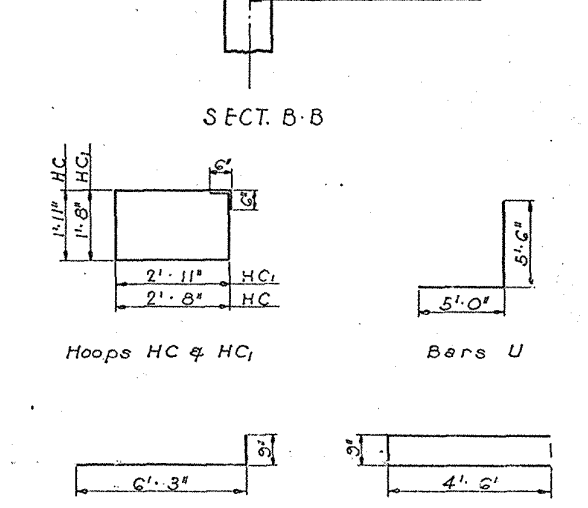
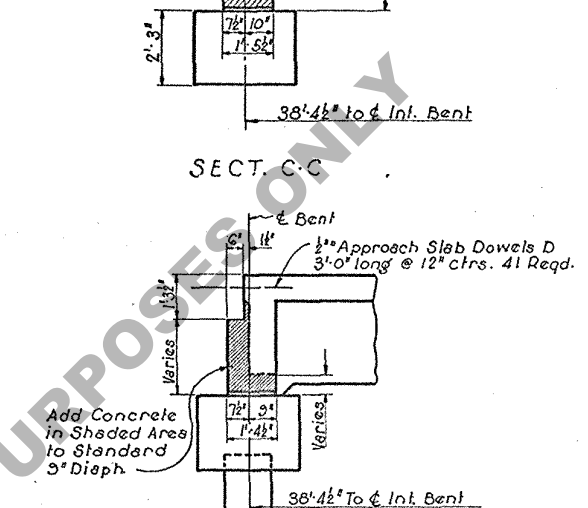
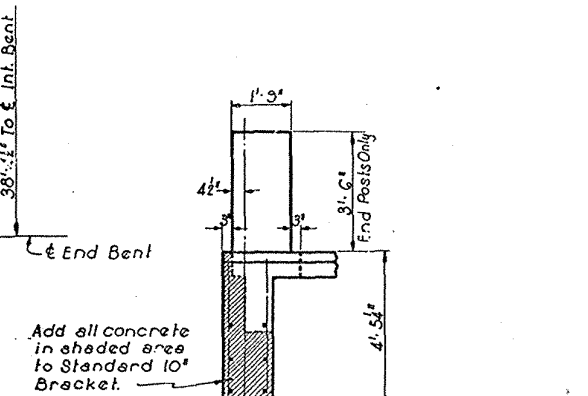
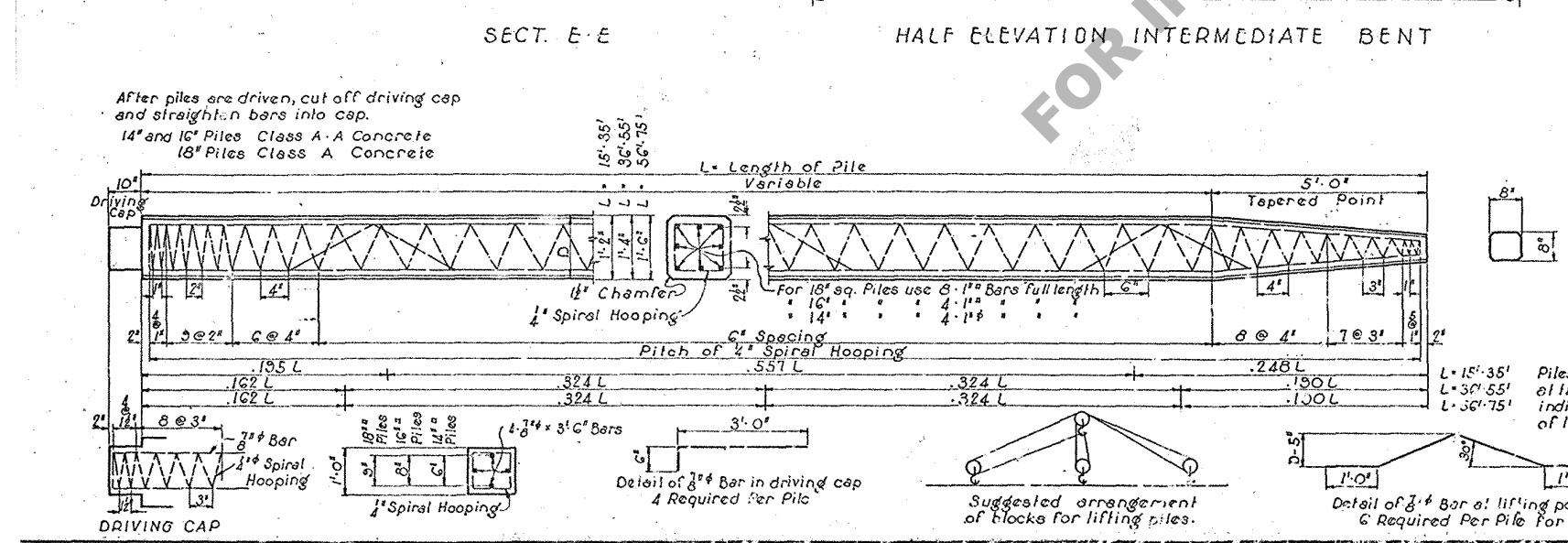
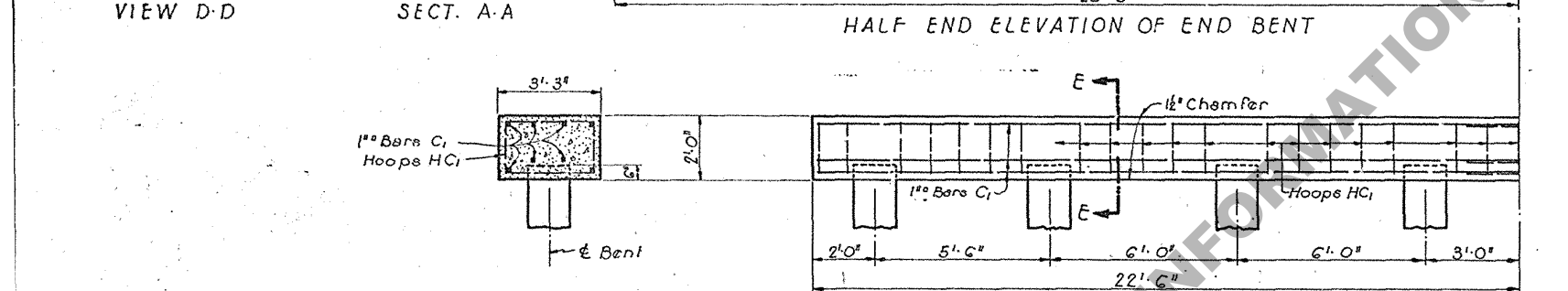
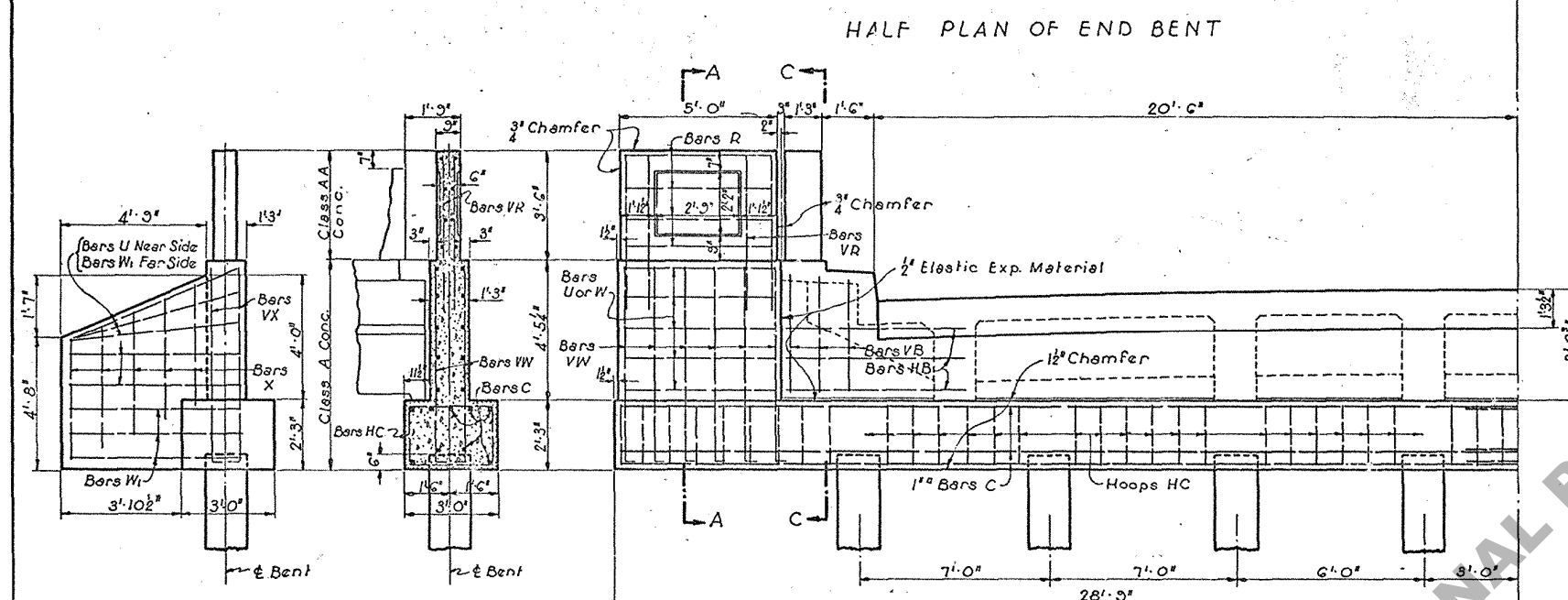
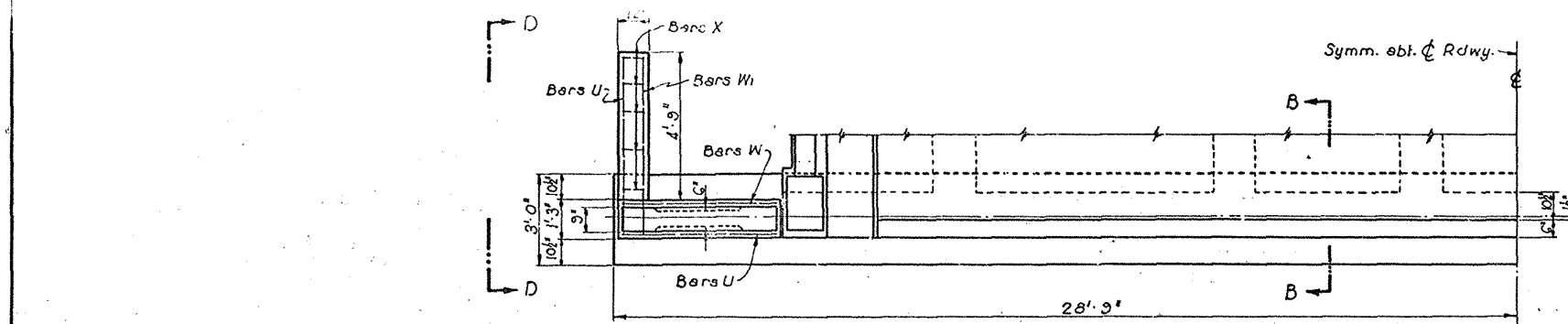




BILL OF MATERIAL					
Mark	Size	Spec. No.	Unit	Total Length	Location
ONE END BENT					
C	1"	18	30'-4"	546'-0"	Longit. Cap.
Total 1" Bars				546'-0"	1856 Lbs.
HC	1/2"	60	10'-2"	610'-0"	Hoops in Cap.
R	1/2"	16	4'-8"	74'-8"	Horiz. in End Rail.
VR	1/2"	16	5'-0"	80'-0"	Vert. in End Rail.
W	1/2"	10	5'-0"	50'-0"	Horiz. Wings.
U	1/2"	22	5'-6"	121'-0"	Horiz. Wings.
VW	1/2"	24	7'-0"	168'-0"	Vert. in Wings.
X	1/2"	10	10'-6"	105'-0"	Horiz. Wings.
X	1/2"	10	9'-9"	97'-0"	Vert. in Wings.
Total 1/2" Bars				1306'-2"	1110 Lbs.
Total Reinforcing Steel					2966 Lbs.
Total Class A Concrete					17.94 Cu.Yds.
Total Class A-A Concrete					0.86 Cu.Yds.
ONE INTERMEDIATE BENT CAP					
C	1"	16	24'-0"	384'-0"	Longit. Cap.
Total 1" Bars				384'-0"	1306 Lbs.
HC	1/2"	39	10'-2"	396'-0"	Hoops in Cap.
Total 1/2" Bars				396'-0"	337 Lbs.
Total Reinforcing Steel					1643 Lbs.
Total Class A Concrete					10.57 Cu.Yds.
ADDITIONAL QUANTITIES TO BE ADDED TO ONE INTERMEDIATE SPAN C.G. 57 C 1-15					
D	1/2"	41	3'-0"	123'-0"	Appr. Slab Dowels.
HB	1/2"	12	5'-6"	66'-0"	Horiz. in End Brack.
VB	1/2"	12	4'-0"	48'-0"	Vert. in End Brack.
Total 1/2" Bars				237'-0"	202 Lbs.
Total Reinforcing Steel					202 Lbs.
Total Class A-A Concrete					3.62 Cu.Yds.

AVE. LOAD ON PILES APPROX.

Weight of Superstructure plus Live Load (No Impact) plus weight of Cap divided by No. of Piles.

End Bent = 28.0 Tons Per Pile.

Intermediate Bent = 32.4 Tons Per Pile.

GENERAL NOTES:-

Louisiana Highway Comm. Specifications.

Concrete to be Class A in Cap. Class A-A in Hand Rail.

All Reinforcing Steel to be deformed bars.

Square twisted bars not considered as deformed.

All dimensions of reinforcing are to bar centers.

No direct payment will be made for reinforcing steel in concrete piling.

The price bid per lin. ft. of piling shall include the cost of furnishing and placing all material for same.

All exposed surfaces to have a "Rubbed" finish.

APPROXIMATE QUANTITIES FOR PILES						
PILE LENGTHS	DRIVING CAP TOTAL		VARIABLE PART PER LIN. FT.		TAPERED POINT TOTAL	
	Conc.	Reinf. Steel Cu. Yds. Pounds.	Conc.	Reinf. Steel Cu. Yds. Pounds.	Conc.	Reinf. Steel Cu. Yds. Pounds.
15' - 35'	.031	36	.051	12	.170	65
36' - 55'	.031	38	.070	15	.204	166 *
56' - 75'	.031	39	.083	29	.280	236 *

* Includes 3/4" bars at lifting points.

STANDARD PLAN

REINF. CONC. PILE BENTS.

41'-0" ROADWAY · 1'-6" SIDEWALKS

FOR 38'-9" SPAN · C.G. 57 C 1-15

LOUISIANA HIGHWAY COMMISSION

BATON ROUGE, LA. Feb. 25, 1935

DESIGNED BY: [Signature] CHECKED BY: [Signature] DRAWN BY: [Signature] REVISIONS: [Signature]