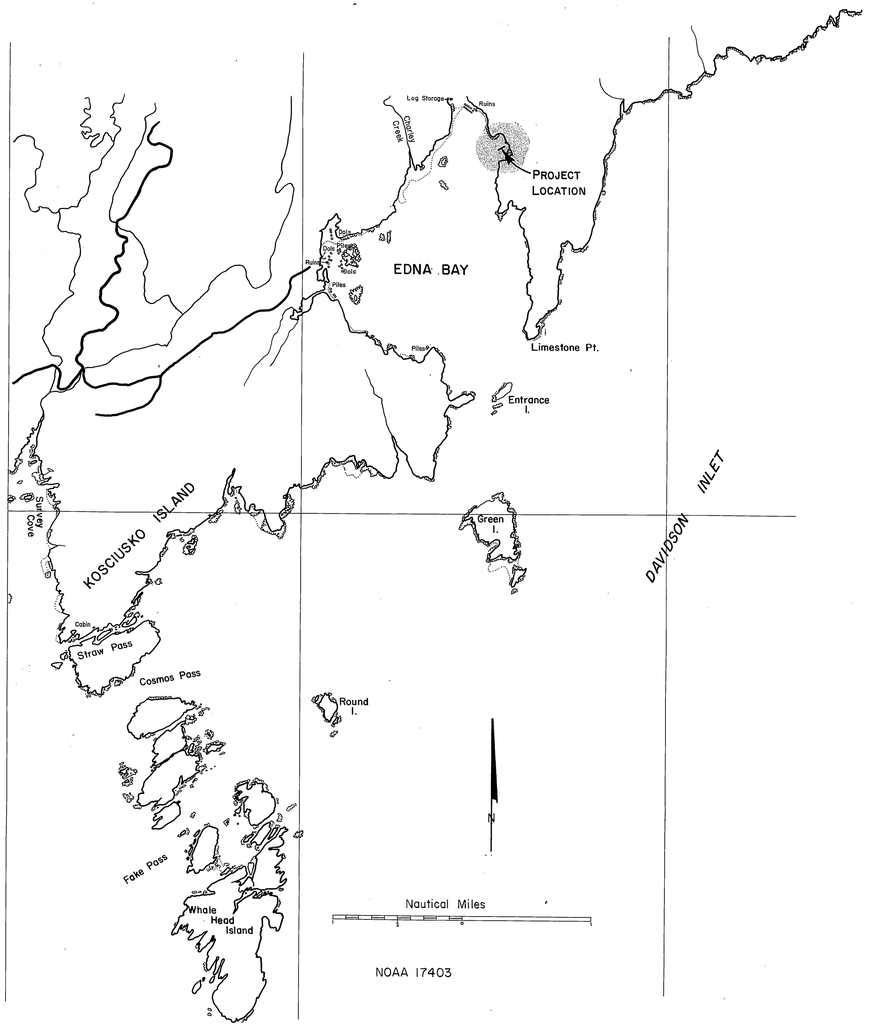
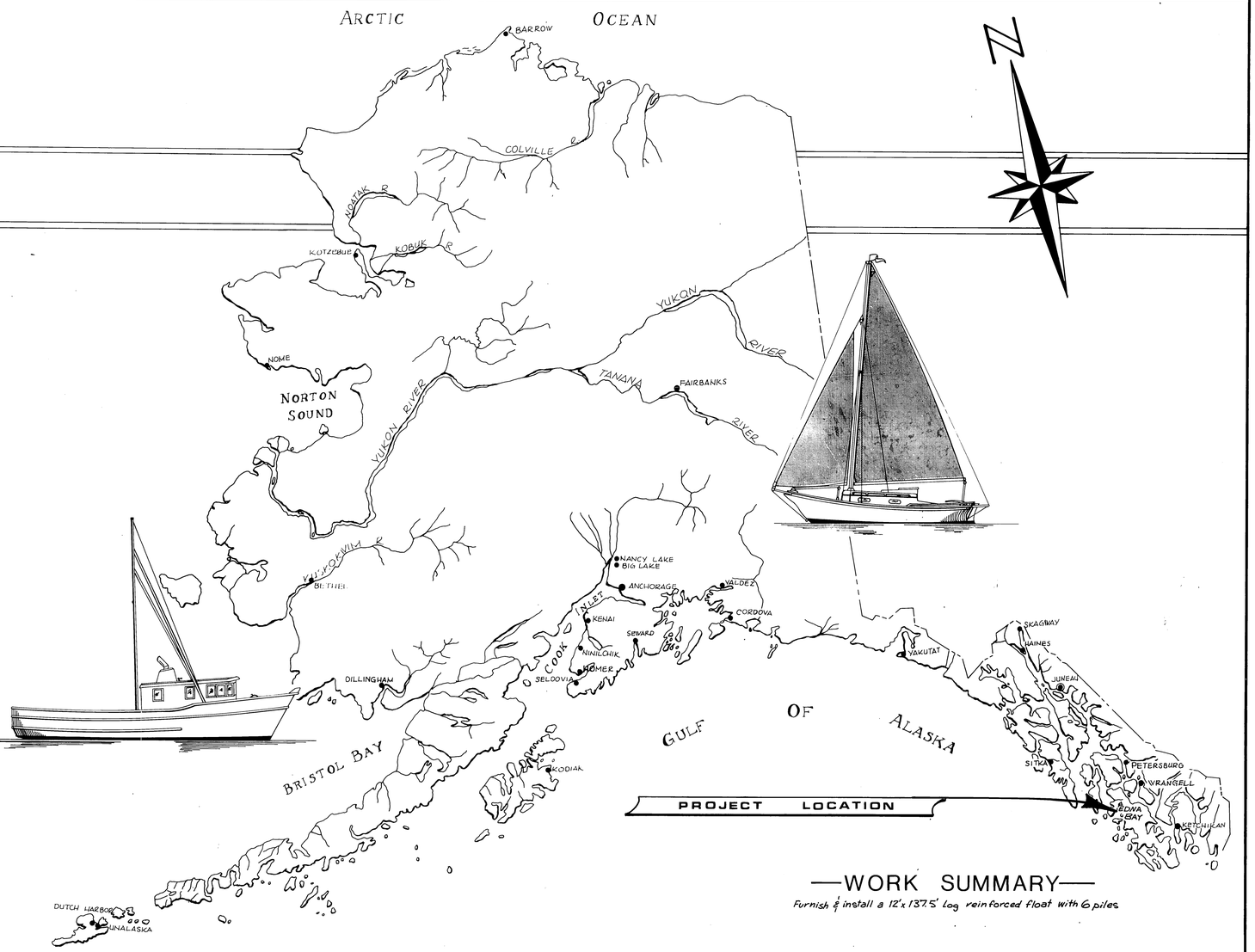
EDNA BAY FLOAT
PROJECT NO. K31041





—WORK SUMMARY—

Furnish & install a 12'x 137.5' Log reinforced float with 6 piles

AS BUILT
Start : April 22, 1985
Stop : May 19, 1985
Contractor : Artic Marine Constructors
Project Engineer : Mark Halvorsen
Date : July 19, 1985

Added to mylar 7-29-85 DJM.

INDEX TO SHEETS

STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES

S.E. REGION

DESIGN & CONSTRUCTION

APPROVED

DIRECTOR S.E. D. &C. — 11-5-84 DATE

RECOMMEND FOR APPROVAL: GROUP DESIGN CHIEF — 11/5/84 DATE

SHEET 1 OF 4

103,500 × 99,500

Float was moved out 6' at designs request to allow addt'l. room inside for stall floats - wanted 10' but water depth wouldn't allow it - water actually deeper than shown - See pile records.

+4.6 Rock

12.4' × 25' Steel pile spacing

12' × 131.5' Log reinforced float

Actual pile locations.

N 30°00'E. Edge of float

S 73°15'00"W 243.0'

A.S.L.S. Meander Line

1½" Aluminum Cap on 5/8" rebar

N 12°15'54"W Basis of bearing

Mon. 18

3¼" Aluminum Cap, Grouted in rock, typ.; Elev.± 11.35 MLLW, use as basis of elevation.

Edge of Trees

Existing Gravel Road

LOT 1

S 77°45'00"W 361.68'

A.S.L.S. R.O.W.

S 77°45'00"W 361.70'

100'

Mon 19

Log wall

Log Dump site

Sect. 22

Sect. 23

Easement

100'

N

TIDAL INFORMATION

EHW	15.0
MHHW	10.8
MHW	10.0
MTL	5.7
MLLW	0.0
ELW	-4.0

STAMP

STATE OF ALASKA 49th

Jack Daniel Beedle CE - 5309

REGISTERED PROFESSIONAL ENGINEER

11/9/84

DO NOT SCALE THIS DRAWING — USE DIMENSIONS

STATE OF ALASKA

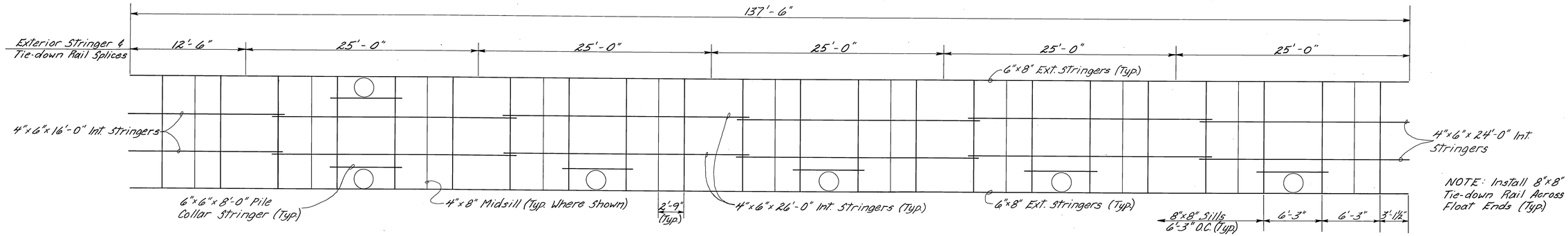
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

EDNA BAY ALASKA

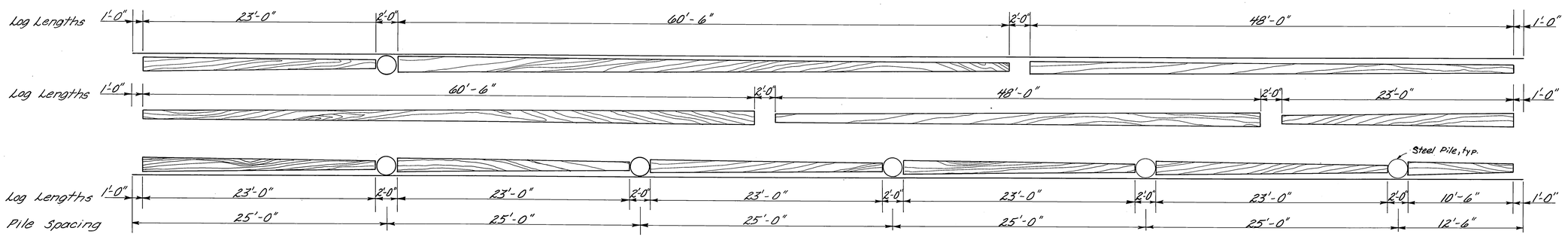
PROJECT LAYOUT

Scale: 1" = 50'

DESIGNED JDB	CHECKED	DRAWN TS	DATE 5/84
PROJECT NUMBER K31041		SHEET 2 OF 4	

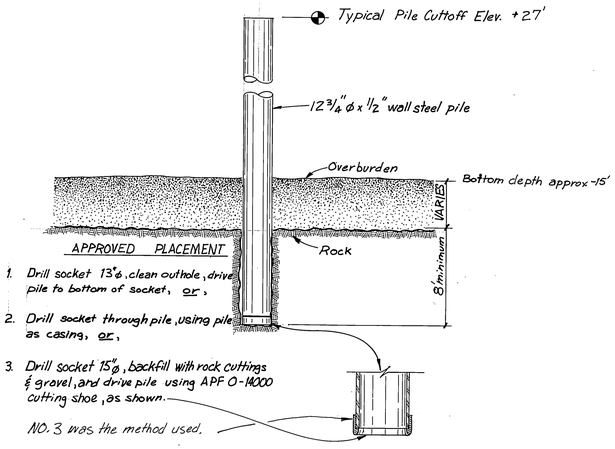


SILL & STRINGER LAYOUT
3/16" = 1'-0"



NOTE: Float Logs Shall Have a Min. Tip Circumference of 31½" (10" Dia.) & a Max. Butt Circumference of 50" (16" Dia.)

LOG LAYOUT
3/16" = 1'-0"



STEEL PILE SOCKET DETAIL
N.T.S.

PILE DRIVING REQUIREMENTS

A: GENERAL

1. Depth of overburden is unknown.
2. Adjacent uplands has been used as a log transfer site. Therefore upper 1'± may be wood waste or bark.
3. Adjacent uplands have many rock outcroppings, predominently of limestone.

B: PILES

1. All piles to have cutting shoes. (APF O-14000 or equal.)
2. Piles to be of sufficient length to allow 15' of penetration. Estimated length is 58' (+27' to -30', +1' cutoff allowance).
3. Piles to be driven to 15' penetration or 8' of drilled rock socket.
4. If piling can be driven without socketing then no payment will be made for drilled pile socket. The desired penetration is 15', but Engineer may accept at a lesser penetration after evaluating lateral support. If after 15' of penetration lateral support is inadequate, pile shall be driven until cutoff elevation is +20' or if available more pile may be spliced on.
5. If socketing is required, due to inadequate penetration or lack of lateral support, the socket depth shall be 8'. Engineer may accept at a lesser depth after evaluating field conditions and lateral support.
6. Pile socket payment will be made in full for each socket drilled, when requested by the Engineer, regardless of accepted depth.

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STATE OF ALASKA 49th
Jack Daniel Beedle CE - 5309
REGISTERED PROFESSIONAL ENGINEER
11/4/84

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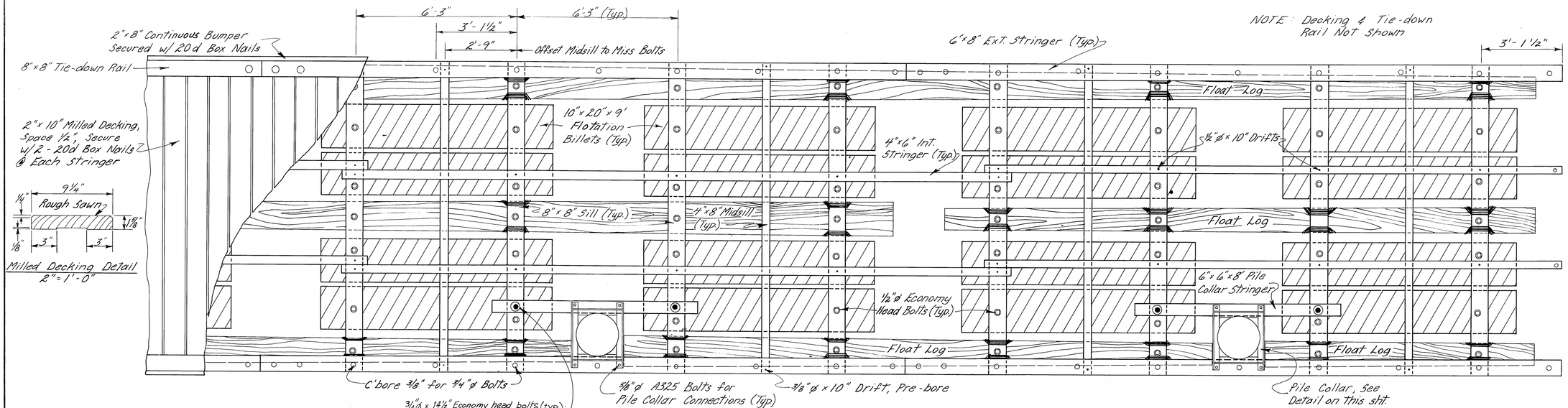
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

Edna Bay, Alaska

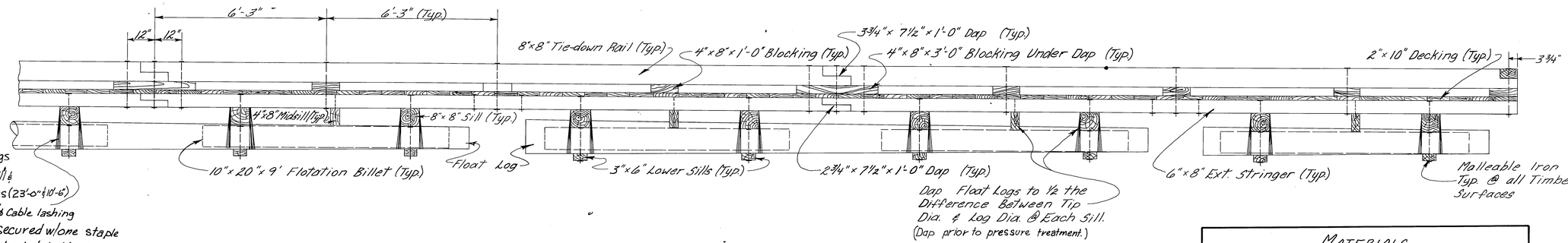
SILL, STRINGER, LOG LAYOUT & PILE SOCKET DETAIL

DESIGNED JDB	CHECKED	DRAWN JEM	DATE 5/84
PROJECT NUMBER K31041		SHEET 3 OF 4	

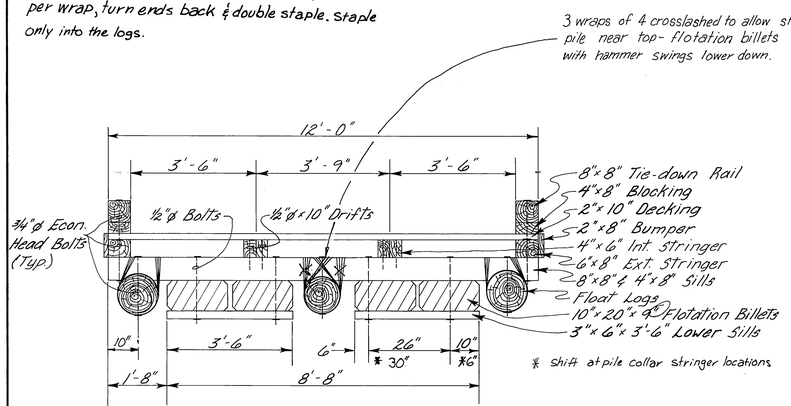
53271



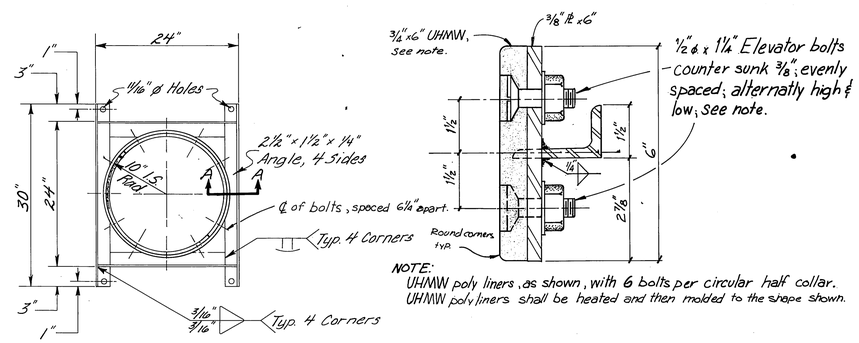
PLAN
1/2"=1'-0"



ELEVATION
1/2"=1'-0"



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



INTERNAL PILE COLLAR DETAIL

MATERIALS		
ITEM	DRESSING	TREATMENT
8"x8" Tie-down Rails	S4S	0.6 Lb. Penta
4"x8" Blocking	S4S	" " "
2"x10" Decking	Milled S1S2E	" " "
2"x8" Bumpers	S4S	" " "
6"x8" Exterior Stringers	S4S	12 Lb. Creosote
4"x6" Interior Stringers	S4S	" " "
6"x6" Collar Stringers	S4S	" " "
8"x8" & 4"x8" Sills	S4S	" " "
3"x6" Lower Sills	S4S	" " "
Float Logs	A.S.T.M. D25	17 Lb. Creosote

As built 8-85

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STATE OF ALASKA * 49th * Jack Daniel Beedle CE-5309 REGISTERED PROFESSIONAL ENGINEER

11/1/84

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

EDNA BAY ALASKA

12' LOG REINFORCED FLOAT

DESIGNED	J.D.B.	CHECKED		DRAWN	JPM
DATE	5/84				
PROJECT NUMBER	K31041			SHEET	4 OF 4