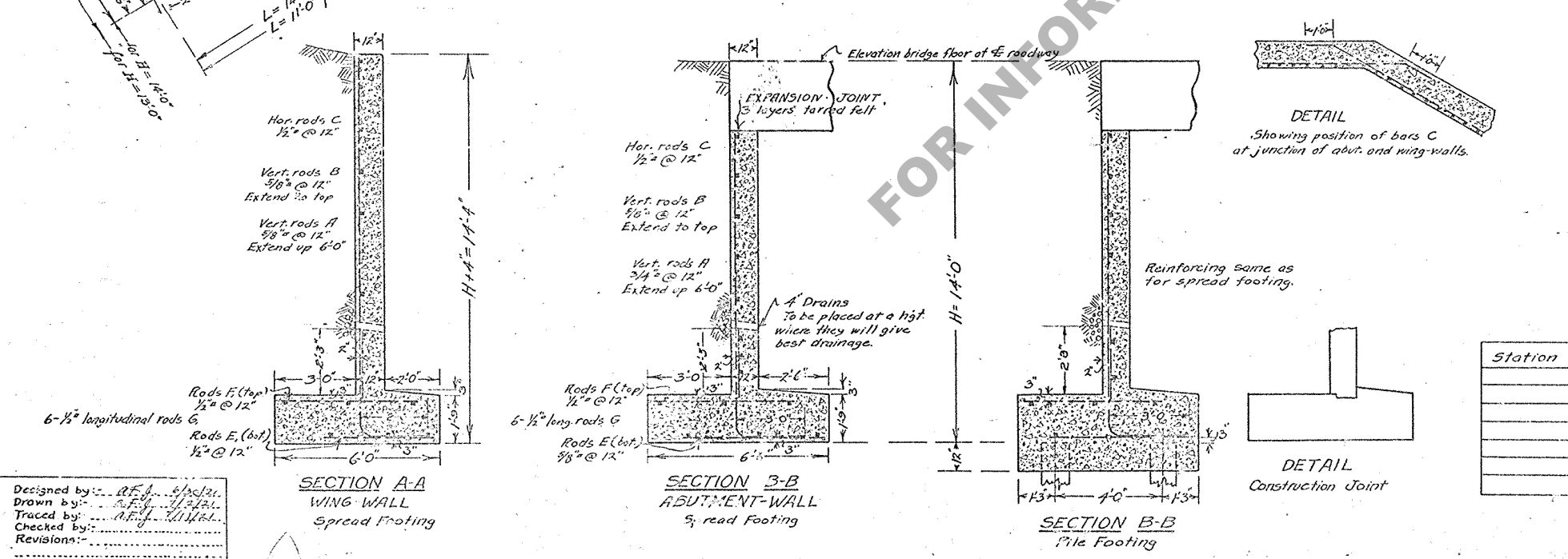
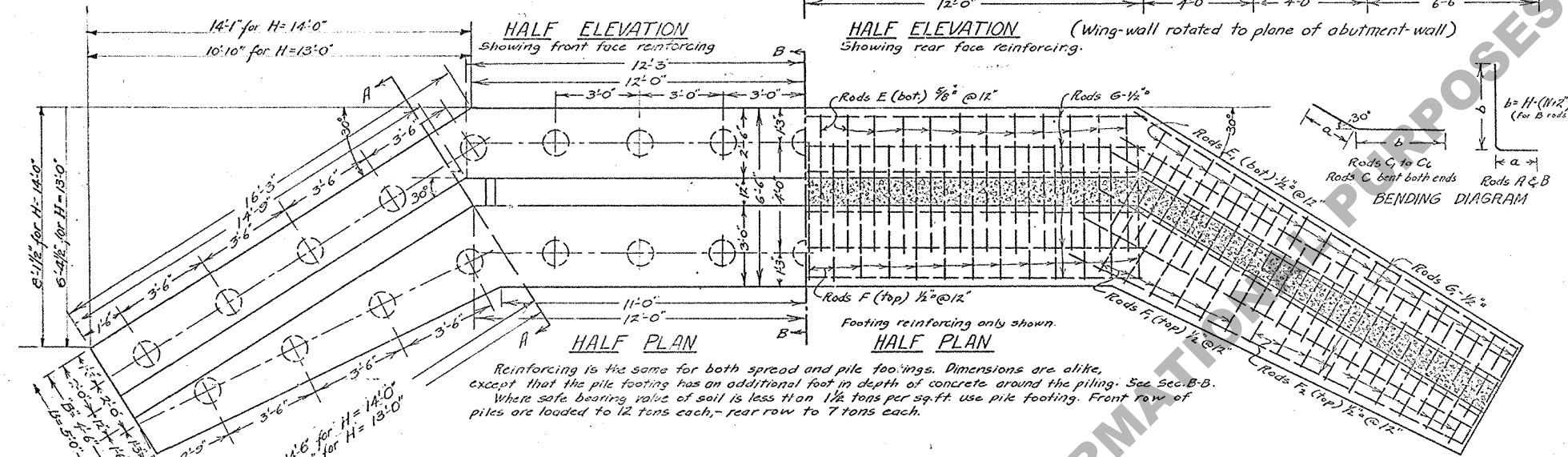
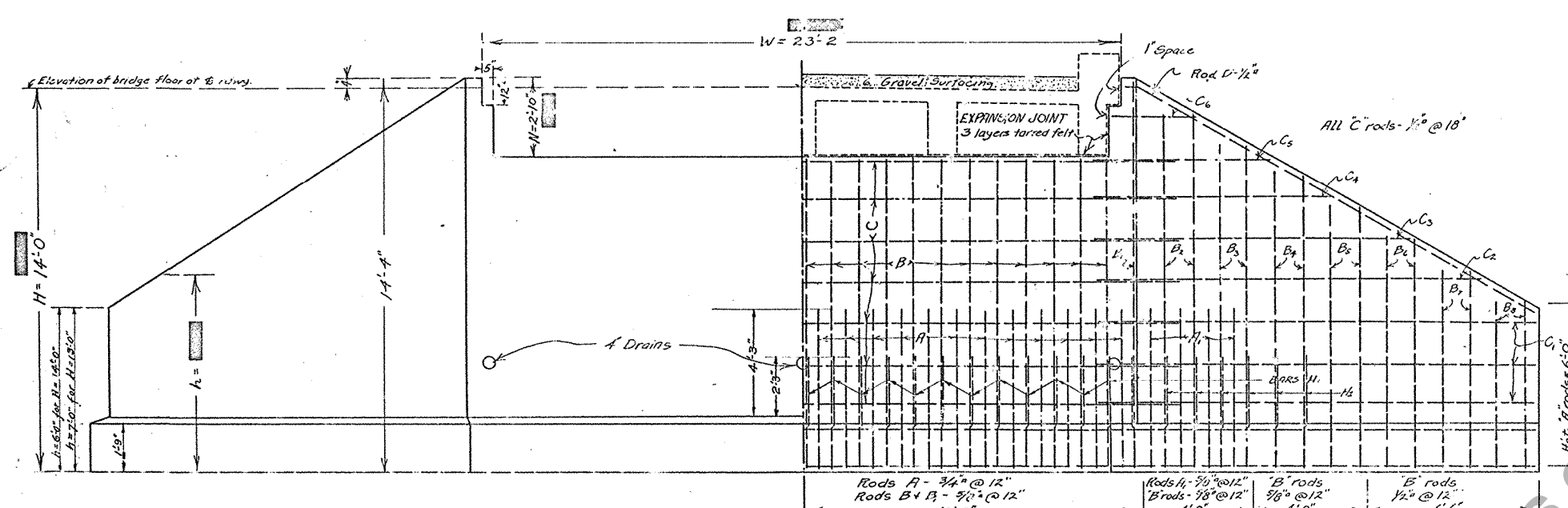




Designed by: R.F. ...
 Drawn by: R.F. ...
 Traced by: R.F. ...
 Checked by: R.F. ...
 Revisions: ...

TABLE I

ABUTMENT STEEL SCHEDULE

Location	Bar	Size	Spans	No.	Length	Weight	Bending
Rear Vert	A	3/8"	12'	2	11'-0"	5.0	do
"	B	3/8"	12'	2	11'-0"	5.0	do
"	C	1/2"	12'	2	11'-0"	5.0	do
"	D	1/2"	12'	2	11'-0"	5.0	do
"	E	1/2"	12'	2	11'-0"	5.0	do
"	F	1/2"	12'	2	11'-0"	5.0	do
"	G	1/2"	12'	2	11'-0"	5.0	do
"	H	1/2"	12'	2	11'-0"	5.0	do
TOTAL						19.0 Cuyds. Conc.	1.35 Lbs. Steel
For pile ftg. add						5.6 Cuyds. Conc.	1.8 pile

STEEL IN TWO WINGS

Location	Bar	Size	Spans	No.	Length	Weight	Bending
Rear Vert	A	3/8"	12'	2	11'-0"	5.0	do
"	B	3/8"	12'	2	11'-0"	5.0	do
"	C	1/2"	12'	2	11'-0"	5.0	do
"	D	1/2"	12'	2	11'-0"	5.0	do
"	E	1/2"	12'	2	11'-0"	5.0	do
"	F	1/2"	12'	2	11'-0"	5.0	do
"	G	1/2"	12'	2	11'-0"	5.0	do
"	H	1/2"	12'	2	11'-0"	5.0	do
TOTAL						19.0 Cuyds. Conc.	1.35 Lbs. Steel
For pile ftg. add						5.6 Cuyds. Conc.	1.8 pile

TABLE II

QUANTITIES FOR 14' 13' HEIGHTS & VARIOUS WING LENGTHS

H	h	L	B	Conc.	Steel	Notes
14'-0"	4'-0"	12'-0"	4'-0"	4.2	2.1	3.0
"	5'-0"	12'-0"	4'-0"	4.2	2.1	3.0
"	6'-0"	12'-0"	4'-0"	4.2	2.1	3.0
"	7'-0"	12'-0"	4'-0"	4.2	2.1	3.0
"	8'-0"	12'-0"	4'-0"	4.2	2.1	3.0
"	9'-0"	12'-0"	4'-0"	4.2	2.1	3.0
"	10'-0"	12'-0"	4'-0"	4.2	2.1	3.0
"	11'-0"	12'-0"	4'-0"	4.2	2.1	3.0
"	12'-0"	12'-0"	4'-0"	4.2	2.1	3.0
"	13'-0"	12'-0"	4'-0"	4.2	2.1	3.0
"	14'-0"	12'-0"	4'-0"	4.2	2.1	3.0

TABLE III

QUANTITIES TO BE ADDED TO TABLE II FOR VARIOUS GIRDER SPANS & ROADWAY WIDTHS. ALSO VALUES OF W & N

SPAN	N	W	Conc.	Steel	N	W	Conc.	Steel
16'	2'-0"	2'-0"	0.66	0.33	2'-0"	2'-0"	0.66	0.33
18'	2'-0"	2'-0"	0.66	0.33	2'-0"	2'-0"	0.66	0.33
20'	2'-0"	2'-0"	0.66	0.33	2'-0"	2'-0"	0.66	0.33
22'	2'-0"	2'-0"	0.66	0.33	2'-0"	2'-0"	0.66	0.33
24'	2'-0"	2'-0"	0.66	0.33	2'-0"	2'-0"	0.66	0.33
26'	2'-0"	2'-0"	0.66	0.33	2'-0"	2'-0"	0.66	0.33
28'	2'-0"	2'-0"	0.66	0.33	2'-0"	2'-0"	0.66	0.33
30'	2'-0"	2'-0"	0.66	0.33	2'-0"	2'-0"	0.66	0.33

GENERAL NOTES & DESIGN DATA

General Spec. - La. State Highway Dept.

All concrete to be class "A" (1:2:4)

All reinforcing bars to consist of deformed bars having an effective area equal to that of the bars noted on plan.

All exposed corners to be given a 3/4" chamfer, except where noted otherwise.

Design as shown on plan is for 30' girder, with 20' roadway. For other girder spans and roadway widths, see table II. For 13' height and various wing lengths, see table III.

Construction joint between ftg. and wall to be keyed as shown on plan.

All dimensions relating to reinforcing bars, refer to centers of bars.

TABLE II

ABUTMENT STEEL SCHEDULE

Location	Bar	Size	Spans	No.	Length	Weight	Bending
Rear Vert	A	3/8"	12'	2	11'-0"	5.0	do
"	B	3/8"	12'	2	11'-0"	5.0	do
"	C	1/2"	12'	2	11'-0"	5.0	do
"	D	1/2"	12'	2	11'-0"	5.0	do
"	E	1/2"	12'	2	11'-0"	5.0	do
"	F	1/2"	12'	2	11'-0"	5.0	do
"	G	1/2"	12'	2	11'-0"	5.0	do
"	H	1/2"	12'	2	11'-0"	5.0	do
TOTAL						18.1 Cuyds. Conc.	1.48 Lbs. Steel
For pile ftg. add						5.6 Cuyds. Conc.	1.8 pile

STEEL IN TWO WINGS

Location	Bar	Size	Spans	No.	Length	Weight	Bending
Rear Vert	A	3/8"	12'	2	11'-0"	5.0	do
"	B	3/8"	12'	2	11'-0"	5.0	do
"	C	1/2"	12'	2	11'-0"	5.0	do
"	D	1/2"	12'	2	11'-0"	5.0	do
"	E	1/2"	12'	2	11'-0"	5.0	do
"	F	1/2"	12'	2	11'-0"	5.0	do
"	G	1/2"	12'	2	11'-0"	5.0	do
"	H	1/2"	12'	2	11'-0"	5.0	do
TOTAL						18.1 Cuyds. Conc.	1.48 Lbs. Steel
For pile ftg. add						5.6 Cuyds. Conc.	1.8 pile

TABLE III

QUANTITIES FOR 14' 13' HEIGHTS & VARIOUS WING LENGTHS

H	h	L	B	Conc.	Steel	Notes
14'-0"	4'-0"	12'-0"	4'-0"	4.2	2.1	3.0
"	5'-0"	12'-0"	4'-0"	4.2	2.1	3.0
"	6'-0"	12'-0"	4'-0"	4.2	2.1	3.0
"	7'-0"	12'-0"	4'-0"	4.2	2.1	3.0
"	8'-0"	12'-0"	4'-0"	4.2	2.1	3.0
"	9'-0"	12'-0"	4'-0"	4.2	2.1	3.0
"	10'-0"	12'-0"	4'-0"	4.2	2.1	3.0
"	11'-0"	12'-0"	4'-0"	4.2	2.1	3.0
"	12'-0"	12'-0"	4'-0"	4.2	2.1	3.0
"	13'-0"	12'-0"	4'-0"	4.2	2.1	3.0
"	14'-0"	12'-0"	4'-0"	4.2	2.1	3.0

TABLE IV

QUANTITIES TO BE ADDED TO TABLE III FOR VARIOUS GIRDER SPANS & ROADWAY WIDTHS. ALSO VALUES OF W & N

SPAN	N	W	Conc.	Steel	N	W	Conc.	Steel
16'	2'-0"	2'-0"	0.66	0.33	2'-0"	2'-0"	0.66	0.33
18'	2'-0"	2'-0"	0.66	0.33	2'-0"	2'-0"	0.66	0.33
20'	2'-0"	2'-0"	0.66	0.33	2'-0"	2'-0"	0.66	0.33
22'	2'-0"	2'-0"	0.66	0.33	2'-0"	2'-0"	0.66	0.33
24'	2'-0"	2'-0"	0.66	0.33	2'-0"	2'-0"	0.66	0.33
26'	2'-0"	2'-0"	0.66	0.33	2'-0"	2'-0"	0.66	0.33
28'	2'-0"	2'-0"	0.66	0.33	2'-0"	2'-0"	0.66	0.33
30'	2'-0"	2'-0"	0.66	0.33	2'-0"	2'-0"	0.66	0.33

CONCRETE ABUTMENT

FOR CONC. GIRDER BRIDGES, 16' TO 30' SPANS

16', 18' & 20' ROADWAYS

Louisiana State Highway Department

State Board of Engineers

NEW ORLEANS, LA. Scale 3/8"=1'-0" JUNE 1921

APPROVED: _____

STATE HIGHWAY ENGINEER

(F-2-34) C-5-10