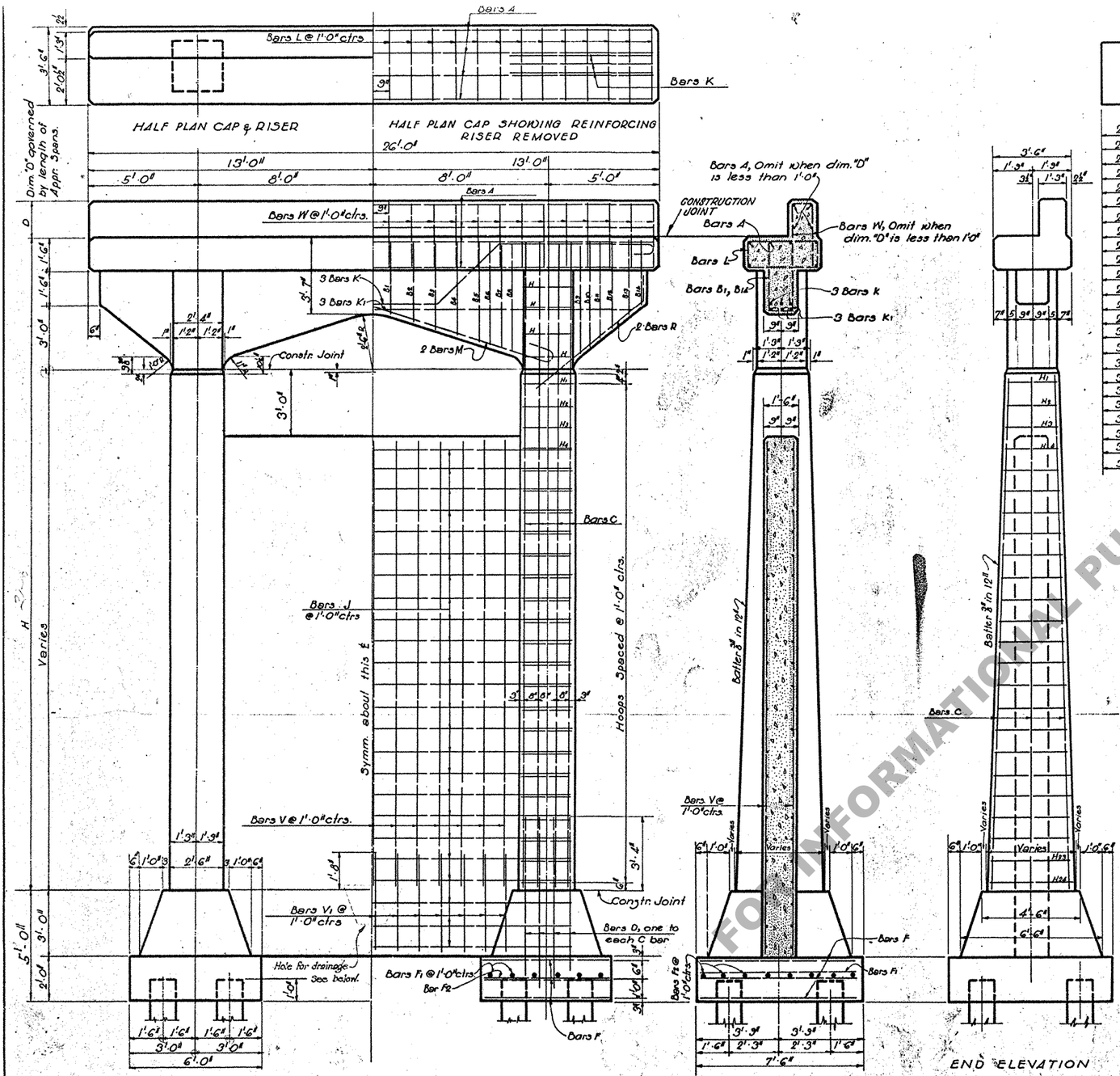

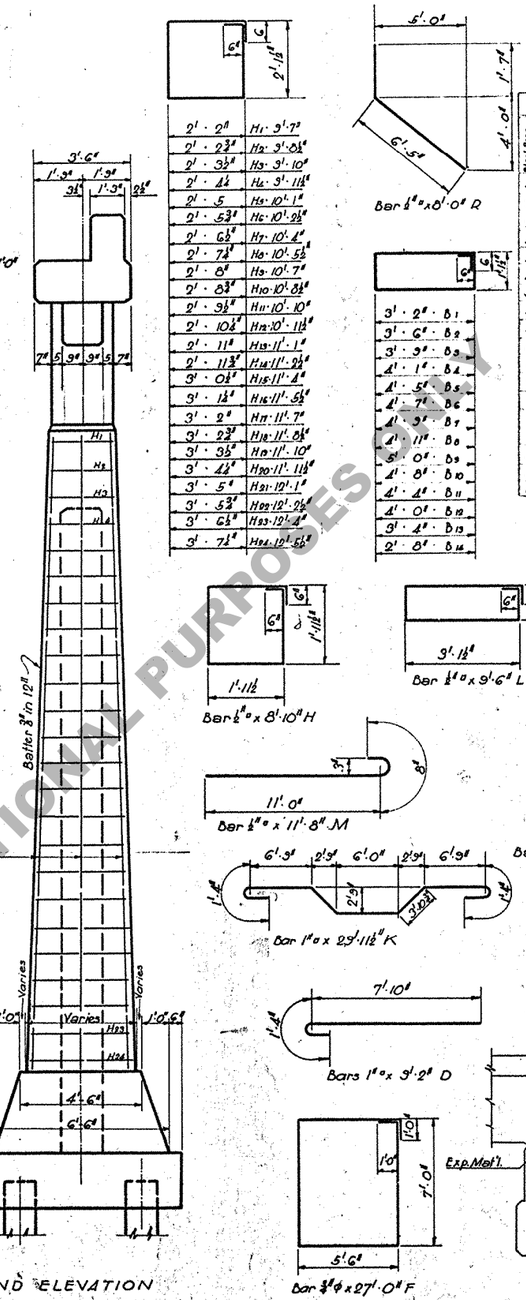

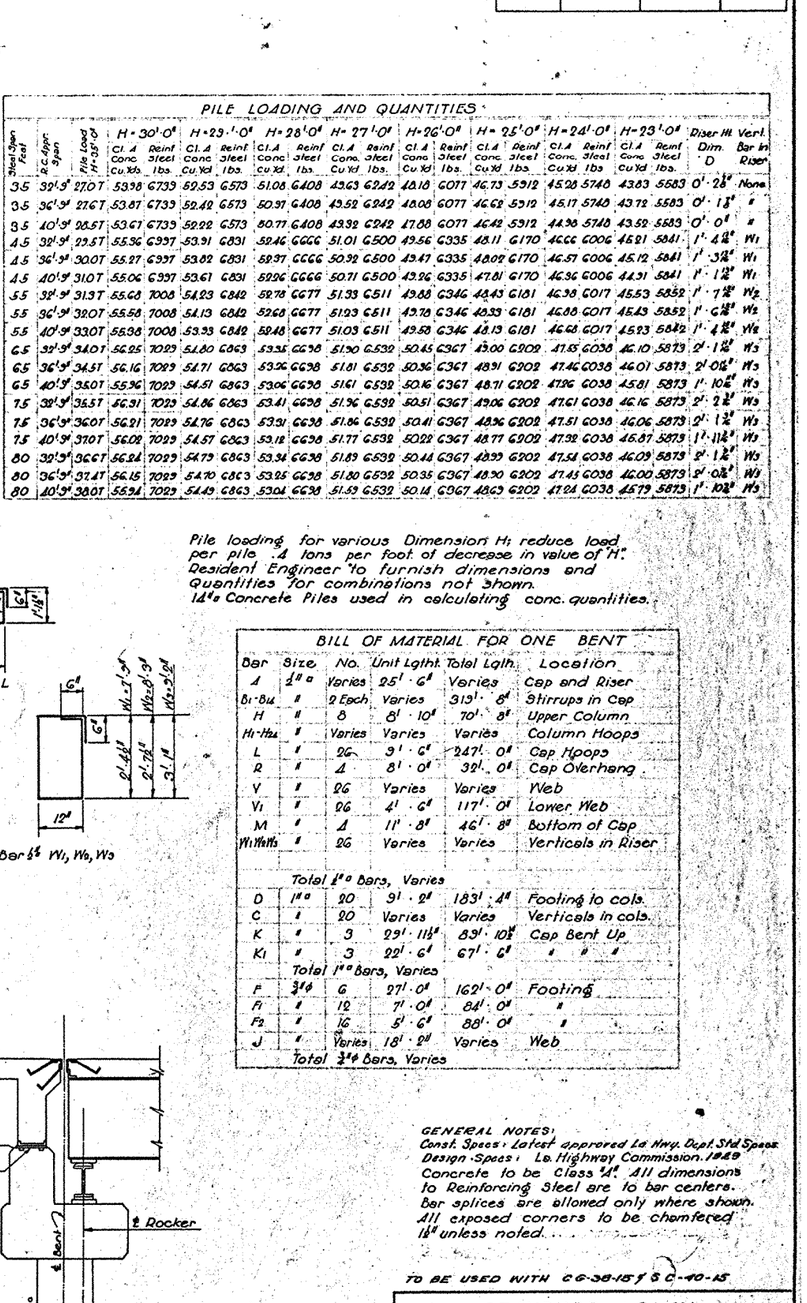

Steel Span Fixed	R.C. Appr. Span	Pile Load Tons	H = 30'-0" Cl. A Conc. Cu. Yds.	H = 30'-0" Reinf. Steel lbs.	H = 29'-0" Cl. A Conc. Cu. Yd.	H = 29'-0" Reinf. Steel lbs.	H = 28'-0" Cl. A Conc. Cu. Yd.	H = 28'-0" Reinf. Steel lbs.	H = 27'-0" Cl. A Conc. Cu. Yd.	H = 27'-0" Reinf. Steel lbs.	H = 26'-0" Cl. A Conc. Cu. Yd.	H = 26'-0" Reinf. Steel lbs.	H = 25'-0" Cl. A Conc. Cu. Yd.	H = 25'-0" Reinf. Steel lbs.	H = 24'-0" Cl. A Conc. Cu. Yd.	H = 24'-0" Reinf. Steel lbs.	H = 23'-0" Cl. A Conc. Cu. Yd.	H = 23'-0" Reinf. Steel lbs.	Diser. H1 Dim. D	Vert. Bar in Riser
3.5	39'-9"	27.07	53.98	6739	52.53	6573	51.08	6408	49.63	6242	48.18	6077	46.73	5912	45.28	5746	43.83	5583	0'-2 1/2"	None
3.5	36'-9"	27.67	53.87	6739	52.42	6573	50.97	6408	49.52	6242	48.08	6077	46.62	5912	45.17	5746	43.72	5583	0'-1 1/2"	"
3.5	40'-9"	26.57	53.67	6739	52.22	6573	50.77	6408	49.32	6242	47.88	6077	46.42	5912	44.98	5746	43.52	5583	0'-0"	"
4.5	39'-9"	29.57	55.36	6937	53.91	6831	52.46	6666	51.01	6500	49.56	6335	48.11	6170	46.66	6006	45.21	5841	1'-4 1/2"	W1
4.5	36'-9"	30.07	55.27	6937	53.82	6831	52.37	6666	50.92	6500	49.47	6335	48.09	6170	46.57	6006	45.12	5841	1'-3 1/2"	W1
4.5	40'-9"	31.07	55.06	6937	53.61	6831	52.26	6666	50.71	6500	49.26	6335	47.81	6170	46.36	6006	44.91	5841	1'-1 1/2"	W1
5.5	39'-9"	31.37	55.68	7008	54.23	6842	52.78	6677	51.33	6511	49.88	6346	48.43	6181	46.98	6017	45.53	5852	1'-7 1/2"	W2
5.5	36'-9"	32.07	55.58	7008	54.13	6842	52.68	6677	51.23	6511	49.78	6346	48.33	6181	46.88	6017	45.43	5852	1'-6 1/2"	W2
5.5	40'-9"	33.07	55.38	7008	53.93	6842	52.48	6677	51.03	6511	49.58	6346	48.13	6181	46.68	6017	45.23	5852	1'-4 1/2"	W2
6.5	39'-9"	34.07	52.95	7029	51.80	6863	50.35	6698	51.90	6532	50.45	6367	49.00	6202	47.55	6038	46.10	5873	2'-1 1/2"	W3
6.5	36'-9"	34.57	52.16	7029	50.71	6863	49.26	6698	51.81	6532	50.36	6367	48.91	6202	47.46	6038	46.01	5873	2'-0 1/2"	W3
6.5	40'-9"	35.07	52.36	7029	50.91	6863	49.46	6698	51.61	6532	50.16	6367	48.71	6202	47.26	6038	45.81	5873	1'-10 1/2"	W3
7.5	39'-9"	36.57	50.91	7029	49.86	6863	48.41	6698	51.96	6532	50.51	6367	49.06	6202	47.61	6038	46.16	5873	2'-2 1/2"	W3
7.5	36'-9"	37.07	50.21	7029	48.76	6863	47.31	6698	51.86	6532	50.41	6367	48.96	6202	47.51	6038	46.06	5873	2'-1 1/2"	W3
7.5	40'-9"	37.07	50.02	7029	48.57	6863	49.12	6698	51.77	6532	50.22	6367	48.77	6202	47.32	6038	45.87	5873	1'-11 1/2"	W3
8.0	39'-9"	39.67	50.24	7029	48.79	6863	49.34	6698	51.89	6532	50.44	6367	48.99	6202	47.54	6038	46.09	5873	2'-1 1/2"	W3
8.0	36'-9"	39.47	50.15	7029	48.70	6863	49.25	6698	51.80	6532	50.35	6367	48.90	6202	47.45	6038	46.00	5873	2'-0 1/2"	W3
8.0	40'-9"	39.07	50.54	7029	49.49	6863	50.04	6698	51.59	6532	50.14	6367	48.69	6202	47.24	6038	45.79	5873	1'-10 1/2"	W3

PILE LOADING AND QUANTITIES

Pile loading for various Dimension H1 reduce load per pile .4 tons per foot of decrease in value of "H". Resident Engineer to furnish dimensions and quantities for combinations not shown. 14" ø Concrete Piles used in calculating conc. quantities.

BILL OF MATERIAL FOR ONE BENT

Bar	Size	No.	Unit Lgth.	Total Lgth.	Location
A	1" ø	Varies	25'-6"	Varies	Cap and Riser
B1-B14	"	2 Each	Varies	313'-8"	Stirrups in Cap
H	"	8	8'-10"	70'-8"	Upper Column
H1-H24	"	Varies	Varies	Varies	Column Hoops
L	"	26	3'-6"	247'-0"	Cap Hoops
R	"	4	8'-0"	32'-0"	Cap Overhang
V	"	26	Varies	Varies	Web
V1	"	26	4'-6"	117'-0"	Lower Web
M	"	4	11'-8"	46'-8"	Bottom of Cap
W1-W3	"	26	Varies	Varies	Verticals in Riser
	Total 1" ø Bars, Varies				
D	1" ø	20	9'-2"	183'-4"	Footing to cols.
C	"	20	Varies	Varies	Verticals in cols.
K	"	3	29'-11 1/2"	89'-10 1/2"	Cap Bent Up
K1	"	3	22'-6"	67'-6"	" " "
	Total 1" ø Bars, Varies				
F	3/4" ø	6	27'-0"	162'-0"	Footing
F1	"	12	7'-0"	84'-0"	"
F2	"	16	5'-6"	88'-0"	"
J	"	Varies	18'-2"	Varies	Web
	Total 3/4" ø Bars, Varies				

GENERAL NOTES:
Const. Specs: Latest approved La. Hwy. Dept. Std Specs.
Design Specs: La. Highway Commission. 1935
Concrete to be Class "A". All dimensions to Reinforcing Steel are to bar centers.
Bar splices are allowed only where shown.
All exposed corners to be chamfered 1 1/2" unless noted.

TO BE USED WITH CG-38-15 & SC-40-15

STANDARD PLAN
2 COLUMN R.C. BENT
WITH WEB WALL
Total HEIGHTS 23 to 30 Ft.

DATE	DESCRIPTION	BY
10-30-37	CHANGED ON CAP.	Clerk
10-17-35	Hole for drainage in web wall	R. E. W.
10-14-35	Column Dim. "H"	C.A.M.
9-19-35	Riser Height Dim.	J.T.H.

REVISIONS

1-46 Gen. Notes & Std. Plan No.

LOUISIANA HIGHWAY COMMISSION
BATON ROUGE, LA. JUNE 1935

DESIGNED Robinson | DETAILED Robinson | TRACED O. Hagner
CHECKED Fleming | CHECKED P. Leaming | CHECKED
IN CHARGE OF Charles A. Miller | BRIDGE DESIGNING ENGINEER

CS-124-15

C.S. 124

FOR INFORMATIONAL PURPOSES ONLY