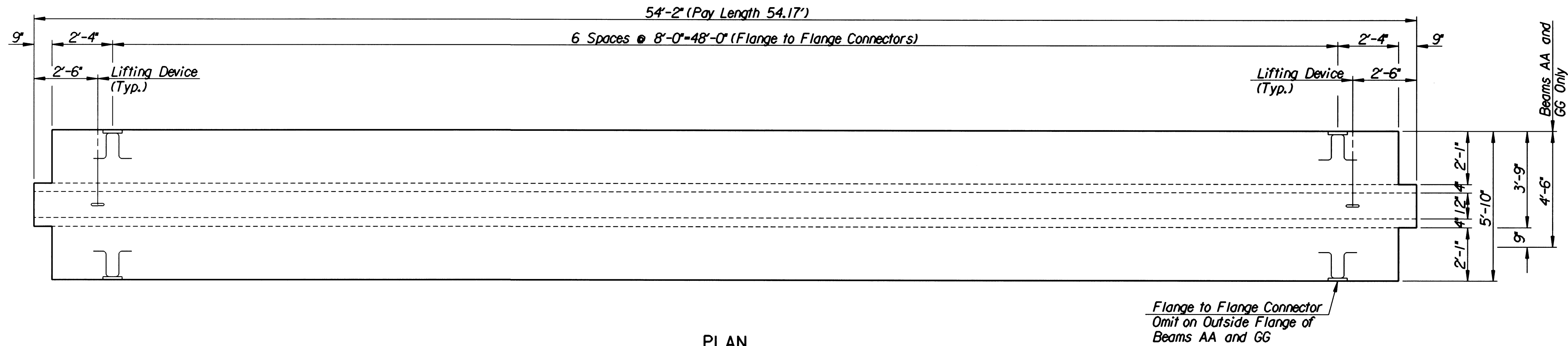
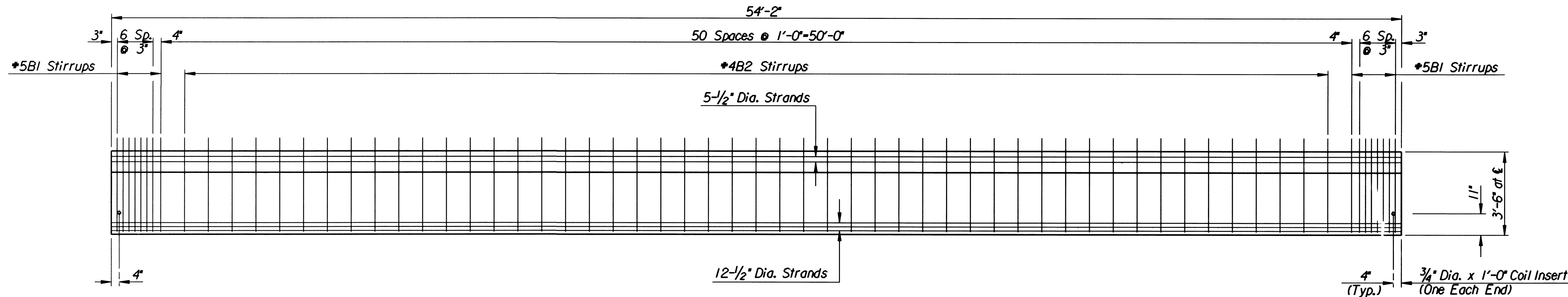




PLAN

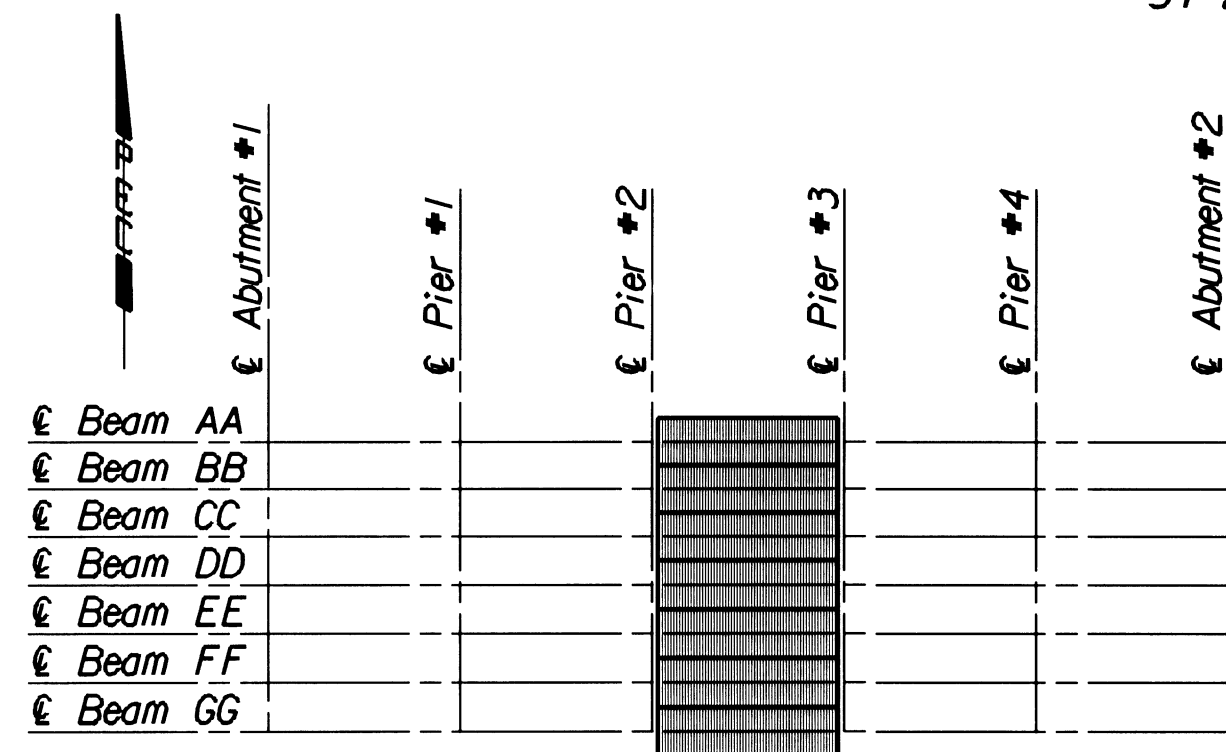


ELEVATION OF SINGLE "T"
PRESTRESSED CONCRETE BEAM

54'-2" Beam - 19.0 Tons per Beam (BB thru FF)
17.9 Tons per Beam (AA or GG)

REINFORCING STEEL ** (ONE BEAM)			
Mark	No.	Size	Length
B1	16	#5	9'-4"
B2	49	#4	9'-4"
B4	X	#4	3'-6"
Strands	17	1/2" Dia.	
6"x6" Fabric	5'-10" Beam - 305 Sq. Ft.		
	4'-6" Beam - 233 Sq. Ft.		

X 7 for Beams AA and GG
14 for Beams BB, CC, DD, EE and FF.

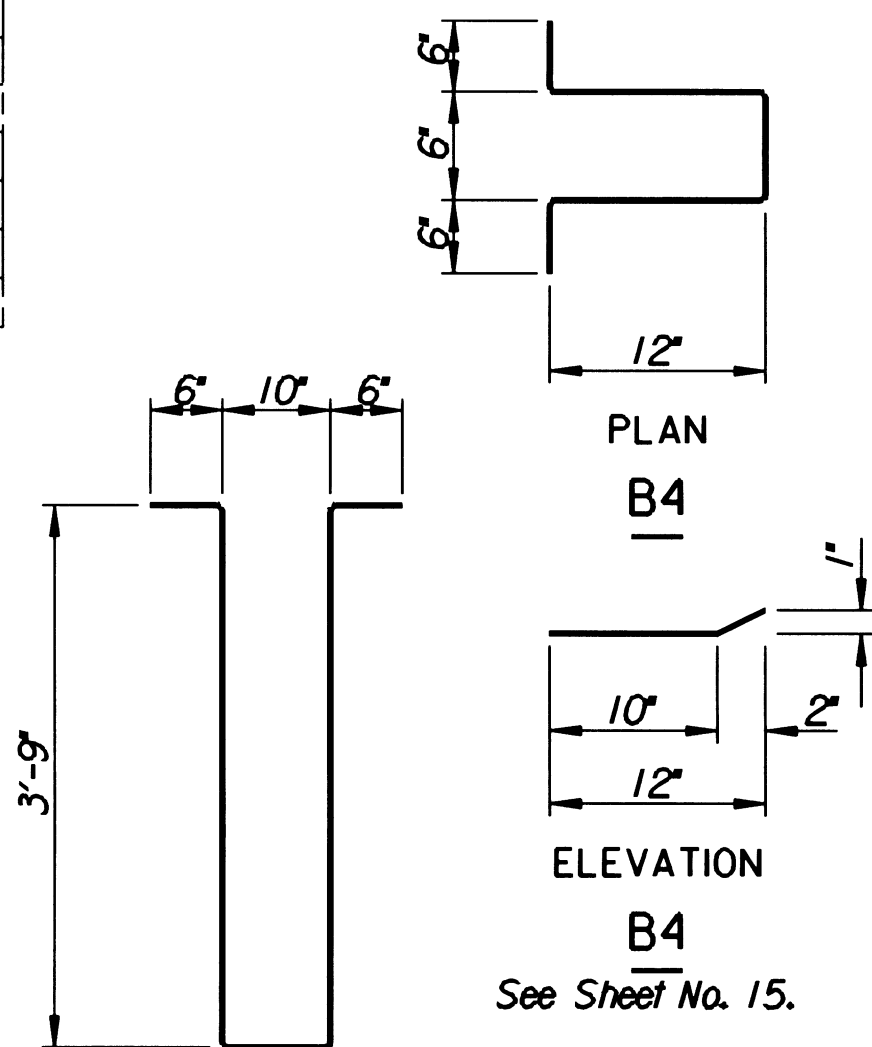


BEAM LOCATION PLAN

** See Bending Diagrams

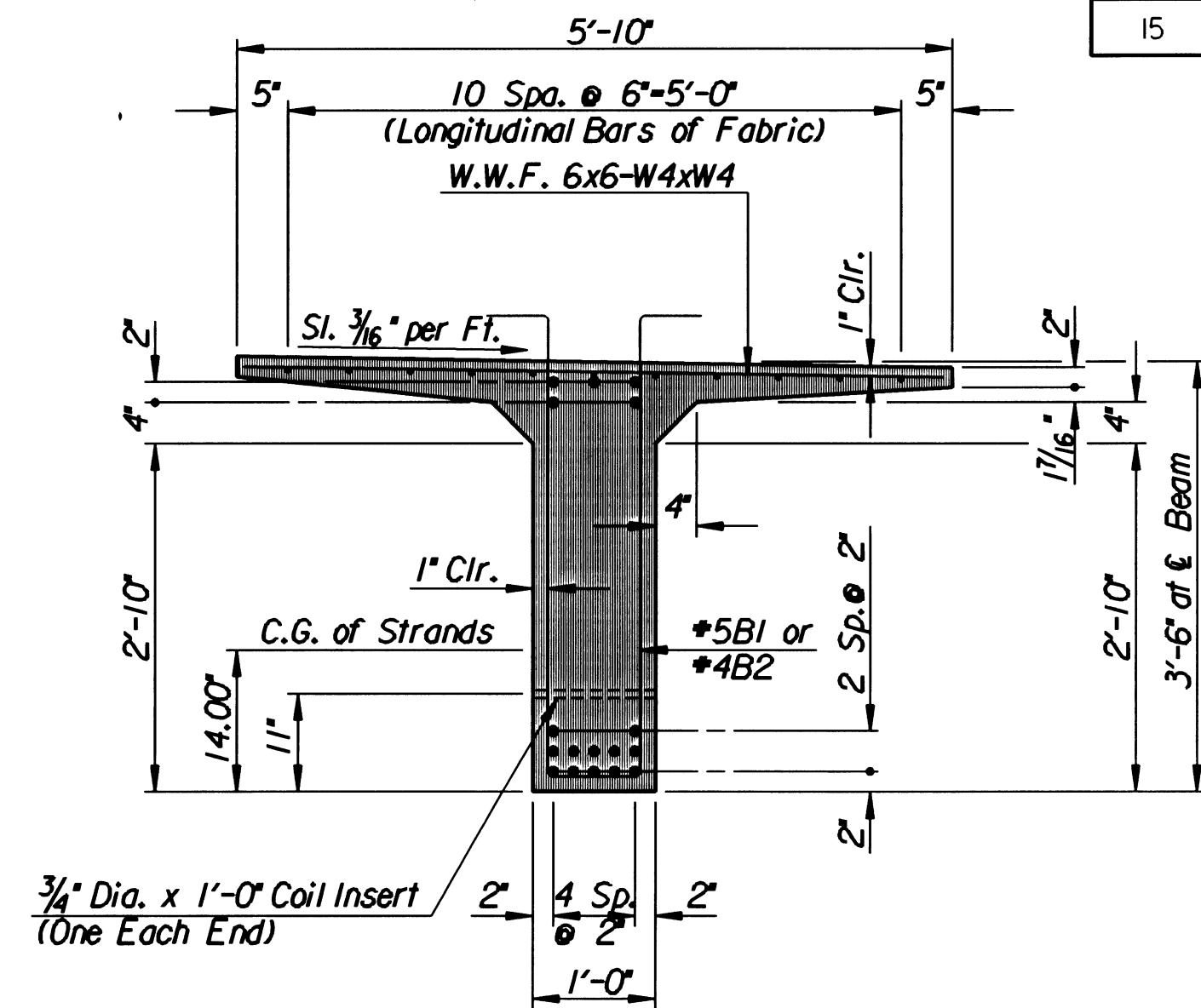
SUMMARY OF QUANTITIES (FOR 54'-2" BEAM) (For Information Only)			
Item	Unit	5-(5-10" Beams)	2-(4'-6" Beams)
Concrete in Beams (f'c=5000 p.s.i.)	Cu. Yds.	48.6	18.3
Prestressing Steel A416 1/2" Dia. (Low Relaxation)	Lin. Ft.	4,605	1,842
Reinforcing Steel (Grade 60)	Lbs.	2,470	955
3/4" Open Coil Insert 6.0M	Each	10	4
Welded Wire Fabric	Sq. Ft.	1,525	466
3/4" Threaded Coil Rod x 9'	Each	20	8

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

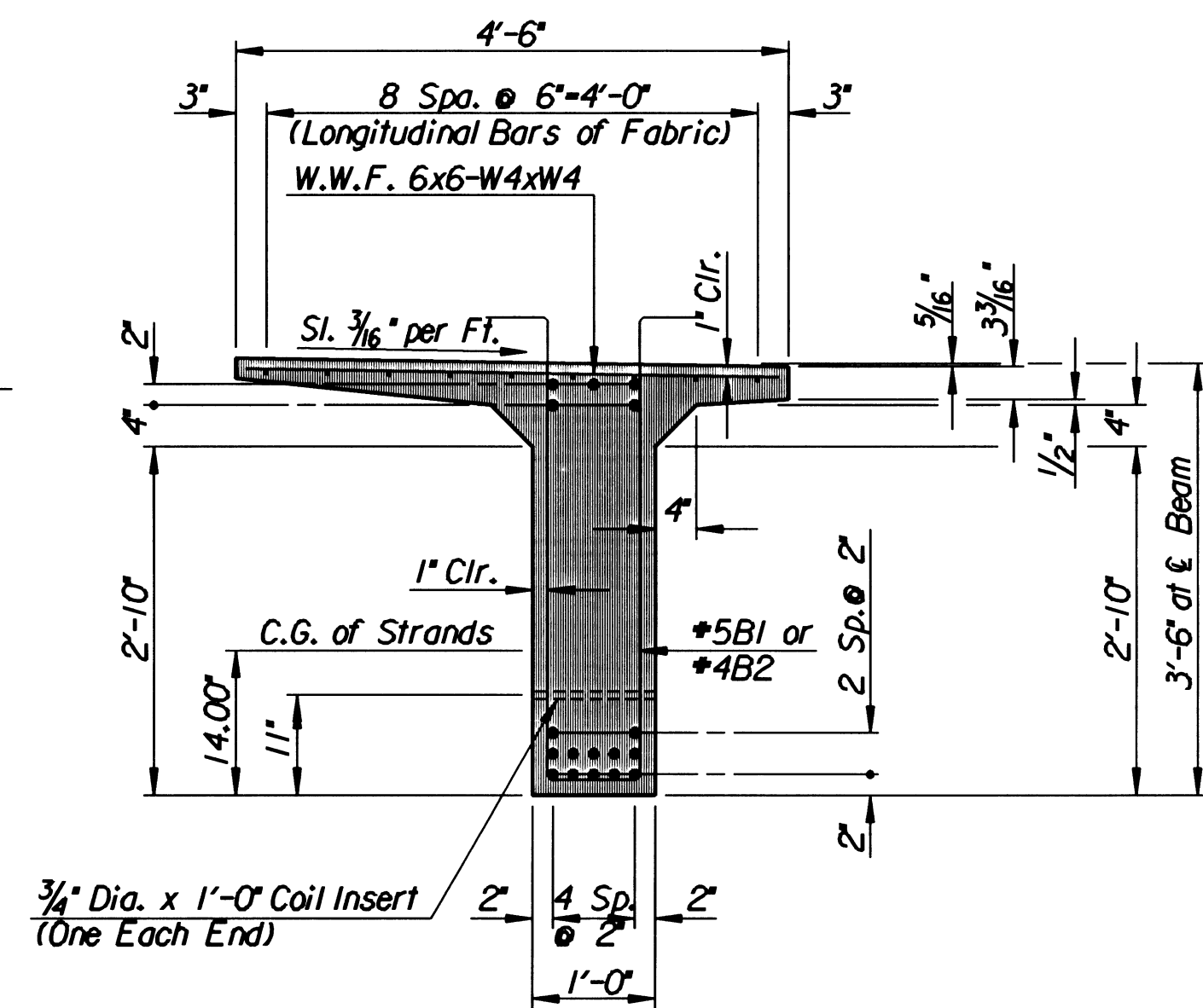


BI AND B2

BENDING DIAGRAMS
Dimensions are out to out of bars



TYPICAL SECTION
(Beams BB, CC, EE and FF)
54'-2" Beam



TYPICAL SECTION
(Beams AA and GG)
54'-2" Beam

Revisions			
No.	By	Date	
CITY OF WICHITA, KANSAS MICHAEL E. LINDEBAK, P.E.-CITY ENGINEER MURDOCK BRIDGE OVER LITTLE ARKANSAS RIVER 54'-2" SINGLE T BEAM DETAILS CITY OF WICHITA PROJECT NO. 472-82785 PROFESSIONAL ENGINEERING CONSULTANTS, P.A. ENGINEERS WICHITA, KANSAS			
Designed by	R.W.A.	Checked by	R.A.S.
Drawn by	W.L.L.	Date	Oct. 1998
		Job No.	96940