

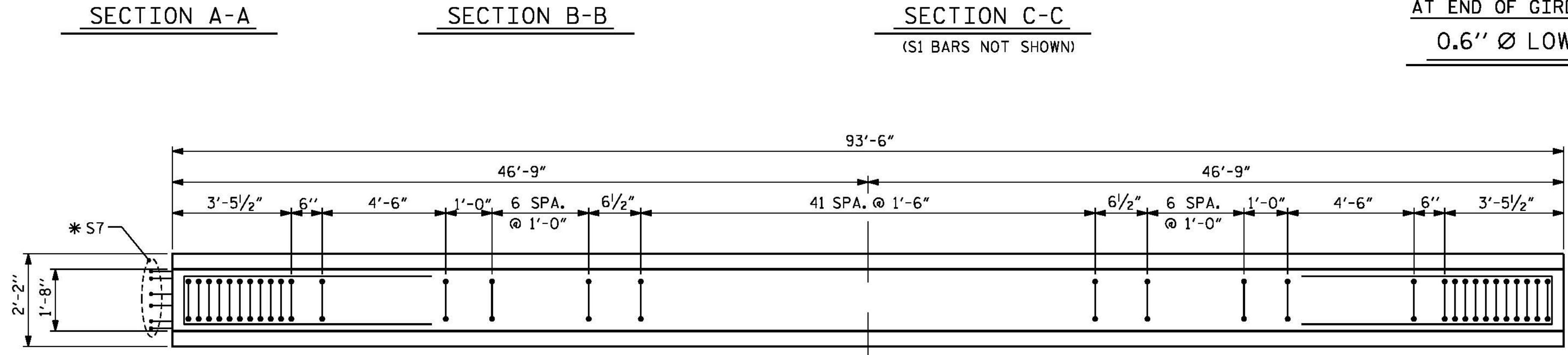
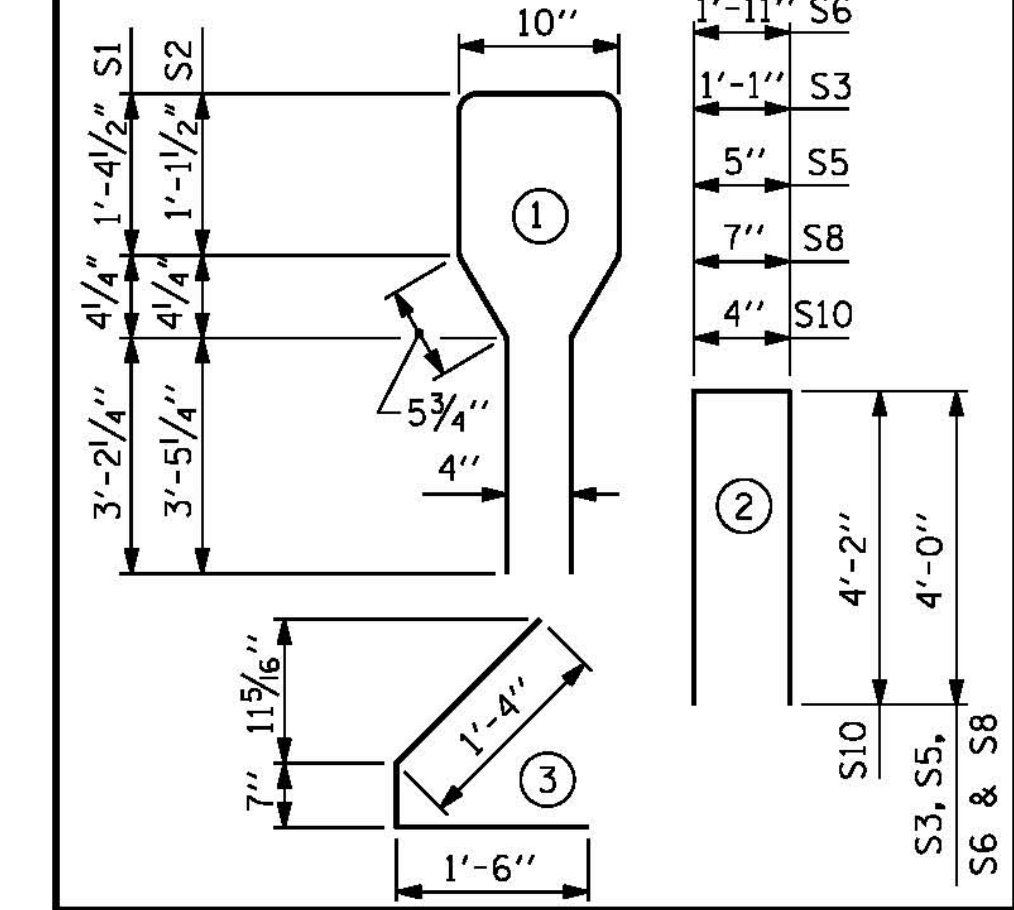
| 0.6" Ø L. R. GRADE 270 STRANDS | | |
|--------------------------------|-------------------------------------|-------------------------------------|
| AREA (SQ. INCHES) | ULTIMATE STRENGTH (LBS. PER STRAND) | APPLIED PRESTRESS (LBS. PER STRAND) |
| 0.217 | 58,600 | 43,950 |

| REINFORCING STEEL FOR ONE GIRDER | | | | | |
|----------------------------------|--------|------|------|---------|--------|
| BAR | NUMBER | SIZE | TYPE | LENGTH | WEIGHT |
| S1 | 76 | #4 | 1 | 10'-11" | 554 |
| S2 | 28 | #6 | 1 | 10'-11" | 459 |
| S3 | 4 | #4 | 2 | 9'-1" | 24 |
| S4 | 96 | #4 | 3 | 3'-5" | 219 |
| S5 | 6 | #4 | 2 | 8'-5" | 34 |
| S6 | 1 | #4 | 2 | 9'-11" | 7 |
| * S7 | 6 | #5 | STR | 3'-8" | 23 |
| S8 | 4 | #4 | 2 | 8'-7" | 23 |
| S9 | 1 | #3 | STR | 1'-10" | 1 |
| S10 | 2 | #5 | 2 | 8'-8" | 18 |
| S11 | 5 | #4 | STR | 7'-0" | 23 |

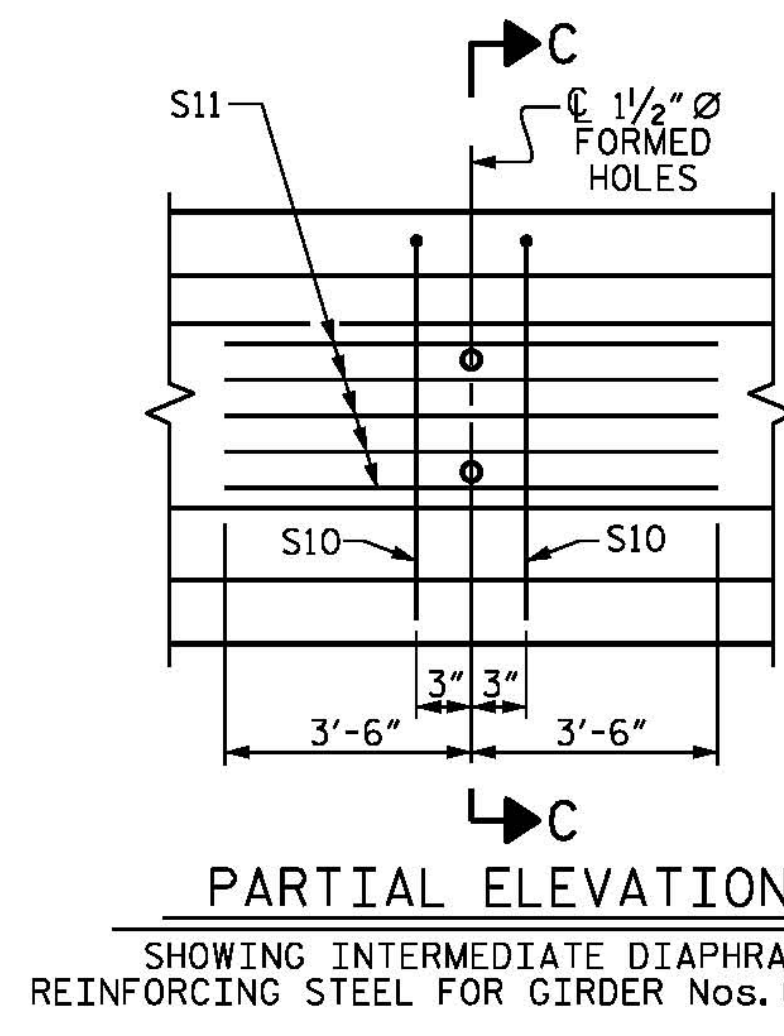
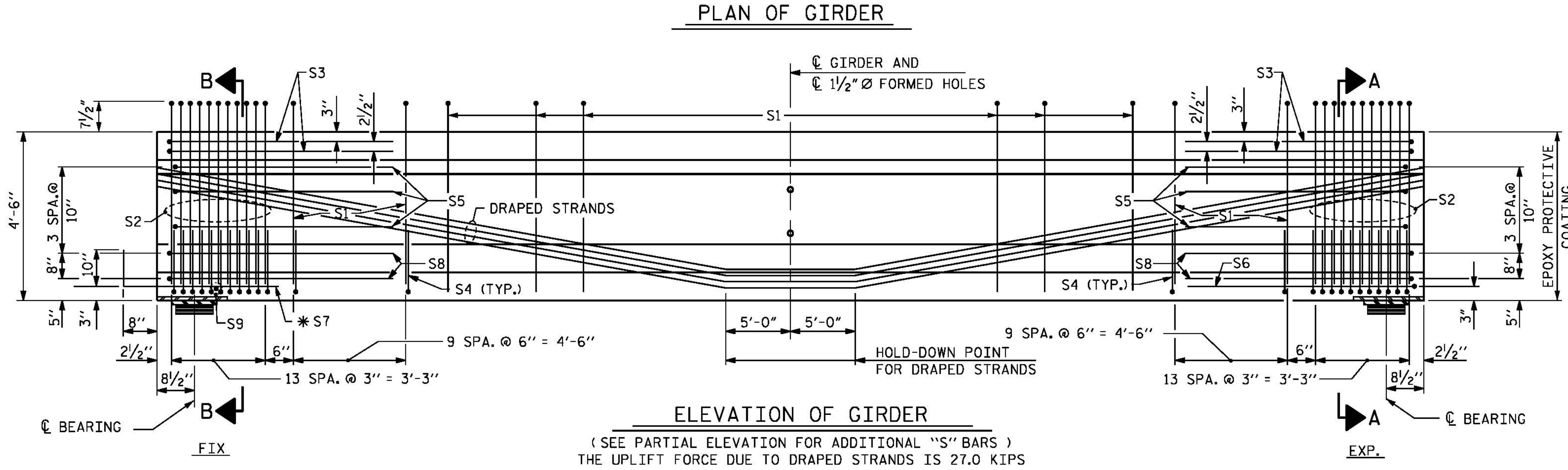
* NOTE: S7 BARS SHALL BE BENT BEFORE SHIPMENT. HEAT BENDING SHALL NOT BE ALLOWED.

BAR TYPES

ALL BAR DIMENSIONS ARE OUT-TO-OUT



- DEBONDING LEGEND**
- FULLY BONDED STRANDS
 - ◻ STRANDS DEBONDED FOR 2'-0" FROM END OF GIRDER
 - ◻ STRANDS DEBONDED FOR 4'-0" FROM END OF GIRDER



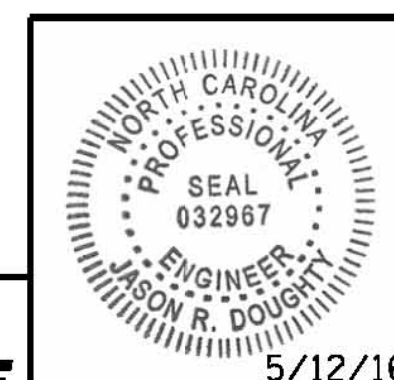
| QUANTITIES FOR ONE GIRDER | | | |
|---------------------------|-------------------|----------------------|--|
| REINFORCING STEEL | 9500 PSI CONCRETE | 0.6" Ø L. R. STRANDS | |
| LB. | C.Y. | No. | |
| 1385 | 18.98 | 42 | |

| GIRDERS REQUIRED | | |
|------------------|--------|--------------|
| NUMBER | LENGTH | TOTAL LENGTH |
| 5 | 93.50' | 467.50' |

PROJECT NO. B-4929

PENDER COUNTY

STATION: 38+13.81 -L2-



PARSONS BRINCKERHOFF
434 FAYETTEVILLE STREET
SUITE 1500
RALEIGH, NC 27601
LICENSE NO. F-0165

DocuSigned by:
Jason R. Doughty
00F1C8648274F7...

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD
AASHTO TYPE IV
PRESTRESSED CONCRETE GIRDER
CONTINUOUS FOR LIVE LOAD
SPAN C

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

SHEET NO.
S-74
TOTAL SHEETS
278

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

STD. NO. PCG6

5/10/2016 4:00:145_B4929_SMU_G3.dgn

DESIGNED BY: J. BORUTA DATE: OCT 2015
DRAWN BY: M. HOBBS DATE: OCT 2015
CHECKED BY: M. WAGNER DATE: JAN 2016
DESIGN ENGINEER OF RECORD: J. DOUGHTY DATE: MAY 2016

DRAWN BY: ELR 8/91 REV. 5/1/06R TLA/GM
CHECKED BY: GRP 8/91 REV. 10/1/11 MAA/GM
REV. 1/15 MAA/TMG