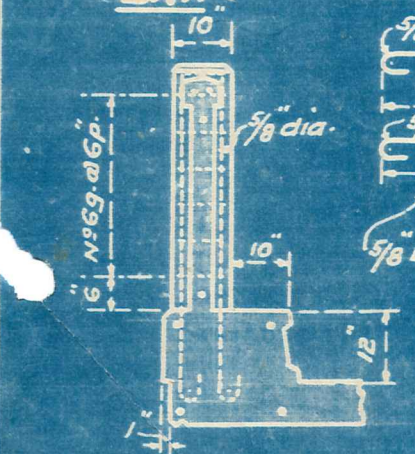


NOTE: FOUR GIRDER BRIDGES FOR 24'-0" WIDTH ARE ECONOMICAL UP TO 60' AND POSSIBLY 80 SPANS. ABOVE 60 THE ECONOMICS OF TWO GIRDER CONSTRUCTION SHOULD BE INVESTIGATED.

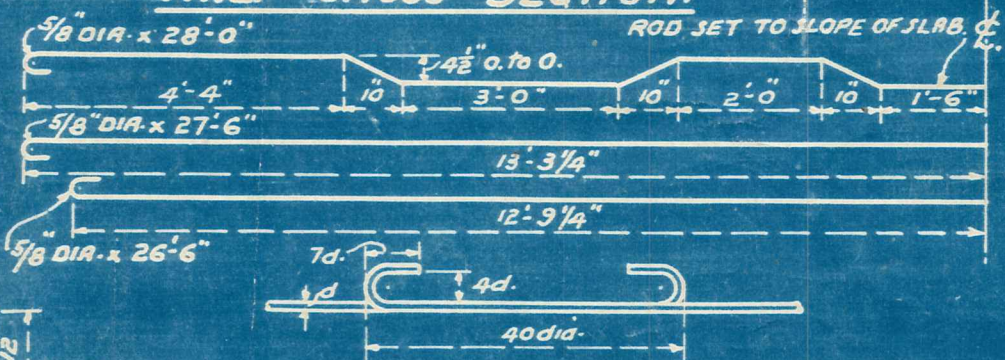
- HALF CROSS SECTION -



- DRIP -

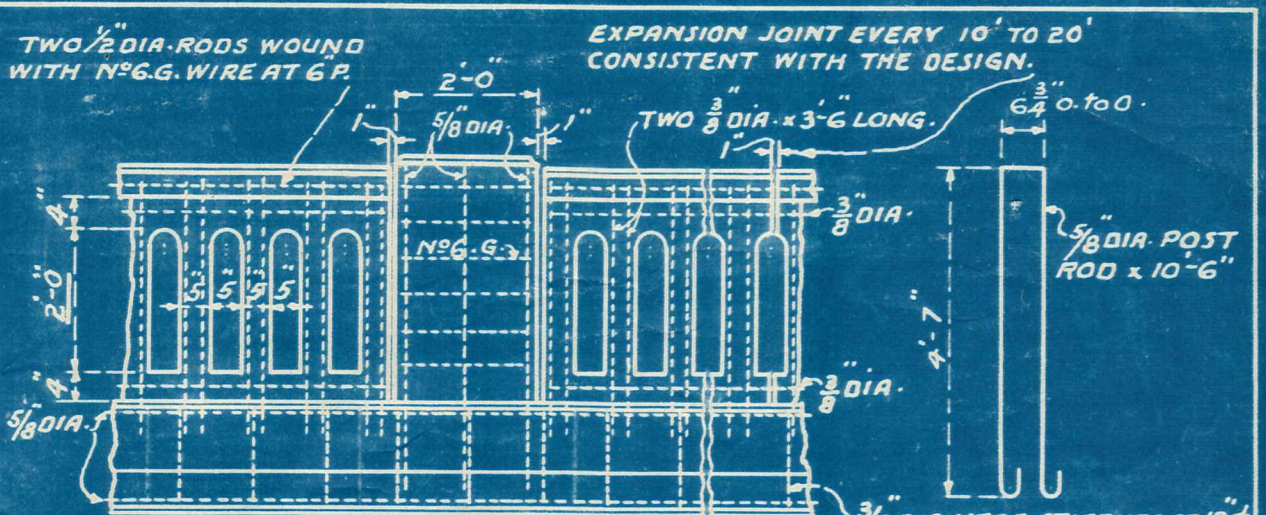


- POST REINF. -

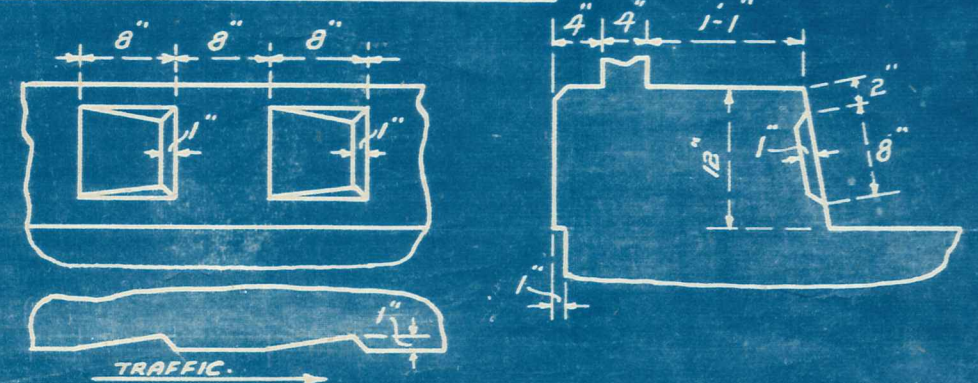


- TYPICAL HOOK & LAP JOINT -

NOTE: VARIATIONS IN HEIGHT AND WIDTH OF KERB, ALSO TYPE OF HANDRAIL, ARE PERMISSIBLE, PROVIDED THE VARIATIONS COMPLY WITH HIGHWAY BRIDGE DESIGN CODE, CLAUSES 24 AND 25. (LOADINGS ETC.)



- PART ELEV. OF HANDRAILING -

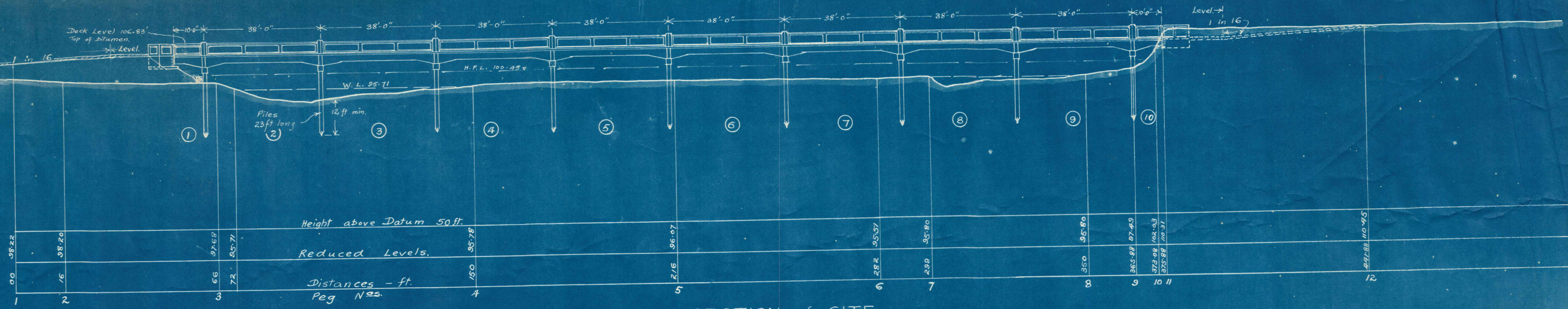


- DETAIL OF KERB REFLECTORS -
(REFLECTORS TO FACE TRAFFIC.)

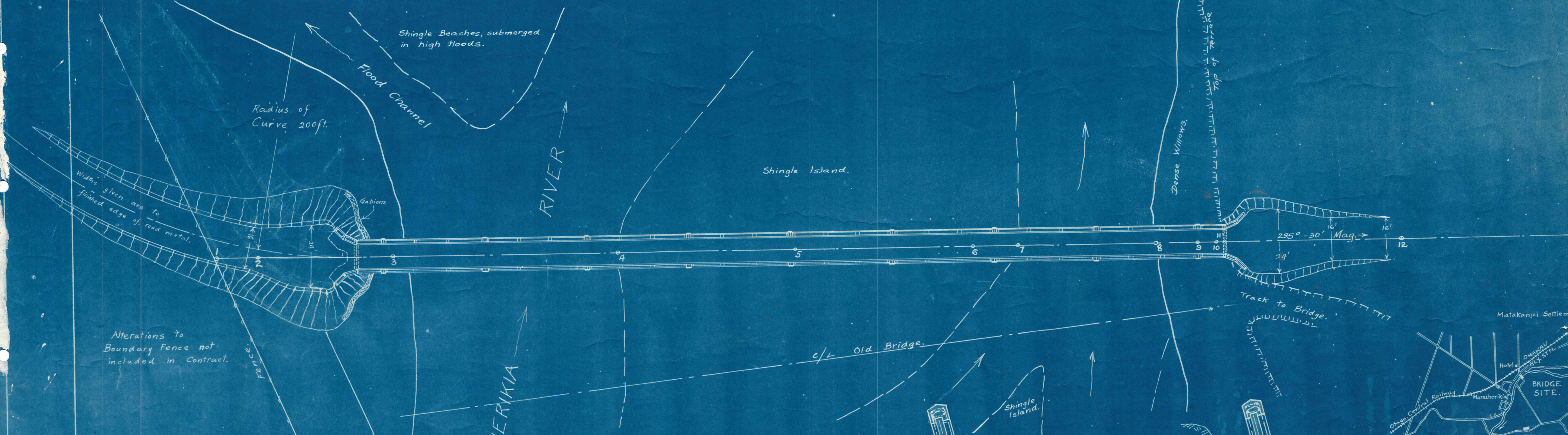
- TYPICAL REINFORCED CONCRETE -
- DECK SLAB, KERB & HANDRAILING -

(FOR MONOLITHIC CONCRETE GIRDER SPANS.)
(DESIGN LOADING H.20. S16.) P.W.D. 117740.

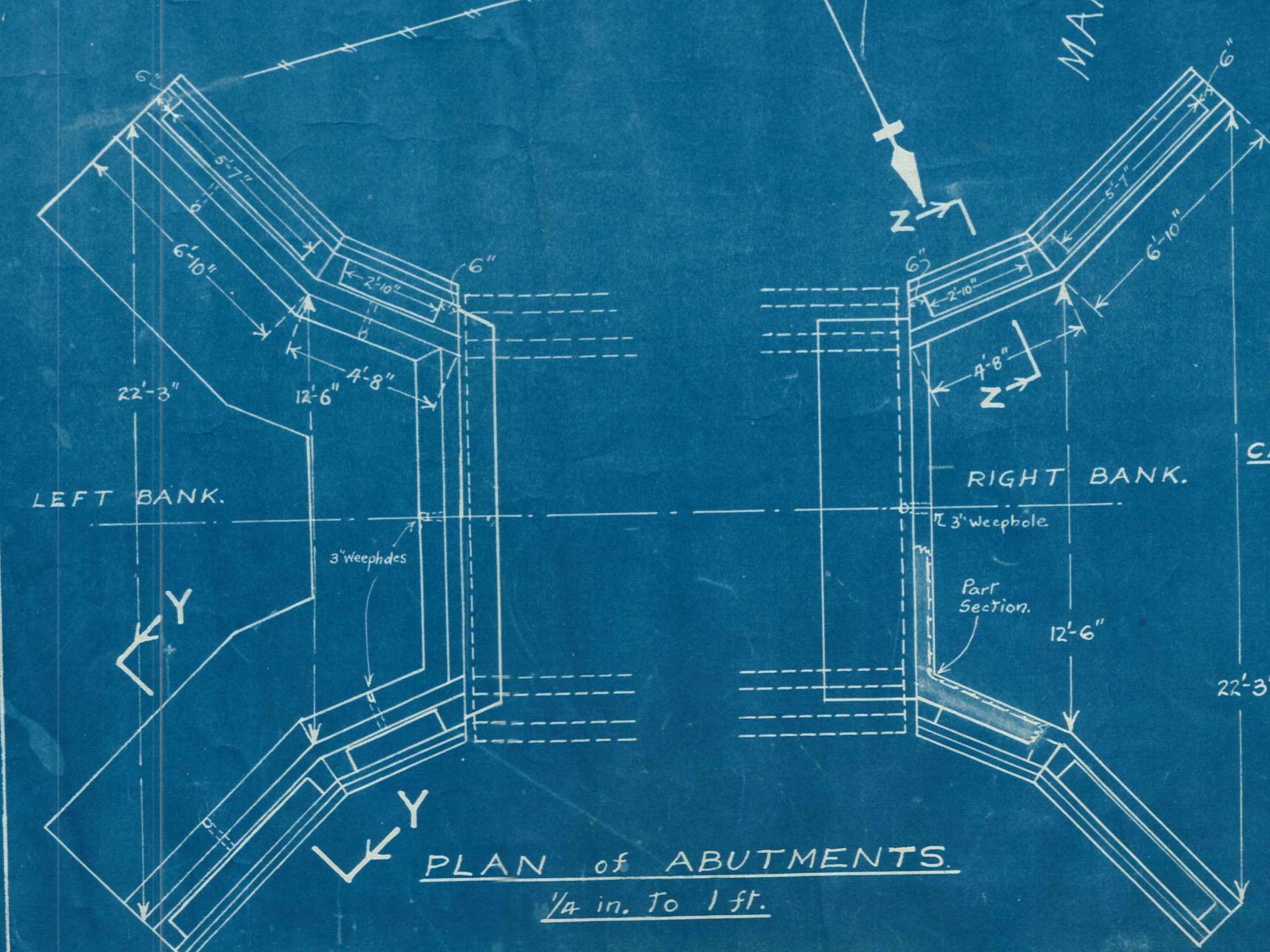
Resistance 24/1/42



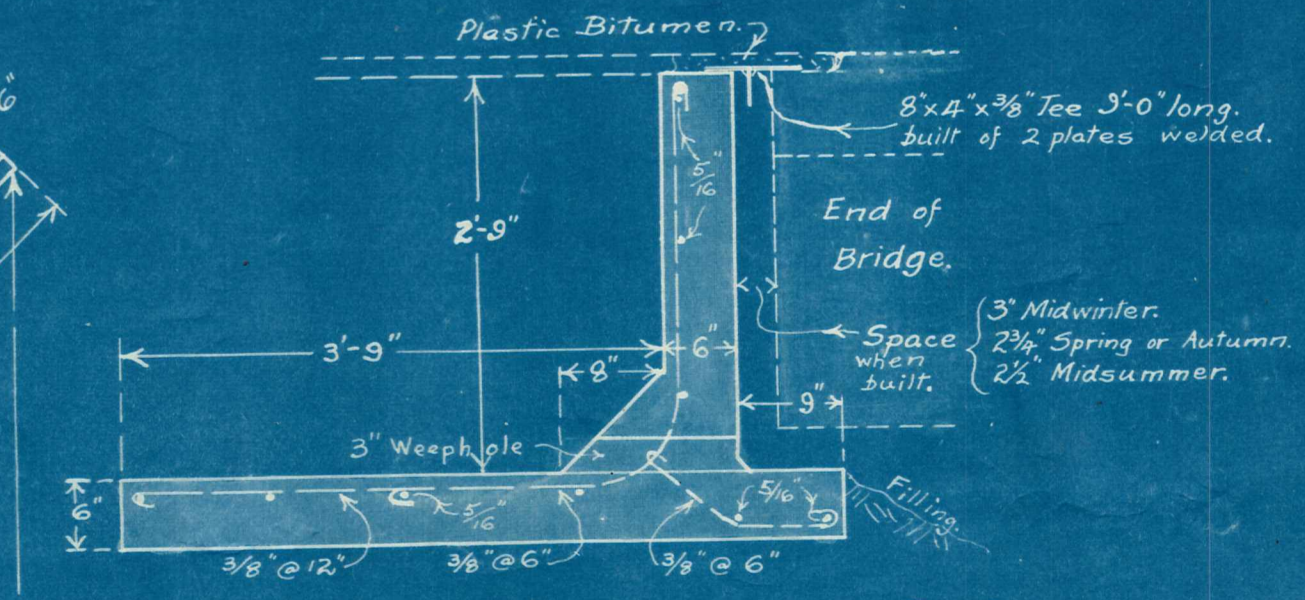
GENERAL ELEVATION of BRIDGE & SECTION of SITE.
20 ft to 1 inch.



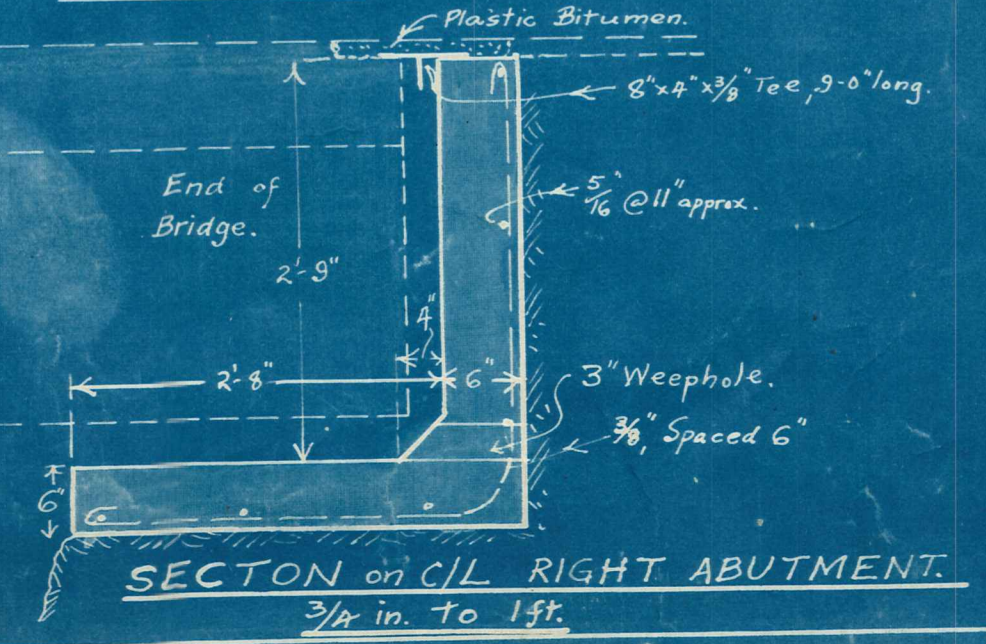
PLAN. 20 ft to 1 inch.



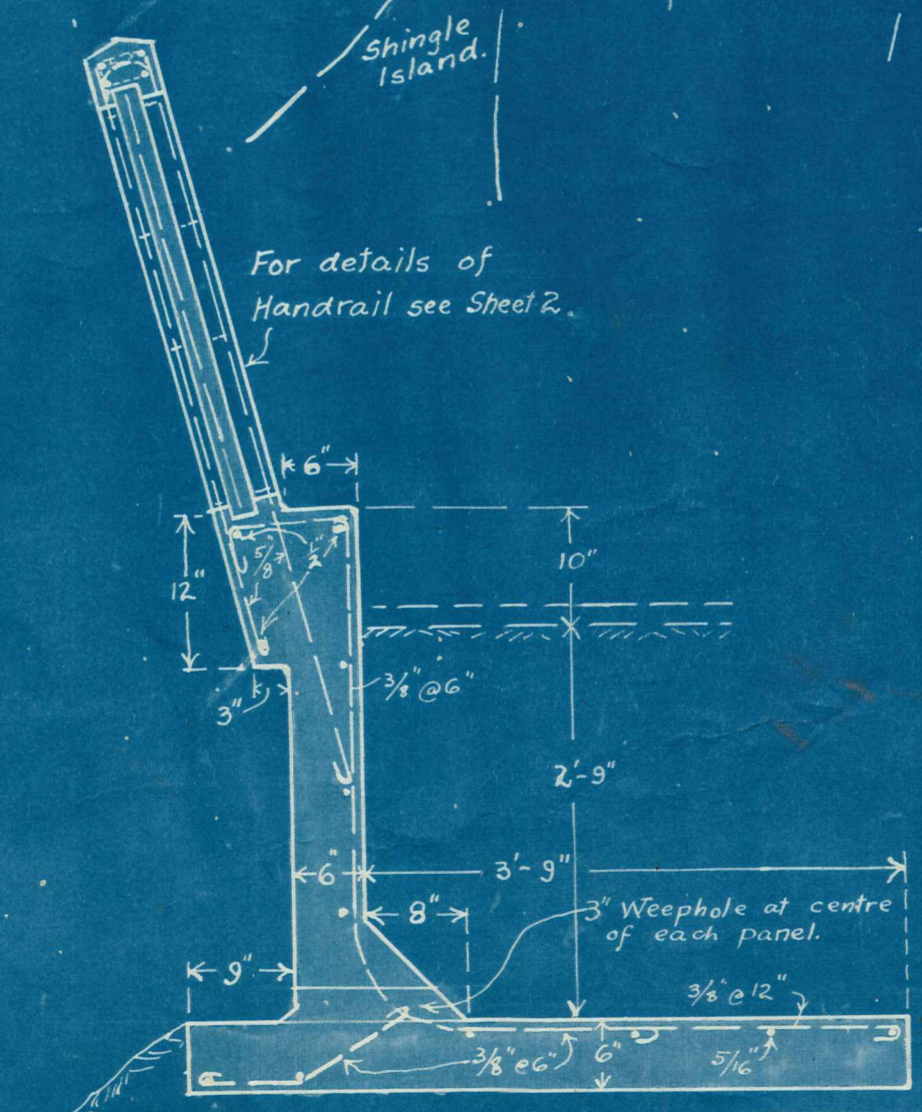
PLAN of ABUTMENTS.
1/4 in. To 1 ft.



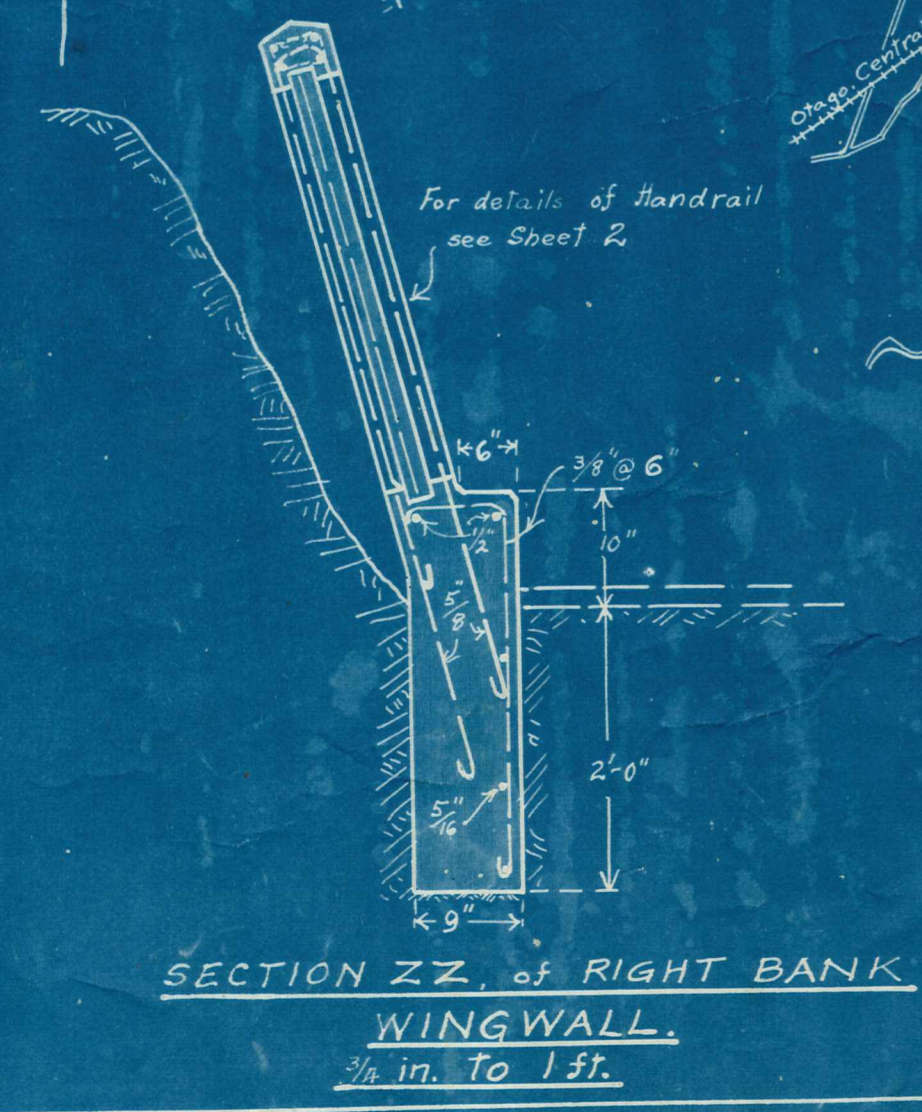
CROSS SECTION on C/L LEFT ABUTMENT.
3/4 in. To 1 ft.



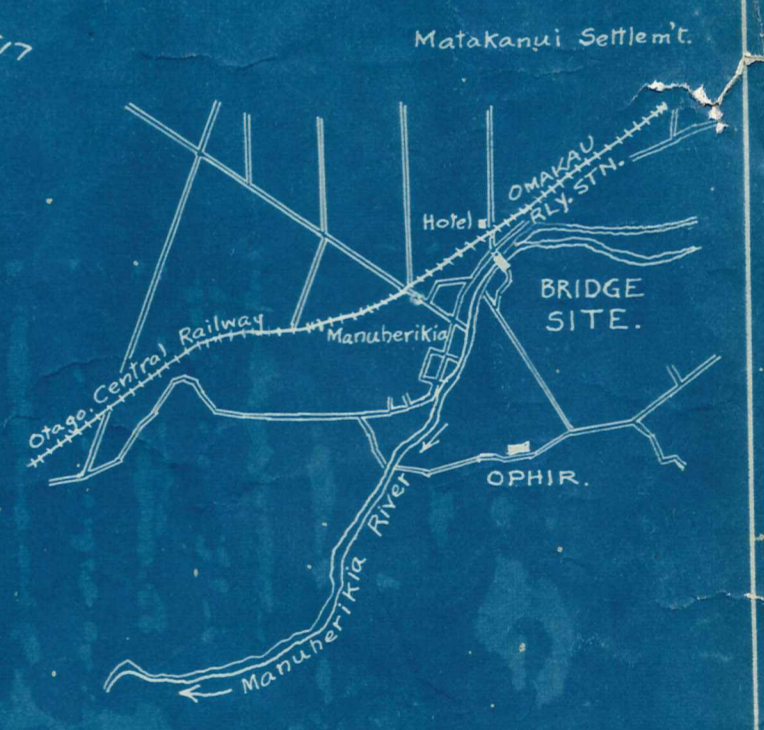
SECTION on C/L RIGHT ABUTMENT.
3/4 in. To 1 ft.



SECTION YY of LEFT BANK ABUTMENT.
3/4 in. To 1 ft.



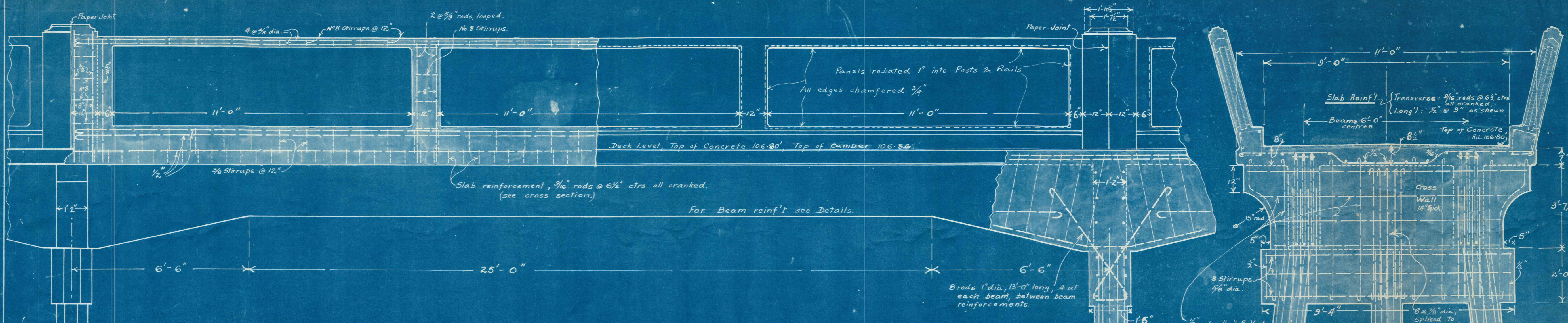
SECTION ZZ of RIGHT BANK WING WALL.
3/4 in. To 1 ft.



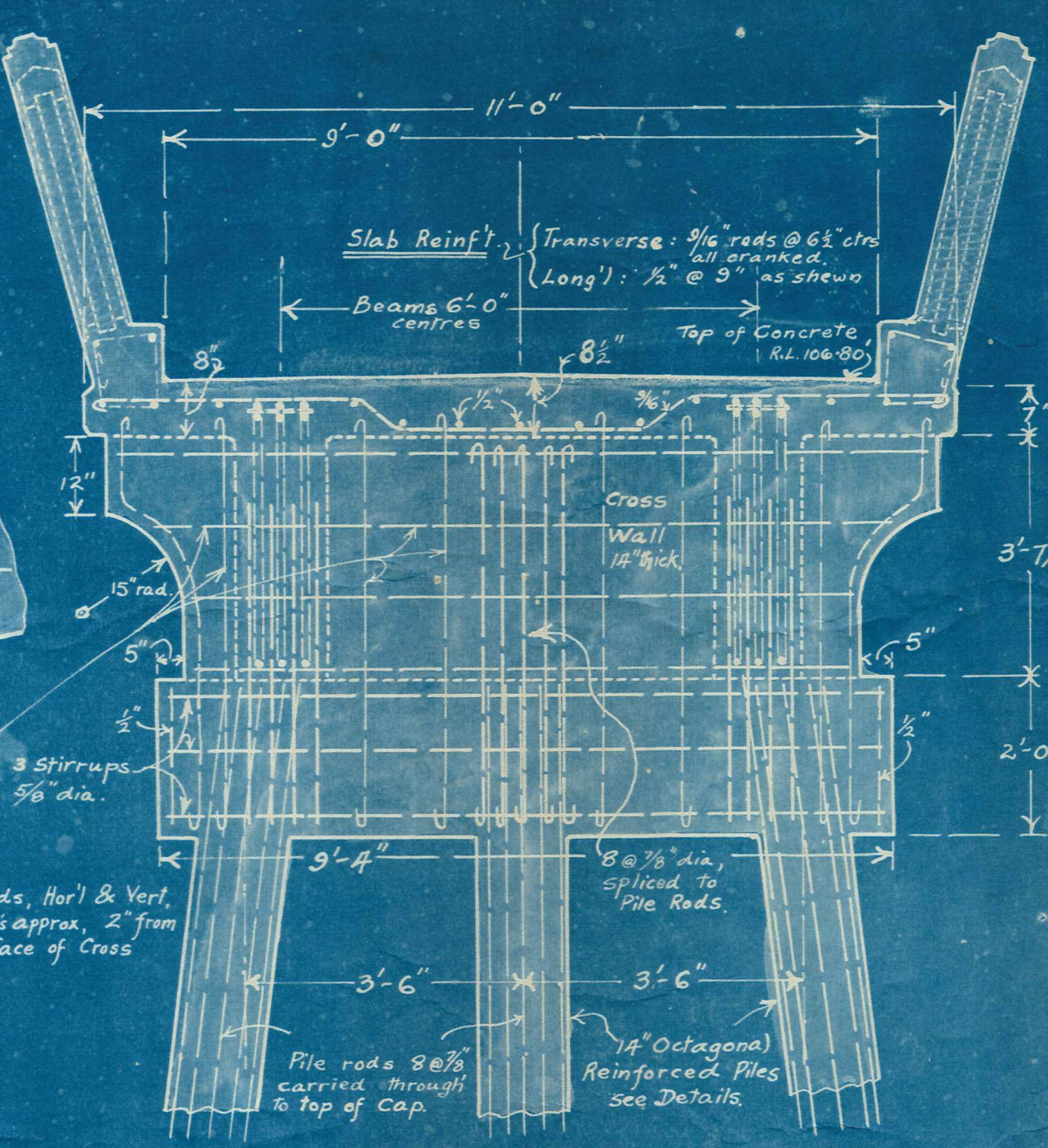
LOCALITY PLAN.
1 mile to 1 inch.

MANUHERIKIA RIVER BRIDGE
AT OMAKAU.
Scales as shewn.

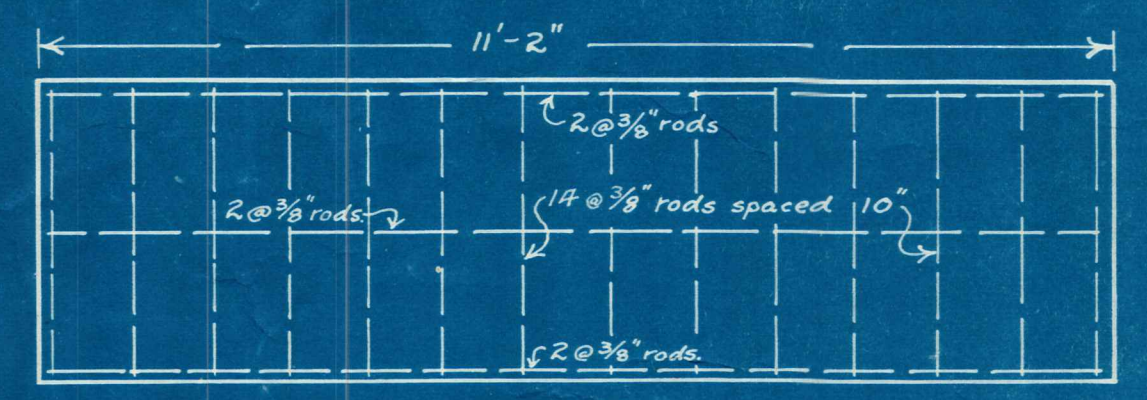
Designed	W. Bennett	Sept. 1935
Drawn		
Amendments		Mar. 1936
Reference	Drawing No.	
Aug 689	972.	
	Sheet 1.	



ELEVATION of SPAN, part Sectional.
1/2 in. to 1 ft.

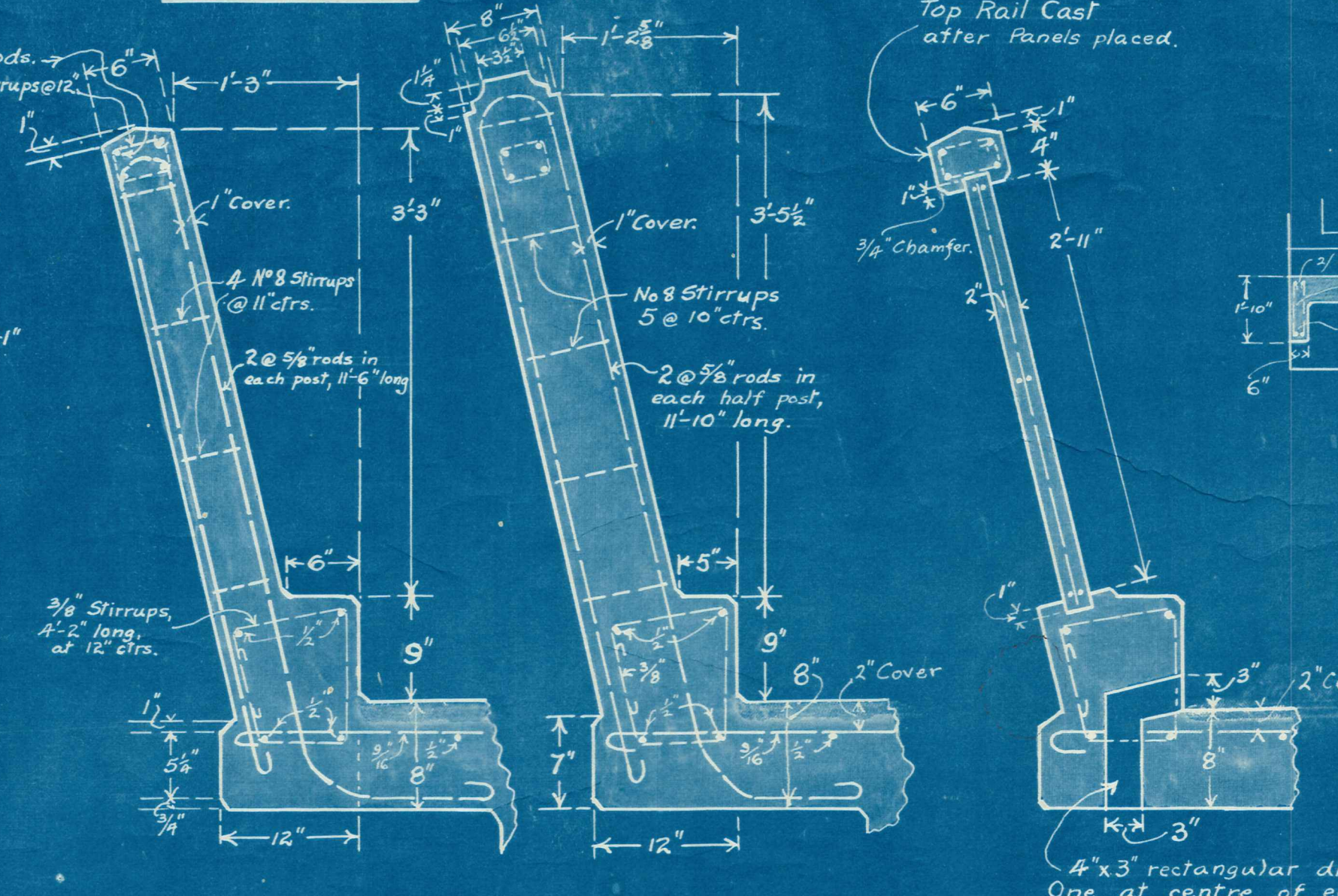


SECTION of PIER.
1/2 in. to 1 ft.



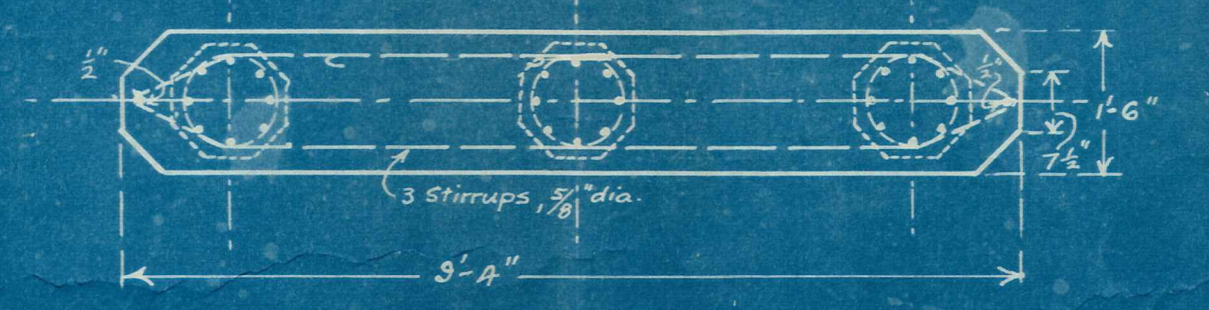
PRECAST HANDRAIL PANEL.
1/2 in. to 1 ft.

To be rebated 1" into Handrails all round, & Grouted in. Concrete 1:1 1/2:3 mix.
 48 required thus:
 4 required 8'-8" long. (At ends of Bridge).
 4 required 5'-9" long. (In Wingwalls).
 4 required 3'-0" long. (In Wingwalls).

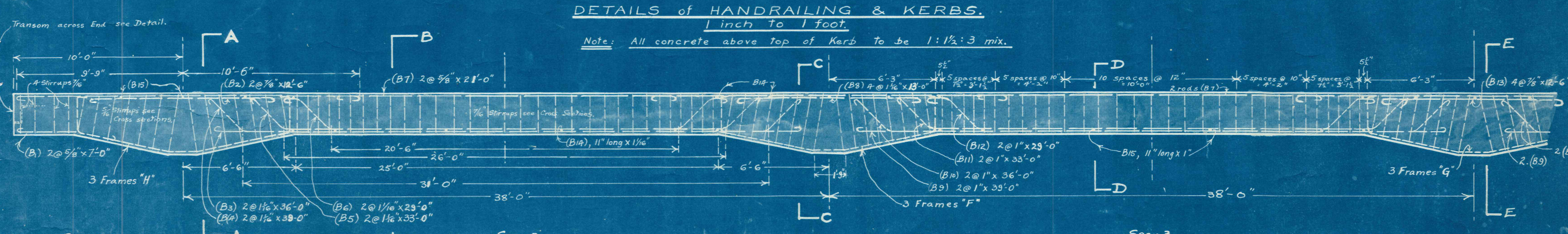


INTERMEDIATE POST, END POST, CENTRE of PANEL.
1/2 in. to 1 ft.

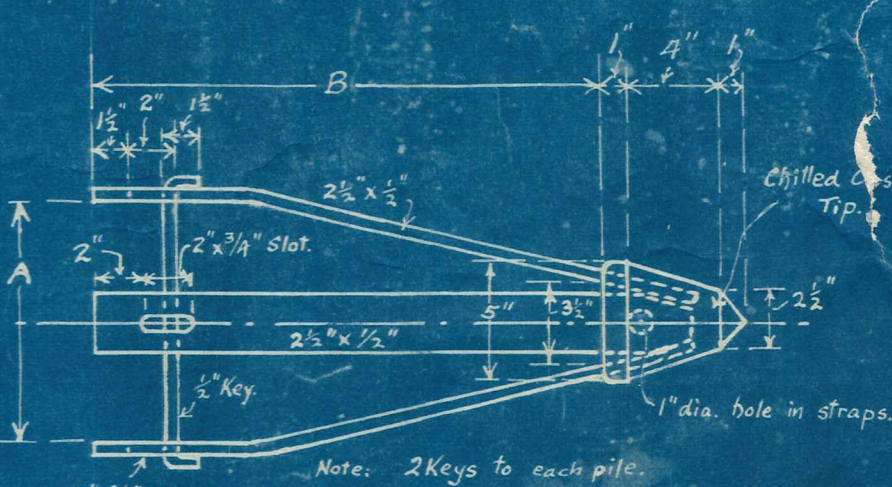
DETAILS of TRANSOMS at ENDS of BRIDGE.
1/4 in. to 1 ft.



PLAN of PIER CAP.
1/2 in. to 1 ft.

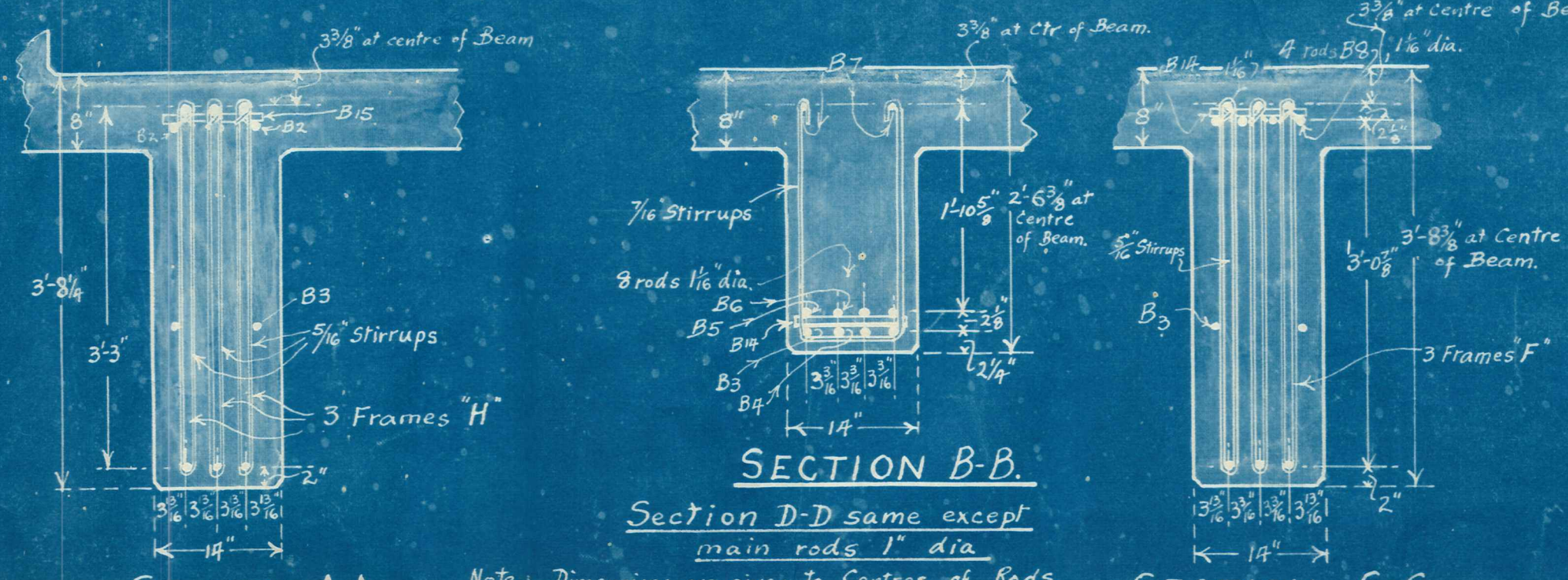


LONGITUDINAL SECTION of MAIN BEAMS.
1/2 in. to 1 ft.



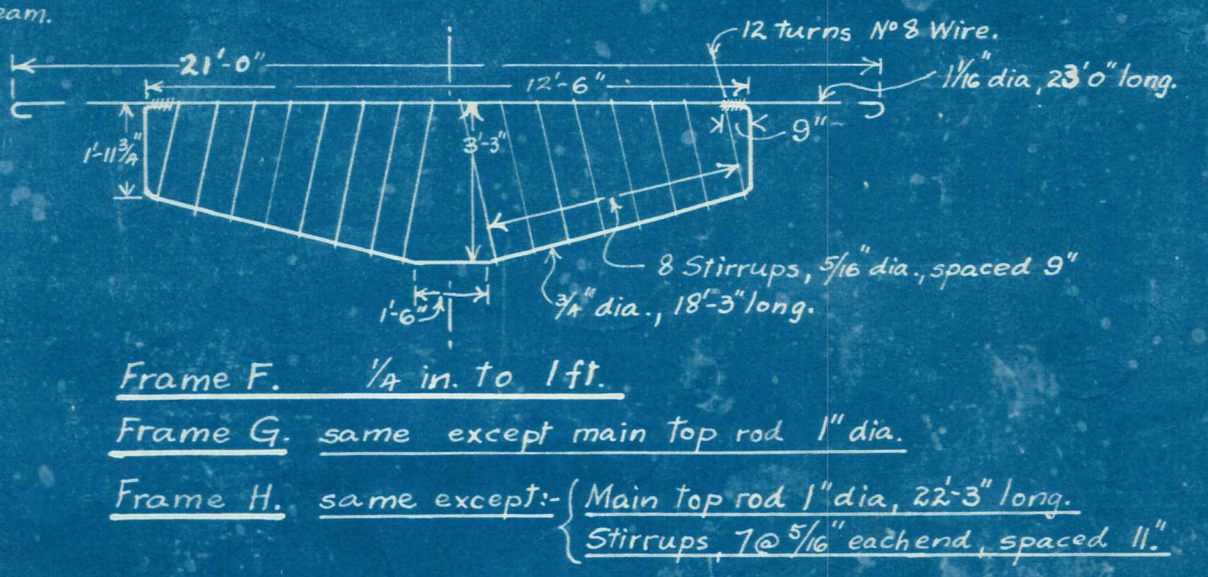
	12" Pile	16" Pile	18" Pile
Dimension A	11"	13"	15"
Dimension B	1'-9"	2'-0"	2'-3 1/2"
Stirrups	34.84 lbs	39.03 lbs	49.94 lbs
Keys	17.87 "	11.89 "	21.12 "
Reinf.	17.51 "	17.51 "	17.51 "
TOTAL	57.02 "	58.43 "	69.57 "

DETAILS of PILE SHOES.

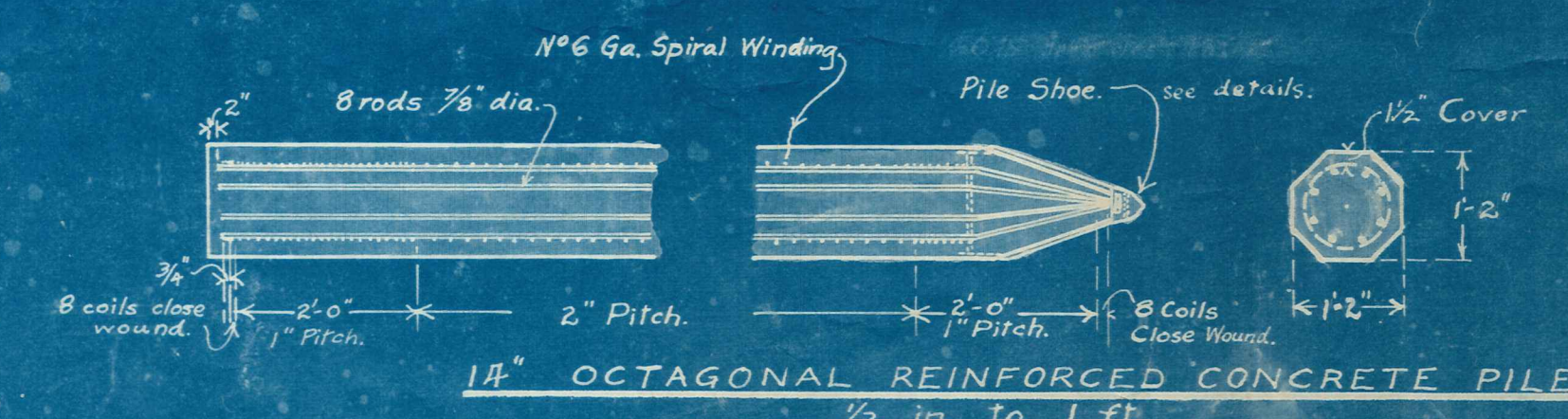


SECTION A-A.
BEAM SECTIONS 3/4 in. to 1 ft.

SECTION C-C.
Section E-E same except main rods 1" & 3/4" dia.



Frame F. 1/2 in. to 1 ft.
Frame G. same except main top rod 1" dia.
Frame H. same except: Main top rod 1" dia, 22'-3" long. Stirrups 7 @ 5/8" each end, spaced 11".



14" OCTAGONAL REINFORCED CONCRETE PILE.
1/2 in. to 1 ft.

MANUHERIKIA RIVER BRIDGE
AT OMAKAU.
 Scales as shewn.

Designed Drawn	Approved	Sept 1935.
		Mar 1936.
Reference Dwg 689. " F499.	Drawing No	
		972.
		Sheet 2.

