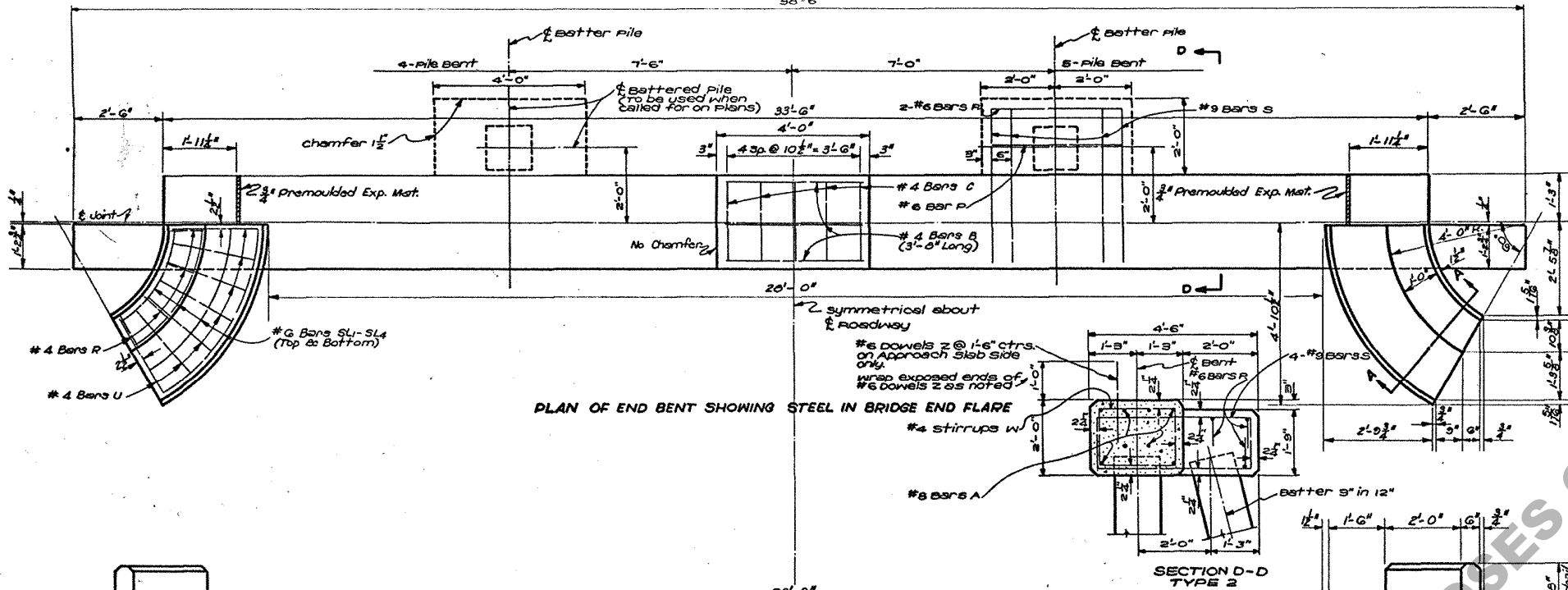
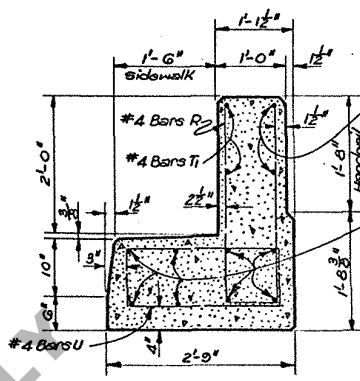


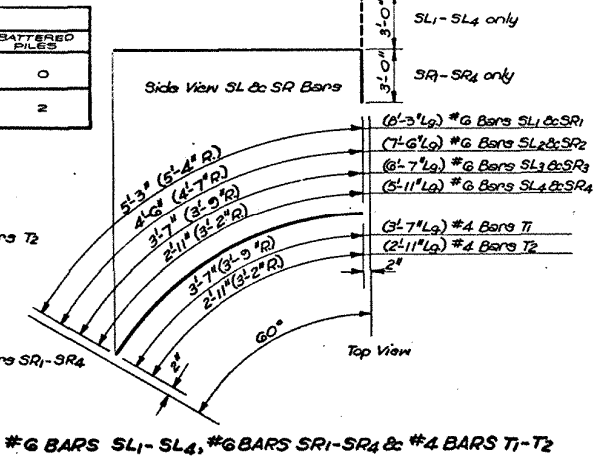


PLAN OF END BENT SHOWING STEEL IN BRIDGE END FLARE

TYPE OF END BENT REQUIRED			
END BENT	GROUND TO GRADE (FEET)	SUBSOIL	BATTERED PILES
TYPE 1	0-5	POOR	0
	5-10	GOOD	0
TYPE 2	0-5	POOR	2
	5-10	GOOD	2

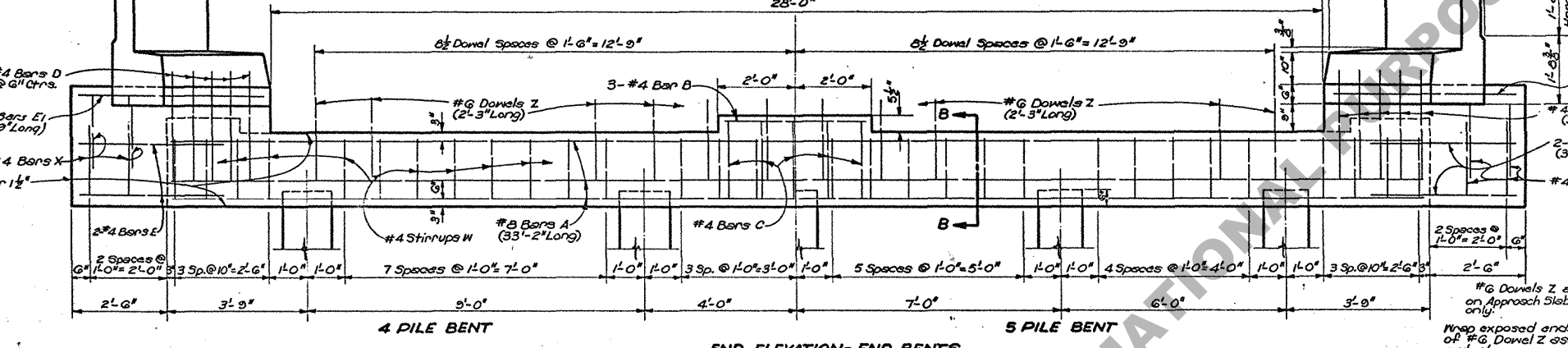


SECTION A-A

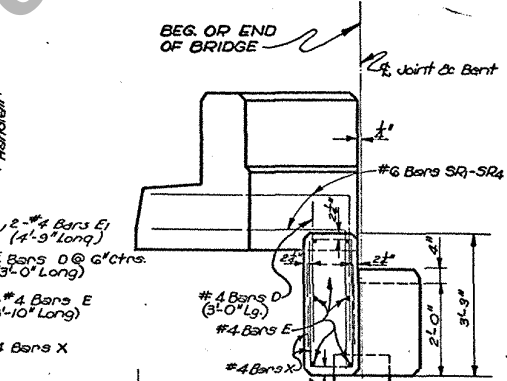


QUANTITIES AND PILE LOADS			
TYPE	CLASS "A" * CONC. CU. YDS.	DEF. REINF. STEEL-LBS.	AV. PILE LOAD-TONS
4-PILE END BENT #			
1	8.99	1352	26.7
2	9.44	1728	26.7
5-PILE END BENT #			
1	9.00	1347	22.9
2	9.47	1723	22.9
INTERMEDIATE BENT			
4 Pile	5.71	902	26.7
5 Pile	5.72	896	22.9

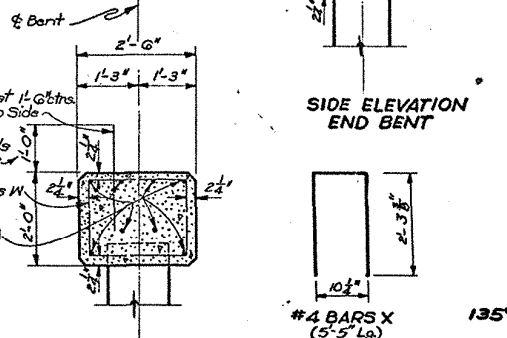
* Quantities for 4 Pile Bent computed on basis of 16" Sq. Conc. Pile and for 5 Pile Bent on basis of 14" Sq. Conc. Pile.
 * To provide for future extension of Bridge End Bents are designed for same load as Intermediate Bents.
 * Add 6.6" of Reinf. Steel (20-#6 Dowels Z) when 2 Fixed Ends occur on an intermediate bent.



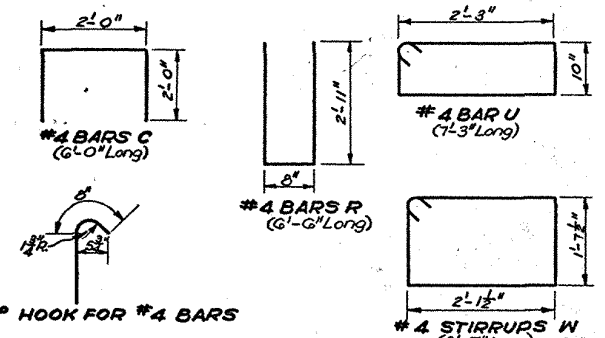
END ELEVATION-END BENTS



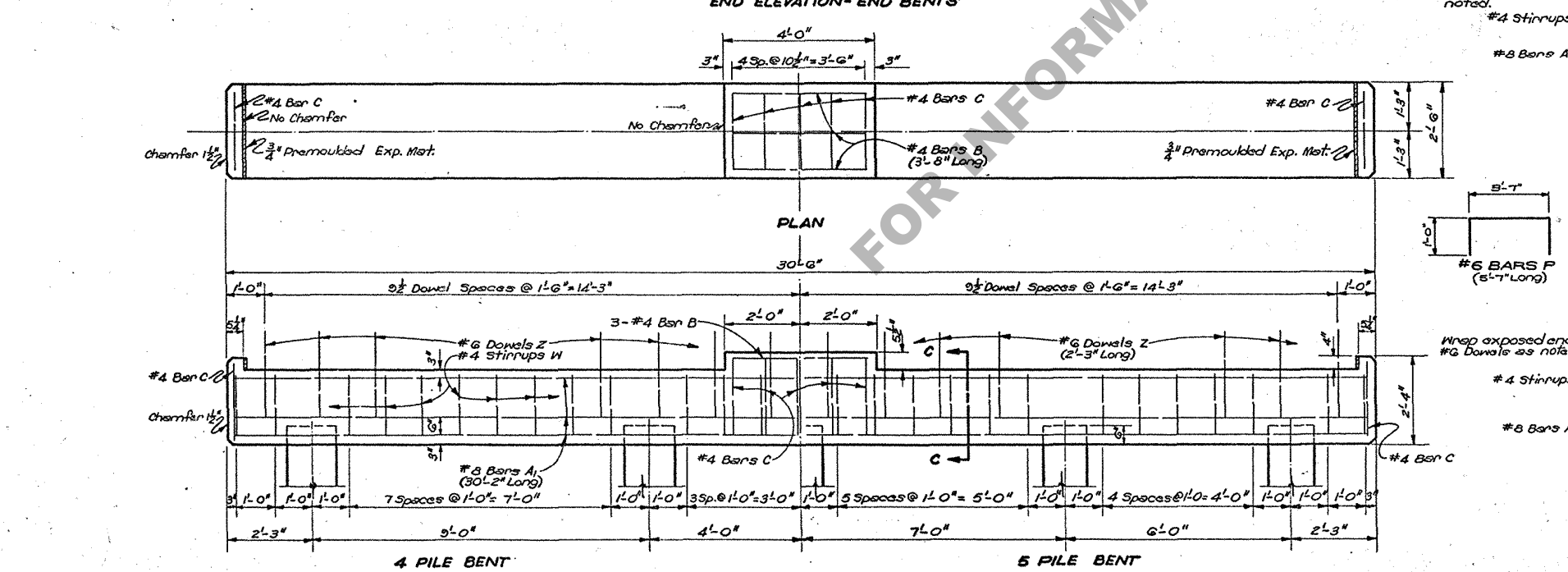
SECTION D-D TYPE 2



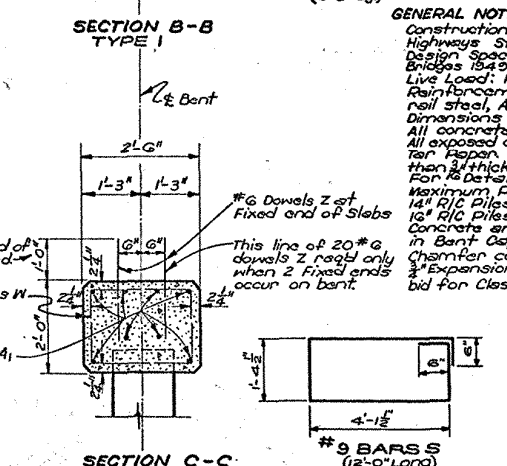
SIDE ELEVATION END BENT



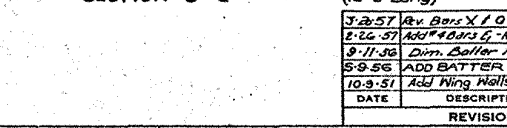
135° HOOK FOR #4 BARS



END ELEVATION-INTERMEDIATE BENT



SECTION B-B TYPE 1



SECTION C-C

GENERAL NOTES:
 Construction Specifications: Latest approved Louisiana Department of Highways Standard Specifications.
 Design Specifications: A.S.T.M. Standard Specifications for Highway Bridges 1949 as amended to Dec. 1950.
 Live Load: H-20-S16-44.
 Reinforcement Bars: Shall be intermediate or hand grade, A.S.T.M. A15 or rail steel, A.S.T.M. A10.
 Dimensions relating to reinforcing steel are to Bar Centers.
 All concrete to be Class "A".
 All exposed ends of #6 Dowels "Z" to be wrapped with 2 layers of 15# Tar Paper Close Fitting. Tubes made of compressible material not less than 3/16" thick may be substituted.
 For details of Concrete Piles see Std. Plan C.S. 149.
 Maximum Pile loads unless otherwise instructed by Bridge Design Section: 14" R/C piles = 28 tons per pile; 16" R/C piles = 32 tons per pile.
 Concrete and steel in SIDEWALK CURB FLARE and HANDRAIL FLARE are included in Bent quantities and are to be paid for as part of Bent.
 Charmer corners shall be used unless otherwise noted.
 Expansion Material, Tar Paper, and wrappings to be included in price bid for Class "A" Concrete.

STANDARD PLAN
 REINFORCED CONCRETE PILE BENTS
 FOR 20 FT. CONCRETE SLAB SPANS
 28'-0" CLEAR ROADWAY - 1'-6" SIDEWALKS
 TO BE USED WITH STANDARD PLAN C.F.S. 10-20
 DATED Aug. 1951

STATE OF LOUISIANA DEPARTMENT OF HIGHWAYS			
DESIGNED E. E. Evans	CHECKED H. J. Johnson	TRACED A. Chapman	
DATE	DESCRIPTION	BY	
10-9-51	ADD Wing Walls	A. E.	
11-11-51	ADD BATTER PILES	S. J. C.	
12-21-51	Rev. Bars X I Quant.	R. J. W.	
1-16-52	Add #6 Bars G - Rev. Quant. R/W	R. J. W.	
2-11-52	Dim. Battered Piles	M. O.	
5-9-52	ADD BATTER PILES	S. J. C.	
10-9-51	Add Wing Walls	A. E.	

BRIDGE DESIGN SECTION