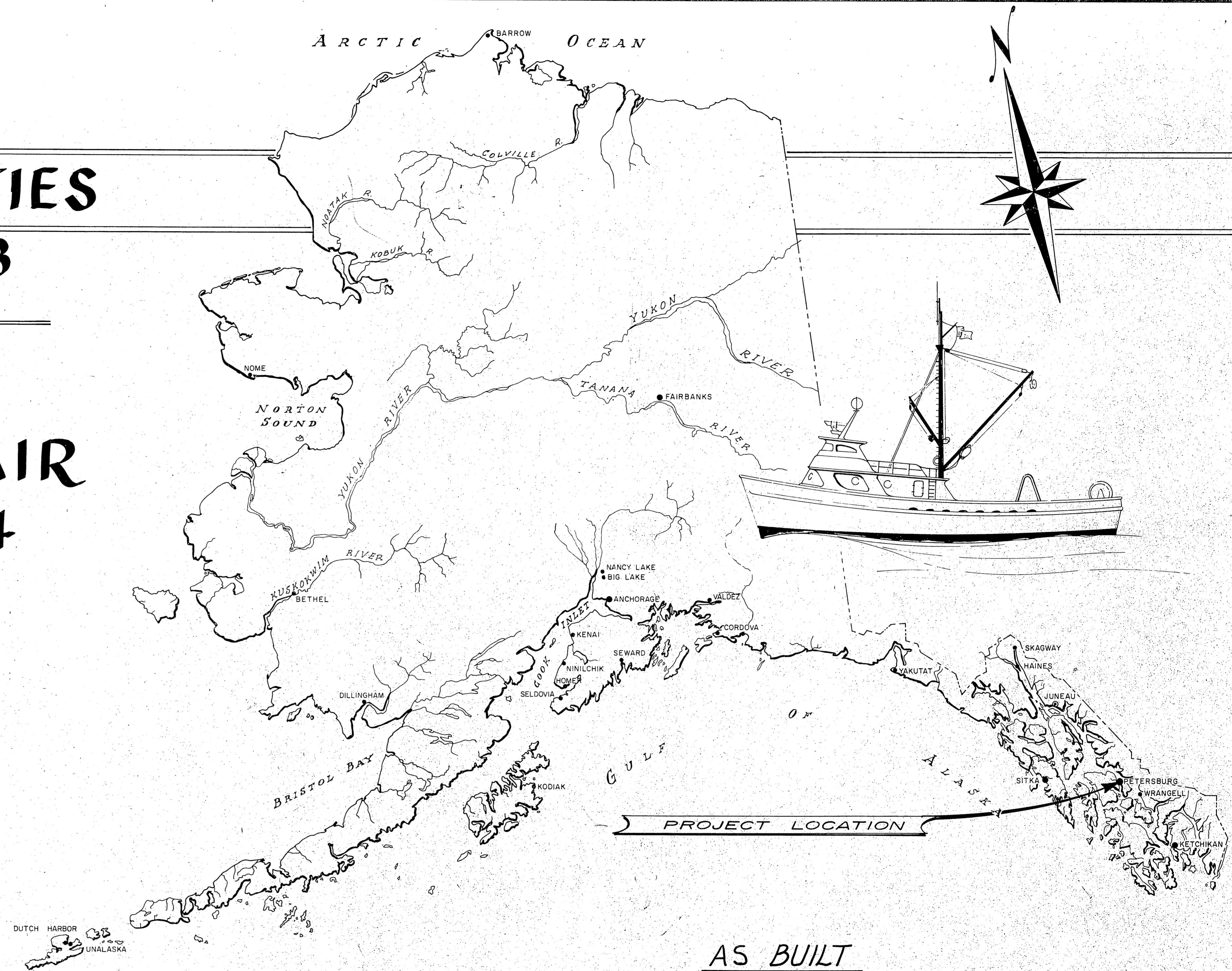


PETERSBURG BOAT HARBOR FACILITIES PROJECT NO. 3-76158

PAPKE LANDING FLOAT FACILITIES REPAIR PROJECT NO. 4-76174

SEE PETERSBURG BOAT HARBOR #1 FOR MYLARS



AS BUILT

WORK SUMMARY

Major work items consist of removing 674 lineal feet of 10' float and 8-30' stalls, pulling approx. 40 piling and repairing a salvaged float section. New construction includes furnishing and installing 644 lineal feet of 8' wide concrete float, 110' lineal feet of 6' float and installing 2-62' stalls, 4-48' stalls, 9-40' stalls and 15-30' stalls and driving approx. 48 timber piles. Other items include redecking & flotation replacement and redecking of the approach trestle at Papke's Landing.

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

INDEX TO SHEETS

1. TITLE SHEET	7. HINGE CONNECTIONS and PILE COLLAR DET.
2. OLD BOAT HARBOR LAYOUT	8. MISC. DETAIL SHEET
3. FLOAT LAYOUT and STALL DETAILS	9. PAPKE LANDING, PROJ. LAYOUT, FLOAT DET.
4. 8x8 and 6x10 FLOAT UNITS	10. PAPKE LANDING, APPROACH & RECONSTR.
5. CURVED FLOAT UNITS, 6x8	
6. 3', 4' and 5' STALL FLOAT UNITS	

APPROVED

Wm. Statter
DIRECTOR

DATE 1/6/76

SHEET 1 OF 10



LEGEND

- Existing piles.
- New or salvaged piles to be driven, this contract.
- ▭ Existing floats.
- ▭ New floats.

NOTES:

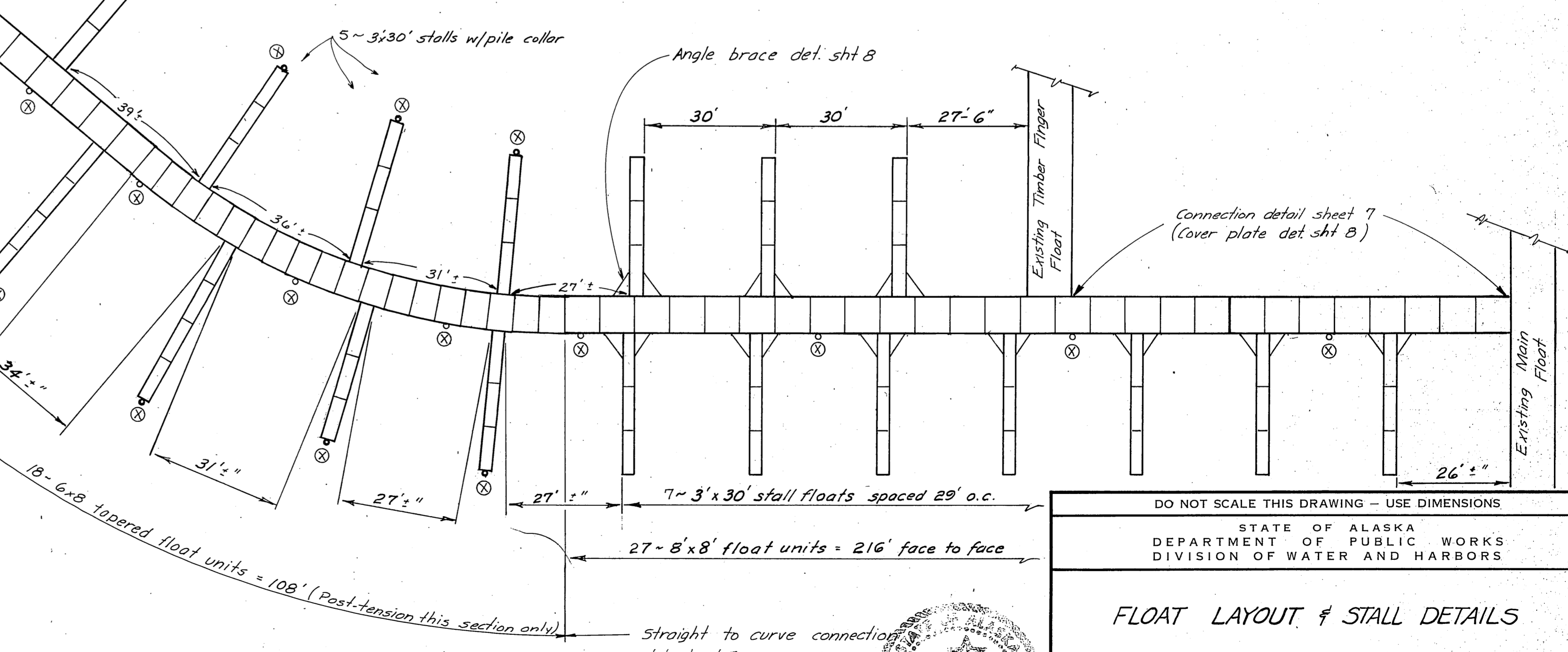
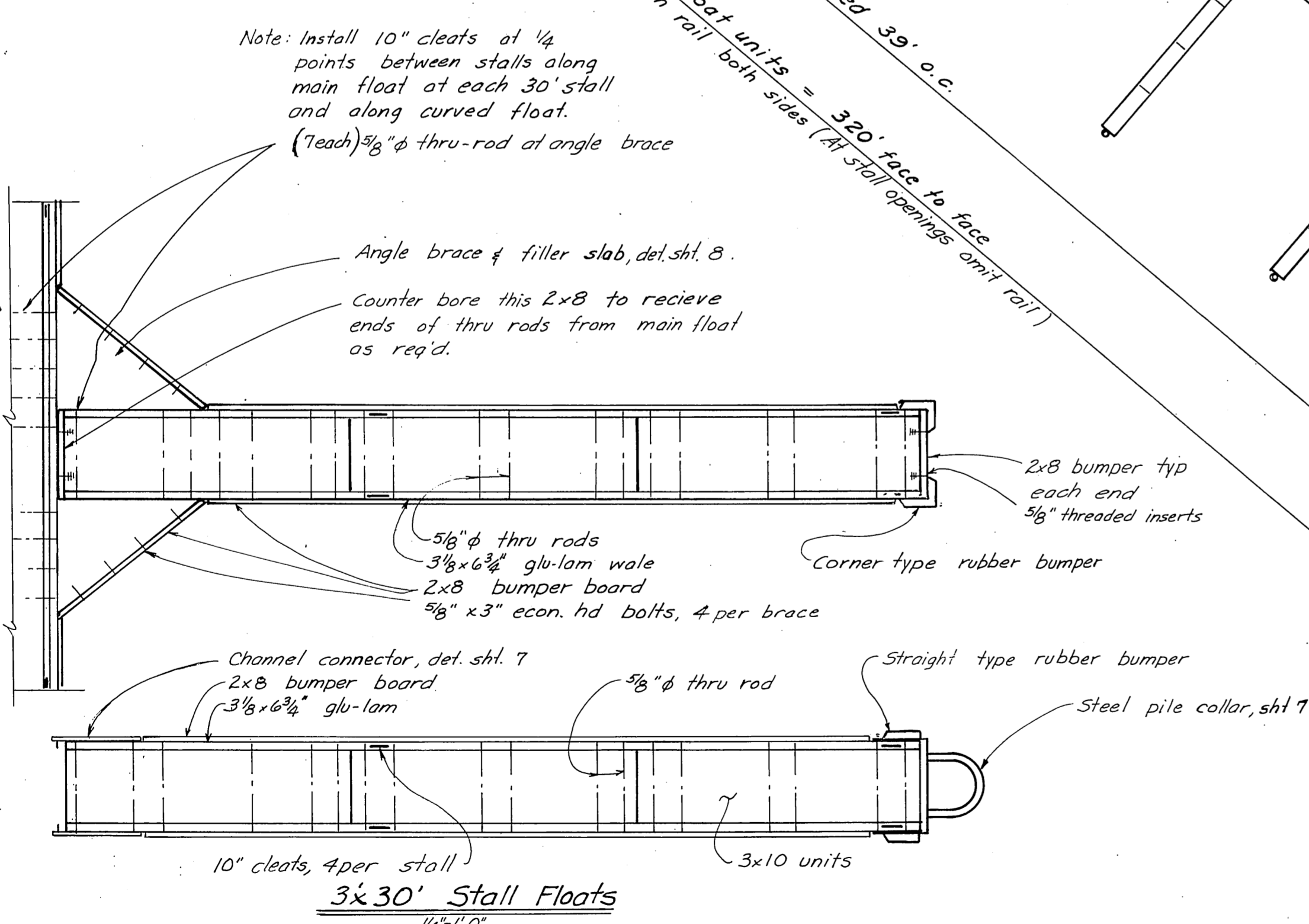
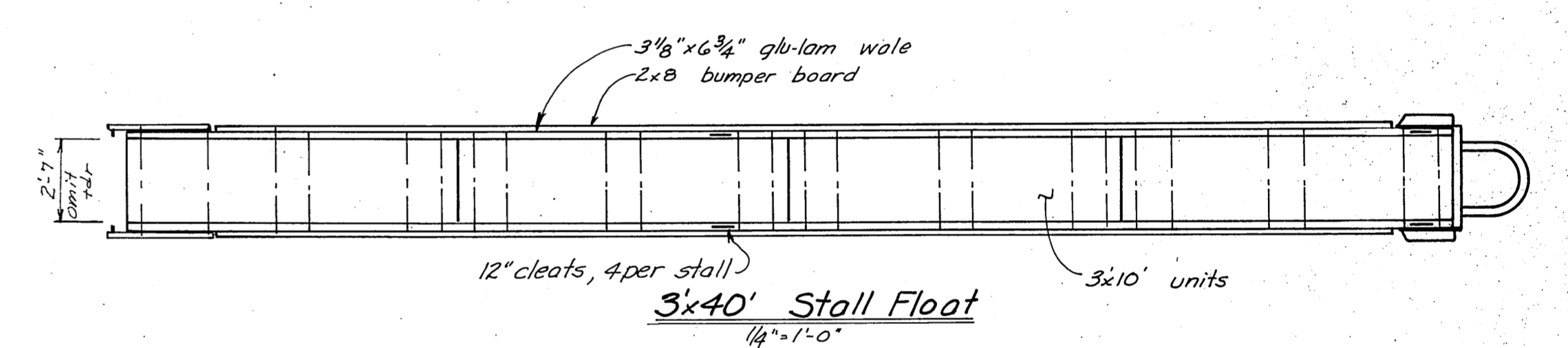
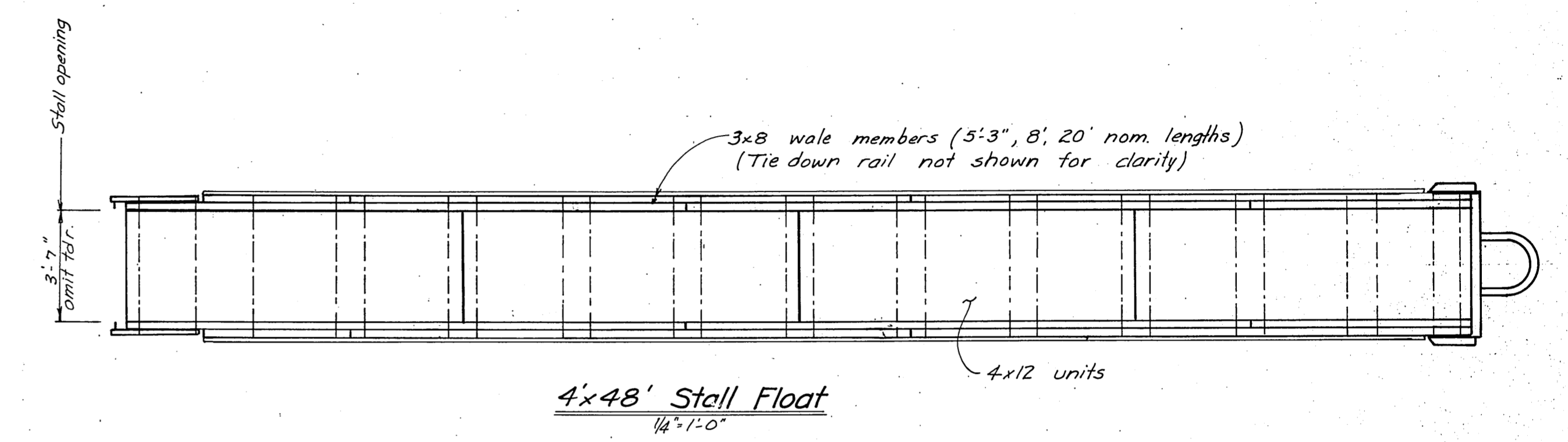
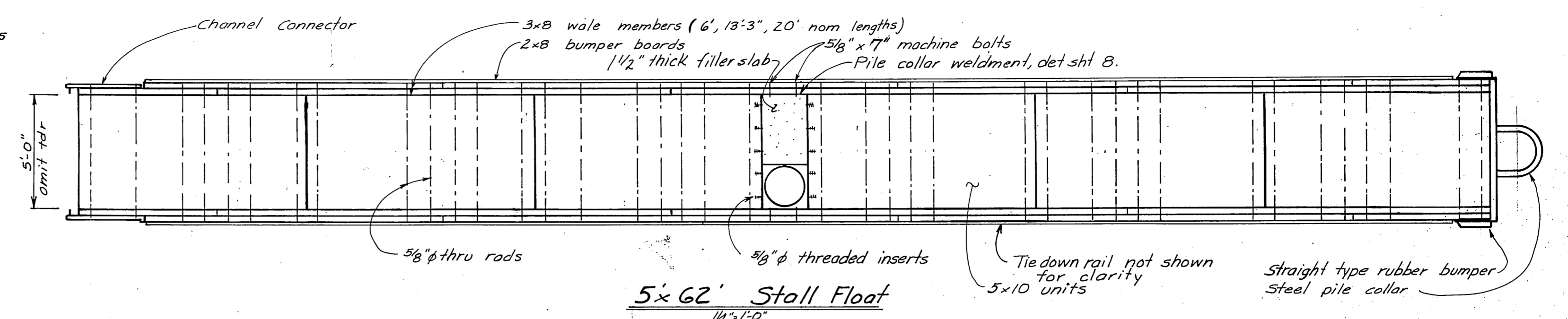
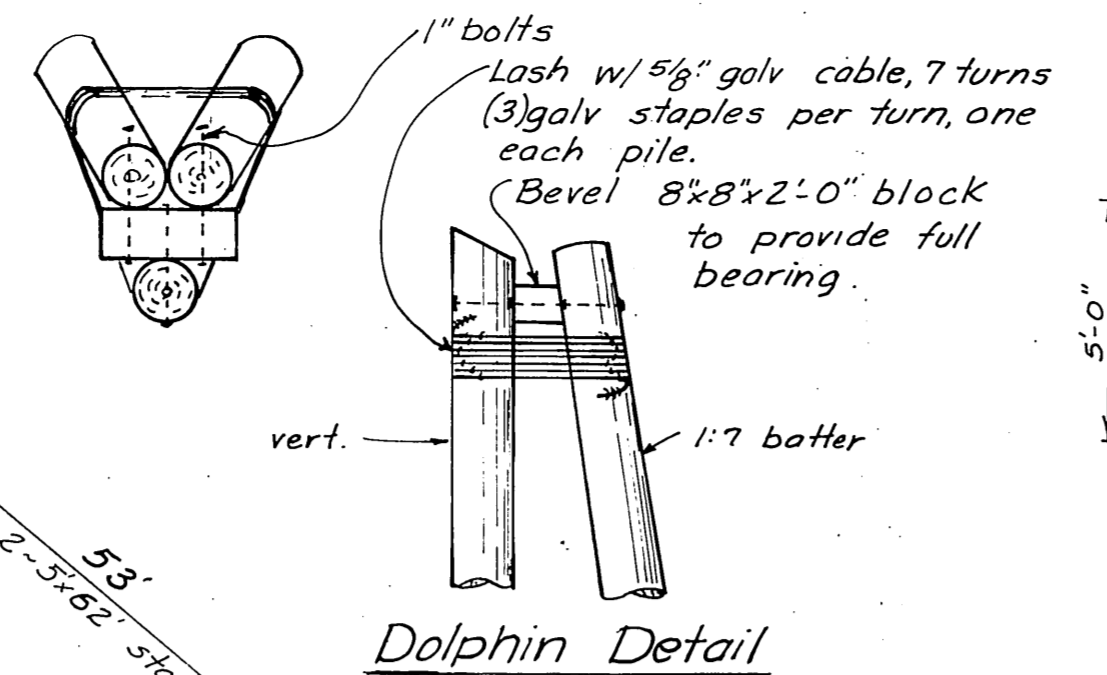
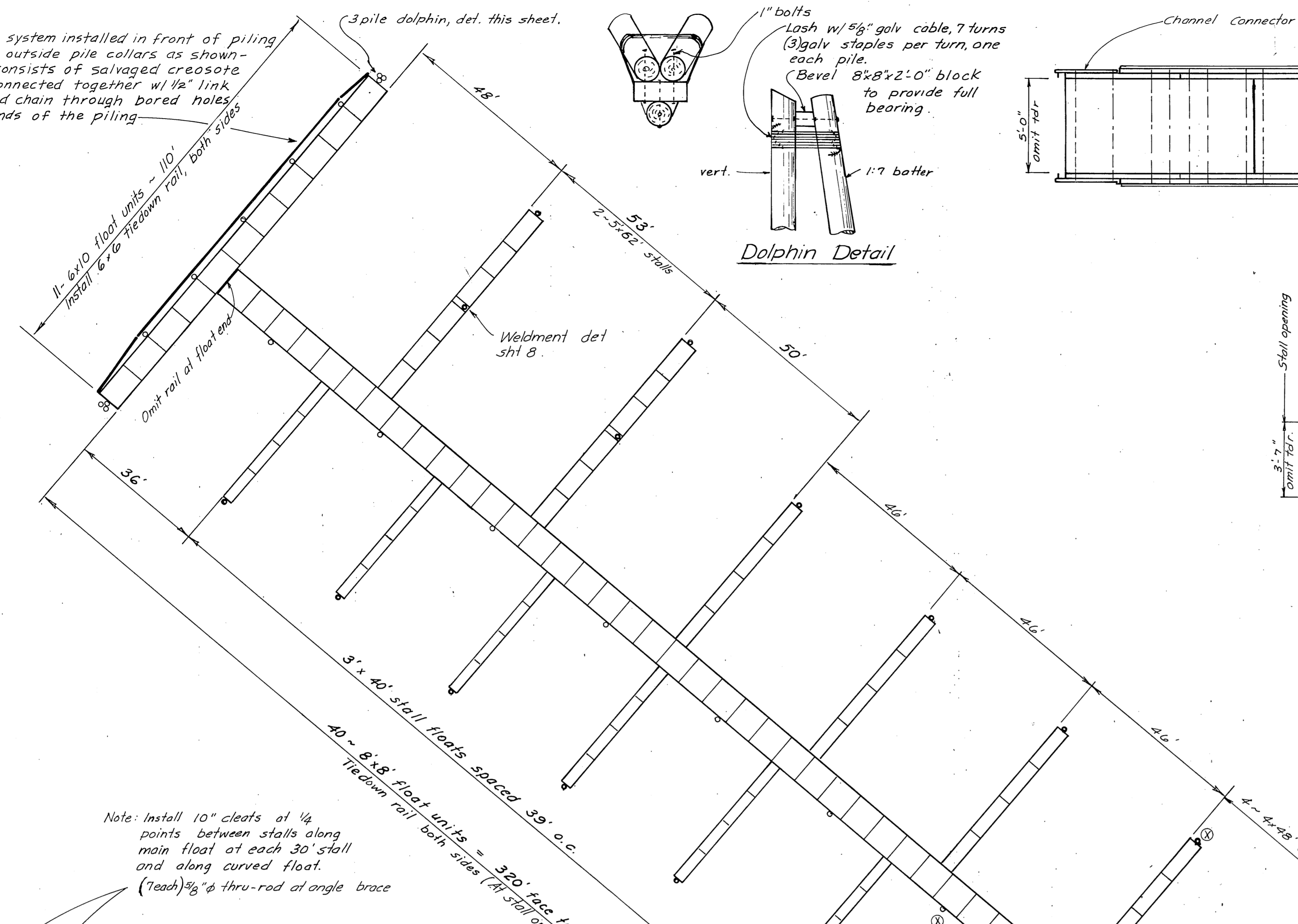
1. Extract 40 piles - (Pulled 1 extra Pile)
2. Remove 674 L.F. of 10-wide float.
3. Remove 8 ea. 30' stall floats
4. Install new concrete floats as shown.
5. Drive 48 new & salvaged piles.
6. Anticipate using 30 new and 18 salvaged piles. Used piles will be utilized in shallow areas.
7. Remaining salvaged piles shall be the property of the State and shall be stored for future use.
8. The best 225' of removed float shall be salvaged and turned over to the City for use as skiff float. (Not installed-float to rot)
9. Pile penetration shall be 15'. Cutoff Elev. shall be +30'.
10. Removal & replacement of Utilities not part of this contract.
11. Provide 25 floatation billets

Note: Leveling foam was installed under some of the new concrete stall floats. The number of pieces, each 10"x20"x width of stall float, for each stall float is designated by the number circled next to the stall, such as ②

DO NOT SCALE THIS DRAWING - USE DIMENSIONS		
STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS		
PETERSBURG OLD BOAT HARBOR LAYOUT		
SCALE 1"=50'	SURVEYED	APPROVED
DESIGNED	DRAWN ELS/JI	DATE 11-24-75
CHECKED DCW	Don Statter DIRECTOR	
PROJECT NUMBER 3-76158	SHEET 2 OF 10	

Robert P. Beck

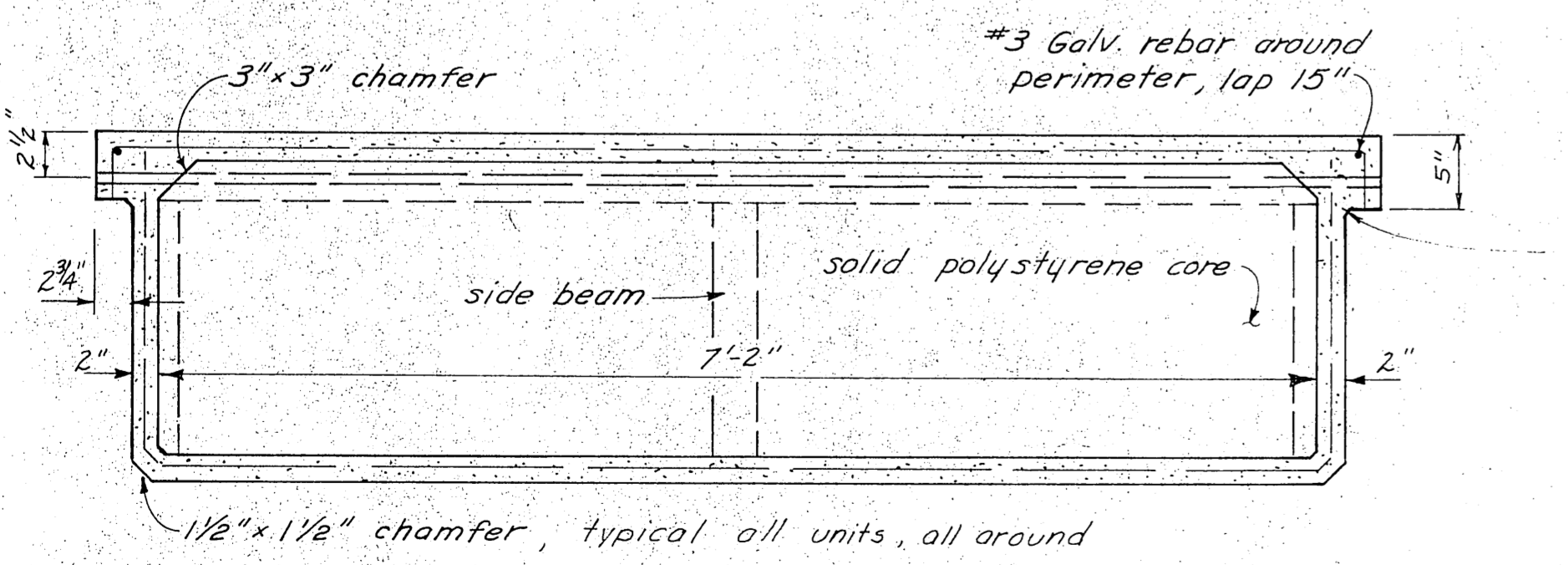
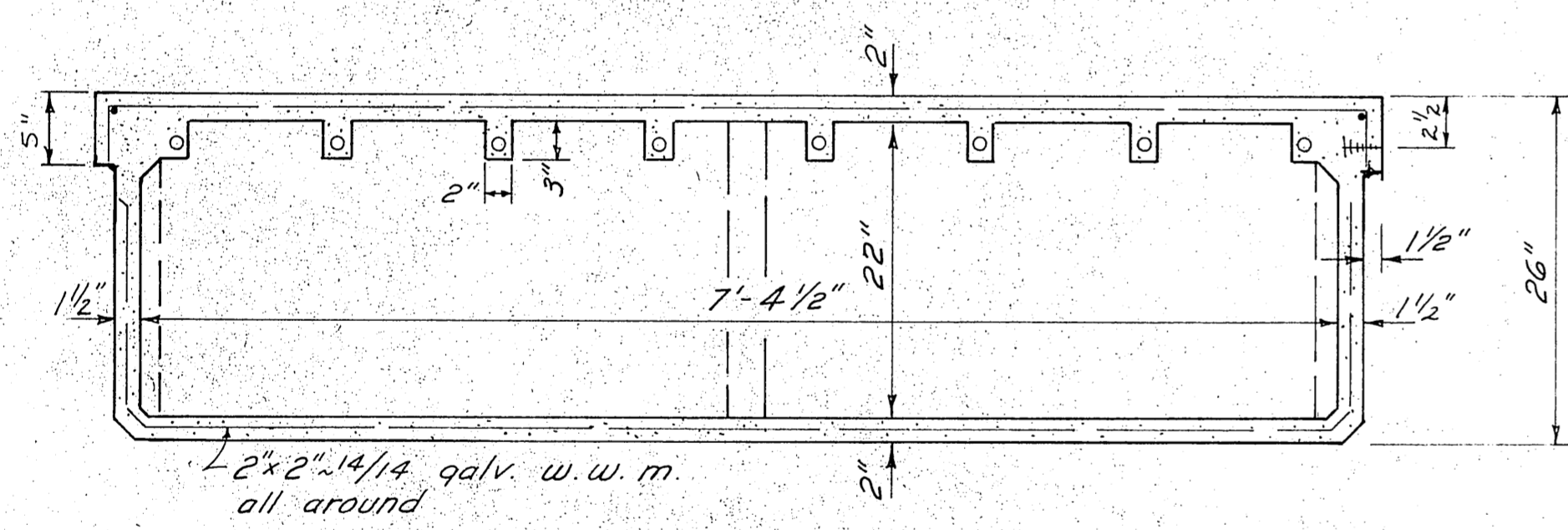
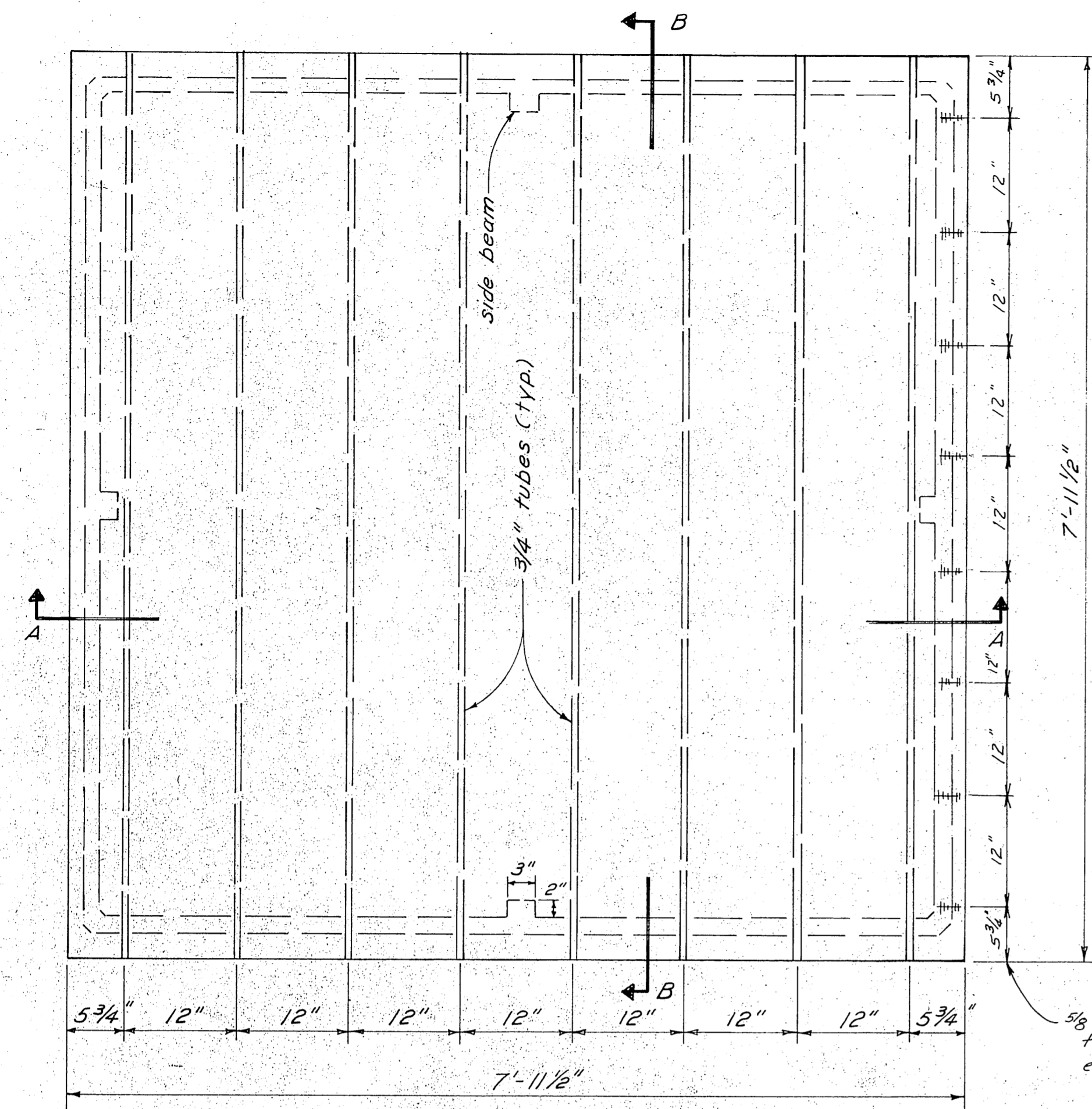
NOTE:
Camel log system installed in front of piling driven in outside pile collars as shown - system consists of salvaged creosote piling connected together w/ 1/2" link galvanized chain through bored holes in the ends of the piling



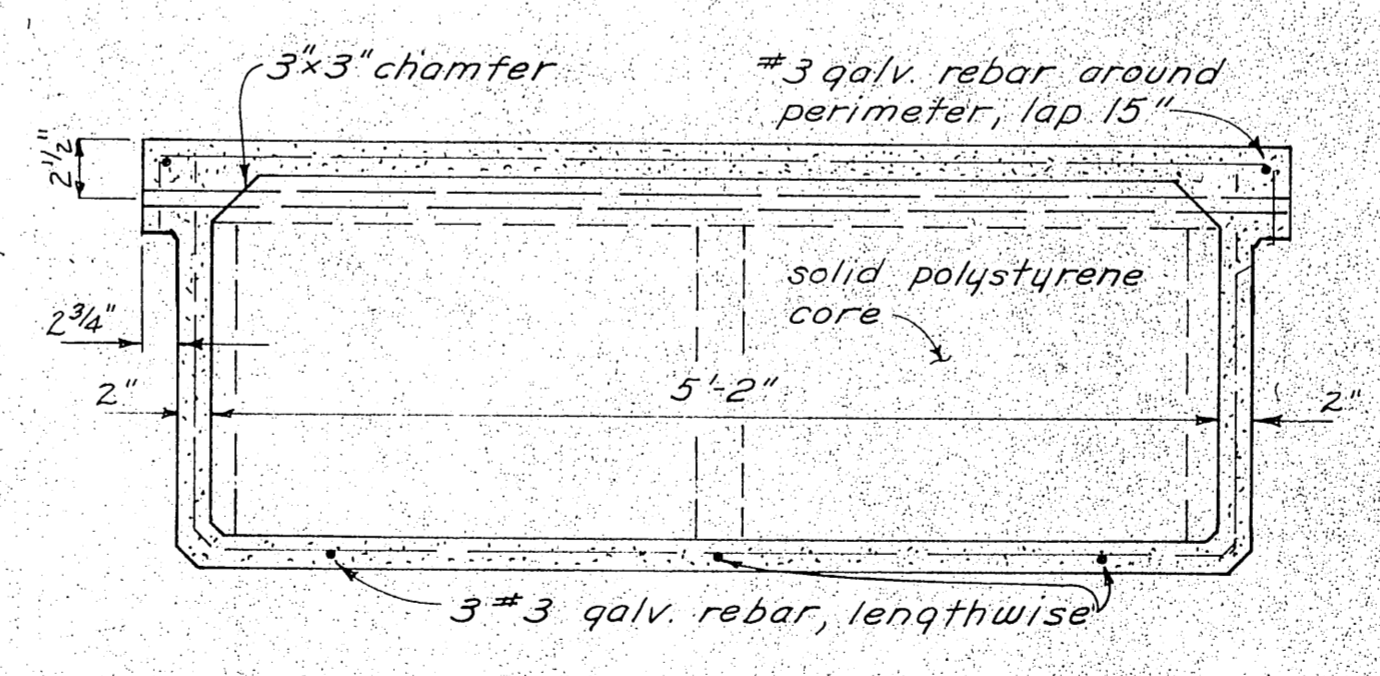
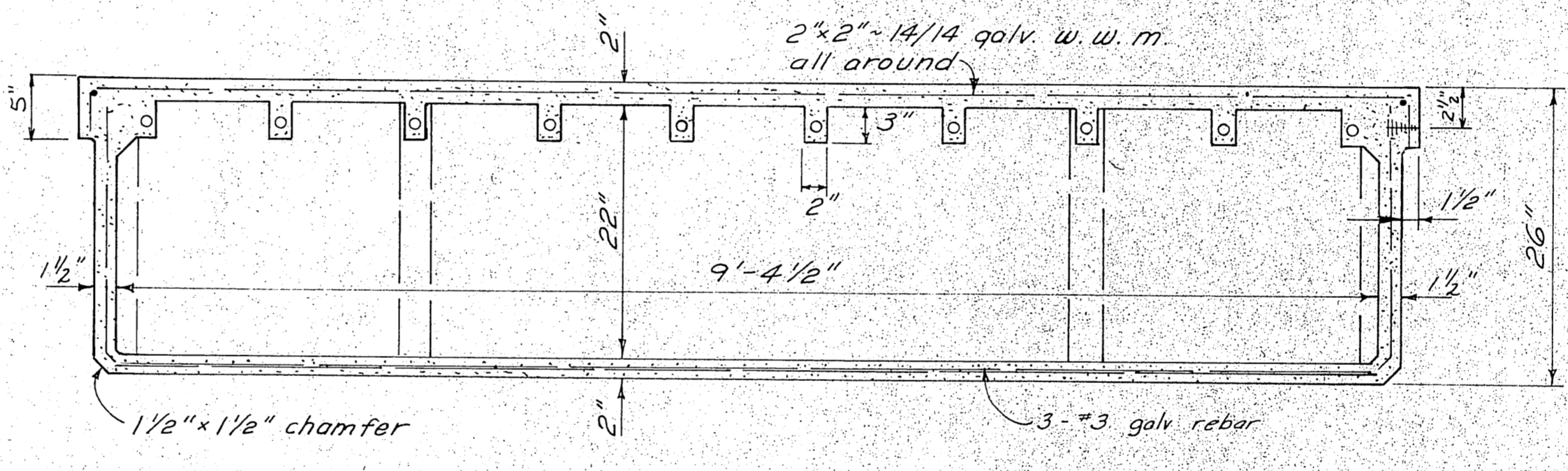
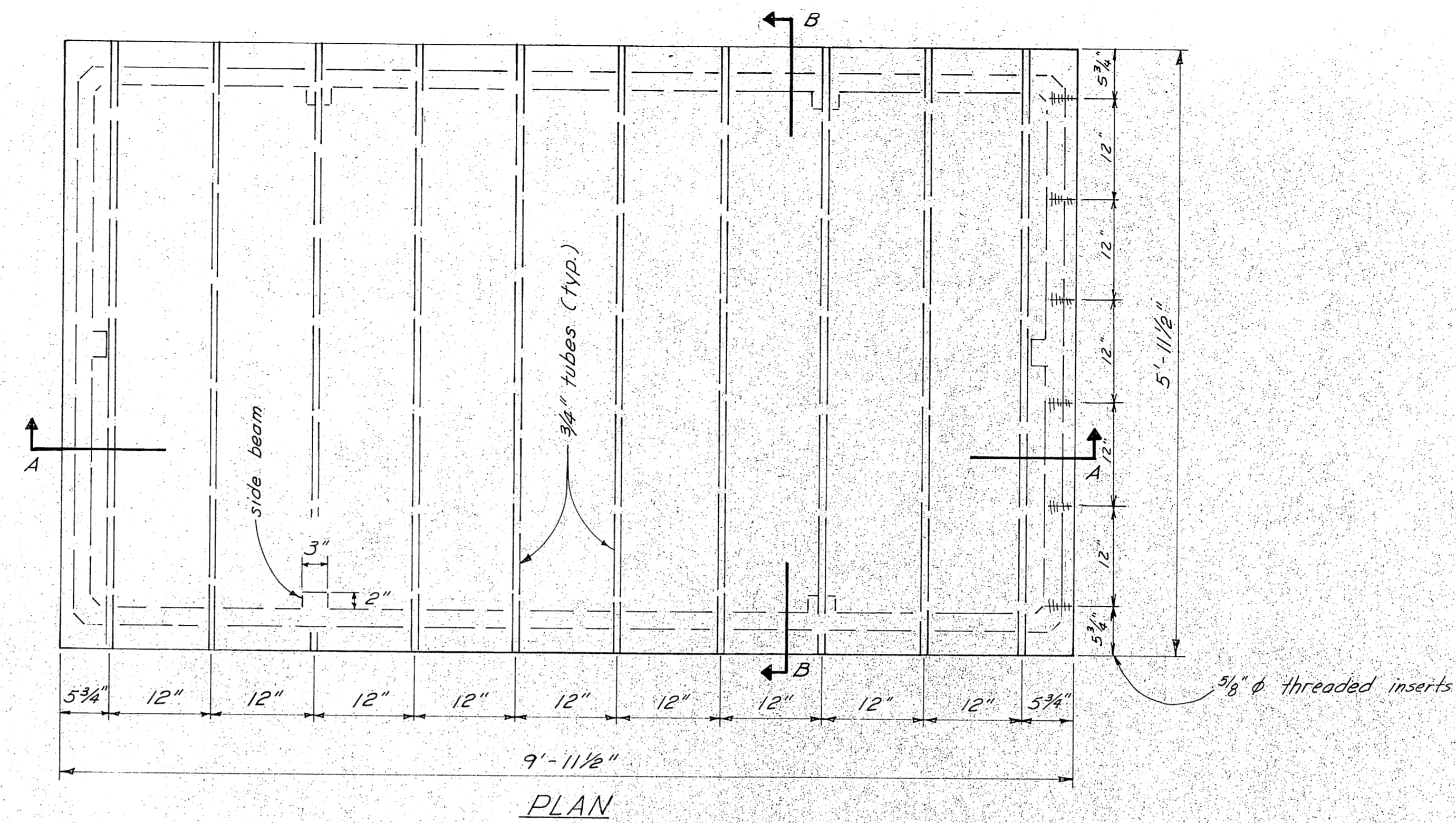
Note: Salvaged piling reused designated with symbol ⊗

FLOAT LAYOUT
7'-20'

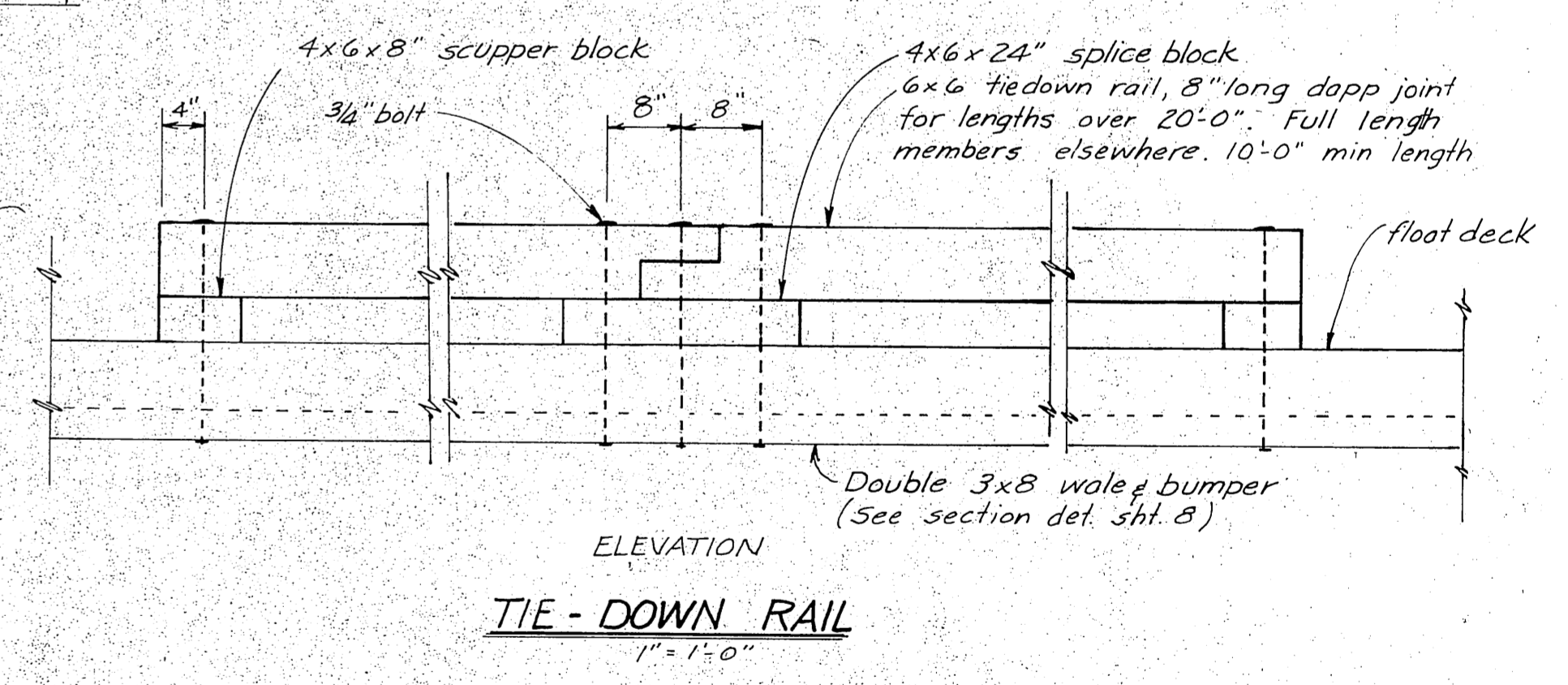
DO NOT SCALE THIS DRAWING - USE DIMENSIONS		
STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS		
FLOAT LAYOUT & STALL DETAILS		
SCALE: As noted	SURVEYED: DCW	APPROVED: Don Statter, DIRECTOR
DESIGNED: _____	DRAWN: DCW	
CHECKED: _____	DATE: 12-1-75	
PROJECT NUMBER: 3-76158	SHEET 3 OF 10	



8x8 FLOAT UNIT

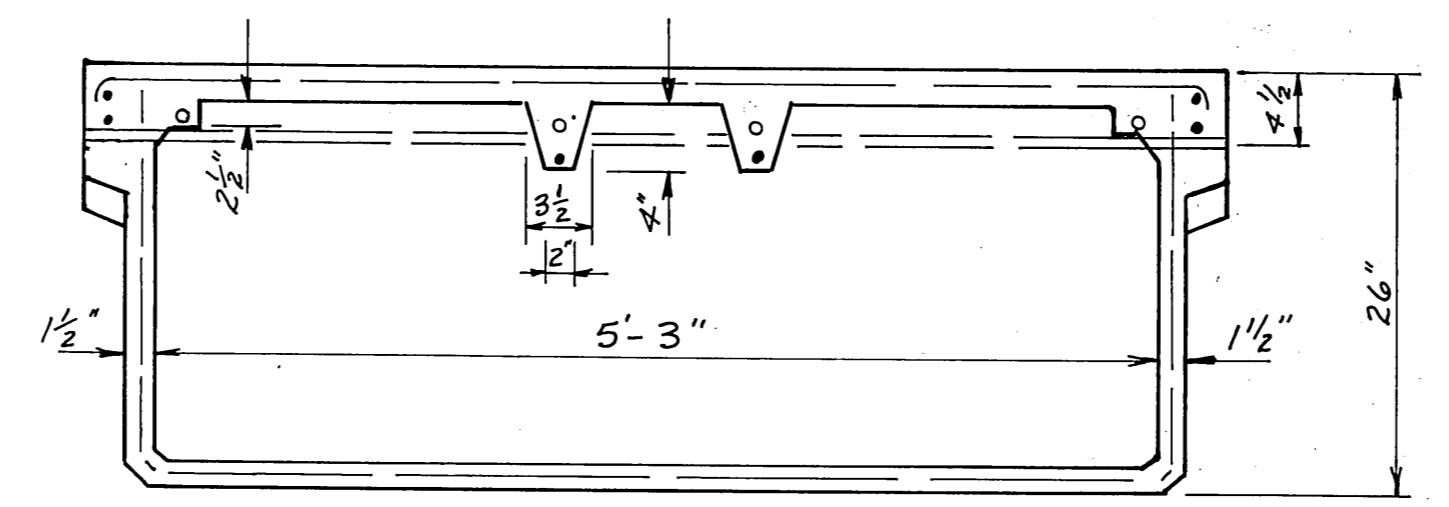
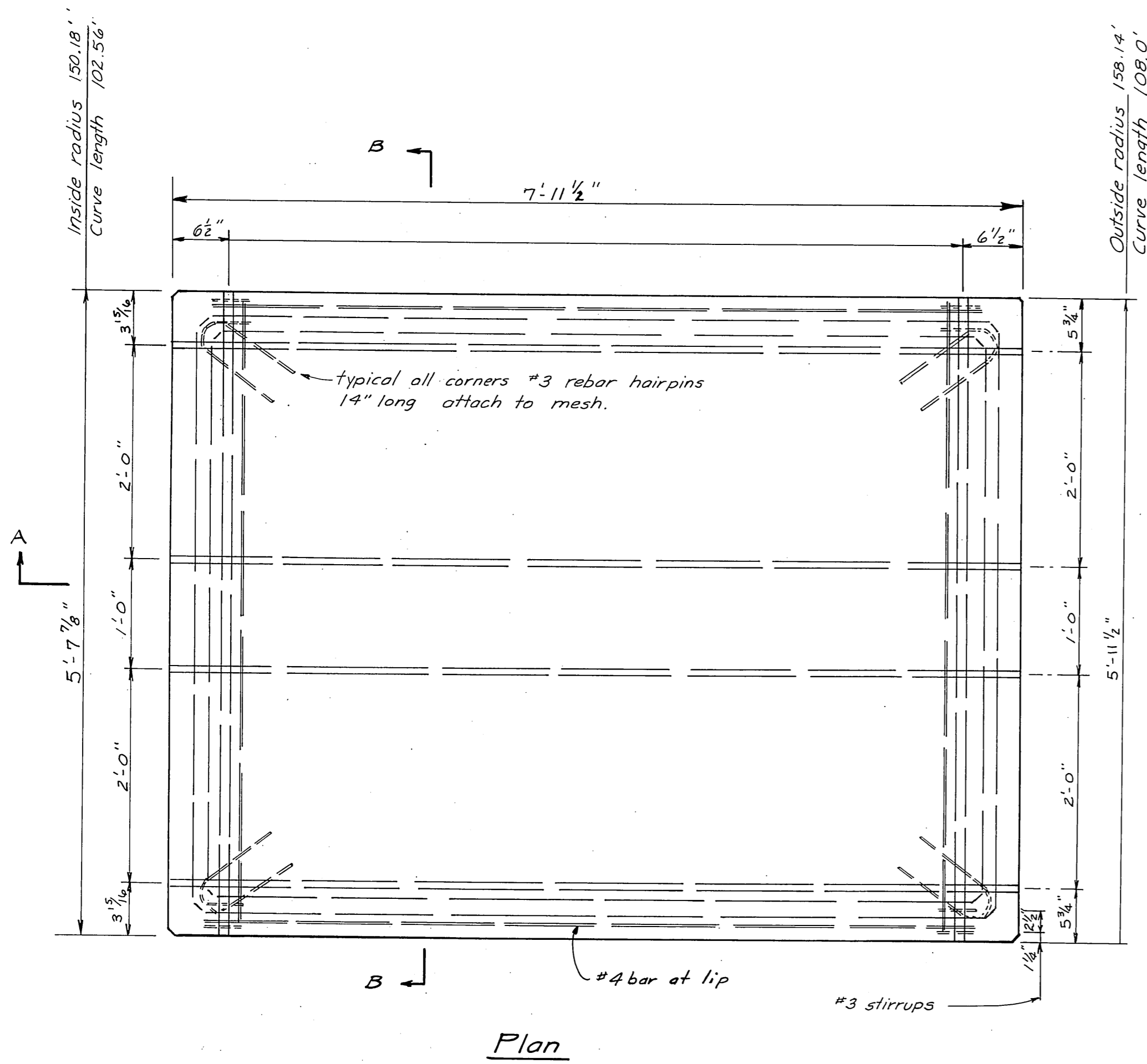


6x10 FLOAT UNIT

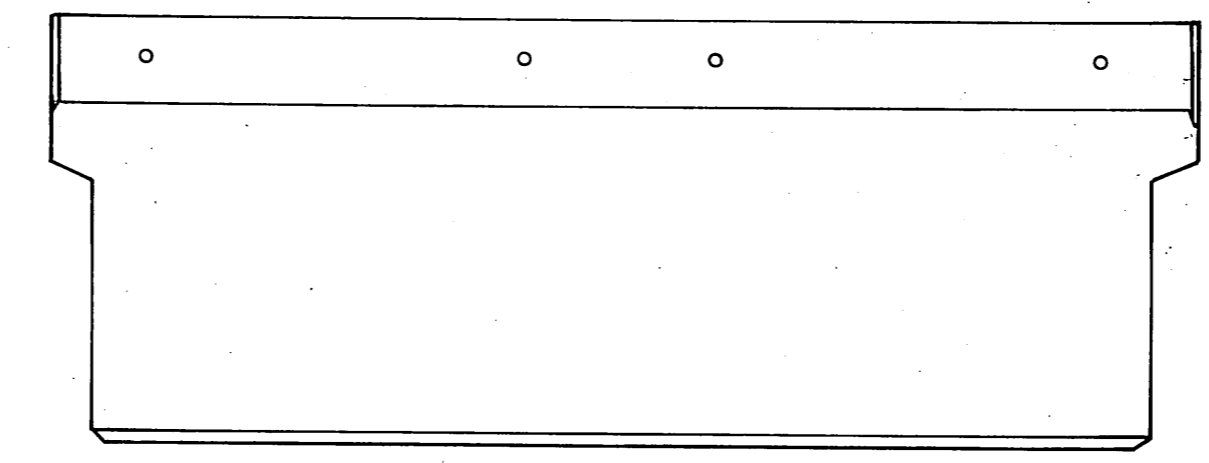


DO NOT SCALE THIS DRAWING - USE DIMENSIONS		
STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS		
8'x8' & 6'x10' FLOAT UNIT		
SCALE 1" = 1'-0"	SURVEYED _____	APPROVED _____
DESIGNED _____	DRAWN <u>RS</u>	Don Statter DIRECTOR
CHECKED _____	DATE Oct. 1975	
PROJECT NUMBER 3-76158	SHEET 4 OF 10	

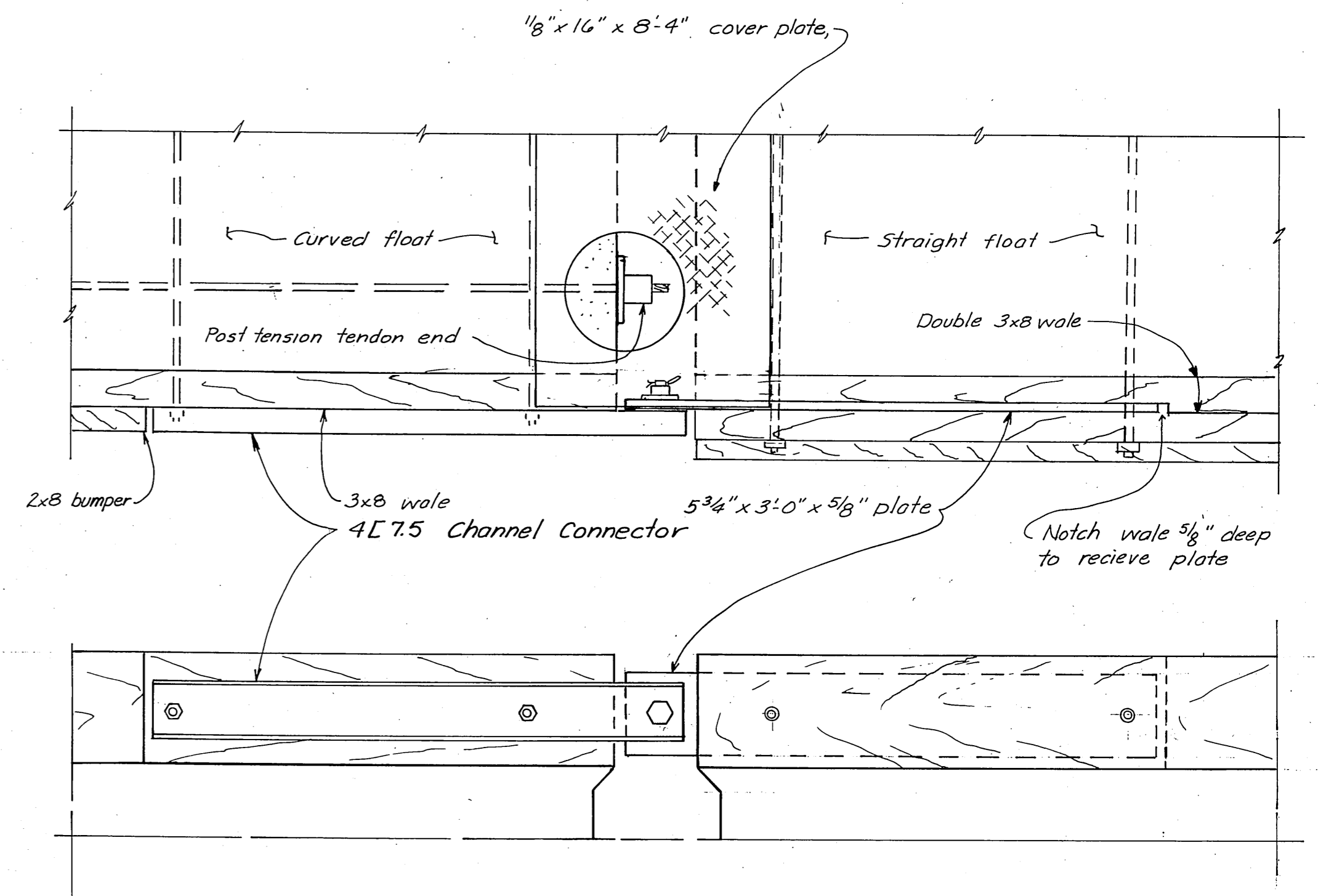




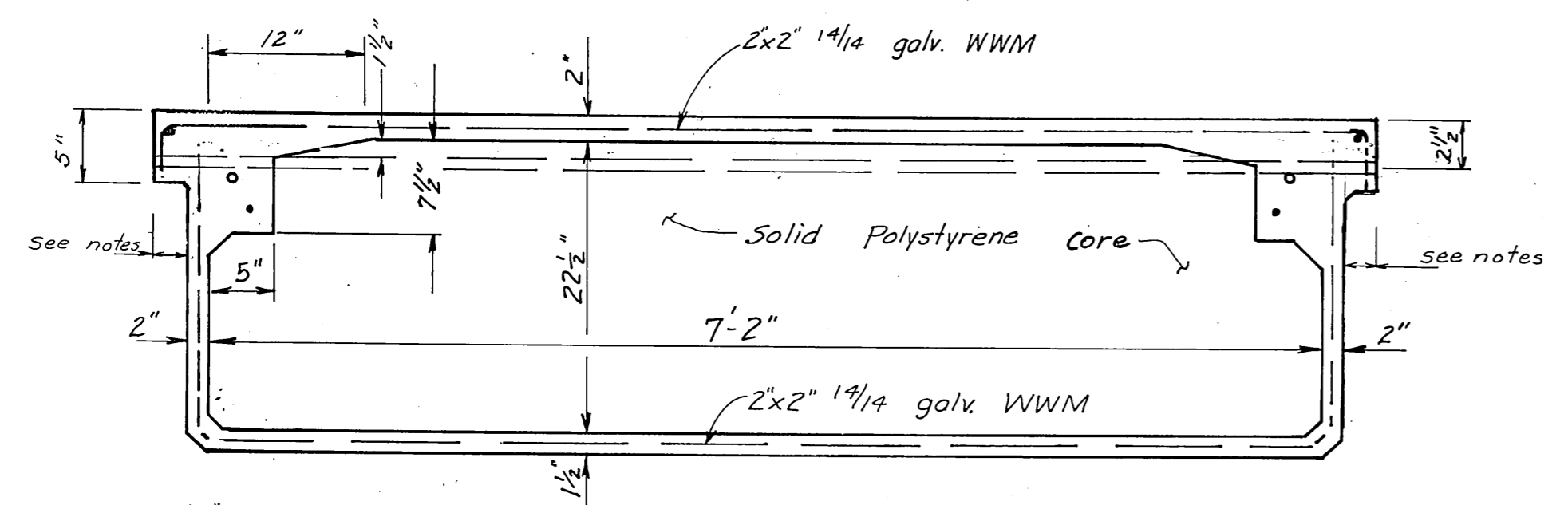
Section B-B



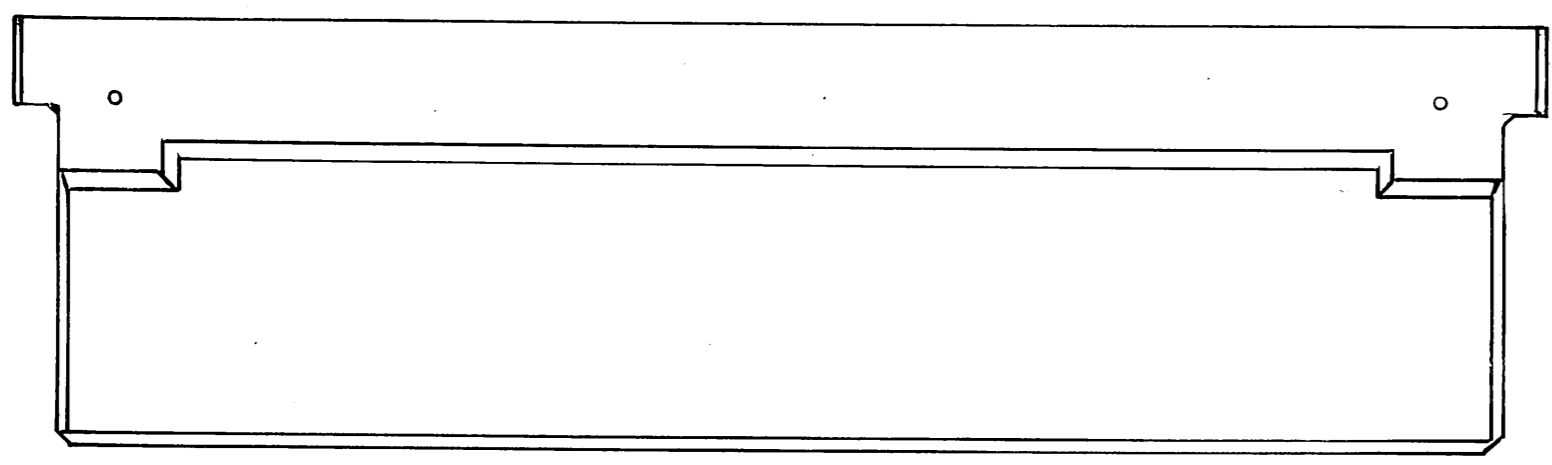
Side View



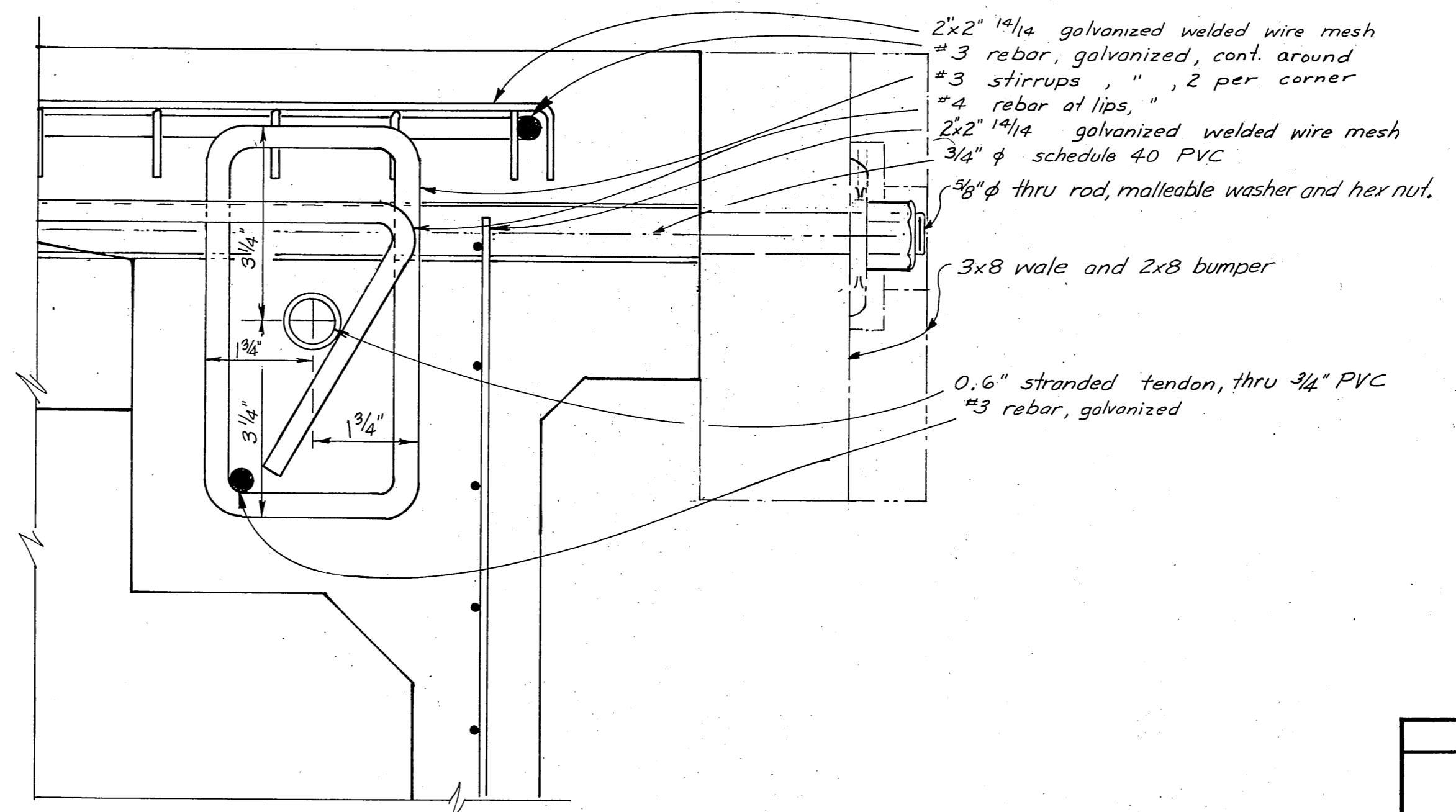
CURVED TO STRAIGHT CONNECTION DETAIL
1/2" = 1'-0"



Section A-A

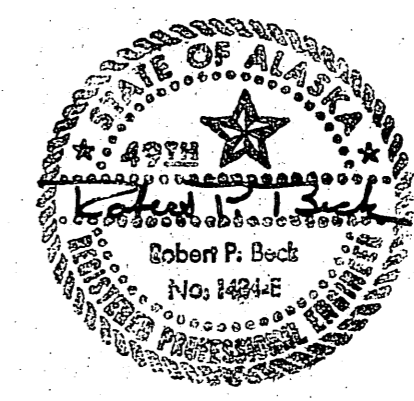


End View

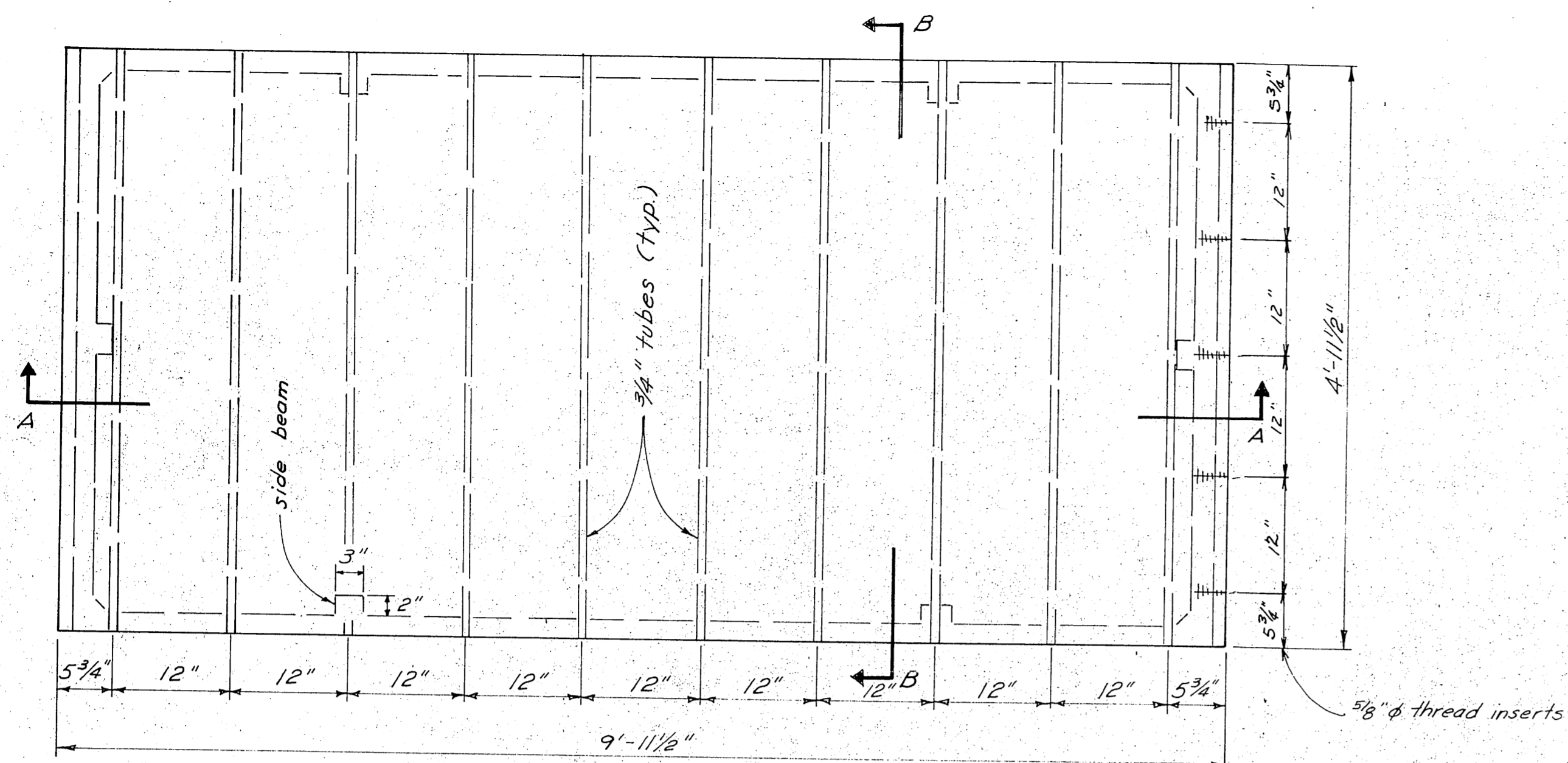


Corner Detail
half-size

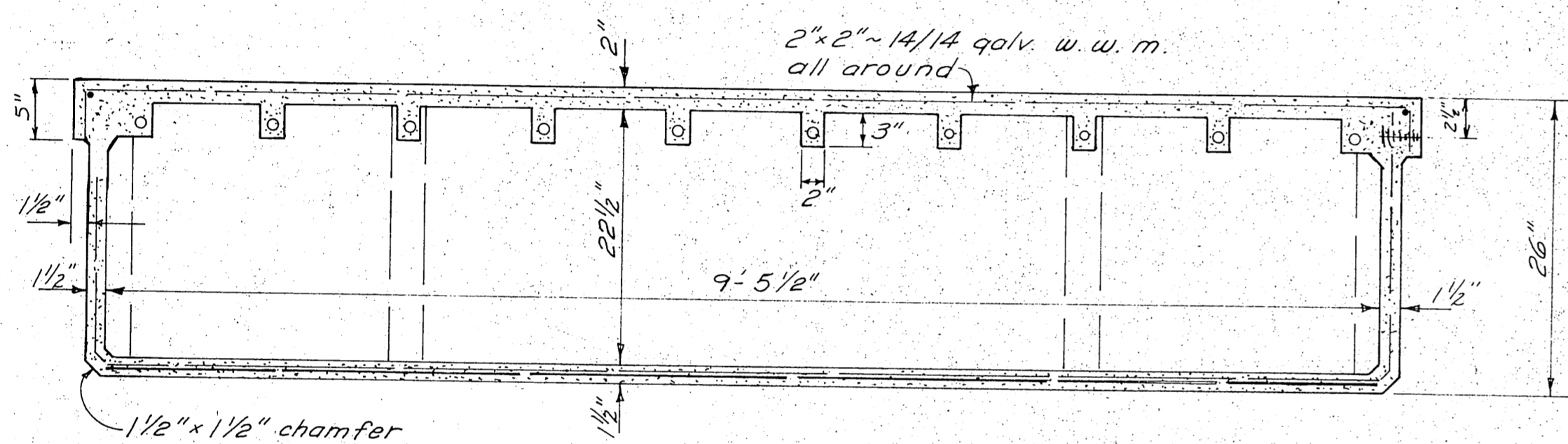
- Notes:
1. Floatation shall be adjusted during casting to allow float to sit level in water.
 2. Shop drawing shall be submitted for approval.
 3. 6x8x1/2" fabrika bearing pads shall be installed between float units @ each tendon.
 4. 0.6 inch diameter stranded tendon shall be galvanized.
 5. After installation, wire ends shall be burned off and painted with Galv-con or equal.
 6. Install wale & rub board each unit, single wale on curved float only. See det on sheet 8. for double wale.



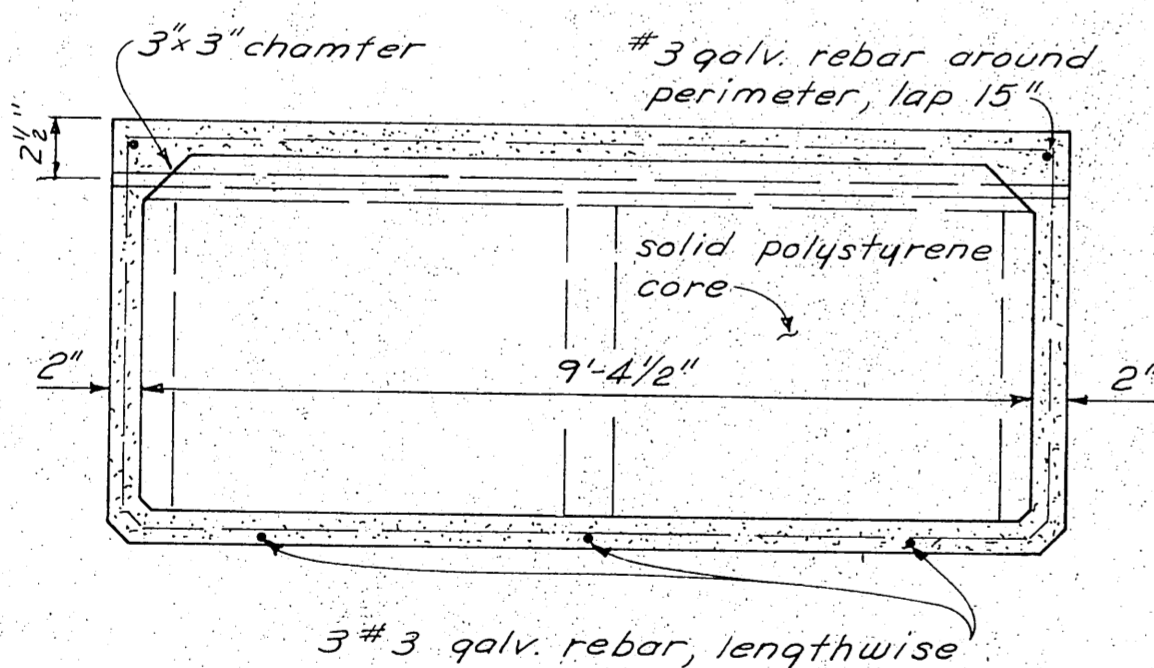
DO NOT SCALE THIS DRAWING - USE DIMENSIONS		
STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS		
Curved Float Unit, 6x8', 18 Units Post-Tensioned 108' Section		
SCALE 1" = 1'-0"	SURVEYED _____	APPROVED _____
DESIGNED _____	DRAWN <i>MM</i>	Don Statter DIRECTOR
CHECKED _____	DATE 12-2-75	
PROJECT NUMBER 3-76158	SHEET 5 OF 10	



PLAN

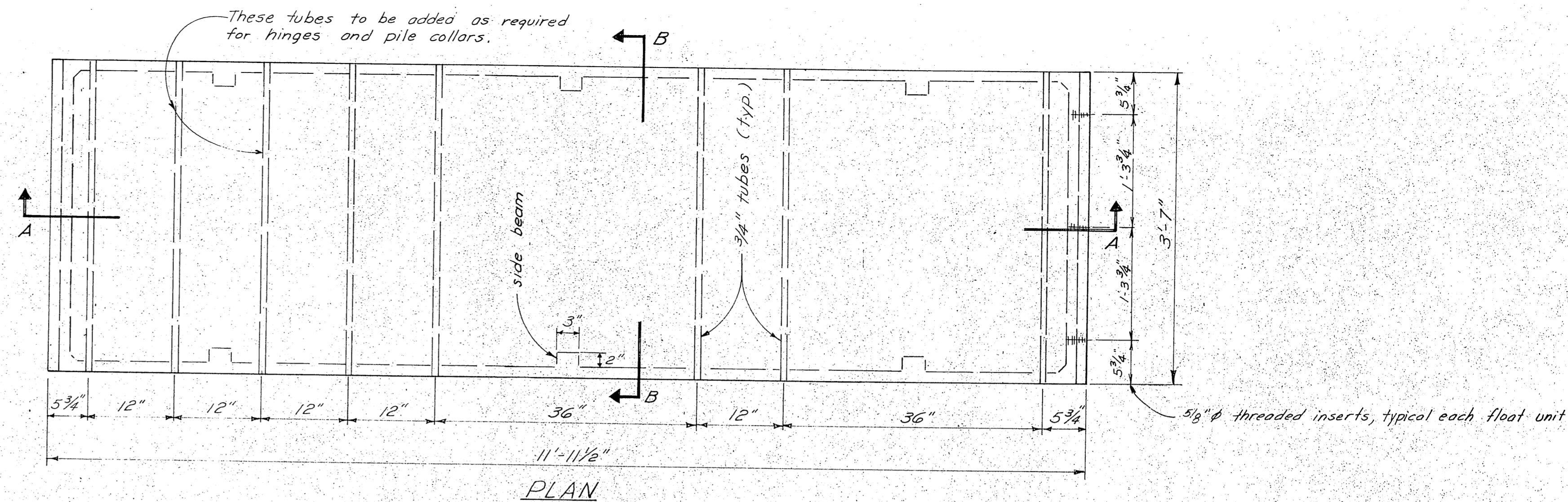


SECTION A-A

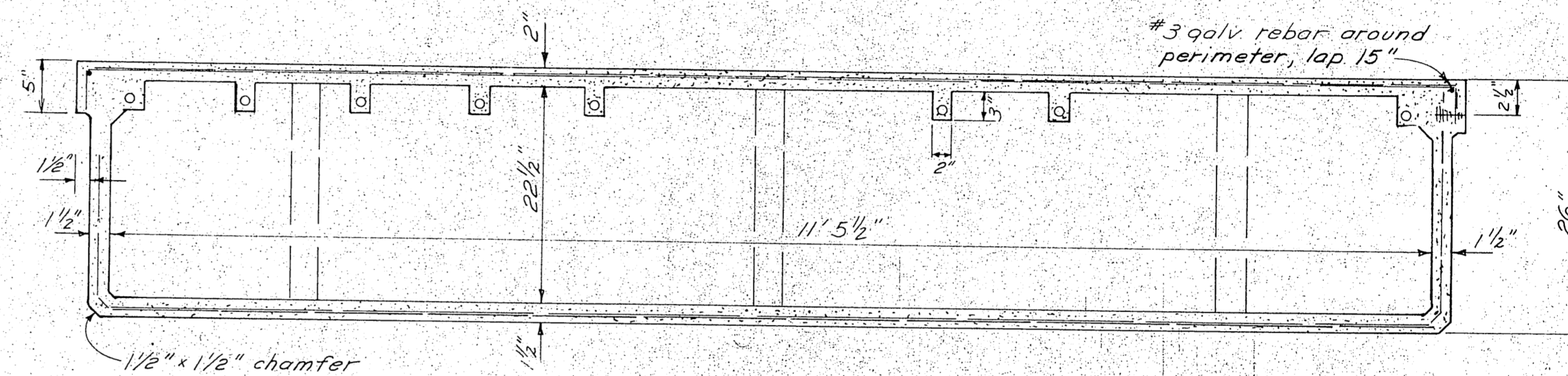


SECTION B-B

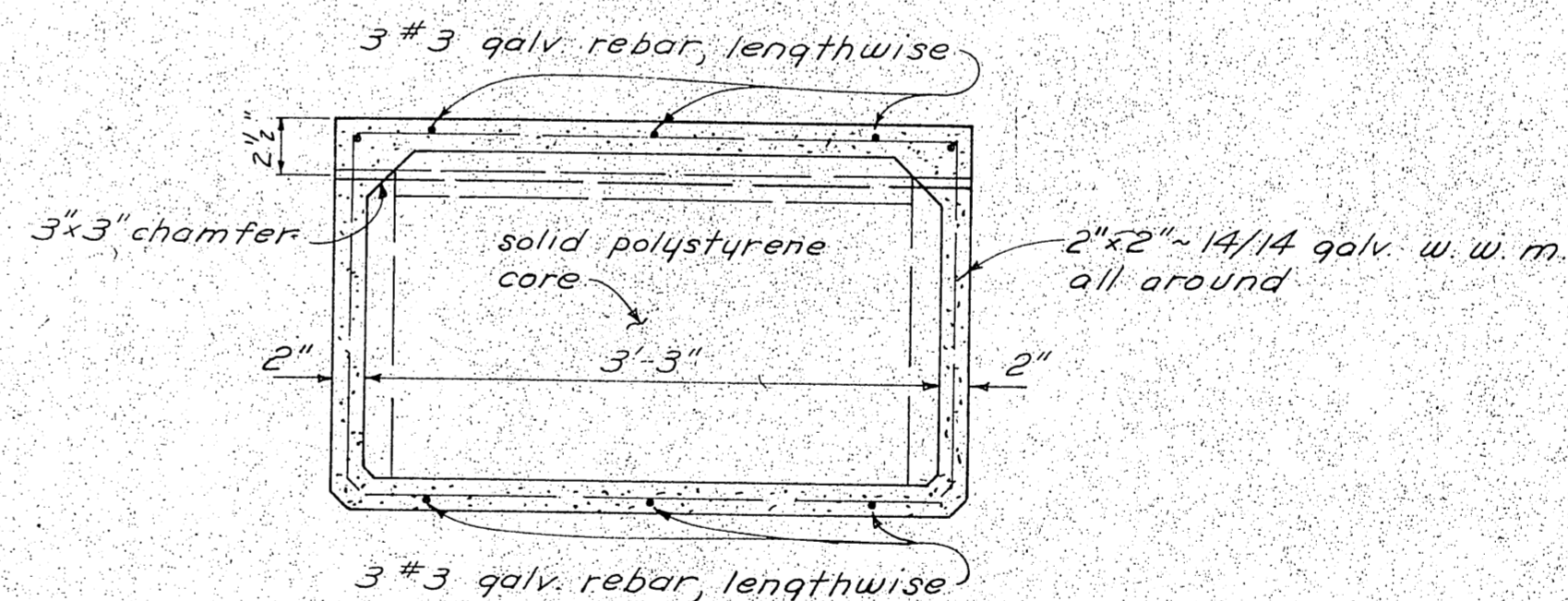
5x10 FLOAT UNIT



PLAN



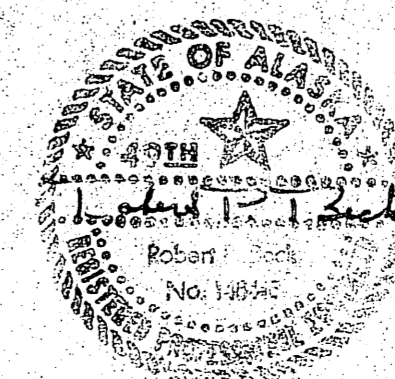
SECTION A-A



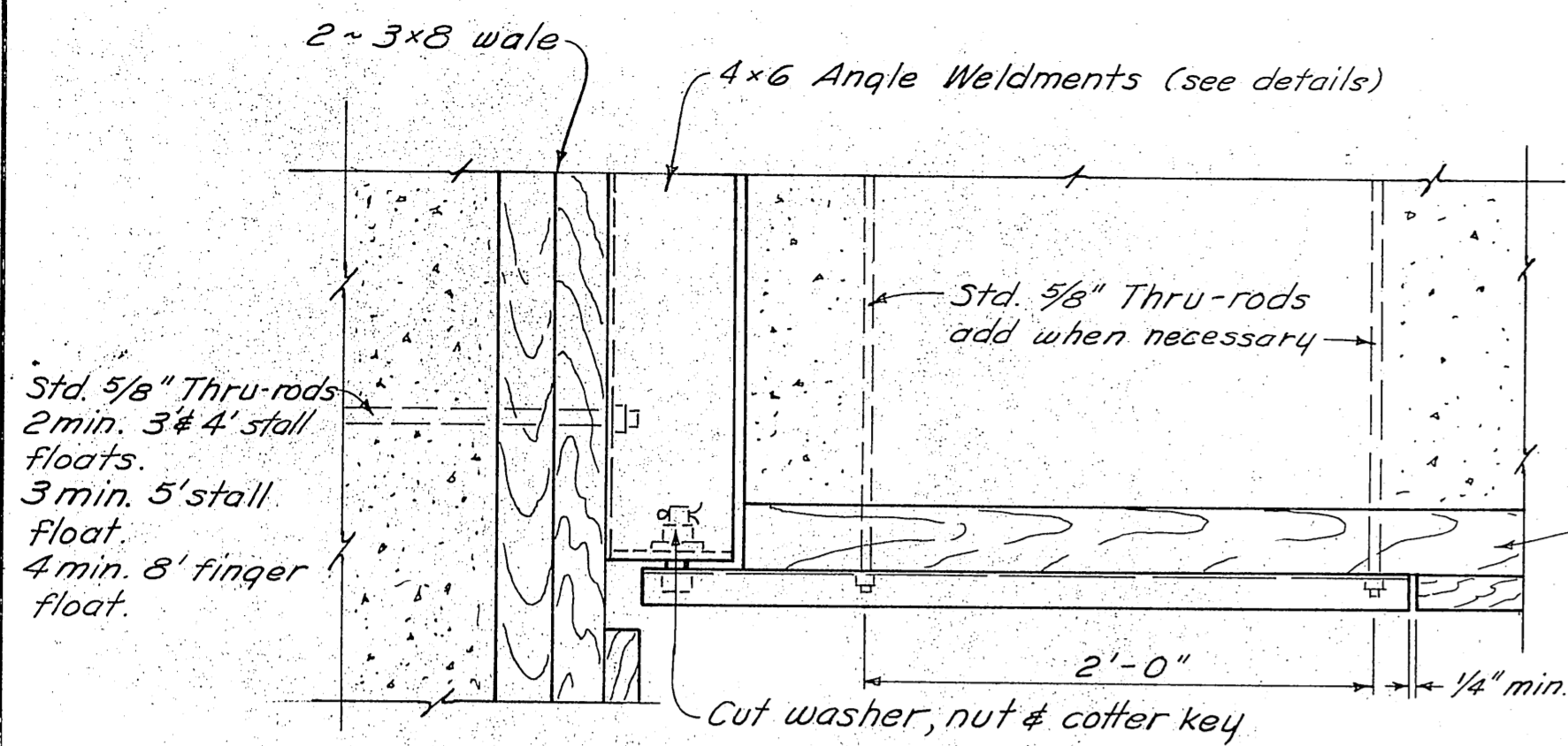
SECTION B-B

4x12 FLOAT UNIT

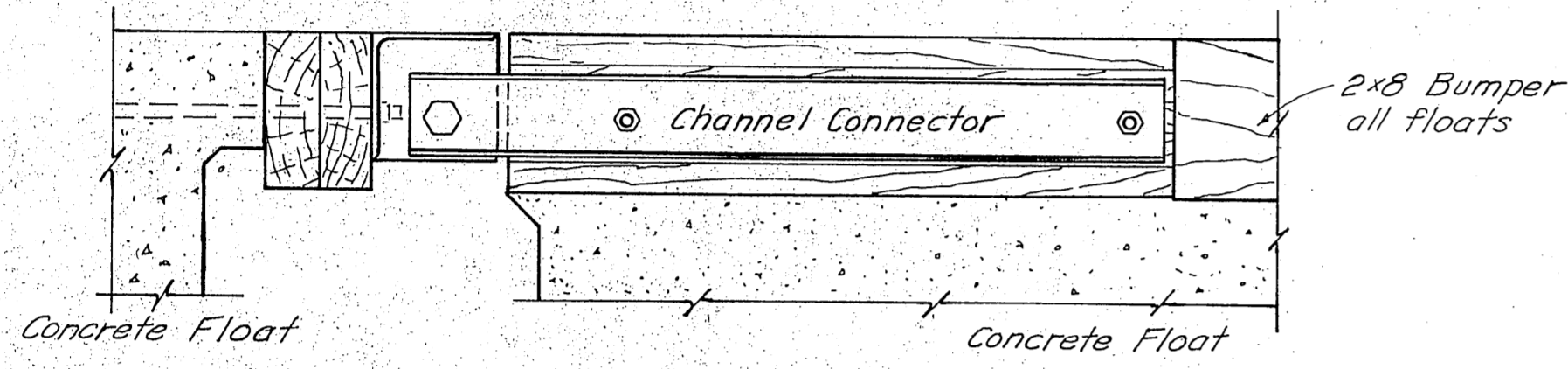
NOTE: 3x10 float units the same as 4x12 except 2'-0\"/>



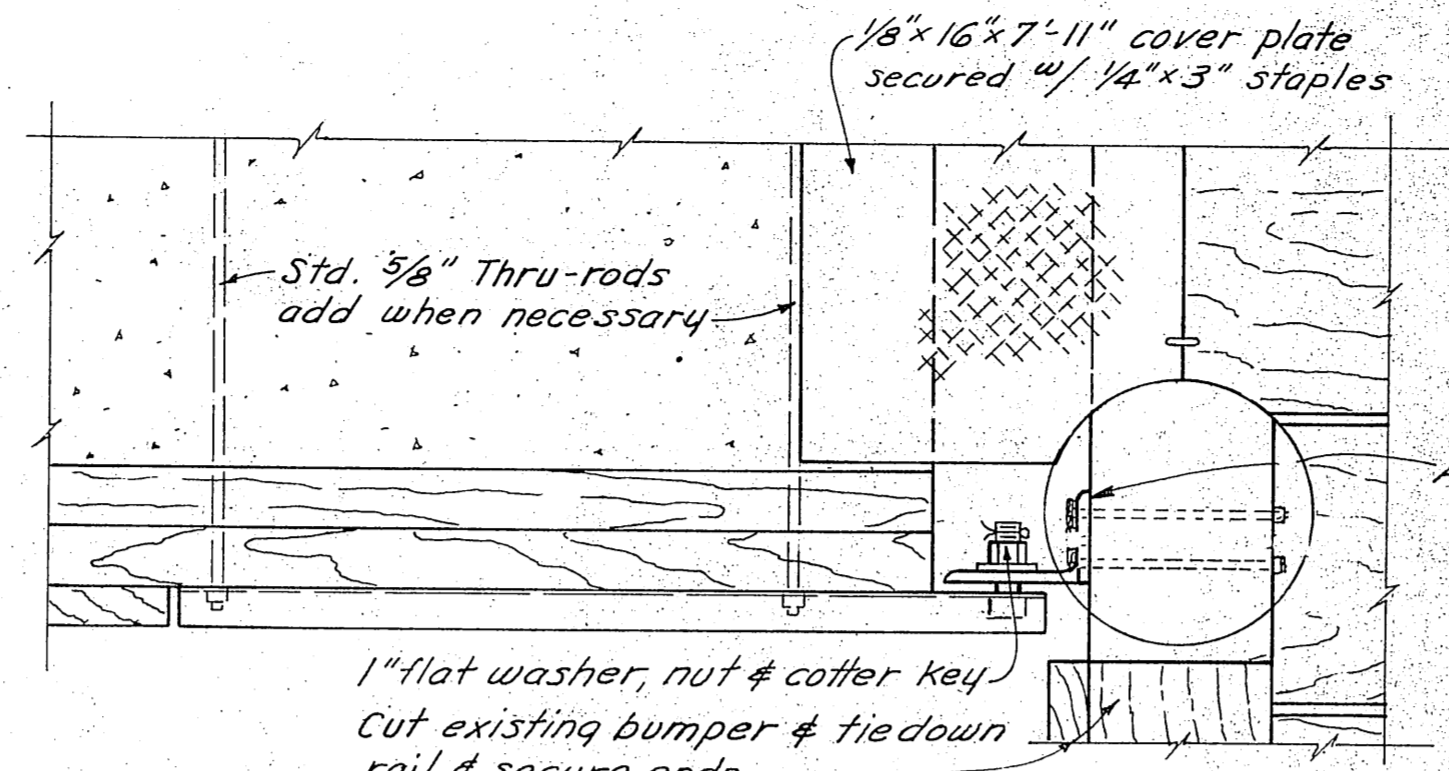
DO NOT SCALE THIS DRAWING— USE DIMENSIONS		
STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS		
3', 4', 5' STALL FLOAT UNITS		
SCALE 1"=1'-0"	SURVEYED	APPROVED
DESIGNED	DRAWN ELS/AM	Don Statter
CHECKED	DATE Oct 1975	DIRECTOR
PROJECT NUMBER 3-76158		SHEET 6 OF 10



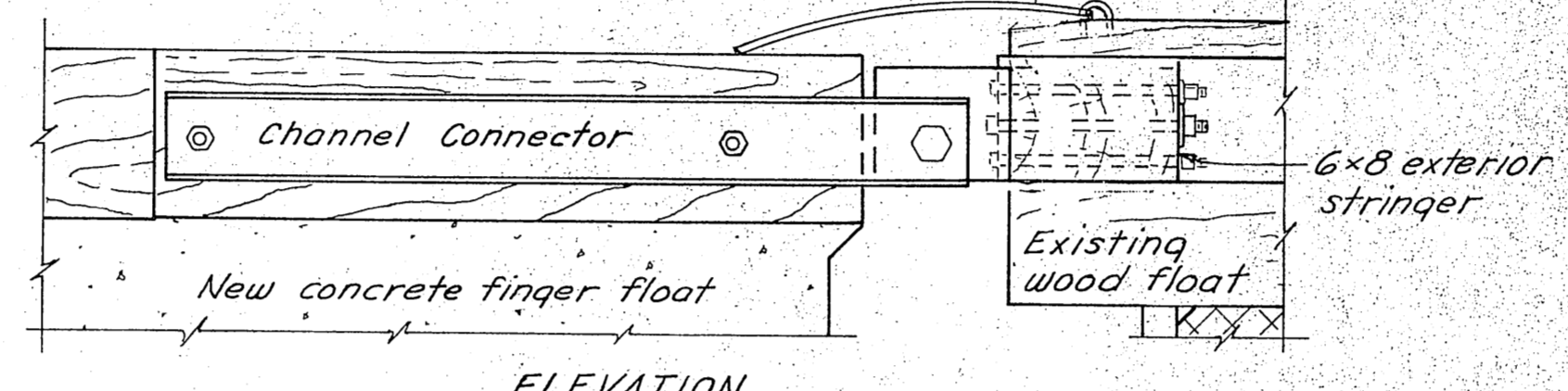
PLAN



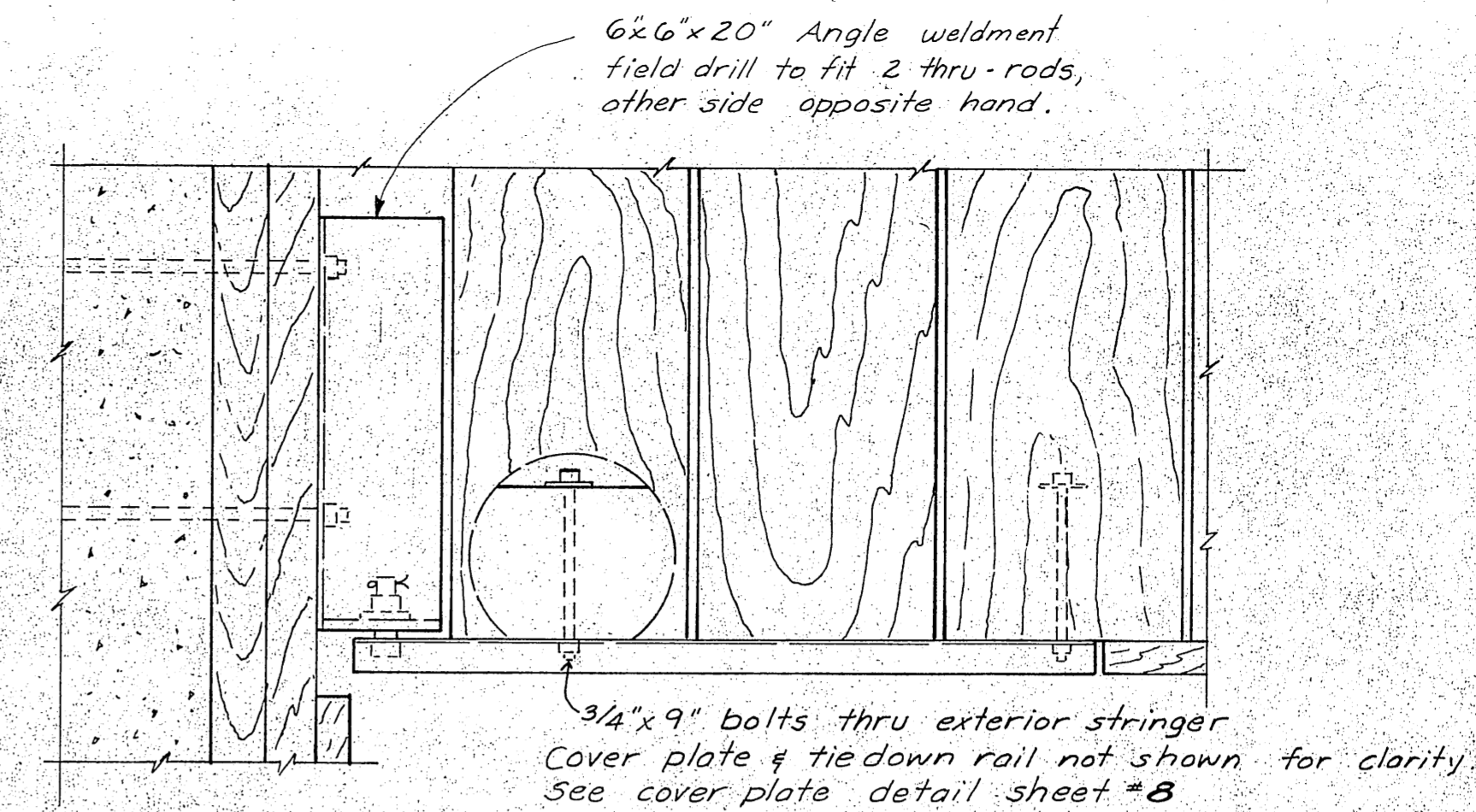
ELEVATION
CONCRETE FLOATS
HINGE CONNECTION DETAILS
1/2" = 1'-0"



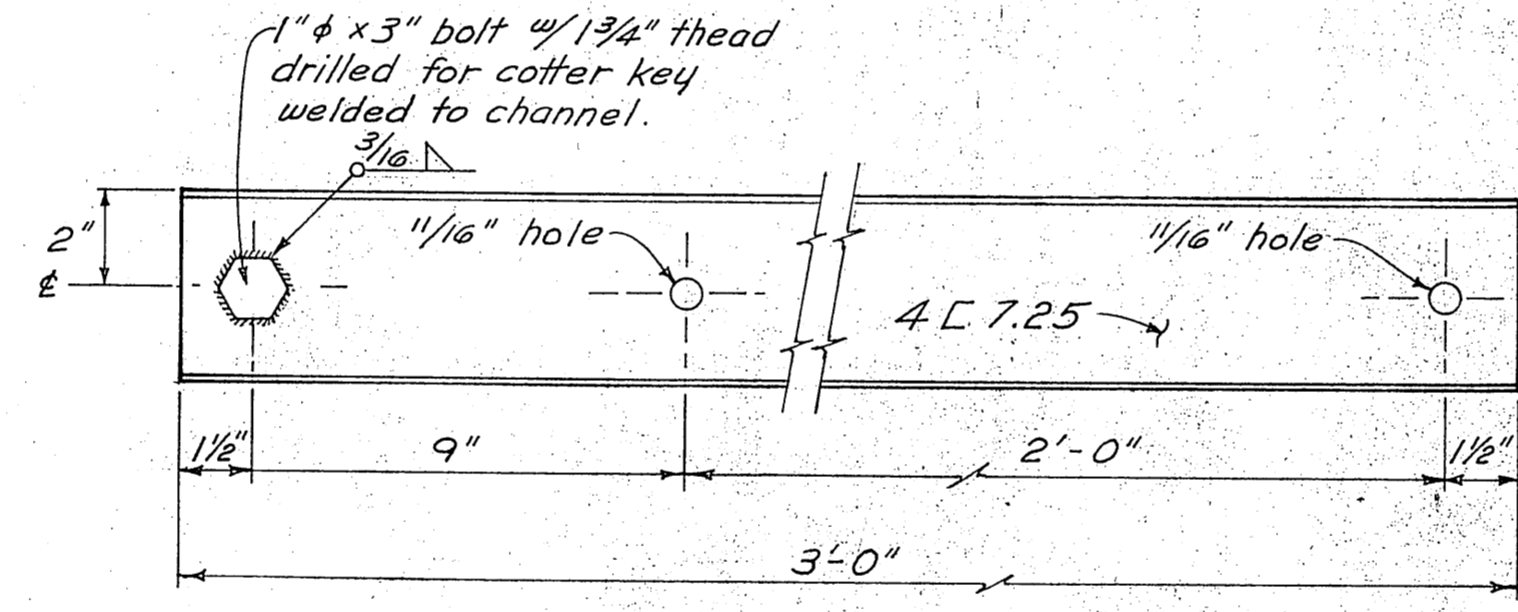
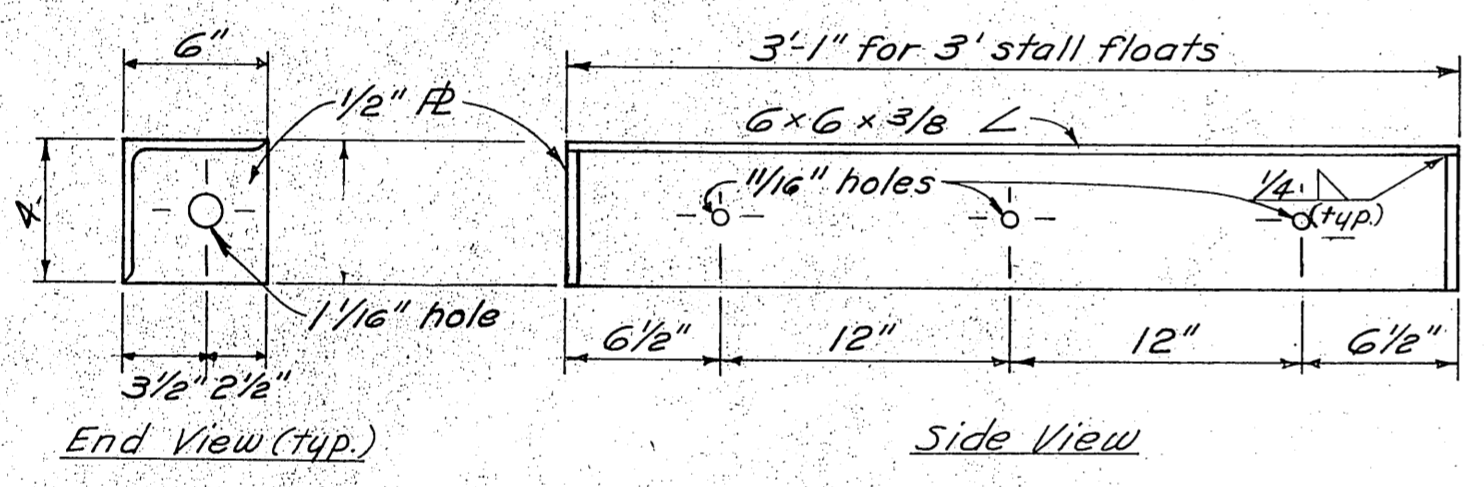
PLAN



ELEVATION
FINGER TO MAIN FLOAT
HINGE CONNECTION DETAILS
1/2" = 1'-0"



FINGER TO EXISTING TIMBER FLOAT
1/2" = 1'-0"



CHANNEL CONNECTOR
3" = 1'-0"

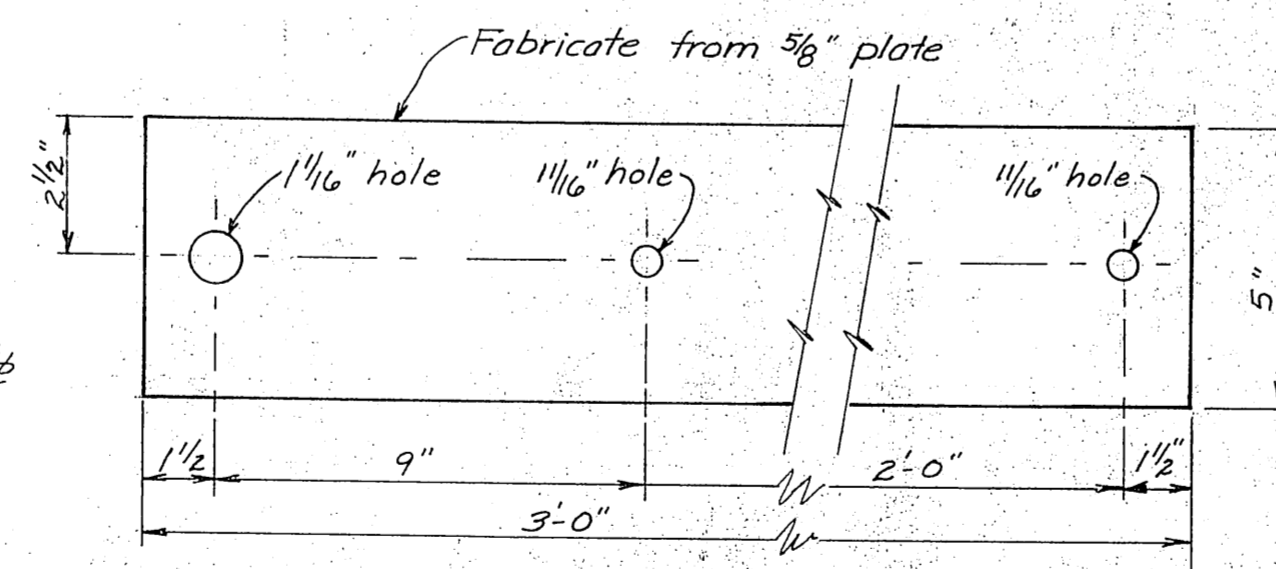
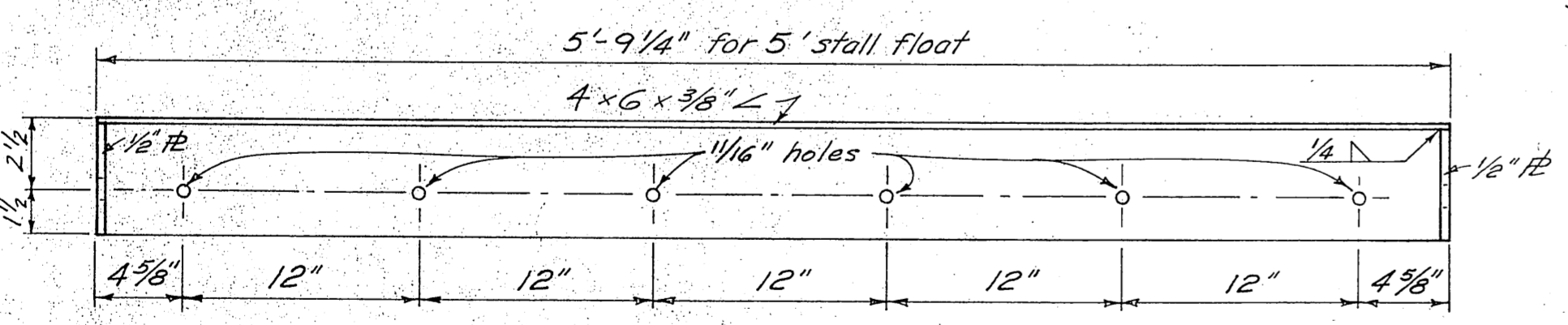
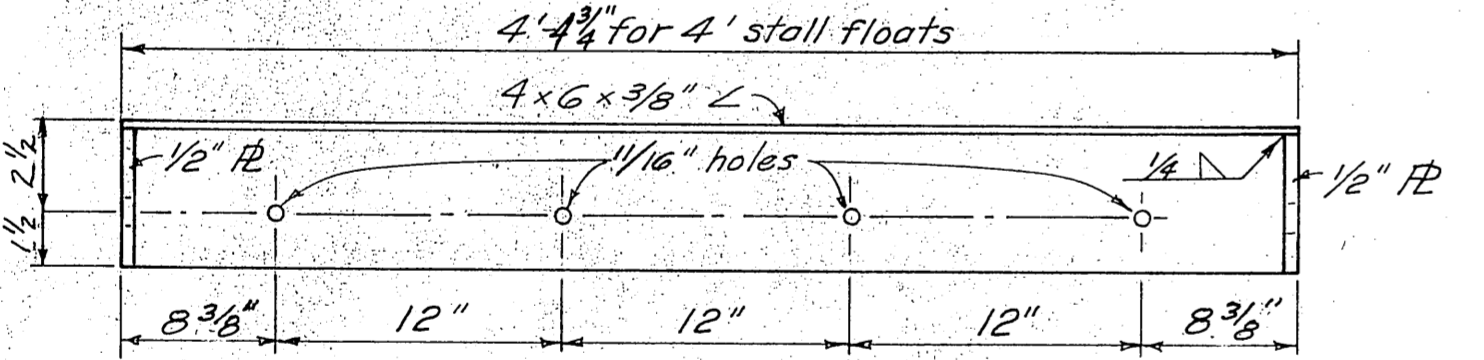
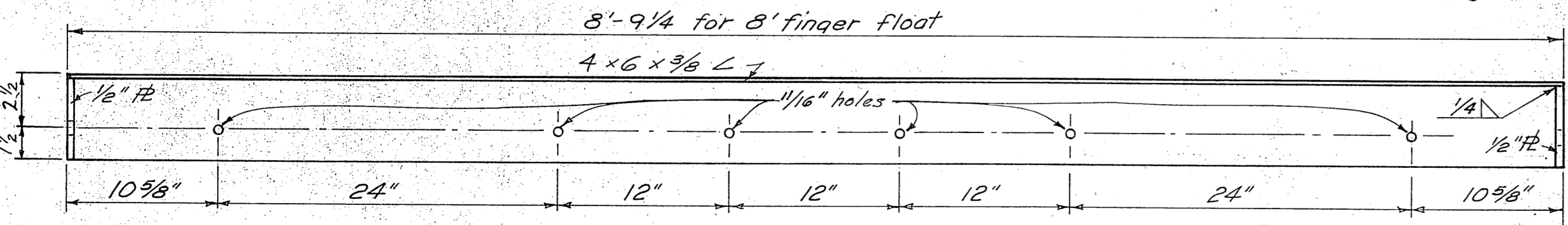
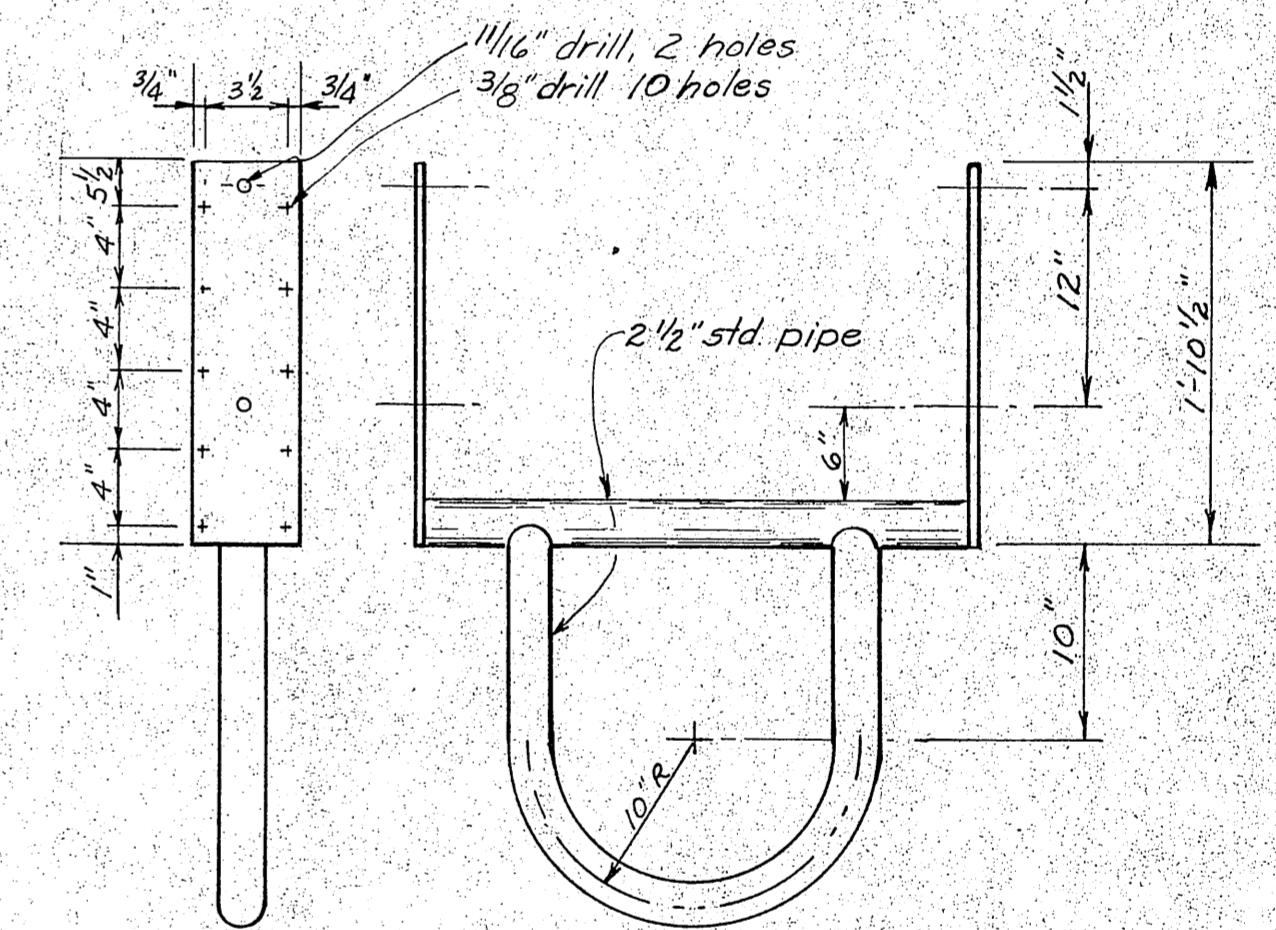


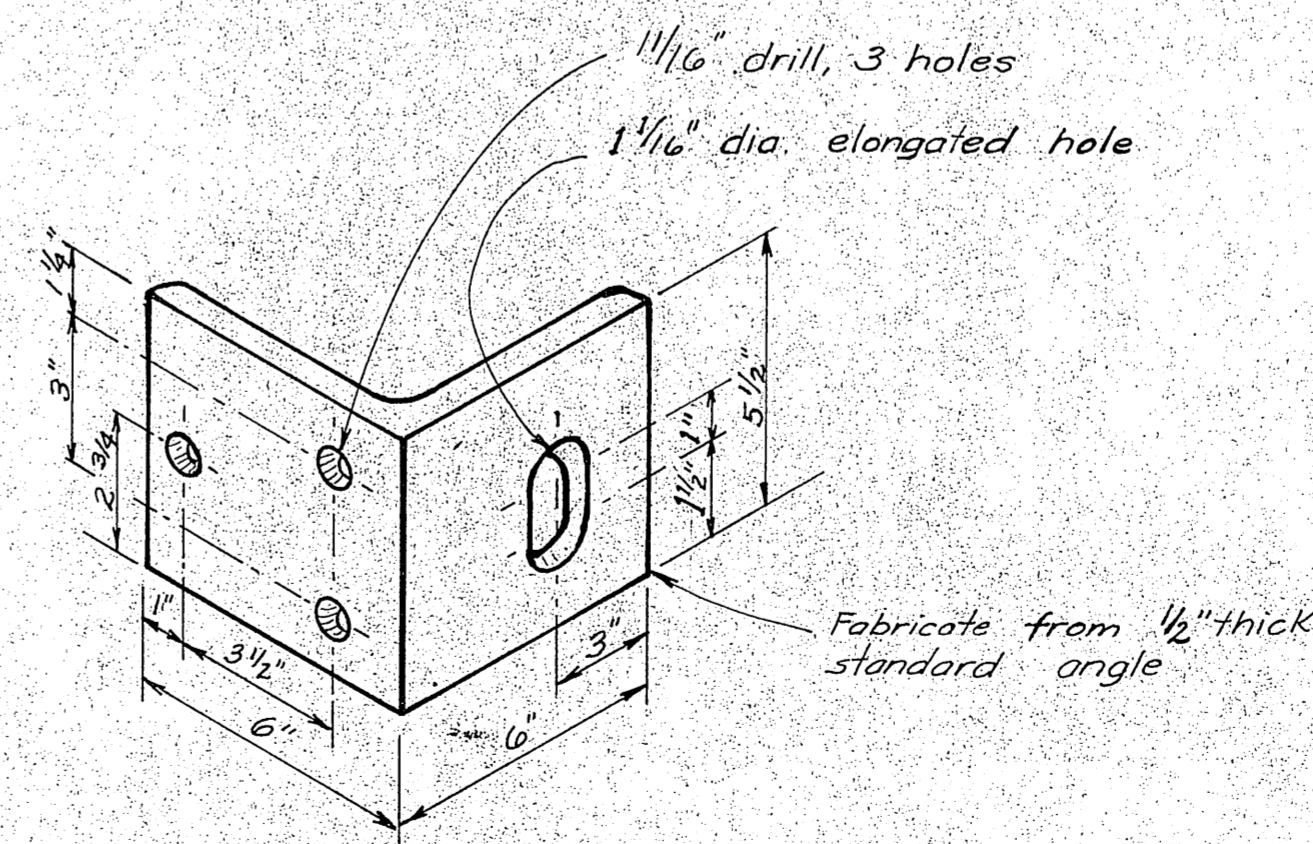
PLATE CONNECTOR
3" = 1'-0"



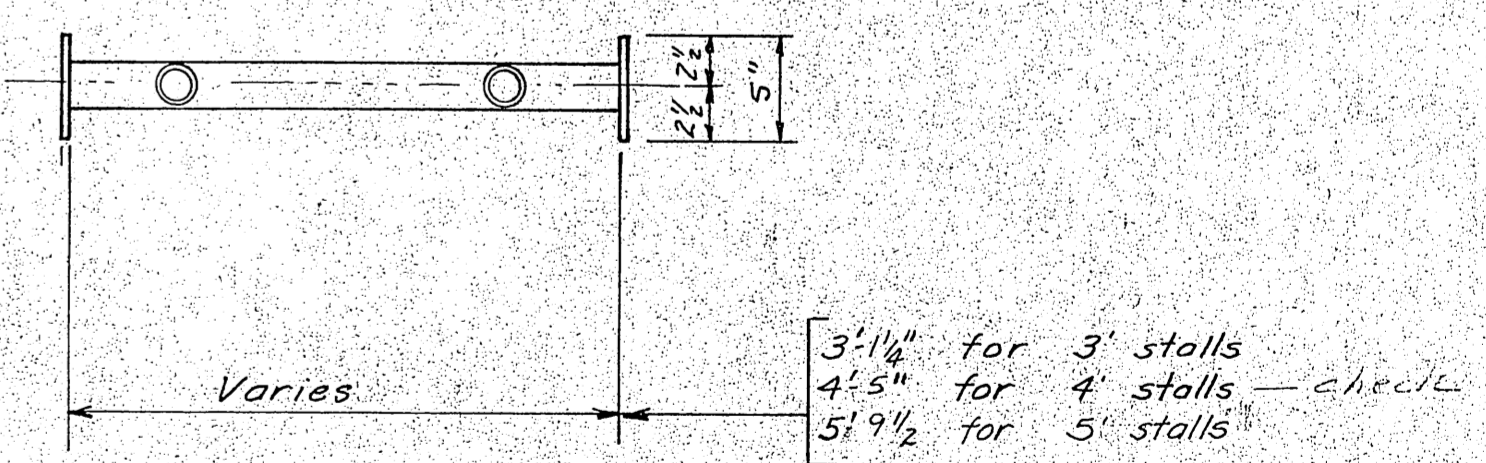
6x6 ANGLE WELDMENTS
DETAILS
1/2" = 1'-0"



STALL FLOAT PILE COLLAR
nts

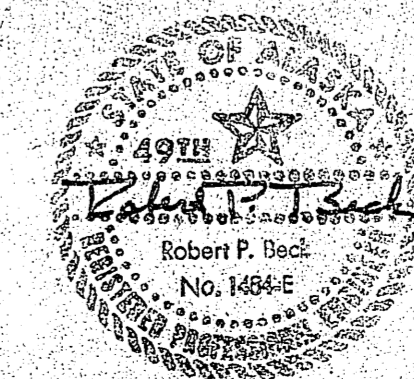


SIDE
ANGLE CLIP
3" = 1'-0"

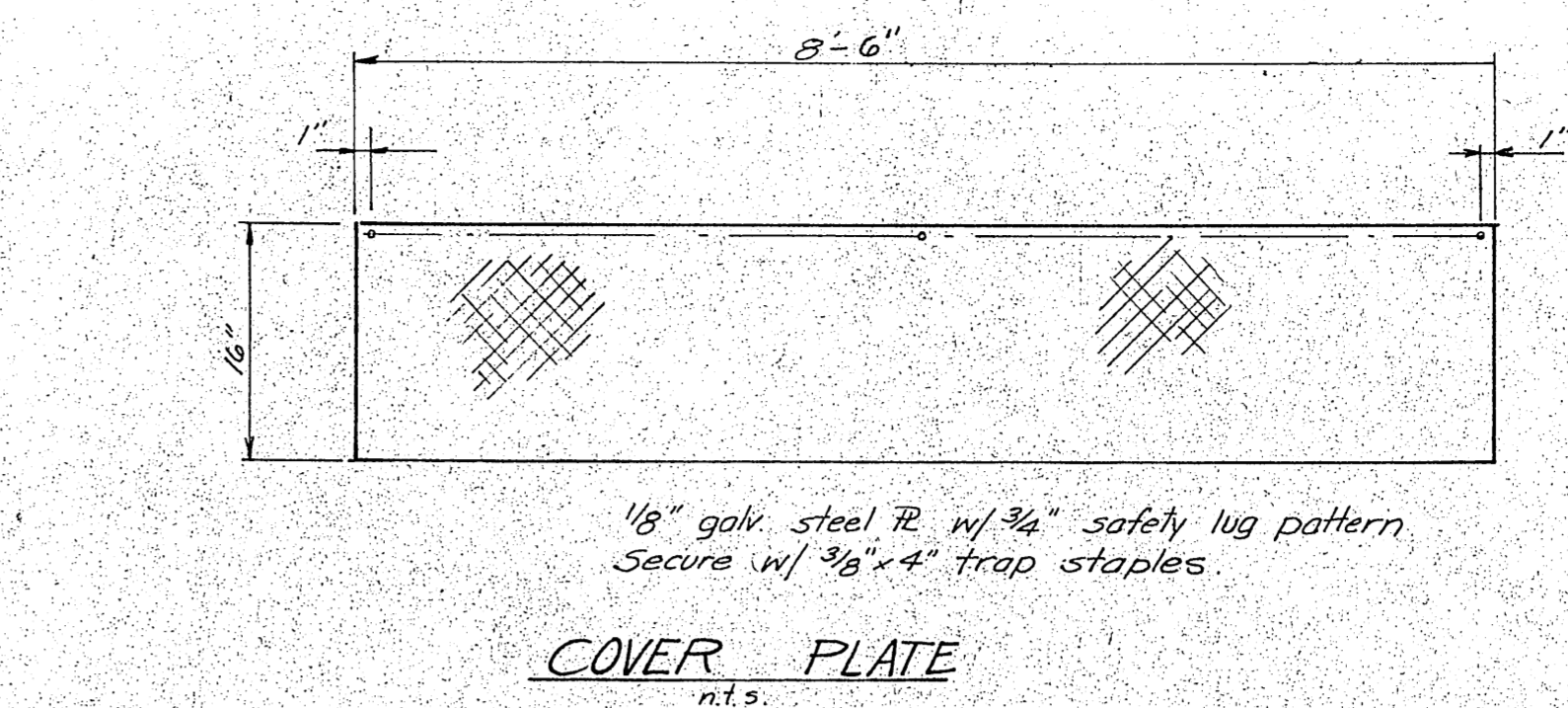
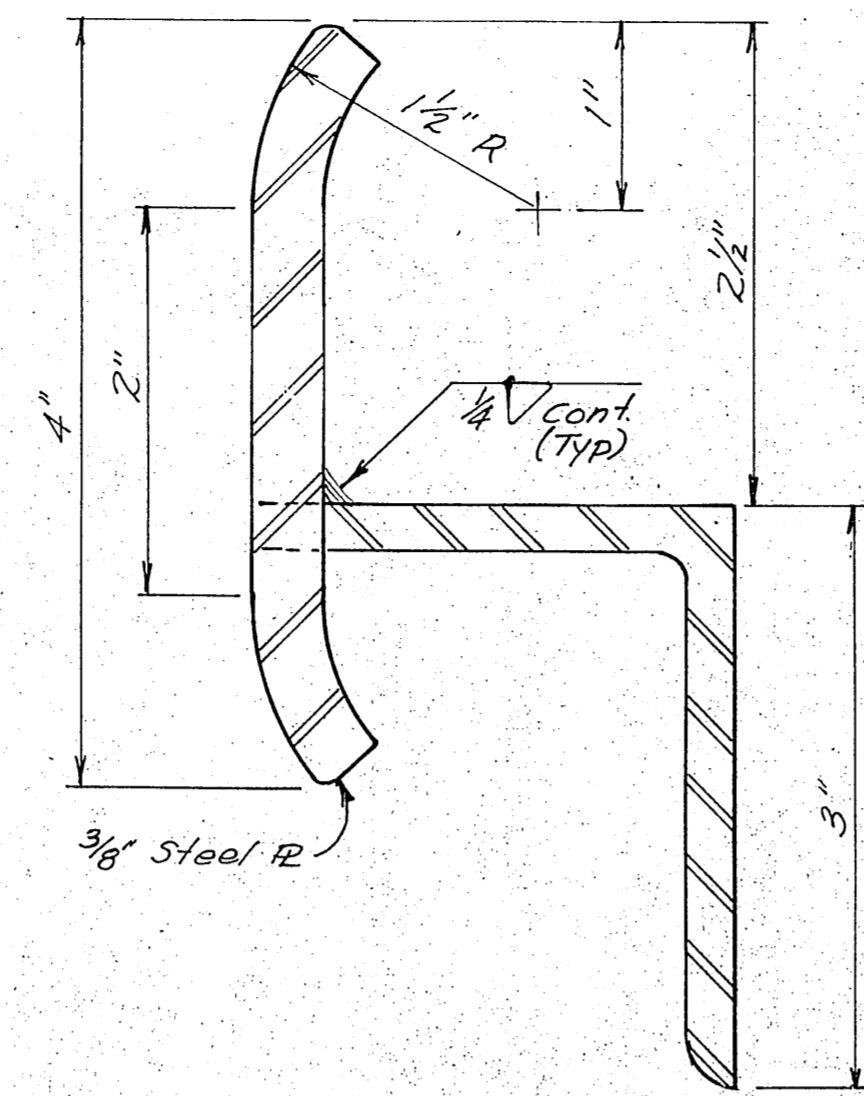
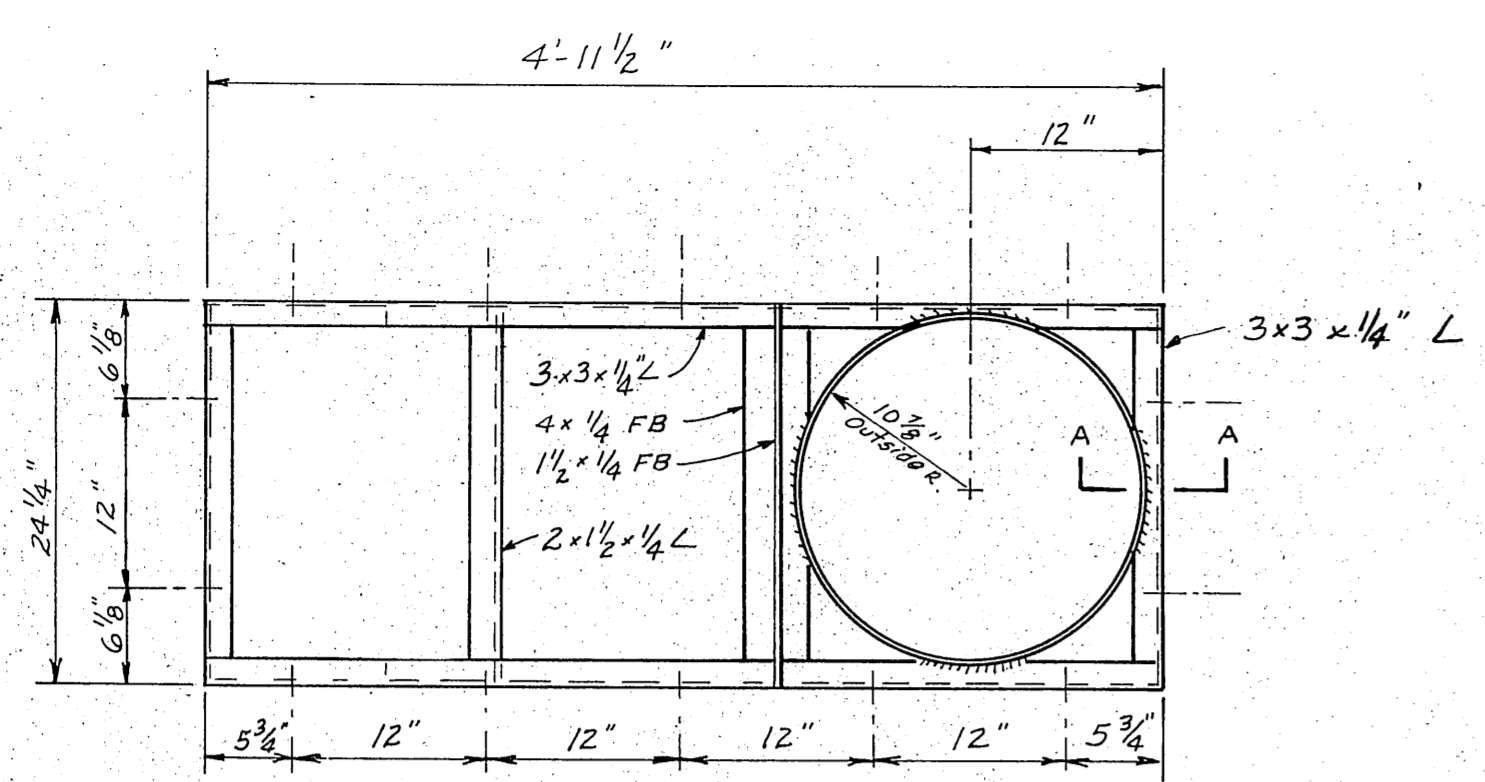


DO NOT SCALE THIS DRAWING - USE DIMENSIONS
STATE OF ALASKA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WATER AND HARBORS

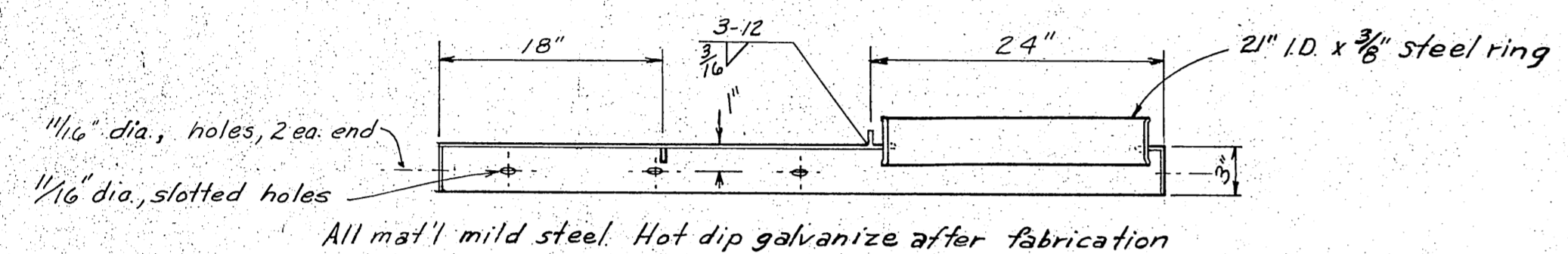
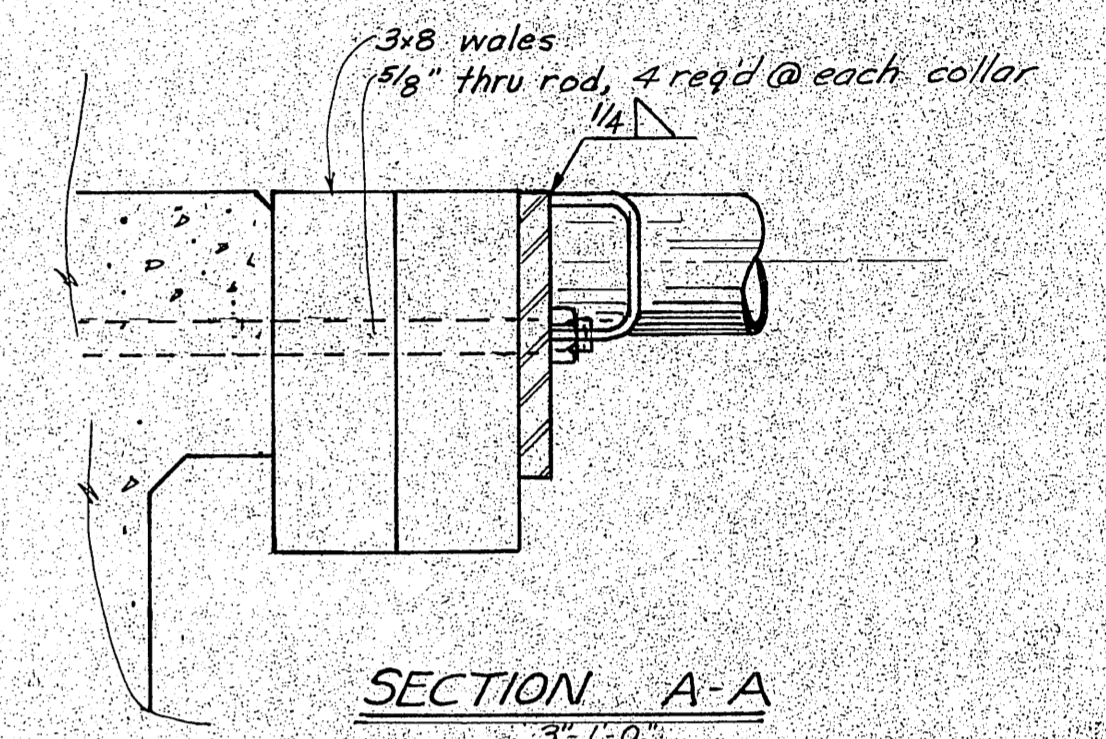
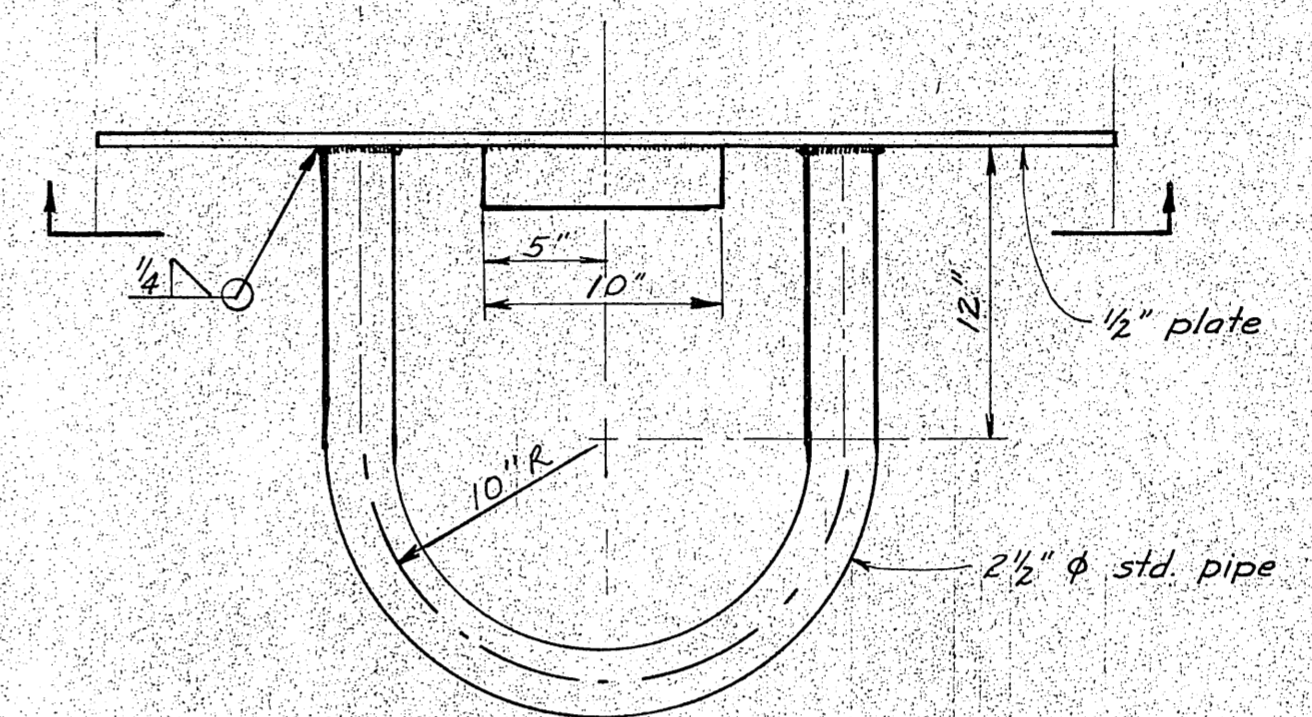
HINGE CONNECTIONS and
PILE COLLAR DETAILS



SCALE As noted	SURVEYED	APPROVED
DESIGNED BS	DRAWN BS/HA	Don Statter
CHECKED	DATE Dec 10, 1975	DIRECTOR
PROJECT NUMBER 3-76158		SHEET 7 OF 10

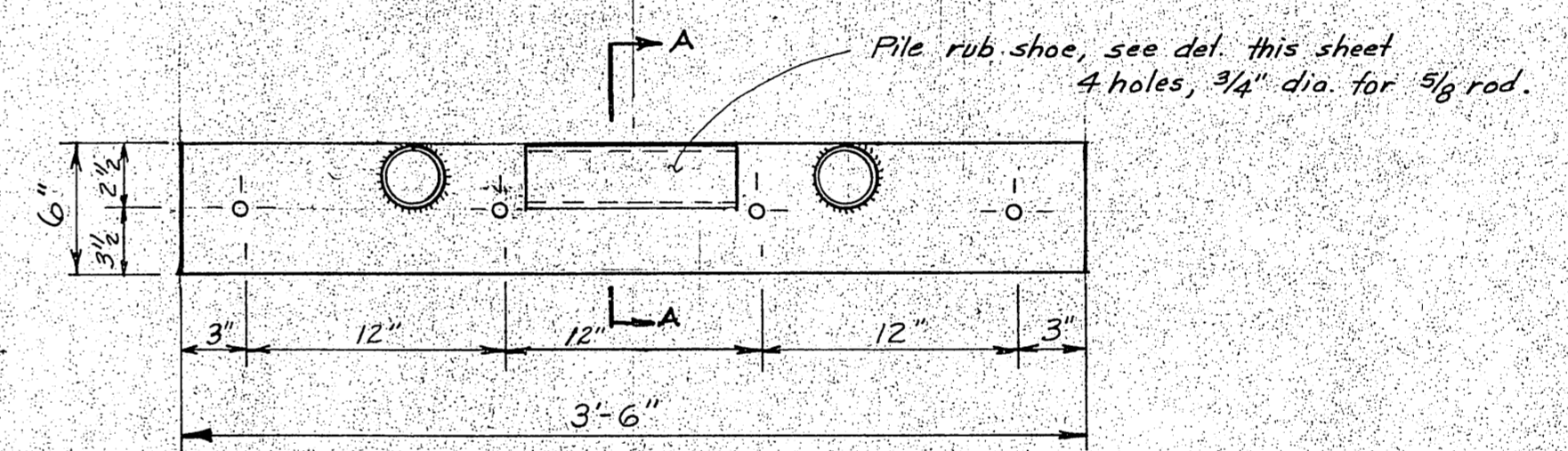


Radius transition plates to give 2" rise



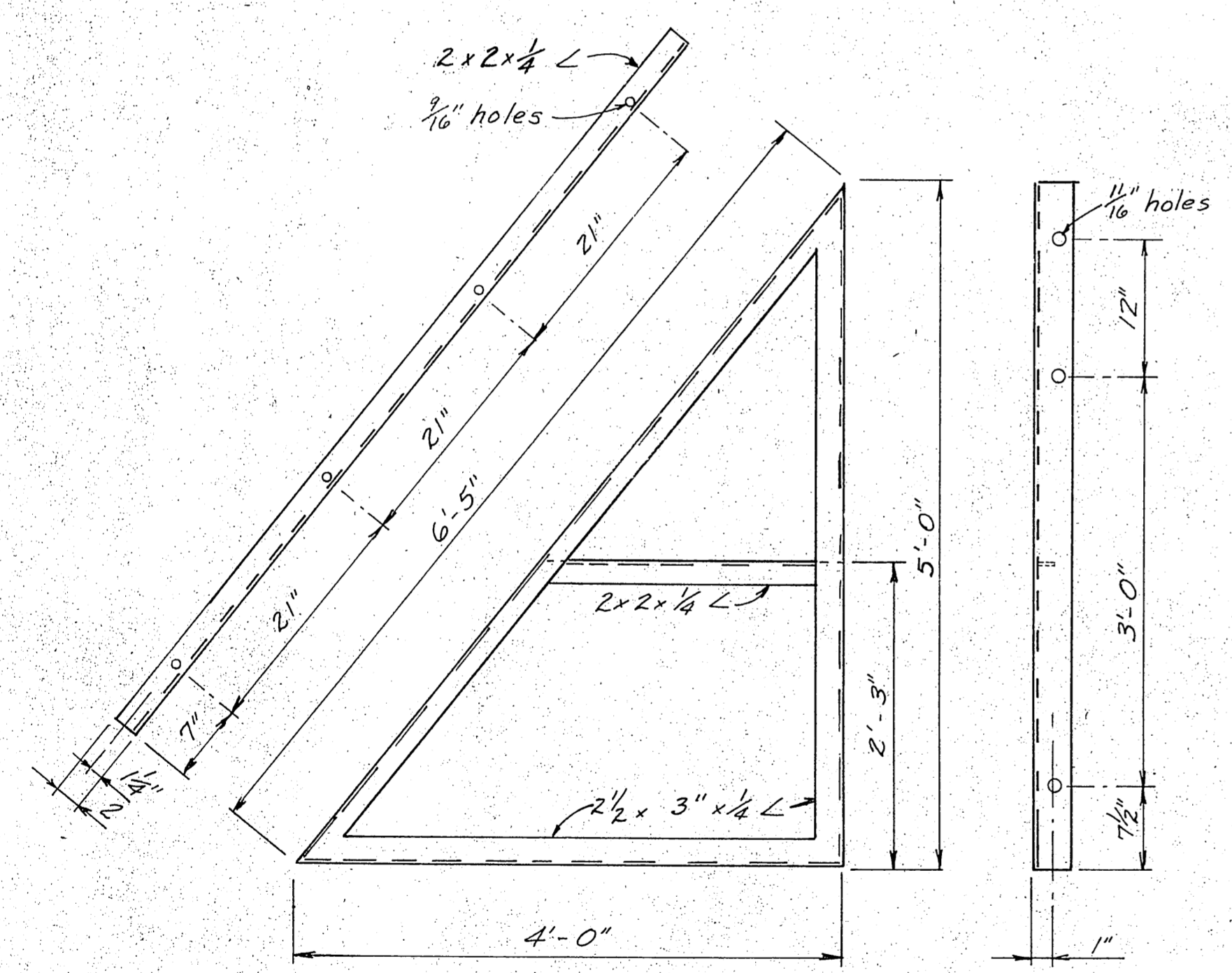
SECTION A-A
 FULL SIZE

PILE COLLAR WELDMENT DET'L
 1" = 1'-0"

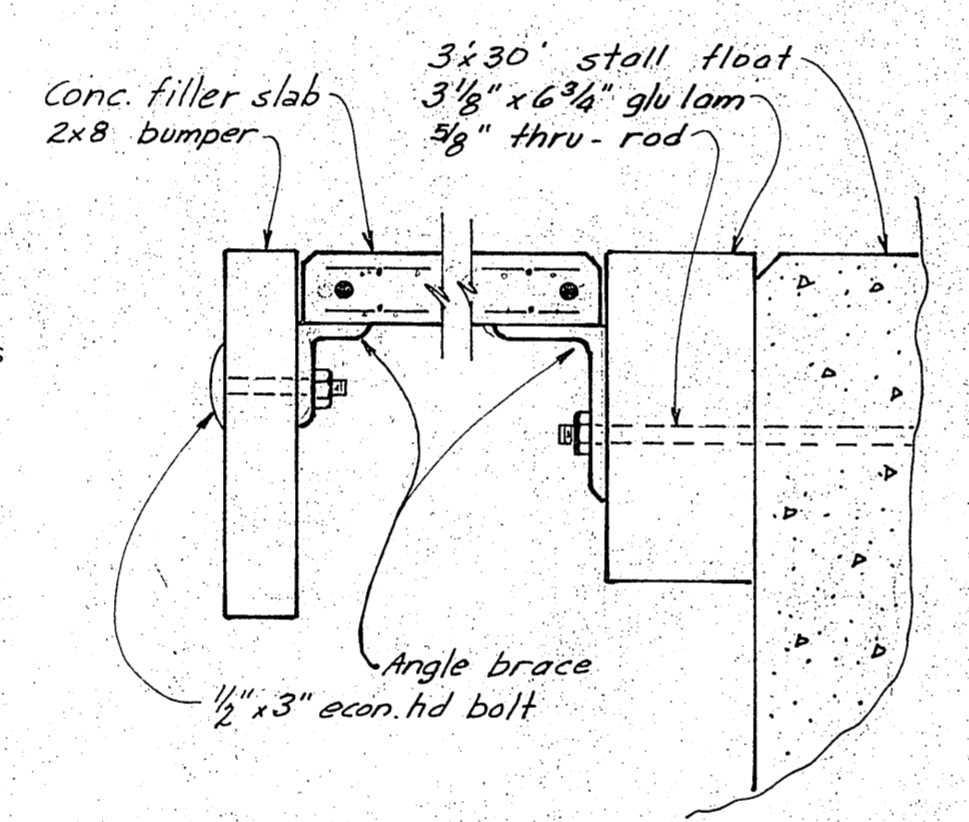


PILE COLLAR
 1 1/2" = 1'-0"

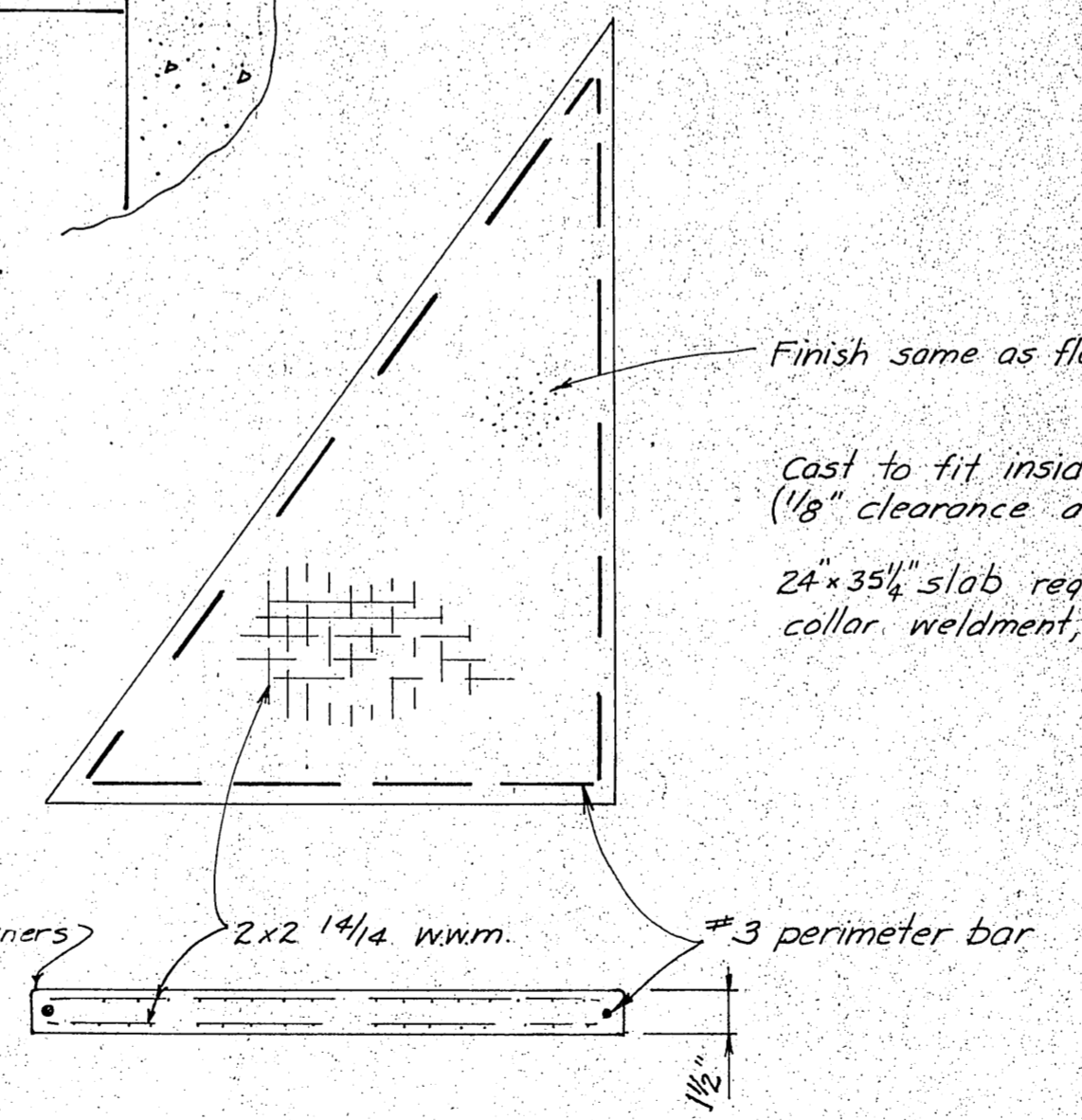
RUB SHOE DETAIL
 half size



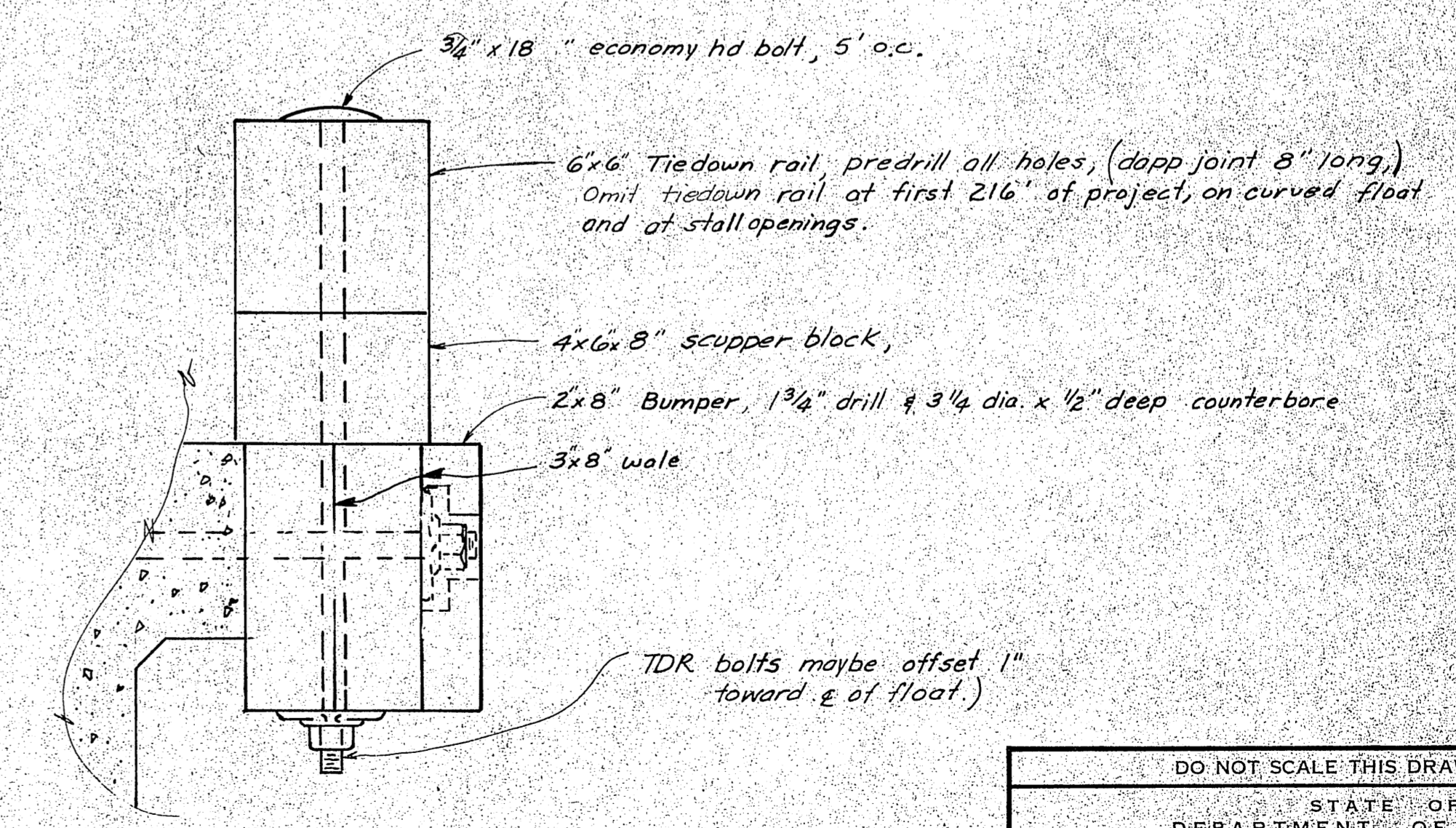
ANGLE BRACES
 1" = 1'-0"



DETAIL AT BRACE

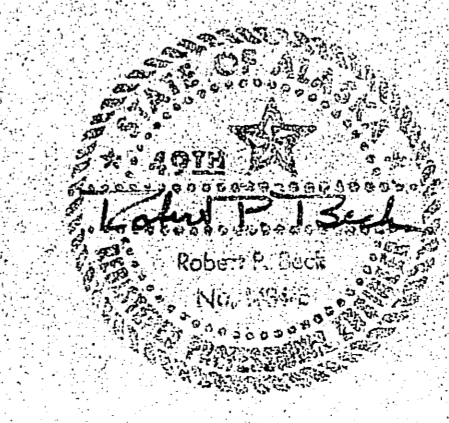


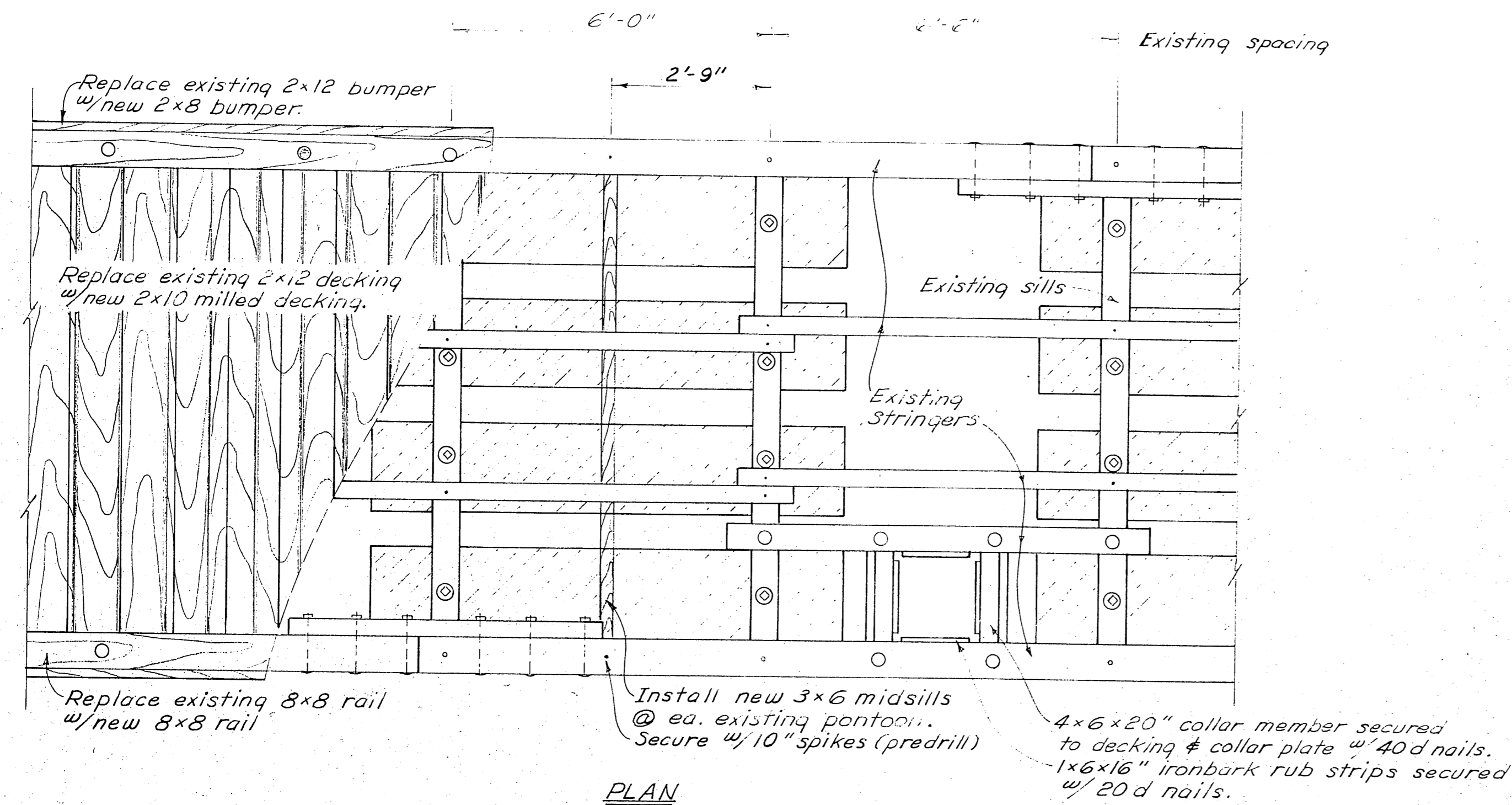
CONC. FILLER SLAB DETAIL



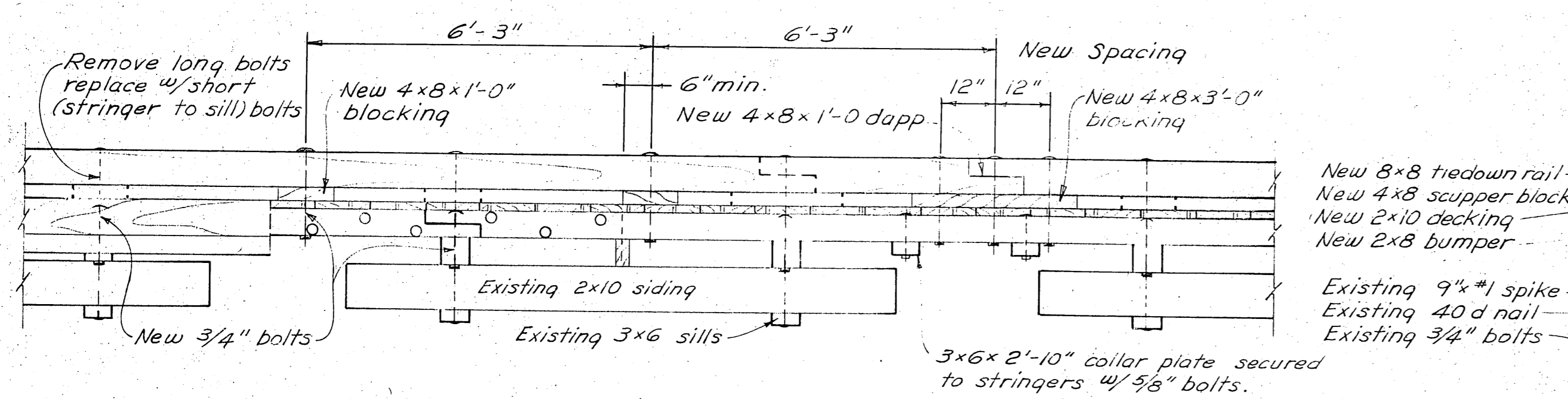
TIE-DOWN RAIL
 3" = 1'-0"

DO NOT SCALE THIS DRAWING - USE DIMENSIONS		
STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS		
MISC. DETAIL SHEET		
SCALE As noted	SURVEYED	APPROVED
DESIGNED	DRAWN HH	Don Staller DIRECTOR
CHECKED	DATE Dec 75	
PROJECT NUMBER 3-7615B	SHEET 8 OF 10	





PLAN
1/2" = 1'-0"



ELEVATION
1/2" = 1'-0"

MATERIALS		
ITEM	DRESSING	TREATMENT
8x8 tiedown rail	S4S	0.5 lb. penta
4x8 blocking	S4S	" "
2x10 decking	Milled	" "
2x8 bumper	S4S	" "
3x6 midsills	S2E	12 lb. creol.
4x6 collar member	S2E	" "
3x6 collar plate	S2E	" "

DRILLING		SCHEDULE	
SHOP DRILL	FIELD DRILL	SHOP DRILL	FIELD DRILL
Tiedown rail ~ all holes.	Tiedown rail blocking ~ all holes.	Midsills ~ holes for stringer to midsill spikes.	

Drill holes for bolts 1/16" oversize.
Drill holes for spikes 1/16" undersize.

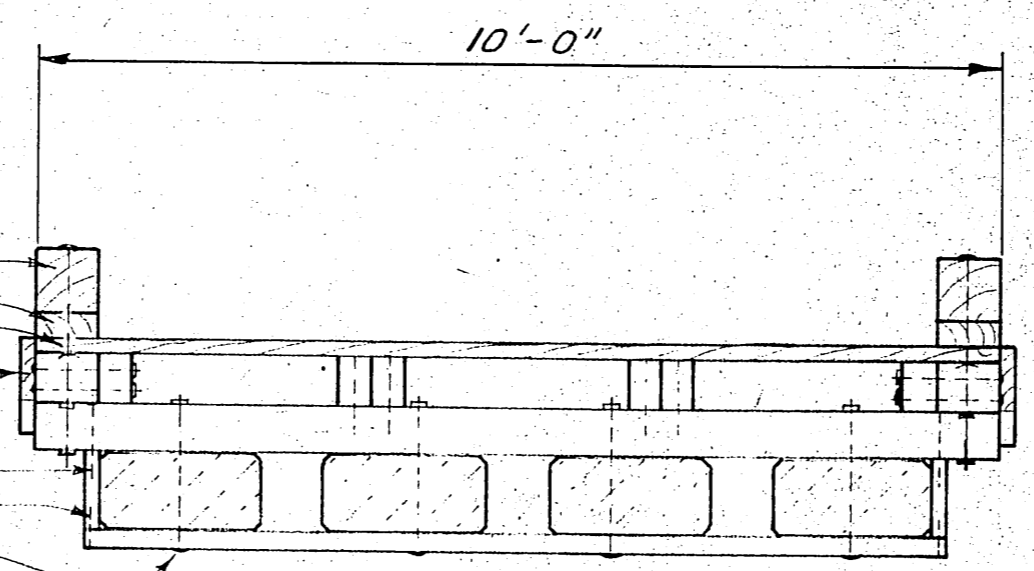
NOTES

- Existing tiedown rails, scupper blocks, decking and bumpers to be removed and replaced with new penta. treated material.
- New creol. treated midsills shall be installed at each existing pontoon.
- All existing flotation billets that are found to be broken or damaged shall be replaced.
- Flotation replacement requires the removal and reinstallation of the existing bolts, siding, and lower sills.
- Furnish 10 ironbark rub strips to be installed at locations to be designated by the Engineer.
- Field c'bore all existing bolt heads facing decking.

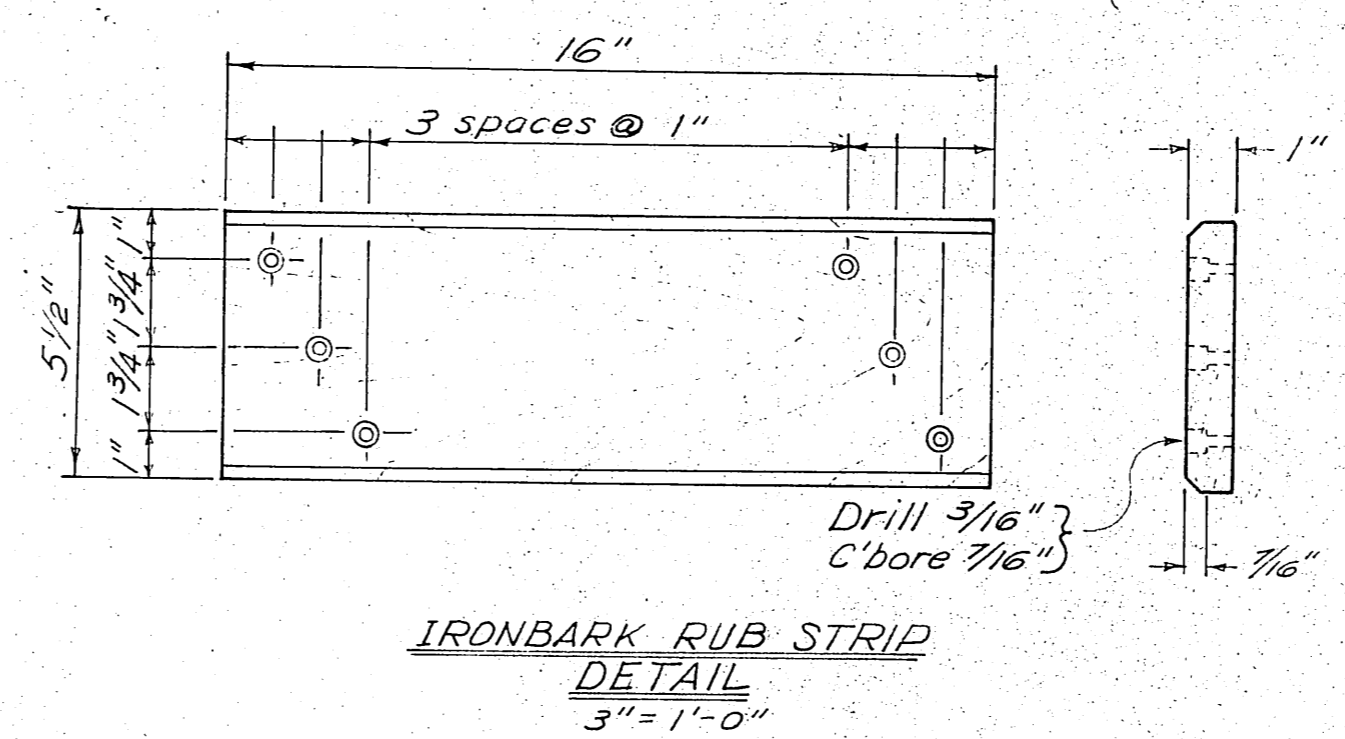
NOTES:

Pile collar repairs done to both collars 10'x62.5' float # south collar of 10'x100' float (also both 26' interior stringers this end of float replaced)
Blocking installed w/bolts # dolphins relashed on both dolphins 10'x100' float # west dolphin of 10'x62.5' float

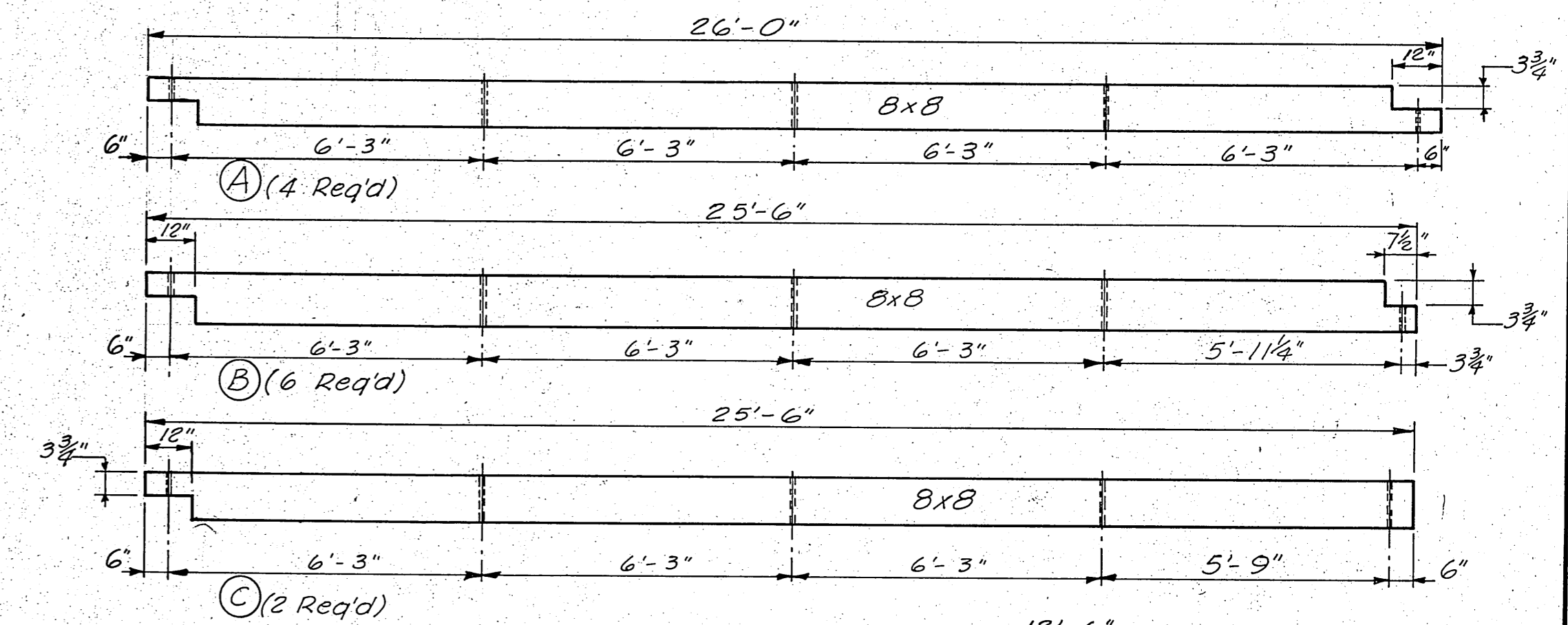
NOTE: All flotation replaced in 10'x100' float
Six pieces foam replaced in 10'x62.5' float - 1 in end pontoon under gangway # 5 in 3rd pontoon from end under gangway - this pontoon supports most of gangway weight.



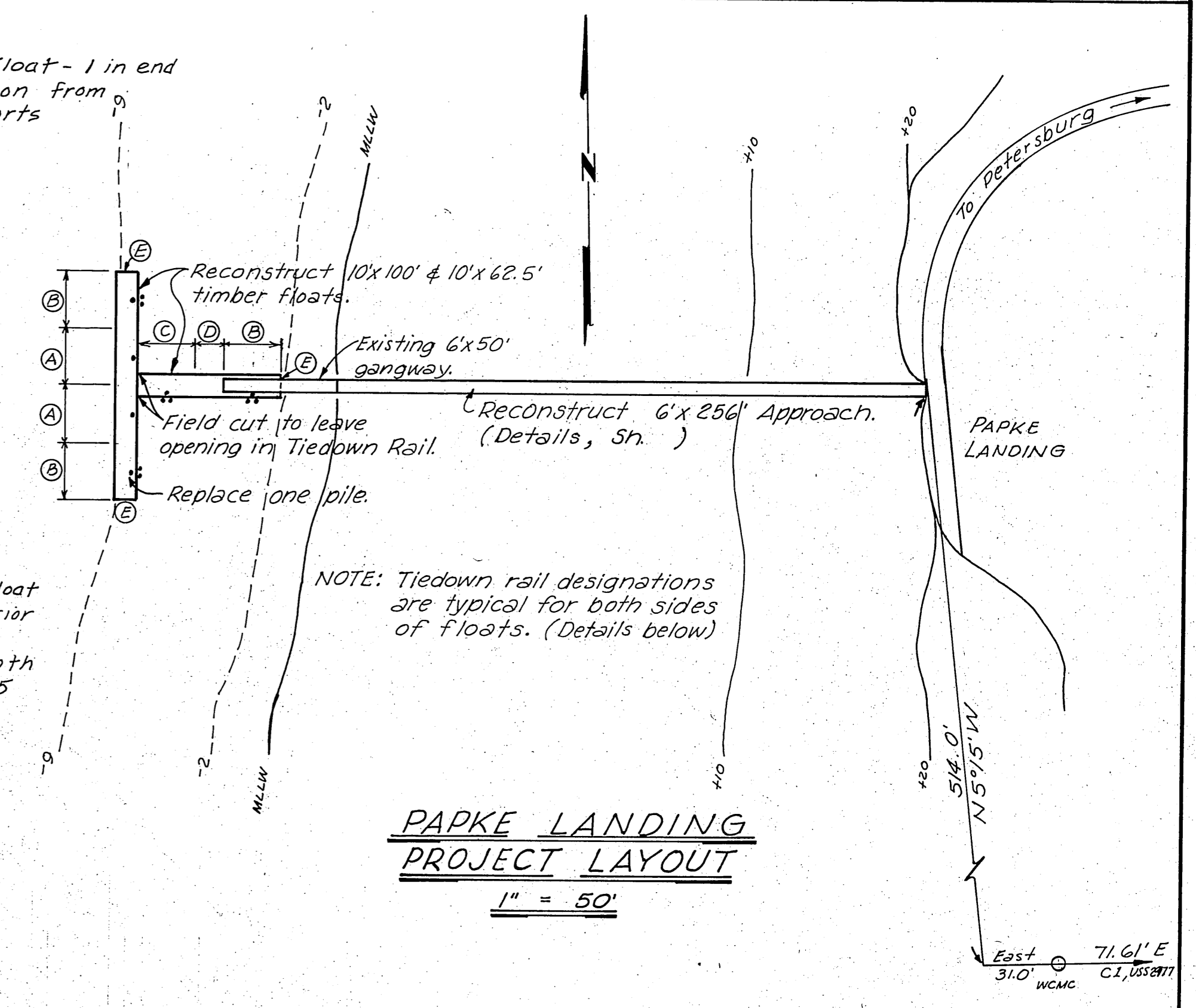
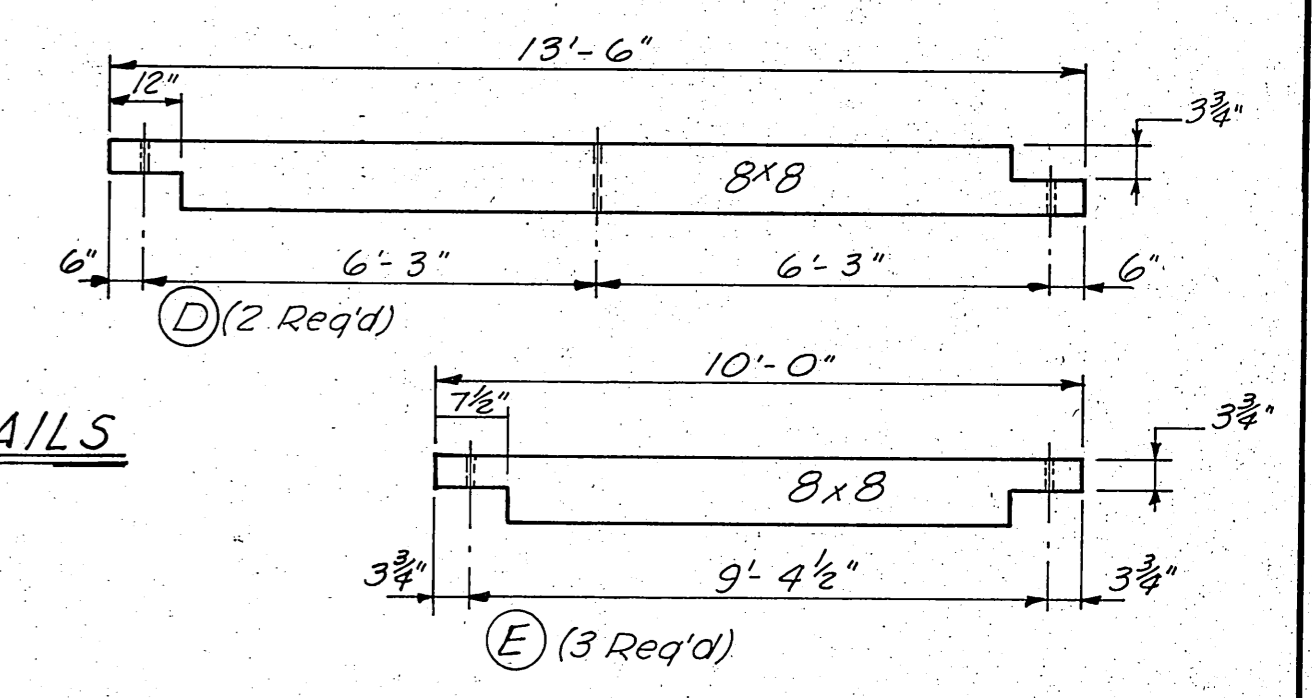
SECTION
1/2" = 1'-0"



IRONBARK RUB STRIP DETAIL
3" = 1'-0"



TIEDOWN RAIL DETAILS
3/8" = 1'-0"



PAPKE LANDING PROJECT LAYOUT
1" = 50'

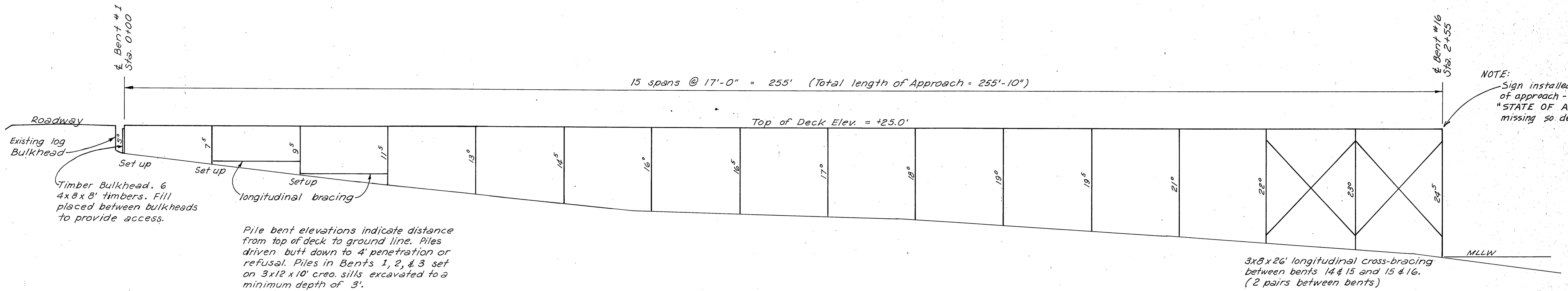
DO NOT SCALE THIS DRAWING - USE DIMENSIONS

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DIVISION OF WATER AND HARBORS

**PAPKE LANDING PROJECT LAYOUT
FLOAT RECONSTRUCTION DETAILS**

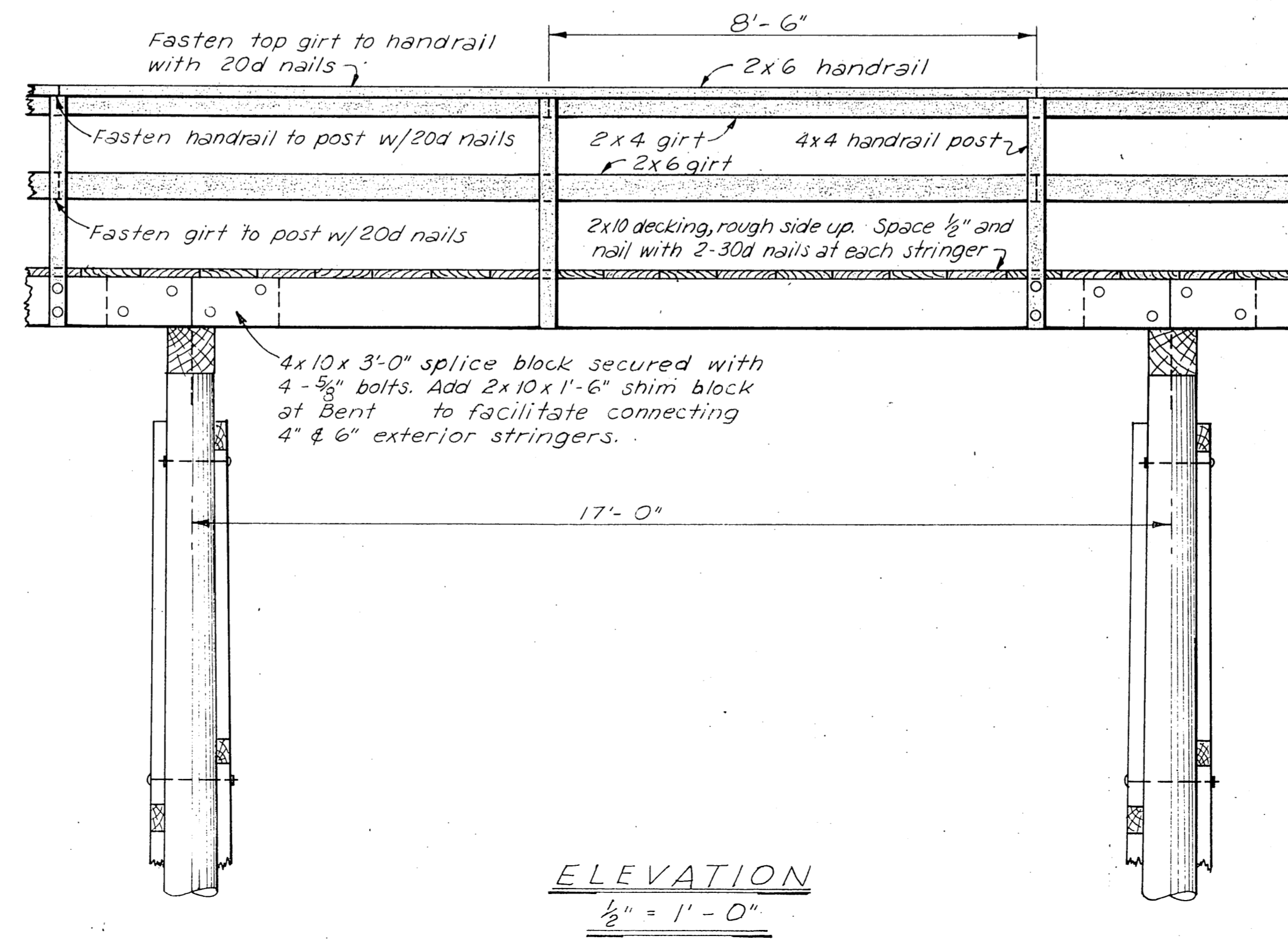
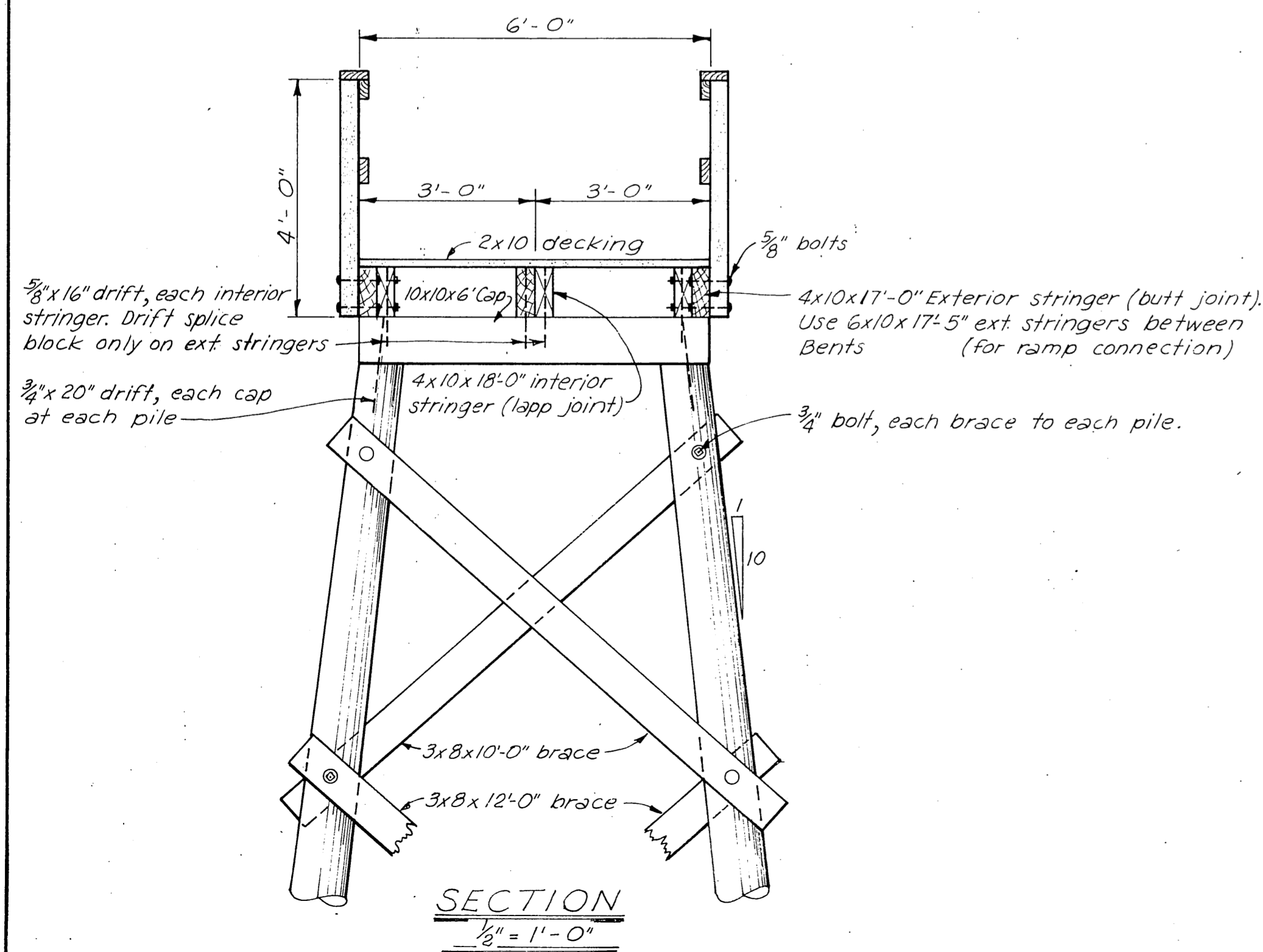
SCALE As shown SURVEYED ~ APPROVED
DESIGNED ~ DRAWN JT
CHECKED ~ DATE ~
PROJECT NUMBER ~ SHEET 9 OF 10

Don Statter
DIRECTOR



PROFILE
1" = 10'

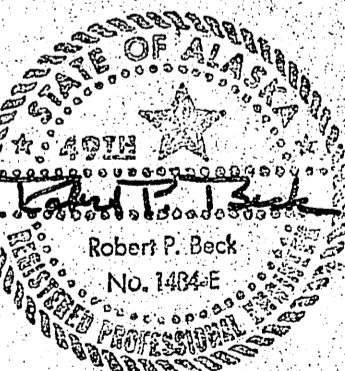
NOTE: All members to be replaced shown shaded.



NOTES:

1. All hardware to be hot dip galvanized. A malleable iron washer shall be placed between all nut and wood surfaces.
2. All bolts to be of the economy head type. Bolt holes to be 1/16" oversize.
3. Drift holes to be 1/16" undersize.
4. All pressure treated materials to be cut to size prior to treatment.
5. Drift holes in stringers & splice blocks, and bolt holes in exterior stringers for splice block, shall be drilled prior to treatment. All other holes may be field drilled.
6. All field cuts or field drilled holes shall be treated with hot creosote oil or Pentachlorophenol.

MATERIALS		
ITEM	DRESSING	TREATMENT
Piles		12-lb. Creo.
Bracing	Rough	" "
Caps	S4S	8-lb. Creo.
Stringers	S2E	" "
Splice Block	"	" "
Decking	S1S	W.R. Penta (or equal)
Handrail	S4S	" "
Handrail Post	"	" "
Girts	"	" "



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**PAPKE LANDING
APPROACH PROFILE AND
CONSTRUCTION DETAILS**

SCALE As shown	SURVEYED	APPROVED
DESIGNED	DRAWN JT	Don Statter
CHECKED	DATE	DIRECTOR
PROJECT NUMBER 4-76174	SHEET 10 OF 10	