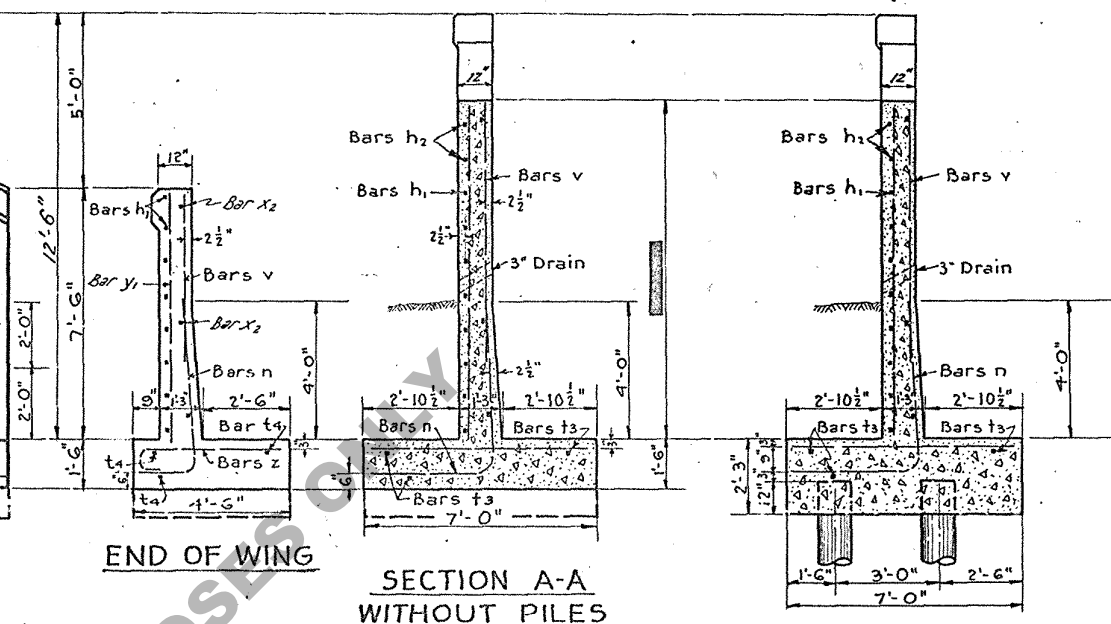
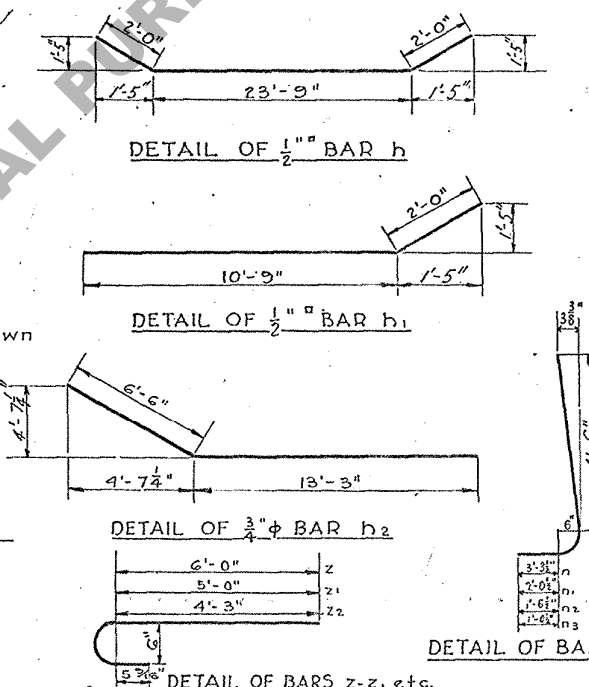




SHOWING REINFORCEMENT IN BACK OF
WALL AND BOTTOM OF FOOTING

SECTION A-A
WITHOUT PILES

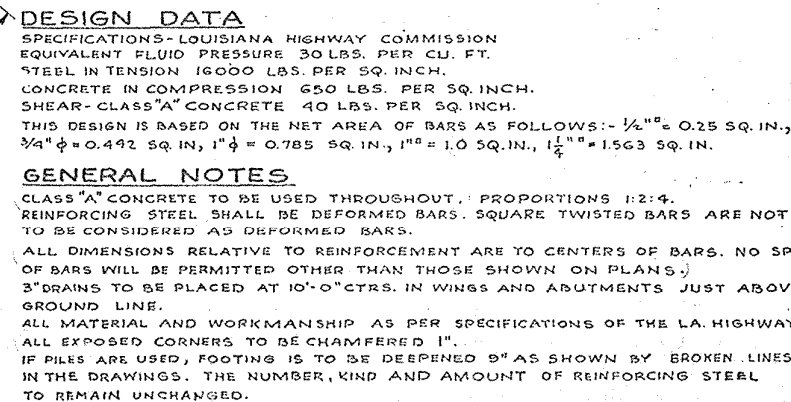
SECTION A-A
WITH PILES



SHOWING REINFORCEMENT IN BACK
OF WALL AND BOTTOM OF FOOTING

DETAIL OF $\frac{3}{4}" \phi$ BAR h₂

DETAIL OF BARS $n-n_1$ etc.



BILL OF MATERIAL						
BAR	N ^o	SIZE	LENGTH		WEIGHT	LOCATION
			UNIT	TOTAL		
f ₃	3	1/2" #	23'-6"	70'-6"	60	BOTTOM OF FOOTING
f ₄	6	1/2" #	11'-0"	66'-0"	56	TOP " "
y	9	1/2" #	3'-6"	83'-6"	73	VERTICAL IN WINGS
y ₁	2	1/2" #	7'-6"	15'-0"	13	" "
x ₁	2	1/2" #	6'-0"	12'-0"	10	HORIZON. " "
x ₂	6	1/2" #	10'-6"	63'-0"	54	" " "
v ₁	6	1/2" #	10'-0"	60'-0"	51	VERTICAL " "
v ₂	10	1/2" #	8'-0"	80'-0"	68	" " "
v ₃	10	1/2" #	5'-3"	52'-6"	45	" " "
A	8	1/2" #	27'-0"	72'-0"	189	HORIZONTAL IN WALL
V	25	1/2" #	7'-9"	193'-9"	165	VERTICAL " "
X	3	1/2" #	29'-9"	71'-3"	61	HORIZONTAL " "
h ₁	16	1/2" #	12'-9"	204'-0"	173	
					1018	TOTAL 1/2" # BARS
z	10	3/4" #	7'-3"	72'-3"	108	TOP OF FOOTING
z ₁	8	3/4" #	6'-3"	50'-0"	75	" " "
z ₂	8	3/4" #	5'-6"	44'-0"	66	" " "
f	26	3/4" #	6'-3"	175'-6"	264	" " "
h ₂	4	3/4" #	13'-9"	79'-0"	119	HORIZ. IN WING
					632	TOTAL 3/4" # BARS
n	25	3/8" #	8'-7"	214'-7"	438	BOTTOM OF FOOTING
n ₁	12	3/8" #	7'-9"	88'-0"	180	" " "
n ₂	8	3/8" #	6'-10"	54'-8"	112	" " "
n ₃	6	3/8" #	6'-4"	38'-0"	78	" " "
					808	TOTAL 3/8" # BARS
TOTAL REINFORCING STEEL 345.0 LBS.						
CLASS "A" CONCRETE (WHEN PILING IS USED)						39.8 CU. YDS.
CLASS "A" CONCRETE (NO PILING)						32.2 CU. YDS.
LIN. FT. OF PILING IF REQUIRED (FOR ESTIMATING ONLY)						44.0 LIN. FT.

STANDARD
14^{FT.} R.C. ABUTMENT.

LOUISIANA HIGHWAY COMMISSION

BATON ROUGE, LA.

Scale, $\frac{3}{8}'' = 1'-0''$

Date, Nov. 1923

APPROVED

STATE HIGHWAY ENGINEER.

(R-2-03)C-5A