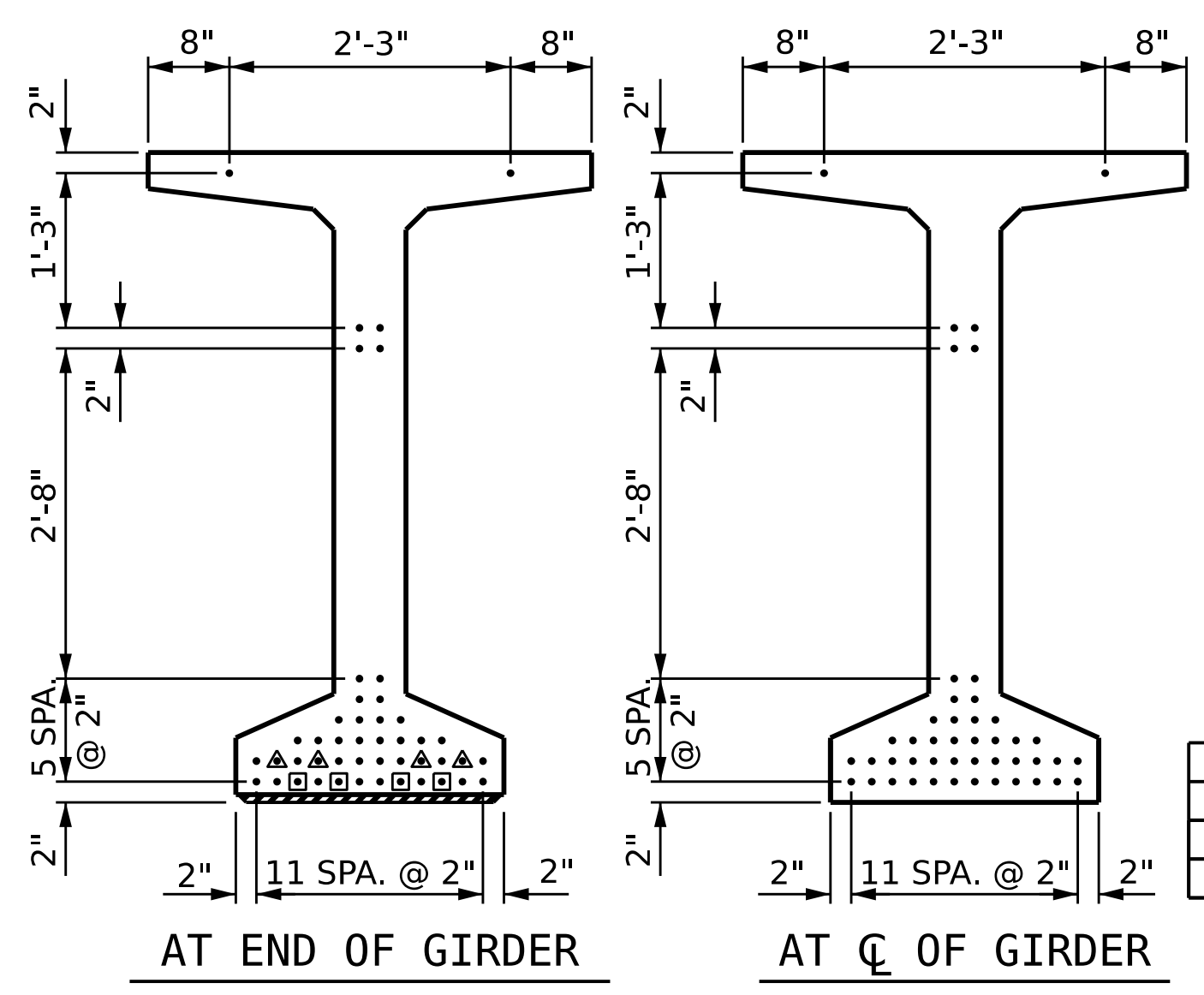


1 1/2" Ø FORMED HOLE. SEE (SHEET 4 OF 4) FOR LOCATION.

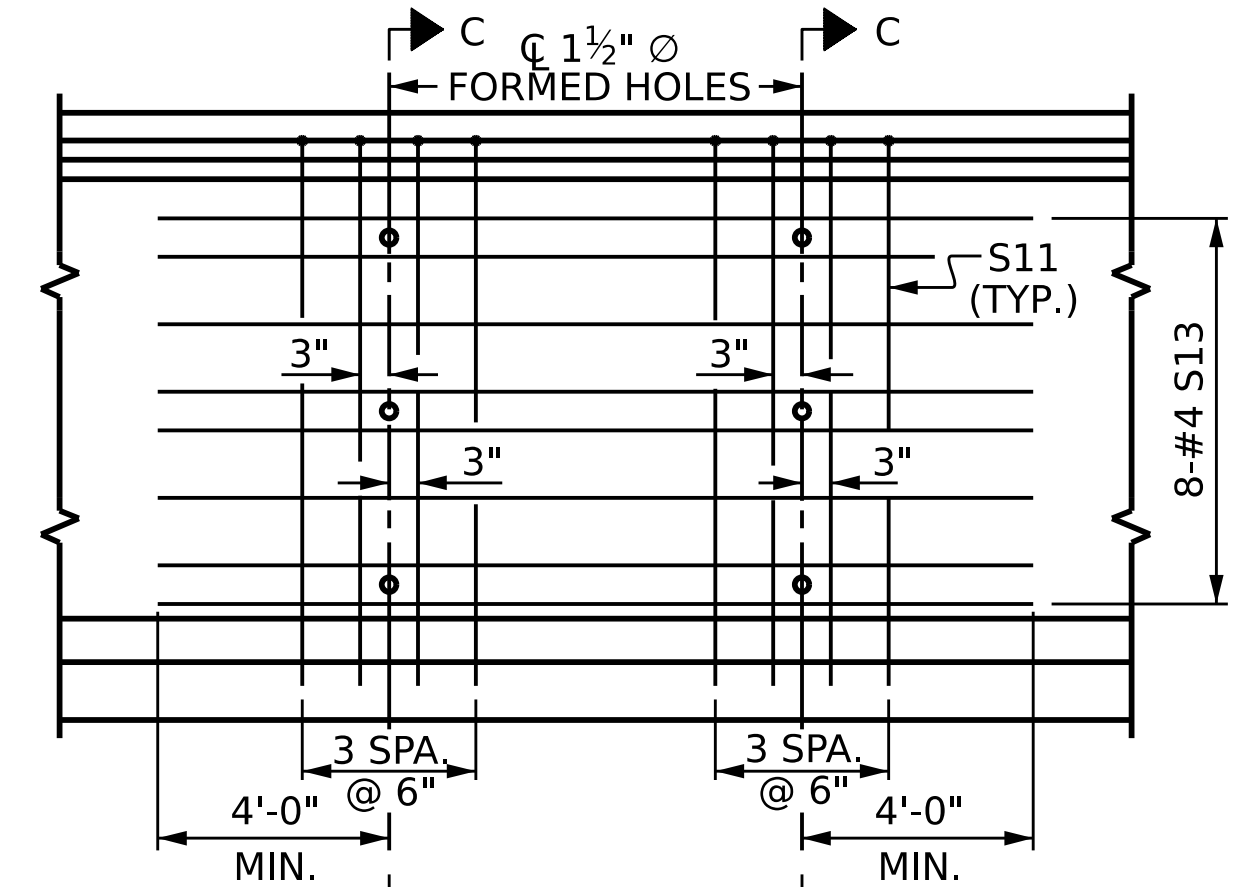
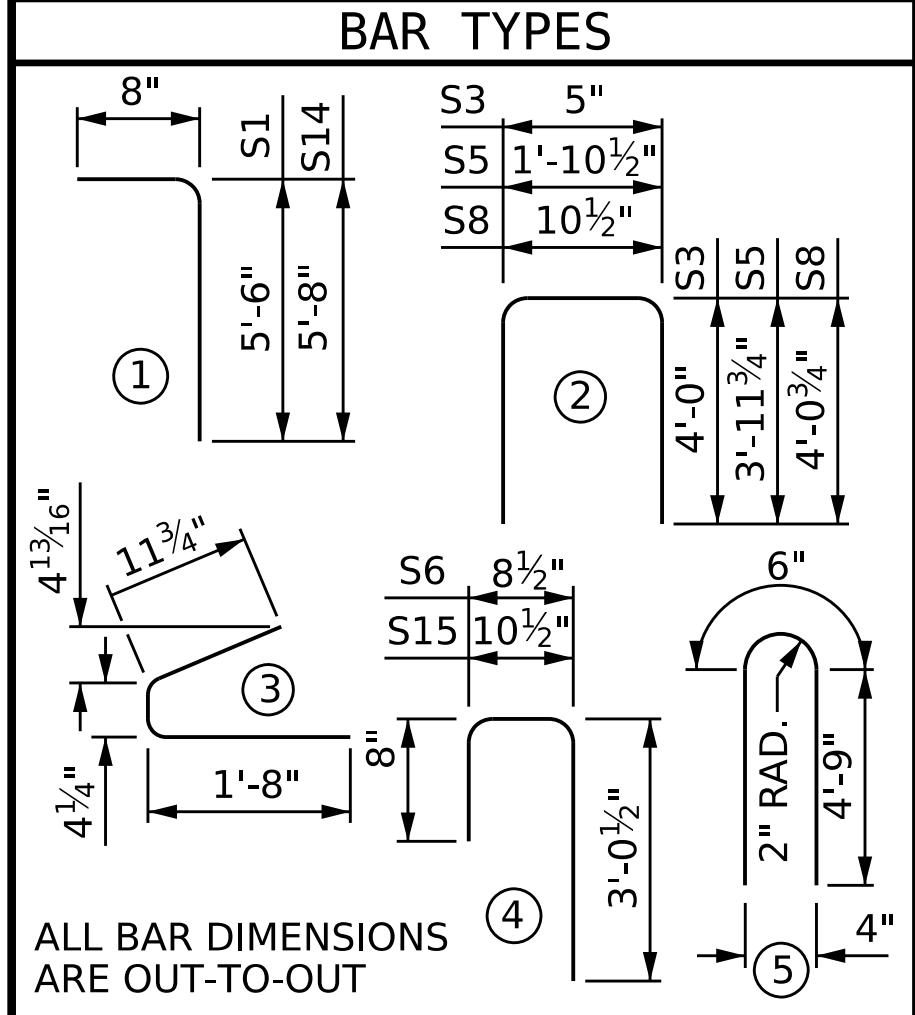
DEBONDING LEGEND

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



| 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 |

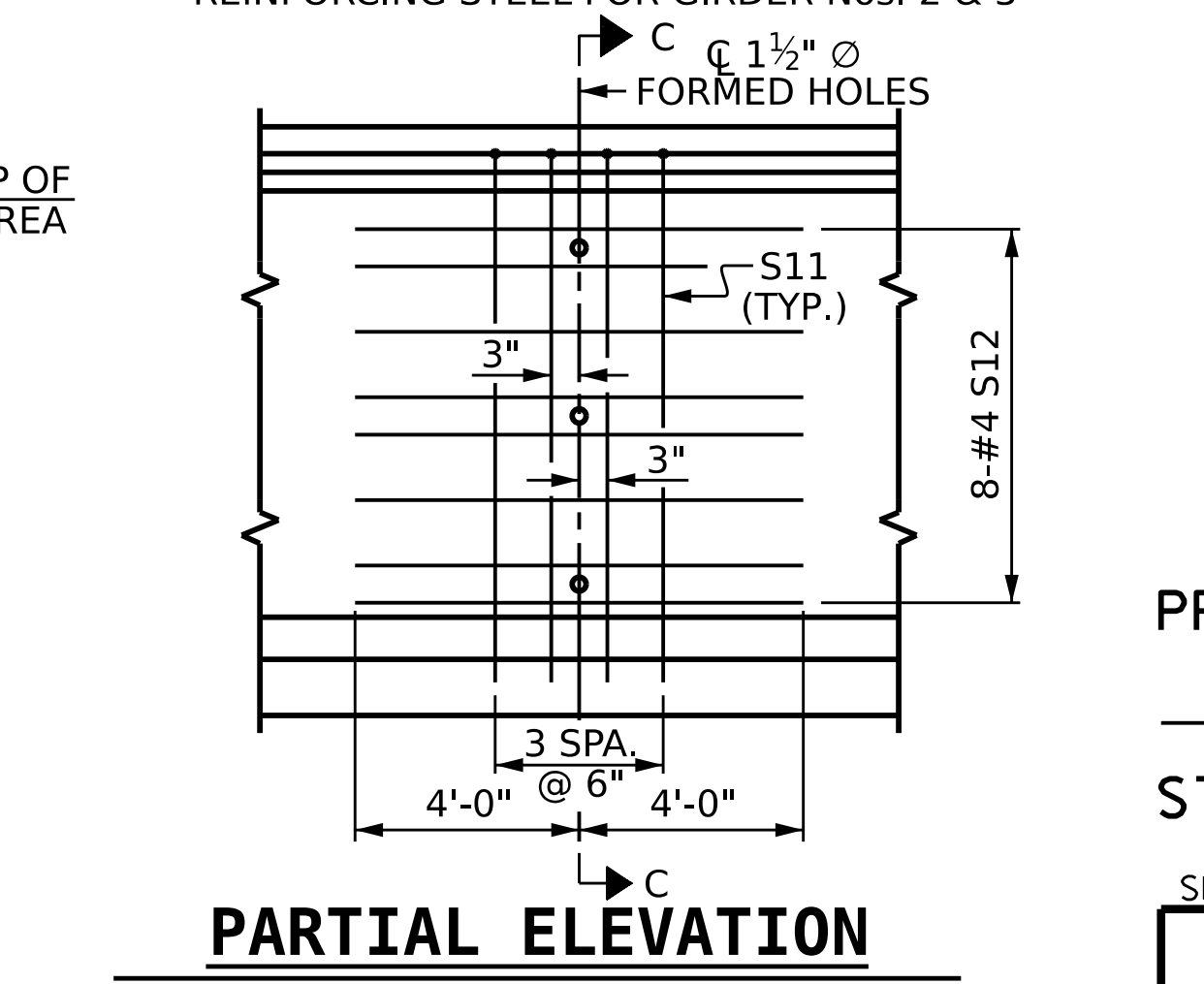
| REINFORCING STEEL FOR ONE GDR | | | | | |
|-------------------------------|--------|------|------|--------|--------|
| BAR NUMBER | NUMBER | SIZE | TYPE | LENGTH | WEIGHT |
| S1 | 192 | #4 | 1 | 6'-2" | 791 |
| S3 | 12 | #4 | 2 | 8'-5" | 67 |
| S4 | 100 | #4 | 3 | 3'-0" | 200 |
| S5 | 2 | #5 | 2 | 9'-10" | 21 |
| S6 | 192 | #5 | 4 | 4'-5" | 884 |
| S8 | 2 | #5 | 2 | 9'-0" | 19 |
| S9 | 40 | #5 | STR | 3'-3" | 136 |
| S11 | 38 | #5 | 5 | 10'-0" | 396 |
| S12 | 16 | #4 | STR | 8'-0" | 86 |
| S13 | 16 | #4 | STR | 19'-8" | 210 |
| S14 | 22 | #4 | 1 | 6'-4" | 93 |
| S15 | 22 | #5 | 4 | 4'-7" | 105 |



| QUANTITIES FOR ONE GIRDER | | | |
|---------------------------|-------------------|-------------------|---------------------|
| GIRDERS | REINFORCING STEEL | 8500 PSI CONCRETE | 0.6" Ø L.R. STRANDS |
| | LB. | C.Y. | No. |
| INTERIOR | 3,006 | * | 46 |
| EXTERIOR | 2,798 | * | 46 |

| GIRDERS REQUIRED | | |
|------------------|--------|--------------|
| NUMBER | LENGTH | TOTAL LENGTH |
| 4 | VARIES | 478.60 |

* SEE "GIRDER DIMENSION" TABLE ON SHEET 4 OF 4.



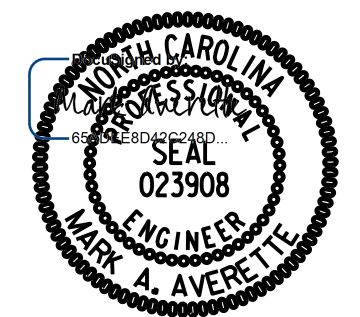
PROJECT NO. I-2513AA/AB
BUNCOMBE COUNTY
 STATION: 20+16.70 -Y5RPA-

SHEET 2 OF 4

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUPERSTRUCTURE

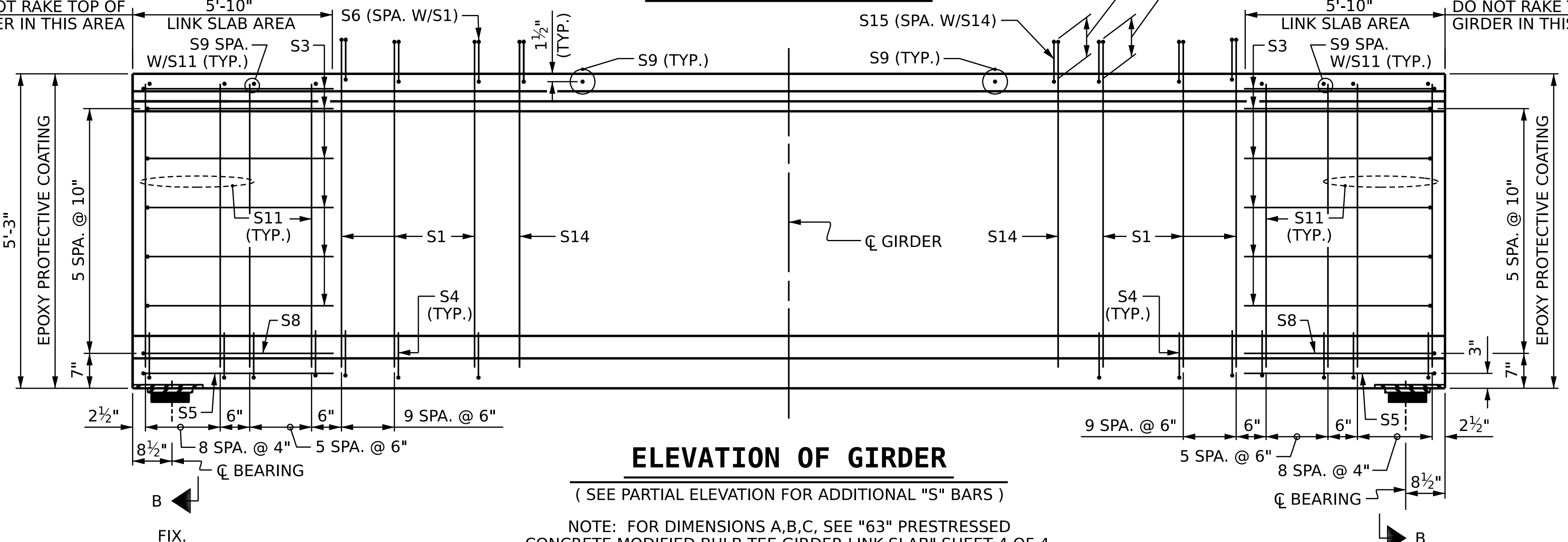
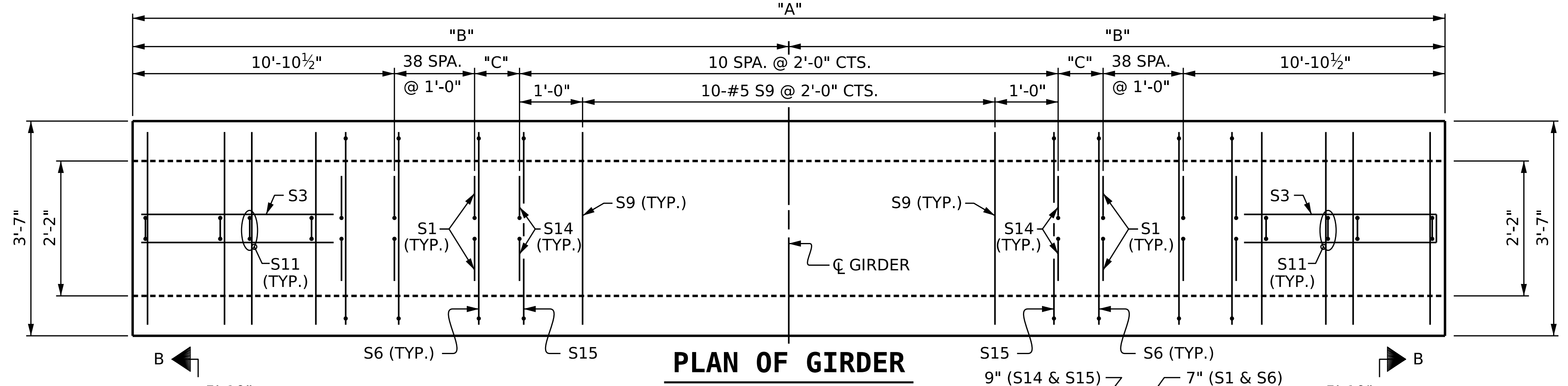
63" PRESTRESSED CONCRETE MODIFIED BULB TEE

SPAN B



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

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



NOTE: FOR DIMENSIONS A,B,C. SEE "63" PRESTRESSED CONCRETE MODIFIED BULB TEE GIRDER LINK SLAB" SHEET 4 OF 4.

12/21/2023 1:48:27 PM c:\pwworking\king\cecom_ds21_na_2020\d0252774\I2513AA_SMU_G2_100902.dgn

| | | | |
|----------------------------|---------------|--------|-------|
| DRAWN BY : | S.D. COOPER | DATE : | 12-23 |
| CHECKED BY : | M.A. AVERETTE | DATE : | 12-23 |
| DESIGN ENGINEER OF RECORD: | M.A. AVERETTE | DATE : | 12-23 |

SHEET NO. 5-18
 TOTAL SHEETS 49