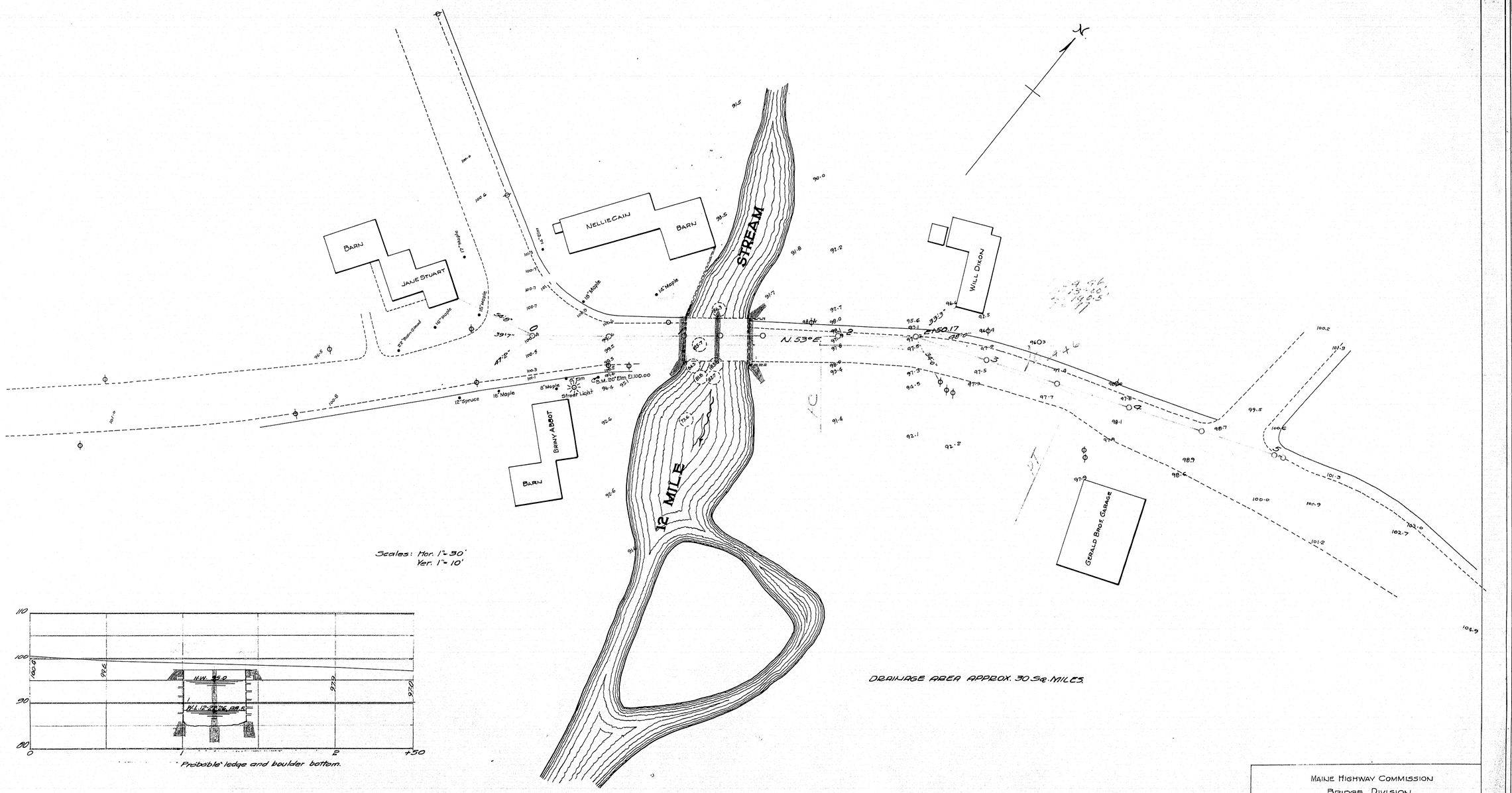


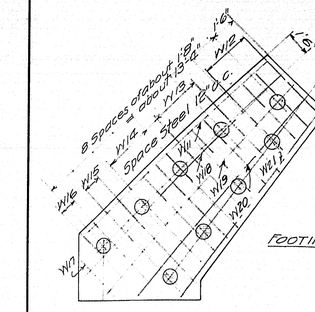
MAINE HIGHWAY COMMISSION
BRIDGE DIVISION

CAIN BRIDGE
OVER
12 MILE STREAM
IN THE TOWN OF
CLINTON, KENNEBEC, CO., ME

SHEET No. 1 OF 3 SURVEY JAN. 1ST 1927

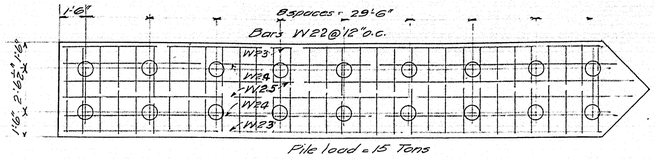
2-183

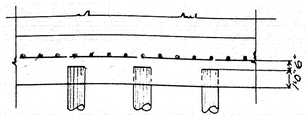
0 1 2 3 4 5 INCHES

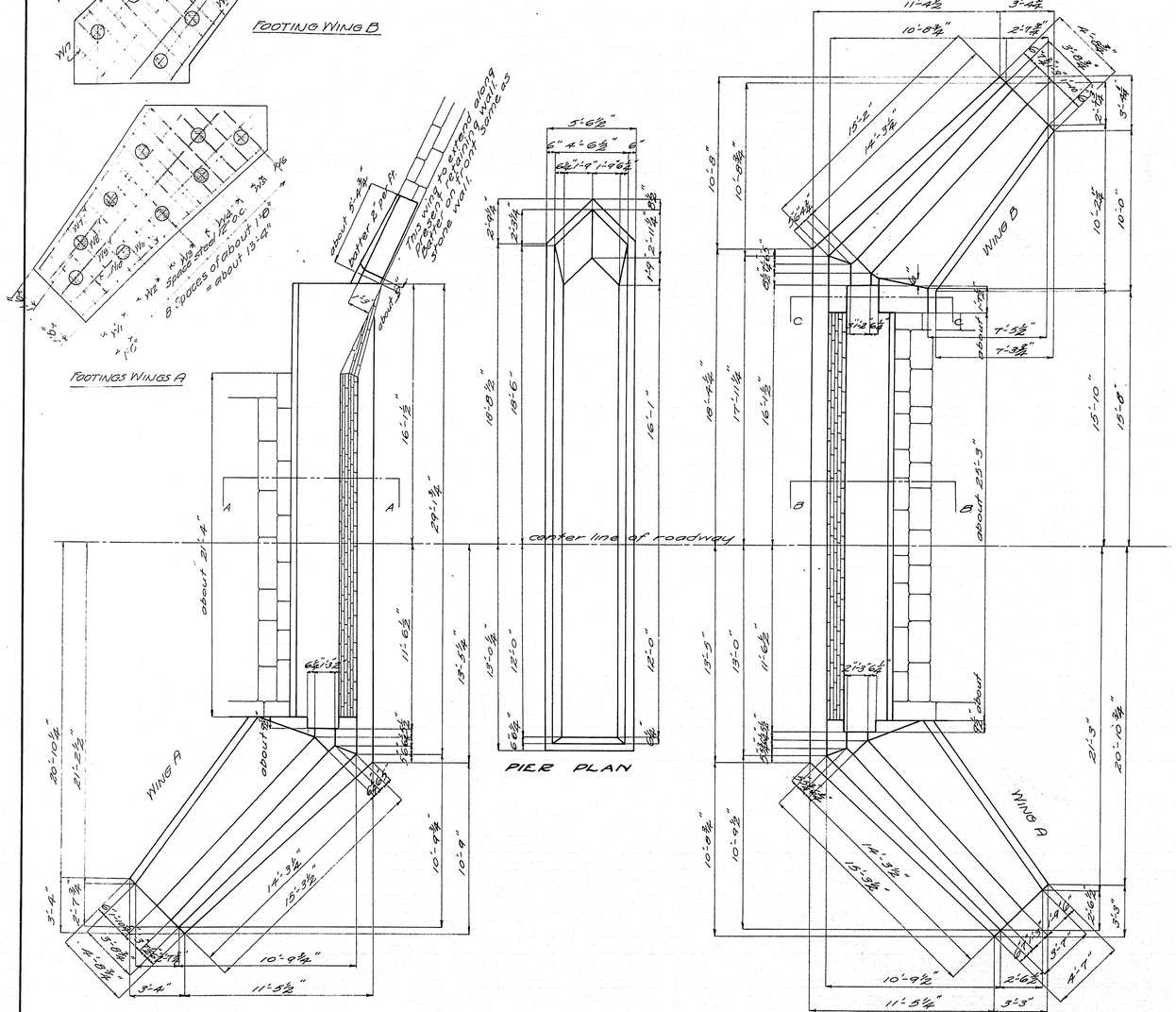


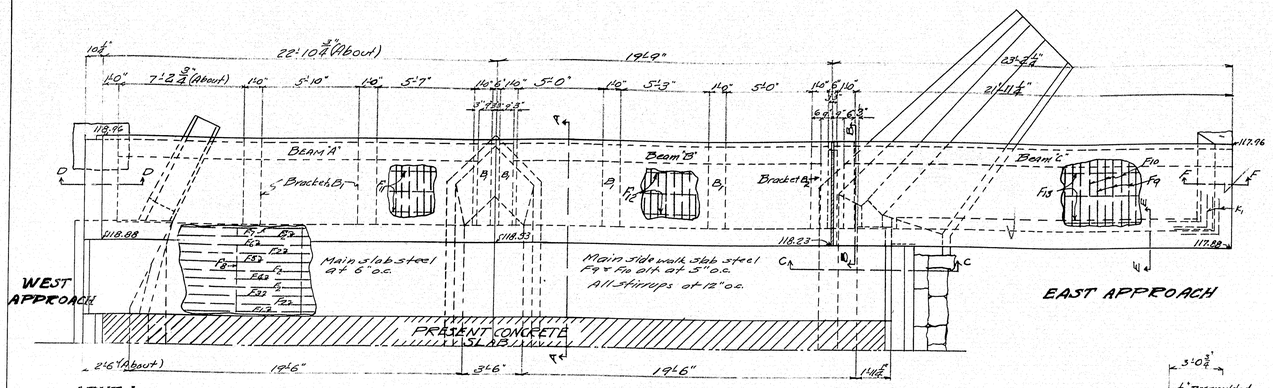
FOOTING WING B

FOOTINGS WINGS A

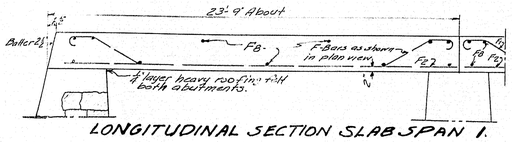




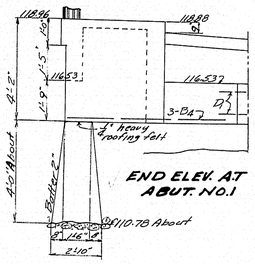




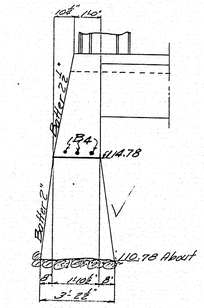
PLAN



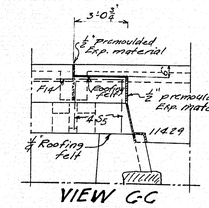
LONGITUDINAL SECTION SLAB SPAN 1.



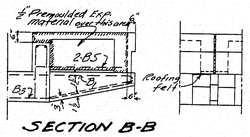
END ELEV. AT ABUT. NO. 1



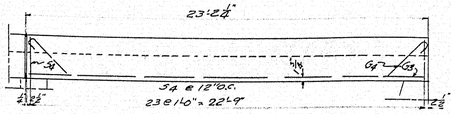
SECTION D-D



VIEW C-C



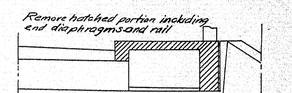
SECTION B-B



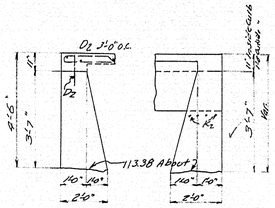
LONG. SECTION BEAM 'C'

SECT. BEAM 'C'

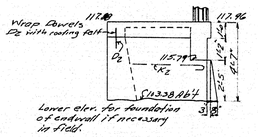
SECT. BEAMS A+B



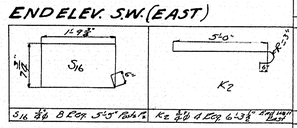
PART TRANSVERSE SECTION PRESENT STRUCTURE



SECTION E-E SECTION F-F

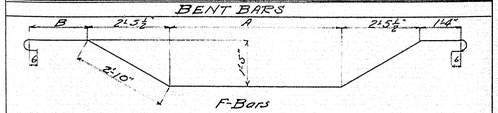


END ELEV. S.W. (EAST)

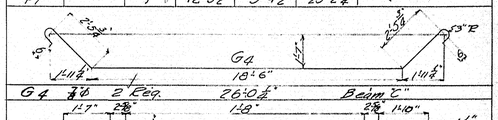


STEEL SCHEDULE

BENT BARS

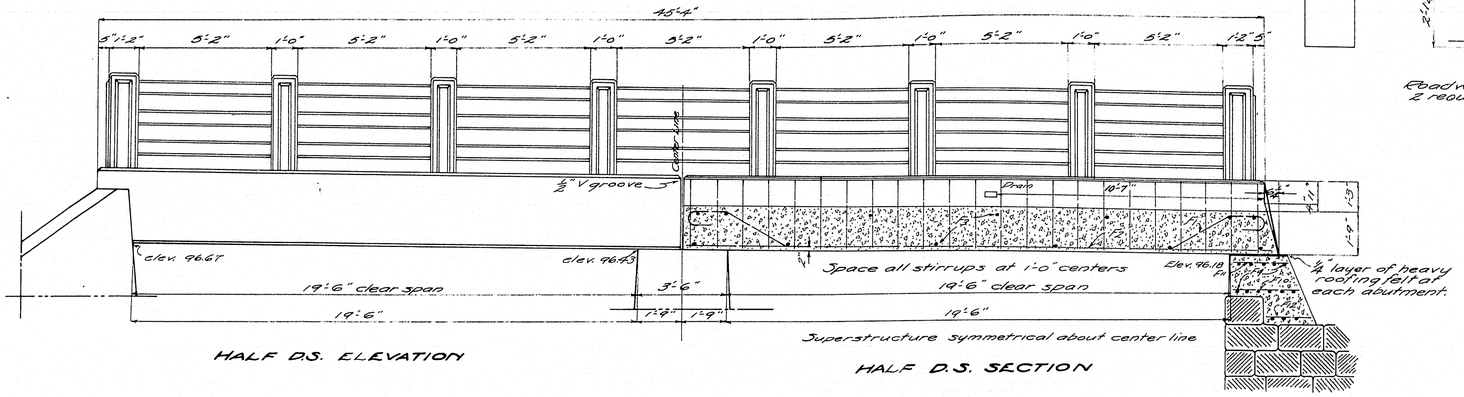


Mark	Size	No.	Length A	Length B	Tot. Len	Location
F1	1"□	7	14'-7	1'-1"	25'-2¾"	Slab Spans 1+2
F3	"	1	14'-1½	1'-6½	25'-2¾"	" Span 1
F4	"	1	13'-8"	2'-0	25'-2¾"	" "
F5	"	1	13'-2½	2'-5½	25'-2¾"	" "
F6	"	1	12'-9"	2'-11"	25'-2¾"	" "
F7	"	1	12'-3½	3'-4½	25'-2¾"	" "



Mark	Size	No.	Length	Location
G4	⅞"□	2 Reg.	26'-0½"	Beam 'C'
F9	¾"□	80 Reg.	7'-4⅝"	S.W. Slab

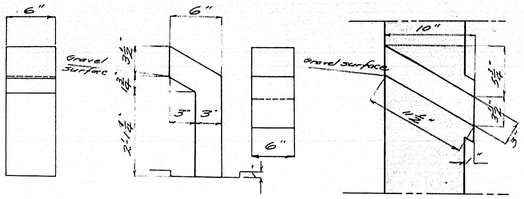
| | | |



HALF D.S. ELEVATION

Superstructure symmetrical about center line

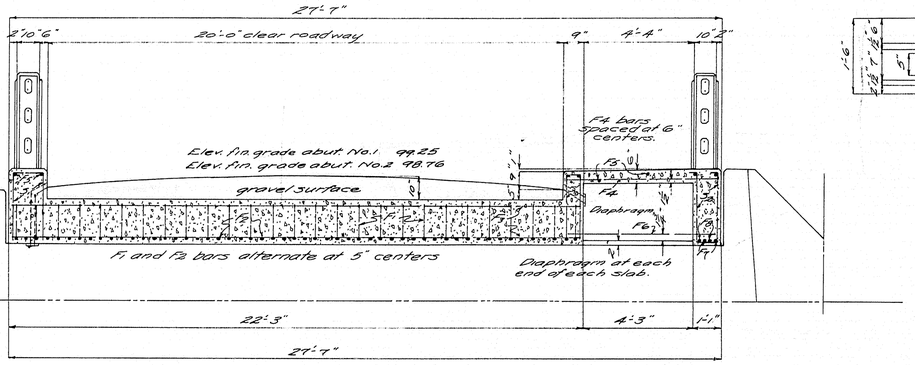
HALF D.S. SECTION



Roadway side 2 required.

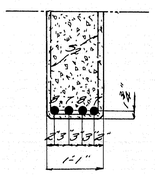
Side walk side 2 required.

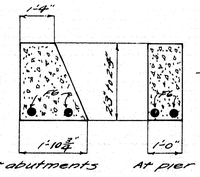
DRAIN DETAILS



TRANSVERSE SECTION

-Note-
The 1/2" vertical slot on each side between the superstructure and wings and also the 2" gaps between the diaphragm and bridge seat are to be covered on the backside with two layers of heavy roofing felt. Coat face of concrete and back of each layer as applied with hot tar or asphalt.

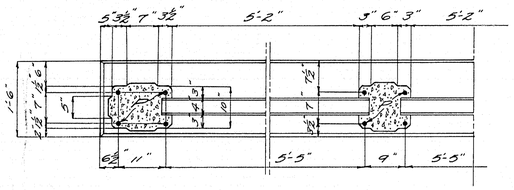


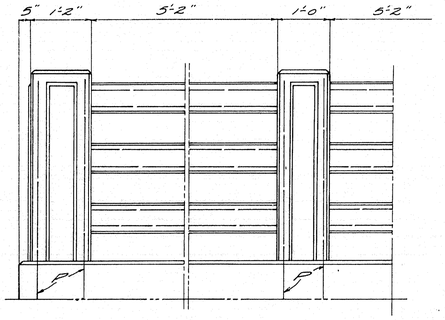


At abutments At pier

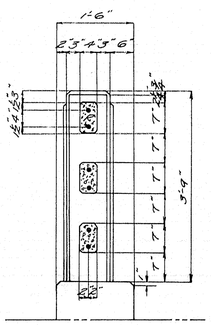
SECTION S.W. GIRDER DIAPHRAGM SECTIONS

-Note-
Roofing felt is to be 10" wide. The area to be covered by the felt is to be recessed 1/4" by nailing thin strips to the form before concrete is placed.



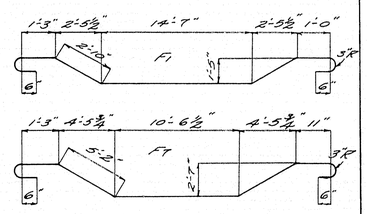


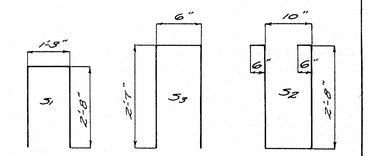
RAIL DETAILS



-Note-
Curb to be cast with slab. Steel for posts to be set in curb. Precast rail bars in lengths of 5'-7". Place rail bars in position with ends projecting into post forms 2 1/2". Wrap the end 6" of each rail with 2 thicknesses of heavy roofing felt. Fold in ends and cast posts. When post forms are removed cut away all felt leaving exposed. Panels on posts are raised 1/8". Chamfer all exposed edges of concrete 1/2" unless otherwise indicated

STEEL SCHEDULE





MARK	SIZE	No. PIECES	LENGTH	LOCATION
S1	1/2" ϕ	46	6'-7"	Curb
S2	1/2" ϕ	46	7'-2"	S.W. girder
S3	1/2" ϕ	46	5'-8"	Curb
F1	1" ϕ	54	25'-0 3/4"	Slab
F2	1" ϕ	52	22'-10 3/4"	Slab
F3	1/2" ϕ	26	22'-0"	Slab
F4	1/2" ϕ	90	5'-10"	S.W. Slab
F5	1/2" ϕ	18	22'-5"	" " "
F6	1/8" ϕ	8	5'-10"	Diaphragm
F7	1/8" ϕ	4	25'-7 1/4"	S.W. girder
F8	3/8" ϕ	4	22'-10 3/4"	" " "
F9	3/4" ϕ	28	29'-0"	Caps
F10	1/2" ϕ	12	2'-6"	"
F11	1/2" ϕ	12	2'-0"	"
F12	1/2" ϕ	12	1'-3"	"
P	3/4" ϕ	64	4'-6"	Posts
R	1/2" ϕ	84	5'-6"	Rails

Drawn by KBE
Checked by TH

MAINE HIGHWAY COMMISSION
BRIDGE DIVISION

CAIN BRIDGE
OVER
12 MILE STREAM
IN the town of
CLINTON, KENNEBEC
— COUNTY —

SUPERSTRUCTURE DETAILS

Sheet 3 of 3 June 1, 1927

2-181

0 1 2 3 4 5 INCHES