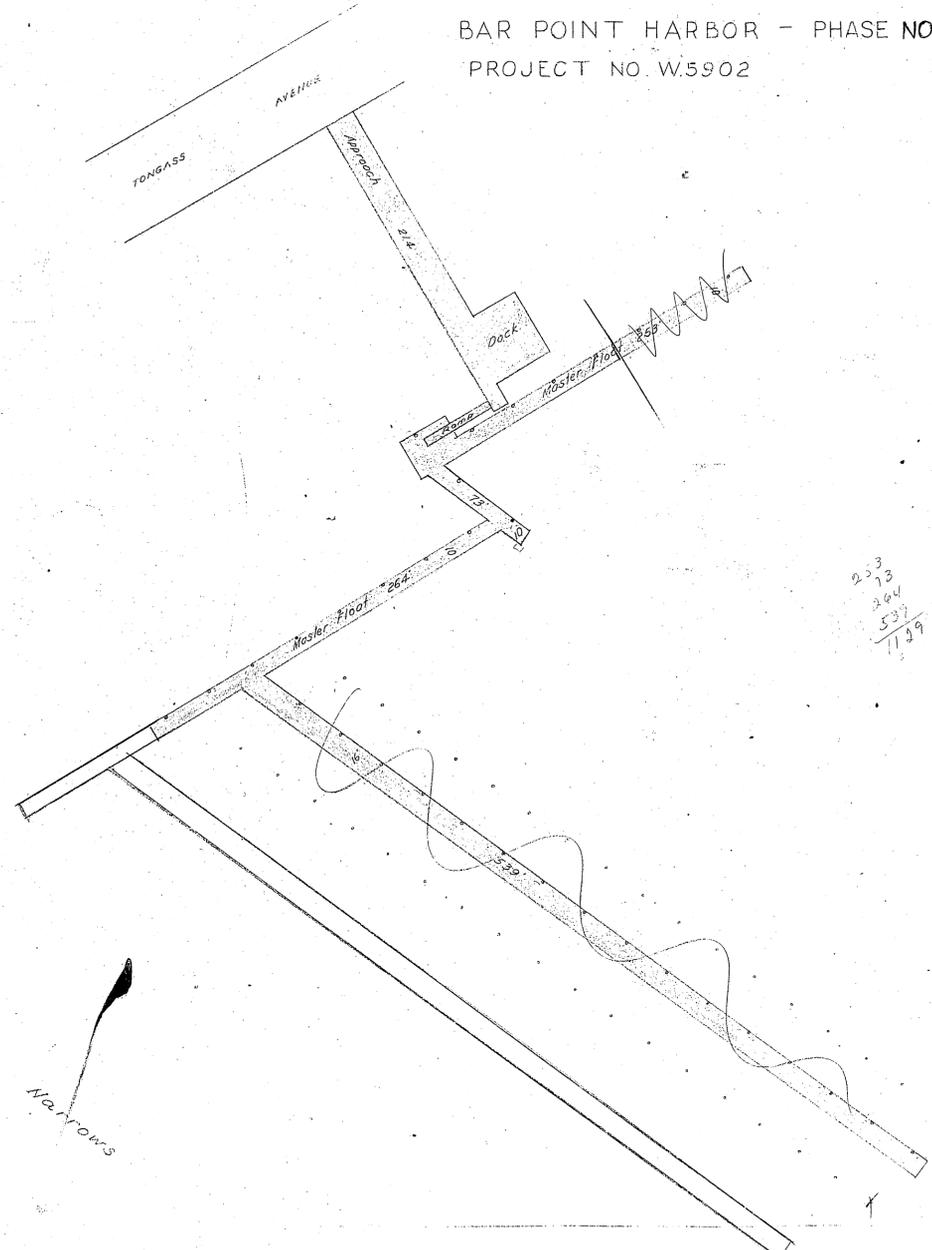


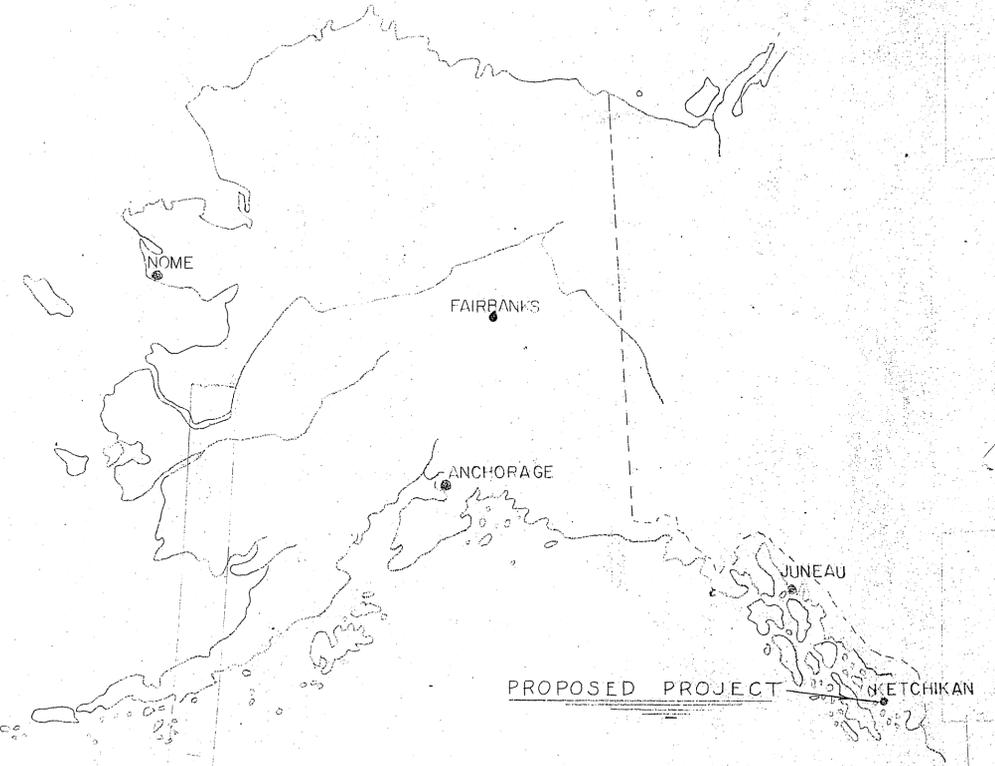
ALASKA DEPARTMENT OF PUBLIC WORKS

DIVISION OF WATER AND HARBORS

BAR POINT HARBOR - PHASE NO. 1  
PROJECT NO. W.5902



253  
264  
517  
1199



WORK SUMMARY

Major units of this project shall include construction of 5387 sq. ft. of approach and deck, construction and installation of 12,000 sq. ft. of floats and a 6ft x 50ft. ramp. Install 59 float & boat mooring piles

INDEX TO SHEETS

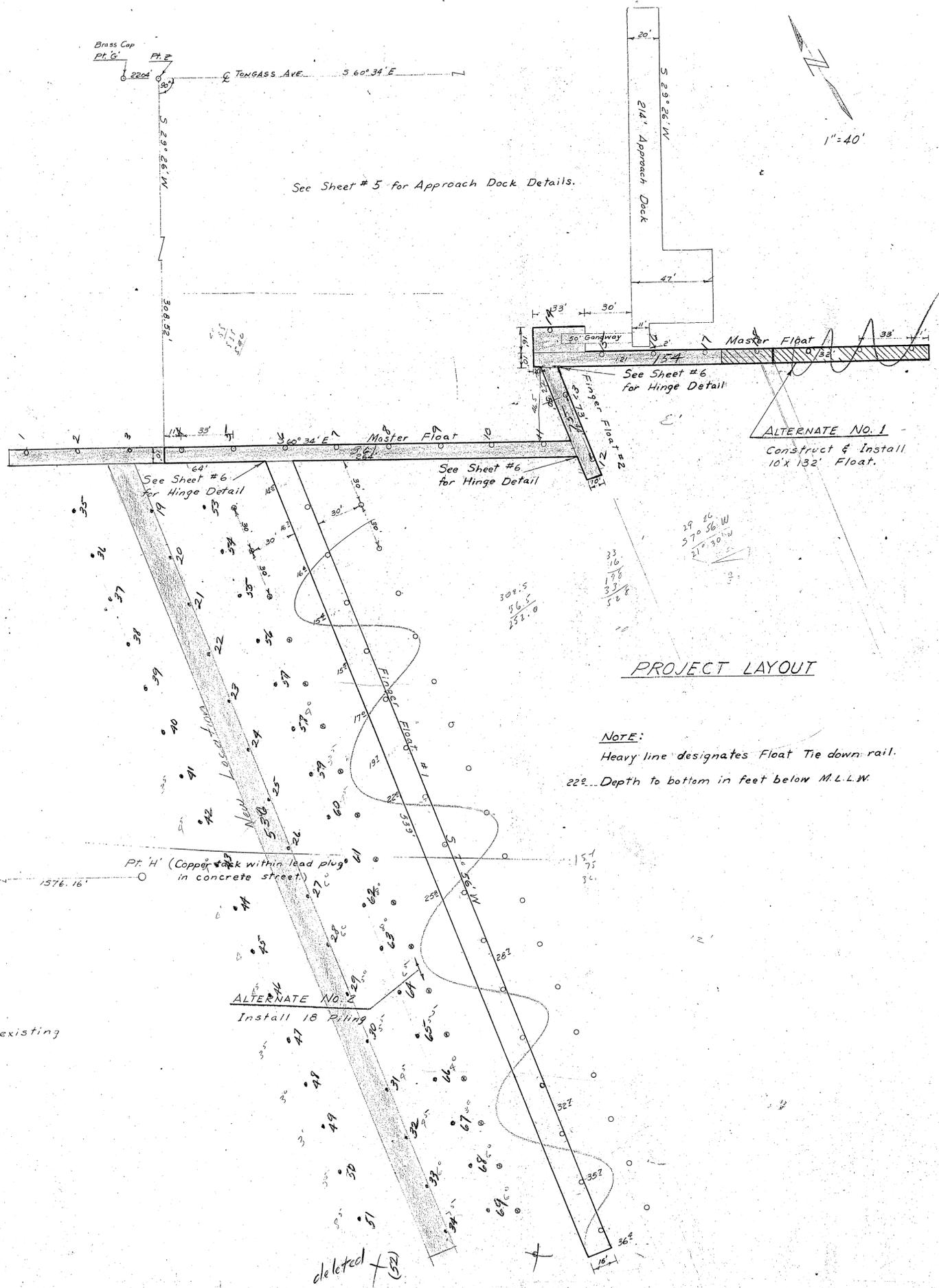
TITLE SHEET	---	V
PROJECT LAYOUT	---	2
TEST PROBING LAYOUT	---	3
APPROACH PLAN & LAYOUT	---	4
APPROACH DETAILS	---	5
FLOAT DETAILS	---	6
GANGWAY DETAILS	---	7
DRILL HOLE DETAILS	---	3

As Built Sept 1960

Date 1/18/60

Approved by R. A. Downing  
by [Signature] Adm Ass't Commissioner





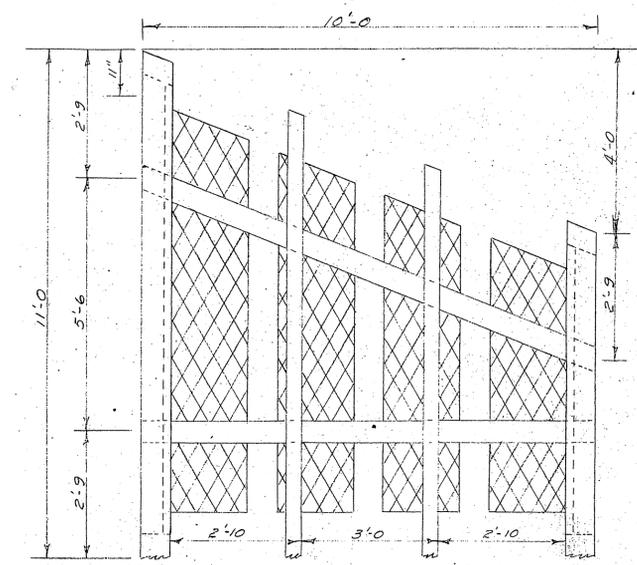
ALTERNATE NO. 1  
Construct & Install  
10' x 132' Float.

PROJECT LAYOUT

NOTE:  
Heavy line designates Float Tie down rail.  
22' Depth to bottom in feet below M.L.W.

POINT G' TIE

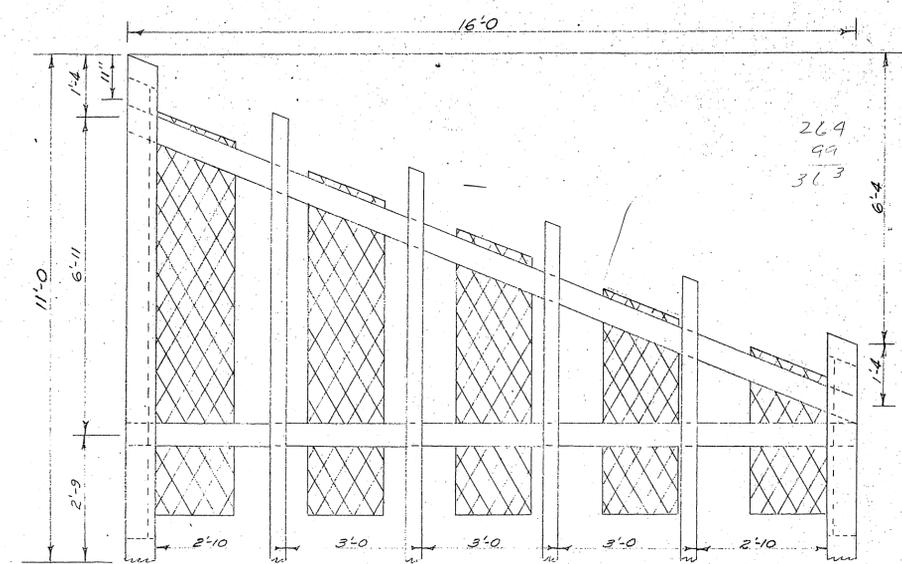
NOTE:  
Point G' is located 12" below existing  
street elevation.  
No Scale.



PLAN VIEW

ANGLE DETAIL ON FINGER FLOAT #2

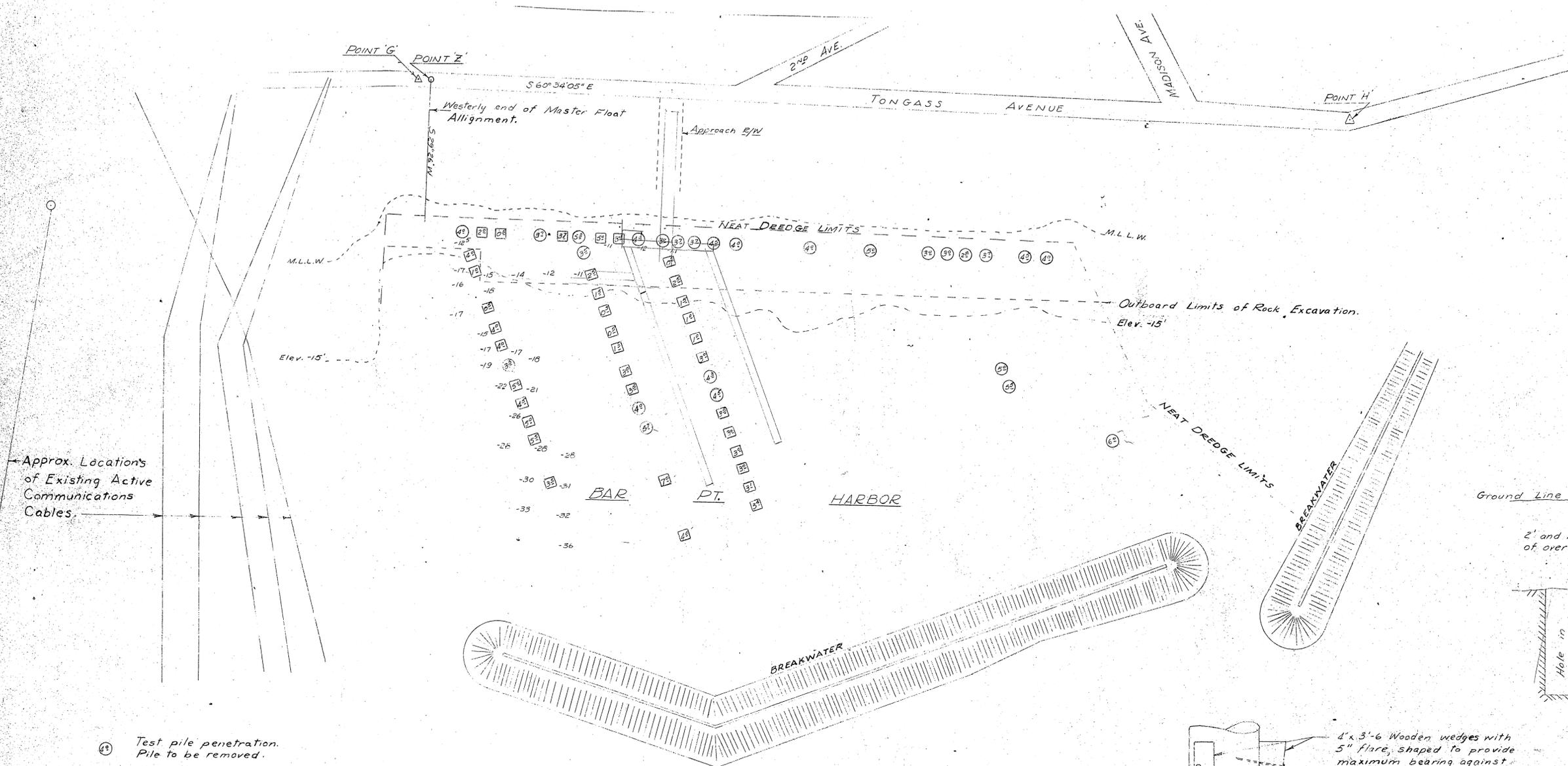
NOTE:  
10' wide angle on Master Float skewed left.  
Construction shown below the decking.



PLAN VIEW

ANGLE DETAIL ON FINGER FLOAT #1

NO.	DATE	REVISION	BY
STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS			
BAR POINT HARBOR FACILITIES KETCHIKAN, ALASKA PROJECT LAYOUT			
SCALE As Shown		APPROVED R.A. Downing	
DATE 7 January 1960		COMMISSIONER	
PROJ. NO. W-5902		DRAWN BY RPH CHECKED BY GBH	
SURVEYED BY WEB			

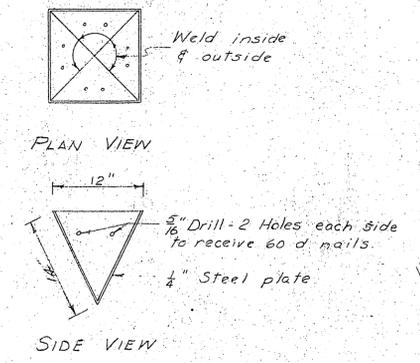


Approx. Locations of Existing Active Communications Cables

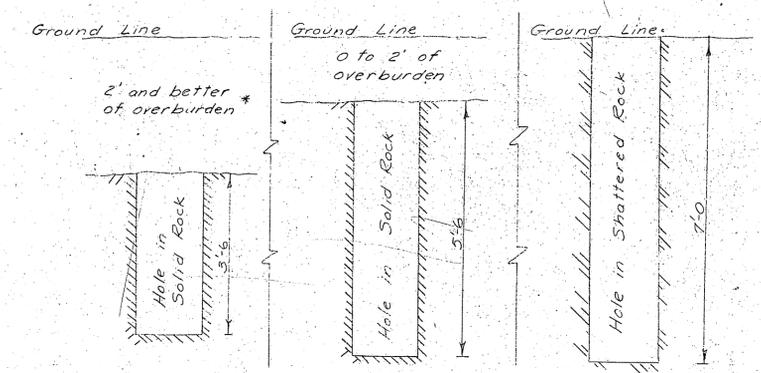
- 49 Test pile penetration. Pile to be removed.
- 52 Test Piling Probe Penetration
- 17 Depth to bottom in feet below M.L.L.W

**NOTE:**  
 Soundings from U.S. Corps of Engineers Chart dated 20 Feb. 1959.  
 Probing accomplished by State in October 1959.

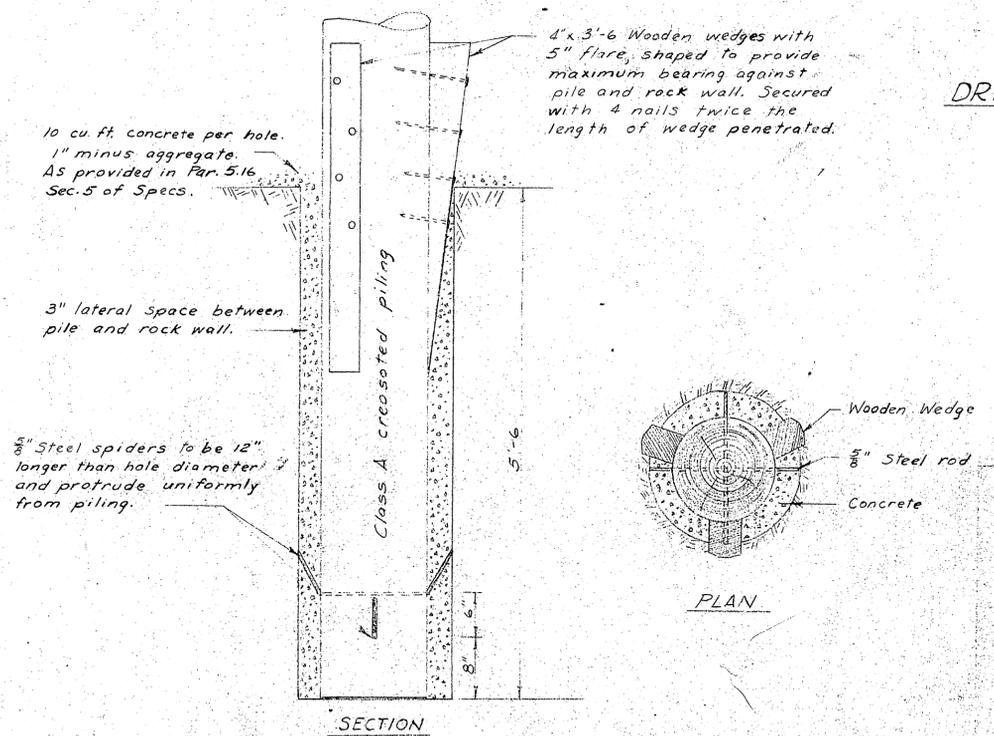
**TEST PROBING LAYOUT**  
 SCALE: 1" = 100'



**STEEL SHOE DETAILS**  
 1" = 1'-0"  
**NOTE:**  
 Steel shoes to be used where driving can be accomplished.



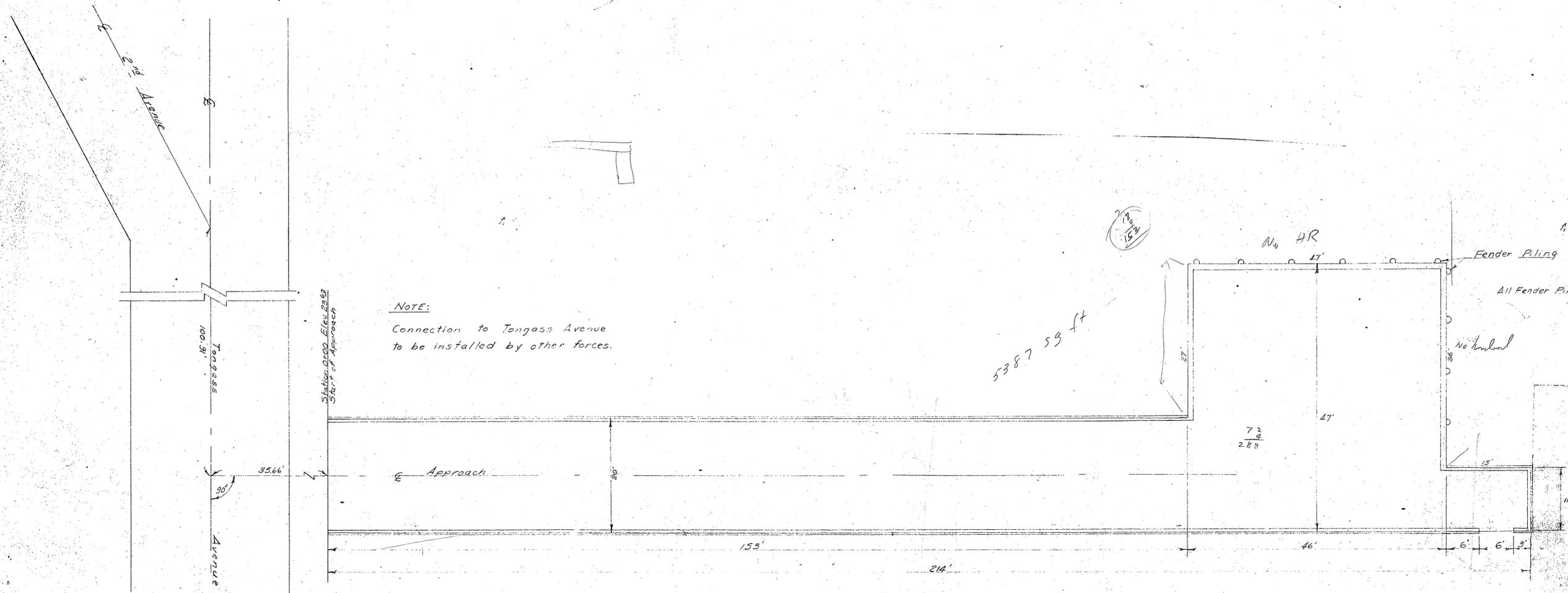
**DRILL HOLE SECTIONS**  
 1" = 2'-0"



**TYPICAL PILING INSTALLATION DETAILS**  
 1" = 1'-0"

NO.	DATE	REVISION	BY
STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS			
BAR POINT HARBOR FACILITIES KETCHIKAN, ALASKA			
TEST PROBING LAYOUT & DRILL HOLE DETAILS			
SCALE As Shown		APPROVED: R.A. Downing	
DATE 29 Dec 1959		COMMISSIONER	
PROD. NO. W5902		SURVEYED BY WEB	
		DRAWN BY RPH	
		CHECKED BY GBH	

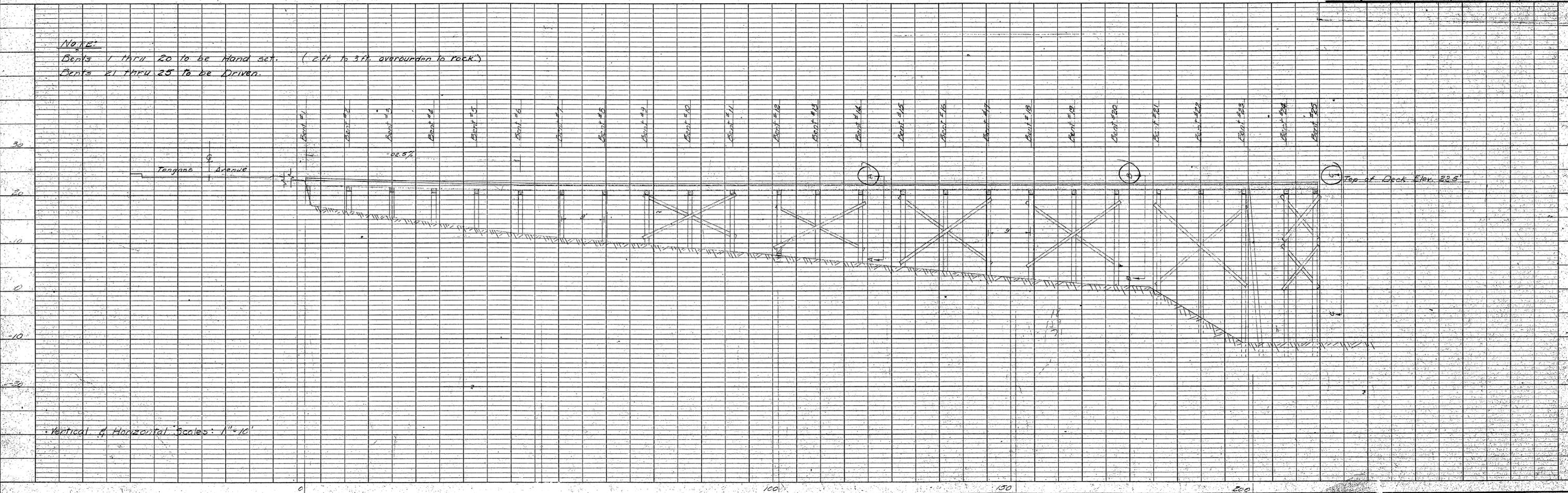
Scale: 1" = 10'



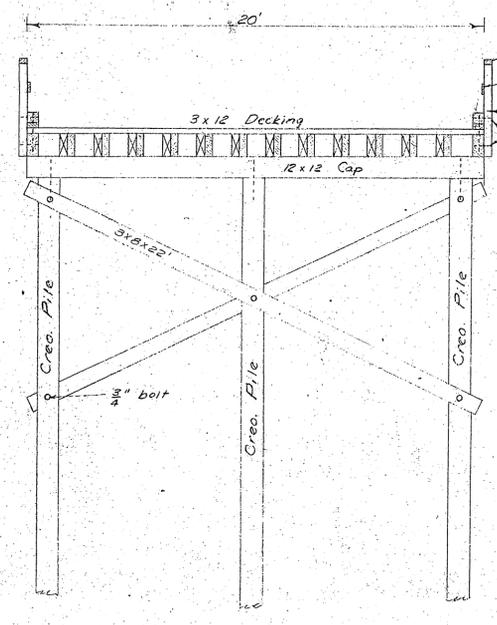
**NOTE:**  
Connection to Tongass Avenue to be installed by other forces.

NO.	DATE	REVISION
		STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS
		BAR POINT HARBOR FACILITIES KETCHIKAN, ALASKA
		APPROACH PLAN AND PROFILE
		SCALE 1" = 10'
		DATE 29 Dec 1959
		PROJ. NO. W-5902
		APPROVED R.A. Downing COMMISSIONER
		SURVEYED BY WEB
		DRAWN BY RPH
		CHECKED BY GBH

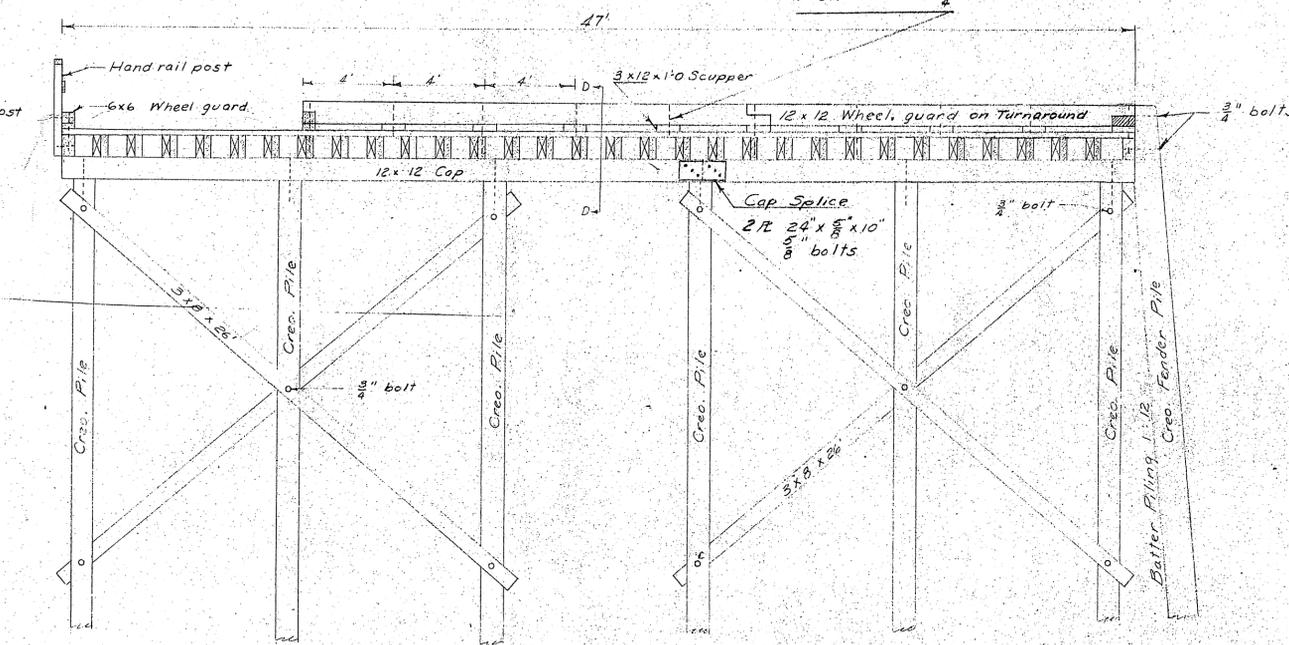
**NOTE:**  
Bents 1 thru 20 to be Hand set. (2 ft to 3 ft overburden to rock.)  
Bents 21 thru 25 to be Driven.



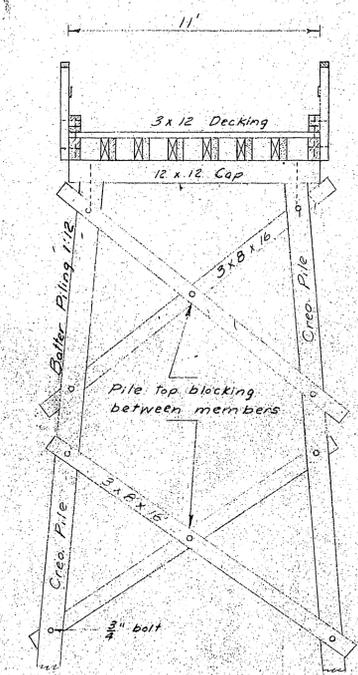
On turnaround where scupper blocks are not directly over a stringer, the wheel guard shall be secured to the deck with a  $\frac{3}{4}$ " econ. head bolt.



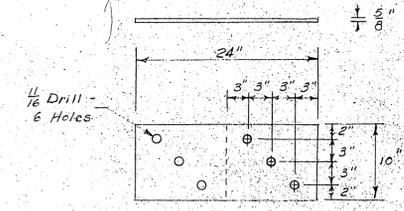
SECTION A-A



SECTION B-B

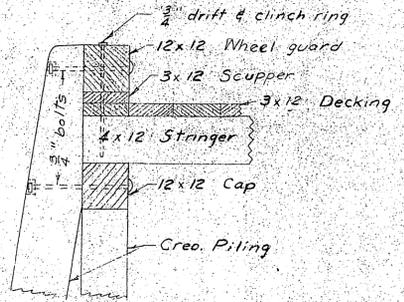


SECTION C-C



CAP SPLICE PLATE  
2-#2 24x5/8x10 per splice  
1" = 1'-0"

NOTE:  
A  $\frac{13}{16}$ " hole to be drilled in center of outboard cap splice plates for fender pile bolt.



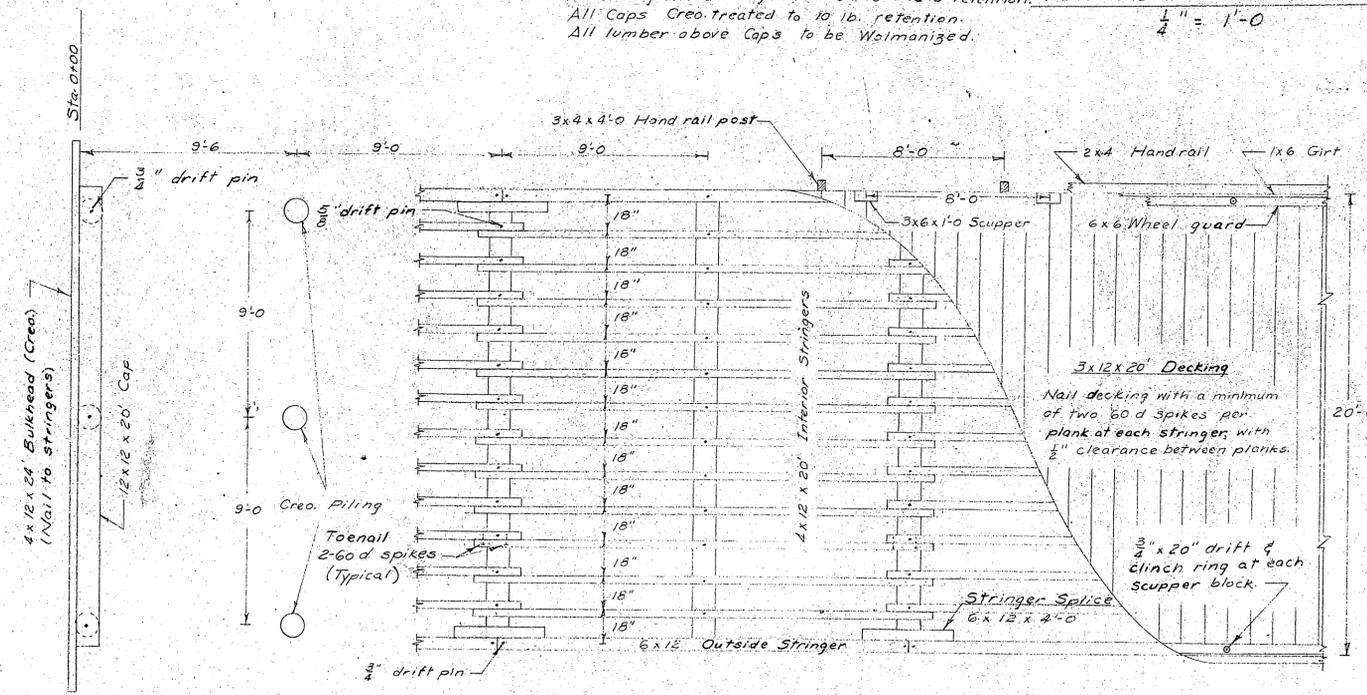
SECTION D-D  
FENDER PILE DETAIL  
1" = 2'-0"

NOTES:  
Secure stringers as shown on Plan View.  
All Piling and Bracing Creos. treated to 12 lb. retention.  
All Caps Creos. treated to 10 lb. retention.  
All lumber above Caps to be Wolmanized.

APPROACH SECTIONS  
1/4" = 1'-0"

\* Refer to Sheet No. 4

Piling in the two 11 ft. wide bents in Section C-C to be battered.

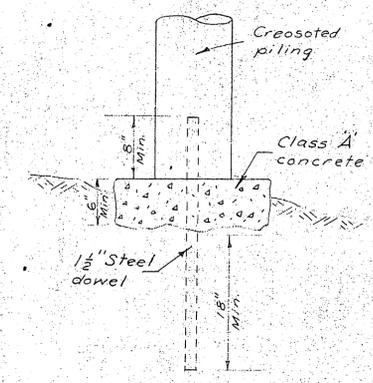


PLAN - SECTION A-A  
1/4" = 1'-0"

NOTE:  
Plan views of Sections B-B and C-C are identical to A-A with the exception of the widths of the approach and the B-B substitution of 12x12 Wheel guard and deletion of the Hand rail.

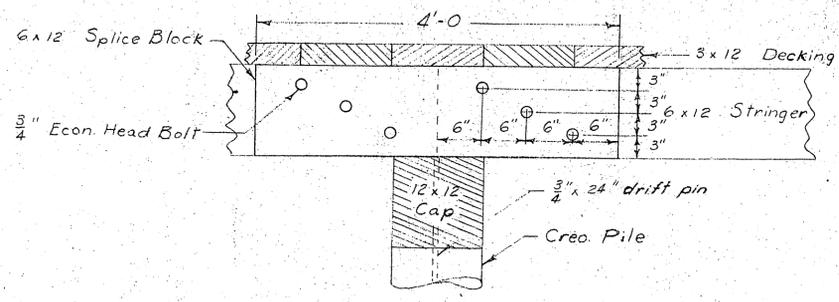
4" Stringers to be drifted as indicated with  $\frac{5}{8}$ " x 20" pins, each adjoining stringer secured with 2-60d spikes to its immediate drifted stringer at each lap joint.  $\frac{3}{4}$ " x 20" 6" Stringers to be fastened with  $\frac{3}{4}$ " x 20" drifts.

\* Refer to Sheet No. 4



PILING FOOTING DETAIL  
1" = 1'-0"

Piling lengths as shown are approximate only. All piles in bents 1-20 shall be hand set. Excavate each footing to a level surface in solid rock and drill for  $1\frac{1}{2}$ "  $\phi$  steel dowel. Dowel shall extend 18" into rock and be grouted in place. Construct 20" square pad of class A concrete with 6" minimum thickness, troweled to provide full bearing surface for the pile. Dowel shall project at least 8" into pile. Concrete as provided in Par. 5.16 Section 5 of Specifications. All Fender Piling to be driven to refusal.

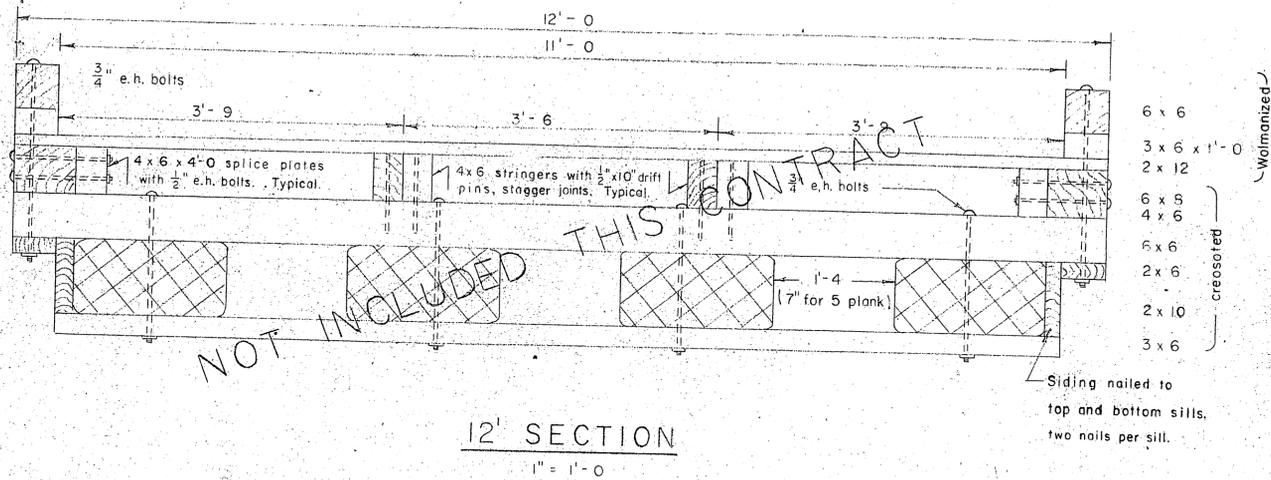


SPLICE BLOCK DETAIL  
1" = 1'-0"

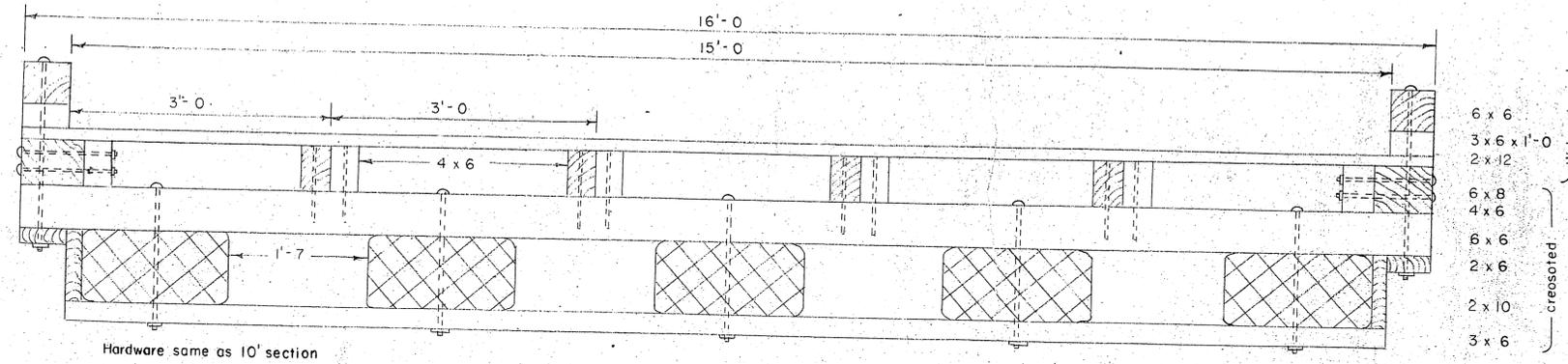
ITEM	DRESSING	GRADE
Hand rail	S4S	Construction
Girt	S4S	"
Hand rail post	Rough	"
Decking	S1S	"
Scupper block	Rough	"
Wheel guard	S1S1E	"
Stringers	S2E	Select Structural
Caps	S2E	"
Bracing	Rough	"
Piling		Class A

All lumber to be Douglas Fir.

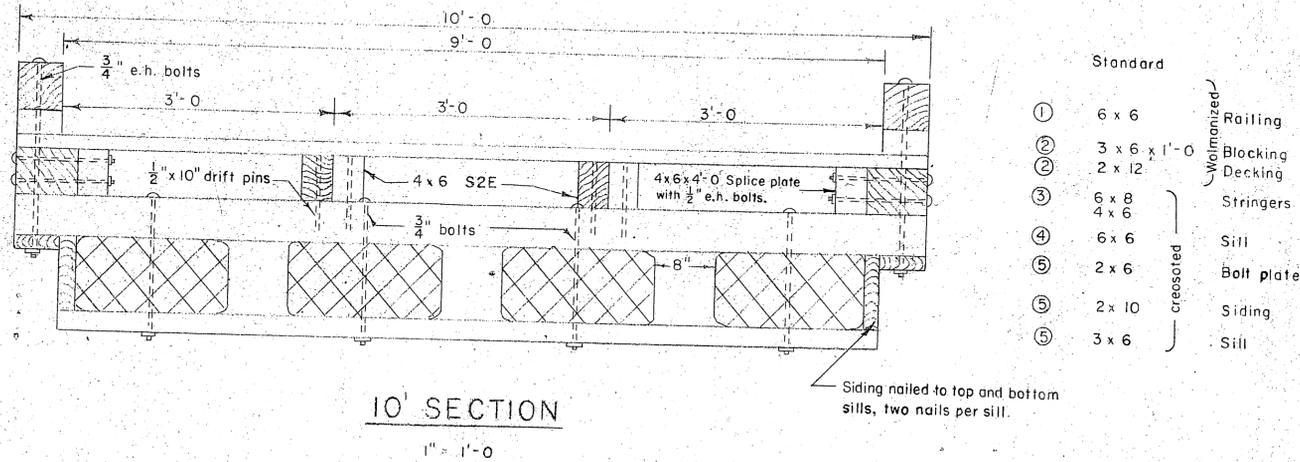
NO./DATE	REVISION	BY
STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS		
BAR POINT HARBOR FACILITIES KETCHIKAN, ALASKA APPROACH DETAILS		
SCALE As Shown	APPROVED R.A. Downing	COMMISSIONER
DATE 29 Dec. 1959		
PROJ. NO. W 5902		
SURVEYED BY	DRAWN BY RPH	CHECKED BY WEB



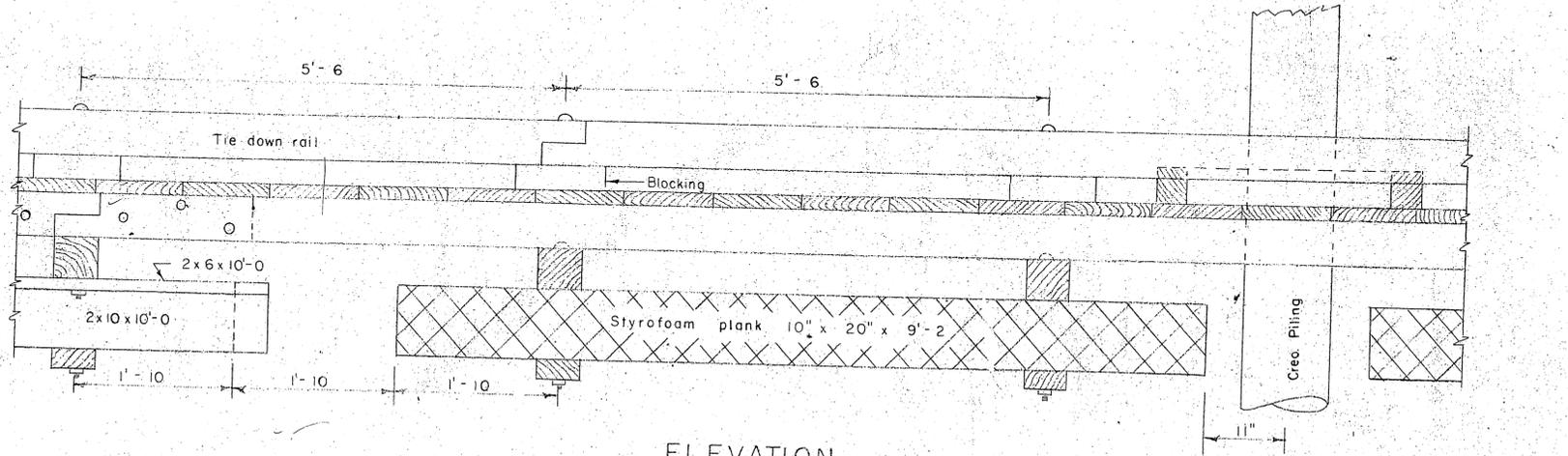
12' SECTION  
1" = 1'-0



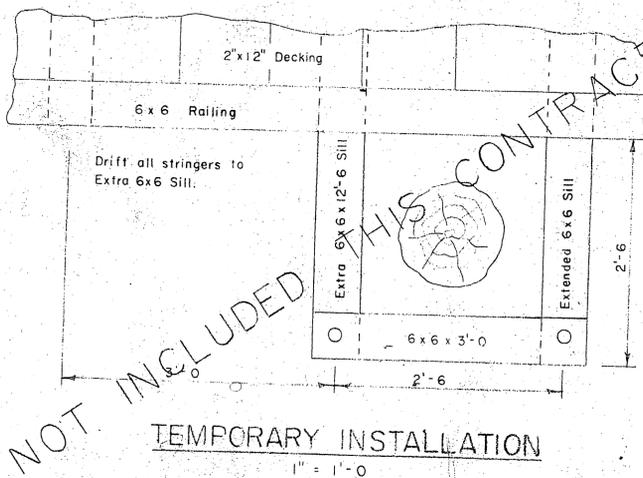
16' SECTION  
1" = 1'-0



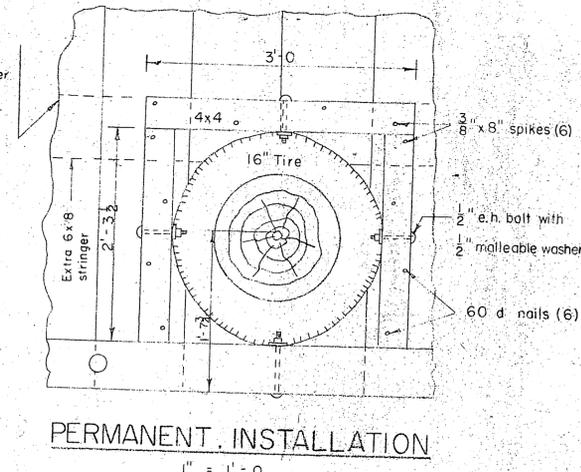
10' SECTION  
1" = 1'-0



ELEVATION  
1" = 1'-0

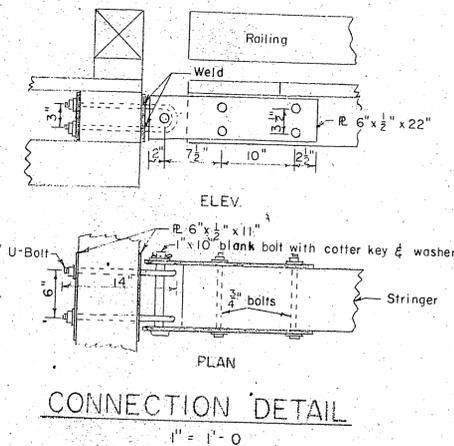


TEMPORARY INSTALLATION  
1" = 1'-0



NOTES

Bottom and top sills, bolt plate, siding and stringers to be Douglas fir creosoted to 12 lb. retention. Decking, rail block and tie down rail to be Wolmanized Douglas fir. All hardware to be galvanized. e.h. bolt = economy head bolt. Decking to be secured with two nails to each supporting members. A malleable iron washer to be between nut and wood surface in all instances, and a lock washer between nut and steel surface.



NOTE

Cotter key to be bronze.  
Plain washer between cotter key and steel plate.  
Weld outside striker plate to U-Bolt.

STANDARD GRADING AND DRESSING RULES NO. 15

	Construction	Rough	Douglas Fir
①	Construction	Rough	Douglas Fir
②	Construction	Rough	Douglas Fir
③	Construction	S2S	Douglas Fir
④	Select-Structural	S2S	Douglas Fir
⑤	Select-Structural	Rough	Douglas Fir

All lumber above stringers to be Wolmanized.

NO	DATE	REVISION	BY
STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER & HARBORS			
TYPICAL FLOATS			
SCALE	As Shown	APPROVED	R.A. Downing COMMISSIONER
DATE	7 January 1960	SURVEYED BY	DRAWN BY RPH CHECKED BY WEP
PROJ. NO.	W 5902		