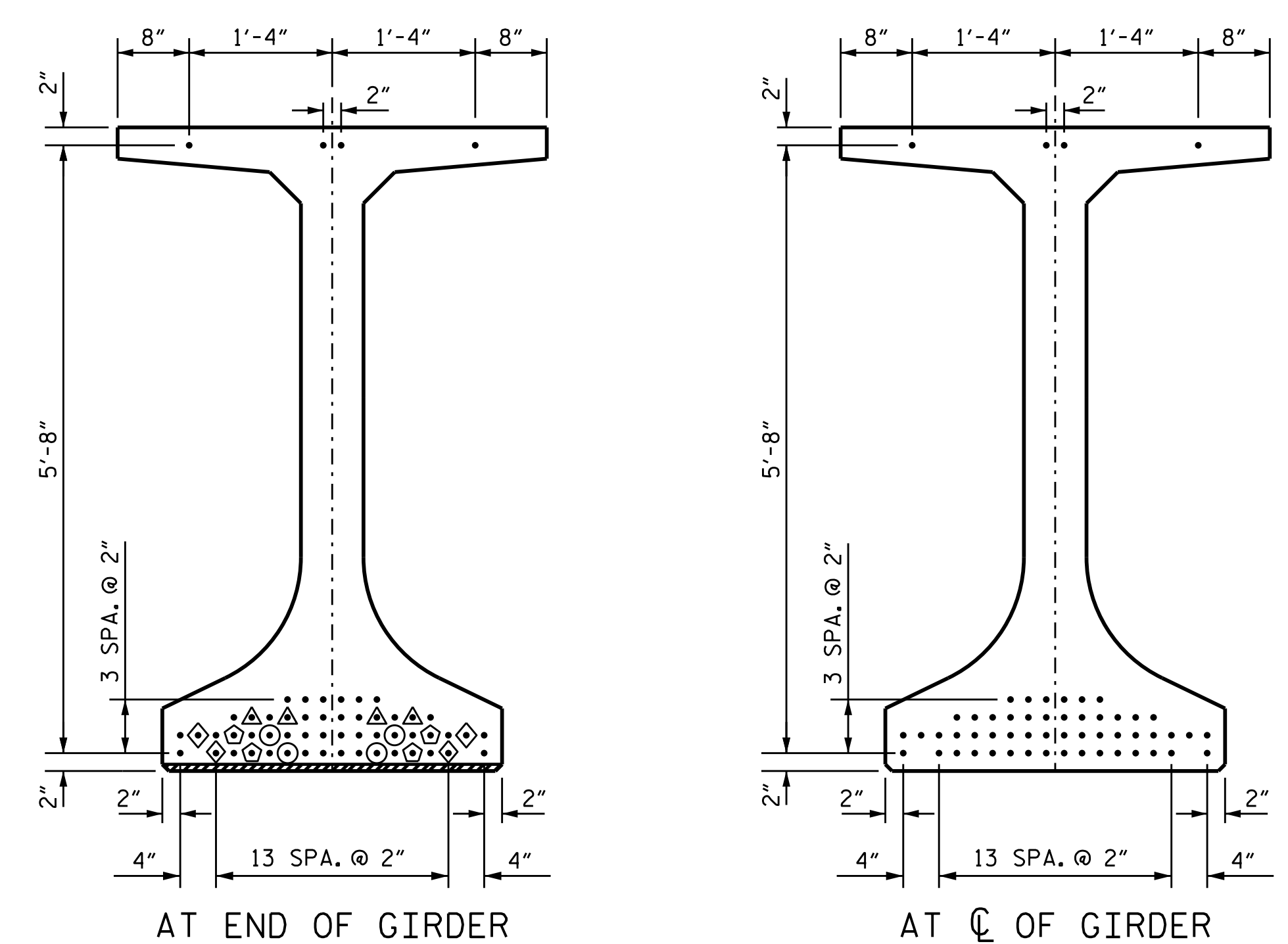
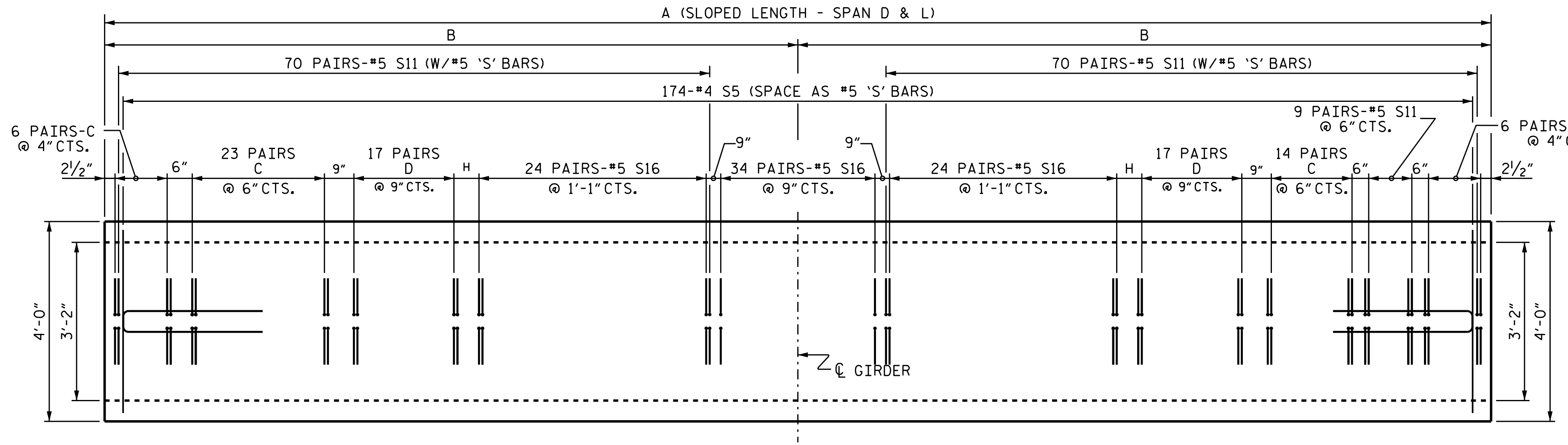


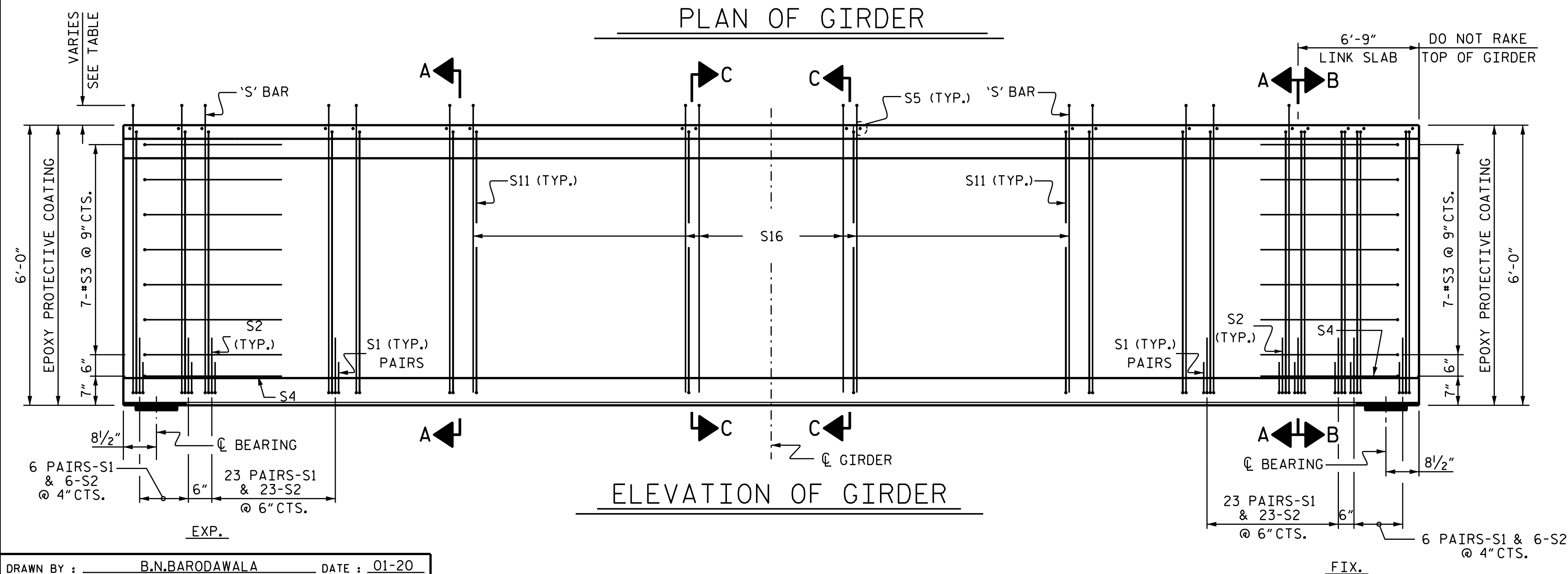
- DEBONDING LEGEND**
- FULLY BONDED STRANDS
  - ▲ STRANDS DEBONDED FOR 6'-0" FROM END OF GIRDER
  - ◆ STRANDS DEBONDED FOR 8'-0" FROM END OF GIRDER
  - ⊕ STRANDS DEBONDED FOR 12'-0" FROM END OF GIRDER
  - ⊙ STRANDS DEBONDED FOR 14'-0" FROM END OF GIRDER



**0.6" Ø CFRP STRAND LAYOUT**



**PLAN OF GIRDER**



**ELEVATION OF GIRDER**

| GIRDER | 8,500 PSI CONCRETE                    |                                       |        |        |                                   |      |
|--------|---------------------------------------|---------------------------------------|--------|--------|-----------------------------------|------|
|        | A                                     | B                                     | C      | D      | H                                 | C.Y. |
| D1     | 129'-8 <sup>5</sup> / <sub>8</sub> "  | 64'-10 <sup>5</sup> / <sub>16</sub> " | #5 S12 | #5 S12 | 8 <sup>5</sup> / <sub>16</sub> "  | 35.3 |
| D2     | 129'-9 <sup>7</sup> / <sub>8</sub> "  | 64'-10 <sup>5</sup> / <sub>16</sub> " | #5 S12 | #5 S12 | 8 <sup>5</sup> / <sub>16</sub> "  | 35.3 |
| D3     | 129'-11 <sup>1</sup> / <sub>4</sub> " | 64'-11 <sup>5</sup> / <sub>8</sub> "  | #5 S12 | #5 S12 | 9 <sup>5</sup> / <sub>8</sub> "   | 35.4 |
| D4     | 130'-0 <sup>5</sup> / <sub>8</sub> "  | 65'-0 <sup>5</sup> / <sub>16</sub> "  | #5 S12 | #5 S12 | 10 <sup>5</sup> / <sub>16</sub> " | 35.4 |
| F1     | 129'-3 <sup>7</sup> / <sub>8</sub> "  | 64'-7 <sup>15</sup> / <sub>16</sub> " | #5 S13 | #5 S13 | 5 <sup>15</sup> / <sub>16</sub> " | 35.2 |
| F2     | 129'-6 <sup>5</sup> / <sub>8</sub> "  | 64'-9 <sup>5</sup> / <sub>16</sub> "  | #5 S13 | #5 S13 | 7 <sup>5</sup> / <sub>16</sub> "  | 35.3 |
| F3     | 129'-9 <sup>3</sup> / <sub>8</sub> "  | 64'-10 <sup>1</sup> / <sub>16</sub> " | #5 S13 | #5 S13 | 8 <sup>1</sup> / <sub>16</sub> "  | 35.3 |
| F4     | 130'-0 <sup>1</sup> / <sub>8</sub> "  | 65'-0 <sup>1</sup> / <sub>16</sub> "  | #5 S13 | #5 S13 | 10 <sup>1</sup> / <sub>16</sub> " | 35.4 |
| J1     | 129'-3 <sup>7</sup> / <sub>8</sub> "  | 64'-7 <sup>15</sup> / <sub>16</sub> " | #5 S15 | #5 S15 | 5 <sup>15</sup> / <sub>16</sub> " | 35.2 |
| J2     | 129'-6 <sup>5</sup> / <sub>8</sub> "  | 64'-9 <sup>5</sup> / <sub>16</sub> "  | #5 S15 | #5 S15 | 7 <sup>5</sup> / <sub>16</sub> "  | 35.3 |
| J3     | 129'-9 <sup>3</sup> / <sub>8</sub> "  | 64'-10 <sup>1</sup> / <sub>16</sub> " | #5 S15 | #5 S15 | 8 <sup>1</sup> / <sub>16</sub> "  | 35.3 |
| J4     | 130'-0 <sup>1</sup> / <sub>8</sub> "  | 65'-0 <sup>1</sup> / <sub>16</sub> "  | #5 S15 | #5 S15 | 10 <sup>1</sup> / <sub>16</sub> " | 35.4 |
| L1     | 129'-2 <sup>7</sup> / <sub>8</sub> "  | 64'-7 <sup>1</sup> / <sub>16</sub> "  | #5 S14 | #5 S13 | 5 <sup>7</sup> / <sub>16</sub> "  | 35.2 |
| L2     | 129'-5 <sup>5</sup> / <sub>8</sub> "  | 64'-8 <sup>3</sup> / <sub>16</sub> "  | #5 S14 | #5 S13 | 6 <sup>3</sup> / <sub>16</sub> "  | 35.2 |
| L3     | 129'-8 <sup>1</sup> / <sub>4</sub> "  | 64'-10 <sup>1</sup> / <sub>8</sub> "  | #5 S14 | #5 S13 | 8 <sup>1</sup> / <sub>8</sub> "   | 35.3 |
| L4     | 129'-11"                              | 64'-11 <sup>1</sup> / <sub>2</sub> "  | #5 S14 | #5 S13 | 9 <sup>1</sup> / <sub>2</sub> "   | 35.4 |

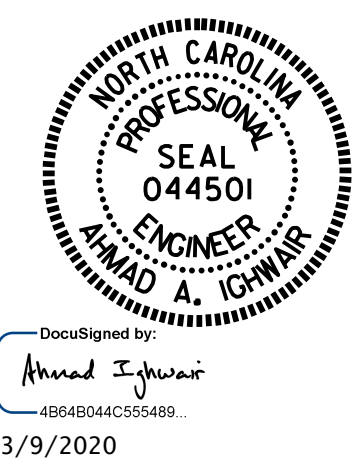
| BAR | PROJECTION |
|-----|------------|
| S12 | 5"         |
| S13 | 6"         |
| S14 | 7"         |
| S15 | 8"         |

| SPANS | BAR | PROJECTION |
|-------|-----|------------|
| D     | S16 | 5"         |
| F & L | S16 | 6"         |
| J     | S16 | 8"         |

PROJECT NO. B-4863  
CARTERET COUNTY  
 STATION: 34+75.00 -L-

SHEET 8 OF 17  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 SUPERSTRUCTURE  
 72" CFRP F.I.B.  
 PRESTRESSED CONCRETE GIRDER  
 (GFRP STIRRUP OPTION)  
 SPAN D, F, J & L



DRAWN BY: B.N.BARODAWALA DATE: 01-20  
 CHECKED BY: A. A. IGHWAIR DATE: 01-20  
 DESIGN ENGINEER OF RECORD: A. A. IGHWAIR DATE: 01-20

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

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED