



DESIGN DATA
 Specifications: Louisiana Highway Commission
 Equivalent fluid pressure 50 lbs per cu ft.
 Steel in tension 16000 lbs per sq in.
 Concrete in compression 650 lbs per sq in.
 Shear class A concrete 40 lbs per sq in.
 This design is based on the net area of bars as follows: 2\"/>

GENERAL NOTE
 Class A concrete to be used thruout. Proportions 1:2:4.
 Reinforcing steel shall be deformed bars. Square twisted bars not to be considered as deformed.
 All dimensions relative to reinforcement are to centers of bars. No splices will be permitted other than those shown on plans.
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END OF WING SECTION A-A WITHOUT PILING SECTION A-A WITH PILING

BILL OF MATERIAL

Bar No	Size	Length	Weight	Location
V2	23	200	166.9	Vertical in web
V4	8	200	23.6	" " wing
V5	8	200	23.6	" " "
V6	8	200	23.6	" " "
V7	10	200	27.9	Horizontal in web
V1	20	200	16.3	" " wing
X	3	200	23.3	" " wing
V2	6	200	14.3	" " wing
V2	6	200	14.3	" " footing
V3	8	200	21.3	" " wing
V1	2	200	11.3	Vertical " web
V2	7	200	13.3	" " "
T	4	100	10.3	Horizontal " footing
T1	19	100	8.9	" " "
Z	10	100	8.6	" " "
Z1	10	100	7.3	" " "
H	23	18	19.4	" " "
H1	2	18	9.1	" " "
H2	10	18	8.1	" " "
H3	10	18	7.1	" " "
V1	8	3	7.3	Vertical in wing
V2	4	3	24.3	Horizontal in "
V3	1	3	20.3	" " "
Z2	8	3	6.3	" " footing
V	13	1	7.3	Vertical in wing
V4	8	1	7.4	Horizontal in footing

Total reinforcing steel 3572"
 Lim. ft piling - 28 at 20 ft = 520 ft. (for estimating only)
 class A conc. [with piling] 62.10 cu yds.
 class A conc. [without piling] 30.82 cu yds.

STANDARD
10 FT. R.C. ABUTMENT
LOUISIANA HIGHWAY COMMISSION
BATON ROUGE LA
 Scale 3/4" = 1'-0" Date Nov 1923
 APPROVED: *[Signature]*
 STATE HIGHWAY ENGINEER

FOR INFORMATIONAL PURPOSES ONLY

VOID
 12-20-25