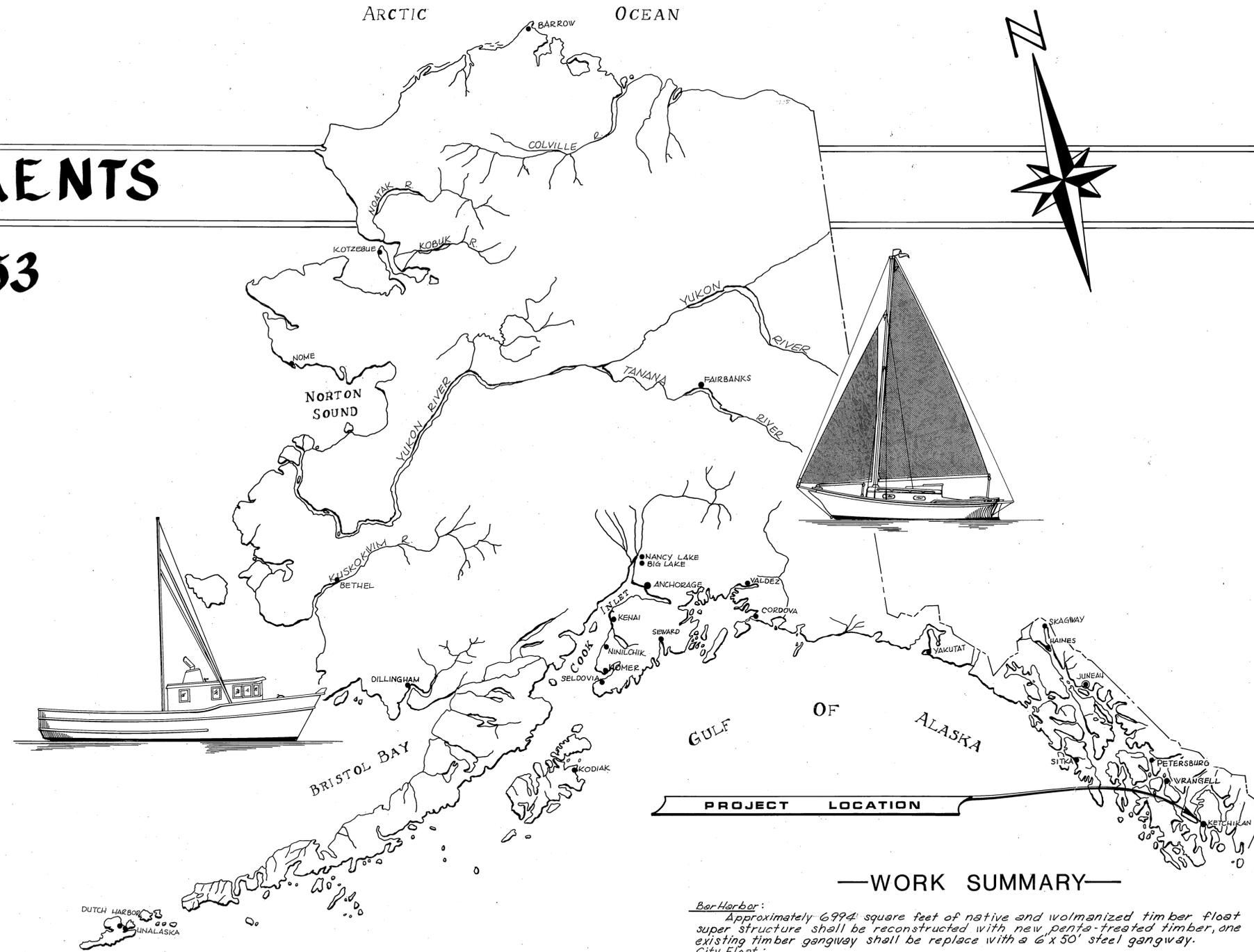


KETCHIKAN HARBOR IMPROVEMENTS PROJECT NO. 378153



—WORK SUMMARY—

Bar Harbor:
Approximately 6994 square feet of native and volmanized timber float super structure shall be reconstructed with new, penta-treated timber, one existing timber gangway shall be replaced with a 6' x 50' steel gangway.

City Float:
One existing timber gangway shall be replaced with a 6' x 50' steel gangway.

Thomas Basin:
One existing 48' x 61' timber grid "A" consisting of 12 x 12 timber caps and approximately 60 grid piling shall be removed and a new 48' x 60' steel grid shall be constructed. Eight new timber fender piles shall be driven adjacent to grid "B."

Note: Gangways at Bar Harbor and City Float are deductive alternates.

INDEX TO SHEETS

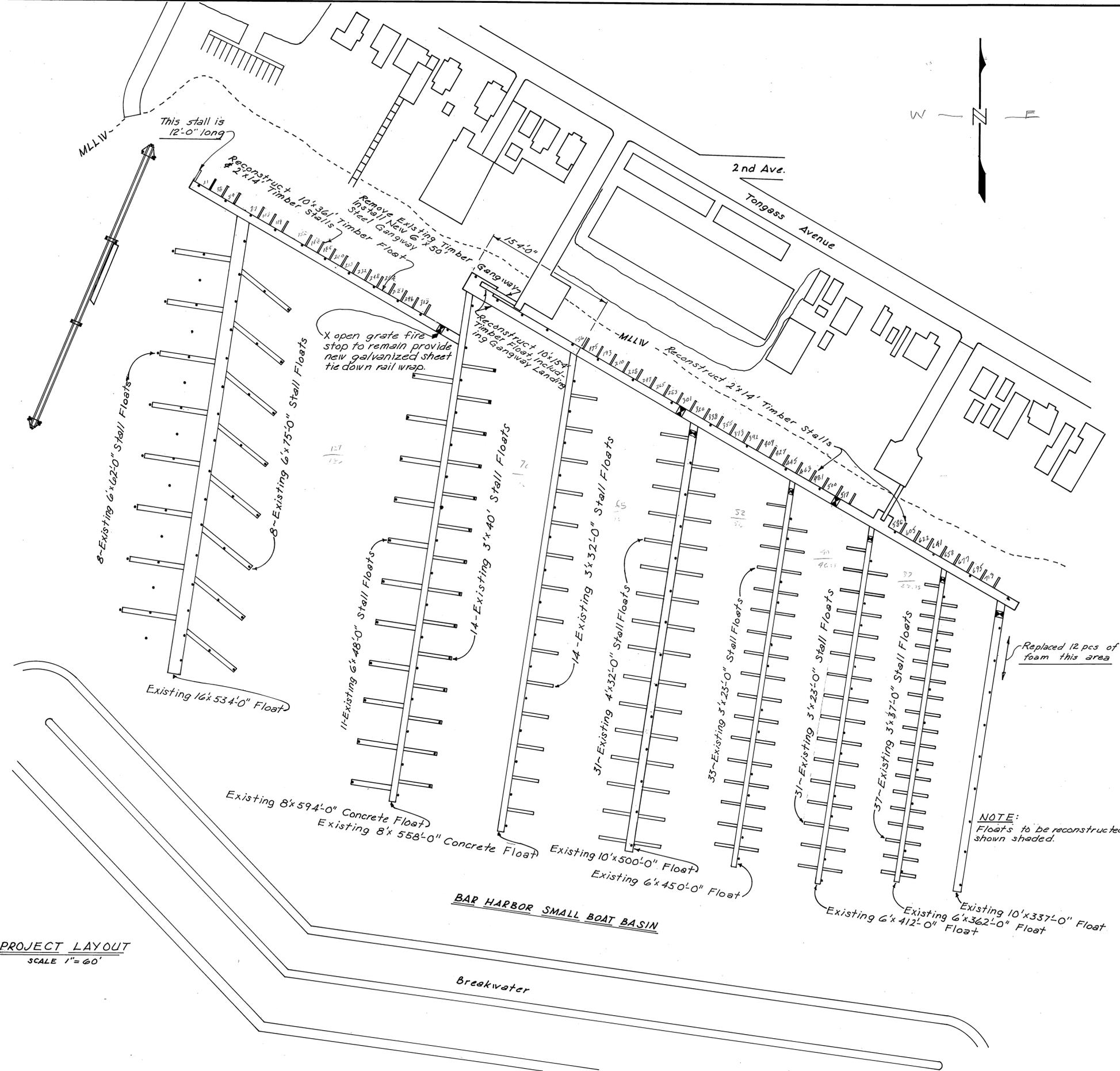
1.	Title Sheet		
2.	Project Layout & Location		
3.	10' Float w/14' Stalls		
4.	Grid "A" & "B" Construction		
5.	Typical Steel Gangway Const. "A"		
6.	Typical Steel Gangway Const. "B"		

10-17-78
Division of Harbor Design
and Construction

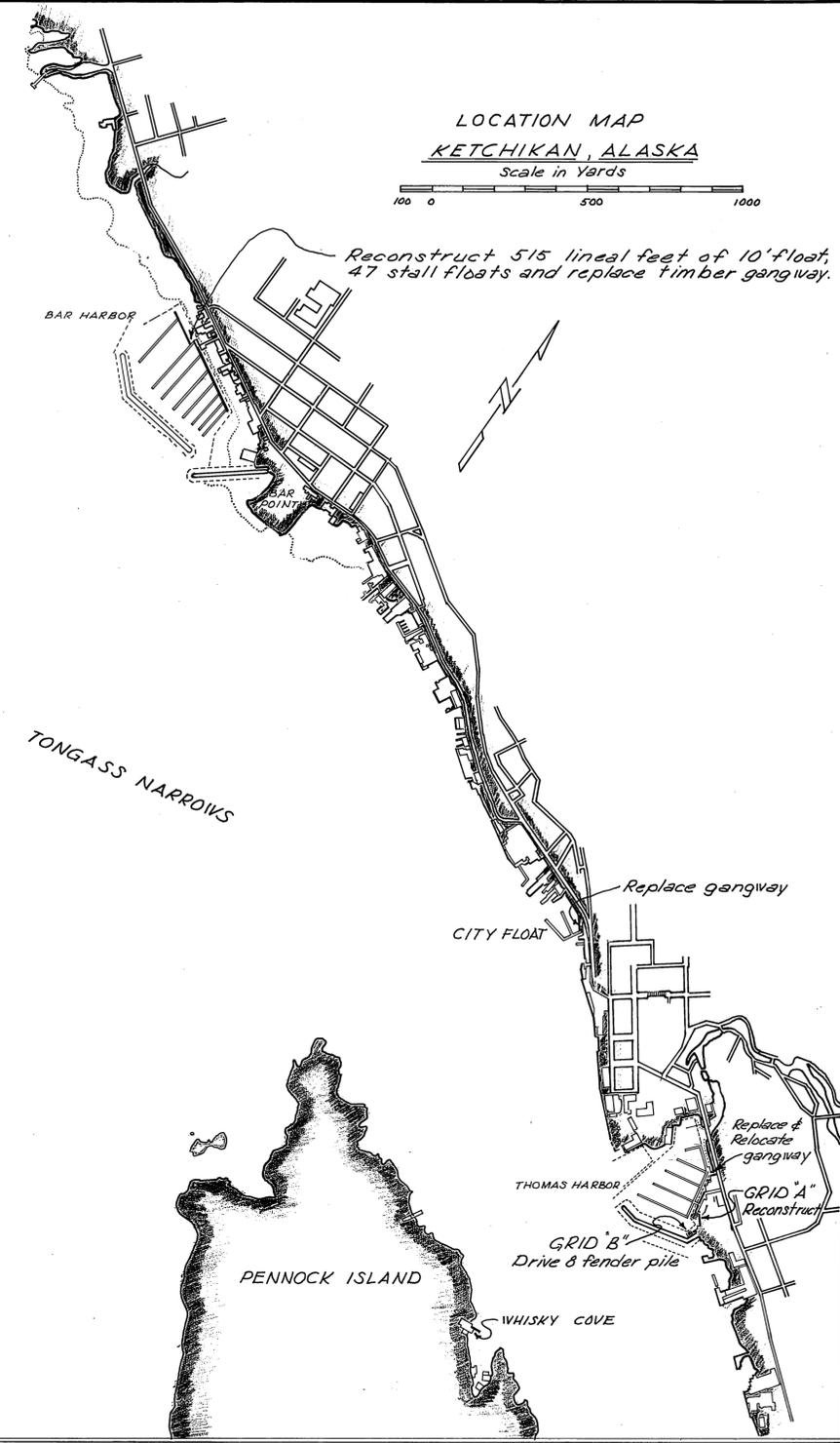
APPROVED
Wm Stetter
DATE 2/12/78
SHEET 1 OF 6

STATE
OF
ALASKA

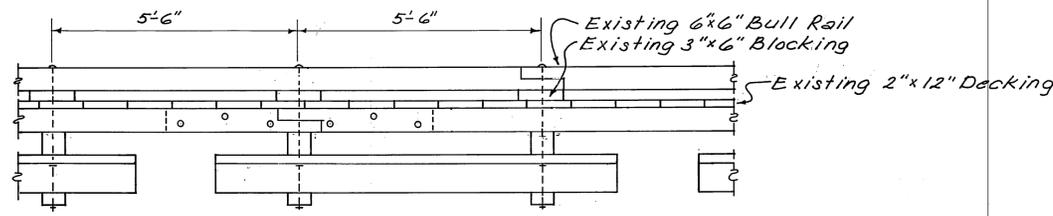
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
**DIVISION OF HARBOR
DESIGN & CONSTRUCTION**



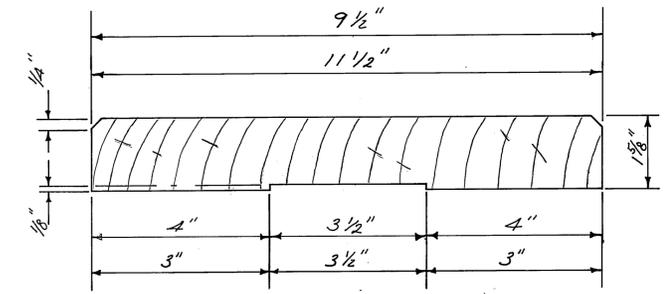
PROJECT LAYOUT
SCALE 1" = 60'



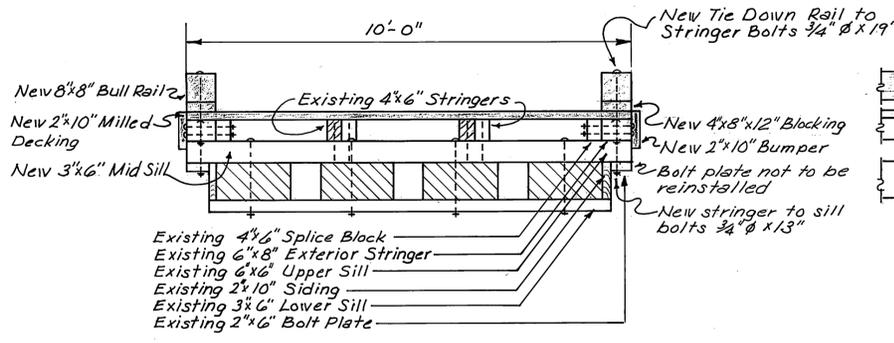
DO NOT SCALE THIS DRAWING - USE DIMENSIONS		
STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS		
KETCHIKAN BAR HARBOR FACILITIES PROJECT LAYOUT		
SCALE: <i>As Noted</i>	SURVEYED:	APPROVED:
DESIGNED: <i>HM</i>	DRAWN: <i>GRF</i>	Don Statter
CHECKED: <i>RPB</i>	DATE: <i>JAN. 1978</i>	DIRECTOR
PROJECT NUMBER: <i>3-78/53</i>	SHEET: 2 OF 6	



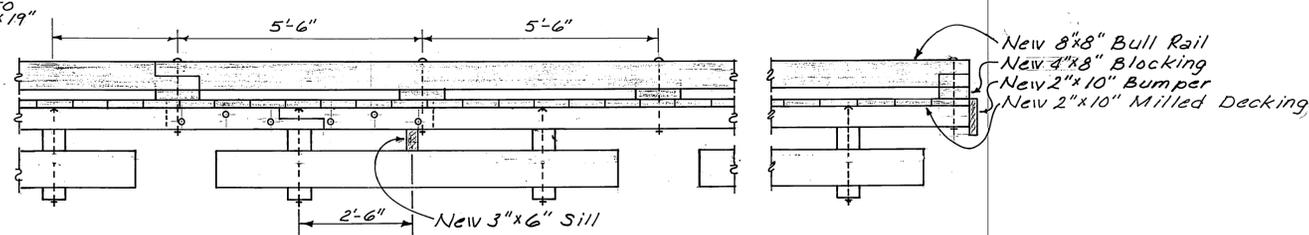
Existing 10' Float
1/2" = 1'-0"



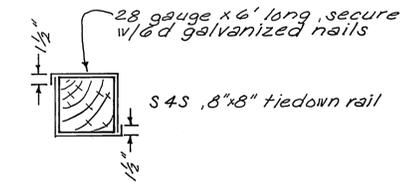
2"x10" & 2"x12" Milled Decking
1/2" = 1'-0"



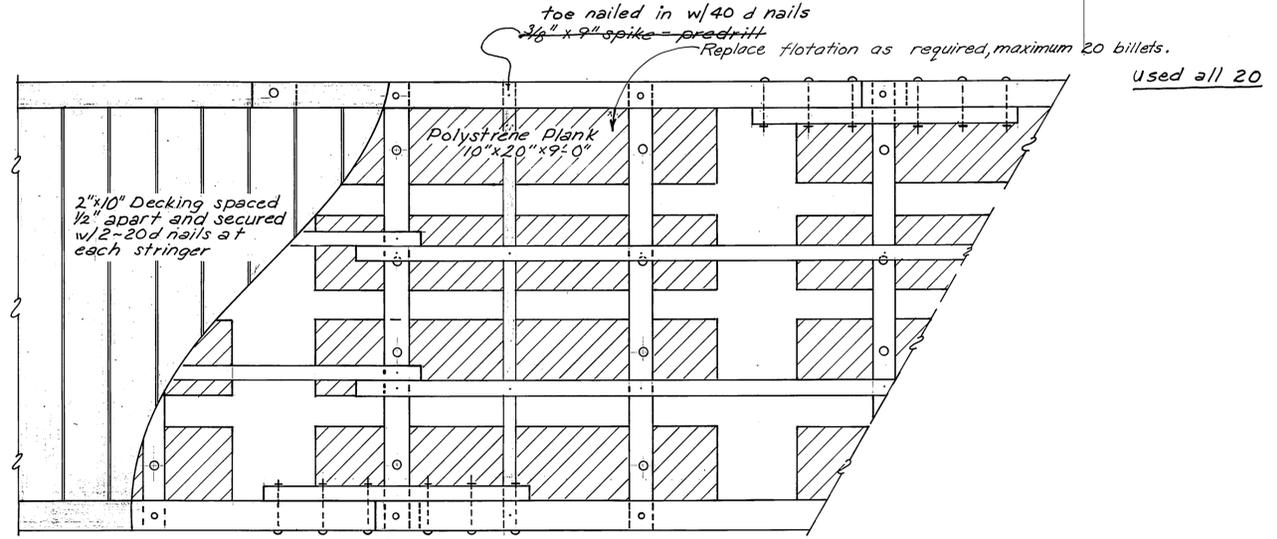
Section 10' Float
1/2" = 1'-0"



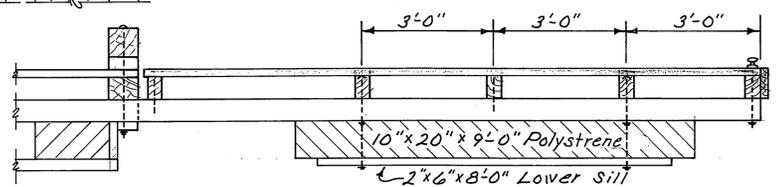
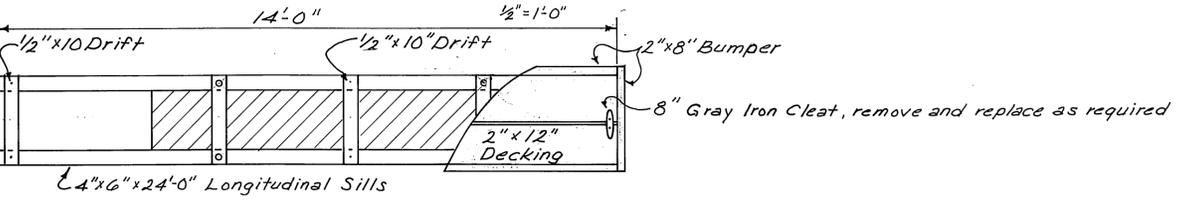
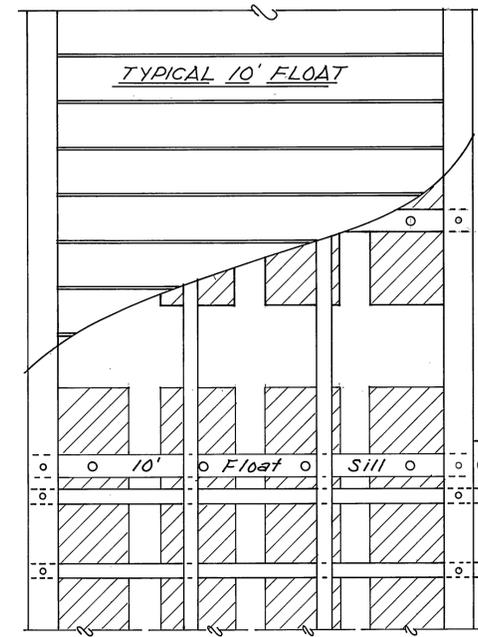
10' Float Reconstruction
1/2" = 1'-0"



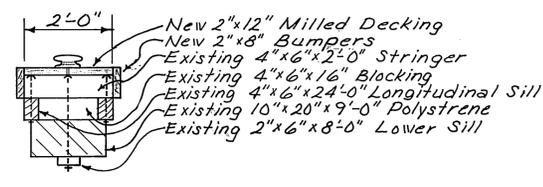
Fire Stop Flashing
1" = 1'-0"



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



2'-x14'-0" Stall Float
1/2" = 1'-0"



Section 2'x14' Stall Reconstruction
1/2" = 1'-0"

Note: 1. Treat all nail holes in stringers w/ hot creosote oil.
2. All timber shall be dressed S4S unless noted.
3. Tiedown rails, decking, bumper boards, scupper blocks shall be penta treated.
4. 3"x6" middle sill shall be creosote treated.

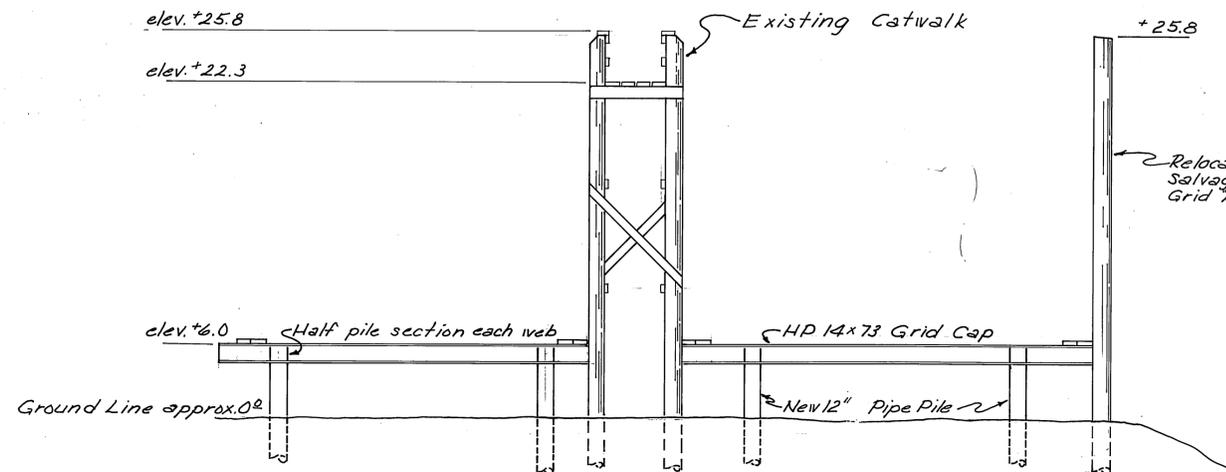
DO NOT SCALE THIS DRAWING - USE DIMENSIONS

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

KETCHIKAN BAR HARBOR FACILITIES
10' FLOAT w/ 17' STALLS RECONSTRUCTION

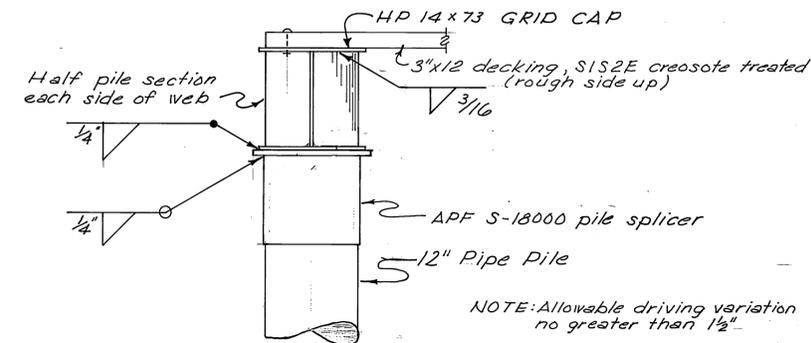
SCALE AS NOTED	SURVEYED	APPROVED
DESIGNED HM	DRAWN GRF	Don Statter
CHECKED RPB	DATE JAN. 1978	DIRECTOR
PROJECT NUMBER 3-78153	SHEET 3 OF 6	



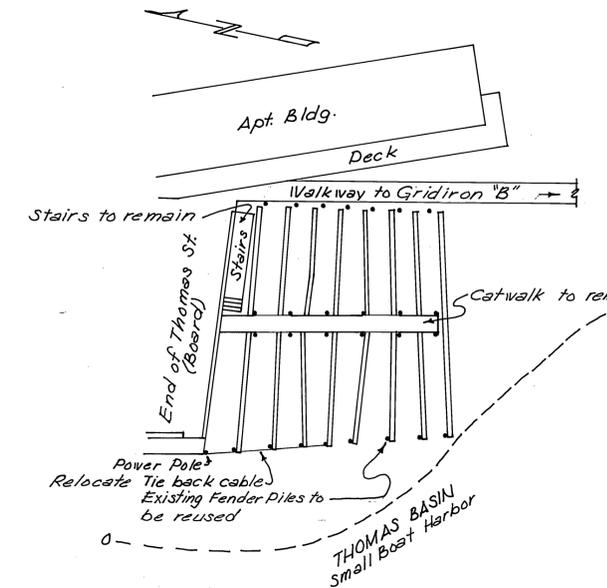


GRID A SECTION
1" = 6'-0"

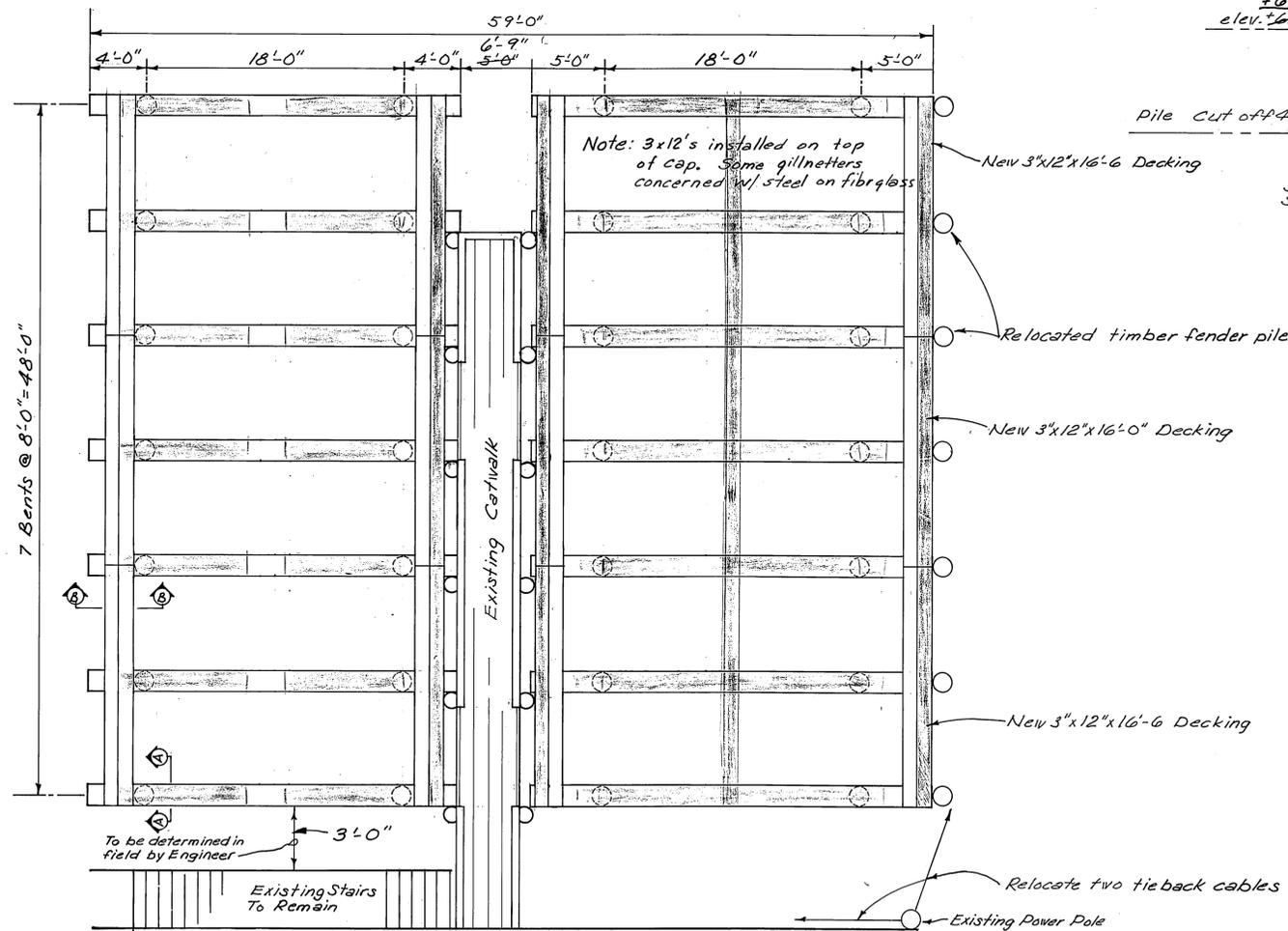
Note: Piles to be driven to 20 ton bearing



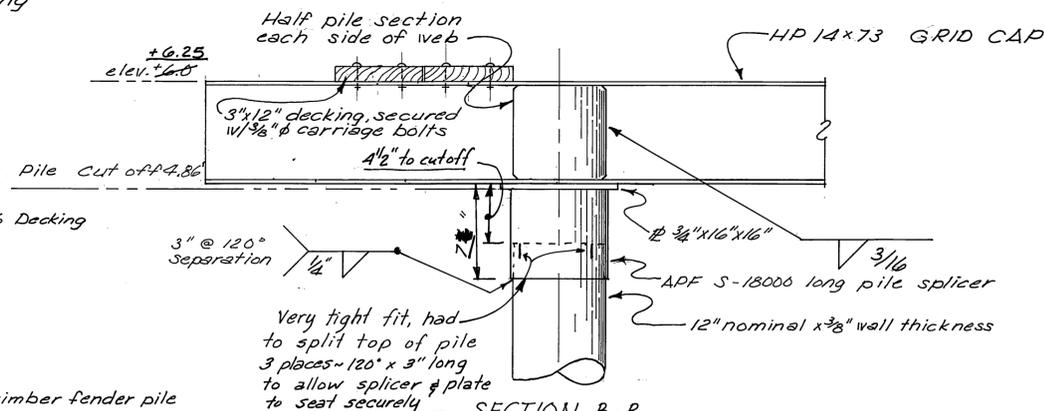
SECTION A-A
1" = 1'-0"



EXISTING GRID A PLAN
1" = 20'-0"

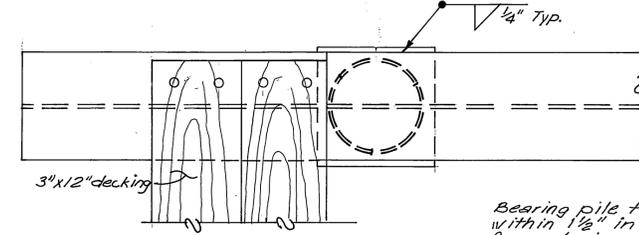


GRID A PLAN
1" = 6'-0"



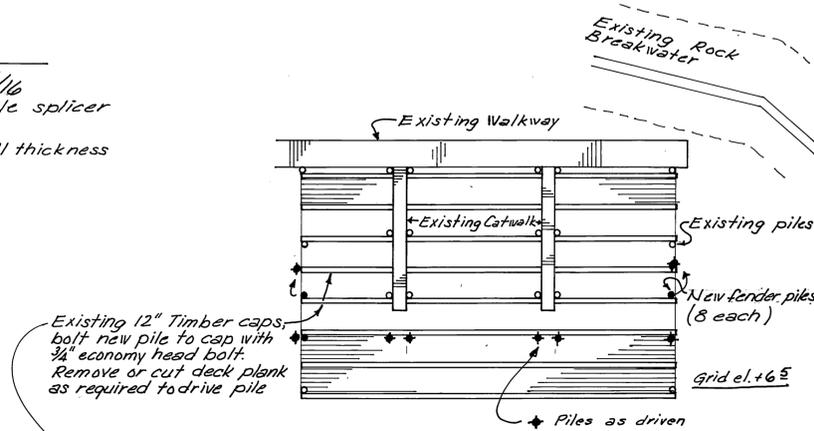
SECTION B-B
1" = 1'-0"

Good method - very accurate - level finish grade

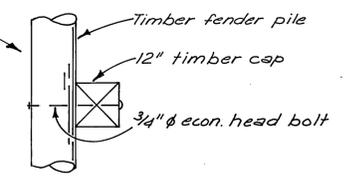


PLAN
1" = 1'-0"

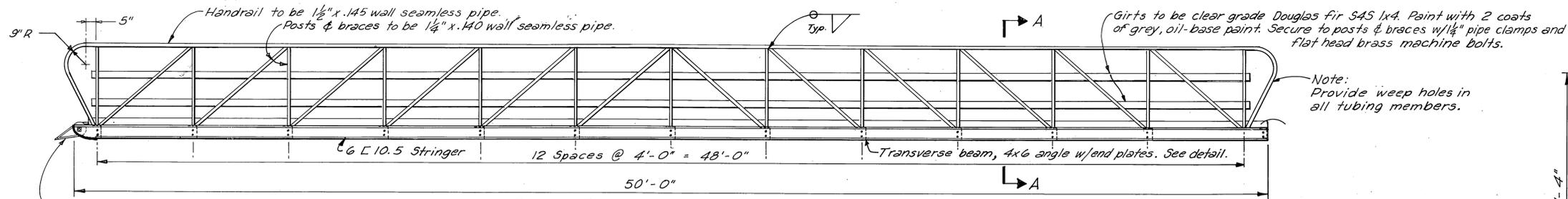
GRID A connection detail @ Grid Cap to Pile & 3"x12" Decking secured to Grid Cap



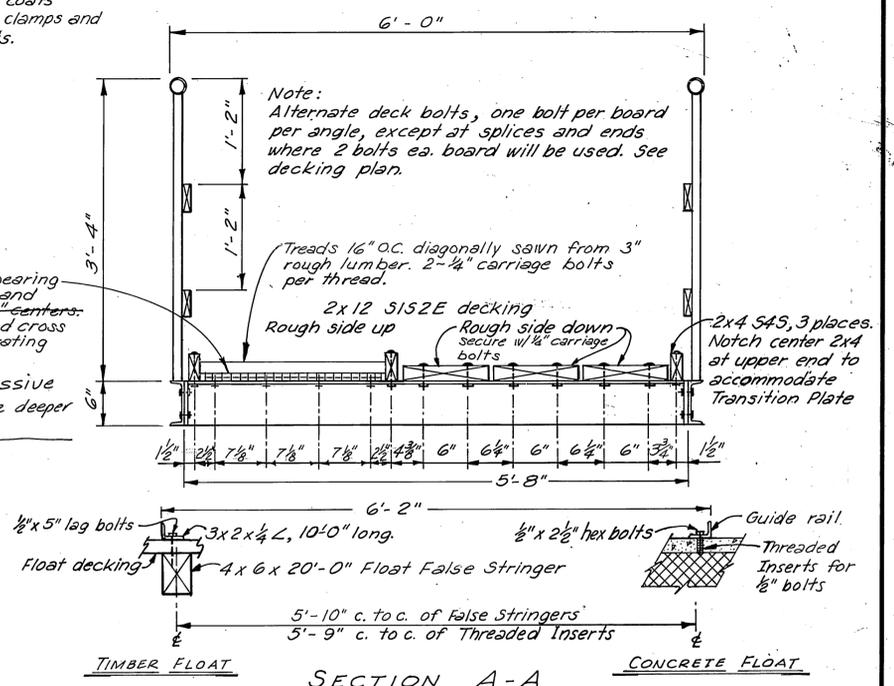
EXISTING GRID B PLAN
1/16" = 1'-0"



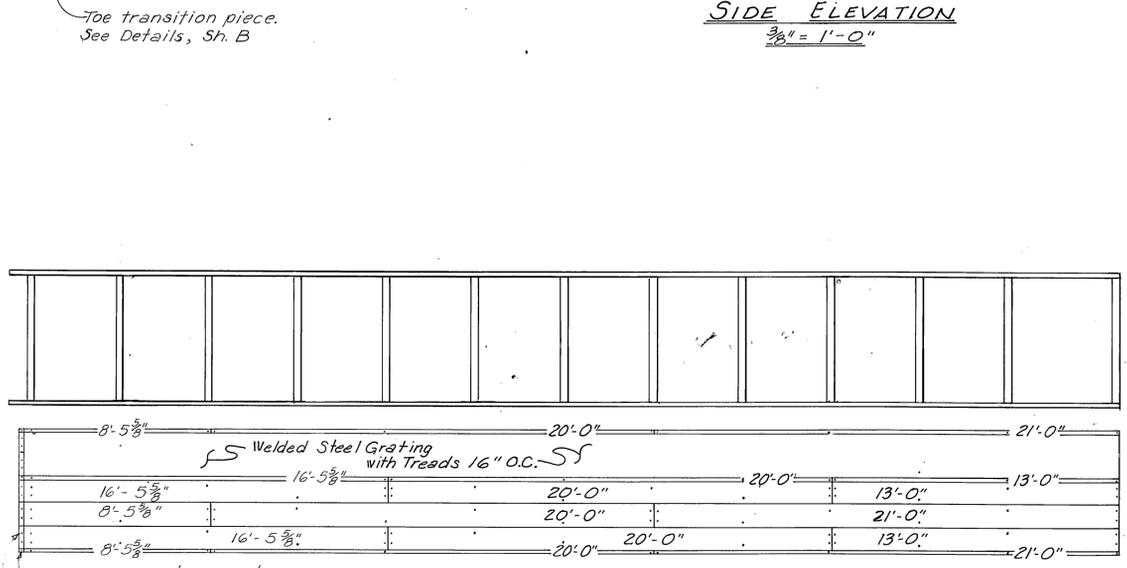
DO NOT SCALE THIS DRAWING - USE DIMENSIONS		
STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS		
KETCHIKAN THOMAS BASIN GRID RECONSTRUCTION		
SCALE: As Noted	SURVEYED:	APPROVED:
DESIGNED: HM	DRAWN: GRE	Don Statter
CHECKED: RPB	DATE: JAN. 1978	DIRECTOR
PROJECT NUMBER: 3-78153	SHEET 4 OF 6	



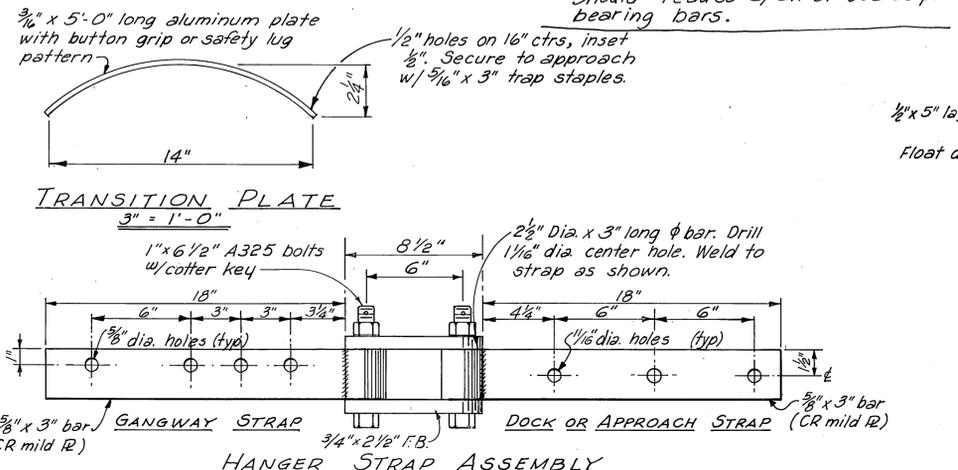
SIDE ELEVATION
3/8" = 1'-0"



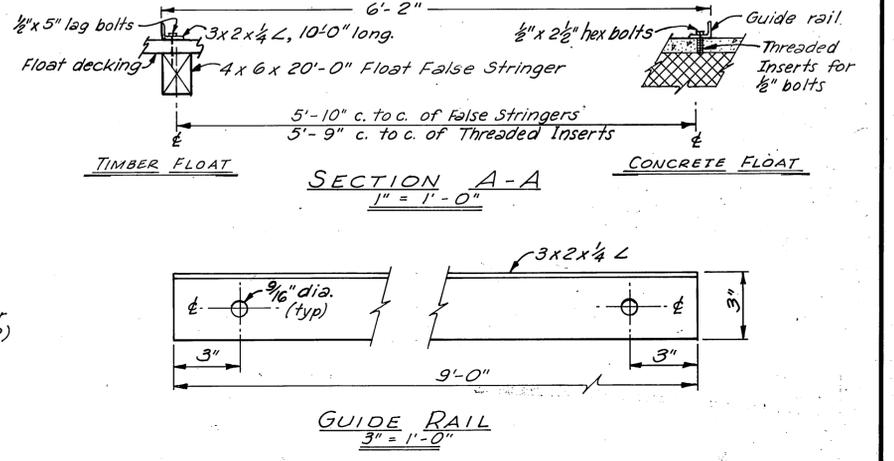
SECTION A-A
1" = 1'-0"



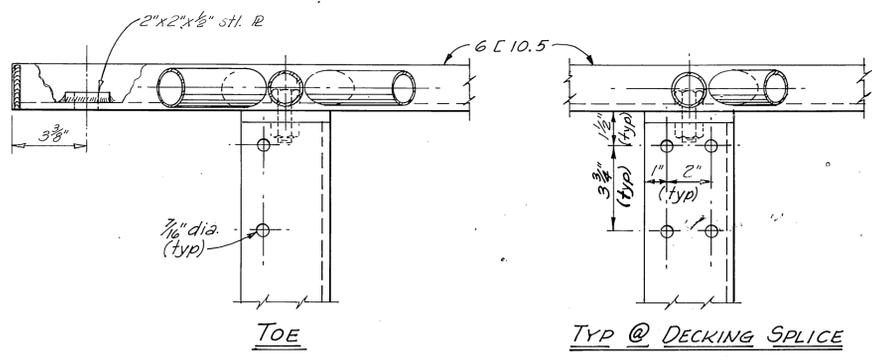
DECKING SPLICE LAYOUT
1/4" = 1'-0"



HANGER STRAP ASSEMBLY
No Scale



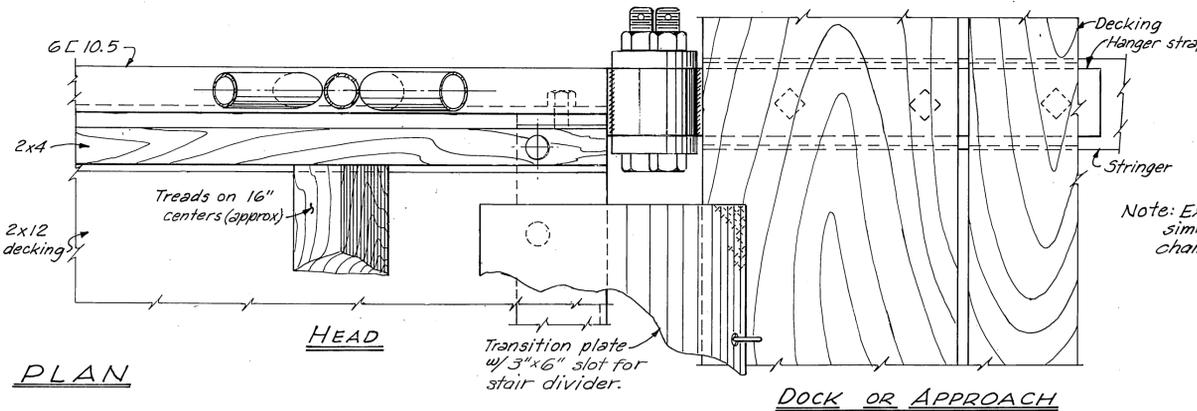
GUIDE RAIL
3" = 1'-0"



TOE

TYP @ DECKING SPLICE

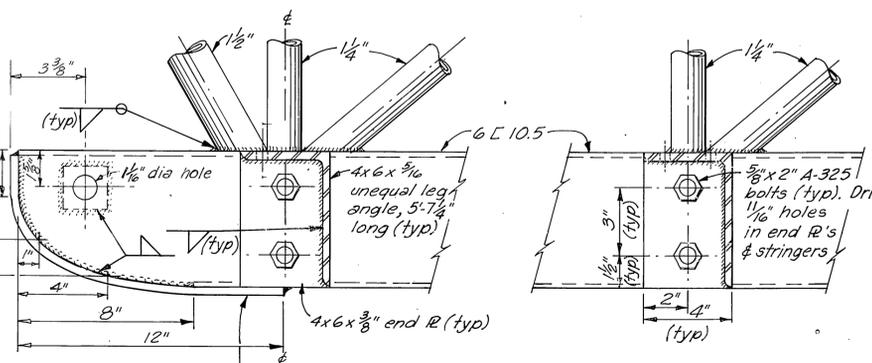
NOTE: FOR TOE TRANSITION PIECE, SEE SH. B



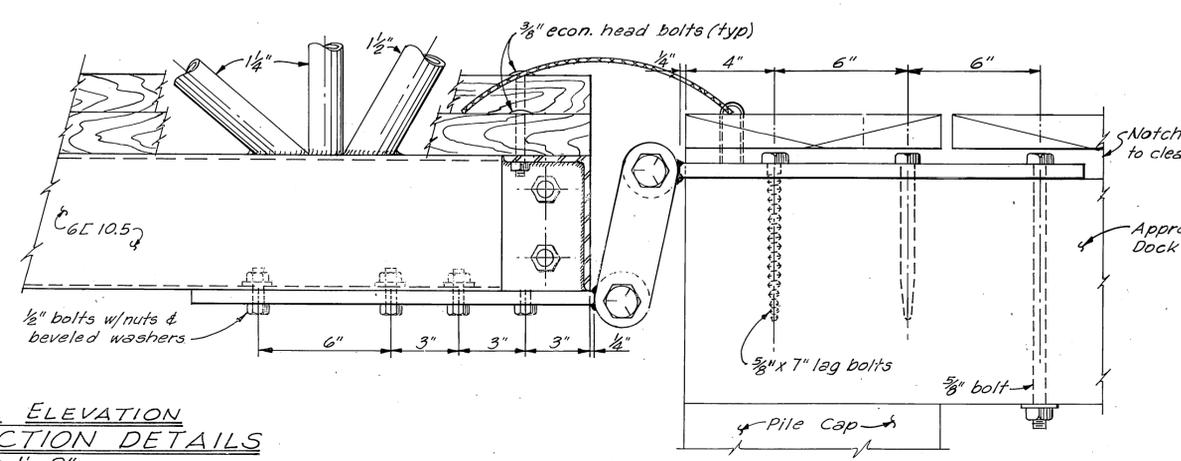
PLAN

DOCK OR APPROACH

Note: Existing hangers similar except with chain links.



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



- NOTES:**
- All seamless pipe shall conform to ASTM A-53, Grade B or ASTM A-501.
 - All shapes & plates shall conform to ASTM A-36.
 - Trusses shall be shop fabricated & assembled including hangers.
 - 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.
 - No tubing or channel splices will be permitted within 10' of the center of the truss structure.
 - Trusses & transverse beams shall be hot dipped galvanized after fabrication and in accordance with ASTM A-123, A-384, A-385 & A-386.
 - All steel hardware & fasteners shall be hot dipped galvanized in accordance with ASTM A-153.
 - Decking & deck spacers shall be Dense No. 1 grade Douglas fir, Pento pressure treated to 0.416 cu. ft. retention, and shall be field drilled to match shop drilled holes in transverse members.
 - Welded steel grating shall be secured with 1/4" bolts and clips as detailed or recommended by manufacturer.
 - Assembly shop drawing shall be submitted for approval.

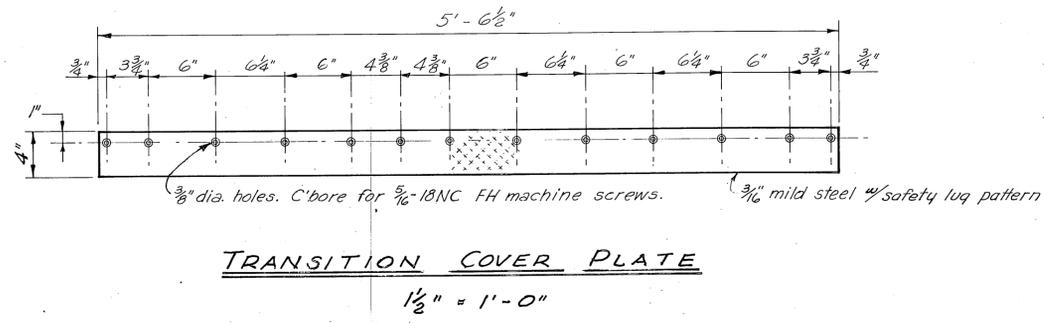
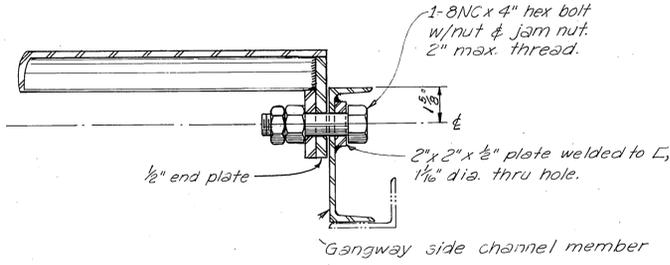
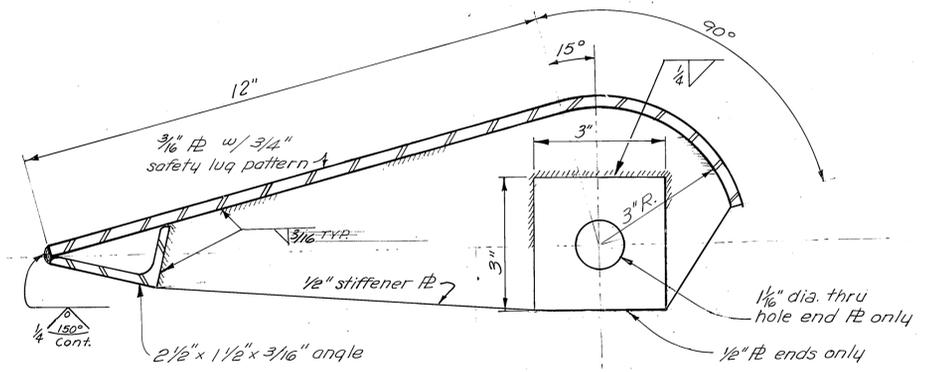
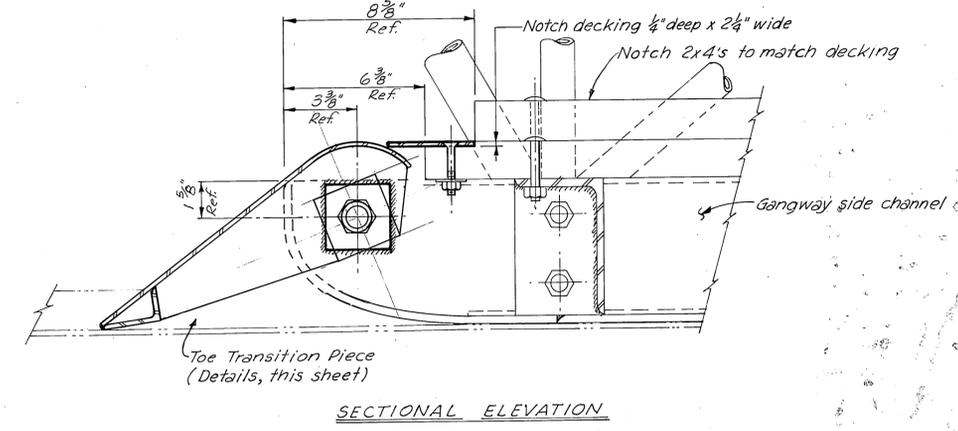
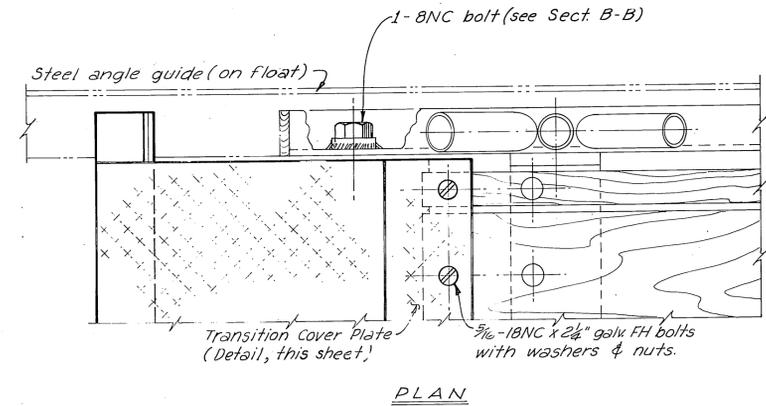
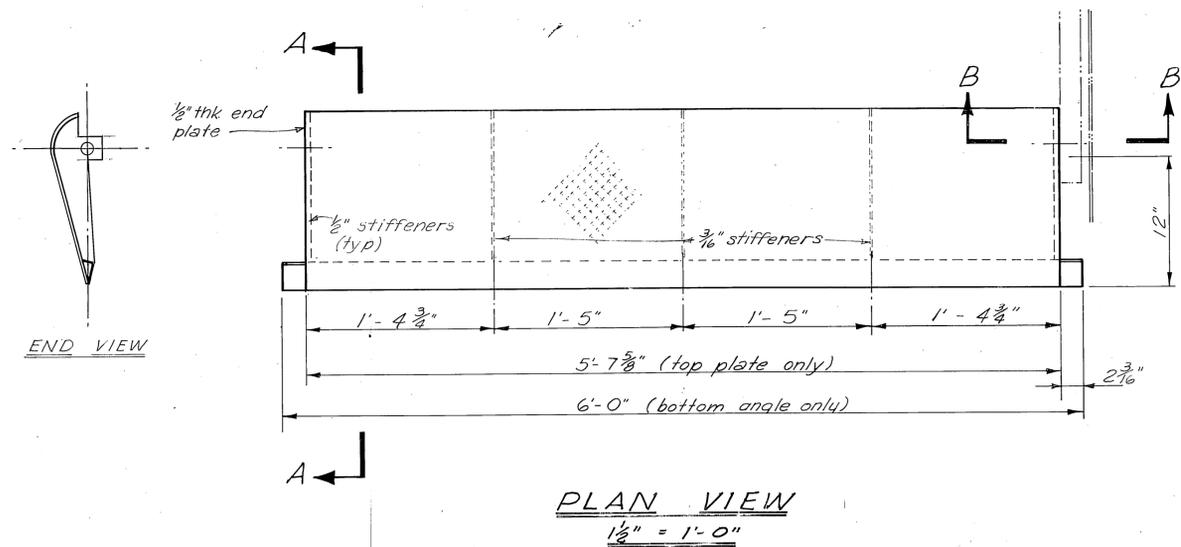
Revised 1-12-78 Steel Grating
 Revised 3-12-73 Hanger linkage
 Lumber grade
 Pento. retent
 Misc. holes, no. & size
 Revised 4-7-71. Removed Tension Wires.

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

TYPICAL STEEL GANGWAY CONSTRUCTION DETAILS (SHEET A)

SCALE As shown	SURVEYED	APPROVED
DESIGNED JT/RB	DRAWN JET	Don Statter
CHECKED DSM	DATE JAN 1978	DIRECTOR
PROJECT NUMBER 3-78/53		SHEET 5 OF 6





NOTES:
 For notes pertaining to fabrication and galvanizing, see Sheet A.

Revised 9-15-77 Modified Stiffeners
 Revised 1-28-75 Removed 6" pipe ELS

DO NOT SCALE THIS DRAWING - USE DIMENSIONS		
STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS		
TYPICAL STEEL GANGWAY TRANSITION PIECE DETAILS (SHEET B)		
SCALE As shown	SURVEYED	APPROVED
DESIGNED JET	DRAWN JET	Don Statter DIRECTOR
CHECKED DSM	DATE JAN 1978	
PROJECT NUMBER 3-78/53	SHEET 6 OF 6	

