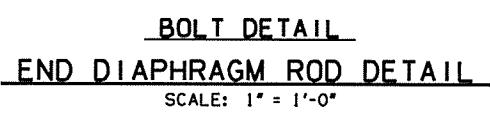


① SEE DETAIL B, TYPICAL SECTION SHEET FOR MATERIALS AND PAINT

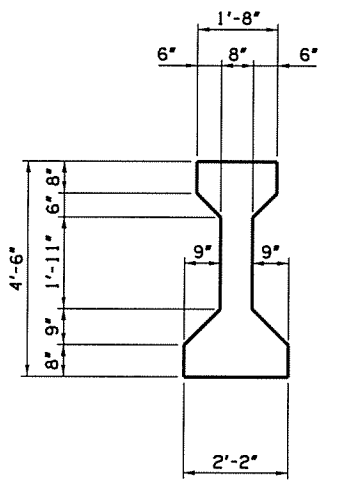


PRESTRESSED CONCRETE BEAM NOTES:

COMPRESSIVE STRENGTH
PROVIDE CONCRETE WITH A COMPRESSIVE STRENGTH OF 7,500 P.S.I. AT TRANSFER OF PRESTRESS AND 10,000 P.S.I. AT 28 DAYS.

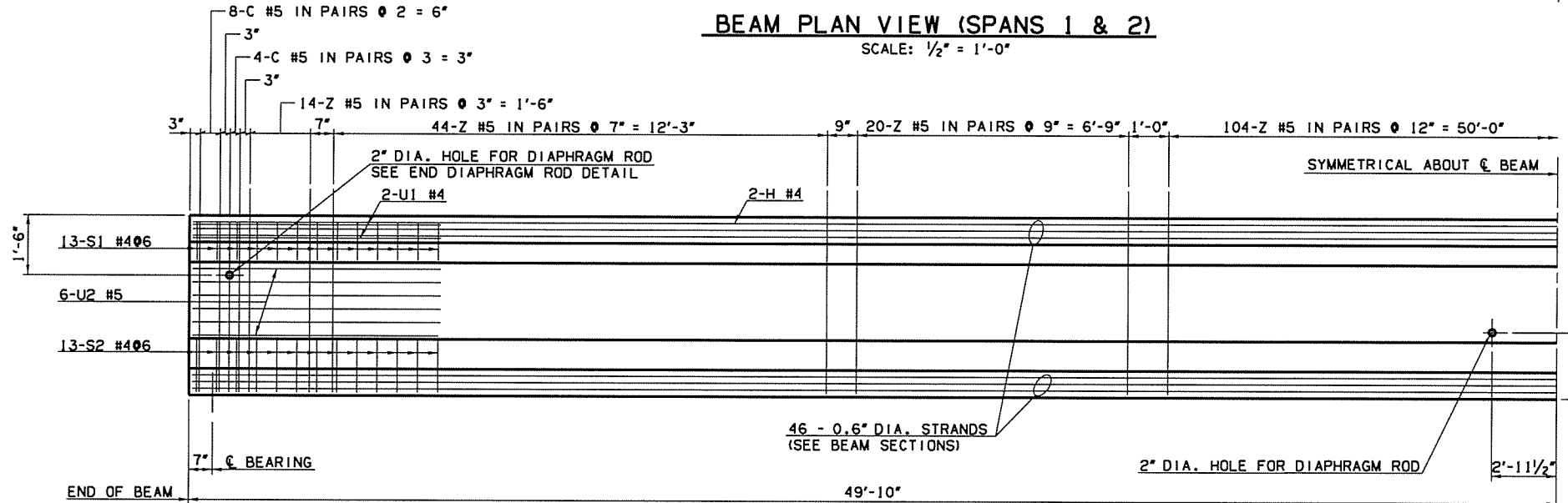
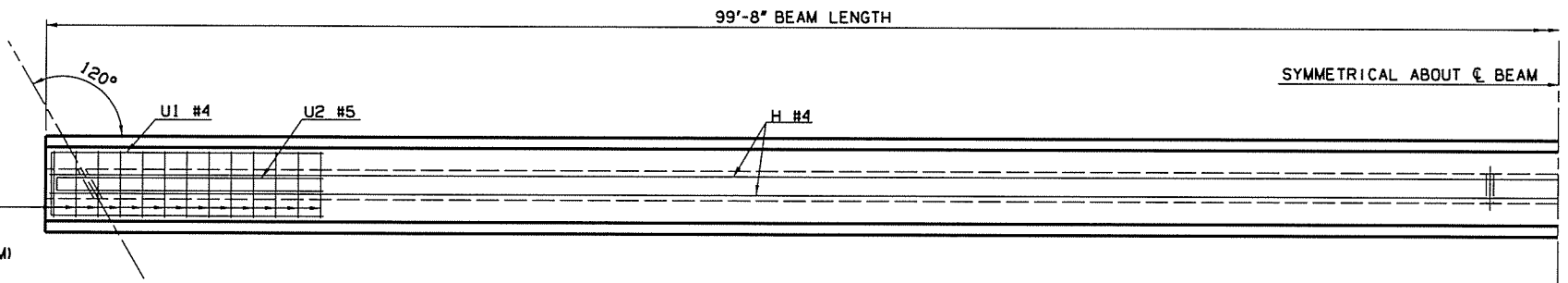
STRAND TYPE
PROVIDE LOW-RELAXATION STRANDS HAVING A NOMINAL DIAMETER OF 0.6" WITH ULTIMATE TENSILE STRENGTH OF 270 K.S.I.

LRFR OPERATING RATING - 1.80
THE OPERATING RATING SHOWN IS BASED ON A NORMAL STRENGTH USING ONLY STRANDS THAT ARE BONDED FOR THE FULL LENGTH OF THE BEAM. ALL PARTIALLY BONDED STRANDS ARE NEGLECTED IN STRENGTH COMPUTATIONS.

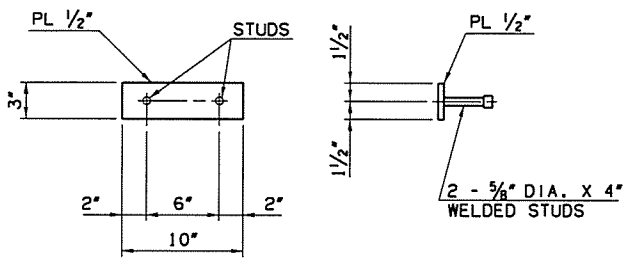
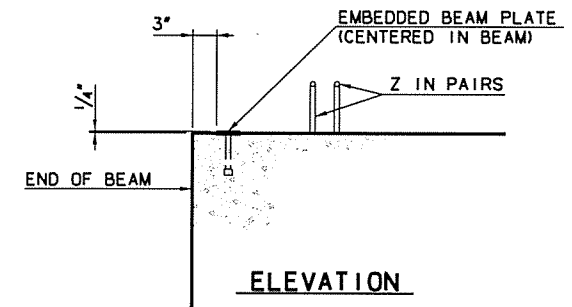


(TYPE IV P.C. BEAM)

END VIEW
SCALE: 1/2" = 1'-0"



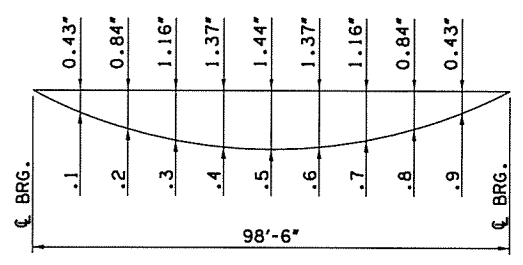
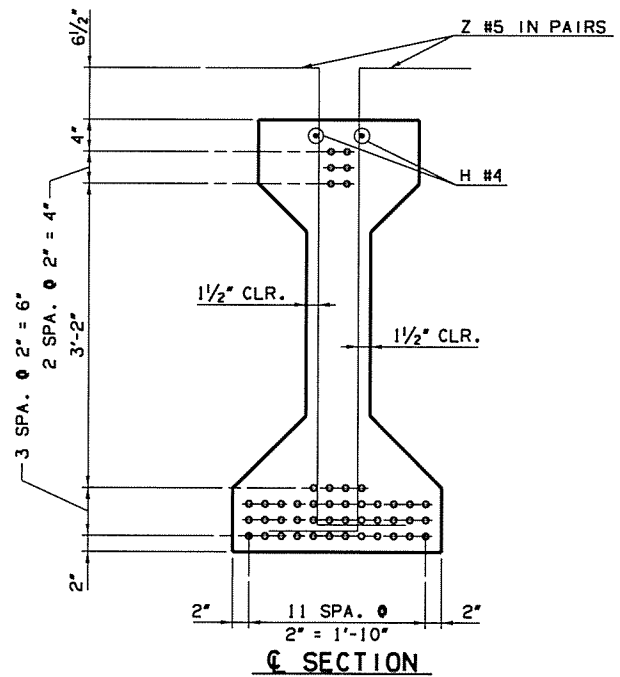
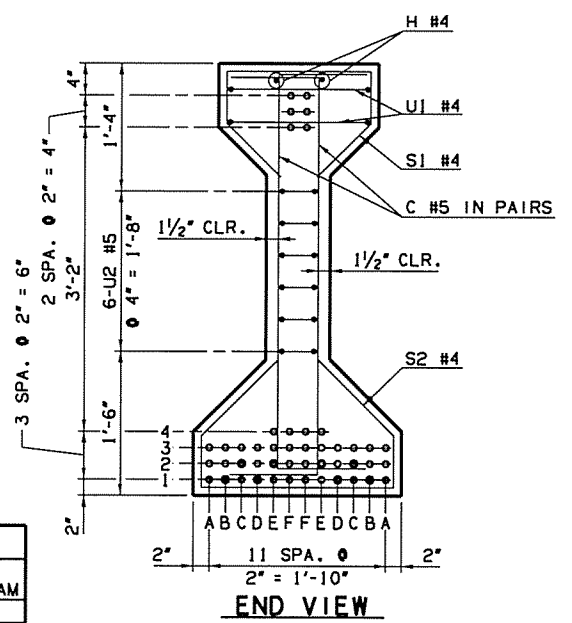
FOR BAR BENDS AND ADDITIONAL DETAILS SEE B40-C-PCB-DTL.



EMBEDDED BEAM PLATE DETAILS
SCALE: NONE

NOTE:
PROVIDE AN EMBEDDED PLATE AT EXPANSION ENDS ONLY.

DEBOND SCHEDULE	
DEBOND PAIR	DEBOND LENGTH FROM END OF BEAM
B1	8'-0"
D1	8'-0"
C2	4'-0"
E2	4'-0"



NOTE:
THE DEAD LOAD DEFLECTION SHOWN ABOVE AT THE TENTH POINTS ARE THE INITIAL DEFLECTIONS DUE TO DECK SLAB + DIAPHRAGMS + HAUNCH + 42" F-SHAPED PARAPET. IT DOES NOT INCLUDE THE BEAM WEIGHT OR FUTURE WEARING SURFACE.

Design	AEJ 6/16	US 169 OVER HICKORY CREEK	NOWATA COUNTY
Drawn	WZB 6/16	BRIDGE A	
Checked	KAJ 6/16	P.C. TYPE IV BEAM DETAILS	
Approved	SAK 6/16	(SHEET 1 OF 2)	
Squad	BENHAM	Job Piece No. 24750(04)	Sheet No. 64

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