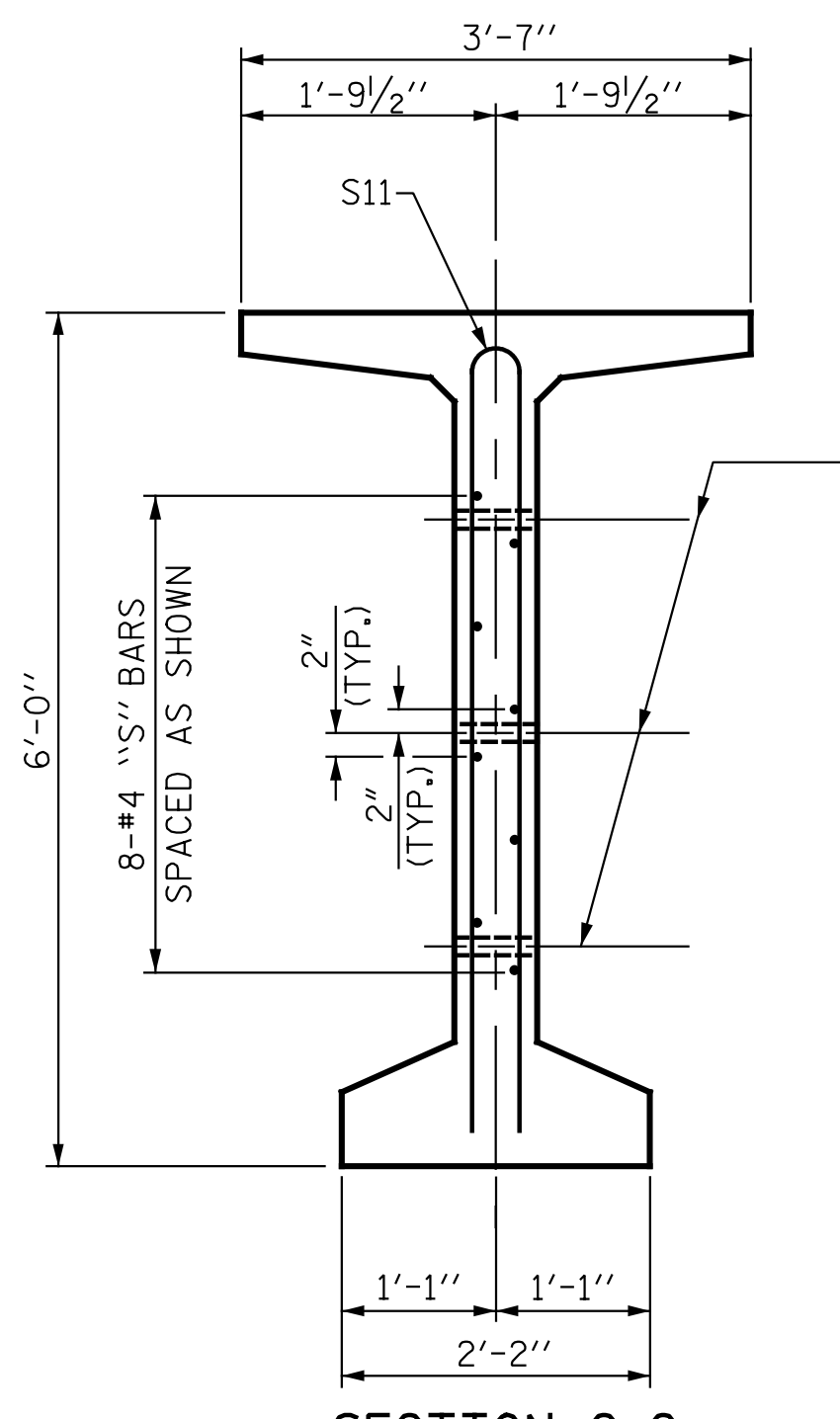


*FOR S7 BARS. SEE
DETAIL "C" OF
PRESTRESSED
CONCRETE GIRDER
CONTINUOUS FOR LIVE
LOAD DETAILS SHEET

SECTION A-A



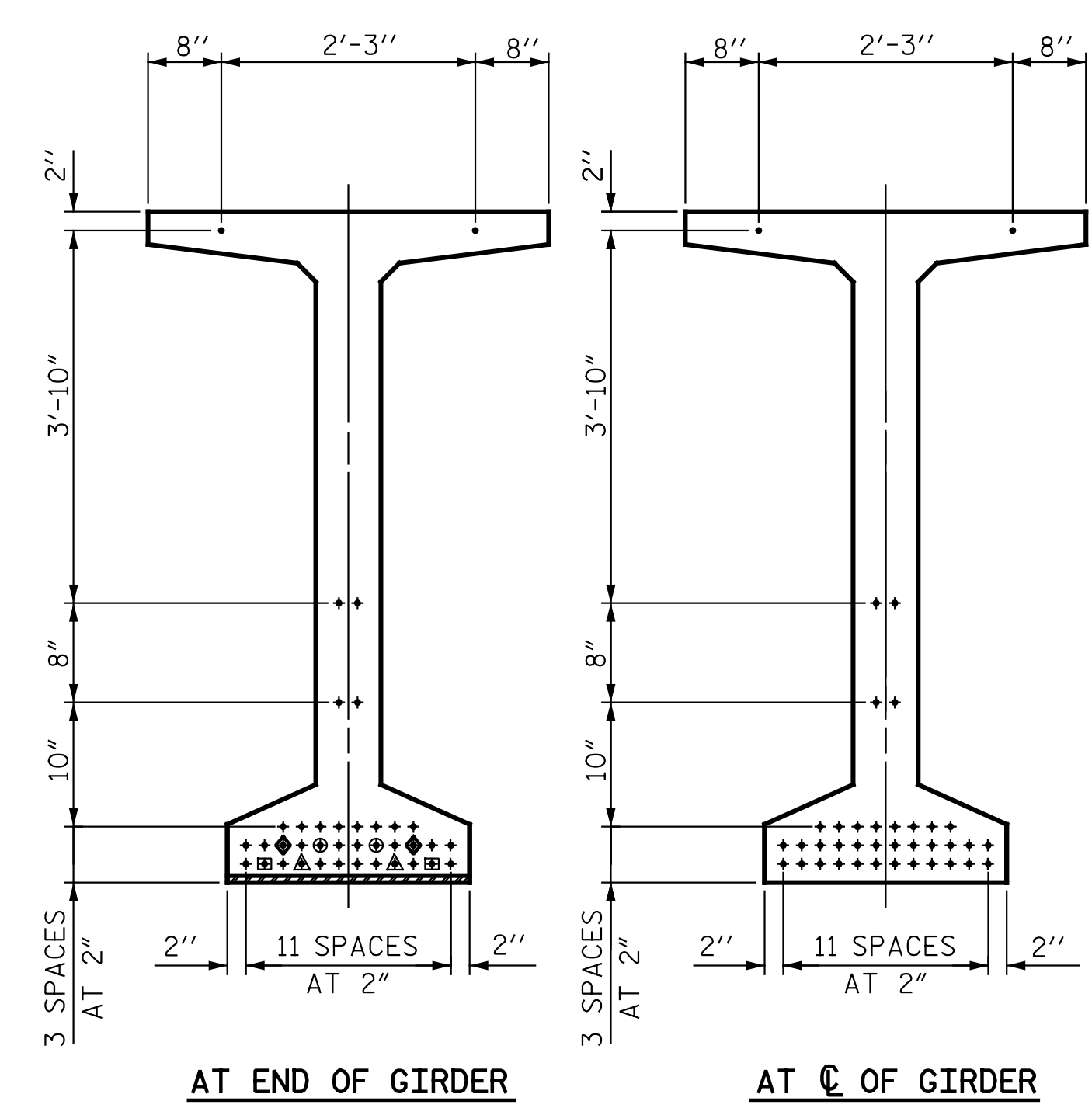
1/2" Ø FORMED
HOLE. SEE ELEVATION
FOR LOCATION. FOR
DIM. "A", "B" & "C"
SEE "INTERMEDIATE
STEEL DIAPHRAGMS"
SHEET.)

SECTION C-C

(S1, S6 AND S9 BARS NOT SHOWN)

DEBONDING LEGEND

- FULLY BONDED STRANDS
- ◻ STRANDS DEBONDED FOR 4'-0" FROM END OF GIRDER
- ◼ STRANDS DEBONDED FOR 24'-0" FROM END OF GIRDER
- STRANDS DEBONDED FOR 12'-0" FROM END OF GIRDER
- ◊ STRANDS DEBONDED FOR 40'-0" FROM END OF GIRDER



AT END OF GIRDER

AT C OF GIRDER

0.6" Ø LOW RELAXATION STRAND LAYOUT

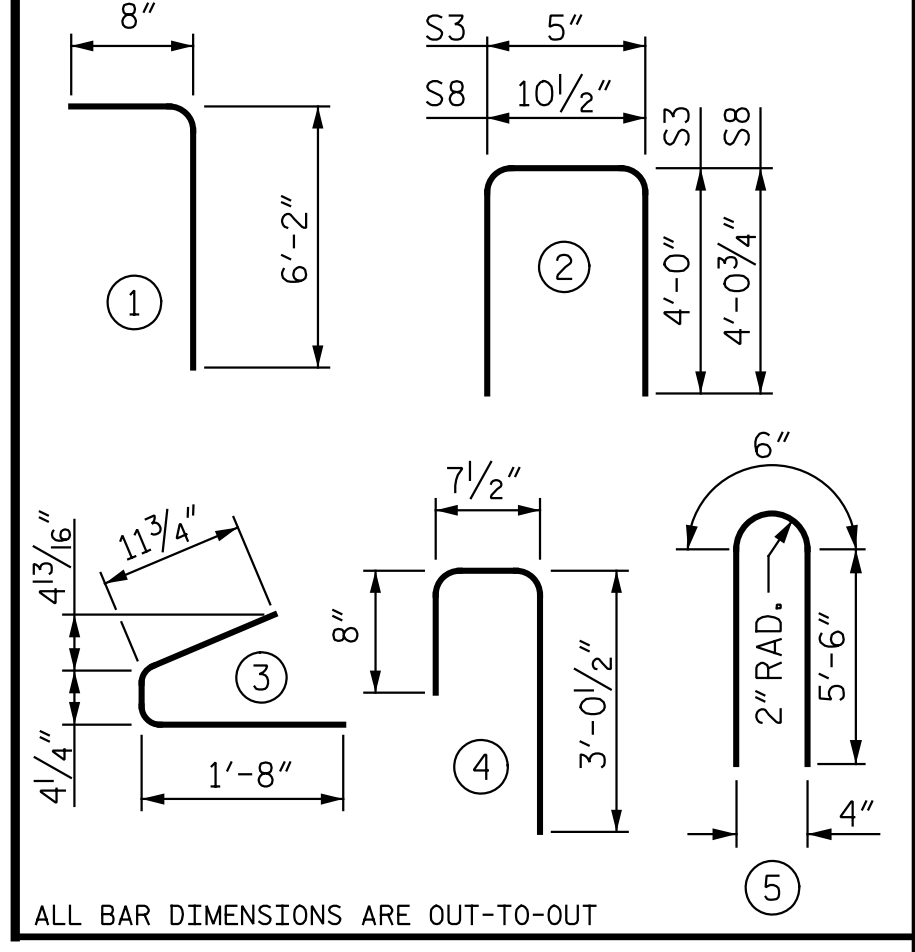
| 0.6" Ø L. R. GRADE 270 STRANDS | | |
|--------------------------------|---|---|
| AREA (SQUARE INCHES) | ULTIMATE STRENGTH (LBS. PER STRAND) | APPLIED PRESTRESS (LBS. PER STRAND) |
| 0.217 | 58,600 | 43,950 |

REINFORCING STEEL FOR ONE GDR

| BAR | NUMBER | SIZE | TYPE | LENGTH | WEIGHT |
|-----|--------|------|------|--------|--------|
| S1 | 228 | #4 | 1 | 6'-10" | 1041 |
| S2 | 24 | #5 | 1 | 6'-10" | 171 |
| S3 | 14 | #4 | 2 | 8'-5" | 79 |
| S4 | 84 | #4 | 3 | 3'-0" | 168 |
| S6 | 252 | #5 | 4 | 4'-4" | 1139 |
| *S7 | 40 | #5 | STR | 3'-8" | 153 |
| S8 | 2 | #5 | 2 | 9'-0" | 19 |
| S9 | 15 | #5 | STR | 3'-3" | 51 |
| S10 | 2 | #3 | STR | 1'-10" | 1 |
| S11 | 8 | #5 | 5 | 11'-6" | 96 |
| S12 | 16 | #4 | STR | 8'-0" | 86 |

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

BAR TYPES



ALL BAR DIMENSIONS ARE OUT-TO-OUT

QUANTITIES FOR ONE GIRDER

| REINFORCING STEEL | 7000 PSI CONCRETE | 0.6" Ø L.R. STRANDS | |
|----------------------|----------------------|------------------------|------|
| | | LB. | C.Y. |
| 3004 | 25.4 | 38 | |

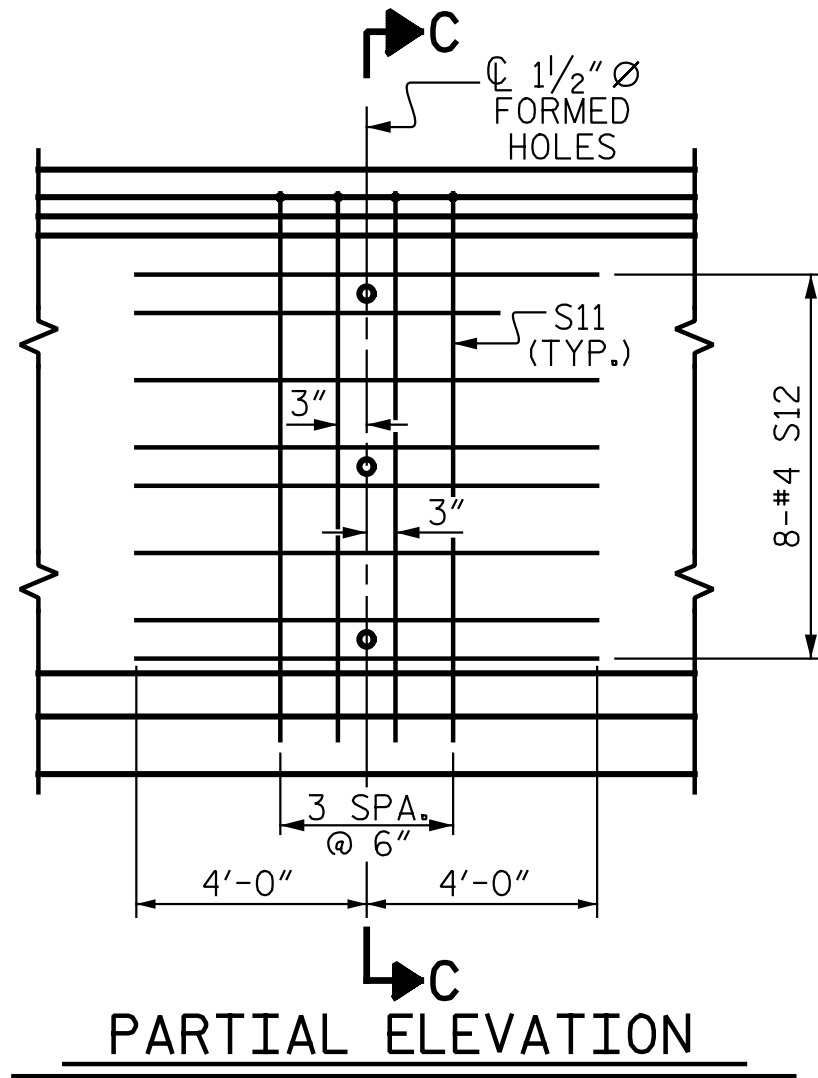
GIRDERS REQUIRED

| NUMBER | LENGTH | TOTAL LENGTH |
|--------|---------|--------------|
| 5 | 118'-5" | 592'-1" |

PROJECT NO. R-2514D
JONES COUNTY
STATION: 320+39.56 -L-

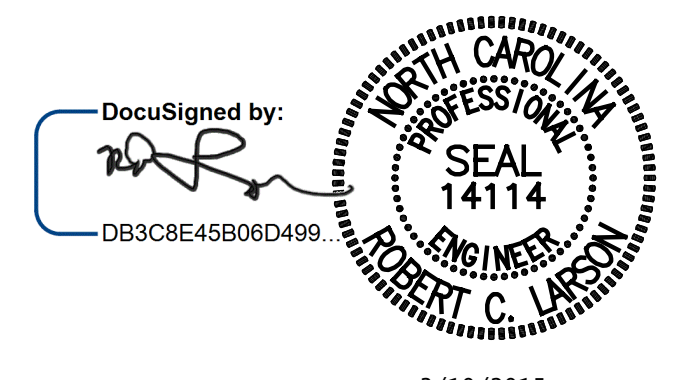
SHEET 1 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
STANDARD
72" PRESTRESSED CONCRETE
MODIFIED BULB TEE
CONTINUOUS FOR LIVE LOAD
STD. NO. PCG8 RIGHT LANE

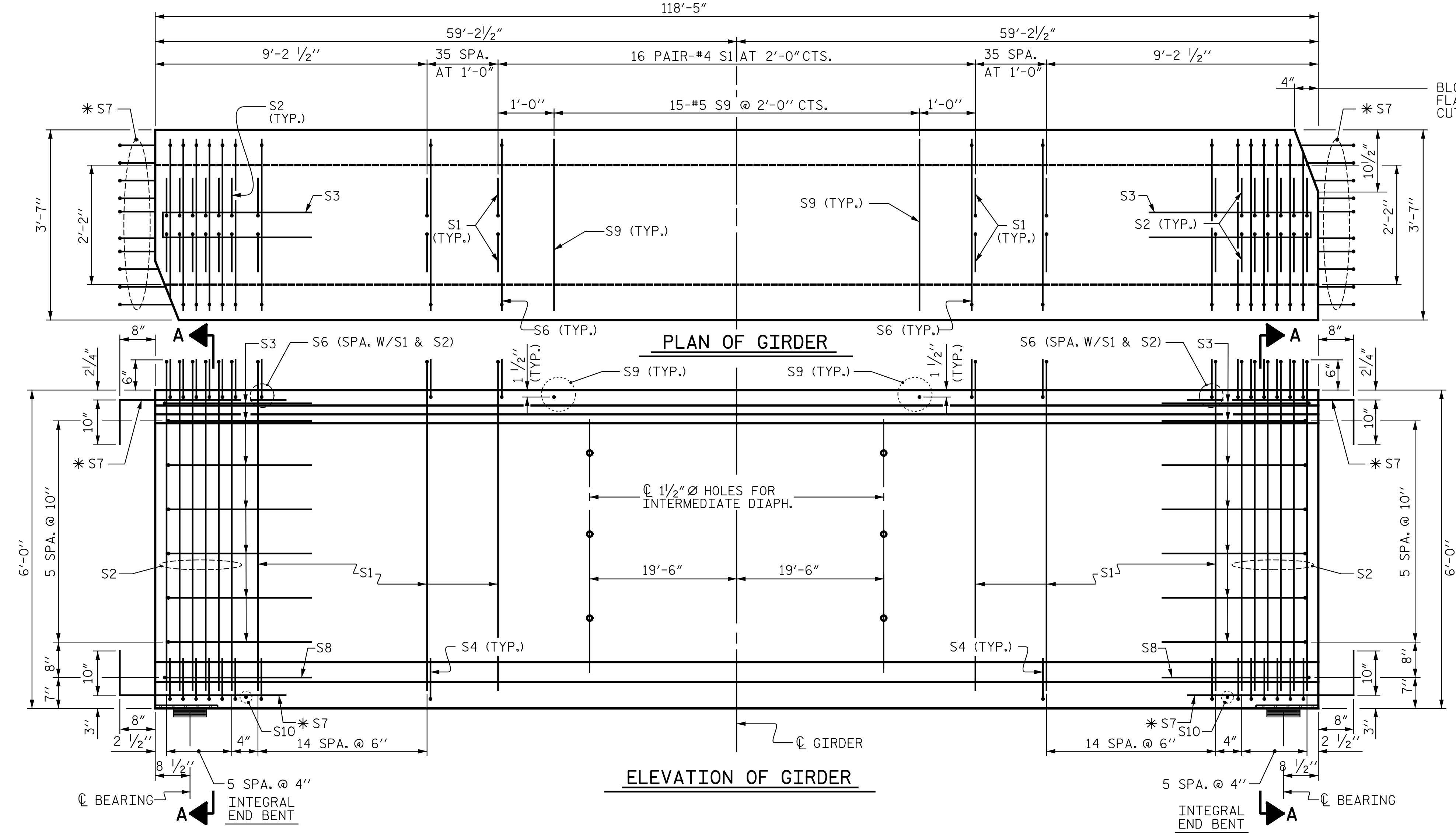


PARTIAL ELEVATION

SHOWING INTERMEDIATE STEEL DIAPHRAGM REINFORCING STEEL FOR GIRDER Nos. 1-5



3/10/2015



PLAN OF GIRDER

ELEVATION OF GIRDER

ASSEMBLED BY : R. C. LARSON DATE : 8/21/13
CHECKED BY : R. A. PRUETT DATE : 11/06/13
DRAWN BY : EEM 2/6/97 REV. 5/1/06R TLA/GM
CHECKED BY : VAP 2/6/97 REV. 10/1/11 MAA/GM
REV. 6/13 MAA/GM

Design Engineer of Record:
3/10/2015

KCI Associates
of North Carolina, P.A.
DWG. REF. NO. 9 OF 24

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

SHEET NO.
S02-9
TOTAL SHEETS
S02-24

STR-#2