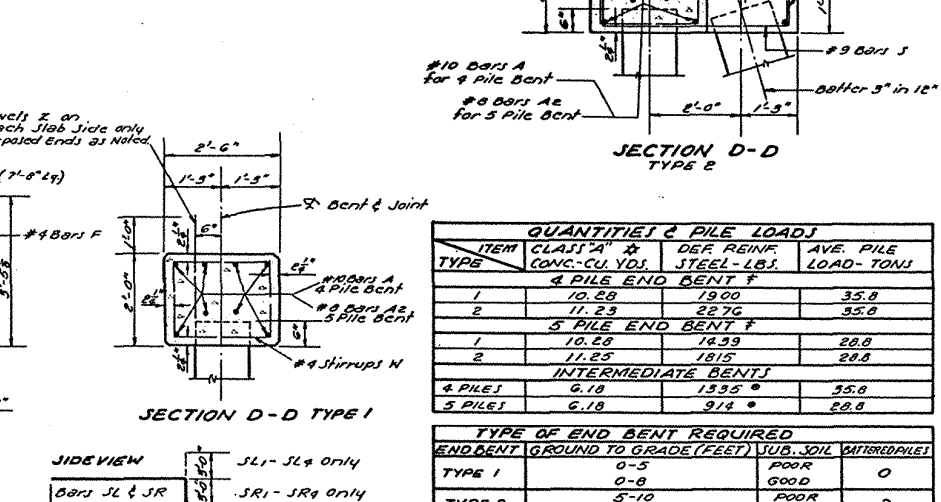
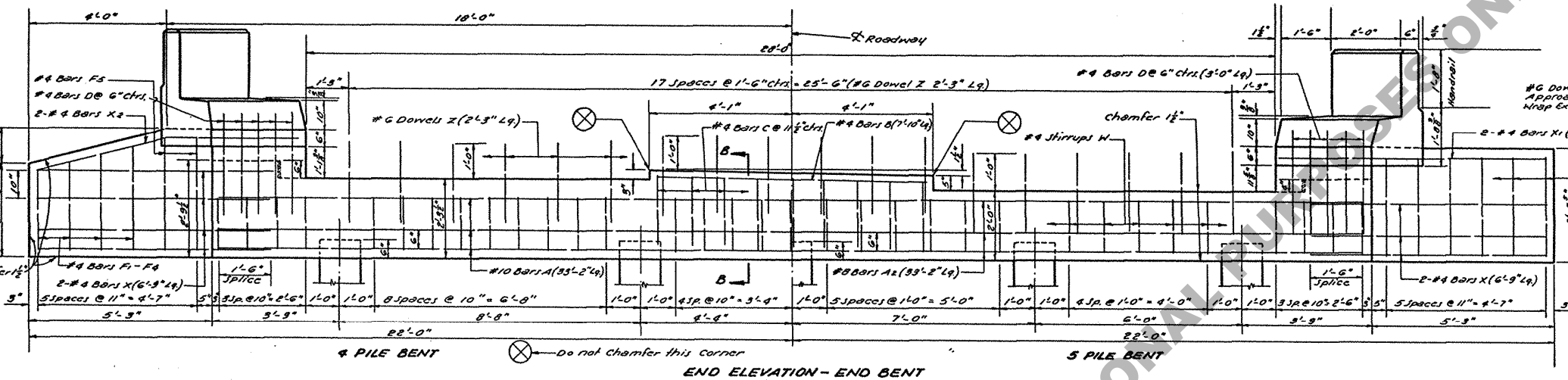
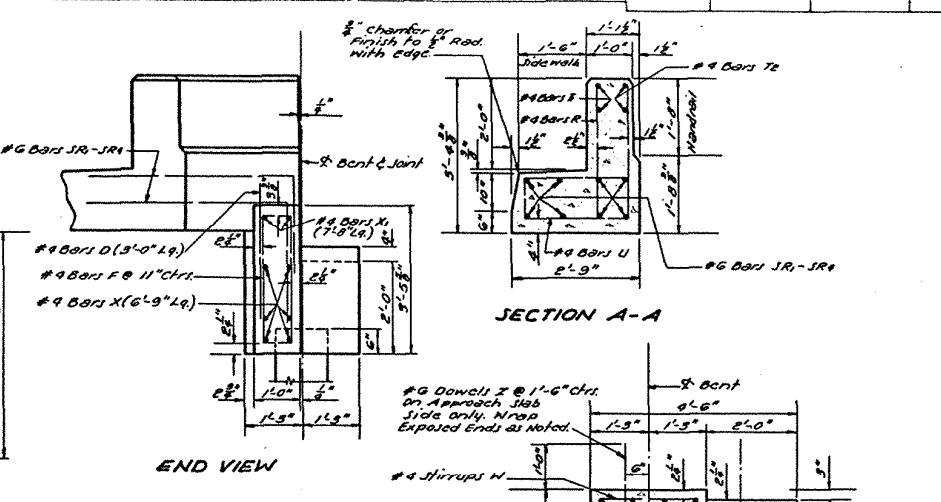
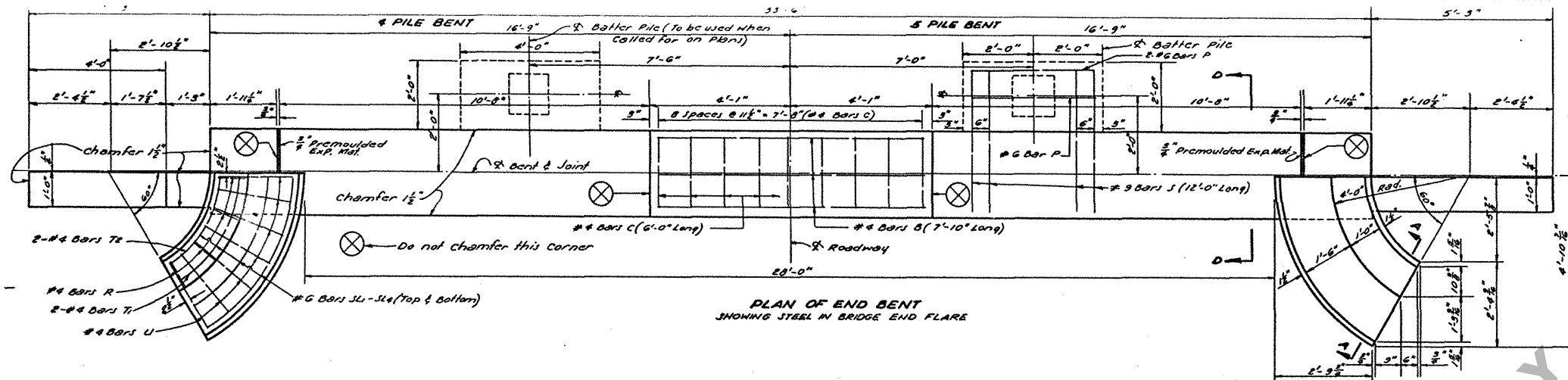
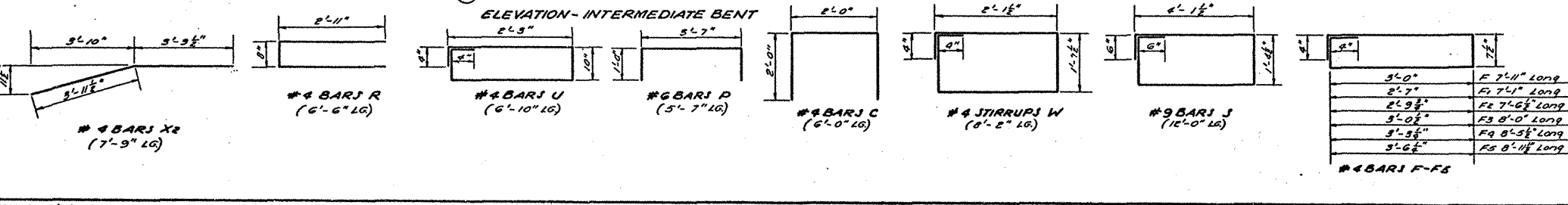
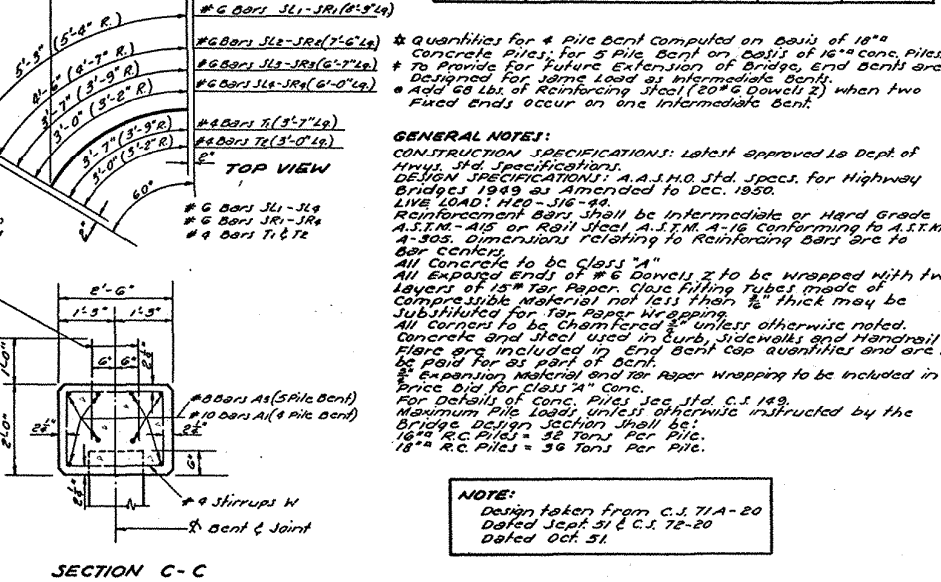
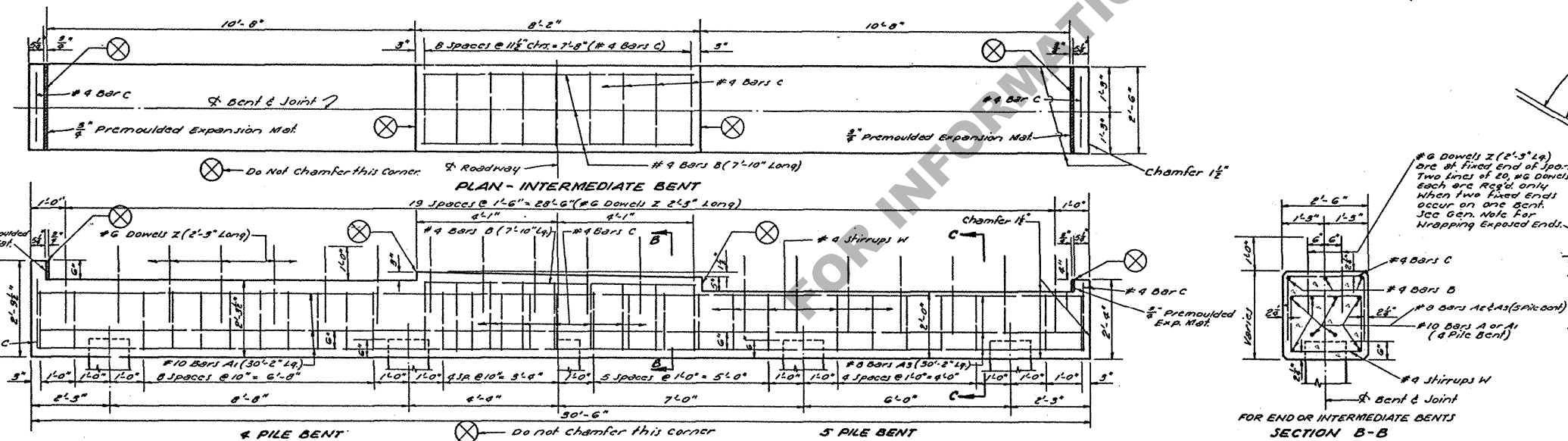




QUANTITIES & PILE LOADS				
ITEM TYPE	CLASS 'A' * CONC.-CU. YDS.	DEF. REINF. STEEL-LBS.	AVE. PILE LOAD-TONS	
4 PILE END BENT				
1	10.28	1900	35.8	
2	11.23	2276	35.8	
5 PILE END BENT				
1	10.28	1839	28.8	
2	11.23	1815	28.8	
INTERMEDIATE BENTS				
4 PILE	6.18	1355	35.8	
5 PILE	6.18	914	28.8	
TYPE OF END BENT REQUIRED				
END BENT	GROUND TO GRADE (FEET)	SUB. SOIL	RATEREPHILES	
TYPE 1	0-5	POOR	0	
	0-8	GOOD	0	
TYPE 2	5-10	POOR	2	
	8-16	GOOD	2	



* Quantities for 4 Pile Bent computed on basis of 18" concrete piles; for 5 Pile Bent on basis of 16" concrete piles. * To provide for future extension of bridge, end bents are designed for same load as intermediate bents. * Add 60 lbs. of reinforcing steel (50# 6 Dowels) when two fixed ends occur on one intermediate bent.

GENERAL NOTES:
CONSTRUCTION SPECIFICATIONS: Latest approved by Dept. of Highways, 3rd Edition.
DESIGN SPECIFICATIONS: A.A.M.O. Std. Spec. for Highway Bridges 1949 as amended to Dec. 1950.
LIVE LOAD: HS-20-44.
Reinforcement bars shall be intermediate or hard grade A.S.T.M. A-105 or A-108 steel, 1/2" or 3/4" diameter, conforming to A.S.T.M. A-305. Dimensions relating to reinforcing bars and to bar centers.
All concrete to be Class 'A'.
All exposed ends of #6 Dowels to be wrapped with two layers of 15# Tar Paper. Close fitting tubes made of compressible material not less than 1/8" thick may be substituted for Tar Paper Wrapping.
All concrete to be Chemically Cured unless otherwise noted.
Concrete and steel used in curb, sidewalks and handrail flares are included in end bent cap quantities and are to be paid for as part of bent.
Expansion Material and Tar Paper Wrapping to be included in Price Bid for Class 'A' Conc.
For Details of Conc. Piles, see Std. C.S. 149.
Maximum Pile Loads unless otherwise instructed by the Bridge Design Section shall be:
16" R.C. Piles = 35 Tons Per Pile.
18" R.C. Piles = 36 Tons Per Pile.

NOTE:
Design taken from C.S. 71-A-20
Dated Sept. 31 & C.S. 72-20
Dated Oct. 31.

STANDARD PLAN REINFORCED CONCRETE PILE BENTS FOR 25'-0" CONCRETE SLAB SPAN 28'-0" CLEAR ROADWAY 1'-6" SIDEWALKS TO BE USED WITH STD. PLAN C.F.S.-20-20 DATED: Feb. 1957 C.M. 169		
STATE OF LOUISIANA DEPARTMENT OF HIGHWAYS		
DESIGNED	DETAILED	TRACED
CHECKED	CHECKED	CHECKED
BRIDGE DESIGN SECTION		