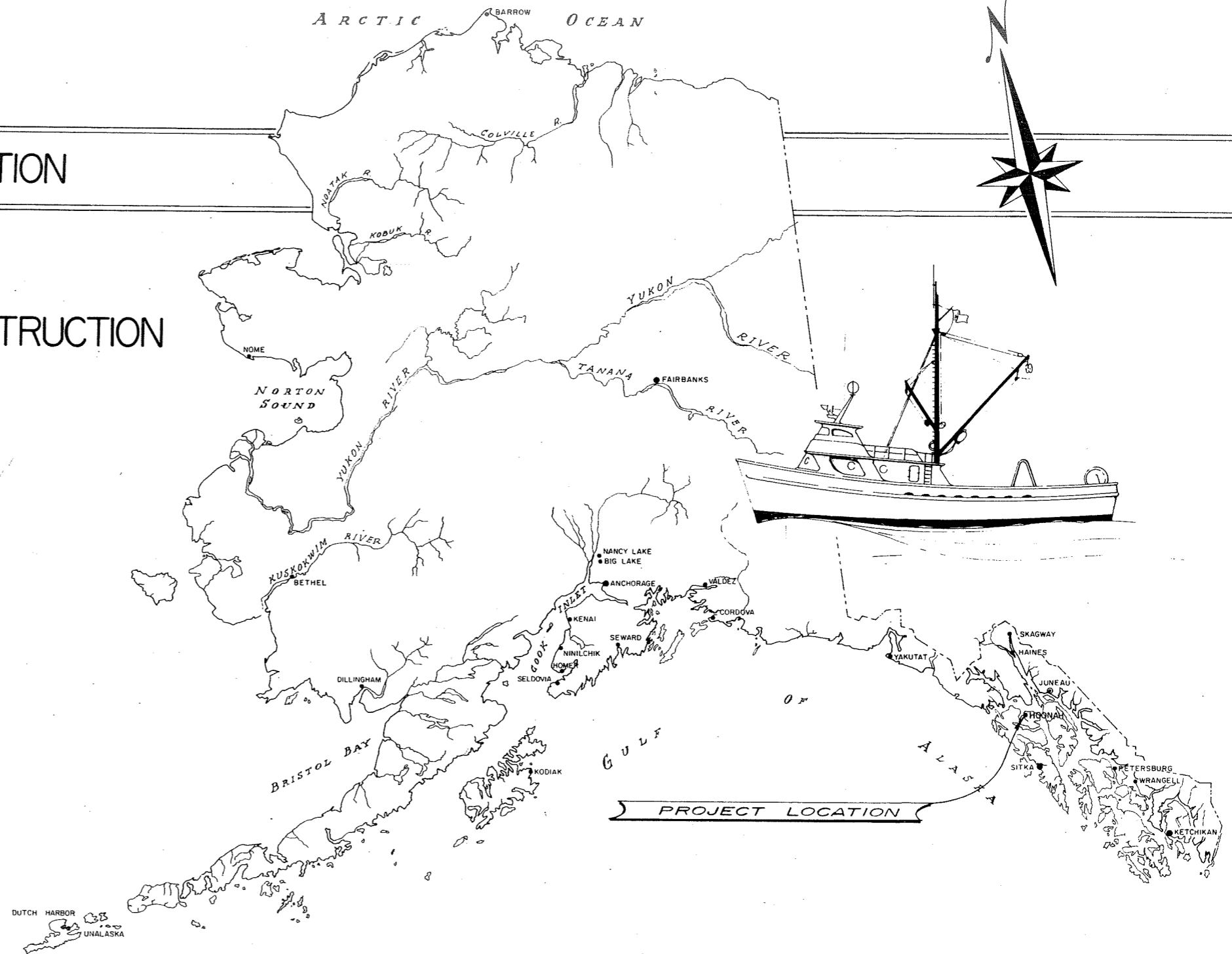


HOONAH SEAPLANE FACILITY RELOCATION

PROJECT NO.3-73114

HOONAH FLOAT FACILITY RECONSTRUCTION



WORK SUMMARY

SEAPLANE FLOAT RELOCATION, PROJECT NO. 4-72114:

Major units of this project include pulling & salvaging 13 dolphin & float piling, redriving 4-3 pile dolphins, redecking and relocating 36' x 48' Seaplane float, construction of a 12' x 188' timber approach structure, a 6' x 50' gangway. Alternate item A will be flotation replacement in the Seaplane float.

EXISTING FLOAT FACILITY RECONSTRUCTION, PROJECT NO. 3-73114:

Major units of this project shall include reconstruction of the 10' x 208' timber approach structure, removal & disposal of existing float & gangway, pulling of 12 float piles, construction & installation of a 12' x 75' timber float & a 6' x 50' gangway, & furnishing & driving 3 piles. Alternate B includes replacement of additional facilities at the City Float.

INDEX TO SHEETS

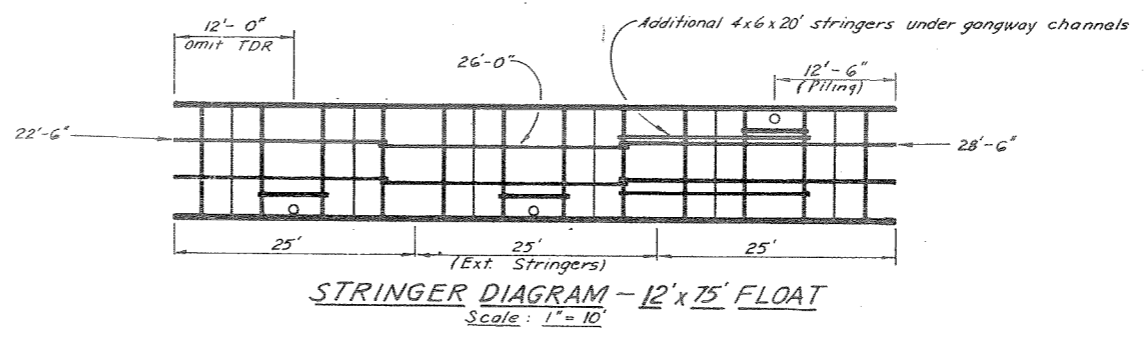
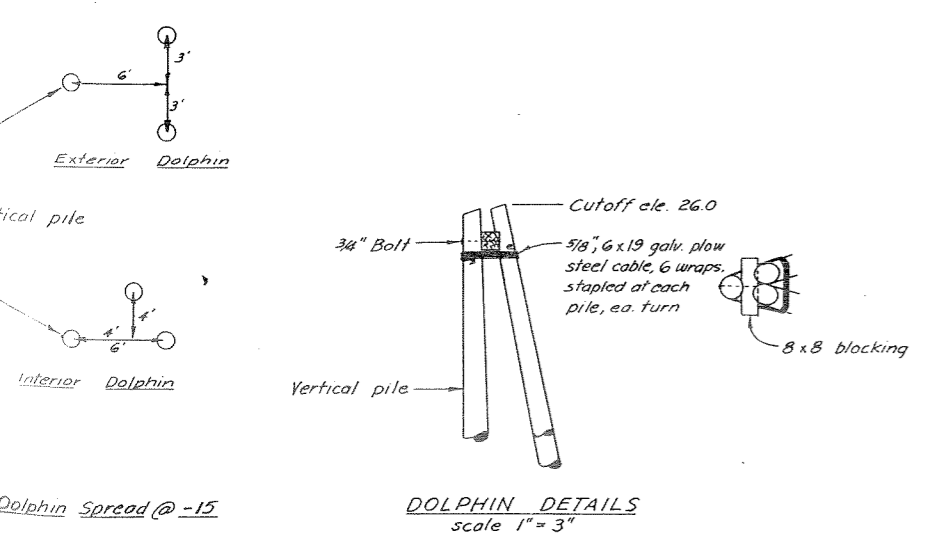
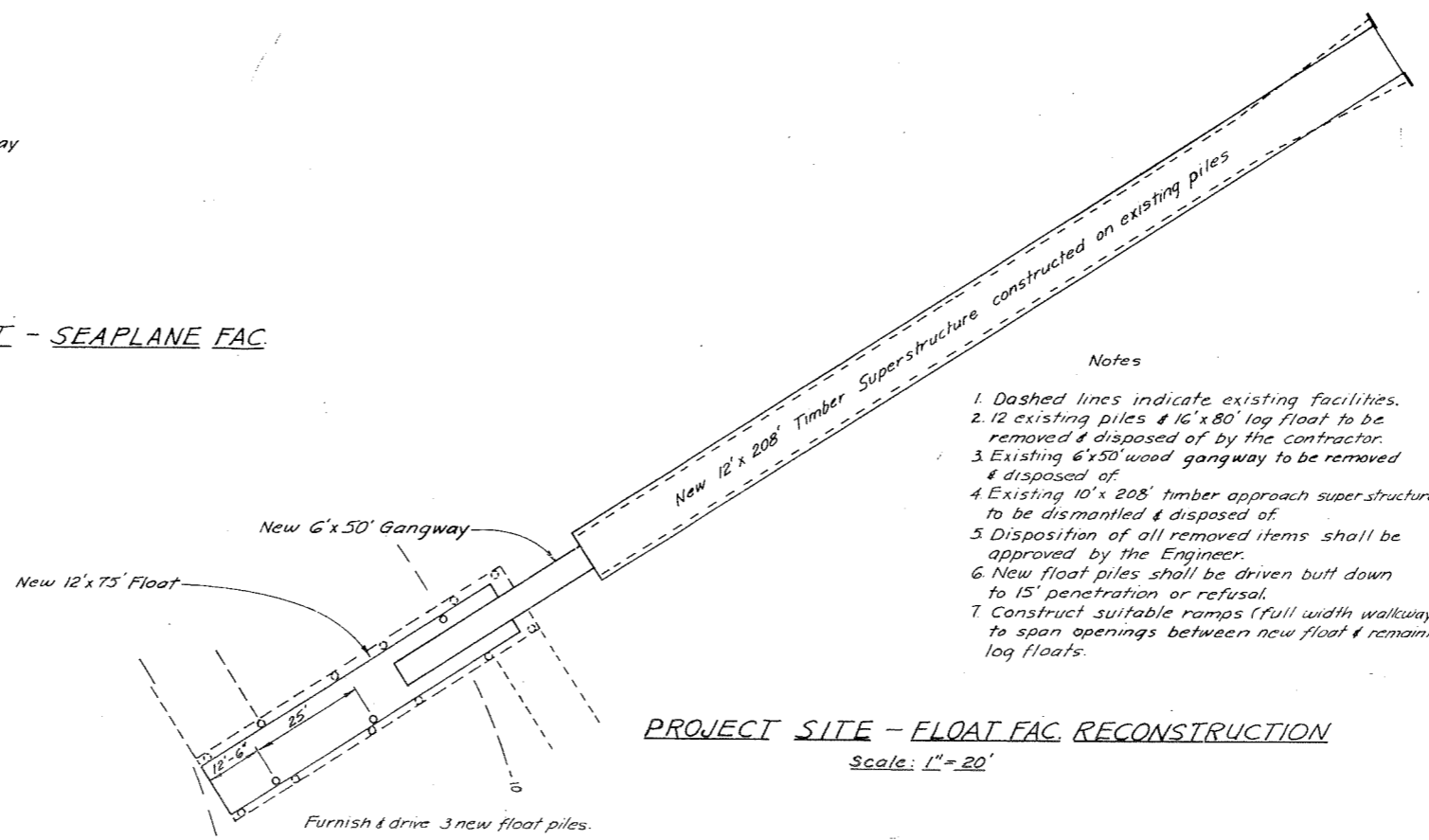
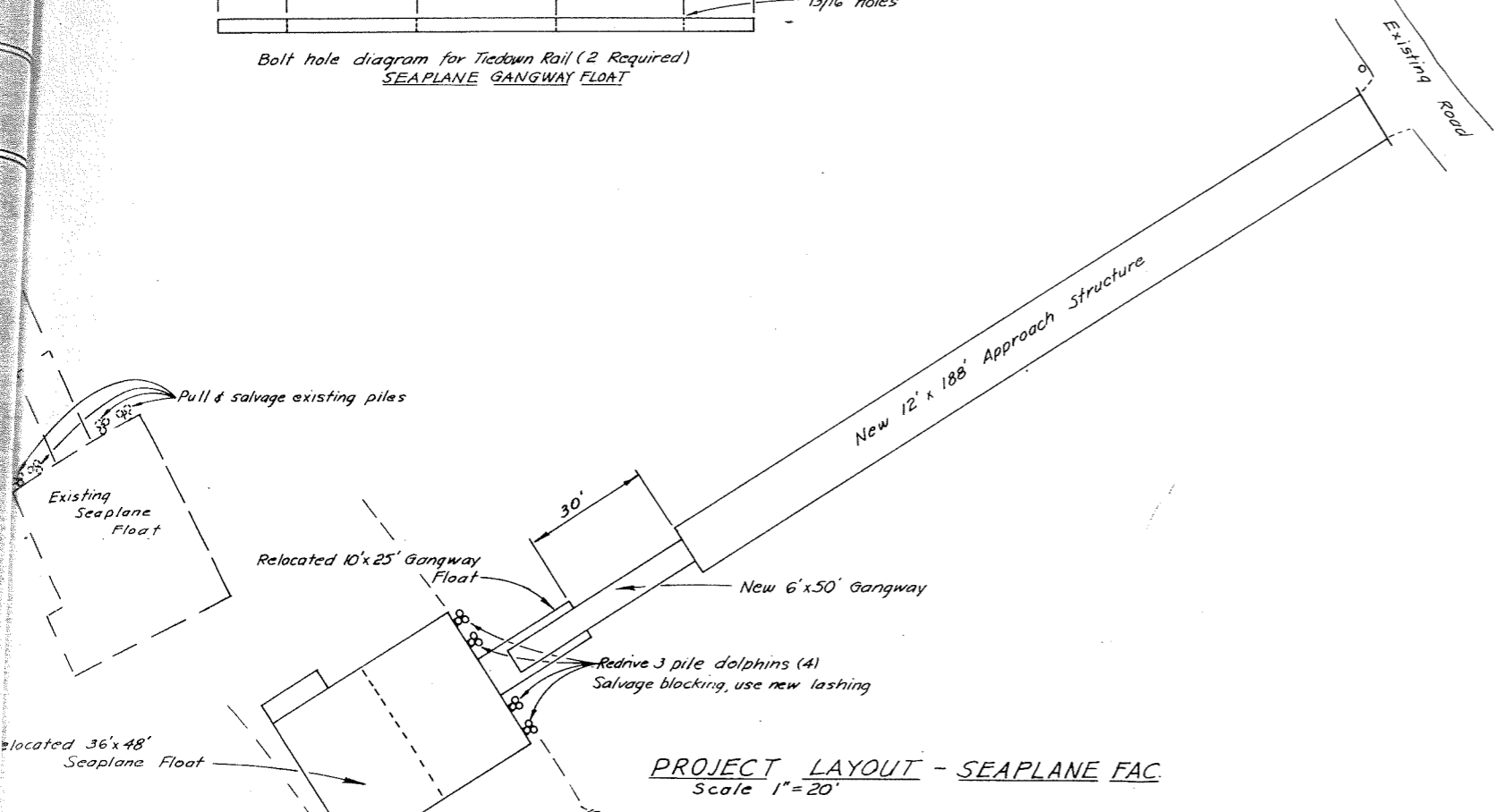
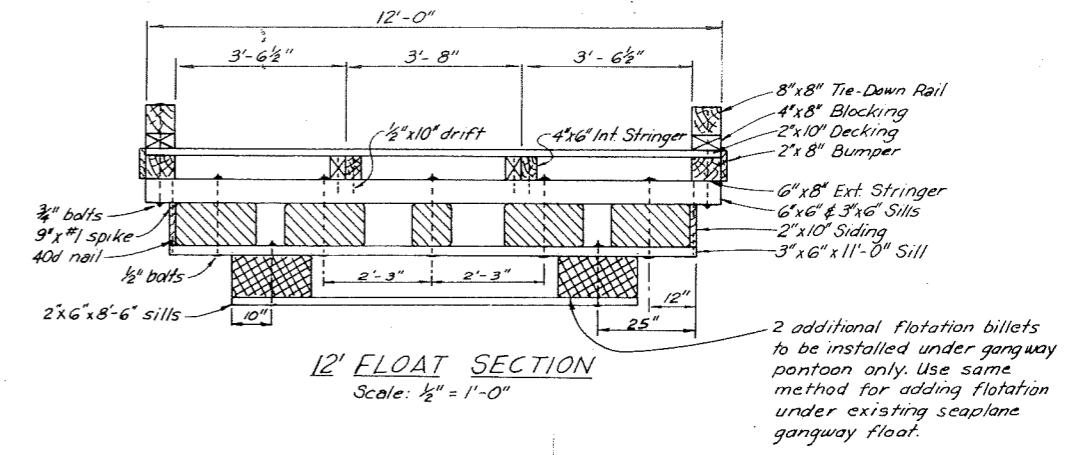
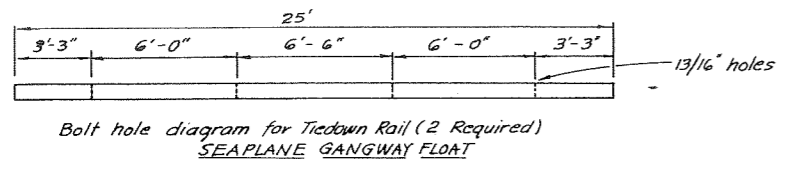
1	TITLE & LOCATION	7	ASBUILT SEAPLANE FLOAT
2	PROJECT LAYOUT-MISC. DETLS	8	ALTERNATE "B" CONSTR. DETLS
3	TYPICAL 12' APPROACH		
4	EXISTING APPROACH RECONST.		
5	TYPICAL FLOAT		
6	" STEEL GANGWAY		

APPROVED

Don Stettin
DIRECTOR

DATE - 4/24/72

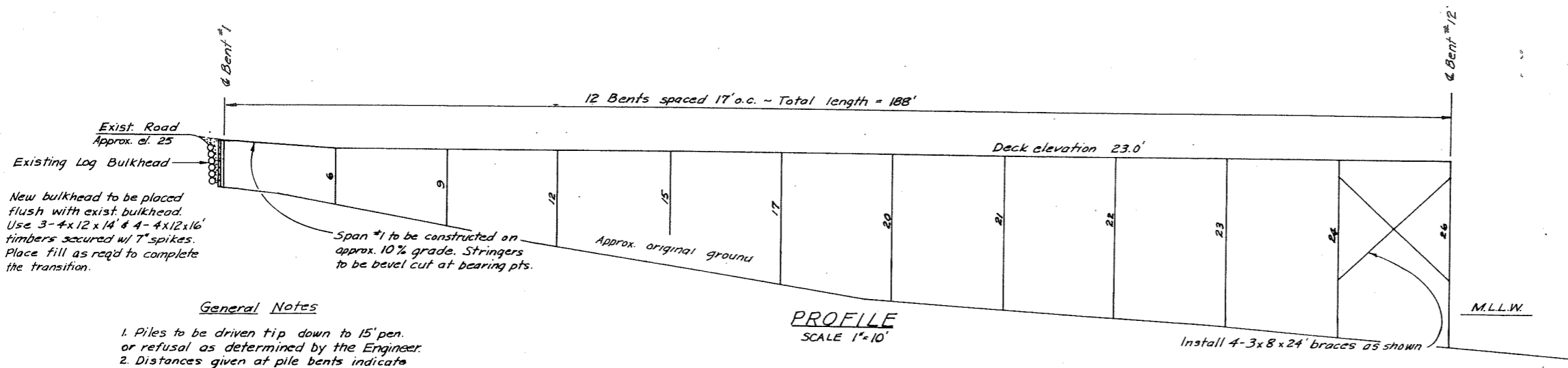
SHEET 1 OF 8



1. Exterior stringers to be spliced at same locations as tiedown rails (TDR)
2. Distances given are c.to.c. of dapp or butt end, except int. stringers are given full length.

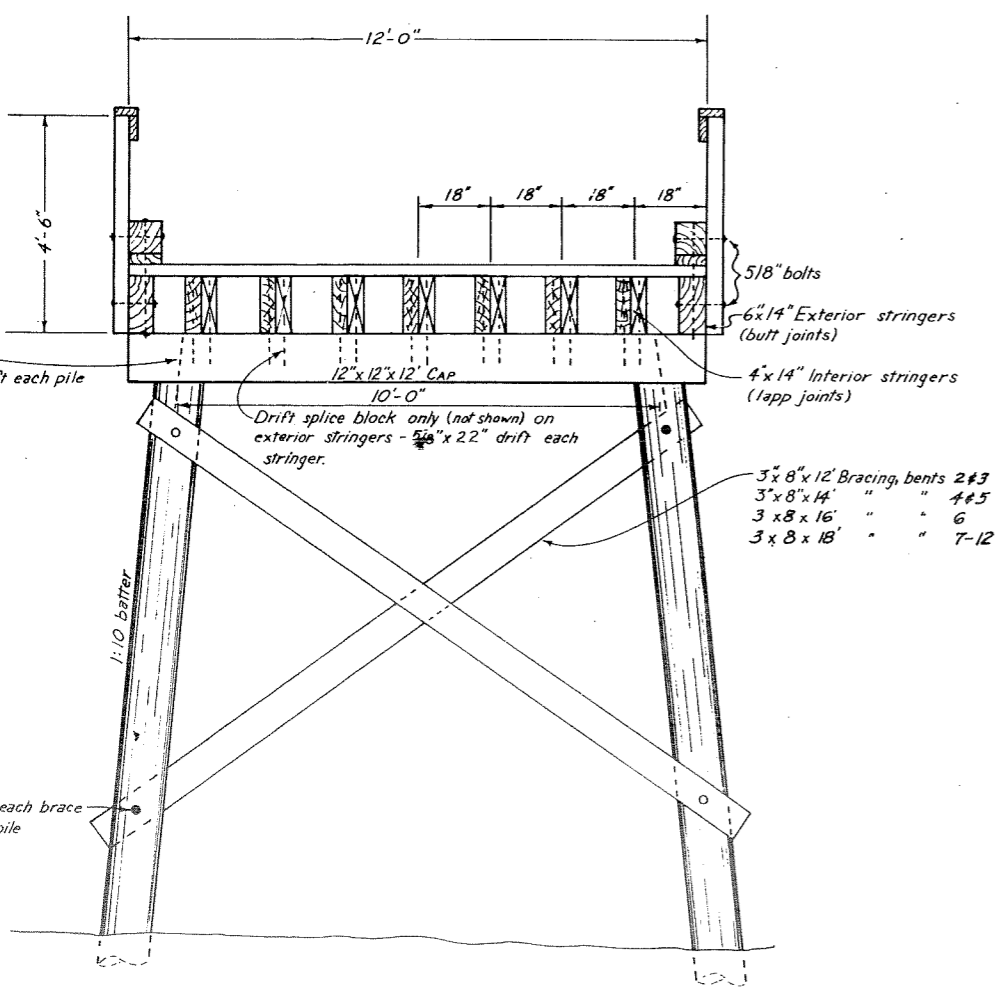
DO NOT SCALE THIS DRAWING - USE DIMENSIONS		
STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS		
PROJECT LAYOUT - MISC. DET'L'S		
SCALE <i>As shown</i>	SURVEYED	APPROVED
DESIGNED <i>DCW</i>	DRAWN <i>DCW</i>	<i>Don Statter</i> DIRECTOR
CHECKED	DATE <i>2-25-72</i>	
PROJECT	<i>3-73114</i>	SHEET <i>2</i> OF <i>8</i>

SEAPLANE APPROACH

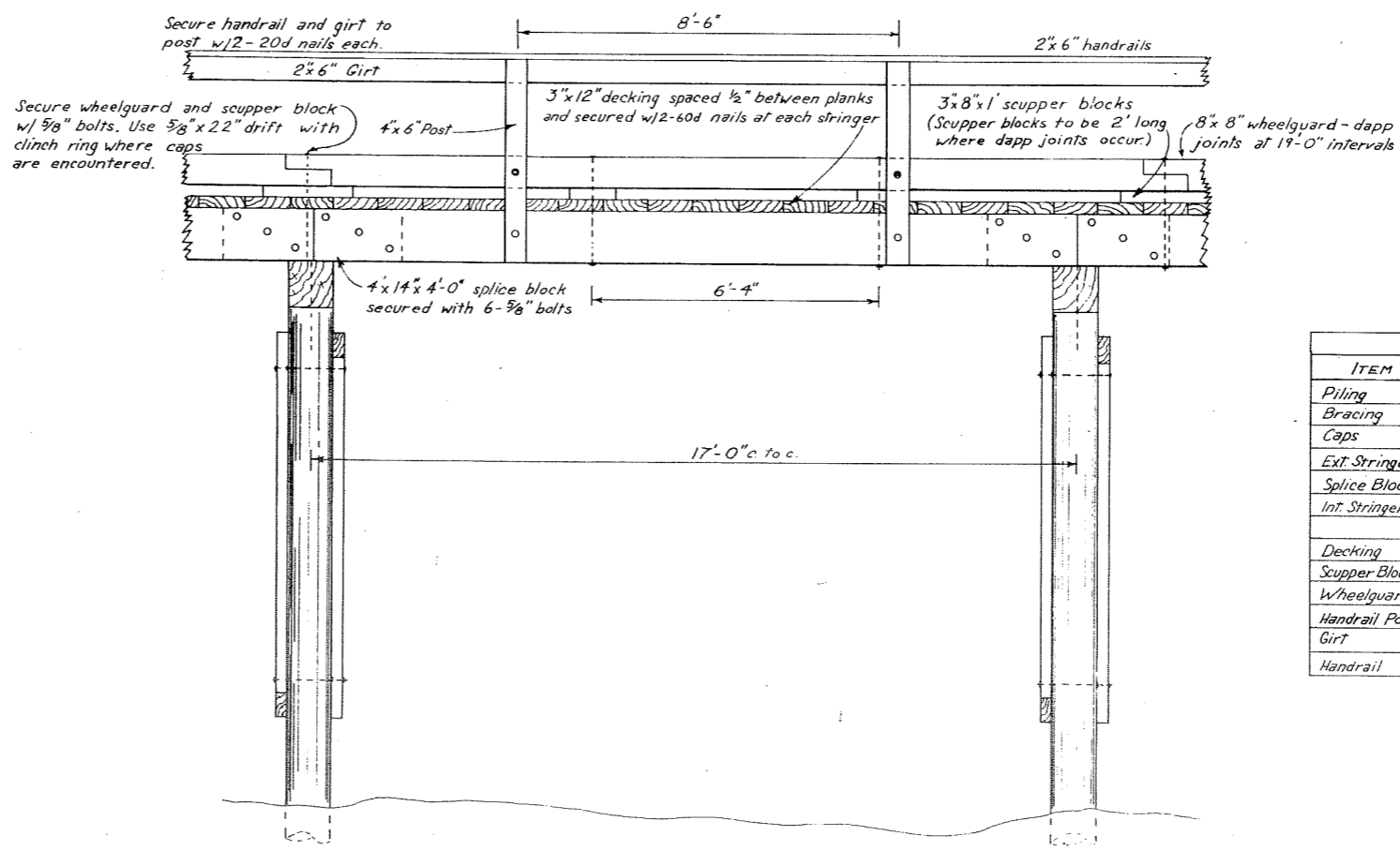


General Notes

1. Piles to be driven tip down to 15' pen. or refusal as determined by the Engineer.
2. Distances given at pile bents indicate approx. length of pile from ground to cutoff.



TYPICAL APPROACH SECTION
Scale 1/2"=1'-0"



TYPICAL APPROACH ELEVATION
Scale 1/2"=1'-0"

NOTES

All hardware to be galvanized w/malleable iron washers between nut & wood surfaces. All bolts to be of mushroom head type. Bolt holes to be drilled 1/16" oversize. Drift holes to be drilled 1/16" undersize. All drill holes to be treated with hot creosote oil. All pressure treated creosote material shall be cut to size prior to treatment.

ITEM	MATERIALS			TYPE
	GRADE	DRESSING	CREO. TREAT	
Piling	Class B		12" Ret.	Douglas Fir
Bracing	Construction	Rough	"	"
Caps	"	S+S	8" Ret.	"
Ext. Stringers	"	"	"	"
Splice Blocks	"	S2E	"	"
Int. Stringers	"	"	"	"
Decking	"	SIS2E	"	"
Scupper Block	"	S+S	"	"
Wheelguard	"	"	"	"
Handrail Post	"	"	"	"
Girt	"	"	W.R. Pente	"
Handrail	"	"	W.R. Pente	"

DO NOT SCALE THIS DRAWING - USE DIMENSIONS.

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

TYPICAL 12'-0" APPROACH
CONSTRUCTION DETAILS

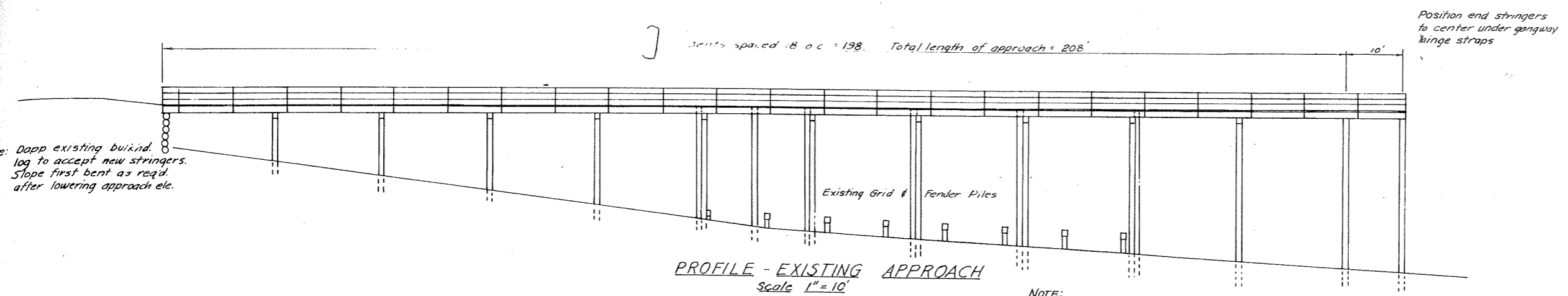
SCALE: As Shown
DESIGNED: D.W.
CHECKED: DATE 2-15-72

CURVED: DW
DRAWN: D.W.
DATE 2-15-72

APPROVED: Don Statter
DIRECTOR

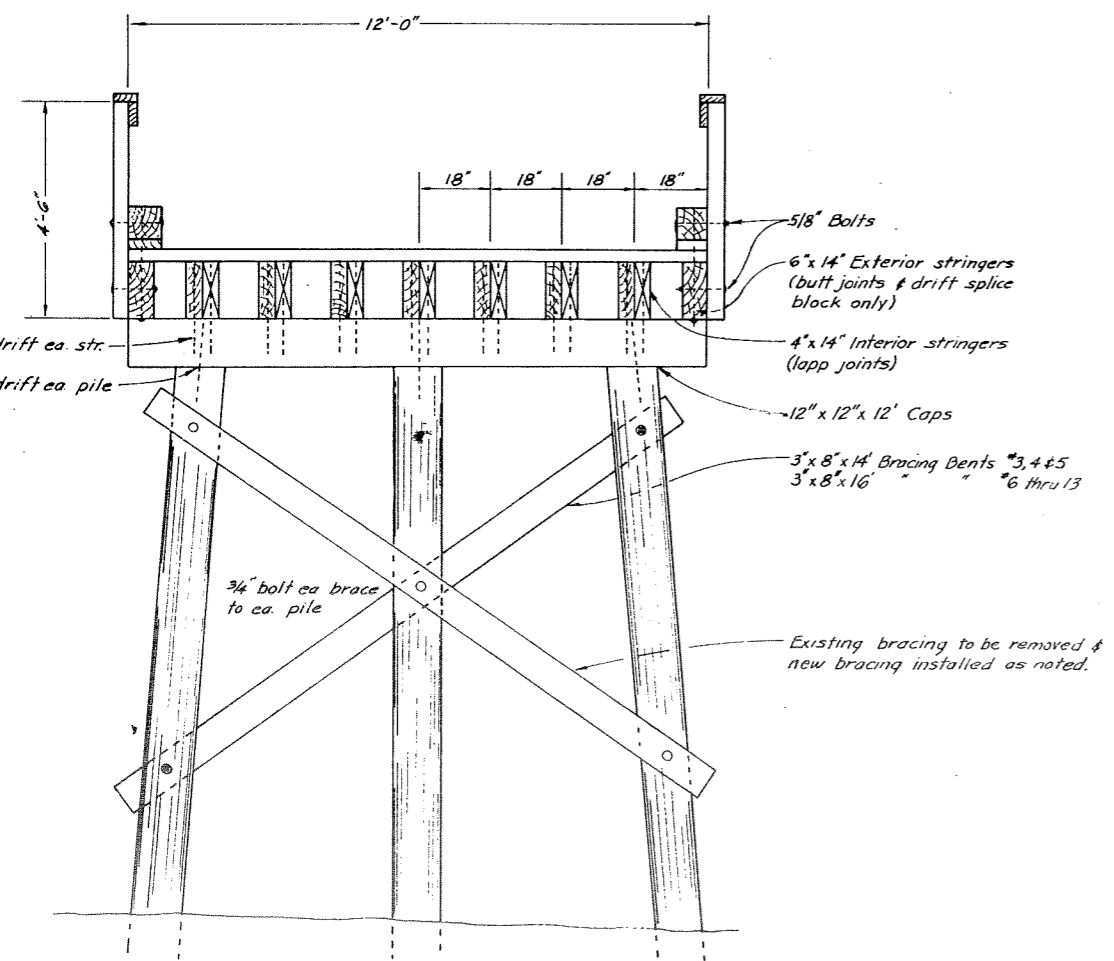
PROJECT: 8 7211 SHEET 3 OF 8

EXIST CITY FLOAT APPROACH

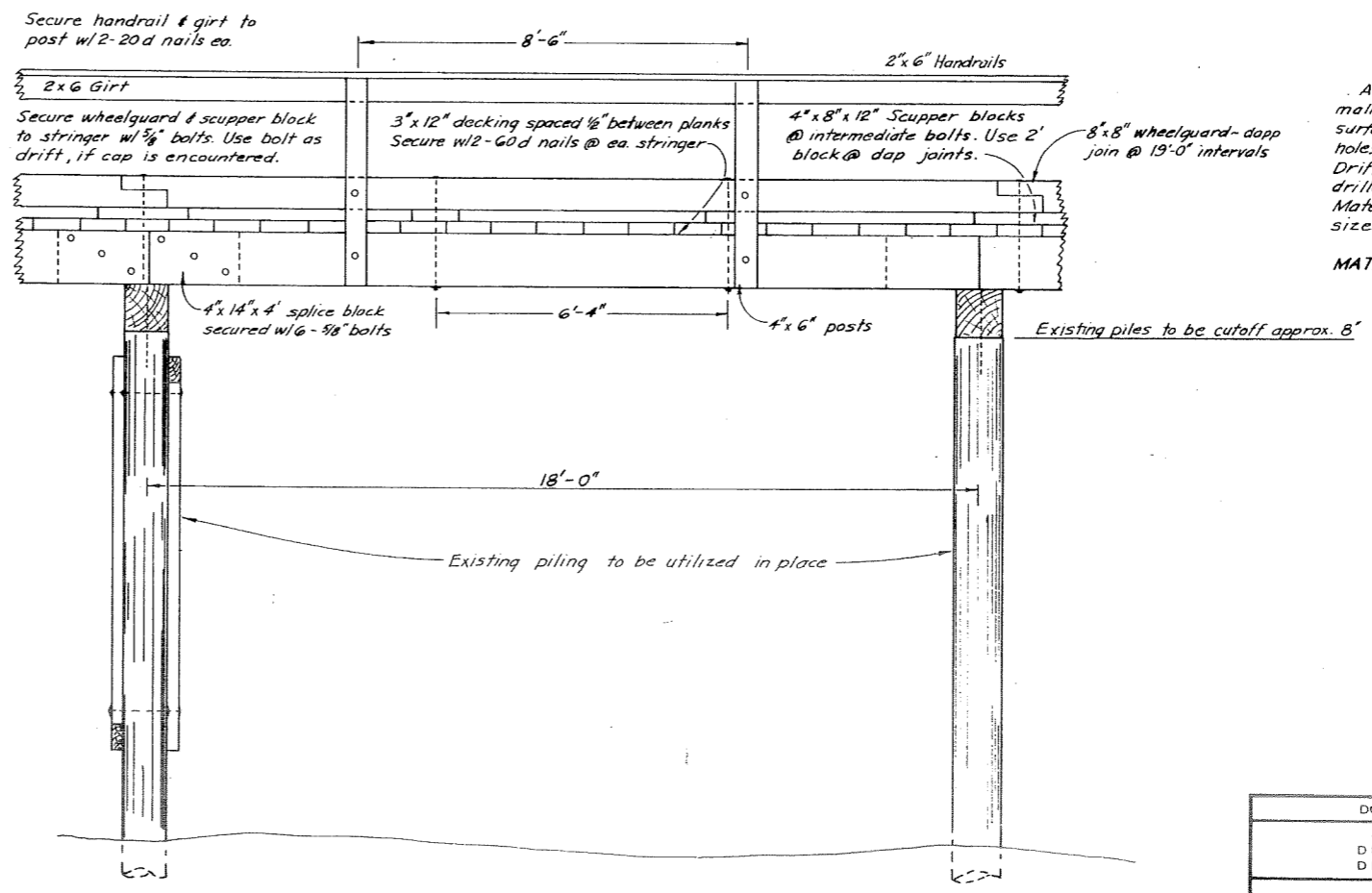


PROFILE - EXISTING APPROACH
Scale 1" = 10'

NOTE: Reposition grid fender piles to accommodate wider approach structure.



TYPICAL APPROACH SECTION
Scale 1/2" = 1'-0"

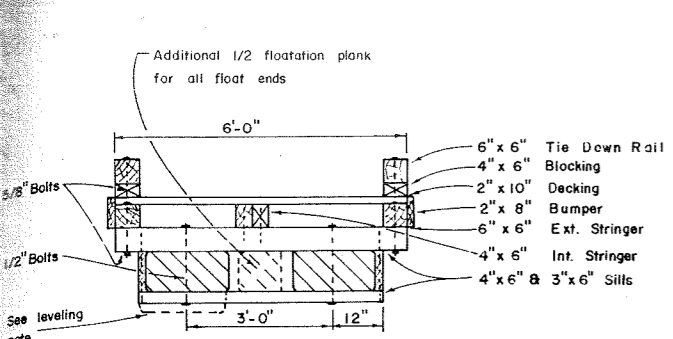


TYPICAL APPROACH ELEVATION
Scale 1/2" = 1'-0"

NOTES
All hardware to be hot dip galvanized with malleable iron washers between nut & wood surfaces. Bolts to be mushroom head type. Bolt holes to be drilled 1/16" oversize (prior to treat). Drift holes to be drilled 1/16" undersize. All field drilled holes to be treated w/ hot creosote oil. Material to be pressure treated shall be cut to size prior to treatment.

MATERIALS - See TYPICAL 12' APPROACH

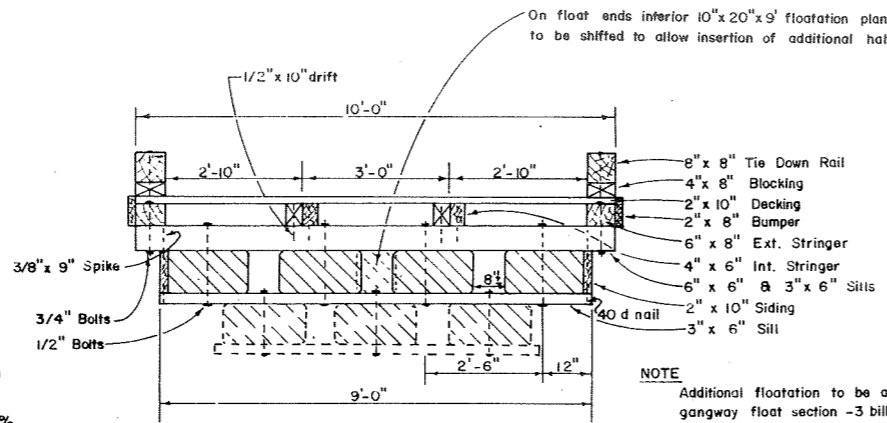
DO NOT SCALE THIS DRAWING - USE DIMENSIONS		
STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS		
EXISTING FLOAT FAC. APPROACH RECONSTRUCTION DET'LS		
SCALE <i>As Shown</i>	SURVEYED	APPROVED
DESIGNED <i>DEW</i>	DRAWN <i>DEW</i>	<i>Don Statter</i> DIRECTOR
CHECKED	DATE <i>2-15-72</i>	
PROJECT NUMBER <i>3-73114</i>	SHEET <i>4</i> OF <i>8</i>	



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

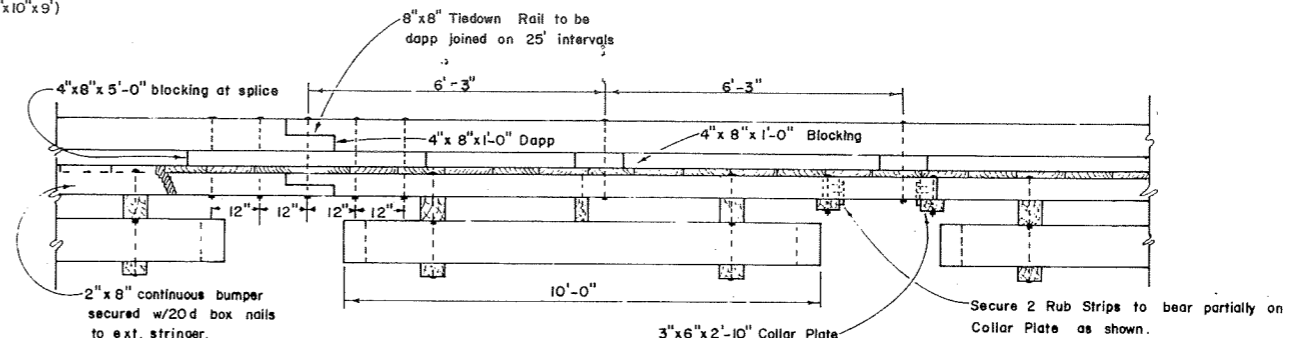
NOTE: 6' float construction shall conform to 10' float constr. except as noted.

Leveling note
5' x 20' x 4' to 5' leveling floatation shall be installed as directed by the Engr. (required on approx. 20% of the stall floats including 6' stall floats). Place floatation between lower sill members with the outer edge bearing on siding members (cut side up). Pin floatation together with 3/8" x 20" "all" pin (see detail, this sheet), 3 places, approx. equally spaced.

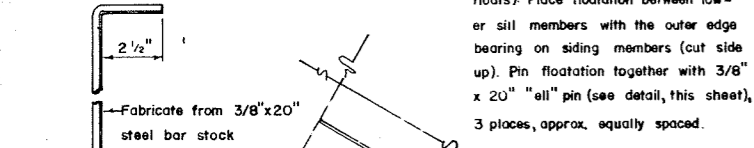


10' FLOAT SECTION
1/2" = 1'-0"

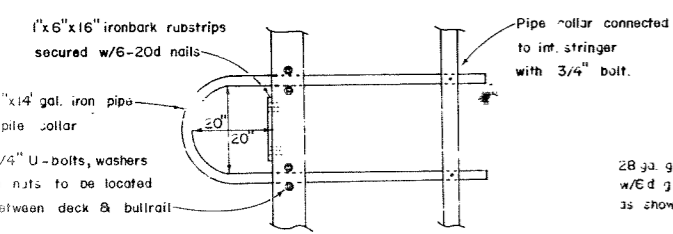
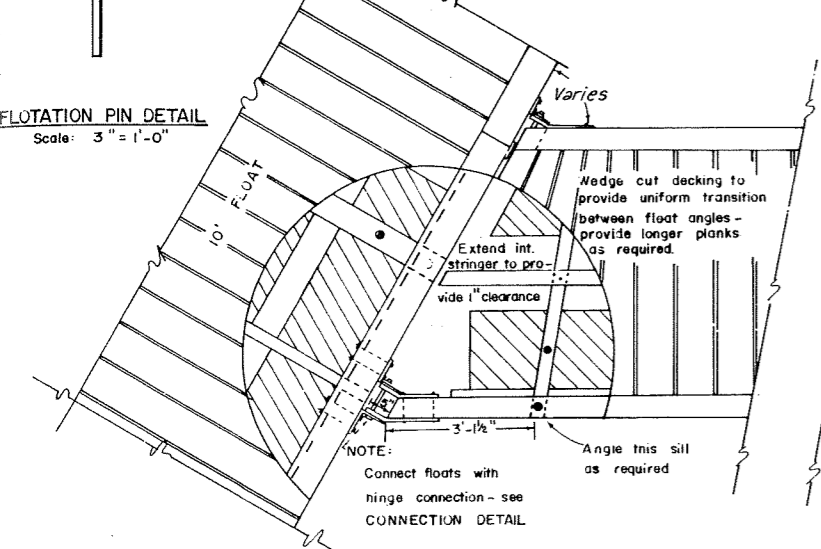
NOTE: Additional floatation to be added on gangway float section - 3 billets as shown timber gangway - 2 for steel gangway.



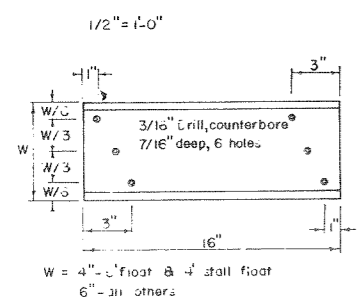
ELEVATION
1/2" = 1'-0"



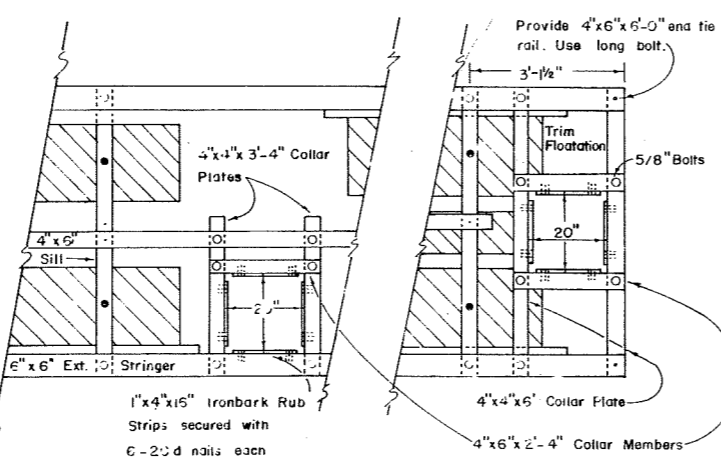
FLOTATION PIN DETAIL
Scale: 3" = 1'-0"



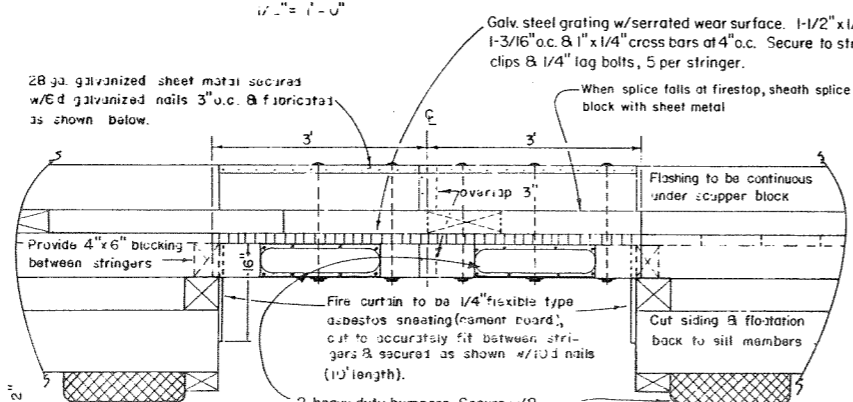
PIPE PILE COLLAR DETAIL
1/2" = 1'-0"



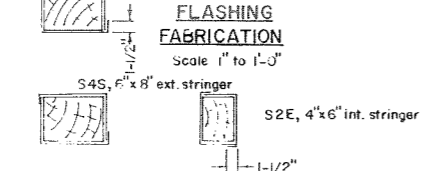
IRONBARK RUB STRIP
1" = 6"



CONNECTION & COLLAR DETAIL
6' STALL FLOAT
1/2" = 1'-0"

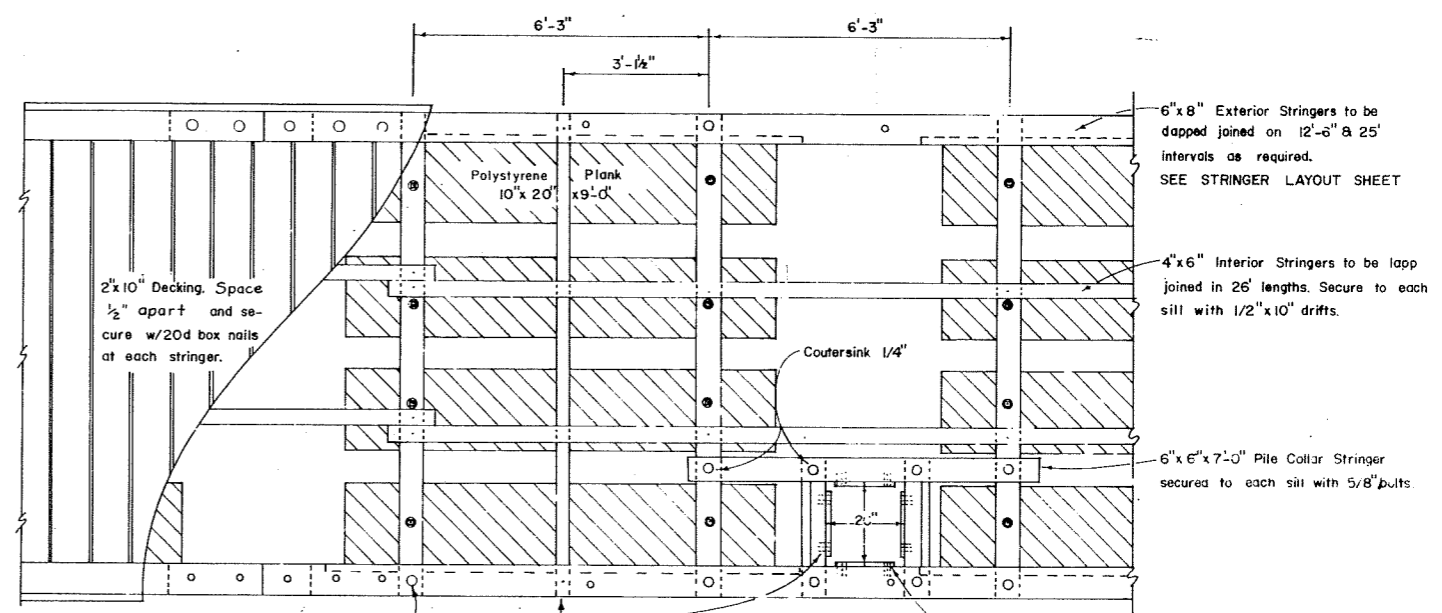


FIRE STOP DETAILS
Scale 3/4" to 1'-0"



FLASHING FABRICATION
Scale 1" to 1'-0"

NOTES:
Secure grating to stringers with saddle clips & 1/4" lag bolts - 5 at each stringer per 6' width



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

MATERIALS		
ITEM	DRESSING	TREATMENT
3" x 6" - 4" x 6" & 6" x 6" upper sill	S-1-E 1/8" off	12 lbs. ret.
2" x 10" Siding	2" x 1 1/2"	" "
3" x 6" Lower Sill	Rough	" "
4" x 4" & 3" x 6" Collar Plates	Rough	6 lbs. ret.
4" x 6" Collar Members	S-2-E	" "
4" x 6" Interior Stringers	" "	" "
6" x 6" & 6" x 8" Ext. Stringers	S-4-S	" "
2" x 8" Bumpers	" "	0.5lb. Penta
6" x 6" Collar Stringers	" "	8lb. creos. ret.
2" x 10" Decking	Milled	0.5lb. Penta.
4" x 6" & 4" x 8" Blocking	S-4-S	" "
6" x 6" & 8" x 8" Rail	" "	" "

PRE-DRILLED BOLT HOLES

- COLLAR MEMBERS - all holes
- SILLS - notes for floatation plank bolts
- STRINGERS - 1. holes for stringer to sill bolts
- TIE DOWN RAIL - all holes
- PILE COLLAR STRINGER - 10' FLOAT - all holes
- FIELD DRILLED BOLT HOLES
- SILLS - 1. holes for stringer to sill bolts
- 2. pile collar stringer to sill
- PILE COLLAR INT. STRINGER - 6' FLOAT - all holes
- RAIL BLOCKING - all holes
- COLLAR PLATES - all holes
- EXT. STRINGER - 1. notes for tiedown rail bolts
- 2 " " pile collar plate bolt

NOTES
All hardware to be hot-dipped galvanized. A malleable iron washer shall be placed between all nut and wood surfaces. All bolts to be of the economy headed type. Bolt holes to be drilled 1/16" oversize except sill bolt holes for floatation planks 1/8" oversize. Drift holes to be drilled 1/16" undersize. All field drill holes shall be treated with hot creosote oil. All pressure treated creosote material shall be cut to size prior to treatment. Tie down rails shall extend across all float ends except under gangway. All bolt heads facing decking shall be countersunk 1/4" previous to treatment. Field drill all drift bolt holes. A barrier of 6 mil black polyethylene shall be placed between the contact surfaces of all creosote timber and floatation material (except float siding members).

All material to be construction grade Douglas Fir
All piping will be Class A creosoted to 12 lbs. retention
All 12 lb. ret. creosoted treatment to be Full Cell
All " " " " " " " " Empty

Changed treatment for Bumpers, Decking, Blocking & Tie-down rails to 0.5lb Penta. Spaced deck planks 1/2"		7-29-71	JET
No.	Revision	Date	By

DO NOT SCALE THIS DRAWING USE DIMENSIONS

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

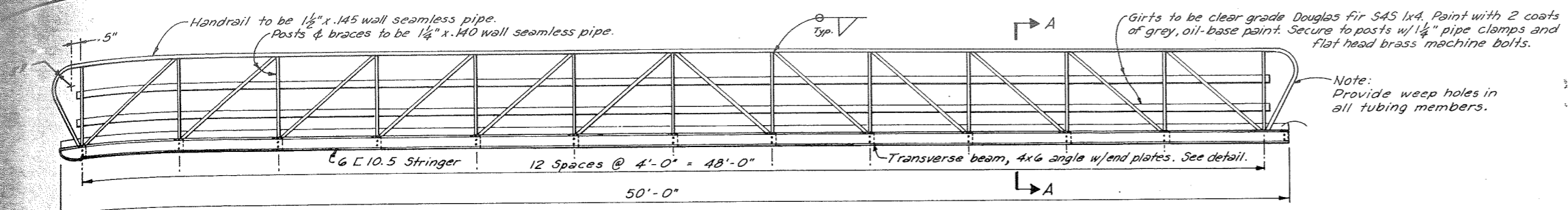
TYPICAL FLOATS

SCALE: As shown
DESIGNED: DW/DS
CHECKED: DS

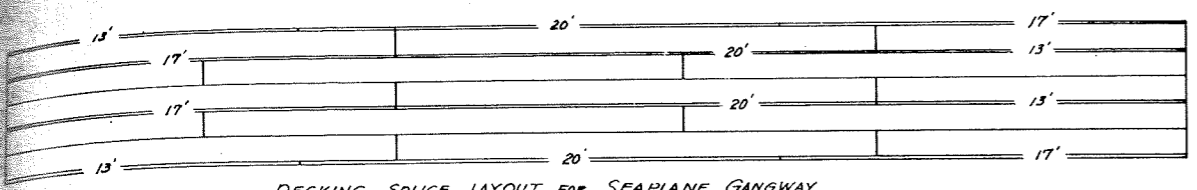
SURVEYED: -
DRAWN: MH/JET
DATE: 4-68

APPROVED: Don Statter
DIRECTOR

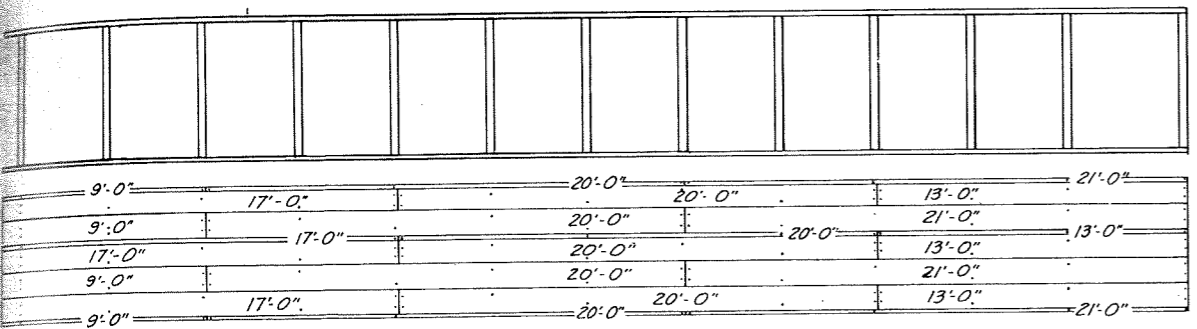
PROJECT NUMBER: SHEET 5 OF 8



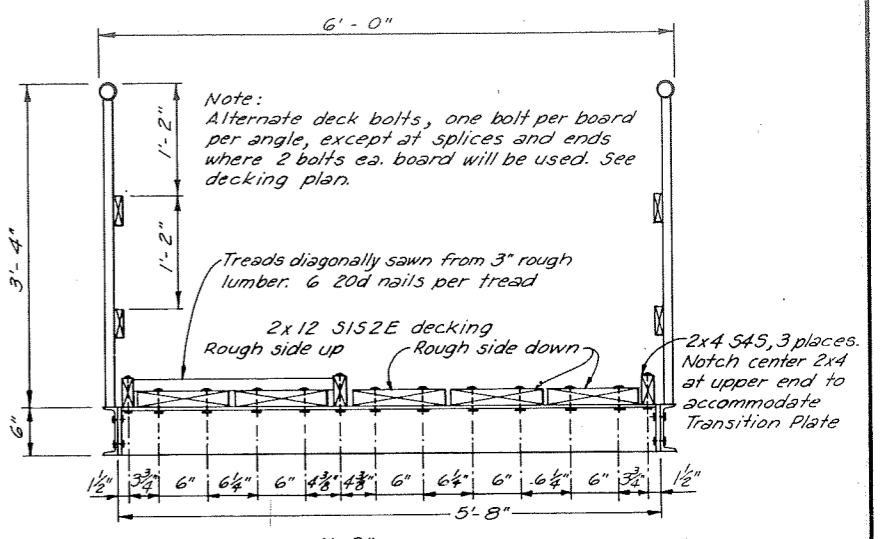
SIDE ELEVATION
3/8" = 1'-0"



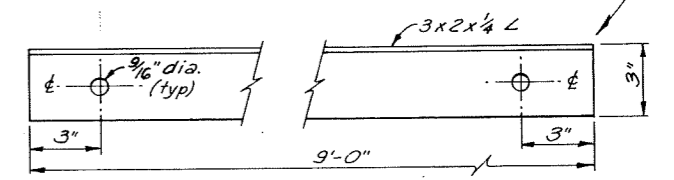
DECKING SPLICE LAYOUT FOR SEAPLANE GANGWAY
SAME AS BELOW EXCEPT AS DETAILED



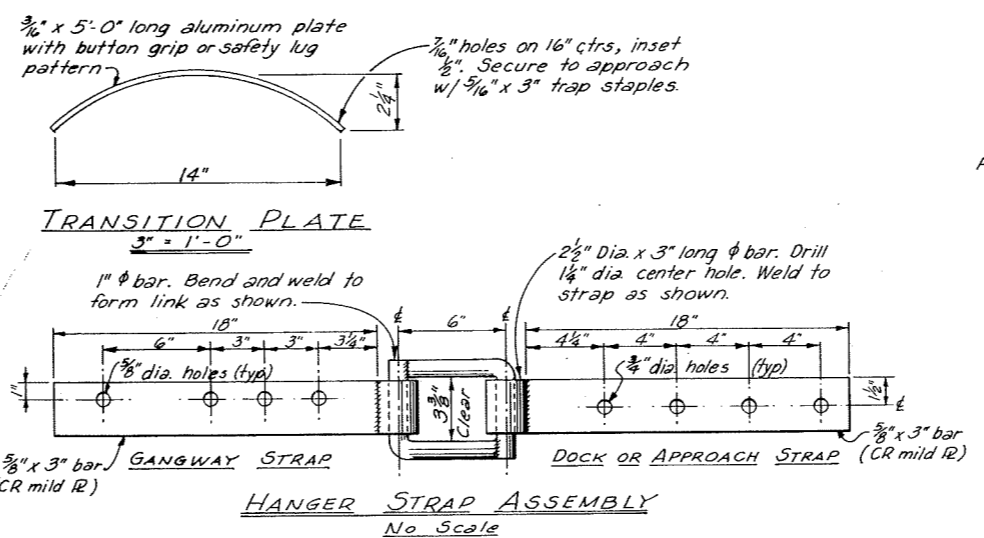
DECKING SPLICE LAYOUT
1/4" = 1'-0"



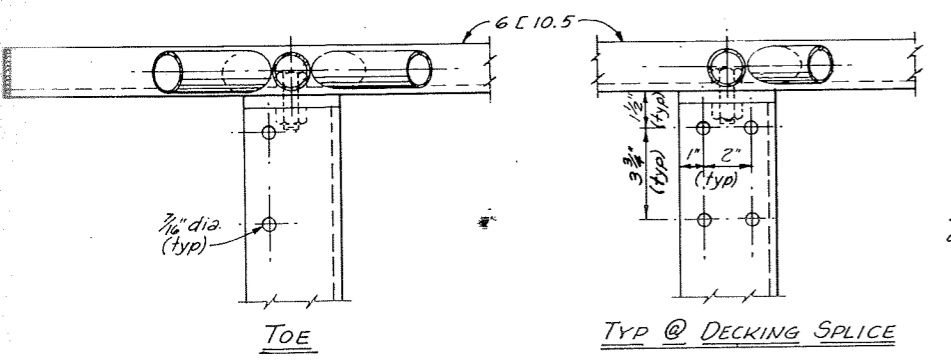
SECTION A-A
1" = 1'-0"



GUIDE RAIL
3/8" = 1'-0"

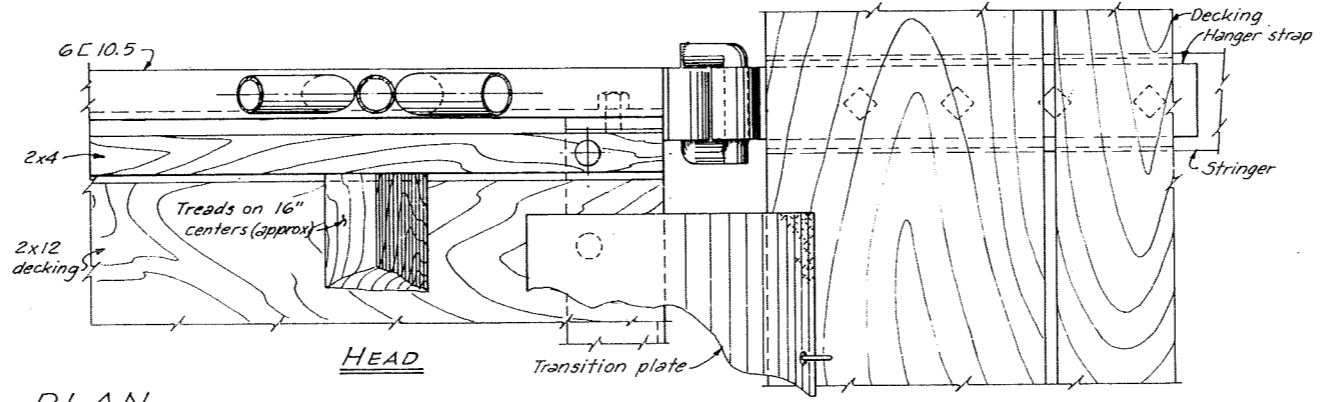


HANGER STRAP ASSEMBLY
No Scale



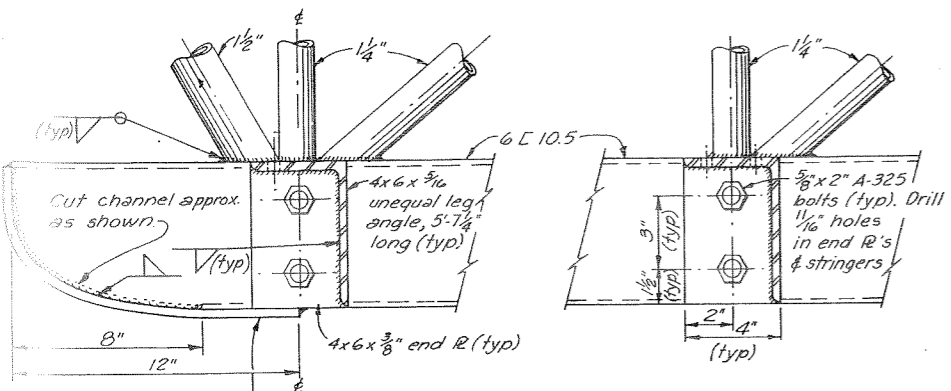
TOE

TYP @ DECKING SPLICE

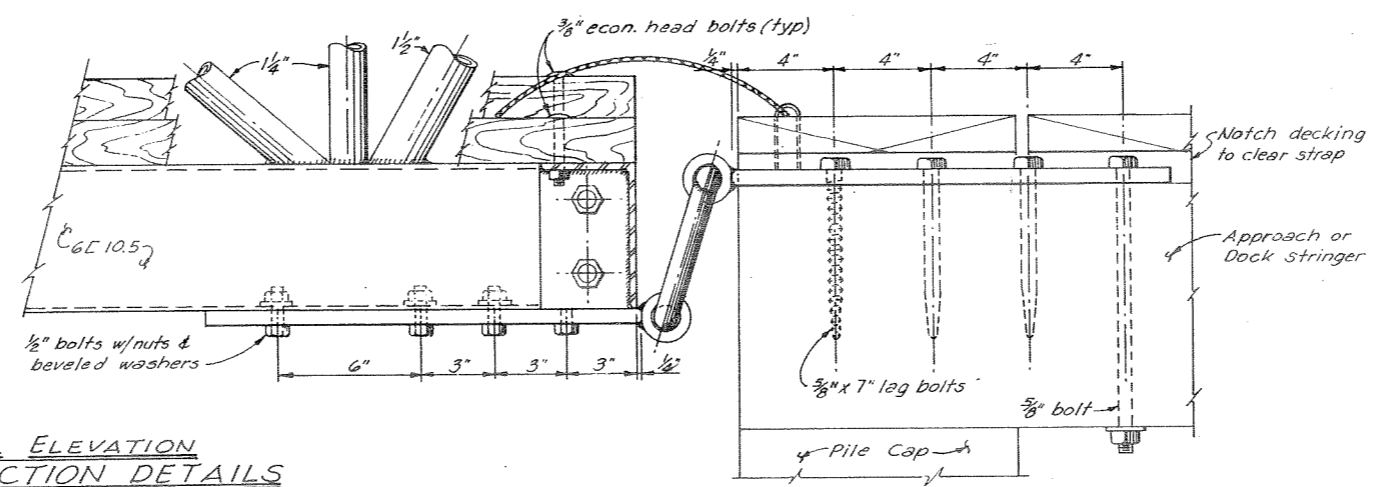


PLAN

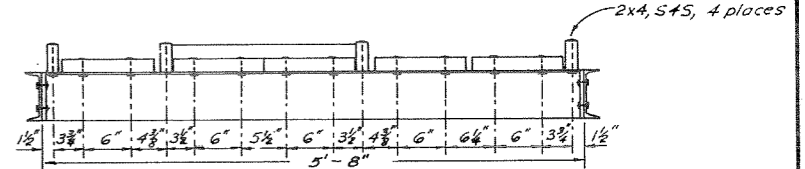
DOCK OR APPROACH



SECTIONAL ELEVATION CONSTRUCTION DETAILS
3/8" = 1'-0"



- NOTES:**
1. All seamless pipe shall conform to ASTM A-53.
 2. All channels, angles & plates shall conform to ASTM A-36.
 3. Trusses shall be shop fabricated & assembled including hangers.
 4. Splices shall be held to a minimum and, where necessary, shall be made in a manner that will not reduce the strength of the truss.
 5. No tubing or channel splices will be permitted within the middle half of the truss structure.
 6. Trusses & transverse beams shall be hot dipped galvanized after fabrication and in accordance with ASTM A-123, A-384, A-385 & A-386.
 7. All steel hardware & fasteners shall be hot dipped galvanized in accordance with ASTM A-153.
 8. Decking & deck spacers shall be construction grade Douglas fir, Pentachlorophenol pressure treated to 0.5 lb. cu. ft. retention, and shall be field drilled to match shop drilled holes in transverse members.



SECTION A-A FOR SEAPLANE GANGWAY

Revised 4-7-71. Removed Tension Wires. JET

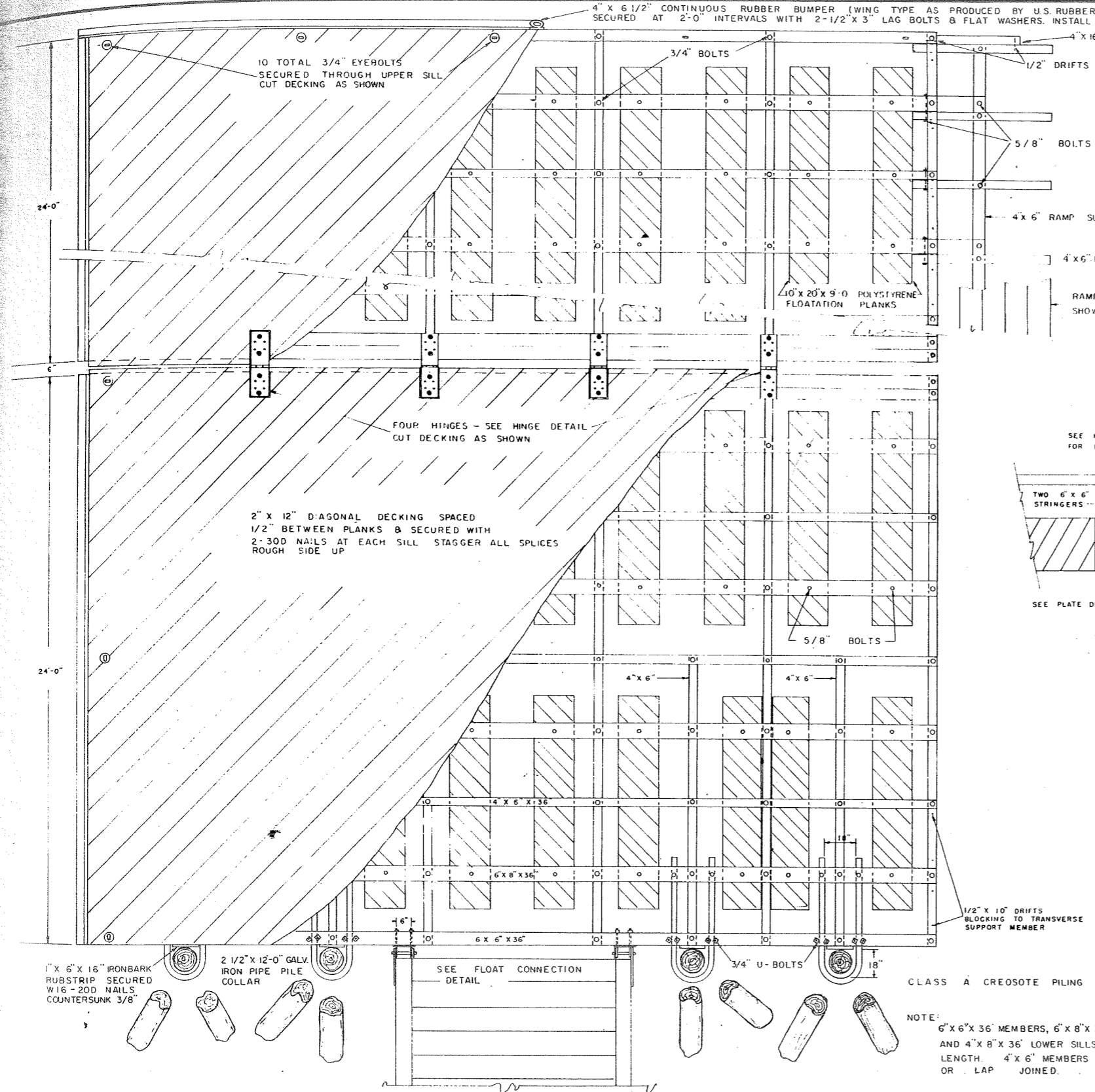
DO NOT SCALE THIS DRAWING -- USE DIMENSIONS

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

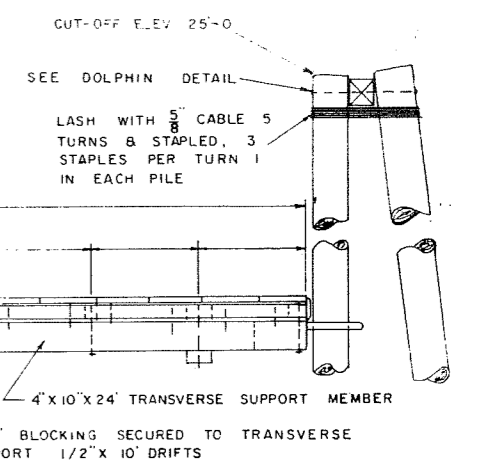
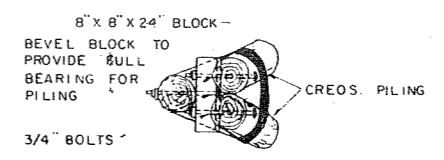
**MODIFIED STEEL GANGWAY -
TYPICAL STEEL GANGWAY
CONSTRUCTION DETAILS**

SCALE As shown	DRAWN JET	APPROVED
DESIGNED JT/RB	CHECKED DSM	Don Statter DIRECTOR
PROJECT NUMBER	DATE Dec. 1970	3-7314
		SHEET 6 OF 8

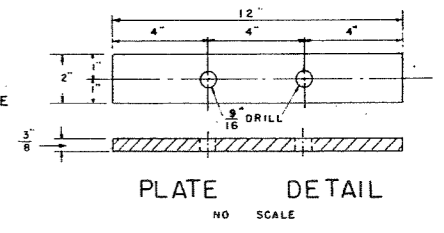
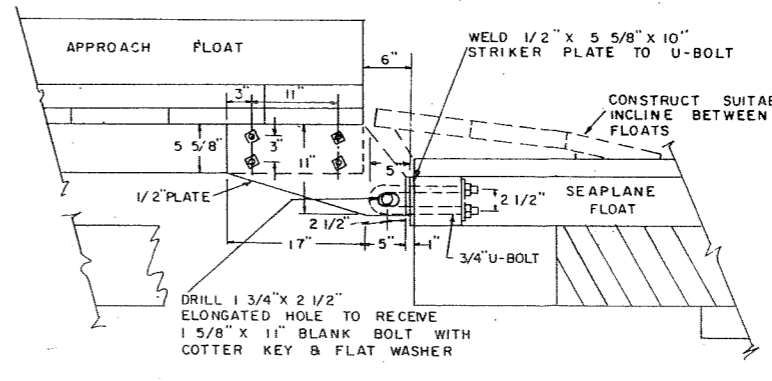
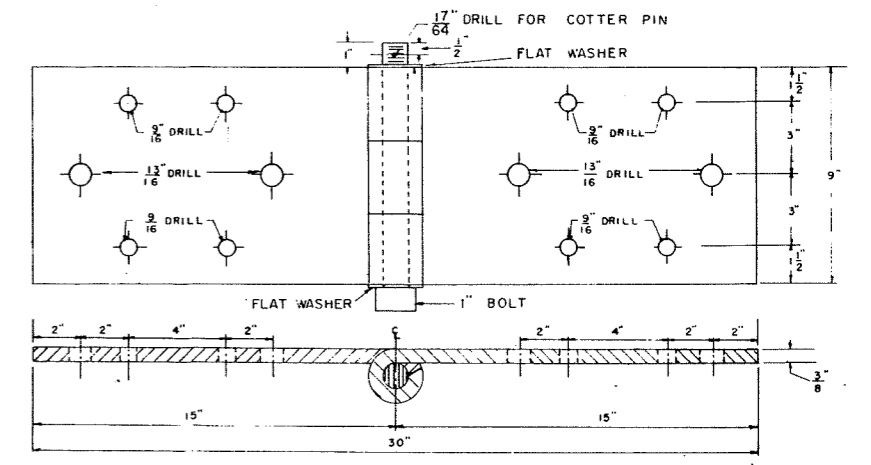
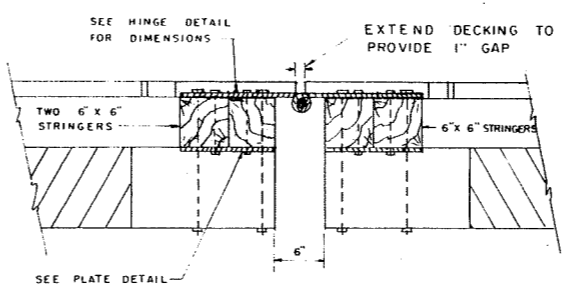
4" x 6 1/2" CONTINUOUS RUBBER BUMPER (WING TYPE AS PRODUCED BY U.S. RUBBER CO. OR EQUAL) SECURED AT 2'-0" INTERVALS WITH 2-1/2" x 3" LAG BOLTS & FLAT WASHERS. INSTALL ON FLOAT FACE & LEFT SIDE ONLY



NOTE
Rubber bumpers as shown have been replaced with light duty rubber strips placed diagonally in approx. 2' strips.

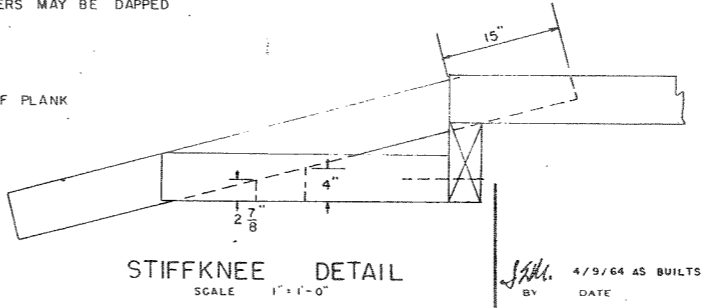
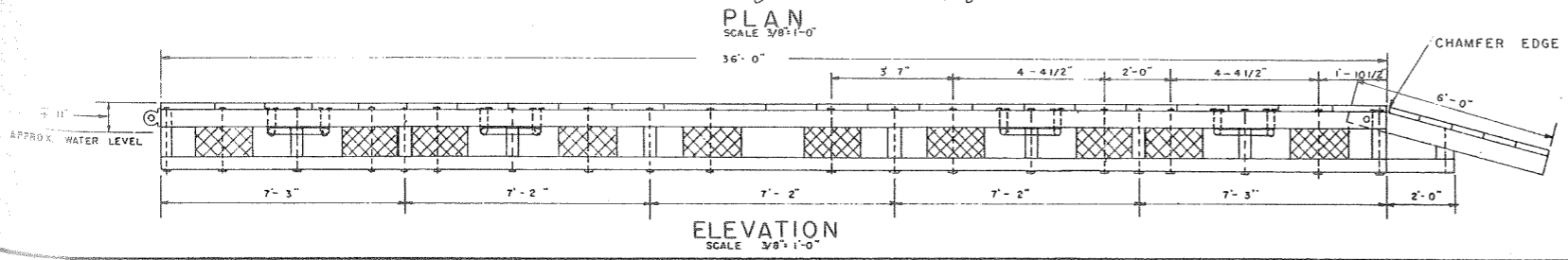


LEFT SIDE ELEVATION
SCALE 3/8" TO 1'-0"



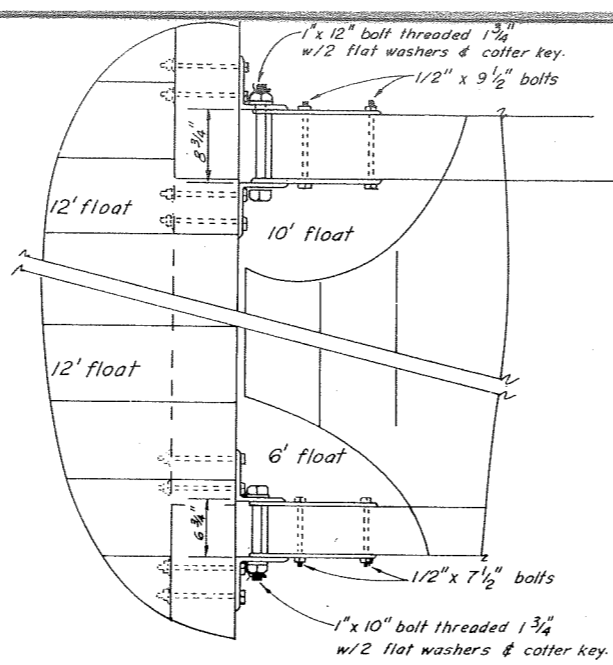
AS-BUILT DRAWING

NOTE:
6" x 6" x 36" MEMBERS, 6" x 8" x 36" UPPER SILLS AND 4" x 8" x 36" LOWER SILLS TO BE FULL LENGTH. 4" x 6" MEMBERS MAY BE DAPPED OR LAP JOINED.

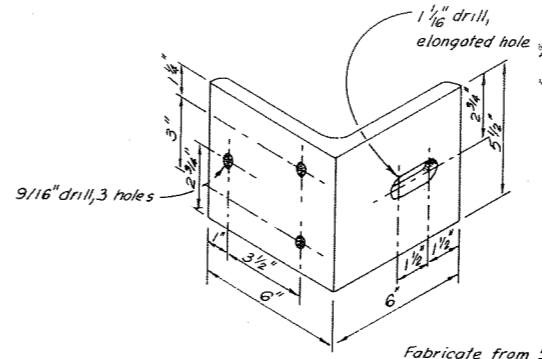


4/9/64 AS BUILT
BY DATE CHANGE REVISIONS

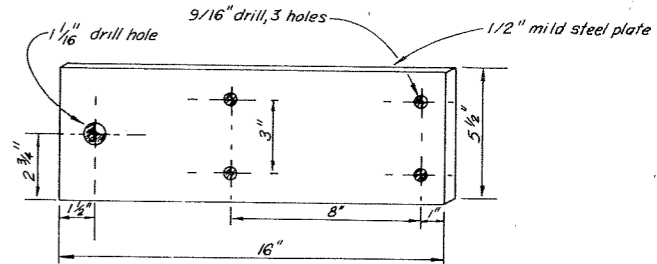
STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF AVIATION	
TYPICAL 36' X 48' SEAPLANE FLOAT	
APPROVED	DIRECTOR
APPROVED	CHEF ENGINEER
SCALE	SHEET OF
DESIGNED	DRAWN
CHECKED	DATE



HINGE CONNECTION ASSEMBLY
SCALE: 1" = 1'-0"

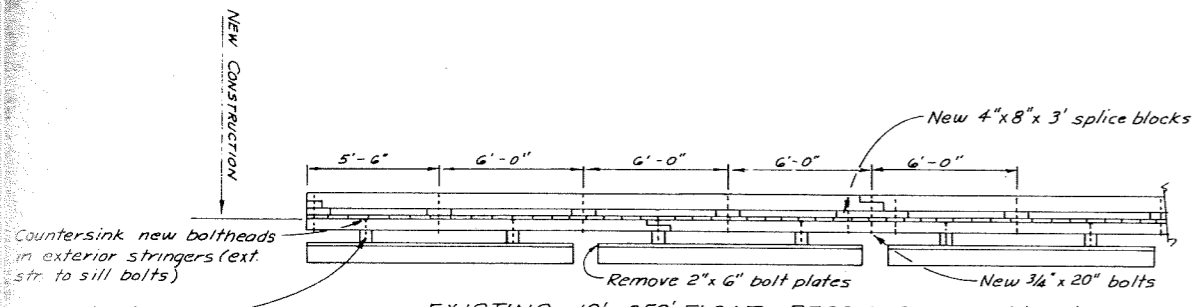


ANGLE CLIP DET'LS



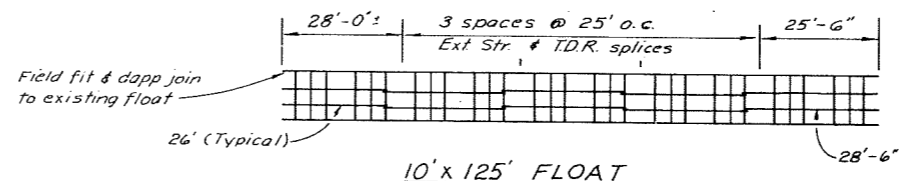
STANDARD PLATE DET'LS
SCALE: 3" = 1'-0"

HINGE CONNECTIONS

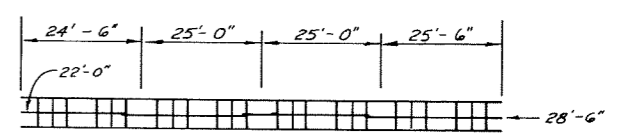


EXISTING 10' x 359' FLOAT - RECONSTRUCTION DET'LS
SCALE: 1/4" = 1'-0"

1. All materials, fastenings & dimensions shall conform to TYPICAL FLOATS except as noted.

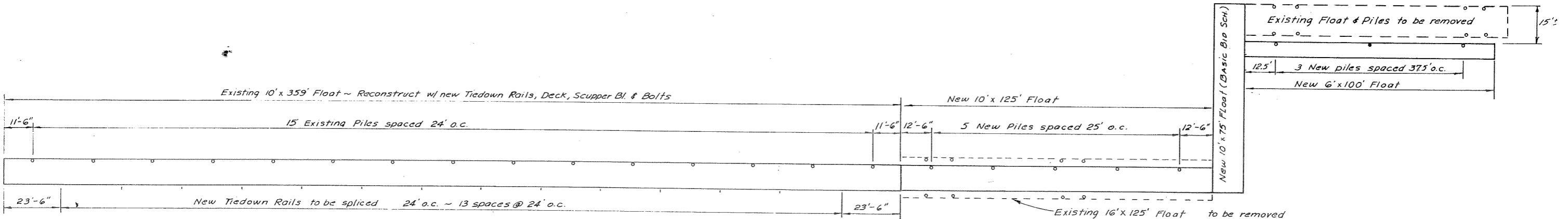


10' x 125' FLOAT



6' x 100' FLOAT

STRINGER DIAGRAMS
SCALE: 1" = 20'



**HOONAH CITY FLOAT RECONSTRUCTION
ALTERNATE "B" LAYOUT**
SCALE: 1" = 20'

DO NOT SCALE THIS DRAWING - USE DIMENSIONS		
STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS		
HOONAH FLOAT FACILITIES RECONSTRUCTION ALTERNATE "B" CONST. DET'LS.		
SCALE <i>As Shown</i>	SURVEYED _____	APPROVED _____
DESIGNED <i>DCW</i>	DRAWN <i>DCW</i>	Don Statter DIRECTOR
CHECKED _____	DATE <i>4-20-72</i>	
PROJECT NUMBER <i>3-73114</i>	SHEET <i>B</i> OF <i>8</i>	