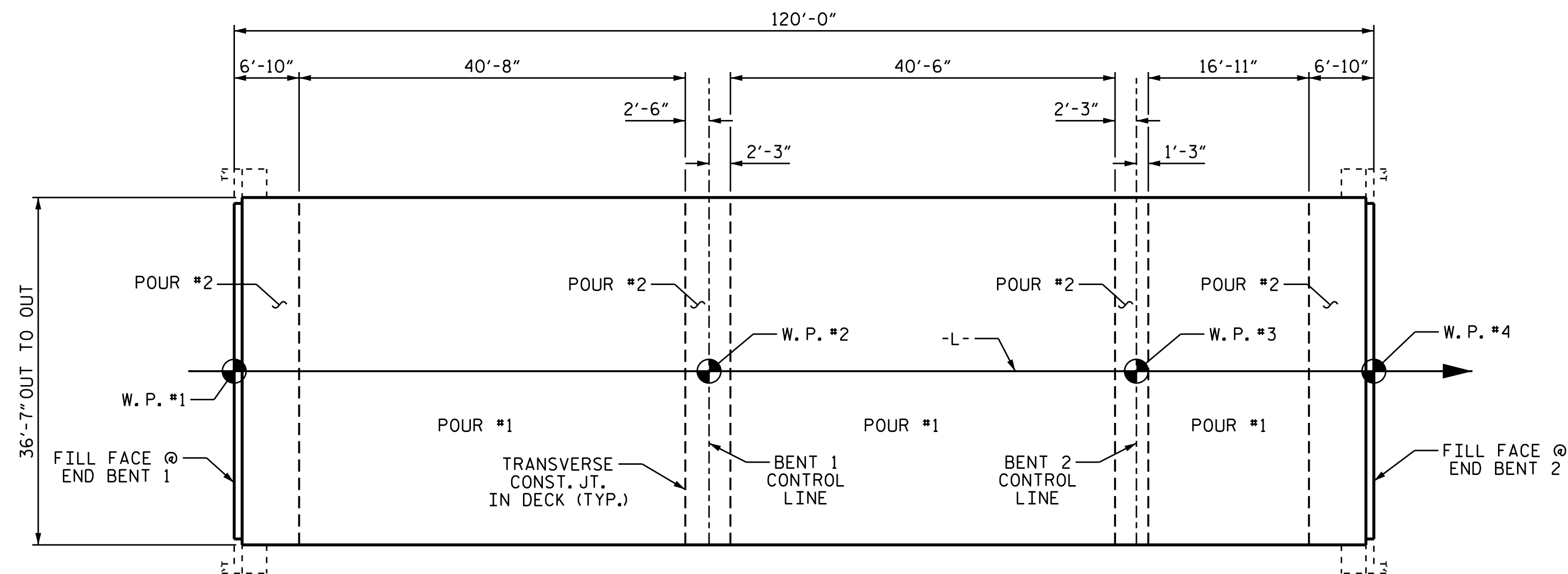
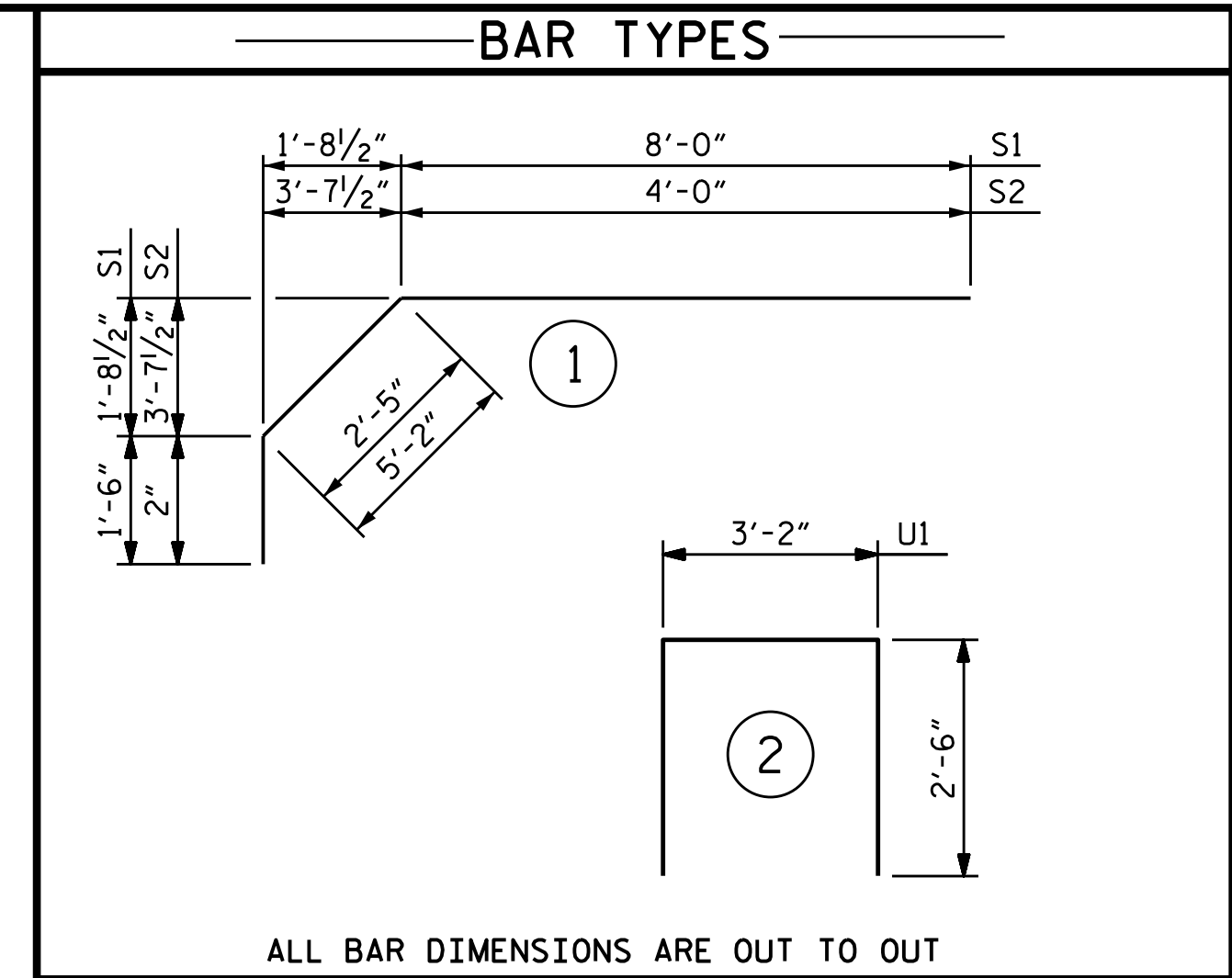


**SUPERSTRUCTURE REINFORCING STEEL LENGTHS ARE BASED ON THE FOLLOWING MINIMUM SPLICE LENGTHS**

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

**BILL OF MATERIAL**

| BAR                                     | NO. | SIZE | TYPE | LENGTH  | WEIGHT |
|---|-----|------|------|---------|--------|
| * A1                                    | 258 | #5   | STR  | 36'-2"  | 9732   |
| * A2                                    | 158 | #4   | STR  | 3'-2"   | 334    |
| * B1                                    | 24  | #5   | STR  | 41'-0"  | 1026   |
| * B2                                    | 97  | #6   | STR  | 9'-10"  | 1433   |
| * B3                                    | 49  | #4   | STR  | 23'-2"  | 758    |
| * B4                                    | 98  | #6   | STR  | 46'-0"  | 6771   |
| * B5                                    | 48  | #6   | STR  | 10'-9"  | 775    |
| * B6                                    | 48  | #6   | STR  | 9'-6"   | 685    |
| * B7                                    | 48  | #6   | STR  | 4'-10"  | 348    |
| * K1                                    | 16  | #4   | STR  | 18'-7"  | 199    |
| * K2                                    | 6   | #4   | STR  | 8'-2"   | 33     |
| * K3                                    | 12  | #4   | STR  | 9'-0"   | 72     |
| * K4                                    | 6   | #4   | STR  | 8'-8"   | 35     |
| * K5                                    | 4   | #4   | STR  | 2'-2"   | 6      |
| * K6                                    | 8   | #4   | STR  | 2'-7"   | 14     |
| * K7                                    | 4   | #4   | STR  | 2'-5"   | 6      |
| * S1                                    | 66  | #4   | 1    | 11'-11" | 525    |
| * S2                                    | 66  | #4   | 1    | 9'-4"   | 411    |
| * U1                                    | 66  | #4   | 2    | 8'-2"   | 360    |
| * EPOXY COATED REINF. STEEL = 23523 LBS |     |      |      |         |        |



**LAYOUT FOR COMPUTING AREA REINFORCED CONCRETE DECK SLAB & POURING SEQUENCE**  
(SQ. FT. = 4329)

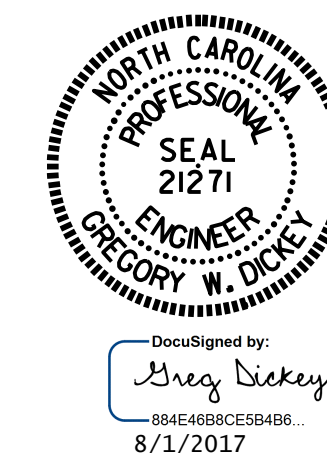
**SUPERSTRUCTURE BILL OF MATERIAL**

|                 | CLASS AA CONCRETE<br>( CU. YDS. ) | EPOXY COATED REINFORCING STEEL<br>( LBS. ) |
|-----------------|-----------------------------------|--|
| POUR #1         | 78.5                              | —  |
| POUR #2         | 49.4                              | —  |
| <b>TOTALS**</b> | <b>127.9</b>                      | <b>23523</b>                               |

\*\* QUANTITIES FOR CONCRETE PARAPET ARE NOT INCLUDED.

**GROOVING BRIDGE FLOORS**

|                |             |               |
|----------------|-------------|---------------|
| APPROACH SLABS | 692         | SO.FT.        |
| BRIDGE DECK    | 3658        | SO.FT.        |
| <b>TOTAL</b>   | <b>4350</b> | <b>SO.FT.</b> |



PROJECT NO. B-5236  
NEW HANOVER COUNTY  
STATION: 15+64.40 -L-

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

**STANDARD SUPERSTRUCTURE BILL OF MATERIAL**

| REVISIONS |     |       |     |     |       | SHEET NO.    |
|-----------|-----|-------|-----|-----|-------|--------------|
| NO.       | BY: | DATE: | NO. | BY: | DATE: | S-24         |
| 1         |     |       | 3   |     |       | TOTAL SHEETS |
| 2         |     |       | 4   |     |       | 35           |

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

|   |
|---|
| DESIGN ENGINEER OF RECORD:<br><u>A. K. PAIEL</u> DATE: <u>06/17</u> |
| ASSEMBLED BY: <u>William J. Parker</u> DATE: <u>07/16</u>           |
| CHECKED BY: <u>J. P. ADAMS</u> DATE: <u>09/16</u>                   |
| DRAWN BY: <u>JMB</u> 5/87 REV. 8/16/99 RWW/LES                      |
| CHECKED BY: <u>SJD</u> 9/87 REV. 5/1/06 TLA/GM                      |
| REV. 10/1/11 MAA/GM   |