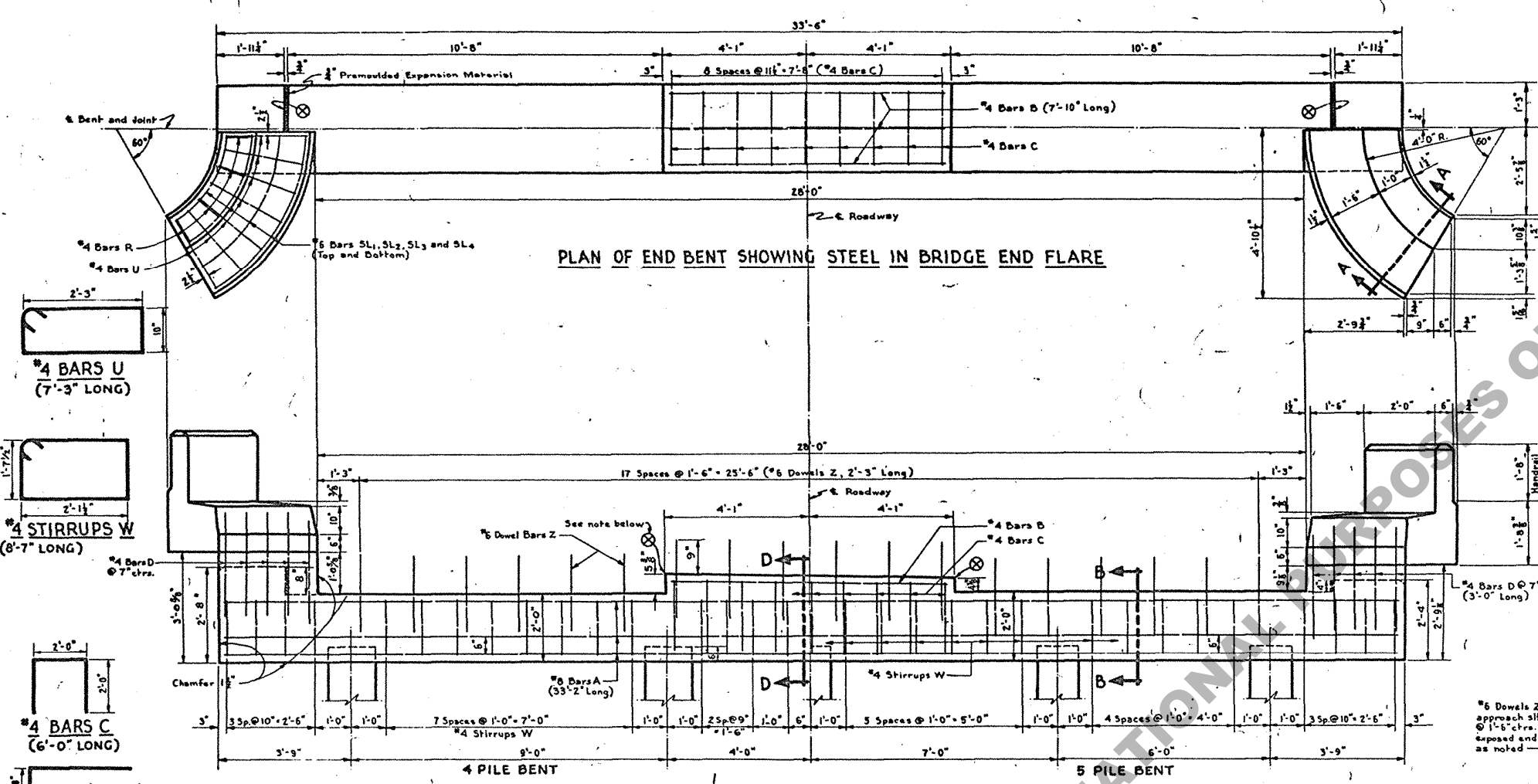
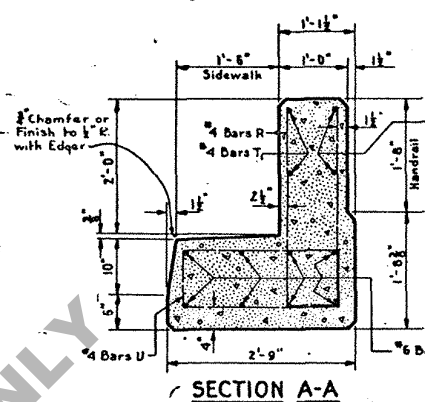
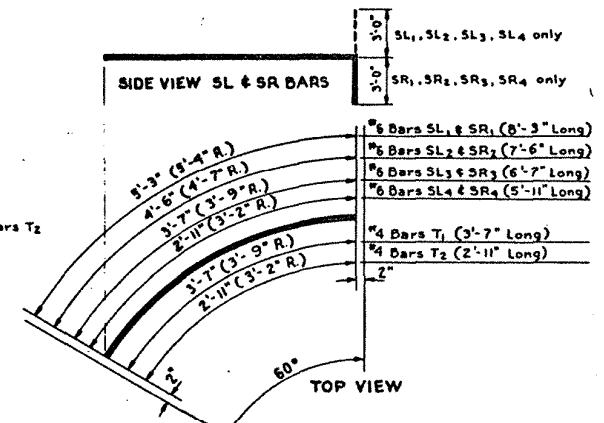




PLAN OF END BENT SHOWING STEEL IN BRIDGE END FLARE



SECTION A-A



- 6 BARS SL₁, SL₂, SL₃ and SL₄
- 6 BARS SR₁, SR₂, SR₃ and SR₄
- 4 BARS T₁ and T₂

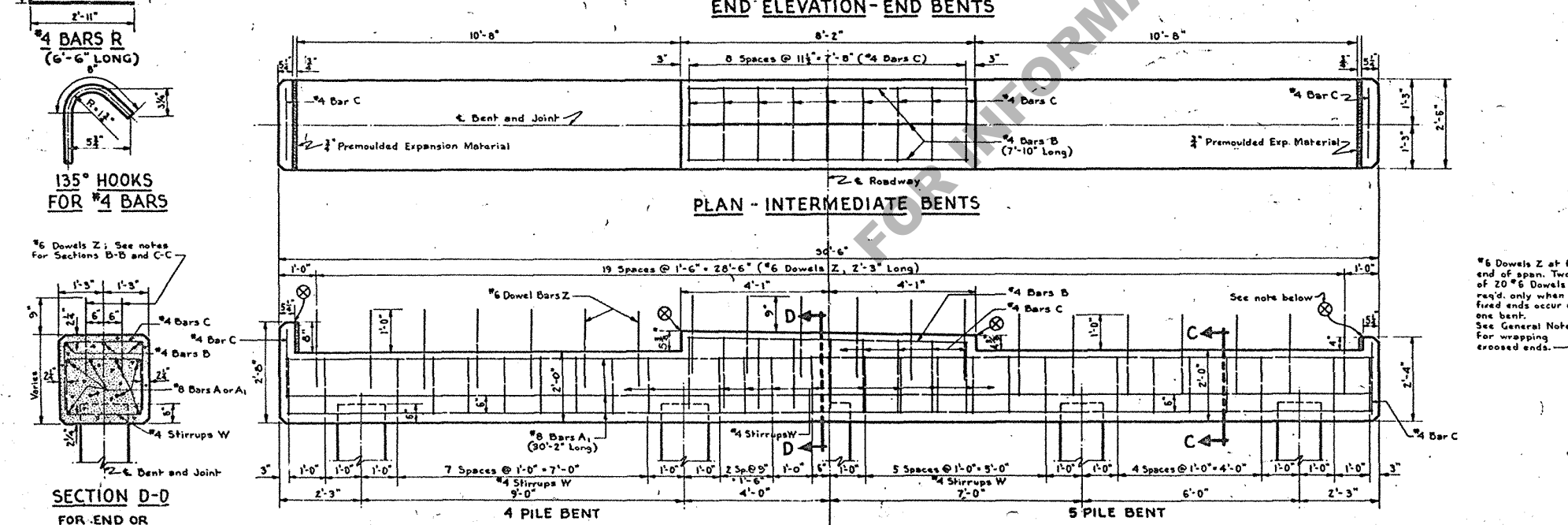
QUANTITIES AND PILE LOADS			
TYPE	CLASS "A" CONCRETE (CU. YDS.)	DEF. REINF. STEEL (LBS.)	AVERAGE PILE LOAD (TONS)
END BENT			
4 PILE	8.48	1315	28.7
5 PILE	8.48	1304	22.9
INTERMEDIATE BENT			
4 PILE	5.88	933	28.7
5 PILE	5.89	921	22.9

Quantities for 4 pile bent computed on basis of 16" concrete piles; for 5 pile bent on basis of 14" concrete piles.
 To provide for future extension of bridge, end bents are designed for same load as intermediate bents.
 Add 58% of Reinf. steel (20#6 Dowels Z) when 2 fixed ends occur on one intermediate bent.

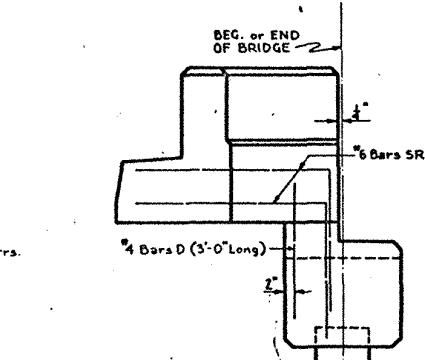
GENERAL NOTES:

Construction Specifications: Latest approved Louisiana Department of Highways Standard Specifications.
 Design Specifications: A.A.S.H.O. Std. Specs. for Highway Bridges 1949 as amended to Dec. 1950.
 Live Load: H20-S16-44
 Reinforcement bars shall be structural, intermediate, or hard grade, A.S.T.M. A15, or rail steel, A.S.T.M. A16.
 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 hubs made of compressible material not less than 1/2" thick may be substituted for Tar Paper wrapping.
 All corners to be chamfered 1/2" unless otherwise noted.
 Concrete and Steel used in Curb, Sidewalk and Handrail Flare are included in end bent cap quantities and are to be paid for as part of bent.
 Expansion Material and Tar Paper wrappings to be included in price bid for Class "A" Concrete.

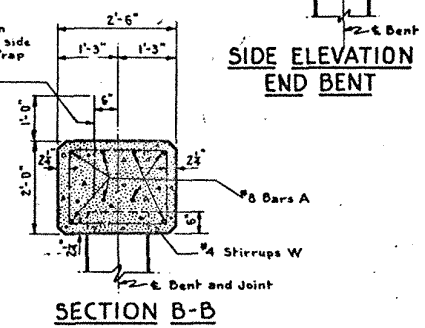
For Details of Concrete Piles see Std. C.S. 149
 Maximum Pile Loads unless otherwise instructed by Bridge Design Section:
 14" R.C. Piles = 28 Tons per Pile
 16" R.C. Piles = 32 Tons per Pile



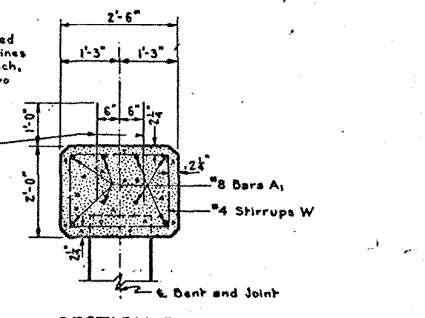
END ELEVATION-END BENTS



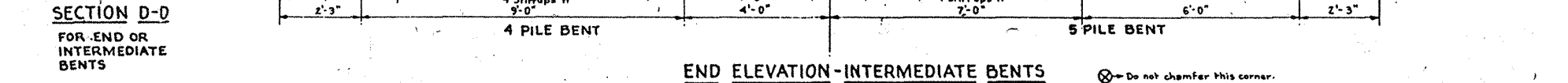
SIDE ELEVATION END BENT



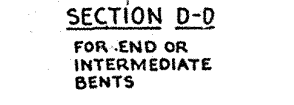
SECTION B-B



SECTION C-C



END ELEVATION-INTERMEDIATE BENTS



SECTION D-D FOR END OR INTERMEDIATE BENTS

STANDARD PLAN
REINFORCED CONCRETE PILE BENTS
FOR 20 FT. CONCRETE SLAB SPANS
TO BE USED WITH STANDARD PLAN C.F.S. 10B-20
 DATED September 1955

STATE OF LOUISIANA
 DEPARTMENT OF HIGHWAYS

DESIGNED E. E. EVANS
 CHECKED HUTCH
 DETAILED V. BIRGOUX
 CHECKED HANCOCK
 TRACED GISH
 CHECKED HANCOCK

BRIDGE DESIGN SECTION