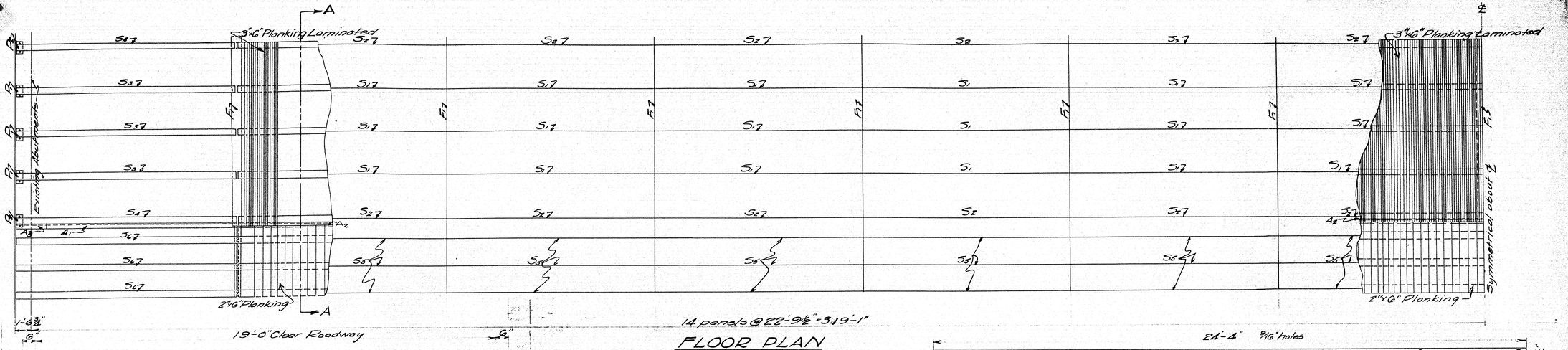
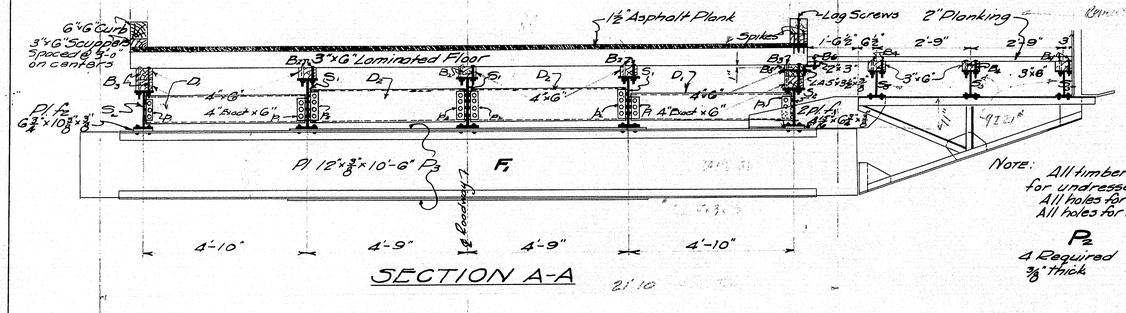
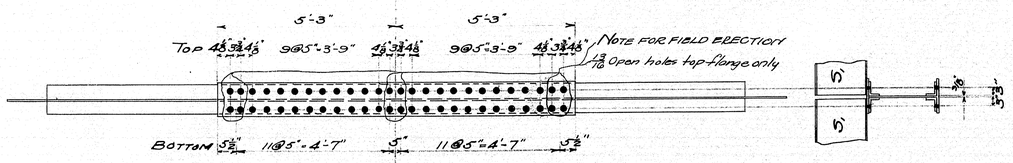


FLOOR PLAN

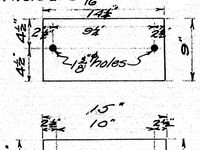


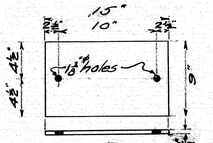
SECTION A-A



FLOOR BEAM REINFORCING PLATE DETAILS (P3)

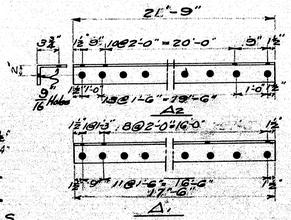
Note: All timber dimensions shown are for "undressed timber".
All holes for bolts are ⅞".
All holes for rivets are 13/16".



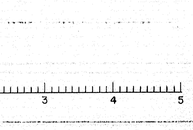


P2 PLATE DETAILS

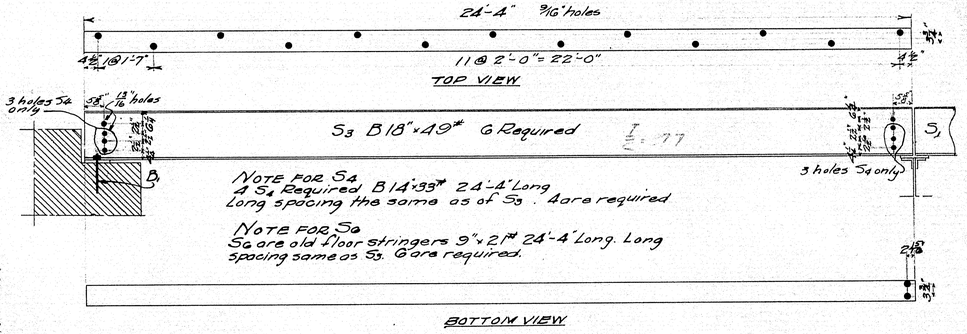
6 Required



ANGLE DETAILS



A3 2 Required



MATERIAL REQUIRED

HARD PINE

Nailing Strips:
2 @ 2"x3" 14'-6" Dress to 1½"x2¾"
10 @ 4"x6" x 24'-4" Dress. 6 sides
60 @ 4"x6" x 22'-9" " 6 "
4 @ 6"x6" x 22'-4" " 4" exact x 6"
24 @ 6"x6" x 22'-9" " 4" exact x 6"
6 @ 3"x6" x 24'-4" " 6 "
36 @ 3"x6" x 22'-9" " 6 "
12 @ 2"x3" x 21'-8" " to 1¾"x 2¾"
2 @ 2"x3" x 17'-6" " to 1½"x 2¾"
Floor Planking:
144 pieces 3"x6"x 20'-0" Lengths: Dressed 4 sides
Sidewalk Planking:
688 pieces 2"x6"x 7'-10" Lengths Dressed 4 sides
Curb:
644'-5" Linear Ft. 6"x6" Dressed 4 sides
Scuppers:
218 3"x6"x 1'-0" Dressed 4 sides

STRUCTURAL STEEL

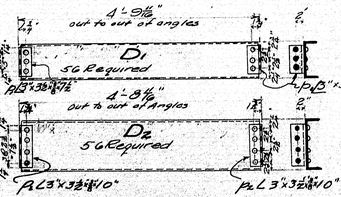
Girders:
36 S1 B 18"x 49# 22'-9" Long
24 S2 B 14"x 33# 22'-9" Long
6 S3 B 18"x 49# 24'-4" Long
4 S4 B 14"x 33# 24'-4" Long
Angles:
2 A1 5"x 5"x ⅞" 17'-6" Long
12 A2 5"x 3½"x ⅞" 21'-9" Long
Plates:
6 P1 9"x 1'-3" x ⅞" ⅞" holes
42 P2 9"x 2'-2" x ⅞" ⅞" holes
26 P3 12"x 10'-6" x ⅞" ⅞" holes
26 P4 12"x 10'-6" x ⅞" 13/16" holes
13 P5 6"x 10"x ⅞" ⅞" holes
28 A3 5"x 3½"x ⅞" 4'-6" Long

BOLTS

20 Anchor bolts B, 1" ø 12" Long with nut threaded 2", one end
510 " B2 ½"-5" " " "
340 " B3 ½"-9" " " "
510 " B4 ½"-4" " " "
226 " B5 ½"-7" " " "
182 " B6 ½"-3" " " "

Rivets: All rivets ⅞" ø
3284 @ 2" S5 to Sidewalk Brace S2 to P1
1208 @ 2½" Cover Plate to F1 P2 to S1
104 @ 2½" S3 x S4 to F1
156 @ 2½" S1 x S3 to F1
280 @ 2½" P2 x P4 to S1
Lag Screws:
L1 218 ½"-12" Long with cast washers

STRUCTURAL STEEL



DIAPHRAM:
D1 10" C 15.3# 4'-9" long } 56 Required
P 2 6 3"x 3½"x 7/16"
D2 12" C 20.7# 4'-8" long } 56 Required
P6 2 6 3"x 3½"x 7/16"

NOTE: Sidewalk planking not to be treated.
All other timbers to be pressure treated.

MAINE HIGHWAY COMMISSION
BRIDGE DIVISION
ANDROSCOGGIN RIVER BRIDGE
OVER THE
ANDROSCOGGIN RIVER
IN THE TOWN OF
LIVERMORE FALLS
ANDROSCOGGIN COUNTY
BRIDGE DETAILS
SHEET 10 OF 1 AUGUSTA, ME. OCT. 21, 1930.

11-143

C-52

0 1 2 3 4 5 INCHES