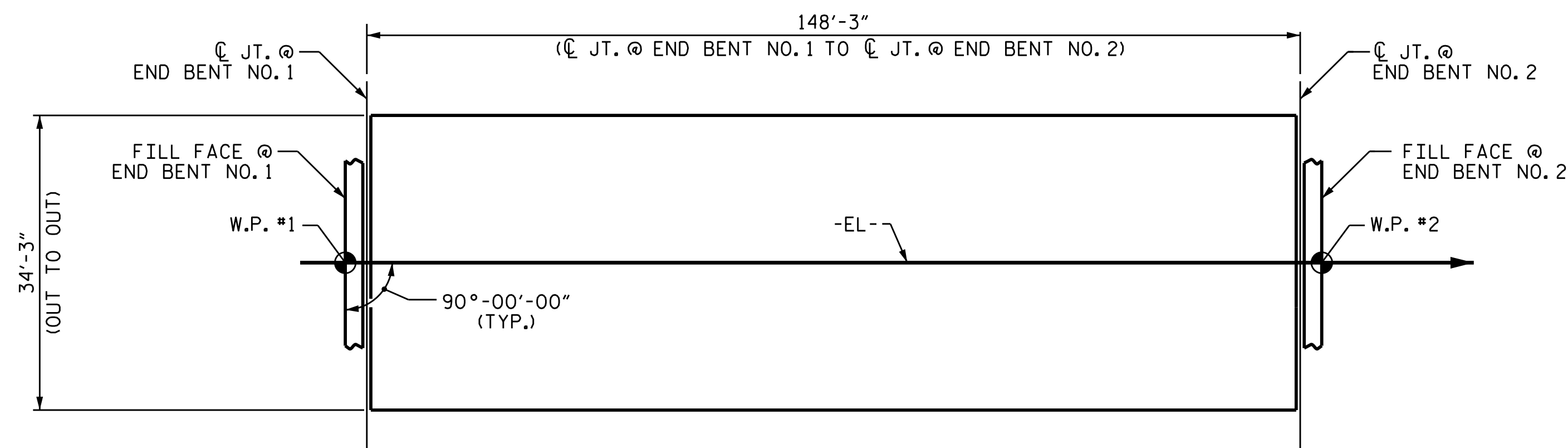
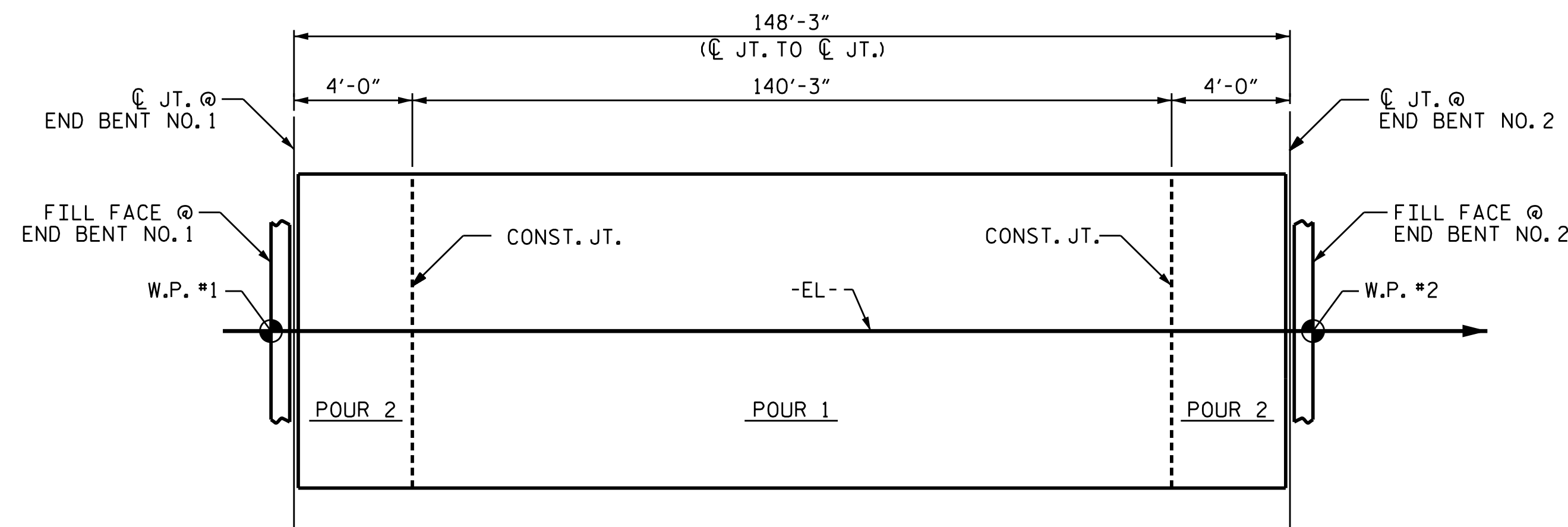


TRANSVERSE CONSTRUCTION JOINT DETAIL

NOTE: REINFORCING STEEL IN SLAB NOT SHOWN. LONGITUDINAL REINFORCING STEEL SHALL BE CONTINUOUS THRU JOINT

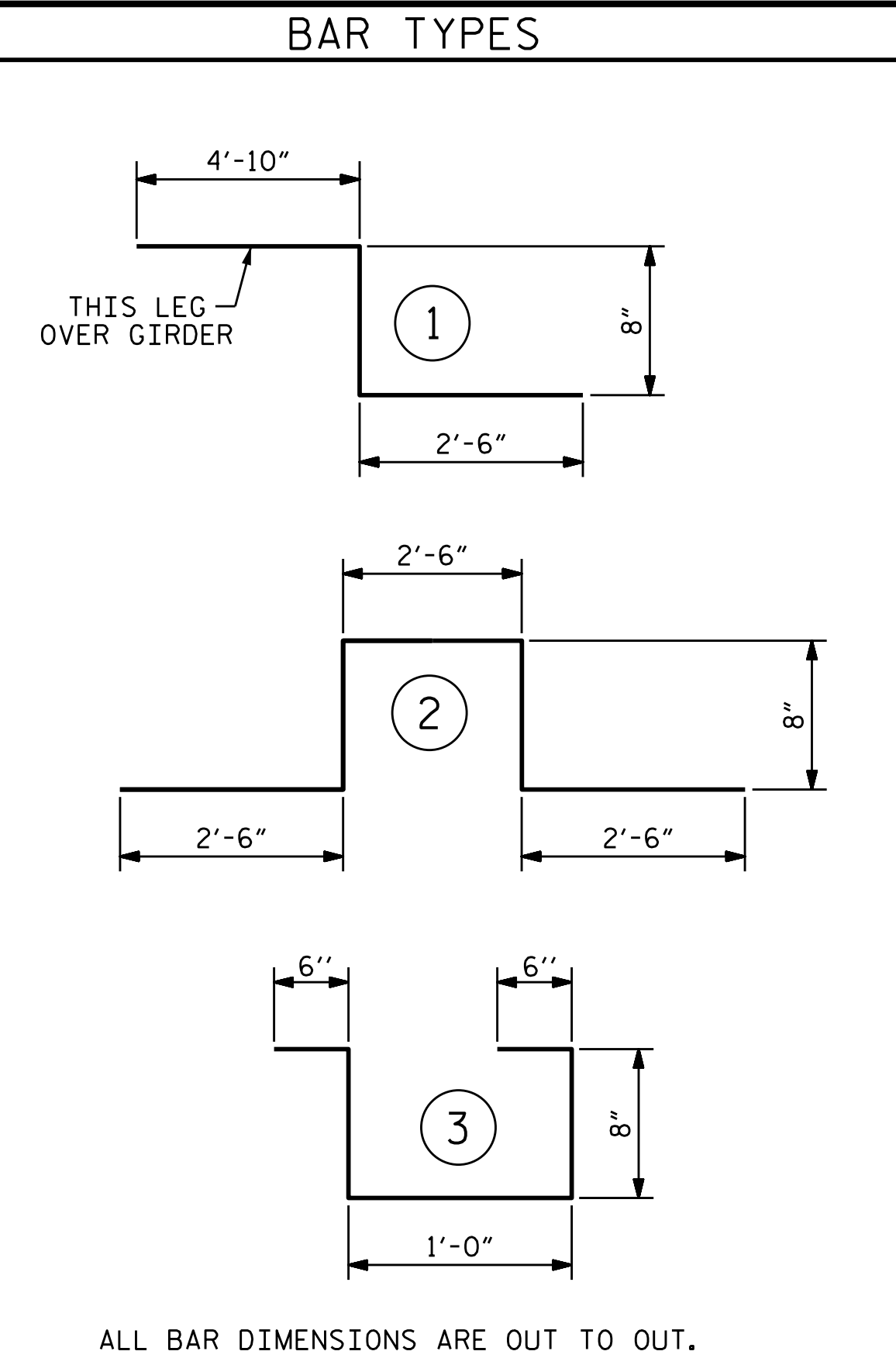


LAYOUT FOR COMPUTING AREA REINFORCED CONCRETE DECK SLAB (SQ. FT. = 5,078)



POUR SEQUENCE

| BILL OF MATERIAL | | | | | |
|----------------------------------|-----|------|------|---------|--------|
| BAR | NO. | SIZE | TYPE | LENGTH | WEIGHT |
| * A1 | 296 | #5 | STR | 33'-11" | 10,471 |
| A2 | 296 | #5 | STR | 33'-11" | 10,471 |
| * B1 | 100 | #4 | STR | 38'-5" | 2566 |
| B2 | 114 | #5 | STR | 50'-8" | 6024 |
| * G1 | 2 | #5 | STR | 33'-11" | 71 |
| * K1 | 8 | #5 | 1 | 8'-0" | 67 |
| * K2 | 8 | #5 | 2 | 8'-10" | 74 |
| * K3 | 12 | #5 | STR | 8'-6" | 106 |
| * S1 | 42 | #4 | 3 | 3'-4" | 94 |
| REINFORCING STEEL | | | | LBS. | 16,495 |
| * EPOXY COATED REINFORCING STEEL | | | | LBS. | 13,449 |



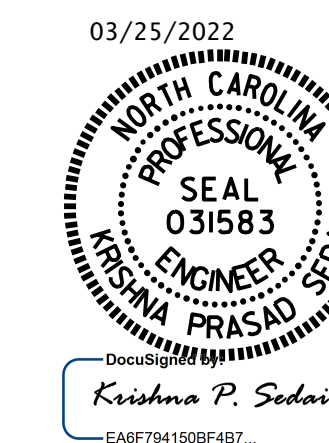
ALL BAR DIMENSIONS ARE OUT TO OUT.

| —SUPERSTRUCTURE BILL OF MATERIAL— | | | |
|-----------------------------------|-------------------|-------------------|--------------------------------|
| | CLASS AA CONCRETE | REINFORCING STEEL | EPOXY COATED REINFORCING STEEL |
| | (CU. YDS.) | (LBS.) | (LBS.) |
| POUR #1 | 152.1 | | |
| POUR #2 | 9.7 | 16,495 | 13,449 |
| TOTALS | 161.8 | 16,495 | 13,449 |

| 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" | | | |

| GROOVING BRIDGE FLOORS | |
|------------------------|--------------|
| APPROACH SLABS | 1,380 SQ.FT. |
| BRIDGE DECK | 4,265 SQ.FT. |
| TOTAL | 5,645 SQ.FT. |

PROJECT NO. B-5772
ROWAN COUNTY
 STATION: 20+91.04 -EL-



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUPERSTRUCTURE
 BILL OF MATERIAL

DRAWN BY : M. G. SHAIKH DATE: 02/2021
 CHECKED BY : A. SORSENGINH DATE: 05/2021
 DESIGN ENGINEER OF RECORD : A. SORSENGINH DATE: 05/2021

| REVISIONS | | | | | | SHEET NO. S-17 |
|-----------|-----|-------|-----|-----|-------|--------------------|
| NO. | BY: | DATE: | NO. | BY: | DATE: | |
| 1 | | | 3 | | | TOTAL SHEETS 25 |
| 2 | | | 4 | | | |