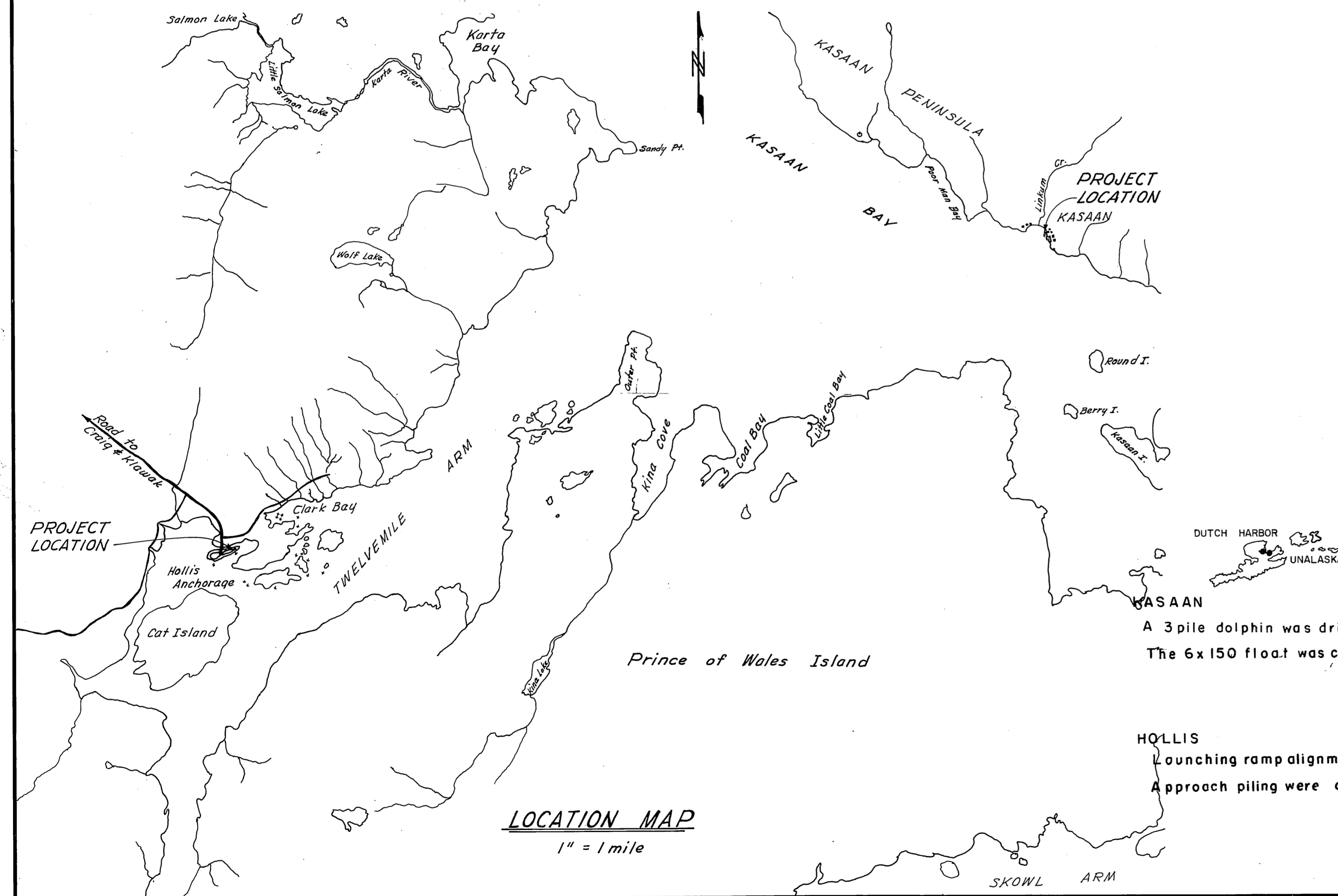


KASAAN FLOAT FACILITIES

PROJECT NO. 3-73111

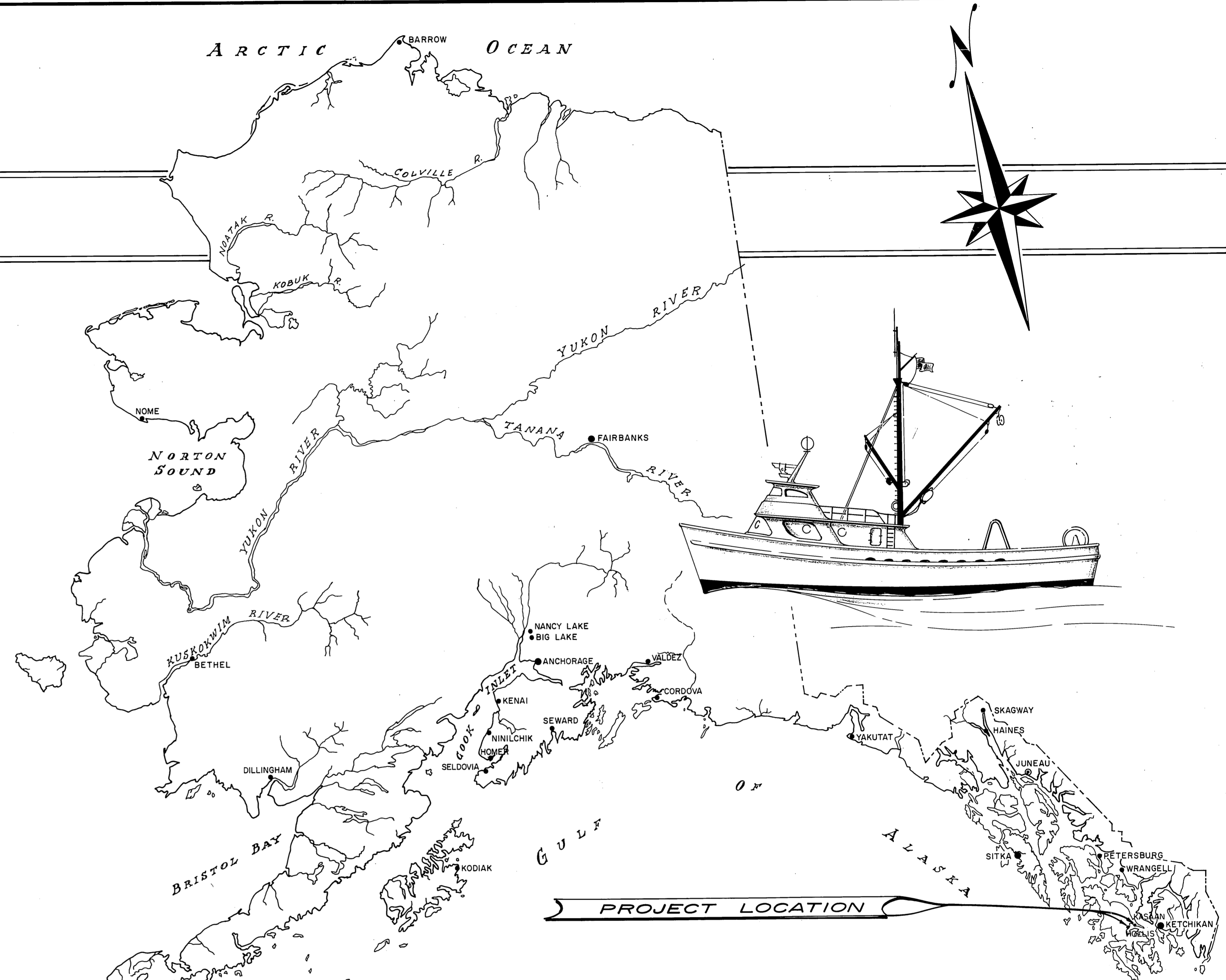
HOLLIS HARBOR FACILITIES

PROJECT NO. 3-73115



KASAAN
A 3 pile dolphin was driven on the outer end of the approach float
The 6x150 float was cut back to 112' to fit the available space

HOLLIS
Launching ramp alignment was changed
Approach piling were driven



As Constructed

WORK SUMMARY

KASAAN:
This project consists of the construction and installation of 1425 sq. ft. of new timber floats, 495 lin. ft. of new float piles, and the relocation of an existing seaplane float and attendant anchor gear.

HOLLIS:
This project consists of the construction and installation of 1236 sq. ft. of timber approach, one 6'x50' steel ganway, 2000 sq. ft. of new timber floats, 318 lin. ft. of new float piles and removal and disposal of the existing log floats. Alternates include a 1104 sq. ft. Seaplane Float, a 16'x168' conc. plank launching ramp and furnishing 84 conc. launching ramp planks at Craig.

INDEX TO SHEETS

1 TITLE & LOCATION MAP	7 HOLLIS FLOATS
2 KASAAN & HOLLIS SITE PLANS	8 HOLLIS STEEL GANGWAY
3 KASAAN LAYOUT & STRINGER DIA. & DET.	9 HOLLIS LAUNCHING RAMP
4 KASAAN 6' FLOAT DETAILS & MISC. DET.	10 HOLLIS SEAPLANE FLOAT
5 HOLLIS LAYOUT & STRINGER DIA. & DET.	
6 HOLLIS 12' APPROACH	

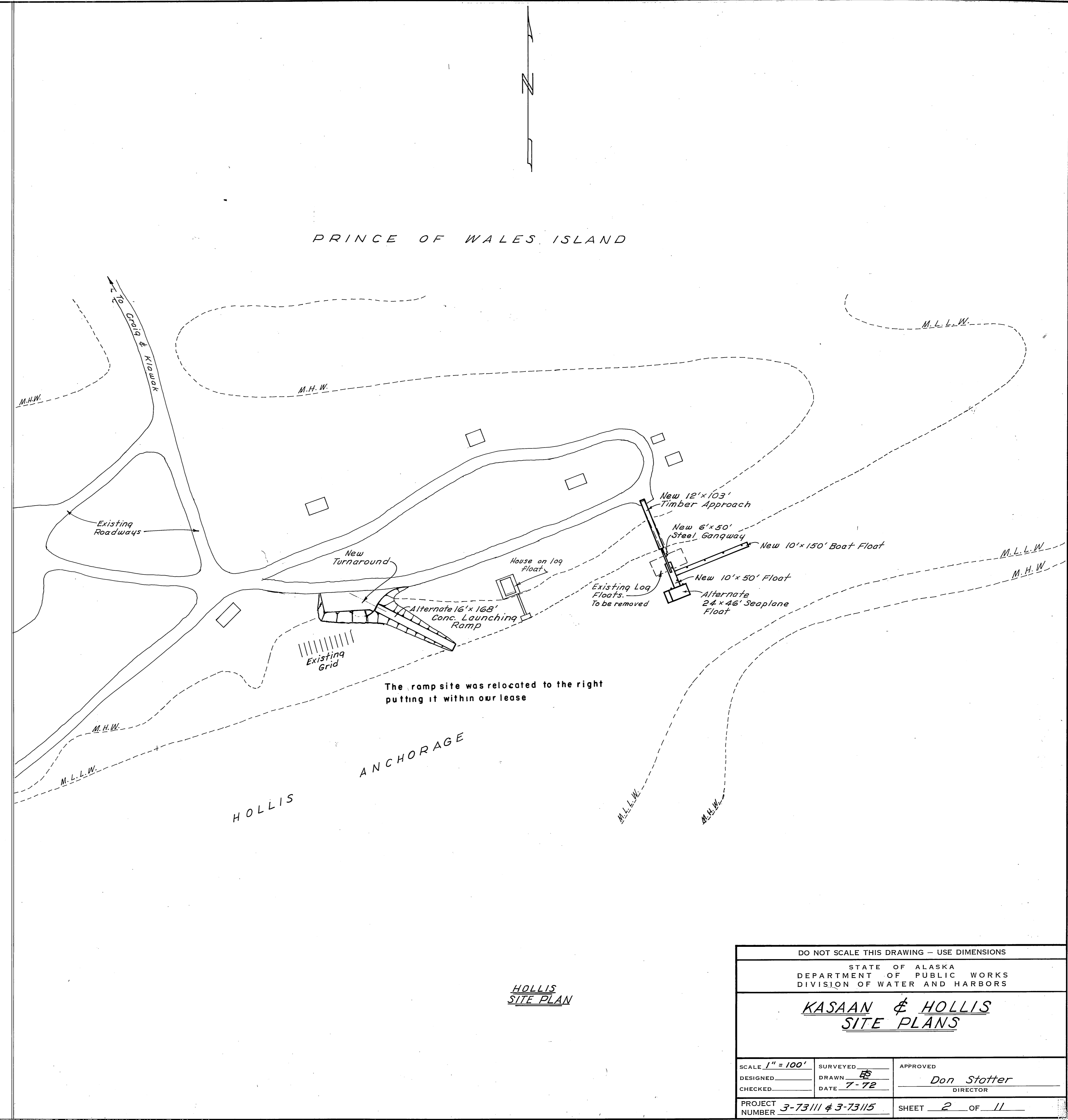
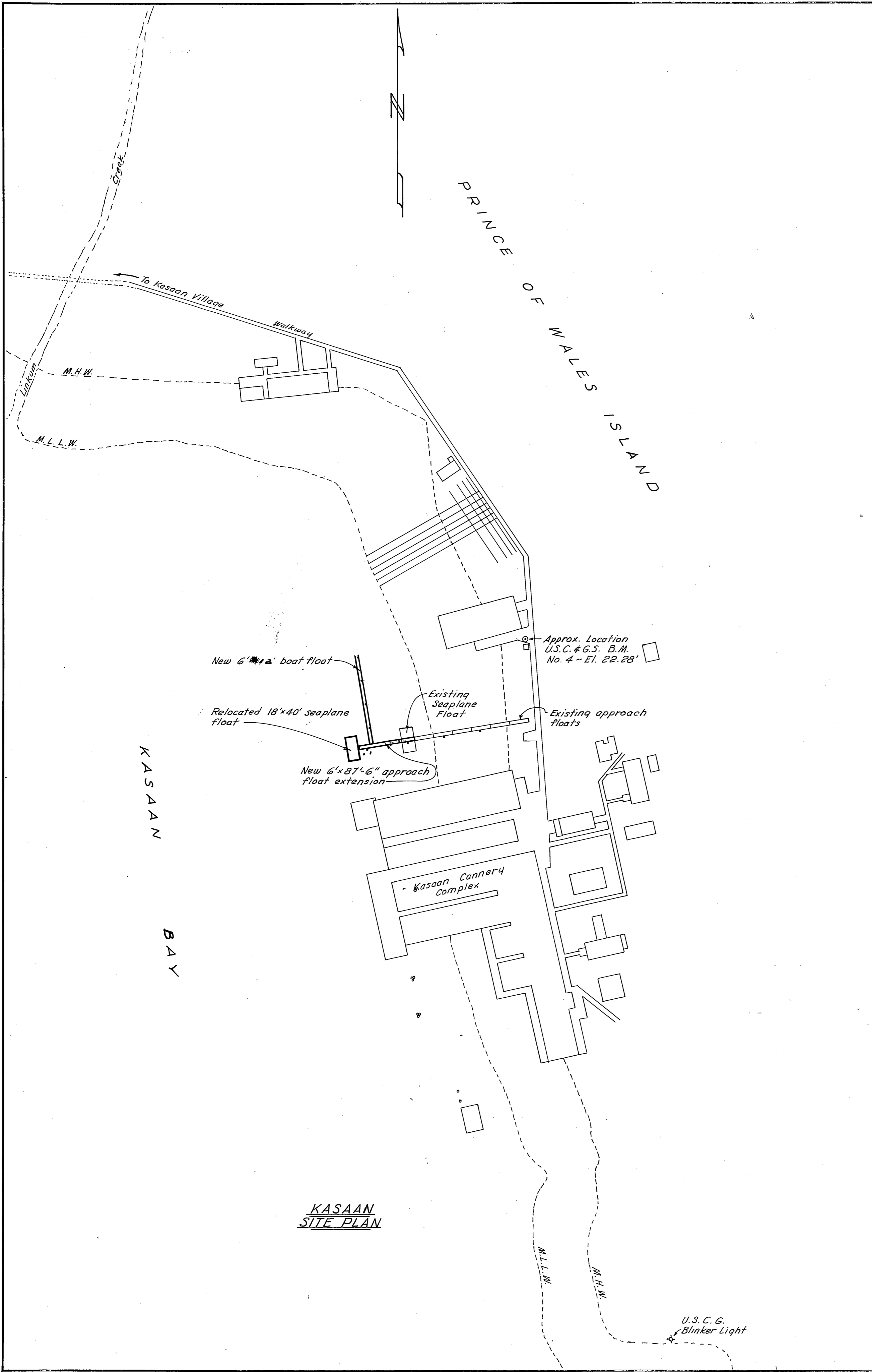
APPROVED

Wm. Statter
DIRECTOR

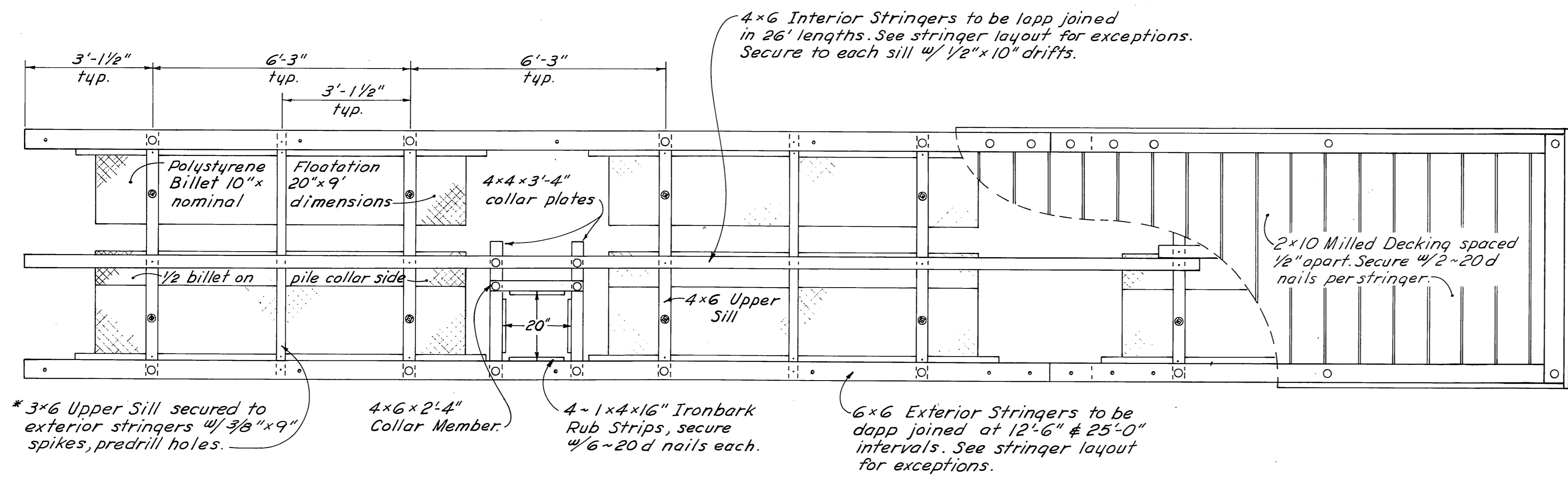
DATE 5/27/22

SHEET 1 OF 10

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



DO NOT SCALE THIS DRAWING - USE DIMENSIONS		
STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS		
KASAAN & HOLLIS SITE PLANS		
SCALE 1" = 100'	SURVEYED	APPROVED
DESIGNED	DRAWN <i>ES</i>	Don Stotter DIRECTOR
CHECKED	DATE 7-72	
PROJECT NUMBER 3-73111 & 3-73115	SHEET 2 OF 11	



* 3x6 Upper Sill secured to exterior stringers w/ 3/8"x9" spikes, predrill holes.

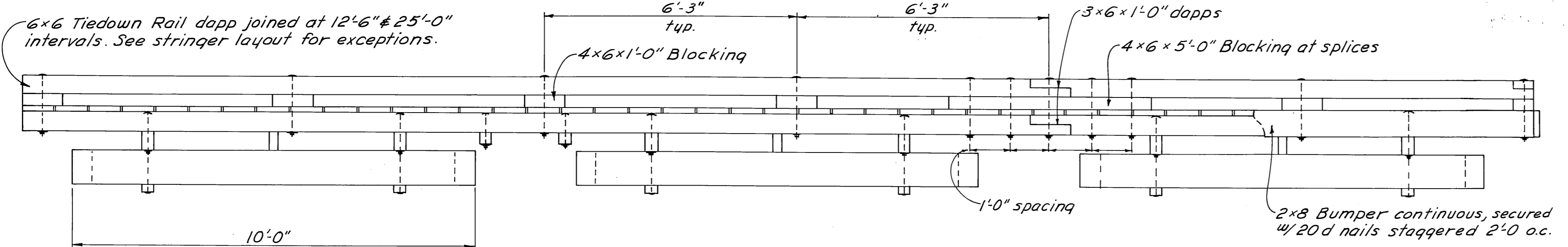
4x6x2-4" Collar Member.

4-1x4x16" Ironbark Rub Strips, secure w/ 6-20d nails each.

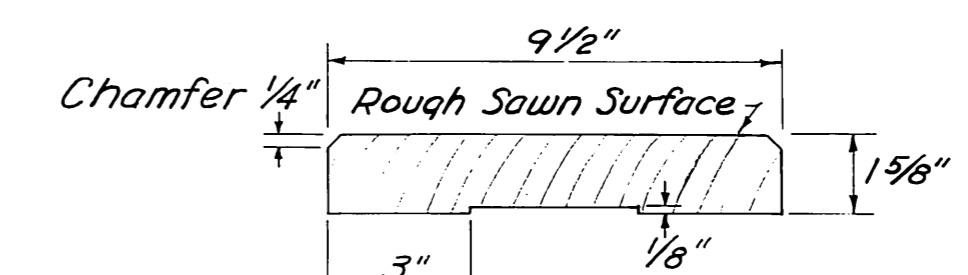
6x6 Exterior Stringers to be dapp joined at 12'-6" & 25'-0" intervals. See stringer layout for exceptions.

* 9" spike are not usually available in Alaska

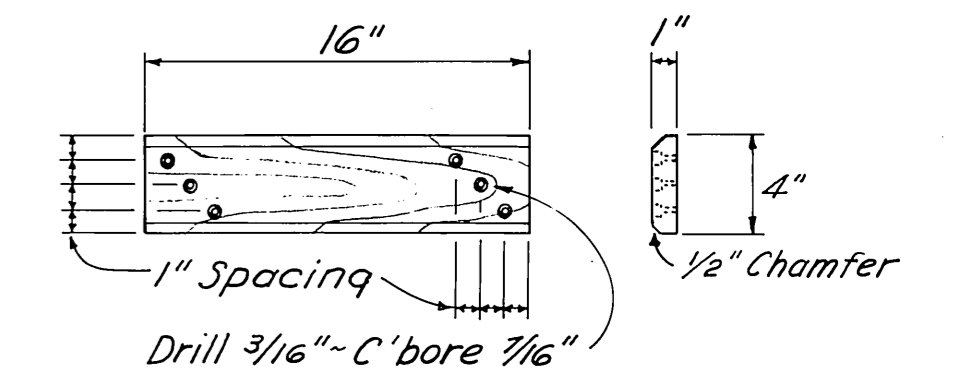
PLAN
1/2"=1'-0"



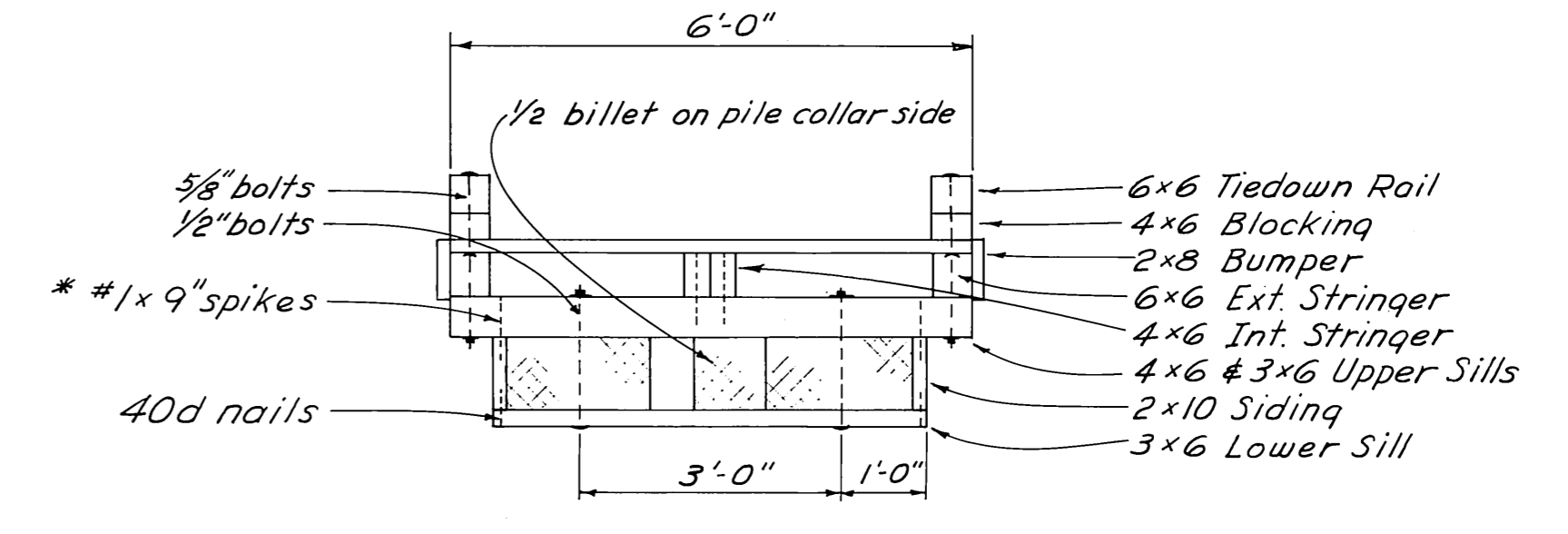
ELEVATION
1/2"=1'-0"



MILLED DECKING DETAIL
3"=1'-0"



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



* 9" spikes are not usually available in Alaska

SECTION
1/2"=1'-0"

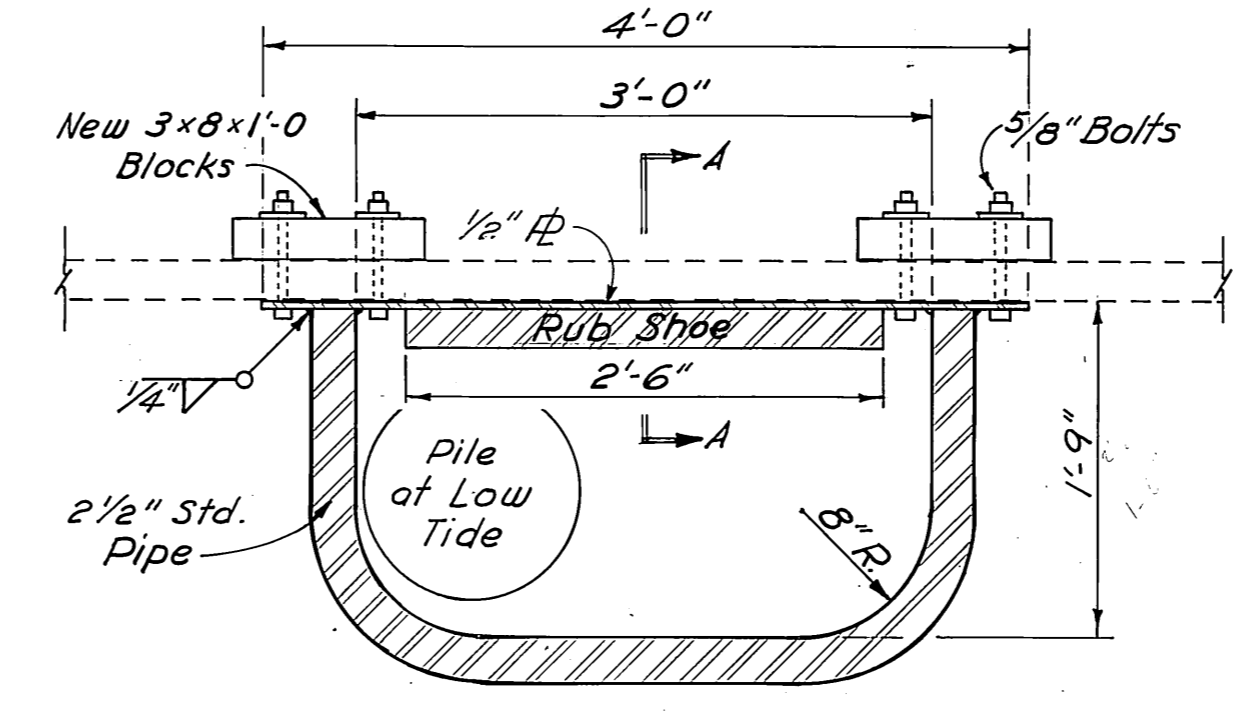
MATERIALS		
ITEM	DRESSING	TREATMENT
3x6-4x6 upper sills	S2E	Creo. 12# ret.
* 2x10 siding	2"x10" see note	" " "
3x6 lower sill	Rough	" " "
4x4 collar plates	"	8# "
4x6 collar members	S2E	" " "
4x6 interior stringers	"	" " "
6x6 exterior stringers	S4S	" " "
2x8 bumpers	"	Penta. 0.5# ret.
4x6 blocking	"	" " "
6x6 rail	"	" " "
2x10 decking	Milled	" " "

Shop Drilled Holes:
Tiedown rails - all holes.
Stringers - holes for stringer to sill bolts.
Sills - holes for floatation billet bolts.
Collar members - all holes.

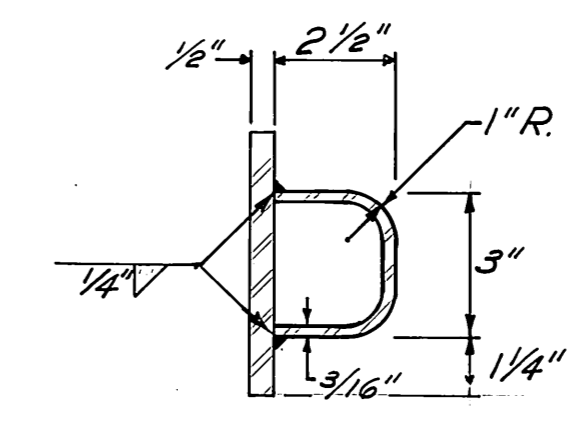
Field Drilled Holes:
Rail blocking - all holes.
Exterior stringer - holes for tiedown rail bolts.
Interior stringer - all holes.
Sills - holes for stringer to sill bolts.
Collar plates - all holes.

Tiedown rails shall extend across all float ends.
A barrier of 6 mil black polyethylene shall be placed between the contact surfaces of treated timber & floatation material except the siding.
Nails shall be galv. box.

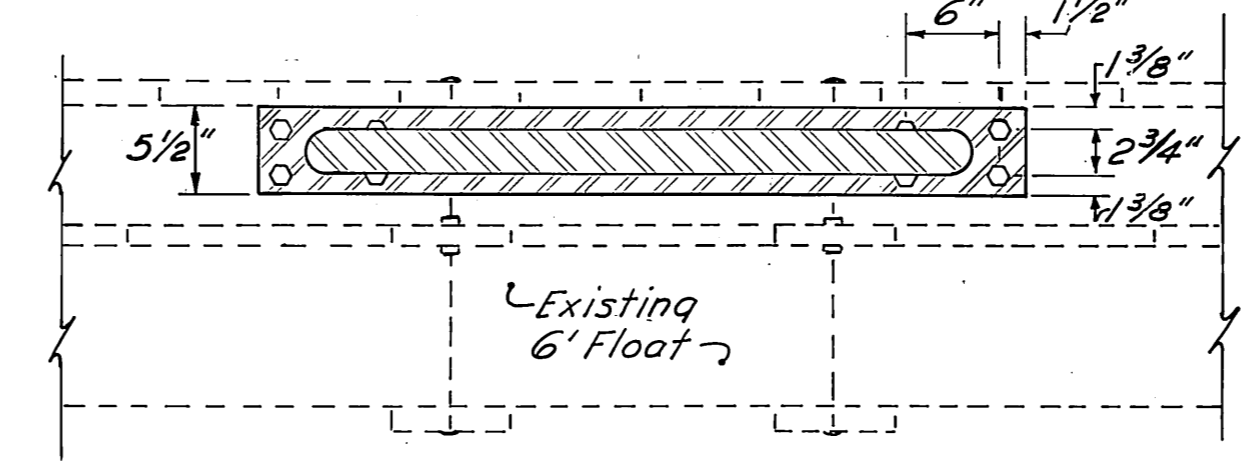
NOTES:
All pressure treated material shall be cut to size prior to treatment, and shall be Select Structural No. 1 grade Douglas Fir.
Exact width of siding to conform to thickness of floatation billets.
All piles shall be Class A creosoted to 12# retention. All 12# ret. creo. treatment shall be Full Cell.
All 8# ret. creo. treatment shall be Empty Cell.
All hardware shall be hot-dipped galvanized. A malleable iron washer shall be placed between all nut and wood surfaces. All bolts shall be of the economy headed type.
Bolt holes to be drilled 1/16" oversize except sill bolt holes for floatation billets 1/8" oversize. Drift holes to be drilled 1/16" undersize in the field. All bolt heads facing decking shall be countersunk 3/8" prior to treatment. All field drilled holes shall be treated with hot creosote oil.



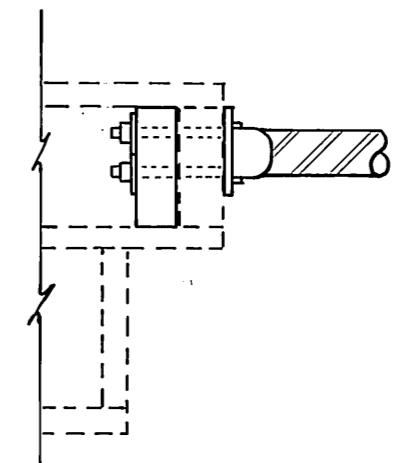
PLAN
1"=1'-0"



PILE RUB SHOE
3"=1'-0"



ELEVATION
1"=1'-0"



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

NOTE: Pile collar shown on existing 6' float. Bolt thru the exterior stringer when installed on new float.

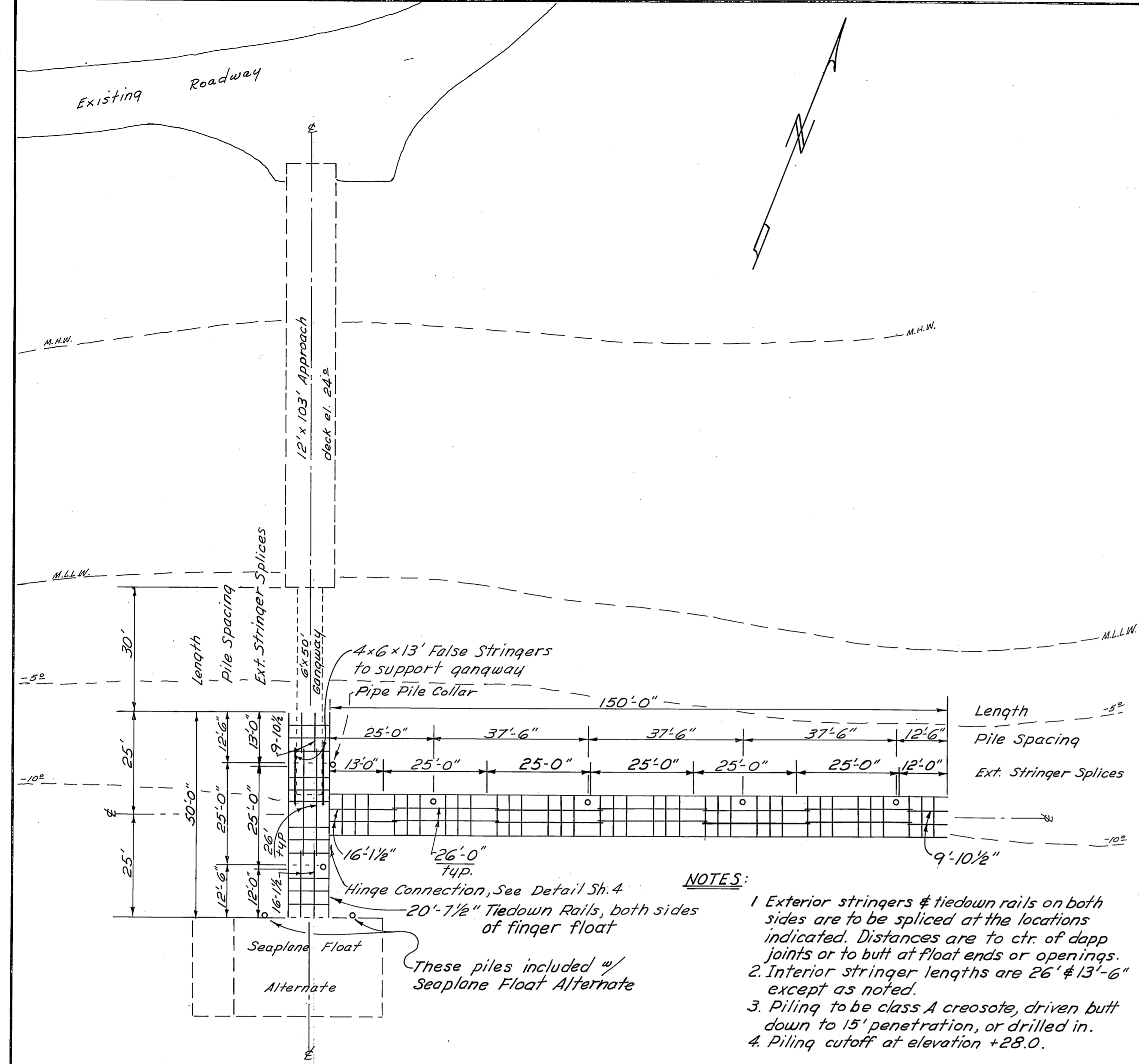
OUTSIDE PILE COLLAR

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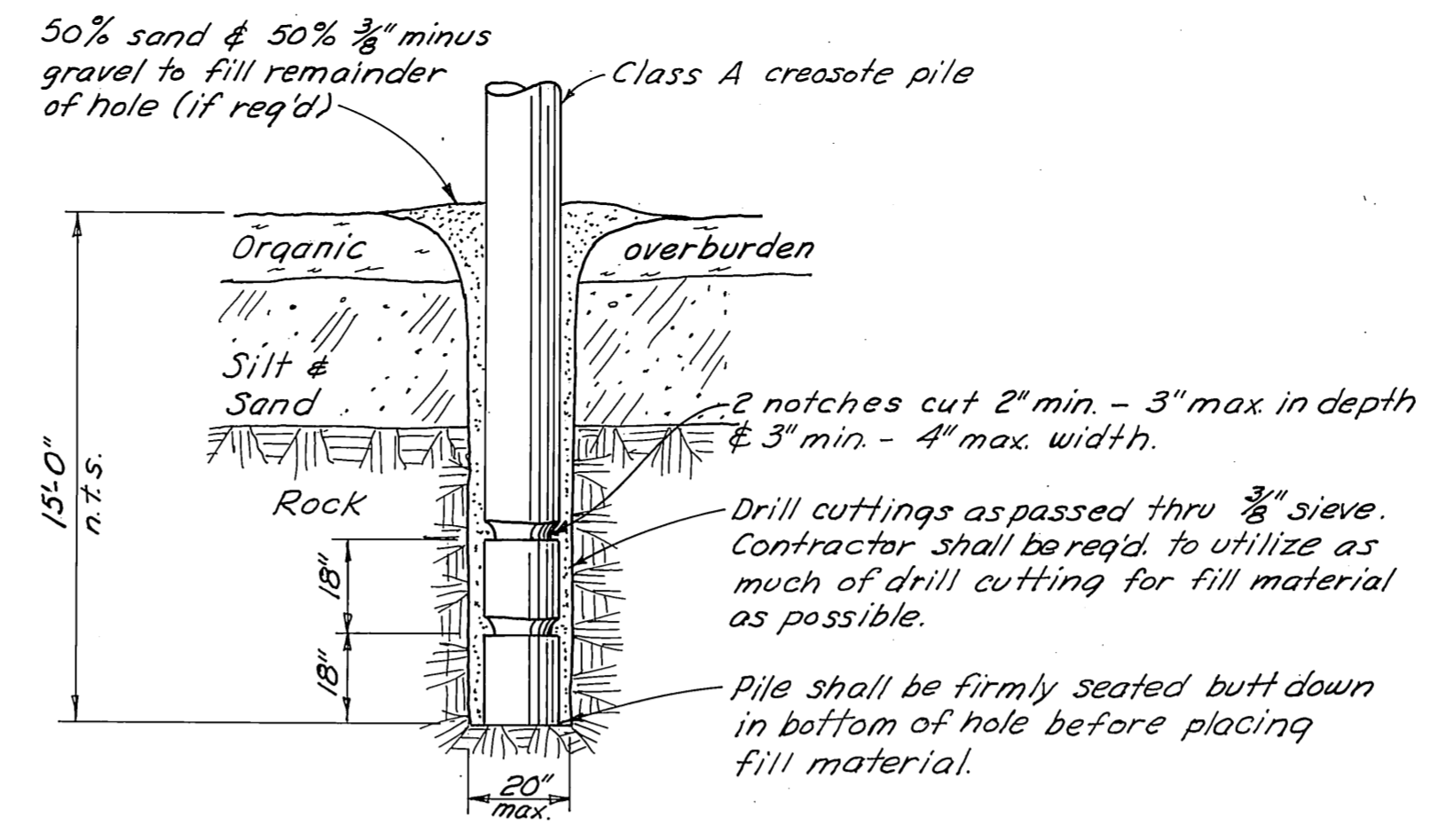
KASAAN
TYPICAL 6' FLOAT DETAILS
& OUTSIDE PILE COLLAR DETAILS

SCALE As Noted	SURVEYED	APPROVED
DESIGNED	DRAWN ES	DON STATTER DIRECTOR
CHECKED	DATE May 1972	
PROJECT NUMBER 3-75111	SHEET 4 OF 10	



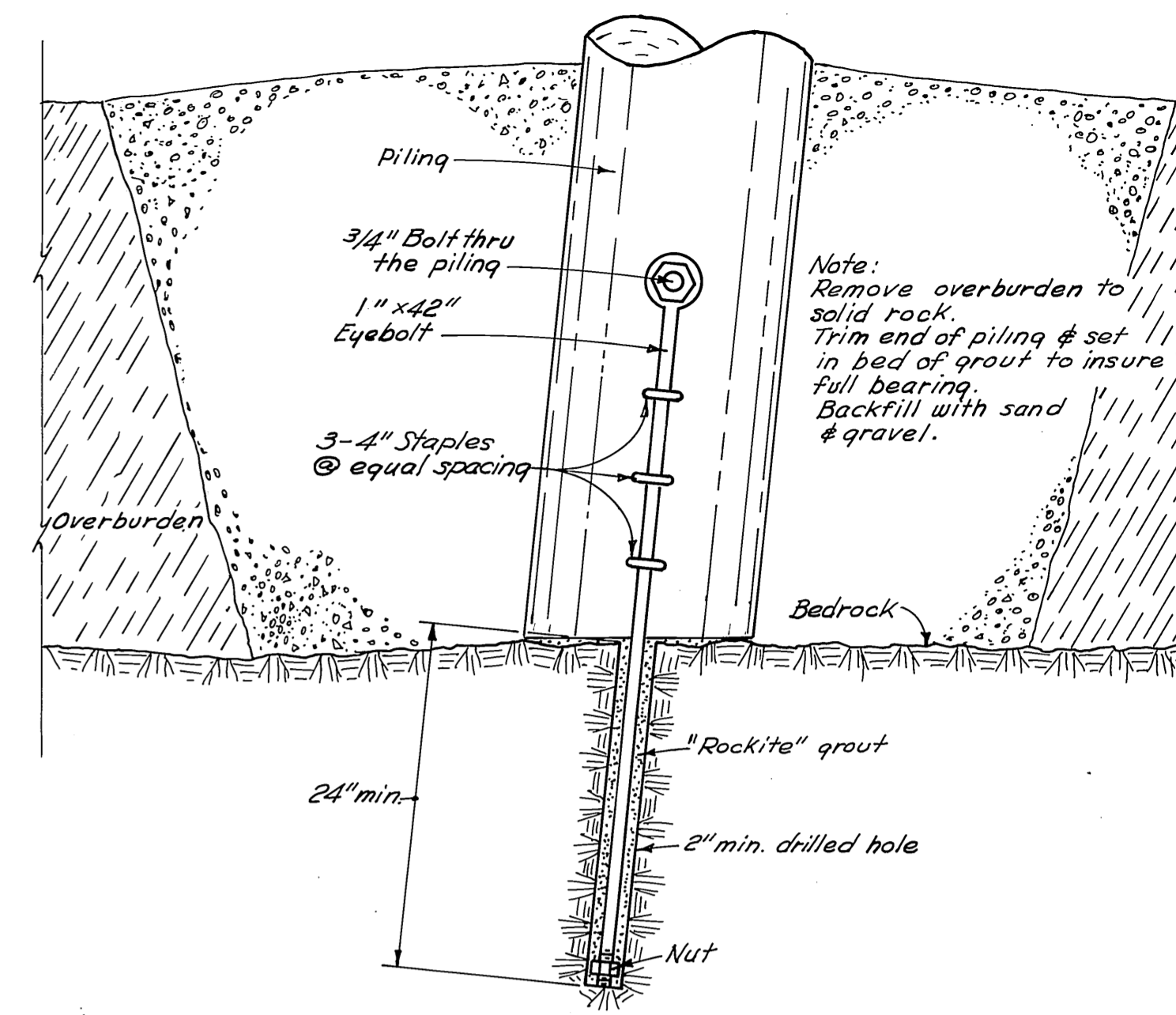
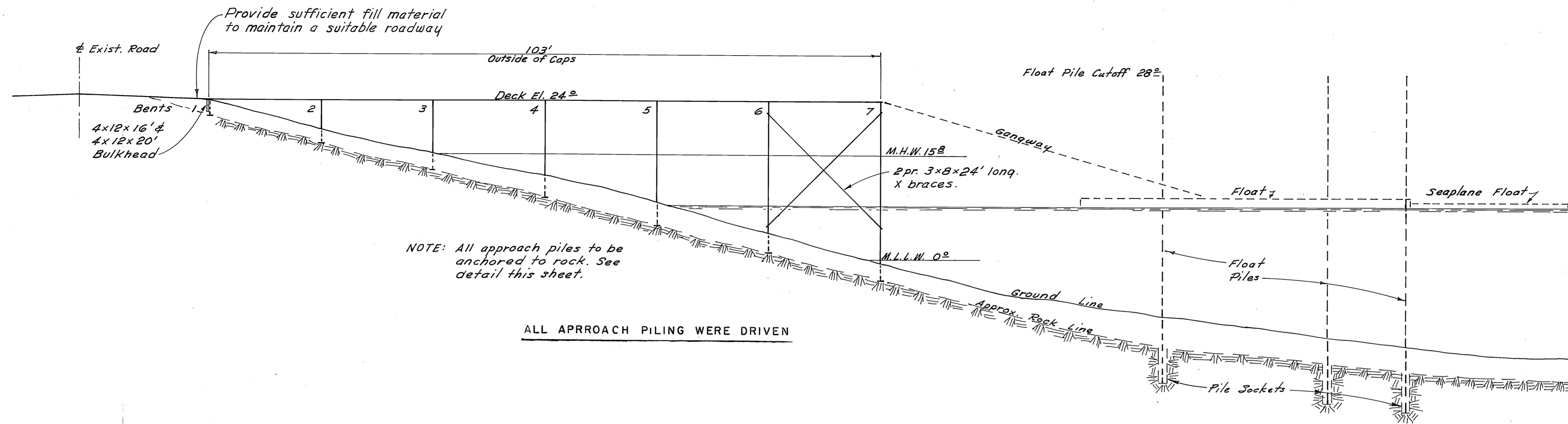
LAYOUT & STRINGER DIAGRAM
1" = 20'

- NOTES:**
1. Exterior stringers & tiedown rails on both sides are to be spliced at the locations indicated. Distances are to ctr. of dapp joints or to butt at float ends or openings.
 2. Interior stringer lengths are 26' & 13'-6" except as noted.
 3. Piling to be class A creosote, driven butt down to 15' penetration, or drilled in.
 4. Piling cutoff at elevation +28.0.



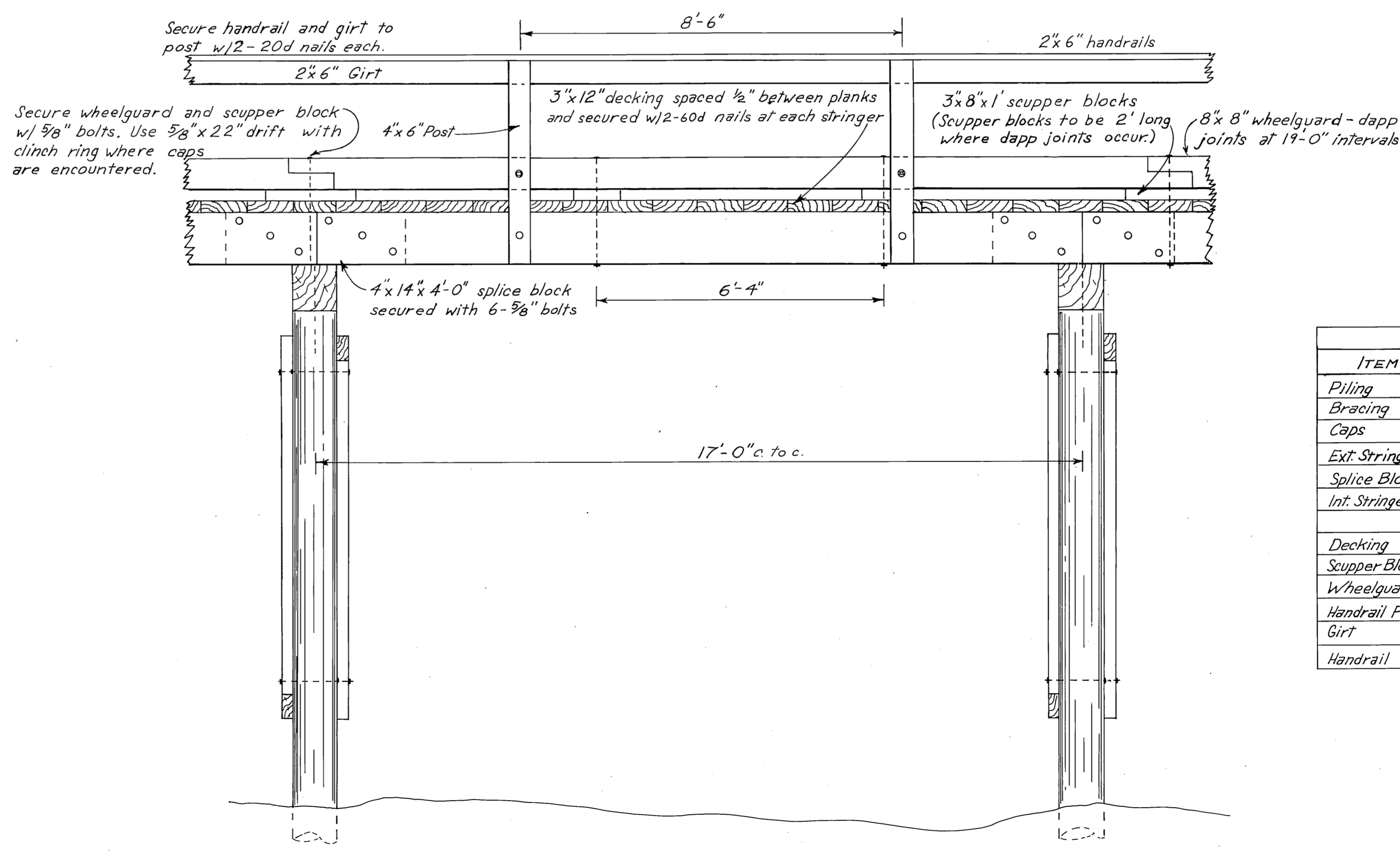
TYPICAL DRILL HOLE & PILE INSTALLATION
3/8" = 1'-0"

DO NOT SCALE THIS DRAWING - USE DIMENSIONS		
STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS		
HOLLIS LAYOUT & STRINGER DIAGRAM MISC. DETAILS		
SCALE <i>As Noted</i>	SURVEYED _____	APPROVED _____
DESIGNED _____	DRAWN <i>ES</i>	Don Statter DIRECTOR
CHECKED _____	DATE <i>7-72</i>	
PROJECT NUMBER <i>3-73115</i>	SHEET <i>5</i> OF <i>10</i>	



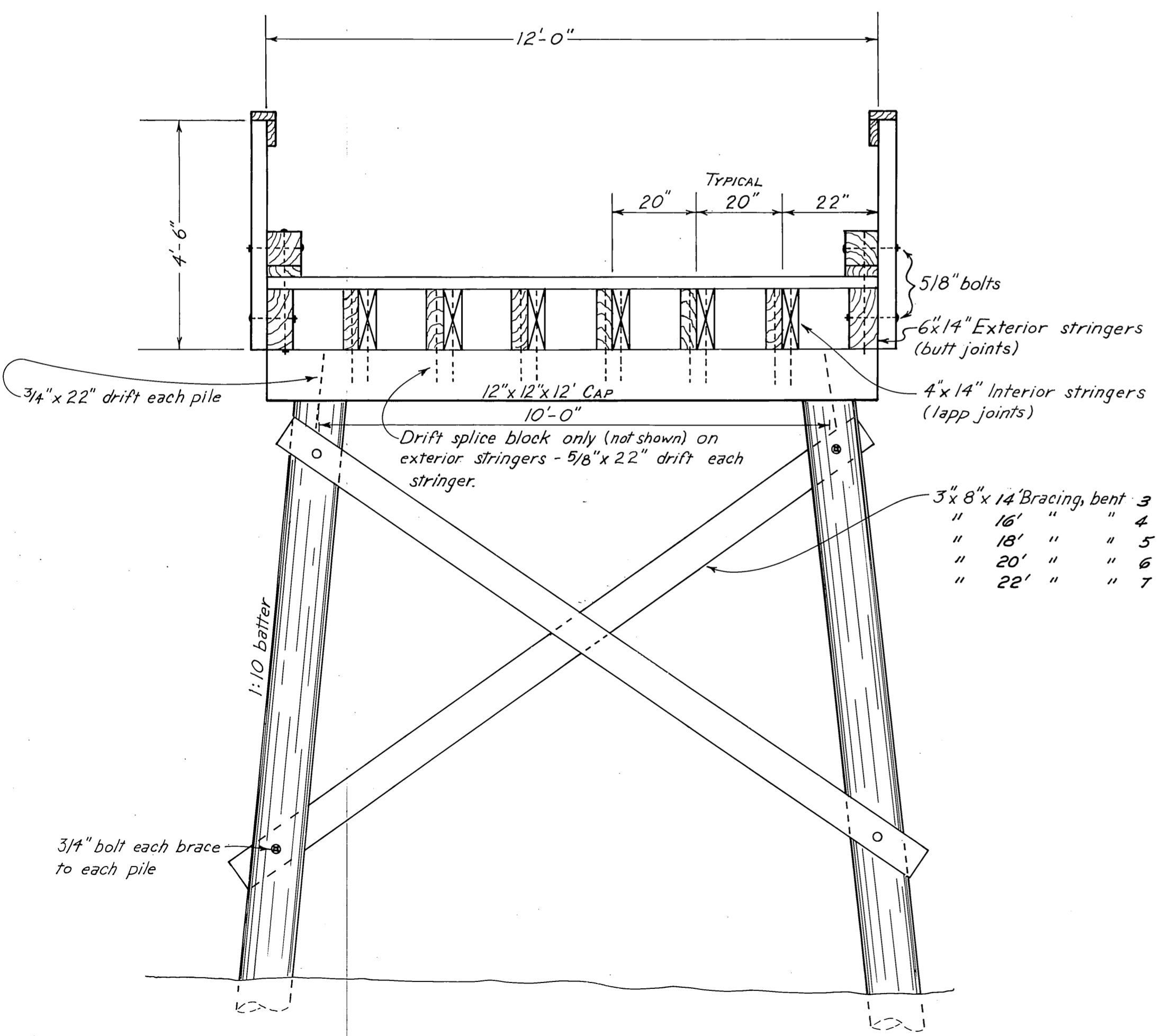
DETAIL Piling Anchor 1/2" = 1'-0"

PROFILE 1" = 10'



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.



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

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

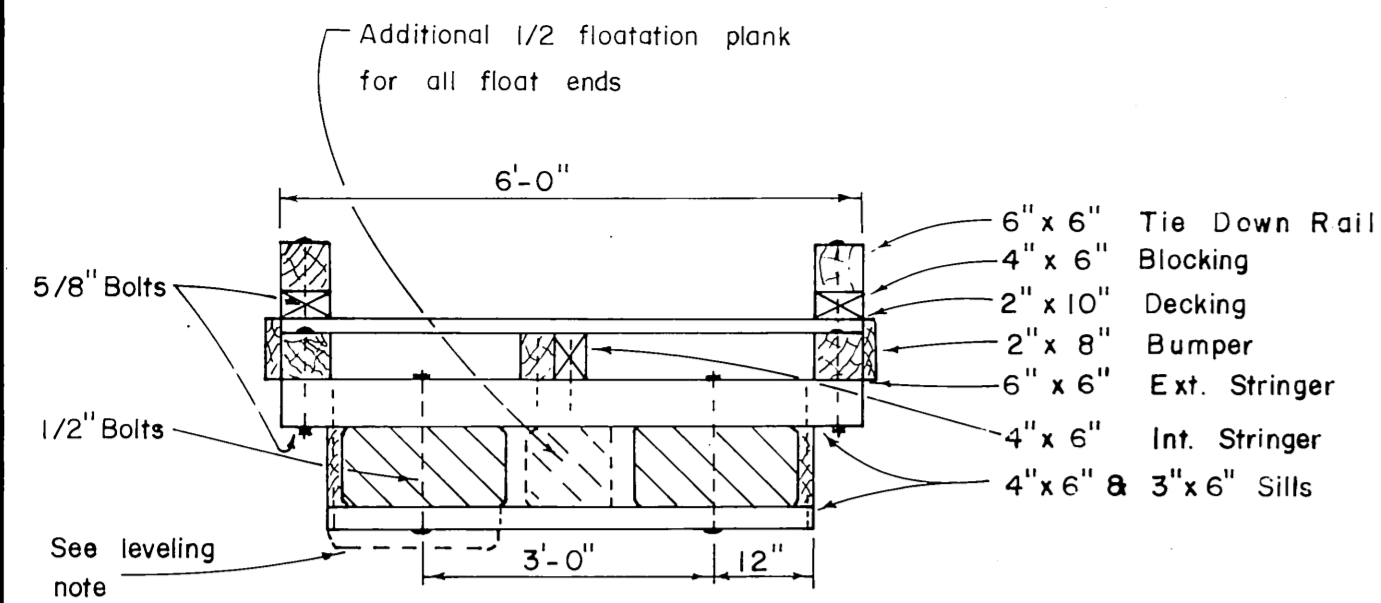
ITEM	MATERIALS			TYPE
	GRADE	DRESSING	CREO. TREAT.	
Piling	Class B		12" Ret.	Douglas Fir
Bracing	Sel. Struc. No. 1	Rough	"	"
Caps	"	S&S	8" Ret.	"
Ext. Stringers	"	"	"	"
Splice Blocks	"	S2E	"	"
Int. Stringers	"	"	"	"
Decking	"	SIS2E	"	"
Scupper Block	"	S&S	"	"
Wheelguard	"	"	"	"
Handrail Post	"	"	"	"
Girt	"	"	0.5 W.R. Penta	"
Handrail	"	"	0.5 W.R. Penta	"

DO NOT SCALE THIS DRAWING - USE DIMENSIONS

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DIVISION OF WATER AND HARBORS

HOLLIS
TYPICAL 12'-0" APPROACH
CONSTRUCTION DETAILS

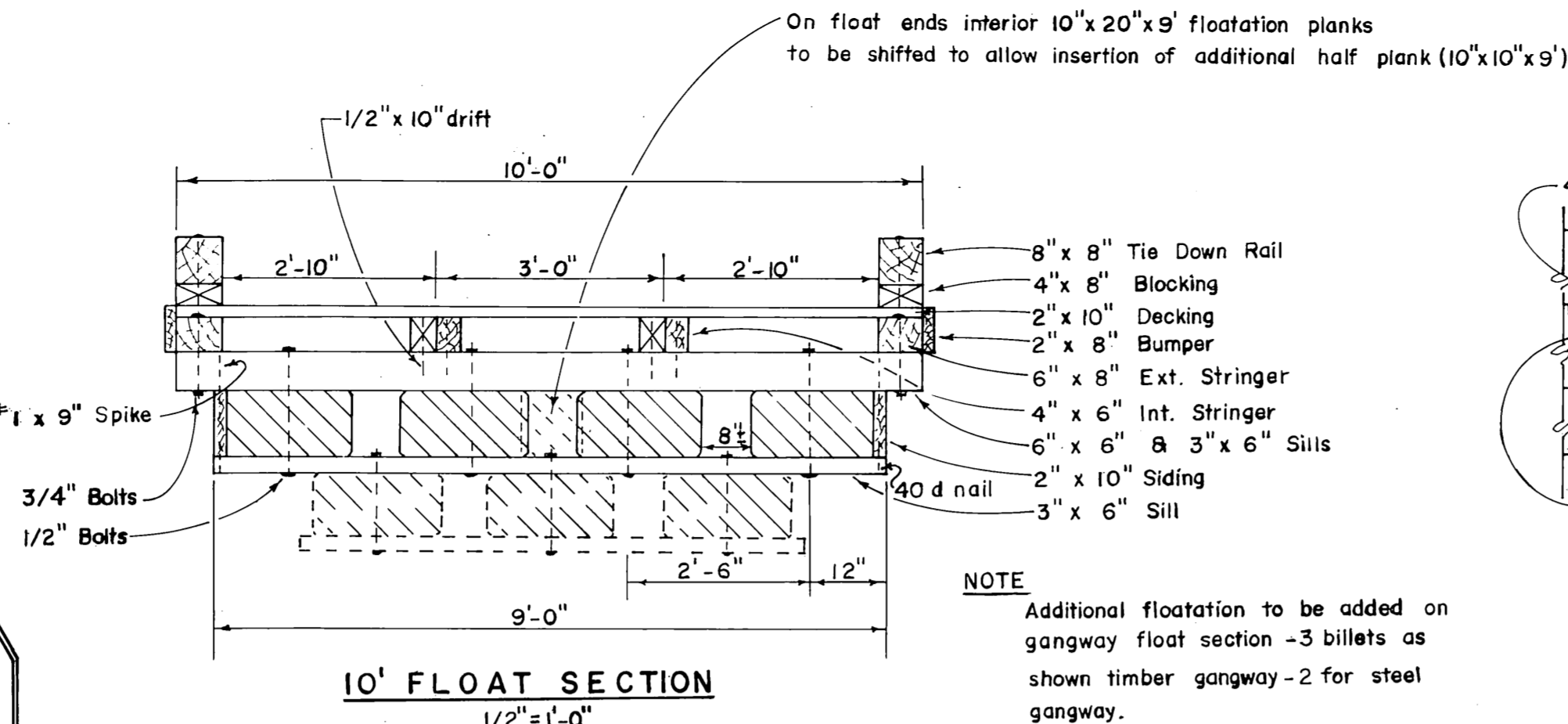
SCALE AS SHOWN	SURVEYED	APPROVED
DESIGNED DS	DRAWN CED	Don Statter
CHECKED	DATE	DIRECTOR
PROJECT NUMBER 3-73115		SHEET 6 OF 10



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

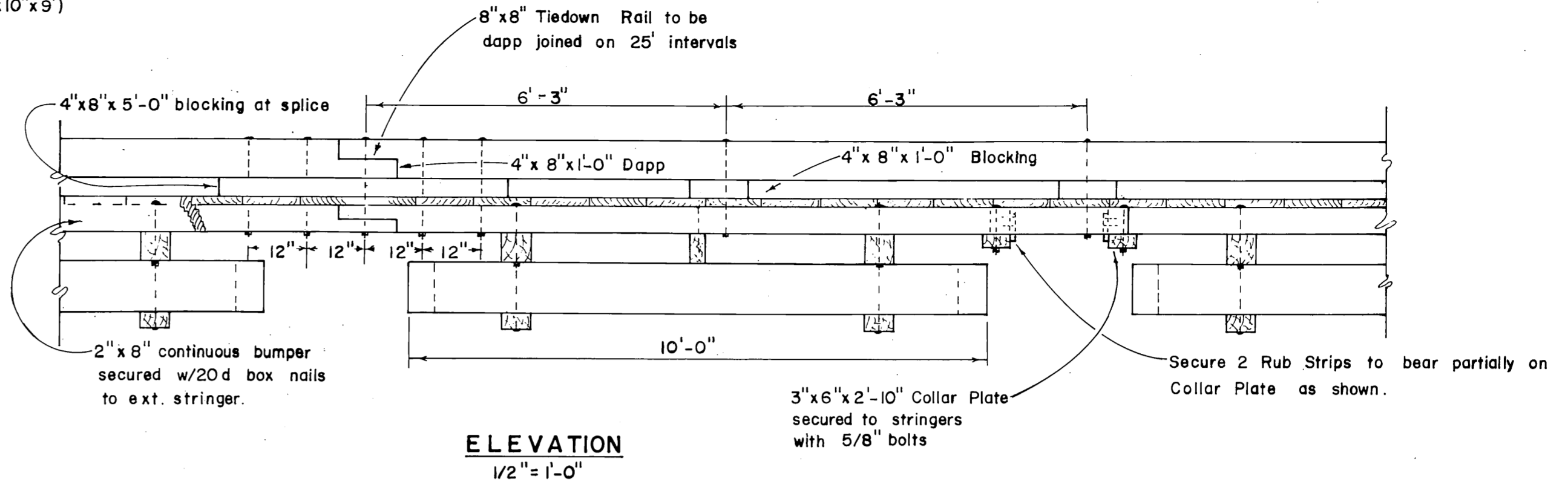
NOTE
6' float construction shall conform to 10' float constr. except as noted.

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" "ell" pin (see detail, this sheet), 3 places, approx. equally spaced.

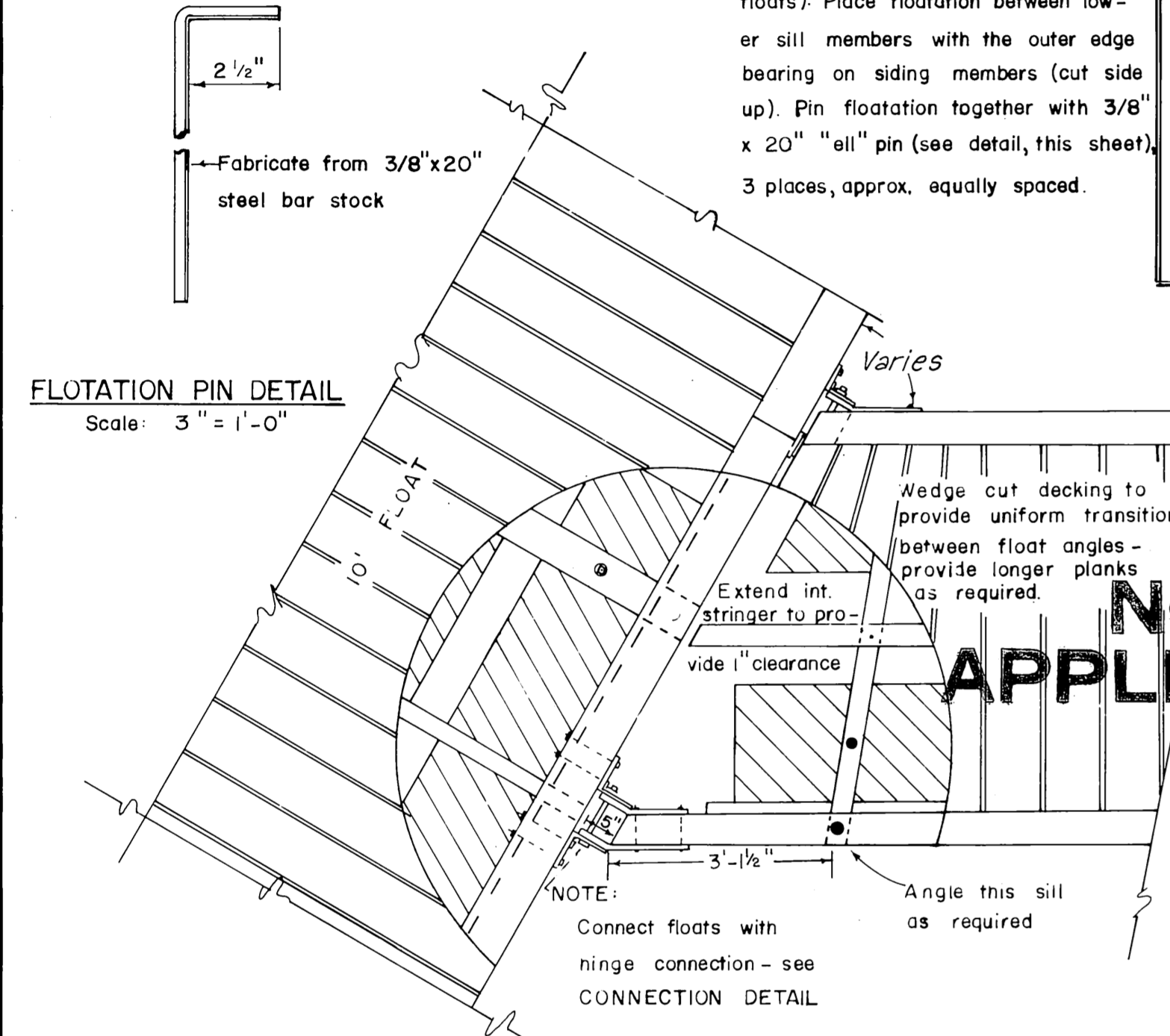


10' FLOAT SECTION
1/2" = 1'-0"

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

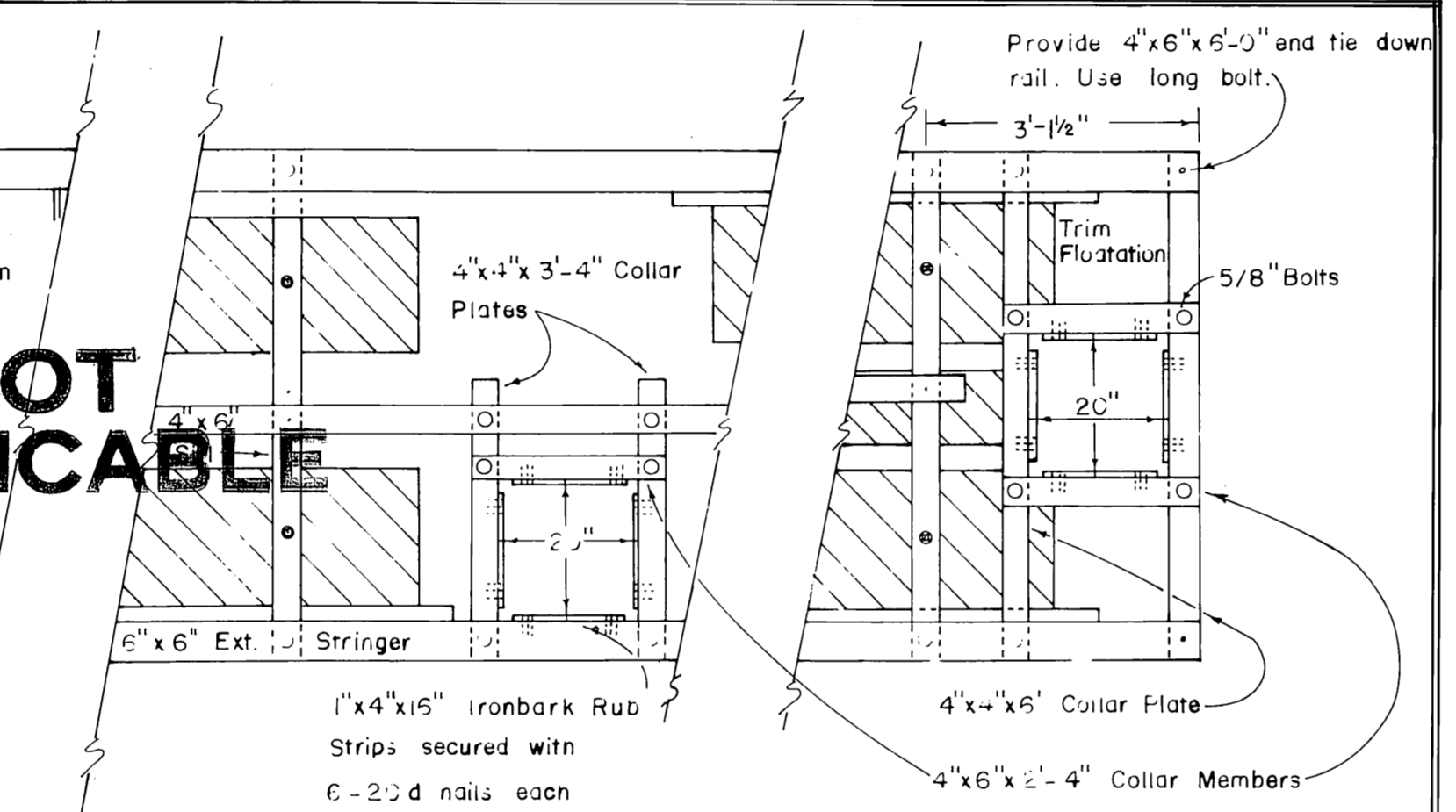


ELEVATION
1/2" = 1'-0"

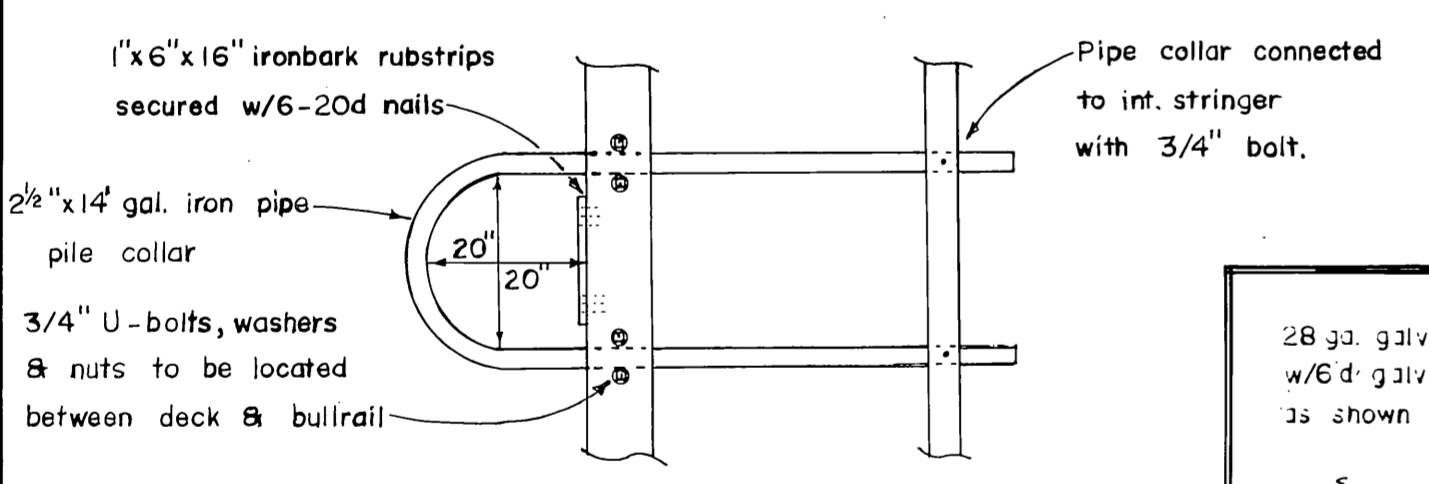


FLOTATION PIN DETAIL
Scale: 3" = 1'-0"

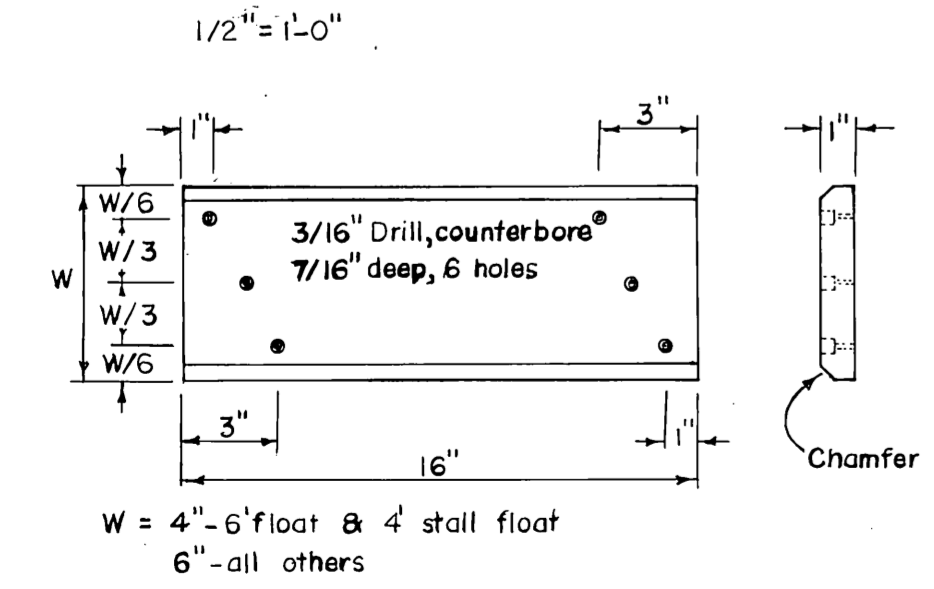
NOT APPLICABLE



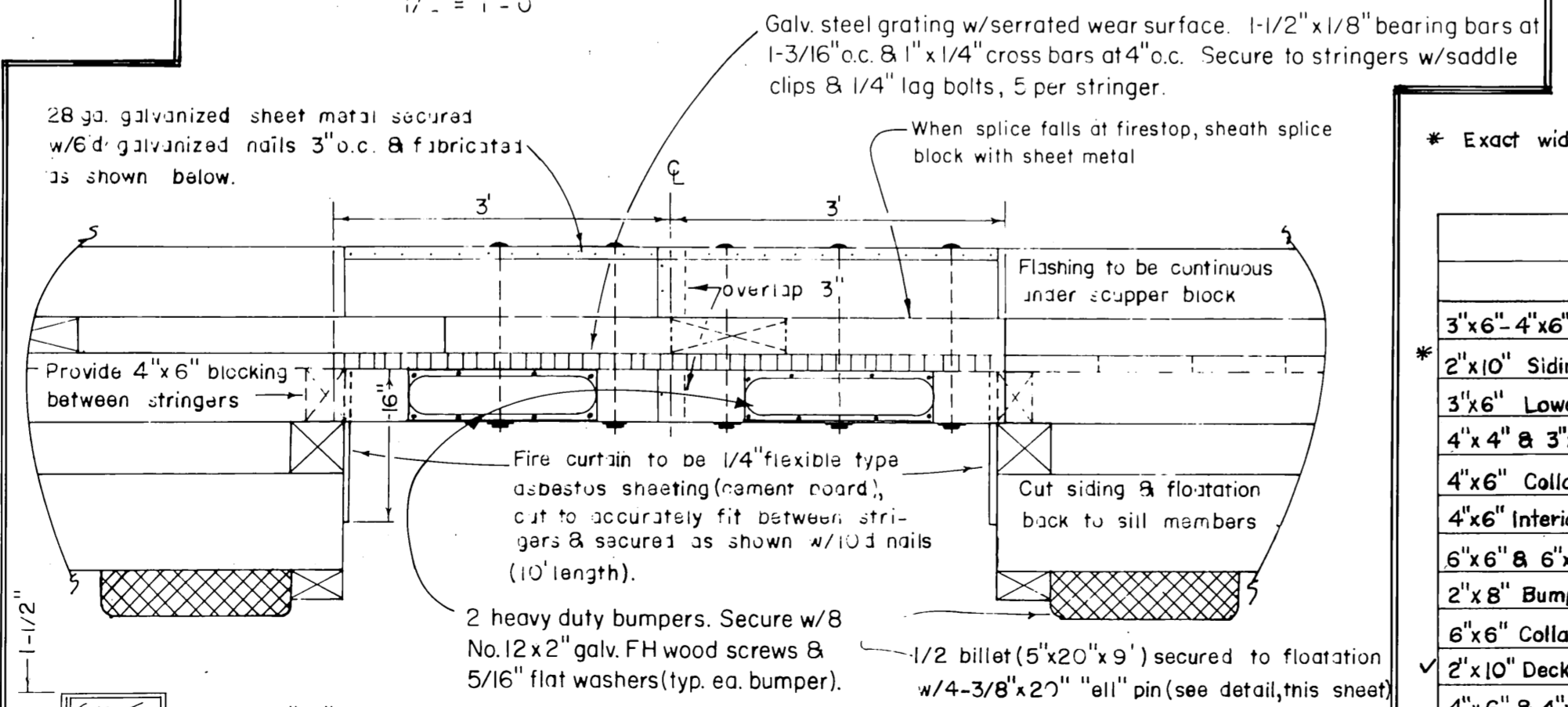
CONNECTION & COLLAR DETAIL
6' STALL FLOAT
1/2" = 1'-0"



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

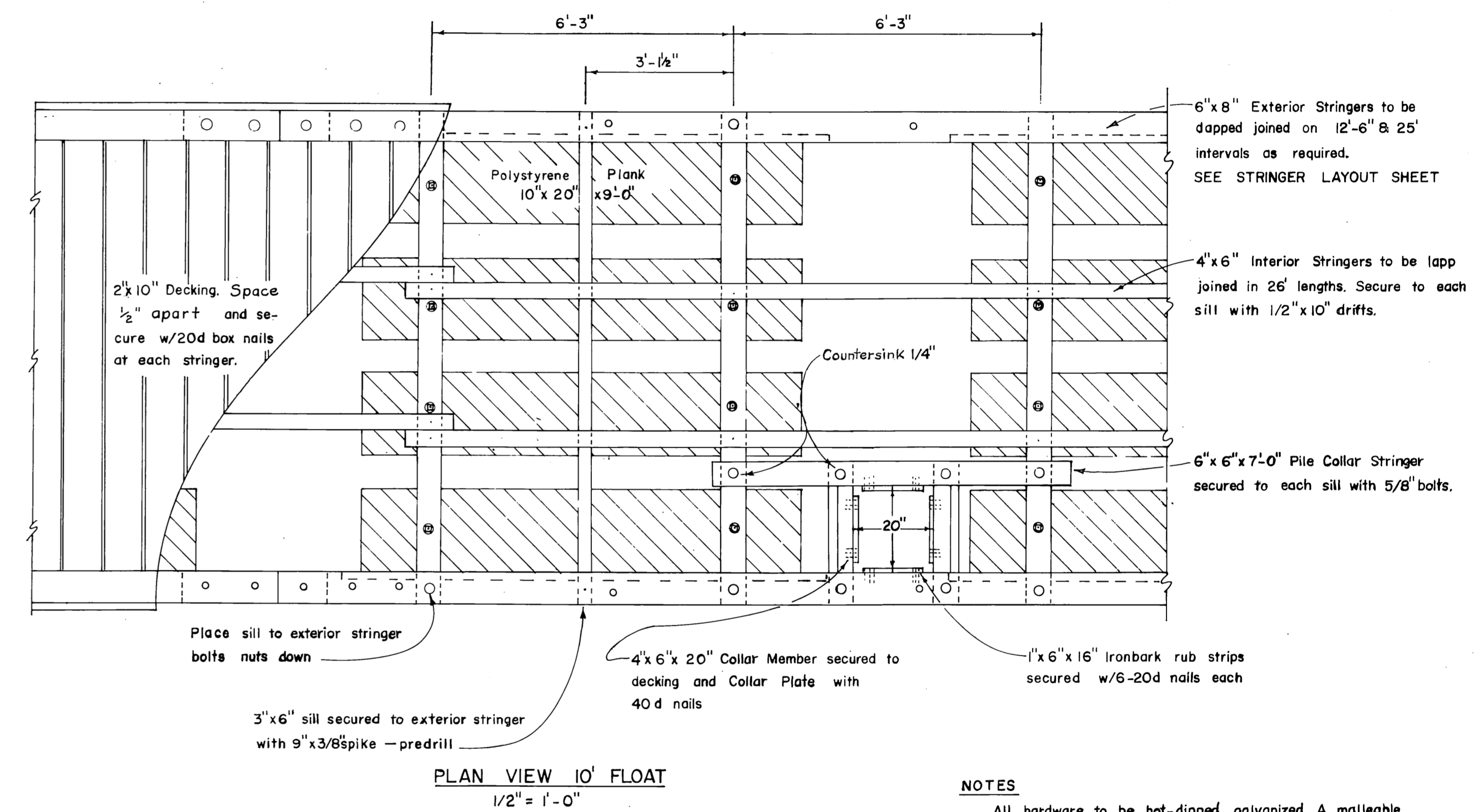


IRONBARK RUB STRIP
1" = 6"



FIRE STOP DETAILS
Scale 3/4" 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"

* Exact width to conform to width of floatation material

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 10 1/2"	" "
3' x 6" Lower Sill	Rough	" "
4' x 4" & 3' x 6" Collar Plates	Rough	8 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	" "	05lb. Penta
6' x 6" Collar Stringers	" "	8lb. creo. ret.
2' x 10" Decking	Milled	05lb. Penta.
4' x 6" & 4' x 8" Blocking	S-4-S	" "
6' x 6" & 8' x 8" Rail	" "	" "

All material to be select struct. no. 1 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
✓ See Sheet 4 for detail.

PRE-DRILLED BOLT HOLES

COLLAR MEMBERS - all holes
SILLS - holes 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. holes for tiedown rail bolts
2. " " pile collar plate bolt

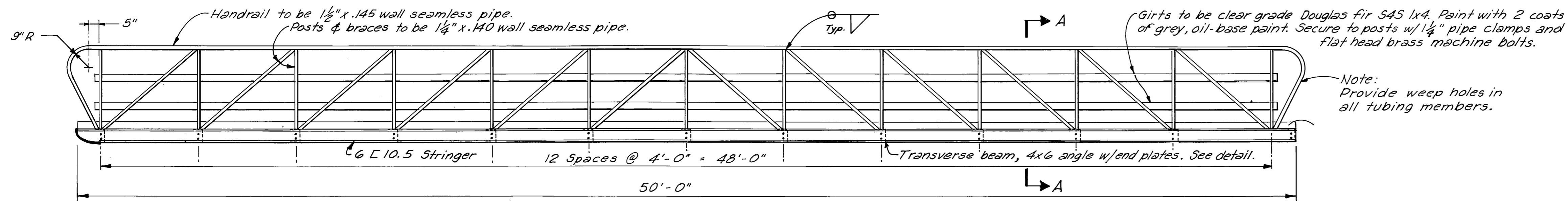
NOTES
All hardware to be hot-dipped galvanized. A malleable iron washer shall be placed between all nut and wood surfaces. All bolts to be of the economy headed type. Bolt holes to be drilled 1/16" oversize except sill bolt holes for floatation planks 1/8" oversize. Drift holes to be drilled 1/16" undersize. 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 3/8" 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).

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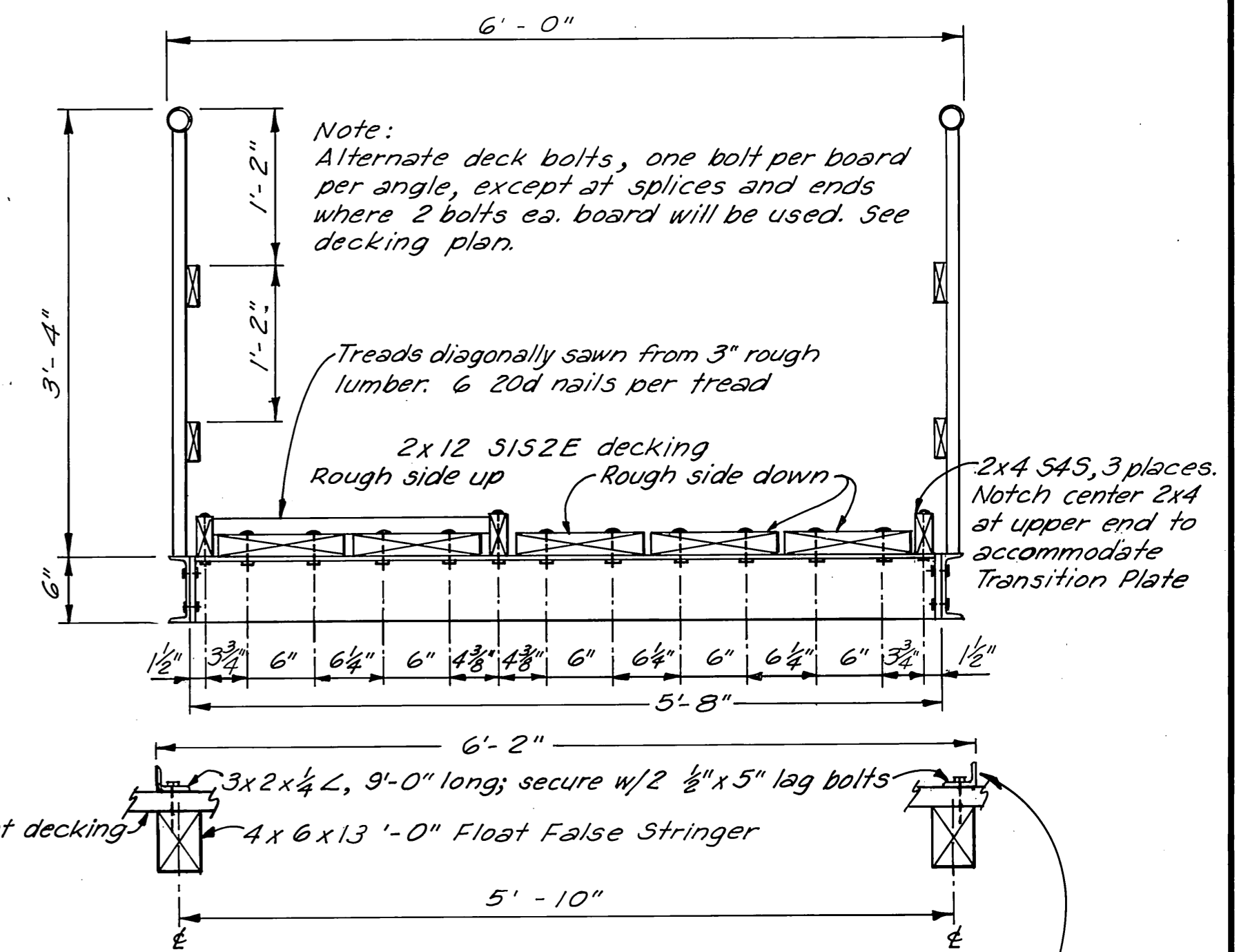
HOLLIS
TYPICAL FLOATS

SCALE As shown	SURVEYED -	APPROVED
DESIGNED DW/DS	DRAWN MH/JET	Don Statter
CHECKED DS	DATE 4-68	DIRECTOR
PROJECT NUMBER 3-73115	SHEET 7 OF 10	

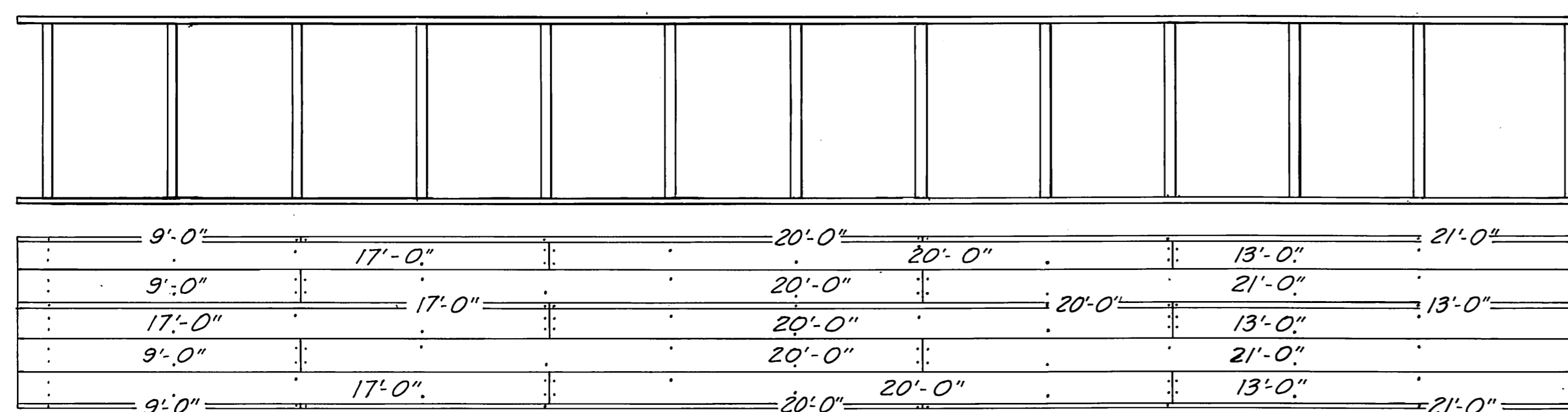
1	Changed treatment for Bumpers, Decking, Blocking & Tie-down rails to 05lb Penta. Spaced deck planks 1/2"	7-29-71	JET
No.	Revision	Date	By



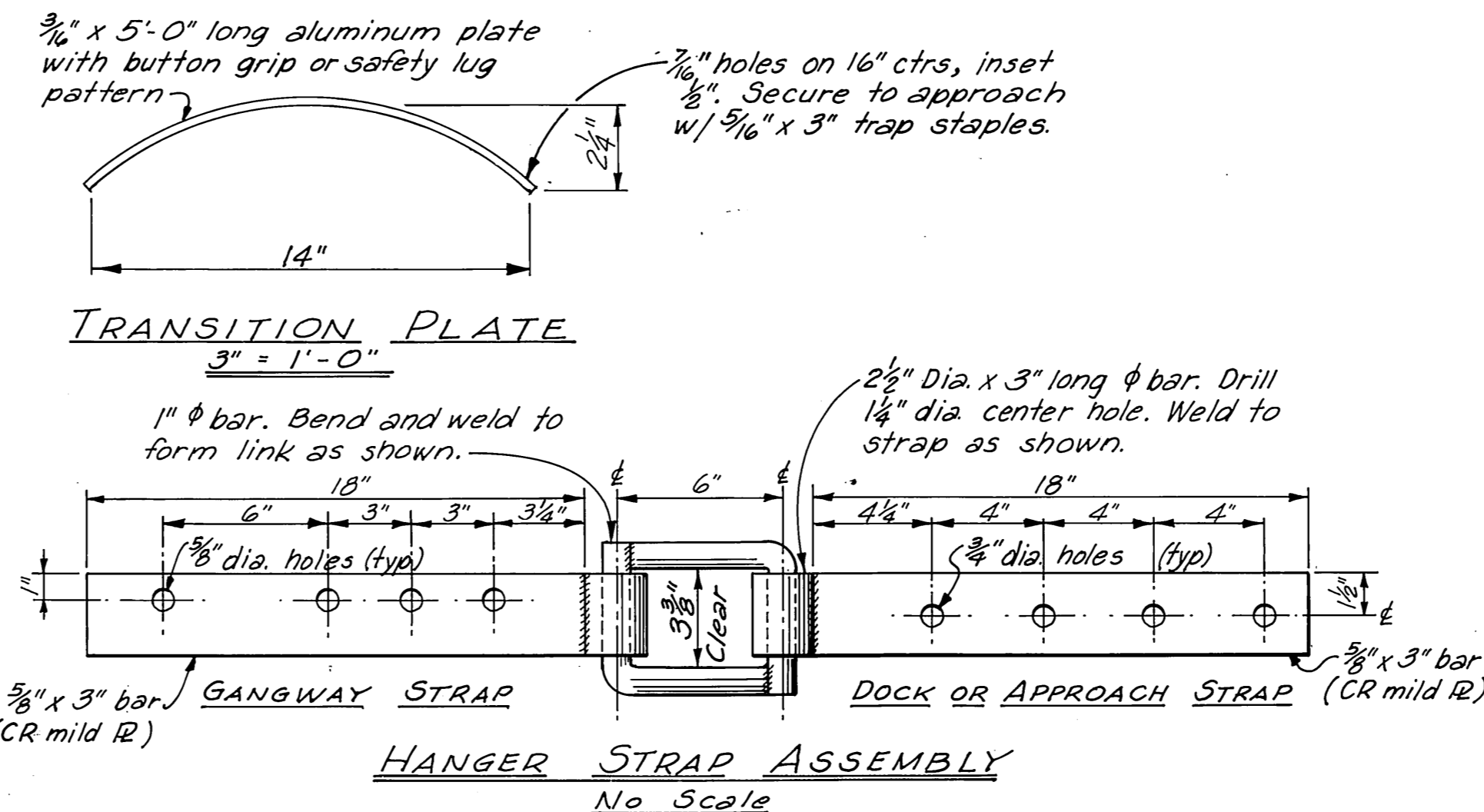
SIDE ELEVATION
3/8" = 1'-0"



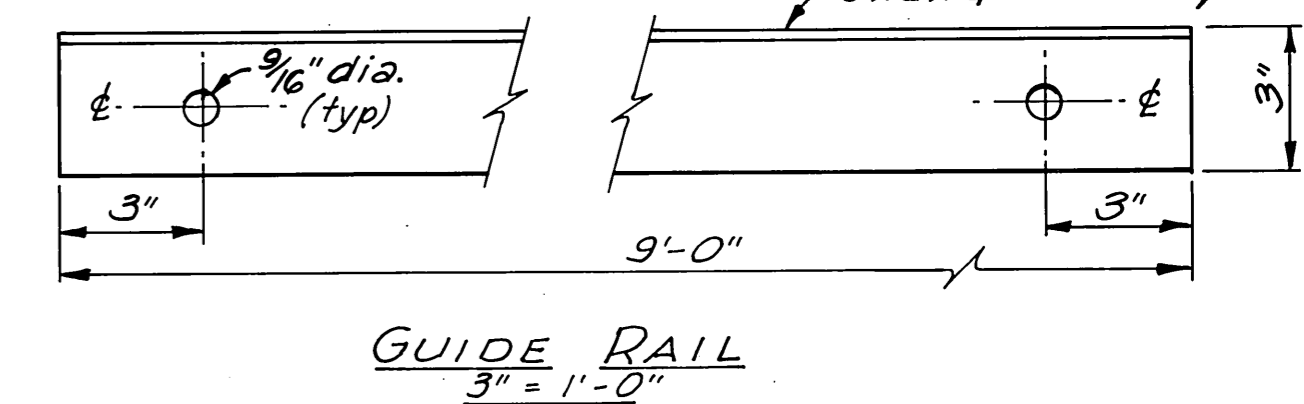
SECTION A-A
1" = 1'-0"



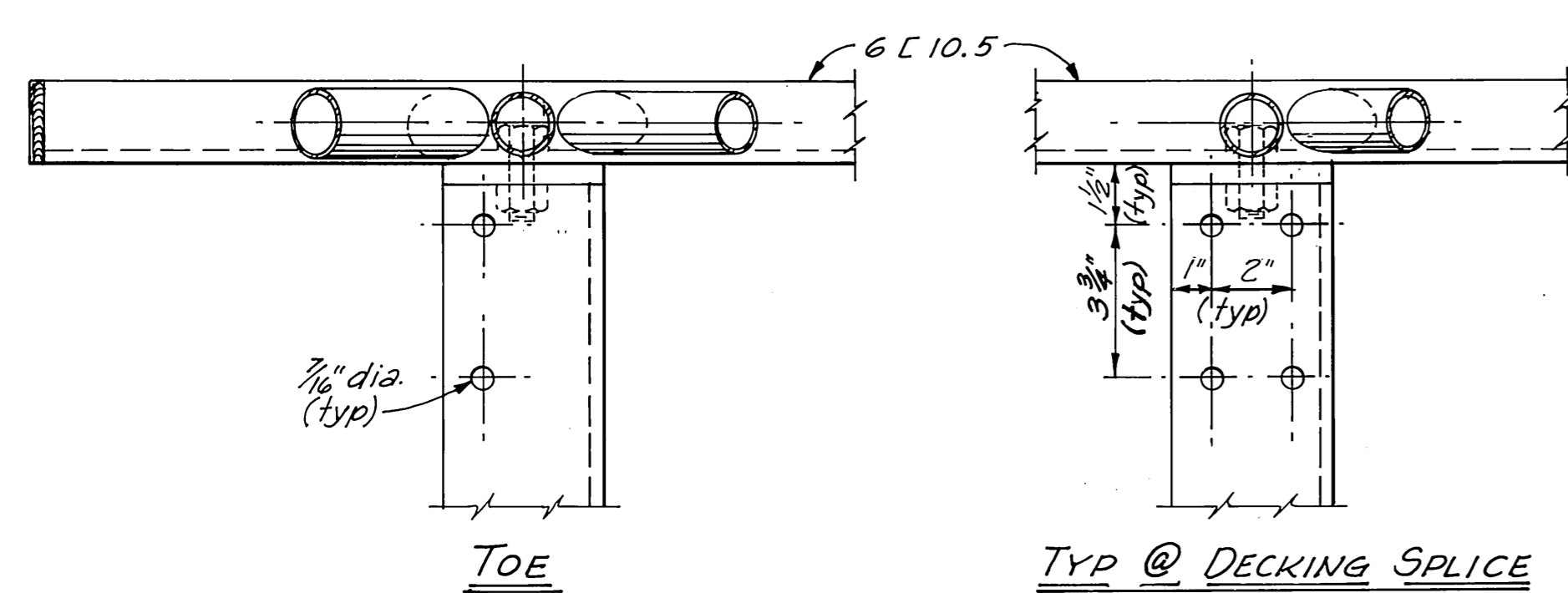
DECKING SPLICE LAYOUT
1/4" = 1'-0"



HANGER STRAP ASSEMBLY
No Scale

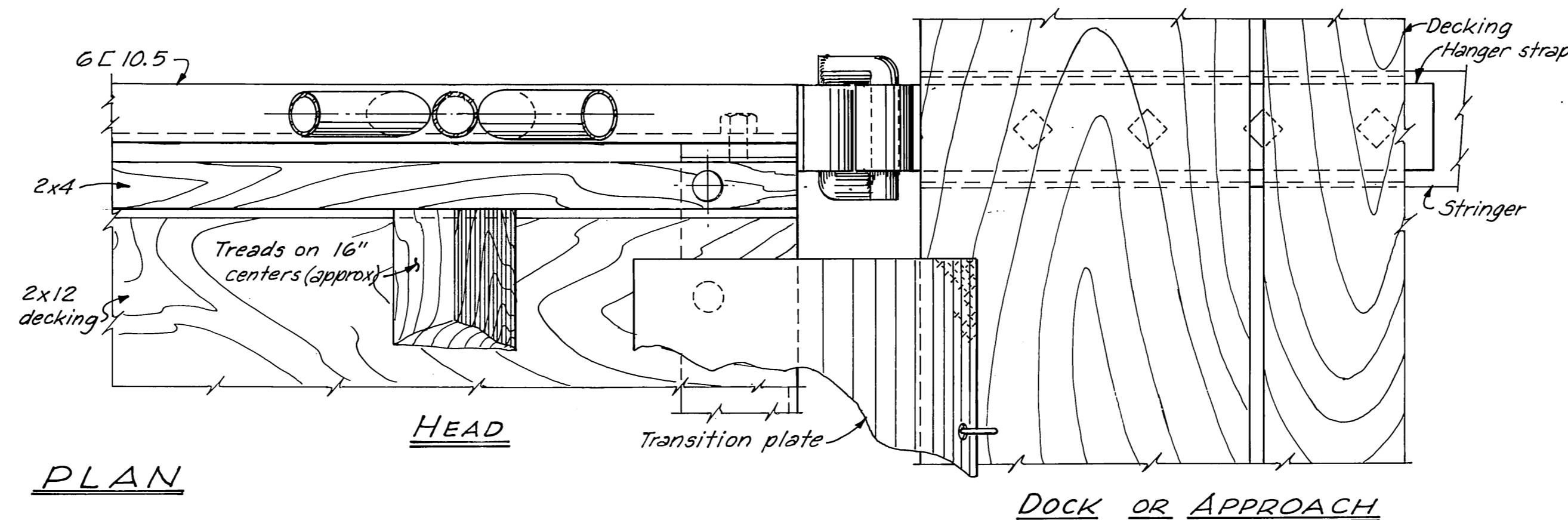


GUIDE RAIL
3" = 1'-0"



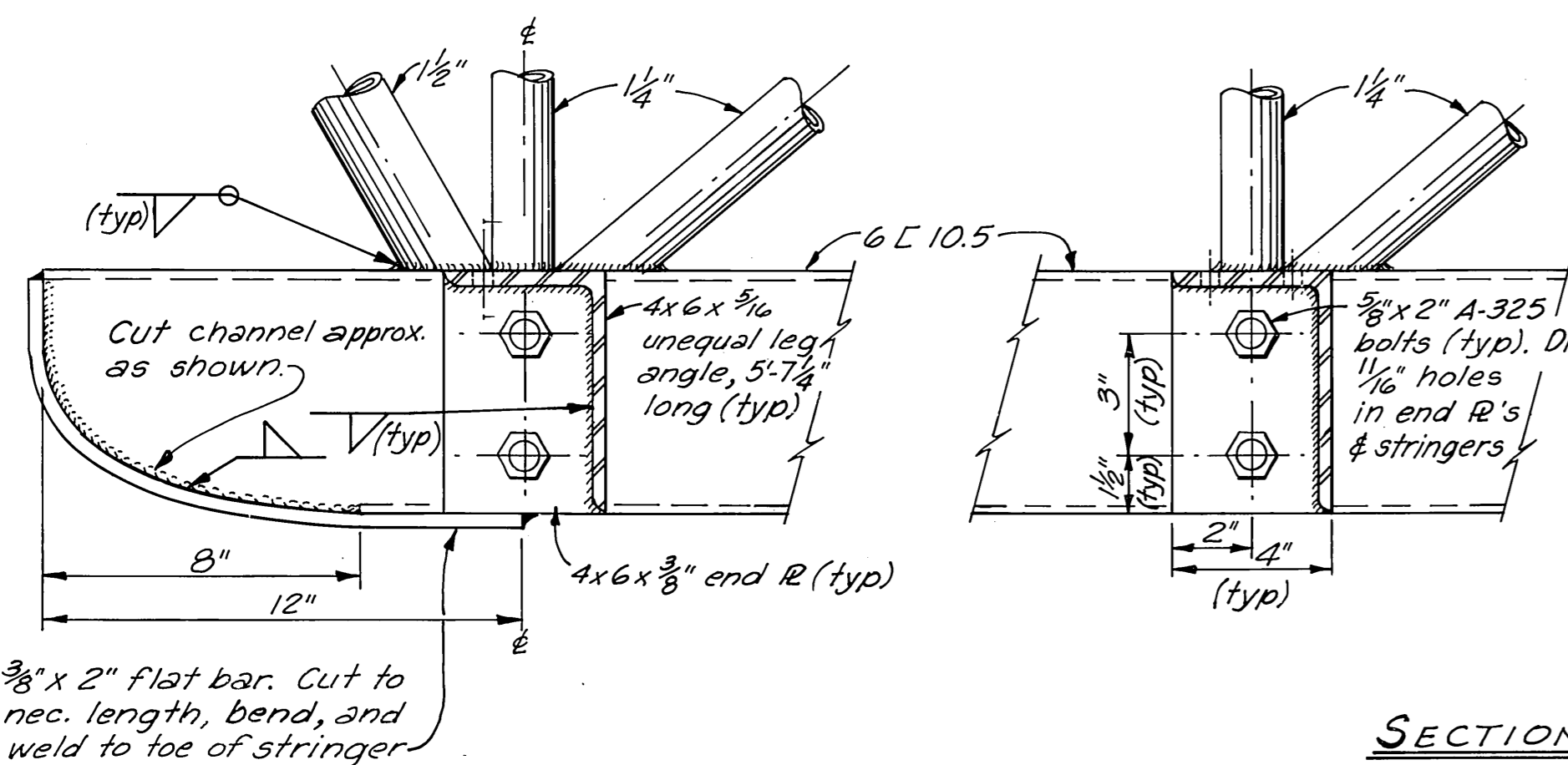
TOE

TYP @ DECKING SPLICE

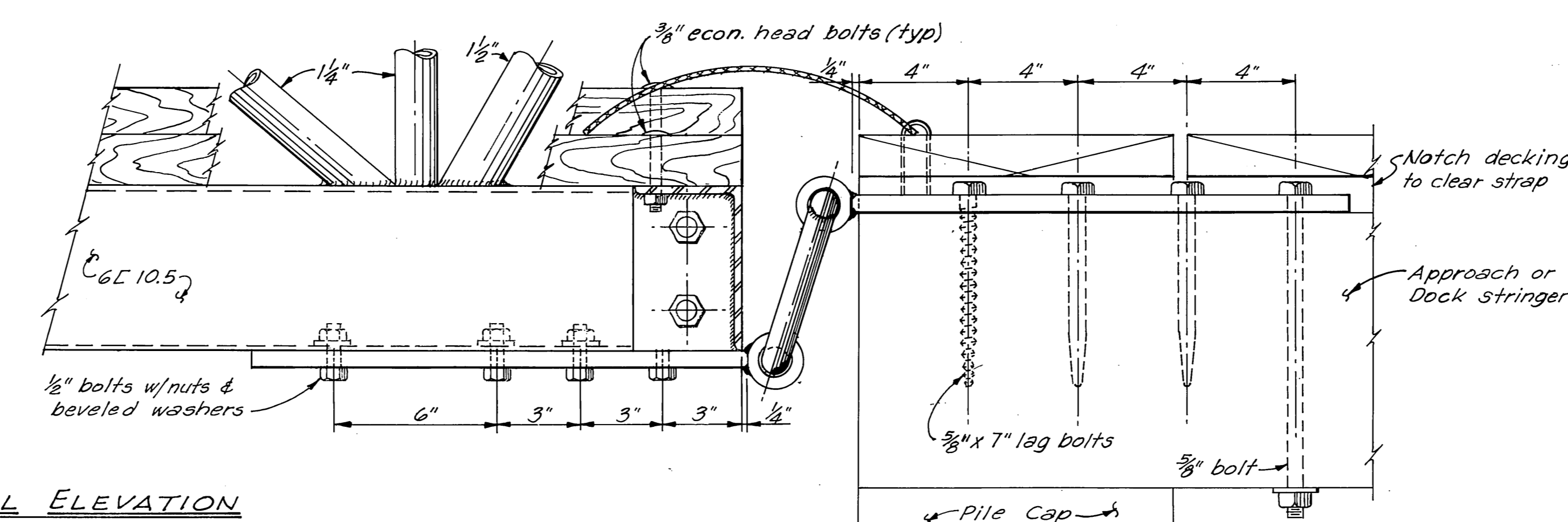


PLAN

DOCK OR APPROACH



SECTIONAL ELEVATION CONSTRUCTION DETAILS
3" = 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 Select Structural No.1 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.

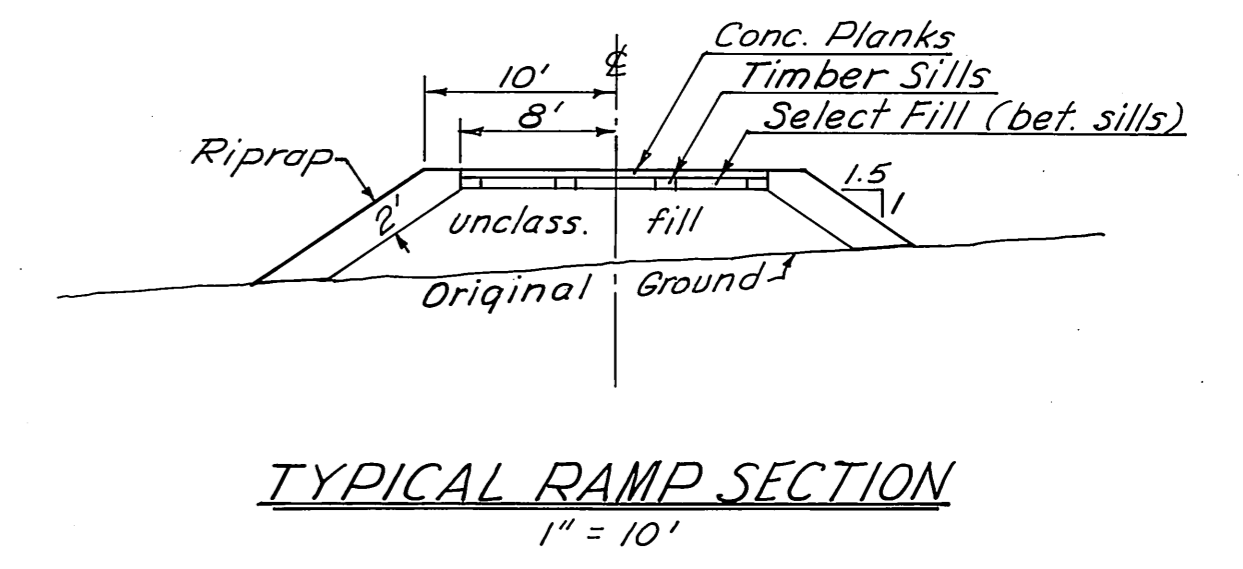
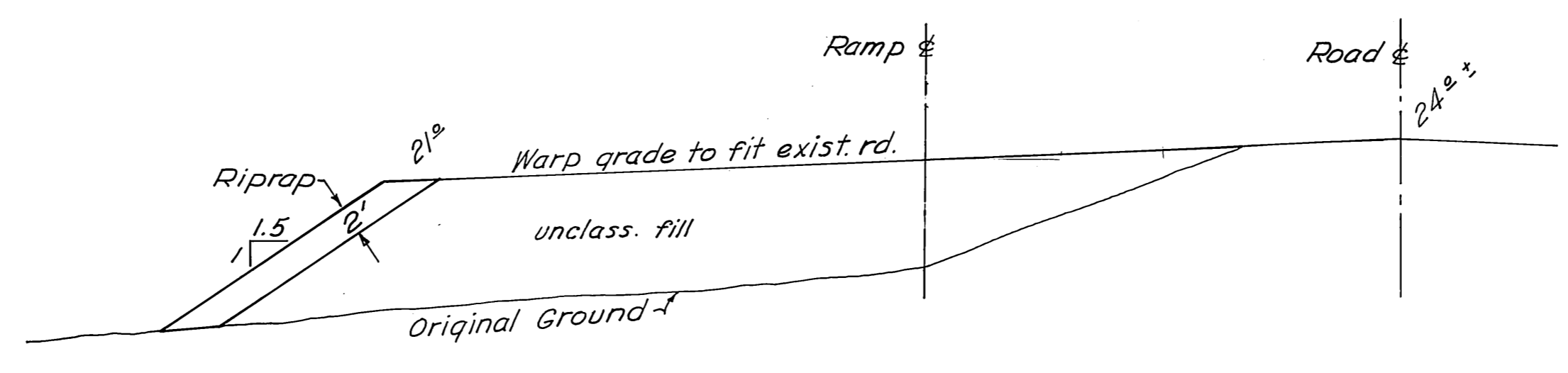
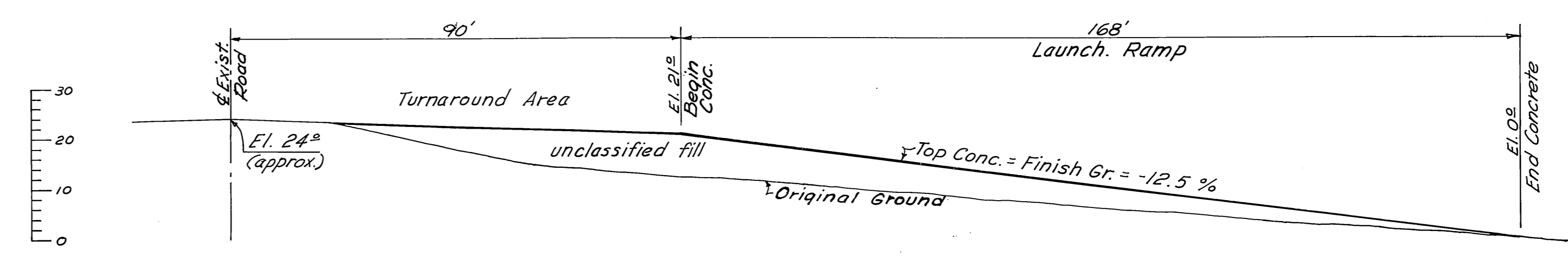
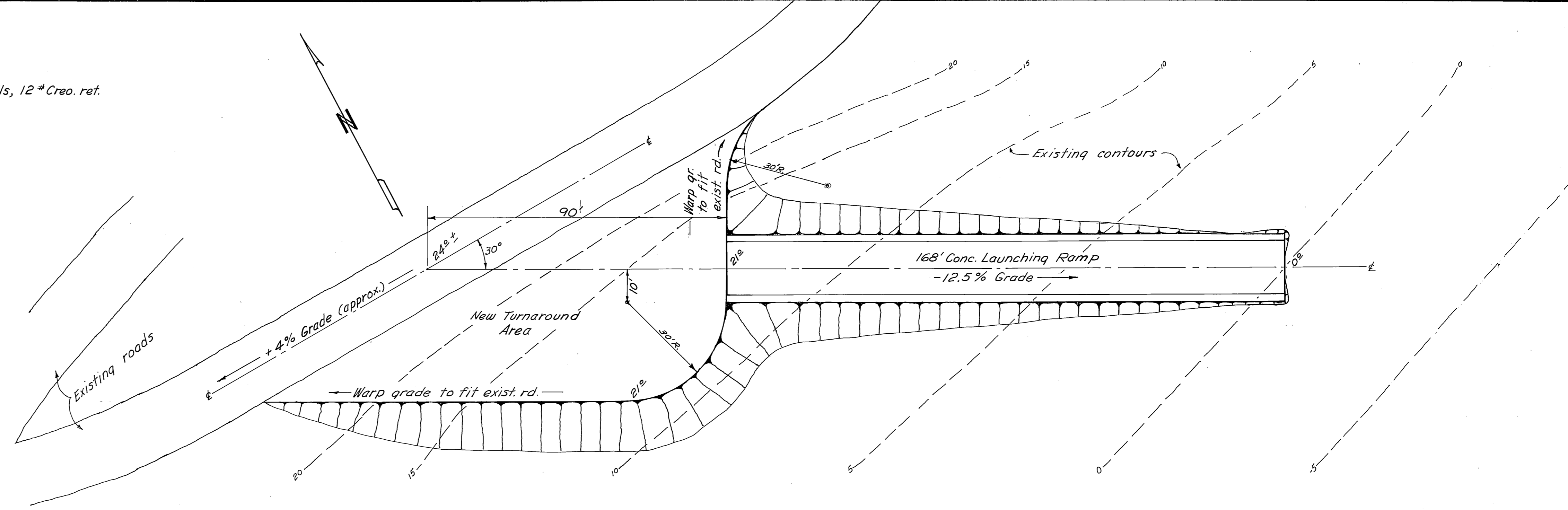
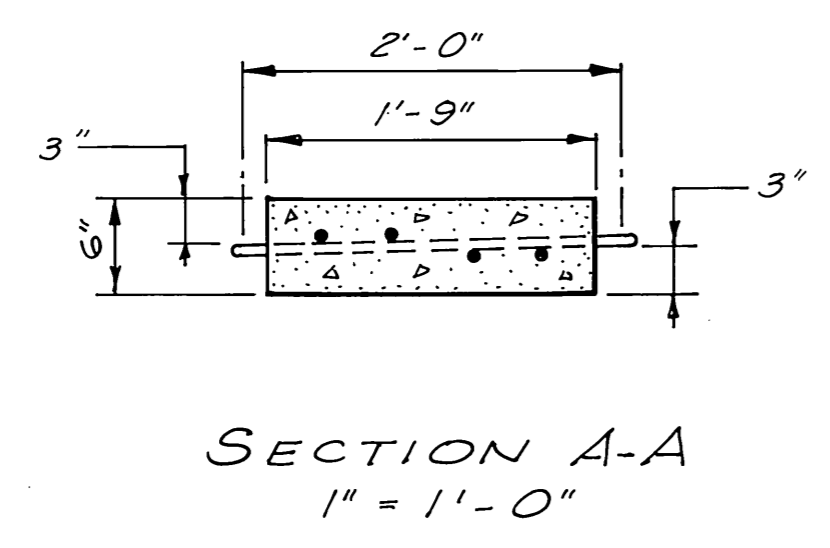
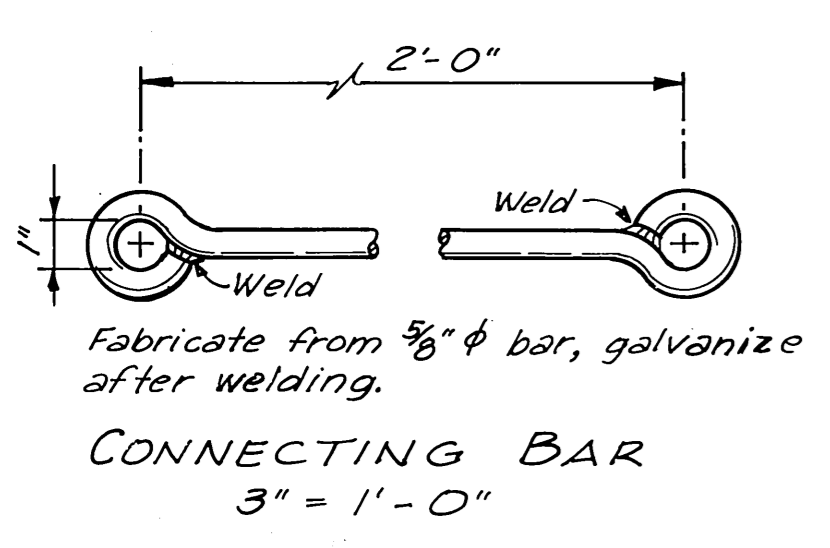
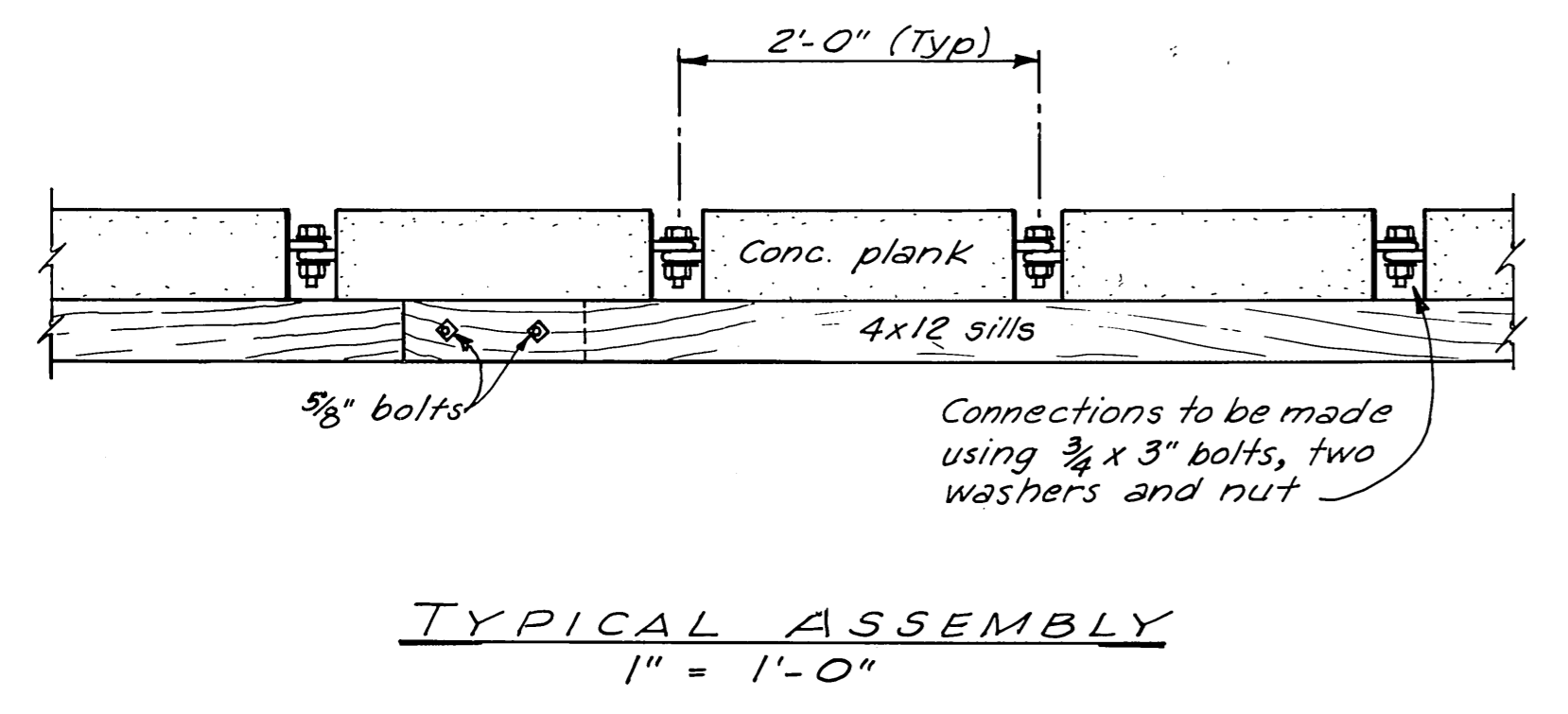
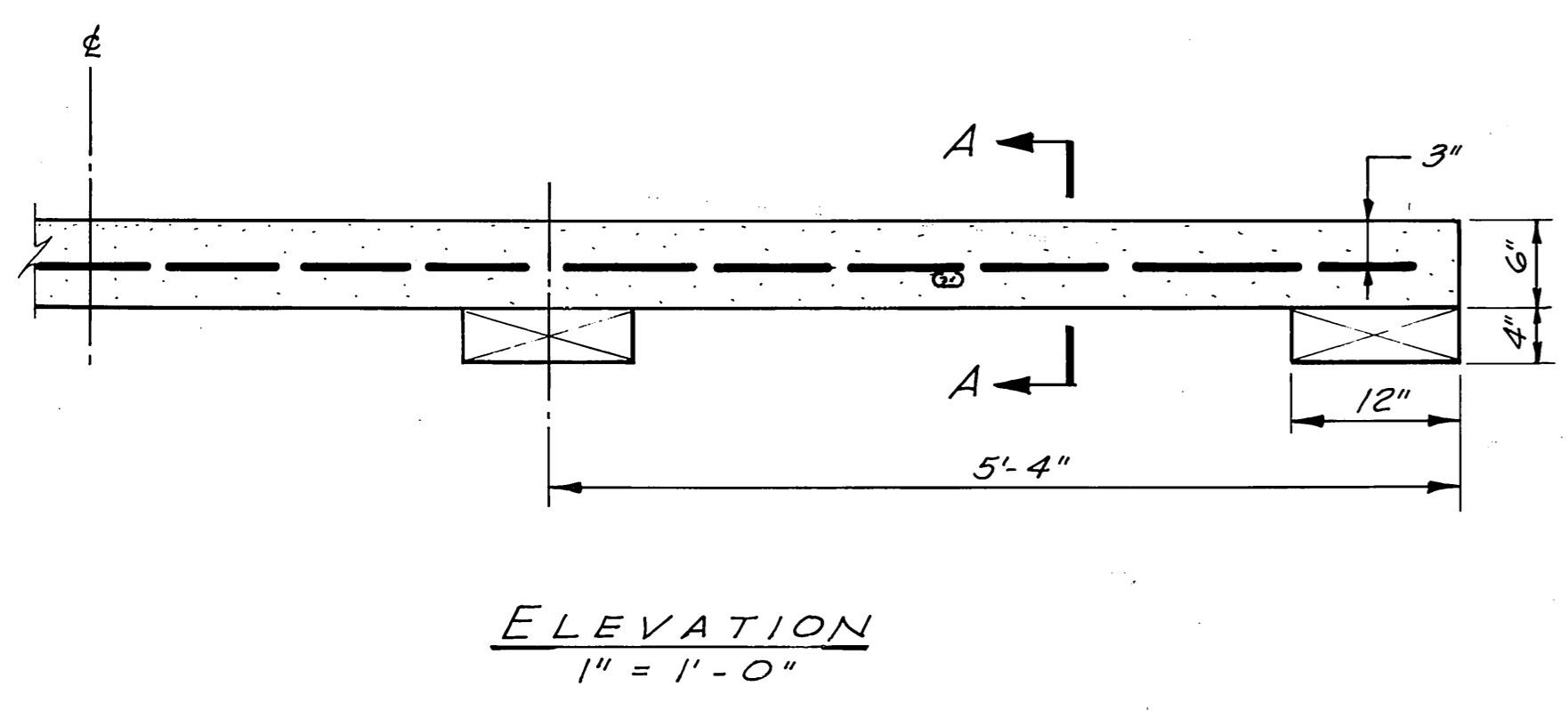
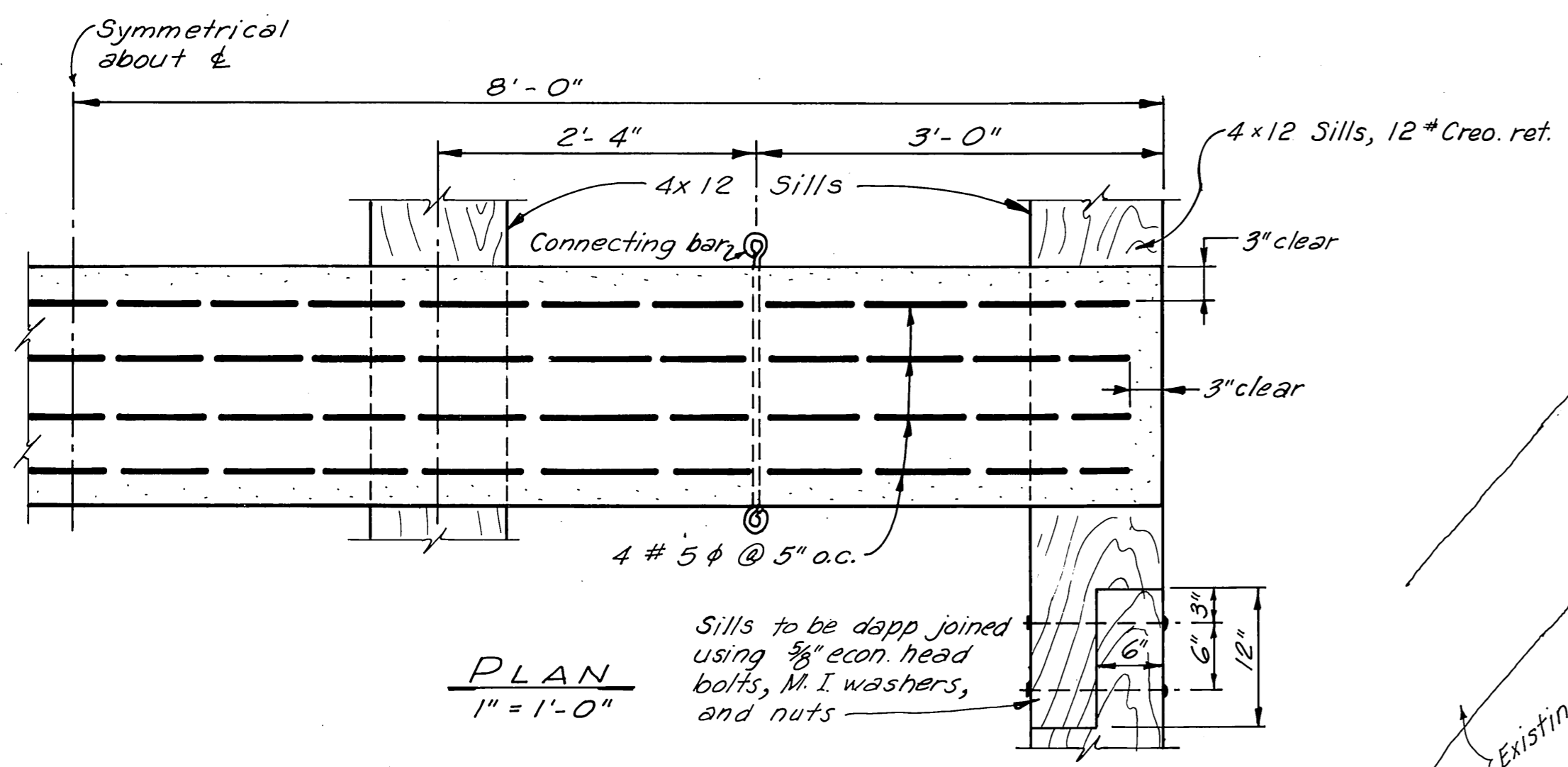
Revised 4-7-71. Removed Tension Wires. JET

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DEPARTMENT OF PUBLIC WORKS
DIVISION OF WATER AND HARBORS

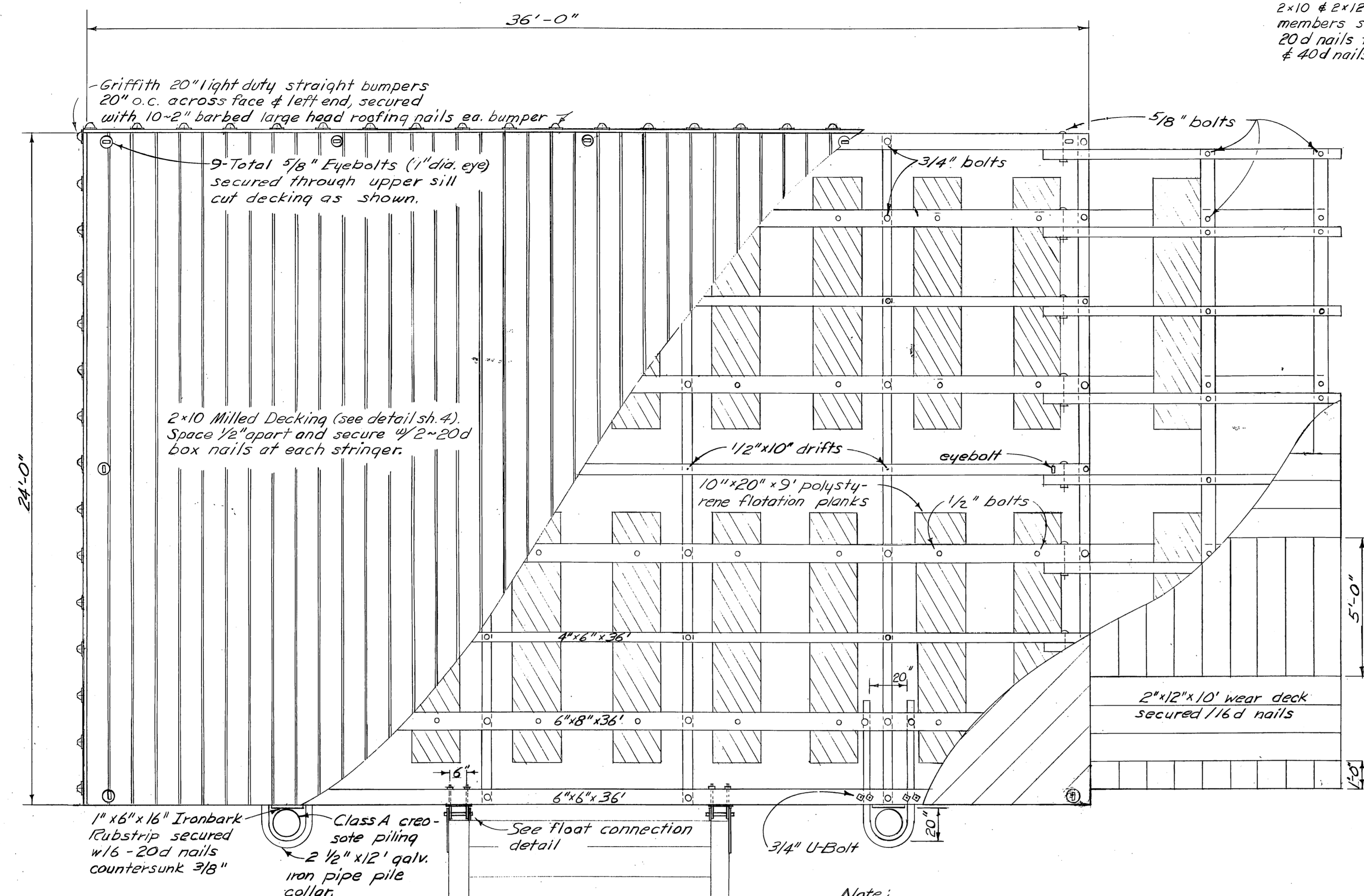
HOLLIS
TYPICAL STEEL GANGWAY
CONSTRUCTION DETAILS

SCALE As shown	SURVEYED	APPROVED
DESIGNED JT/RB	DRAWN JET	Don Statter DIRECTOR
CHECKED DSM	DATE Dec. 1970	
PROJECT NUMBER 3-73115		SHEET 8 OF 10



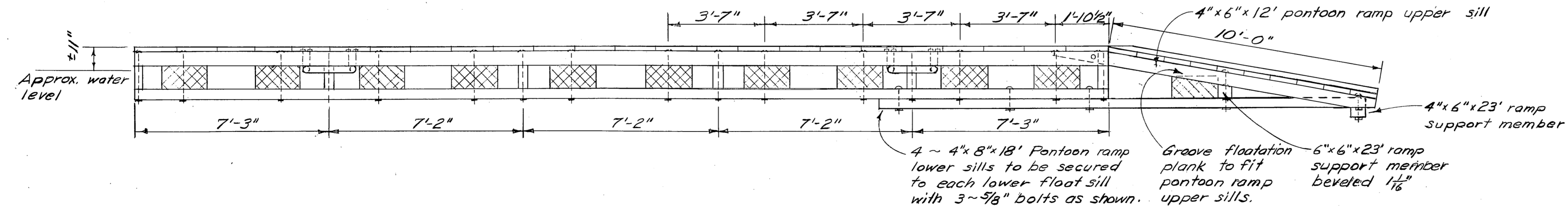
DETAILS - PRECAST LAUNCHING RAMP PLANKS

DO NOT SCALE THIS DRAWING - USE DIMENSIONS		
STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS		
HOLLIS 16'-WIDE BOAT LAUNCHING RAMP		
SCALE <i>As noted</i>	SURVEYED	APPROVED
DESIGNED	DRAWN <i>JET</i>	<i>Don Statter</i> DIRECTOR
CHECKED	DATE <i>7/72</i>	
PROJECT NUMBER <i>3-73115</i>	SHEET <i>9</i> OF <i>10</i>	

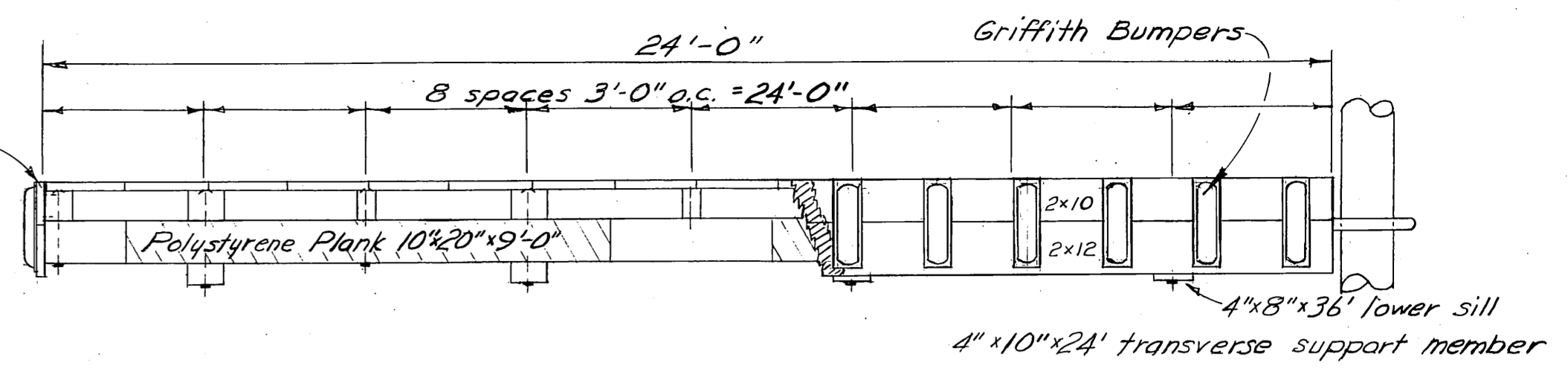


Notes:
 All upper sill bolt holes facing decking shall be countersunk 3/8" & of such dia. as to accommodate the appropriate size economy bolt head.
 5/8" drill all sill bolt holes securing flotation planks only.

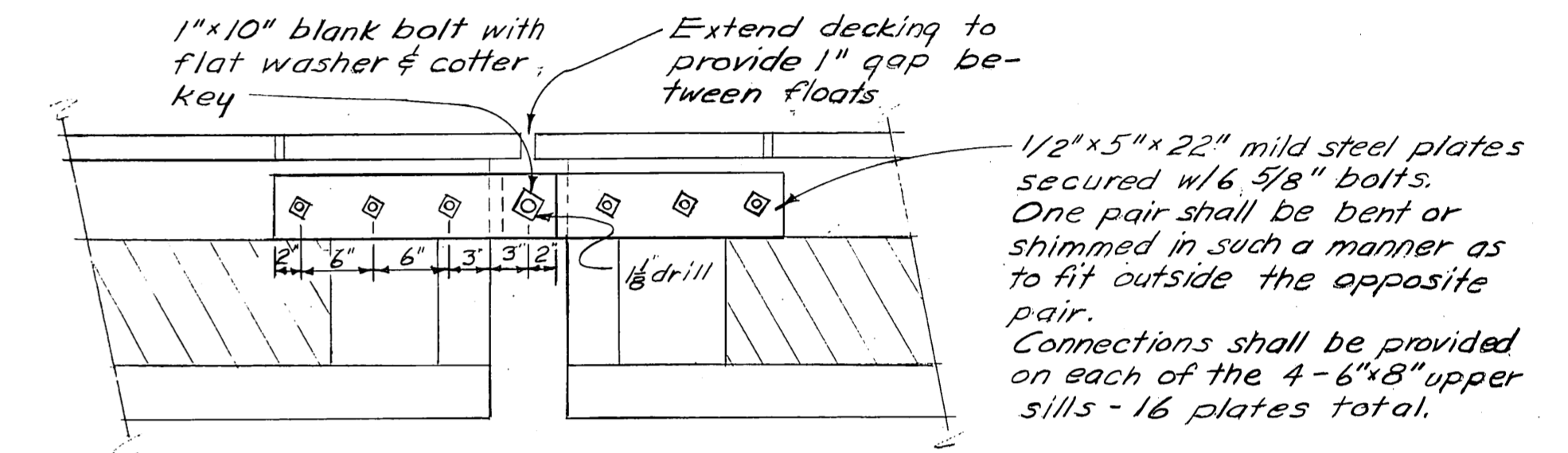
PLAN
 Scale 3/8" to 1'-0"



ELEVATION
 Scale 3/8" to 1'-0"

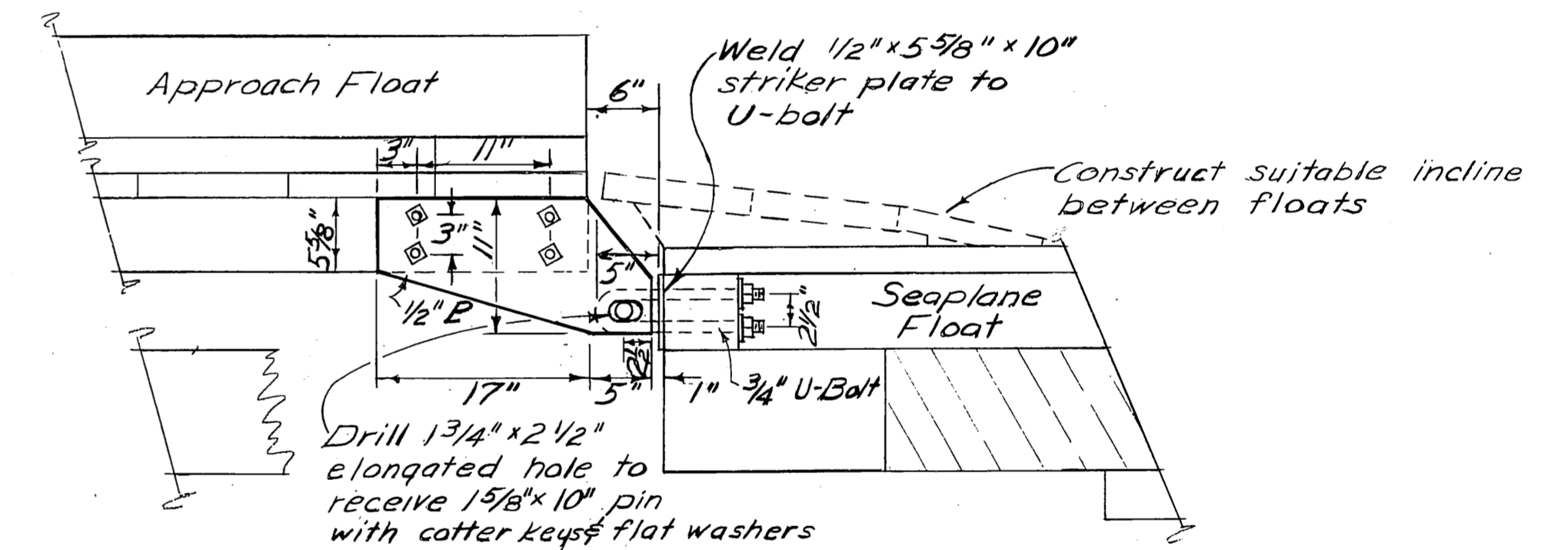


LEFT END ELEVATION
 Scale 3/8" to 1'-0"



FLOAT CONNECTION DETAIL
 Scale 1" to 1'-0"

(To be used when connecting 2-24'x36' floats to provide 1-24'x72' float)



FLOAT CONNECTION DETAIL
 Scale 1" to 1'-0"

Notes:
 *All timber material shall be select structural No. 1 Douglas fir pressure treated material, Pent. 0.5 # ret. on main deck, all other material, Creo. 12" ret. (includes pontoon ramp deck & runners). Lower 4"x8" sills to be rough, upper 6"x8" sills to be S2S, decking milled, all other S2E. ** 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 headed 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 w/ bolt holes drilled & countersunk (where reqd.) prior to treatment.
 *All 12" creo. to be full cell

** 4x10 members to be edge dressed to conform to thickness of flotation billets.

1/1/64	changed decking creosote treatment		
	" eyebolts & flotation plank bolts		
NQ DATE	REVISION		BY

STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS	
HOLLIS	
TYPICAL 24'x46' SEAPLANE FLOAT	
SCALE As shown	APPROVED <i>[Signature]</i> COMMISSIONER
DATE April 5, '63 PROJ. NO. 3-73115	
SURVEYED BY DS	DRAWN BY DS CHECKED BY DS

No	Date	REVISION
2	8/64	Add sill bolt countersinking, 5/8" drilling of flotation plank bolt holes, change dressing of 4"x10" members to S1E 3/8" off.
3	7/72	Penta. deck, Struc. grade timber, Bumpers, 4x10 width, Decking.