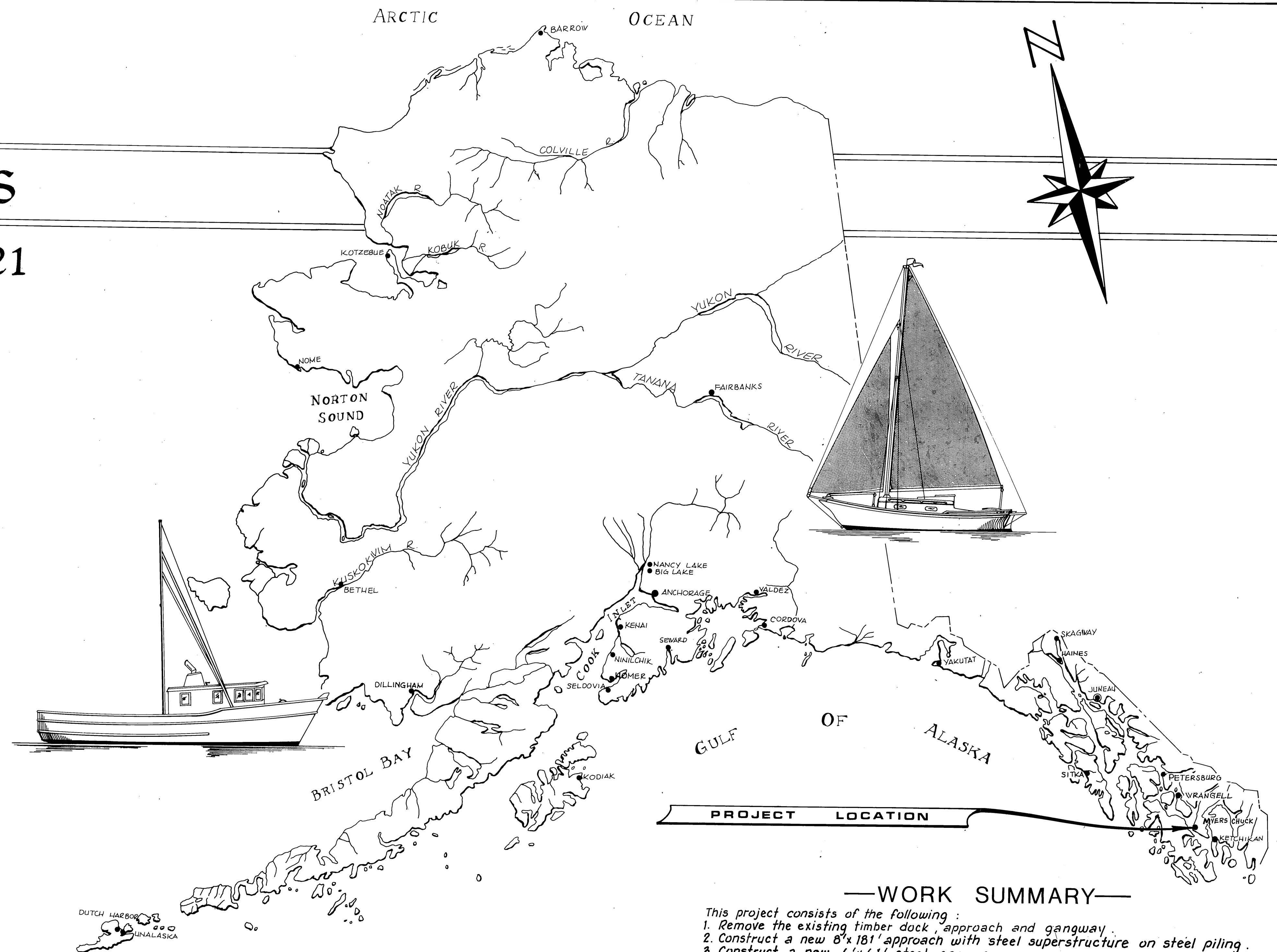
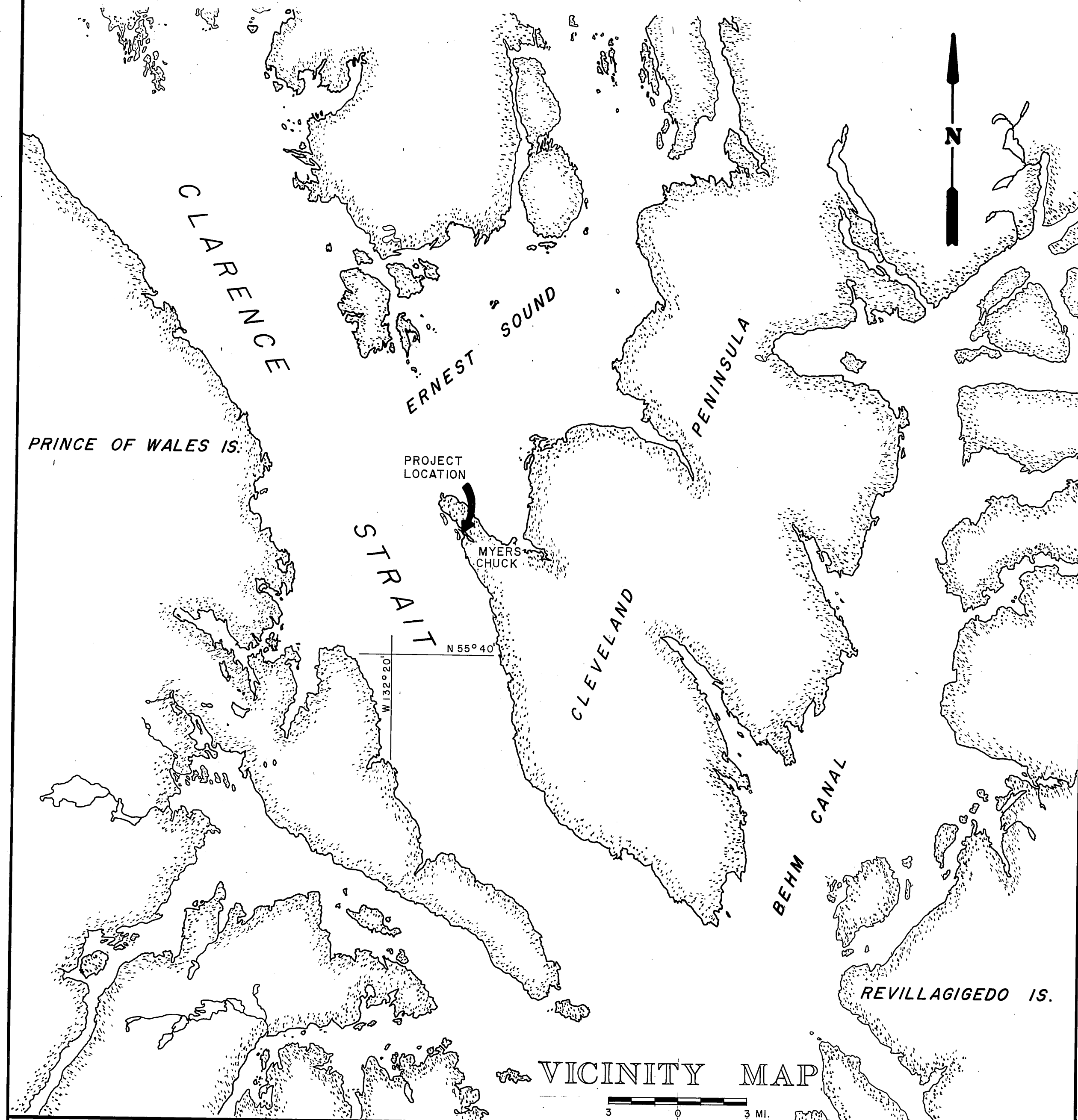


MYERS CHUCK HARBOR FACILITIES PROJECT NO. K-31521



—WORK SUMMARY—

- This project consists of the following:
1. Remove the existing timber dock, approach and gangway.
 2. Construct a new 8'x18' approach with steel superstructure on steel piling.
 3. Construct a new 6'x61' steel gangway.
 4. Remove 24 deteriorated timber float piles.
 5. Furnish and place 16 steel float piles and 14 steel approach piles.
 6. Perform misc. repairs to existing mooring floats.
 7. Redeck and perform misc. repairs to the existing seaplane float.

INDEX TO SHEETS

NO.	TITLE	DATE
1.	TITLE SHEET	
2.	PROJECT LAYOUT	
3.	APPROACH DETAILS	
4.	GANGWAY - SHT. A	
5.	GANGWAY - SHT. B	
6.	MISC. DETAILS	
7.	SEAPLANE FLOAT & GANGWAY FLOAT DETAILS	

AS BUILT

START : MAY 31, 1985
STOP : JULY 9, 1985
CONTRACTOR : DAWSON CONSTRUCTION CO.
PROJECT ENGINEER : MARK HALVORSEN
DATE : JULY 19, 1985

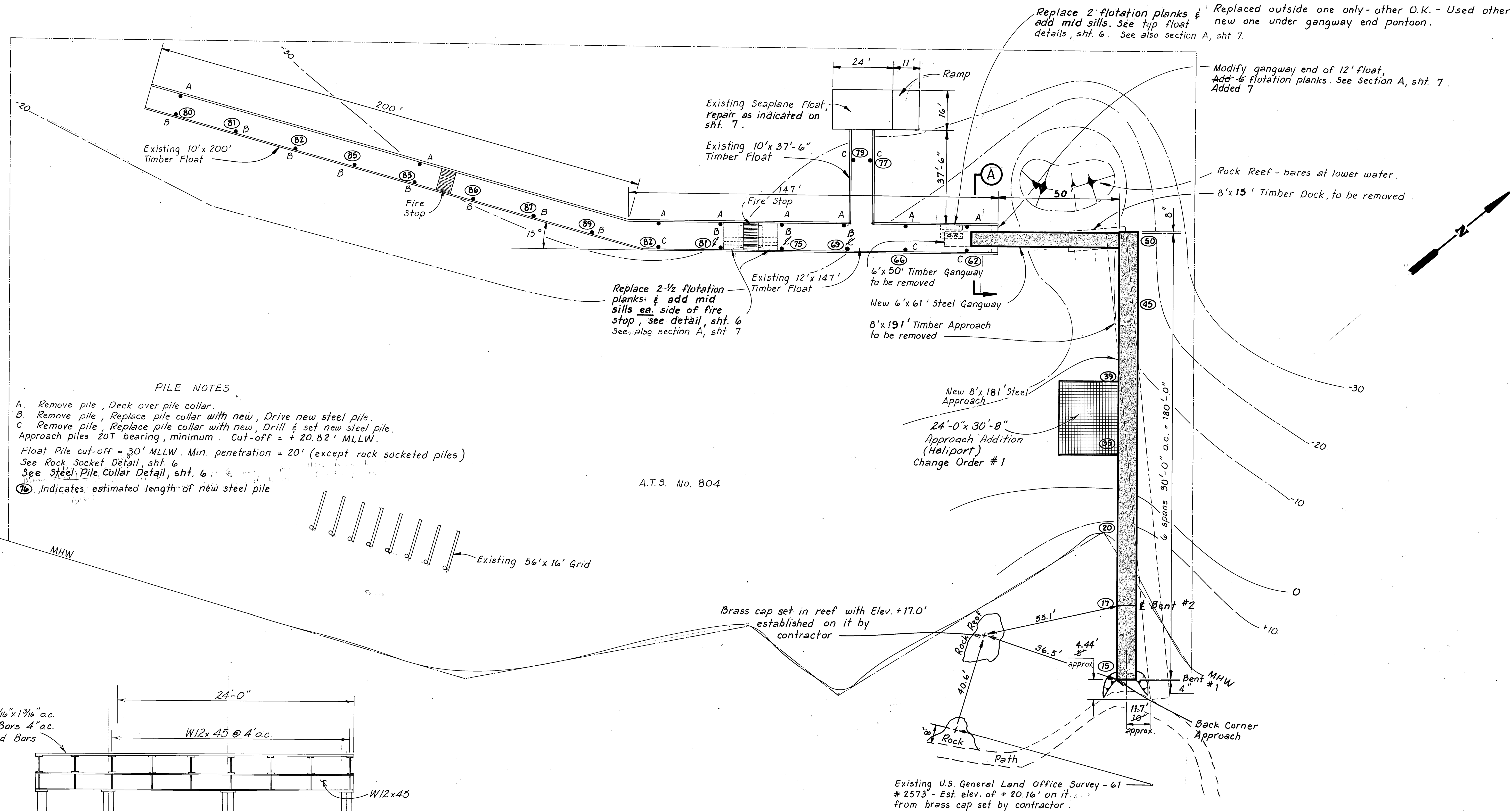
APPROVED

Mark Halvorsen 11/5/84
DIRECTOR S.E. D. & C. DATE
RECOMMEND FOR APPROVAL *John O. Bradley* 11/5/84
GROUP DESIGN CHIEF DATE
SHEET 1 OF 7

STATE
OF
ALASKA

DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES

S.E. REGION
DESIGN & CONSTRUCTION



PILE NOTES

A. Remove pile, Deck over pile collar.

B. Remove pile, Replace pile collar with new, Drive new steel pile.

C. Remove pile, Replace pile collar with new, Drill & set new steel pile.

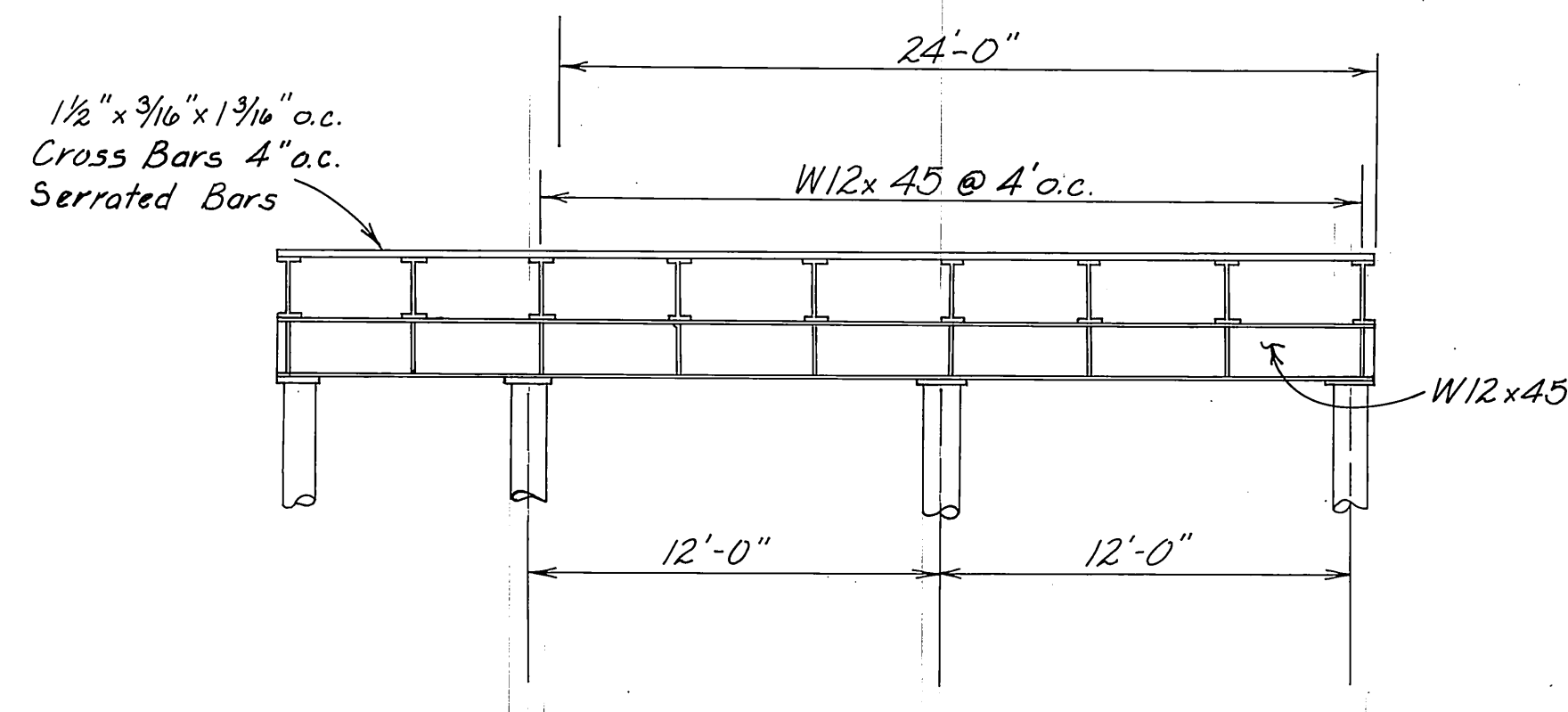
Approach piles 20T bearing, minimum. Cut-off = +20.82' MLLW.

Float Pile cut-off = 30' MLLW. Min. penetration = 20' (except rock socketed piles)

See Rock Socket Detail, sht. 6

See Steel Pile Collar Detail, sht. 6

(16) Indicates estimated length of new steel pile



WIDENED HELIPORT Change Order #1
CAPS DETAIL
1" = 5'

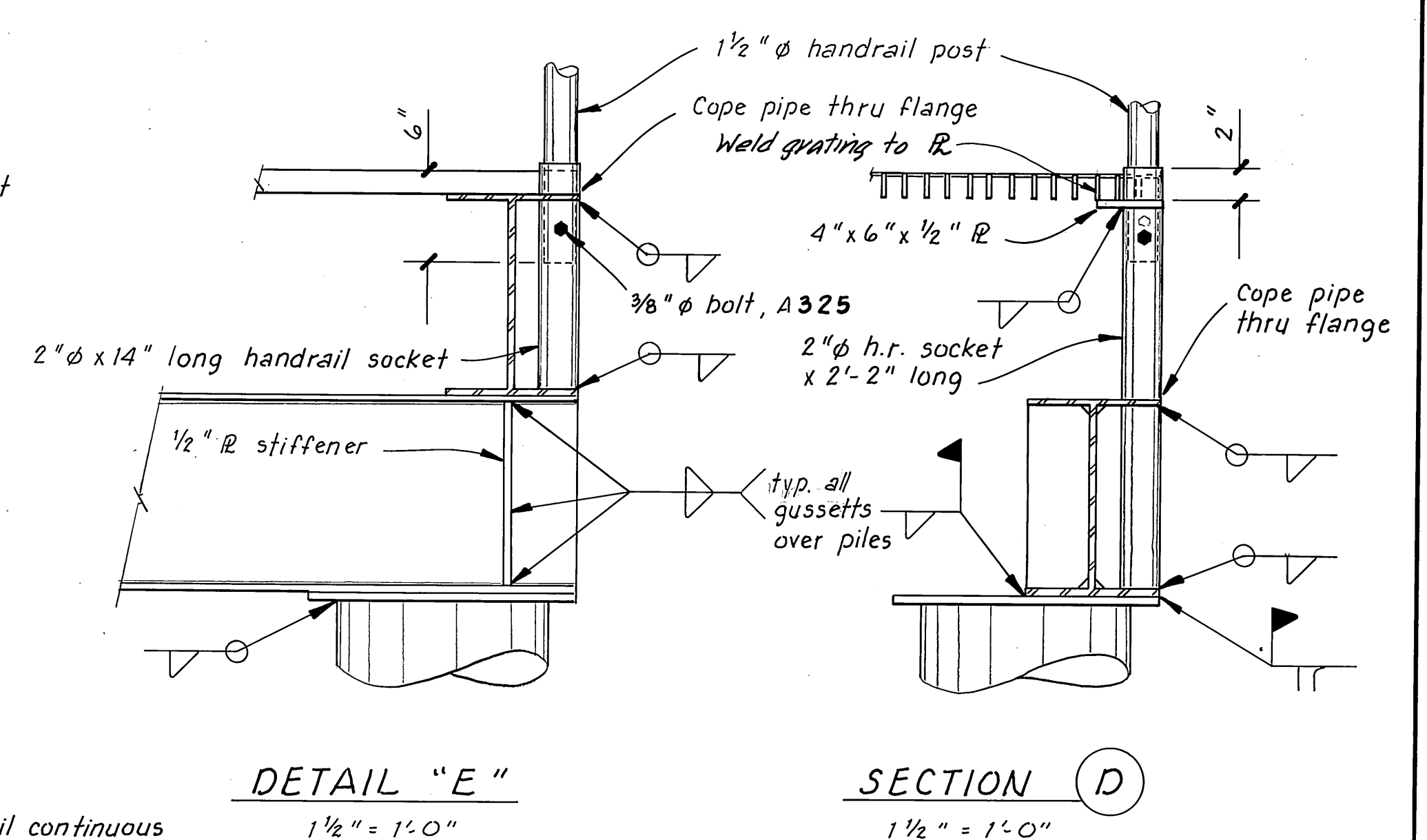
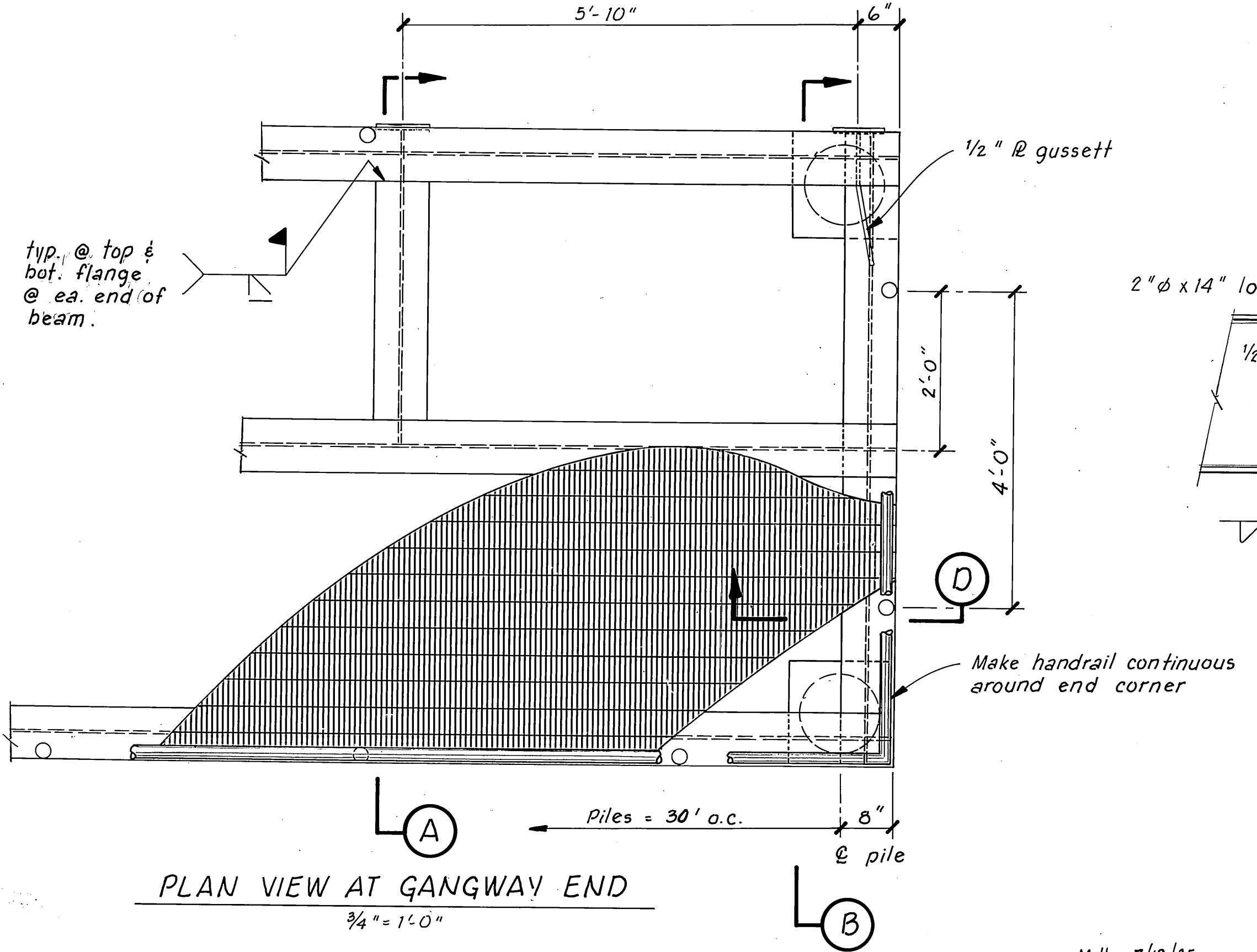
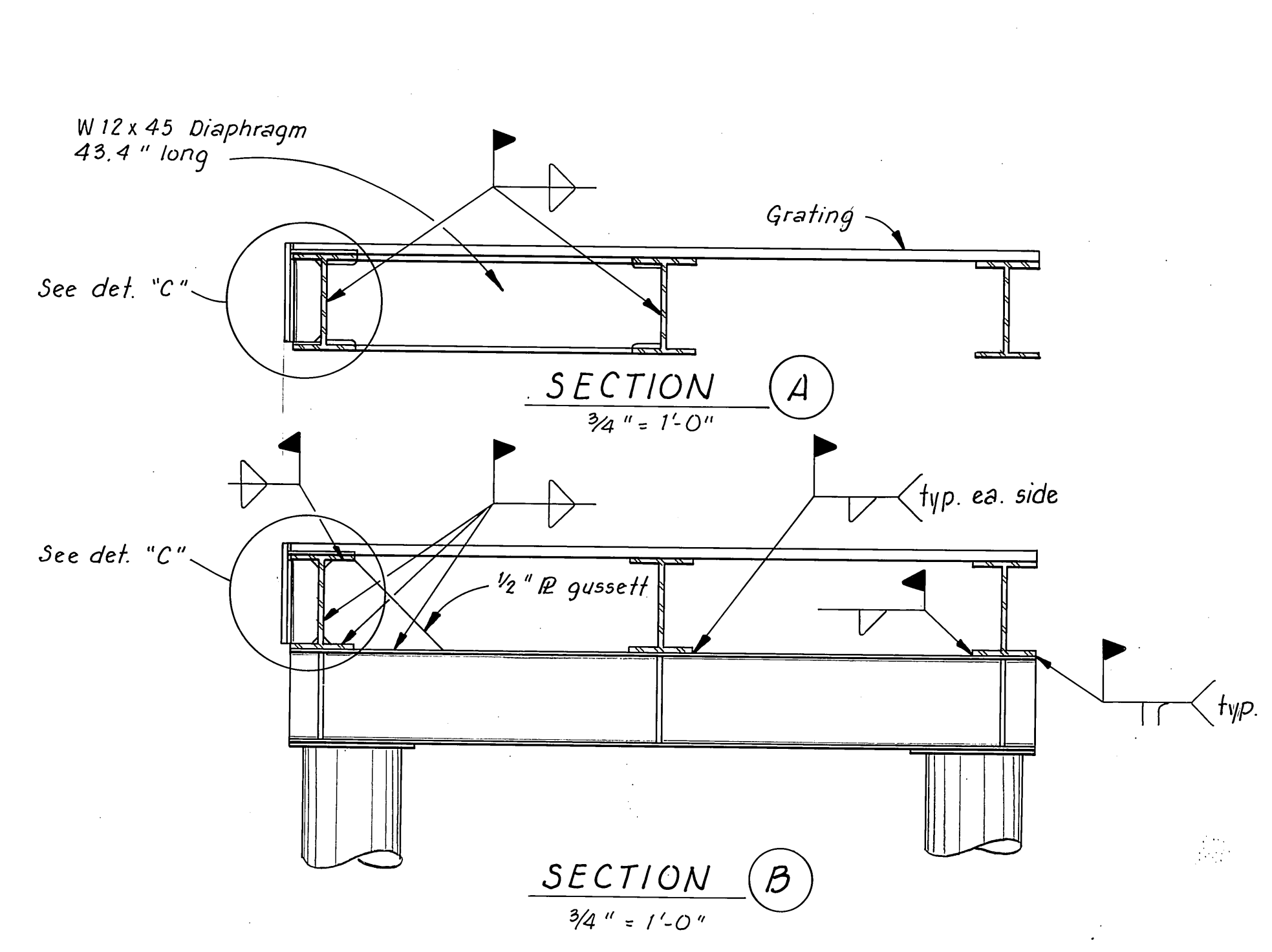
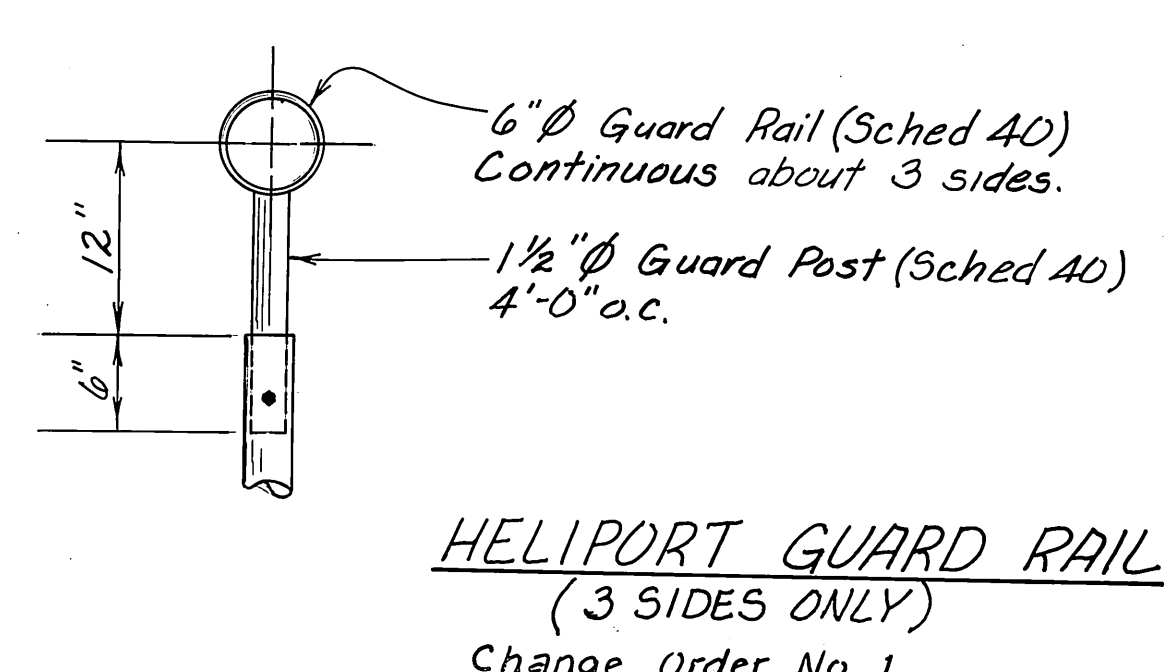
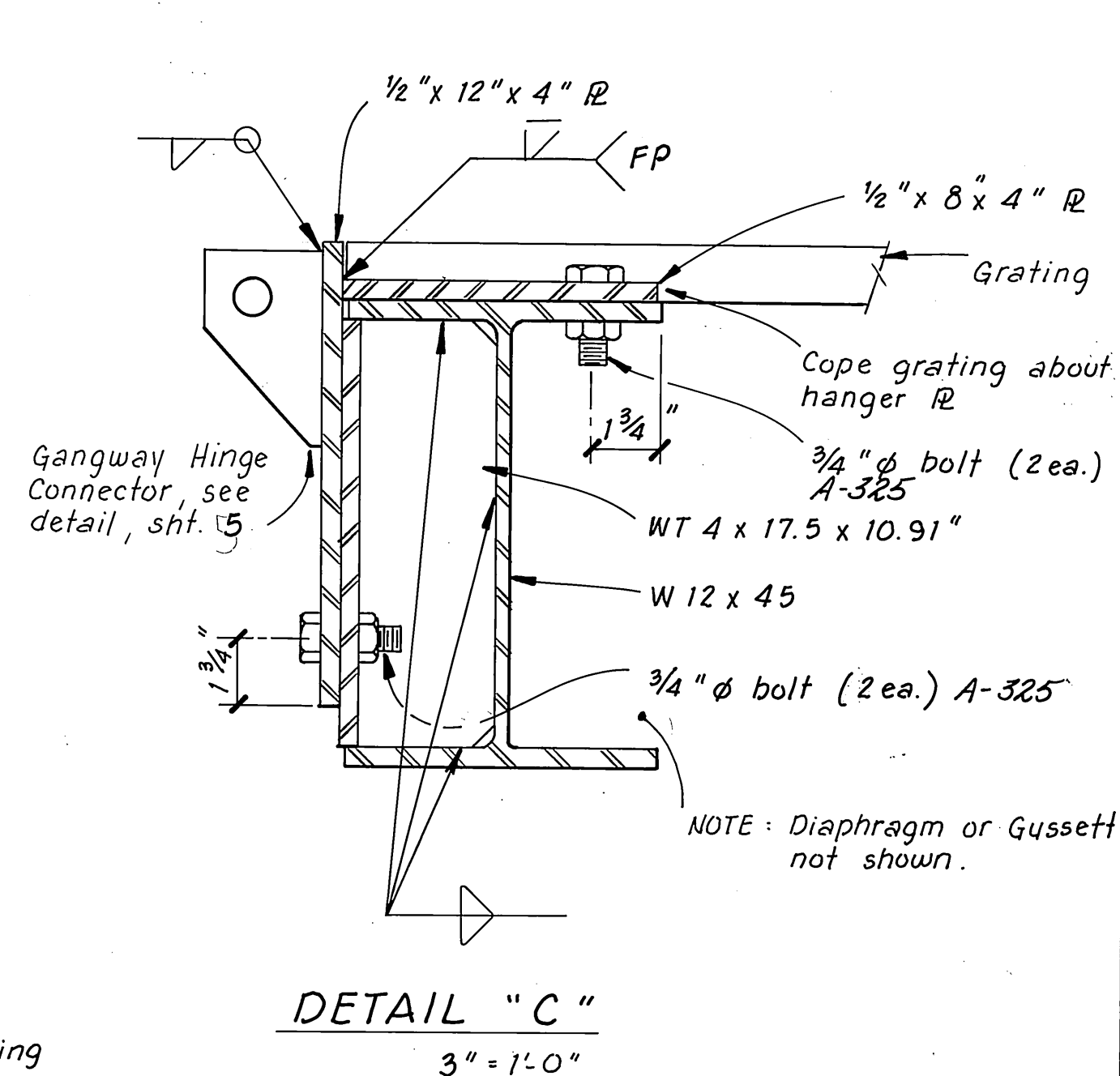
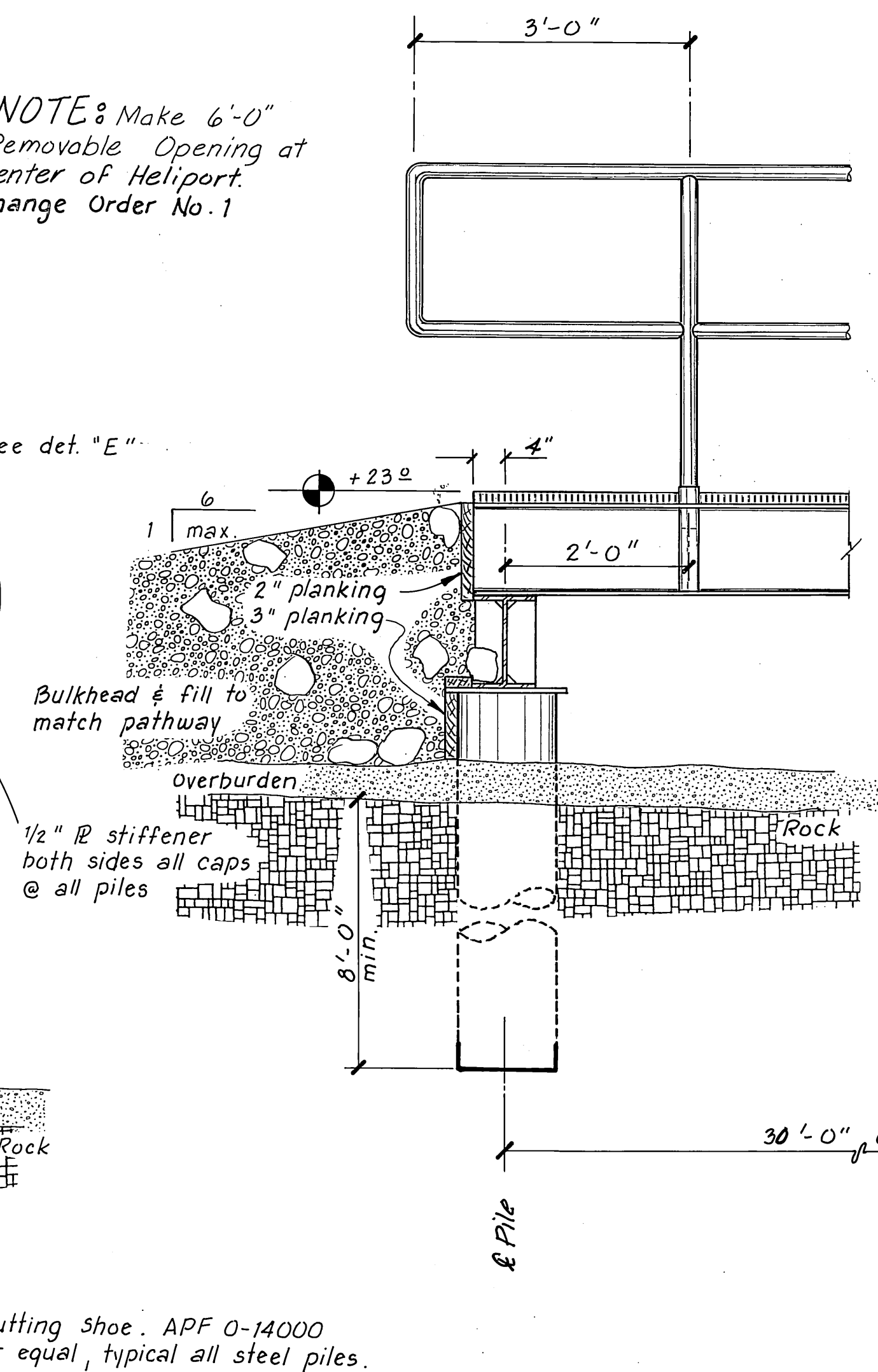
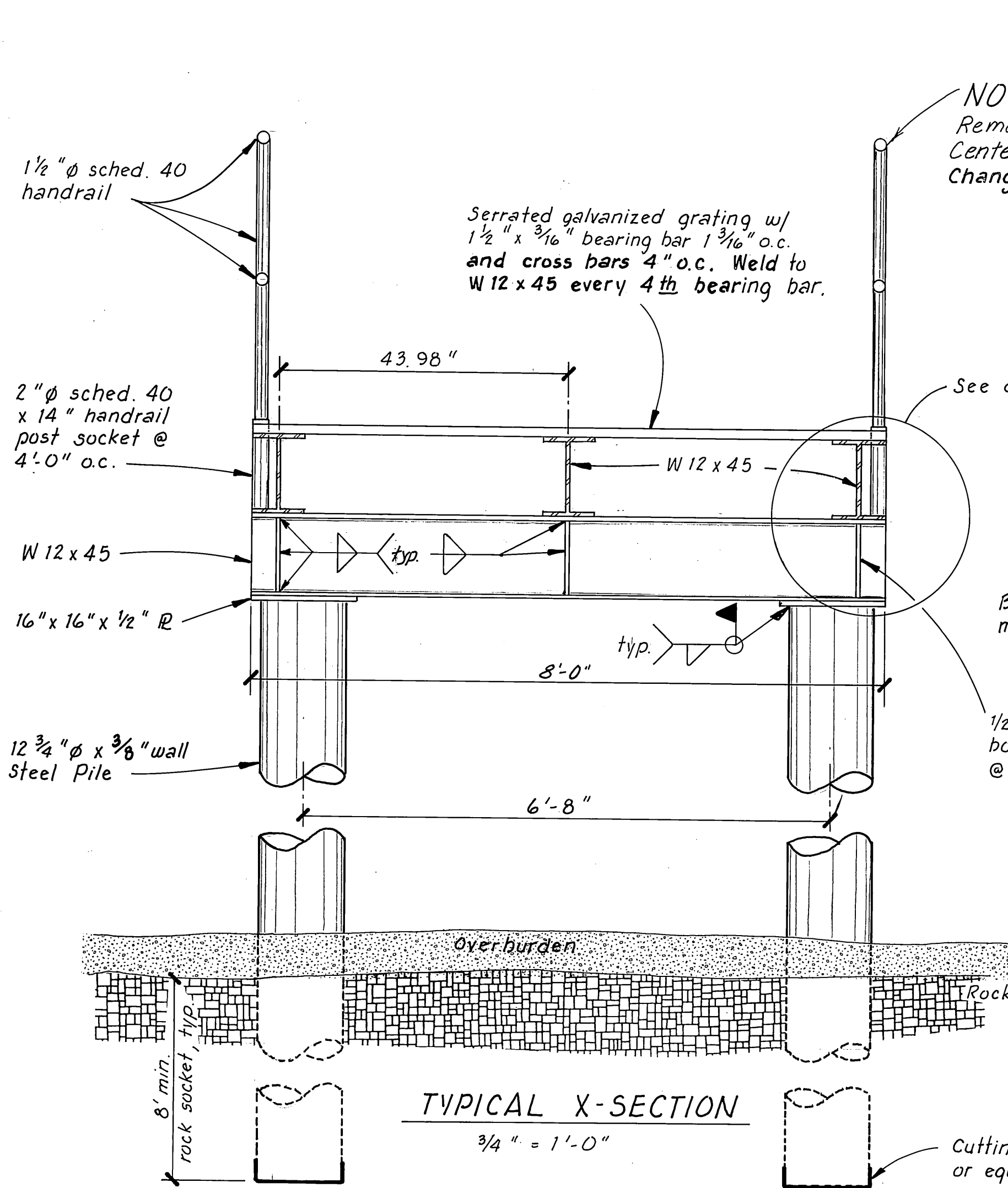
LAYOUT
1" = 20'-0"

Basis of Elevation - See Specifications - Contractor to provide.

Basis of Horiz. Control - Existing 12' timber float - Construct to fit.

M.H. 7/9/85

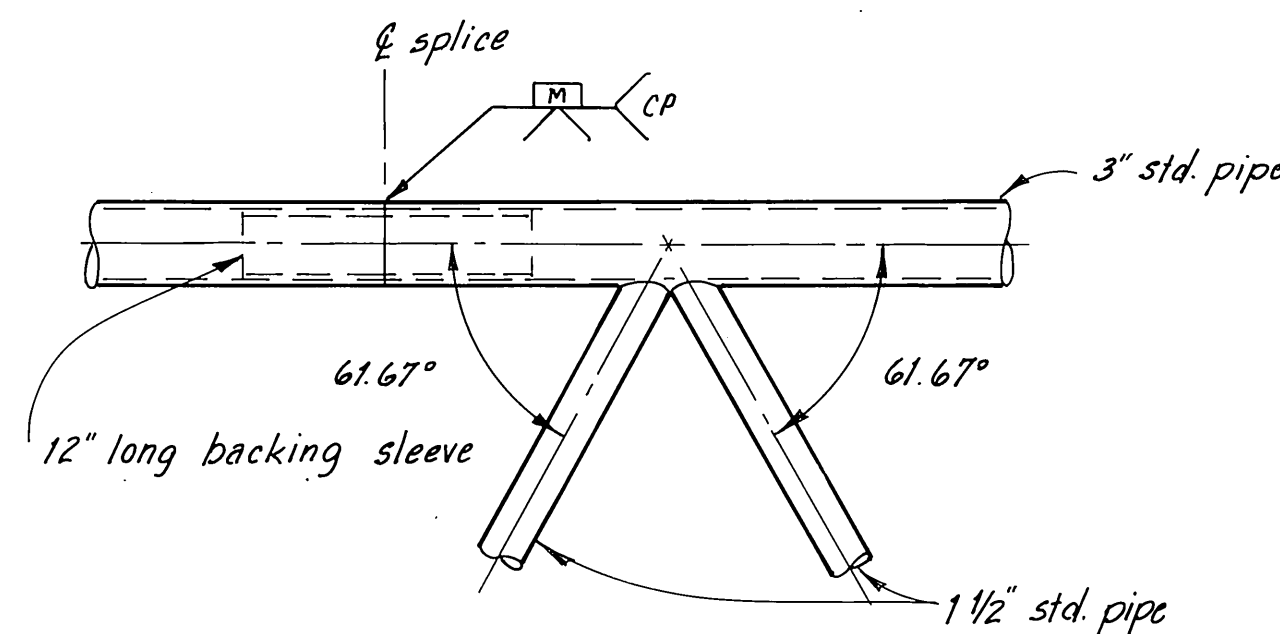
STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA	
		DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES	
		Myers Chuck	Alaska
PROJECT LAYOUT			
DESIGNED <u>RPB</u>	CHECKED <u>JDB</u>	DRAWN <u>TS</u>	DATE <u>7/84</u>
PROJECT NUMBER <u>K-31521</u>	SHEET <u>2</u> OF <u>7</u>		



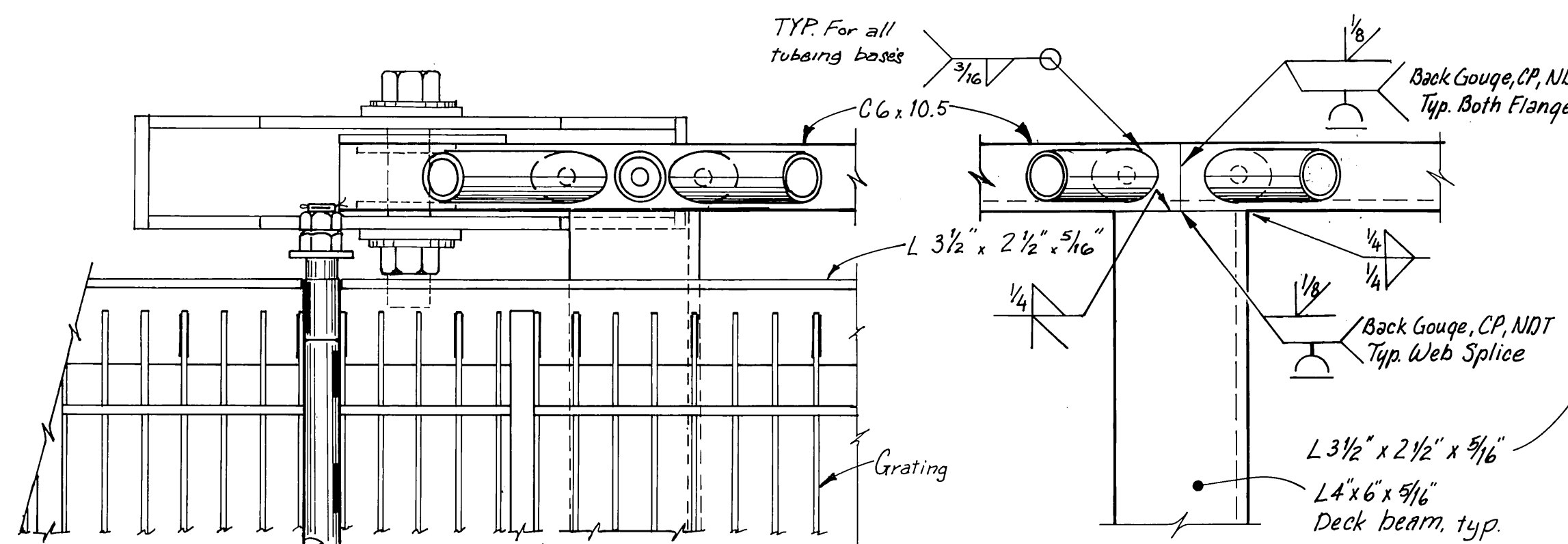
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		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES Myers Chuck Alaska	
APPROACH DETAILS			
DESIGNED RPB	CHECKED JDB	DRAWN TS/CH	DATE 7/84
PROJECT NUMBER K-31521	SHEET 3	OF 7	

M.H. 7/19/85

HANDRAIL DETAILS
1 1/2" = 1'-0"

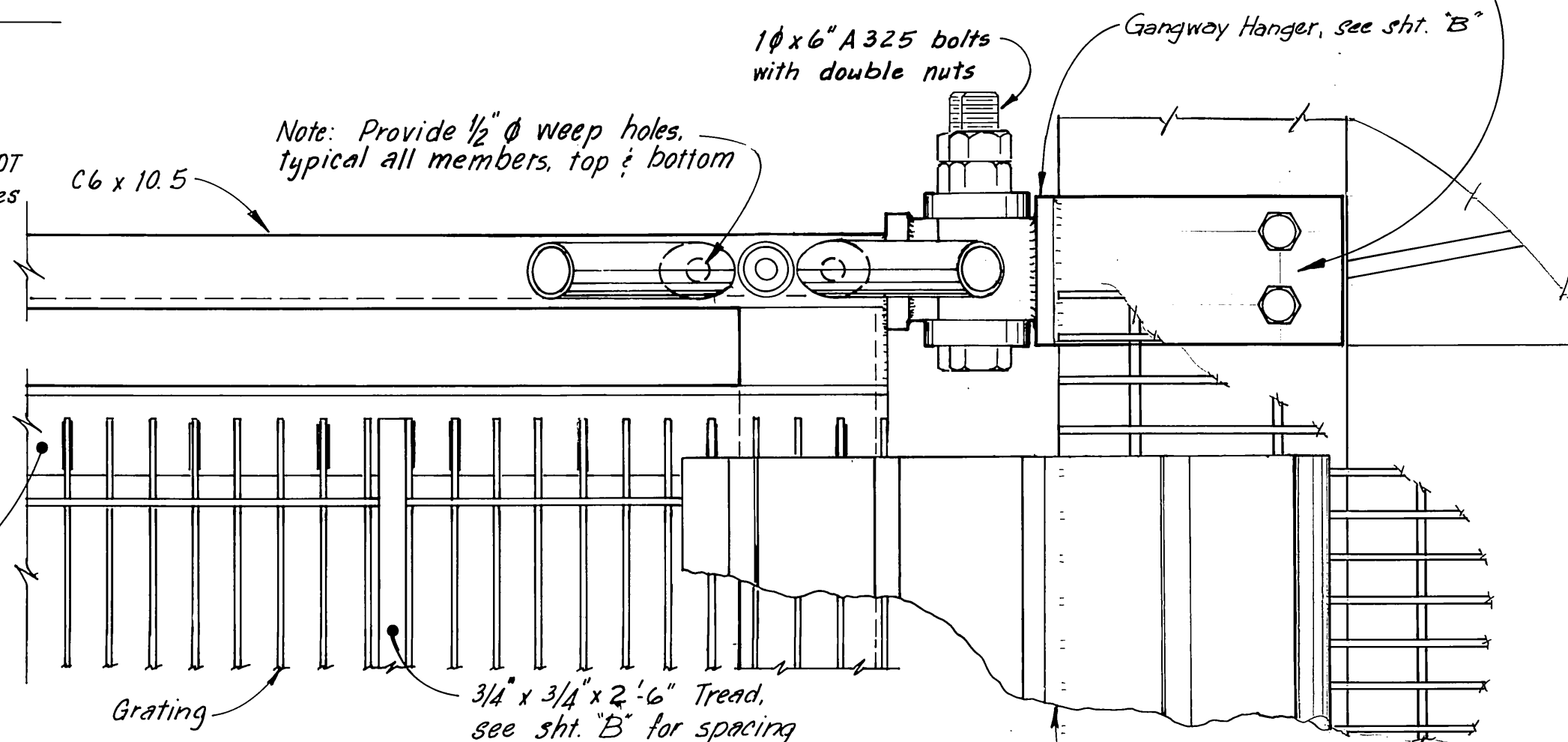


DIAGONALS & SPLICE

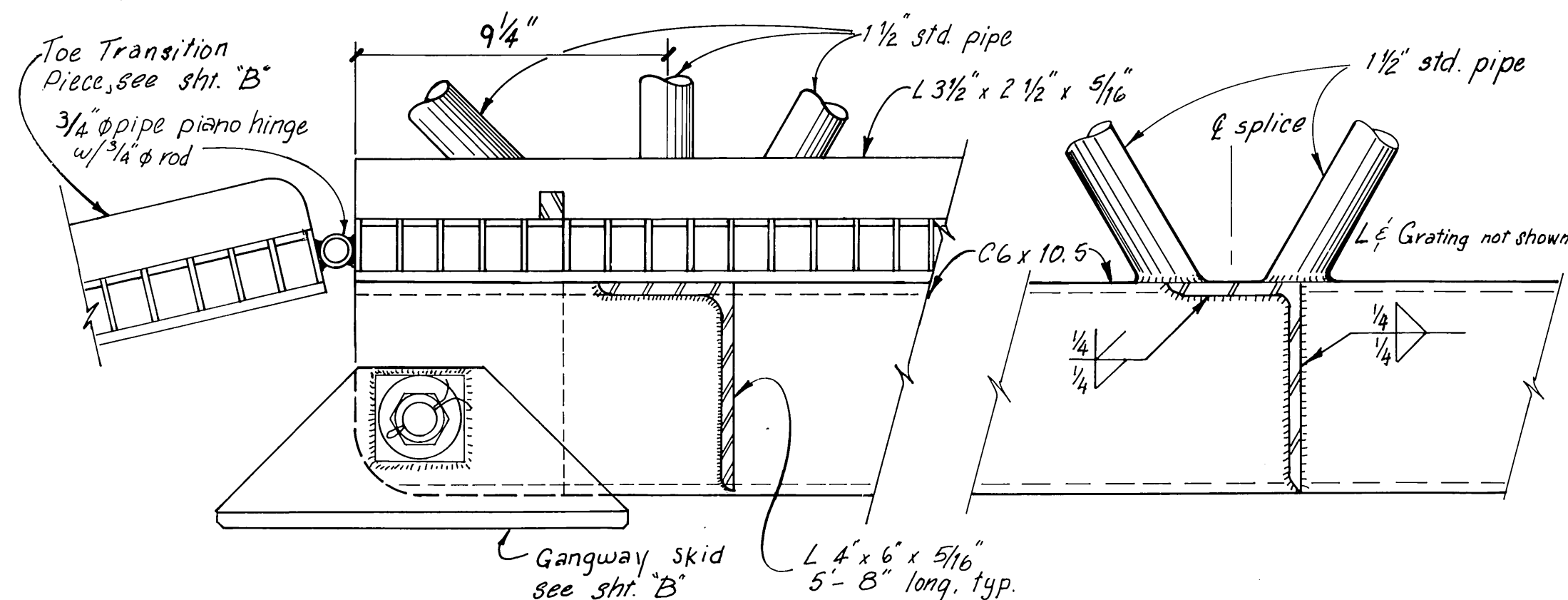


PLAN
 $3^\circ = 1' - 0''$

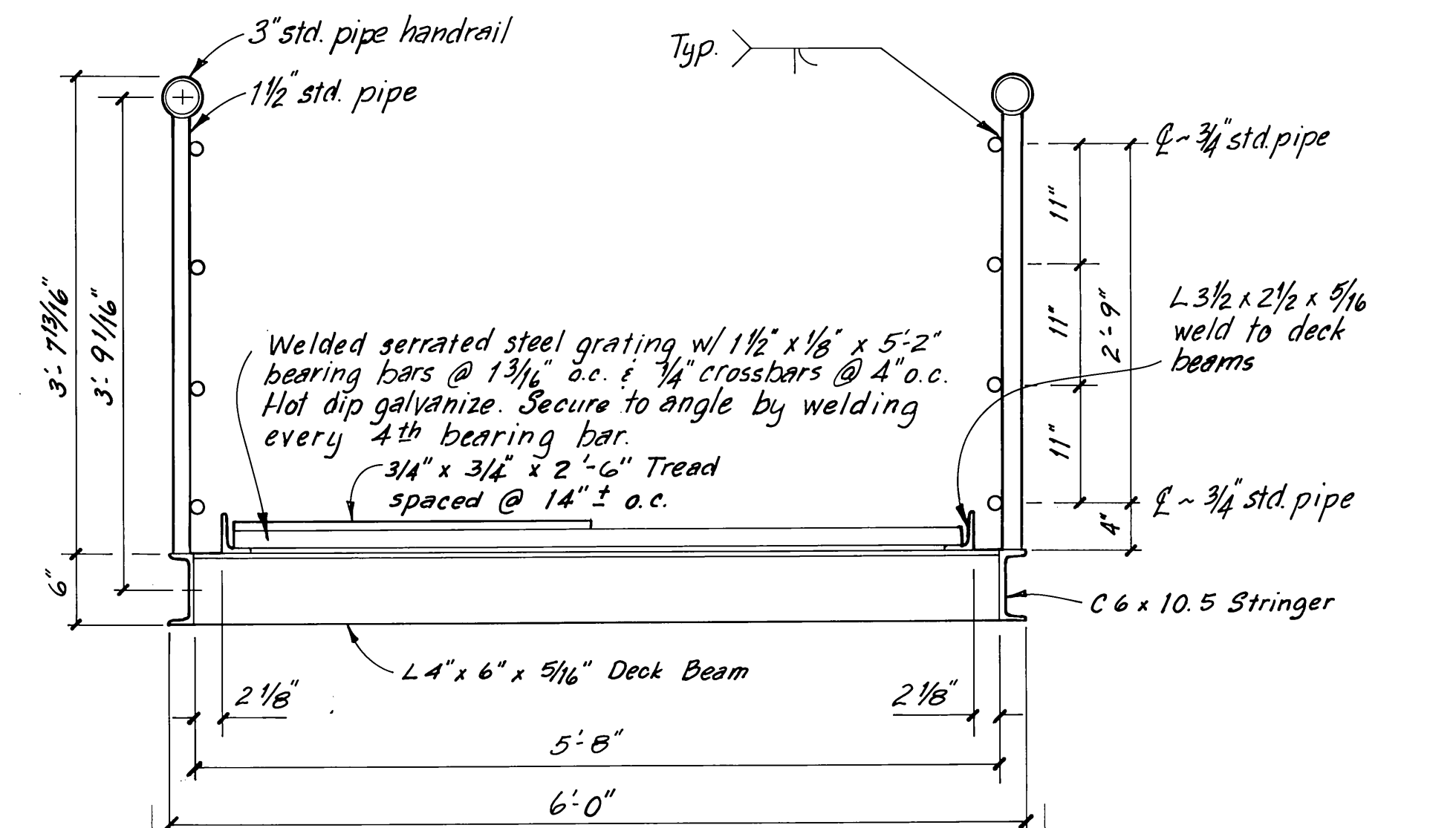
STRINGER SPLICE
3" = 1'-0"



GANGWAY HEAD DETAILS
3" = 1'-0"

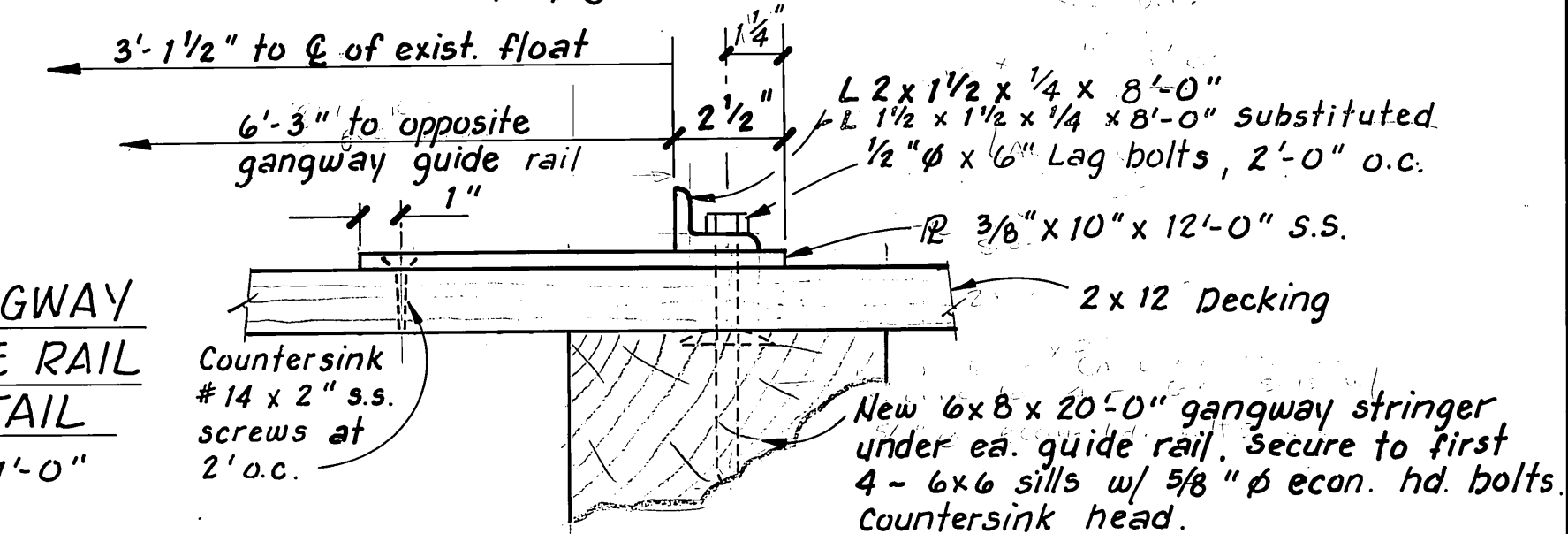


SECTIONAL ELEVATIONS
3" = 1'-0"



SECTION A

GANGWAY GUIDE RAIL SPACING
GANGWAY ST 1" = 1'-0"



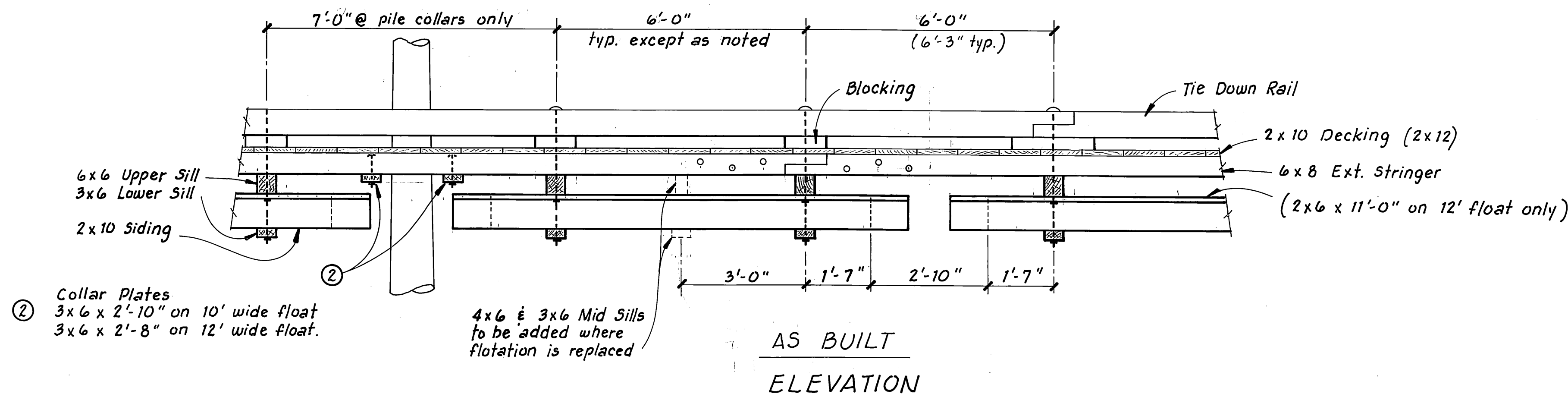
GANGWAY
GUIDE RAIL
DETAIL
3" = 1'-0"

- NOTES
1. Design live load 85 psf.
 2. All seamless pipe shall conform to ASTM A-53, Grade B or ASTM A-500 and shall be galvanized.
 3. All shapes & plates shall conform to ASTM A-36 and shall be galvanized.
 4. Ship assembled.
 5. No stringer or pipe splices may be located in middle 3rd of gangway.
 6. Hot dip Galv. all steel components after fabrication
 7. Fabricator is to pre-assemble all components to assure proper fit.

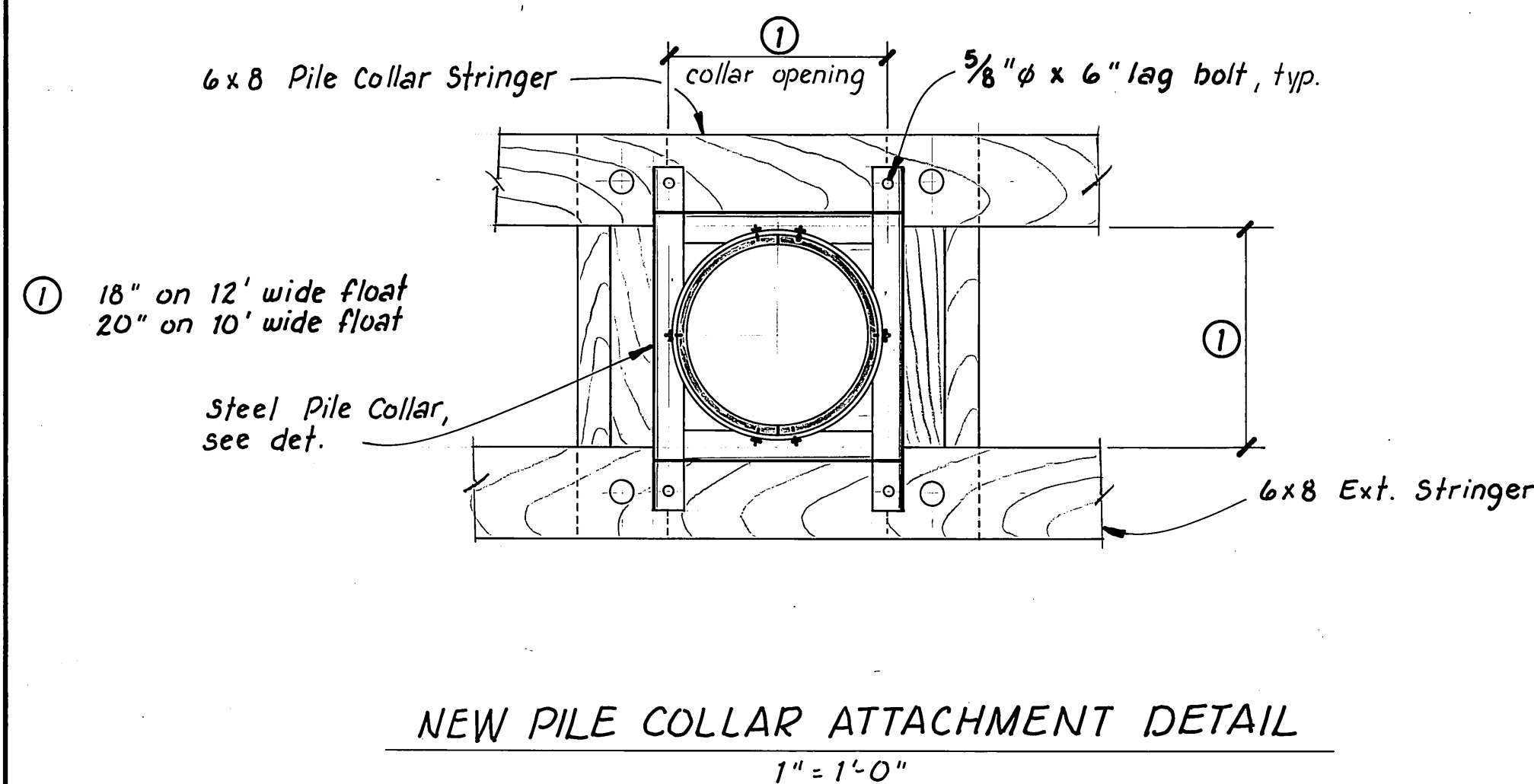
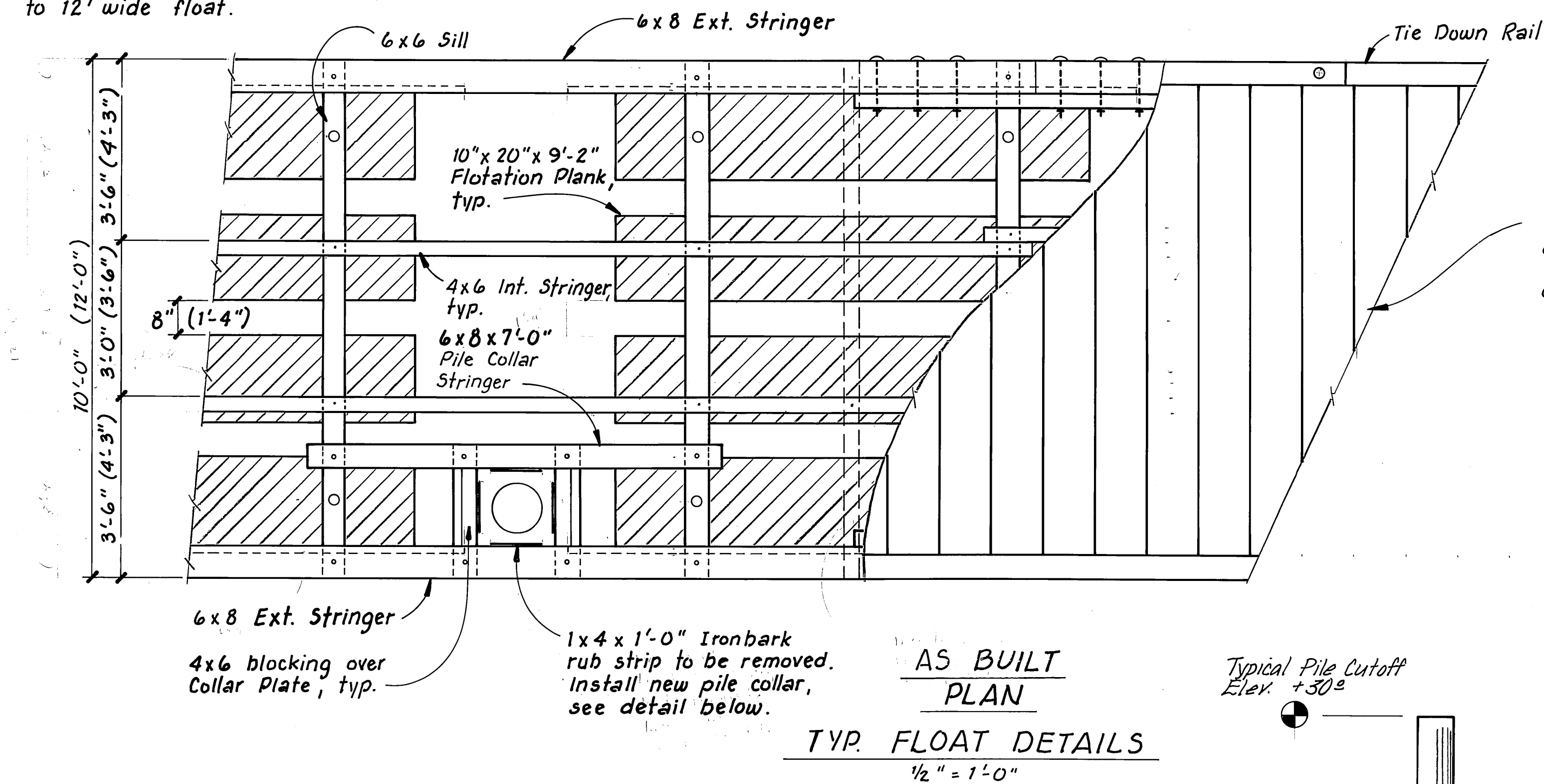
MH 7/19/85

STAMP	DO NOT SCALE THIS DRAWING - USE DIMENSIONS		
	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DESIGN AND CONSTRUCTION		
	Myers Chuck Alaska 6' x 61'-0" STEEL GANGWAY SHEET A		
	SCALE <u>As Noted</u> DESIGNED <u>RAM/LB</u> CHECKED- _____	SURVEYED _____ DRAWN <u>DM</u> DATE <u>6-84</u>	APPROVED _____ _____ _____
	PROJECT NUMBER <u>K-31521</u>		SHEET <u>4</u> OF <u>7</u>

STAMP 	DO NOT SCALE THIS DRAWING — USE DIMENSIONS									
	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DESIGN AND CONSTRUCTION Myers Chuck ALASKA 6'x61'-0" STEEL GANGWAY SHEET B <table border="1" data-bbox="2566 1824 3035 1885"> <tr> <td data-bbox="2566 1824 2700 1846">SCALE <i>As Noted</i></td> <td data-bbox="2700 1824 2837 1846">SURVEYED _____</td> <td data-bbox="2837 1824 3035 1846" rowspan="3">APPROVED _____</td> </tr> <tr> <td data-bbox="2566 1846 2700 1867">DESIGNED <i>RAM/LB</i></td> <td data-bbox="2700 1846 2837 1867">DRAWN <i>DM</i></td> </tr> <tr> <td data-bbox="2566 1867 2700 1885">CHECKED _____</td> <td data-bbox="2700 1867 2837 1885">DATE <i>6-84</i></td> </tr> </table>			SCALE <i>As Noted</i>	SURVEYED _____	APPROVED _____	DESIGNED <i>RAM/LB</i>	DRAWN <i>DM</i>	CHECKED _____	DATE <i>6-84</i>
SCALE <i>As Noted</i>	SURVEYED _____	APPROVED _____								
DESIGNED <i>RAM/LB</i>	DRAWN <i>DM</i>									
CHECKED _____	DATE <i>6-84</i>									
PROJECT NUMBER <i>K-31521</i>	SHEET <i>5</i> OF <i>7</i>									



Dimensions in parenthesis () apply to 12' wide float.



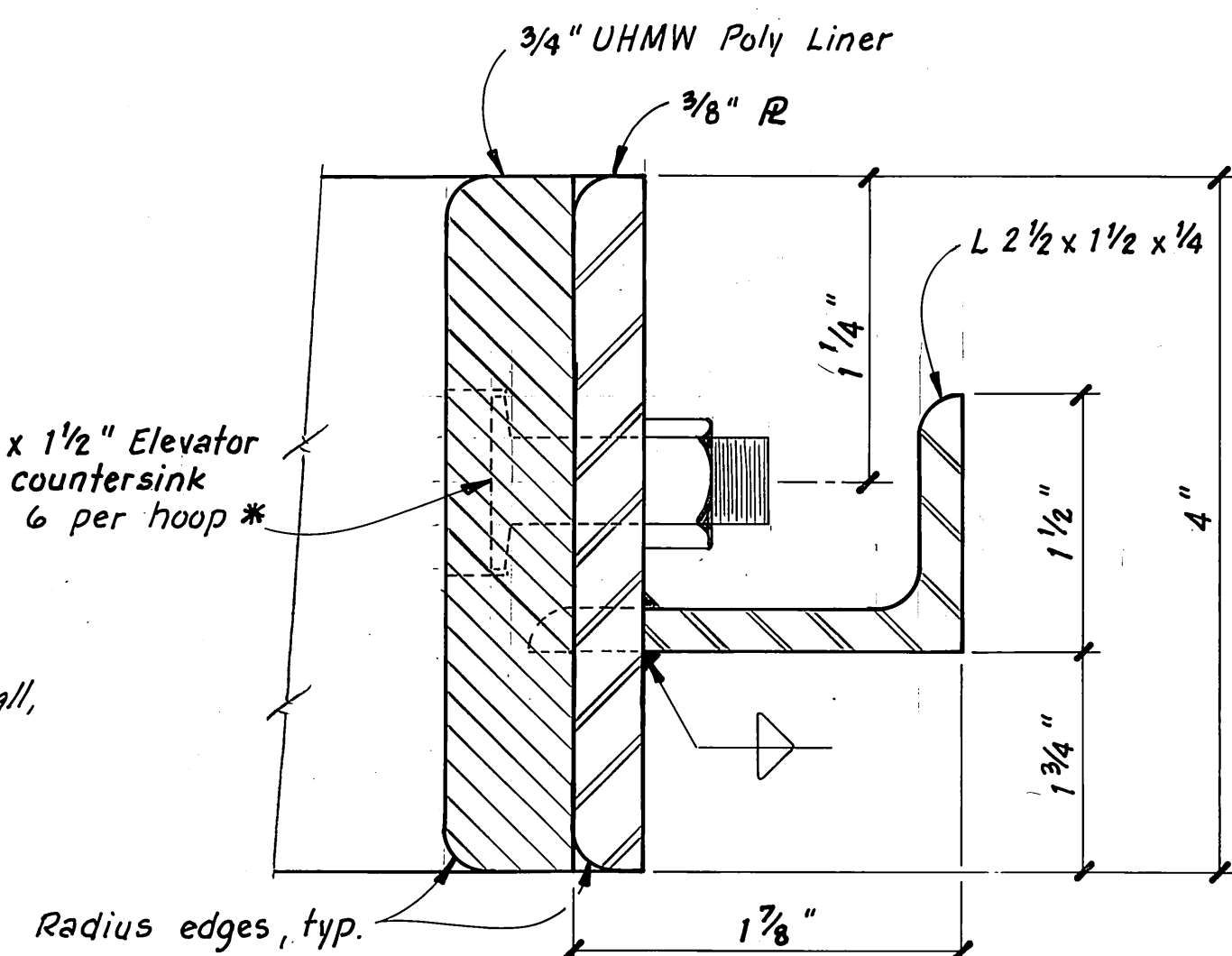
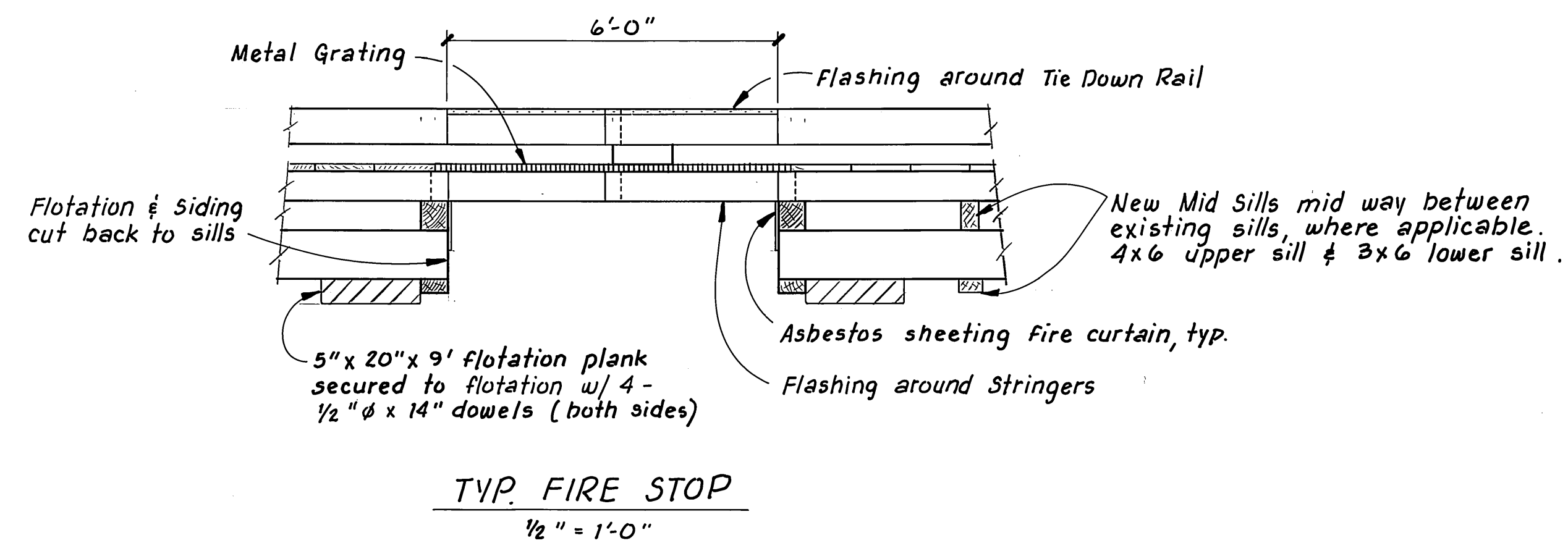
APPROVED PLACEMENT

1. Drill socket 15" ϕ , clean out hole, drive pile to bottom of socket, or
2. Drill socket through pile, using pile as casing, or
3. If cutting shoe will obtain penetration, it may be used without socketing.

and no payment for socketing will be made

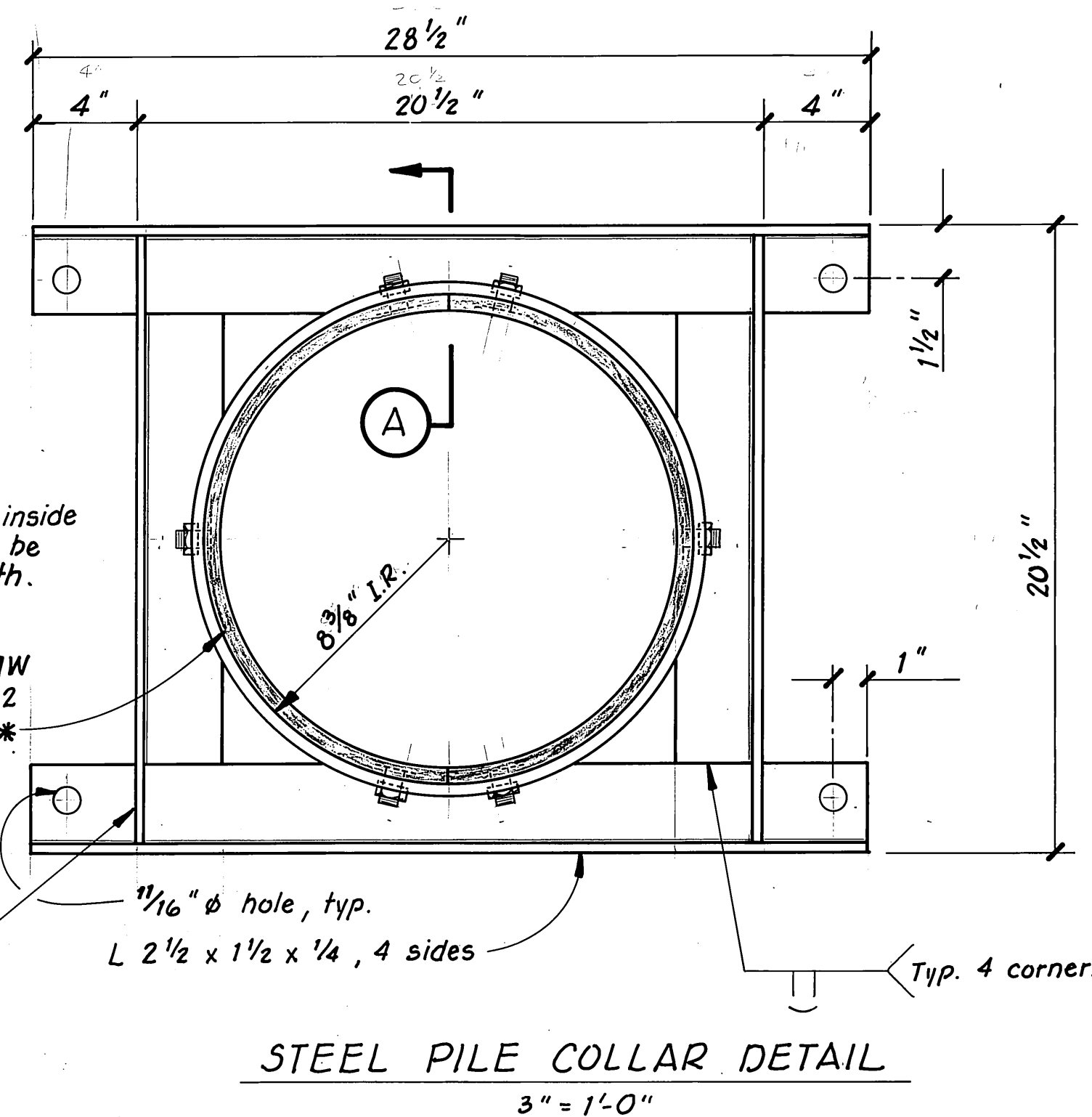
STEEL PILE SOCKET DETAIL N.T.S.

Drilled 15" ϕ hole, drove pile to ref. in it & backfilled remainder.

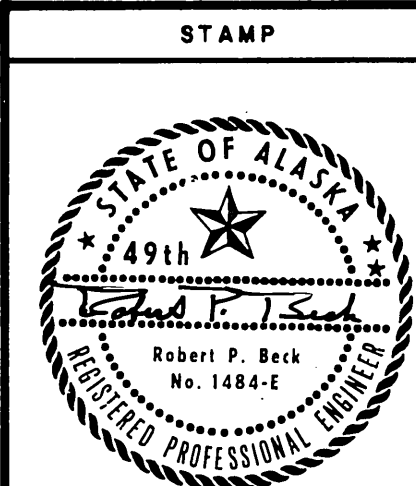


Note:
All welds on inside of ring shall be ground smooth.

3/4" x 4" UHMW Poly Liner, 2 half hoops *



* Note:
UHMW poly liners, as shown, with 3 bolts per half collar are for UHMW which has been heated and then molded to the shape shown. For liners which are cold bent a minimum of 5 bolts per half collar are required. Type of bending to be called out on shop drawings.



DO NOT SCALE THIS DRAWING — USE DIMENSIONS			
STATE OF ALASKA			
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
Myers Chuck		Alaska	
L MISCELLANEOUS DETAILS			
DESIGNED <u>RPB</u>	CHECKED <u>JDB</u>	DRAWN <u>T.S.</u>	DATE <u>8/84</u>
PROJECT NUMBER <u>K-31521</u>	SHEET <u>6</u> OF <u>7</u>		

MH 7/22/85

Left this stringer in place for added support.
All underwater portions of the 4x10 Sills & all of the bottom stringers are badly bug eaten. The existing foam is also badly eaten. The bottom ends of the galv. bolts are corroding out. The foam billets this location installed on edge.

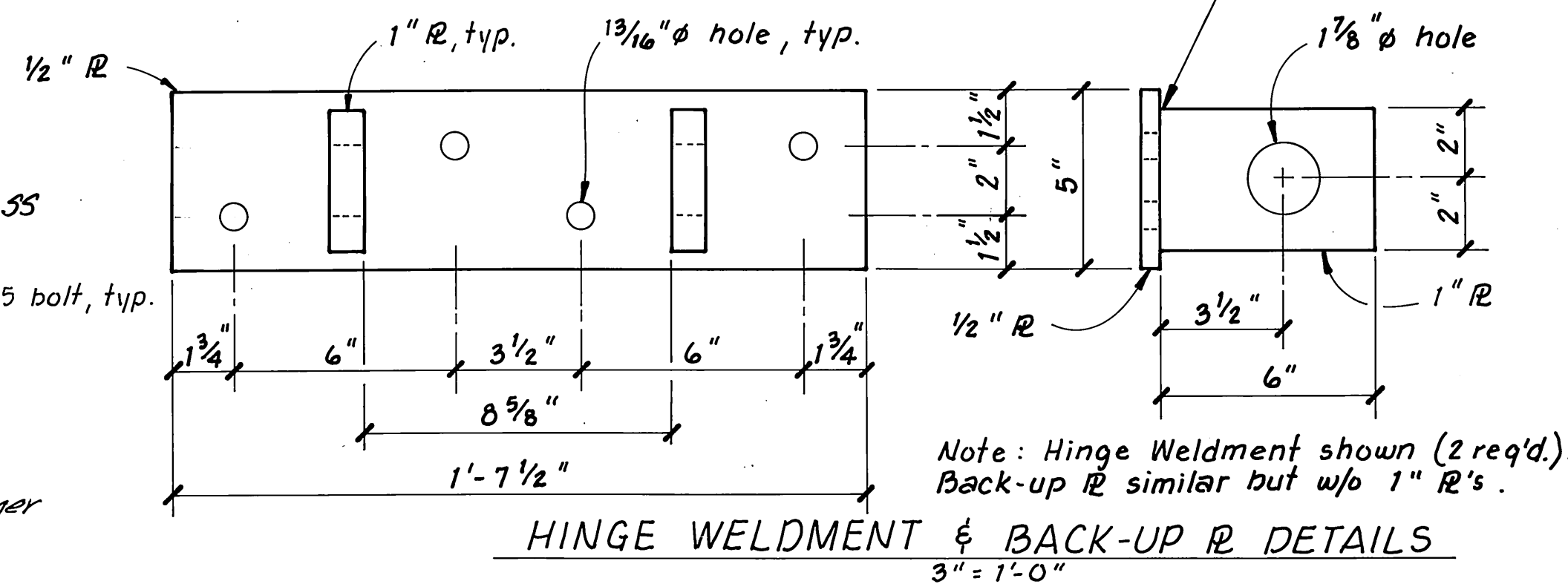
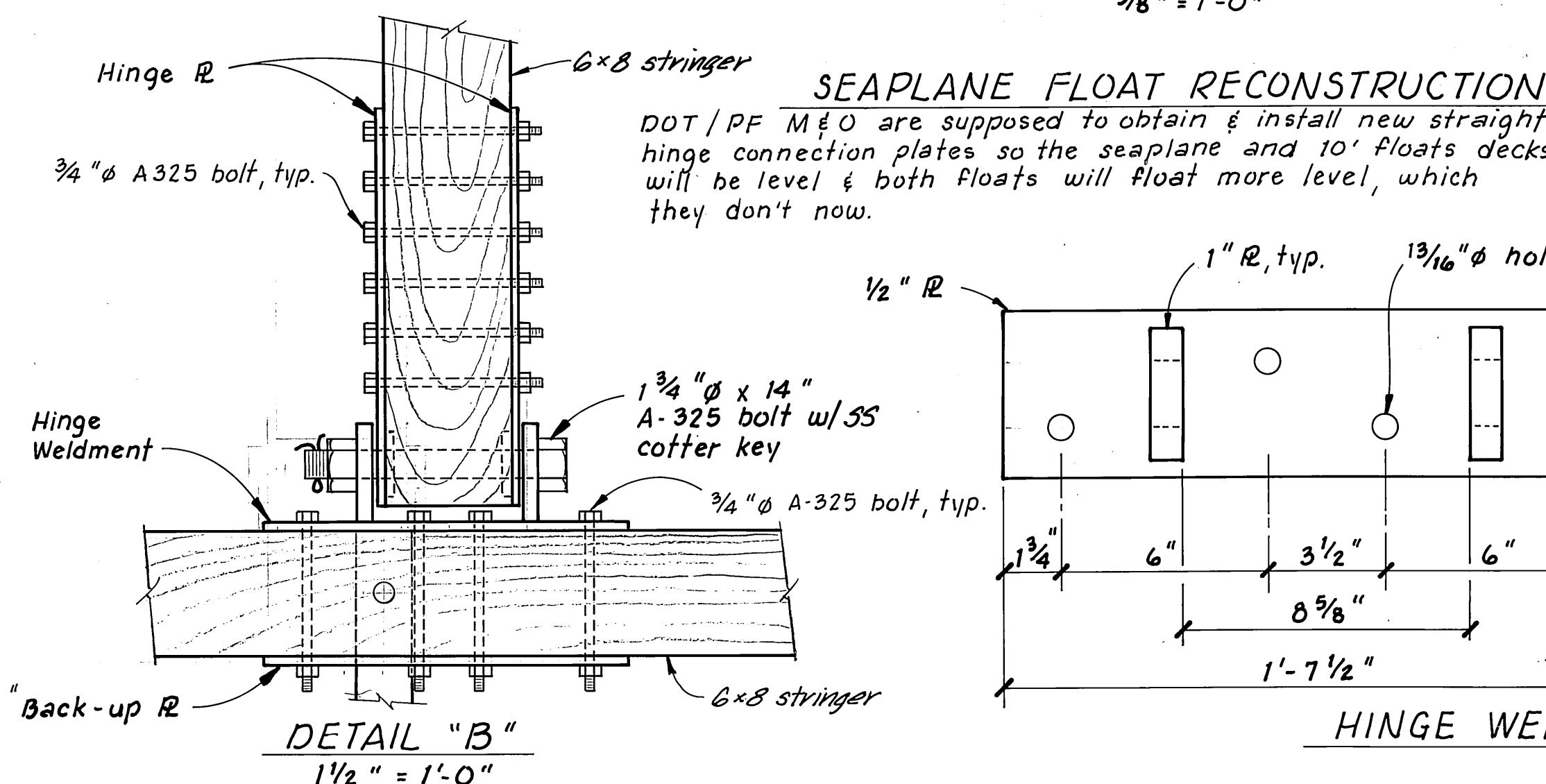
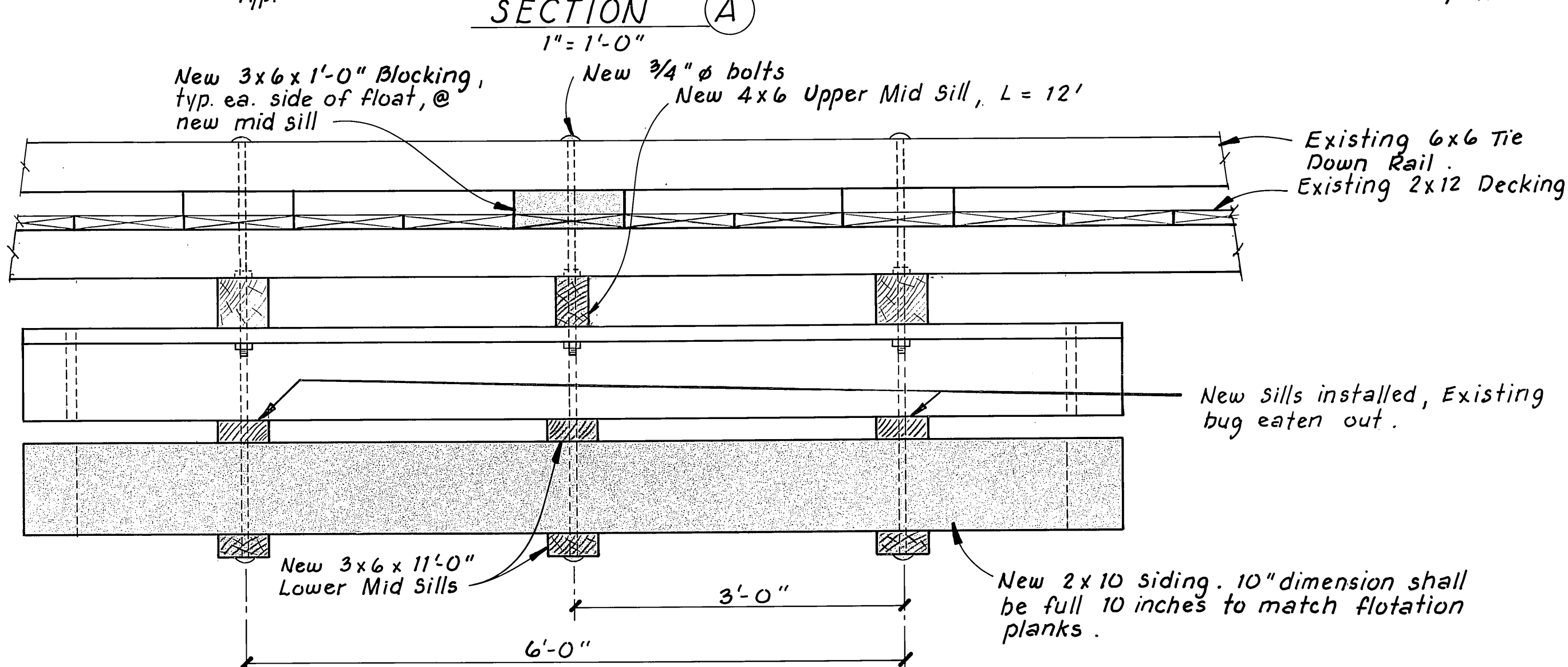
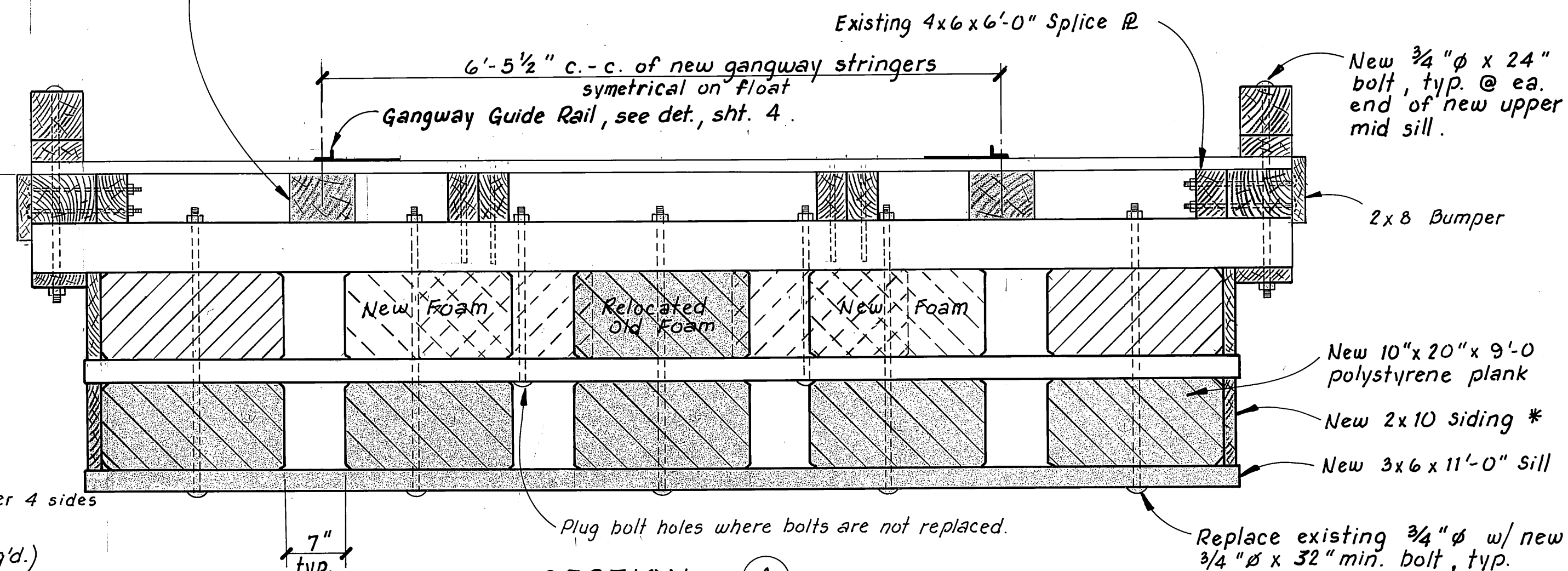
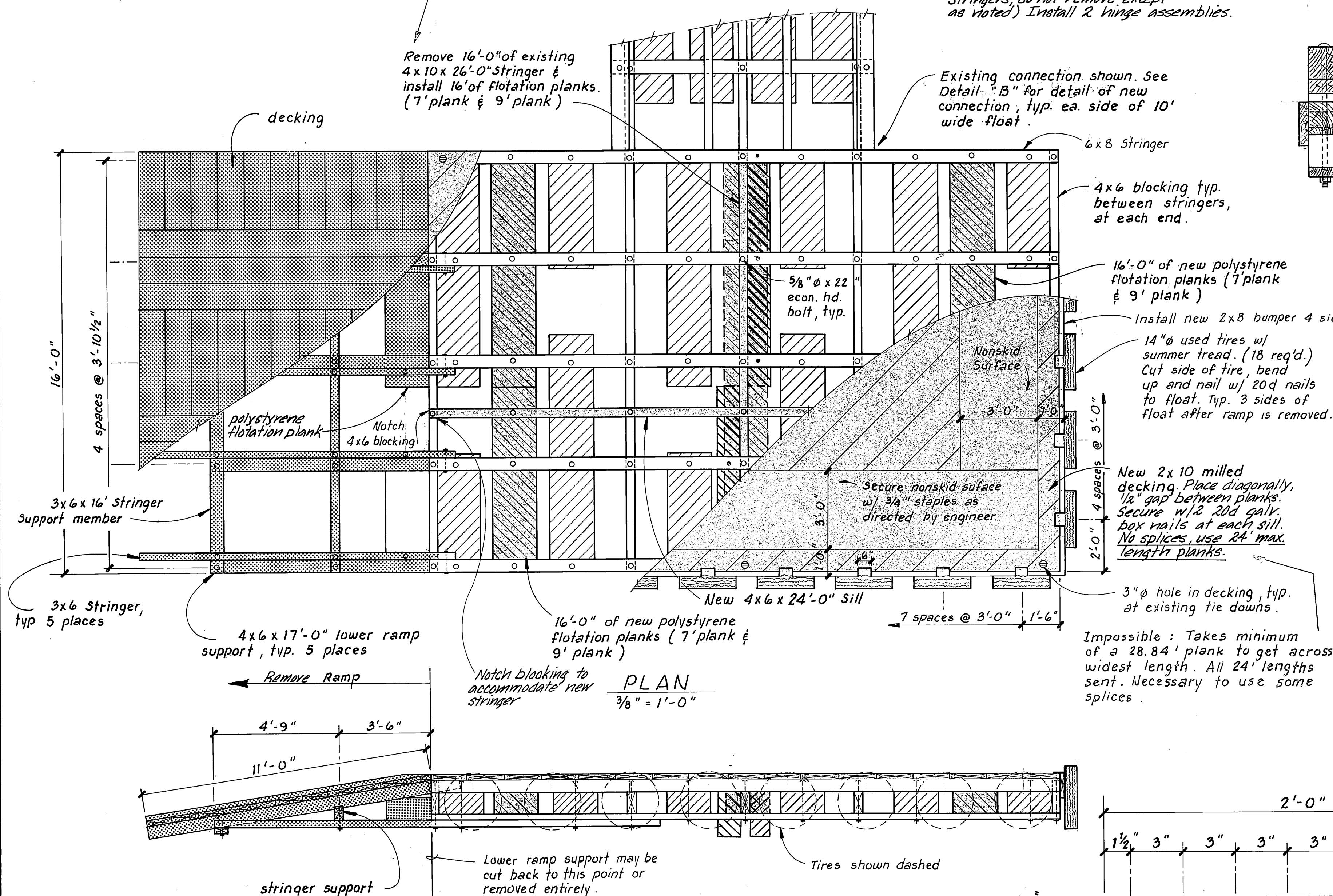
Remove 16'-0" of existing 4x10x26'-0" Stringer & install 16' of flotation planks (7' plank & 9' plank)

Separate seaplane float from 10' timber float (cut 4x10x26'-0" stringers, do not remove except as noted) Install 2 hinge assemblies.

Existing connection shown. See Detail "B" for detail of new connection, typ. ea. side of 10' wide float.

6x8x20'-0" gangway stringer. Secure to first 4-6x6 sills from end w/ 5/8" econ. hd. bolts. Countersink head.

Extra piece of new foam installed in this pontoon. Came from next pontoon in line, see note on page 2.



- LEGEND (FLOTATION)
- Typ. plank location of existing. Plank to be relocated.
 - Existing plank in relocated position.
 - Existing plank to remain.
 - New plank

MH 7/22/85

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
STATE OF ALASKA			
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
Myers Chuck		Alaska	
SEAPLANE FLOAT RECONSTRUCTION & GANGWAY FLOAT MODIFICATIONS			
DESIGNED RPB	CHECKED JDB	DRAWN TS	DATE 8/84
PROJECT NUMBER K-31521		SHEET 7 OF 7	