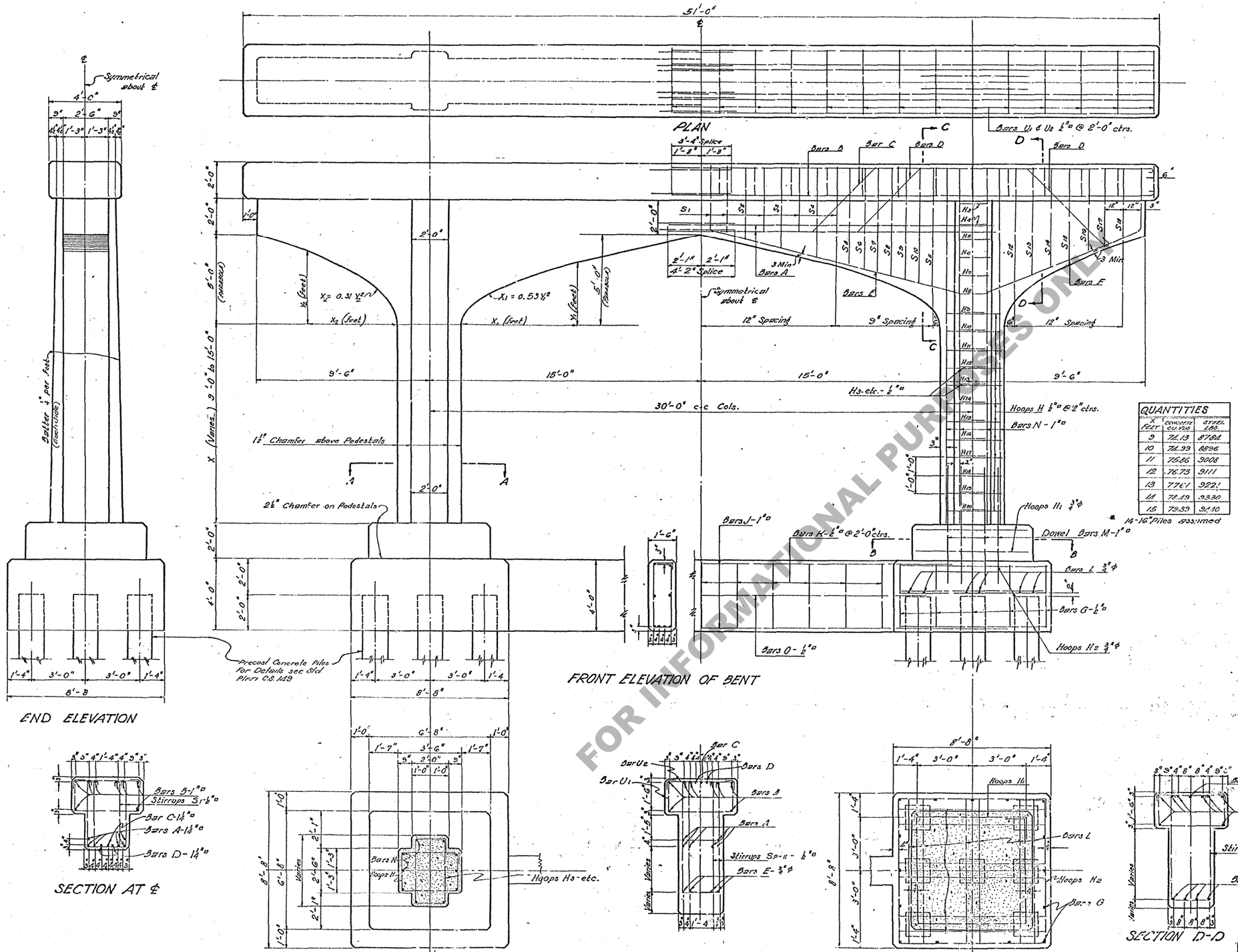

QUANTITIES		
X FEET	CONCRETE CU. YDS.	STEEL LBS.
9	74.13	8784
10	74.99	8896
11	75.86	9008
12	76.73	9111
13	77.61	9221
14	78.49	9330
15	79.39	9440

REINFORCING STEEL

Mark	Size	No.	Un. Lgth.	Tot. Lgth.	Description	Location
H	½"ø	X / X+10: 9 / 19; 10 / 20; 11 / 21; 12 / 22; 13 / 23; 14 / 24; 15 / 25	12'-1½"	222'-6"	9'-1½"	Hoops in Columns
H3 to H24	"	2 Each	Vr. 11'-7"	360'-0"	1'-1½"	"
S1	"	20	10'-2½"	204'-2"		Stirrups in T-Beams
S2 to S11	"	4 Each	Arc. 14'-4"	573'-4"		
S12 to S18	"	2 Each	Arc. 13'-8½"	191'-11"		
U1	"	26	7'-10"	203'-8"	3'-7½"	Stirrups in Cap
U2	"	26	4'-7½"	120'-3"	3'-7½"	"
G	"	32	3'-6"	112'-0"	STRAIGHT	Footing
K	"	11	11'-2"	122'-10"	3'-7½" 1'-1½"	TIE
O	"	2	28'-0"	56'-0"	STRAIGHT	Tie
Total ½"ø Bars = 1562'-2" = 1347 Lbs. + Variable Bars						
F	¾"ø	8	14'-0"	112'-0"	3'-6" 12" Rad. = 2½" 9'-6"	Bracket
E	"	8	14'-6"	116'-0"	STRAIGHT	Cap
H1	"	4	26'-5½"	105'-10"	H1 6'-0" 6'-0" H1	Footing
H2	"	6	34'-5½"	206'-9"	8'-0" H2	"
L	"	24	8'-0"	192'-0"	STRAIGHT	"
Total ¾"ø Bars = 732'-7" = 1100 Lbs.						
M	1"ø	20	6'-0"	133'-4"	STRAIGHT	Dowels
N	"	20	3' Length; 9: 17'-5"; 10: 18'-5"; 11: 19'-5"; 12: 20'-5"; 13: 21'-5"; 14: 22'-5"; 15: 23'-5"	348'-4"; 368'-4"; 388'-4"; 408'-4"; 428'-4"; 448'-4"; 468'-4"	STRAIGHT 26'-8"	Column
B	"	16	28'-0"	448'-0"	Rad. = 3" 1'-4"	T-Beam
J	"	6	28'-0"	168'-0"	STRAIGHT	"
Total 1"ø Bars = 742'-4" = 2548 Lbs. + Variable Bars						
A	1¼"ø	12	18'-2"	218'-0"	STRAIGHT	T-Beam
C	"	2	30'-1"	60'-2"	Rads. 4" 1'-6" 8'-2½" 3'-6" 13'-3" 27'-5½"	"
D	"	4	28'-11½"	115'-10"	4-11½" Rad. = 3" 10'-8½" 3'-6" 5'-1" 24'-10½" 1'-6"	"
Total 1¼"ø Bars = 394'-0" = 2093 Lbs.						

GENERAL NOTES:
Specifications: Louisiana Highway Commission.
All Concrete to be Class A.
All dimensions to reinforcing steel are to bars centers.
Bars shall be spliced only where shown.
All corners to be chamfered 1" unless otherwise shown.
All exposed surfaces shall have a "rubbed finish."
Maximum Pile load = 29 Tons.

12-30-65

STANDARD PLAN
REINF. CONC. COLUMN BENT
FOR 38' SPAN. C.G. 59
HEIGHTS: 24'- 30'

LOUISIANA HIGHWAY COMMISSION
BATON ROUGE, LA. July 1938

DATE	DESCRIPTION	BY
	REVISIONS	

DESIGNED L. Lee Hill | DETAILED L. Lee Hill | TRACED C.R. Bennett
CHECKED Hucy | CHECKED Hucy | CHECKED Hucy
IN CHARGE OF L. Lee Hill, Assistant Bridge Engineer

FOR INFORMATIONAL PURPOSES ONLY