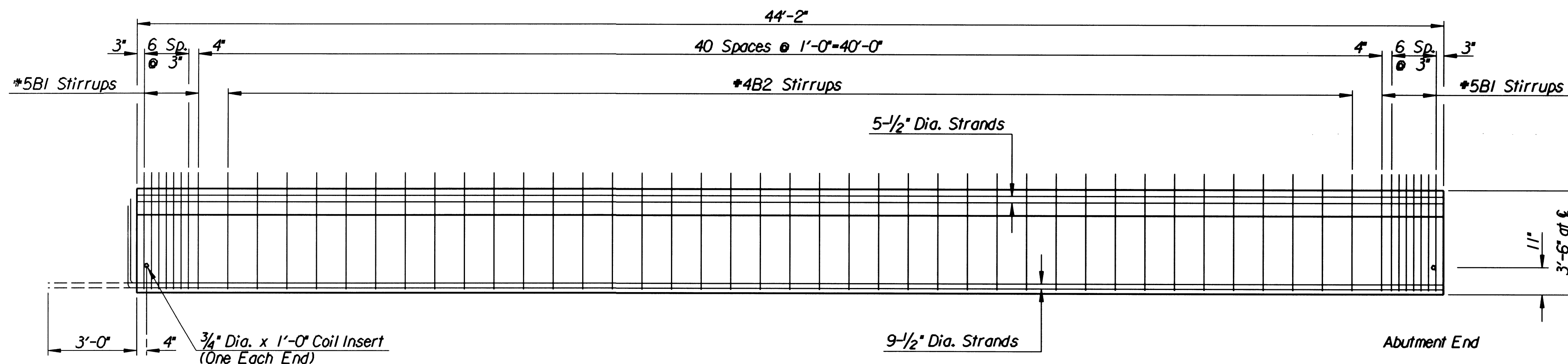
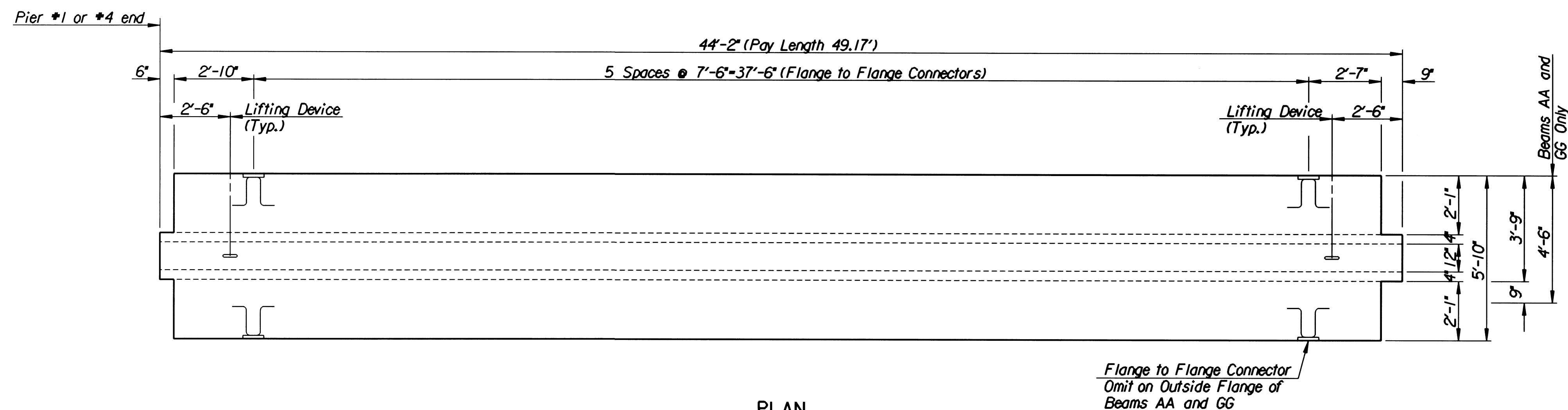




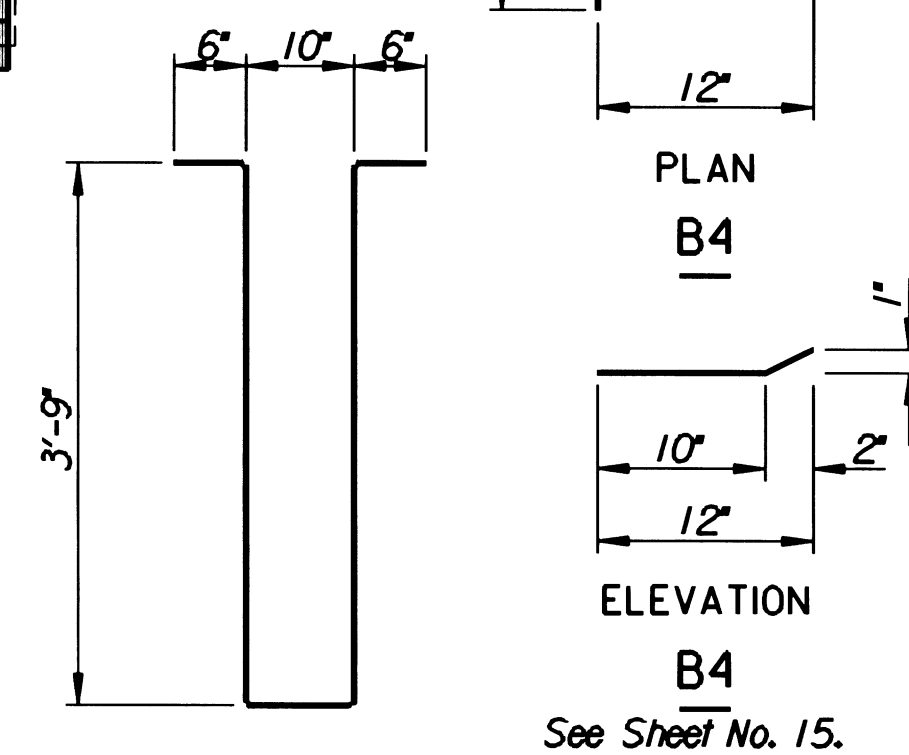
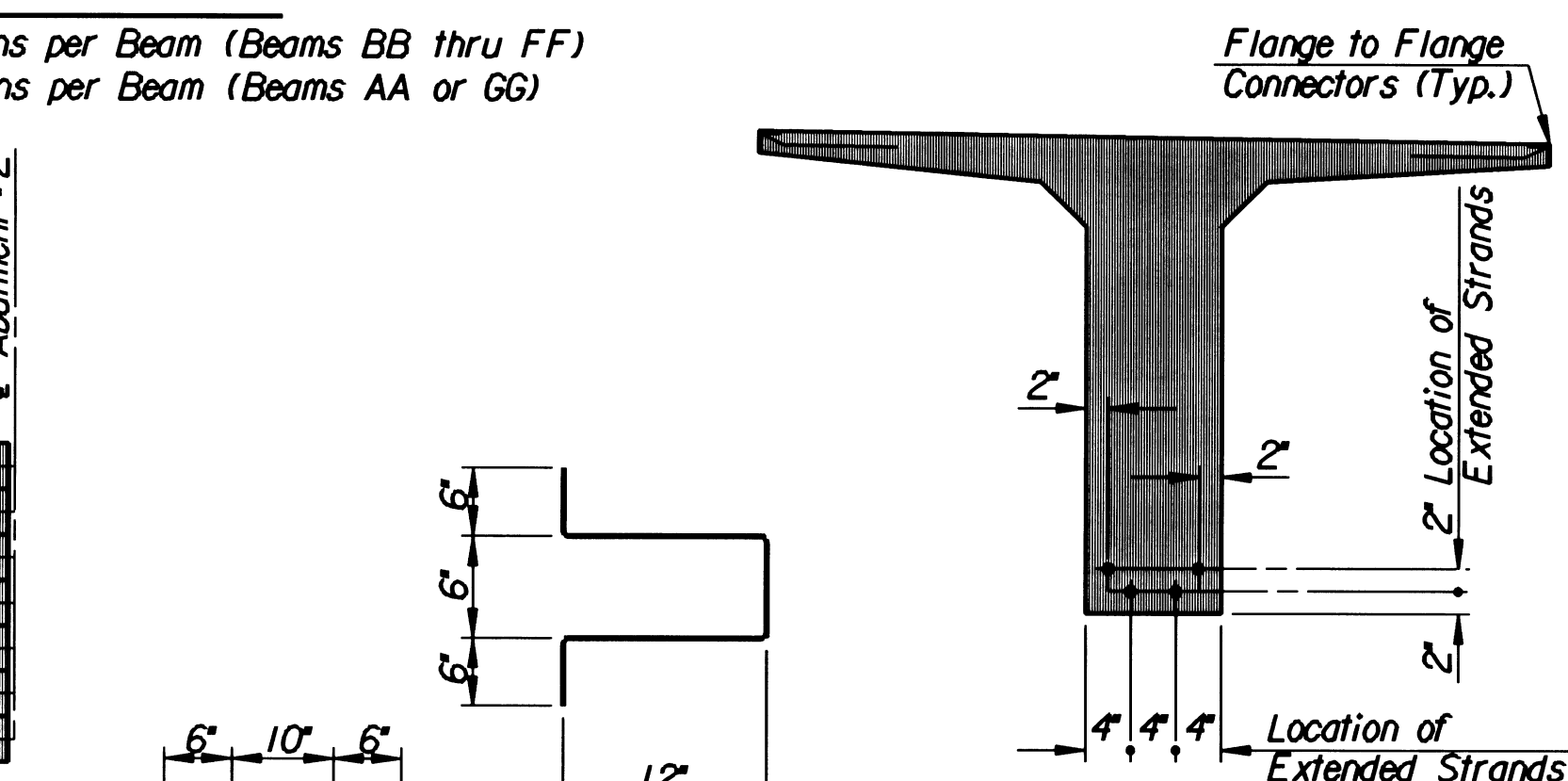
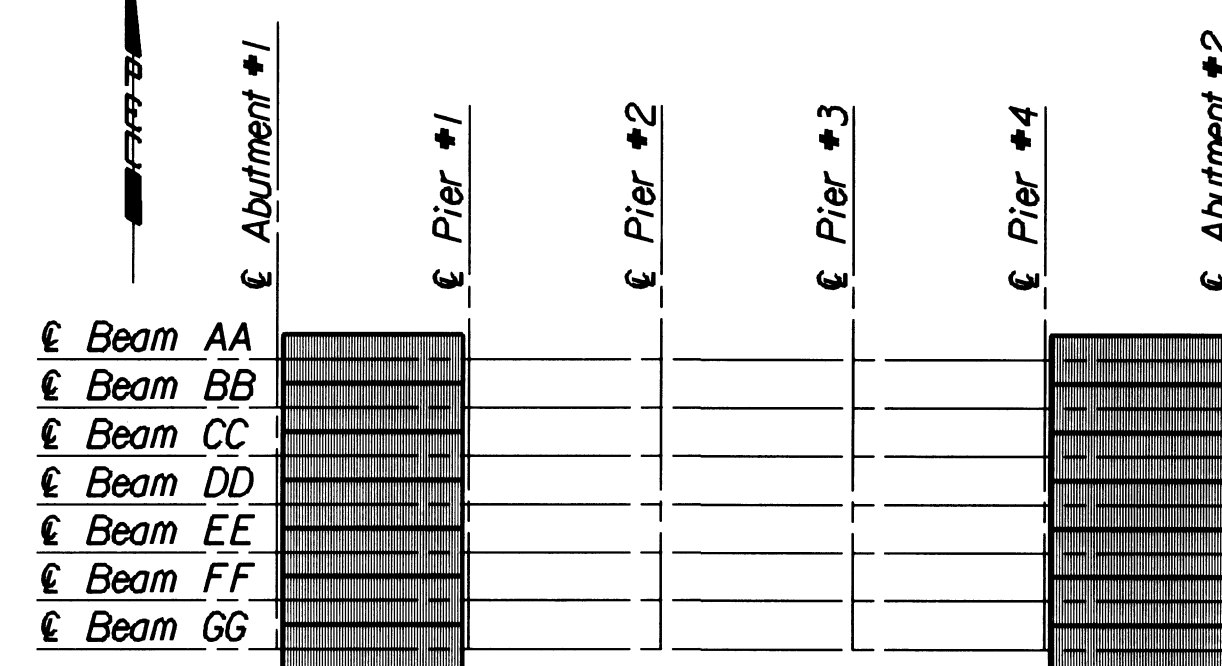
| REINFORCING STEEL XX (ONE BEAM) |                           |           |        |
|---------------------------------|---------------------------|-----------|--------|
| Mark                            | No.                       | Size      | Length |
| B1                              | 16                        | #5        | 9'-4"  |
| B2                              | 39                        | #4        | 9'-4"  |
| B4                              | X                         | #4        | 3'-6"  |
| Strands                         | 14                        | 1/2" Dia. |        |
| 6"x6" Fabric                    | 5'-10" Beam - 242 Sq. Ft. |           |        |
|                                 | 4'-6" Beam - 185 Sq. Ft.  |           |        |

X 6 for Beams AA and GG  
12 for Beams BB, CC, DD, EE and FF.

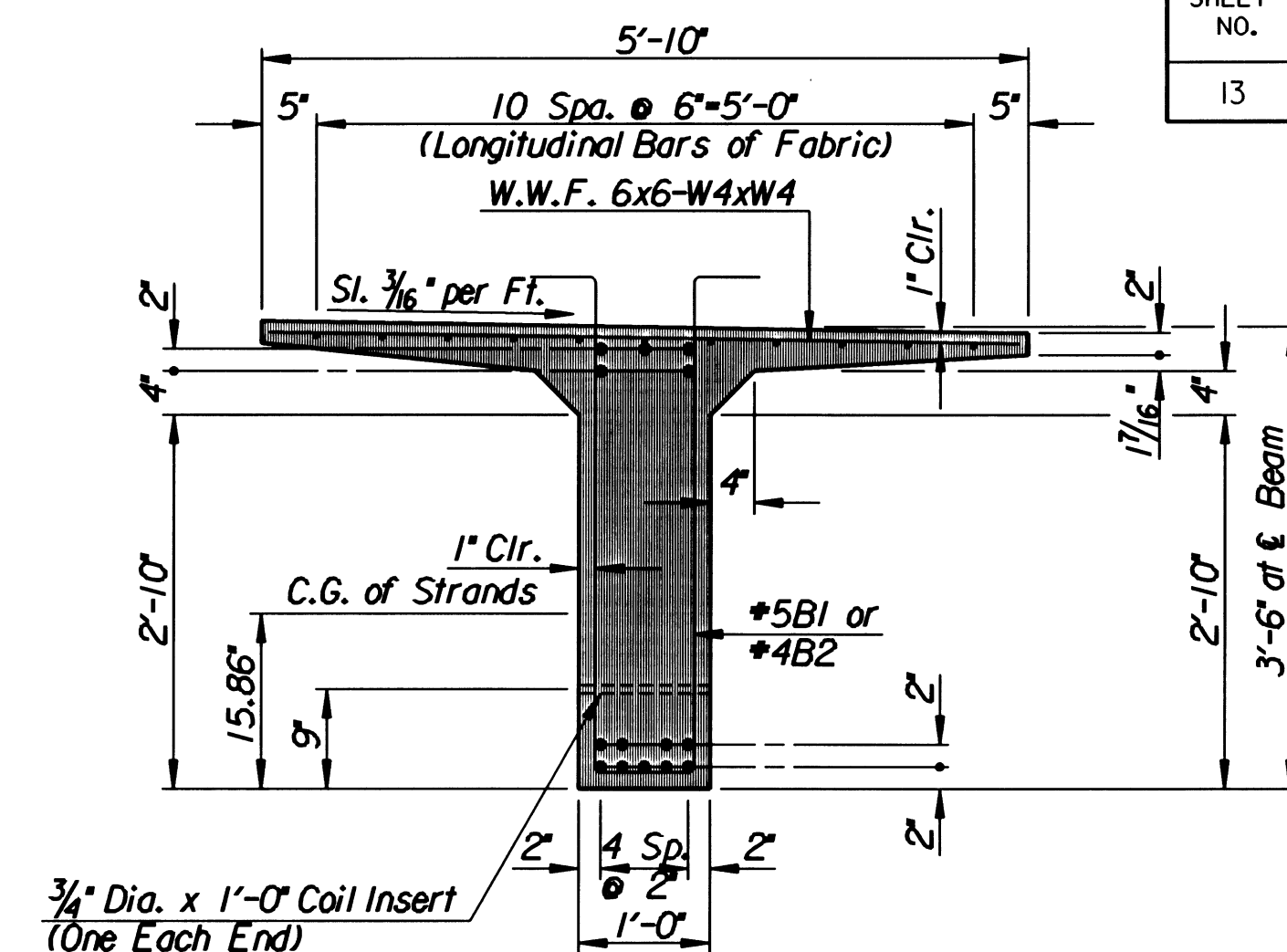
XX See Bending Diagrams

| SUMMARY OF QUANTITIES (FOR 44'-2" BEAM)            |          |                   |                 |
|----------------------------------------------------|----------|-------------------|-----------------|
| (For Information Only)                             |          |                   |                 |
| Item                                               | Unit     | 10-(5'-10" Beams) | 4-(4'-6" Beams) |
| Concrete in Beams (f'c=5000 p.s.i.)                | Cu. Yds. | 79.2              | 29.9            |
| Prestressing Steel A416 1/2" Dia. (Low Relaxation) | Lin. Ft. | 6,183             | 2,473           |
| Reinforcing Steel (Grade 60)                       | Lbs.     | 4,270             | 1,652           |
| Elastomeric Bearing Pads (D60) (3/4"x8"x10/2")     | Each     | 10                | 4               |
| 3/4" Open Coil Insert 6.0M                         | Each     | 20                | 8               |
| Welded Wire Fabric                                 | Sq. Ft.  | 2,420             | 740             |
| 3/4" Threaded Coil Rod x 9'                        | Each     | 40                | 16              |

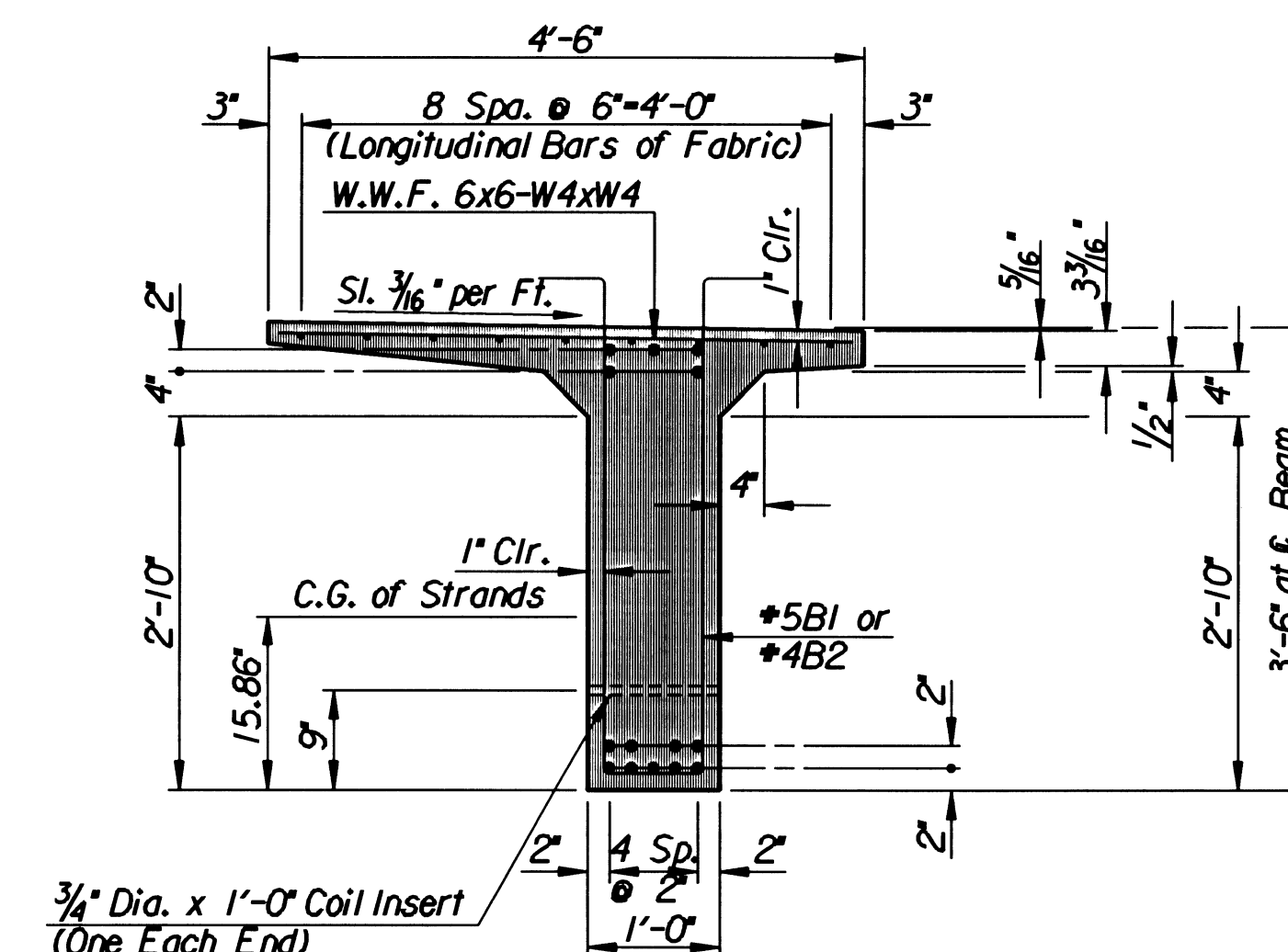
Subsidiary to Prestressed Concrete Beams  
6.0M Designates 6000 Lbs. Safe Load in Tension.



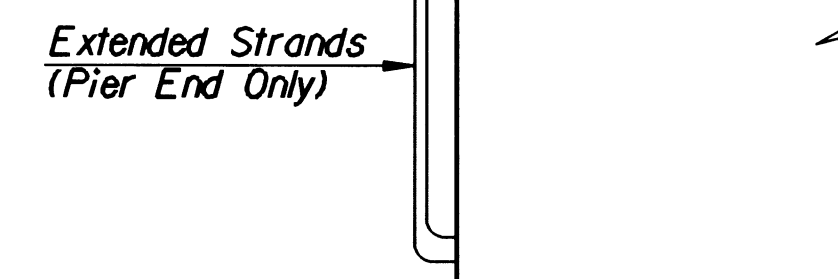
BENDING DIAGRAMS  
Dimensions are out to out of bars



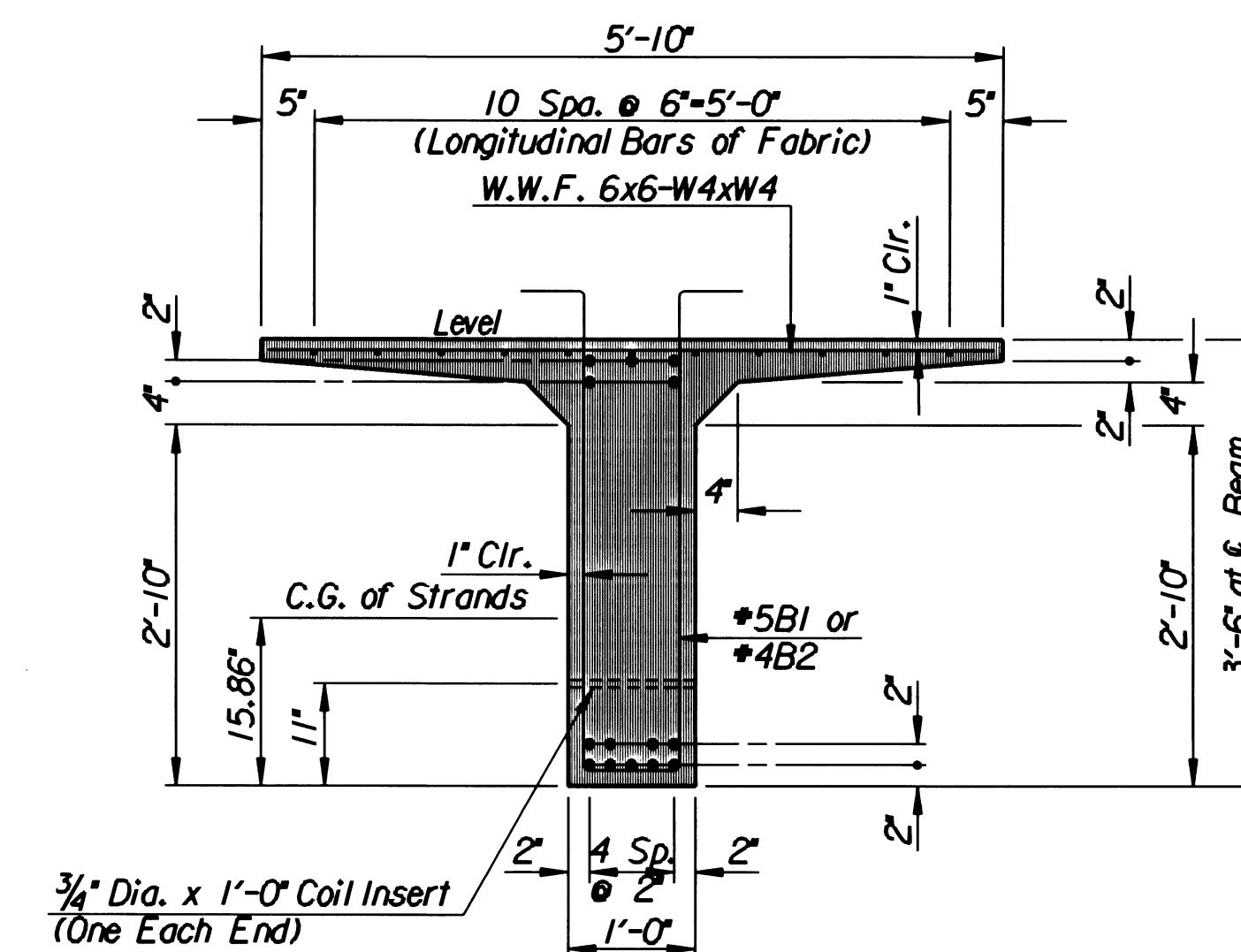
TYPICAL SECTION (Beams BB, CC, EE and FF) 44'-2" Beam



TYPICAL SECTION (Beams AA and GG) 44'-2" Beam



PART ELEVATION OF BEAM (Showing Extended Strands) Strands shall be bent on a 3" Dia. pin.



TYPICAL SECTION (Beam DD) 44'-2" Beam

| Revisions                                                                                                                                                                                                                                                                   |        | By         | Date      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------|-----------|
| No.                                                                                                                                                                                                                                                                         |        |            |           |
| CITY OF WICHITA, KANSAS<br>MICHAEL E. LINDEBAK, P.E.-CITY ENGINEER<br>MURDOCK BRIDGE<br>OVER LITTLE ARKANSAS RIVER<br>44'-2" SINGLE T BEAM DETAILS<br>CITY OF WICHITA PROJECT NO. 472-82785<br>DESIGNED BY<br>PROFESSIONAL ENGINEERING CONSULTANTS, P.A.<br>WICHITA, KANSAS |        |            |           |
| Designed by                                                                                                                                                                                                                                                                 | R.W.A. | Checked by | R.A.S.    |
| Drawn by                                                                                                                                                                                                                                                                    | W.L.L. | Date       | Oct. 1998 |
|                                                                                                                                                                                                                                                                             |        | Job No.    | 96940     |