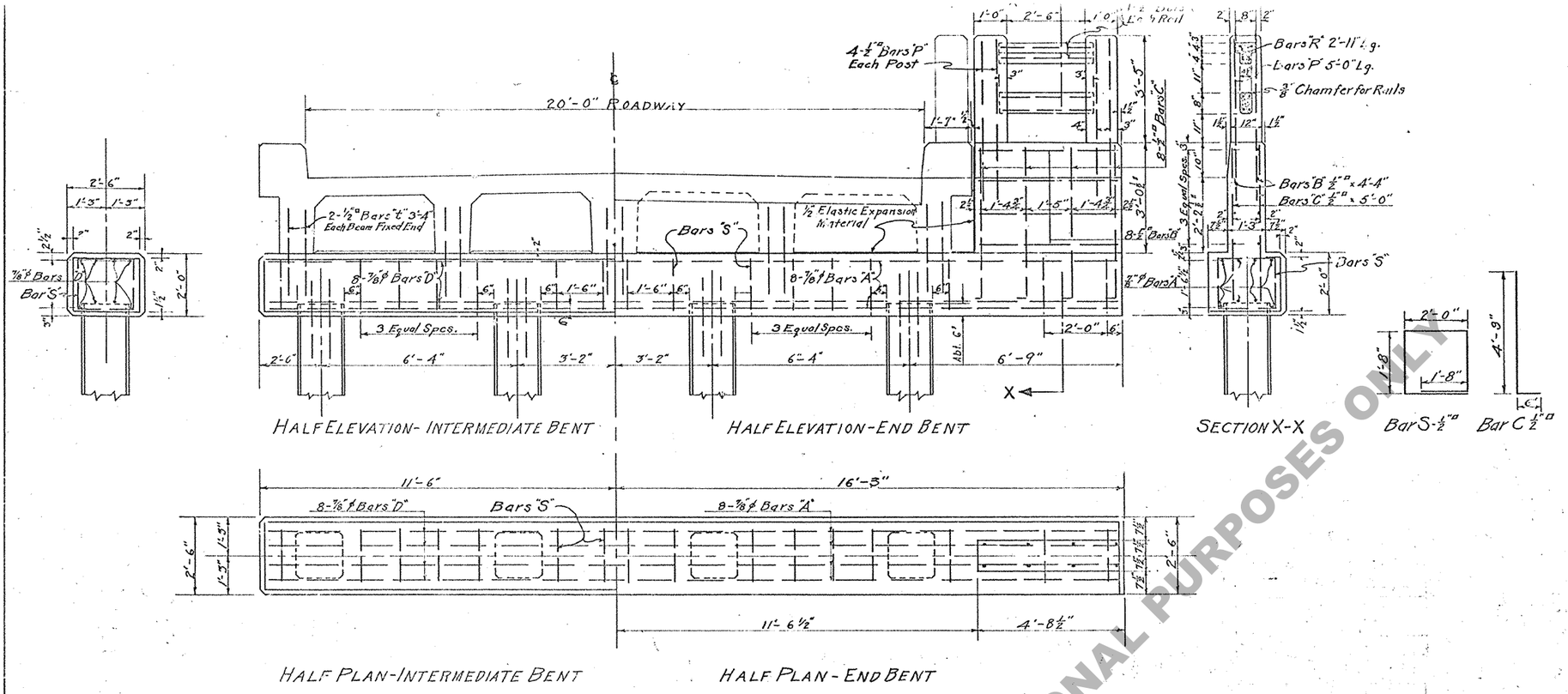


HALF ELEVATION- INTERMEDIATE BENT

HALF ELEVATION-END BENT

SECTION X-X

HALF PLAN-INTERMEDIATE BENT

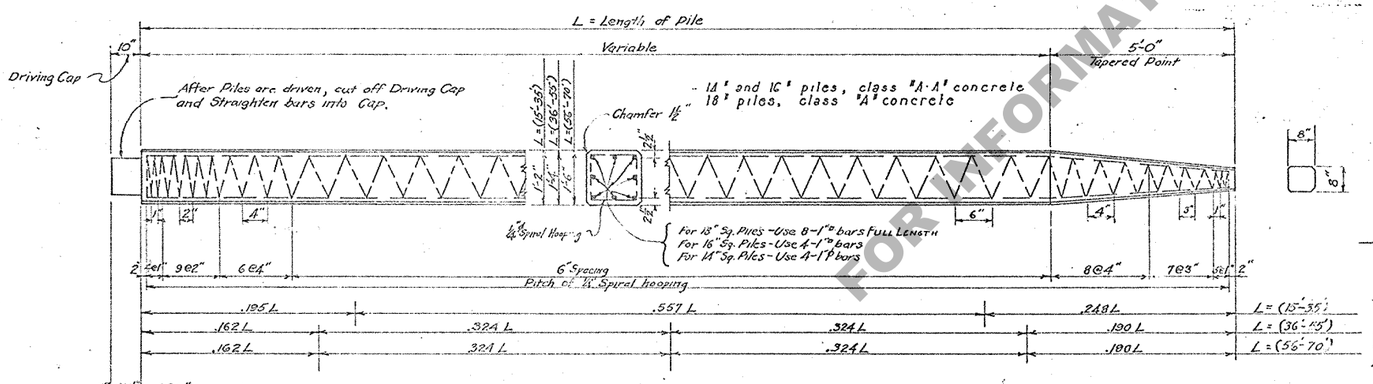
HALF PLAN - END BENT

BILLS OF MATERIAL-CAPS
ONE END BENT CAP

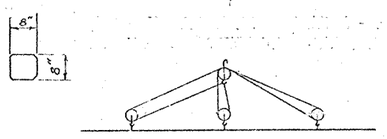
MARK	SIZE	NO.	Unit Lth. Ft.	Unit Lth. In.	Total Lth. Ft.	Total Lth. In.	LOCATION
A	⅞"ϕ	8	31	6	252	0	Cap
Total ⅞"ϕ Bars					252'-0"		514 Lbs.
B	½"□	16	4	4	69	4	Horizontal-Riser
C	"	16	5	3	84	0	Vertical - "
P	"	16	5	0	80	0	" Post
R	"	16	2	11	46	8	Rail
S	"	18	9	0	162	0	Hoops in Cap
T	"	10	3	4	33	4	Dowels "
Total ½"□ Bars					475'-4"		404 Lbs.
Total Reinforcing Steel							918 Lbs.
Class "A" Concrete (Handrail Class "A-A" Conc. .02 Cu Yd)							7.19 Cu Yds.

ONE INTERMEDIATE BENT CAP

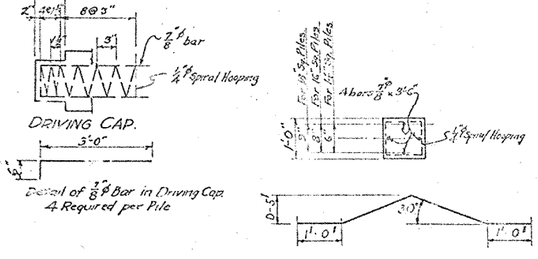
D	⅞"ϕ	8	22	8	181	4	Cap
Total ⅞"ϕ Bars					181'-4"		370 Lbs.
S	½"□	14	9	0	126	0	Hoops in Cap
T	"	20	3	4	66	8	Dowels "
Total ½"□ Bars					192'-8"		163 Lbs.
Total Reinforcing Steel							533 Lbs.
Class "A" Concrete							4.22 Cu Yds.



Piles to be marked at these points to indicate location of lifting slings.



ARRANGEMENT OF BLOCKS FOR LIFTING PILES



APPROXIMATE QUANTITIES --- FOR PILES						
Pile Lengths	Driving Cap Total		Variable Part Per Lin. Ft.		Tapered Point Total	
	Concrete Cu. Yds.	Reinf. Steel Lbs.	Concrete Cu. Yds.	Reinf. Steel Lbs.	Concrete Cu. Yds.	Reinf. Steel Lbs.
15'-35'	.031	36	.015	12	.170	65
36'-55'	.031	38	.070	15	.204	166*
56'-70'	.031	39	.083	29	.250	236*

*Includes ⅞"ϕ bars at lifting points

GENERAL NOTES :-

Louisiana Highway Comm. Specifications 1929.

All Reinforcing Steel to be deformed bars (square twisted bars not considered as deformed.)

All dimensions of Reinforcing are to bar centers.

Load on Piles for 31' Span:

Superstructure 53100

STANDARD 4 PILE R.C. BENT
FOR 20' ROADWAY DECK GIRDERS
13' to 31' SPANS

LOUISIANA HIGHWAY COMMISSION
BATON ROUGE, LA.

SCALE ½" = 1'-0"

1930

(B-2-277) C-5-103

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