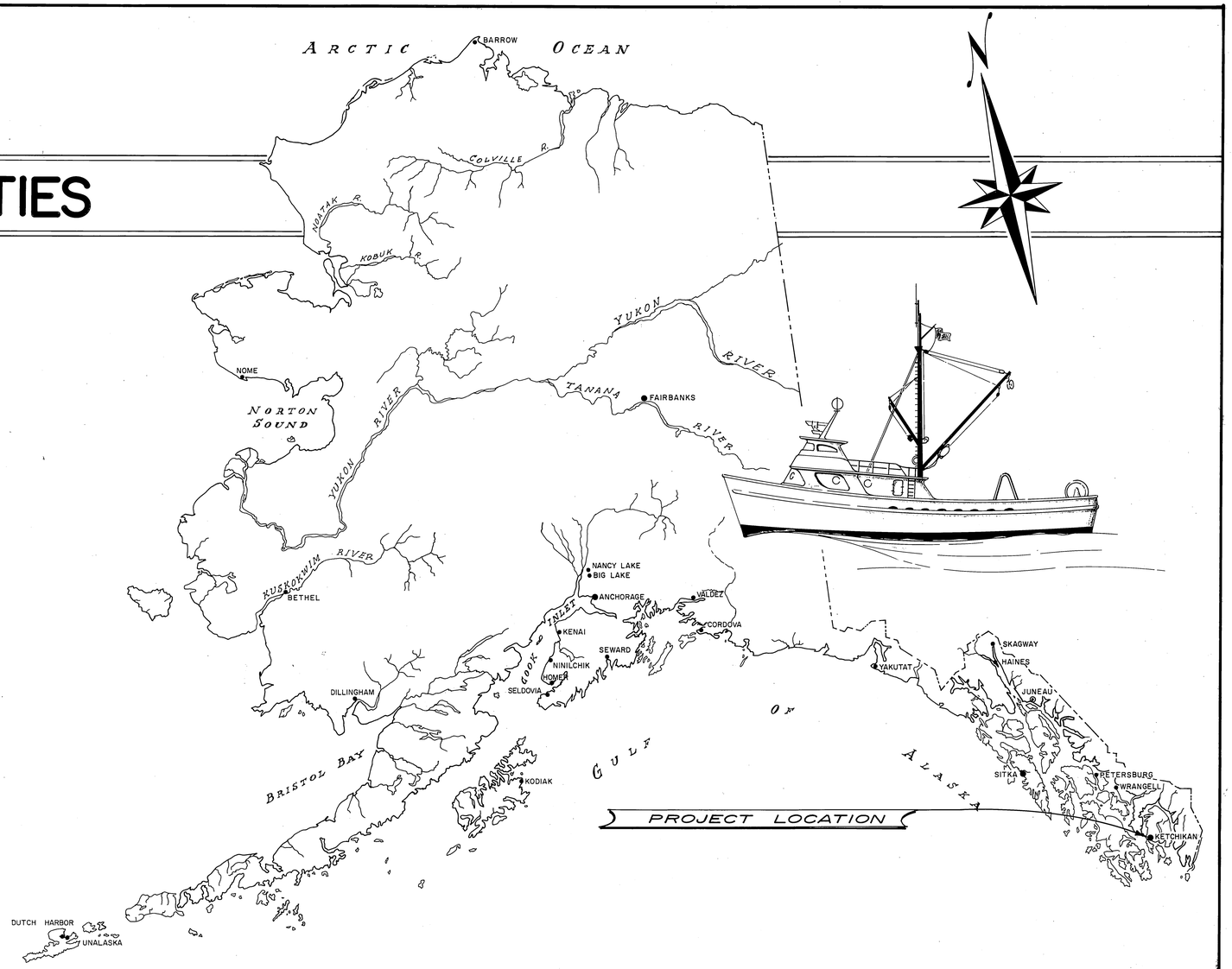
KETCHIKAN HARBOR FACILITIES

PROJECT NO. 3-74153



WORK SUMMARY

BAR HARBOR: Construction & installation of 2976 S.F. of concrete floats, furnishing & driving approx. 835 L.F. of 12" dia. steel piles, reconstructing the superstructure of a 10' x 512' timber float and replacing 32 flotation billets.

THOMAS BASIN: Reconstructing the superstructure of a 10' x 412' timber float, replacing 16 flotation billets and performing other misc. repairs.

As-built 12/74

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

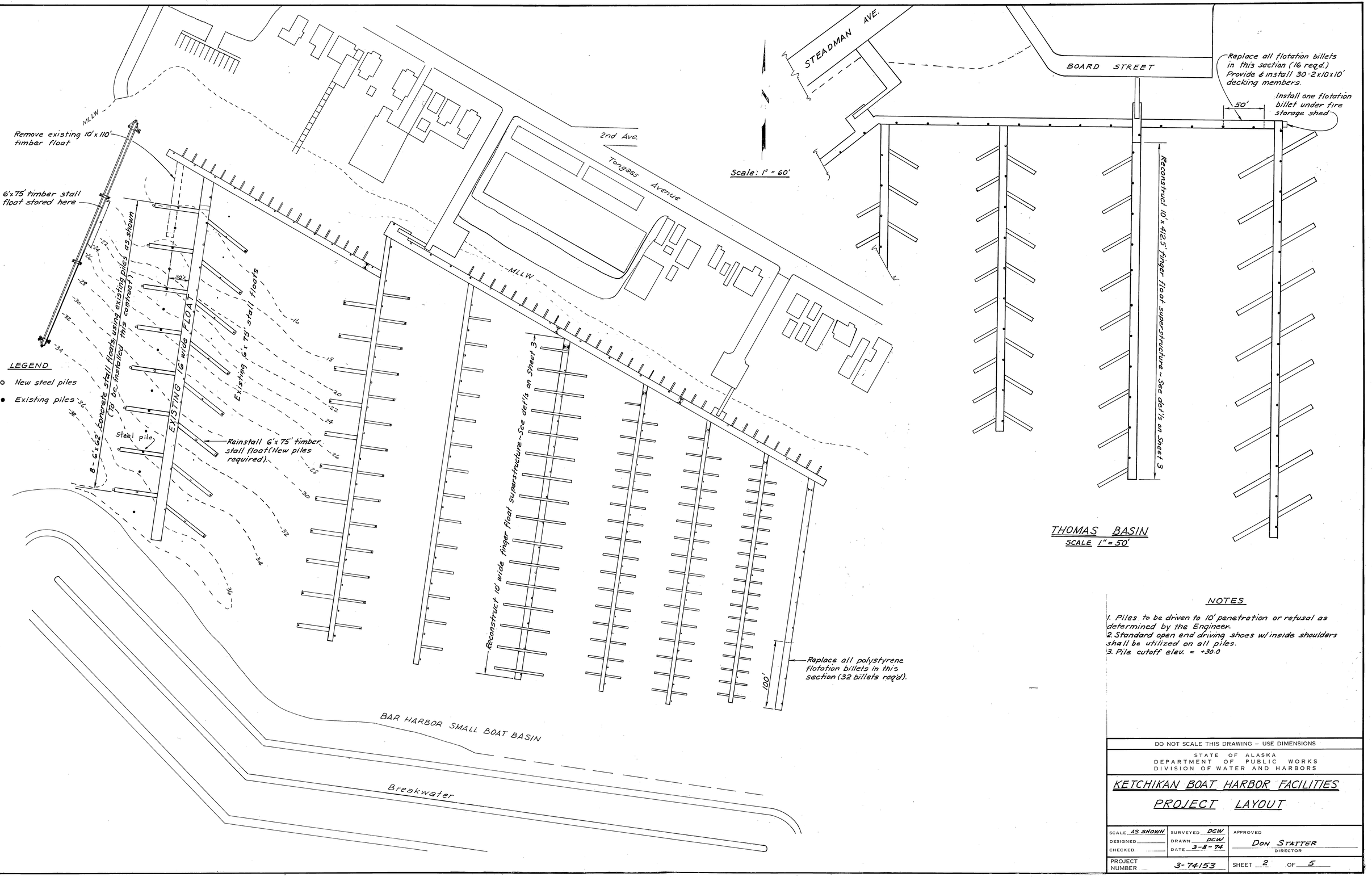
INDEX TO SHEETS

APPROVED

Jon Stutes
DIRECTOR

DATE 3/19/74

SHEET 1 OF 5



THOMAS BASIN
SCALE 1" = 50'

NOTES

1. Piles to be driven to 10' penetration or refusal as determined by the Engineer.
2. Standard open end driving shoes w/ inside shoulders shall be utilized on all piles.
3. Pile cutoff elev. = +30.0

DO NOT SCALE THIS DRAWING – USE DIMENSIONS

STATE OF ALASKA
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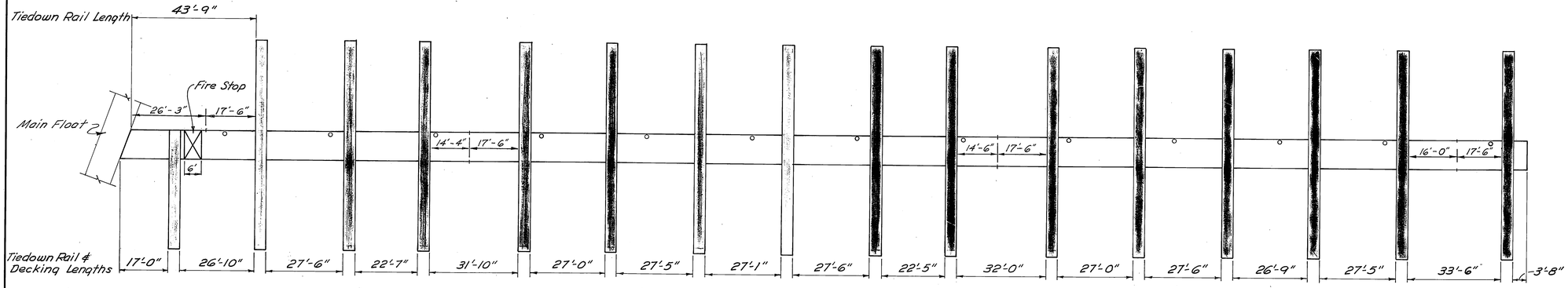
DIVISION OF WATER AND HARBORS

KETCHIKAN BOAT HARBOR FACILITIES

PROJECT LAYOUT

SCALE AS SHOWN	SURVEYED DCW	APPROVED
DESIGNED	DRAWN DCW	DON STATTER, DIRECTOR
CHECKED	DATE 3-8-74	
PROJECT NUMBER 3-74153	SHEET 2 OF 5	

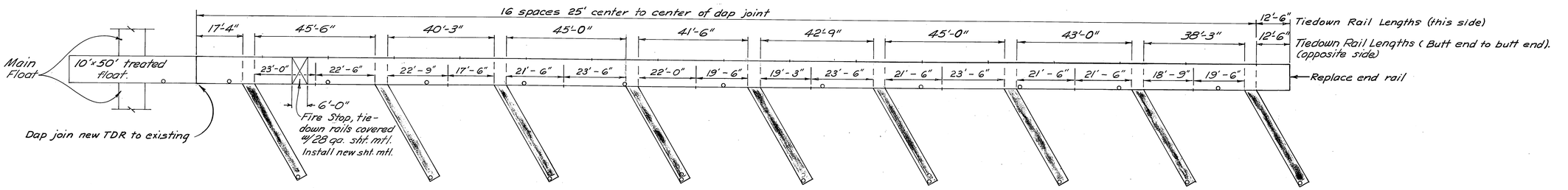


TDR's between stalls to be in one length except where distance exceeds 28'

BAR HARBOR

10'x 500' Finger Float w/31 ~4'x32' Stall Floats

1" = 20'

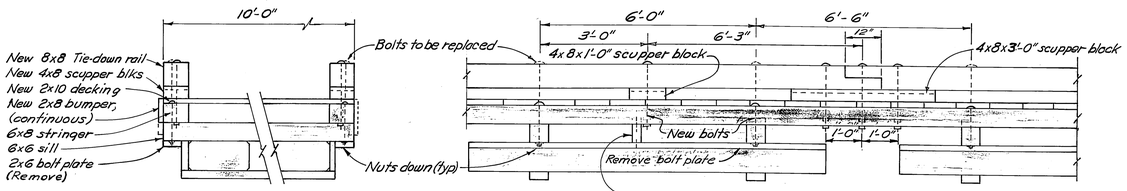


THOMAS BASIN

10'x 412'-6" Finger Float w/9 ~4'x42' Stall Floats

1" = 20'

Note: Shaded areas represent existing portion of facilities to remain intact.



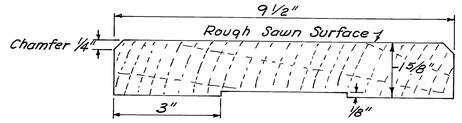
NOTES:

Existing Tie-down Rails, Scupper Blocks, Decking and Bumpers to be removed. Replace with 8x8 S4S TDR's, 4x8 S4S Scupper blocks, 2x10 milled decking & 2x8 S4S bumper member. Long bolts to be replaced with short bolts securing sill to stringer. New TDR to be secured w/ ¾" bolts as shown. All bolts to be ¾" econ. hd. type w/M.I. washers. All timber mat'l to be No. 1 structural Doug. Fir penta. treated, 0.6# retent.

10' FLOAT RECONSTRUCTION DETAIL

½" = 1'-0"

Tie-down Rails to be 25' from c. to c. of dap joints except where stall openings occur. TDR's between stalls may have one splice where distance exceeds 28'. Place 4x8 x 1'-0" blocks @ all TDR ends



SECTION

½ Size

MILLED DECKING DETAIL

DO NOT SCALE THIS DRAWING -- USE DIMENSIONS

STATE OF ALASKA
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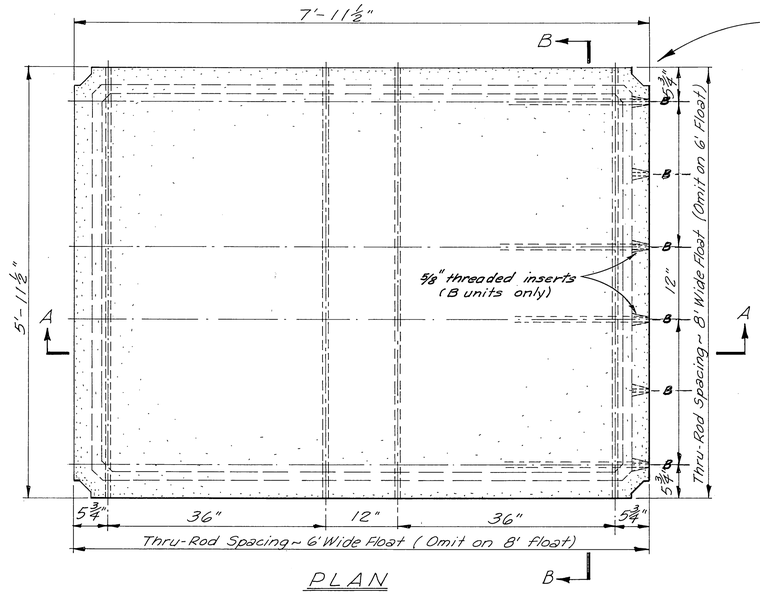
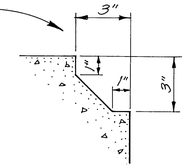
DIVISION OF WATER AND HARBORS

KETCHIKAN BOAT HARBOR FACILITIES
FLOAT RECONSTRUCTION

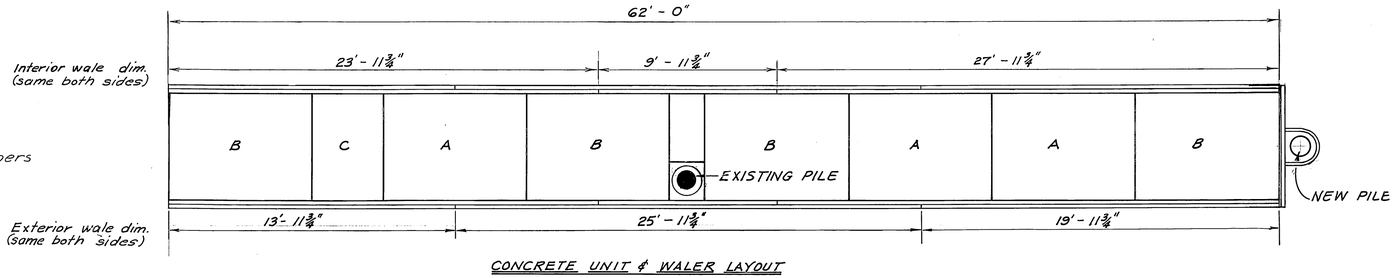
SCALE As Shown	SURVEYED D.C.W.	APPROVED
DESIGNED	DRAWN RS	Don Statter
CHECKED	DATE 2-74	DIRECTOR
PROJECT NUMBER 3-74153		SHEET 3 OF 5



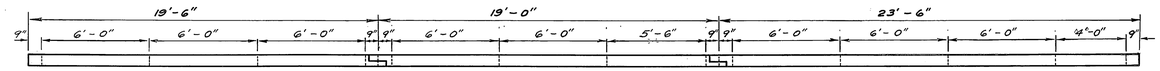
PLAN



Block out all 4 corners for water lines.

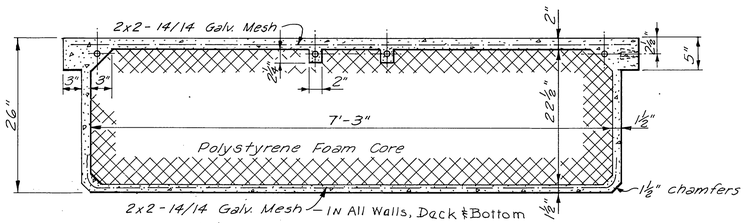


CONCRETE UNIT & WALER LAYOUT

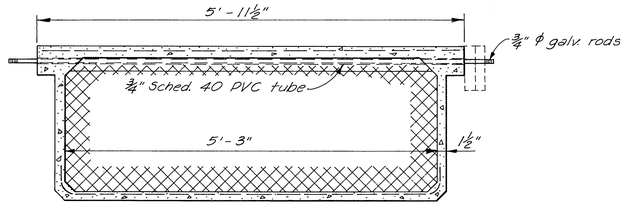


TIEDOWN RAIL LAYOUT
(Typ. for both sides)

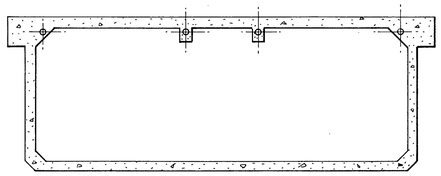
6'x 62' STALL FLOAT ASSEMBLY
1/4" = 1'-0"



SECTION A-A



SECTION B-B

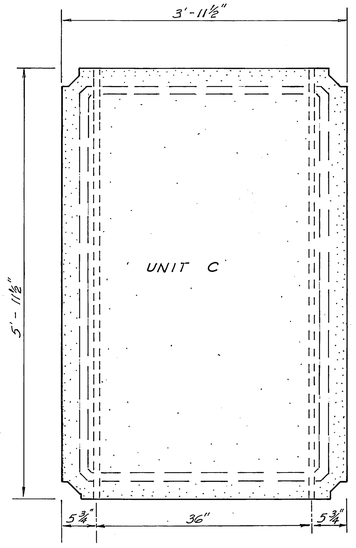


ALT. SECTION B-B
(8'-WIDE FLOAT)

6'x 8' FLOAT
1" = 1'-0"

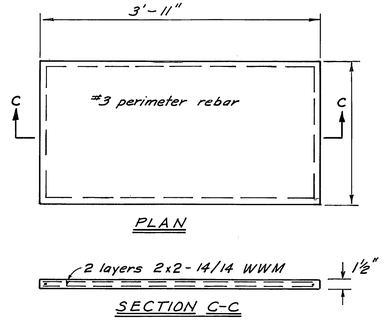
NOTES

1. Float units to be cast of lightweight concrete 100#/ft³ max. w/ min comp. strength 3000 psi @ 7 days.
2. Inner core to be 1.1 #/ft.³ polystyrene foam per ASTM designation D-1621-59T
3. Portland cement shall comply with ASTM des. C-150 for Type III.
4. Expanded shale shall comply with ASTM des. C-330.
5. Galv. wire mesh shall comply with ASTM des. A-185.
6. Unit A is same same as unit B w/o inserts.



PLAN

4'x 6' FLOAT UNIT
1" = 1'-0"



PLAN

SECTION C-C

CONC. SLAB ~ PILE COLLAR WELDMENT
1" = 1'-0"

NOTES

1. Timber walers to be 3x8, S4S, select structural grade Douglas Fir, pressure treated w/ pentachlorophenol to 0.6 #/C.F. ret. & predrilled for thru-rods. Butt joints to be made @ center of float units.
2. Bumper strips & Tie-down rails to be No.1 & Dense No.1 grade, respectively, Doug. Fir, pressure treated as above & predrilled as detailed. Bumper strips may be random lgths.
3. Framing & predrilling to be completed prior to pressure treatment.

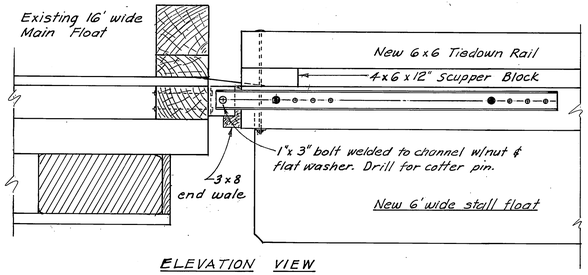
DO NOT SCALE THIS DRAWING – USE DIMENSIONS

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

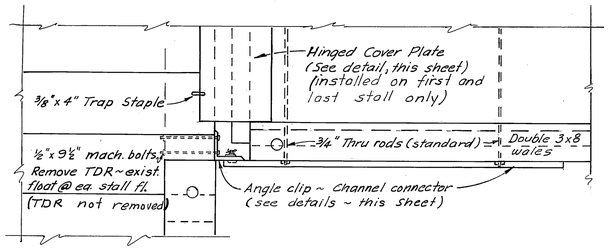
KETCHIKAN BAR HARBOR FACILITIES

CONCRETE FLOAT STANDARD DET'LS.

SCALE AS SHOWN	SURVEYED DCW	APPROVED
DESIGNED	DRAWN DCW	DON STATTER, DIRECTOR
CHECKED DS-DM	DATE FEB. 28, 1974	
PROJECT NUMBER 3-74153	SHEET 4 OF 5	



ELEVATION VIEW



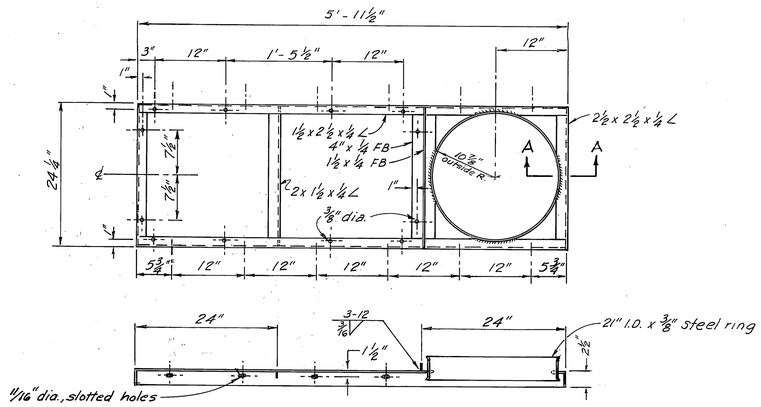
PLAN VIEW

STALL FLOAT to FINGER FLOAT CONNECTION

Scale: 1"= 1'-0"

CHANNEL CONNECTOR

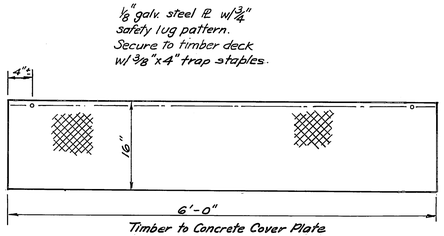
scale: 1½"= 1'-0"



All mat'l mild steel. Hot dip galvanize after fabrication.

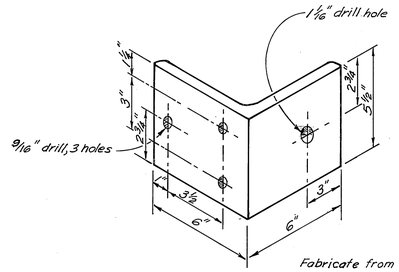
PILE COLLAR WELDMENT DET'L.

SCALE: 1"= 1'-0"



COVER PLATE DETAILS

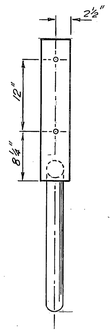
Scale: 1"= 1'-0"

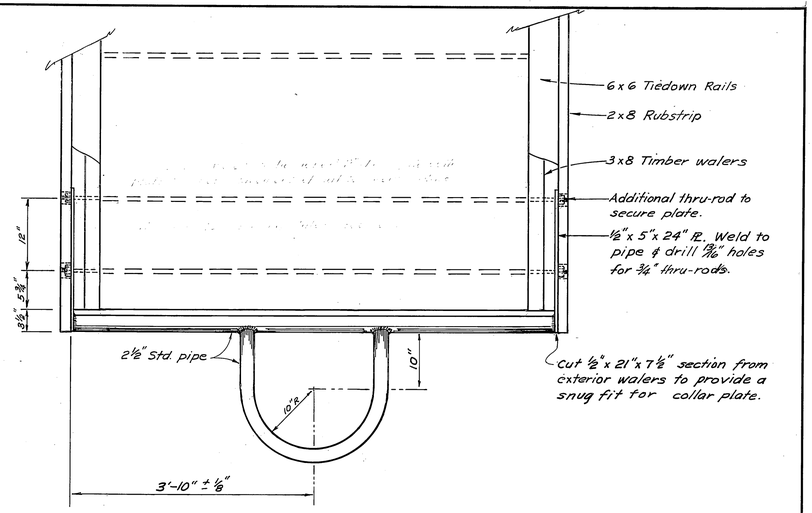


Fabricate from 5/8" x 6" standard equal leg angle.

ANGLE CLIP DETAILS

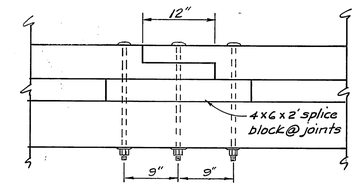
Scale 3"= 1'-0"



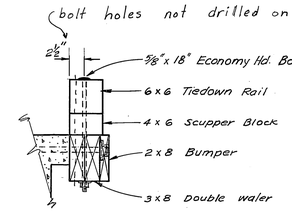


END PILE COLLAR - 6' STALL FLOAT

Scale: 1"= 1'-0"

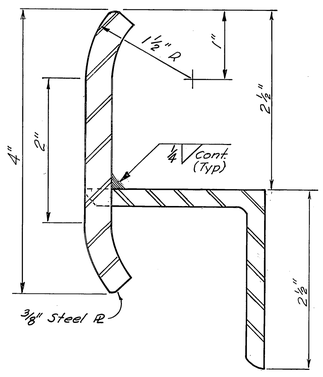


SPLICE DETAILS



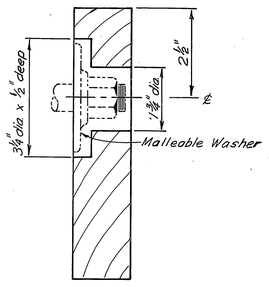
TIE - DOWN RAIL DETAILS

1"= 1'-0"



SECTION A-A

FULL SIZE



2 x 8 BUMPER MEMBER

one-half size

DO NOT SCALE THIS DRAWING – USE DIMENSIONS

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

KETCHIKAN BAR HARBOR FACILITIES

STALL FLOAT CONSTRUCTION DET'LS

SCALE AS SHOWN	SURVEYED DCW	APPROVED
DESIGNED	DRAWN DCW	DON STATTER, DIRECTOR
CHECKED	DATE 2-20-74	
PROJECT NUMBER 3-74153	SHEET 5 OF 5	