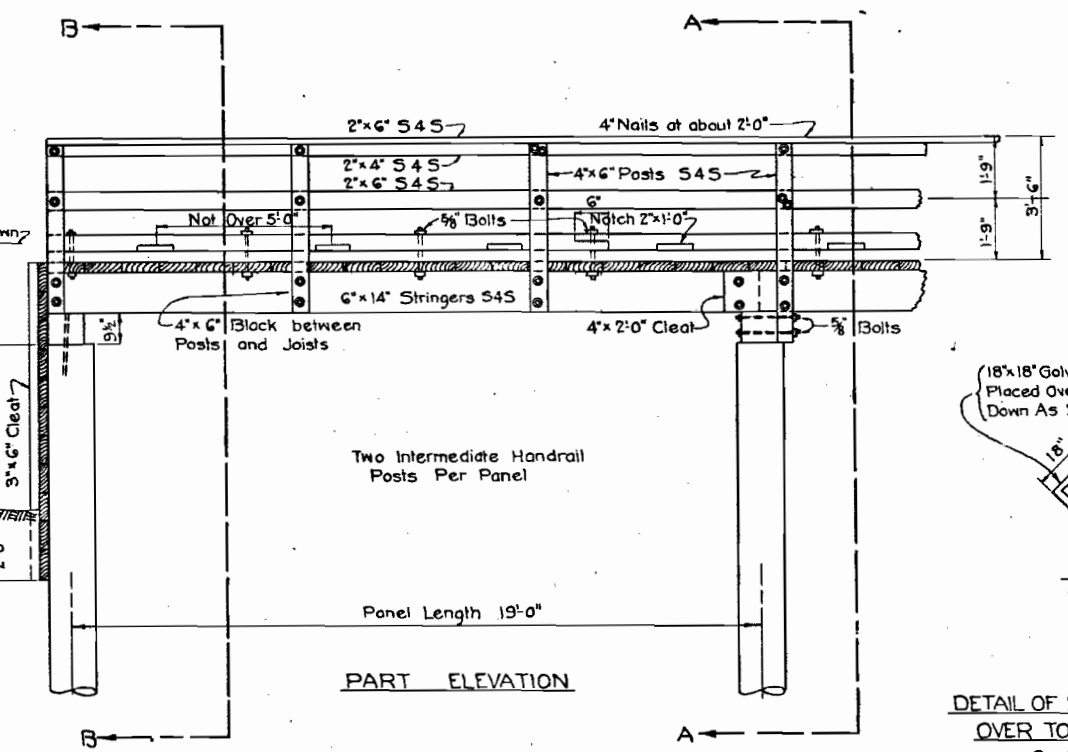
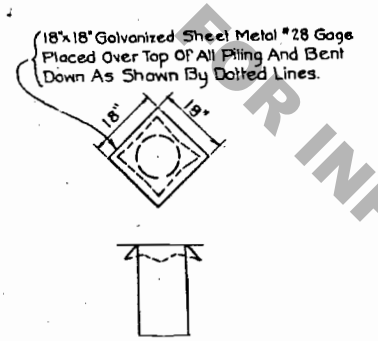
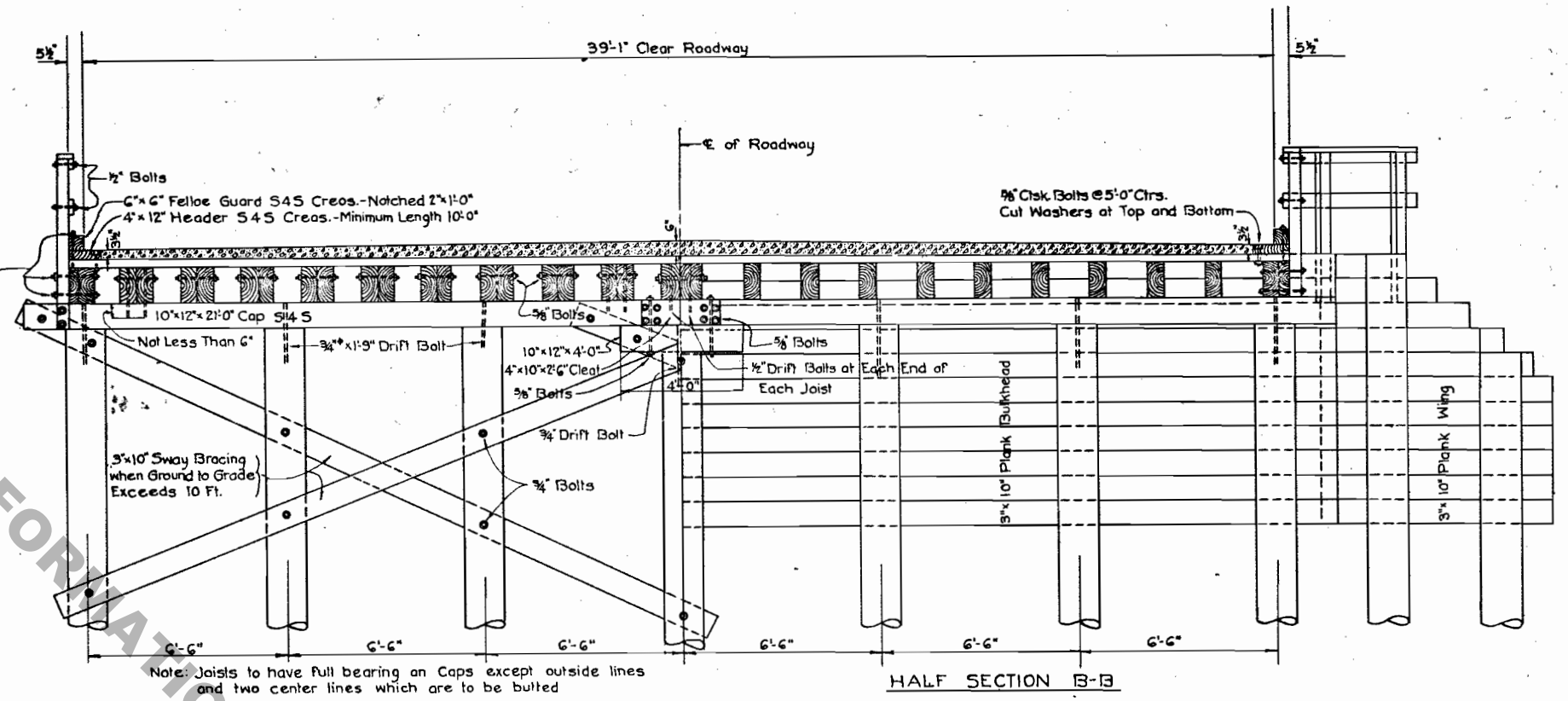
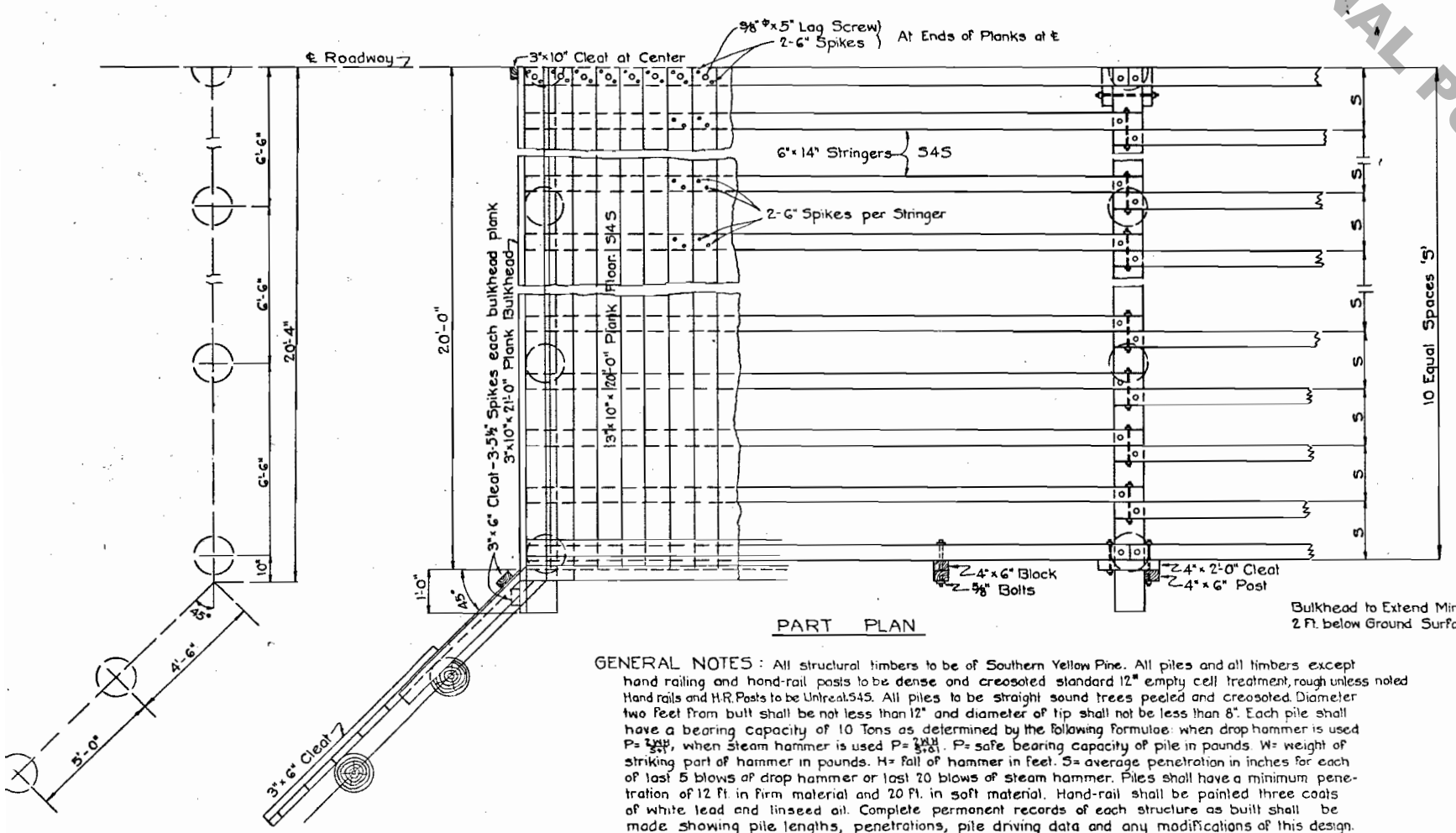


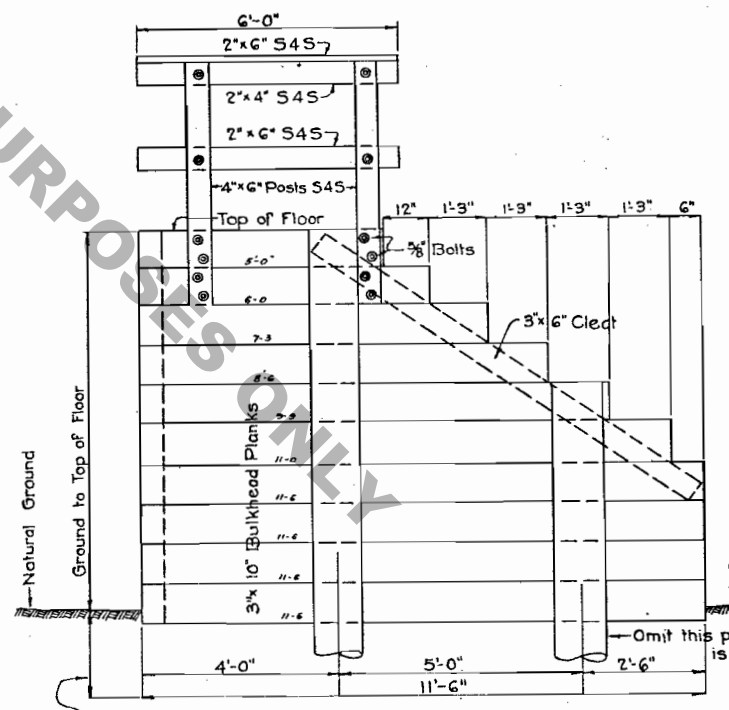


DETAIL OF SHEET METAL COVER OVER TOPS OF ALL PILES
Scale ½"=1'-0"





GENERAL NOTES: All structural timbers to be of Southern Yellow Pine. All piles and all timbers except hand railing and hand-rail posts to be dense and creosoted standard 12" empty cell treatment, rough unless noted Hand rails and H.R. Posts to be Untreat. S4S. All piles to be straight sound trees peeled and creosoted. Diameter two Feet from butt shall be not less than 12" and diameter of tip shall not be less than 8". Each pile shall have a bearing capacity of 10 Tons as determined by the following formulae: when drop hammer is used $P=\frac{2WH}{S+1}$, when steam hammer is used $P=\frac{2WH}{S+0.1}$. P= safe bearing capacity of pile in pounds. W= weight of striking part of hammer in pounds. H= fall of hammer in Feet. S= average penetration in inches for each of last 5 blows of drop hammer or last 20 blows of steam hammer. Piles shall have a minimum penetration of 12 Ft in firm material and 20 Ft. in soft material. Hand-rail shall be painted three coats of white lead and linseed oil. Complete permanent records of each structure as built shall be made showing pile lengths, penetrations, pile driving data and any modifications of this design. Washers to be ogee type cast iron for ¾" and 5/8" Bolts and cut wrought iron for ½" bolts.



DETAIL OF WING
View Normal To Face
Scale ½"=1'-0"

SWAY AND SASH BRACING

GROUND TO GRADE	SWAY BRAC		SASH BRAC.	LUMBER	HDW.
	SETS	LENGTH	LENGTH		
Feet	No.	Feet	Feet	F.B.M.	Pounds
10-11	2	24		240	115
12-15	2	26		260	115
16-24	4	24	2@20	680	240
25-26	4	26	2@20	720	240

(ONE BENT)

DIMENSIONS AND QUANTITIES FOR SUPERSTRUCTURE

PANEL LENGTH "L"	SIZE OF JOISTS	ONE PANEL COMPLETE			ADDITIONAL PANEL			HARD-WARE Complete Panel	HARD-WARE Add'l. Panel
		UNTR. LUMBER	CREOS. LUMBER	GRAVEL BALLAST	UNTR. LUMBER	CREOS. LUMBER	GRAVEL BALLAST		
Feet	Inches	F.B.M.	F.B.M.	Cu. Yds.	F.B.M.	F.B.M.	Cu. Yds.	Pounds	Pounds
19	6"x14"	189	6916	11.45	161	6223	10.61	470	380

BULKHEAD (ONE) INCLUDING WINGS

No. of Planks	GROUND TO GRADE	ONE BULKHEAD	
		LUMBER	SPIKES
	Feet	F.B.M.	Pounds
3	1	439	20
5	2	762	20
6	3	934	25
7	4	1108	30
8	5	1277	35
9	6	1447	35
10	7	1617	40
12	8	1955	45
Untreated Lbr. 72 F.B.M.			

Fasten bulkhead planks to piles with 60 d. wire nails - 2 in each plank to each pile

Void 12-21-45

STANDARD
TIMBER TRESTLE WITH GRAVELED DECK
39'-1" ROADWAY 19' SPAN

LOUISIANA HIGHWAY COMMISSION

BATON ROUGE, LA.

Scale 3/8"=1'-0" Except as Noted January 1930

FOR INFORMATIONAL PURPOSES ONLY