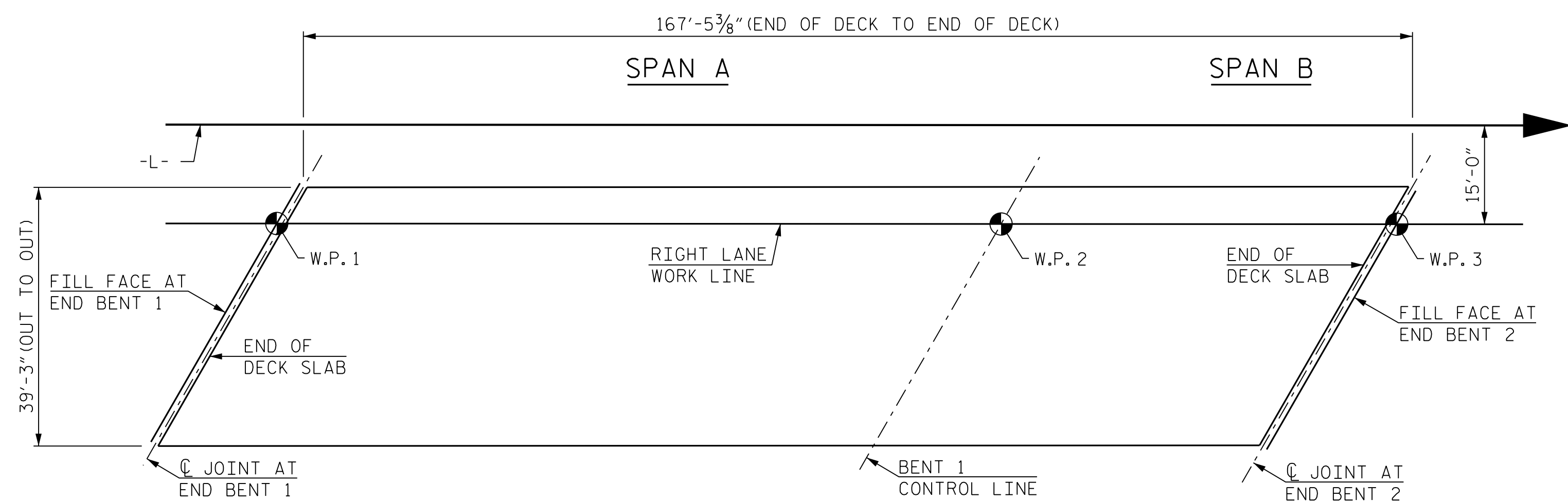
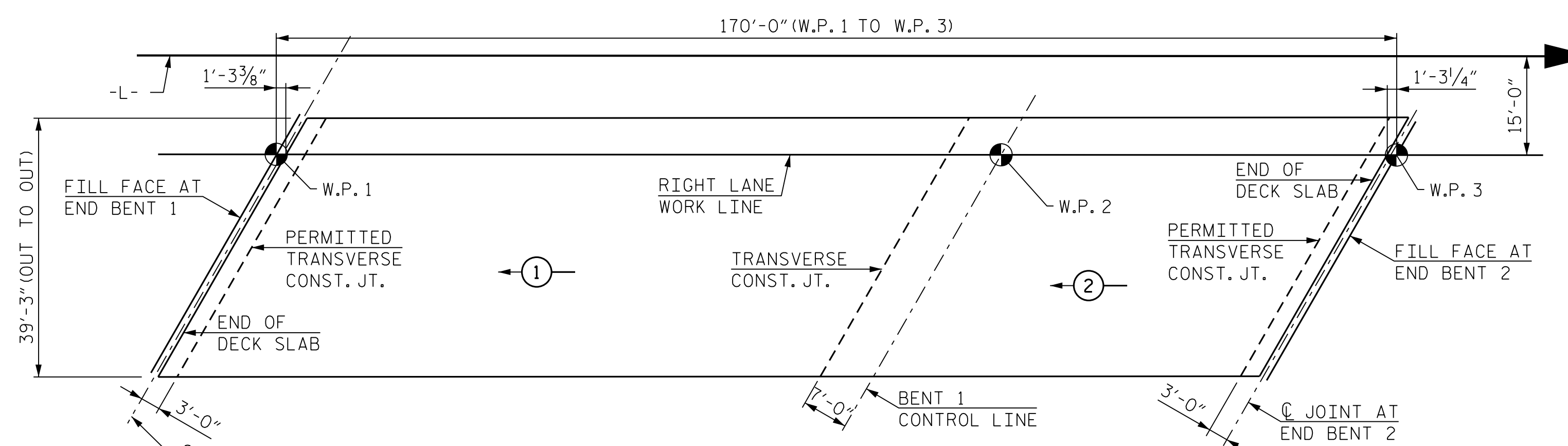


11/10/2023 R:\Structures\BRIDGE\RightBridge\GNV\FINAL\R2577A\_SMU\_BM\_330815.dgn

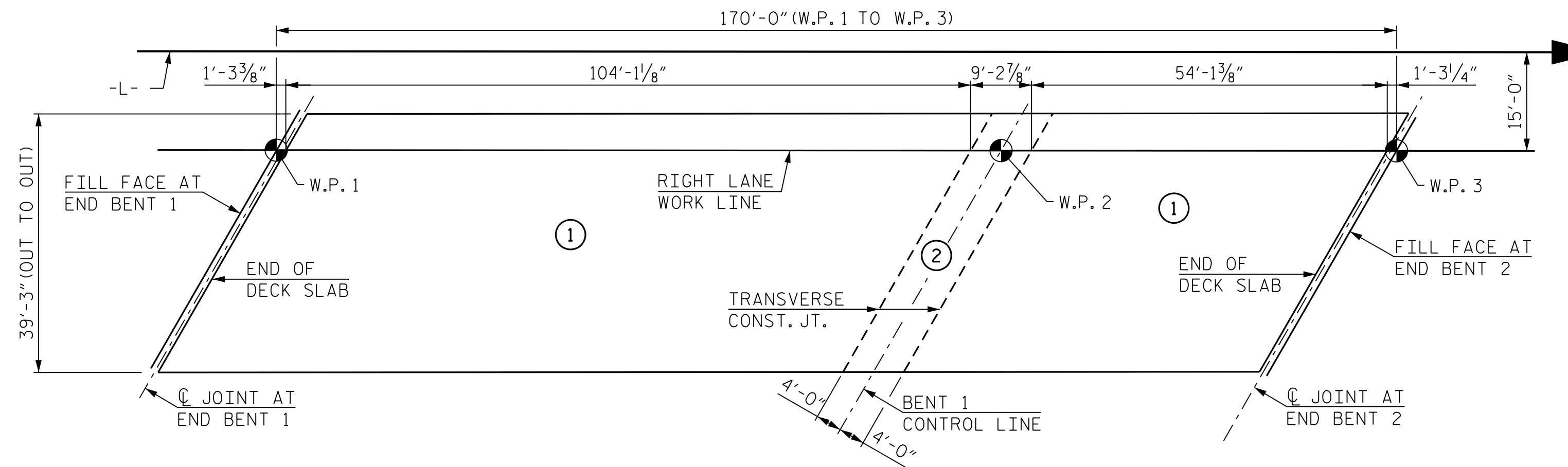


LAYOUT FOR COMPUTING AREA REINFORCED CONCRETE DECK SLAB (SQ. FT. = 6,573)



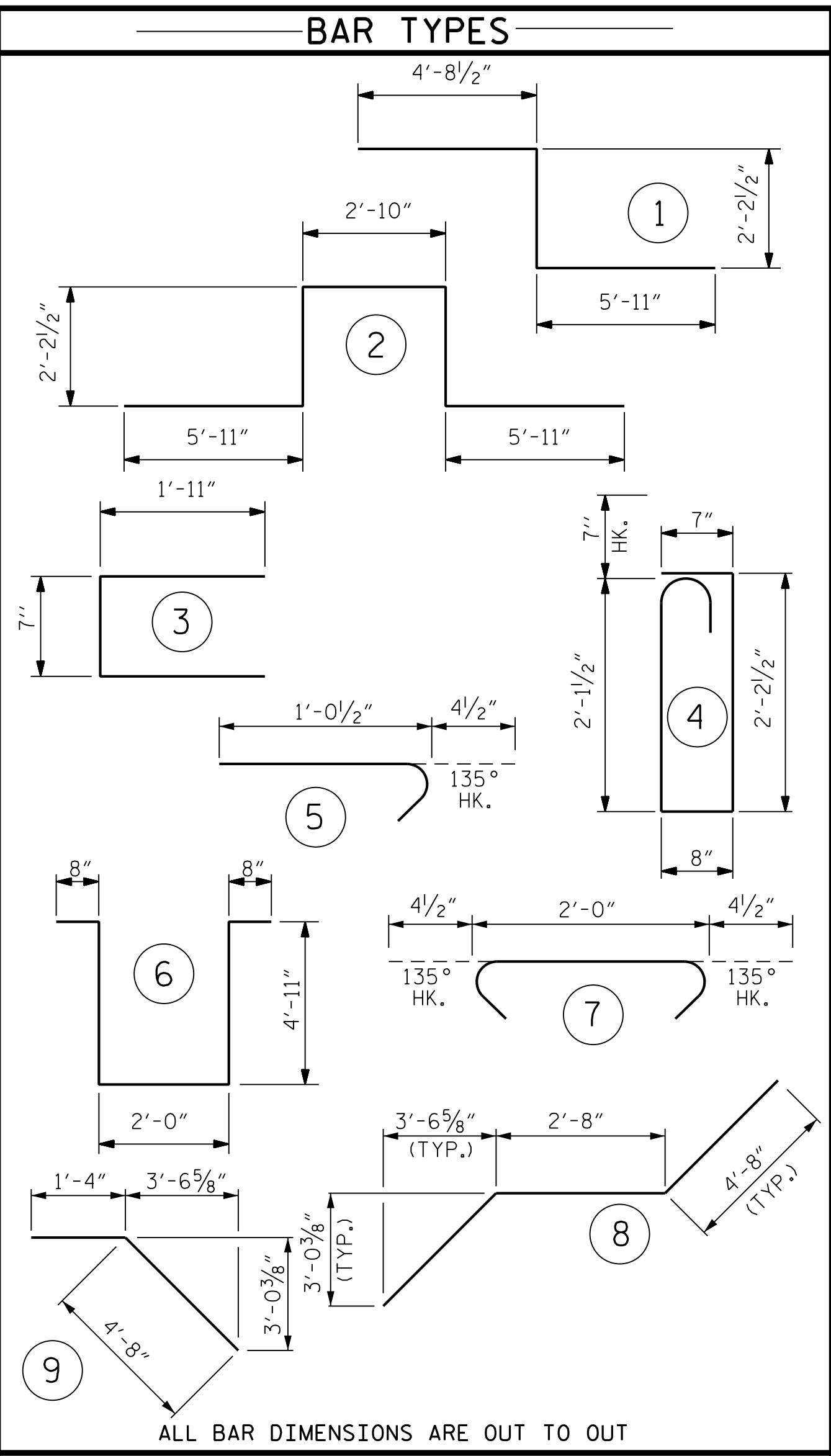
POURING SEQUENCE

⊙ INDICATES POUR NUMBER AND DIRECTION OF POUR



OPTIONAL POURING SEQUENCE

| REINFORCING BAR SCHEDULE |     |      |      |         |        |      |     |      |      |         |        |
|--------------------------|-----|------|------|---------|--------|------|-----|------|------|---------|--------|
| SPANS A AND B            |     |      |      |         |        |      |     |      |      |         |        |
| BAR                      | NO. | SIZE | TYPE | LENGTH  | WEIGHT | BAR  | NO. | SIZE | TYPE | LENGTH  | WEIGHT |
| * A1                     | 267 | #5   | STR. | 38'-11" | 10,838 | A213 | 2   | #5   | STR. | 12'-1"  | 25     |
| * A101                   | 2   | #5   | STR. | 1'-11"  | 4      | A214 | 2   | #5   | STR. | 13'-1"  | 27     |
| * A102                   | 2   | #5   | STR. | 2'-4"   | 5      | A215 | 2   | #5   | STR. | 14'-0"  | 29     |
| * A103                   | 2   | #5   | STR. | 2'-9"   | 6      | A216 | 2   | #5   | STR. | 14'-11" | 31     |
| * A104                   | 2   | #5   | STR. | 3'-8"   | 8      | A217 | 2   | #5   | STR. | 15'-10" | 33     |
| * A105                   | 2   | #5   | STR. | 4'-7"   | 10     | A218 | 2   | #5   | STR. | 16'-10" | 35     |
| * A106                   | 2   | #5   | STR. | 5'-7"   | 12     | A219 | 2   | #5   | STR. | 17'-9"  | 37     |
| * A107                   | 2   | #5   | STR. | 6'-6"   | 14     | A220 | 2   | #5   | STR. | 18'-8"  | 39     |
| * A108                   | 2   | #5   | STR. | 7'-5"   | 15     | A222 | 2   | #5   | STR. | 20'-7"  | 43     |
| * A109                   | 2   | #5   | STR. | 8'-4"   | 17     | A223 | 2   | #5   | STR. | 21'-6"  | 45     |
| * A110                   | 2   | #5   | STR. | 9'-4"   | 19     | A224 | 2   | #5   | STR. | 19'-7"  | 41     |
| * A111                   | 2   | #5   | STR. | 10'-3"  | 21     | A225 | 2   | #5   | STR. | 22'-5"  | 47     |
| * A112                   | 2   | #5   | STR. | 11'-2"  | 23     | A226 | 2   | #5   | STR. | 23'-5"  | 49     |
| * A113                   | 2   | #5   | STR. | 12'-1"  | 25     | A227 | 2   | #5   | STR. | 24'-4"  | 51     |
| * A114                   | 2   | #5   | STR. | 13'-1"  | 27     | A228 | 2   | #5   | STR. | 25'-3"  | 53     |
| * A115                   | 2   | #5   | STR. | 14'-0"  | 29     | A229 | 2   | #5   | STR. | 26'-2"  | 55     |
| * A116                   | 2   | #5   | STR. | 14'-11" | 31     | A230 | 2   | #5   | STR. | 27'-2"  | 57     |
| * A117                   | 2   | #5   | STR. | 15'-10" | 33     | A231 | 2   | #5   | STR. | 28'-1"  | 59     |
| * A118                   | 2   | #5   | STR. | 16'-10" | 35     | A232 | 2   | #5   | STR. | 29'-0"  | 60     |
| * A119                   | 2   | #5   | STR. | 17'-9"  | 37     | A233 | 2   | #5   | STR. | 29'-11" | 62     |
| * A120                   | 2   | #5   | STR. | 18'-8"  | 39     | A234 | 2   | #5   | STR. | 30'-11" | 64     |
| * A121                   | 2   | #5   | STR. | 19'-7"  | 41     | A235 | 2   | #5   | STR. | 31'-10" | 66     |
| * A122                   | 2   | #5   | STR. | 20'-7"  | 43     | A236 | 2   | #5   | STR. | 32'-9"  | 68     |
| * A123                   | 2   | #5   | STR. | 21'-6"  | 45     | A237 | 2   | #5   | STR. | 33'-8"  | 70     |
| * A124                   | 2   | #5   | STR. | 22'-5"  | 47     | A238 | 2   | #5   | STR. | 34'-8"  | 72     |
| * A125                   | 2   | #5   | STR. | 23'-5"  | 49     | A239 | 2   | #5   | STR. | 35'-7"  | 74     |
| * A126                   | 2   | #5   | STR. | 24'-4"  | 51     | A240 | 2   | #5   | STR. | 36'-6"  | 76     |
| * A127                   | 2   | #5   | STR. | 25'-3"  | 53     | A241 | 2   | #5   | STR. | 37'-5"  | 78     |
| * A128                   | 2   | #5   | STR. | 26'-2"  | 55     |      |     |      |      |         |        |
| * A129                   | 2   | #5   | STR. | 27'-2"  | 57     | * B1 | 64  | #4   | STR. | 37'-4"  | 1,596  |
| * A130                   | 2   | #5   | STR. | 28'-1"  | 59     | * B2 | 32  | #6   | STR. | 60'-0"  | 2,884  |
| * A131                   | 2   | #5   | STR. | 29'-0"  | 60     | * B3 | 32  | #4   | STR. | 38'-6"  | 823    |
| * A132                   | 2   | #5   | STR. | 29'-11" | 62     | * B4 | 31  | #6   | STR. | 25'-6"  | 1,187  |
| * A133                   | 2   | #5   | STR. | 30'-11" | 64     | B5   | 132 | #5   | STR. | 57'-4"  | 7,893  |
| * A134                   | 2   | #5   | STR. | 31'-10" | 66     |      |     |      |      |         |        |
| * A135                   | 2   | #5   | STR. | 32'-9"  | 68     | * G1 | 2   | #5   | STR. | 44'-11" | 94     |
| * A136                   | 2   | #5   | STR. | 33'-8"  | 70     |      |     |      |      |         |        |
| * A137                   | 2   | #5   | STR. | 34'-8"  | 72     | * J1 | 84  | #4   | 5    | 1'-5"   | 79     |
| * A138                   | 2   | #5   | STR. | 35'-7"  | 74     |      |     |      |      |         |        |
| * A139                   | 2   | #5   | STR. | 36'-6"  | 76     | * K1 | 24  | #6   | STR. | 7'-3"   | 261    |
| * A140                   | 2   | #5   | STR. | 37'-5"  | 78     | * K2 | 8   | #8   | 1    | 12'-10" | 274    |
| * A141                   | 2   | #5   | STR. | 38'-5"  | 80     | * K3 | 12  | #8   | 2    | 19'-1"  | 611    |
| A2                       | 267 | #5   | STR. | 38'-11" | 10,838 | * K4 | 15  | #4   | 8    | 12'-0"  | 120    |
| A201                     | 2   | #5   | STR. | 1'-11"  | 4      | K5   | 8   | #4   | STR. | 7'-3"   | 39     |
| A202                     | 2   | #5   | STR. | 2'-4"   | 5      | K6   | 24  | #4   | STR. | 7'-7"   | 122    |
| A203                     | 2   | #5   | STR. | 2'-9"   | 6      | K7   | 8   | #4   | STR. | 6'-8"   | 36     |
| A204                     | 2   | #5   | STR. | 3'-8"   | 8      | * S1 | 64  | #4   | 3    | 4'-5"   | 189    |
| A205                     | 2   | #5   | STR. | 4'-7"   | 10     | * S2 | 64  | #5   | 4    | 6'-2"   | 412    |
| A206                     | 2   | #5   | STR. | 5'-7"   | 12     | S3   | 128 | #4   | 7    | 2'-9"   | 235    |
| A207                     | 2   | #5   | STR. | 6'-6"   | 14     |      |     |      |      |         |        |
| A208                     | 2   | #5   | STR. | 7'-5"   | 15     | U1   | 32  | #4   | 6    | 13'-2"  | 281    |
| A209                     | 2   | #5   | STR. | 8'-4"   | 17     |      |     |      |      |         |        |
| A210                     | 2   | #5   | STR. | 9'-4"   | 19     |      |     |      |      |         |        |
| A211                     | 2   | #5   | STR. | 10'-3"  | 21     |      |     |      |      |         |        |
| A212                     | 2   | #5   | STR. | 11'-2"  | 23     |      |     |      |      |         |        |



ALL BAR DIMENSIONS ARE OUT TO OUT

| SUPERSTRUCTURE BILL OF MATERIAL |                   |                   |                                |
|---------------------------------|-------------------|-------------------|--------------------------------|
|                                 | CLASS AA CONCRETE | REINFORCING STEEL | EPOXY COATED REINFORCING STEEL |
|                                 | ( CU. YDS. )      | ( LBS. )          | ( LBS. )                       |
| POUR #1                         | 139.1             |                   |                                |
| POUR #2                         | 112.4             |                   |                                |
| TOTALS**                        | 251.5             | 21,285            | 20,930                         |

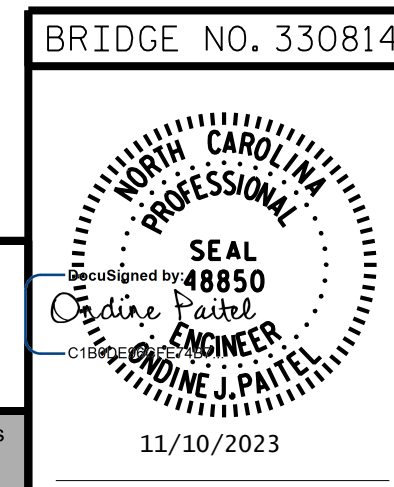
\*\*QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED

| GROOVING BRIDGE FLOORS |       |        |
|------------------------|-------|--------|
| APPROACH SLABS         | 1,580 | SO.FT. |
| BRIDGE DECK            | 5,493 | SO.FT. |
| TOTAL                  | 7,073 | SO.FT. |

PROJECT NO. R-2577A  
 FORSYTH COUNTY  
 STATION: 140+39.50 -L-

SUPERSTRUCTURE REINFORCING STEEL LENGTHS ARE BASED ON THE FOLLOWING MINIMUM SPLICE LENGTHS

| BAR SIZE | SUPERSTRUCTURE EXCEPT APPROACH SLABS, PARAPETS, AND BARRIER RAILS |          | APPROACH SLABS |          | PARAPETS AND BARRIER RAILS |
|----------|---|----------|----------------|----------|----------------------------|
|          | EPOXY COATED  | UNCOATED | EPOXY COATED   | UNCOATED |                            |
| #4       | 1'-11"  | 1'-7"    | 1'-11"         | 1'-7"    | 2'-6"                      |
| #5       | 2'-5"   | 2'-0"    | 2'-5"          | 2'-0"    | 3'-1"                      |
| #6       | 2'-10"  | 2'-5"    | 3'-7"          | 2'-5"    | 3'-8"                      |
| #7       | 4'-2"   | 2'-9"    |                |          |                            |
| #8       | 4'-9"   | 3'-2"    |                |          |                            |



STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 SUPERSTRUCTURE  
 BILL OF MATERIALS  
 RIGHT LANE

| REVISIONS |     |       |     | SHEET NO. |       |
|-----------|-----|-------|-----|-----------|-------|
| NO.       | BY: | DATE: | NO. | BY:       | DATE: |
| 1         |     |       | 3   |           |       |
| 2         |     |       | 4   |           |       |

DRAWN BY : T.K. BOYD DATE : SEP 2023  
 CHECKED BY : L.K. AUSTIN DATE : SEP 2023  
 DESIGN ENGINEER OF RECORD : O.J. PAITEL DATE : SEP 2023

TOTAL SHEETS 34