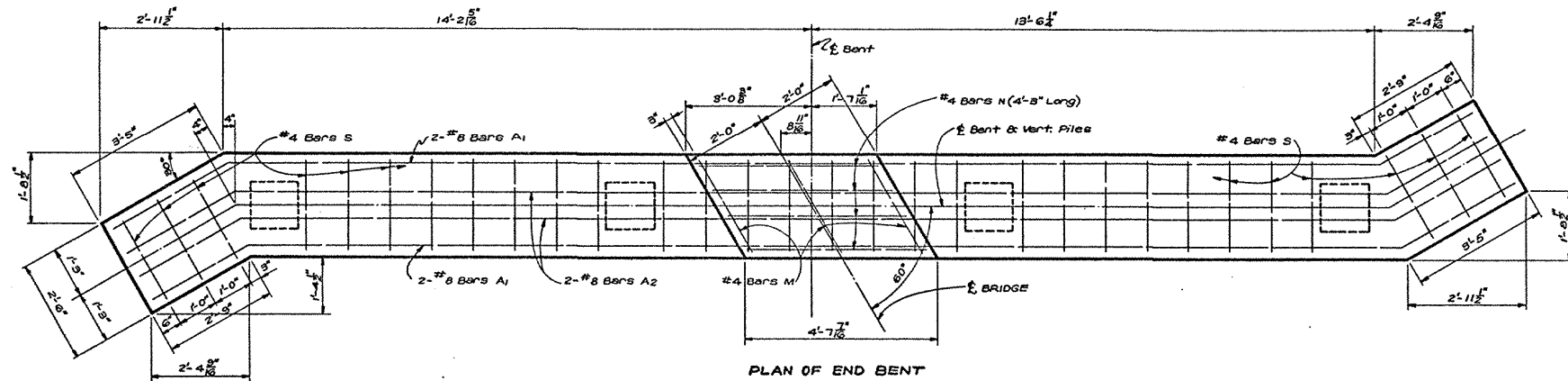
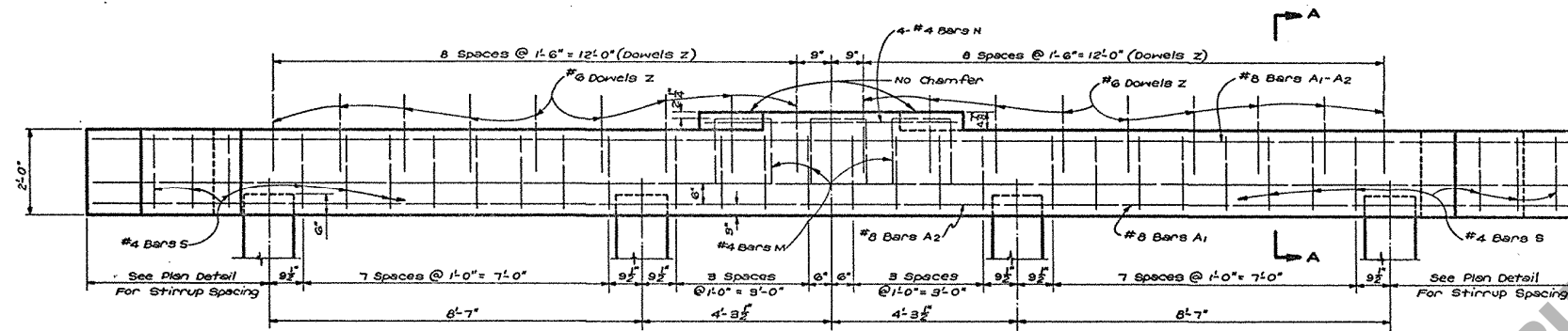
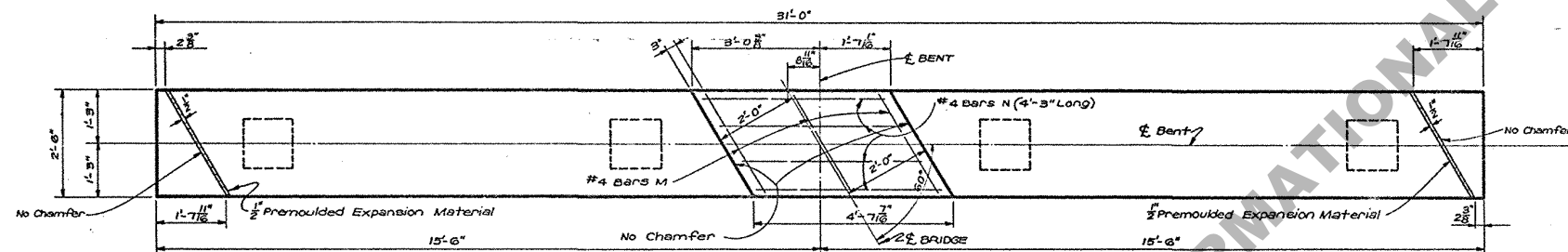




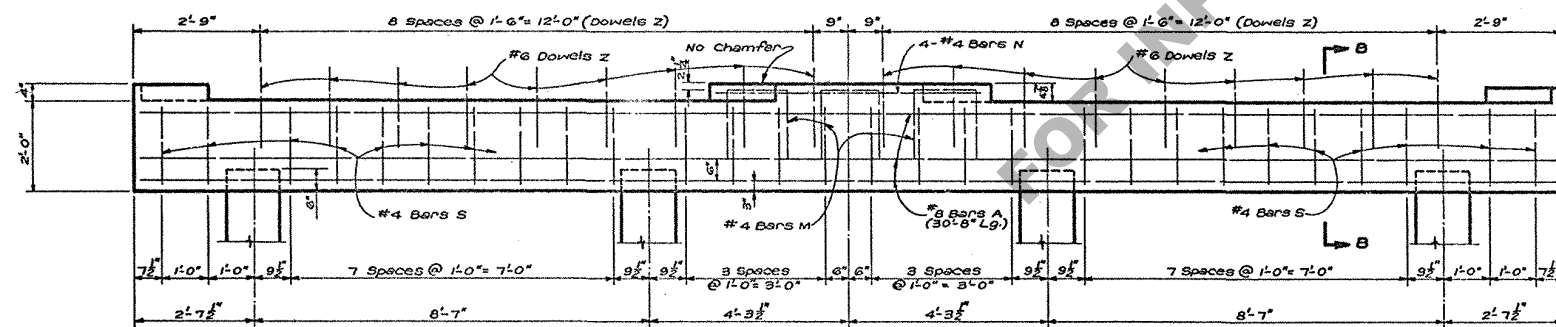
PLAN OF END BENT



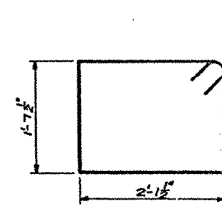
ELEVATION OF END BENT



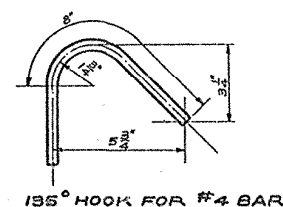
PLAN OF INTERMEDIATE BENT



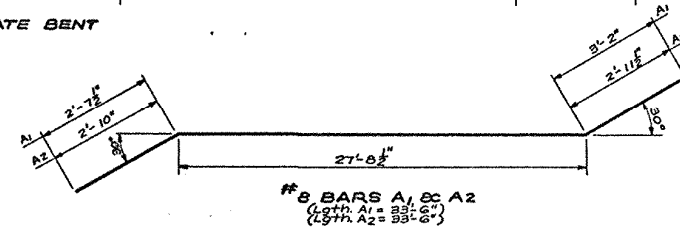
ELEVATION OF INTERMEDIATE BENT



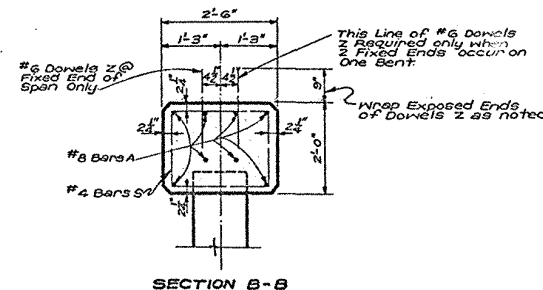
#4 BARS S (8'-6" Lg)



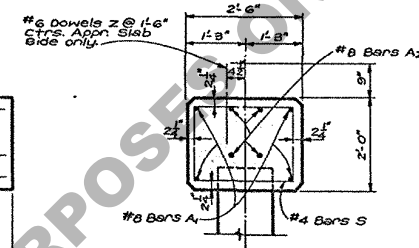
135° HOOK FOR #4 BAR



#6 BARS A1 & A2 (30'-8" Lg)



SECTION B-B



SECTION A-A

GENERAL NOTES:
 Construction Specifications, Latest Approved Louisiana Department of Highways Standard Specifications, Design Specifications: A.A.S.H.O. 1949 as amended to Dec. 1950.
 Live Load: HS-20.
 All dimensions relating to Reinforcing Steel are to Bar Centers.
 Reinforcement Bars shall be Intermediate or Hard Grade, A.S.T.M. A15, or Rail Steel A.S.T.M. A16.
 All corners to be chamfered unless otherwise noted.
 #6 Dowels Z to be wrapped with two layers of 15 lb. Tan Paper Class Fitting tubes made of compressible material, not less than 3/16" thick, may be substituted for Tan Paper wrapping.
 Cost of Tan Paper and Expansion Material to be included in unit price bid for class concrete.
 Quantities computed assuming 14" R.C. Piles.
 For Details of Concrete Piles, see Std. Plan C.S. 202-15.
 Maximum Pile Loads unless otherwise instructed by the Bridge Design Section: 12" R.C. Piles = 24 Tons per Pile.
 14" R.C. Piles = 28 Tons per Pile.
 Max. Ground to Grade with 12" R.C. Piles = 15'-0".
 14" R.C. Piles = 20'-0".

QUANTITIES IN ONE END BENT *

BAR	SIZE	Nº	UNIT LENGTH	TOTAL LENGTH
A1	#6	4	33'-6"	134'-0"
A2	#6	4	33'-6"	134'-0"

Total #6 Bars = 268'-0" = 716 Lbs.

Z #6 18 1'-9" 31'-6"

Total #6 Bars = 31'-6" = 47 Lbs.

S #4 30 8'-6" 255'-0"

M #4 3 5'-8" 17'-0"

N #4 4 4'-9" 17'-0"

Total #4 Bars = 299'-0" = 193 Lbs.

CLASS "A" CONCRETE = 6.35 CU. YDS.

DEFORMED REINFORCING STEEL = 956 LBS.

AVERAGE PILE LOAD = 21.2 TONS/PILE

QUANTITIES IN ONE INTERMEDIATE BENT

A	#6	8	30'-8"	245'-4"
---	----	---	--------	---------

Total #6 Bars = 245'-4" = 655 Lbs.

Z #6 18 1'-9" 31'-6"

Total #6 Bars = 31'-6" = 47 Lbs.

S #4 28 8'-6" 238'-0"

M #4 3 5'-8" 17'-0"

N #4 4 4'-9" 17'-0"

Total #4 Bars = 272'-0" = 182 Lbs.

CLASS "A" CONCRETE = 5.87 CU. YDS.

DEFORMED REINFORCING STEEL = 884 LBS.

AVERAGE PILE LOAD = 21.2 TONS/PILE

*To provide for future extension of bridge, the End Bent was designed for same load as the intermediate bent.

When two fixed ends of span occur on one intermediate bent add 47 Lbs. of Reinforcing Steel (18 #6 Bars Z).

DESIGN TAKEN FROM
STD. PLAN C.S. 202-15

STANDARD PLAN
 REINFORCED CONCRETE PILE BENT
 FOR CONC. SLAB SPANS - 60° CROSSING
 20'-0" SPAN H-15-44 LOADING
 24'-0" CLEAR ROADWAY- 1'-6" SIDEWALKS
 TO BE USED WITH STD. PLAN C.S. 6-15
 DATED... FEB. 1954

STATE OF LOUISIANA
 DEPARTMENT OF HIGHWAYS

DATE	DESCRIPTION	BY	DESIGNED	CHECKED	TRACED
			CONWAY LUSH	GAY LUSH	CONWAY LUSH

BRIDGE DESIGN SECTION

C.S. 205-15