

STATE OF ALASKA

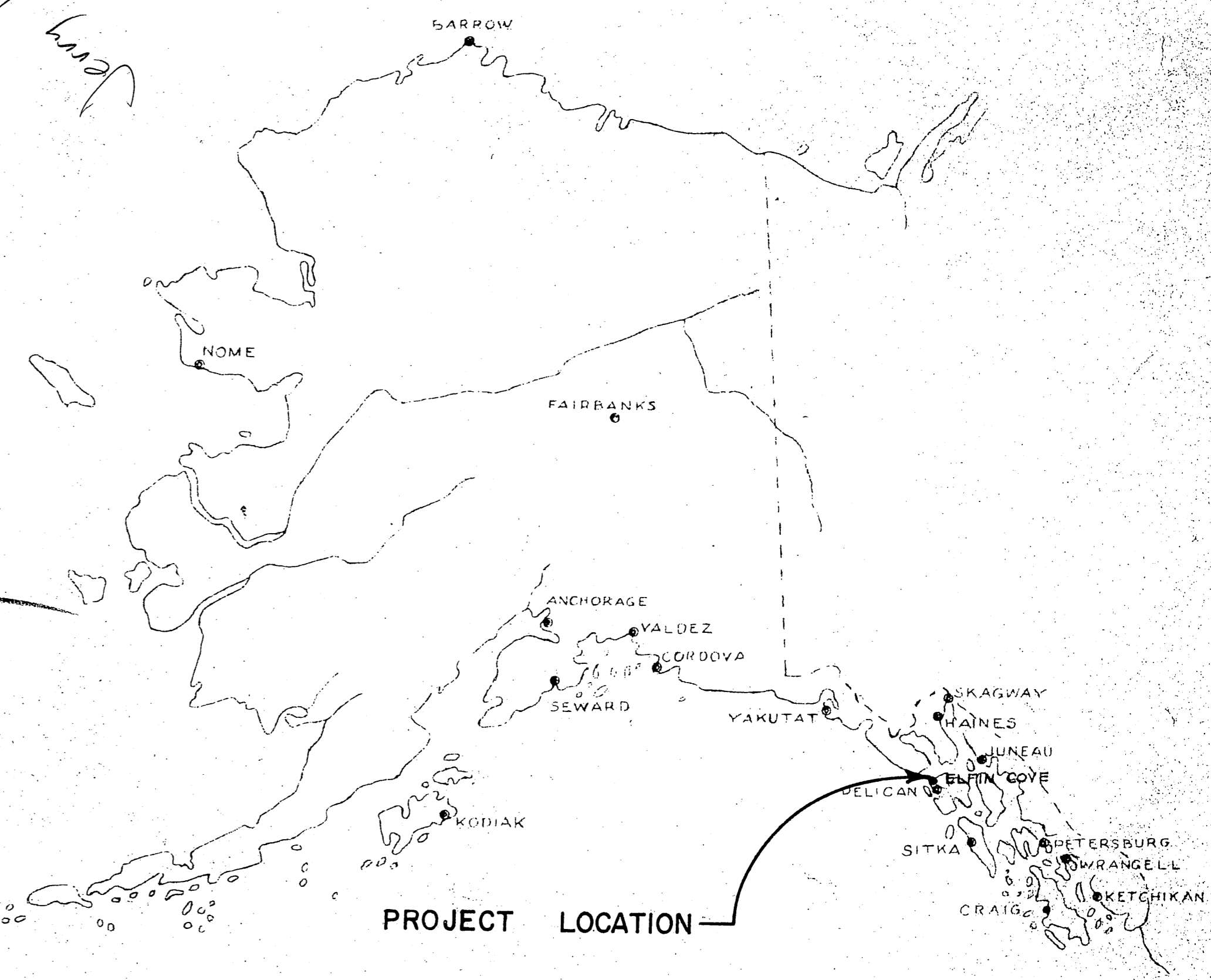
DEPARTMENT OF PUBLIC WORKS

DIVISION OF WATER & HARBORS

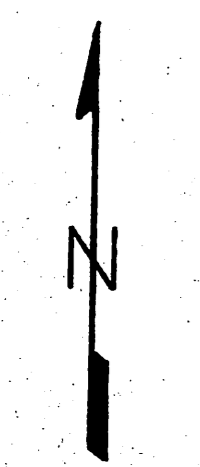
ELFIN COVE INNER HARBOR FACILITY

PROJECT NO. W 64107

*Very messy*

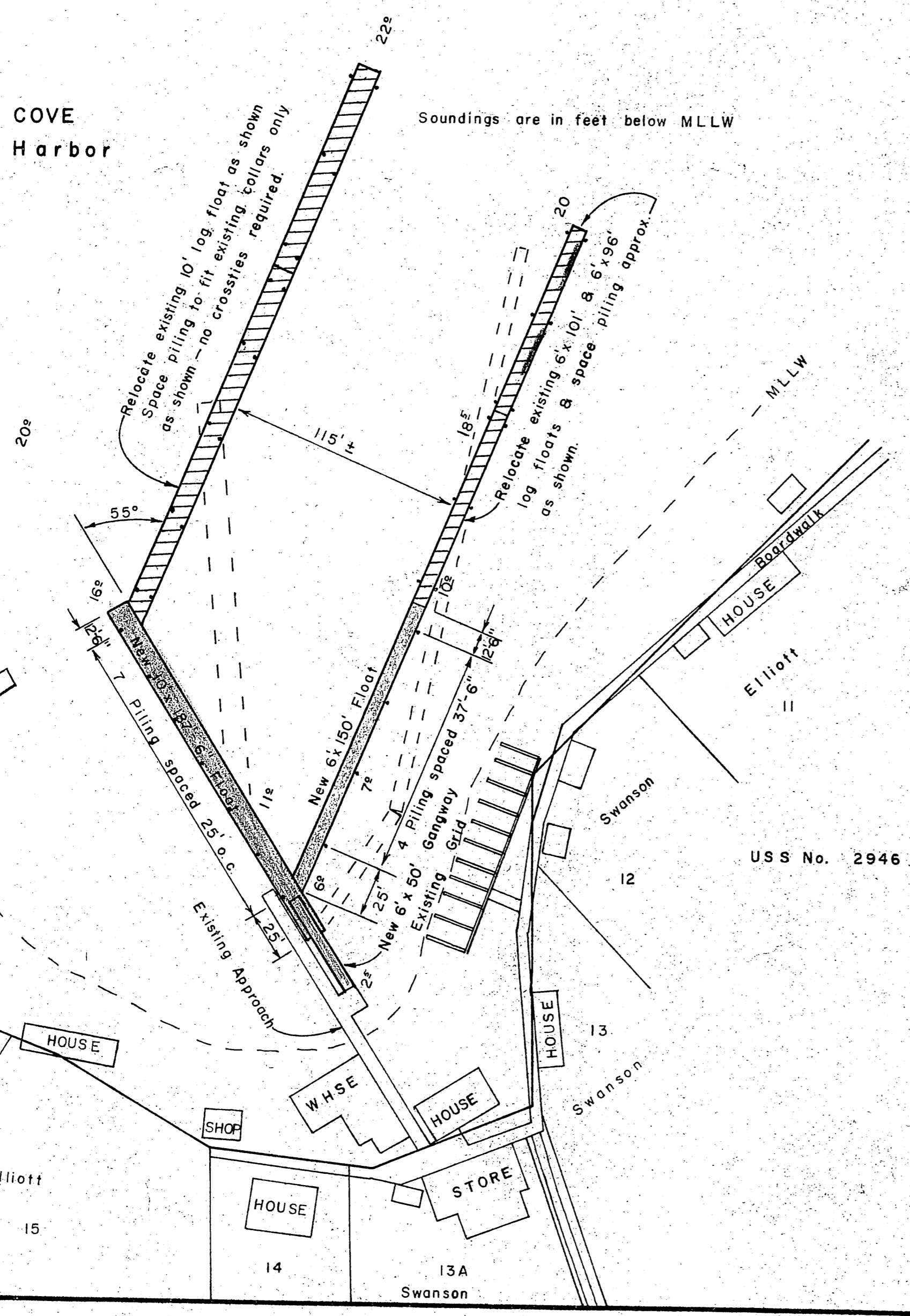


*Red: Needs repair 10-30-77*



1" = 50'

ELFIN COVE  
Inner Harbor



LEGEND

- Existing floats to be removed
- Relocation of existing log floats
- New polystyrene floats to be installed

NOTES

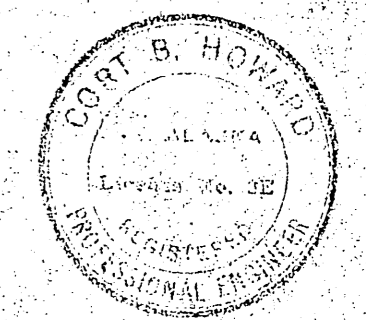
1. The 34 creosote & 5 native piling presently mooring existing floats shall be pulled & 28 of the best creosote piling reused to secure the relocated log floats.
2. Log floats that are not reused shall be turned over to E.O. SWANSON for disposition.
3. All new floats shall utilize new creosote piling.
4. Piling shall be driven to 10' penetration or refusal as may be determined by the Engr.
5. New pile cutoff el. 22.0
6. The new 6' x 150' polystyrene float shall be constructed to conform to the 6' INTEGRAL STALL FLOAT design without incorporating stalls. A 6 x 6 tie down rail & 3 x 6 scupper blocks shall be added in lieu of cleats in the same manner as the TYPICAL 10' FLOAT.

WORK SUMMARY

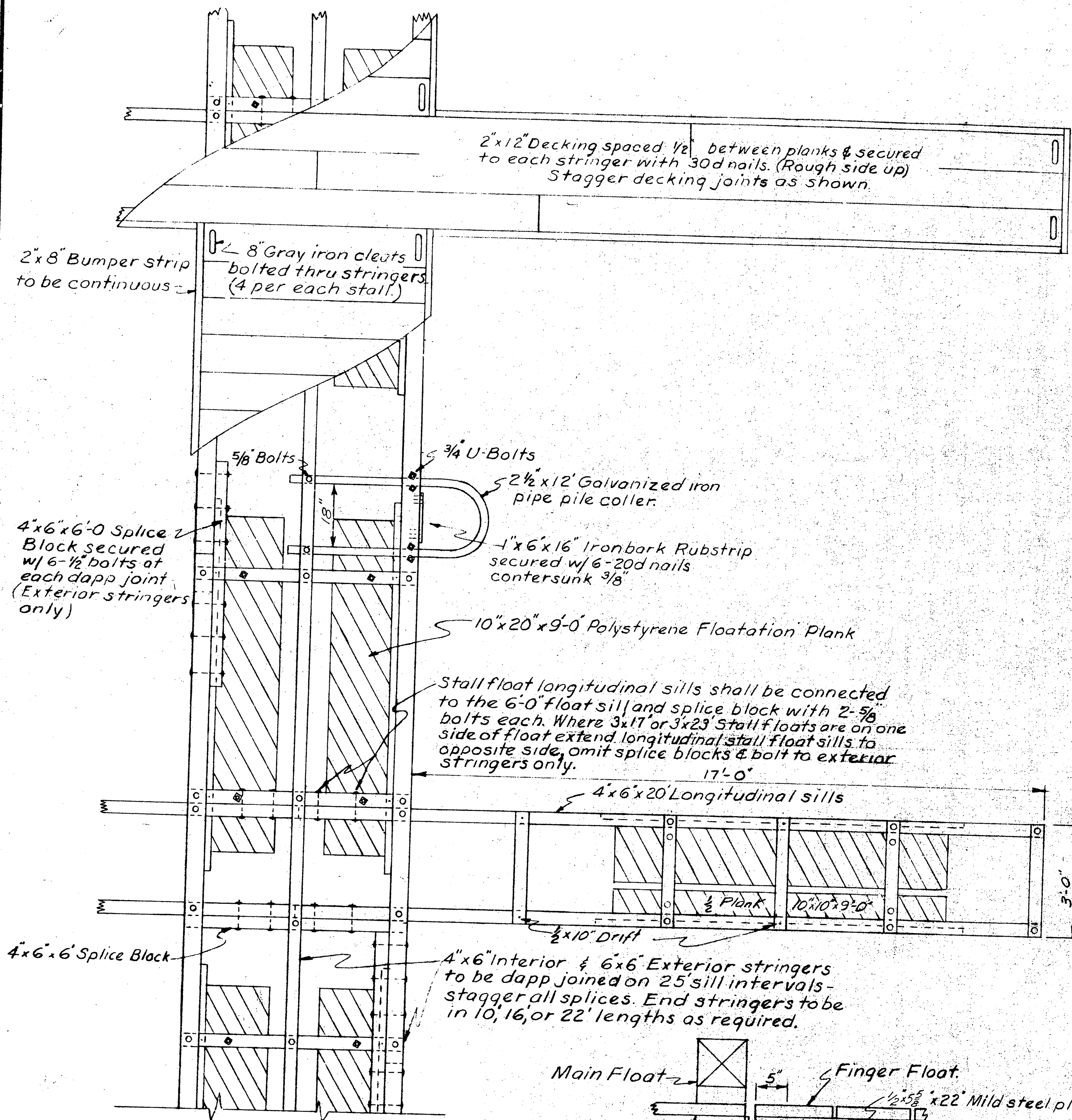
Major items of this project shall consist of the removal of 650 L.F. of existing log floats & gangway and relocation of 497 L.F. of log float, the pulling of 39 piling, re-driving 28 piling, furnishing & driving 11 new piling (466 L.F.), construction & installation of 2775 S.F. of polystyrene float and a 6' x 50' gangway.

INDEX TO SHEETS

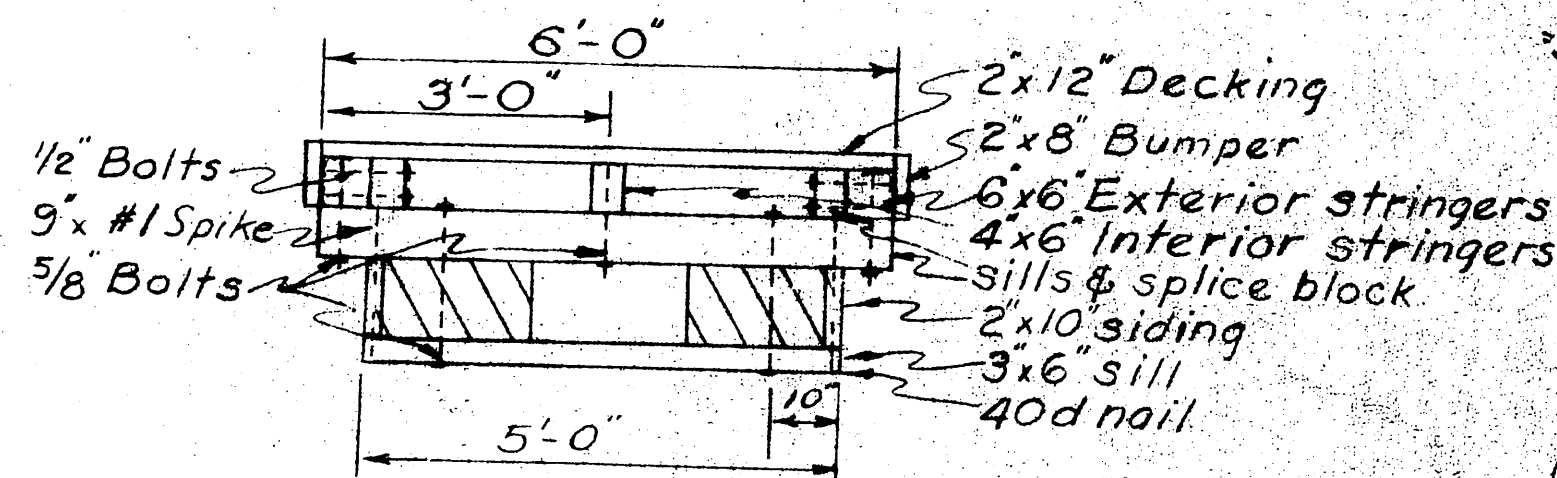
TITLE AND FLOAT LAYOUT	SHEET No.
TYPICAL FLOATS	2
TYPICAL 6' FLOATS	3
TYPICAL GANGWAY	4



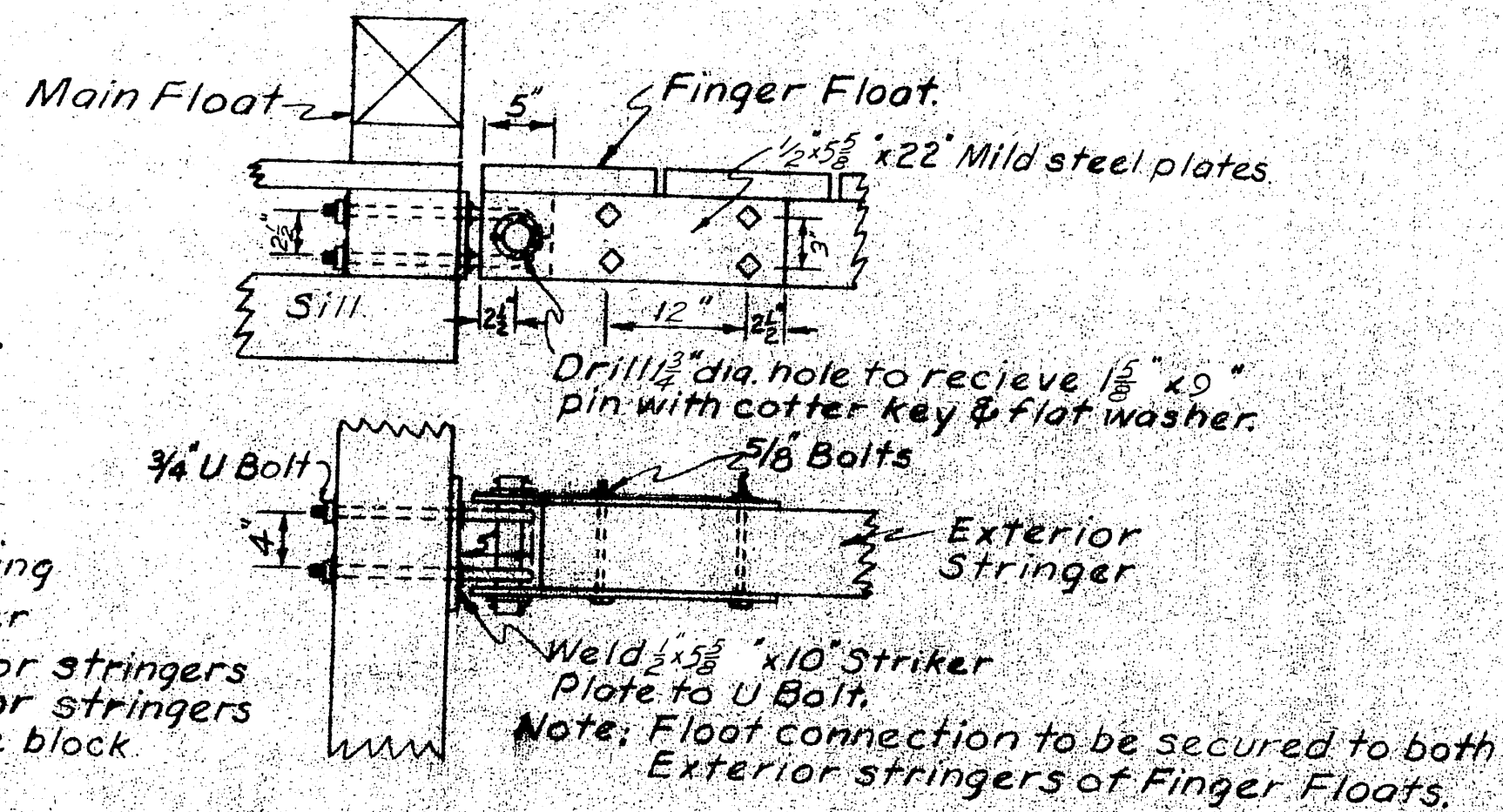
DATE 8-27-63 APPROVED *[Signature]* COMMISSIONER



PLAN VIEW 17' STALL FLOAT ASSEMBLED

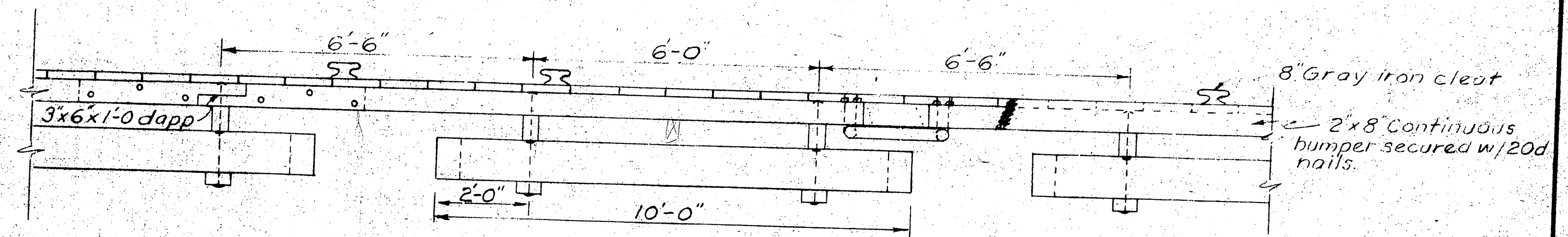


6' FLOAT SECTION

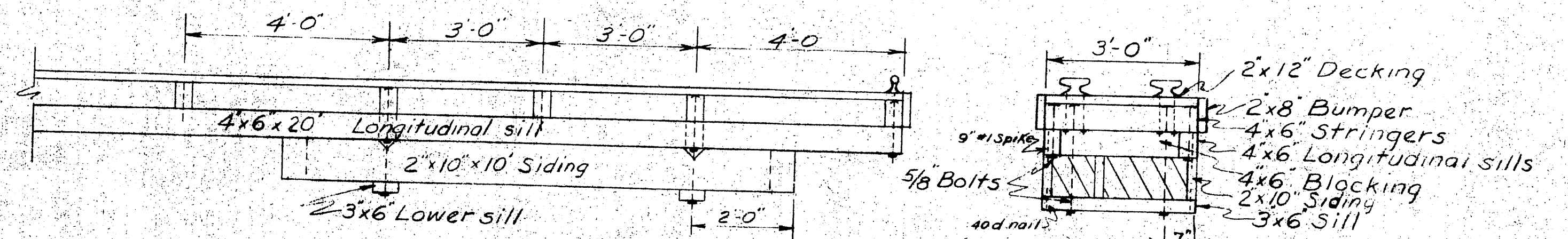


CONNECTION DETAIL

Scale 1" = 1'-0"

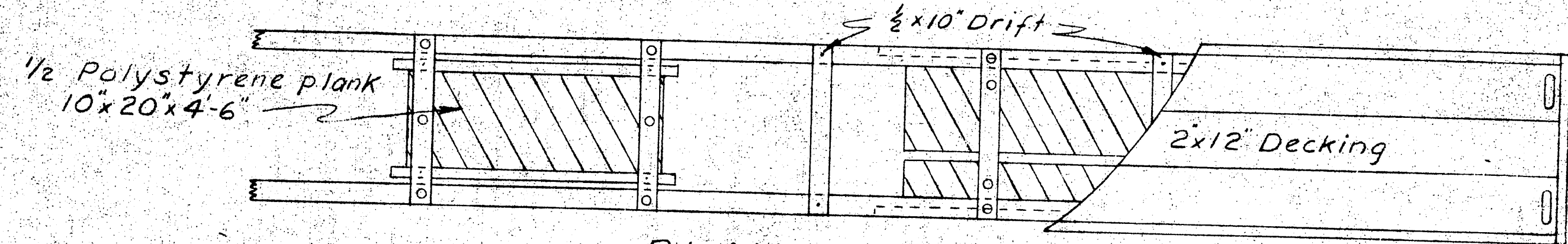


6' FLOAT ELEVATION

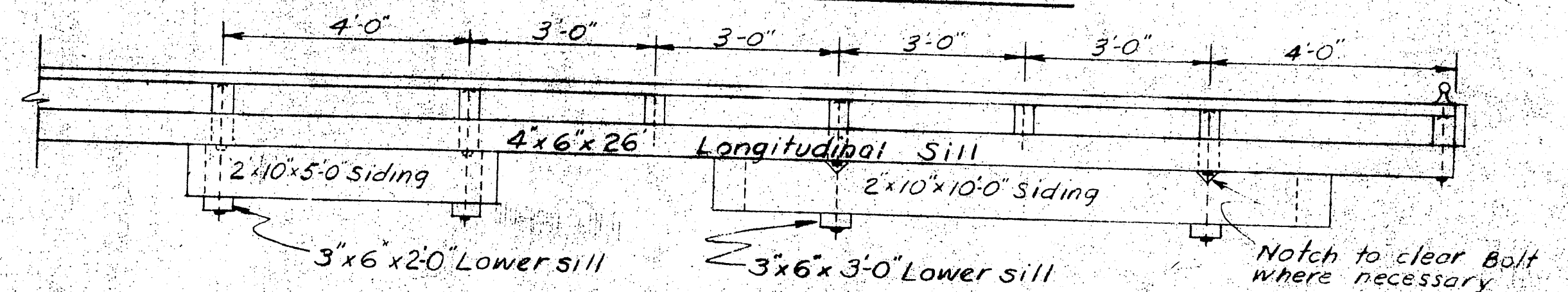


3x17' FLOAT ELEVATION

3' FLOAT SECTION



PLAN VIEW 3' x 23' FLOAT



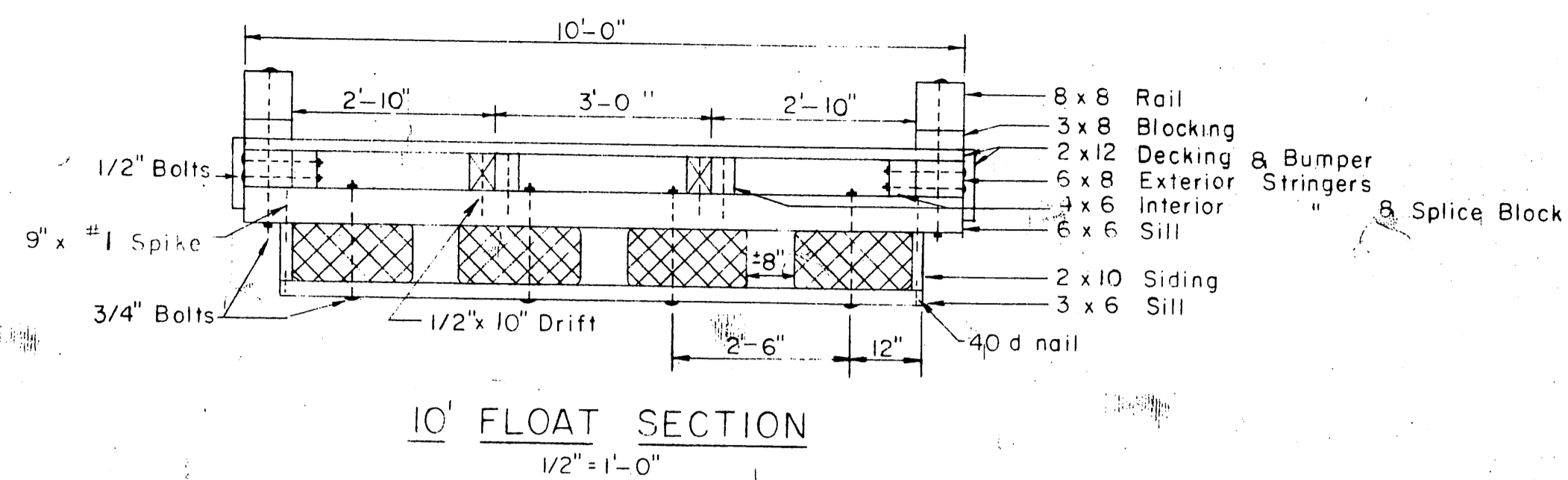
3' x 23' FLOAT ELEVATION

NOTES

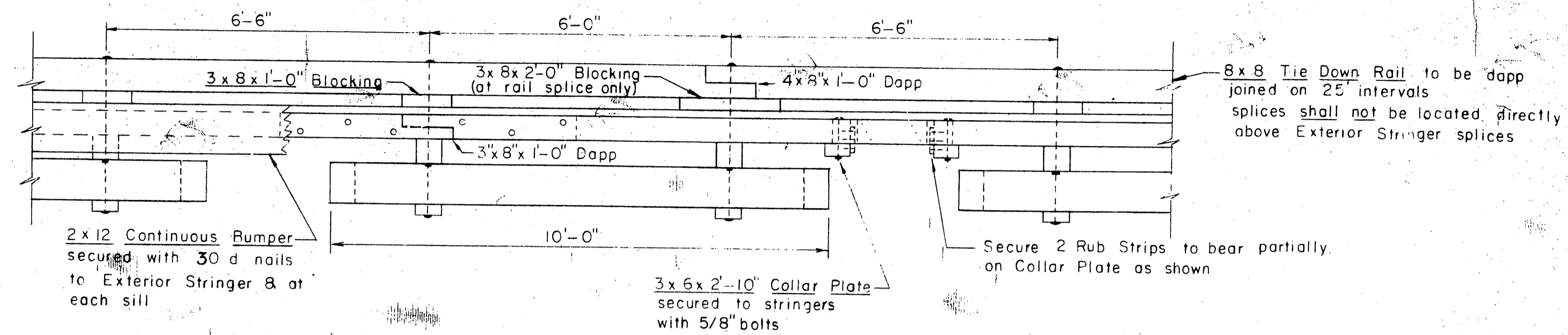
All hardware to be hot dip galvanized. A malleable washer shall be placed between all nut & wood surfaces. All bolts to be of the mushroom head type. Bolt holes to be drilled true size. Drift holes to be drilled 1/16" undersize. All drift holes shall be treated with hot creosote oil. All pressure treated creosote material shall be cut to size, prior to treatment. All bolts to be 5/8" unless otherwise specified. 6' float shall be connected to main float with the typical connection detail as shown.

ITEM	GRADE	DRESSING	TREATMENT	TYPE
Piling	Class "A"		12" Ret.	Douglas Fir.
3x6 & 4x6 Sills	Constr.	Rough	" "	" "
2x10 Siding	"	"	" "	" "
6x6 Exterior Stringers	"	S-4-S	" "	" "
4x6 Interior Stringers	"	S-2-E	" "	" "
4x6 Splice Blocks	"	"	" "	" "
4x6 Longitudinal Stall Float Sills	"	"	" "	" "
4x6 Blocking	"	"	" "	" "
2x12 Decking	"	S-1-S-2-E	NONE	Sitka Spruce
2x8 Bumpers	"	S-4-S	"	"

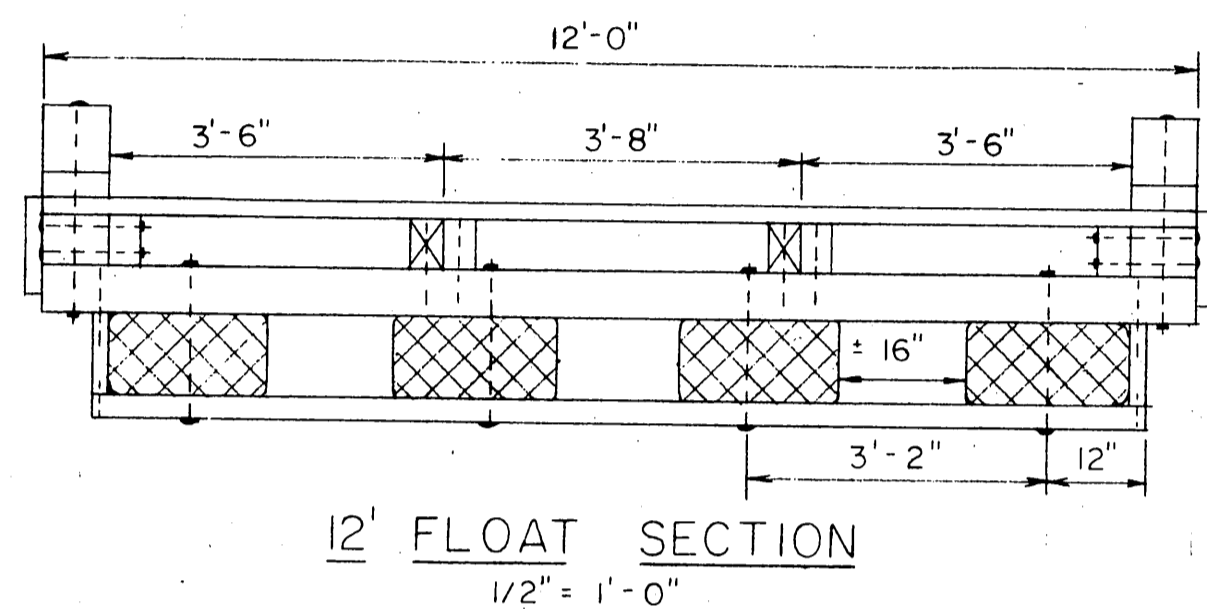
1	12' x 22' Stall Floats changed to 12' x 28'	9/2
NO DATE	REVISION	BY
STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS		
TYPICAL 6' FLOAT w/ INTEGRAL STALLS		
SCALE 3/4" = 1'-0"	DATE - Aug 1962	APPROVED <i>[Signature]</i> COMMISSIONER
PROJ. NO.	DRAWN BY <i>[Signature]</i> CHECKED BY <i>[Signature]</i>	



10' FLOAT SECTION  
1/2" = 1'-0"

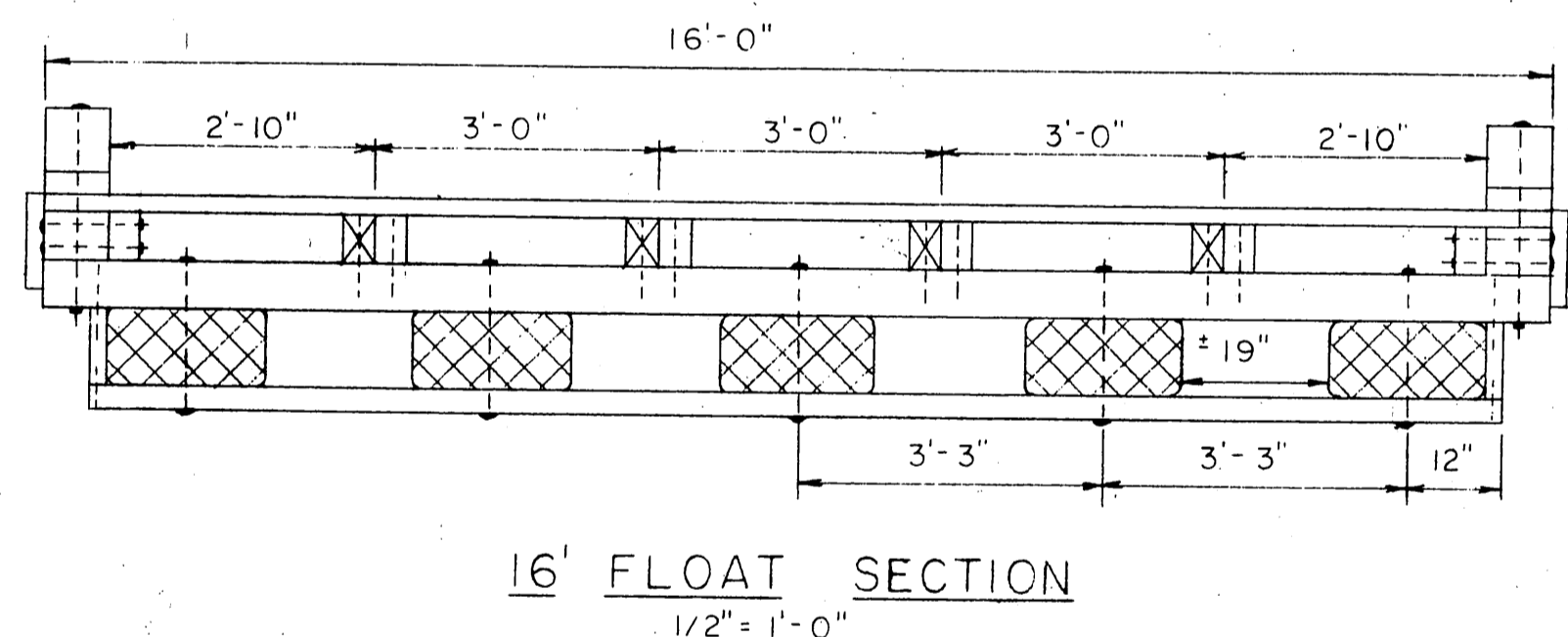


ELEVATION  
1/2" = 1'-0"

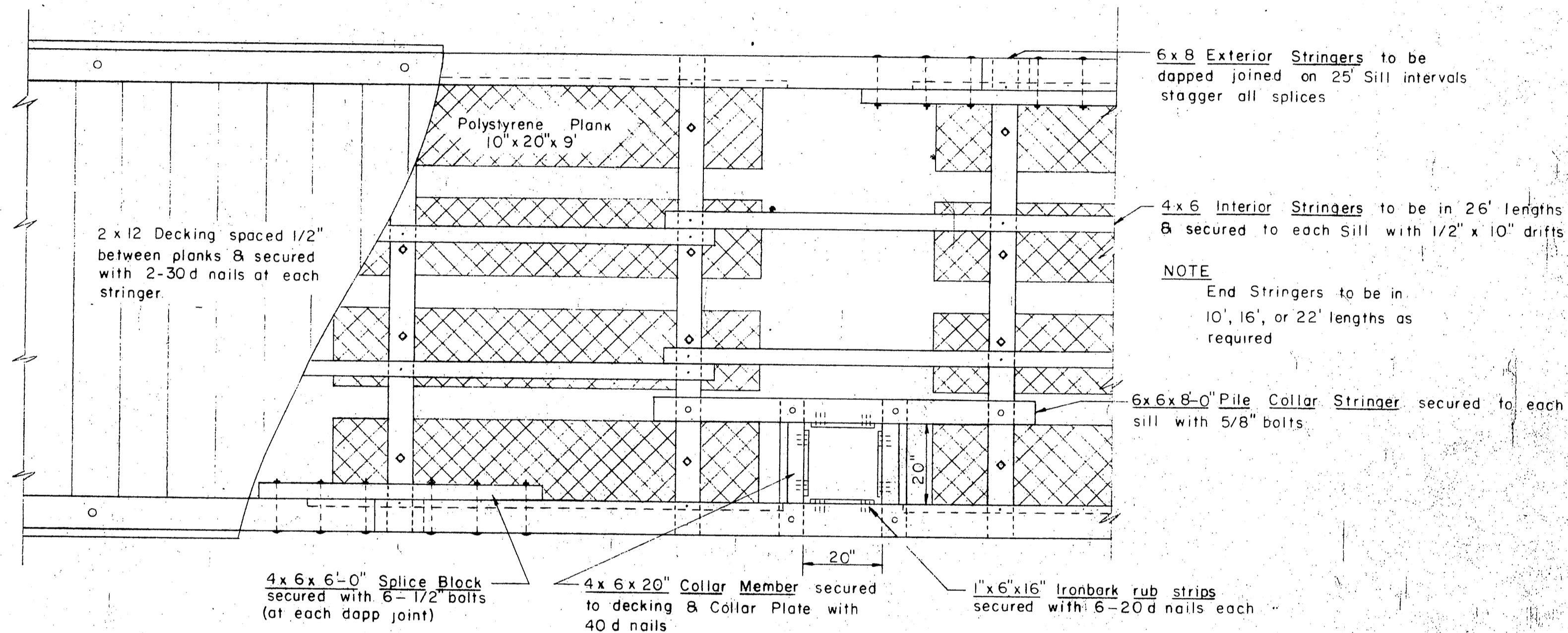


12' FLOAT SECTION  
1/2" = 1'-0"

NOTE  
12' & 16' Float construction shall conform to 10' Float construction except as noted.

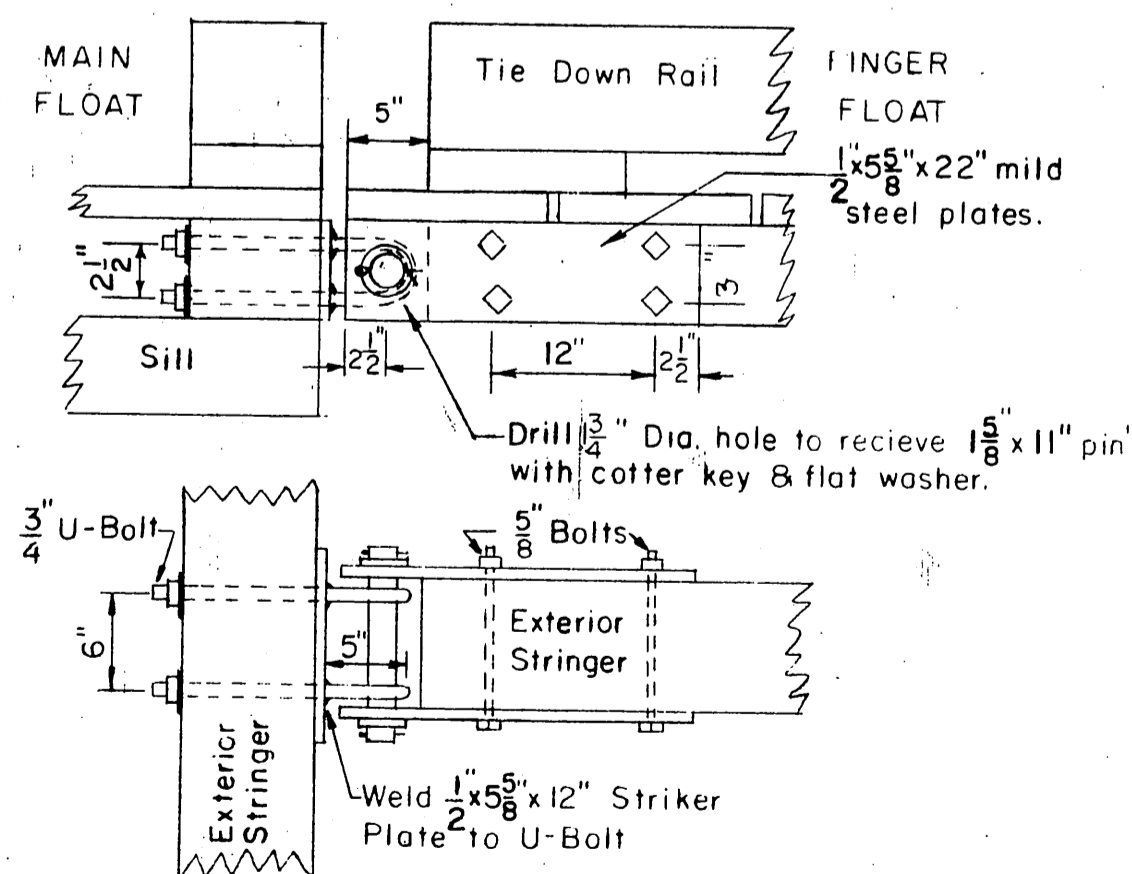


16' FLOAT SECTION  
1/2" = 1'-0"

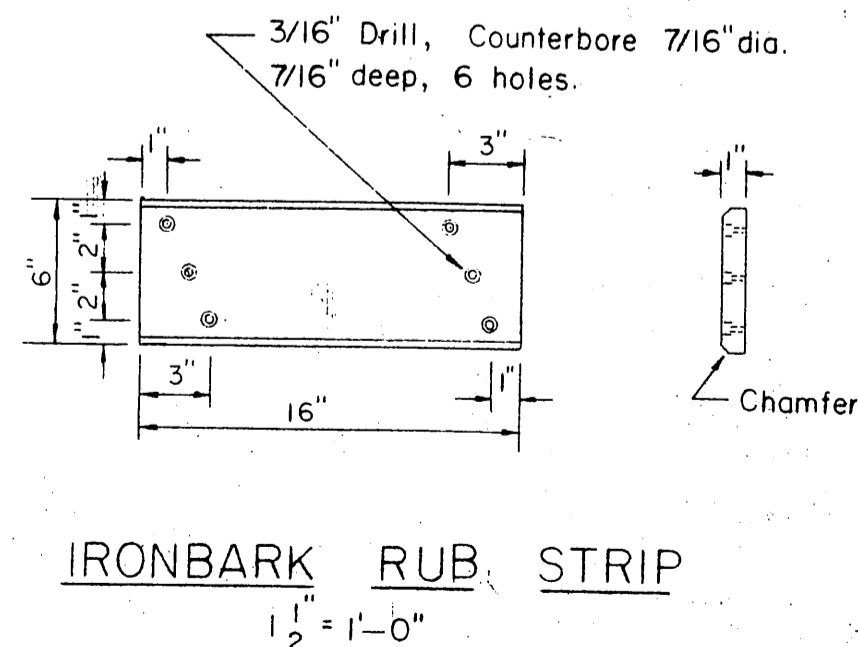


PLAN VIEW 10' FLOAT  
1/2" = 1'-0"

NOTES  
All hardware to be hot dip galvanized. A malleable iron washer shall be placed between all nut & wood surfaces. All bolts to be of the mushroom head type. Bolt holes to be drilled true size. Drift holes to be drilled 1/16" undersize. All drill holes shall be treated with hot creosote oil. All pressure treated creosote material shall be cut to size prior to treatment. Tie Down Rail & Blocking contact surfaces shall be treated with asphaltic roofing compound. An additional Polystyrene Plank shall be incorporated into each of the nearest 2 float sections, wherever gangway rests on float. A 2x10 End Plate shall be securely nailed to float Siding members on all exposed float ends. Tie Down Rail shall be extended across all float ends. Floatation Plank bolt holes in all Sills & splice holes in all Exterior Stringers, to be drilled prior to treatment. An additional half floatation plank (10' x 10' x 9') shall be added to the last floatation section on all float ends.



CONNECTION DETAIL  
1" = 1'-0"



IRONBARK RUB STRIP  
1/2" = 1'-0"

ITEM	MATERIALS		
	GRADE	DRESSING	CREOSOTE TREAT.
DOUGLAS FIR			
3x6 Sill	Construction	Rough	12 Lbs. Ret.
2x10 Siding	"	"	" " "
6x6 Sill	"	"	" " "
4x6 Interior Stringers	"	S 2 E	" " "
6x8 Exterior "	"	S 4 S	" " "
4x6 Splice Block	"	S 2 E	" " "
2x10 End Plate	"	Rough	" " "
2x12 Bumper	Construction	S 1 S	None
2x12 Decking	"	"	"
3x8 Blocking	"	S 4 S	"
8x8 Rail	"	"	"

All piling will be Class A, creosoted to 12" retention  
\* May be resawn to standard dressed dimensions

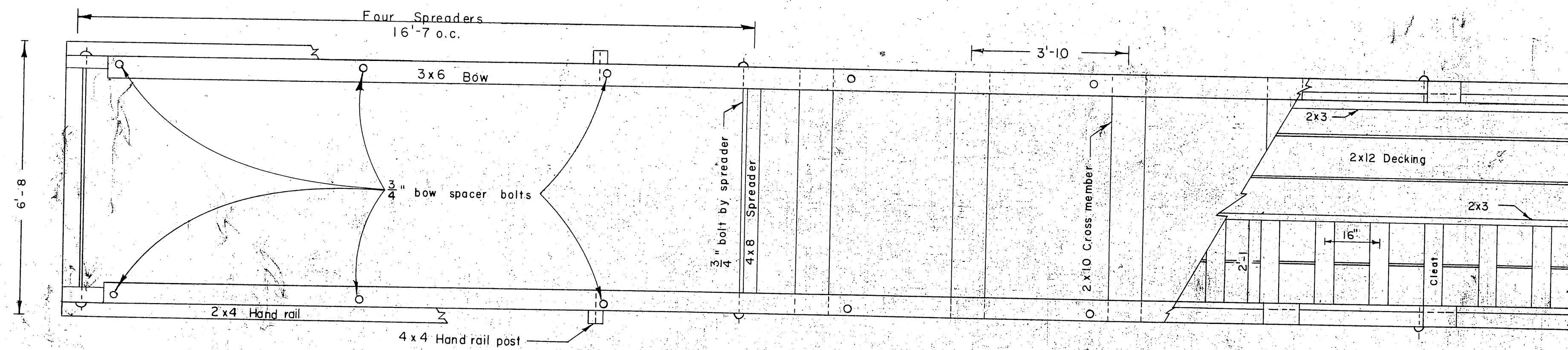


STATE OF ALASKA  
DEPARTMENT OF PUBLIC WORKS  
DIVISION OF WATER AND HARBORS

TYPICAL FLOATS

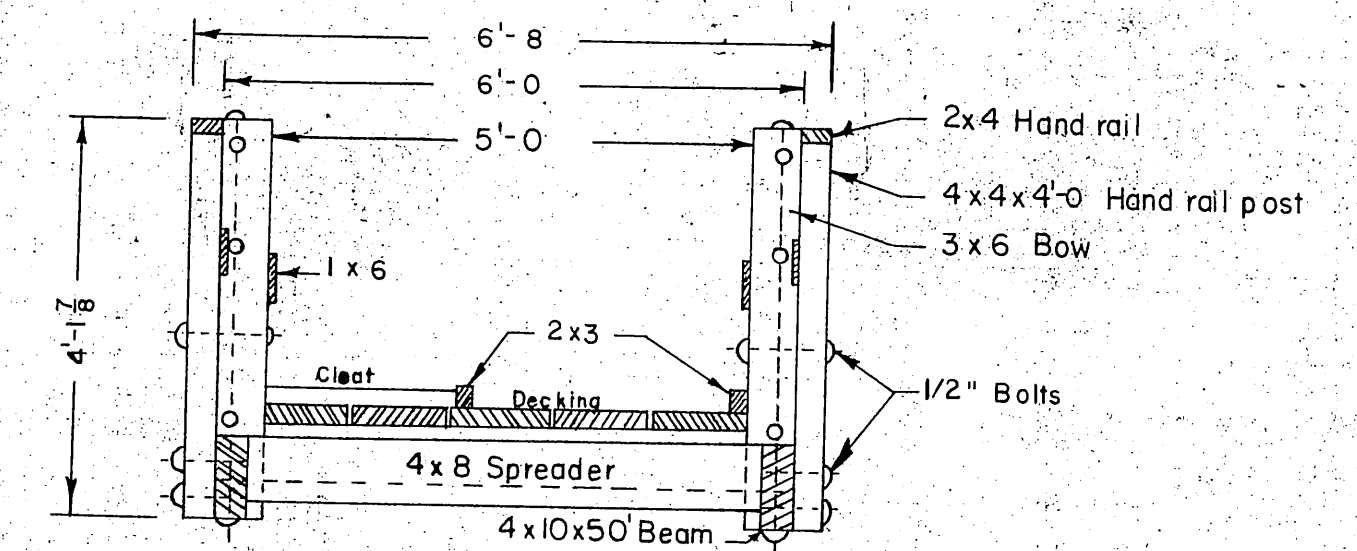
SCALE As Shown  
DATE June 1962  
PROJ. NO. \_\_\_\_\_  
SURVEYED BY \_\_\_\_\_  
DRAWN BY DS  
CHECKED BY DS

APPROVED *R. B. Howard*  
COMMISSIONER



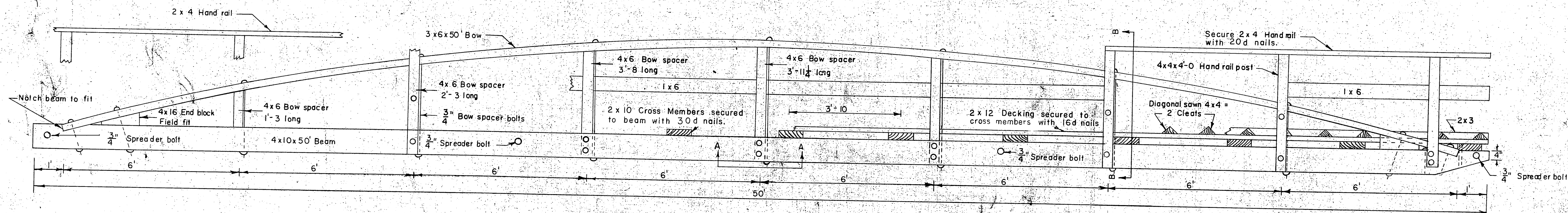
PLAN

1/2" = 1'



SECTION B-B

1/2" = 1'

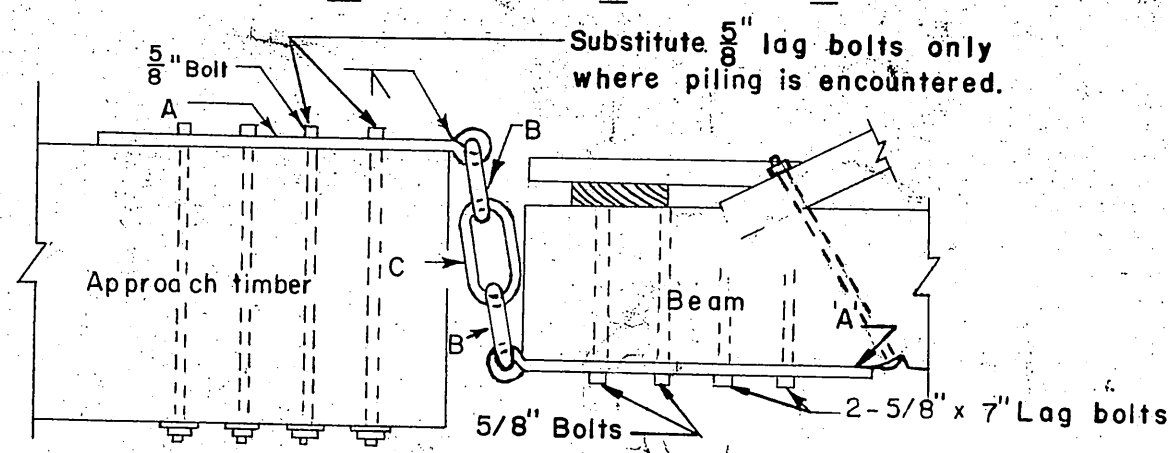
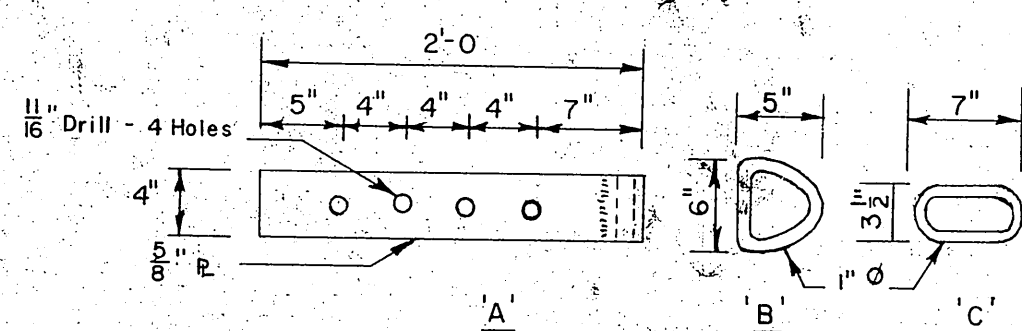


SIDE ELEVATION

1/2" = 1'

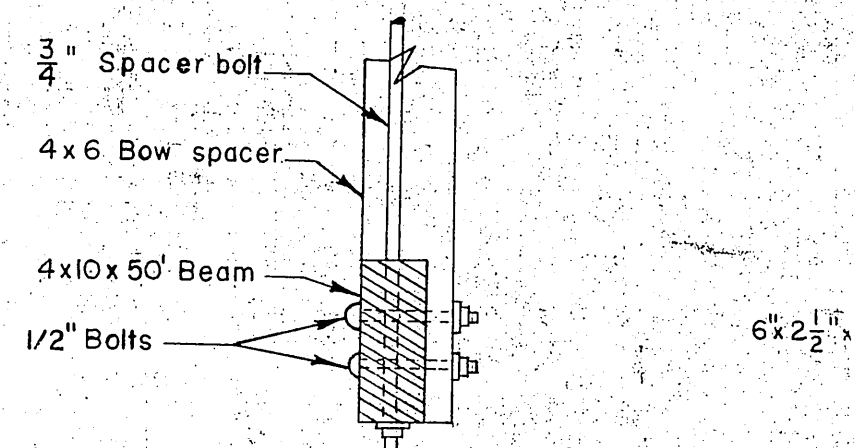
NOTE

Section A-A applies only to the 3 center Bow Spacers. Remaining 4 Bow Spacers are flush with top of beam. Bow Spacer heights are centerline measurement.



HANGER DETAIL

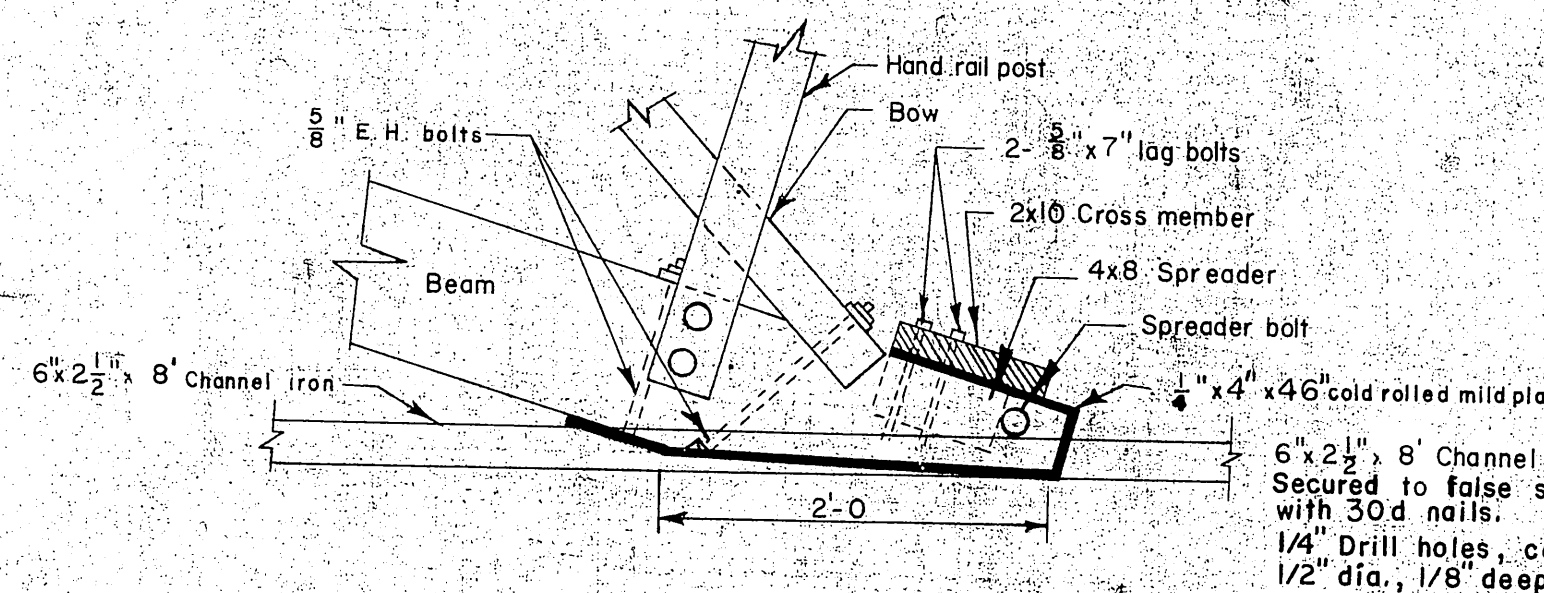
1" = 1'



SECTION A-A

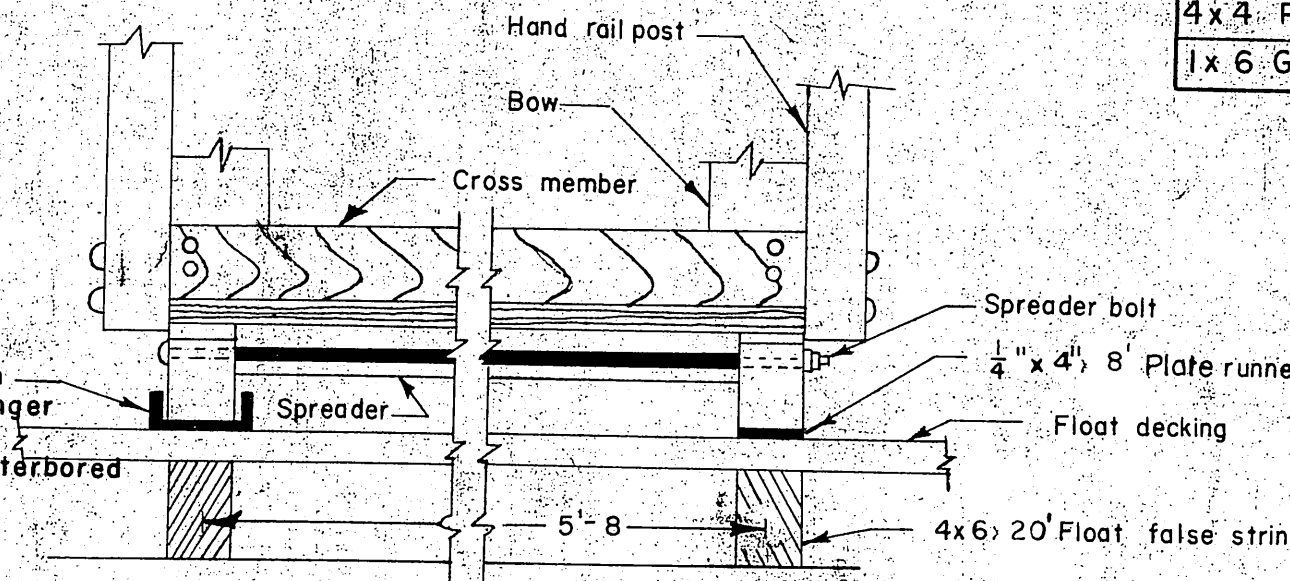
BOW SPACER-BEAM CONNECTION

1" = 1'



SIDE VIEW

1" = 1'



END VIEW

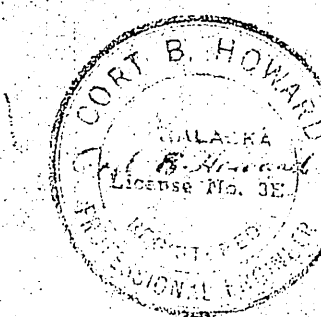
GANGWAY - FLOAT CONNECTION

1" = 1'

MATERIALS				
ITEM	GRADE	DRESSING	TREATMENT	MATERIALS
4x10 Beams	Select Struct.	Rough	Creo 10 <sup>th</sup> ret.	Douglas Fir
3x6 Bow	"	"	S4S	Wolman Salt 5 <sup>th</sup> c.f.
4x6 "Spacer	Construction	"	"	"
2x10 Cross Member	"	Rough	"	"
4x8 Spreader	"	Rough	"	"
2x12 Decking	"	S1S2E	"	"
4x4 Cleats	"	Rough	"	"
2x3 Runners	"	"	"	"
2x4 Handrail	"	S4S	"	"
4x4 Posts	"	"	"	"
1x6 Girts	"	"	"	"

NOTES

All material shall be cut to size prior to treatment. All hardware to be hot dipped galvanized. All bolts to be of the mushroom headed type. A malleable iron washer to be placed between nut & wood surfaces. Lag bolts to be gimlet pointed. All cuts & notches shall be treated with asphaltic roofing compound.



NO	DATE	REVISION	BY
ALASKA DEPARTMENT OF PUBLIC WORKS			
DETAIL FLOAT GANGWAY			
SCALE As Shown	DATE July 21, 1960	FILE NO	APPROVED R.A. Downing COMMISSIONER
SURVEYED BY	DRAWN BY MGR. CHECKED BY RPH		

SHEET NO. of SHEETS