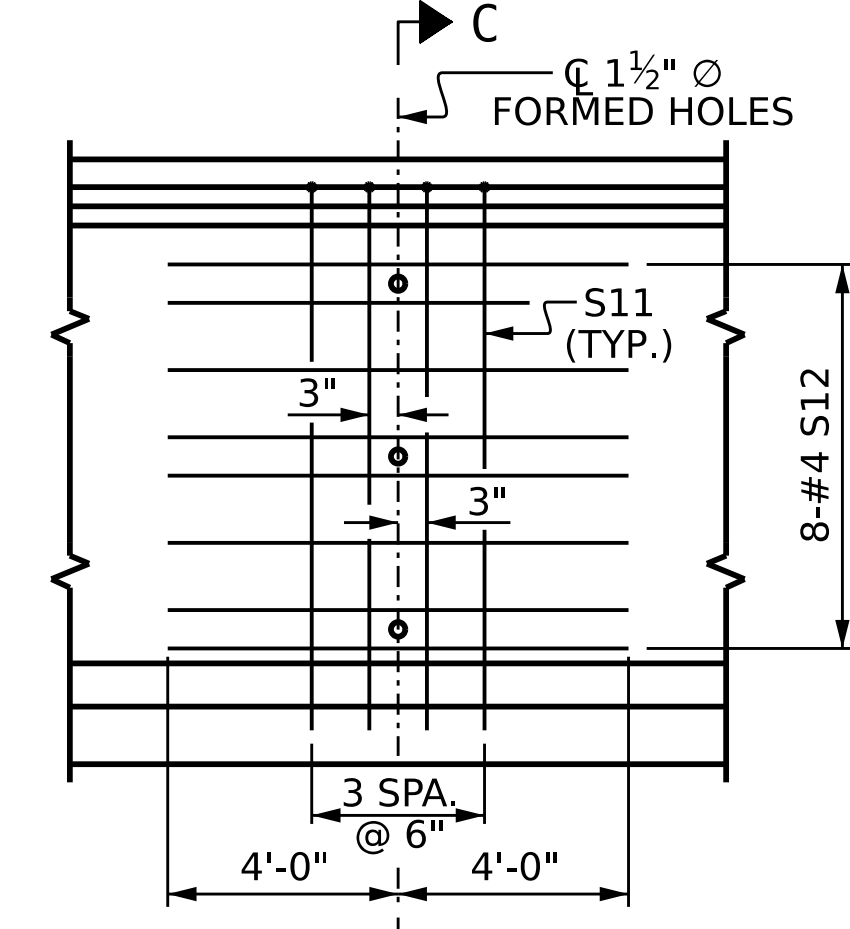
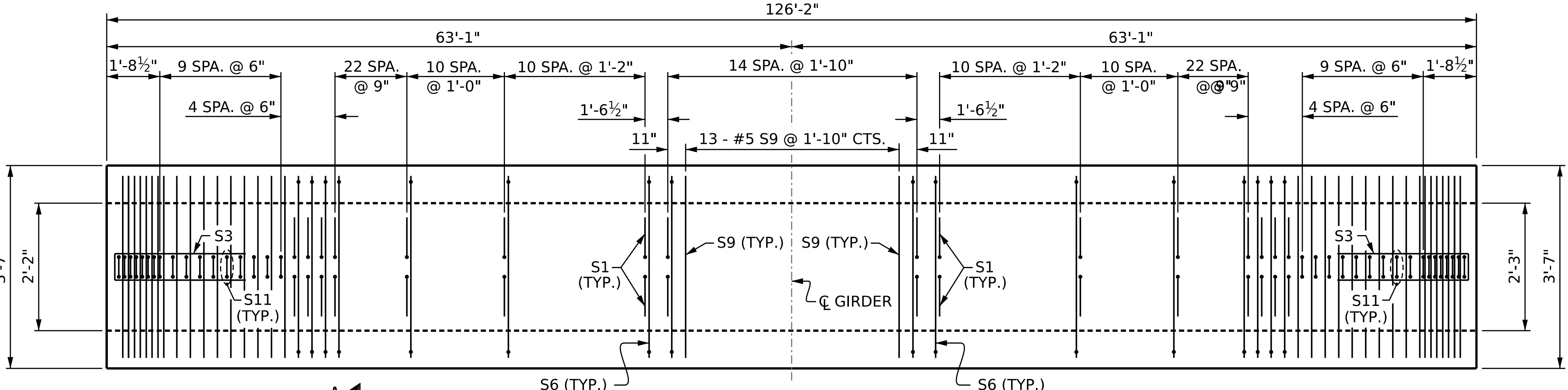
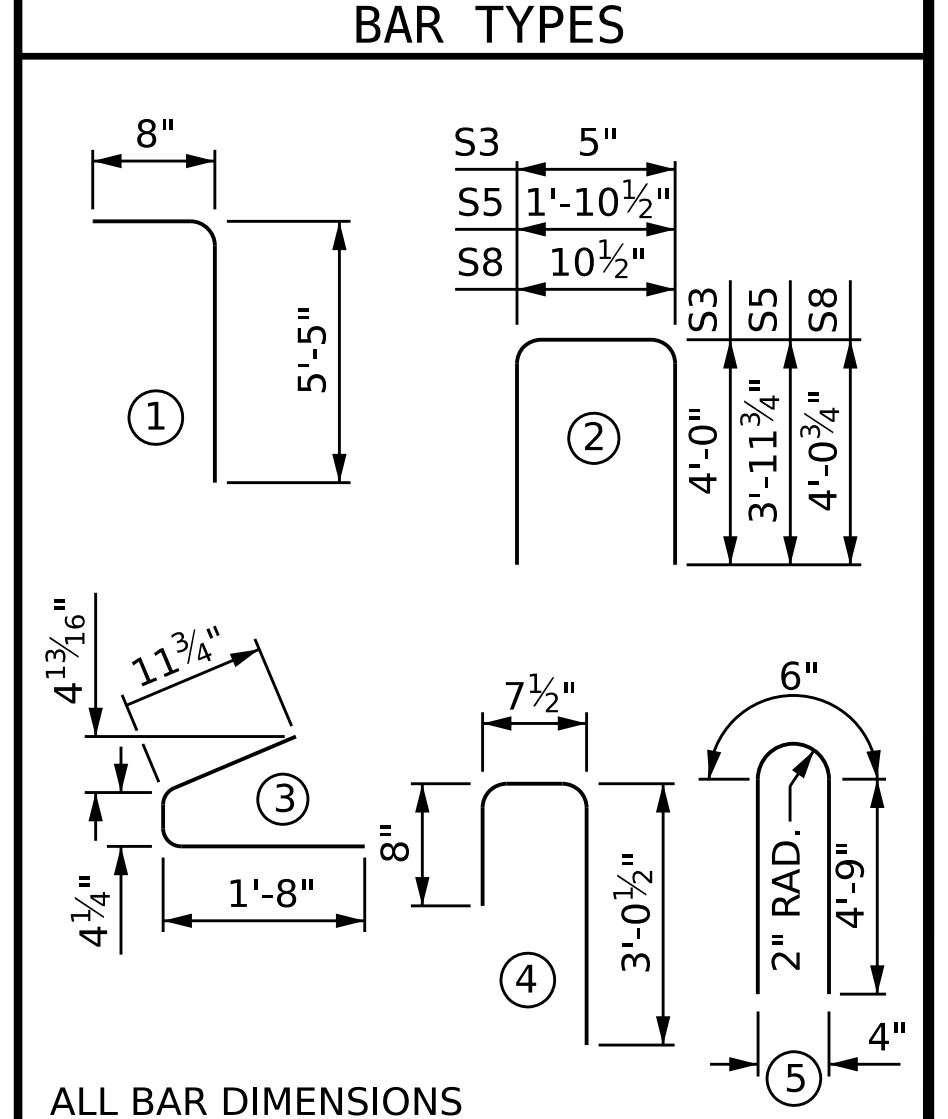


DEBONDING LEGEND

- FULLY BONDED STRANDS
- STRANDS DEBONDED FOR 12'-0" FROM END OF GIRDER
- STRANDS DEBONDED FOR 24'-0" FROM END OF GIRDER

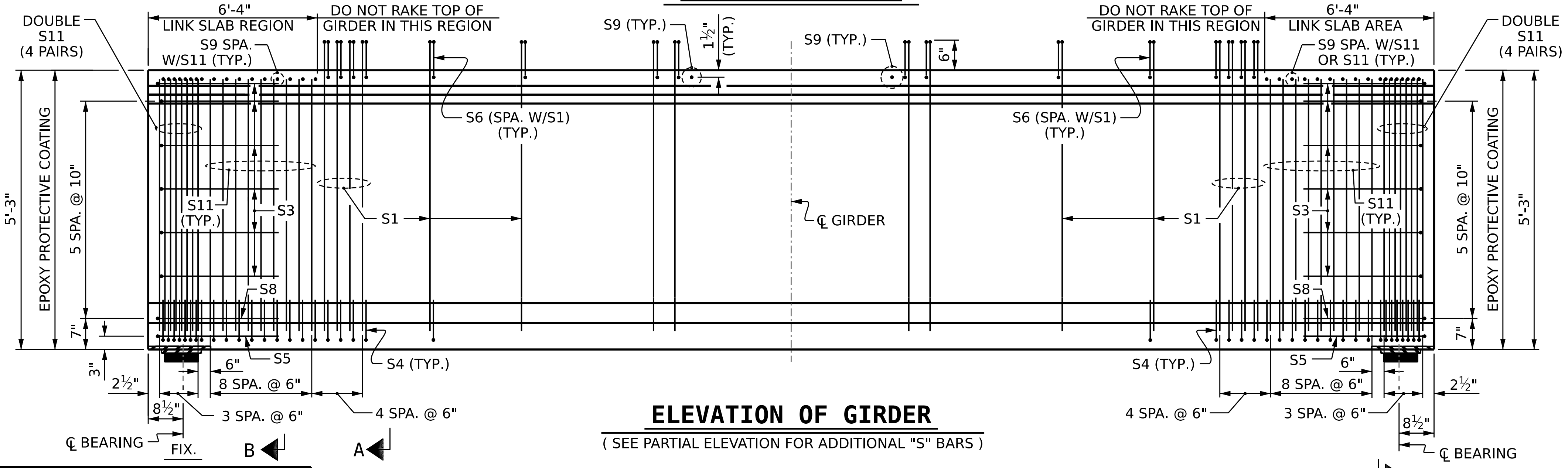
| 0.6" Ø L.R. GRADE 270 STRANDS | | |
|-------------------------------|-------------------------------------|-------------------------------------|
| AREA (SQUARE INCHES) | ULTIMATE STRENGTH (LBS. PER STRAND) | APPLIED PRESTRESS (LBS. PER STRAND) |
| 0.217 | 58,600 | 43,950 |

| REINFORCING STEEL FOR ONE GDR | | | | | | |
|-------------------------------|------|------|--------|--------|------|--|
| BAR NUMBER | SIZE | TYPE | LENGTH | WEIGHT | | |
| S1 | 222 | #4 | 1 | 6'-1" | 902 | |
| S3 | 12 | #4 | 2 | 8'-5" | 67 | |
| S4 | 68 | #4 | 3 | 3'-0" | 136 | |
| S5 | 2 | #5 | 2 | 9'-10" | 21 | |
| S6 | 222 | #5 | 4 | 4'-4" | 1003 | |
| S8 | 2 | #5 | 2 | 9'-0" | 19 | |
| S9 | 39 | #5 | STR | 3'-3" | 132 | |
| INT. S11 | 50 | #5 | 5 | 10'-0" | 522 | |
| INT. S12 | 32 | #4 | STR | 8'-0" | 171 | |
| EXT. S11 | 42 | #5 | 5 | 10'-0" | 438 | |
| EXT. S12 | 16 | #4 | STR | 8'-0" | 86 | |



| QUANTITIES FOR ONE GIRDER | | | |
|---------------------------|-------------------|---------------------|---------------------|
| GIRDERS | REINFORCING STEEL | 10,000 PSI CONCRETE | 0.6" Ø L.R. STRANDS |
| | LB. | C.Y. | No. |
| INTERIOR | 2,973 | 25.0 | 46 |
| EXTERIOR | 2,804 | 25.0 | 46 |

| GIRDERS REQUIRED | | |
|------------------|---------|--------------|
| NUMBER | LENGTH | TOTAL LENGTH |
| 4 | 126'-2" | 504.67' |



ASSEMBLED BY : K. BEARD DATE : 6/22/22
 CHECKED BY : D. SHACKELFORD DATE : 7/12/22
 DRAWN BY : BNB 09/21
 CHECKED BY : AAI 09/21
 DESIGN ENGINEER OF RECORD:
 W.C. SMITH DATE : 3/8/23



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PROJECT NO. **B-5981**
DUPLIN COUNTY
 STATION: **23+56.64 -L-**
 SHEET 2 OF 3

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
**63" PRESTRESSED
 MODIFIED BULB TEE
 LINK SLAB**
 (SPAN B)

| REVISIONS | | | | SHEET NO. S1-15 |
|-----------|-----|-------|-----|--------------------|
| NO. | BY: | DATE: | NO. | |
| 1 | | | 3 | TOTAL SHEETS 43 |
| 2 | | | 4 | |