

STATE OF ALASKA

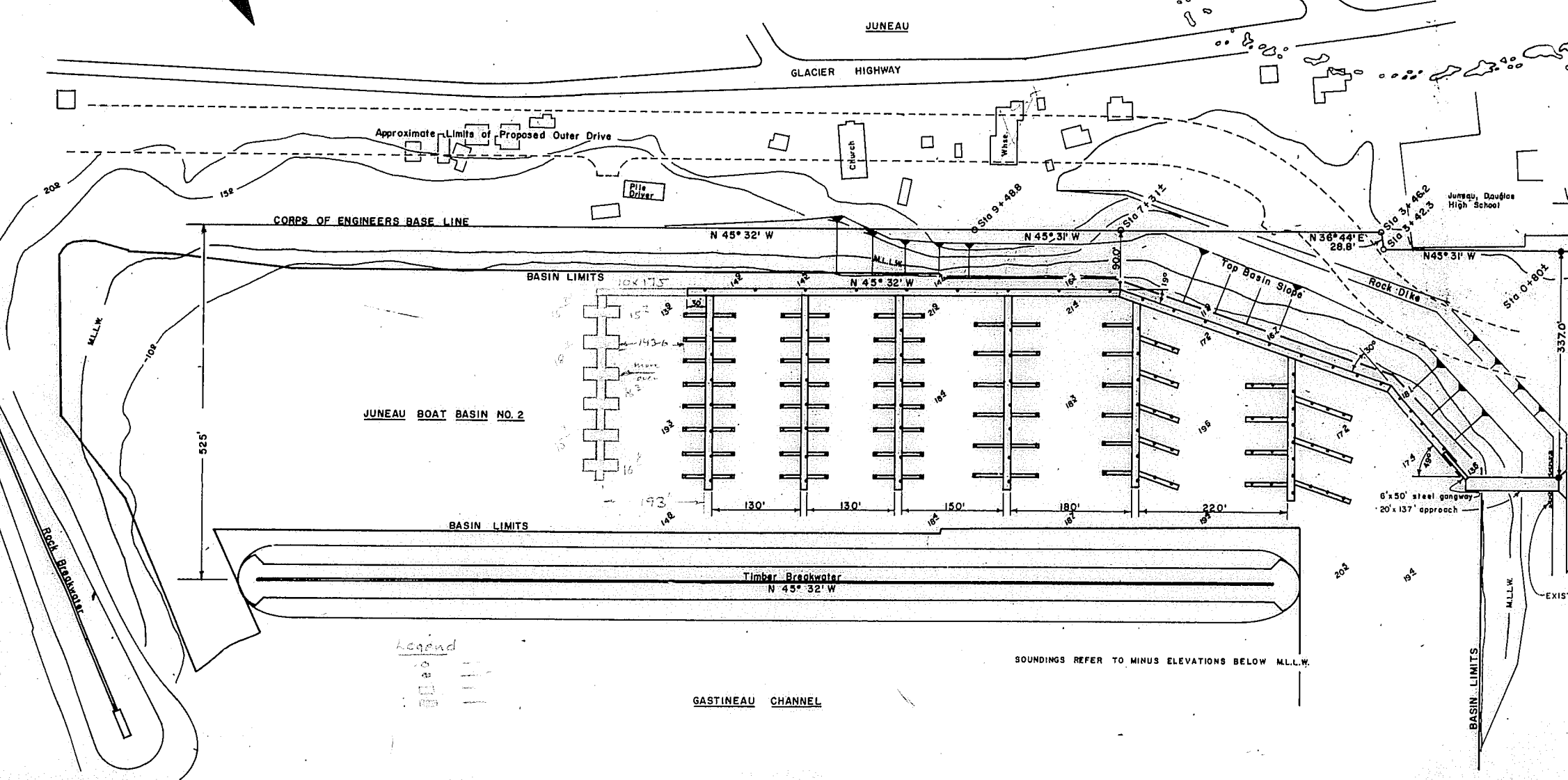
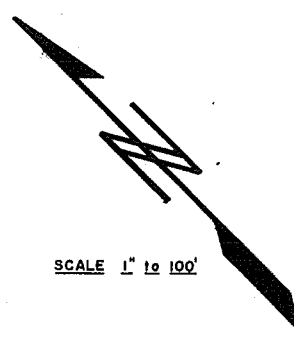
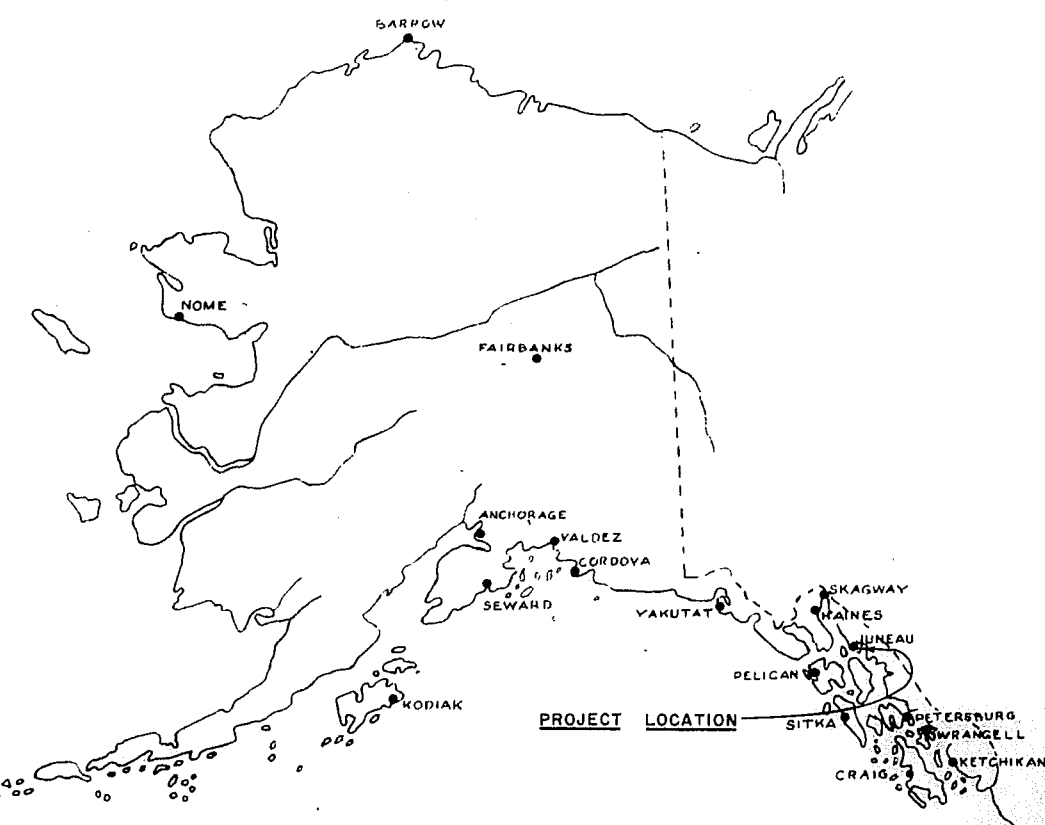
DEPARTMENT OF PUBLIC WORKS

# DIVISION OF WATER & HARBORS

## JUNEAU BOAT HARBOR FACILITIES

### PROJECT NO. W 64-65180

## BOAT BASIN NO. 2, PHASE NO. 1



### WORK SUMMARY

Major units of this project shall consist of the construction and installation of 42,495 sq. ft. of polystyrene float, a 20ft. x 137ft. approach structure (2732 sq. ft.), a 6ft. x 50ft. steel gangway and furnishing and driving 159 float and stall piling (9858 lin. ft.).

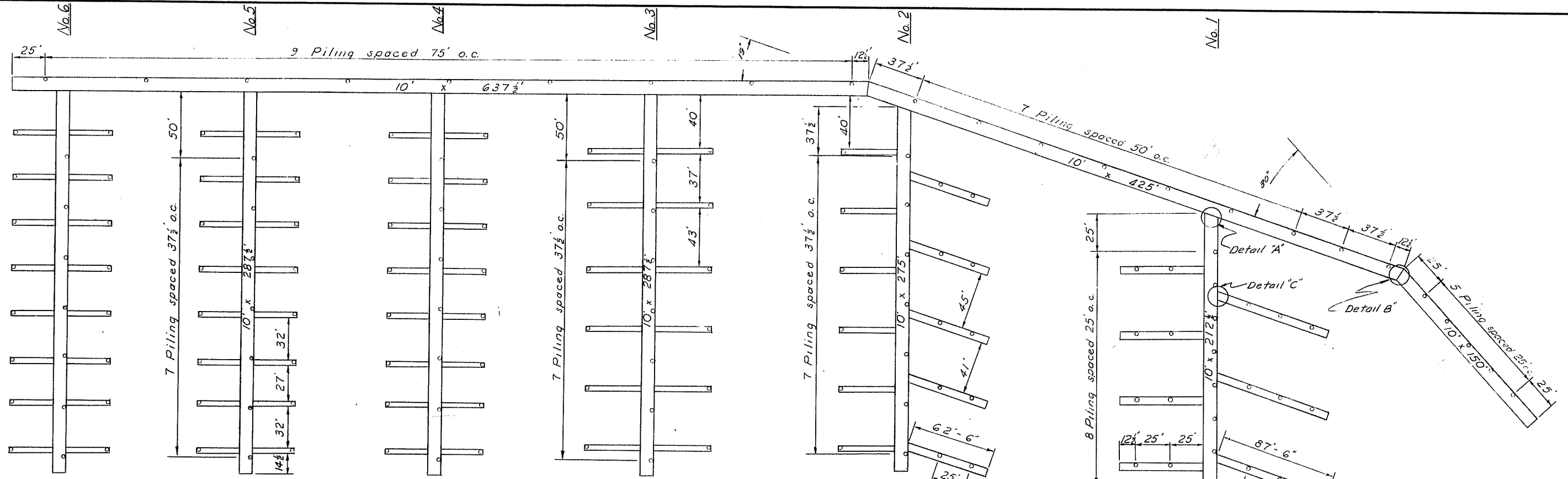
### INDEX TO SHEETS

TITLE & LOCATION	SHEET
FLOAT LAYOUT & CONNECTION DETAILS	1
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TYPICAL FLOATS	3
TYPICAL STALL FLOATS	4
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SOUNDINGS REFER TO MINUS ELEVATIONS BELOW M.L.L.W.



DATE 2-27-64 APPROVED *[Signature]* COMMISSIONER



Space 32' stall floats 30' between stalls except as shown.

Finger floats 4x6 shall conform to dimensions given for finger float #5.

Space 42' stall floats 40' between stalls except as shown.

Space 62 1/2' stall floats 43' between stalls except as shown.

Space 87 1/2' stall floats 52' between stalls

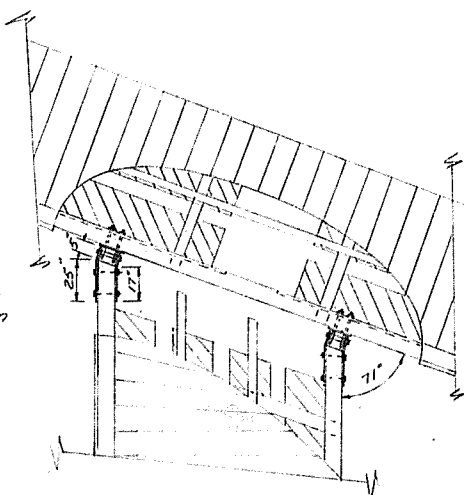
### FLOAT LAYOUT

1" = 40'

#### NOTES

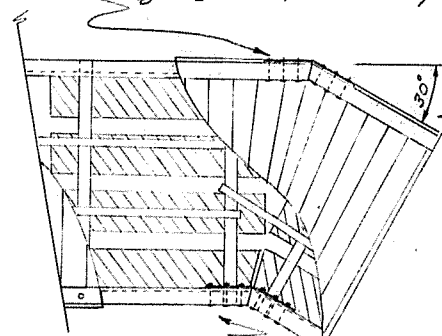
- 1 Piling to be driven butt down to 15' penetration or refusal
- 2 Pile cut-off Elev +30ft.
- 3 Omit Tie Down Rail where stall floats join finger floats & finger floats join main float.
- 4 All Tie Down Rails between stalls to be made with one splice only with exception of Rails between 32' stalls which shall be one piece.
- 5 All splice plates & connection plates shall be bent to the angles indicated & holes drilled prior to galvanizing.

Connection U-bolts & Plates shall conform to the connection detail as shown on sheet 4 except as noted



DETAIL "A"  
FINGER FLOAT CONNECTION  
1/4" = 1'-0"

8x8 Tie down rails to be spliced using 3/8" x 7 1/2" x 4'-0" LP secured w/ 6-1/2" bolts

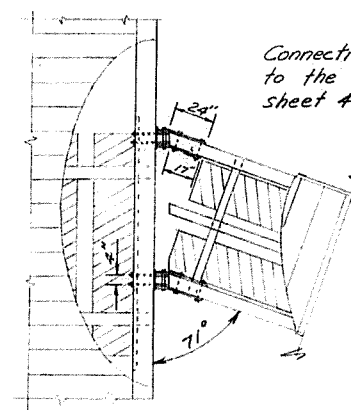


6x8 Stringers to be spliced using 3/8" x 5 1/2" x 4'-0" LP secured w/ 6-1/2" bolts.

DETAIL "B"  
MAIN FLOAT CONNECTION  
1/4" = 1'-0"

Note 15° float connection to be similarly constructed

Decking at float angles to be wedge cut to provide smooth transition about angle.

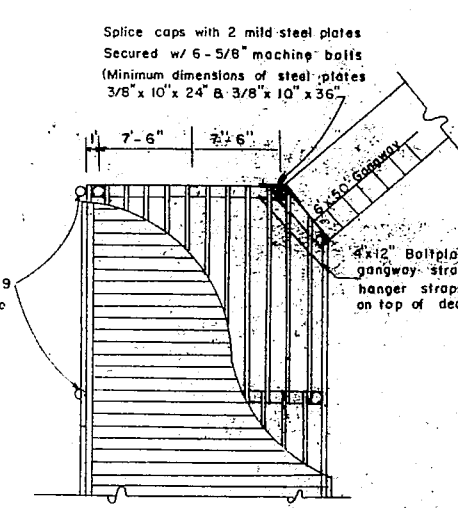


Connection U-bolts & plates shall conform to the connection detail as shown on sheet 4 except as noted

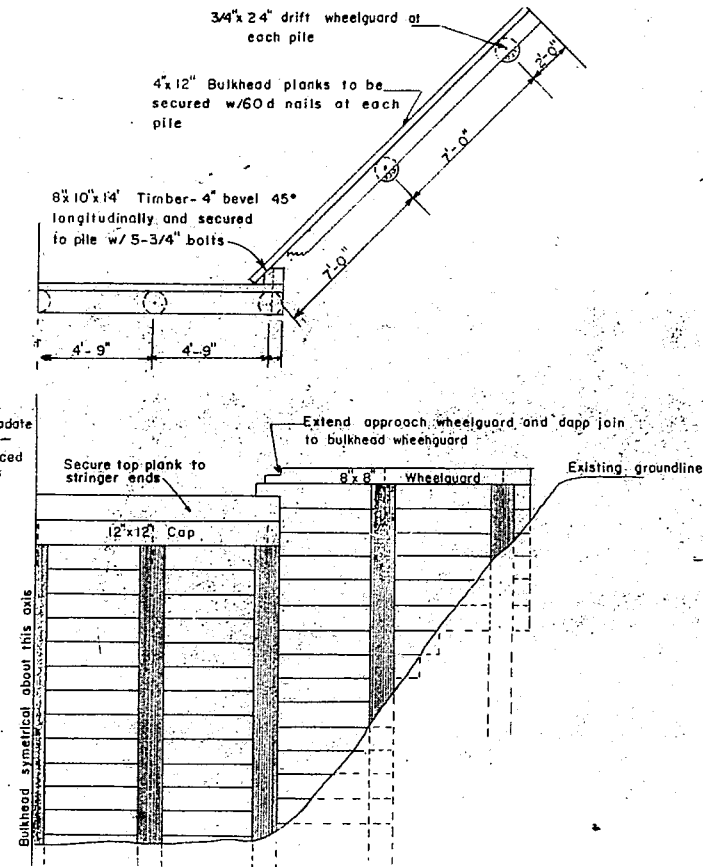
DETAIL "C"  
STALL FLOAT CONNECTION  
1/4" = 1'-0"

NO.	DATE	REVISION	BY
STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS			
JUNEAU BOAT HARBOR No 2 Float Layout			
SCALE	As Shown	APPROVED	<i>[Signature]</i> COMMISSIONER
DATE	March 1968		
PROJ. NO.	W-67-6100		
SURVEYED BY	DS	DRAWN BY	AK
CHECKED BY	DS		

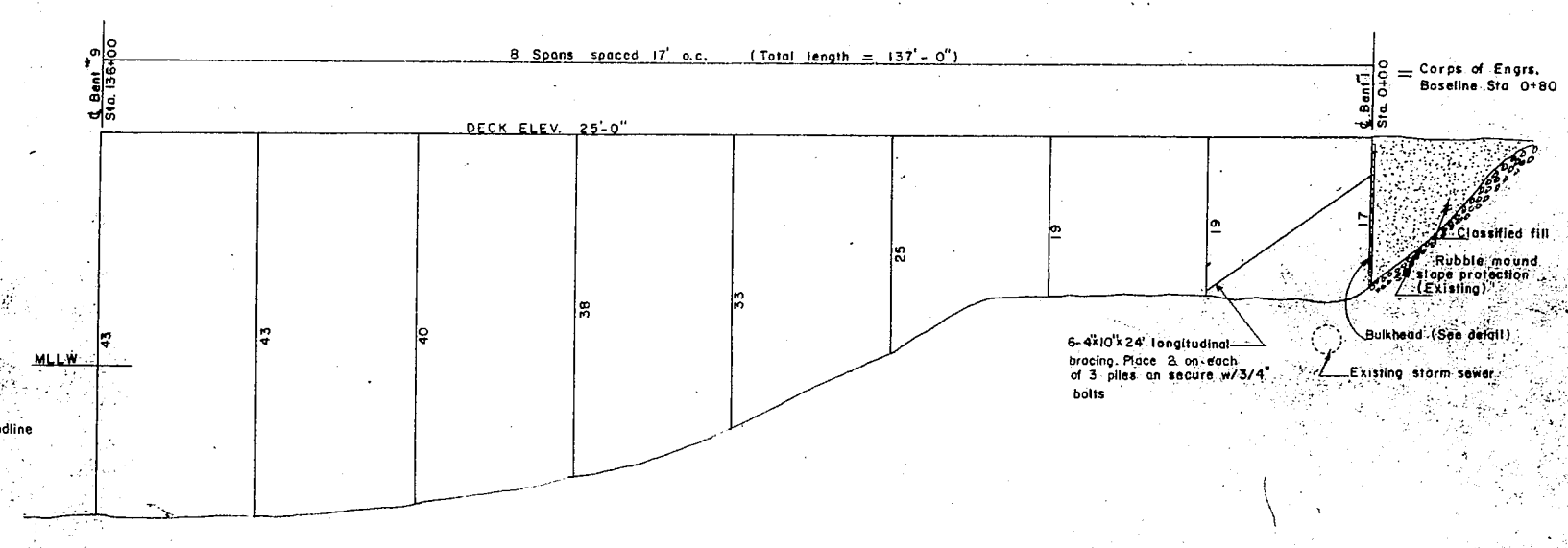
NOTE:  
Drive 5 fender piling at bents 5-9  
Batter piles at 1:10 and secure to  
wheelguard with 3/4" bolts



GANGWAY APPROACH  
CONNECTION DETAIL  
1/8" = 1'-0"



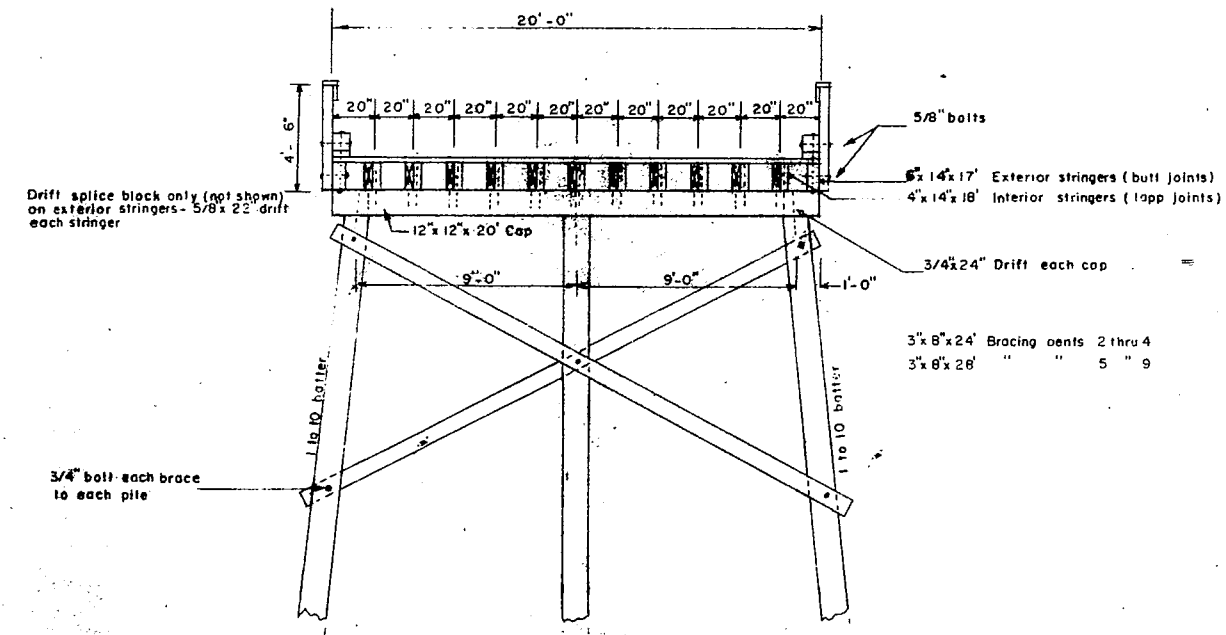
FRONT ELEVATION  
BULKHEAD DETAILS  
1/4" = 1'-0"



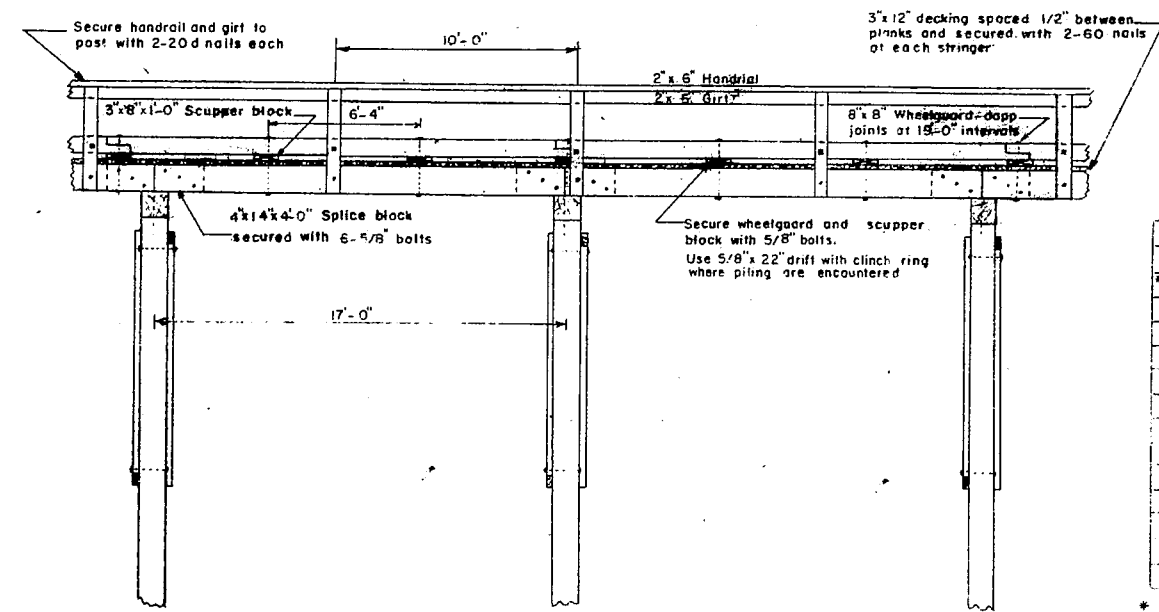
PROFILE  
1" = 10'

- NOTES
- Vertical distances given are from deck to ground line.
  - Approach bulkhead and bearing piling shall be driven tip down to 15' penetration or refusal as determined by the Engr. Fender piling shall be driven butt down to 10' penetration.

- NOTES
- All hardware to be galvanized with malleable iron washers between nut and wood surfaces. All bolts to be of mushroom head type. Bolt holes to be drilled true size. Drift holes to be drilled 1/16" undersize. All pressure treated creosote material shall be cut to size prior to treatment.



TYPICAL APPROACH SECTION  
Scale 1/4" = 1'-0"



TYPICAL SIDE ELEVATION  
Scale 1/4" = 1'-0"

MATERIALS				
ITEM	GRADE	DRESSING	REQ. TREAT	TYPE
Piling	Class B		12 Ref.	Douglas Fir
Bracing	Construction	Rough	12 "	"
Caps	"	S4S	B "	"
Ext Stringers	"	"	"	"
Splice Blocks	"	S2 E	"	"
Int. Stringers	"	"	"	"
Decking	"	S1S2 E	"	"
Scupper Bl.	"	S4S	"	"
Wheelguard	"	"	"	"
Handrail Post	"	"	"	"
Girl	"	"	"	"
Handrail	"	"	"	"

\* Fender piling to be Class A

NO.	DATE	REVISION	BY
STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS			
APPROACH CONSTRUCTION DETAILS			
SCALE As Shown	DATE Feb. 1964	PROJ. NO. 166-45180	APPROVED <i>[Signature]</i> COMMISSIONER
SURVEYED BY DW		DRAWN BY WQ. CHECKED BY DS	