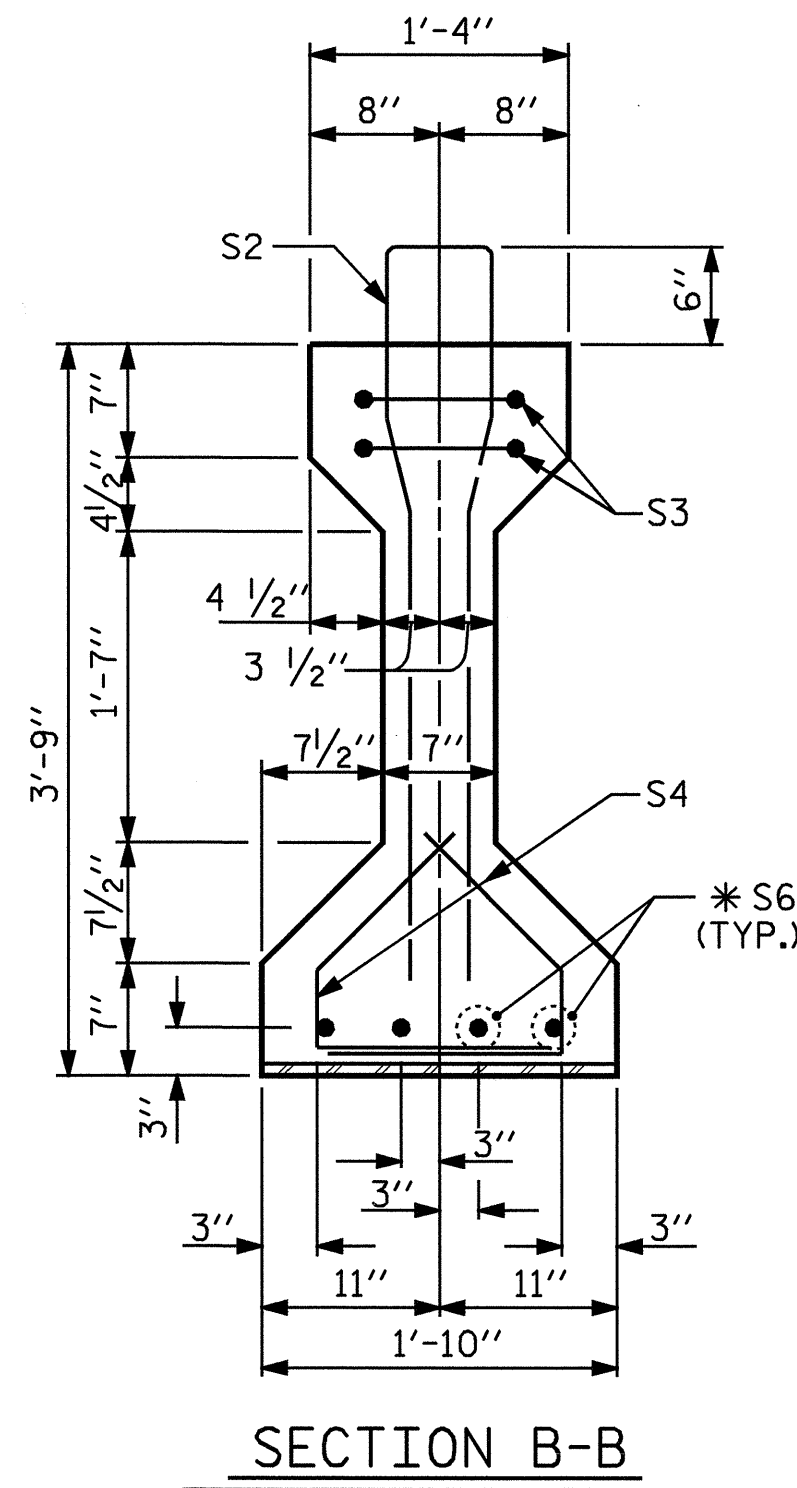
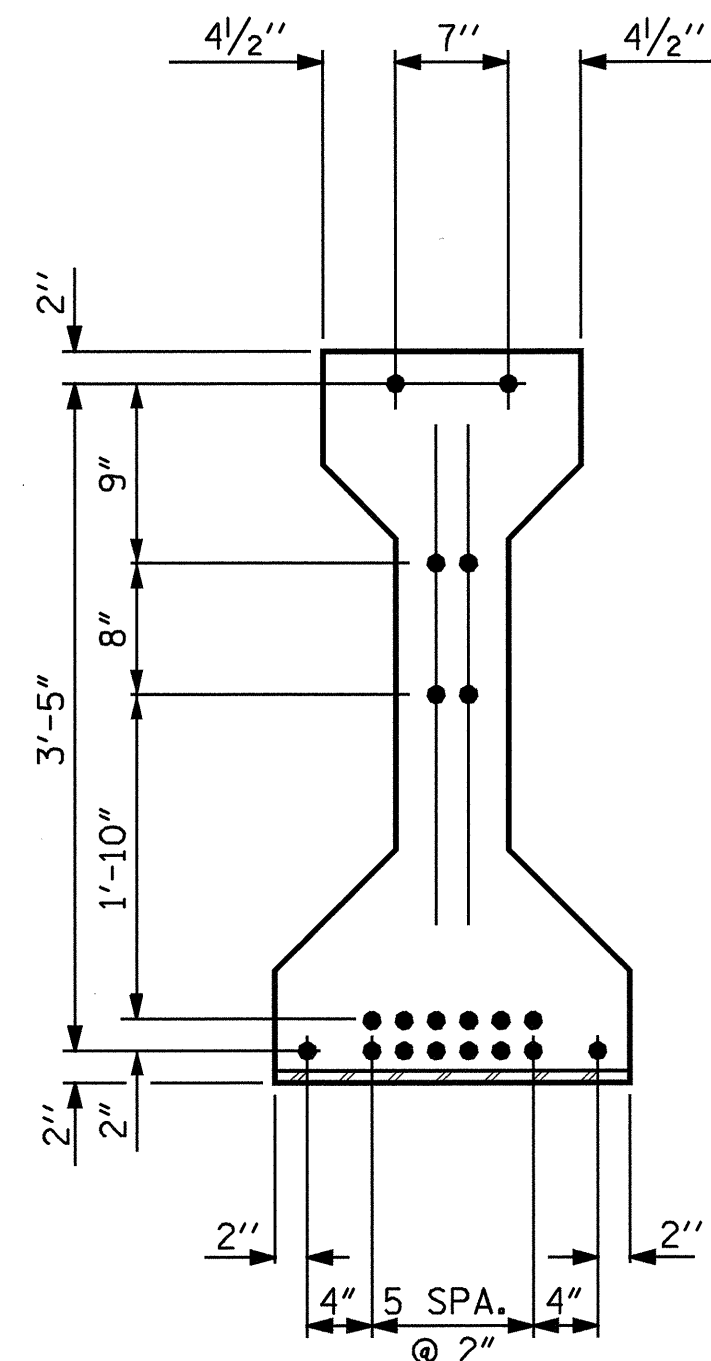


BEVEL ON GIRDERS

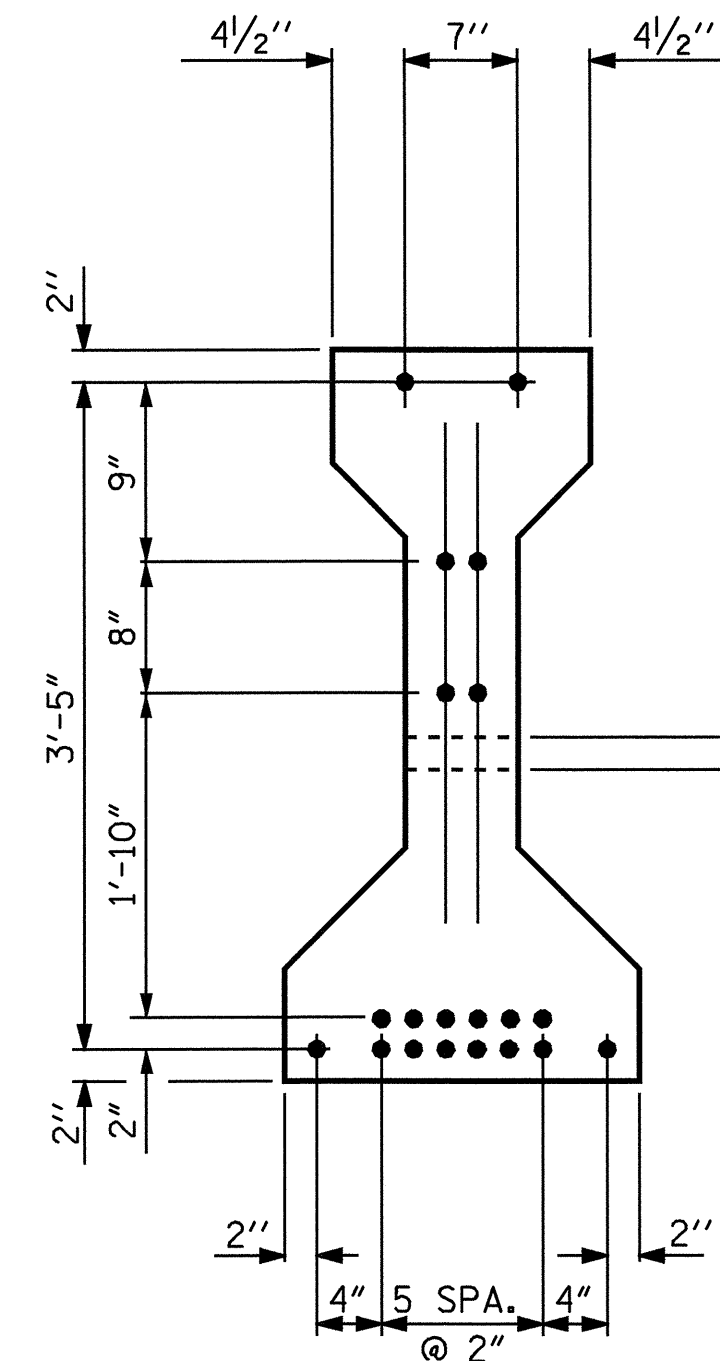
| TABLE 2 | | |
|-----------|--------------------------------------|--------------------------------------|
| GIRDERS | DIMENSIONS | DIMENSION B |
| GIRDER B1 | 30'-6 ³ / ₁₆ " | |
| GIRDER B2 | 30'-6 ³ / ₁₆ " | 28'-8 ⁹ / ₁₆ " |
| GIRDER B3 | 30'-6 ³ / ₁₆ " | 28'-8 ⁹ / ₁₆ " |
| GIRDER B4 | 28'-8 ⁹ / ₁₆ " | |



SECTION B-B



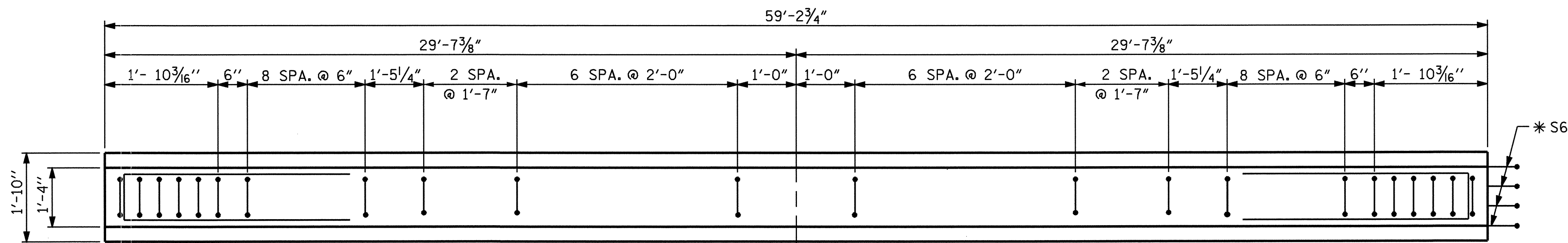
AT END OF GIRDER



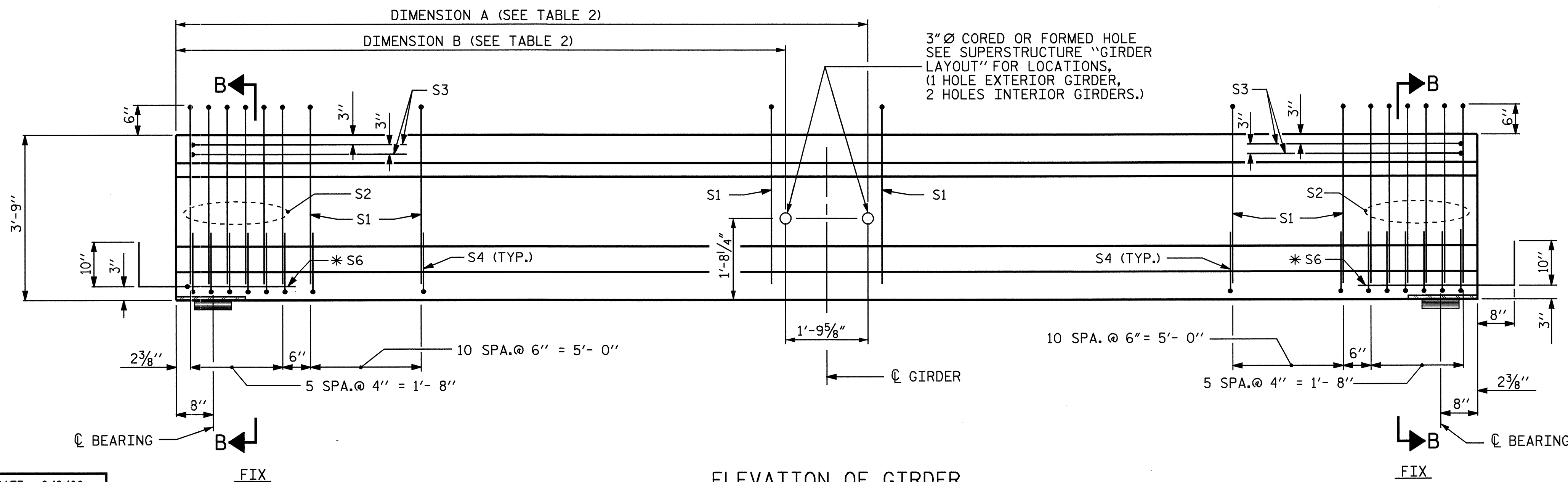
AT C. OF GIRDER

3" Ø CORED OR FORMED HOLE
SEE SUPERSTRUCTURE "GIRDER
LAYOUT" FOR LOCATIONS.
(1 HOLE EXTERIOR GIRDER,
2 HOLES INTERIOR GIRDERS.)

1/2" Ø LOW RELAXATION STRAND LAYOUT



PLAN OF GIRDER



ELEVATION OF GIRDER

1/2" Ø L. R. GRADE 270 STRANDS

| AREA (SQUARE INCHES) | ULTIMATE STRENGTH (LBS. PER STRAND) | APPLIED PRESTRESS (LBS. PER STRAND) |
|-------------------------|---|---|
| 0.153 | 41,300 | 30,980 |

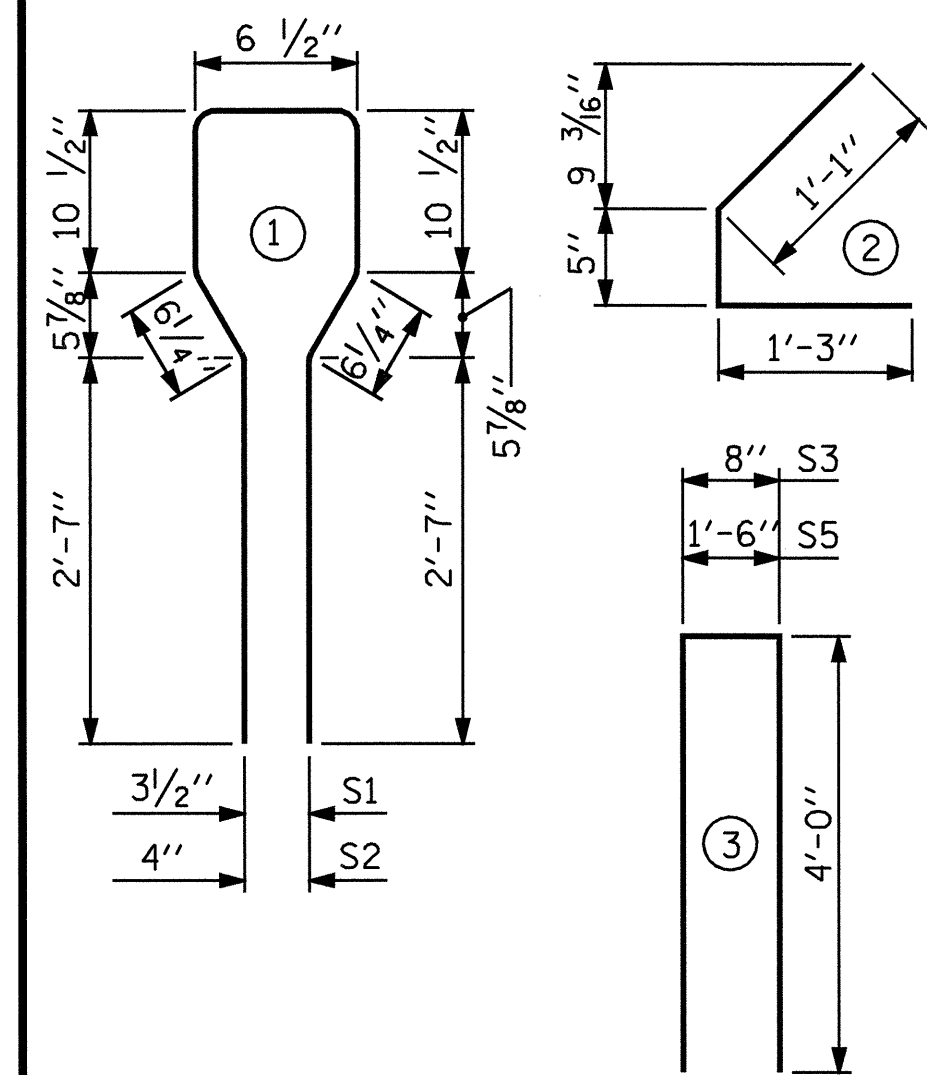
REINFORCING STEEL FOR ONE GIRDER

| BAR | NUMBER | SIZE | TYPE | LENGTH | WEIGHT |
|-----|--------|------|------|--------|--------|
| S1 | 44 | #4 | 1 | 8'-6" | 250 |
| S2 | 12 | #6 | 1 | 8'-6" | 153 |
| S3 | 4 | #4 | 3 | 8'-8" | 23 |
| S4 | 68 | #4 | 2 | 2'-9" | 125 |
| *S6 | 8 | #5 | STR | 3'-8" | 31 |

* NOTE: S6 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

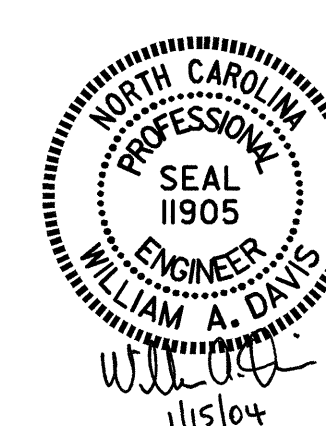
| REINFORCING STEEL | 5,000 PSI CONCRETE | 1/2" Ø L.R. STRANDS |
|-------------------|--------------------|---------------------|
| LB. | C.Y. | No. |
| 582 | 8.5 | 20 |

GIRDERS REQUIRED

| NUMBER | LENGTH | TOTAL LENGTH |
|--------|------------|--------------|
| 4 | 59'-2 3/4" | 236.92 FT. |

PROJECT NO. B-3485
MACON COUNTY
STATION: 15+52.00 -L-

SHEET 2 OF 4



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
STANDARD
AASHTO TYPE III
PRESTRESSED CONCRETE
GIRDER CONTINUOUS
FOR LIVE LOAD SPAN B

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

ASSEMBLED BY : S.H. SOCKWELL DATE : 2/6/02
CHECKED BY : J.G. KHARVA DATE : 2/28/02
DRAWN BY : ELR 8/91 REV. 2/6/97 EEM/RGW
CHECKED BY : GRP 8/91 REV. 7/17/98 RWW/LES
REV. 10/17/00 RWW/LES