

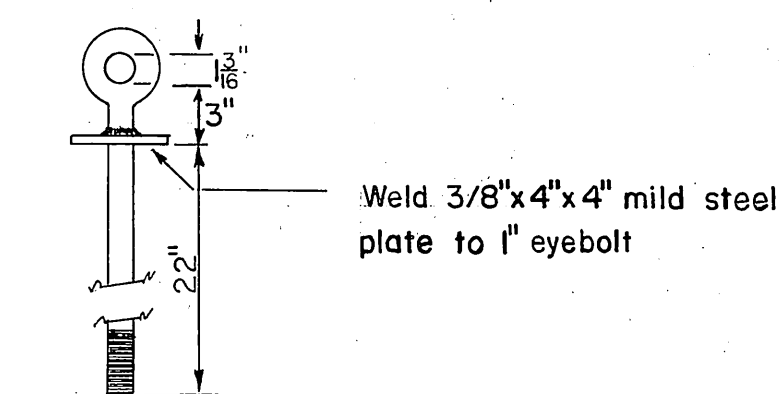
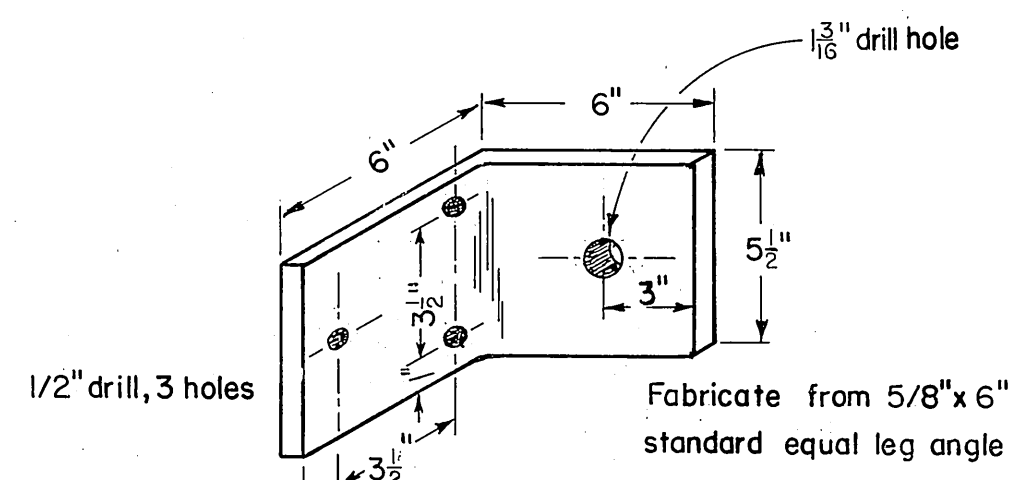
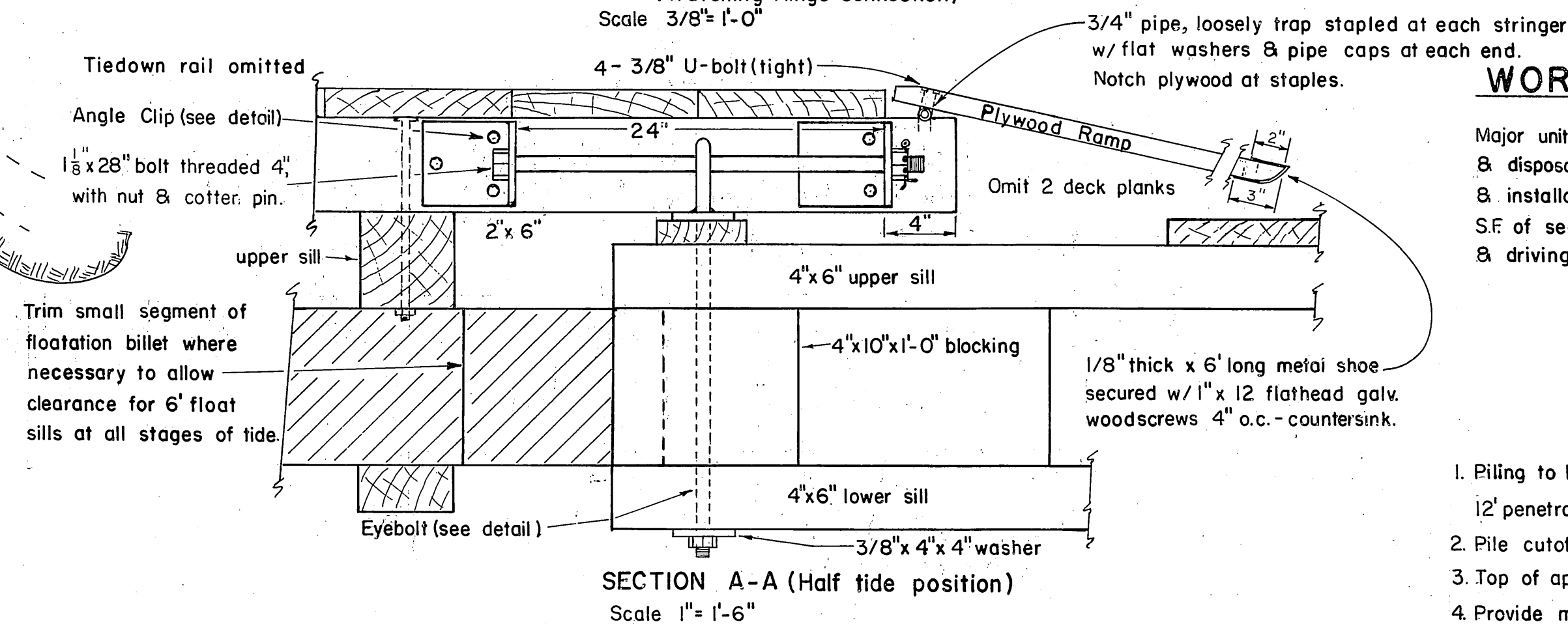
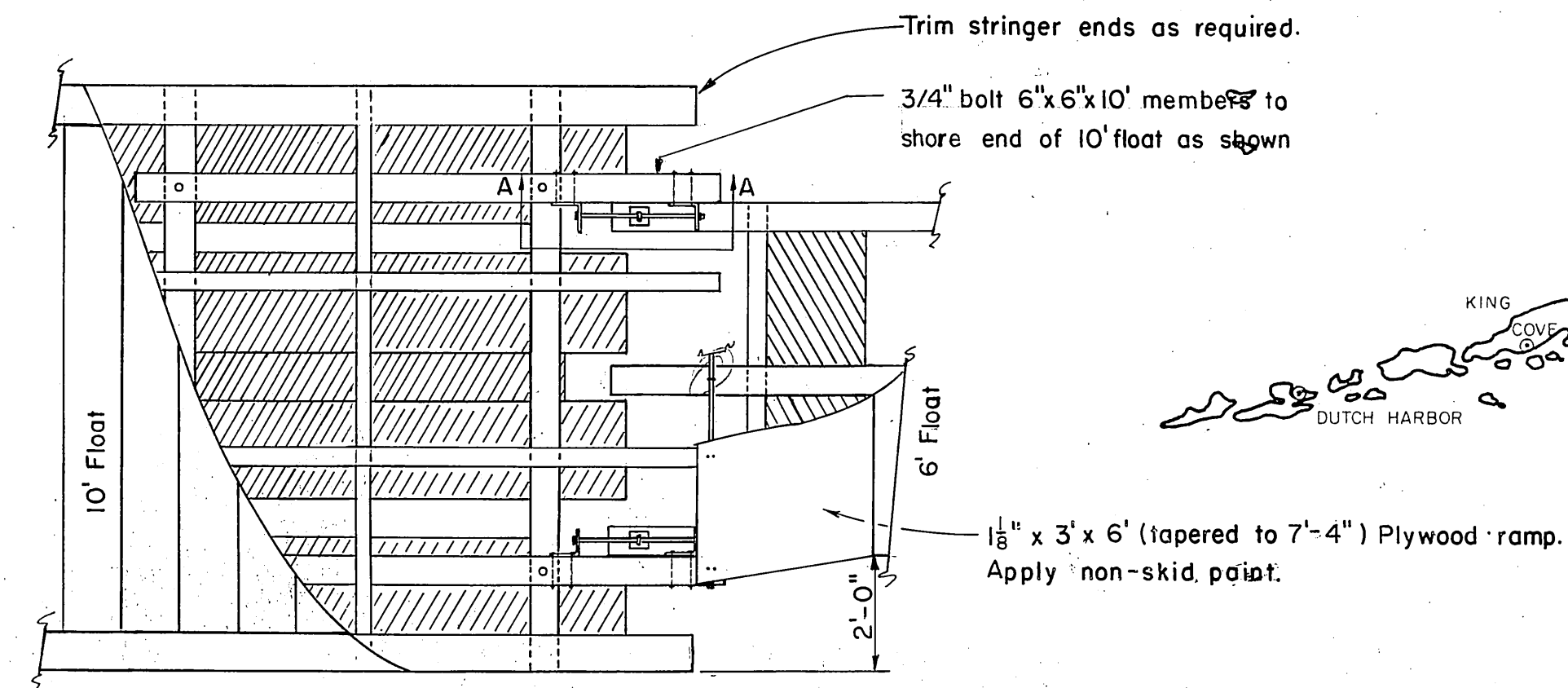
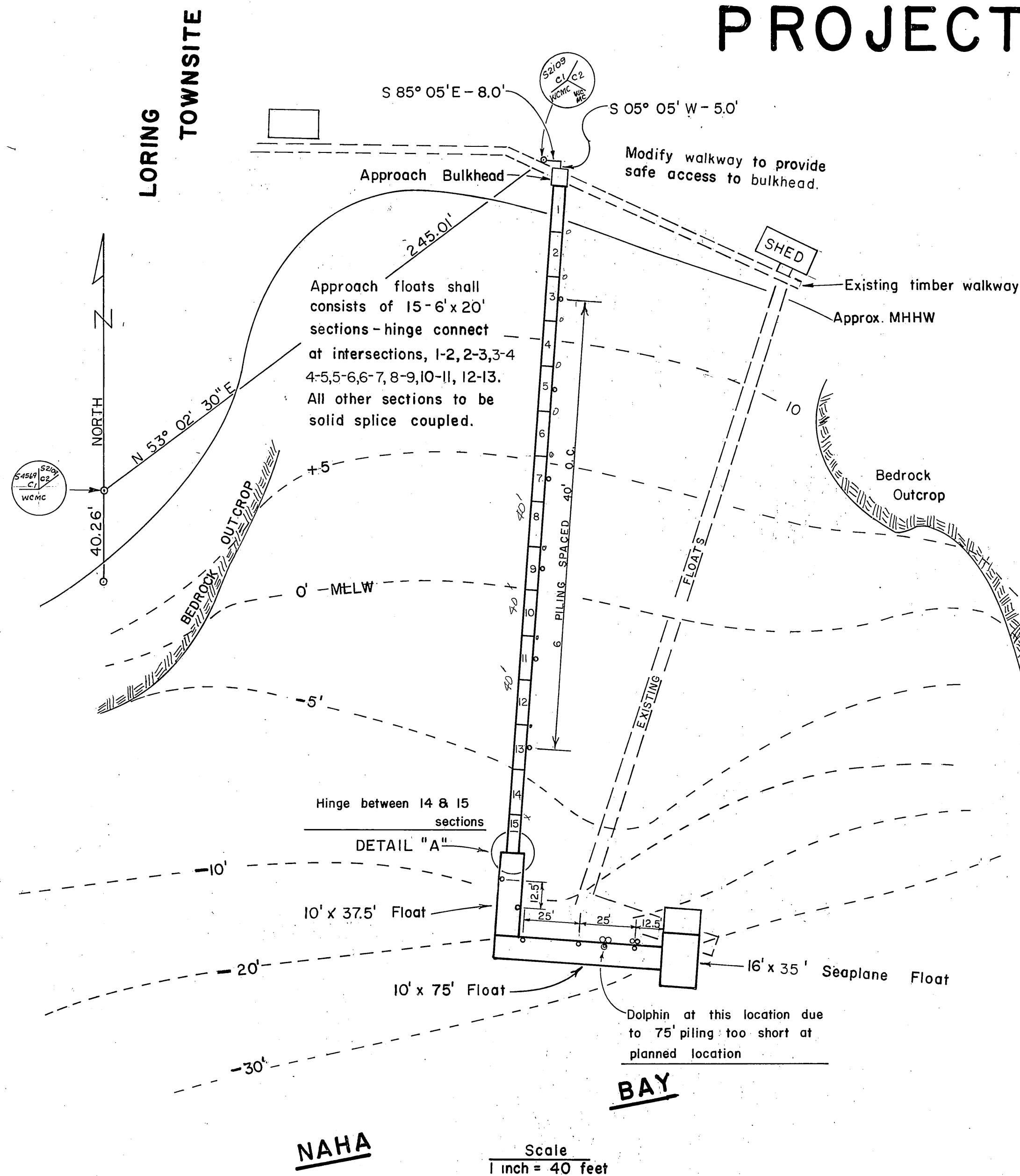
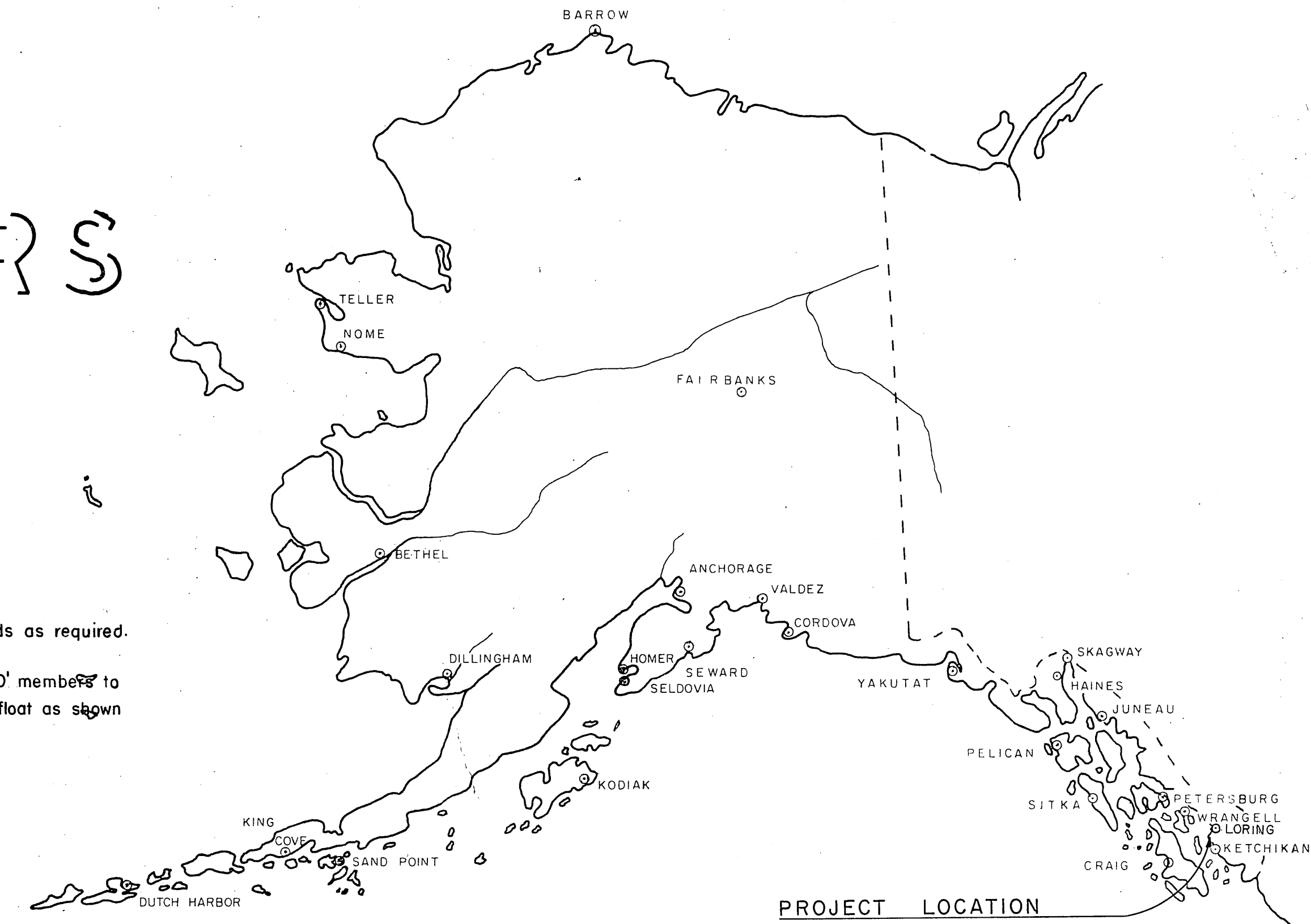
STATE OF ALASKA

DEPARTMENT OF PUBLIC WORKS

DIVISION OF WATER & HARBORS

LORING FLOAT FACILITIES

PROJECT NO. W-67119



WORK SUMMARY

Major units of this project shall include removal & disposal of the existing log floats, construction & installation of 2925 S.F. of boat floats, 560 S.F. of seaplane float and ramp, and the furnishing & driving of 665 L.F. of creosote piling.

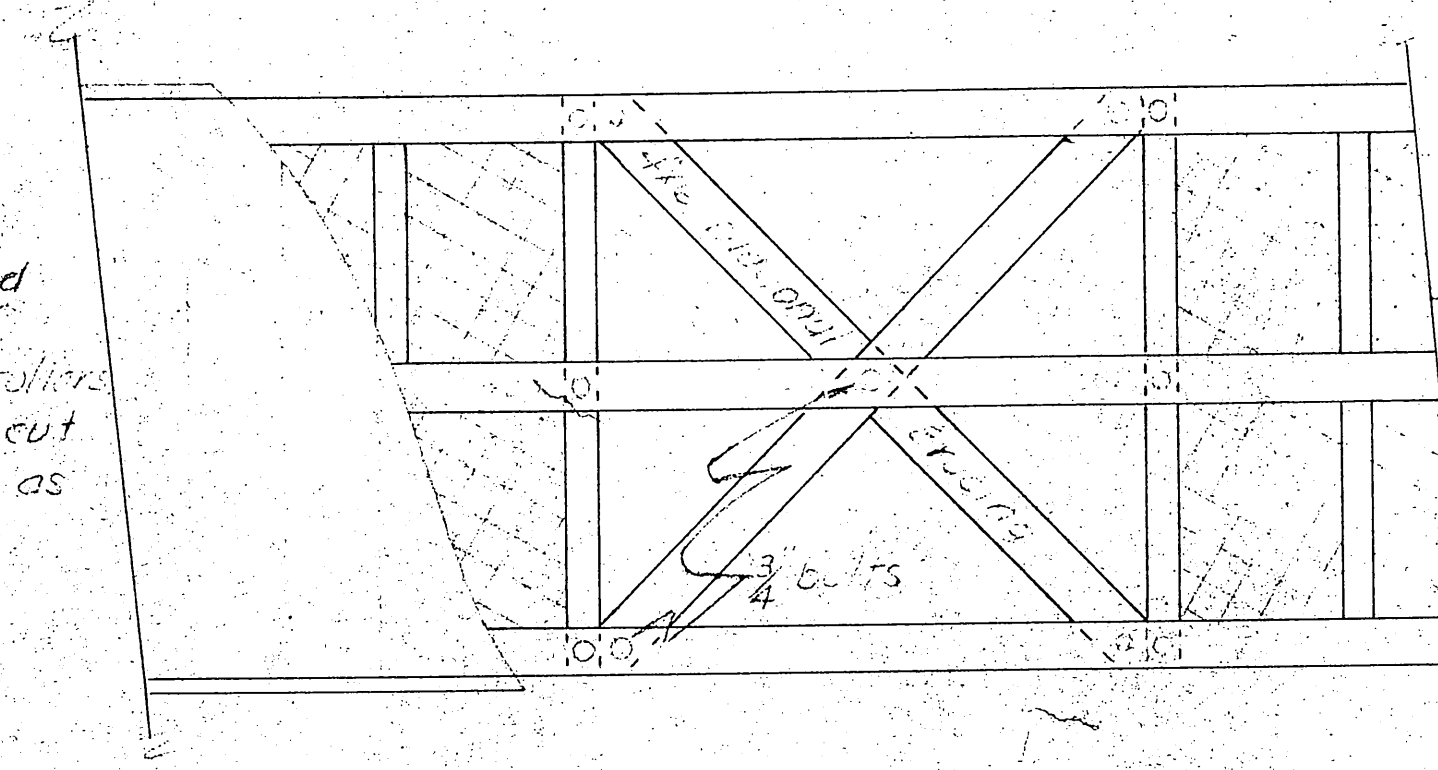
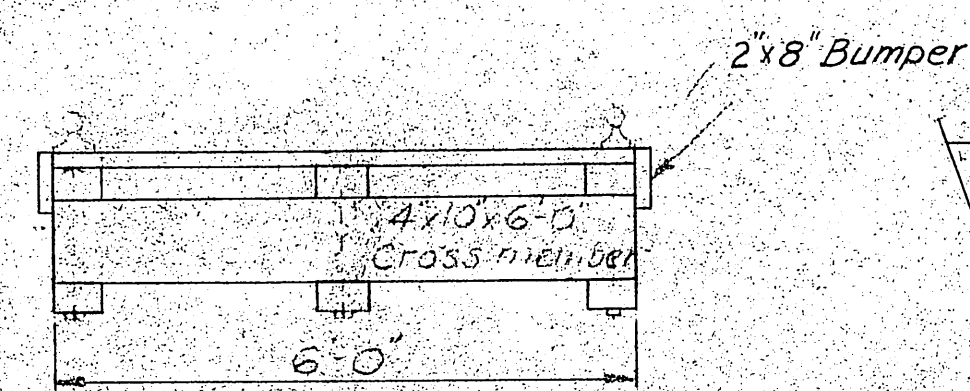
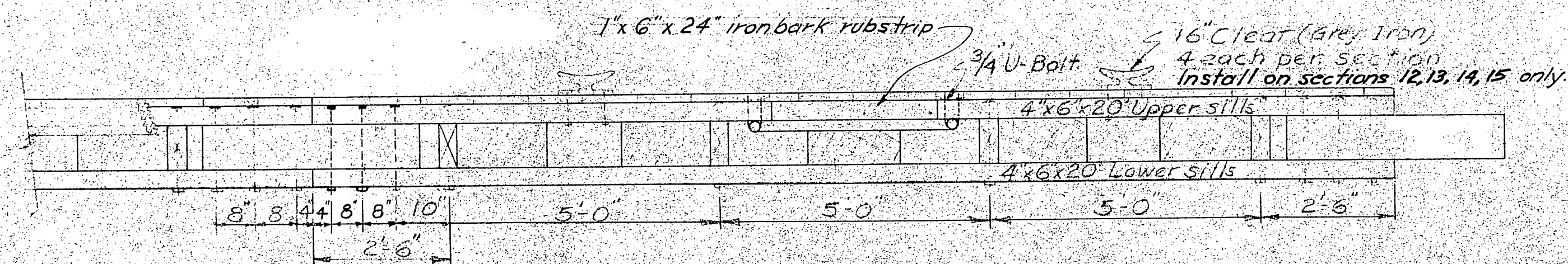
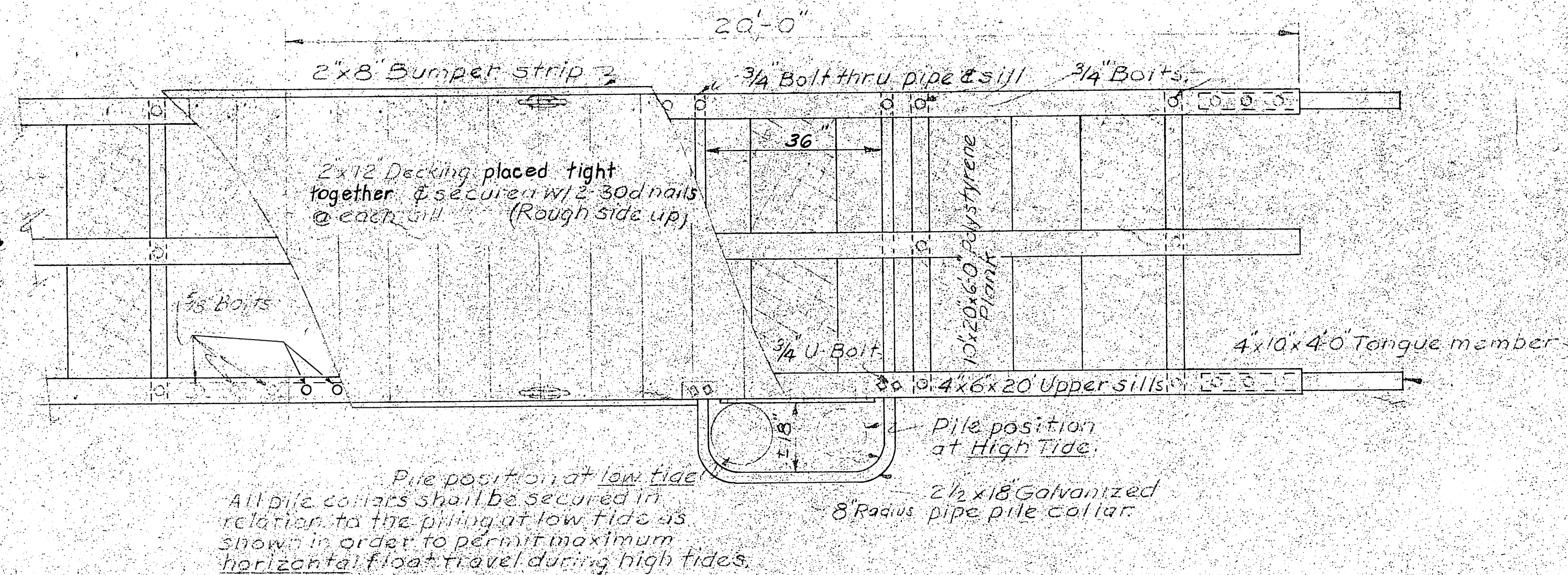
NOTES

- Piling to be class A creosote, driven butt down to 12' penetration or refusal.
- Pile cutoff elev. = 28.0'
- Top of approach bulkhead to be at 20.0'
- Provide midspan support for section #1 of approach floats (at grounded position). Install 1"x2"x3" wood strips spaced 18" on section #1.
- Standard size (10"x20"x9'-0") flotation billets may be utilized in approach floats. Trim ends and splice at middle sill member.

INDEX TO SHEETS

TITLE, LOCATION	SHEET
TYPICAL 6' SECTIONAL FLOAT	2
TYPICAL 10' FLOAT	3
TYPICAL 16' x 35' SEAPLANE FLOAT	4
TYPICAL HINGE CONNECTION DETAILS	5

AS BUILT

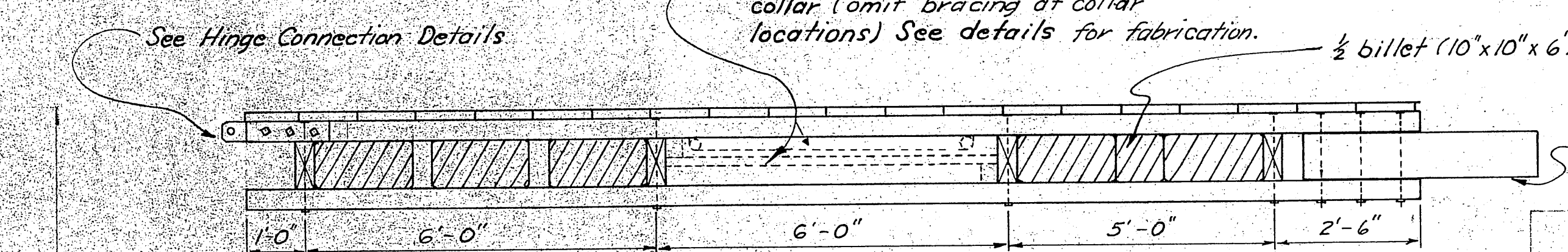


DIAGONAL BRACING DETAIL

All fastenings, materials, & dimensions on all ringed float sections shall conform to those of the coupled sections except as noted. - No cleats required.

TYPICAL SECTION

ELEVATION (hinged sections)



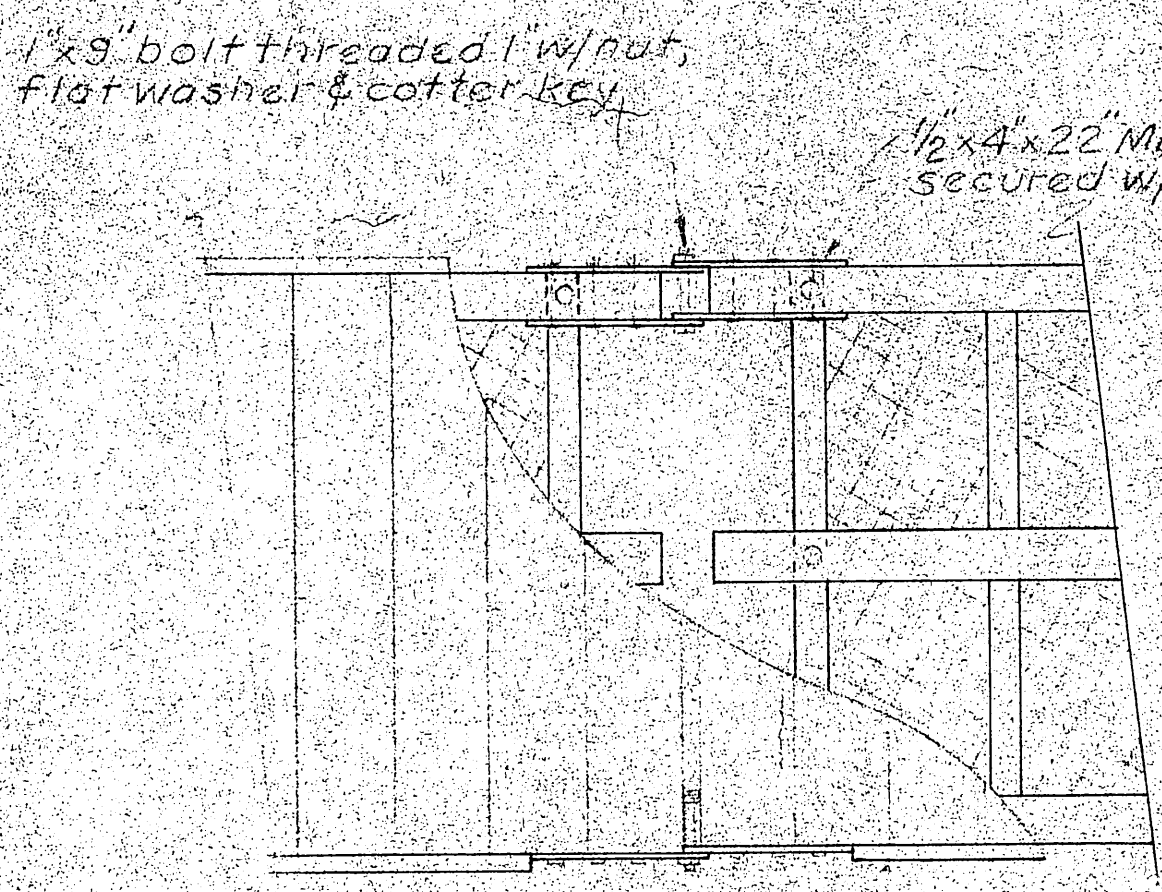
ELEVATION (Alternately hinged ~ coupled section)

Weld 3/8\"/>

See Hinge Connection Details

Install diagonal bracing or pile collar (omit bracing at collar locations) See details for fabrication.

See Coupled Sections for details.

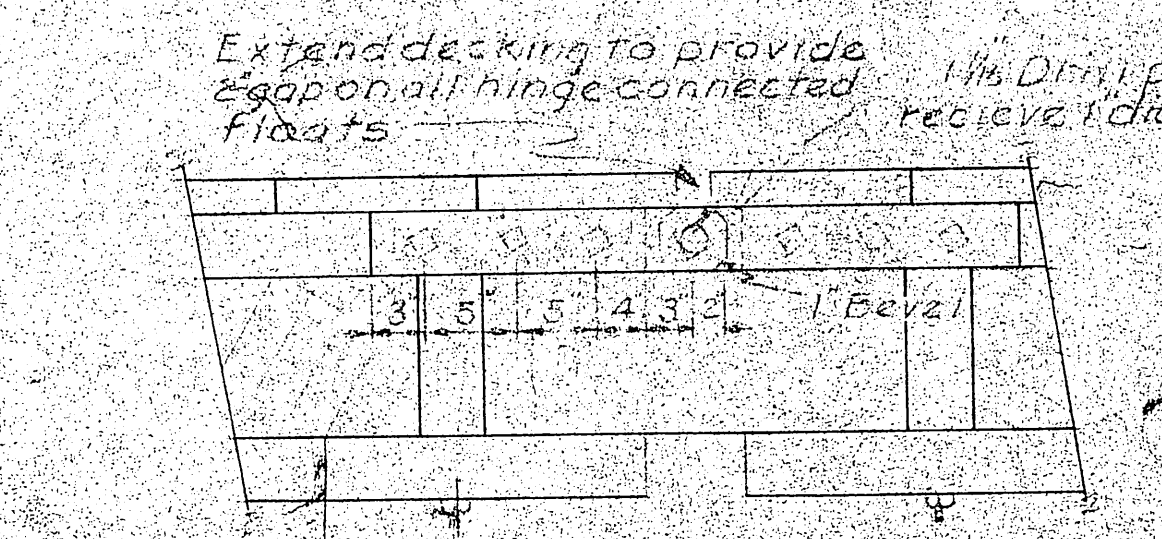


PLAN

Typical Hinge connection plates



PLAN



ELEVATION

1'x2'x3' wood cleats

provide suitable midspan support 2' float section #1 only

Level beach to provide uniform slope for float sections

1 1/2\"/>

Level beach to provide uniform slope for float sections

1 1/2\"/>

Level beach to provide uniform slope for float sections

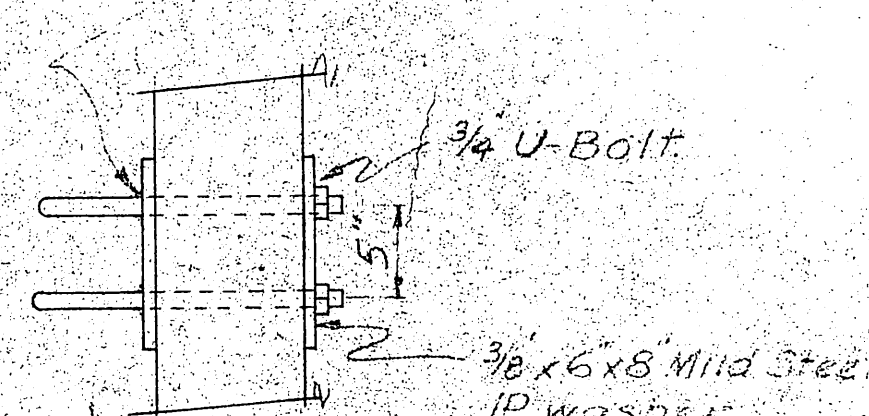
1 1/2\"/>



ELEVATION

SHORE SIDE CONNECTION DETAIL

& CONCRETE ABUTMENT



U-BOLT DETAIL

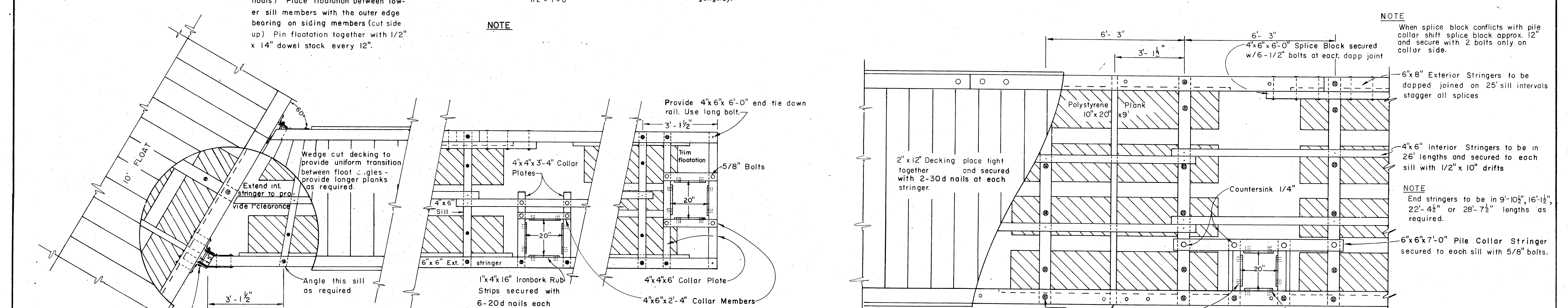
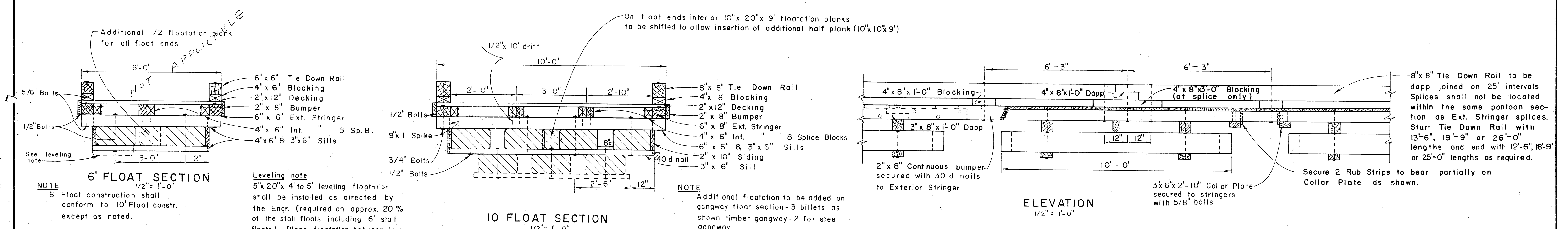
Scale 1/2\"/>

Note: Use U-bolt & Hinge Plate connection when connecting 6 floats at right angle. U-bolts shall be similar to abutment U-bolts with exception that 3/8\"/>

NOTES
All bolt holes to be drilled & countersunk (where required) prior to creosote pres-sure treatment except as noted.
All timber material with exception of bumper & decking to be construction grade Douglas Fir creosote treated to 12\"/>

NO	DATE	REVISION
3	8-64	countersinking note reverse
4	11-64	bolts change clear size change x-member drawing
5	6-66	Add new elevation view - alternately hinged-coupled section

STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS	
TYPICAL 6' SECTIONAL FLOAT	
SCALE AS SHOWN DATE Feb. 1963 PROJ. NO. W67119	APPROVED DON STATTER DIRECTOR
SURVEYED BY CS	CHECKED BY JCS



NOTES

Connect floats with hinge connection - see CONNECTION DETAIL SHEET.

IRONBARK RUB STRIP
 1" = 6"

PRE-DRILLED BOLT HOLES

COLLAR MEMBERS - all holes

SILLS - holes for floatation plank bolts

STRINGERS - 1. holes for stringer to sill bolts
 2. splice block holes

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. holes for tie down rail bolts
 2. " " pile collar plate bolts

REVISIONS MARCH 1965

- Omit end plates.
- Clarified pre-drilling note.
- Change decking gap from 1/2" to 3/4".
- Change 2"x10" rough siding members to 2"x10" "actual size."
- Change 3"x6", 4"x6" and 6"x6" upper sills from rough to S-I-E 1/8" off.
- Revised hinge connection and 6' float pile collar.
- Change sill spacing from 6'-0" to 6'-3".

REVISIONS JAN. 1966

- Add polyethylene barrier note
- Delete reference to extruded polystyrene billets
- Change deck nails from 20d to 30d

MATERIALS		
ITEM	DRESSING	TREATMENT
3x6-4x6 & 6x6 upper sill	S-I-E 1/8" off	12 lbs. ret.
2x10 Siding	2x10 1/2"	" "
3x6 Lower Sill	Rough	" "
4x4 & 3x6 Collar Plates	Rough	8 lbs. ret.
4x6 Collar Members	S-2-E	" "
4x6 Interior Stringers	" "	" "
6x6 & 8x8 Ext Stringers	S-4-S	" "
4x6 Splice Block	S-2-E	" "
6x6 Collar Stringers	" "	" "
2x12 Decking	S-I-S-2-E	" "
4x6 & 4x8 Blocking	S-4-S	" "
6x6 & 8x8 Rail	" "	" "
2x8 Bumper	" "	" "

All material to be construction grade Douglas Fir
 All piling will be Class A creosoted to 12 lbs. retention
 All 12 lb. ret. creosoted treatment to be Full Cell
 All 8 " " " " Empty Cell

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

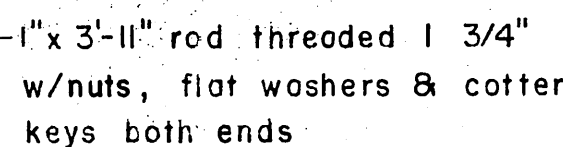
TYPICAL FLOATS

SCALE AS SHOWN
 DATE March 1965
 PROJ. NO. 4267119

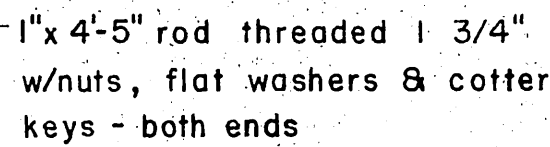
APPROVED **DON STATTER**
 DIRECTOR

DESIGNED BY RPH - OS
 DRAWN BY DW
 CHECKED BY DS

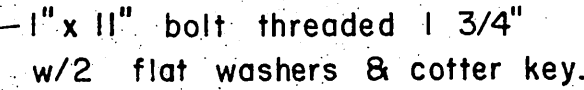
NOTE



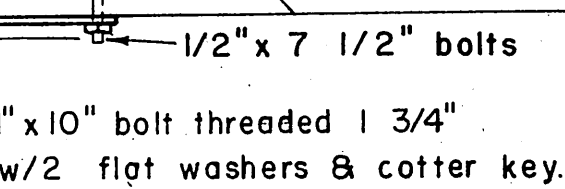
Plan - cutaway view



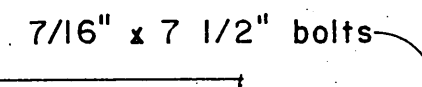
Plan - cutaway view



Plan - cutaway views



Plan- cutaway views

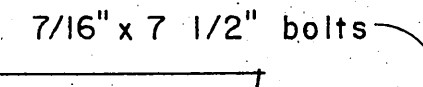


Elevation

4' FLOAT

Right angle connectio

Scale 1" to 1'-0"

Elevation

4' FLOAT

60° angle connection

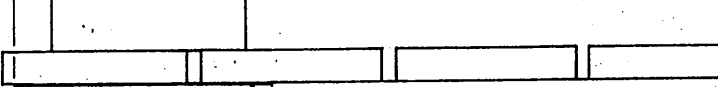
Scale 1" to 1'-0"

Elevation

6' 8' 10' FLOATS

60° angle connection

Scale 1' to 1' - C



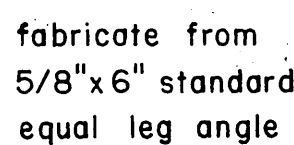
Use 7/16" x 13 1/2" bolts where splice blocks are encountered.

Elevation

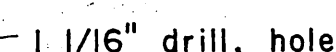
6' 8' 10' FLOATS

Right angle connections:

Scale 1' to 1'-C

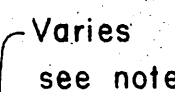


ANGLE CLIP DETAILS



STANDARD PLATE DETAILS

Scale 1" to 5"



BENT PLATE DETAILS

variable dimension note

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

TYPICAL HINGE CONNECTION DETAILS

Scale <u>As shown</u>	Approved <u>CORT B. HOWARD</u> Director	
Date <u>April 1965</u>		
Proj. No. <u>W-66-117</u>		
Designed by <u>DS</u>	Drawn by <u>B</u>	Checked by <u>DS</u>