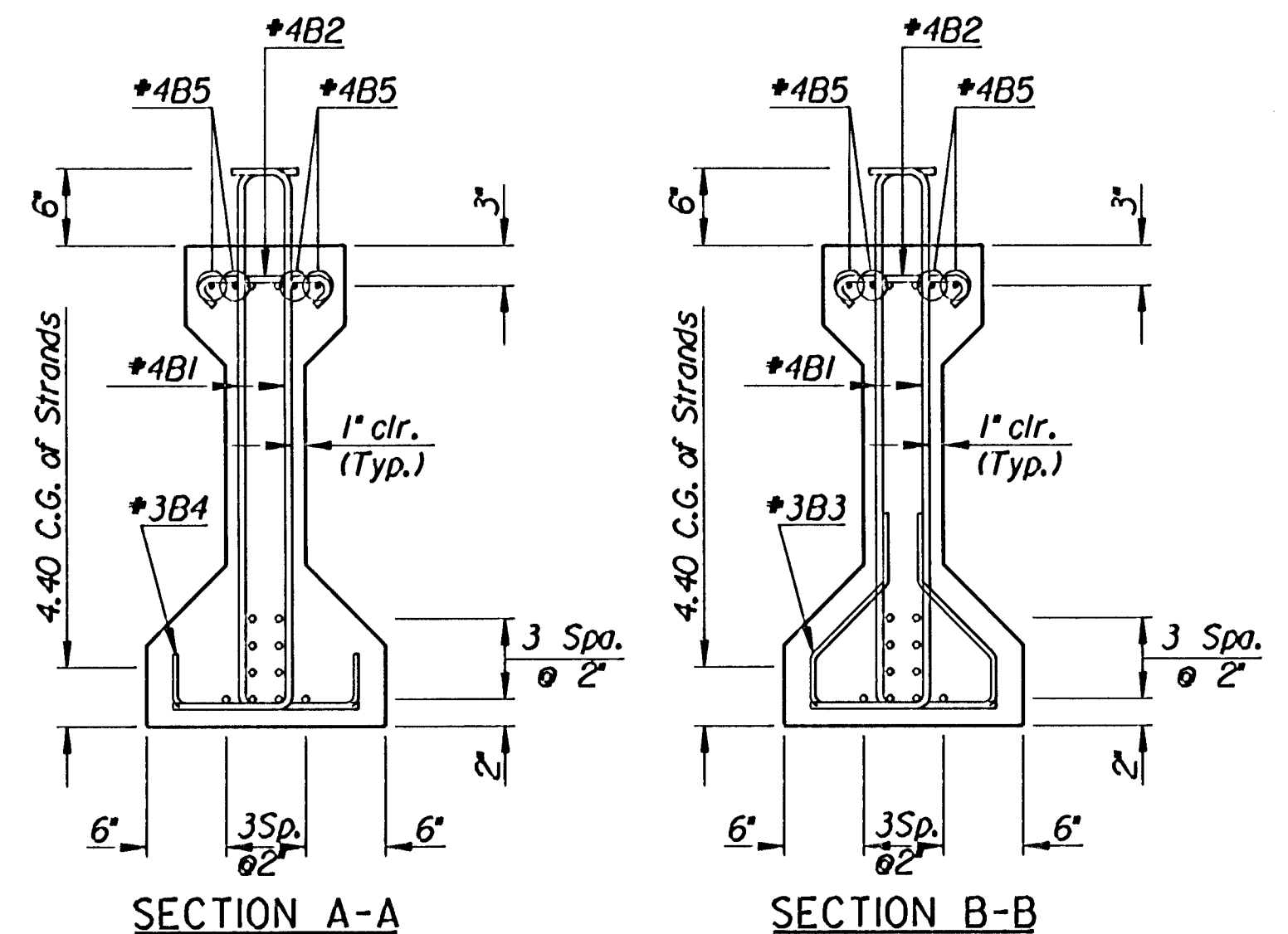
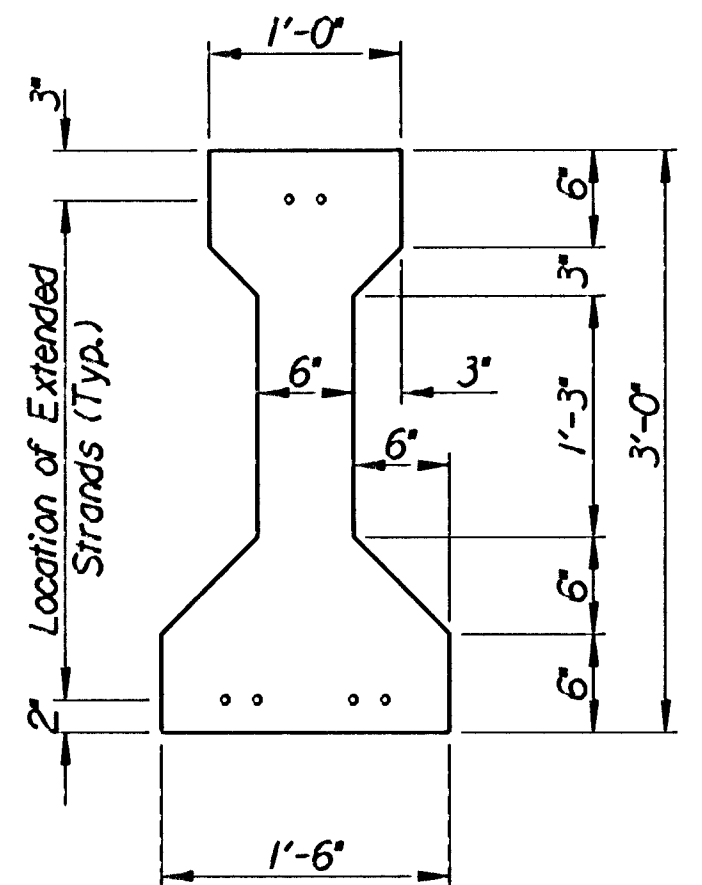
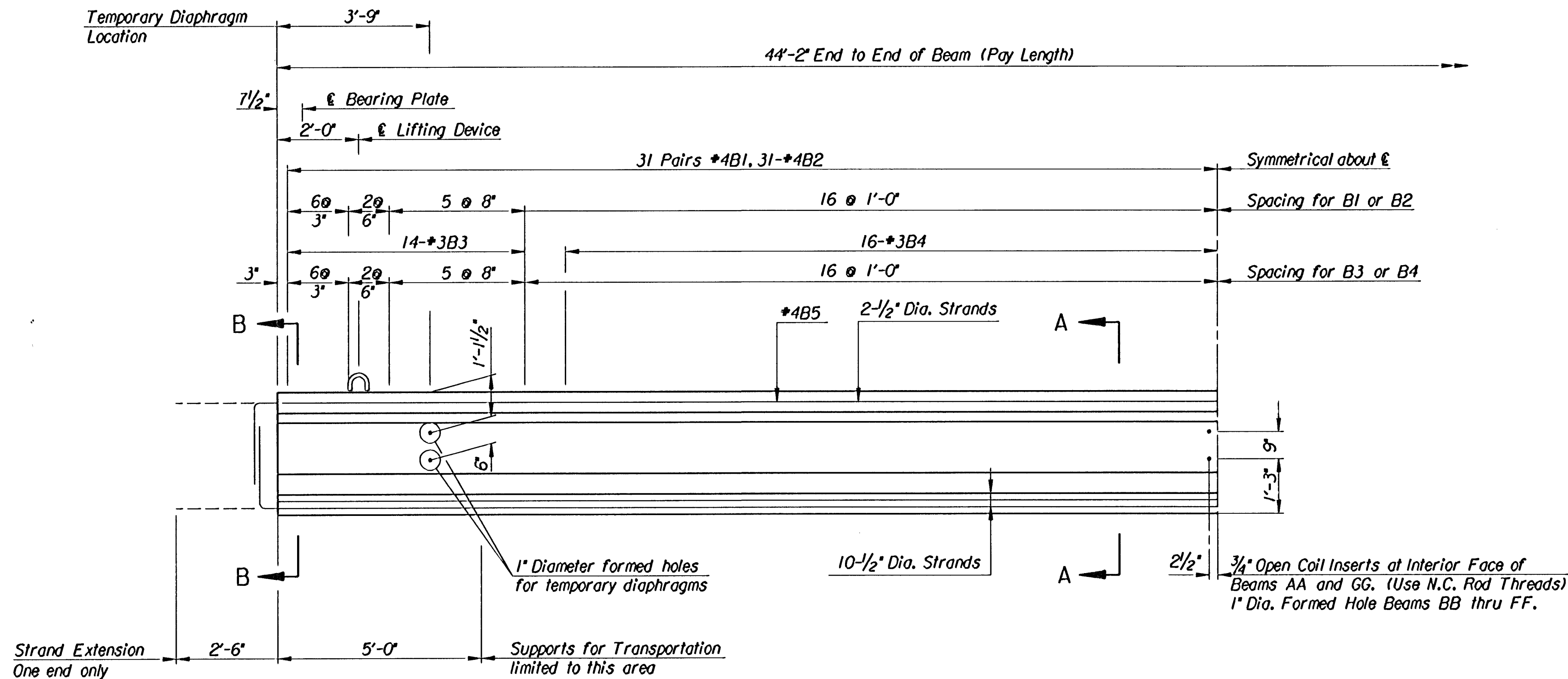


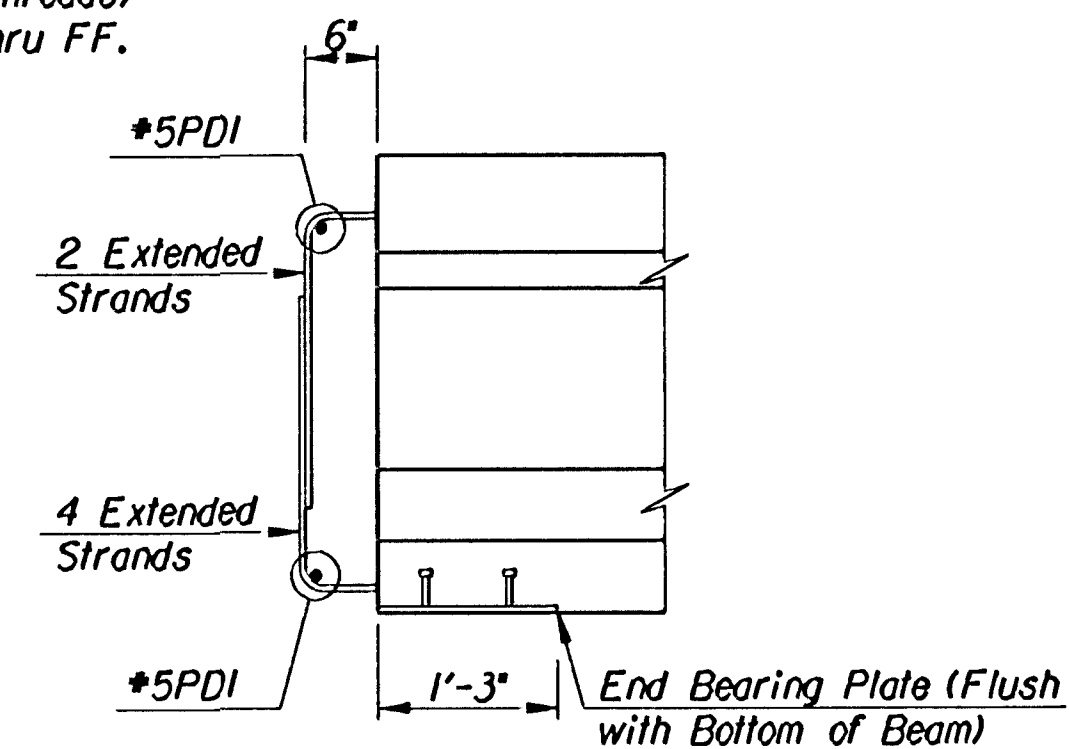
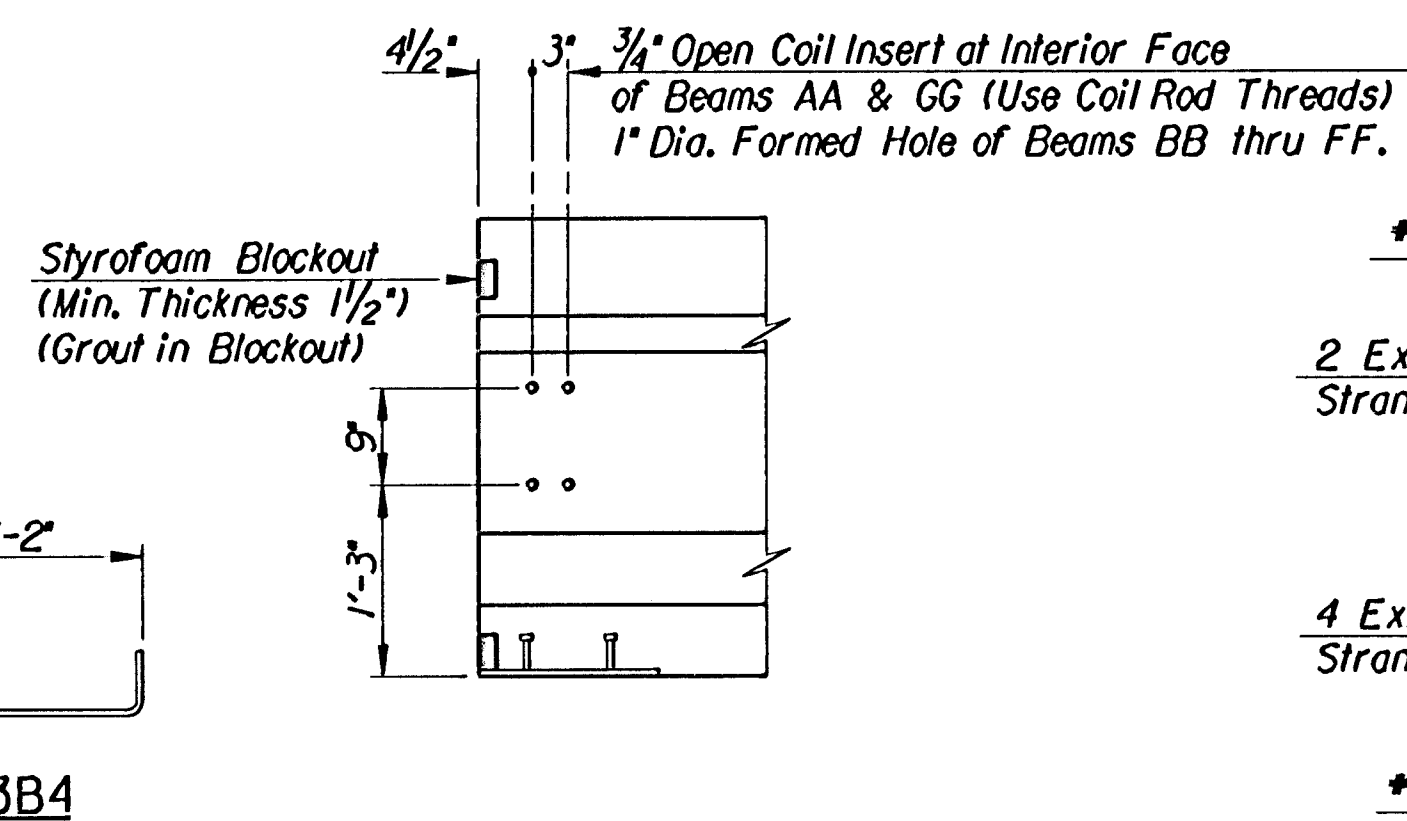
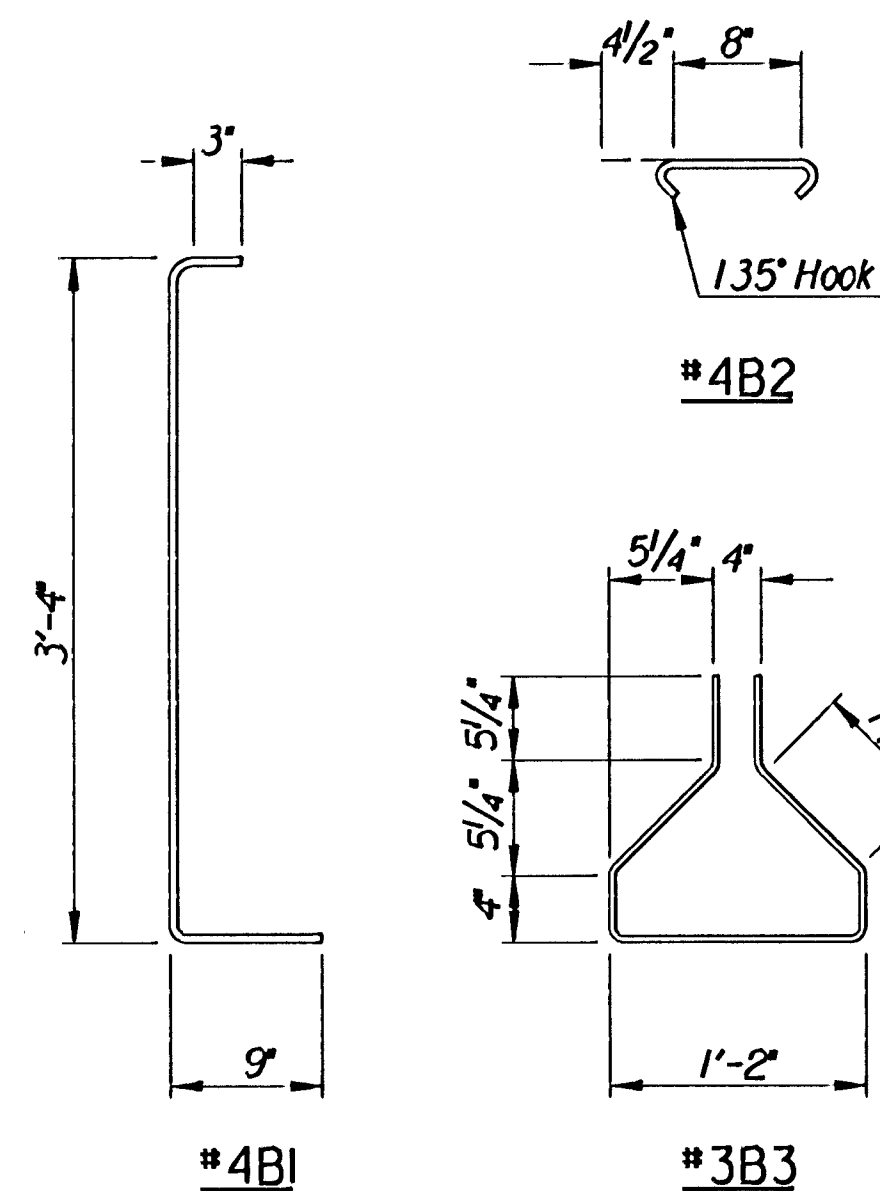


REINFORCING STEEL				
Mark	No.	Size	Length	
44'-2" Beam-1 Listed-14 Req'd.				
STRAIGHT BARS				
B5	8	*4	22'-8"	
BENT BARS				
B1	122	*4	4'-4"	
*B2	61	*4	1'-5"	
*B3	28	*3	4'-0"	
*B4	31	*3	1'-10"	

* Grade 40 may be substituted.

SUMMARY OF QUANTITIES			
Item	Unit	Total	
Prestressed Concrete Beams (K2 - 44'-2" Beam)	Lin. Ft.	618.33	
The following Quantities are given for Information Only (Total for 14 Beams)			
Concrete in Beams (f'c = 6,000 p.s.i.)	Cu. Yds.	58.7	
Prestressing Steel A416 1/2" Dia. (Low Relaxation)	Lin. Ft.	7,840.0	
Reinforcing Steel (Grade 60) (Epoxy Coated)	Lbs.	8,334	
Elastomeric Bearing Pads (D60) (3/4"x8"x1'-6")	Each	14	
3/4" Open Coil Insert 6.0M (Coil Thread)	Each	32	
3/4" Threaded Coil Rods x 1'-6"	Each	32	
End Bearing Plates (Galvanized) (11/2"x15"x1'-4")	Each	28	

6.0M Designates 6000 Lbs. Load in Tension.



Note:

Reinforcing Steel shall be Grade 60 unless otherwise designated in the Bar List.

There shall be 4 strands extended 2'-6" from the bottom end of all beams. Two additional strands shall be extended from the top of the beams. See Typical Section for strand extension location. Exterior Pier Beams shall have extended strands bent to adhere to diaphragm clearance.

Ends of Prestressed Beams shall be traeted with an approved sealer prior to diaphragm construction.

Revisions			
No.	By	Date	
CITY OF WICHITA, KANSAS JAMES L. ARMOUR, P.E., ACTING CITY ENGINEER MURDOCK BRIDGE OVER LITTLE ARKANSAS RIVER K2 BEAM DETAILS SPAN NO. 1 AND 5 CITY OF WICHITA PROJECT NO. 472-83895			
Professional Engineering Consultants, P.A. 303 S. TOPICKA • WICHITA, KANSAS 67202 316-262-2691 • FAX 316-262-3003			
Designed by	R.A.S.	Checked by	M.S.N.
Drawn by	W.L.L.	Date	Oct. 2003
		Job No.	96940-2