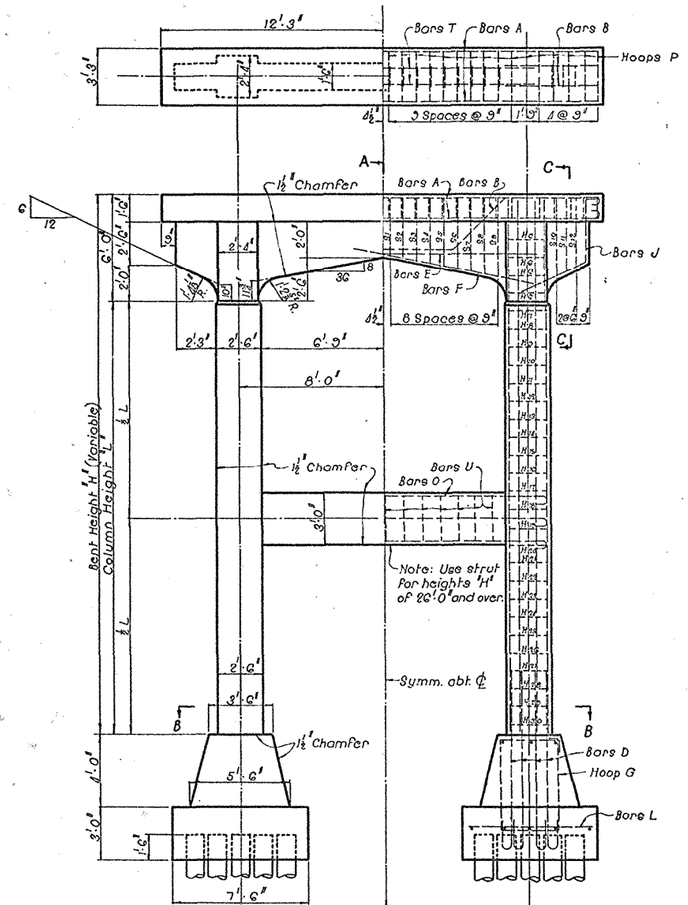
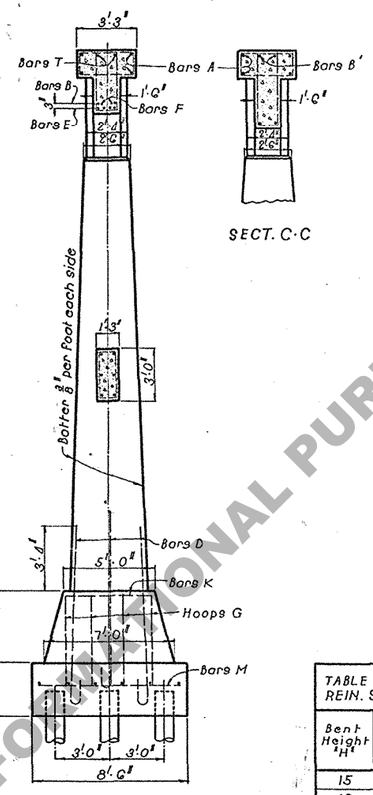
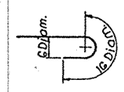
STATE PROJECT	PARISH	SHEET No.



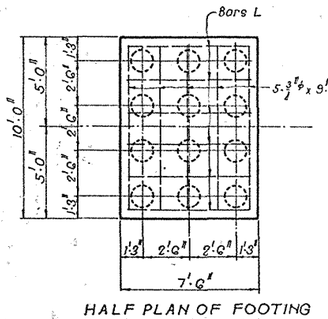


SECT. C-C

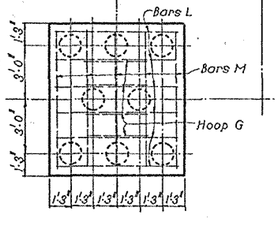
SECTION A-A



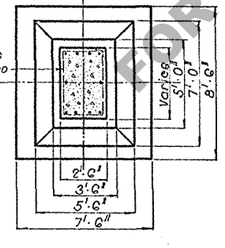
Typical Bending Diagram For Hooked Bars.



HALF PLAN OF FOOTING
Showing Spacing and dimensions For 12 Pile Footing. Parts not shown same as 8 Pile Footing.



HALF PLAN OF FOOTING
Showing Pile Spacing and Bottom Reinforcing Steel.



HALF SECT. B-B

Mark	Size	No Reqd.	Length Each	Total Length	Location and Description	Detail
A	1" □	4	26'-0"	104'-0"	Cap	23'-10"
B	"	2	28'-4"	56'-8"	Bent in Cap	5'-3" 2'-3" 2'-3" 7'-10" 2'-3" 2'-3" 5'-3"
C	"	20	Varies	Varies	Columns	Straight
D	"	20	10'-6"	210'-0"	Columns and Footings	3'-3"
E	"	4	17'-0"	68'-0"	Beam	Straight
Constant 1" □ Bars 438'-8" = 1491 Pounds						
F	3/8" ϕ	4	10'-0"	40'-0"	Beam	Straight
G	"	8	17'-6"	140'-0"	Footings	3'-0"
J	"	4	8'-3"	33'-0"	Cap Overhang	2'-0"
K	"	6	4'-6"	27'-0"	Top Footing	Straight
L	"	12	7'-0"	84'-0"	Bot. "	"
M	"	10	8'-0"	80'-0"	" "	"
Constant 3/8" ϕ Bars 404'-0" = 607 Pounds						
O	3/8" ϕ	6	19'-9"	118'-6"	Strut	-178# 18'-0"
U	½" □	13	8'-0"	104'-0"	Strut 12" Spacing	-88# 2'-7"
Additional Steel when strut is used = 266 Pounds						
H6	½" □	8	9'-0"	72'-0"	Columns 12" Spacing	2'-0"
H7 to H30	"	2 Each Varies	Varies	Varies		
P	"	30	9'-2"	275'-0"	Cap	2'-11"
S1 to S12	"	2 Each	Varies	269'-0"	Cap	1'-2"
T	"	2	17'-0"	34'-0"	Cap	Straight
Constant ½" □ Bars 650'-0" = 553 Pounds						
Total weight of constant reinforcing steel = 2651 Pounds (Not including strut)						

8 Pile Footing - Maximum Pile Load = 15 Tons.
12 " " " " " = 10 "

TABLE OF QUANTITIES AND VARIABLE REIN. STEEL FOR HEIGHTS OF 15' TO 30'

Bent Height "H"	Length Each Bars C 20 Reqd.	Variable Hoops 2 Each Required	Total Wt. Reinf. Steel Pounds	Class "A" Concrete Cu. Yds.
15	12'-6"	H7 to H15	3786	35.37
16	13'-6"	H7 to H16	3871	35.95
17	14'-6"	H7 to H17	3957	36.53
18	15'-6"	H7 to H18	4043	37.13
19	16'-6"	H7 to H19	4129	37.73
20	17'-6"	H7 to H20	4215	38.35
21	18'-6"	H7 to H21	4302	38.98
22	19'-6"	H7 to H22	4388	39.63
23	20'-6"	H7 to H23	4475	40.28
24	21'-6"	H7 to H24	4562	40.95
25	22'-6"	H7 to H25	4650	41.62
Strut added for bents below				
26	23'-6"	H7 to H26	5003	44.19
27	24'-6"	H7 to H27	5091	44.89
28	25'-6"	H7 to H28	5179	45.60
29	26'-6"	H7 to H29	5267	46.32
30	27'-6"	H7 to H30	5356	47.06

Note: Add 2.17 Cu. Yds. Class "A" Concrete and 23 Pounds of Reinforcing Steel to above quantities when 12 Pile Footings are used.

Detailed for C-G-34-15

Date	Description	By
1-46	Std. No.	

REVISIONS

STANDARD PLAN
REINFORCED CONCRETE 2 COLUMN BENT
FOR 36' to 40' R.C. DK. GDR. SPANS
24' ROADWAY
HEIGHTS 15' To 30'

LOUISIANA HIGHWAY COMMISSION
BATON ROUGE, LA. Sept. , 1934

Designed	Detailed	Traced Heath
Checked	Checked Heath	Checked H.G.R.
In Charge of C. Hinks A. Wilson		Bridge Designing Engineer

C-S-155-15

FOR INFORMATIONAL PURPOSES ONLY