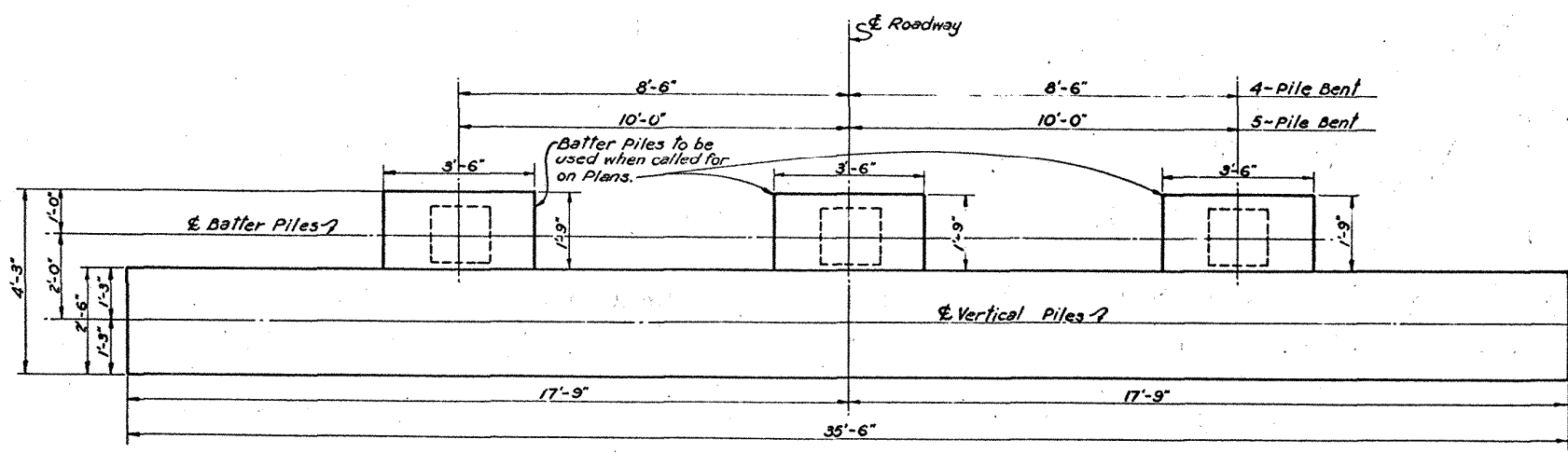
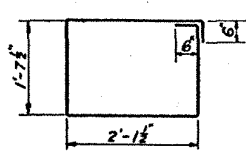
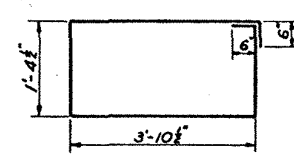




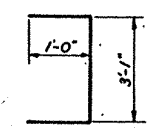
PLAN
Showing Batter Pile Spacing.



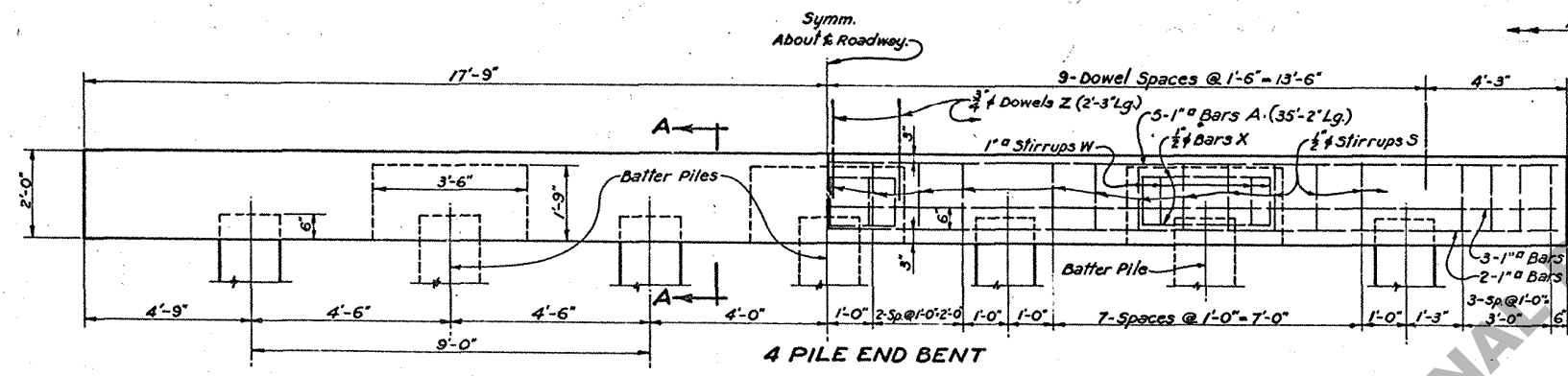
1/2" STIRRUPS S
8'-6" Long.



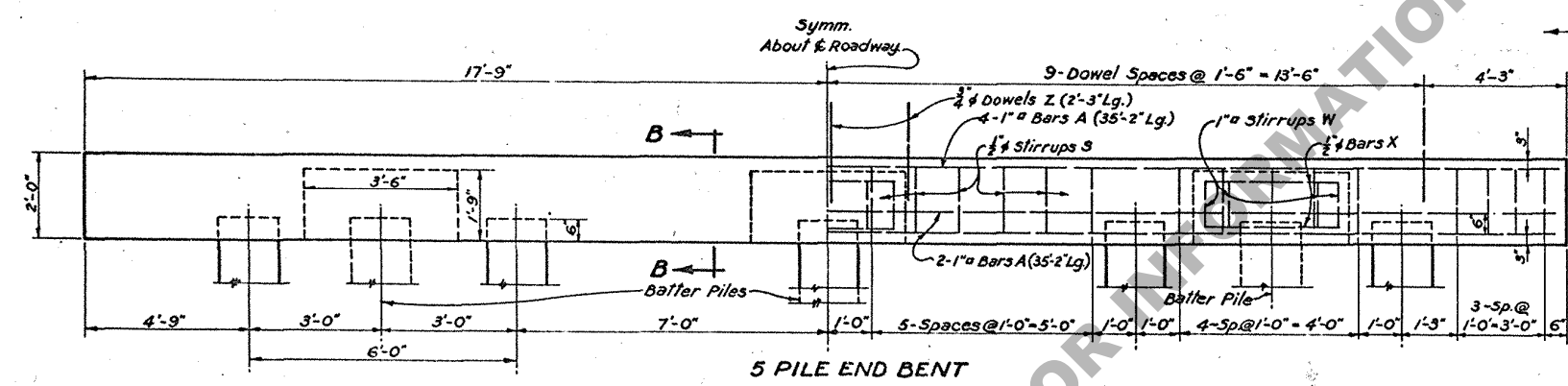
1" STIRRUPS W
11'-6" Long.



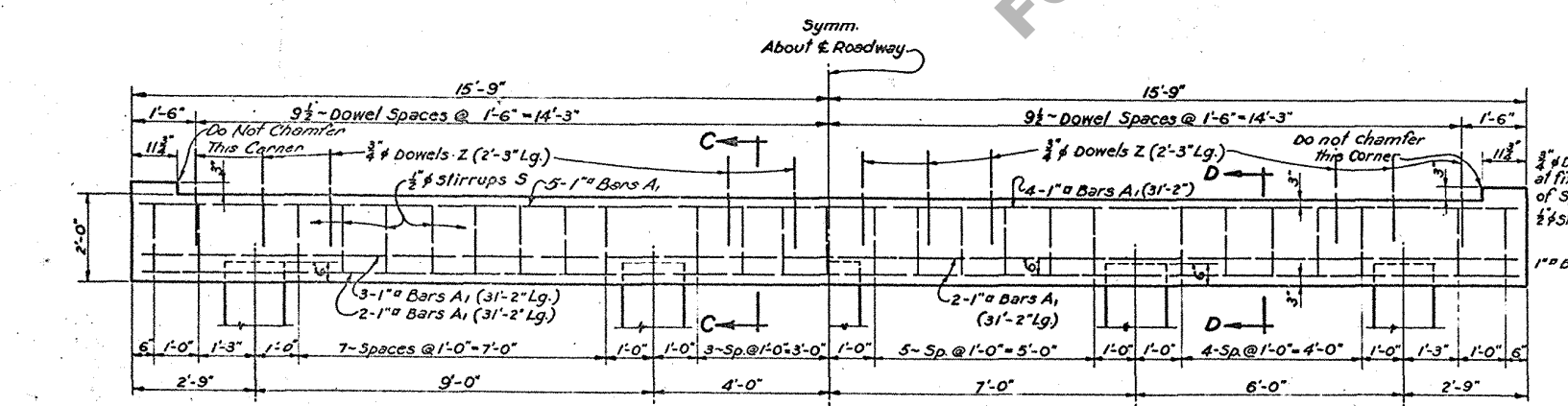
1/2" BARS X
5'-1" Long.



4 PILE END BENT



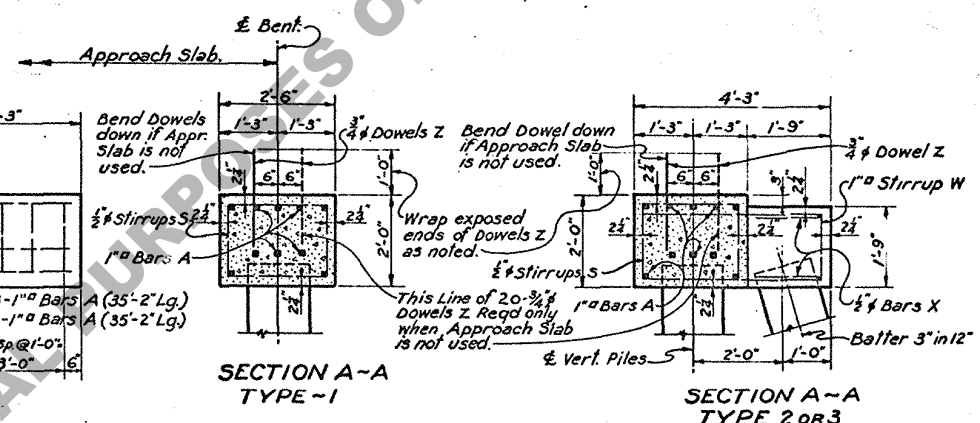
5 PILE END BENT



4 PILE BENT

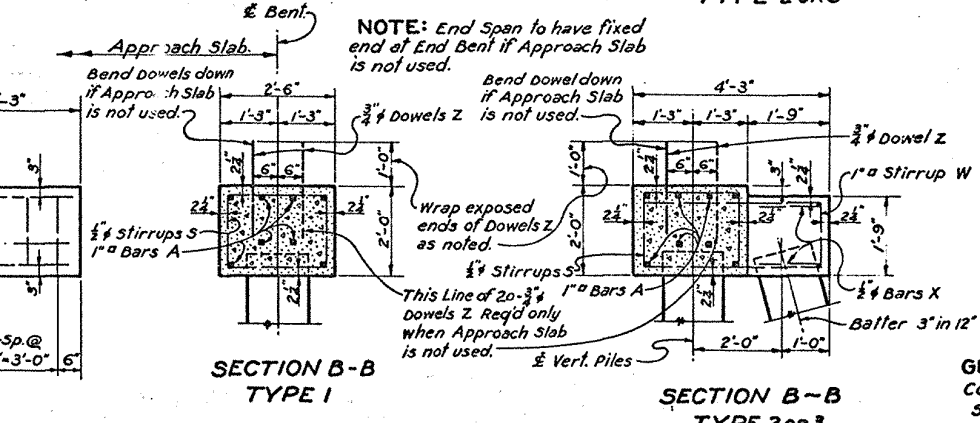
5 PILE BENT

INTERMEDIATE BENTS



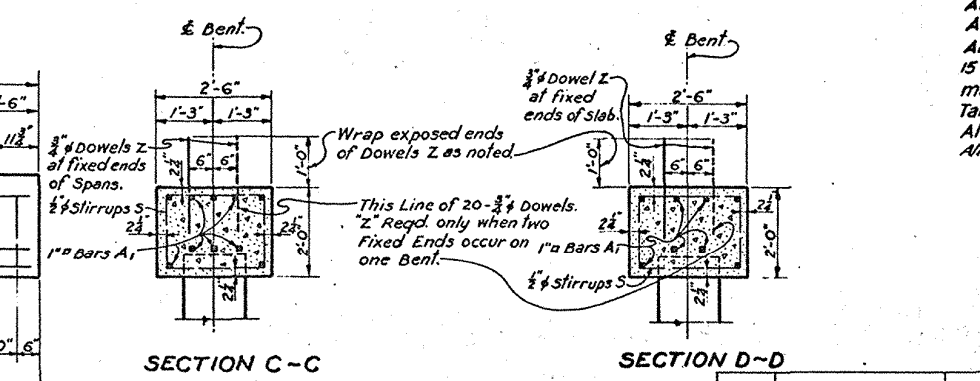
SECTION A-A
TYPE 1

SECTION A-A
TYPE 2 OR 3



SECTION B-B
TYPE 1

SECTION B-B
TYPE 2 OR 3



SECTION C-C

SECTION D-D

NOTE: For Details of Concrete Piles.
See Std. Plan C-S-149

TYPE OF END BENT REQUIRED			
END BENT	GROUND TO GRADE FEET	SUBSOIL	BATTERED PILES
TYPE 1	0-5	POOR	0
	0-8	GOOD	
TYPE 2	5-10	POOR	2
	8-16	GOOD	
TYPE 3	10+	POOR	3
	16+	GOOD	

QUANTITIES AND PILE LOADS			
ITEM TYPE	CLASS A CONCRETE CU.YDS.	DEF. REINF. STEEL LBS.	AV. PILE LOAD TONS
4 PILE END BENT *			
1	6.44	1436	32.3
2	7.17	1763	32.3
3	7.53	1925	32.3
5 PILE END BENT *			
1	6.45	1191	25.9
2	7.19	1518	25.9
3	7.56	1680	25.9
INTERMEDIATE BENT			
4 PILE	5.75	1281	32.3
5 PILE	5.75	1064	25.9

* To provide for future extension of bridge the End Bents are designed for same Load as Intermediate Bents.
 * NOTE: Add 68 Lbs. of Reinf. Stl. (20-3/4" Dowels Z) when two Fixed Ends occur on one Intermediate Bent. Add 68 Lbs. of Reinf. Stl. (20-3/4" Dowels Z) when Approach Slab is not used at End Bent.
 * Conc. Quantities Based on 16" Piles.
 * Conc. Quantities Based on 14" Piles.

Max. 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

GENERAL NOTES:
 Construction Specs.: Latest approved La. Hwy. Dept. Standard Specifications.
 Design Specs.: A.A.S.H.O. 1949.
 Live Load H20-S16-44
 All dimensions relating to Reinforcing Steel are to Bar Ctrs.
 All Reinforcing Steel to be Structural or Intermediate Grade.
 All 3/4" Dowels Z are to be wrapped with two Layers of 15 Lb. Tar Paper. Close fitting Tubes made of compressible material not less than 3/16" thick may be substituted for Tar Paper Wrapping.
 All Corners to be chamfered 1/2" unless noted.
 All Concrete to be Class "A".

STANDARD PLAN REINFORCED CONCRETE PILE BENTS FOR CONCRETE SLAB SPANS				
20 FT. SPAN 28'-0" CLEAR ROADWAY		2'-6" SIDEWALKS TO BE USED WITH STD. PLAN C-F-S-5-20 AND C-M-III		
DATED Sept. 1, 1949.				
STATE OF LOUISIANA DEPARTMENT OF HIGHWAYS				
DESIGNED <i>H. L. Brown</i>	DETAILED <i>H. L. Brown</i>	CHECKED <i>L. D. P.</i>	TRACED <i>B. Cole</i>	CHECKED <i>L. D. P.</i>
BRIDGE DESIGN SECTION				