'-8 1/8"                             | 5'-6 1/8"                           | 9'-11 1/4"                          |             |
| WN257C                     | 2'-1 1/4"  | 3'-4 1/8"                           | 146.793°                                    | 7'-0 1/4"                           | 147.067°                         | 0'-3 3/4"                           | 10'-8 1/8"                             | 5'-6 1/8"                           | 9'-11 1/4"                          |             |
| WN258C                     | 2'-1 1/4"  | 3'-4 1/4"                           | 146.850°                                    | 7'-0 1/4"                           | 146.991°                         | 0'-3 3/4"                           | 10'-8 1/8"                             | 5'-6 1/8"                           | 9'-11 1/4"                          |             |
| WN259C                     | 2'-1 1/4"  | 3'-4 1/4"                           | 146.903°                                    | 7'-0 1/8"                           | 146.922°                         | 0'-3 5/8"                           | 10'-8 1/8"                             | 5'-6 1/8"                           | 9'-11 1/4"                          |             |
| WN260C                     | 2'-1 1/8"  | 3'-4 3/8"                           | 146.950°                                    | 7'-0 1/8"                           | 146.858°                         | 0'-3 5/8"                           | 10'-8 1/8"                             | 5'-6 1/8"                           | 9'-11 1/4"                          |             |
| WN261C                     | 2'-1 1/8"  | 3'-4 3/8"                           | 146.992°                                    | 7'-0 1/8"                           | 146.781°                         | 0'-3 5/8"                           | 10'-8 1/8"                             | 5'-6 1/8"                           | 9'-11 1/4"                          |             |
| WN262C                     | 2'-1 1/8"  | 3'-4 3/8"                           | 147.031°                                    | 7'-0 1/8"                           | 146.720°                         | 0'-3 5/8"                           | 10'-8 1/8"                             | 5'-6 1/8"                           | 9'-11 1/8"                          |             |
| WN263C                     | 2'-1 1/8"  | 3'-4 1/2"                           | 147.064°                                    | 7'-0"                               | 146.654°                         | 0'-3 5/8"                           | 10'-8 1/8"                             | 5'-6 1/8"                           | 9'-11 1/8"                          |             |
| WN264C                     | 2'-1 1/8"  | 3'-4 1/2"                           | 147.093°                                    | 7'-0"                               | 146.596°                         | 0'-3 5/8"                           | 10'-8 1/8"                             | 5'-6 1/8"                           | 9'-11 1/8"                          |             |
| WN265C<br>WN266C<br>WN267C | 2'-1 1/8"<br>2'-1 1/8"<br>2'-1"                  | 3'-4 1/2"                           | 147.117°<br>147.137°<br>147.152°            | 7'-0"<br>7'-0"<br>7'-0"             | 146.437°                         | 0'-3 5/8"                           | 10'-8 1/8"                             | 5'-6 1/8"<br>5'-6 1/8"<br>5'-6 1/8" | 9'-11 1/8"                          |             |
| WN268C                     | 2'-1"  | 3'-4 5/8"                           | 147.163°                                    | 7'-0"                               | 146.384°                         | 0'-3 5/8"                           | 10'-8 1/8"                             | 5'-6 1/8"                           | 9'-11 1/8"                          |             |
| WN269C                     | 2'-1"  | 3'-4 5/8"                           | 147.169°                                    | 7'-0"                               | 146.348°                         | 0'-3 5/8"                           | 10'-8 1/8"                             | 5'-6"                               | 9'-11 1/8"                          |             |
| WN270C                     | 2'-1"  | 3'-4 5/8"                           | 147.169°                                    | 7'-0"                               | 146.297°                         | 0'-3 5/8"                           | 10'-8 1/8"                             | 5'-6"                               | 9'-11 1/8"                          |             |
| WN271C                     | 2'-1"  | 3'-4 5/8"                           | 147.166°                                    | 7'-0"                               | 146.264°                         | 0'-3 5/8"                           | 10'-8 1/8"                             | 5'-6"                               | 9'-11"                              |             |
| WN272C                     | 2'-1"  | 3'-4 5/8"                           | 147.159°                                    | 7'-0"                               | 146.227°                         | 0'-3 5/8"                           | 10'-8 1/8"                             | 5'-6"                               | 9'-11"                              |             |
| WN273C                     | 2'-1"  | 3'-4 1/2"                           | 147.147°                                    | 7'-0"                               | 146.187°                         | 0'-3 5/8"                           | 10'-8 1/8"                             | 5'-6"                               | 9'-11"                              |             |
| WN274C                     | 2'-0 7/8"  | 3'-4 1/2"                           | 147.129°                                    | 7'-0"                               | 146.163°                         | 0'-3 5/8"                           | 10'-8 1/8"                             | 5'-6"                               | 9'-11"                              |             |
| WN275C                     | 2'-0 7/8"  | 3'-4 1/2"                           | 147.108°                                    | 7'-0"                               | 146.147°                         | 0'-3 5/8"                           | 10'-8 1/8"                             | 5'-6"                               | 9'-10 7/8"                          |             |
| WN276C                     | 2'-0 7/8"  | 3'-4 1/2"                           | 147.082°                                    | 7'-0"                               | 146.106°                         | 0'-3 5/8"                           | 10'-8 1/8"                             | 5'-6"                               | 9'-10 7/8"                          |             |
| WN277C                     | 2'-0 7/8"  | 3'-4 1/2"                           | 147.052°                                    | 7'-0 1/8"                           | 146.093°                         | 0'-3 5/8"                           | 10'-8 1/8"                             | 5'-6"                               | 9'-10 7/8"                          |             |
| WN278C                     | 2'-0 7/8"  | 3'-4 3/8"                           | 147.016°                                    | 7'-0 1/8"                           | 146.076°                         | 0'-3 5/8"                           | 10'-8 1/8"                             | 5'-6"                               | 9'-10 7/8"                          |             |
| WN279C                     | 2'-0 7/8"  | 3'-4 3/8"                           | 146.976°                                    | 7'-0 1/8"                           | 146.067°                         | 0'-3 5/8"                           | 10'-8 1/8"                             | 5'-6"                               | 9'-10 3/4"                          |             |
| WN280C                     | 2'-0 7/8"  | 3'-4 3/8"                           | 146.931°                                    | 7'-0 1/8"                           | 146.053°                         | 0'-3 5/8"                           | 10'-8 1/8"                             | 5'-5 7/8"                           | 9'-10 3/4"                          |             |
| WN281C                     | 2'-0 3/4"  | 3'-4 1/4"                           | 146.882°                                    | 7'-0 1/4"                           | 146.047°                         | 0'-3 5/8"                           | 10'-8 1/8"                             | 5'-5 7/8"                           | 9'-10 3/4"                          |             |
| WN282C                     | 2'-0 3/4"  | 3'-4 1/4"                           | 146.828°                                    | 7'-0 1/4"                           | 146.048°                         | 0'-3 5/8"                           | 10'-8 1/8"                             | 5'-5 7/8"                           | 9'-10 3/4"                          |             |
| WN283C                     | 2'-0 3/4"  | 3'-4 1/8"                           | 146.769°                                    | 7'-0 3/8"                           | 146.044°                         | 0'-3 5/8"                           | 10'-8 1/8"                             | 5'-5 3/4"                           | 9'-10 5/8"                          |             |
| WN284C                     | 2'-0 3/4"  | 3'-4 1/8"                           | 146.705°                                    | 7'-0 3/8"                           | 146.038°                         | 0'-3 5/8"                           | 10'-8 1/8"                             | 5'-5 3/4"                           | 9'-10 5/8"                          |             |
| WN285C                     | 2'-0 3/4"  | 3'-4"                               | 146.636°                                    | 7'-0 3/8"                           | 146.048°                         | 0'-3 5/8"                           | 10'-8 1/8"                             | 5'-5 3/4"                           | 9'-10 1/2"                          |             |
| WN286C                     | 2'-0 3/4"  | 3'-3 7/8"                           | 146.562°                                    | 7'-0 1/2"                           | 146.055°                         | 0'-3 5/8"                           | 10'-8 1/8"                             | 5'-5 5/8"                           | 9'-10 1/2"                          |             |
| WN287C                     | 2'-0 3/4"  | 3'-3 7/8"                           | 146.483°                                    | 7'-0 1/2"                           | 146.069°                         | 0'-3 5/8"                           | 10'-8 1/8"                             | 5'-5 5/8"                           | 9'-10 1/2"                          |             |
| WN288C                     | 2'-0 5/8"  | 3'-3 3/4"                           | 146.399°                                    | 7'-0 5/8"                           | 146.089°                         | 0'-3 3/4"                           | 10'-8 1/8"                             | 5'-5 5/8"                           | 9'-10 3/8"                          |             |
| WN289C                     | 2'-0 5/8"  | 3'-3 5/8"                           | 146.311°                                    | 7'-0 3/4"                           | 146.095°                         | 0'-3 3/4"                           | 10'-8 1/8"                             | 5'-5 1/2"                           | 9'-10 3/8"                          |             |
| WN290C                     | 2'-0 5/8"  | 3'-3 5/8"                           | 146.216°                                    | 7'-0 3/4"                           | 146.129°                         | 0'-3 3/4"                           | 10'-8"                                 | 5'-5 1/2"                           | 9'-10 1/4"                          |             |
| WN291C                     | 2'-0 5/8"  | 3'-3 1/2"                           | 146.117°                                    | 7'-0 7/8"                           | 146.148°                         | 0'-3 3/4"                           | 10'-8"                                 | 5'-5 1/2"                           | 9'-10 1/4"                          |             |
| WN292C                     | 2'-0 5/8"  | 3'-3 3/8"                           | 146.012°                                    | 7'-1"                               | 146.164°                         | 0'-3 3/4"                           | 10'-8"                                 | 5'-5 3/8"                           | 9'-10 1/4"                          |             |
| WN293C                     | 2'-0 5/8"  | 3'-3 1/4"                           | 145.902°                                    | 7'-1"                               | 146.206°                         | 0'-3 3/4"                           | 10'-8"                                 | 5'-5 3/8"                           | 9'-10 1/8"                          |             |
| WN294C                     | 2'-0 5/8"  | 3'-3 1/8"                           | 145.786°                                    | 7'-1 1/8"                           | 146.235°                         | 0'-3 3/4"                           | 10'-8"                                 | 5'-5 3/8"                           | 9'-10 1/8"                          |             |
| WN295C                     | 2'-0 1/2"  | 3'-3"                               | 145.664°                                    | 7'-1 1/4"                           | 146.269°                         | 0'-3 3/4"                           | 10'-8"                                 | 5'-5 3/8"                           | 9'-10"                              |             |
| WN296C                     | 2'-0 1/2"  | 3'-2 7/8"                           | 145.537°                                    | 7'-1 3/8"                           | 146.300°                         | 0'-3 3/4"                           | 10'-8"                                 | 5'-5 1/4"                           | 9'-10"                              |             |
| WN297C                     | 2'-0 1/2"  | 3'-2 3/4"                           | 145.404°                                    | 7'-1 3/8"                           | 146.337°                         | 0'-3 7/8"                           | 10'-8"                                 | 5'-5 1/4"                           | 9'-9 7/8"                           |             |
| WN298C                     | 2'-0 1/2"  | 3'-2 5/8"                           | 145.265°                                    | 7'-1 1/2"                           | 146.391°                         | 0'-3 7/8"                           | 10'-8"                                 | 5'-5 1/4"                           | 9'-9 7/8"                           |             |
| WN299C                     | 2'-0 1/2"  | 3'-2 1/2"                           | 145.120°                                    | 7'-1 5/8"                           | 146.430°                         | 0'-3 7/8"                           | 10'-8"                                 | 5'-5 1/8"                           | 9'-9 3/4"                           |             |
| WN300C                     | 2'-0 1/2"  | 3'-2 3/8"                           | 144.969°                                    | 7'-1 3/4"                           | 146.485°                         | 0'-3 7/8"                           | 10'-8"                                 | 5'-5 1/8"                           | 9'-9 5/8"                           |             |
| WN301C                     | 2'-0 1/2"  | 3'-2 1/8"                           | 144.812°                                    | 7'-1 7/8"                           | 146.526°                         | 0'-3 7/8"                           | 10'-8"                                 | 5'-5 1/8"                           | 9'-9 5/8"                           |             |
| WN302C                     | 2'-0 3/8"  | 3'-2"                               | 144.649°                                    | 7'-2"                               | 146.573°                         | 0'-3 7/8"                           | 10'-8"                                 | 5'-5"                               | 9'-9 1/2"                           |             |
| WN303C                     | 2'-0 3/8"  | 3'-1 7/8"                           | 144.477°                                    | 7'-2 1/8"                           | 146.625°                         | 0'-4"                               | 10'-8"                                 | 5'-5"                               | 9'-9 1/2"                           |             |
| WN304C                     | 2'-0 3/8"  | 3'-1 3/4"                           | 144.299°                                    | 7'-2 1/4"                           | 146.683°                         | 0'-4"                               | 10'-8"                                 | 5'-5"                               | 9'-9 3/8"                           |             |
| WN305C                     | 2'-0 3/8"  | 3'-1 1/2"                           | 144.116°                                    | 7'-2 3/8"                           | 146.746°                         | 0'-4"                               | 10'-8"                                 | 5'-4 7/8"                           | 9'-9 1/4"                           |             |
| WN306C                     | 2'-0 3/8"  | 3'-1 3/8"                           | 143.925°                                    | 7'-2 1/2"                           | 146.805°                         | 0'-4"                               | 10'-7 7/8"                             | 5'-4 7/8"                           | 9'-9 1/4"                           |             |
| WN307C                     | 2'-0 3/8"  | 3'-1 1/8"                           | 143.726°                                    | 7'-2 5/8"                           | 146.870°                         | 0'-4 1/8"                           | 10'-7 7/8"                             | 5'-4 7/8"                           | 9'-9 1/8"                           |             |
| WN309C<br>WN309C<br>WN310C | 2'-0 3/8"<br>2'-0 1/4"<br>2'-0 1/4"              | 3'-1"<br>3'-0 7/8"<br>3'-0 5/8"     | 143.720<br>143.522°<br>143.309°<br>143.088° | 7'-2 7/8"<br>7'-3"<br>7'-3 1/8"     | 146.930°<br>146.995°<br>147.065° | 0'-4 1/8"<br>0'-4 1/8"<br>0'-4 1/8" | 10'-7 7/8"<br>10'-7 7/8"<br>10'-7 7/8" | 5'-4 3/4"<br>5'-4 3/4"<br>5'-4 3/4" | 9'-9 1/8"<br>9'-9"<br>9'-8 7/8"     |             |
| WN311C                     | 2'-0 1/4"  | 3'-0 3/8"                           | 142.859°                                    | 7'-3 1/4"                           | 147.131°                         | 0'-4 1/8"                           | 10'-7 7/8"                             | 5'-4 5/8"                           | 9'-8 3/4"                           |             |
| WN312C                     | 2'-0 1/4"  | 3'-0 1/4"                           | 142.621°                                    | 7'-3 1/2"                           | 147.201°                         | 0'-4 1/4"                           | 10'-7 7/8"                             | 5'-4 5/8"                           | 9'-8 3/4"                           |             |
| WN313C                     | 2'-0 1/4"  | 3'-0"                               | 142.375°                                    | 7'-3 5/8"                           | 147.276°                         | 0'-4 1/4"                           | 10'-7 7/8"                             | 5'-4 5/8"                           | 9'-8 5/8"                           |             |
| WN314C                     | 2'-0 1/4"  | 2'-11 7/8"                          | 142.122°                                    | 7'-3 3/4"                           | 147.347°                         | 0'-4 1/4"                           | 10'-7 7/8"                             | 5'-4 1/2"                           | 9'-8 1/2"                           |             |
| WN315C                     | 2'-0 1/4"  | 2'-11 5/8"                          | 141.859°                                    | 7'-4"                               | 147.422°                         | 0'-4 1/4"                           | 10'-7 7/8"                             | 5'-4 1/2"                           | 9'-8 1/2"                           |             |
| WN316C<br>WN317C<br>WN318C | 2'-0 1/8"<br>2'-0 1/8"<br>2'-0 1/8"              | 2'-11 3/8"<br>2'-11 1/4"<br>2'-11"  | 141.587°<br>141.306°<br>141.015°            | 7'-4 1/8"<br>7'-4 3/8"<br>7'-4 1/2" | 147.493°<br>147.576°<br>147.647° |                                     | 10'-7 7/8"<br>10'-7 7/8"<br>10'-7 7/8" | 5'-4 1/2"<br>5'-4 1/2"<br>5'-4 3/8" |                                     |             |
| WN319C                     | 2'-0 1/8"  | 2'-10 3/4"                          | 140.715°                                    | 7'-4 3/4"                           | 147.730°                         | 0'-4 1/2"                           | 10'-7 7/8"                             | 5'-4 3/8"                           | 9'-8"                               |             |
| WN320C                     | 2'-0 1/8"  | 2'-10 1/2"                          | 140.402°                                    | 7'-4 7/8"                           | 147.809°                         | 0'-4 1/2"                           | 10'-7 7/8"                             | 5'-4 3/8"                           | 9'-8"                               |             |
| WN321C                     | 2'-0 1/8"  | 2'-10 1/4"                          | 140.081°                                    | 7'-5 1/8"                           | 147.883°                         | 0'-4 1/2"                           | 10'-7 7/8"                             | 5'-4 1/4"                           | 9'-7 7/8"                           |             |
| WN322C                     | 2'-0 1/8"  | 2'-10"                              | 139.748°                                    | 7'-5 1/4"                           | 147.969°                         | 0'-4 5/8"                           | 10'-7 7/8"                             | 5'-4 1/4"                           | 9'-7 3/4"                           |             |
| WN323C                     | 2'-0"  | 2'-9 3/4"                           | 139.405°                                    | 7'-5 1/2"                           | 148.051°                         | 0'-4 5/8"                           | 10'-7 7/8"                             | 5'-4 1/4"                           | 9'-7 5/8"                           |             |
| WN324C                     | 2'-0"  | 2'-9 5/8"                           | 139.051°                                    | 7'-5 3/4"                           | 148.136°                         | 0'-4 5/8"                           | 10'-7 7/8"                             | 5'-4 1/8"                           | 9'-7 1/2"                           |             |
| WN325C                     | 2'-0"  | 2'-9 3/8"                           | 138.683°                                    | 7'-5 7/8"                           | 148.216°                         | 0'-4 5/8"                           | 10'-7 7/8"                             | 5'-4 1/8"                           | 9'-7 3/8"                           |             |
| WN326C                     | 2'-0"  | 2'-9 1/8"                           | 138.304°                                    | 7'-6 1/8"                           | 148.300°                         | 0'-4 3/4"                           | 10'-7 7/8"                             | 5'-4 1/8"                           | 9'-7 1/4"                           |             |
| WN327C                     | 2'-0"  | 2'-8 7/8"                           | 137.913°                                    | 7'-6 3/8"                           | 148.387°                         | 0'-4 3/4"                           | 10'-7 7/8"                             | 5'-4 1/8"                           | 9'-7 1/8"                           |             |
| WN328C                     | 2'-0"  | 2'-8 5/8"                           | 137.507°                                    | 7'-6 5/8"                           | 148.470°                         | 0'-4 7/8"                           | 10'-8"                                 | 5'-4"                               | 9'-7"                               |             |
| WN329C                     | 2'-0"  | 2'-8 1/4"                           | 137.088°                                    | 7'-6 3/4"                           | 148.556°                         | 0'-4 7/8"                           | 10'-8"                                 | 5'-4"                               | 9'-7"                               |             |
| WN330C                     | 1'-11 7/8"                                       | 2'-8"                               | 136.655°                                    | 7'-7"                               | 148.637°                         | 0'-4 7/8"                           | 10'-8"                                 | 5'-3 7/8"                           | 9'-6 7/8"                           |             |
| WN331C                     | 1'-11 7/8"                                       | 2'-7 3/4"                           | 136.208°                                    | 7'-7 1/4"                           | 148.729°                         | 0'-5"                               | 10'-8"                                 | 5'-3 7/8"                           | 9'-6 3/4"                           |             |
| WN332C                     | 1'-11 7/8"                                       | 2'-7 1/2"                           | 135.746°                                    | 7'-7 1/2"                           | 148.816°                         | 0'-5"                               | 10'-8"                                 | 5'-3 7/8"                           | 9'-6 5/8"                           |             |
| WN333C                     | 1'-11 7/8"                                       | 2'-7 1/4"                           | 135.269°                                    | 7'-7 3/4"                           | 148.906°                         | 0'-5"                               | 10'-8"                                 | 5'-3 3/4"                           | 9'-6 1/2"                           |             |
| WN334C                     | 1'-11 7/8"                                       | 2'-7"                               | 134.775°                                    | 7'-8"                               | 148.984°                         | 0'-5 1/8"                           | 10'-8 1/8"                             | 5'-3 3/4"                           | 9'-6 3/8"                           |             |
| WN335C                     | 1'-11 7/8"                                       | 2'-6 3/4"                           | 134.265°                                    | 7'-8 1/4"                           | 149.072°                         | 0'-5 1/8"                           | 10'-8 1/8"                             | 5'-3 3/4"                           | 9'-6 1/4"                           |             |
| WN336C                     | 1'-11 7/8"                                       | 2'-6 1/2"                           | 133.738°                                    | 7'-8 1/2"                           | 149.163°                         | 0'-5 1/4"                           | 10'-8 1/8"                             | 5'-3 3/4"                           | 9'-6 1/8"                           |             |
| WN337C                     | 1'-11 3/4"                                       | 2'-6 1/8"                           | 133.193°                                    | 7'-8 3/4"                           | 149.249°                         | 0'-5 1/4"                           | 10'-8 1/8"                             | 5'-3 5/8"                           | 9'-6"                               |             |
| WN338C                     | 1'-11 3/4"                                       | 2'-5 7/8"                           | 132.630°                                    | 7'-9"                               | 149.337°                         | 0'-5 1/4"                           | 10'-8 1/4"                             | 5'-3 5/8"                           | 9'-5 3/4"                           |             |
| vvivoJ8C                   | 1-113/4"   | Z-0 //8"                            | 13∠.03U°                                    | r'-9"                               | 149.33/                          | υ- <del>ວ</del> 1/4"                | 10-0 1/4"                              | <u>ე ე -ე ე/გ"</u>                  | ə-ə <b>3/4</b> "                    |             |

# **WEST BRIDGE - NORTH RUN**

|                            | WE                                  | ST                                  | BR                               | IDG                                   | iE -                             | NO                              | RT                                  | 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>H04V</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<br>WN344C           | 1'-11 3/4"<br>1'-11 5/8"            | 2'-4 1/2"<br>2'-4 1/4"              | 129.517°<br>128.832°             | 7'-10 1/8<br>7'-10 3/8"<br>7'-10 5/8" | 149.766°<br>149.854°             | 0'-5 5/8"<br>0'-5 5/8"          | 10'-8 1/2"<br>10'-8 1/2"            | 5'-3 1/4"<br>5'-3 1/4"              | 9'-5 1/8"<br>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<br>WN351C           | 1'-11 1/2"<br>1'-11 3/8"            | 2'-2 5/8"<br>2'-2 3/8"              | 124.393°<br>123.648°             | 8'-0 1/2"<br>8'-0 3/4"                | 150.279<br>150.360°<br>150.443°  | 0'-6"<br>0'-6"                  | 10'-9 1/8"<br>10'-9 1/4"            | 5'-2 7/8"<br>5'-2 7/8"              | 9'-4 1/8"<br>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<br>WN360C           | 1'-10 3/4"<br>1'-10 5/8"            | 2'-3 1/8"<br>2'-3 1/2"              | 125.945°<br>126.714°             | 7'-10 1/2"<br>7'-10"                  | 151.101°<br>151.180°             | 0'-6 5/8"                       | 10'-8 3/8"<br>10'-8 1/8"            | 5'-2 3/8"<br>5'-2 3/8"              | 9'-2 5/8"<br>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<br>WN364C           | 1'-10 3/8"<br>1'-10 1/4"            | 2'-4 1/4"<br>2'-4 1/2"              | 128.866°<br>129.534°             | 7'-8 1/4"<br>7'-7 3/4"                | 151.414°<br>151.487°             | 0'-6 7/8"                       | 10'-7 3/8"<br>10'-7 1/4"            | 5'-2 1/8"<br>5'-2 1/8"              | 9'-2"<br>9'-1 3/4"                    |                                       |
| WN365C                     | 1'-10 1/4"                          | 2'-4 3/4"                           | 130.177°                         | 7'-7 1/8"                             | 151.567°                         | 0'-7"                           | 10'-7"                              | 5'-2"                               | 9'-1 5/8"                             |                                       |
| WN366C                     | 1'-10 1/8"                          | 2'-5"                               | 130.798°                         | 7'-6 5/8"                             | 151.638°                         | 0'-7 1/8"                       | 10'-6 3/4"                          | 5'-2"                               | 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<br>WN376C           | 1'-9 3/8"                           | 2'-7 3/8"<br>2'-7 5/8"              | 135.472°<br>135.902°             | 7'-1 7/8"<br>7'-1 1/2"                | 152.292°<br>152.363°             | 0'-7 3/4"<br>0'-7 7/8"          | 10'-5 1/8"<br>10'-5"                | 5'-1 1/2"<br>5'-1 3/8"              | 8'-11 3/4"<br>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<br>WN380C           | 1'-9 1/8"                           | 2'-8 3/8"<br>2'-8 1/2"              | 137.100°<br>137.471°             | 7'-0"<br>6'-11 1/2"                   | 152.566°<br>152.632°             | 0'-8 1/8"                       | 10'-4 1/2"<br>10'-4 1/4"            | 5'-1 1/4"<br>5'-1 1/8"              | 8'-11"<br>8'-10 3/4"                  |                                       |
| WN381C                     | 1'-8 7/8"                           | 2'-8 3/4"                           | 137.827°                         | 6'-11"                                | 152.700°                         | 0'-8 3/8"                       | 10'-4 1/8"                          | 5'-1 1/8"                           | 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<br>WN385C           | 1'-8 5/8"<br>1'-8 5/8"              | 2'-9 3/8"<br>2'-9 5/8"              | 138.819°                         | 6'-9 5/8"<br>6'-9 1/4"                | 152.894°<br>152.956°             | 0'-8 5/8"                       | 10'-3 5/8"                          | 5'-0 7/8"<br>5'-0 7/8"              | 8'-9 7/8"<br>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"                             |                                       |
| 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<br>WN405C           | 1'-7"<br>1'-6 7/8"                  | 3'-0 1/2"<br>3'-0 5/8"              | 142.996°<br>143.114°             | 6'-1 3/4"<br>6'-1 3/8"                | 154.037°<br>154.091°             | 0'-10 5/8"                      | 10'-0 7/8"<br>10'-0 3/4"            | 4'-11 5/8"<br>4'-11 1/2"            | 8'-5 3/8"<br>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<br>WN417C           | 1'-6"<br>1'-5 7/8"                  | 3'-1 3/8"<br>3'-1 3/8"              | 143.930°<br>143.963°             | 5'-10"<br>5'-9 3/4"                   | 154.617°<br>154.661°             | 0'-11 7/8"                      | 9'-11 1/4"<br>9'-11 1/8"            | 4'-10 1/2"<br>4'-10 1/2"            | 8'-2 3/8"<br>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'-1"                                |
| 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 3/4"                            |
| 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 1/2"                            |
| 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 1/8"                            |
| 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 7/8"                            |
| 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 5/8"                            |
| 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 1/4"                            |
| 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'-11"                                |
| 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 3/4"                            |
| WN430C                     | 1'-4 7/8"                           | 3'-1 1/4"                           | 143.783°                         | 5'-6 1/2"                             | 155.203°                         | 1'-1 5/8"                       | 9'-9 3/8"                           | 4'-9 3/8"                           | 7'-10 1/2"                            | 9'-10 3/8"                            |
| WN431C                     | 1'-4 3/4"                           | 3'-1 1/8"                           | 143.722°                         | 5'-6 3/8"                             | 155.241°                         | 1'-1 3/4"                       | 9'-9 1/4"                           | 4'-9 1/4"                           | 7'-10 1/4"                            | 9'-10 1/8"                            |
| WN432C<br>WN433C           | 1'-4 5/8"                           | 3'-1 1/8"<br>3'-1"                  | 143.654°<br>143.579°             | 5'-6 1/8"<br>5'-6"                    | 155.281°<br>155.317°             | 1'-1 7/8"                       | 9'-9 1/8"                           | 4'-9 1/8"<br>4'-9 1/8"              | 7'-10"<br>7'-9 5/8"                   | 9'-9 3/4"<br>9'-9 1/2"                |
| WN434C                     | 1'-4 1/2"                           | 3'-1"                               | 143.407°                         | 5'-5 3/4"                             | 155.354°                         | 1'-2 1/8"                       | 9'-8 7/8"                           | 4'-9"                               | 7'-9 3/8"                             | 9'-9 1/4"                             |
| WN435C                     | 1'-4 3/8"                           | 3'-0 7/8"                           |                                  | 5'-5 5/8"                             | 155.391°                         | 1'-2 1/4"                       | 9'-8 3/4"                           | 4'-8 7/8"                           | 7'-9 1/8"                             | 9'-8 7/8"                             |
| WN436C<br>WN437C           | 1'-4 3/8"<br>1'-4 1/4"              | 3'-0 7/8"<br>3'-0 3/4"              |                                  | 5'-5 3/8"<br>5'-5 1/4"                | 155.428°<br>155.463°             | 1'-2 1/2"<br>1'-2 5/8"          | 9'-8 5/8"<br>9'-8 1/2"              | 4'-8 7/8"<br>4'-8 3/4"              | 7'-8 3/4"<br>7'-8 1/2"                | 9'-8 5/8"<br>9'-8 1/4"<br>9'-8"       |
| WN438C<br>WN439C<br>WN440C | 1'-4 1/8"<br>1'-4 1/8"<br>1'-4"     | 3'-0 5/8"<br>3'-0 1/2"<br>3'-0 3/8" | 143.096°<br>142.977°<br>142.851° | 5'-5"<br>5'-4 7/8"<br>5'-4 3/4"       | 155.497°<br>155.533°<br>155.568° | 1'-2 3/4"<br>1'-2 7/8"<br>1'-3" | 9'-8 3/8"<br>9'-8 1/4"<br>9'-8 1/8" | 4'-8 5/8"<br>4'-8 5/8"<br>4'-8 1/2" | 7'-8 1/4"<br>7'-7 7/8"<br>7'-7 5/8"   | 9'-7 5/8"<br>9'-7 3/8"                |
| 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'-7"                                 |
| 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 5/8"                             |
| 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 3/8"                             |
| 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"                             |                                       |
| 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 3/4"                             |
| 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 3/8"                             |
| 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'-5"                                 |
| 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 3/4"                             |
| 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 3/8"                             |
| 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'-4"                                 |
| 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"                             |                                       |
| 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 3/8"                             |
| 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'-3"                                 |
| 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 3/4"                             |
| 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 3/8"                             |
| 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'-2"                                 |
| 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 5/8"                             |
| 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 1/4"                             |
| 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'-1"                                 |
| 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 5/8"                             |
| 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 1/4"                             |
| 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 7/8"                            |
| WN463C                     | 1'-2 1/8"                           | 2'-8 1/2"                           | 137.402°                         | 5'-2 1/2"                             | 156.275°                         | 1'-6 3/8"                       | 9'-5 3/8"                           | 4'-6 3/8"                           | 7'-0 1/4"                             | 8'-11 1/2"                            |
| WN464C                     | 1'-2"                               | 2'-8 1/4"                           | 137.027°                         | 5'-2 1/2"                             | 156.302°                         | 1'-6 1/2"                       | 9'-5 3/8"                           | 4'-6 1/4"                           | 6'-11 7/8"                            | 8'-11 1/8"                            |
| WN465C                     | 1'-2"                               | 2'-8"                               | 136.640°                         | 5'-2 1/2"                             | 156.329°                         | 1'-6 3/4"                       | 9'-5 1/4"                           | 4'-6 1/8"                           | 6'-11 1/2"                            | 8'-10 3/4"                            |
| WN466C                     | 1'-1 7/8"                           | 2'-7 3/4"                           | 136.236°                         | 5'-2 1/2"                             | 156.355°                         | 1'-6 7/8"                       | 9'-5 1/8"                           | 4'-6"                               | 6'-11 1/4"                            | 8'-10 3/8"                            |
| WN467C                     | 1'-1 3/4"                           | 2'-7 5/8"                           | 135.819°                         | 5'-2 1/2"                             | 156.382°                         | 1'-7"                           | 9'-5"                               | 4'-6"                               | 6'-10 7/8"                            | 8'-10 1/8"                            |
| 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 3/4"                             |
| 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 3/8"                             |
| 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'-9"                                 |
| 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 5/8"                             |
| 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 1/4"                             |
| 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 7/8"                             |
| 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 1/2"                             |
| 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 1/8"                             |
| 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 3/4"                             |
| 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 1/4"                             |
| 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 7/8"                             |
| 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 1/2"                             |
| 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 1/8"                             |
| 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 3/4"                             |
| 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 3/8"                             |
| 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 3/8"                             |
| WN483C                     | 1'-0 1/2"                           | 2'-3 3/8"                           | 126.530°                         | 5'-2 7/8"                             | 156.769°                         | 1'-9 5/8"                       | 9'-4"                               | 4'-4 1/8"                           | 6'-5 1/8"                             | 8'-4"                                 |
| WN484C                     | 1'-0 3/8"                           | 2'-3 1/8"                           | 125.750°                         | 5'-3"                                 | 156.790°                         | 1'-9 7/8"                       | 9'-4"                               | 4'-4"                               | 6'-4 3/4"                             | 8'-3 5/8"                             |
| WN485C                     | 1'-0 1/4"                           | 2'-2 7/8"                           | 124.941°                         | 5'-3 1/8"                             | 156.813°                         | 1'-10"                          | 9'-4"                               | 4'-3 7/8"                           | 6'-4 3/8"                             | 8'-3 1/8"                             |
| 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 3/4"                             |
| WN487C<br>WN488C<br>WN489B | 1'-0 1/8"<br>1'-0"<br>2'-1 3/8"     | 2'-2 1/4"<br>2'-2"<br>5'-3 1/8"     | 123.235°<br>122.336°<br>157.180° | 5'-3 1/4"<br>5'-3 1/4"<br>1'-11"      | 156.855°<br>156.948°             | 1'-10 3/8"<br>1'-10 5/8"        | 9'-4"<br>9'-4"<br>7'-2 1/8"         | 4'-3 5/8"<br>4'-3 5/8"<br>4'-3 1/2" | 6'-3 5/8"<br>6'-3 1/4"<br>6'-2 7/8"   | 8'-2 3/8"<br>8'-2"<br>8'-1 1/2"       |
| WN489B<br>WN490B<br>WN491B | 2'-1 3/8"<br>2'-1 1/2"<br>2'-2 1/4" | 5'-3 1/8"<br>5'-2 3/8"<br>5'-0 7/8" | 157.180°<br>157.401°<br>157.614° | 1'-11"<br>1'-11 3/8"<br>1'-11 3/4"    |                                  |                                 | 7'-2 1/8"<br>7'-1 3/4"<br>7'-0 5/8" | 4'-3 1/2"<br>4'-3 3/8"<br>4'-3 1/4" | 6'-2 7/8"<br>6'-2 3/8"<br>6'-2"       | 8'-1 1/2"<br>8'-1 1/8"<br>8'-0 3/4"   |
| WN492B<br>WN493B           | 2'-3"<br>2'-3 3/4"                  | 4'-11 1/2"<br>4'-10"                | 157.819°<br>158.016°             | 2'-0 1/8"<br>2'-0 1/2"                |                                  |                                 | 6'-11 5/8"<br>6'-10 1/2"            | 4'-3 1/8"<br>4'-3"                  | 6'-1 5/8"<br>6'-1 1/4"                | 8'-0 3/8"<br>7'-11 7/8"               |
| WN494B<br>WN495B           | 2'-4 1/2"<br>2'-5 1/4"              | 4'-8 5/8"<br>4'-7 1/8"              | 158.204°<br>158.386°             | 2'-0 7/8"<br>2'-1 1/4"                |                                  |                                 | 6'-9 1/2"<br>6'-8 3/8"              | 4'-2 7/8"<br>4'-2 3/4"              | 6'-0 7/8"<br>6'-0 1/2"                | 7'-11 1/2"<br>7'-11 1/8"              |
| WN496B<br>WN497B<br>WN498B | 2'-5 7/8"<br>2'-6 5/8"<br>2'-7 1/4" | 4'-5 3/4"<br>4'-4 3/8"<br>4'-3 1/8" | 158.561°<br>158.729°<br>158.891° | 2'-1 5/8"<br>2'-2"<br>2'-2 3/8"       |                                  |                                 | 6'-7 3/8"<br>6'-6 3/8"<br>6'-5 1/2" | 4'-2 5/8"<br>4'-2 5/8"<br>4'-2 1/2" | 6'-0 1/8"<br>5'-11 3/4"<br>5'-11 1/4" | 7'-10 5/8"<br>7'-10 1/4"<br>7'-9 3/4" |
| WN499B<br>WN500B           | 2'-7 7/8"<br>2'-8 1/2"              | 4'-1 3/4"<br>4'-0 3/8"              | 159.047°<br>159.197°             | 2'-2 3/4"<br>2'-3 1/8"                |                                  |                                 | 6'-4 1/2"<br>6'-3 1/2"              | 4'-2 3/8"<br>4'-2 1/4"              | 5'-10 7/8"<br>5'-10 1/2"              | 7'-9 3/8"<br>7'-9"                    |
| WN501B<br>WN502B           | 2'-9 1/8"<br>2'-9 3/4"              | 3'-11 1/8"<br>3'-9 7/8"             | 159.340°<br>159.479°             | 2'-3 1/2"<br>2'-3 7/8"                |                                  |                                 | 6'-2 5/8"<br>6'-1 5/8"              | 4'-2 1/8"<br>4'-2"                  | 5'-10 1/8"<br>5'-9 3/4"               | 7'-8 1/2"<br>7'-8 1/8"                |
| WN503B<br>WN504B           | 2'-10 1/4" 2'-10 3/4"               | 3'-8 5/8"<br>3'-7 3/8"              | 159.613°<br>159.742°             | 2'-4 1/4" 2'-4 5/8"                   |                                  |                                 | 6'-0 3/4"<br>5'-11 7/8"             | 4'-1 7/8"<br>4'-1 3/4"              | 5'-9 1/4"<br>5'-8 7/8"                | 7'-7 5/8"                             |

# **WEST BRIDGE - NORTH RUN**

| <u>P01V</u> | <u>L01</u>  | <u> A01</u>   | <u>L02</u>  | <u> A02</u>   | <u>L03</u>   | <u>L101</u>   | <u>ANV</u>   | <u>H03V</u>  | <u>HU4\</u>  |
|-------------|---|---|---|---|--|---|--|--|--|
|             |   | '   |   |   |  | '   |  |  |  |
| 3'-0 7/8"   | 3'-2 1/2"   | 160.213°  | 2'-6"   |   |  | 5'-8 1/2"   | 4'-1 3/8"  | 5'-7 1/4"  | 7'-5 1   |
| 3'-1 1/4"   | 3'-1 3/8"   | 160.321°  | 2'-6 3/8"   |   |  | 5'-7 3/4"   | 4'-1 1/4"  | 5'-6 3/4"  | 7'   |
| 3'-1 3/4"   | 3'-0 1/4"   | 160.423°  | 2'-6 3/4"   |   |  | 5'-7"   | 4'-1 1/8"  | 5'-6 3/8"  | 7'-4 5   |
| 3'-2 1/8"   | 2'-11 1/8"  | 160.523°  | 2'-7 1/8"   |   |  | 5'-6 1/4"   | 4'-1"  | 5'-6"  | 7'-4 1   |
| 3'-2 5/8"   | 2'-10"  | 160.619°  | 2'-7 1/2"   |   |  | 5'-5 1/2"   | 4'-0 7/8"  | 5'-5 1/2"  | 7'-3 3   |
| 3'-3"       | 2'-8 7/8"   | 160.713°  | 2'-7 3/4"   |   |  | 5'-4 3/4"   | 4'-0 3/4"  | 5'-5 1/8"  | 7'-3 1   |
| 3'-3 3/8"   | 2'-7 7/8"   | 160.802°  | 2'-8 1/8"   |   |  | 5'-4"   | 4'-0 5/8"  | 5'-4 3/4"  | 7'-2 3   |
| 3'-3 5/8"   | 2'-6 7/8"   | 160.888°  | 2'-8 1/2"   |   |  | 5'-3 3/8"   | 4'-0 5/8"  | 5'-4 1/4"  | 7'-2 3   |
| 3'-4"       | 2'-5 3/4"   | 160.972°  | 2'-8 7/8"   |   |  | 5'-2 5/8"   | 4'-0 1/2"  | 5'-3 7/8"  | 7'-1 7   |
| 3'-4 3/8"   | 2'-4 3/4"   | 161.052°  | 2'-9 1/4"   |   |  | 5'-2"   | 4'-0 3/8"  | 5'-3 3/8"  | 7'-1 3   |
| 3'-4 5/8"   | 2'-3 3/4"   | 161.129°  | 2'-9 1/2"   |   |  | 5'-1 3/8"   | 4'-0 1/4"  | 5'-3"  | 7'   |
| 3'-4 7/8"   | 2'-2 3/4"   | 161.203°  | 2'-9 7/8"   |   |  | 5'-0 3/4"   | 4'-0 1/8"  | 5'-2 1/2"  | 7'-0 1   |
| 3'-5 1/8"   | 2'-1 7/8"   | 161.276°  | 2'-10 1/4"  |   |  | 5'-0 1/8"   | 4'-0"  | 5'-2 1/8"  | 7'   |
| 3'-5 3/8"   | 2'-0 7/8"   | 161.345°  | 2'-10 5/8"  |   |  | 4'-11 1/2"  | 3'-11 7/8"   | 5'-1 3/4"  | 6'-11 5  |
| 3'-5 5/8"   | 2'-0"   | 161.412°  | 2'-11"  |   |  | 4'-10 7/8"  | 3'-11 3/4"   | 5'-1 1/4"  | 6'-11 1  |
| 3'-5 7/8"   | 1'-11 1/8"  | 161.476°  | 2'-11 1/4"  |   |  | 4'-10 3/8"  | 3'-11 3/4"   | 5'-0 7/8"  | 6'-10 5  |
| 3'-6"       | 1'-10 1/4"  | 161.538°  | 2'-11 5/8"  |   |  | 4'-9 7/8"   | 3'-11 5/8"   | 5'-0 3/8"  | 6'-10 1  |
| 3'-6 1/4"   | 1'-9 3/8"   | 161.598°  | 3'-0"   |   |  | 4'-9 1/4"   | 3'-11 1/2"   | 4'-11 7/8"   | 6'-9 3   |
| 3'-6 3/8"   | 1'-8 1/2"   | 161.655°  | 3'-0 3/8"   |   |  | 4'-8 3/4"   | 3'-11 3/8"   | 4'-11 1/2"   | 6'-9 1   |
| 3'-6 1/2"   | 1'-7 5/8"   | 161.711°  | 3'-0 5/8"   |   |  | 4'-8 1/4"   | 3'-11 1/4"   | 4'-11"   | 6'-8 3   |
| 3'-6 5/8"   | 1'-6 7/8"   | 161.764°  | 3'-1"   |   |  | 4'-7 3/4"   | 3'-11 1/8"   | 4'-10 5/8"   | 6'-8 1   |
| 3'-6 3/4"   | 1'-6"   | 161.815°  | 3'-1 3/8"   |   |  | 4'-7 3/8"   | 3'-11"   | 4'-10 1/8"   | 6'-7 3   |
| 3'-6 7/8"   | 1'-5 1/4"   | 161.865°  | 3'-1 5/8"   |   |  | 4'-6 7/8"   | 3'-10 7/8"   | 4'-9 3/4"  | 6'-7 1   |
| 3'-6 7/8"   | 1'-4 1/2"   | 161.912°  | 3'-2"   |   |  | 4'-6 1/2"   | 3'-10 3/4"   | 4'-9 1/4"  | 6'-6 7   |
| 3'-7"       | 1'-3 3/4"   | 161.958°  | 3'-2 3/8"   |   |  | 4'-6"   | 3'-10 3/4"   | 4'-8 3/4"  | 6'-6 3   |
| 3'-7"       | 1'-3"   | 162.002°  | 3'-2 5/8"   |   |  | 4'-5 5/8"   | 3'-10 5/8"   | 4'-8 3/8"  | 6'-5 7   |
|             | 3'-0 7/8" 3'-1 1/4" 3'-1 3/4" 3'-2 1/8" 3'-2 5/8" 3'-3 3/8" 3'-3 3/8" 3'-4 3/8" 3'-4 5/8" 3'-5 1/8" 3'-5 5/8" 3'-5 5/8" 3'-6 1/4" 3'-6 3/8" 3'-6 1/2" 3'-6 5/8" 3'-6 7/8" 3'-6 7/8" | 3'-0 7/8" 3'-2 1/2" 3'-1 1/4" 3'-1 3/8" 3'-1 3/4" 3'-0 1/4" 3'-2 1/8" 2'-11 1/8" 3'-2 5/8" 2'-10" 3'-3" 2'-8 7/8" 3'-3 3/8" 2'-7 7/8" 3'-3 5/8" 2'-6 7/8" 3'-4 3/4 5/8" 2'-3 3/4" 3'-4 5/8" 2'-3 3/4" 3'-4 5/8" 2'-3 3/4" 3'-5 1/8" 2'-1 7/8" 3'-5 1/8" 2'-1 7/8" 3'-5 7/8" 1'-11 1/8" 3'-6 3/8" 1'-10 1/4" 3'-6 1/4" 1'-9 3/8" 1'-6 7/8" 1'-6 7/8" 1'-6 7/8" 1'-6 7/8" 1'-6 7/8" 1'-6 7/8" 1'-6 7/8" 1'-6 7/8" 1'-6 7/8" 1'-6 7/8" 1'-6 7/8" 1'-5 1/4" 3'-6 7/8" 1'-5 1/4" 1'-6" 3'-6 7/8" 1'-5 1/4" 1'-6" 3'-6 7/8" 1'-5 1/4" 1'-6" 3'-6 7/8" 1'-5 1/4" 1'-6" 3'-6 7/8" 1'-5 1/4" 1'-6" 3'-6 7/8" 1'-5 1/4" 1'-6" 3'-6 7/8" 1'-5 1/4" 1'-6" 3'-6 7/8" 1'-5 1/4" 1'-4 1/2" 3'-7" 1'-3 3/4" 1'-4 1/2" 1'-3 3/4" | 3'-0 7/8" 3'-2 1/2" 160.213° 3'-1 1/4" 3'-1 3/8" 160.321° 3'-1 3/4" 3'-0 1/4" 160.423° 3'-2 1/8" 2'-11 1/8" 160.523° 3'-2 1/8" 2'-11 1/8" 160.523° 3'-2 5/8" 2'-10" 160.619° 3'-3" 2'-8 7/8" 160.713° 3'-3 3/8" 2'-7 7/8" 160.802° 3'-3 5/8" 2'-6 7/8" 160.802° 3'-4 3/8" 2'-5 3/4" 160.972° 3'-4 3/8" 2'-3 3/4" 161.052° 3'-4 5/8" 2'-3 3/4" 161.203° 3'-5 1/8" 2'-1 7/8" 161.203° 3'-5 1/8" 2'-1 7/8" 161.276° 3'-5 3/8" 2'-0 7/8" 161.345° 3'-5 5/8" 2'-0" 161.412° 3'-5 7/8" 1'-11 1/8" 161.538° 3'-6 3/8" 1'-10 1/4" 161.538° 3'-6 3/8" 1'-8 1/2" 161.555° 3'-6 3/8" 1'-6 7/8" 161.711° 3'-6 5/8" 1'-6 7/8" 161.711° 3'-6 5/8" 1'-6 7/8" 161.815° 3'-6 7/8" 1'-5 1/4" 161.815° 3'-6 7/8" 1'-5 1/4" 161.815° 3'-6 7/8" 1'-1 1/4" 161.815° 3'-6 7/8" 1'-5 1/4" 161.912° 3'-7" 1'-3 3/4" 161.958° | 3'-0 7/8" 3'-2 1/2" 160.213° 2'-6" 3'-1 1/4" 3'-1 3/8" 160.321° 2'-6 3/8" 3'-1 3/4" 3'-0 1/4" 160.423° 2'-6 3/4" 3'-2 1/8" 2'-111 1/8" 160.523° 2'-7 1/8" 3'-2 5/8" 2'-10" 160.619° 2'-7 1/2" 3'-3" 2'-8 7/8" 160.713° 2'-7 3/4" 3'-3 3/8" 2'-7 7/8" 160.802° 2'-8 1/8" 3'-3 5/8" 2'-6 7/8" 160.802° 2'-8 1/8" 3'-3 5/8" 2'-6 7/8" 160.802° 2'-8 1/8" 3'-4 2'-5 3/4" 160.972° 2'-8 7/8" 3'-4 3/4" 2'-5 3/4" 160.972° 2'-8 7/8" 3'-4 3/4" 2'-5 3/4" 161.052° 2'-9 1/2" 3'-4 7/8" 2'-3 3/4" 161.29° 2'-9 1/2" 3'-4 7/8" 2'-3 3/4" 161.29° 2'-9 1/2" 3'-5 7/8" 1-11 1/8" 161.276° 2'-10 1/4" 3'-5 3/8" 2'-0 7/8" 161.345° 2'-10 5/8" 3'-5 5/8" 2'-0" 161.412° 2'-11" 3'-5 7/8" 1'-11 1/8" 161.538° 2'-11 5/8" 3'-6 3/8" 1'-10 1/4" 161.538° 2'-11 5/8" 3'-6 3/8" 1'-8 1/2" 161.555° 3'-0 3/8" 3'-6 3/8" 1'-8 1/2" 161.655° 3'-0 3/8" 3'-6 3/8" 1'-6 7/8" 161.711° 3'-0 5/8" 3'-6 3/8" 1'-6 7/8" 161.815° 3'-1 3/8" 3'-6 7/8" 1'-5 1/4" 161.815° 3'-1 3/8" 3'-6 7/8" 1'-5 1/4" 161.815° 3'-1 3/8" 3'-6 7/8" 1'-4 1/2" 161.952° 3'-2" 3'-2" 3'-7" 1'-3 3/4" 161.958° 3'-2 3/8" | 3'-0 7/8" 3'-2 1/2" 160.213° 2'-6" 3'-1 1/4" 3'-1 3/8" 160.321° 2'-6 3/8" 3'-1 3/4" 3'-0 1/4" 160.423° 2'-6 3/4" 3'-2 1/8" 2'-11 1/8" 160.523° 2'-7 1/8" 3'-2 5/8" 2'-10" 160.619° 2'-7 1/2" 3'-3" 2'-8 7/8" 160.713° 2'-7 3/4" 3'-3 3/8" 2'-6 7/8" 160.802° 2'-8 1/8" 3'-3 5/8" 2'-6 7/8" 160.802° 2'-8 1/8" 3'-3 5/8" 2'-6 7/8" 160.888° 2'-8 1/2" 3'-4" 2'-5 3/4" 160.902° 2'-8 1/8" 3'-4 3'-4" 2'-5 3/4" 160.902° 2'-8 7/8" 3'-4 3/4" 2'-5 3/4" 161.052° 2'-9 1/4" 3'-4 5/8" 2'-4 3/4" 161.052° 2'-9 1/4" 3'-4 5/8" 2'-3 3/4" 161.129° 2'-9 1/2" 3'-4 7/8" 2'-2 3/4" 161.203° 2'-9 7/8" 3'-5 1/8" 2'-1 7/8" 161.345° 2'-10 5/8" 3'-5 3/8" 2'-0 7/8" 161.345° 2'-10 5/8" 3'-5 5/8" 2'-0 7/8" 161.476° 2'-11 1/4" 3'-6" 1'-10 1/4" 161.538° 2'-11 5/8" 3'-6 1/4" 1'-9 3/8" 161.598° 3'-0" 3'-6 3/8" 1'-8 1/2" 161.655° 3'-0 3/8" 3'-6 3/8" 1'-8 1/2" 161.655° 3'-0 3/8" 3'-6 3/8" 1'-6 7/8" 161.711° 3'-0 5/8" 3'-6 5/8" 1'-6 7/8" 161.815° 3'-1 3/8" 3'-6 7/8" 1'-5 1/4" 161.855° 3'-1 3/8" 3'-6 7/8" 1'-5 1/4" 161.855° 3'-1 3/8" 3'-6 7/8" 1'-5 1/4" 161.815° 3'-1 3/8" 3'-6 7/8" 1'-5 1/4" 161.855° 3'-1 3/8" 3'-6 7/8" 1'-5 1/4" 161.855° 3'-1 3/8" 3'-6 7/8" 1'-5 1/4" 161.865° 3'-1 5/8" 3'-6 7/8" 1'-5 1/4" 161.865° 3'-1 5/8" 3'-6 7/8" 1'-5 1/4" 161.952° 3'-2" 3'-2" 3'-2" 3'-7" 1'-3 3/4" 161.958° 3'-2 3/8" | 3'-0 7/8" 3'-2 1/2" 160.213° 2'-6" 3'-1 1/4" 3'-1 3/8" 160.321° 2'-6 3/8" 3'-1 3/4" 3'-0 1/4" 160.423° 2'-6 3/4" 3'-2 1/8" 2'-11 1/8" 160.523° 2'-7 1/8" 3'-2 5/8" 2'-10" 160.619° 2'-7 1/2" 2'-7 3/4" 3'-3" 2'-8 7/8" 160.713° 2'-7 3/4" 3'-3 3/8" 2'-6 7/8" 160.802° 2'-8 1/8" 3'-3 5/8" 2'-6 7/8" 160.802° 2'-8 1/8" 3'-3 5/8" 2'-6 7/8" 160.802° 2'-8 1/8" 3'-4" 2'-5 3/4" 160.972° 2'-8 7/8" 3'-4 3/4" 2'-5 3/4" 161.972° 2'-9 1/2" 3'-4 5/8" 2'-1 3/4" 161.129° 2'-9 1/2" 3'-4 5/8" 2'-1 3/4" 161.203° 2'-9 7/8" 3'-5 1/8" 2'-1 7/8" 161.345° 2'-10 1/4" 3'-5 1/8" 2'-1 7/8" 161.345° 2'-10 1/4" 3'-5 5/8" 2'-0 7/8" 161.412° 2'-11 1/4" 3'-5 1/8" 2'-1 7/8" 161.426° 2'-11 1/4" 3'-6" 1'-10 1/4" 161.538° 2'-11 5/8" 2'-11 5/8" 3'-6 1/4" 1'-9 3/8" 161.598° 3'-0" 3'-6 3/8" 1'-8 1/2" 161.655° 3'-0 3/8" 3'-6 3/8" 1'-6 1/8" 161.711° 3'-0 5/8" 3'-6 5/8" 1'-6 7/8" 161.711° 3'-0 5/8" 3'-1 3/8" 3'-6 5/8" 1'-6 7/8" 161.815° 3'-1 3/8" 3'-1 3/8" 3'-6 7/8" 1'-5 1/4" 161.855° 3'-1 3/8" 3'-6 7/8" 1'-5 1/4" 161.855° 3'-1 3/8" 3'-6 7/8" 1'-5 1/4" 161.855° 3'-1 3/8" 3'-6 7/8" 1'-4 1/2" 161.815° 3'-1 3/8" 3'-6 7/8" 1'-4 1/2" 161.912° 3'-2" 3'-2" 3'-7" 1'-3 3/4" 161.958° 3'-2 3/8" | 3'-0 7/8" 3'-2 1/2" 160.213° 2'-6" 5'-8 1/2" 3'-1 1/4" 3'-1 3/8" 160.321° 2'-6 3/8" 5'-7 3/4" 3'-1 3/4" 3'-0 1/4" 160.423° 2'-6 3/4" 5'-7 3/4" 3'-2 1/8" 2'-11 1/8" 160.523° 2'-7 1/8" 5'-6 1/4" 3'-2 5/8" 2'-10" 160.619° 2'-7 1/2" 5'-5 1/2" 3'-3" 2'-8 7/8" 160.713° 2'-7 3/4" 5'-4 3/4" 3'-3 3/8" 2'-7 7/8" 160.802° 2'-8 1/8" 5'-4 3/4" 3'-3 3/8" 2'-6 7/8" 160.808° 2'-8 1/2" 5'-3 3/8" 3'-4" 2'-5 3/4" 160.972° 2'-8 7/8" 5'-2 5/8" 3'-4 3/8" 2'-4 3/4" 161.052° 2'-9 1/2" 5'-3 3/8" 3'-4 3/8" 2'-4 3/4" 161.052° 2'-9 1/2" 5'-1 3/8" 3'-4 5/8" 2'-3 3/4" 161.129° 2'-9 1/2" 5'-1 3/8" 3'-5 1/8" 2'-1 7/8" 161.276° 2'-10 1/4" 5'-0 1/8" 3'-5 5/8" 2'-0 7/8" 161.345° 2'-10 5/8" 4'-11 1/2" 4'-10 7/8" 3'-5 5/8" 2'-0 161.412° 2'-11 1/4" 4'-10 7/8" 3'-6 11/1 1/4" 161.538° 2'-11 5/8" 4'-11 3/8" 3'-6 11/1 1/4" 161.598° 3'-0" 4'-9 1/4" 3'-6 5/8" 1'-5 1/8" 161.711° 3'-0 5/8" 4'-8 1/4" 3'-6 5/8" 1'-5 7/8" 161.711° 3'-0 5/8" 4'-9 7/8" 3'-6 3/6" 1'-10 1/4" 161.598° 3'-0" 4'-9 7/8" 3'-6 5/8" 1'-5 7/8" 161.711° 3'-0 5/8" 4'-8 1/4" 3'-6 5/8" 1'-6 1/6 1/6 1/5 38° 3'-0 3/8" 4'-8 1/4" 3'-6 5/8" 1'-6 7/8" 161.711° 3'-0 5/8" 4'-8 1/4" 3'-6 7/8" 1'-5 7/8" 161.815° 3'-1 3/8" 4'-8 1/4" 3'-6 7/8" 1'-6 7/8" 161.815° 3'-1 3/8" 4'-7 3/8" 3'-6 7/8" 1'-5 1/4" 161.855° 3'-1 3/8" 4'-6 7/8" 3'-6 7/8" 1'-5 1/4" 161.855° 3'-1 3/8" 4'-6 7/8" | 3'-0 7/8" 3'-2 1/2" 160.213° 2'-6" 5'-8 1/2" 4'-1 3/8" 3'-1 1/4" 3'-1 3/8" 160.321° 2'-6 3/8" 5'-7 3/4" 4'-1 1/4" 3'-1 3/4" 160.423° 2'-6 3/4" 5'-7 3/4" 4'-1 1/4" 3'-1 1/8" 160.523° 2'-7 1/8" 5'-6 1/4" 4'-1 1/8" 5'-6 1/4" 4'-7 1/8" 5'-5 1/2" 4'-0 7/8" 3'-2 5/8" 2'-10" 160.619° 2'-7 1/2" 5'-5 1/2" 4'-0 7/8" 3'-3 2'-8 7/8" 160.713° 2'-7 3/4" 5'-4 3/4" 4'-0 3/4" 4'-0 3/4" 3'-3 3/8" 2'-7 7/8" 160.802° 2'-8 1/8" 5'-4 3/4" 4'-0 5/8" 3'-3 5/8" 2'-6 7/8" 160.802° 2'-8 1/8" 5'-3 3/8" 4'-0 5/8" 3'-4 3/4" 160.802° 2'-8 1/8" 5'-3 3/8" 4'-0 5/8" 3'-4 3/4" 160.802° 2'-8 1/8" 5'-2 5/8" 4'-0 1/2" 5'-5 3/8" 4'-0 1/2" 5'-5 3/8" 4'-0 1/2" 5'-5 3/8" 4'-0 1/2" 5'-2 3/4" 160.972° 2'-8 7/8" 5'-2 5/8" 4'-0 1/2" 5'-2 3/4" 161.052° 2'-9 1/4" 5'-2 3/4" 5'-2 3/4" 4'-0 1/8" 5'-2 3/4" 161.29° 2'-9 1/2" 5'-1 3/8" 4'-0 1/8" 3'-4 5/8" 2'-2 3/4" 161.29° 2'-9 1/2" 5'-1 3/8" 4'-0 1/8" 3'-5 1/8" 2'-1 7/8" 161.276° 2'-10 1/4" 5'-0 1/8" 4'-0 1/8" 3'-5 5/8" 2'-0 7/8" 161.345° 2'-10 5/8" 4'-11 1/2" 3'-11 7/8" 3'-5 5/8" 2'-0 7/8" 161.345° 2'-10 5/8" 4'-10 1/8" 4'-10 7/8" 3'-11 3/4" 3'-6 5/8" 1'-10 1/4" 161.538° 2'-11 5/8" 4'-9 7/8" 3'-6 1/4" 3'-6 1/4" 3'-6 1/2" 1'-7 5/8" 161.764° 3'-10 3/8" 4'-9 7/8" 3'-11 3/8" 3'-6 1/2" 1'-7 5/8" 161.764° 3'-10 3/8" 3'-10 3/8" 3'-6 3/8" 1'-6 1/2" 161.815° 3'-0 3/8" 4'-7 3/8" 3'-11 1/2 | 3'-0 7/8" 3'-2 1/2" 160.213° 2'-6" 5'-8 1/2" 4'-1 3/8" 5'-7 1/4" 3'-1 1/4" 3'-1 3/8" 160.321° 2'-6 3/8" 5'-7 3/4" 4'-1 1/4" 5'-6 3/8" 3'-1 1/4" 3'-1 3/8" 160.423° 2'-6 3/4" 5'-7 3/4" 4'-1 1/8" 5'-6 3/8" 3'-2 1/8" 2'-11 1/8" 160.623° 2'-7 1/8" 5'-6 1/4" 4'-1" 5'-6" 3'-2 5/8" 2'-10" 160.619° 2'-7 1/2" 5'-5 1/2" 4'-0 7/8" 5'-5 1/2" 4'-0 7/8" 5'-5 1/2" 4'-0 7/8" 5'-5 1/2" 4'-0 7/8" 5'-5 1/2" 4'-0 7/8" 5'-5 1/2" 4'-0 7/8" 5'-5 1/2" 4'-0 7/8" 5'-5 1/2" 4'-0 7/8" 5'-5 1/2" 4'-0 7/8" 5'-5 1/2" 4'-0 7/8" 5'-5 1/2" 5'-5 1/2" 4'-0 7/8" 5'-5 1/2" 4'-0 7/8" 5'-5 1/2" 4'-0 7/8" 5'-5 1/2" 4'-0 7/8" 5'-5 1/2" 4'-0 7/8" 5'-5 1/2" 4'-0 7/8" 5'-5 1/2" 5'-3 3/8" 5'-4 3/4" 4'-0 3/4" 5'-5 1/8" 5'-4 3/4" 4'-0 5/8" 5'-4 3/4" 4'-0 5/8" 5'-4 3/4" 5'-4 3/4" 160.972° 2'-8 7/8" 5'-2 5/8" 4'-0 1/2" 5'-3 7/8" 5'-2 5/8" 4'-0 1/2" 5'-3 7/8" 5'-2 5/8" 4'-0 1/2" 5'-3 7/8" 5'-2 5/8" 4'-0 1/2" 5'-3 7/8" 5'-2 5/8" 4'-0 1/2" 5'-3 7/8" 5'-2 5/8" 4'-0 1/2" 5'-3 7/8" 5'-2 5/8" 4'-0 1/2" 5'-3 7/8" 5'-3 3/8" 4'-0 5/8" 5'-3 3/8" 4'-0 5/8" 5'-3 3/8" 4'-0 1/4" 5'-3" 5'-1 3/4" 4'-0 1/4" 5'-3" 5'-1 3/4" 4'-0 1/4" 5'-3" 5'-1 3/4" 4'-0 1/4" 5'-3" 5'-1 3/4" 4'-0 1/4" 5'-3" 5'-1 3/4" 4'-0 1/4" 5'-3" 5'-1 3/4" 4'-0 1/4" 5'-3" 5'-1 3/4" 4'-0 1/4" 5'-3" 5'-1 3/4" 4'-0 1/4" 5'-3" 5'-1 3/4" 4'-0 1/4" 5'-3" 5'-1 3/4" 4'-0 1/4" 5'-3" 5'-1 3/4" 4'-0 1/4" 5'-3" 5'-1 3/4" 4'-0 1/4" 5'-3" 5'-1 3/4" 4'-0 1/4" 5'-3" 5'-1 3/4" 4'-0 1/4" 5'-3 3/4" 4'-0 1/4" 5'-3 3/4" 4'-0 1/4" 5'-3 3/4" 4'-0 1/4" 5'-3 3/4" 4'-0 1/4" 5'-3" 5'-1 3/4" 4'-0 1/4" 5'-3 3 |

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### 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 BREAK 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

e. RAIL HORIZONTAL LOCATIONS

b. RAIL VERT LEG LENGTHS c. RAIL VERT BREAK ANGLES d. ANCHORAGE LOCATIONS

# RAIL VERT TYPE LEGEND

**RAIL VERT TYPE NOTES** 

DURING SHOP ASSEMBLY.

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

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.

"#" SYMBOL REPRESENTS A NUMBER

PO# - 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

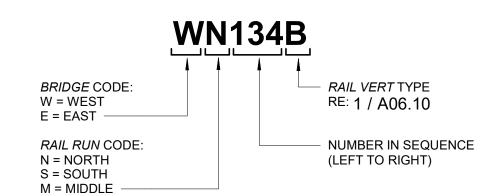
H0#V - RAIL HORIZONTAL VERTICAL DISTANCE TO BASELINE ELEVATION

A0# - ANGLE BETWEEN ADJACENT RAIL VERT SEGMENTS

AN01 - CENTERLINE OF ANCHORAGE

ANV - ANCHORAGE VERTICAL DISTANCE TO BASELINE ELEVATION

### RAIL VERT ID LOGIC



| •    | REV | DATE | DESCRIPTION |
|------|-----|------|-------------|
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PROJECT NUMBER 12720.62

DATE

| 2020.10.13          |
|---------------------|
| IE FOR CONSTRUCTION |
|                     |

| DESIGNED:                     | NJC |
|-------------------------------|-----|
| DRAWN:                        | NJC |
| REVIEWED:                     | CLR |
| SHEET TITLE<br>SCHEDULE - WES | =   |

RAIL VERTS - NORTH RAIL RUN

SHEET NUMBER

A06.11

|   | \ <b>\</b> /⊏  | CT   | DD   | IDC  |  | 80  |   | ч р   | IINI   |  |
|---|--|--|--|--|--|---|---|---|--|--|
| ID  | P01V   | L01  | BR<br>A01  |  | A02  | L03   | LTOT  | ANV   | H03V   | H04V                                   |
| WS1B  | 4'-0 5/8"  | 1'-2 5/8"  | 162.026°   | 3'-2 7/8"  | 7.02   | <u> </u>  | 4'-5 3/8"   | 4'-4 1/8"   | 5'-1 3/4"  | 6'-11 1/4"                             |
| WS2B<br>WS3B<br>WS4B  | 4'-0 3/4"<br>4'-0 7/8"<br>4'-1"  | 1'-3 1/8"<br>1'-3 5/8"<br>1'-4 1/8"  | 161.998°<br>161.969°<br>161.939°   | 3'-2 1/2"<br>3'-2 1/4"<br>3'-1 7/8"  |  |   | 4'-5 5/8"<br>4'-5 7/8"<br>4'-6 1/8"   | 4'-4 1/4"<br>4'-4 3/8"<br>4'-4 3/8"   | 5'-2 1/8"<br>5'-2 1/2"<br>5'-3"  | 6'-11 5/8"<br>7'-0 1/8"<br>7'-0 5/8"   |
| WS5B<br>WS6B  | 4'-1"<br>4'-1 1/8"   | 1'-4 5/8"<br>1'-5 1/4"   | 161.908°<br>161.874°   | 3'-1 5/8"<br>3'-1 3/8"   |  |   | 4'-6 3/8"<br>4'-6 5/8"  | 4'-4 1/2"<br>4'-4 5/8"  | 5'-3 3/8"<br>5'-3 3/4"   | 7'-1"<br>7'-1 1/2"                     |
| WS7B<br>WS8B<br>WS9B  | 4'-1 1/8"<br>4'-1 1/8"<br>4'-1 1/8"  | 1'-5 7/8"<br>1'-6 1/2"<br>1'-7 1/8"  | 161.839°<br>161.803°<br>161.764°   | 3'-1"<br>3'-0 3/4"   |  |   | 4'-6 7/8"<br>4'-7 1/4"<br>4'-7 1/2"   | 4'-4 5/8"<br>4'-4 3/4"<br>4'-4 7/8"   | 5'-4 1/4"<br>5'-4 5/8"<br>5'-5"  | 7'-1 7/8"<br>7'-2 3/8"<br>7'-2 3/4"    |
| VS10B<br>VS11B  | 4-1 1/8"<br>4'-1 1/8"<br>4'-1"   | 1'-7 3/4"<br>1'-8 1/2"   | 161.725°<br>161.683°   | 3'-0 3/8"<br>3'-0 1/8"<br>2'-11 3/4"   |  |   | 4'-7 7/8"<br>4'-8 1/4"  | 4'-4 7/8"<br>4'-4 7/8"<br>4'-5"   | 5'-5 3/8"<br>5'-5 7/8"   | 7'-3 1/4"<br>7'-3 5/8"                 |
| VS12B<br>VS13B  | 4'-0 7/8"<br>4'-0 7/8"   | 1'-9 1/8"<br>1'-9 7/8"   | 161.640°<br>161.594°   | 2'-11 1/2"<br>2'-11 1/8"   |  |   | 4'-8 5/8"<br>4'-9"  | 4'-5 1/8"<br>4'-5 1/4"  | 5'-6 1/4"<br>5'-6 5/8"   | 7'-4 1/8"<br>7'-4 1/2"                 |
| VS14B<br>VS15B  | 4'-0 3/4"<br>4'-0 1/2"   | 1'-10 5/8"<br>1'-11 3/8"   | 161.548°<br>161.498°   | 2'-10 7/8"<br>2'-10 1/2"   |  |   | 4'-9 1/2"<br>4'-10"   | 4'-5 1/4"<br>4'-5 3/8"  | 5'-7"<br>5'-7 3/8"   | 7'-5"<br>7'-5 3/8"                     |
| VS16B<br>VS17B<br>VS18B   | 4'-0 3/8"<br>4'-0 1/4"<br>4'-0"  | 2'-0 1/8"<br>2'-1"<br>2'-1 7/8"  | 161.447°<br>161.394°<br>161.338°   | 2'-10 1/4"<br>2'-9 7/8"<br>2'-9 5/8"   |  |   | 4'-10 3/8"<br>4'-10 7/8"<br>4'-11 3/8"  | 4'-5 1/2"<br>4'-5 1/2"<br>4'-5 5/8"   | 5'-7 3/4"<br>5'-8 1/4"<br>5'-8 5/8"  | 7'-5 3/4"<br>7'-6 1/4"<br>7'-6 5/8"    |
| VS19B<br>VS20B  | 3'-11 3/4"<br>3'-11 1/2"   | 2'-2 5/8"<br>2'-3 1/2"   | 161.281°<br>161.221°   | 2'-9 1/4"  |  |   | 5'-0"   | 4'-5 3/4"<br>4'-5 3/4"  | 5'-9"<br>5'-9 3/8"   | 7'-7 1/8"<br>7'-7 1/2"                 |
| VS21B<br>VS22B  | 3'-11 1/4"<br>3'-11"   | 2'-4 1/2"<br>2'-5 3/8"   | 161.159°<br>161.094°   | 2'-8 5/8"<br>2'-8 3/8"   |  |   | 5'-1 1/8"<br>5'-1 5/8"  | 4'-5 7/8"<br>4'-6"  | 5'-9 3/4"<br>5'-10 1/8"  | 7'-7 7/8"<br>7'-8 3/8"                 |
| VS23B<br>VS24B<br>VS25B   | 3'-10 5/8"<br>3'-10 1/4"<br>3'-9 7/8"  | 2'-6 1/4"<br>2'-7 1/4"<br>2'-8 1/4"  | 161.027°<br>160.957°<br>160.885°   | 2'-8"<br>2'-7 5/8"<br>2'-7 3/8"  |  |   | 5'-2 1/4"<br>5'-2 7/8"<br>5'-3 5/8"   | 4'-6 1/8"<br>4'-6 1/8"<br>4'-6 1/4"   | 5'-10 1/2"<br>5'-10 7/8"<br>5'-11 1/4"   | 7'-8 3/4"<br>7'-9 1/8"<br>7'-9 1/2"    |
| VS25B<br>VS26B<br>VS27B   | 3'-9 1/2"<br>3'-9 1/8"   | 2'-9 1/4"<br>2'-10 1/4"  | 160.885<br>160.810°<br>160.732°  | 2'-7''<br>2'-6'3/4"  |  |   | 5'-4 1/4"<br>5'-5"  | 4'-6 3/8"<br>4'-6 3/8"  | 5-11 1/4<br>5'-11 5/8"<br>6'-0"  | 7'-9 1/2<br>7'-10"<br>7'-10 3/8"       |
| VS28B<br>VS29B  | 3'-8 3/4"<br>3'-8 1/4"   | 2'-11 3/8"<br>3'-0 3/8"  | 160.651°<br>160.567°   | 2'-6 3/8"  |  |   | 5'-5 5/8"<br>5'-6 3/8"  | 4'-6 1/2"<br>4'-6 5/8"  | 6'-0 3/8"<br>6'-0 3/4"   | 7'-10 3/4"<br>7'-11 1/8"               |
| VS30B<br>VS31B<br>VS32B   | 3'-7 3/4"<br>3'-7 3/8"<br>3'-6 3/4"  | 3'-1 1/2"<br>3'-2 5/8"<br>3'-3 3/4"  | 160.479°<br>160.389°<br>160.295°   | 2'-5 3/4"<br>2'-5 3/8"<br>2'-5"  |  |   | 5'-7 1/8"<br>5'-8"<br>5'-8 3/4"   | 4'-6 3/4"<br>4'-6 3/4"<br>4'-6 7/8"   | 6'-1 1/8"<br>6'-1 1/2"<br>6'-1 7/8"  | 7'-11 5/8"<br>8'-0"<br>8'-0 3/8"       |
| VS33B<br>VS34B  | 3'-6 1/4"<br>3'-5 3/4"   | 3'-4 7/8"<br>3'-6"   | 160.197°<br>160.096°   | 2'-4 3/4"<br>2'-4 3/8"   |  |   | 5'-9 5/8"<br>5'-10 3/8"   | 4-07/0<br>4'-7"<br>4'-7"  | 6'-2 1/4"<br>6'-2 5/8"   | 8'-0 3/4"<br>8'-1 1/8"                 |
| VS35B<br>VS36B  | 3'-5 1/8"<br>3'-4 1/2"   | 3'-7 1/4"<br>3'-8 1/2"   | 159.991°<br>159.882°   | 2'-4"  |  |   | 5'-11 1/4"<br>6'-0 1/8"   | 4'-7 1/8"<br>4'-7 1/4"  | 6'-3"<br>6'-3 3/8"   | 8'-1 1/2"<br>8'-2"                     |
| VS37B<br>VS38B  | 3'-3 7/8"<br>3'-3 1/4"   | 3'-9 3/4"<br>3'-11"  | 159.768°<br>159.651°   | 2'-3 3/8"  |  |   | 6'-1 1/8"<br>6'-2"  | 4'-7 1/4"<br>4'-7 3/8"  | 6'-3 3/4"<br>6'-4 1/8"   | 8'-2 3/8"<br>8'-2 3/4"                 |
| VS39B<br>VS40B<br>VS41B   | 3'-2 5/8"<br>3'-1 7/8"<br>3'-1 1/4"  | 4'-0 1/4"<br>4'-1 5/8"<br>4'-2 7/8"  | 159.529°<br>159.402°<br>159.271°   | 2'-2 3/4"<br>2'-2 3/8"<br>2'-2"  |  |   | 6'-3"<br>6'-3 7/8"<br>6'-4 7/8"   | 4'-7 1/2"<br>4'-7 5/8"<br>4'-7 5/8"   | 6'-4 1/2"<br>6'-4 7/8"<br>6'-5 1/8"  | 8'-3 1/8"<br>8'-3 1/2"<br>8'-3 7/8"    |
| VS42B<br>VS43B  | 3'-0 1/2"<br>2'-11 3/4"  | 4'-4 1/4"<br>4'-5 5/8"   | 159.134°<br>158.992°   | 2'-1 5/8"<br>2'-1 3/8"   |  |   | 6'-5 7/8"<br>6'-7"  | 4'-7 3/4"<br>4'-7 7/8"  | 6'-5 1/2"<br>6'-5 7/8"   | 8'-4 1/4"<br>8'-4 5/8"                 |
| VS44B<br>VS45B  | 2'-11"<br>2'-10 1/8"   | 4'-7"<br>4'-8 3/8"   | 158.845°<br>158.691°   | 2'-1"<br>2'-0 5/8"   |  |   | 6'-8"<br>6'-9 1/8"  | 4'-7 7/8"<br>4'-8"  | 6'-6 1/4"<br>6'-6 5/8"   | 8'-5"<br>8'-5 3/8"                     |
| VS46B<br>VS47B<br>VS48B   | 2'-9 3/8"<br>2'-8 1/2"<br>2'-7 5/8"  | 4'-9 7/8"<br>4'-11 3/8"<br>5'-0 7/8"   | 158.532°<br>158.367°<br>158.193°   | 2'-0 1/4"<br>2'-0"<br>1'-11 5/8"   |  |   | 6'-10 1/8"<br>6'-11 1/4"<br>7'-0 3/8"   | 4'-8 1/8"<br>4'-8 1/8"<br>4'-8 1/4"   | 6'-6 7/8"<br>6'-7 1/4"<br>6'-7 5/8"  | 8'-5 3/4"<br>8'-6 1/8"<br>8'-6 1/2"    |
| /S49B<br>/S50B  | 2'-6 3/4"<br>2'-5 7/8"   | 5'-2 3/8"<br>5'-3 7/8"   | 158.015°<br>157.829°   | 1'-11 1/4"<br>1'-10 7/8"   |  |   | 7'-1 5/8"<br>7'-2 3/4"  | 4'-8 3/8"<br>4'-8 3/8"  | 6'-8"<br>6'-8 1/4"   | 8'-6 7/8"<br>8'-7 1/4"                 |
| /S51C<br>/S52C  | 1'-5 1/4"<br>1'-5 1/4"   | 2'-1 5/8"<br>2'-1 7/8"   | 120.807°<br>121.766°   | 5'-3 3/4"<br>5'-3 5/8"   | 157.797°<br>157.776°   | 1'-10 3/4"<br>1'-10 1/2"  | 9'-4 1/8"<br>9'-4 1/8"  | 4'-8 1/2"<br>4'-8 1/2"  | 6'-8 5/8"<br>6'-9"   | 8'-7 1/2"<br>8'-7 7/8"                 |
| /S53C<br>/S54C<br>/S55C   | 1'-5 3/8"<br>1'-5 3/8"<br>1'-5 1/2"  | 2'-2 1/8"<br>2'-2 3/8"<br>2'-2 5/8"  | 122.689°<br>123.579°<br>124.438°   | 5'-3 5/8"<br>5'-3 1/2"<br>5'-3 3/8"  | 157.752°<br>157.731°<br>157.707°   | 1'-10 3/8"<br>1'-10 1/8"<br>1'-10"  | 9'-4"<br>9'-4"<br>9'-4"   | 4'-8 5/8"<br>4'-8 3/4"<br>4'-8 3/4"   | 6'-9 3/8"<br>6'-9 5/8"<br>6'-10"   | 8'-8 1/4"<br>8'-8 5/8"<br>8'-9"        |
| /S56C<br>/S56C<br>/S57C   | 1'-5 1/2"<br>1'-5 1/2"<br>1'-5 5/8"  | 2'-2 5/8"<br>2'-3"<br>2'-3 1/4"  | 125.267°<br>126.066°   | 5'-3 3/8"<br>5'-3 1/4"<br>5'-3 1/8"  | 157.685°<br>157.661°   | 1'-9 7/8"<br>1'-9 5/8"  | 9'-4"<br>9'-4"<br>9'-4"   | 4'-8 7/8"<br>4'-8 7/8"<br>4'-8 7/8"   | 6'-10"<br>6'-10 3/8"<br>6'-10 5/8"   | 8'-9 3/8"<br>8'-9 3/4"                 |
| /S58C<br>/S59C  | 1'-5 5/8"<br>1'-5 3/4"   | 2'-3 1/2"<br>2'-3 3/4"   | 126.836°<br>127.579°   | 5'-3 1/8"<br>5'-3"   | 157.638°<br>157.615°   | 1'-9 1/2"<br>1'-9 1/4"  | 9'-4"<br>9'-4"  | 4'-9"<br>4'-9 1/8"  | 6'-11"<br>6'-11 1/4"   | 8'-10"<br>8'-10 3/8"                   |
| /S60C<br>/S61C<br>/S62C   | 1'-5 3/4"<br>1'-5 7/8"<br>1'-5 7/8"  | 2'-4"<br>2'-4 1/4"<br>2'-4 5/8"  | 128.295°<br>128.987°<br>129.649°   | 5'-2 7/8"<br>5'-2 7/8"<br>5'-2 3/4"  | 157.591°<br>157.567°<br>157.541°   | 1'-9 1/8"<br>1'-8 7/8"<br>1'-8 3/4"   | 9'-4"<br>9'-4 1/8"<br>9'-4 1/8"   | 4'-9 1/8"<br>4'-9 1/4"<br>4'-9 3/8"   | 6'-11 5/8"<br>7'-0"<br>7'-0 1/4"   | 8'-10 3/4"<br>8'-11 1/8"<br>8'-11 3/8" |
| /S63C<br>/S64C  | 1'-6"<br>1'-6"   | 2'-4 7/8"<br>2'-5 1/8"   | 130.291°<br>130.909°   | 5'-2 3/4"<br>5'-2 5/8"   | 157.518°<br>157.493°   | 1'-8 5/8"<br>1'-8 3/8"  | 9'-4 1/8"<br>9'-4 1/4"  | 4'-9 3/8"<br>4'-9 1/2"  | 7'-0 1/4<br>7'-0 5/8"<br>7'-0 7/8"   | 8'-11 3/4"<br>9'-0 1/8"                |
| /S65C<br>/S66C  | 1'-6 1/8"<br>1'-6 1/8"   | 2'-5 3/8"<br>2'-5 5/8"   | 131.504°<br>132.079°   | 5'-2 5/8"<br>5'-2 5/8"   | 157.466°<br>157.442°   | 1'-8 1/4"<br>1'-8 1/8"  | 9'-4 1/4"<br>9'-4 1/4"  | 4'-9 1/2"<br>4'-9 5/8"  | 7'-1 1/4"<br>7'-1 1/2"   | 9'-0 1/2"<br>9'-0 3/4"                 |
| /S67C<br>/S68C<br>/S69C   | 1'-6 1/8"<br>1'-6 1/4"<br>1'-6 1/4"  | 2'-5 7/8"<br>2'-6 1/8"<br>2'-6 3/8"  | 132.632°<br>133.163°<br>133.678°   | 5'-2 1/2"<br>5'-2 1/2"<br>5'-2 1/2"  | 157.416°<br>157.389°<br>157.363°   | 1'-7 7/8"<br>1'-7 3/4"<br>1'-7 5/8"   | 9'-4 3/8"<br>9'-4 3/8"<br>9'-4 1/2"   | 4'-9 3/4"<br>4'-9 3/4"<br>4'-9 7/8"   | 7'-1 7/8"<br>7'-2 1/8"<br>7'-2 1/2"  | 9'-1 1/8"<br>9'-1 1/2"<br>9'-1 3/4"    |
| /S70C<br>/S71C  | 1'-6 3/8"<br>1'-6 3/8"   | 2'-6 5/8"<br>2'-6 7/8"   | 134.172°<br>134.649°   | 5'-2 1/2"<br>5'-2 1/2"   | 157.336°<br>157.310°   | 1'-7 3/8"<br>1'-7 1/4"  | 9'-4 1/2"<br>9'-4 5/8"  | 4'-9 7/8"<br>4'-10"   | 7'-2 1/2<br>7'-2 3/4"<br>7'-3 1/8"   | 9'-2 1/8"<br>9'-2 3/8"                 |
| /S72C<br>/S73C  | 1'-6 1/2"<br>1'-6 1/2"   | 2'-7 1/8"<br>2'-7 3/8"   | 135.106°<br>135.549°   | 5'-2 3/8"<br>5'-2 3/8"   | 157.282°<br>157.255°   | 1'-7 1/8"<br>1'-6 7/8"  | 9'-4 5/8"<br>9'-4 3/4"  | 4'-10"<br>4'-10 1/8"  | 7'-3 3/8"<br>7'-3 3/4"   | 9'-2 3/4"<br>9'-3 1/8"                 |
| /S74C<br>/S75C<br>/S76C   | 1'-6 5/8"<br>1'-6 5/8"<br>1'-6 3/4"  | 2'-7 5/8"<br>2'-7 7/8"<br>2'-8 1/8"  | 135.975°<br>136.382°<br>136.777°   | 5'-2 3/8"<br>5'-2 3/8"<br>5'-2 1/2"  | 157.226°<br>157.199°<br>157.170°   | 1'-6 3/4"<br>1'-6 5/8"<br>1'-6 3/8"   | 9'-4 7/8"<br>9'-4 7/8"<br>9'-5"   | 4'-10 1/8"<br>4'-10 1/4"<br>4'-10 3/8"  | 7'-4"<br>7'-4 3/8"<br>7'-4 5/8"  | 9'-3 3/8"<br>9'-3 3/4"<br>9'-4"        |
| /S77C<br>/S78C  | 1'-6 3/4"<br>1'-6 7/8"   | 2'-8 3/8"<br>2'-8 5/8"   | 137.156°<br>137.521°   | 5'-2 1/2"<br>5'-2 1/2"   | 157.143°<br>157.113°   | 1'-6 1/4"<br>1'-6 1/8"  | 9'-5 1/8"<br>9'-5 1/8"  | 4'-10 3/8"<br>4'-10 1/2"  | 7'-4 7/8"<br>7'-5 1/4"   | 9'-4 3/8"<br>9'-4 5/8"                 |
| /S79C<br>/S80C  | 1'-6 7/8"<br>1'-6 7/8"   | 2'-8 3/4"<br>2'-9"   | 137.872°<br>138.210°   | 5'-2 1/2"<br>5'-2 1/2"   | 157.083°<br>157.053°   | 1'-6"<br>1'-5 3/4"  | 9'-5 1/4"<br>9'-5 3/8"  | 4'-10 1/2"<br>4'-10 5/8"  | 7'-5 1/2"<br>7'-5 7/8"   | 9'-5"<br>9'-5 1/4"                     |
| /S81C<br>/S82C<br>/S83C   | 1'-7"<br>1'-7"<br>1'-7 1/8"  | 2'-9 1/4"<br>2'-9 3/8"<br>2'-9 5/8"  | 138.536°<br>138.846°<br>139.146°   | 5'-2 5/8"<br>5'-2 5/8"<br>5'-2 5/8"  | 157.024°<br>156.994°<br>156.964°   | 1'-5 5/8"<br>1'-5 1/2"<br>1'-5 3/8"   | 9'-5 1/2"<br>9'-5 1/2"<br>9'-5 5/8"   | 4'-10 5/8"<br>4'-10 3/4"<br>4'-10 7/8"  | 7'-6 1/8"<br>7'-6 3/8"<br>7'-6 5/8"  | 9'-5 5/8"<br>9'-5 7/8"<br>9'-6 1/4"    |
| /S84C<br>/S85C  | 1'-7 1/8"<br>1'-7 1/4"   | 2'-9 7/8"<br>2'-10"  | 139.435°<br>139.709°   | 5'-2 3/4"<br>5'-2 3/4"   | 156.933°<br>156.901°   | 1'-5 1/8"<br>1'-5"  | 9'-5 3/4"<br>9'-5 7/8"  | 4'-10 7/8"<br>4'-11"  | 7'-7"<br>7'-7 1/4"   | 9'-6 1/2"<br>9'-6 3/4"                 |
| /S86C<br>/S87C  | 1'-7 1/4"<br>1'-7 3/8"   | 2'-10 1/4"<br>2'-10 3/8"   | 139.974°<br>140.229°   | 5'-2 7/8"<br>5'-3"   | 156.869°<br>156.837°   | 1'-4 7/8"<br>1'-4 3/4"  | 9'-6"<br>9'-6"  | 4'-11"<br>4'-11 1/8"  | 7'-7 1/2"<br>7'-7 7/8"   | 9'-7 1/8"<br>9'-7 3/8"                 |
| /S88C<br>/S89C<br>/S90C   | 1'-7 3/8"<br>1'-7 1/2"<br>1'-7 1/2"  | 2'-10 5/8"<br>2'-10 3/4"<br>2'-10 7/8"   | 140.472°<br>140.704°<br>140.927°   | 5'-3"<br>5'-3 1/8"<br>5'-3 1/4"  | 156.804°<br>156.771°<br>156.738°   | 1'-4 1/2"<br>1'-4 3/8"<br>1'-4 1/4"   | 9'-6 1/8"<br>9'-6 1/4"<br>9'-6 3/8"   | 4'-11 1/8"<br>4'-11 1/4"<br>4'-11 1/4"  | 7'-8 1/8"<br>7'-8 3/8"<br>7'-8 5/8"  | 9'-7 5/8"<br>9'-8"<br>9'-8 1/4"        |
| /S91C<br>/S92C  | 1'-7 5/8"<br>1'-7 5/8"   | 2'-11 1/8"<br>2'-11 1/4"   | 141.141°<br>141.343°   | 5'-3 1/4"<br>5'-3 3/8"   | 156.705°<br>156.671°   | 1'-4 1/8"<br>1'-4"  | 9'-6 1/2"<br>9'-6 5/8"  | 4'-11 3/8"<br>4'-11 1/2"  | 7'-9"<br>7'-9 1/4"   | 9'-8 1/2"<br>9'-8 7/8"                 |
| /S93C<br>/S94C  | 1'-7 3/4"<br>1'-7 3/4"   | 2'-11 3/8"<br>2'-11 1/2"   | 141.536°<br>141.722°   | 5'-3 1/2"<br>5'-3 5/8"   | 156.636°<br>156.602°   | 1'-3 7/8"<br>1'-3 5/8"  | 9'-6 5/8"<br>9'-6 3/4"  | 4'-11 1/2"<br>4'-11 5/8"  | 7'-9 1/2"<br>7'-9 3/4"   | 9'-9 1/8"<br>9'-9 3/8"                 |
| VS95C<br>VS96C<br>VS97C   | 1'-7 3/4"<br>1'-7 7/8"<br>1'-7 7/8"  | 2'-11 5/8"<br>2'-11 3/4"<br>2'-11 7/8"   | 141.896°<br>142.063°<br>142.221°   | 5'-3 3/4"<br>5'-3 7/8"<br>5'-4"  | 156.567°<br>156.533°<br>156.496°   | 1'-3 1/2"<br>1'-3 3/8"<br>1'-3 1/4"   | 9'-6 7/8"<br>9'-7"<br>9'-7 1/8"   | 4'-11 5/8"<br>4'-11 3/4"<br>4'-11 3/4"  | 7'-10"<br>7'-10 1/4"<br>7'-10 5/8"   | 9'-9 3/4"<br>9'-10"<br>9'-10 1/4"      |
| VS98C<br>VS99C  | 1'-8"<br>1'-8"   | 3'-0"<br>3'-0 1/8"   | 142.372°<br>142.512°   | 5'-4 1/8"<br>5'-4 1/4"   | 156.459°<br>156.424°   | 1'-3 1/8"<br>1'-3"  | 9'-7 1/4"<br>9'-7 3/8"  | 4'-11 7/8"<br>4'-11 7/8"  | 7'-10 7/8"<br>7'-11 1/8"   | 9'-10 1/2"<br>9'-10 3/4"               |
| S100C<br>S101C  | 1'-8 1/8"  | 3'-0 1/4"<br>3'-0 3/8"   | 142.645°<br>142.771°   | 5'-4 3/8"<br>5'-4 1/2"   | 156.387°<br>156.349°   | 1'-2 7/8"<br>1'-2 5/8"  | 9'-7 1/2"<br>9'-7 5/8"  | 5'-0"<br>5'-0 1/8"  | 7'-11 3/8"<br>7'-11 5/8"   | 9'-11 1/8"                             |
| S102C<br>S103C<br>S104C   | 1'-8 1/4"<br>1'-8 1/4"<br>1'-8 3/8"  | 3'-0 1/2"<br>3'-0 1/2"<br>3'-0 5/8"  | 142.887°<br>142.996°<br>143.099°   | 5'-4 5/8"<br>5'-4 7/8"<br>5'-5"  | 156.310°<br>156.272°<br>156.234°   | 1'-2 1/2"<br>1'-2 3/8"<br>1'-2 1/4"   | 9'-7 3/4"<br>9'-7 3/4"<br>9'-7 7/8"   | 5'-0 1/8"<br>5'-0 1/4"<br>5'-0 1/4"   | 7'-11 7/8"<br>8'-0 1/8"<br>8'-0 3/8"   | 9'-11 5/8"<br>9'-11 7/8"<br>10'-0 1/8" |
| S105C<br>S106C  | 1'-8 3/8"<br>1'-8 1/2"   | 3'-0 3/4"<br>3'-0 3/4"   | 143.194°<br>143.279°   | 5'-5 1/8"<br>5'-5 3/8"   | 156.195°<br>156.155°   | 1'-2 1/8"<br>1'-2"  | 9'-8"<br>9'-8 1/8"  | 5'-0 3/8"<br>5'-0 3/8"  | 8'-0 5/8"<br>8'-0 7/8"   | 10'-0 3/8"<br>10'-0 5/8"               |
| S107C<br>S108C  | 1'-8 1/2"<br>1'-8 1/2"<br>1'-8 5/8"  | 3'-0 7/8"<br>3'-0 7/8"<br>3'-1"  | 143.359°<br>143.431°<br>143.495°   | 5'-5 1/2"<br>5'-5 3/4"   | 156.116°<br>156.075°<br>156.032°   | 1'-1 7/8"<br>1'-1 3/4"  | 9'-8 1/4"<br>9'-8 3/8"<br>9'-8 1/2"   | 5'-0 1/2"<br>5'-0 5/8"  | 8'-1 1/8"<br>8'-1 3/8"<br>8'-1 5/8"  | 10'-1"<br>10'-1 1/4"<br>10'-1 1/2"     |
| S109C<br>S110C<br>S111C   | 1'-8 5/8"<br>1'-8 5/8"<br>1'-8 3/4"  | 3'-1"<br>3'-1"<br>3'-1 1/8"  | 143.495°<br>143.553°<br>143.605°   | 5'-5 7/8"<br>5'-6 1/8"<br>5'-6 3/8"  | 156.032°<br>155.991°<br>155.950°   | 1'-1 5/8"<br>1'-1 1/2"<br>1'-1 3/8"   | 9'-8 1/2"<br>9'-8 5/8"<br>9'-8 3/4"   | 5'-0 5/8"<br>5'-0 3/4"<br>5'-0 3/4"   | 8'-1 5/8"<br>8'-1 7/8"<br>8'-2 1/8"  | 10'-1 1/2"<br>10'-1 3/4"<br>10'-2"     |
| S112C<br>S113C  | 1'-8 3/4"<br>1'-8 7/8"   | 3'-1 1/8"<br>3'-1 1/8"   | 143.648°<br>143.684°   | 5'-6 1/2"<br>5'-6 3/4"   | 155.907°<br>155.863°   | 1'-1 1/4"<br>1'-1 1/8"  | 9'-8 7/8"<br>9'-9"  | 5'-0 7/8"<br>5'-0 7/8"  | 8'-2 3/8"<br>8'-2 5/8"   | 10'-2 1/4"<br>10'-2 1/2"               |
| S114C<br>S115C  | 1'-8 7/8"<br>1'-9"   | 3'-1 1/8"<br>3'-1 1/4"   | 143.714°<br>143.737°   | 5'-7"<br>5'-7 1/4"   | 155.820°<br>155.776°   | 1'-1"<br>1'-0 7/8"  | 9'-9 1/8"<br>9'-9 1/4"  | 5'-1"<br>5'-1"  | 8'-2 7/8"<br>8'-3 1/8"   | 10'-2 3/4"<br>10'-3"                   |
| S116C<br>S117C<br>S118C   | 1'-9"<br>1'-9 1/8"<br>1'-9 1/8"  | 3'-1 1/4"<br>3'-1 1/4"<br>3'-1 1/4"  | 143.752°<br>143.761°<br>143.764°   | 5'-7 3/8"<br>5'-7 5/8"<br>5'-7 7/8"  | 155.730°<br>155.686°<br>155.640°   | 1'-0 3/4"<br>1'-0 5/8"<br>1'-0 1/2"   | 9'-9 3/8"<br>9'-9 1/2"<br>9'-9 5/8"   | 5'-1 1/8"<br>5'-1 1/4"<br>5'-1 1/4"   | 8'-3 3/8"<br>8'-3 5/8"<br>8'-3 3/4"  | 10'-3 1/4"<br>10'-3 1/2"               |
| S119C<br>S120C  | 1'-9 1/4"<br>1'-9 1/4"   | 3'-1 1/4"<br>3'-1 1/4"   | 143.758°<br>143.746°   | 5'-8 1/8"<br>5'-8 3/8"   | 155.596°<br>155.549°   | 1'-0 3/8"<br>1'-0 1/4"  | 9'-9 3/4"<br>9'-9 7/8"  | 5'-1 3/8"<br>5'-1 3/8"  | 8'-4"<br>8'-4 1/4"   |  |
| S121C<br>S122C  | 1'-9 1/4"<br>1'-9 3/8"   | 3'-1 1/8"<br>3'-1 1/8"   | 143.729°<br>143.702°   | 5'-8 5/8"<br>5'-8 7/8"   | 155.501°<br>155.453°   | 1'-0 1/8"<br>1'-0"  | 9'-10"<br>9'-10"  | 5'-1 1/2"<br>5'-1 1/2"  | 8'-4 1/2"<br>8'-4 3/4"   |  |
| S123C<br>S124C<br>S125C   | 1'-9 3/8"<br>1'-9 1/2"<br>1'-9 1/2"  | 3'-1 1/8"<br>3'-1 1/8"<br>3'-1"  | 143.670°<br>143.631°<br>143.585°   | 5'-9 1/4"<br>5'-9 1/2"<br>5'-9 3/4"  | 155.406°<br>155.356°<br>155.304°   | 0'-11 7/8"<br>0'-11 3/4"<br>0'-11 5/8"  | 9'-10 1/8"<br>9'-10 1/4"<br>9'-10 3/8"  | 5'-1 5/8"<br>5'-1 3/4"<br>5'-1 3/4"   | 8'-5"<br>8'-5 1/8"<br>8'-5 3/8"  |  |
| S126C<br>S127C  |  | 3'-1"<br>3'-1"   | 143.530°<br>143.470°   | 5'-10"<br>5'-10 3/8"   | 155.255°<br>155.204°   | 0'-11 1/2"<br>0'-11 3/8"  | 9'-10 1/2"<br>9'-10 5/8"  | 5'-1 7/8"<br>5'-1 7/8"  | 8'-5 5/8"<br>8'-5 7/8"   |  |
| <u> </u>  | 1'-9 5/8"<br>1'-9 5/8"   |  |  |  | 455 4500   |   |   | EL 4 7/0"   | 8'-6"  |  |
| S129C   | 1'-9 5/8"<br>1'-9 3/4"<br>1'-9 3/4"  | 3'-0 7/8"<br>3'-0 7/8"   | 143.402°<br>143.327°   | 5'-10 5/8"<br>5'-11"<br>5'-11 1/4"   | 155.153°<br>155.101°<br>155.048°   | 0'-11 1/4"<br>0'-11 1/8"<br>0'-11"  | 9'-10 3/4"<br>9'-10 7/8"<br>9'-11"  | 5'-1 7/8"<br>5'-2"  | 8'-6 1/4"  |  |
| S129C<br>S130C<br>S131C   | 1'-9 5/8"<br>1'-9 3/4"   | 3'-0 7/8"  | 143.402°   |  |  |   |   |   |  |  |
| S129C<br>S130C<br>S131C<br>S132C<br>S133C<br>S134C  | 1'-9 5/8"<br>1'-9 3/4"<br>1'-9 3/4"<br>1'-9 7/8"<br>1'-9 7/8"<br>1'-10"<br>1'-10"  | 3'-0 7/8"<br>3'-0 7/8"<br>3'-0 3/4"<br>3'-0 3/4"<br>3'-0 5/8"<br>3'-0 1/2"<br>3'-0 3/8"  | 143.402°<br>143.327°<br>143.245°<br>143.155°<br>143.059°<br>142.953°<br>142.841°   | 5'-11"<br>5'-11 1/4"<br>5'-11 1/2"<br>5'-11 7/8"<br>6'-0 1/4"<br>6'-0 1/2"   | 155.101°<br>155.048°<br>154.997°<br>154.944°<br>154.886°<br>154.834°   | 0'-11 1/8"<br>0'-11"<br>0'-10 7/8"<br>0'-10 3/4"<br>0'-10 5/8"<br>0'-10 5/8"  | 9'-10 7/8"<br>9'-11"<br>9'-11 1/8"<br>9'-11 1/4"<br>9'-11 3/8"<br>9'-11 1/2"  | 5'-2"<br>5'-2"<br>5'-2"<br>5'-2"<br>5'-2 1/8"<br>5'-2 1/8"  | 8'-6 1/4"<br>8'-6 1/2"<br>8'-6 3/4"<br>8'-6 7/8"<br>8'-7 1/8"<br>8'-7 3/8"   |  |
| \$129C<br>\$130C<br>\$131C<br>\$132C<br>\$133C<br>\$134C<br>\$135C<br>\$135C<br>\$136C  | 1'-9 5/8"<br>1'-9 3/4"<br>1'-9 7/8"<br>1'-9 7/8"<br>1'-10"<br>1'-10"<br>1'-10 1/8"<br>1'-10 1/8"   | 3'-0 7/8"<br>3'-0 7/8"<br>3'-0 3/4"<br>3'-0 3/4"<br>3'-0 5/8"<br>3'-0 1/2"<br>3'-0 3/8"<br>3'-0 3/8"   | 143.402°<br>143.327°<br>143.245°<br>143.155°<br>143.059°<br>142.953°<br>142.841°<br>142.722°<br>142.592°   | 5'-11" 5'-11 1/4" 5'-11 1/2" 5'-11 7/8" 6'-0 1/4" 6'-0 7/8" 6'-1 1/4"  | 155.101°<br>155.048°<br>154.997°<br>154.844°<br>154.886°<br>154.834°<br>154.779°<br>154.721°   | 0'-11 1/8"<br>0'-11"<br>0'-10 7/8"<br>0'-10 5/8"<br>0'-10 5/8"<br>0'-10 1/2"<br>0'-10 3/8"  | 9'-10 7/8"<br>9'-11"<br>9'-11 1/8"<br>9'-11 1/4"<br>9'-11 3/8"<br>9'-11 1/2"<br>9'-11 5/8"<br>9'-11 3/4"  | 5'-2"<br>5'-2"<br>5'-2"<br>5'-2"<br>5'-2 1/8"<br>5'-2 1/8"<br>5'-2 1/4"   | 8'-6 1/4"<br>8'-6 1/2"<br>8'-6 3/4"<br>8'-6 7/8"<br>8'-7 1/8"<br>8'-7 3/8"<br>8'-7 1/2"<br>8'-7 3/4"   |  |
| \$129C<br>\$130C<br>\$131C<br>\$132C<br>\$133C<br>\$134C<br>\$135C<br>\$136C<br>\$137C<br>\$138C  | 1'-9 5/8"<br>1'-9 3/4"<br>1'-9 3/4"<br>1'-9 7/8"<br>1'-9 7/8"<br>1'-10"<br>1'-10"<br>1'-10 1/8"  | 3'-0 7/8"<br>3'-0 7/8"<br>3'-0 3/4"<br>3'-0 5/8"<br>3'-0 1/2"<br>3'-0 3/8"<br>3'-0 3/8"<br>3'-0 1/4"<br>3'-0 1/8"<br>3'-0"   | 143.402°<br>143.327°<br>143.245°<br>143.155°<br>143.059°<br>142.953°<br>142.841°<br>142.722°   | 5'-11"<br>5'-11 1/4"<br>5'-11 1/2"<br>5'-11 7/8"<br>6'-0 1/4"<br>6'-0 7/8"<br>6'-1 1/4"<br>6'-1 1/2"<br>6'-1 7/8"<br>6'-2 1/4"   | 155.101°<br>155.048°<br>154.997°<br>154.944°<br>154.886°<br>154.834°<br>154.779°   | 0'-11 1/8"<br>0'-10 7/8"<br>0'-10 3/4"<br>0'-10 5/8"<br>0'-10 5/8"<br>0'-10 1/2"<br>0'-10 3/8"<br>0'-10 1/4"<br>0'-10 1/8"  | 9'-10 7/8"<br>9'-11"<br>9'-11 1/8"<br>9'-11 1/4"<br>9'-11 3/8"<br>9'-11 1/2"<br>9'-11 5/8"  | 5-2"<br>5-2"<br>5-2"<br>5-2"<br>5-2 1/8"<br>5-2 1/8"<br>5-2 1/8"<br>5-2 1/4"<br>5-2 1/4"<br>5-2 1/4"  | 8'-6 1/4"<br>8'-6 1/2"<br>8'-6 3/4"<br>8'-6 7/8"<br>8'-7 1/8"<br>8'-7 3/8"<br>8'-7 1/2"  |  |
| \$129C<br>\$130C<br>\$131C<br>\$132C<br>\$133C<br>\$134C<br>\$135C<br>\$135C<br>\$136C<br>\$137C<br>\$138C<br>\$139C<br>\$140C<br>\$141C  | 1'-9 5/8" 1'-9 3/4" 1'-9 3/4" 1'-9 7/8" 1'-9 7/8" 1'-10" 1'-10 1/8" 1'-10 1/8" 1'-10 1/4" 1'-10 1/4" 1'-10 3/8" 1'-10 3/8" 1'-10 1/2"  | 3'-0 7/8"<br>3'-0 7/8"<br>3'-0 3/4"<br>3'-0 3/4"<br>3'-0 5/8"<br>3'-0 1/2"<br>3'-0 3/8"<br>3'-0 1/4"<br>3'-0 1/8"<br>3'-0 1/17 7/8"<br>2'-11 7/8"  | 143.402°<br>143.327°<br>143.245°<br>143.155°<br>143.059°<br>142.953°<br>142.841°<br>142.722°<br>142.592°<br>142.457°<br>142.312°<br>141.998°<br>141.829°   | 5-11"<br>5'-11 1/4"<br>5'-11 1/2"<br>5'-11 7/8"<br>6'-0 1/4"<br>6'-0 1/2"<br>6'-0 7/8"<br>6'-1 1/4"<br>6'-1 1/2"<br>6'-1 7/8"<br>6'-2 1/4"<br>6'-2 5/8"<br>6'-3"   | 155.101°<br>155.048°<br>154.997°<br>154.944°<br>154.886°<br>154.834°<br>154.779°<br>154.721°<br>154.666°<br>154.547°<br>154.490°<br>154.431°   | 0'-11 1/8" 0'-11" 0'-10 7/8" 0'-10 3/8" 0'-10 5/8" 0'-10 5/8" 0'-10 1/2" 0'-10 1/4" 0'-10 1/8" 0'-10 1/8" 0'-10 1/8" 0'-10 1/8"   | 9'-10 7/8"<br>9'-11"<br>9'-11 1/8"<br>9'-11 1/8"<br>9'-11 1/8"<br>9'-11 5/8"<br>9'-11 5/8"<br>9'-11 7/8"<br>10'-0"<br>10'-0 1/8"<br>10'-0 1/4"<br>10'-0 3/8"  | 5'-2"<br>5'-2"<br>5'-2"<br>5'-2"<br>5'-2 1/8"<br>5'-2 1/8"<br>5'-2 1/4"<br>5'-2 1/4"<br>5'-2 1/4"<br>5'-2 1/4"<br>5'-2 3/8"   | 8'-6 1/4"<br>8'-6 1/2"<br>8'-6 3/4"<br>8'-6 7/8"<br>8'-7 1/8"<br>8'-7 3/8"<br>8'-7 1/2"<br>8'-8 3/8"<br>8'-8 3/8"<br>8'-8 3/8"<br>8'-8 3/8"  |  |
| \$129C<br>\$130C<br>\$131C<br>\$131C<br>\$132C<br>\$133C<br>\$134C<br>\$135C<br>\$136C<br>\$136C<br>\$137C<br>\$138C<br>\$140C<br>\$141C<br>\$142C<br>\$142C<br>\$143C  | 1'-9 5/8" 1'-9 3/4" 1'-9 7/8" 1'-9 7/8" 1'-10" 1'-10 1/8" 1'-10 1/8" 1'-10 1/4" 1'-10 3/8" 1'-10 3/8" 1'-10 1/2" 1'-10 1/2"  | 3'-0 7/8"<br>3'-0 7/8"<br>3'-0 3/4"<br>3'-0 5/8"<br>3'-0 1/2"<br>3'-0 3/8"<br>3'-0 1/4"<br>3'-0 1/8"<br>3'-0"<br>2'-11 5/8"<br>2'-11 5/8"<br>2'-11 1/4"  | 143.402°<br>143.327°<br>143.245°<br>143.155°<br>143.059°<br>142.953°<br>142.841°<br>142.722°<br>142.592°<br>142.312°<br>142.160°<br>141.998°<br>141.829°<br>141.651°<br>141.651°   | 5'-11" 5'-11 1/4" 5'-11 1/2" 5'-11 7/8" 6'-0 1/4" 6'-0 1/2" 6'-0 7/8" 6'-1 1/2" 6'-1 1/2" 6'-1 7/8" 6'-2 1/4" 6'-2 5/8" 6'-3 3/8" 6'-3 3/4"  | 155.101°<br>155.048°<br>154.997°<br>154.944°<br>154.886°<br>154.834°<br>154.779°<br>154.721°<br>154.666°<br>154.547°<br>154.490°<br>154.490°<br>154.310°   | 0'-11 1/8"<br>0'-11"<br>0'-10 7/8"<br>0'-10 3/4"<br>0'-10 5/8"<br>0'-10 5/8"<br>0'-10 1/2"<br>0'-10 1/8"<br>0'-10 1/8"<br>0'-10 1/8"<br>0'-10"<br>0'-9 7/8"<br>0'-9 3/4"  | 9'-10 7/8"<br>9'-11"<br>9'-11 1/8"<br>9'-11 1/8"<br>9'-11 3/8"<br>9'-11 1/2"<br>9'-11 5/8"<br>9'-11 3/4"<br>9'-11 7/8"<br>10'-0"<br>10'-0 1/8"<br>10'-0 1/4"<br>10'-0 3/8"<br>10'-0 1/2"<br>10'-0 3/4"  | 5-2" 5-2" 5-2" 5-2" 5-2 1/8" 5-2 1/8" 5-2 1/8" 5-2 1/4" 5-2 1/4" 5-2 1/4" 5-2 3/8" 5-2 3/8" 5-2 3/8" 5-2 3/8"   | 8'-6 1/4" 8'-6 1/2" 8'-6 3/4" 8'-6 7/8" 8'-7 1/8" 8'-7 1/8" 8'-7 3/8" 8'-7 3/4" 8'-8" 8'-8 1/8" 8'-8 3/8" 8'-8 3/8" 8'-8 3/4" 8'-9 1/8"  |  |
| \$129C<br>\$130C<br>\$131C<br>\$131C<br>\$132C<br>\$133C<br>\$133C<br>\$134C<br>\$135C<br>\$136C<br>\$137C<br>\$138C<br>\$139C<br>\$1410C<br>\$141C<br>\$142C<br>\$144C<br>\$144C<br>\$144C   | 1'-9 5/8" 1'-9 3/4" 1'-9 7/8" 1'-9 7/8" 1'-10" 1'-10 1/8" 1'-10 1/8" 1'-10 1/4" 1'-10 3/8" 1'-10 3/8" 1'-10 1/2"   | 3'-0 7/8" 3'-0 7/8" 3'-0 3/4" 3'-0 3/4" 3'-0 5/8" 3'-0 1/2" 3'-0 3/8" 3'-0 1/4" 3'-0 1/8" 3'-0 1/8" 2'-11 7/8" 2'-11 5/8"  | 143.402°<br>143.327°<br>143.245°<br>143.155°<br>143.059°<br>142.953°<br>142.841°<br>142.722°<br>142.592°<br>142.457°<br>142.312°<br>142.160°<br>141.998°<br>141.829°<br>141.651°   | 5'-11"<br>5'-11 1/4"<br>5'-11 1/2"<br>5'-11 7/8"<br>6'-0 1/4"<br>6'-0 1/2"<br>6'-0 7/8"<br>6'-1 1/4"<br>6'-1 7/8"<br>6'-2 1/4"<br>6'-2 5/6"<br>6'-3"<br>6'-3 3/8"  | 155.101°<br>155.048°<br>154.997°<br>154.944°<br>154.886°<br>154.834°<br>154.779°<br>154.721°<br>154.666°<br>154.547°<br>154.490°<br>154.431°<br>154.369°   | 0'-11 1/8"<br>0'-11"<br>0'-10 7/8"<br>0'-10 3/8"<br>0'-10 5/8"<br>0'-10 5/8"<br>0'-10 1/2"<br>0'-10 1/4"<br>0'-10 1/8"<br>0'-10 1/8"<br>0'-10 7/8"<br>0'-9 7/8"   | 9'-10 7/8"<br>9'-11"<br>9'-11 1/8"<br>9'-11 1/8"<br>9'-11 1/8"<br>9'-11 3/8"<br>9'-11 5/8"<br>9'-11 5/8"<br>9'-11 7/8"<br>10'-0 1/8"<br>10'-0 1/4"<br>10'-0 3/8"<br>10'-0 1/2"  | 5-2" 5-2" 5-2" 5-2" 5-2 1/8" 5-2 1/8" 5-2 1/4" 5-2 1/4" 5-2 1/4" 5-2 3/8" 5-2 3/8"  | 8'-6 1/4" 8'-6 1/2" 8'-6 3/4" 8'-6 7/8" 8'-7 1/8" 8'-7 3/8" 8'-7 3/8" 8'-7 3/4" 8'-8 1/8" 8'-8 3/8" 8'-8 3/8" 8'-8 3/8"  |  |
| S129C<br>  S130C<br>  S131C<br>  S131C<br>  S132C<br>  S133C<br>  S135C<br>  S135C<br>  S135C<br>  S136C<br>  S137C<br>  S138C<br>  S141C<br>  S141C<br>  S142C<br>  S144C<br>  S144C<br>  S145C<br>  S145   | 1'-9 5/8" 1'-9 3/4" 1'-9 7/8" 1'-9 7/8" 1'-10" 1'-10 1/8" 1'-10 1/8" 1'-10 1/4" 1'-10 1/4" 1'-10 1/4" 1'-10 1/2" 1'-10 5/8" 1'-10 3/4" 1'-10 3/4" 1'-10 3/4"   | 3'-0 7/8" 3'-0 3/4" 3'-0 3/4" 3'-0 5/8" 3'-0 1/2" 3'-0 3/8" 3'-0 1/8" 3'-0 1/8" 3'-0 1/8" 2'-11 7/8" 2'-11 1/2" 2'-11 1/8" 2'-11 0 7/8" 2'-10 7/8"   | 143.402°<br>143.327°<br>143.245°<br>143.155°<br>143.059°<br>142.953°<br>142.841°<br>142.722°<br>142.592°<br>142.457°<br>142.312°<br>141.829°<br>141.829°<br>141.829°<br>141.266°<br>141.060°<br>141.060°<br>140.843°<br>140.843°<br>140.843°<br>140.617°<br>140.382°                                     | 5'-11" 5'-11 1/4" 5'-11 1/4" 5'-11 1/2" 6'-0 1/4" 6'-0 1/4" 6'-0 7/8" 6'-1 1/4" 6'-1 1/2" 6'-1 7/8" 6'-2 1/4" 6'-3 3/8" 6'-3 3/4" 6'-4 1/8" 6'-4 1/2" 6'-4 1/6" 6'-5 3/8" 6'-5 3/8"  | 155.101°<br>155.048°<br>154.944°<br>154.886°<br>154.834°<br>154.779°<br>154.721°<br>154.664°<br>154.547°<br>154.490°<br>154.310°<br>154.310°<br>154.245°<br>154.120°<br>154.120°<br>154.120°   | 0'-11 1/8" 0'-10 7/8" 0'-10 3/8" 0'-10 5/8" 0'-10 5/8" 0'-10 1/2" 0'-10 1/4" 0'-10 1/8" 0'-10 1/8" 0'-10 1/8" 0'-9 7/8" 0'-9 7/8" 0'-9 3/8" 0'-9 3/8" 0'-9 3/8" 0'-9 3/8"   | 9'-10 7/8"<br>9'-11"<br>9'-11 1/8"<br>9'-11 1/8"<br>9'-11 1/8"<br>9'-11 3/8"<br>9'-11 5/8"<br>9'-11 5/8"<br>9'-11 7/8"<br>10'-0 1/8"<br>10'-0 1/4"<br>10'-0 3/4"<br>10'-0 7/8"<br>10'-1 1/8"<br>10'-1 1/8"<br>10'-1 1/8"  | 5'-2" 5'-2" 5'-2" 5'-2 1/8" 5'-2 1/8" 5'-2 1/4" 5'-2 1/4" 5'-2 1/4" 5'-2 3/8" 5'-2 3/8" 5'-2 3/8" 5'-2 3/8" 5'-2 1/2" 5'-2 1/2" 5'-2 1/2" 5'-2 1/2" 5'-2 5'-8"  | 8'-6 1/4" 8'-6 1/2" 8'-6 3/4" 8'-6 7/8" 8'-7 1/8" 8'-7 3/8" 8'-7 1/2" 8'-8 3/8" 8'-8 1/8" 8'-8 3/8" 8'-8 3/4" 8'-9 3/4" 8'-9 3/4" 8'-9 7/8"  |  |
| S129C<br>  S130C<br>  S131C<br>  S131C<br>  S131C<br>  S132C<br>  S133C<br>  S134C<br>  S135C<br>  S136C<br>  S137C<br>  S138C<br>  S139C<br>  S141C<br>  S141C<br>  S141C<br>  S142C<br>  S144C<br>  S144C<br>  S144C<br>  S144C<br>  S145C<br>  S145C<br>  S147C<br>  S148C<br>  S149C<br>  S149C<br>  S149C<br>  S149C<br>  S149C<br>  S149C<br>  S149C<br>  S149C<br>  S149C  | 1'-9 5/8" 1'-9 3/4" 1'-9 3/4" 1'-9 7/8" 1'-9 7/8" 1'-10' 1'-10 1/8" 1'-10 1/8" 1'-10 1/4" 1'-10 3/8" 1'-10 3/8" 1'-10 1/2" 1'-10 5/8" 1'-10 3/4" 1'-10 3/4" 1'-10 3/4" 1'-10 3/4" 1'-10 3/4" 1'-10 3/4" 1'-10 3/4" 1'-10 3/4" 1'-10 3/4" 1'-10 3/4" 1'-10 7/8"   | 3'-0 7/8" 3'-0 3/4" 3'-0 3/4" 3'-0 5/8" 3'-0 1/2" 3'-0 3/8" 3'-0 1/4" 3'-0 1/8" 3'-0 1/8" 2'-11 7/8" 2'-11 1/8" 2'-11 1/8" 2'-11 0 5/8" 2'-10 3/8"   | 143.402° 143.327° 143.245° 143.155° 143.059° 142.953° 142.841° 142.722° 142.592° 142.457° 142.312° 141.829° 141.651° 141.462° 141.060° 140.843° 140.843° 140.843° 140.843° 140.843°  | 5'-11" 5'-11 1/4" 5'-11 1/4" 5'-11 1/2" 6'-0 1/4" 6'-0 1/2" 6'-0 7/8" 6'-1 1/2" 6'-1 1/2" 6'-1 1/2" 6'-1 7/8" 6'-2 1/4" 6'-2 5/8" 6'-3 3/8" 6'-3 3/4" 6'-4 1/2" 6'-5 3/8" 6'-5 3/8" 6'-5 3/8" 6'-6 1/8" 6'-6 1/8"  | 155.101°<br>155.048°<br>154.997°<br>154.944°<br>154.886°<br>154.779°<br>154.721°<br>154.666°<br>154.547°<br>154.490°<br>154.310°<br>154.310°<br>154.245°<br>154.120°<br>154.120°<br>154.906°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°   | 0'-11 1/8" 0'-10 7/8" 0'-10 7/8" 0'-10 5/8" 0'-10 5/8" 0'-10 1/2" 0'-10 1/8" 0'-10 1/8" 0'-10 1/8" 0'-10 1/8" 0'-9 7/8" 0'-9 3/8" 0'-9 3/8" 0'-9 1/2" 0'-9 3/8" 0'-9 1/8" 0'-9 1/8" 0'-9 1/8"   | 9'-10 7/8" 9'-11" 9'-11 1/8" 9'-11 1/8" 9'-11 3/8" 9'-11 1/2" 9'-11 5/8" 9'-11 3/4" 9'-11 7/8" 10'-0" 10'-0 1/8" 10'-0 1/4" 10'-0 3/8" 10'-0 1/2" 10'-0 3/4" 10'-1 1/8" 10'-1 1/8" 10'-1 1/8"   | 5-2" 5-2" 5-2" 5-2" 5-2 1/8" 5-2 1/8" 5-2 1/4" 5-2 1/4" 5-2 1/4" 5-2 3/8" 5-2 3/8" 5-2 3/8" 5-2 1/2" 5-2 1/2" 5-2 1/2" 5-2 1/2" 5-2 5/8" 5-2 5/8" 5-2 5/8"  | 8'-6 1/4" 8'-6 1/2" 8'-6 3/4" 8'-6 7/8" 8'-7 1/8" 8'-7 1/8" 8'-7 3/8" 8'-7 1/2" 8'-8 3/8" 8'-8 1/2" 8'-8 3/4" 8'-9 1/2" 8'-9 3/8" 8'-9 1/2" 8'-9 7/8" 8'-10 1/4" 8'-10 1/2"  |  |
| S129C<br>  S130C<br>  S131C<br>  S131C<br>  S132C<br>  S133C<br>  S134C<br>  S135C<br>  S136C<br>  S137C<br>  S138C<br>  S138C<br>  S140C<br>  S141C<br>  S141C<br>  S141C<br>  S141C<br>  S141C<br>  S144C<br>  S145C<br>  S146C<br>  S146C<br>  S146C<br>  S147C<br>  S148C<br>  S149C<br>  S1510C<br>  S1510C<br>  S1510C<br>  S1510C<br>  S1510C  | 1'-9 5/8" 1'-9 3/4" 1'-9 7/8" 1'-9 7/8" 1'-10" 1'-10 1/8" 1'-10 1/8" 1'-10 1/4" 1'-10 1/4" 1'-10 1/2" 1'-10 5/8" 1'-10 5/8" 1'-10 3/4" 1'-10 3/4" 1'-10 3/4" 1'-10 7/8"  | 3'-0 7/8" 3'-0 7/8" 3'-0 3/4" 3'-0 3/4" 3'-0 5/8" 3'-0 1/2" 3'-0 3/8" 3'-0 1/8" 3'-0 1/8" 3'-0 1/8" 2'-11 7/8" 2'-11 1/2" 2'-11 1/8" 2'-11 0 7/8" 2'-10 5/8" 2'-10 3/8"  | 143.402° 143.327° 143.245° 143.155° 143.059° 142.841° 142.722° 142.592° 142.457° 142.160° 141.988° 141.829° 141.651° 141.266° 141.060° 140.843° 140.843° 140.843° 140.382°   | 5'-11" 5'-11 1/4" 5'-11 1/4" 5'-11 1/2" 6'-0 1/4" 6'-0 1/4" 6'-0 7/8" 6'-1 1/4" 6'-1 1/2" 6'-1 7/8" 6'-2 1/4" 6'-2 3/8" 6'-3 3/4" 6'-4 1/8" 6'-4 1/8" 6'-5 3/6" 6'-5 3/6" 6'-5 3/6"  | 155.101°<br>155.048°<br>154.944°<br>154.886°<br>154.834°<br>154.779°<br>154.721°<br>154.664°<br>154.547°<br>154.490°<br>154.310°<br>154.310°<br>154.245°<br>154.120°<br>154.120°<br>154.120°<br>154.906°   | 0'-11 1/8" 0'-10 7/8" 0'-10 7/8" 0'-10 5/8" 0'-10 5/8" 0'-10 5/8" 0'-10 1/2" 0'-10 1/4" 0'-10 1/8" 0'-10 1/8" 0'-9 7/8" 0'-9 3/8" 0'-9 3/8" 0'-9 3/8" 0'-9 3/8" 0'-9 1/4" 0'-9 1/8"   | 9'-10 7/8"<br>9'-11"<br>9'-11 1/8"<br>9'-11 1/8"<br>9'-11 1/8"<br>9'-11 1/2"<br>9'-11 5/8"<br>9'-11 5/8"<br>9'-11 7/8"<br>10'-0 1/4"<br>10'-0 1/4"<br>10'-0 3/8"<br>10'-1 1/2"<br>10'-1 1/8"<br>10'-1 1/8"<br>10'-1 1/8"<br>10'-1 1/4"  | 5'-2" 5'-2" 5'-2" 5'-2 1/8" 5'-2 1/8" 5'-2 1/4" 5'-2 1/4" 5'-2 1/4" 5'-2 3/8" 5'-2 3/8" 5'-2 3/8" 5'-2 3/8" 5'-2 1/2" 5'-2 1/2" 5'-2 1/2" 5'-2 1/2" 5'-2 5/8" 5'-2 5/8"   | 8'-6 1/4" 8'-6 1/2" 8'-6 3/4" 8'-6 7/8" 8'-7 1/8" 8'-7 3/8" 8'-7 3/4" 8'-8" 8'-8 1/8" 8'-8 3/8" 8'-8 1/2" 8'-9 1/8" 8'-9 3/8" 8'-9 1/8" 8'-9 3/4" 8'-9 3/4" 8'-9 3/4" 8'-9 3/4" 8'-9 1/8"  |  |
| S129C   S130C   S131C   S132C   S133C   S134C   S135C   S136C   S136C   S137C   S138C   S141C   S142C   S144C   S144C   S144C   S145C   S155C   S153C   S154C   S154C   S154C   S155C   S154C   S154  | 1'-9 5/8" 1'-9 3/4" 1'-9 3/4" 1'-9 7/8" 1'-9 7/8" 1'-10" 1'-10 1/8" 1'-10 1/8" 1'-10 1/4" 1'-10 3/8" 1'-10 3/8" 1'-10 5/8" 1'-10 5/8" 1'-10 7/8" 1'-10 7/8" 1'-10 7/8" 1'-10 7/8" 1'-11 7/8" 1'-11 1/1" 1'-11"   | 3'-0 7/8" 3'-0 7/8" 3'-0 3/4" 3'-0 3/4" 3'-0 5/8" 3'-0 1/2" 3'-0 3/8" 3'-0 1/4" 3'-0 1/8" 3'-0 1/8" 2'-11 3/4" 2'-11 1/8" 2'-11 1/8" 2'-11 1/8" 2'-10 7/8" 2'-10 3/8" 2'-10 1/8" 2'-10 3/8"  | 143.402° 143.327° 143.245° 143.155° 143.059° 142.953° 142.841° 142.722° 142.457° 142.312° 141.600° 141.998° 141.651° 141.462° 140.617° 140.382° 140.135° 139.877° 139.610° 139.330°  | 5'-11" 5'-11 1/4" 5'-11 1/4" 5'-11 1/78" 6'-0 1/4" 6'-0 1/4" 6'-0 1/8" 6'-1 1/4" 6'-1 1/8" 6'-1 1/8" 6'-3 3/8" 6'-3 3/8" 6'-3 3/8" 6'-4 3/8" 6'-4 1/8" 6'-6 1/6" 6'-6 1/6" 6'-7 3/8"   | 155.101°<br>155.048°<br>154.997°<br>154.944°<br>154.886°<br>154.834°<br>154.779°<br>154.721°<br>154.666°<br>154.547°<br>154.4310°<br>154.310°<br>154.245°<br>154.120°<br>154.056°<br>153.989°<br>153.926°<br>153.926°<br>153.726°  | 0'-11 1/8" 0'-11" 0'-10 7/8" 0'-10 3/8" 0'-10 5/8" 0'-10 5/8" 0'-10 10/2" 0'-10 1/8" 0'-10 1/8" 0'-10 1/8" 0'-9 7/8" 0'-9 3/8" 0'-9 3/8" 0'-9 3/8" 0'-9 1/2" 0'-9 1/8" 0'-9 1/8" 0'-9 1/8" 0'-9 1/8" 0'-9 1/8" 0'-9 1/8" 0'-9 1/8" 0'-9 1/8" 0'-9 1/8" 0'-9 1/8" 0'-9 1/8"  | 9'-10 7/8" 9'-11" 9'-11 1/8" 9'-11 1/8" 9'-11 1/8" 9'-11 3/8" 9'-11 1/2" 9'-11 5/8" 9'-11 7/8" 10'-0 1/8" 10'-0 1/2" 10'-0 3/8" 10'-0 7/8" 10'-1 1/8" 10'-1 1/8" 10'-1 3/8" 10'-1 3/8" 10'-1 3/8" 10'-1 3/8"  | 5'-2" 5'-2" 5'-2" 5'-2" 5'-2" 5'-2 1/8" 5'-2 1/8" 5'-2 1/4" 5'-2 1/4" 5'-2 1/4" 5'-2 3/8" 5'-2 3/8" 5'-2 3/8" 5'-2 3/8" 5'-2 3/8" 5'-2 5/8" 5'-2 5/8" 5'-2 5/8" 5'-2 5/8" 5'-2 3/4"   | 8'-6 1/4" 8'-6 1/2" 8'-6 3/4" 8'-6 7/8" 8'-7 1/8" 8'-7 1/8" 8'-7 3/4" 8'-8 1/8" 8'-8 1/8" 8'-8 3/8" 8'-8 1/8" 8'-9 3/8" 8'-9 1/8" 8'-9 3/8" 8'-9 1/8" 8'-9 1/8" 8'-10 1/4" 8'-10 1/4" 8'-10 1/8"   |  |
| \$129C<br>\$130C<br>\$131C<br>\$131C<br>\$131C<br>\$132C<br>\$133C<br>\$134C<br>\$135C<br>\$136C<br>\$137C<br>\$138C<br>\$140C<br>\$144C<br>\$144C<br>\$144C<br>\$144C<br>\$145C<br>\$145C<br>\$145C<br>\$145C<br>\$151C<br>\$150C<br>\$151C<br>\$151C<br>\$151C<br>\$155C<br>\$155C<br>\$155C<br>\$155C  | 1'-9 5/8" 1'-9 3/4" 1'-9 3/4" 1'-9 3/4" 1'-9 7/8" 1'-10" 1'-10 1/8" 1'-10 1/8" 1'-10 1/8" 1'-10 1/4" 1'-10 3/8" 1'-10 3/8" 1'-10 3/8" 1'-10 5/8" 1'-10 3/4" 1'-10 7/8" 1'-10 7/8" 1'-10 7/8" 1'-11 1/8" 1'-11 1/8" 1'-11 1/8" 1'-11 1/8" 1'-11 1/8" 1'-11 1/8" 1'-11 1/8" 1'-11 1/8" 1'-11 1/8" 1'-11 1/8" 1'-11 1/8"  | 3'-0 7/8" 3'-0 7/8" 3'-0 3/4" 3'-0 3/4" 3'-0 3/8" 3'-0 1/2" 3'-0 3/8" 3'-0 1/4" 3'-0 1/8" 2'-11 5/8" 2'-11 1/4" 2'-11 1/8" 2'-11 1/8" 2'-10 5/8" 2'-10 1/2" 2'-10 1/2" 2'-10 1/2" 2'-9 3/8" 2'-9 3/8"  | 143.402° 143.327° 143.245° 143.155° 143.059° 142.953° 142.841° 142.722° 142.457° 142.312° 142.457° 142.312° 141.651° 141.651° 141.060° 140.843° 140.617° 140.382° 140.135° 139.877° 139.610° 139.330° 139.038° 138.735° 138.420° 137.751°  | 5'-11" 5'-11 1/4" 5'-11 1/4" 5'-11 1/2" 6'-0 1/4" 6'-0 1/2" 6'-0 7/8" 6'-1 1/2" 6'-1 1/2" 6'-1 1/2" 6'-1 1/2" 6'-2 1/4" 6'-2 5/8" 6'-3 3/8" 6'-3 3/8" 6'-4 1/8" 6'-4 1/2" 6'-6 1/6" 6'-6 1/6" 6'-7 7/8" 6'-7 3/8" 6'-7 3/8" 6'-8 1/4" 6'-8 1/4" 6'-9 1/8"  | 155.101°<br>155.048°<br>154.997°<br>154.944°<br>154.886°<br>154.779°<br>154.721°<br>154.666°<br>154.547°<br>154.490°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.310°<br>154.31 | 0'-11 1/8" 0'-10 7/8" 0'-10 7/8" 0'-10 5/8" 0'-10 5/8" 0'-10 1/2" 0'-10 1/8" 0'-10 1/8" 0'-10 1/8" 0'-10 1/8" 0'-10 1/8" 0'-9 7/8" 0'-9 3/8" 0'-9 3/8" 0'-9 1/2" 0'-9 3/8" 0'-9 1/8" 0'-9 3/8" 0'-9 1/8" 0'-9 1/8" 0'-9 1/8" 0'-9 1/8" 0'-9 1/8" 0'-9 1/8" 0'-8 7/8" 0'-8 7/8" 0'-8 7/8" 0'-8 7/8" 0'-8 5/8" 0'-8 1/2" 0'-8 3/8" 0'-8 1/2" 0'-8 3/8"  | 9'-10 7/8" 9'-111'/8" 9'-11 1/8" 9'-11 1/8" 9'-11 3/8" 9'-11 1/2" 9'-11 5/8" 9'-11 3/4" 9'-11 7/8" 10'-0 1/8" 10'-0 1/8" 10'-0 1/8" 10'-1 1/8" 10'-1 1/8" 10'-1 1/8" 10'-1 1/8" 10'-1 1/8" 10'-1 1/8" 10'-1 1/8" 10'-1 1/8" 10'-1 3/8" 10'-1 7/8" 10'-2 1/4" 10'-2 3/8" 10'-2 1/4" 10'-2 3/8"   | 5-2" 5-2" 5-2" 5-2" 5-2" 5-2 1/8" 5-2 1/8" 5-2 1/4" 5-2 1/4" 5-2 1/4" 5-2 3/8" 5-2 3/8" 5-2 3/8" 5-2 3/8" 5-2 3/8" 5-2 3/8" 5-2 3/8" 5-2 3/8" 5-2 5/8" 5-2 5/8" 5-2 5/8" 5-2 5/8" 5-2 5/8" 5-2 3/4"  | 8'-6 1/4" 8'-6 1/2" 8'-6 3/4" 8'-6 7/8" 8'-7 1/8" 8'-7 1/8" 8'-7 3/8" 8'-7 1/2" 8'-8 3/8" 8'-8 1/2" 8'-8 3/4" 8'-9 1/2" 8'-9 3/8" 8'-9 1/2" 8'-9 7/8" 8'-10 1/4" 8'-10 1/2" 8'-10 1/8" 8'-11 1/8" 8'-11 1/8" 8'-11 1/8"  |  |
| S129C   S130C   S131C   S131C   S131C   S131C   S134C   S135C   S136C   S137C   S136C   S141C   S141  | 1'-9 5/8" 1'-9 3/4" 1'-9 7/8" 1'-9 7/8" 1'-10" 1'-10 1/8" 1'-10 1/8" 1'-10 1/4" 1'-10 3/8" 1'-10 3/8" 1'-10 3/8" 1'-10 3/8" 1'-10 3/8" 1'-10 5/8" 1'-10 7/8" 1'-10 7/8" 1'-11 1/2" 1'-11 1/8" 1'-11 1/8" 1'-11 1/8" 1'-11 1/8" 1'-11 1/8" 1'-11 1/8" 1'-11 1/8" 1'-11 1/8" 1'-11 1/8" 1'-11 1/8" 1'-11 1/8" 1'-11 1/8" 1'-11 1/8" 1'-11 1/8" 1'-11 1/8" 1'-11 1/8" 1'-11 1/8" 1'-11 1/8" | 3'-0 7/8" 3'-0 7/8" 3'-0 3/4" 3'-0 3/4" 3'-0 5/8" 3'-0 1/2" 3'-0 3/8" 3'-0 1/4" 3'-0 1/8" 2'-11 7/8" 2'-11 1/8" 2'-11 1/8" 2'-11 1/8" 2'-10 3/8" 2'-10 1/8" 2'-10 1/8" 2'-10 1/8" 2'-9 3/8" 2'-9 1/2" 2'-9 3/8" 2'-8 1/4"  | 143.402° 143.327° 143.245° 143.155° 143.059° 142.953° 142.841° 142.722° 142.457° 142.312° 141.829° 141.829° 141.861° 141.462° 141.866° 140.382° 140.385° 139.877° 139.610° 139.330° 139.338° 138.735° 138.420° 138.090° 137.751° 137.395° 137.027°   | 5-11" 5'-11 1/4" 5'-11 1/4" 5'-11 1/2" 5'-11 7/8" 6'-0 1/4" 6'-0 1/4" 6'-1 1/4" 6'-1 1/78" 6'-1 1/8" 6'-3 3/8" 6'-3 3/8" 6'-3 3/4" 6'-4 1/8" 6'-4 1/8" 6'-5 3/8" 6'-6 1/6" 6'-7 7/8" 6'-7 7/8" 6'-8 3/4" 6'-9 1/8" 6'-9 1/8" 6'-9 1/8" 6'-9 1/8"   | 155.101°<br>155.048°<br>154.949°<br>154.846°<br>154.834°<br>154.779°<br>154.721°<br>154.6664°<br>154.547°<br>154.431°<br>154.340°<br>154.310°<br>154.245°<br>154.184°<br>154.056°<br>153.989°<br>153.926°<br>153.726°<br>153.521°<br>153.521°<br>153.521°<br>153.521°<br>153.521°<br>153.3446°<br>153.346°<br>153.346°   | 0'-11 1/8" 0'-10 7/8" 0'-10 3/8" 0'-10 5/8" 0'-10 5/8" 0'-10 10/2" 0'-10 1/8" 0'-10 11/4" 0'-10 1/8" 0'-10 1/8" 0'-9 7/8" 0'-9 7/8" 0'-9 3/8" 0'-9 3/8" 0'-9 1/2" 0'-9 3/8" 0'-9 1/2" 0'-9 3/8" 0'-9 1/2" 0'-9 3/8" 0'-9 1/2" 0'-8 7/8" 0'-8 7/8" 0'-8 1/4" 0'-8 1/2" 0'-8 3/8" 0'-8 1/4" 0'-8 1/4" 0'-8 1/4" 0'-8 1/4" 0'-8 1/4" 0'-8 1/4"   | 9'-10 7/8" 9'-11 1/8" 9'-11 1/8" 9'-11 1/8" 9'-11 1/8" 9'-11 1/8" 9'-11 5/8" 9'-11 5/8" 9'-11 5/8" 9'-11 7/8" 10'-0 1/8" 10'-0 1/4" 10'-0 3/8" 10'-1 1/2" 10'-1 3/8" 10'-1 1/2" 10'-1 3/8" 10'-1 1/2" 10'-1 5/8" 10'-1 1/2" 10'-1 5/8" 10'-1 1/4" 10'-1 3/8" 10'-1 1/8" 10'-1 1/8" 10'-1 5/8" 10'-2 1/2" 10'-2 5/8" 10'-2 1/4" 10'-2 5/8" 10'-2 5/8" 10'-2 5/8" | 5'-2" 5'-2" 5'-2" 5'-2" 5'-2 1/8" 5'-2 1/8" 5'-2 1/4" 5'-2 1/4" 5'-2 1/4" 5'-2 1/4" 5'-2 1/4" 5'-2 3/8" 5'-2 3/8" 5'-2 1/2" 5'-2 3/4" 5'-2 3/4" 5'-2 7/8" 5'-2 7/8" 5'-3 7/8" 5'-3" | 8'-6 1/4" 8'-6 1/2" 8'-6 3/4" 8'-6 7/8" 8'-7 1/8" 8'-7 3/8" 8'-7 1/2" 8'-7 3/4" 8'-8 1/8" 8'-8 1/8" 8'-8 1/8" 8'-9 1/8" 8'-9 3/8" 8'-9 1/8" 8'-9 1/2" 8'-9 3/8" 8'-10 1/8" 8'-10 1/4" 8'-10 1/8" 8'-11 1/8" 8'-11 1/8" 8'-11 3/8" 8'-11 1/8" 8'-11 1/8"  |  |
| S129C   S130C   S131C   S131C   S131C   S131C   S131C   S131C   S135C   S136C   S136C   S137C   S138C   S139C   S141C   S142C   S141C   S142C   S141C   S142C   S145C   S151C   S151  | 1'-9 5/8" 1'-9 3/4" 1'-9 3/4" 1'-9 7/8" 1'-9 7/8" 1'-10" 1'-10 1/8" 1'-10 1/8" 1'-10 1/4" 1'-10 3/8" 1'-10 3/8" 1'-10 3/8" 1'-10 5/8" 1'-10 3/4" 1'-10 7/8" 1'-10 7/8" 1'-11 1/4" 1'-11 1/4" 1'-11 1/4" 1'-11 1/4" 1'-11 1/4" 1'-11 1/4" 1'-11 1/4" 1'-11 1/4" 1'-11 1/4" 1'-11 1/4" 1'-11 3/8" 1'-11 3/8"   | 3'-0 7/8" 3'-0 7/8" 3'-0 3/4" 3'-0 3/4" 3'-0 3/8" 3'-0 1/2" 3'-0 3/8" 3'-0 1/4" 3'-0 1/8" 2'-11 7/8" 2'-11 1/8" 2'-11 1/8" 2'-11 1/8" 2'-10 5/8" 2'-10 1/2" 2'-10 3/8" 2'-10 3/8" 2'-9 3/4" 2'-9 3/8" 2'-8 3/4" 2'-8 7/8"  | 143.402° 143.327° 143.245° 143.155° 143.059° 142.953° 142.841° 142.722° 142.457° 142.312° 141.600° 141.998° 141.6651° 141.462° 140.382° 140.135° 139.877° 139.610° 139.330° 139.338° 138.735° 138.420° 138.900° 137.751° 137.395°  | 5-11" 5'-11 1/4" 5'-11 1/4" 5'-11 1/78" 6'-0 1/4" 6'-0 1/4" 6'-0 7/8" 6'-1 1/4" 6'-1 1/8" 6'-1 1/8" 6'-2 5/8" 6'-3 3/8" 6'-3 3/8" 6'-4 1/8" 6'-4 1/8" 6'-6 1/8" 6'-6 1/8" 6'-7 3/8" 6'-7 3/8" 6'-8 3/4" 6'-6 1/8" 6'-7 1/8" 6'-9 5/8" 6'-9 5/8"  | 155.101°<br>155.048°<br>154.997°<br>154.944°<br>154.886°<br>154.834°<br>154.779°<br>154.721°<br>154.666°<br>154.547°<br>154.431°<br>154.369°<br>154.310°<br>154.245°<br>154.120°<br>154.056°<br>153.989°<br>153.926°<br>153.794°<br>153.794°<br>153.521°<br>153.521°<br>153.521°<br>153.521°<br>153.521°<br>153.360°   | 0'-11 1/8" 0'-11" 0'-10 7/8" 0'-10 3/8" 0'-10 5/8" 0'-10 5/8" 0'-10 1/2" 0'-10 1/8" 0'-10 1/4" 0'-10 1/8" 0'-9 7/8" 0'-9 7/8" 0'-9 3/8" 0'-9 3/8" 0'-9 1/2" 0'-9 7/8" 0'-9 3/8" 0'-9 1/2" 0'-9 3/8" 0'-9 1/2" 0'-9 3/8" 0'-9 1/2" 0'-9 3/8" 0'-9 1/4" 0'-9 1/8" 0'-9 1/8" 0'-9 1/8" 0'-9 1/8" 0'-9 1/8" 0'-9 1/8" 0'-9 1/8" 0'-8 7/8" 0'-8 3/8" 0'-8 1/2" 0'-8 3/8" 0'-8 1/4"   | 9'-10 7/8" 9'-11" 9'-11 1/8" 9'-11 1/8" 9'-11 1/8" 9'-11 1/8" 9'-11 5/8" 9'-11 3/4" 9'-11 7/8" 10'-0 1/8" 10'-0 1/2" 10'-0 3/8" 10'-1 1/8" 10'-1 1/8" 10'-1 1/8" 10'-1 3/8" 10'-1 3/8" 10'-1 3/8" 10'-1 3/8" 10'-1 3/8" 10'-1 3/4" 10'-2 3/8" 10'-2 3/8"  | 5'-2" 5'-2" 5'-2" 5'-2" 5'-2" 5'-2 1/8" 5'-2 1/8" 5'-2 1/4" 5'-2 1/4" 5'-2 1/4" 5'-2 1/4" 5'-2 3/8" 5'-2 3/8" 5'-2 3/8" 5'-2 3/8" 5'-2 1/2" 5'-2 1/2" 5'-2 1/2" 5'-2 1/2" 5'-2 1/2" 5'-2 5/8" 5'-2 5/8" 5'-2 5/8" 5'-2 5/8" 5'-2 5/8" 5'-2 5/8" 5'-2 5/8" 5'-2 5/8" 5'-2 7/8" 5'-2 7/8" 5'-2 7/8" 5'-2 7/8" 5'-2 7/8" 5'-2 7/8" 5'-2 7/8" 5'-2 7/8"   | 8'-6 1/4" 8'-6 1/2" 8'-6 3/4" 8'-6 7/8" 8'-7 1/8" 8'-7 7/8" 8'-7 3/4" 8'-8 1/8" 8'-8 1/8" 8'-8 3/8" 8'-8 1/2" 8'-9 3/8" 8'-9 1/8" 8'-9 1/8" 8'-9 1/8" 8'-9 1/8" 8'-10 1/4" 8'-10 1/4" 8'-11 1/8" 8'-11 1/8"  |  |
| /S128C<br>/S129C<br>/S129C<br>/S130C<br>/S131C<br>/S131C<br>/S131C<br>/S133C<br>/S133C<br>/S133C<br>/S135C<br>/S135C<br>/S136C<br>/S136C<br>/S136C<br>/S140C<br>/S141C<br>/S144C<br>/S144C<br>/S144C<br>/S145C<br>/S145C<br>/S145C<br>/S155C<br>/S155C<br>/S155C<br>/S155C<br>/S155C<br>/S155C<br>/S155C<br>/S155C<br>/S155C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S156C<br>/S166C<br>/S166C<br>/S166C<br>/S166C<br>/S166C<br>/S166C<br>/S166C<br>/S166C<br>/S166C<br>/S166C<br>/S166C<br>/S166C<br>/S166C<br>/S166C<br>/S166C<br>/S166C<br>/S166C<br>/S166C<br>/S166C<br>/S166C<br>/S166C<br>/S166C<br>/S166C<br>/S166C<br>/S166C<br>/S166C<br>/S166C<br>/S166C<br>/S166C<br>/S166C<br>/S166C<br>/S166C<br>/S166C<br>/S166C<br>/S166C<br>/S166C<br>/S166C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C<br>/S16C | 1'-9 5/8" 1'-9 3/4" 1'-9 3/4" 1'-9 3/4" 1'-9 7/8" 1'-10" 1'-10" 1'-10 1/8" 1'-10 1/8" 1'-10 1/4" 1'-10 3/8" 1'-10 5/8" 1'-10 3/4" 1'-10 5/8" 1'-10 7/8" 1'-10 7/8" 1'-11 7/8" 1'-11 7/8" 1'-11 1/1" 1'-11 1/4" 1'-11 1/4" 1'-11 1/4" 1'-11 1/4" 1'-11 1/4" 1'-11 1/4" 1'-11 1/4" 1'-11 1/4" 1'-11 1/4" 1'-11 1/4" 1'-11 1/4" 1'-11 1/4" 1'-11 1/4" 1'-11 1/8"                            | 3'-0 7/8" 3'-0 7/8" 3'-0 3/4" 3'-0 5/8" 3'-0 1/2" 3'-0 3/8" 3'-0 1/8" 3'-0 1/8" 3'-0 1/8" 3'-0 1/8" 2'-11 7/8" 2'-11 1/8" 2'-11 1/8" 2'-11 1/8" 2'-10 5/8" 2'-10 1/2" 2'-10 1/8" | 143.402° 143.327° 143.245° 143.155° 143.059° 142.953° 142.841° 142.722° 142.592° 142.457° 142.312° 141.829° 141.829° 141.861° 141.988° 141.862° 141.866° 141.960° 140.382° 140.617° 140.382° 140.617° 139.877° 139.610° 139.330° 139.038° 138.735° 138.420° 137.751° 137.395° 137.027° 136.643° 136.643° | 5'-11" 5'-11 1/4" 5'-11 1/4" 5'-11 1/2" 6'-0 1/4" 6'-0 1/4" 6'-0 7/8" 6'-1 1/4" 6'-1 1/2" 6'-1 7/8" 6'-2 1/4" 6'-2 1/4" 6'-3 3/8" 6'-3 3/4" 6'-4 1/8" 6'-4 1/8" 6'-5 3/6" 6'-7 3/8" 6'-7 3/8" 6'-7 3/8" 6'-8 1/4" 6'-9 1/8" 6'-9 1/8" 6'-9 1/8" 6'-9 1/8" 6'-10 1/8" 6'-10 1/8" 6'-10 1/8" 6'-10 1/8" 6'-10 1/8" | 155.101° 155.048° 154.949° 154.848° 154.779° 154.721° 154.664° 154.547° 154.431° 154.349° 154.310° 154.310° 154.245° 154.120° 154.310° 154.310° 154.310° 154.310° 154.310° 154.310° 154.310° 153.860° 153.860° 153.794° 153.766° 153.859° 153.521° 153.446° 153.376° 153.376° 153.376° 153.389° 153.521° 153.446° 153.376°   | 0'-11 1/8" 0'-10 7/8" 0'-10 3/8" 0'-10 5/8" 0'-10 5/8" 0'-10 1/2" 0'-10 1/4" 0'-10 1/8" 0'-10 1/4" 0'-10 1/8" 0'-9 7/8" 0'-9 3/8" 0'-9 3/8" 0'-9 3/8" 0'-9 3/8" 0'-9 3/8" 0'-9 3/8" 0'-9 3/8" 0'-9 3/8" 0'-9 3/8" 0'-9 3/8" 0'-9 1/4" 0'-8 7/8" 0'-8 3/8" 0'-8 1/4" 0'-8 1/2" 0'-8 3/8" 0'-8 1/4" 0'-8 1/4" 0'-8 1/4" 0'-8 1/4" 0'-8 1/4" 0'-8 1/4" 0'-8 1/4" 0'-8 1/4" 0'-8 1/4" 0'-8 1/4" 0'-8 1/4" 0'-8 1/4" 0'-8 1/4" 0'-8 1/8" | 9'-10 7/8" 9'-11" 9'-11 1/8" 9'-11 1/8" 9'-11 1/8" 9'-11 3/8" 9'-11 1/2" 9'-11 5/8" 9'-11 7/8" 10'-0 1/8" 10'-0 1/2" 10'-0 3/4" 10'-1 1/8" 10'-1 1/8" 10'-1 1/8" 10'-1 1/8" 10'-1 1/8" 10'-1 1/8" 10'-1 1/2" 10'-2 3/8" 10'-2 1/2" 10'-2 3/8" 10'-2 1/2" 10'-2 3/8" 10'-2 1/2" 10'-2 3/8" 10'-3 1/4" 10'-3 1/8"   | 5-2" 5-2" 5-2" 5-2" 5-2 1/8" 5-2 1/8" 5-2 1/4" 5-2 1/4" 5-2 1/4" 5-2 1/4" 5-2 1/4" 5-2 1/2" 5-2 3/8" 5-2 3/8" 5-2 1/2" 5-2 1/3" 5-2 3/4" 5-2 3/4" 5-2 3/4" 5-2 3/4" 5-2 7/8" 5-2 7/8" 5-3 1/8" 5-3" 5-3" 5-3"   | 8'-6 1/4" 8'-6 1/2" 8'-6 3/4" 8'-6 7/8" 8'-7 1/8" 8'-7 3/8" 8'-7 3/8" 8'-8 1/8" 8'-8 3/8" 8'-8 1/2" 8'-8 3/4" 8'-9 3/8" 8'-9 1/8" 8'-9 1/8" 8'-9 1/2" 8'-10 1/8" 8'-10 1/8" 8'-10 1/8" 8'-10 1/8" 8'-11 1/8" 8'-11 1/8" 8'-11 1/8" 8'-11 1/8" 8'-11 3/8" 8'-11 3/8" 8'-11 1/8" 8'-11 3/8" 8'-11 3/8" |  |

**WEST BRIDGE - SOUTH RUN** <u>ID | P01V | L01 | A01 | L02 | A02 | L03 | LTOT | ANV | H03V | H04V </u> 148.358° 6'-9 3/4" 146.079° 0'-3 5/6

148.438° 6'-9 3/4" 146.100° 0'-3 5/8" 10'-7 3/8" 5'-4 1/6"

3'-6" 148.431° 6'-9 3/4" 146.138° 0'-3 5/8" 10'-7 3/8" 5'-4 1/8"

3'-6" 148.446° 6'-9 3/4" 146.184° 0'-3 5/8" 10'-7 3/8" 5'-4 1/8"

3'-6" 148.457° 6'-9 3/4" 146.25° 0'-3 5/8" 10'-7 3/8" 5'-4 1/8"

3'-6" 148.457° 6'-9 3/4" 146.225° 0'-3 5/8" 10'-7 3/8" 5'-4 1/8"

3'-6" 148.462° 6'-9 3/4" 146.274° 0'-3 5/8" 10'-7 3/8" 5'-4 1/8"

3'-6" 148.464° 6'-9 3/4" 146.318° 0'-3 5/8" 10'-7 3/8" 5'-4

3'-6" 148.464° 6'-9 3/4" 146.318° 0'-3 5/8" 10'-7 3/8" 5'-4

3'-6" 148.462° 6'-9 3/4" 146.380° 0'-3 5/8" 10'-7 3/8" 7

3'-6" 148.452° 6'-9 3/4" 146.438° 0'-3 5/8" 10'-7 3/8"

3'-6" 148.452° 6'-9 3/4" 146.438° 0'-3 5/8" 10'-7 3/8"

3'-6" 148.452° 6'-9 3/4" 146.438° 0'-3 5/8" 10'-7 3/8"

3'-6" 148.452° 6'-9 3/4" 146.438° 0'-3 5/8" 10'-7 3/8"

3'-6" 148.452° 6'-9 3/4" 146.438° 0'-3 5/8" 10'-7 3/8"

3'-6" 148.452° 6'-9 3/4" 146.492° 0'-3 5/8" 10'-7 1/2"

3'-6" 148.452° 0'-3 5/8" 10'-7 1/2"

3'-6" 148.452° 0'-9 3/4" 146.492° 0'-3 5/8" 10'-7 1/2"

3'-6" 148.452° 0'-9 3/4" 146.492° 0'-3 5/8" 10'-7 1/2"

3'-6" 148.452° 0'-9 3/4" 146.492° 0'-3 5/8" 10'-7 1/2"

3'-6" 148.452° 0'-9 3/4" 146.492° 0'-3 5/8" 10'-7 1/2" 1'-11 3/8" 3'-6" 148.460° 6'-9 3/4" 146.380° 0'-3 5/8" 10'-7 3/8" 5'-4" 11-11 3/8" 3'-6" 148.452° 6'-9 3/4" 146.438° 0'-3 5/8" 10'-7 3/8" 5'-4" 11-11 3/8" 3'-6" 148.438° 6'-9 3/4" 146.492° 0'-3 5/8" 10'-7 1/2" 5'-4" 11-11 3/8" 3'-6" 148.438° 6'-9 3/4" 146.563° 0'-3 5/8" 10'-7 1/2" 5'-4" 11-11 3/8" 3'-6" 148.399° 6'-9 7/8" 146.619° 0'-3 5/8" 10'-7 1/2" 5'-4" 11-11 1/4" 3'-6" 148.399° 6'-9 7/8" 146.619° 0'-3 5/8" 10'-7 1/2" 5'-4" 11-11 1/4" 3'-5 7/8" 148.341° 6'-9 7/8" 146.682° 0'-3 5/8" 10'-7 1/2" 5'-4" 11-11 1/4" 3'-5 7/8" 148.305° 6'-9 7/8" 146.6682° 0'-3 5/8" 10'-7 1/2" 5'-3 7/8" 11-11 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" 11-11 1/4" 3'-5 7/8" 148.264° 6'-10" 146.907° 0'-3 3/4" 10'-7 1/2" 5'-3 7/8" 11-11 1/4" 3'-5 3/4" 148.264° 6'-10" 146.909° 0'-3 3/4" 10'-7 1/2" 5'-3 7/8" 11-11 1/4" 3'-5 3/4" 148.168° 6'-10" 147.076° 0'-3 3/4" 10'-7 1/2" 5'-3 7/8" 11-11 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" 11-11 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" 11-11 1/4" 3'-5 3/8" 147.917° 6'-10 1/4" 147.338° 0'-3 3/4" 10'-7 1/2" 5'-3 3/4" 11-11 1/8" 3'-5 3/8" 147.917° 6'-10 1/4" 147.322° 0'-3 3/4" 10'-7 1/2" 5'-3 3/4" 11-11 1/8" 3'-5 3/8" 147.917° 6'-10 1/4" 147.322° 0'-3 3/4" 10'-7 1/2" 5'-3 3/4" 11-11 1/8" 3'-5 3/8" 147.917° 6'-10 1/4" 147.523° 0'-3 7/8" 10'-7 1/2" 5'-3 3/4" 11-11 1/8" 3'-5 3/8" 147.915° 6'-10 3/8" 147.523° 0'-3 7/8" 10'-7 1/2" 5'-3 3/4" 11-11 1/8" 3'-5 3/8" 147.586° 6'-10 5/8" 147.524° 0'-3 7/8" 10'-7 1/2" 5'-3 3/4" 11-11 1/8" 3'-4 3/8" 147.488° 6'-10 3/8" 147.824° 0'-3 7/8" 10'-7 1/2" 5'-3 3/4" 11-11 1/8" 3'-4 3/8" 147.488° 6'-10 3/8" 148.330° 0'-3 7/8" 10'-7 1/2" 5'-3 3/4" 11-11 1/8" 3'-4 3/8" 147.586° 6'-10 5/8" 148.330° 0'-3 7/8" 10'-7 1/2" 5'-3 3/4" 11-11 1/8" 3'-4 3/8" 147.586° 6'-10 5/8" 148.330° 0'-3 7/8" 10'-7 1/2" 5'-3 3/4" 11-11 1/8" 3'-4 3/8" 147.586° 6'-10 3/4" 148.330° 0'-3 7/8" 10'-7 1/2" 5'-3 5/8" 11-11 1/8" 3'-4 3/8" 147.586° 6'-10 3/4" 148.330° 0'-3 7/8" 10'-7 1/2" 5'-3 5/8" 11-11 1/8" 3 

# WEST BRIDGE - SOUTH RUN

|                            | WE                                    | ST                                  | BR                               | IDG                                 | E -                              | SO                                     | UTI                                    | H R                                    | 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>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                     | 1'-10 1/4"                            | 2'-4 1/8"                           | 128.542°                         | 7'-10 3/8"                          | 153.921°                         | 0'-6 1/2"                              | 10'-9"                                 | 5'-1 5/8"                              | 9'-4 1/8"                              |                                     |
| WS346C                     | 1'-10 1/4"                            | 2'-3 7/8"                           | 127.754°                         | 7'-10 3/4"                          | 154.006°                         | 0'-6 1/2"                              | 10'-9 1/8"                             | 5'-1 5/8"                              | 9'-4"                                  |                                     |
| WS347C                     | 1'-10 1/4"                            | 2'-3 1/2"                           | 126.938°                         | 7'-11 1/8"                          | 154.097°                         | 0'-6 5/8"                              | 10'-9 1/4"                             | 5'-1 1/2"                              | 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                     | 1'-9"                                 | 2'-4 3/4"                           | 130.206°                         | 7'-6 7/8"                           | 155.534°                         | 0'-8 1/8"                              | 10'-7 3/4"                             | 5'-0 3/4"                              | 9'-1 1/4"                              |                                     |
| WS366C                     | 1'-8 7/8"                             | 2'-5 1/8"                           | 130.845°                         | 7'-6 1/4"                           | 155.602°                         | 0'-8 1/8"                              | 10'-7 1/2"                             | 5'-0 5/8"                              | 9'-1 1/8"                              |                                     |
| WS367C                     | 1'-8 7/8"                             | 2'-5 3/8"                           | 131.460°                         | 7'-5 3/4"                           | 155.673°                         | 0'-8 1/4"                              | 10'-7 3/8"                             | 5'-0 5/8"                              | 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<br>WS383C           | 1'-7 3/4"<br>1'-7 3/4"                | 2'-9 1/8"<br>2'-9 3/8"              | 138.400°<br>138.738°             | 6'-10"<br>6'-9 5/8"<br>6'-9 1/8"    | 156.602°<br>156.659°             | 0'-9 3/4"                              | 10'-4 7/8"<br>10'-4 3/4"<br>10'-4 5/8" | 4'-11 1/2"<br>4'-11 3/8"               | 8'-10 3/8"<br>8'-10 1/8"               |                                     |
| WS384C<br>WS385C<br>WS386C | 1'-7 5/8"<br>1'-7 1/2"<br>1'-7 1/2"   | 2'-9 5/8"<br>2'-9 3/4"<br>2'-10"    | 139.062°<br>139.372°<br>139.673° | 6'-8 5/8"<br>6'-8 1/4"              | 156.711°<br>156.765°<br>156.820° | 0'-9 7/8"<br>0'-10"<br>0'-10 1/8"      | 10'-4 5/8<br>10'-4 1/2"<br>10'-4 3/8"  | 4'-11 1/4"<br>4'-11 1/4"<br>4'-11 1/8" | 8'-10"<br>8'-9 3/4"<br>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<br>WS401C           | 1'-6 1/2"<br>1'-6 3/8"                | 3'-0 3/8"<br>3'-0 1/2"              | 142.763°<br>142.915°             | 6'-2 1/2"<br>6'-2 1/8"              | 157.487°<br>157.531°             | 0'-11 3/4"                             | 10'-2 1/2"<br>10'-2 3/8"               | 4'-10 1/8"<br>4'-10"<br>4'-10"         | 8'-6 3/4"<br>8'-6 5/8"                 |                                     |
| WS402C<br>WS403C<br>WS404C | 1'-6 1/4"<br>1'-6 1/4"<br>1'-6 1/8"   | 3'-0 5/8"<br>3'-0 3/4"<br>3'-0 7/8" | 143.059°<br>143.193°<br>143.321° | 6'-1 3/4"<br>6'-1 3/8"<br>6'-1"     | 157.572°<br>157.616°<br>157.655° | 1'-0"<br>1'-0"<br>1'-0 1/8"            | 10'-2 1/4"<br>10'-2 1/8"<br>10'-2"     | 4'-9 7/8"<br>4'-9 3/4"                 | 8'-6 3/8"<br>8'-6 1/8"<br>8'-6"        |                                     |
| WS405C                     | 1'-6 1/8"                             | 3'-0 7/8"                           | 143.441°                         | 6'-0 5/8"                           | 157.695°                         | 1'-0 1/4"                              | 10'-1 7/8"                             | 4'-9 3/4"                              | 8'-5 3/4"                              |                                     |
| WS406C                     | 1'-6"                                 | 3'-1"                               | 143.553°                         | 6'-0 1/4"                           | 157.737°                         | 1'-0 3/8"                              | 10'-1 3/4"                             | 4'-9 5/8"                              | 8'-5 1/2"                              |                                     |
| WS407C                     | 1'-6"                                 | 3'-1 1/8"                           | 143.659°                         | 6'-0"                               | 157.774°                         | 1'-0 1/2"                              | 10'-1 5/8"                             | 4'-9 5/8"                              | 8'-5 1/4"                              |                                     |
| WS408C                     | 1'-5 7/8"                             | 3'-1 1/4"                           | 143.755°                         | 5'-11 5/8"                          | 157.814°                         | 1'-0 5/8"                              | 10'-1 1/2"                             | 4'-9 1/2"                              | 8'-5 1/8"                              |                                     |
| WS409C                     | 1'-5 3/4"                             | 3'-1 1/4"                           | 143.845°                         | 5'-11 3/8"                          | 157.852°                         | 1'-0 3/4"                              | 10'-1 3/8"                             | 4'-9 3/8"                              | 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"                              |                                     |
| 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"                                  | 10'-1 1/8"                          |
| 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                     | 1'-4 1/4"                             | 3'-1 1/2"                           | 144.085°                         | 5'-5 1/2"                           | 158.571°                         | 1'-3 3/4"                              | 9'-10 7/8"                             | 4'-7 3/4"                              | 7'-11 1/2"                             | 9'-10 3/8"                          |
| WS432C                     | 1'-4 1/8"                             | 3'-1 1/2"                           | 144.019°                         | 5'-5 3/8"                           | 158.601°                         | 1'-4"                                  | 9'-10 3/4"                             | 4'-7 3/4"                              | 7'-11 1/4"                             | 9'-10 1/8"                          |
| WS433C                     | 1'-4"                                 | 3'-1 3/8"                           | 143.944°                         | 5'-5 1/8"                           | 158.627°                         | 1'-4 1/8"                              | 9'-10 5/8"                             | 4'-7 5/8"                              | 7'-11"                                 | 9'-9 7/8"                           |
| 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"                           | 158.735°                         | 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"                           |
| WS440C                     | 1'-3 1/2"                             | 3'-0 3/4"                           | 143.221°                         | 5'-4"                               | 158.809°                         | 1'-5 1/8"                              | 9'-9 7/8"                              | 4'-7 1/8"                              | 7'-9 1/8"                              | 9'-7 7/8"                           |
| WS441C                     | 1'-3 1/2"                             | 3'-0 5/8"                           | 143.087°                         | 5'-3 3/4"                           | 158.835°                         | 1'-5 1/4"                              | 9'-9 3/4"                              | 4'-7"                                  | 7'-8 3/4"                              | 9'-7 1/2"                           |
| WS442C                     | 1'-3 3/8"                             | 3'-0 1/2"                           | 142.945°                         | 5'-3 5/8"                           | 158.858°                         | 1'-5 1/2"                              | 9'-9 5/8"                              | 4'-7"                                  | 7'-8 1/2"                              | 9'-7 1/4"                           |
| WS443C                     | 1'-3 3/8"                             | 3'-0 3/8"                           | 142.795°                         | 5'-3 1/2"                           | 158.883°                         | 1'-5 5/8"                              | 9'-9 1/2"                              | 4'-6 7/8"                              | 7'-8 1/4"                              | 9'-7"                               |
| WS444C                     | 1'-3 1/4"                             | 3'-0 1/4"                           | 142.637°                         | 5'-3 3/8"                           | 158.907°                         | 1'-5 3/4"                              | 9'-9 3/8"                              | 4'-6 3/4"                              | 7'-8"                                  | 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<br>WS458C<br>WS459C | 1'-2 1/4"<br>1'-2 1/4"<br>1'-2 1/8"   | 2'-10"<br>2'-9 7/8"<br>2'-9 5/8"    | 139.734°<br>139.437°<br>139.127° | 5'-2 1/8"<br>5'-2 1/8"<br>5'-2"     | 159.190°<br>159.209°<br>159.229° | 1'-7 7/8"<br>1'-8 1/8"<br>1'-8 1/4"    | 9'-8"<br>9'-8"<br>9'-7 7/8"            | 4'-5 7/8"<br>4'-5 3/4"                 | 7'-4 1/8"<br>7'-3 7/8"                 | 9'-2 5/8"<br>9'-2 3/8"<br>9'-2"     |
| WS460C<br>WS461C           | 1'-2 1/8"<br>1'-2 1/8"<br>1'-2"       | 2'-9 3/8"<br>2'-9 1/8"              | 138.807°<br>138.471°             | 5'-2"<br>5'-1 7/8"                  | 159.248°<br>159.268°             | 1'-8 3/8"<br>1'-8 5/8"                 | 9'-7 3/4"<br>9'-7 3/4"                 | 4'-5 5/8"<br>4'-5 5/8"<br>4'-5 1/2"    | 7'-3 5/8"<br>7'-3 1/4"<br>7'-3"        | 9'-1 5/8"<br>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                     | 1'-1 7/8"                             | 2'-8 3/4"                           | 137.762°                         | 5'-1 7/8"                           | 159.305°                         | 1'-8 7/8"                              | 9'-7 1/2"                              | 4'-5 3/8"                              | 7'-2 3/8"                              | 9'-0 3/4"                           |
| WS464C                     | 1'-1 3/4"                             | 2'-8 1/2"                           | 137.388°                         | 5'-1 7/8"                           | 159.324°                         | 1'-9 1/8"                              | 9'-7 3/8"                              | 4'-5 1/4"                              | 7'-2"                                  | 9'-0 3/8"                           |
| WS465C                     | 1'-1 3/4"                             | 2'-8 1/4"                           | 136.996°                         | 5'-1 7/8"                           | 159.342°                         | 1'-9 1/4"                              | 9'-7 3/8"                              | 4'-5 1/4"                              | 7'-1 3/4"                              | 9'-0"                               |
| WS466C                     | 1'-1 5/8"                             | 2'-8"                               | 136.591°                         | 5'-1 3/4"                           | 159.360°                         | 1'-9 1/2"                              | 9'-7 1/4"                              | 4'-5 1/8"                              | 7'-1 3/8"                              | 8'-11 3/4"                          |
| WS467C                     | 1'-1 5/8"                             | 2'-7 3/4"                           | 136.170°                         | 5'-1 3/4"                           | 159.379°                         | 1'-9 5/8"                              | 9'-7 1/4"                              | 4'-5 1/8"                              | 7'-1 1/8"                              | 8'-11 3/8"                          |
| WS468C                     | 1'-1 1/2"                             | 2'-7 1/2"                           | 135.734°                         | 5'-1 3/4"                           | 159.395°                         | 1'-9 3/4"                              | 9'-7 1/8"                              | 4'-5"                                  | 7'-0 3/4"                              | 8'-11"                              |
| WS469C                     | 1'-1 3/8"                             | 2'-7 1/4"                           | 135.281°                         | 5'-1 3/4"                           | 159.412°                         | 1'-10"                                 | 9'-7"                                  | 4'-5"                                  | 7'-0 1/2"                              | 8'-10 3/4"                          |
| WS470C                     | 1'-1 3/8"                             | 2'-7"                               | 134.810°                         | 5'-1 3/4"                           | 159.430°                         | 1'-10 1/8"                             | 9'-7"                                  | 4'-4 7/8"                              | 7'-0 1/8"                              | 8'-10 3/8"                          |
| WS471C                     | 1'-1 1/4"                             | 2'-6 3/4"                           | 134.321°                         | 5'-1 7/8"                           | 159.446°                         | 1'-10 3/8"                             | 9'-6 7/8"                              | 4'-4 3/4"                              | 6'-11 3/4"                             | 8'-10"                              |
| WS472C<br>WS473C<br>WS474C | 1'-1 1/4"<br>1'-1 1/8"<br>1'-1"       | 2'-6 1/2"<br>2'-6 1/4"<br>2'-6"     | 133.813°<br>133.288°<br>132.740° | 5'-1 7/8"<br>5'-1 7/8"<br>5'-1 7/8" | 159.464°<br>159.480°<br>159.497° | 1'-10 1/2"<br>1'-10 3/4"<br>1'-10 7/8" | 9'-6 7/8"<br>9'-6 3/4"<br>9'-6 3/4"    | 4'-4 3/4"<br>4'-4 5/8"<br>4'-4 5/8"    | 6'-11 1/2"<br>6'-11 1/8"<br>6'-10 7/8" | 8'-9 3/8"<br>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"                              | 8'-5 7/8"                           |
| 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"                              | 8'-5 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"                              | 8'-5 1/8"                           |
| WS486C                     | 1'-0 1/8"                             | 2'-2 5/8"                           | 124.342°                         | 5'-2 3/4"                           | 159.678°                         | 2'-1 1/8"                              | 9'-6 1/2"                              | 4'-3 5/8"                              | 6'-6 3/4"                              | 8'-4 3/4"                           |
| WS487C                     | 1'-0 1/8"                             | 2'-2 3/8"                           | 123.462°                         | 5'-2 3/4"                           | 159.693°                         | 2'-1 3/8"                              | 9'-6 1/2"                              | 4'-3 5/8"                              | 6'-6 3/8"                              | 8'-4 3/8"                           |
| WS488C<br>WS489B           | 1'-0"<br>2'-1 1/2"                    | 2'-2 1/8"<br>5'-2 7/8"              | 122.547°<br>159.848°             | 5'-2 7/8"<br>2'-1 7/8"              | 159.738°                         | 2'-1 5/8"                              | 9'-6 1/2"<br>7'-4 3/4"                 | 4'-3 1/2"<br>4'-3 1/2"                 | 6'-6"<br>6'-5 3/4"                     | 8'-4 1/8"<br>8'-3 3/4"              |
| WS490B<br>WS491B<br>WS492B | 2'-1 3/4"<br>2'-2 3/4"<br>2'-3 7/8"   | 5'-2"<br>5'-0 3/8"<br>4'-10 3/4"    | 159.955°<br>160.055°<br>160.154° | 2'-2 1/4"<br>2'-2 1/2"<br>2'-2 7/8" |                                  |  | 7'-4 1/4"<br>7'-2 7/8"<br>7'-1 5/8"    | 4'-3 3/8"<br>4'-3 1/4"<br>4'-3 1/4"    | 6'-5 3/8"<br>6'-5"<br>6'-4 5/8"        | 8'-3 3/8"<br>8'-3"<br>8'-2 5/8"     |
| WS493B<br>WS494B<br>WS495B | 2'-4 7/8"<br>2'-5 7/8"<br>2'-6 3/4"   | 4'-9 1/8"<br>4'-7 1/2"<br>4'-6"     | 160.248°<br>160.339°<br>160.425° | 2'-3 1/8"<br>2'-3 1/2"<br>2'-3 3/4" |                                  |  | 7'-0 1/4"<br>6'-11"<br>6'-9 3/4"       | 4'-3 1/8"<br>4'-3 1/8"<br>4'-3 1/8"    | 6'-4 1/4"<br>6'-3 7/8"<br>6'-3 1/2"    | 8'-2 1/4"<br>8'-1 7/8"<br>8'-1 1/2" |
| WS496B<br>WS497B           | 2'-7 3/4"<br>2'-8 5/8"                | 4'-4 1/2"<br>4'-3"                  | 160.510°<br>160.591°             | 2'-4 1/8"<br>2'-4 3/8"              |                                  |  | 6'-8 1/2"<br>6'-7 3/8"                 | 4'-3 1/8"<br>4'-3 1/8"                 | 6'-3 1/4"<br>6'-2 7/8"                 | 8'-1 1/8"<br>8'-0 3/4"              |
| WS498B<br>WS499B<br>WS500B | 2'-9 1/2"<br>2'-10 3/8"<br>2'-11 1/4" | 4'-1 1/2"<br>4'-0"<br>3'-10 5/8"    | 160.668°<br>160.742°<br>160.815° | 2'-4 3/4"<br>2'-5"<br>2'-5 1/4"     |                                  |  | 6'-6 1/8"<br>6'-5"<br>6'-3 7/8"        | 4'-3 1/8"<br>4'-3 1/8"<br>4'-3 1/8"    | 6'-2 1/2"<br>6'-2 1/8"<br>6'-1 3/4"    | 8'-0 3/8"<br>8'-0"<br>7'-11 5/8"    |

2'-11 1/4" 3'-10 5/8" 160.815° 2'-5 1/4" 3'-0" 3'-9 1/4" 160.884° 2'-5 5/8" 3'-0 3/4" 3'-7 7/8" 160.950° 2'-5 7/8"

# **WEST BRIDGE - SOUTH RUN**

| <u>ID</u> | <u>P01V</u> | <u>L01</u> | <u> A01</u> | <u>L02</u> | <u> </u> | <u>L03</u> | <u>LTOT</u> | <u>ANV</u> | <u>H03V</u> | <u>H04V</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'-10       |
| 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 5/8    |
| 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 1/4    |
| 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 7/8    |
| 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 1/2    |
| WS509B    | 3'-5 3/8"   | 2'-11"     | 161.346°    | 2'-8"      |          |            | 5'-7"       | 4'-3"      | 5'-10 3/8"  | 7'-8 1/8    |
| WS510B    | 3'-6"       | 2'-9 7/8"  | 161.393°    | 2'-8 1/4"  |          |            | 5'-6 1/8"   | 4'-3"      | 5'-10"      | 7'-7 3/4    |
| 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 1/4    |
| 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 7/8    |
| 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 1/2    |
| WS514B    | 3'-8"       | 2'-5 5/8"  | 161.564°    | 2'-9 1/2"  |          |            | 5'-3"       | 4'-3"      | 5'-8 3/8"   | 7'-6 1/8    |
| 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 3/4    |
| 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 1/4    |
| 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 7/8    |
| 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 1/2    |
| NS519B    | 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'-4        |
| WS520B    | 3'-10 1/8"  | 1'-11 7/8" | 161.765°    | 2'-11 1/8" |          |            | 4'-11"      | 4'-3"      | 5'-6"       | 7'-3 5/8    |
| 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 1/4    |
| 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 7/8    |
| 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 3/8    |
| 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'-2        |
| 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 5/8    |
| 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 1/8    |
| 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 3/4    |
| 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 1/4    |
| 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 7/8   |
| 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 1/2   |
| 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'-11       |
| 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 5/8   |
| 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 1/8   |

RAIL REFERENCE

2. RE: RAIL ELEVATIONS FOR:

a. RAIL VERT LAYOUT b. RAIL HORIZONTAL LAYOUT

4. RE: RAIL SCHEDULES FOR:

3. RE: 1 / A06.10 FOR:

c. RAIL VERT BREAK LAYOUT.

b. RAIL VERT LEG LENGTHS

d. ANCHORAGE LOCATIONS

c. RAIL VERT BREAK ANGLES

e. RAIL HORIZONTAL LOCATIONS

1. RE: A01.00 FOR PROJECT TERMINOLOGY.

a. RAIL VERT CONFIGURATION TYPES.

a. RAIL VERT VERTICAL LOCATION RELATIVE

TO EACH RAIL RUN BASELINE ELEVATION

### 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

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

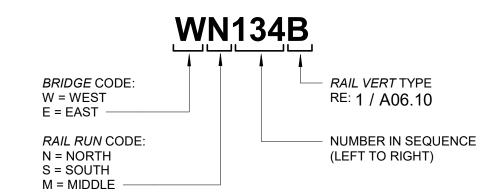
A0# - ANGLE BETWEEN ADJACENT RAIL VERT SEGMENTS

AN01 - CENTERLINE OF ANCHORAGE

ANV - ANCHORAGE VERTICAL DISTANCE TO BASELINE ELEVATION

### RAIL VERT ID LOGIC

6'-2 7/8" 4'-3 1/8" 6'-1 3/8" 7'-11 1/4" 6'-1 3/4" 4'-3 1/8" 6'-1" 7'-10 7/8"





GE PLANS

View High Dr, View High Pkı Lee's Summit, M

REV DATE DESCRIPTION



PROJECT NUMBER 12720.62

> DATE 2020.10.13

ISSUE FOR CONSTRUCTION

NJC

| DRAWN:                        | NJC    |
|-------------------------------|--------|
| REVIEWED:                     | CLR    |
| SHEET TITLE SCHEDULE - WEST E | BRIDGE |

DESIGNED:

RAIL VERTS - SOUTH RAIL RUN

A06.12

SHEET NUMBER

| 1                | WE                       | ST                                    | BR  | <b>IDG</b> | E- | MIE | DDL                                   | E R                                    | RUN                      |
|------------------|--------------------------|---------------------------------------|-----|------------|----|-----|---------------------------------------|--|--------------------------|
| <u>ID</u>        | <u>P01V</u>              | <u>L01</u>                            | A01 | L02        |    | L03 | LTOT                                  | ANV                                    | <u>H03V H</u>            |
| WM1A             | 1'-6 3/8"                | 0'-4 1/8"                             |     |            |    |     | 0'-4 1/8"                             | 1'-11 3/8"                             | 1'-9"                    |
| WM2A<br>WM3A     | 1'-6 1/2"<br>1'-6 1/2"   | 0'-4 5/8"<br>0'-5 1/8"                |     |            |    |     | 0'-4 5/8"<br>0'-5 1/8"                | 1'-11 1/2"<br>1'-11 1/2"               | 1'-9 3/8"<br>1'-9 7/8"   |
| WM4A<br>WM5A     | 1'-6 5/8"<br>1'-6 5/8"   | 0'-5 3/4"<br>0'-6 1/4"                |     |            |    |     | 0'-5 3/4"<br>0'-6 1/4"                | 1'-11 5/8"                             | 1'-10 1/4"<br>1'-10 3/4" |
| WM6A             | 1'-6 3/4"                | 0'-6 3/4"                             |     |            |    |     | 0'-6 3/4"                             | 1'-11 3/4"                             | 1'-11 1/8"               |
| WM7A<br>WM8A     | 1'-6 3/4"<br>1'-6 7/8"   | 0'-7 1/4"<br>0'-7 3/4"                |     |            |    |     | 0'-7 1/4"<br>0'-7 3/4"                | 1'-11 3/4"<br>1'-11 7/8"               | 1'-11 1/2"<br>2'-0"      |
| WM9A<br>WM10A    | 1'-6 7/8"<br>1'-7"       | 0'-8 3/8"<br>0'-8 7/8"                |     |            |    |     | 0'-8 3/8"<br>0'-8 7/8"                | 1'-11 7/8"<br>2'-0"                    | 2'-0 3/8"<br>2'-0 3/4"   |
| WM11A<br>WM12A   | 1'-7"<br>1'-7 1/8"       | 0'-9 3/8"<br>0'-9 7/8"                |     |            |    |     | 0'-9 3/8"<br>0'-9 7/8"                | 2'-0"<br>2'-0 1/8"                     | 2'-1 1/4"<br>2'-1 5/8"   |
| WM13A<br>WM14A   | 1'-7 1/8"<br>1'-7 1/4"   | 0'-10 1/2"                            |     |            |    |     | 0'-10 1/2"<br>0'-11"                  | 2'-0 1/8"<br>2'-0 1/4"                 | 2'-2"<br>2'-2 3/8"       |
| WM15A<br>WM16A   | 1'-7 1/4"                | 0'-11 1/2"                            |     |            |    |     | 0'-11 1/2"                            | 2'-0 1/4"<br>2'-0 3/8"                 | 2'-2 7/8"<br>2'-3 1/4"   |
| WM17A            | 1'-7 3/8"                | 1'-0 1/2"                             |     |            |    |     | 1'-0 1/2"                             | 2'-0 3/8"                              | 2'-3 5/8"                |
| WM18A<br>WM19A   | 1'-7 1/2"<br>1'-7 1/2"   | 1'-1 1/8"<br>1'-1 5/8"                |     |            |    |     | 1'-1 1/8"<br>1'-1 5/8"                | 2'-0 1/2"<br>2'-0 1/2"                 | 2'-4"<br>2'-4 3/8"       |
| WM20A<br>WM21A   | 1'-7 5/8"<br>1'-7 5/8"   | 1'-2 1/8"<br>1'-2 5/8"                |     |            |    |     | 1'-2 1/8"<br>1'-2 5/8"                | 2'-0 5/8"<br>2'-0 5/8"                 | 2'-4 7/8"<br>2'-5 1/4"   |
| WM22A<br>WM23A   | 1'-7 5/8"<br>1'-7 3/4"   | 1'-3 1/4"<br>1'-3 3/4"                |     |            |    |     | 1'-3 1/4"<br>1'-3 3/4"                | 2'-0 5/8"<br>2'-0 3/4"                 | 2'-5 5/8"<br>2'-6"       |
| WM24A<br>WM25A   | 1'-7 3/4"<br>1'-7 7/8"   | 1'-4 1/4"<br>1'-4 3/4"                |     |            |    |     | 1'-4 1/4"<br>1'-4 3/4"                | 2'-0 3/4"<br>2'-0 7/8"                 | 2'-6 3/8"<br>2'-6 3/4"   |
| WM26A<br>WM27A   | 1'-7 7/8"<br>1'-8"       | 1'-5 1/4"<br>1'-5 7/8"                |     |            |    |     | 1'-5 1/4"<br>1'-5 7/8"                | 2'-0 7/8"<br>2'-1"                     | 2'-7 1/8"<br>2'-7 1/2"   |
| WM28A<br>WM29A   | 1'-8"                    | 1'-6 3/8"<br>1'-6 7/8"                |     |            |    |     | 1'-6 3/8"<br>1'-6 7/8"                | 2'-1"                                  | 2'-8"<br>2'-8 3/8"       |
| WM30A            | 1'-8 1/8"                | 1'-7 3/8"                             |     |            |    |     | 1'-7 3/8"                             | 2'-1 1/8"                              | 2'-8 3/4"                |
| WM31A<br>WM32A   | 1'-8 1/4"<br>1'-8 1/4"   | 1'-8"<br>1'-8 1/2"                    |     |            |    |     | 1'-8"                                 | 2'-1 1/4"<br>2'-1 1/4"                 | 2'-9 1/8"<br>2'-9 1/2"   |
| WM33A<br>WM34A   | 1'-8 3/8"<br>1'-8 3/8"   | 1'-9"<br>1'-9 1/2"                    |     |            |    |     | 1'-9"<br>1'-9 1/2"                    | 2'-1 3/8"<br>2'-1 3/8"                 | 2'-9 7/8"<br>2'-10 1/4"  |
| WM35A<br>WM36A   | 1'-8 1/2"<br>1'-8 1/2"   | 1'-10"<br>1'-10 5/8"                  |     |            |    |     | 1'-10"<br>1'-10 5/8"                  | 2'-1 1/2"<br>2'-1 1/2"                 | 2'-10 5/8"<br>2'-11"     |
| WM37A<br>WM38A   | 1'-8 5/8"<br>1'-8 5/8"   | 1'-11 1/8"<br>1'-11 5/8"              |     |            |    |     | 1'-11 1/8"<br>1'-11 5/8"              | 2'-1 5/8"<br>2'-1 5/8"                 | 2'-11 3/8"<br>2'-11 3/4" |
| WM39A<br>WM40A   | 1'-8 3/4"<br>1'-8 3/4"   | 2'-0 1/8"<br>2'-0 3/4"                |     |            |    |     | 2'-0 1/8"<br>2'-0 3/4"                | 2'-1 3/4"<br>2'-1 3/4"                 | 3'-0"<br>3'-0 3/8"       |
| WM41A            | 1'-8 7/8"                | 2'-1 1/4"                             |     |            |    |     | 2'-1 1/4"                             | 2'-1 7/8"                              | 3'-0 3/4"                |
| WM42A<br>WM43A   | 1'-8 7/8"<br>1'-9"       | 2'-1 3/4"<br>2'-2 1/4"                |     |            |    |     | 2'-1 3/4"<br>2'-2 1/4"                | 2'-1 7/8"<br>2'-2"                     | 3'-1 1/8"<br>3'-1 1/2"   |
| WM44A<br>WM45A   | 1'-9"<br>1'-9 1/8"       | 2'-2 3/4"<br>2'-3 3/8"                |     |            |    |     | 2'-2 3/4"<br>2'-3 3/8"                | 2'-2"<br>2'-2 1/8"                     | 3'-1 7/8"<br>3'-2 1/4"   |
| WM46A<br>WM47A   | 1'-9 1/8"<br>1'-9 1/8"   | 2'-3 7/8"<br>2'-4 3/8"                |     |            |    |     | 2'-3 7/8"<br>2'-4 3/8"                | 2'-2 1/8"<br>2'-2 1/8"                 | 3'-2 5/8"<br>3'-2 7/8"   |
| WM48A<br>WM49A   | 1'-9 1/4"<br>1'-9 1/4"   | 2'-4 7/8"<br>2'-5 1/2"                |     |            |    |     | 2'-4 7/8"<br>2'-5 1/2"                | 2'-2 1/4"<br>2'-2 1/4"                 | 3'-3 1/4"<br>3'-3 5/8"   |
| WM50A<br>WM63A   | 1'-9 3/8"<br>1'-10 5/8"  | 2'-6"<br>2'-10 1/2"                   |     |            |    |     | 2'-6"<br>2'-10 1/2"                   | 2'-2 3/8"<br>2'-3 5/8"                 | 3'-4"<br>3'-8 3/8"       |
| WM64A<br>WM65A   | 1'-10 5/8"<br>1'-10 3/4" | 2'-10 7/8"<br>2'-11 1/4"              |     |            |    |     | 2'-10 7/8"<br>2'-11 1/4"              | 2'-3 5/8"<br>2'-3 3/4"                 | 3'-8 5/8"<br>3'-9"       |
| WM66A            | 1'-10 7/8"               | 2'-11 5/8"                            |     |            |    |     | 2'-11 5/8"                            | 2'-3 7/8"                              | 3'-9 1/4"                |
| WM67A<br>WM68A   | 1'-10 7/8"<br>1'-11"     | 2'-11 7/8"<br>3'-0 1/4"               |     |            |    |     | 2'-11 7/8"<br>3'-0 1/4"               | 2'-3 7/8"<br>2'-4"                     | 3'-9 5/8"<br>3'-9 7/8"   |
| WM69A<br>WM70A   | 1'-11"<br>1'-11 1/8"     | 3'-0 5/8"<br>3'-1"                    |     |            |    |     | 3'-0 5/8"<br>3'-1"                    | 2'-4"<br>2'-4 1/8"                     | 3'-10 1/4"<br>3'-10 1/2" |
| WM71A<br>WM72A   | 1'-11 1/8"<br>1'-11 1/4" | 3'-1 1/4"<br>3'-1 5/8"                |     |            |    |     | 3'-1 1/4"<br>3'-1 5/8"                | 2'-4 1/8"<br>2'-4 1/4"                 | 3'-10 7/8"<br>3'-11 1/8" |
| WM73A<br>WM74A   | 1'-11 3/8"<br>1'-11 3/8" | 3'-2"<br>3'-2 1/4"                    |     |            |    |     | 3'-2"<br>3'-2 1/4"                    | 2'-4 3/8"<br>2'-4 3/8"                 | 3'-11 1/2"<br>3'-11 3/4" |
| WM75A<br>WM76A   | 1'-11 1/2"<br>1'-11 1/2" | 3'-2 5/8"<br>3'-3"                    |     |            |    |     | 3'-2 5/8"<br>3'-3"                    | 2'-4 1/2"<br>2'-4 1/2"                 | 4'-0 1/8"<br>4'-0 3/8"   |
| WM77A            | 1'-11 5/8"               | 3'-3 1/4"                             |     |            |    |     | 3'-3 1/4"                             | 2'-4 5/8"                              | 4'-0 3/4"                |
| WM78A<br>WM79A   | 1'-11 5/8"<br>1'-11 3/4" | 3'-3 5/8"<br>3'-4"                    |     |            |    |     | 3'-3 5/8"<br>3'-4"                    | 2'-4 5/8"<br>2'-4 3/4"                 | 4'-1"<br>4'-1 3/8"       |
| WM80A<br>WM81A   | 1'-11 7/8"<br>1'-11 7/8" | 3'-4 1/4"<br>3'-4 5/8"                |     |            |    |     | 3'-4 1/4"<br>3'-4 5/8"                | 2'-4 7/8"<br>2'-4 7/8"                 | 4'-1 5/8"<br>4'-1 7/8"   |
| WM82A<br>WM83A   | 2'-0"<br>2'-0"           | 3'-4 7/8"<br>3'-5 1/4"                |     |            |    |     | 3'-4 7/8"<br>3'-5 1/4"                | 2'-5"<br>2'-5"                         | 4'-2 1/4"<br>4'-2 1/2"   |
| WM84A<br>WM85A   | 2'-0 1/8"<br>2'-0 1/8"   | 3'-5 1/2"<br>3'-5 7/8"                |     |            |    |     | 3'-5 1/2"<br>3'-5 7/8"                | 2'-5 1/8"<br>2'-5 1/8"                 | 4'-2 3/4"<br>4'-3 1/8"   |
| WM86A<br>WM87A   | 2'-0 1/4"<br>2'-0 1/4"   | 3'-6 1/8"<br>3'-6 1/2"                |     |            |    |     | 3'-6 1/8"<br>3'-6 1/2"                | 2'-5 1/4"<br>2'-5 1/4"                 | 4'-3 3/8"<br>4'-3 5/8"   |
| WM88A<br>WM89A   | 2'-0 3/8"<br>2'-0 1/2"   | 3'-6 3/4"<br>3'-7 1/8"                |     |            |    |     | 3'-6 3/4"<br>3'-7 1/8"                | 2'-5 3/8"<br>2'-5 1/2"                 | 4'-3 7/8"<br>4'-4 1/4"   |
| WM90A<br>WM91A   | 2'-0 1/2"<br>2'-0 5/8"   | 3'-7 3/8"<br>3'-7 3/4"                |     |            |    |     | 3'-7 3/8"<br>3'-7 3/4"                | 2'-5 1/2"<br>2'-5 5/8"                 | 4'-4 1/2"<br>4'-4 3/4"   |
| WM92A            | 2'-0 5/8"                | 3'-8"                                 |     |            |    |     | 3'-8"                                 | 2'-5 5/8"                              | 4'-5"                    |
| WM93A<br>WM94A   | 2'-0 3/4"<br>2'-0 3/4"   | 3'-8 1/4"<br>3'-8 5/8"                |     |            |    |     | 3'-8 1/4"<br>3'-8 5/8"                | 2'-5 3/4"<br>2'-5 3/4"                 | 4'-5 3/8"<br>4'-5 5/8"   |
| WM95A<br>WM96A   | 2'-0 7/8"<br>2'-1"       | 3'-8 7/8"<br>3'-9 1/8"                |     |            |    |     | 3'-8 7/8"<br>3'-9 1/8"                | 2'-5 7/8"<br>2'-6"                     | 4'-5 7/8"<br>4'-6 1/8"   |
| WM97A<br>WM98A   | 2'-1"<br>2'-1 1/8"       | 3'-9 1/2"<br>3'-9 3/4"                |     |            |    |     | 3'-9 1/2"<br>3'-9 3/4"                | 2'-6"<br>2'-6 1/8"                     | 4'-6 3/8"<br>4'-6 5/8"   |
| WM99A<br>WM100A  | 2'-1 1/8"<br>2'-1 1/4"   | 3'-10"<br>3'-10 1/4"                  |     |            |    |     | 3'-10"<br>3'-10 1/4"                  | 2'-6 1/8"<br>2'-6 1/4"                 | 4'-7"<br>4'-7 1/4"       |
| WM101A<br>WM102A | 2'-1 1/4"<br>2'-1 3/8"   | 3'-10 5/8"<br>3'-10 7/8"              |     |            |    |     | 3'-10 5/8"<br>3'-10 7/8"              | 2'-6 1/4"<br>2'-6 3/8"                 | 4'-7 1/2"<br>4'-7 3/4"   |
| WM103A<br>WM104A | 2'-1 3/8"<br>2'-1 1/2"   | 3'-11 1/8"<br>3'-11 3/8"              |     |            |    |     | 3'-11 1/8"<br>3'-11 3/8"              | 2'-6 3/8"<br>2'-6 1/2"                 | 4'-8"<br>4'-8 1/4"       |
| WM105A<br>WM106A | 2'-1 5/8"<br>2'-1 5/8"   | 3'-11 5/8"<br>4'-0"                   |     |            |    |     | 3'-11 5/8"<br>4'-0"                   | 2'-6 5/8"<br>2'-6 5/8"                 | 4'-8 1/2"<br>4'-8 3/4"   |
| WM107A           | 2'-1 3/4"                | 4'-0 1/4"                             |     |            |    |     | 4'-0 1/4"                             | 2'-6 3/4"                              | 4'-9"                    |
| WM108A<br>WM109A | 2'-1 3/4"<br>2'-1 7/8"   | 4'-0 1/2"<br>4'-0 3/4"                |     |            |    |     | 4'-0 1/2"<br>4'-0 3/4"                | 2'-6 3/4"<br>2'-6 7/8"                 | 4'-9 1/4"<br>4'-9 1/2"   |
| WM110A<br>WM111A | 2'-1 7/8"<br>2'-2"       | 4'-1"<br>4'-1 1/4"                    |     |            |    |     | 4'-1"<br>4'-1 1/4"                    | 2'-6 7/8"<br>2'-7"                     | 4'-9 3/4"<br>4'-10"      |
| WM112A<br>WM113A | 2'-2"<br>2'-2 1/8"       | 4'-1 1/2"<br>4'-1 3/4"                |     |            |    |     | 4'-1 1/2"<br>4'-1 3/4"                | 2'-7"<br>2'-7 1/8"                     | 4'-10 1/4"<br>4'-10 1/2" |
| WM114A<br>WM115A | 2'-2 1/4"<br>2'-2 1/4"   | 4'-2"<br>4'-2 1/4"                    |     |            |    |     | 4'-2"<br>4'-2 1/4"                    | 2'-7 1/4"<br>2'-7 1/4"                 | 4'-10 3/4"<br>4'-11"     |
| WM116A<br>WM117A | 2'-2 3/8"                | 4'-2 1/2"<br>4'-2 3/4"                |     |            |    |     | 4'-2 1/2"<br>4'-2 3/4"                | 2'-7 3/8"<br>2'-7 3/8"                 | 4'-11 1/4"<br>4'-11 1/2" |
| WM118A           | 2'-2 3/8"                | 4'-3"                                 |     |            |    |     | 4'-3"                                 | 2'-7 3/8"                              | 4'-11 3/4"               |
| WM119A<br>WM120A | 2'-2 1/2"<br>2'-2 1/2"   | 4'-3 1/4"<br>4'-3 5/8"                |     |            |    |     | 4'-3 1/4"<br>4'-3 5/8"                | 2'-7 1/2"<br>2'-7 1/2"                 | 4'-11 7/8"<br>5'-0 1/8"  |
| WM121A<br>WM122A | 2'-2 5/8"<br>2'-2 5/8"   | 4'-3 7/8"<br>4'-4 1/8"                |     |            |    |     | 4'-3 7/8"<br>4'-4 1/8"                | 2'-7 5/8"<br>2'-7 5/8"                 | 5'-0 3/8"<br>5'-0 5/8"   |
| WM123A<br>WM124A | 2'-2 5/8"<br>2'-2 3/4"   | 4'-4 3/8"<br>4'-4 5/8"                |     |            |    |     | 4'-4 3/8"<br>4'-4 5/8"                | 2'-7 5/8"<br>2'-7 3/4"                 | 5'-0 7/8"<br>5'-1 1/8"   |
| WM125A<br>WM126A | 2'-2 3/4"<br>2'-2 7/8"   | 4'-4 7/8"<br>4'-5 1/8"                |     |            |    |     | 4'-4 7/8"<br>4'-5 1/8"                | 2'-7 3/4"<br>2'-7 7/8"                 | 5'-1 1/4"<br>5'-1 1/2"   |
| WM127A<br>WM128A | 2'-2 7/8"<br>2'-2 7/8"   | 4'-5 3/8"<br>4'-5 5/8"                |     |            |    |     | 4'-5 3/8"<br>4'-5 5/8"                | 2'-7 7/8"<br>2'-7 7/8"                 | 5'-1 3/4"<br>5'-2"       |
| WM129A<br>WM130A | 2'-3"<br>2'-3"           | 4'-5 3/4"<br>4'-6"                    |     |            |    |     | 4'-5 3/4"<br>4'-6"                    | 2'-8"                                  | 5'-2 1/8"<br>5'-2 3/8"   |
| WM131A<br>WM132A | 2'-3 1/8"<br>2'-3 1/8"   | 4'-6 1/4"<br>4'-6 1/2"                |     |            |    |     | 4'-6 1/4"<br>4'-6 1/2"                | 2'-8 1/8"<br>2'-8 1/8"                 | 5'-2 5/8"<br>5'-2 3/4"   |
| WM133A<br>WM134A | 2'-3 1/8"<br>2'-3 1/4"   | 4-6 1/2"<br>4'-6 3/4"<br>4'-7"        |     |            |    |     | 4-6 3/4"<br>4'-6 3/4"<br>4'-7"        | 2'-8 1/8"<br>2'-8 1/4"                 | 5'-3"<br>5'-3 1/4"       |
| WM135A           | 2'-3 1/4"                | 4'-7 1/4"                             |     |            |    |     | 4'-7 1/4"                             | 2'-8 1/4"                              | 5'-3 3/8"                |
| WM136A<br>WM137A | 2'-3 1/4"<br>2'-3 3/8"   | 4'-7 3/8"<br>4'-7 5/8"                |     |            |    |     | 4'-7 3/8"<br>4'-7 5/8"                | 2'-8 1/4"<br>2'-8 3/8"                 | 5'-3 5/8"<br>5'-3 7/8"   |
| WM138A<br>WM139A | 2'-3 3/8"                | 4'-7 7/8"<br>4'-8 1/8"                |     |            |    |     | 4'-7 7/8"<br>4'-8 1/8"                | 2'-8 3/8"<br>2'-8 1/2"                 | 5'-4"<br>5'-4 1/4"       |
| WM140A<br>WM141A | 2'-3 1/2"<br>2'-3 1/2"   | 4'-8 3/8"<br>4'-8 1/2"                |     |            |    |     | 4'-8 3/8"<br>4'-8 1/2"                | 2'-8 1/2"<br>2'-8 1/2"                 | 5'-4 1/2"<br>5'-4 5/8"   |
| WM142A<br>WM143A | 2'-3 5/8"<br>2'-3 5/8"   | 4'-8 3/4"<br>4'-9"                    |     |            |    |     | 4'-8 3/4"<br>4'-9"                    | 2'-8 5/8"<br>2'-8 5/8"                 | 5'-4 7/8"<br>5'-5"       |
| WM144A<br>WM145A | 2'-3 3/4"<br>2'-3 3/4"   | 4'-9 1/8"<br>4'-9 3/8"                |     |            |    |     | 4'-9 1/8"<br>4'-9 3/8"                | 2'-8 3/4"<br>2'-8 3/4"                 | 5'-5 1/4"<br>5'-5 3/8"   |
| WM146A<br>WM147A | 2'-3 3/4"<br>2'-3 7/8"   | 4'-9 5/8"<br>4'-9 3/4"                |     |            |    |     | 4'-9 5/8"<br>4'-9 3/4"                | 2'-8 3/4"<br>2'-8 7/8"                 | 5'-5 5/8"<br>5'-5 3/4"   |
| WM148A<br>WM149A | 2'-3 7/8"                | 4'-10"<br>4'-10 1/8"                  |     |            |    |     | 4'-10"<br>4'-10 1/8"                  | 2'-8 7/8"                              | 5'-6"<br>5'-6 1/8"       |
| WM150A<br>WM151A | 2'-4"<br>2'-4"<br>2'-4"  | 4'-10 1/8<br>4'-10 3/8"<br>4'-10 5/8" |     |            |    |     | 4'-10 1/8<br>4'-10 3/8"<br>4'-10 5/8" | 2'-9"                                  | 5'-6 3/8"<br>5'-6 1/2"   |
| WM152A           | 2'-4 1/8"                | 4'-10 3/4"                            |     |            |    |     | 4'-10 3/4"                            | 2'-9"<br>2'-9 1/8"                     | 5'-6 3/4"                |
| WM153A<br>WM154A | 2'-4 1/8"<br>2'-4 1/8"   | 4'-11"<br>4'-11 1/8"                  |     |            |    |     | 4'-11"<br>4'-11 1/8"                  | 2'-9 1/8"<br>2'-9 1/8"                 | 5'-6 7/8"<br>5'-7"       |
| WM155A<br>WM156A | 2'-4 1/4"<br>2'-4 1/4"   | 4'-11 3/8"<br>4'-11 1/2"              |     |            |    |     | 4'-11 3/8"<br>4'-11 1/2"              | 2'-9 1/4"<br>2'-9 1/4"                 | 5'-7 1/4"<br>5'-7 3/8"   |
| WM157A<br>WM158A | 2'-4 3/8"<br>2'-4 3/8"   | 4'-11 5/8"<br>4'-11 7/8"              |     |            |    |     | 4'-11 5/8"<br>4'-11 7/8"              | 2'-9 3/8"<br>2'-9 3/8"                 | 5'-7 1/2"<br>5'-7 3/4"   |
| WM159A<br>WM160A | 2'-4 3/8"<br>2'-4 1/2"   | 5'-0"<br>5'-0 1/4"                    |     |            |    |     | 5'-0"<br>5'-0 1/4"                    | 2'-9 3/8"<br>2'-9 1/2"                 | 5'-7 7/8"<br>5'-8"       |
| WM161A           | 2'-4 1/2"                | 5'-0 3/8"                             |     |            |    |     | 5'-0 3/8"                             | 2'-9 1/2"                              | 5'-8 1/4"                |
| WM162A<br>WM163A | 2'-4 5/8"<br>2'-4 5/8"   | 5'-0 1/2"<br>5'-0 3/4"                |     |            |    |     | 5'-0 1/2"<br>5'-0 3/4"                | 2'-9 5/8"<br>2'-9 5/8"                 | 5'-8 3/8"<br>5'-8 1/2"   |
| WM164A<br>WM165A | 2'-4 5/8" 2'-4 3/4"      | 5'-0 7/8"<br>5'-1"                    |     |            |    |     | 5'-0 7/8"<br>5'-1"                    | 2'-9 5/8"<br>2'-9 3/4"                 | 5'-8 3/4"<br>5'-8 7/8"   |
| WM166A<br>WM167A | 2'-4 3/4"                | 5'-1 1/4"<br>5'-1 3/8"                |     |            |    |     | 5'-1 1/4"<br>5'-1 3/8"                | 2'-9 3/4"<br>2'-9 3/4"                 | 5'-9"<br>5'-9 1/8"       |
| WM168A<br>WM169A | 2'-4 7/8"<br>2'-4 7/8"   | 5'-1 1/2"<br>5'-1 5/8"                |     |            |    |     | 5'-1 1/2"<br>5'-1 5/8"                | 2'-9 7/8"<br>2'-9 7/8"                 | 5'-9 3/8"<br>5'-9 1/2"   |
| WM170A<br>WM171A | 2'-5"<br>2'-5"           | 5'-1 7/8"<br>5'-2"                    |     |            |    |     | 5'-1 7/8"<br>5'-2"                    | 2'-10"<br>2'-10"                       | 5'-9 5/8"<br>5'-9 3/4"   |
| WM172A<br>WM173A | 2'-5"<br>2'-5 1/8"       | 5'-2 1/8"<br>5'-2 1/4"                |     |            |    |     | 5'-2 1/8"<br>5'-2 1/4"                | 2'-10"<br>2'-10 1/8"                   | 5'-9 7/8"<br>5'-10"      |
| WM174A<br>WM175A | 2'-5 1/8"<br>2'-5 1/4"   | 5'-2 3/8"<br>5'-2 5/8"                |     |            |    |     | 5'-2 3/8"<br>5'-2 5/8"                | 2'-10 1/8"<br>2'-10 1/4"               | 5'-10 1/4"<br>5'-10 3/8" |
| WM176A<br>WM177A | 2'-5 1/4"<br>2'-5 1/4"   | 5'-2 3/4"<br>5'-2 7/8"                |     |            |    |     | 5'-2 3/4"<br>5'-2 7/8"                | 2'-10 1/4"<br>2'-10 1/4"               | 5'-10 1/2"<br>5'-10 5/8" |
| WM178A<br>WM179A | 2'-5 1/4"<br>2'-5 1/4"   | 5'-3"<br>5'-3 1/4"                    |     |            |    |     | 5'-3"<br>5'-3 1/4"                    | 2'-10 1/4"<br>2'-10 1/4"<br>2'-10 1/4" | 5'-10 3/4"<br>5'-10 7/8" |
| WM180A           | 2'-5 3/8"                |                                       |     |            | 1  | 1   | 5'-3 3/8"                             |  |                          |

| ,  | WE   | ST   | BR         | IDG        | E-         | MIE        | DDL   | 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>   |
| WM181A<br>WM182A   | 2'-5 3/8"<br>2'-5 3/8"   | 5'-3 1/2"<br>5'-3 3/4"   |            |            |            |            | 5'-3 1/2"<br>5'-3 3/4"  | 2'-10 3/8"<br>2'-10 3/8"  | 5'-11 1/8"<br>5'-11 1/4"   |  |
| WM183A<br>WM184A   | 2'-5 3/8"<br>2'-5 3/8"   | 5'-3 7/8"<br>5'-4"   |            |            |            |            | 5'-3 7/8"<br>5'-4"  | 2'-10 3/8"<br>2'-10 3/8"  | 5'-11 3/8"<br>5'-11 1/2"   |  |
| WM185A<br>WM186A<br>WM187A   | 2'-5 3/8"<br>2'-5 3/8"<br>2'-5 1/2"  | 5'-4 1/8"<br>5'-4 1/4"<br>5'-4 1/2"  |            |            |            |            | 5'-4 1/8"<br>5'-4 1/4"<br>5'-4 1/2"   | 2'-10 3/8"<br>2'-10 3/8"<br>2'-10 1/2"  | 5'-11 5/8"<br>5'-11 3/4"<br>5'-11 7/8"   |  |
| WM188A<br>WM189A   | 2'-5 1/2"<br>2'-5 1/2"<br>2'-5 1/2"  | 5'-4 5/8"<br>5'-4 3/4"   |            |            |            |            | 5'-4 5/8"<br>5'-4 3/4"  | 2'-10 1/2"<br>2'-10 1/2"<br>2'-10 1/2"  | 6'-0"<br>6'-0 1/8"   |  |
| WM190A<br>WM191A   | 2'-5 1/2"<br>2'-5 1/2"   | 5'-4 7/8"<br>5'-5"   |            |            |            |            | 5'-4 7/8"<br>5'-5"  | 2'-10 1/2"<br>2'-10 1/2"  | 6'-0 1/4"<br>6'-0 3/8"   |  |
| WM192A<br>WM193A<br>WM194A   | 2'-5 1/2"<br>2'-5 1/2"<br>2'-5 5/8"  | 5'-5 1/8"<br>5'-5 1/4"<br>5'-5 3/8"  |            |            |            |            | 5'-5 1/8"<br>5'-5 1/4"<br>5'-5 3/8"   | 2'-10 1/2"<br>2'-10 1/2"<br>2'-10 5/8"  | 6'-0 1/2"<br>6'-0 5/8"<br>6'-0 3/4"  |  |
| WM195A<br>WM196A   | 2'-5 5/8"<br>2'-5 5/8"   | 5'-5 1/2"<br>5'-5 5/8"   |            |            |            |            | 5'-5 1/2"<br>5'-5 5/8"  | 2'-10 5/8"<br>2'-10 5/8"  | 6'-0 3/4"<br>6'-0 7/8"   |  |
| WM197A<br>WM198A   | 2'-5 5/8"<br>2'-5 5/8"   | 5'-5 3/4"<br>5'-5 7/8"   |            |            |            |            | 5'-5 3/4"<br>5'-5 7/8"  | 2'-10 5/8"<br>2'-10 5/8"  | 6'-1"<br>6'-1 1/8"   |  |
| WM199A<br>WM200A   | 2'-5 5/8"<br>2'-5 5/8"   | 5'-6"<br>5'-6 1/8"   |            |            |            |            | 5'-6"<br>5'-6 1/8"  | 2'-10 5/8"<br>2'-10 5/8"  | 6'-1 1/4"<br>6'-1 3/8"   |  |
| WM201A<br>WM202A<br>WM203A   | 2'-5 3/4"<br>2'-5 3/4"<br>2'-5 3/4"  | 5'-6 1/4"<br>5'-6 3/8"<br>5'-6 1/2"  |            |            |            |            | 5'-6 1/4"<br>5'-6 3/8"<br>5'-6 1/2"   | 2'-10 3/4"<br>2'-10 3/4"<br>2'-10 3/4"  | 6'-1 3/8"<br>6'-1 1/2"<br>6'-1 5/8"  |  |
| WM204A<br>WM205A   | 2'-5 3/4"<br>2'-5 3/4"   | 5'-6 5/8"<br>5'-6 3/4"   |            |            |            |            | 5'-6 5/8"<br>5'-6 3/4"  | 2'-10 3/4"<br>2'-10 3/4"  | 6'-1 3/4"<br>6'-1 3/4"   |  |
| WM206A<br>WM207A   | 2'-5 3/4"<br>2'-5 3/4"   | 5'-6 7/8"<br>5'-7"   |            |            |            |            | 5'-6 7/8"<br>5'-7"  | 2'-10 3/4"<br>2'-10 3/4"  | 6'-1 7/8"<br>6'-2"   |  |
| WM208A<br>WM209A   | 2'-5 7/8"<br>2'-5 7/8"   | 5'-7"<br>5'-7 1/8"   |            |            |            |            | 5'-7"<br>5'-7 1/8"  | 2'-10 7/8"  | 6'-2 1/8"<br>6'-2 1/8"   |  |
| WM210A<br>WM211A<br>WM212A   | 2'-5 7/8"<br>2'-5 7/8"<br>2'-5 7/8"  | 5'-7 1/4"<br>5'-7 3/8"<br>5'-7 1/2"  |            |            |            |            | 5'-7 1/4"<br>5'-7 3/8"<br>5'-7 1/2"   | 2'-10 7/8"<br>2'-10 7/8"<br>2'-10 7/8"  | 6'-2 1/4"<br>6'-2 3/8"<br>6'-2 3/8"  |  |
| WM213A<br>WM214A   | 2'-5 7/8"<br>2'-5 7/8"   | 5'-7 1/2"<br>5'-7 5/8"   |            |            |            |            | 5'-7 1/2"<br>5'-7 5/8"  | 2'-10 7/8"<br>2'-10 7/8"  | 6'-2 1/2"<br>6'-2 1/2"   |  |
| WM215A<br>WM216A   | 2'-6"<br>2'-6"   | 5'-7 3/4"<br>5'-7 3/4"   |            |            |            |            | 5'-7 3/4"<br>5'-7 3/4"  | 2'-11"<br>2'-11"  | 6'-2 5/8"<br>6'-2 3/4"   |  |
| WM217A<br>WM218A<br>WM219A   | 2'-6"<br>2'-6"<br>2'-6"  | 5'-7 7/8"<br>5'-8"<br>5'-8"  |            |            |            |            | 5'-7 7/8"<br>5'-8"<br>5'-8"   | 2'-11"<br>2'-11"<br>2'-11"  | 6'-2 3/4"<br>6'-2 7/8"<br>6'-2 7/8"  |  |
| WM220A<br>WM221A   | 2'-6"<br>2'-6"   | 5'-8 1/8"<br>5'-8 1/4"   |            |            |            |            | 5'-8 1/8"<br>5'-8 1/4"  | 2'-11"<br>2'-11"  | 6'-3"<br>6'-3"   |  |
| WM222A<br>WM223A   | 2'-6 1/8"<br>2'-6 1/8"   | 5'-8 1/4"<br>5'-8 3/8"   |            |            |            |            | 5'-8 1/4"<br>5'-8 3/8"  | 2'-11 1/8"<br>2'-11 1/8"  | 6'-3 1/8"<br>6'-3 1/8"   |  |
| WM224A<br>WM225A   | 2'-6 1/8"<br>2'-6 1/8"   | 5'-8 3/8"<br>5'-8 1/2"   |            | _          | _          |            | 5'-8 3/8"<br>5'-8 1/2"  | 2'-11 1/8"<br>2'-11 1/8"  | 6'-3 1/4"<br>6'-3 1/4"   |  |
| WM226A<br>WM227A<br>WM228A   | 2'-6 1/8"<br>2'-6 1/8"<br>2'-6 1/8"  | 5'-8 1/2"<br>5'-8 5/8"<br>5'-8 5/8"  |            |            |            |            | 5'-8 1/2"<br>5'-8 5/8"<br>5'-8 5/8"   | 2'-11 1/8"<br>2'-11 1/8"<br>2'-11 1/8"  | 6'-3 3/8"<br>6'-3 3/8"<br>6'-3 1/2"  |  |
| WM229A<br>WM230A   | 2'-6 1/4"<br>2'-6 1/4"   | 5'-8 5/8"<br>5'-8 3/4"<br>5'-8 3/4"  |            |            |            |            | 5'-8 5/8"<br>5'-8 3/4"<br>5'-8 3/4"   | 2'-11 1/8"<br>2'-11 1/4"<br>2'-11 1/4"  | 6'-3 1/2"<br>6'-3 1/2"<br>6'-3 1/2"  |  |
| WM231A<br>WM232A   | 2'-6 1/4"<br>2'-6 1/4"   | 5'-8 7/8"<br>5'-8 7/8"   |            |            |            |            | 5'-8 7/8"<br>5'-8 7/8"  | 2'-11 1/4"<br>2'-11 1/4"  | 6'-3 5/8"<br>6'-3 5/8"   |  |
| WM233A<br>WM234A   | 2'-6 1/4"<br>2'-6 1/4"   | 5'-8 7/8"<br>5'-9"   |            |            |            |            | 5'-8 7/8"<br>5'-9"  | 2'-11 1/4"  | 6'-3 3/4"<br>6'-3 3/4"   |  |
| WM235A<br>WM236A<br>WM237A   | 2'-6 1/4"<br>2'-6 3/8"<br>2'-6 3/8"  | 5'-9"<br>5'-9 1/8"<br>5'-9 1/8"  |            |            |            |            | 5'-9"<br>5'-9 1/8"<br>5'-9 1/8"   | 2'-11 1/4"<br>2'-11 3/8"<br>2'-11 3/8"  | 6'-3 3/4"<br>6'-3 7/8"<br>6'-3 7/8"  |  |
| WM238A<br>WM239A   | 2'-6 3/8"<br>2'-6 1/4"   | 5'-9 1/4"<br>5'-9 1/4"   |            |            |            |            | 5'-9 1/4"<br>5'-9 1/4"  | 2'-11 1/4"<br>2'-11 1/4"  | 6'-3 7/8"<br>6'-3 7/8"   |  |
| WM240A<br>WM241A   | 2'-6 1/4"<br>2'-6 1/4"   | 5'-9 1/4"<br>5'-9 3/8"   |            |            |            |            | 5'-9 1/4"<br>5'-9 3/8"  | 2'-11 1/4"<br>2'-11 1/4"  | 6'-4"<br>6'-4"   |  |
| WM242A<br>WM243A<br>WM244A   | 2'-6 1/4"<br>2'-6 1/4"<br>2'-6 1/4"  | 5'-9 3/8"<br>5'-9 1/2"<br>5'-9 1/2"  |            |            |            |            | 5'-9 3/8"<br>5'-9 1/2"<br>5'-9 1/2"   | 2'-11 1/4"<br>2'-11 1/4"<br>2'-11 1/4"  | 6'-4"<br>6'-4"<br>6'-4 1/8"  |  |
| WM245A<br>WM246A   | 2'-6 1/4"<br>2'-6 1/4"   | 5'-9 1/2"<br>5'-9 5/8"   |            |            |            |            | 5'-9 1/2"<br>5'-9 5/8"  | 2'-11 1/4"<br>2'-11 1/4"<br>2'-11 1/4"  | 6'-4 1/8"<br>6'-4 1/8"   |  |
| WM247A<br>WM248A   | 2'-6 1/4"<br>2'-6 1/4"   | 5'-9 5/8"<br>5'-9 5/8"   |            |            |            |            | 5'-9 5/8"<br>5'-9 5/8"  | 2'-11 1/4"<br>2'-11 1/4"  | 6'-4 1/8"<br>6'-4 1/8"   |  |
| WM249A<br>WM250A   | 2'-6 1/4"<br>2'-6 1/4"   | 5'-9 3/4"<br>5'-9 3/4"   |            |            |            |            | 5'-9 3/4"<br>5'-9 3/4"  | 2'-11 1/4"  | 6'-4 1/8"<br>6'-4 1/4"   |  |
| WM251A<br>WM252A<br>WM253A   | 2'-6 1/4"<br>2'-6 1/4"<br>2'-6 1/4"  | 5'-9 3/4"<br>5'-9 7/8"<br>5'-9 7/8"  |            |            |            |            | 5'-9 3/4"<br>5'-9 7/8"<br>5'-9 7/8"   | 2'-11 1/4"<br>2'-11 1/4"<br>2'-11 1/4"  | 6'-4 1/4"<br>6'-4 1/4"<br>6'-4 1/4"  |  |
| WM254A<br>WM255A   | 2'-6 1/4"<br>2'-6 1/4"<br>2'-6 1/4"  | 5'-9 7/8"<br>5'-9 7/8"   |            |            |            |            | 5'-9 7/8"<br>5'-9 7/8"  | 2'-11 1/4"<br>2'-11 1/4"<br>2'-11 1/4"  | 6'-4 1/4"<br>6'-4 1/4"   |  |
| WM256A<br>WM257A   | 2'-6 1/4"<br>2'-6 1/4"   | 5'-9 7/8"<br>5'-9 7/8"   |            |            |            |            | 5'-9 7/8"<br>5'-9 7/8"  | 2'-11 1/4"<br>2'-11 1/4"  | 6'-4 1/4"<br>6'-4 1/4"   |  |
| WM258A<br>WM259A   | 2'-6 1/4"<br>2'-6 1/4"   | 5'-10"<br>5'-10"   |            |            |            |            | 5'-10"<br>5'-10"  | 2'-11 1/4"<br>2'-11 1/4"  | 6'-4 1/4"<br>6'-4 1/4"   |  |
| WM260A<br>WM261A<br>WM262A   | 2'-6 1/4"<br>2'-6 1/4"<br>2'-6 1/4"  | 5'-10"<br>5'-10"<br>5'-10"   |            |            |            |            | 5'-10"<br>5'-10"<br>5'-10"  | 2'-11 1/4"<br>2'-11 1/4"<br>2'-11 1/4"  | 6'-4 1/4"<br>6'-4 1/4"<br>6'-4 1/4"  |  |
| WM263A<br>WM264A   | 2'-6 1/4"<br>2'-6 1/4"   | 5'-10"<br>5'-10"   |            |            |            |            | 5'-10"<br>5'-10"  | 2'-11 1/4"<br>2'-11 1/4"  | 6'-4 1/4"<br>6'-4 1/4"   |  |
| WM265A<br>WM266A   | 2'-6 1/4"<br>2'-6 1/4"   | 5'-10"<br>5'-10"   |            |            |            |            | 5'-10"<br>5'-10"  | 2'-11 1/4"<br>2'-11 1/4"  | 6'-4 1/4"<br>6'-4 1/4"   |  |
| WM267A<br>WM268A<br>WM269A   | 2'-6 1/4"<br>2'-6 1/4"<br>2'-6 1/4"  | 5'-10"<br>5'-10"<br>5'-10"   |            |            |            |            | 5'-10"<br>5'-10"<br>5'-10"  | 2'-11 1/4"<br>2'-11 1/4"<br>2'-11 1/4"  | 6'-4 1/4"<br>6'-4 1/4"<br>6'-4 1/4"  |  |
| WM270A<br>WM271A   | 2'-6 1/4"<br>2'-6 1/4"   | 5'-10"<br>5'-10"   |            |            |            |            | 5'-10"<br>5'-10"  | 2'-11 1/4"<br>2'-11 1/4"  | 6'-4 1/4"<br>6'-4 1/8"   |  |
| WM272A<br>WM273A   | 2'-6 1/4"<br>2'-6 1/4"   | 5'-10"<br>5'-10"   |            |            |            |            | 5'-10"<br>5'-10"  | 2'-11 1/4"<br>2'-11 1/4"  |  |  |
| WM274A<br>WM275A<br>WM276A   | 2'-6 1/8"<br>2'-6 1/8"<br>2'-6 1/8"  | 5'-10"<br>5'-9 7/8"<br>5'-9 7/8"   |            |            |            |            | 5'-10"<br>5'-9 7/8"<br>5'-9 7/8"  | 2'-11 1/4"<br>2'-11 1/8"<br>2'-11 1/8"  | 6'-4 1/8"<br>6'-4 1/8"<br>6'-4 1/8"  |  |
| WM277A<br>WM278A   | 2'-6 1/8"<br>2'-6 1/8"   | 5'-9 7/8"<br>5'-9 7/8"   |            |            |            |            | 5'-9 7/8"<br>5'-9 7/8"  | 2'-11 1/8"<br>2'-11 1/8"  | 6'-4"<br>6'-4"   |  |
| WM279A<br>WM280A   | 2'-6 1/8"<br>2'-6 1/8"   | 5'-9 7/8"<br>5'-9 3/4"   |            |            |            |            | 5'-9 7/8"<br>5'-9 3/4"  | 2'-11 1/8"<br>2'-11 1/8"  | 6'-4"<br>6'-4"   |  |
| WM281A<br>WM282A<br>WM283A   | 2'-6 1/8"<br>2'-6 1/8"   | 5'-9 3/4"<br>5'-9 3/4"   |            |            |            |            | 5'-9 3/4"<br>5'-9 3/4"  | 2'-11 1/8"  | 6'-3 7/8"<br>6'-3 7/8"   |  |
| WM284A<br>WM285A   | 2'-6 1/8"<br>2'-6 1/8"<br>2'-6 1/8"  | 5'-9 3/4"<br>5'-9 5/8"<br>5'-9 5/8"  |            |            |            |            | 5'-9 3/4"<br>5'-9 5/8"<br>5'-9 5/8"   | 2'-11 1/8"<br>2'-11 1/8"<br>2'-11 1/8"  | 6'-3 7/8"<br>6'-3 3/4"<br>6'-3 3/4"  |  |
| WM286A<br>WM287A   | 2'-6 1/8"<br>2'-6 1/8"   | 5'-9 5/8"<br>5'-9 1/2"   |            |            |            |            | 5'-9 5/8"<br>5'-9 1/2"  | 2'-11 1/8"<br>2'-11 1/8"  | 6'-3 3/4"<br>6'-3 5/8"   |  |
| WM288A<br>WM289A   | 2'-6 1/8"<br>2'-6 1/8"   | 5'-9 1/2"<br>5'-9 1/2"   |            |            |            |            | 5'-9 1/2"<br>5'-9 1/2"  | 2'-11 1/8"<br>2'-11 1/8"  | 6'-3 5/8"<br>6'-3 5/8"   |  |
| WM290A<br>WM291A<br>WM292A   | 2'-6 1/8"<br>2'-6 1/8"<br>2'-6 1/8"  | 5'-9 3/8"<br>5'-9 3/8"<br>5'-9 1/4"  |            |            |            |            | 5'-9 3/8"<br>5'-9 3/8"<br>5'-9 1/4"   | 2'-11 1/8"<br>2'-11 1/8"<br>2'-11 1/8"  | 6'-3 1/2"<br>6'-3 1/2"<br>6'-3 1/2"  |  |
| WM292A<br>WM293A<br>WM294A   | 2'-6 1/8"<br>2'-6 1/8"<br>2'-6 1/8"  | 5'-9 1/4"<br>5'-9 1/4"<br>5'-9 1/8"  |            |            |            |            | 5'-9 1/4"<br>5'-9 1/4"<br>5'-9 1/8"   | 2'-11 1/8"<br>2'-11 1/8"<br>2'-11 1/8"  | 6'-3 1/2"<br>6'-3 3/8"<br>6'-3 3/8"  |  |
| WM295A<br>WM296A   | 2'-6 1/8"<br>2'-6 1/8"   | 5'-9 1/8"<br>5'-9"   |            |            |            |            | 5'-9 1/8"<br>5'-9"  | 2'-11 1/8"<br>2'-11 1/8"  | 6'-3 1/4"<br>6'-3 1/4"   |  |
| WM297A<br>WM298A   | 2'-6 1/8"  | 5'-9"<br>5'-9"   |            |            |            |            | 5'-9"<br>5'-9"  | 2'-11 1/8"  | 6'-3 1/8"<br>6'-3 1/8"   |  |
| WM299A<br>WM300A<br>WM301A   | 2'-6"<br>2'-6"<br>2'-5 7/8"  | 5'-9"<br>5'-8 7/8"<br>5'-8 7/8"  |            |            |            |            | 5'-9"<br>5'-8 7/8"<br>5'-8 7/8"   | 2'-11"<br>2'-11"<br>2'-10 7/8"  | 6'-3"<br>6'-3"<br>6'-2 7/8"  |  |
| WM302A<br>WM303A   | 2'-5 7/8"<br>2'-5 7/8"   | 5'-8 7/8"<br>5'-8 3/4"   |            |            |            |            | 5'-8 7/8"<br>5'-8 3/4"  | 2'-10 7/8"<br>2'-10 7/8"  | 6'-2 7/8"<br>6'-2 3/4"   |  |
| WM304A<br>WM305A   | 2'-5 3/4"<br>2'-5 3/4"   | 5'-8 3/4"<br>5'-8 3/4"   |            |            |            |            | 5'-8 3/4"<br>5'-8 3/4"  | 2'-10 3/4"<br>2'-10 3/4"  | 6'-2 3/4"<br>6'-2 5/8"   |  |
| WM306A<br>WM307A   | 2'-5 3/4"  | 5'-8 5/8"<br>5'-8 5/8"   |            |            |            |            | 5'-8 5/8"<br>5'-8 5/8"  | 2'-10 3/4"  | 6'-2 1/2"<br>6'-2 1/2"   |  |
| WM308A<br>WM309A<br>WM310A   | 2'-5 5/8"<br>2'-5 5/8"<br>2'-5 5/8"  | 5'-8 1/2"<br>5'-8 1/2"<br>5'-8 1/2"  |            |            |            |            | 5'-8 1/2"<br>5'-8 1/2"<br>5'-8 1/2"   | 2'-10 5/8"<br>2'-10 5/8"<br>2'-10 5/8"  | 6'-2 3/8"<br>6'-2 1/4"<br>6'-2 1/4"  |  |
| WM311A<br>WM312A   | 2'-5 1/2"<br>2'-5 1/2"   | 5'-8 3/8"<br>5'-8 3/8"   |            |            |            |            | 5'-8 3/8"<br>5'-8 3/8"  | 2'-10 1/2"<br>2'-10 1/2"  | 6'-2 1/8"<br>6'-2"   |  |
| WM313A<br>WM314A   | 2'-5 1/2"<br>2'-5 3/8"   | 5'-8 1/4"<br>5'-8 1/4"   |            |            |            |            | 5'-8 1/4"<br>5'-8 1/4"  | 2'-10 1/2"<br>2'-10 3/8"  | 6'-2"<br>6'-1 7/8"   |  |
| WM315A<br>WM316A<br>WM317A   | 2'-5 3/8"<br>2'-5 3/8"<br>2'-5 1/4"  | 5'-8 1/8"<br>5'-8"<br>5'-8"  |            |            |            |            | 5'-8 1/8"<br>5'-8"<br>5'-8"   | 2'-10 3/8"<br>2'-10 3/8"<br>2'-10 1/4"  | 6'-1 3/4"<br>6'-1 3/4"<br>6'-1 5/8"  |  |
| WM317A<br>WM318A<br>WM319A   | 2'-5 1/4"<br>2'-5 1/4"<br>2'-5 1/4"  | 5'-8"<br>5'-7 7/8"<br>5'-7 7/8"  |            |            |            |            | 5'-7 7/8"<br>5'-7 7/8"  | 2'-10 1/4"<br>2'-10 1/4"<br>2'-10 1/4"  | 6'-1 5/8"<br>6'-1 1/2"<br>6'-1 3/8"  |  |
| WM320A<br>WM321A   | 2'-5 1/8"<br>2'-5 1/8"   | 5'-7 3/4"<br>5'-7 5/8"   |            |            |            |            | 5'-7 3/4"<br>5'-7 5/8"  | 2'-10 1/8"<br>2'-10 1/8"  | 6'-1 3/8"<br>6'-1 1/4"   |  |
| WM322A<br>WM323A   | 2'-5 1/8"<br>2'-5 1/8"   | 5'-7 5/8"<br>5'-7 1/2"   |            | _          | _          |            | 5'-7 5/8"<br>5'-7 1/2"  | 2'-10 1/8"<br>2'-10 1/8"  | 6'-1 1/8"<br>6'-1"   |  |
| WM324A<br>WM325A<br>WM326A   | 2'-5"<br>2'-5"<br>2'-5"  | 5'-7 3/8"<br>5'-7 3/8"<br>5'-7 1/4"  |            |            |            |            | 5'-7 3/8"<br>5'-7 3/8"<br>5'-7 1/4"   | 2'-10"<br>2'-10"<br>2'-10"  |  |  |
| WM327A<br>WM328A   | 2'-4 7/8"<br>2'-4 7/8"   | 5'-7 1/4"<br>5'-7 1/8"<br>5'-7"  |            |            |            |            | 5'-7 1/4"<br>5'-7 1/8"<br>5'-7"   | 2'-10"<br>2'-9 7/8"<br>2'-9 7/8"  | 6'-0 3/4"<br>6'-0 5/8"<br>6'-0 1/2"  |  |
| WM329A   | 2'-4 7/8"<br>2'-4 3/4"   | 5'-7"<br>5'-6 7/8"   |            |            |            |            | 5'-7"<br>5'-6 7/8"  | 2'-9 7/8"<br>2'-9 3/4"  | 6'-0 3/8"<br>6'-0 1/4"   |  |
| WM330A   | 2'-4 3/4"<br>2'-4 3/4"   | 5'-6 3/4"<br>5'-6 5/8"   |            |            | _          |            | 5'-6 3/4"<br>5'-6 5/8"  | 2'-9 3/4"<br>2'-9 3/4"  | 6'-0 1/8"<br>6'-0"   | 7'-3   |
| WM330A<br>WM331A<br>WM332A   |  | 5'-6 1/2"  |            |            |            |            | 5'-6 1/2"<br>5'-6 3/8"  | 2'-9 5/8"<br>2'-9 5/8"  | 5'-11 7/8"<br>5'-11 3/4"   | 7'-2   |
| WM330A<br>WM331A<br>WM332A<br>WM333A<br>WM334A   | 2'-4 5/8"<br>2'-4 5/8"<br>2'-4 5/8"  | 5'-6 3/8"  |            |            |            |            |   |   |  |  |
| WM330A<br>WM331A<br>WM332A<br>WM333A<br>WM334A<br>WM335A<br>WM336A   |  |  |            |            |            |            | 5'-6 3/8"<br>5'-6 1/4"<br>5'-6 1/8"   | 2'-9 5/8"<br>2'-9 1/2"<br>2'-9 1/2"   | 5'-11 5/8"<br>5'-11 1/2"<br>5'-11 3/8"   | 7'-2<br>7'-2   |
| WM330A<br>WM331A<br>WM332A<br>WM333A<br>WM334A<br>WM335A<br>WM336A<br>WM337A<br>WM338A   | 2'-4 5/8"<br>2'-4 5/8"<br>2'-4 1/2"  | 5'-6 3/8"<br>5'-6 3/8"<br>5'-6 1/4"  |            |            |            |            | 5'-6 3/8"<br>5'-6 1/4"  | 2'-9 5/8"<br>2'-9 1/2"  | 5'-11 5/8"<br>5'-11 1/2"   | 7'-2<br>7'-2<br>7'-2<br>7'-2   |
| WM330A<br>WM331A<br>WM332A<br>WM333A<br>WM334A<br>WM335A<br>WM336A<br>WM337A<br>WM337A<br>WM339A<br>WM341A                               | 2'-4 5/8"<br>2'-4 5/8"<br>2'-4 1/2"<br>2'-4 1/2"<br>2'-4 1/2"<br>2'-4 1/2"<br>5'-0 3/8"<br>5'-0 3/8" | 5'-6 3/8"<br>5'-6 3/8"<br>5'-6 1/4"<br>5'-6 1/8"<br>5'-6"<br>5'-5 7/8"<br>2'-9 3/4"<br>2'-9 5/8" |            |            |            |            | 5'-6 3/8"<br>5'-6 1/4"<br>5'-6 1/8"<br>5'-6"<br>5'-5 7/8"<br>2'-9 3/4"<br>2'-9 5/8" | 2'-9 5/8"<br>2'-9 1/2"<br>2'-9 1/2"<br>2'-9 1/2"<br>2'-9 1/2"<br>2'-9 3/8"<br>2'-9 3/8" | 5'-11 5/8"<br>5'-11 1/2"<br>5'-11 3/8"<br>5'-11 1/4"<br>5'-11 1/8"<br>5'-11"<br>5'-10 7/8" | 7'-2<br>7'-2<br>7'-2<br>7'-2<br>7'-1<br>7'-1                         |
| WM339A<br>WM331A<br>WM332A<br>WM333A<br>WM334A<br>WM335A<br>WM336A<br>WM336A<br>WM337A<br>WM338A<br>WM340A<br>WM341A<br>WM341A<br>WM341A | 2'-4 5/8"<br>2'-4 5/8"<br>2'-4 1/2"<br>2'-4 1/2"<br>2'-4 1/2"<br>2'-4 1/2"<br>5'-0 3/8"              | 5'-6 3/8"<br>5'-6 3/8"<br>5'-6 1/4"<br>5'-6 1/8"<br>5'-6"<br>5'-5 7/8"<br>2'-9 3/4"              |            |            |            |            | 5'-6 3/8"<br>5'-6 1/4"<br>5'-6 1/8"<br>5'-6"<br>5'-5 7/8"<br>2'-9 3/4"              | 2'-9 5/8"<br>2'-9 1/2"<br>2'-9 1/2"<br>2'-9 1/2"<br>2'-9 1/2"<br>2'-9 3/8"              | 5'-11 5/8"<br>5'-11 1/2"<br>5'-11 3/8"<br>5'-11 1/4"<br>5'-11 1/8"<br>5'-11"               | 7'-2<br>7'-2<br>7'-2<br>7'-2<br>7'-1<br>7'-1<br>7'-1<br>7'-1<br>7'-1 |

|                            | WE                                     | ST  | BRID                | )G  | E -        | MID        | DL                                     | E R                                    | RUN                                    |  |
|----------------------------|--|---|---------------------|-----|------------|------------|--|--|--|--|
| <u>ID</u>                  | <u>P01V</u>                            | <u>L01</u>                                  | <u>A01</u> <u>L</u> | _02 | <u>A02</u> | <u>L03</u> | <u>LTOT</u>                            | <u>ANV</u>                             | <u>H03V</u>                            | <u>H04V</u>                            |
| WM352A<br>WM353A           | 5'-0"<br>2'-3 7/8"                     |   |                     |     |            |            | 2'-8 1/8"<br>5'-4"                     | 2'-9"<br>2'-8 7/8"                     | 5'-9 3/8"<br>5'-9 1/8"                 | 6'-11 3/4"<br>6'-11 5/8"               |
| WM354A<br>WM355A           | 2'-3 7/8"<br>2'-3 7/8"                 | 5'-3 3/4"                                   |                     |     |            |            | 5'-3 3/4"<br>5'-3 5/8"                 | 2'-8 7/8"<br>2'-8 7/8"                 | 5'-9"<br>5'-8 7/8"                     | 6'-11 3/8"<br>6'-11 1/4"               |
| WM356A<br>WM357A           | 2'-3 3/4"<br>2'-3 3/4"                 | 5'-3 1/2"<br>5'-3 3/8"                      |                     |     |            |            | 5'-3 1/2"<br>5'-3 3/8"                 | 2'-8 3/4"<br>2'-8 3/4"                 | 5'-8 3/4"<br>5'-8 1/2"                 | 6'-11"<br>6'-10 7/8"                   |
| WM358A<br>WM359A<br>WM360A | 2'-3 5/8"<br>2'-3 5/8"<br>2'-3 1/2"    | 5'-3 1/4"<br>5'-3 1/8"<br>5'-3"             |                     |     |            |            | 5'-3 1/4"<br>5'-3 1/8"<br>5'-3"        | 2'-8 5/8"<br>2'-8 5/8"<br>2'-8 1/2"    | 5'-8 3/8"<br>5'-8 1/4"<br>5'-8"        | 6'-10 5/8"<br>6'-10 3/8"<br>6'-10 1/4" |
| WM361A<br>WM362A           | 2'-3 1/2"                              | 5'-2 3/4"                                   |                     |     |            |            | 5'-2 3/4"<br>5'-2 5/8"                 | 2'-8 1/2"<br>2'-8 3/8"                 | 5'-7 7/8"<br>5'-7 3/4"                 | 0-10 1/4                               |
| WM363A<br>WM364A           | 2'-3 3/8"<br>2'-3 1/4"                 | 5'-2 1/2"<br>5'-2 3/8"                      |                     |     |            |            | 5'-2 1/2"<br>5'-2 3/8"                 | 2'-8 3/8"<br>2'-8 1/4"                 | 5'-7 1/2"<br>5'-7 3/8"                 |  |
| WM365A<br>WM366A<br>WM367A | 2'-3 1/4"<br>2'-3 1/8"<br>2'-3 1/8"    | 5'-2 1/4"<br>5'-2"<br>5'-1 7/8"             |                     |     |            |            | 5'-2 1/4"<br>5'-2"<br>5'-1 7/8"        | 2'-8 1/4"<br>2'-8 1/8"<br>2'-8 1/8"    | 5'-7 1/4"<br>5'-7"<br>5'-6 7/8"        |  |
| WM368A<br>WM369A           | 2'-3 1/8"<br>2'-3 1/8"<br>2'-3"        | 5'-1 7/8"<br>5'-1 3/4"<br>5'-1 1/2"         |                     |     |            |            | 5'-1 7/8"<br>5'-1 3/4"<br>5'-1 1/2"    | 2'-8 1/8"<br>2'-8 1/8"<br>2'-8"        | 5'-6 7/8"<br>5'-6 5/8"<br>5'-6 1/2"    |  |
| WM370A<br>WM371A           | 2'-3"<br>2'-2 7/8"                     |   |                     |     |            |            | 5'-1 3/8"<br>5'-1 1/4"                 | 2'-8"<br>2'-7 7/8"                     | 5'-6 3/8"<br>5'-6 1/8"                 |  |
| WM372A<br>WM373A           | 2'-2 7/8"                              |   |                     |     |            |            | 5'-1"<br>5'-0 7/8"                     | 2'-7 7/8"<br>2'-7 3/4"                 | 5'-6"<br>5'-5 3/4"                     |  |
| WM374A<br>WM375A<br>WM376A | 2'-2 3/4"<br>2'-2 5/8"<br>2'-2 5/8"    | 5'-0 3/4"<br>5'-0 1/2"<br>5'-0 3/8"         |                     |     |            |            | 5'-0 3/4"<br>5'-0 1/2"<br>5'-0 3/8"    | 2'-7 3/4"<br>2'-7 5/8"<br>2'-7 5/8"    | 5'-5 5/8"<br>5'-5 3/8"<br>5'-5 1/4"    |  |
| WM377A<br>WM378A           | 2'-2 1/2"                              | 5'-0 1/4"                                   |                     |     |            |            | 5'-0 1/4"<br>5'-0"                     | 2'-7 1/2"<br>2'-7 1/2"                 | 5'-5"<br>5'-4 7/8"                     |  |
| WM379A<br>WM380A           | 2'-2 3/8"<br>2'-2 3/8"                 | 4'-11 7/8"<br>4'-11 5/8"                    |                     |     |            |            | 4'-11 7/8"<br>4'-11 5/8"               | 2'-7 3/8"<br>2'-7 3/8"                 | 5'-4 5/8"<br>5'-4 3/8"                 |  |
| WM381A<br>WM382A           | 2'-2 1/4"                              | 4'-11 1/2"<br>4'-11 1/4"                    |                     |     |            |            | 4'-11 1/2"<br>4'-11 1/4"               | 2'-7 1/4"<br>2'-7 1/4"                 | 5'-4 1/4"<br>5'-4"                     |  |
| WM383A<br>WM384A<br>WM385A | 2'-2 1/8"<br>2'-2 1/8"<br>2'-2"        | 4'-11 1/8"<br>4'-10 7/8"<br>4'-10 5/8"      |                     |     |            |            | 4'-11 1/8"<br>4'-10 7/8"<br>4'-10 5/8" | 2'-7 1/8"<br>2'-7 1/8"<br>2'-7"        | 5'-3 7/8"<br>5'-3 5/8"<br>5'-3 3/8"    |  |
| WM386A<br>WM387A           | 2'-2"<br>2'-1 7/8"                     |   |                     |     |            |            | 4'-10 1/2"<br>4'-10 1/4"               | 2'-7"<br>2'-6 7/8"                     | 5'-3 1/4"<br>5'-3"                     |  |
| WM388A<br>WM389A           | 2'-1 7/8"<br>2'-1 3/4"                 | 4'-10 1/8"<br>4'-9 7/8"                     |                     |     |            |            | 4'-10 1/8"<br>4'-9 7/8"                | 2'-6 7/8"<br>2'-6 3/4"                 | 5'-2 3/4"<br>5'-2 5/8"                 |  |
| WM390A<br>WM391A           | 2'-1 3/4"<br>2'-1 5/8"                 | 4'-9 5/8"<br>4'-9 1/2"                      |                     |     |            |            | 4'-9 5/8"<br>4'-9 1/2"                 | 2'-6 3/4"<br>2'-6 5/8"                 | 5'-2 3/8"<br>5'-2 1/8"                 |  |
| WM392A<br>WM393A<br>WM394A | 2'-1 5/8"<br>2'-1 1/2"<br>2'-1 1/2"    | 4'-9 1/4"<br>4'-9"<br>4'-8 7/8"             |                     |     |            |            | 4'-9 1/4"<br>4'-9"<br>4'-8 7/8"        | 2'-6 5/8"<br>2'-6 1/2"<br>2'-6 1/2"    | 5'-1 7/8"<br>5'-1 3/4"<br>5'-1 1/2"    |  |
| WM394A<br>WM395A<br>WM396A | 2'-1 1/2"<br>2'-1 1/2"<br>2'-1 3/8"    |   |                     |     |            |            | 4'-8 7/8"<br>4'-8 5/8"<br>4'-8 3/8"    | 2'-6 1/2"<br>2'-6 1/2"<br>2'-6 3/8"    | 5'-1 1/2"<br>5'-1 1/4"<br>5'-1"        |  |
| WM397A<br>WM398A           | 2'-1 3/8"<br>2'-1 1/4"                 | ' 4'-8 1/8"<br>' 4'-8"                      |                     |     |            |            | 4'-8 1/8"<br>4'-8"                     | 2'-6 3/8"<br>2'-6 1/4"                 | 5'-0 7/8"<br>5'-0 5/8"                 |  |
| WM399A<br>WM400A           | 2'-1 1/4" 2'-1 1/8"                    | 4'-7 1/2"                                   |                     |     |            |            | 4'-7 3/4"<br>4'-7 1/2"                 | 2'-6 1/4"<br>2'-6 1/8"                 | 5'-0 3/8"<br>5'-0 1/8"                 |  |
| WM401A<br>WM402A<br>WM403A | 2'-1 1/8"<br>2'-1"<br>2'-1"            |   |                     |     |            |            | 4'-7 1/4"<br>4'-7"<br>4'-6 3/4"        | 2'-6 1/8"<br>2'-6"<br>2'-6"            | 4'-11 7/8"<br>4'-11 5/8"<br>4'-11 1/2" |  |
| WM403A<br>WM404A<br>WM405A | 2'-1"<br>2'-0 7/8"<br>2'-0 7/8"        |   |                     |     |            |            | 4'-6 3/4"<br>4'-6 1/2"<br>4'-6 3/8"    | 2'-6"<br>2'-5 7/8"<br>2'-5 7/8"        | 4'-11 1/2"<br>4'-11 1/4"<br>4'-11"     |  |
| WM406A<br>WM407A           | 2'-0 3/4"<br>2'-0 3/4"                 | 4'-6 1/8"                                   |                     |     |            |            | 4'-6 1/8"<br>4'-5 7/8"                 | 2'-5 3/4"<br>2'-5 3/4"                 | 4'-10 3/4"<br>4'-10 1/2"               |  |
| WM408A<br>WM409A           | 2'-0 5/8"<br>2'-0 5/8"                 | 4'-5 5/8"<br>4'-5 3/8"                      |                     |     |            |            | 4'-5 5/8"<br>4'-5 3/8"                 | 2'-5 5/8"<br>2'-5 5/8"                 | 4'-10 1/4"<br>4'-10"                   |  |
| WM410A<br>WM411A<br>WM412A | 2'-0 1/2"<br>2'-0 1/2"<br>2'-0 3/8"    |   |                     |     |            |            | 4'-5 1/8"<br>4'-4 7/8"<br>4'-4 5/8"    | 2'-5 1/2"<br>2'-5 1/2"<br>2'-5 3/8"    | 4'-9 3/4"<br>4'-9 1/2"<br>4'-9 1/4"    |  |
| WM413A<br>WM414A           | 2'-0 3/8"<br>2'-0 1/4"                 | 4'-4 3/8"                                   |                     |     |            |            | 4'-4 3/8"<br>4'-4 1/8"                 | 2'-5 3/8"<br>2'-5 1/4"                 | 4-9 1/4<br>4'-9"<br>4'-8 3/4"          |  |
| WM415A<br>WM416A           | 2'-0 1/4"<br>2'-0 1/8"                 |   |                     |     |            |            | 4'-3 3/4"<br>4'-3 1/2"                 | 2'-5 1/4"<br>2'-5 1/8"                 | 4'-8 1/2"<br>4'-8 1/4"                 |  |
| WM417A<br>WM418A           | 2'-0 1/8"<br>2'-0"                     |   |                     |     |            |            | 4'-3 1/4"<br>4'-3 1/8"                 | 2'-5 1/8"<br>2'-5"                     | 4'-8"<br>4'-7 3/4"                     |  |
| WM419A<br>WM420A           | 1'-11 7/8"                             | 4'-2 7/8"<br>4'-2 5/8"                      |                     |     |            |            | 4'-2 7/8"<br>4'-2 5/8"                 | 2'-4 7/8"<br>2'-4 7/8"                 | 4'-7 1/2"<br>4'-7 1/4"                 |  |
| WM421A<br>WM422A<br>WM423A | 1'-11 3/4"<br>1'-11 5/8"<br>1'-11 1/2" | 4'-2 3/8"<br>4'-2 1/8"<br>4'-1 7/8"         |                     |     |            |            | 4'-2 3/8"<br>4'-2 1/8"<br>4'-1 7/8"    | 2'-4 3/4"<br>2'-4 5/8"<br>2'-4 1/2"    | 4'-6 7/8"<br>4'-6 5/8"<br>4'-6 3/8"    |  |
| WM424A<br>WM425A           | 1'-11 1/2"<br>1'-11 3/8"               | 4-1 7/8<br>4'-1 5/8"<br>4'-1 3/8"           |                     |     |            |            | 4-1 7/8<br>4'-1 5/8"<br>4'-1 3/8"      | 2'-4 1/2"<br>2'-4 3/8"                 | 4'-6 1/8"<br>4'-5 7/8"                 |  |
| WM426A<br>WM427A           | 1'-11 1/4"<br>1'-11 1/4"               | ' 4'-1 1/8"<br>' 4'-0 7/8"                  |                     |     |            |            | 4'-1 1/8"<br>4'-0 7/8"                 | 2'-4 1/4"<br>2'-4 1/4"                 | 4'-5 5/8"<br>4'-5 1/4"                 |  |
| WM428A<br>WM429A           | 1'-11 1/8"                             | ' 4'-0 3/8"                                 |                     |     | _          |            | 4'-0 5/8"<br>4'-0 3/8"                 | 2'-4 1/8" 2'-4"                        | 4'-5"<br>4'-4 3/4"                     |  |
| WM430A<br>WM431A<br>WM432A | 1'-10 7/8"<br>1'-10 7/8"<br>1'-10 3/4" | ' 4'-0 1/8"<br>' 3'-11 3/4"<br>' 3'-11 1/2" |                     |     |            |            | 4'-0 1/8"<br>3'-11 3/4"<br>3'-11 1/2"  | 2'-3 7/8"<br>2'-3 7/8"<br>2'-3 3/4"    | 4'-4 1/2"<br>4'-4 1/4"<br>4'-3 7/8"    |  |
| WM432A<br>WM433A<br>WM434A | 1'-10 3/4"<br>1'-10 5/8"<br>1'-10 1/2" | 3'-11 1/4"                                  |                     |     |            |            | 3'-11 1/2"<br>3'-11 1/4"<br>3'-11"     | 2'-3 3/4"<br>2'-3 5/8"<br>2'-3 1/2"    | 4'-3 7/8"<br>4'-3 5/8"<br>4'-3 3/8"    |  |
| WM435A<br>WM436A           | 1'-10 1/2"<br>1'-10 3/8"               | 3'-10 3/4"<br>3'-10 1/2"                    |                     |     |            |            | 3'-10 3/4"<br>3'-10 1/2"               | 2'-3 1/2"<br>2'-3 3/8"                 | 4'-3"<br>4'-2 3/4"                     |  |
| WM437A<br>WM438A<br>WM439A | 1'-10 1/4"<br>1'-10 1/4"<br>1'-10 1/8" | ' 3'-9 7/8"                                 |                     |     |            |            | 3'-10 1/8"<br>3'-9 7/8"<br>3'-9 5/8"   | 2'-3 1/4"<br>2'-3 1/4"<br>2'-3 1/8"    | 4'-2 1/2"<br>4'-2 1/8"<br>4'-1 7/8"    |  |
| WM440A<br>WM441A           | 1'-10 1/8"<br>1'-10"<br>1'-9 7/8"      |   |                     |     |            |            | 3'-9 5/8"<br>3'-9 3/8"<br>3'-9"        | 2'-3 1/8"<br>2'-3"<br>2'-2 7/8"        | 4'-1 7/8"<br>4'-1 5/8"<br>4'-1 1/4"    |  |
| WM442A<br>WM443A           | 1'-9 7/8"<br>1'-9 3/4"                 | 3'-8 3/4"<br>3'-8 1/2"                      |                     |     |            |            | 3'-8 3/4"<br>3'-8 1/2"                 | 2'-2 7/8"<br>2'-2 3/4"                 | 4'-1"<br>4'-0 3/4"                     |  |
| WM444A<br>WM445A           | 1'-9 5/8"<br>1'-9 5/8"                 | 3'-8 1/8"                                   |                     |     |            |            | 3'-8 1/8"<br>3'-7 7/8"                 | 2'-2 5/8"<br>2'-2 5/8"                 | 4'-0 3/8"<br>4'-0 1/8"                 |  |
| WM446A<br>WM447A<br>WM448A | 1'-9 1/2"<br>1'-9 3/8"<br>1'-9 1/4"    | 3'-7 1/4"                                   |                     |     |            |            | 3'-7 5/8"<br>3'-7 1/4"<br>3'-7"        | 2'-2 1/2"<br>2'-2 3/8"<br>2'-2 1/4"    | 3'-11 3/4"<br>3'-11 1/2"<br>3'-11 1/8" |  |
| WM448A<br>WM449A<br>WM450A | 1'-9 1/4"<br>1'-9 1/4"<br>1'-9 1/8"    | 3'-6 5/8"                                   |                     |     |            |            | 3'-6 5/8"<br>3'-6 3/8"                 | 2'-2 1/4"<br>2'-2 1/4"<br>2'-2 1/8"    | 3'-11 1/8"<br>3'-10 7/8"<br>3'-10 1/2" |  |
| WM451A<br>WM452A           | 1'-9"<br>1'-8 7/8"                     | 3'-6 1/8"<br>3'-5 3/4"                      |                     |     |            |            | 3'-6 1/8"<br>3'-5 3/4"                 | 2'-2"<br>2'-1 7/8"                     | 3'-10 1/4"<br>3'-9 7/8"                |  |
| WM453A<br>WM454A           | 1'-8 7/8"<br>1'-8 3/4"                 |   |                     |     |            |            | 3'-5 1/2"<br>3'-5 1/8"                 | 2'-1 7/8"<br>2'-1 3/4"                 | 3'-9 5/8"<br>3'-9 1/4"                 |  |
| WM455A<br>WM456A<br>WM457A | 1'-8 5/8"<br>1'-8 1/2"<br>1'-8 3/8"    |   |                     |     |            |            | 3'-4 7/8"<br>3'-4 1/2"<br>3'-4 1/4"    | 2'-1 5/8"<br>2'-1 1/2"<br>2'-1 3/8"    | 3'-9"<br>3'-8 5/8"<br>3'-8 1/4"        |  |
| WM457A<br>WM458A<br>WM459A | 1'-8 3/8"<br>1'-8 3/8"<br>1'-8 1/4"    | 3'-3 7/8"                                   |                     |     |            |            | 3'-4 1/4"<br>3'-3 7/8"<br>3'-3 5/8"    | 2'-1 3/8"<br>2'-1 3/8"<br>2'-1 1/4"    | 3'-8 1/4"<br>3'-8"<br>3'-7 5/8"        |  |
| WM460A<br>WM461A           | 1'-8 1/8"<br>1'-8"                     | 3'-3 1/4"<br>3'-3"                          |                     |     |            |            | 3'-3 1/4"<br>3'-3"                     | 2'-1 1/8"<br>2'-1"                     | 3'-7 3/8"<br>3'-7"                     |  |
| WM462A<br>WM463A           | 1'-7 7/8"                              | 3'-2 3/8"                                   |                     |     |            |            | 3'-2 5/8"<br>3'-2 3/8"                 | 2'-0 7/8"<br>2'-0 7/8"                 | 3'-6 5/8"<br>3'-6 3/8"                 |  |
| WM464A<br>WM465A<br>WM466A | 1'-7 3/4"<br>1'-7 5/8"<br>1'-7 1/2"    | 3'-1 3/4"                                   |                     |     |            |            | 3'-2"<br>3'-1 3/4"<br>3'-1 3/8"        | 2'-0 3/4"<br>2'-0 5/8"<br>2'-0 1/2"    | 3'-6"<br>3'-5 5/8"<br>3'-5 1/4"        |  |
| WM467A<br>WM468A           | 1'-7 3/8"<br>1'-7 3/8"                 | 3'-1 3/8"<br>3'-1"<br>3'-0 3/4"             |                     |     |            |            | 3'-1 3/8"<br>3'-1"<br>3'-0 3/4"        | 2'-0 1/2"<br>2'-0 3/8"<br>2'-0 3/8"    | 3'-5 1/4"<br>3'-5"<br>3'-4 5/8"        |  |
| WM469A<br>WM470A           | 1'-7 1/4"<br>1'-7 1/8"                 | 3'-0 3/8"<br>3'-0"                          |                     |     |            |            | 3'-0 3/8"<br>3'-0"                     | 2'-0 1/4"<br>2'-0 1/8"                 | 3'-4 1/4"<br>3'-4"                     |  |
| WM471A<br>WM472A           | 1'-7"<br>1'-6 7/8"                     | 2'-11 3/8"                                  |                     |     |            |            | 2'-11 5/8"<br>2'-11 3/8"               | 2'-0"<br>1'-11 7/8"                    | 3'-3 5/8"<br>3'-3 1/4"                 |  |
| WM473A<br>WM474A<br>WM475A | 1'-6 7/8"<br>1'-6 3/4"<br>1'-6 5/8"    | 2'-10 5/8"                                  |                     |     |            |            | 2'-11"<br>2'-10 5/8"<br>2'-10 1/4"     | 1'-11 7/8"<br>1'-11 3/4"<br>1'-11 5/8" | 3'-2 7/8"<br>3'-2 1/2"<br>3'-2 1/8"    |  |
| WM475A<br>WM476A<br>WM477A | 1'-6 5/8"<br>1'-6 1/2"<br>1'-6 1/2"    | ' 2'-10"                                    |                     |     |            |            | 2'-10 1/4"<br>2'-10"<br>2'-9 1/2"      | 1'-11 5/8"<br>1'-11 1/2"<br>1'-11 1/2" | 3'-2 1/8"<br>3'-1 7/8"<br>3'-1 1/2"    |  |
| WM478A<br>WM479A           | 1'-6 3/8"<br>1'-6 3/8"                 | 2'-9 1/8"<br>2'-8 3/4"                      |                     |     |            |            | 2'-9 1/8"<br>2'-8 3/4"                 | 1'-11 3/8"<br>1'-11 3/8"               | 3'-1 1/8"<br>3'-0 3/4"                 |  |
| WM480A<br>WM481A           | 1'-6 3/8"<br>1'-6 1/4"                 | 2'-8 3/8"<br>2'-7 7/8"                      |                     |     |            |            | 2'-8 3/8"<br>2'-7 7/8"                 | 1'-11 3/8"<br>1'-11 1/4"               | 3'-0 3/8"<br>3'-0"                     |  |
| WM482A<br>WM483A<br>WM484A | 1'-6 1/4"<br>1'-6 1/8"<br>1'-6 1/8"    | 2'-7 1/8"                                   |                     |     |            |            | 2'-7 1/2"<br>2'-7 1/8"<br>2'-6 5/8"    | 1'-11 1/4"<br>1'-11 1/8"<br>1'-11 1/8" | 2'-11 5/8"<br>2'-11 1/4"<br>2'-10 7/8" |  |
| WM484A<br>WM485A<br>WM486A | 1'-6 1/8"<br>1'-6 1/8"<br>1'-6"        | 2'-6 1/4"                                   |                     |     |            |            | 2'-6 5/8"<br>2'-6 1/4"<br>2'-5 7/8"    | 1'-11 1/8"<br>1'-11 1/8"<br>1'-11"     | 2'-10 7/8"<br>2'-10 1/2"<br>2'-10 1/8" |  |
| WM487A<br>WM488A           | 1'-6"<br>1'-5 7/8"                     | 2'-5 3/8"<br>2'-4 7/8"                      |                     |     |            |            | 2'-5 3/8"<br>2'-4 7/8"                 | 1'-11"<br>1'-10 7/8"                   | 2'-9 3/4"<br>2'-9 3/8"                 |  |
| WM489A<br>WM490A           | 1'-5 7/8"<br>1'-5 3/4"                 | 2'-3 3/4"                                   |                     |     |            |            | 2'-4 1/4" 2'-3 3/4"                    | 1'-10 7/8"<br>1'-10 3/4"               | 2'-9"<br>2'-8 5/8"                     |  |
| WM491A<br>WM492A<br>WM493A | 1'-5 3/4"<br>1'-5 5/8"<br>1'-5 1/2"    | 2'-2 1/2"                                   |                     |     |            |            | 2'-3 1/8"<br>2'-2 1/2"<br>2'-2"        | 1'-10 5/8"<br>1'-10 5/8"<br>1'-10 1/2" | 2'-8 1/4"<br>2'-7 7/8"<br>2'-7 1/2"    |  |
| WM494A<br>WM495A           | 1'-5 1/2"<br>1'-5 3/8"<br>1'-5 1/4"    | 2'-1 3/8"                                   |                     |     |            |            | 2'-1 3/8"<br>2'-0 7/8"                 | 1'-10 1/2"<br>1'-10 3/8"<br>1'-10 1/4" | 2'-7 1/2"<br>2'-7 1/8"<br>2'-6 3/4"    |  |
| WM496A<br>WM497A           | 1'-5 1/8"<br>1'-5 1/8"                 | 2'-0 1/4"<br>1'-11 5/8"                     |                     |     |            |            | 2'-0 1/4"<br>1'-11 5/8"                | 1'-10 1/8"<br>1'-10 1/8"               | 2'-6 3/8"<br>2'-6"                     |  |
| WM498A<br>WM499A           | 1'-5"                                  | 1'-10 1/2"                                  |                     |     |            |            | 1'-11 1/8"                             |  | 2'-5 5/8"<br>2'-5 1/4"                 |  |
| WM500A<br>WM501A<br>WM502A | 1'-4 3/4"<br>1'-4 5/8"                 | 1'-9 3/8"                                   |                     |     |            |            | 1'-10"<br>1'-9 3/8"<br>1'-8 7/8"       | 1'-9 3/4"<br>1'-9 5/8"<br>1'-9 5/8"    | 2'-4 3/4"<br>2'-4 3/8"<br>2'-4"        |  |
| WM502A<br>WM503A<br>WM504A | 1'-4 5/8"<br>1'-4 1/2"<br>1'-4 3/8"    | 1'-8 1/4"                                   |                     |     |            |            | 1'-8 7/8"<br>1'-8 1/4"<br>1'-7 5/8"    | 1'-9 5/8"<br>1'-9 1/2"<br>1'-9 3/8"    | 2'-4"<br>2'-3 5/8"<br>2'-3 1/4"        |  |
| WM505A<br>WM506A           | 1'-4 1/4"<br>1'-4 1/8"                 | 1'-7 1/8"<br>1'-6 1/2"                      |                     |     |            |            | 1'-7 1/8"<br>1'-6 1/2"                 | 1'-9 1/4"<br>1'-9 1/8"                 | 2'-2 3/4"<br>2'-2 3/8"                 |  |
| WM507A<br>WM508A           | 1'-4"<br>1'-4"                         | 1'-6"<br>1'-5 3/8"                          |                     |     |            |            | 1'-6"<br>1'-5 3/8"                     | 1'-9"<br>1'-9"                         | 2'-2"<br>2'-1 5/8"                     |  |
| WM509A<br>WM510A           | 1'-3 7/8"<br>1'-3 3/4"                 | 1'-4 1/4"                                   |                     |     |            |            | 1'-4 3/4"<br>1'-4 1/4"                 | 1'-8 7/8"<br>1'-8 3/4"                 | 2'-1 1/8"<br>2'-0 3/4"                 |  |
| WM511A<br>WM512A<br>WM513A | 1'-3 5/8"<br>1'-3 1/2"<br>1'-3 1/2"    | 1'-3 1/8"                                   |                     |     |            |            | 1'-3 5/8"<br>1'-3 1/8"<br>1'-2 1/2"    | 1'-8 5/8"<br>1'-8 1/2"<br>1'-8 1/2"    | 2'-0 3/8"<br>1'-11 7/8"<br>1'-11 1/2"  |  |
| WM514A<br>WM515A           | 1'-3 1/2<br>1'-3 3/8"<br>1'-3 1/8"     | ' 1'-2"                                     |                     |     |            |            | 1'-2"<br>1'-2"<br>1'-1 1/2"            | 1'-8 3/8"<br>1'-8 1/8"                 | 1'-11 1/8"<br>1'-10 5/8"               |  |
| WM516A<br>WM517A           | 1'-3"                                  | 1'-0 7/8"                                   |                     |     |            |            | 1'-0 7/8"<br>1'-0 3/8"                 | 1'-8"<br>1'-7 7/8"                     | 1'-10 1/4"<br>1'-9 7/8"                |  |

# **WEST BRIDGE - MIDDLE 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> | H04V |
|-----------|-------------|------------|-------------|------------|------------|------------|-------------|------------|-------------|------|
|           |             |            |             |            |            |            |             |            |             |      |
| 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"   |      |

GBA

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OGE PLANS

View High Dr, View High Pkwy, Riv Lee's Summit, MO

### 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 BREAK 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 BREAK ANGLES d. ANCHORAGE LOCATIONS

e. RAIL HORIZONTAL LOCATIONS

RAIL VERT TYPE LEGEND

RAIL VERT TYPE NOTES

DURING SHOP ASSEMBLY.

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

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.

"#" 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

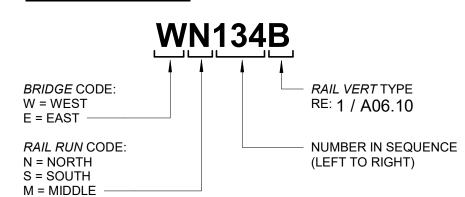
H0#V - RAIL HORIZONTAL VERTICAL DISTANCE TO BASELINE ELEVATION

A0# - ANGLE BETWEEN ADJACENT RAIL VERT SEGMENTS

AN01 - CENTERLINE OF ANCHORAGE

ANV - ANCHORAGE VERTICAL DISTANCE TO BASELINE ELEVATION

### RAIL VERT ID LOGIC



| REV | DATE | DESCRIPTION |
|-----|------|-------------|
|     |      |             |
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PROJECT NUMBER 12720.62

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ISSUE FOR CONSTRUCTION

DESIGNED: NJC
DRAWN: NJC
REVIEWED: CLR
SHEET TITLE
SCHEDULE - WEST BRIDGE

RAIL VERTS - MIDDLE RAIL

RUN

A06.13

SHEET NUMBER