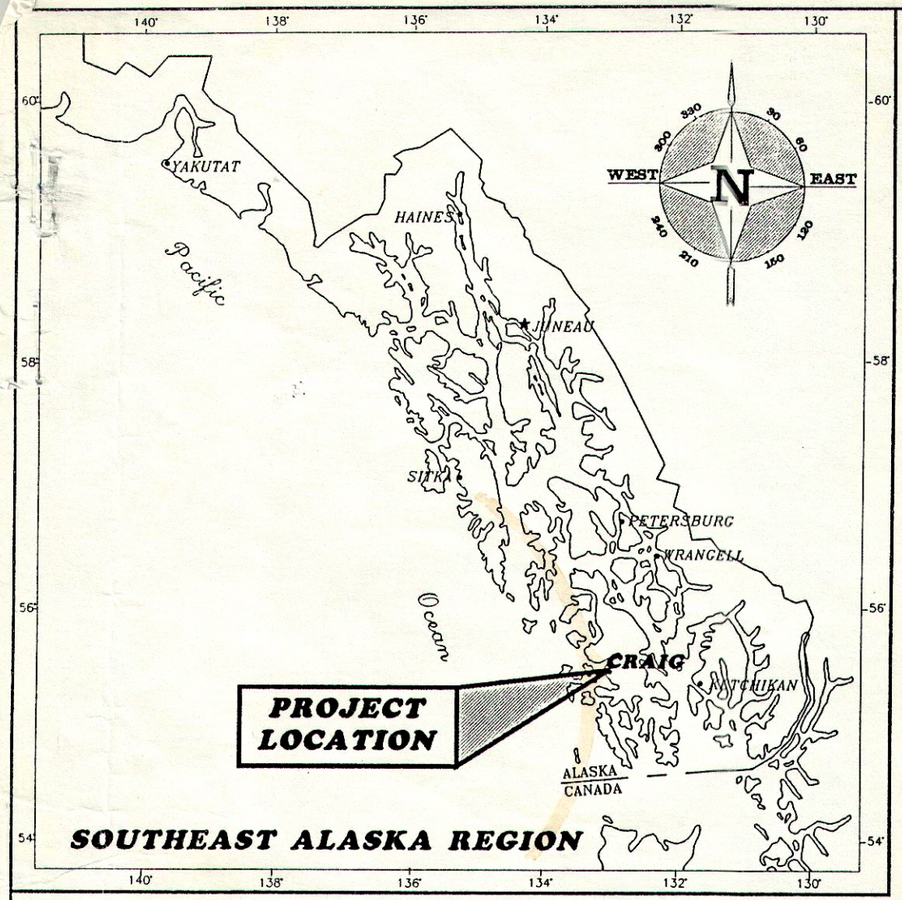
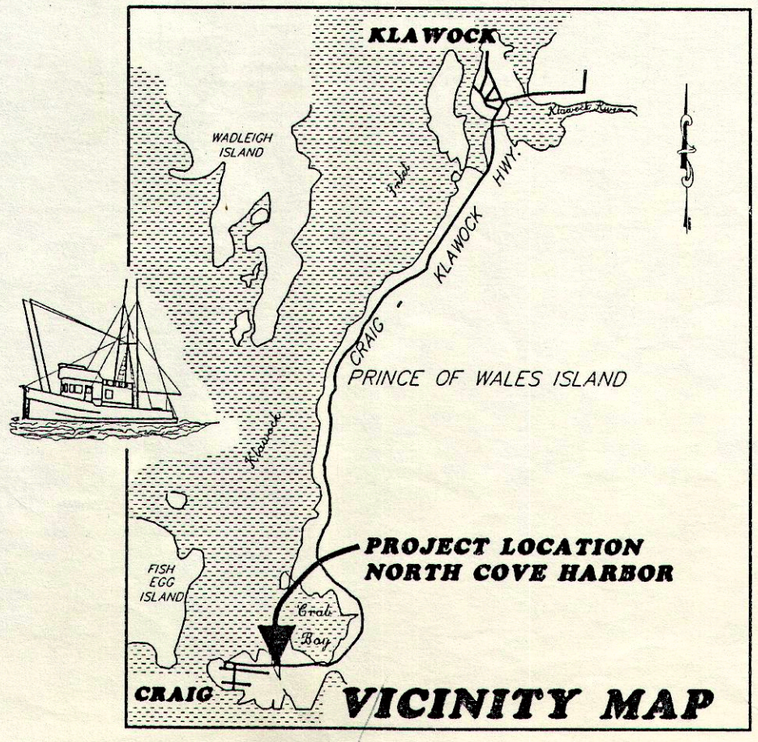


DESIGNED BY
THE STATE OF ALASKA
D.O.T./P.F. – S.E. REGION
FOR
THE CITY OF CRAIG, ALASKA

CITY OF CRAIG ALASKA

CRAIG NORTH COVE HARBOR EXPANSION

PROJECT NO. 70649
E.D.A. PROJ. NO. 07-01-03302



INDEX OF SHEETS

PROJECT NUMBER: 70649
DATE: JULY 1992
SHEET 1 OF 22

ENGINEER'S SEAL
STATE OF ALASKA
49th
D. DOERR

ESTIMATE OF QUANTITIES

ITEM NO.	PAY ITEM	UNIT	QUANT.
110(1)	MOBILIZATION & DEMOBILIZATION	L.S.	ALL REQ'D.
112(1)	CONSTRUCTION SURVEYING BY THE CONTRACTOR	L.S.	ALL REQ'D.
		L.F.	
301(1)	FURNISH 12 3/4" DIA. X 3/8" STEEL PILES		5,055
301(2)	DRIVE PILES	EA.	65.00
306(1)	12' X 130' TIMBER APPROACH	L.S.	ALL REQ'D.
311(1A)	10' X 575' TIMBER MAIN FLOAT	L.S.	ALL REQ'D.
311(1B)	10' X 125' TIMBER FINGER FLOAT	L.S.	ALL REQ'D.
311(1C)	10' X 100' TIMBER FINGER FLOAT	L.S.	ALL REQ'D.
311(1D)	10' X 75' TIMBER FINGER FLOAT	L.S.	ALL REQ'D.
311(2)	6' X 50' STALL FLOAT	EA.	11.00
311(3)	3'-2 1/2" X 40' STALL FLOAT	EA.	6.00
311(4)	RECONSTRUCT EXIST. FLOAT	L.S.	ALL REQ'D.
311(5)	RELOCATE EXIST. 12' X 300' LOG FLOAT	L.S.	ALL REQ'D.
			ALL REQ'D.
402((1)	WATER SYSTEM	L.S.	
402(2)	HOSE BIB ASSEMBLY	EA.	14
660(1)	ELECTRICAL LIGHTING AND THAW WIRE SYSTEM	L.S.	ALL REQ'D.

DELETIVE ALTERNATE NO. 1

ITEM NO.	PAY ITEM	UNIT	QUANT.
660(2)	DELETE LIGHTING AND THAW WIRE FEED SYSTEM	L.S.	ALL REQ'D.

PILING SUMMARY

PILE NO.	PENETRATION *	ORIG. GRND. ELEVATION	PILE CUTOFF ELEVATION	PILE LENGTH **
1	40'	-18	+32	90'
2	40'	-19	+32	91'
3	40'	-19	+32	91'
4	40'	-20	+32	92'
5	35'	-21	+32	88'
6	40'	-21	+32	93'
7	40'	-22	+32	94'
8	40'	-23	+32	95'
9	40'	-24	+32	96'
10	40'	-25	+32	97'
11	30'	-26	+32	88'
12	30'	-26	+32	88'
13	30'	-26	+32	88'
14	35'	-27	+32	94'
15	40'	-27	+32	99'
16	40'	-28	+32	100'
17	40'	-28	+32	100'
18	40'	-28	+32	100'
19	40'	-28	+32	100'
20	40'	-28	+32	100'
21	40'	-30	+32	102'
22	40'	-31	+32	103'
23	40'	-32	+32	104'
24	35'	-20	+32	87'
25	30'	-18	+32	80'
26	35'	-21	+32	88'
27	35'	-19	+32	86'
28	40'	-23	+32	95'
29	40'	-20	+32	92'
30	35'	-17	+32	84'
31	30'	-22	+32	84'
32	40'	-19	+32	91'
33	30'	-27	+32	89'
34	35'	-23	+32	90'
35	35'	-24	+32	91'
36	30'	-26	+32	88'
37	30'	-27	+32	89'
38	20'	-24	+32	76'
39	20'	-19	+32	71'
40	40'	-21	+32	93'
41	35'	-22	+32	89'
42	25'	-22	+32	79'
43	20'	-19	+32	71'
44	25'	-26	+32	83'
45	20'	-24	+32	76'
46	20'	-24	+32	76'
47	20'	-24	+32	76'
48	20'	-24	+32	76'
49	20'	-22	+32	74'
50	25'	-23	+32	80'
51	25'	-25	+32	82'
52	35'	-28	+32	95'
53	35'	-30	+32	97'
54	40'	-31	+32	103'
55	40'	-32	+32	104'
56	35'	-26	+32	93'
57	35'	-26	+32	93'
58	25'	-19	+32	76'
59	25'	-19	+32	76'
60	25'	-21	+32	78'
61	35'	-28	+32	95'
62	40'	-32	+32	104'
63	40'	-33	+32	105'
64	35'	-30	+32	97'
65	25'	-25	+32	82'
		TOTAL =		5827'
	*** REUSABLE EXIST. PILING =			772'
	NET TOTAL =			5055'

GENERAL NOTES

1. ALL STEEL HARDWARE SHALL BE HOT DIP GALVANIZED UNLESS OTHERWISE NOTED ON THE PLANS.
2. ALL BOLTS IN CONTACT WITH WOOD SURFACE SHALL HAVE ECONOMY HEAD BOLTS. A MALLEABLE IRON WASHER SHALL BE PLACED BETWEEN ALL NUTS AND WOOD SURFACES.
3. COUNTERSINK ALL BOLT HEADS FACING DECKING
4. ALL TIMBER SHALL BE S4S EXCEPT FOR DECKING (MILLED S1S2E) & SIDING(RESAWN).
5. ALL FINGER FLOATS SHALL BE ATTACHED PERPENDICULAR TO THE MAIN FLOAT.
6. SEE SHEET 4 FOR THE NUMBERING SYSTEM OF STEEL PILING.
7. SEE SPECIAL PROVISION FOR CONSTRUCTION RESTRICTION AS STATED IN THE ISSUED PERMITS.
8. CONTRACTOR'S OPERATION SHALL NOT CONFLICT WITH BOAT TRAFFIC TO EXISTING FACILITY. BOAT ACCESS TO FLOAT FACILITY SHALL REMAIN ACCESSIBLE AT ALL TIMES.

LEGEND

D-3 / 3 — DETAIL NUMBER / PLAN SHEET NUMBER

S-3 / 8 — SECTION NUMBER / PLAN SHEET NUMBER

*PENETRATION IS APPROXIMATE, MAY VARY FROM A MINIMUM OF 20' TO A MAXIMUM OF 40'

**PILE LENGTHS ARE APPROXIMATE, ONLY FOR ESTIMATING PURPOSES.

***10 PILINGS TO BE REMOVED AND SALVAGED, TOTAL 772 FEET.

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

STATE OF ALASKA 49th D. DOERFLINGER CE-7567 PROFESSIONAL ENGINEER

BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

CRAIG ALASKA

ESTIMATE OF QUANTITIES

DESIGNED BY: D. SALDIVAR	PROJECT NO. 70469
DRAWN BY: AUTOCADD/CSA	DATE: JULY 1992
CHECKED BY: D. DOERFLINGER	SHEET 2 OF 22

P:\CRAIG\DR\EST 1=1

Basis of Control

The basis of Horizontal Control is the control point CS-8 to CS-9 with a bearing of N 11°30'59" E and a distance of 305.641'. The coordinates are listed as shown.
The basis of Vertical Control is the control point CS-8 with an elevation of +10.63 above MLLW.

CS-9 #5 Rebar w/DOT&PF Plastic Cap
N 32,330.4977
E 94,910.6562
ELEV. 10.01

CS-8 #5 Rebar w/DOT&PF Plastic Cap
N 32,031.0100
E 94,849.6349
ELEV. 10.63

TIDAL DATA	
EHW	14.0
EHT	12.8
MHHW	10.0
MHW	9.2
MTL	5.3
MLLW	0
ELW	-4.0

STATION "O" 10+00
N 31,321.8638
E 94,431.8834

BEGIN TIMBER APPROACH STATION "A" 10+00
N 31,482.1001
E 94,360.3493

Craig Fisheries, Inc.
MHW
WD FND REBAR
EXIST. RIP RAP
N 11°30'59" E
~ 305.641'
TRACT L
ATS 749
ATS 788
To Klawock
EDGE GRAVEL
EDGE ROAD
Existing 60' x 350' Concrete Breakwater
6 piles @ 50' c to c
Existing Log Float "G" (Relocated)
12'x300' Existing Log Float "F"
Main Float "F"
10'x575'
6 pile collars to be removed. See D-2 11
6'x50' Stall Floats, typ.
10' x 125' Finger Float "E"
205'
195'
175'
3'-2 1/2"x40' Stall Floats, typical
10' x 100' Finger Float "D"
Existing 10' x 112.5' Finger Float "C"
Existing 10' x 100' Finger Float "B"
S-1 11
S-2 11
S-3 11
S-4 11
D-1 10
Existing 12'x300' Log Float shall be relocated as shown
6'x50' Stall Floats
170'
10'x75' Finger Float "H"
23 piles @ 25' c to c
Existing 10'x325' Main Float "A"
72'-0" typ
℄ Timber Approach
Exist. 6' wide Timber Approach
Timber Approach
N 00°10'00" E
℄ Float
Exist. Gangway Float
EXISTING LAUNCH RAMP
80°56'25"
23A
EDGE OF ROAD
END TIMBER APPPROACH STATION "A" 11+30 MATCH EXISTING
℄ Splice between New and Existing Float
TRACT C-T
TRACT C
CONE STREET
0 50' 100' 150'
Scale in Feet

BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

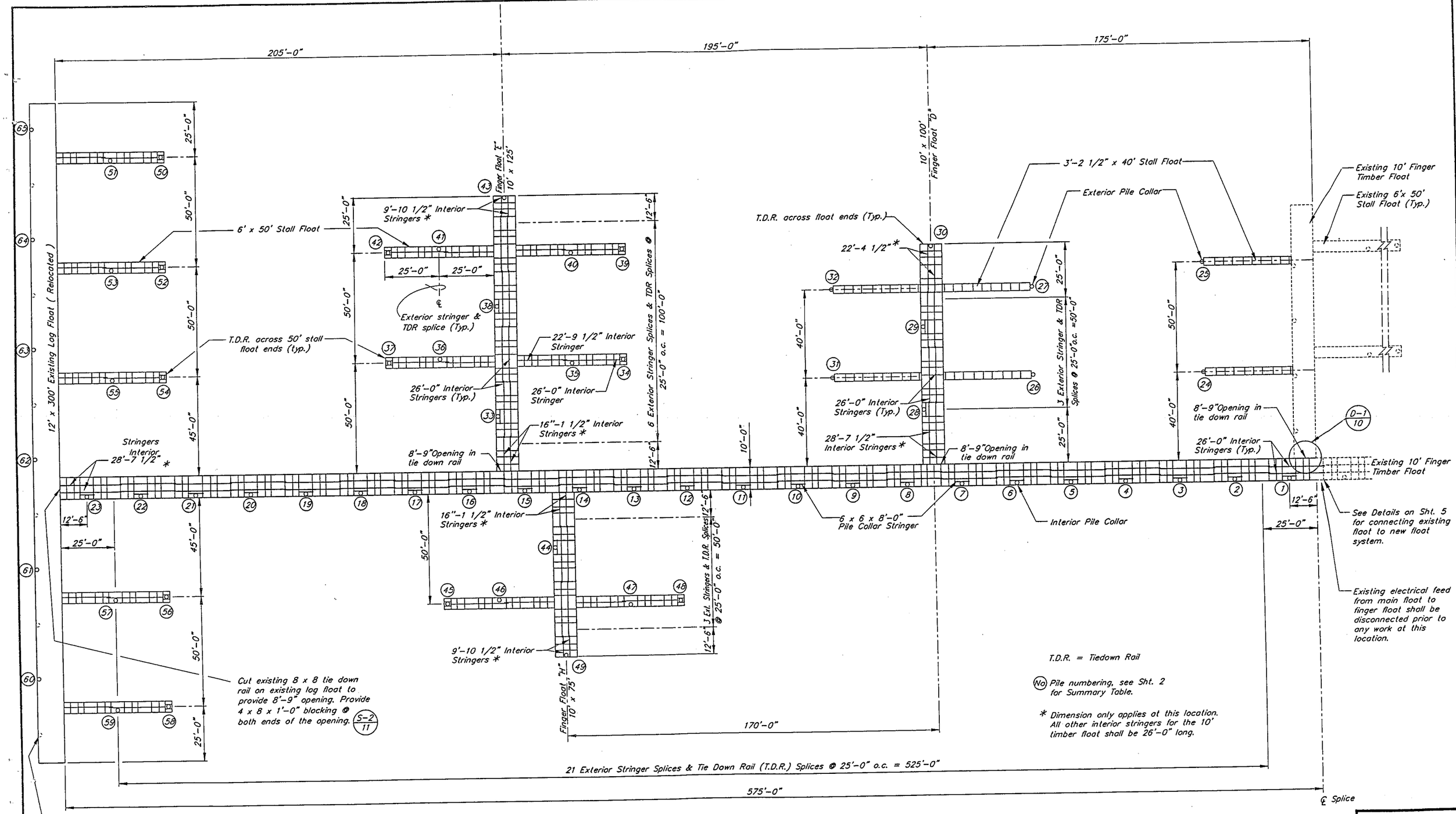
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

CRAIG ALASKA

FLOAT LAYOUT

DESIGNED BY: DDS	PROJECT No. 70649
DRAWN BY: AutoCAD / BWB	DATE: JULY 1992
CHECKED BY: DFD	SHEET 3 OF 23

ENGINEER'S SEAL
STATE OF ALASKA
49th
D. Doerfinger
CE-7567



NOTE: DO NOT SCALE FROM THESE PLANS–USE DIMENSIONS

BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

Craig Alaska

STRINGER LAYOUT

DESIGNED BY: D. SALDIVAR	PROJECT NO. 70649
DRAWN BY: AUTOCAD/R. SNYDER	DATE: JULY 1992
CHECKED BY: D. DOERFLINGER	SHEET 4 OF 22

STATE OF ALASKA 49th D. Doerflinger CE 7567 REGISTERED PROFESSIONAL ENGINEER

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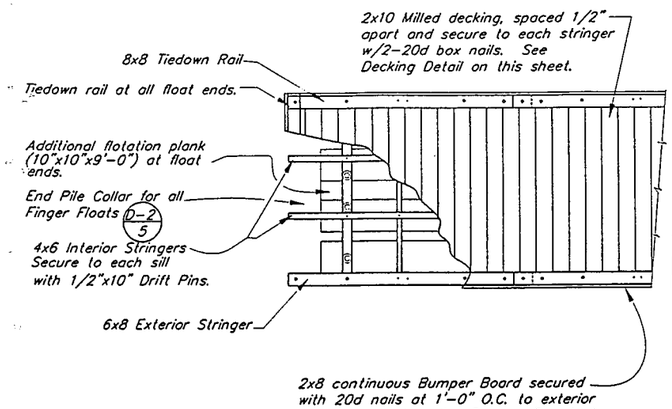
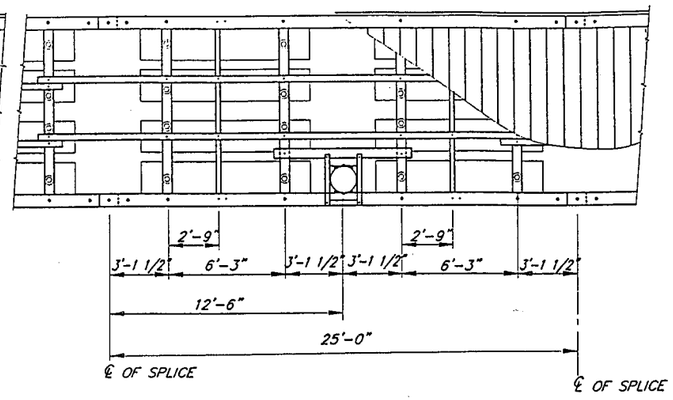
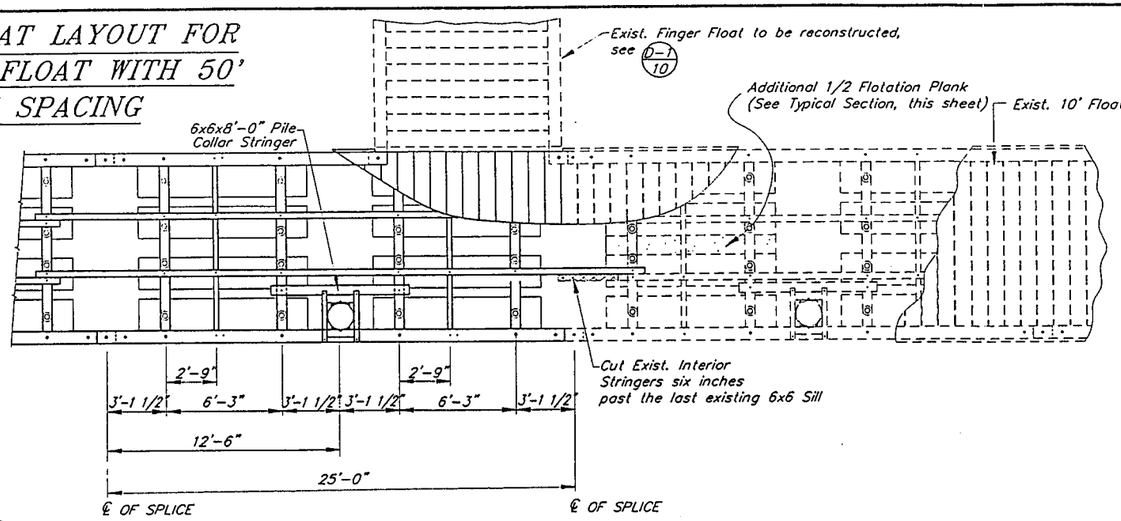
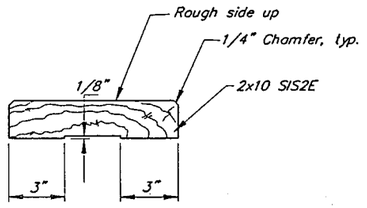
SEE FLOAT LAYOUT FOR TIMBER FLOAT WITH 50' PILE SPACING



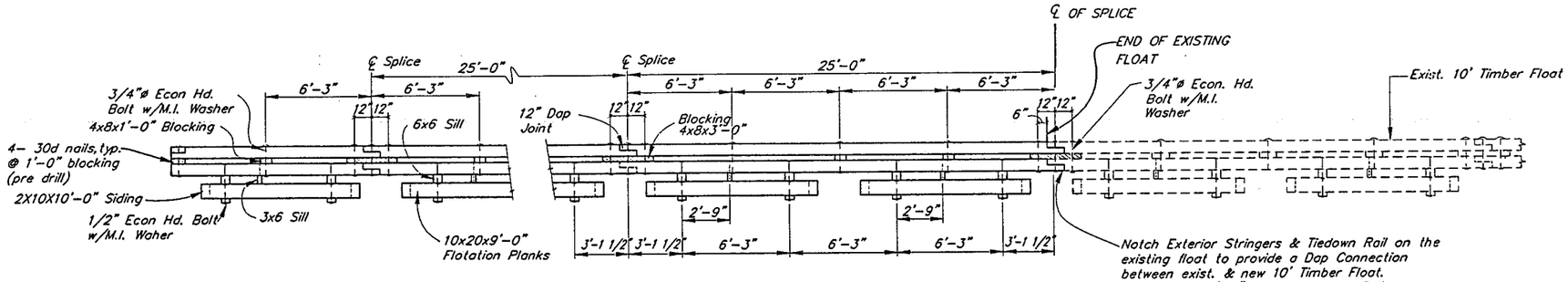




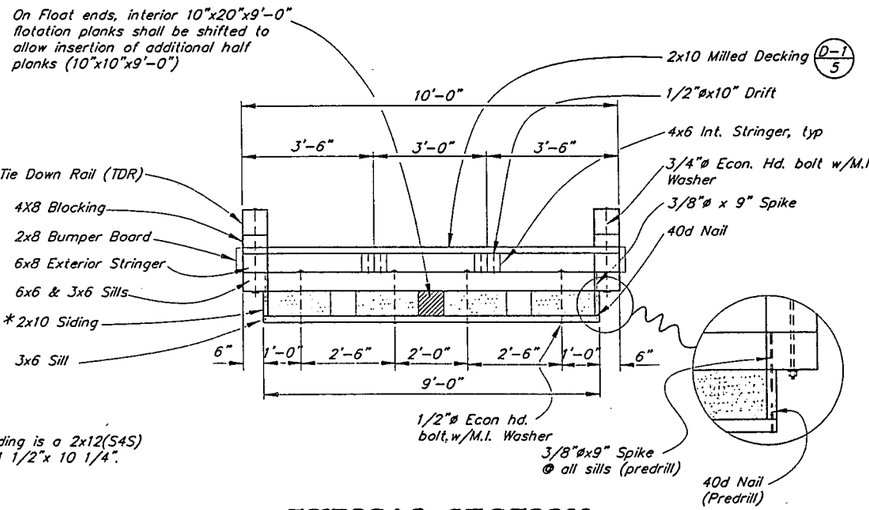
PLAN VIEW
10' Float



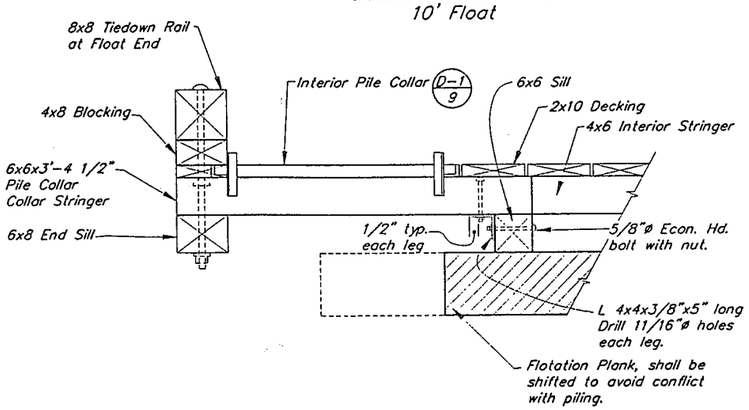
MILLED DECKING DETAIL (1)



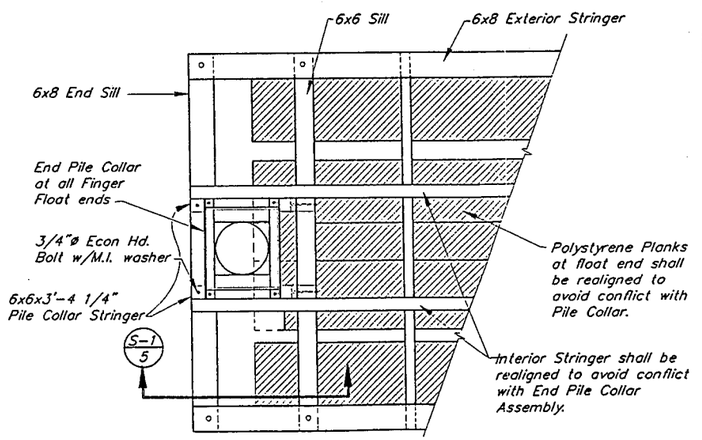
ELEVATION
10' Float



TYPICAL SECTION
10 ' FLOAT



SECTION (1)



END PILE COLLAR DETAIL (2)

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

ENGINEER'S SEAL
STATE OF ALASKA
49th
D. DOERFLINGER
CD-7567
REGISTERED PROFESSIONAL ENGINEER

BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

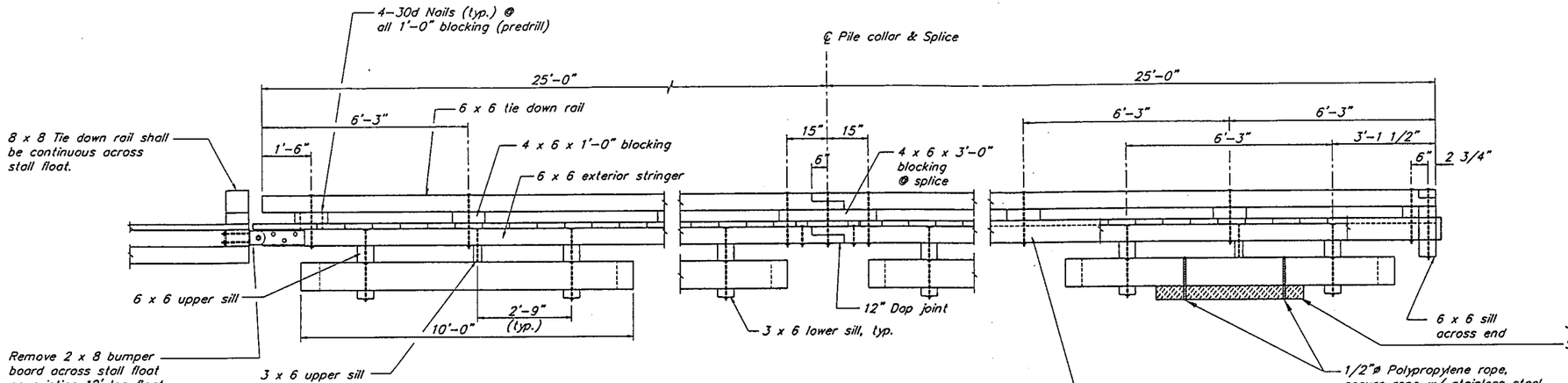
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

Craig Alaska

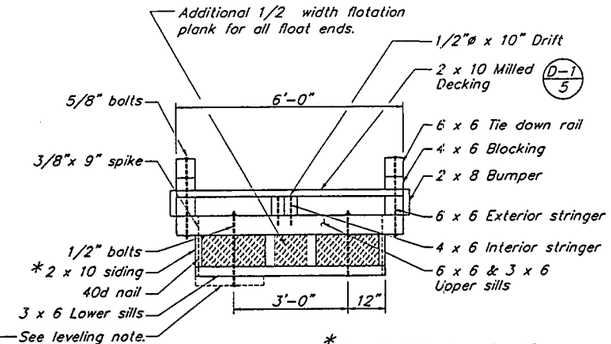
10' TIMBER FLOAT

DESIGNED BY: D. SALDIVAR	PROJECT NO. 70649
DRAWN BY: AUTOCADD / CSA	DATE: JULY 1992
CHECKED BY: D. DOERFLINGER	SHEET 5 OF 22

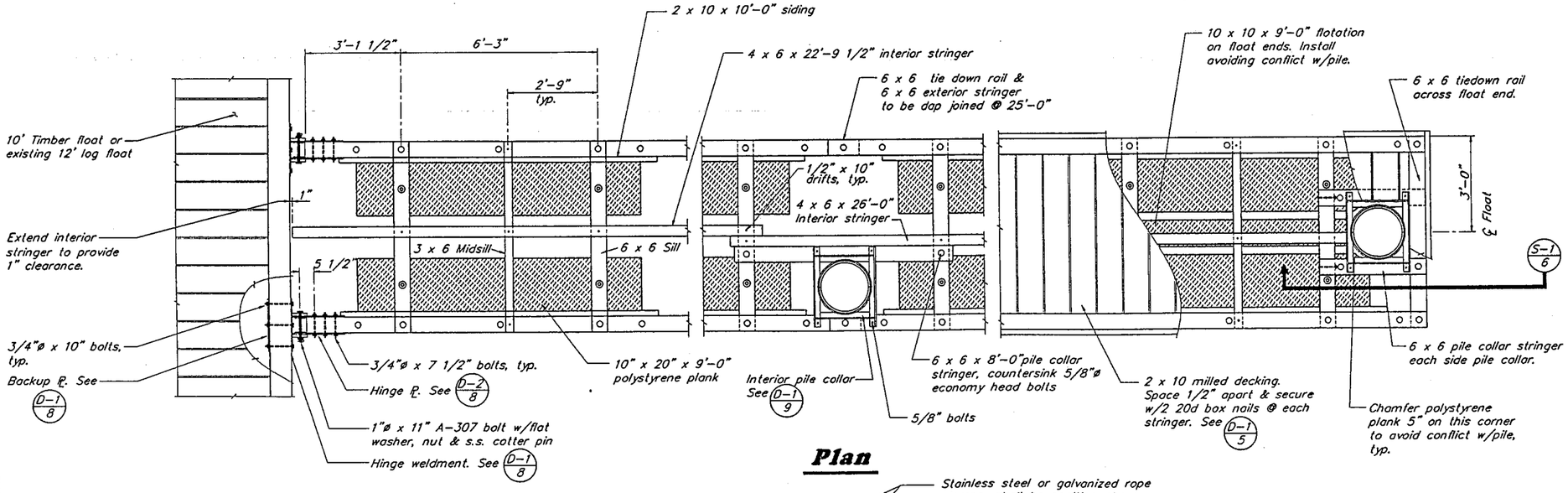
P:\CRAIG1\DR\10FLOAT 1=48



Elevation

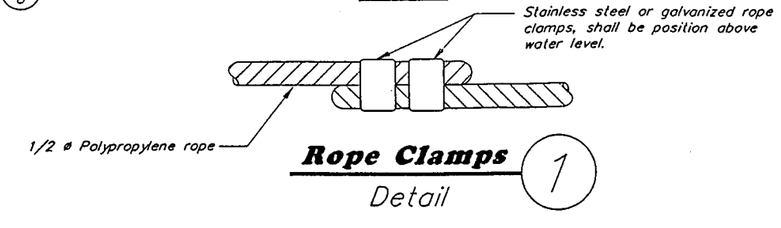


Typical Section



Plan

Section
End Pile Collar Stringer 1



Rope Clamps 1
Detail

LEVELING NOTE

For leveling, provide twenty five 5" x 20" x 4'-6" coated polystyrene planks. Where leveling is required, place leveling plank between lower sill members. Secure each leveling plank with two 1/2" polypropylene rope. Unused leveling planks shall be given to the City of Craig Harbormaster.

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

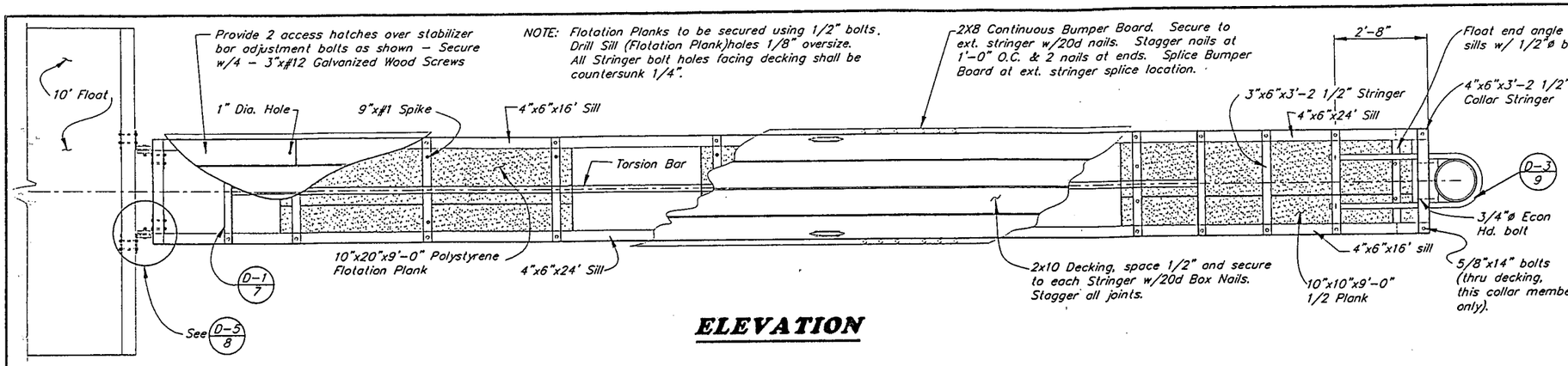
Craig Alaska

6' x 50' STALL FLOAT

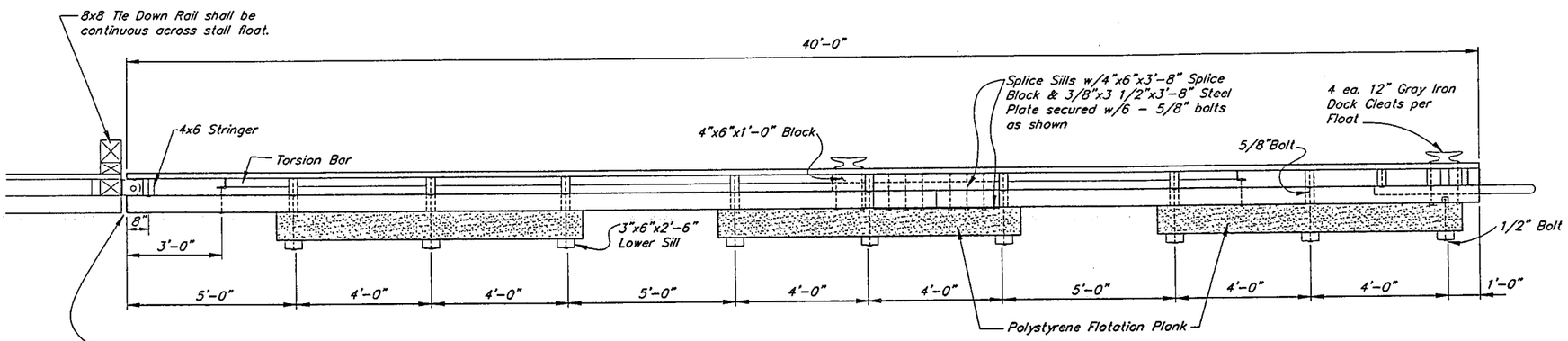
DESIGNED BY: D. SALDIVAR	PROJECT NO. 70649
DRAWN BY: AUTOCAD/R. SNYDER	DATE: JULY 1992
CHECKED BY: D. DOERFLINGER	SHEET 6 OF 22

STATE OF ALASKA 49th D. Doerflinger CE 7567 REGISTERED PROFESSIONAL ENGINEER

\CRAIG1\DR\SOFLOAT 1/2"=1'

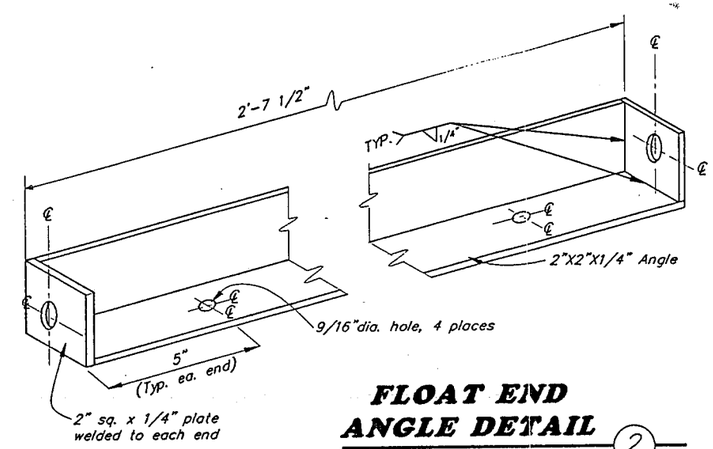


ELEVATION

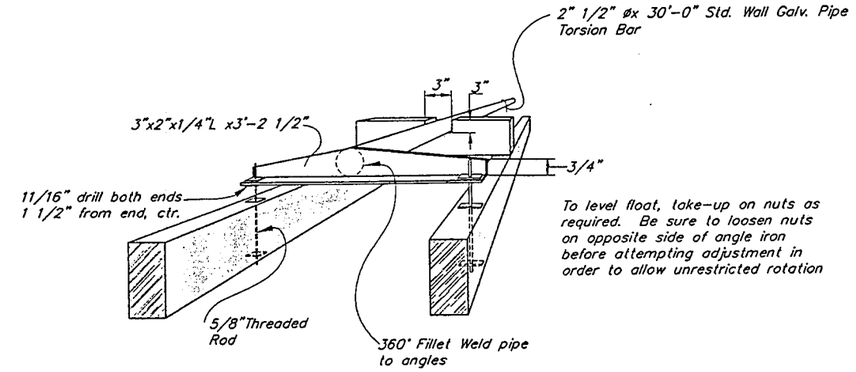


PLAN

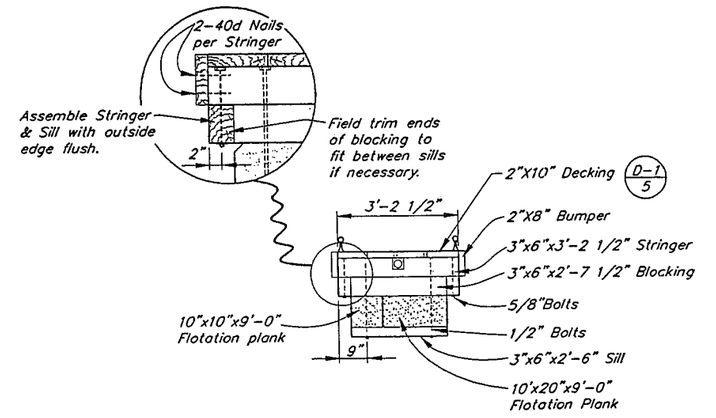
3'-2 1/2" X 40'-0" STALL FLOAT



FLOAT END ANGLE DETAIL 2



STALL FLOAT STABILIZER DETAILS 1



TYPICAL

3'-2 1/2" FLOAT SECTION

NOTE: DO NOT SCALE FROM THESE PLANS–USE DIMENSIONS

ENGINEER'S SEAL

STATE OF ALASKA 49th D. DOERFLINGER CE-7567 REGISTERED PROFESSIONAL ENGINEER

BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

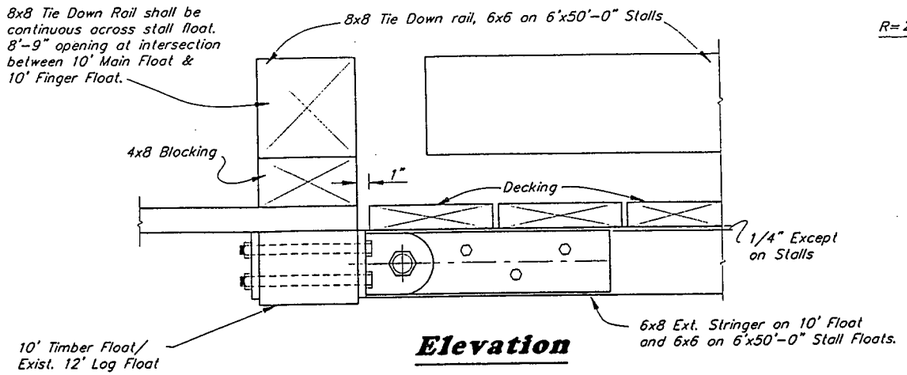
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

Craig ALASKA

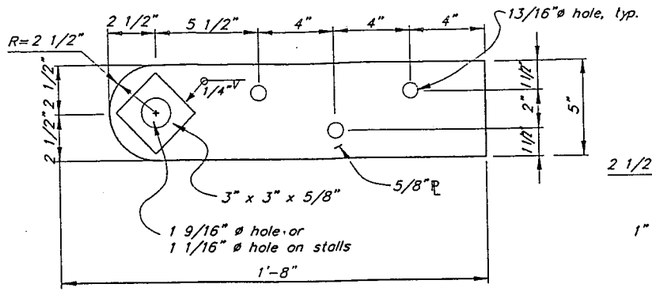
TYPICAL 3'–2 1/2" STALL FLOAT DETAILS

DESIGNED BY: D. SALDIVAR	PROJECT NO. 70469
DRAWN BY: AUTOCADD/ CSA	DATE: JUNLY 1992
CHECKED BY: D. DOERFLINGER	SHEET 7 OF 22

P:\CRAIG\DR\SFLOAT T=24

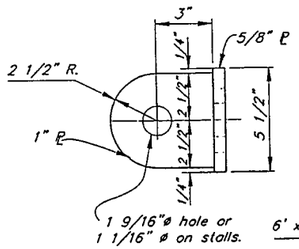


Elevation

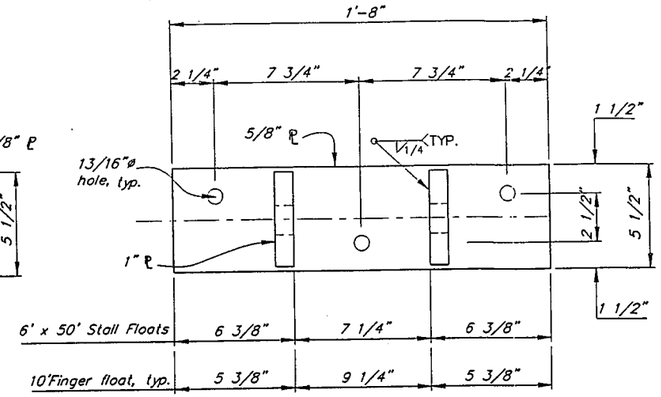


Hinge Plate Detail (2)

6' x 50' Stall Float & 10' Finger Float



Profile

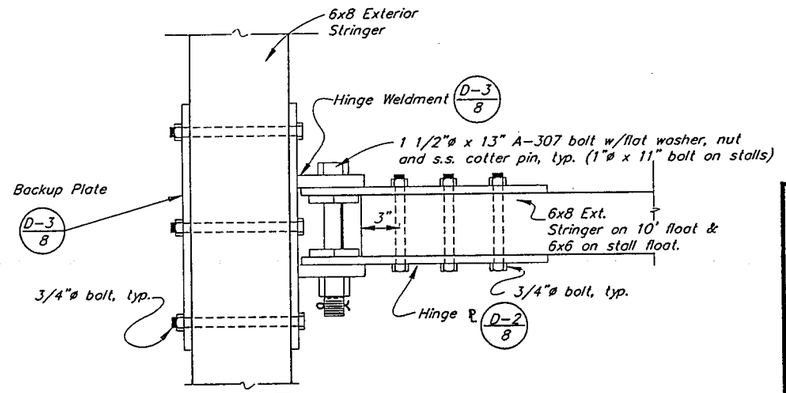


Note: Hinge Weldment shown, Backup ℄ is identical except w/o 1" plates.

Elevation

HINGE WELDMENT & BACKUP PLATE (3)

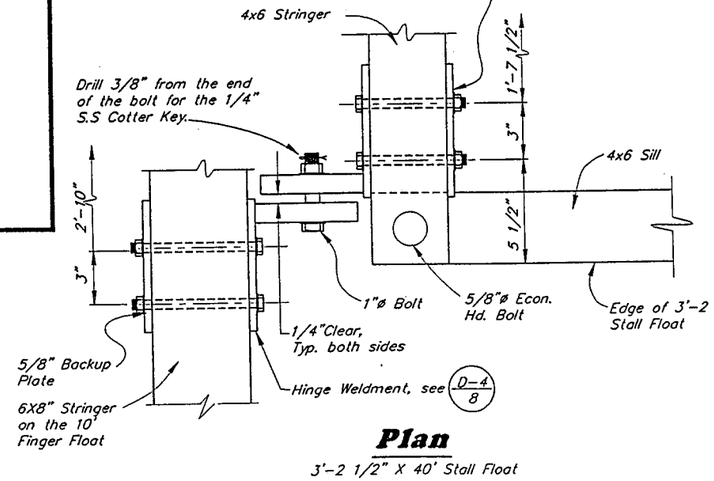
6' x 50' Stall Float & 10' Finger Float



Plan

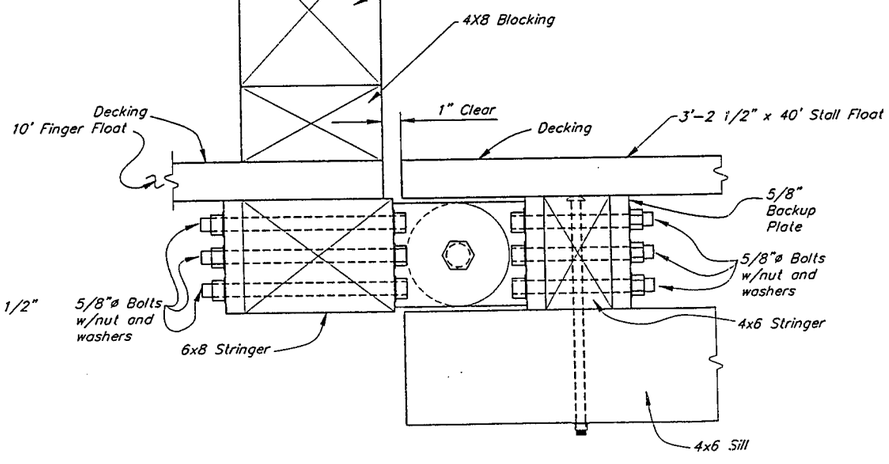
HINGE CONNECTION DETAIL (1)

6' x 50' Stall Float/10' Finger Float



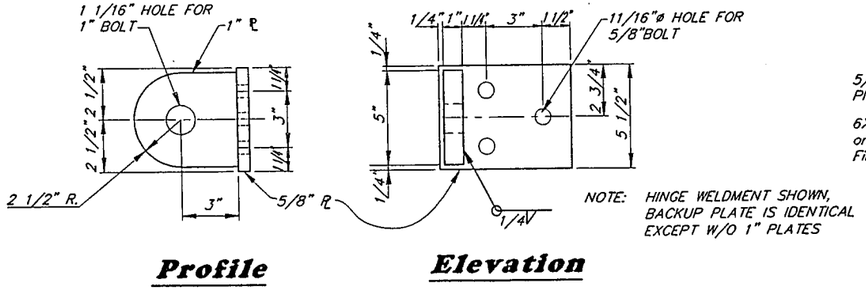
Plan

3'-2 1/2" X 40' Stall Float



Elevation

3'-2 1/2" X 40' Stall Float



NOTE: HINGE WELDMENT SHOWN, BACKUP PLATE IS IDENTICAL EXCEPT W/O 1" PLATES

Profile **Elevation**

HINGE WELDMENT & BACKUP PLATE (4)

3'-2 1/2" X 40' Stall Float

HINGE CONNECTION DETAIL (5)

3'-2 1/2" X 40' Stall Float

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

ENGINEER'S SEAL

STATE OF ALASKA 49th D. DOERFLINGER CE-7567 REGISTERED PROFESSIONAL ENGINEER

BY:	DATE:	DESCRIPTION OF CHANGE:

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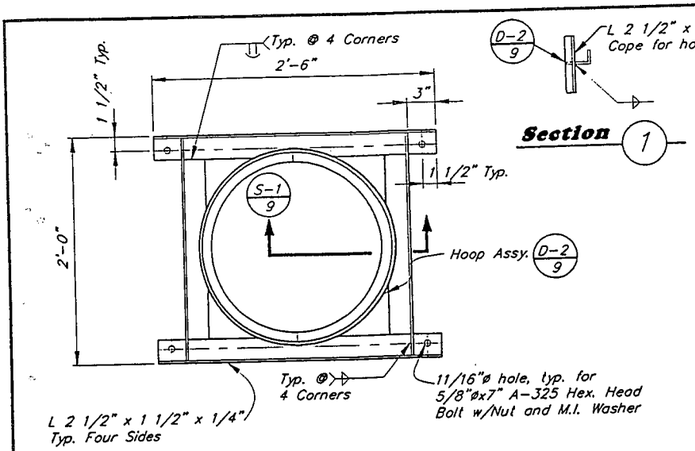
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

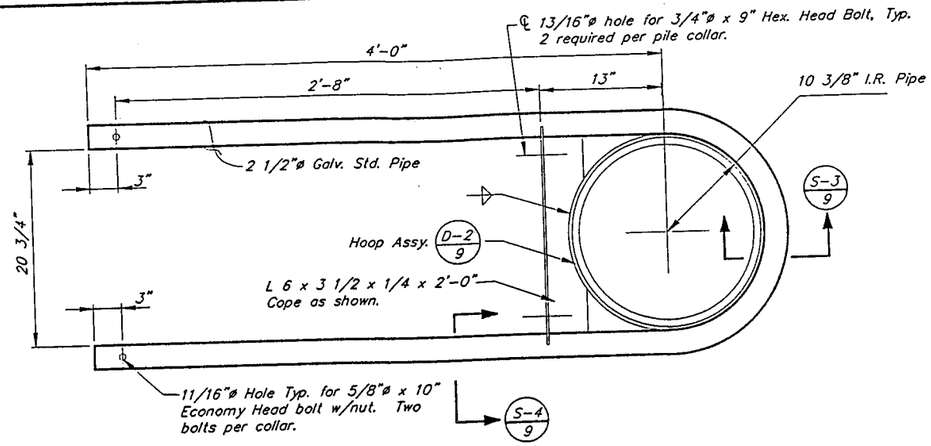
Craig Alaska

HINGE CONNECTION DETAILS

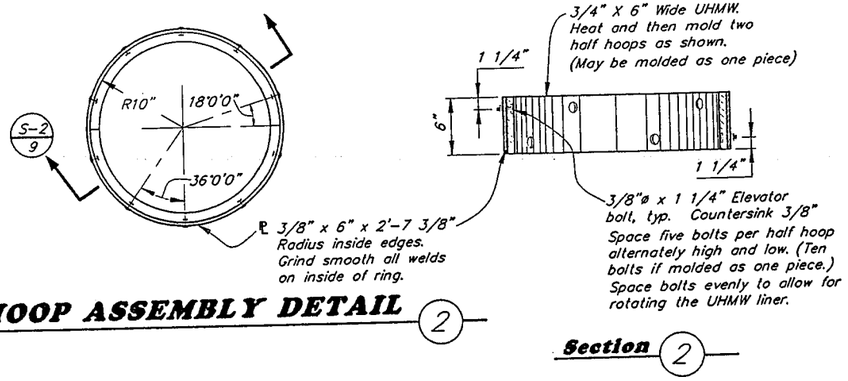
DESIGNED BY: D. SALDIVAR	PROJECT NO. 70649
DRAWN BY: AUTOCADD/CSA	DATE: JULY 1992
CHECKED BY: D. DOERFLINGER	SHEET 8 OF 22



INTERIOR PILE COLLAR DETAIL 1

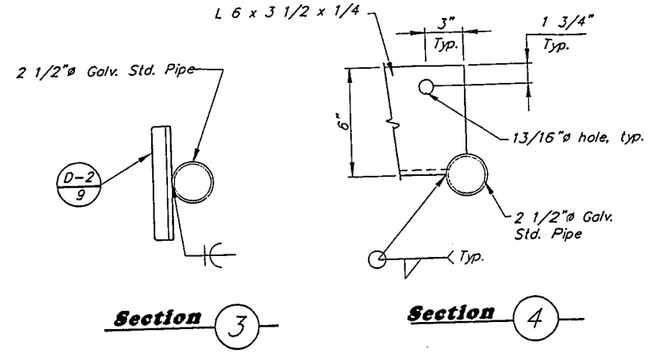


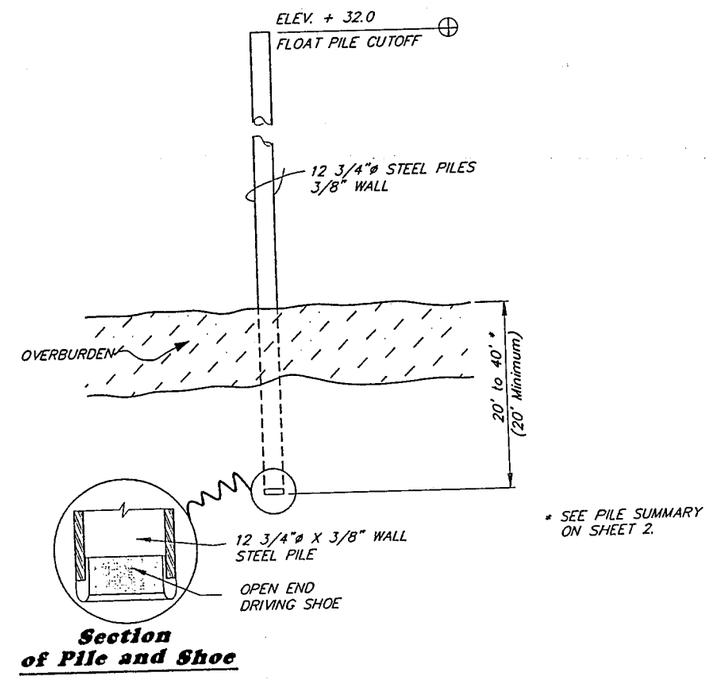
EXTERIOR PILE COLLAR DETAILS 3



HOOP ASSEMBLY DETAIL 2

Section 2





Section of Pile and Shoe

STEEL PILE DETAIL 4

NOTE: DO NOT SCALE FROM THESE PLANS–USE DIMENSIONS

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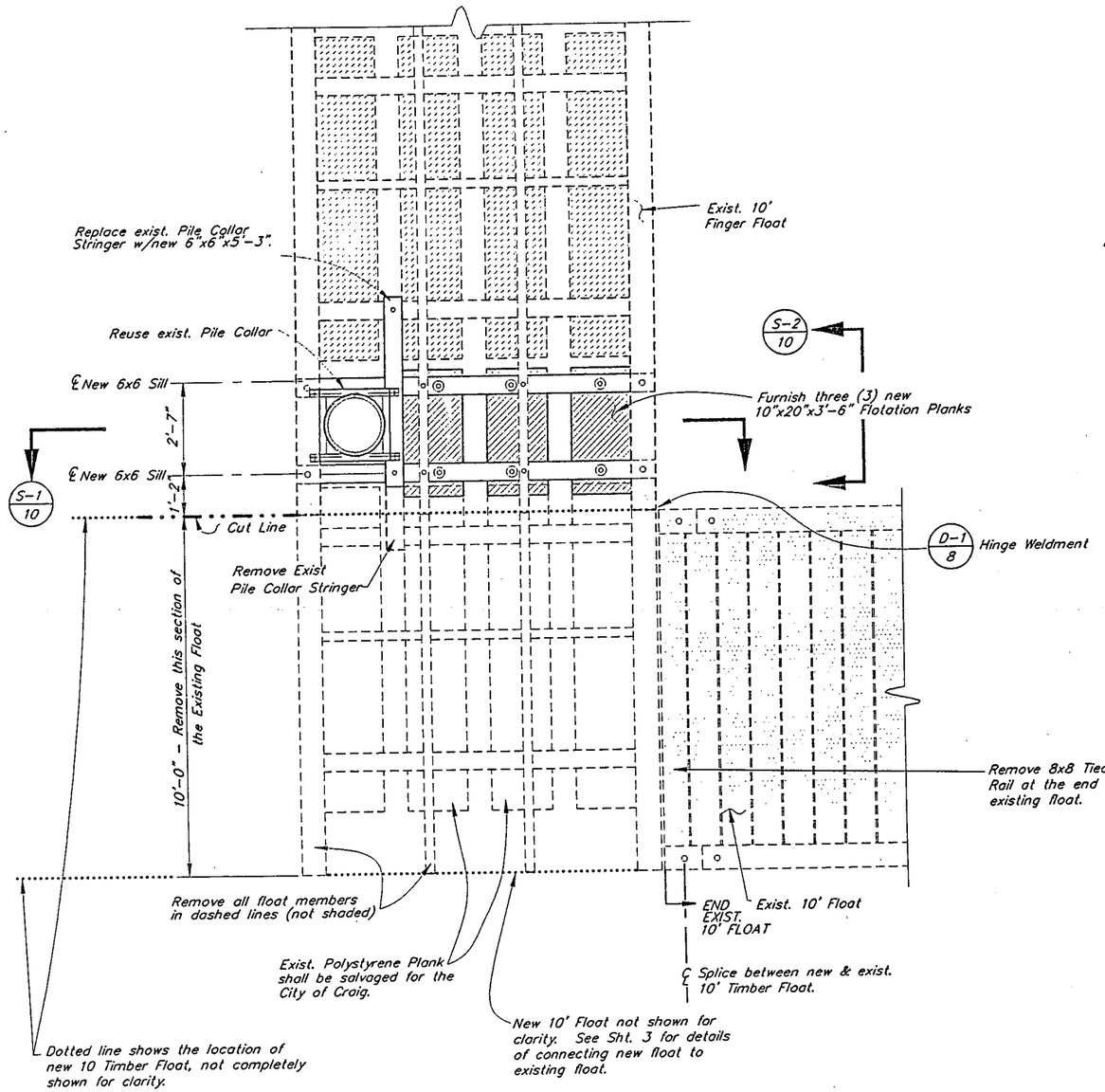
HINGE AND COLLAR CONNECTION DETAILS

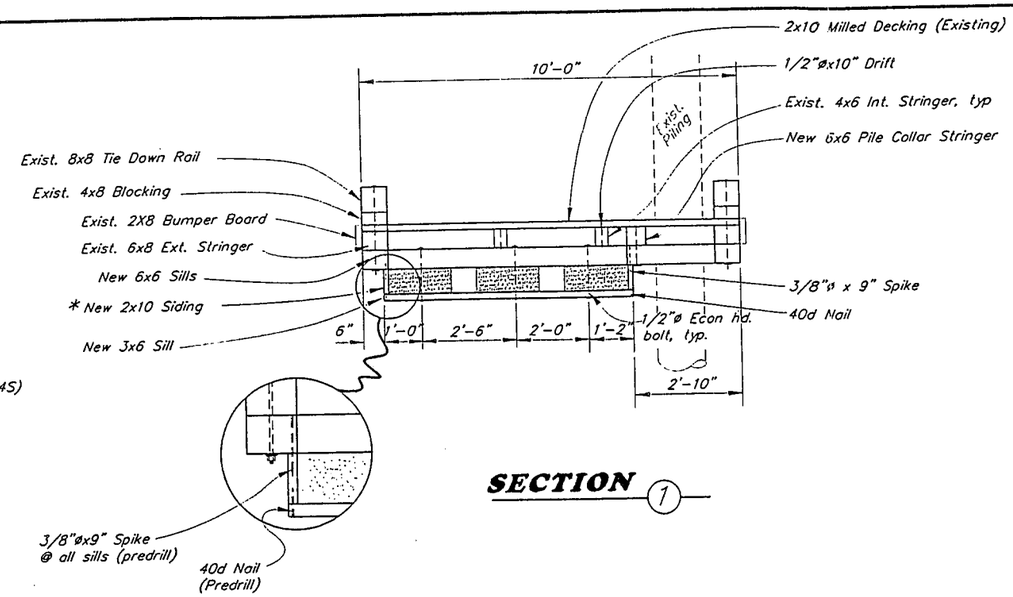
DESIGNED BY: D. SALDIVAR	PROJECT NO. 70649
DRAWN BY: AUTOCADD/ CSA	DATE: JULY 1992
CHECKED BY: D. DOERFLINGER	SHEET 9 OF 22

P:\CRAIG\HINGE\COLLAR

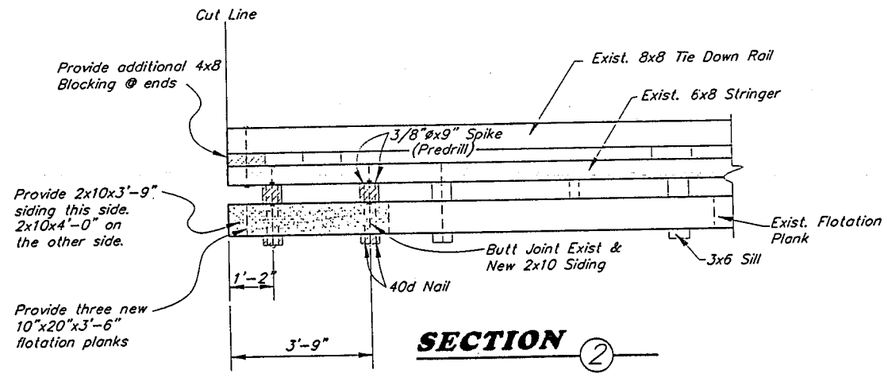


RECONSTRUCTION DETAIL (1)
EXISTING FLOAT

* 2x10 Siding is a 2x12 (S4S) cut to 1/2"x10 1/4".



SECTION (1)



SECTION (2)

NOTE: DO NOT SCALE FROM THESE PLANS–USE DIMENSIONS

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DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

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EXISTING FLOAT RECONSTRUCTION DETAILS

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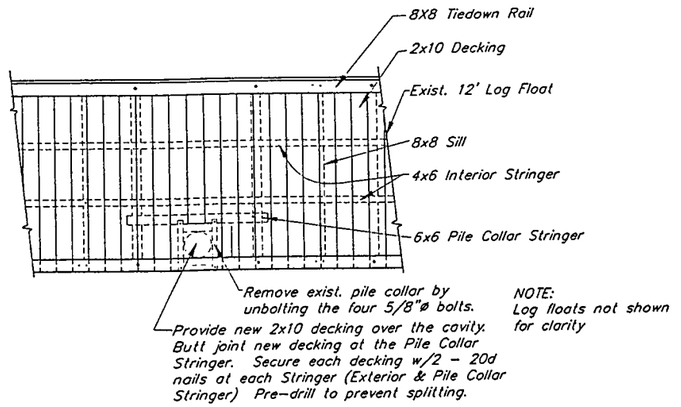
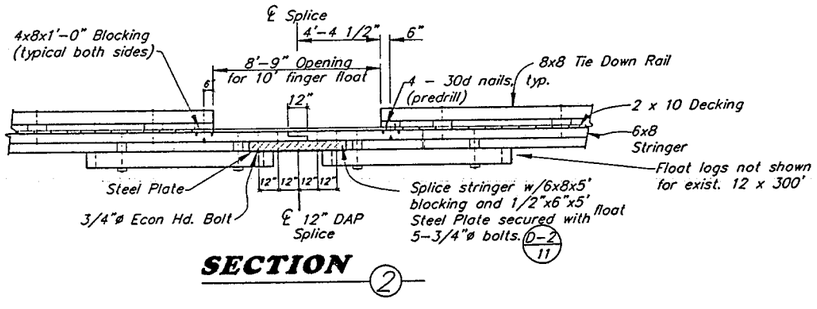
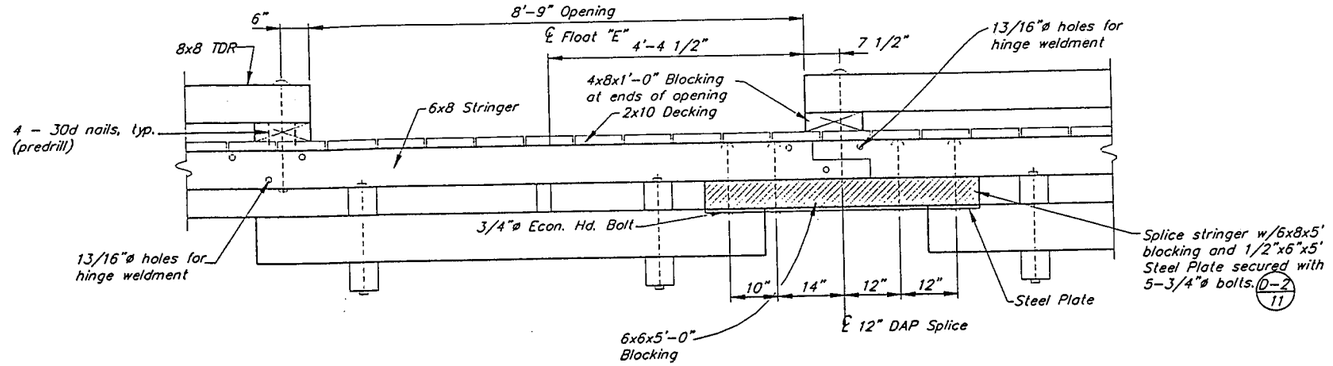


PILE COLLAR COVER DETAIL 1

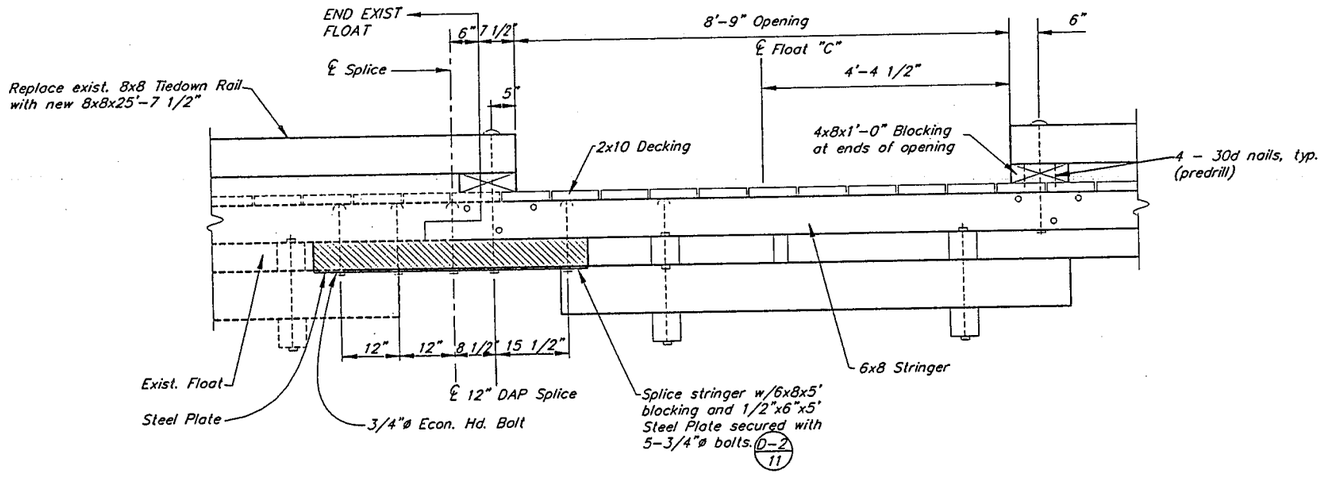
ON EXIST. 12' LOG FLOAT



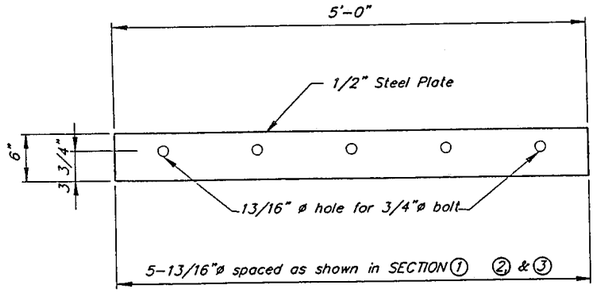
SECTION 2



SECTION 3



SECTION 1



STEEL PLATE DETAIL 2

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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MISCELLANEOUS FLOAT DETAILS

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CHECKED BY: D. DOERFLINGER	SHEET 11 OF 22

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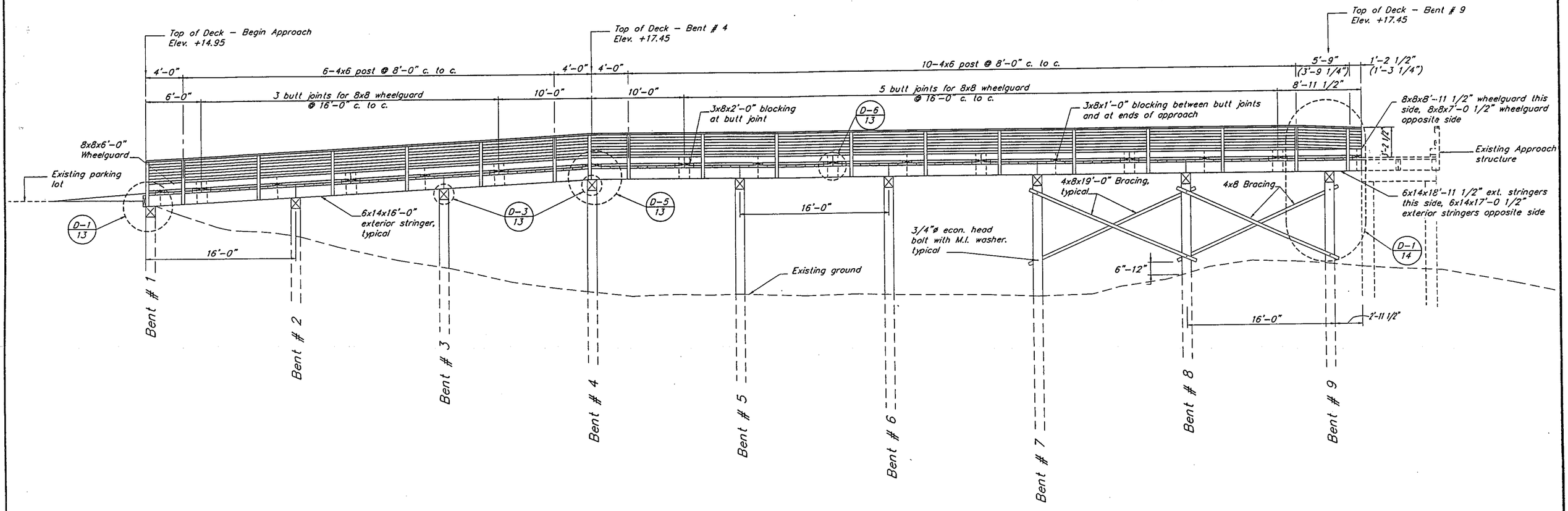
STATE OF ALASKA
49th
D. DOERFLINGER
CE-7567
REGISTERED PROFESSIONAL ENGINEER
7/15/94

NOTES :

1. All 8x8 wheelguard and 6x14 exterior stringers shall be 16'–0" long except where noted on plans.
2. Dimensions in parenthesis shall be for the opposite side of the approach.
3. Bottom end of 4x8 bracing shall be precut/predrilled and shop treated per specifications.



Profile

Approach Pile Notes

1. Piling for the approach shall be treated timber with a minimum 32" tip circumference.
2. Estimated penetration of piling below original ground is approximately 25 feet.
3. Design bearing value of timber pile equals 20 tons.

BY:	DATE:	DESCRIPTION OF CHANGE:

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APPROACH DETAILS

DESIGNED BY: D.D.S.	PROJECT No. 70649
DRAWN BY: AutoCAD / BWB	DATE: JULY 1992
CHECKED BY: D.F.D.	SHEET 12 OF 22

ENGINEER'S SEAL

STATE OF ALASKA
49th
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CE-7567
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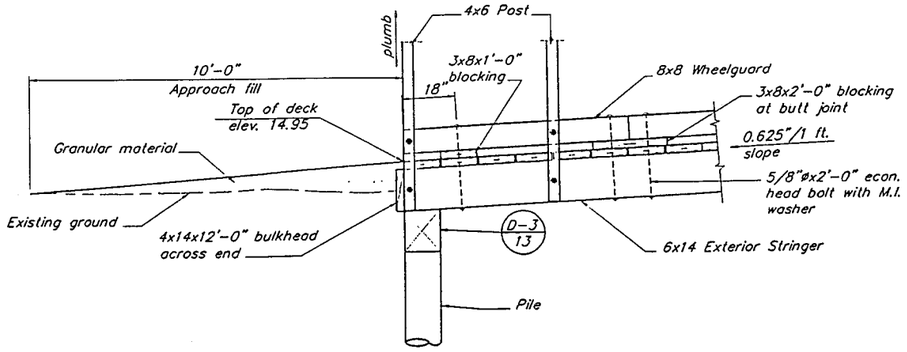
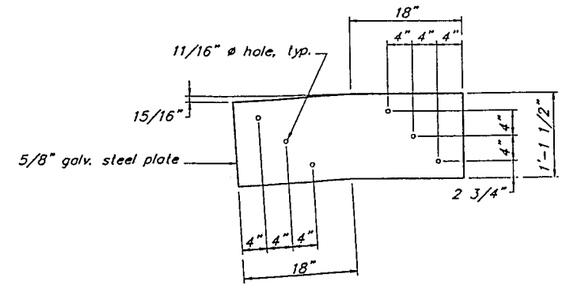
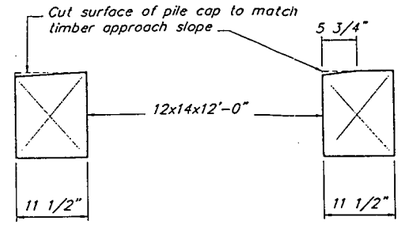


Begin Approach Detail (1)



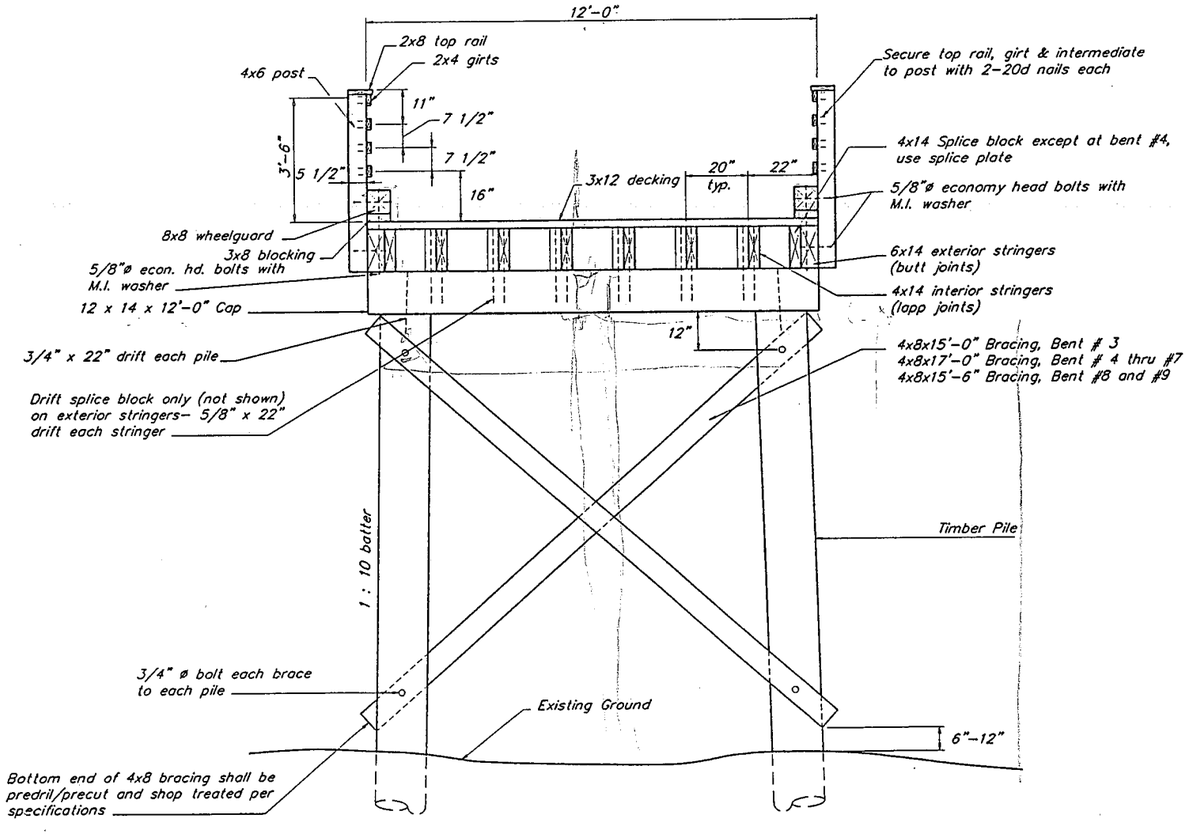
Splice Plate Detail (2)



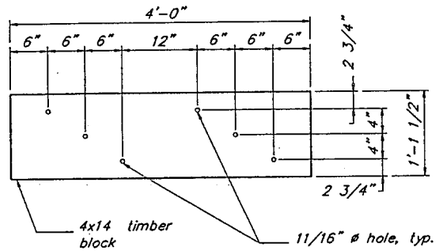
Bent #1, #2 & #3 Bent #4

All other pile caps are standard 12x14x12'-0"

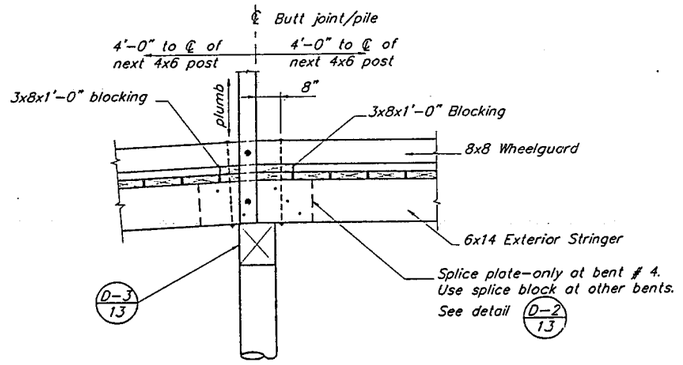
Pile Cap Detail (3)



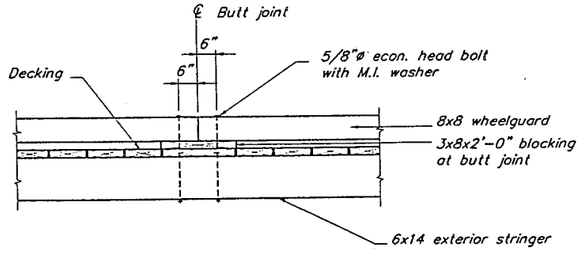
Typical Approach Section



Splice Block Detail (4)



Transition Detail Bent # 4 (5)



Butt Joint Detail for Wheelguard (6)

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APPROACH DETAILS

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STATE OF ALASKA
49th
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REGISTERED PROFESSIONAL ENGINEER

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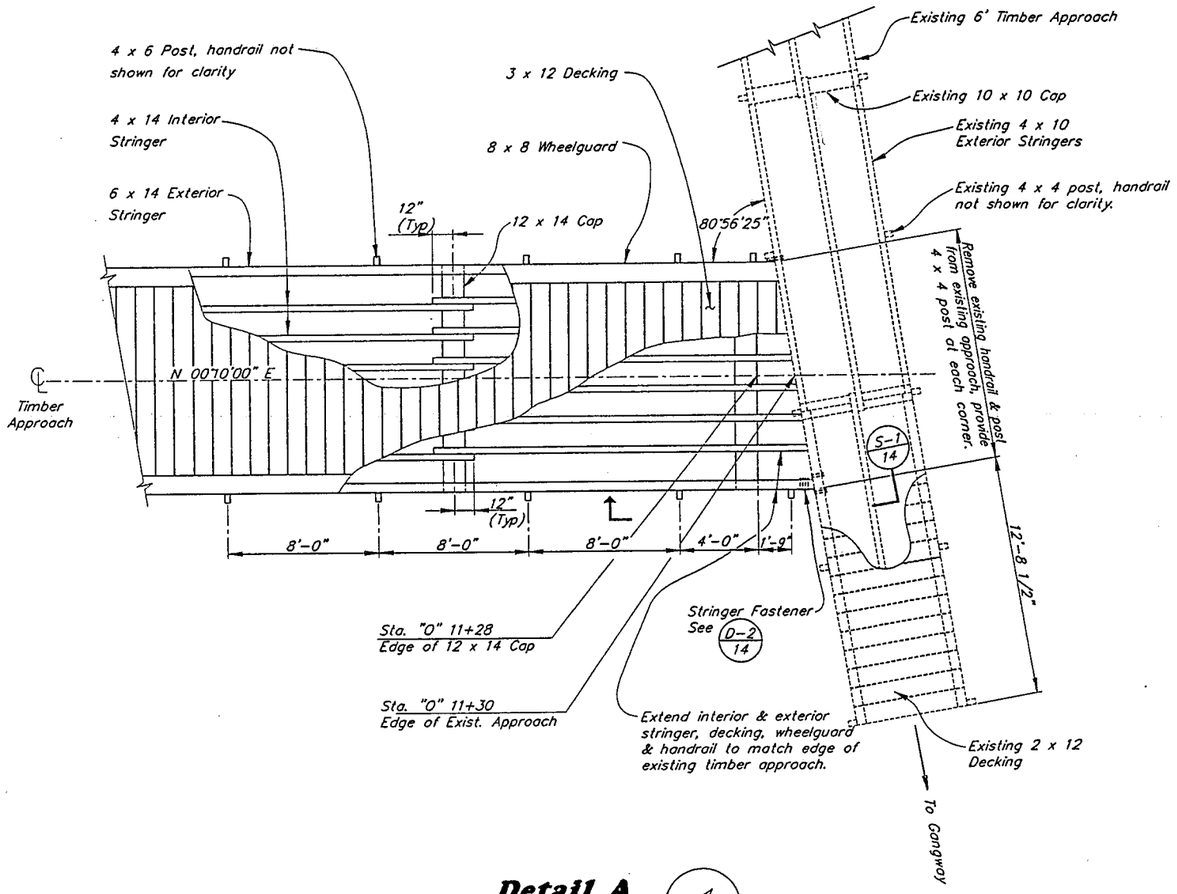
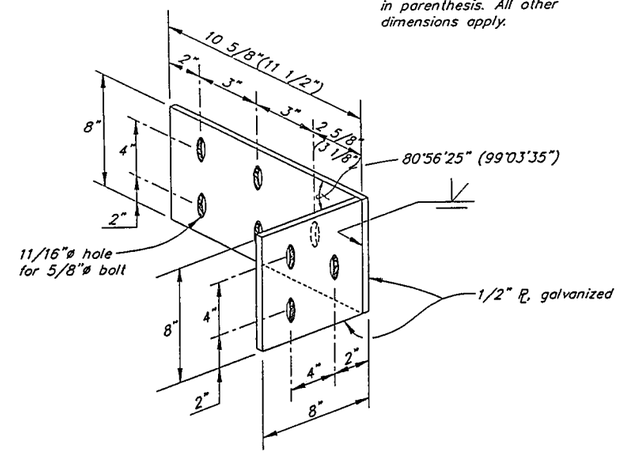


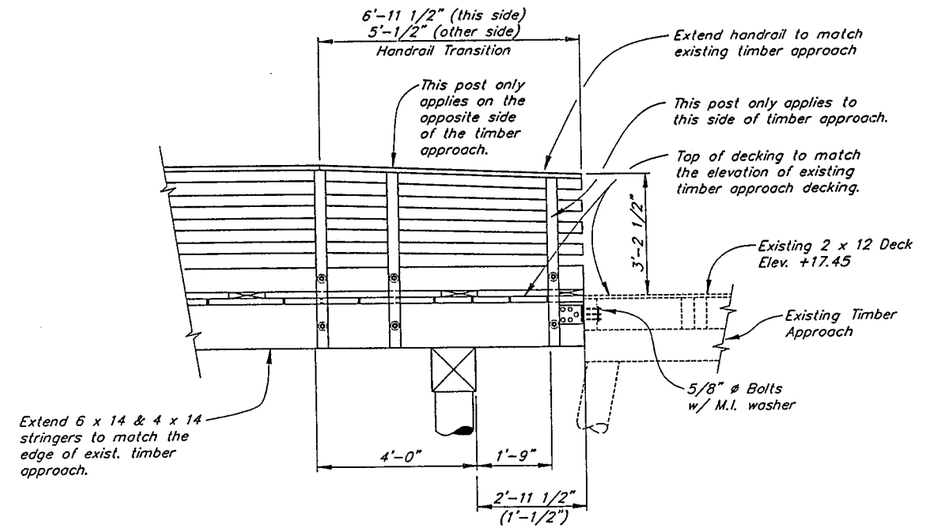
Detail A 1

NOTE: Dimension in parenthesis applies to the angle shown in parenthesis. All other dimensions apply.



Stringer Fastener Detail 2

2 Req'd. for 80°56'25"
2 Req'd. for 99°03'35"



NOTE: Dimension in parenthesis applies to the other side of approach.

Section 1

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SOUTHEAST REGION DESIGN & CONSTRUCTION

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TIMBER APPROACH DETAIL

DESIGNED BY: D. SALDIVAR	PROJECT NO. 70649
DRAWN BY: AUTOCAD/R. SNYDER	DATE: JULY 1992
CHECKED BY: D. DOERFLINGER	SHEET 14 OF 22

STATE OF ALASKA 49th D. Doerflinger CE 7567 REGISTERED PROFESSIONAL ENGINEER 7/15/92

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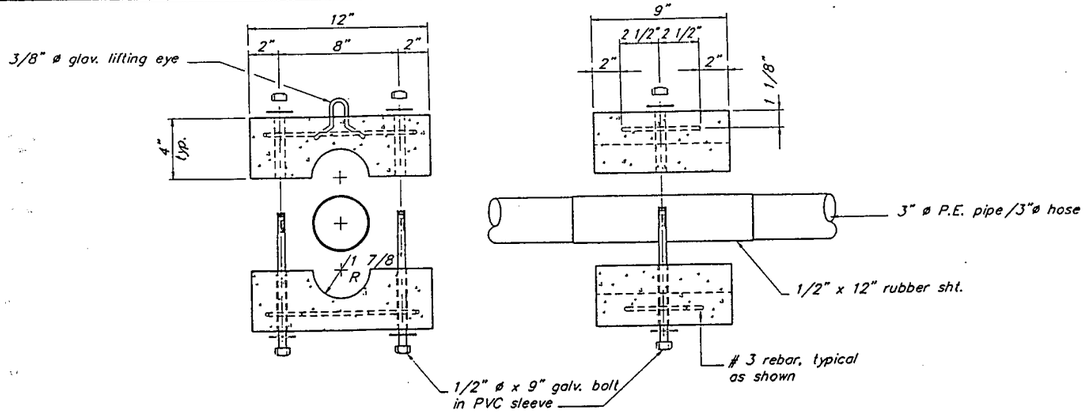
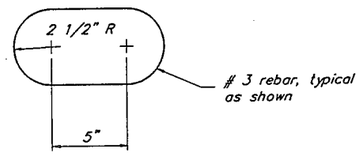
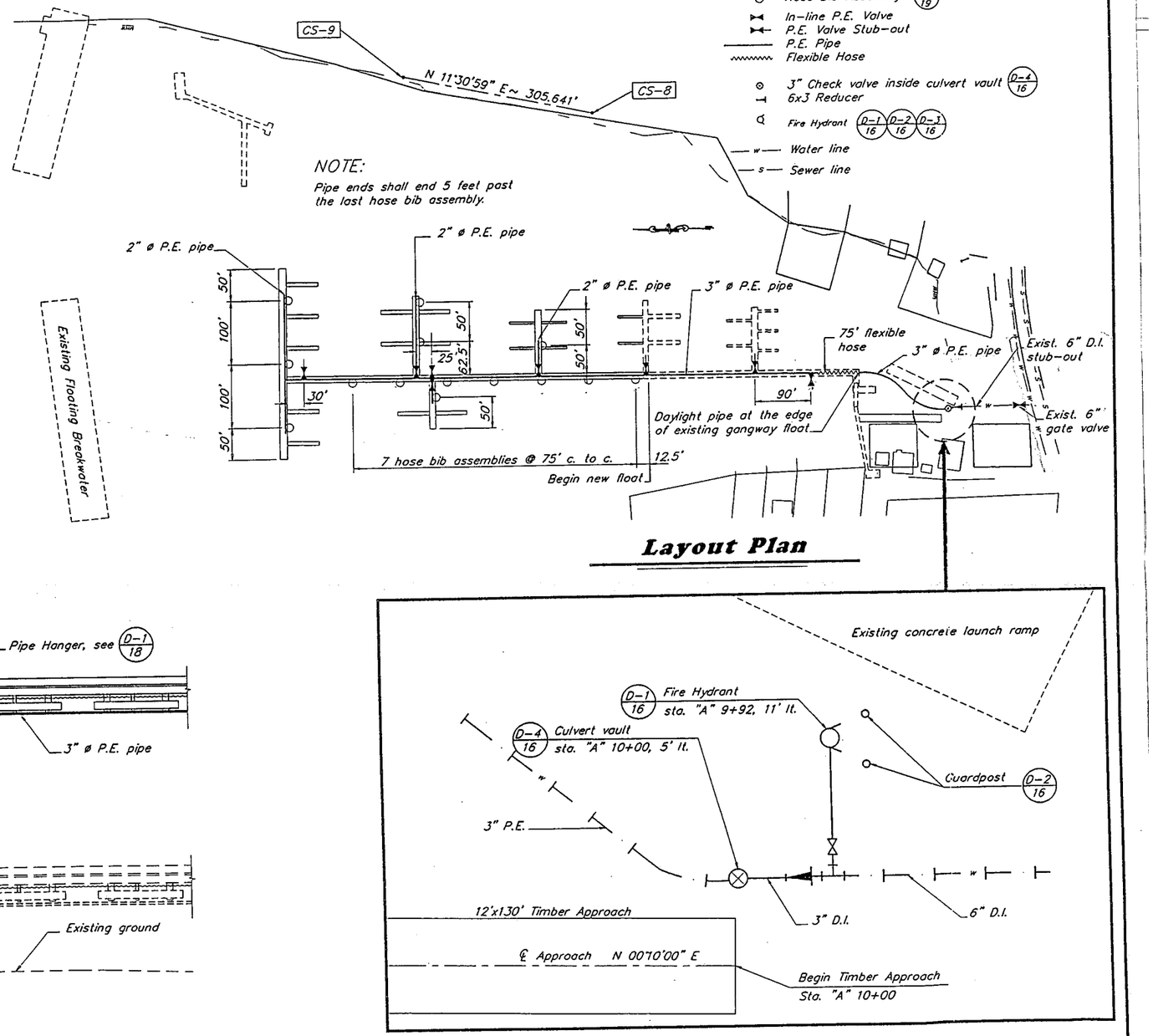


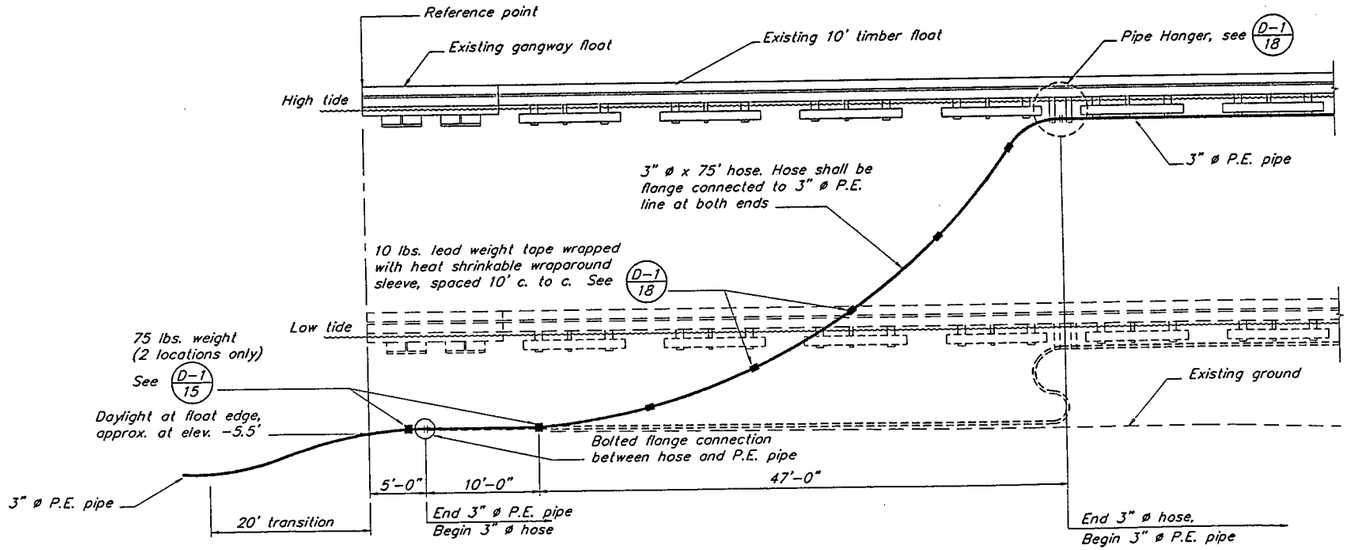
NOTE :
MAKE ALL WEIGHTS FROM 150 # / FT.³ CONCRETE.



75 # Weight Detail (1)



Layout Plan



Waterline to Float Connection

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SOUTHEAST REGION DESIGN & CONSTRUCTION

Craig Alaska

WATER SYSTEM LAYOUT

DESIGNED BY: D.D. Saldivar	PROJECT No. 70649
DRAWN BY: AutoCAD / BWB	DATE: JULY 1992
CHECKED BY: D.F. Doerflinger	SHEET 15 OF 22

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CE-7567
PROFESSIONAL ENGINEER

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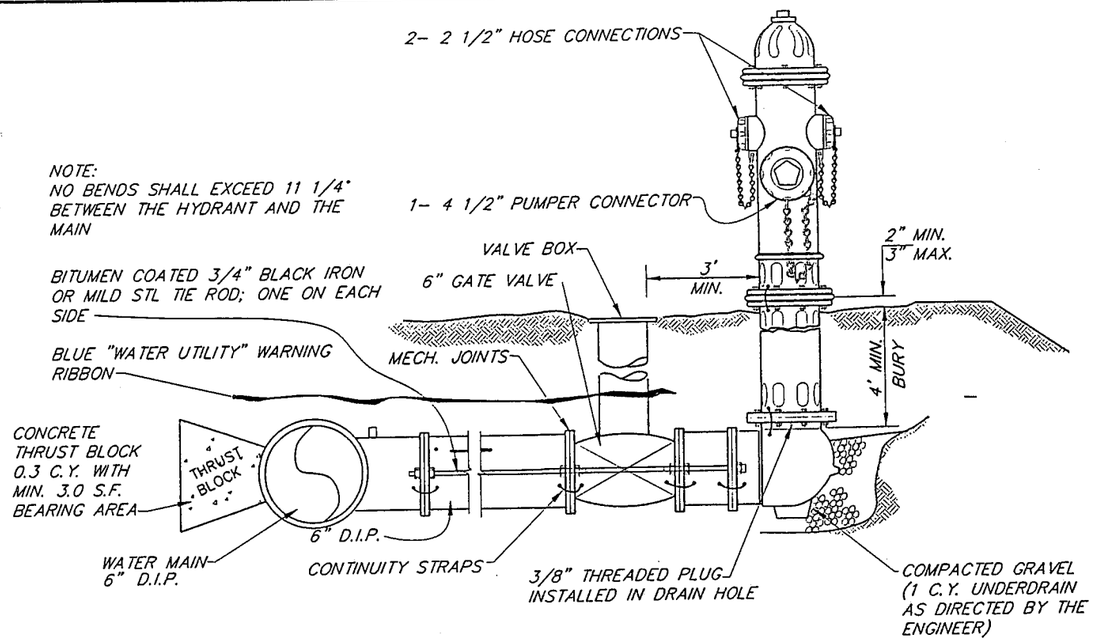
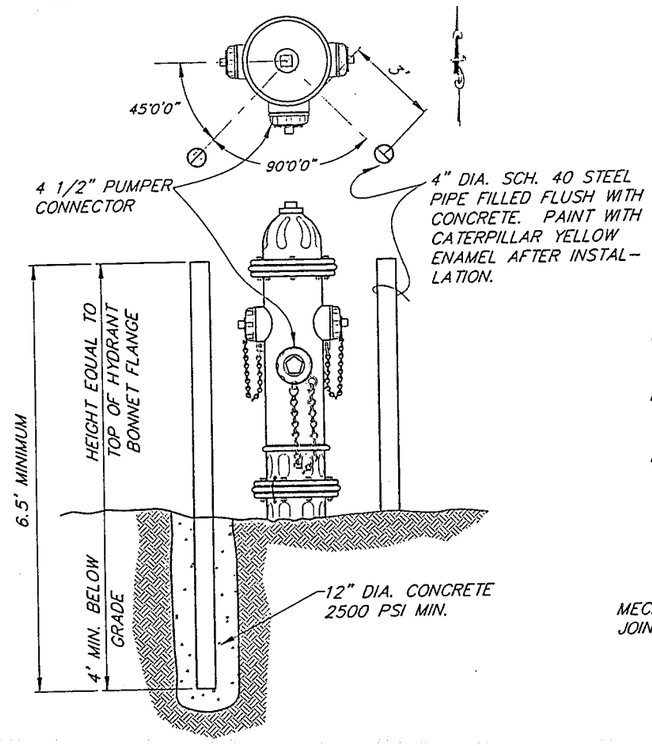
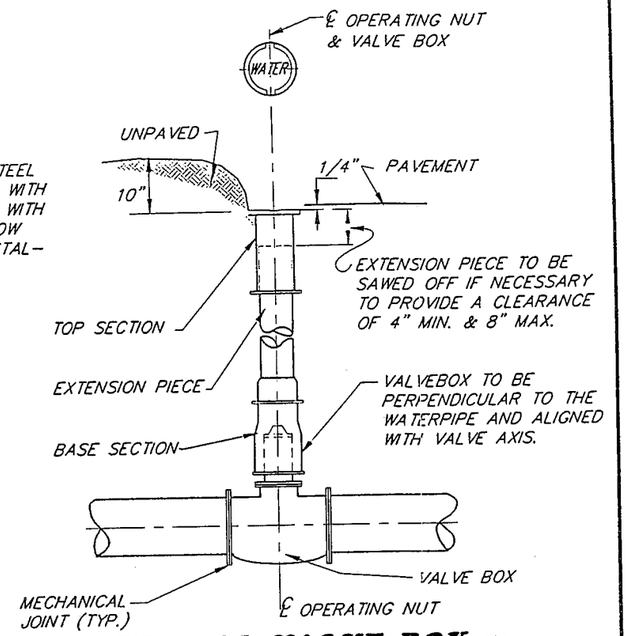


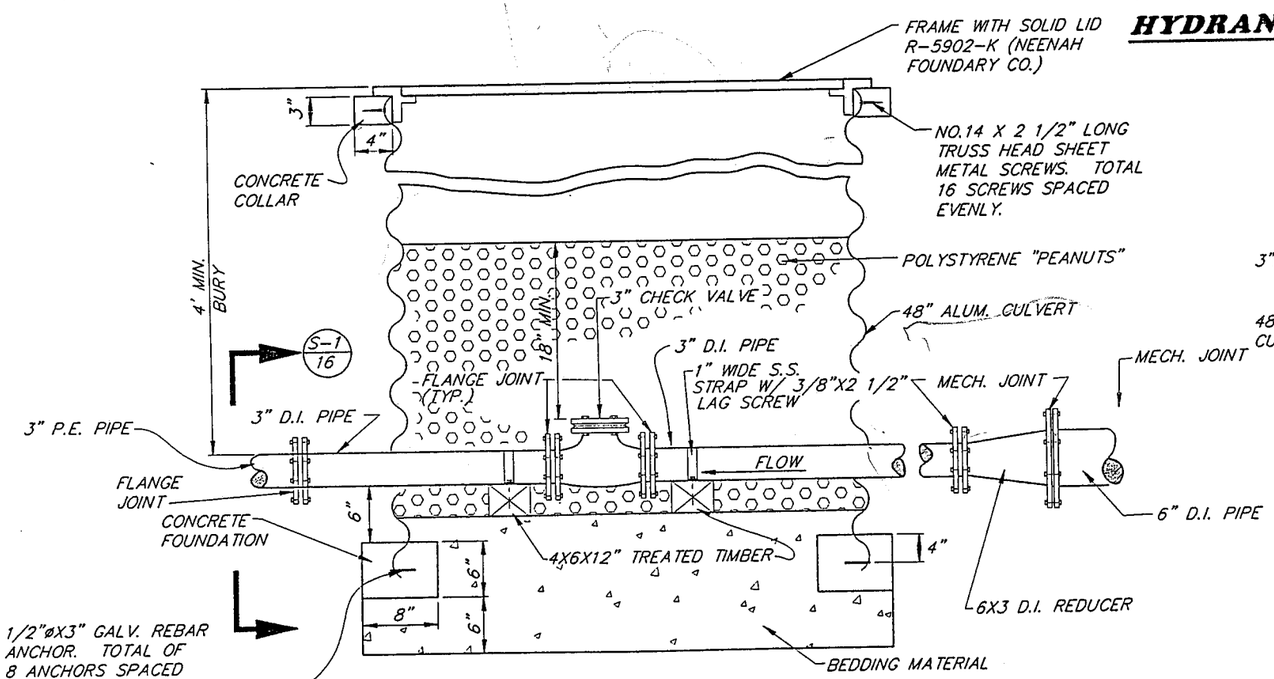
FIRE HYDRANT DETAIL (1)



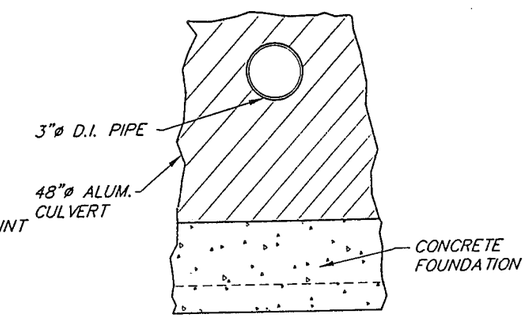
HYDRANT GUARD POSTS DETAIL (2)



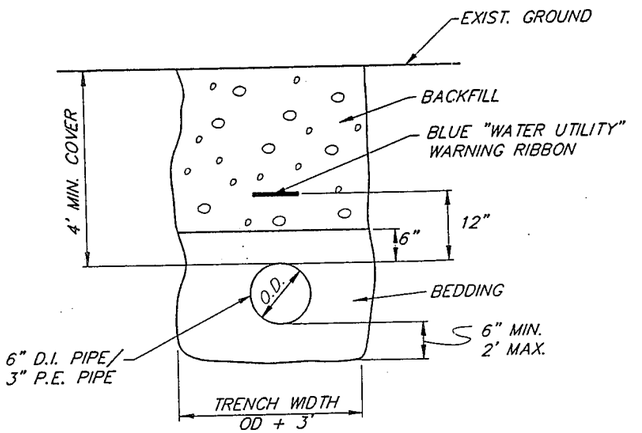
TYPICAL VALVE BOX (3)



CULVERT VAULT DETAIL (4)



SECTION (1)



WATERLINE INSTALLATION

NOTE: DO NOT SCALE FROM THESE PLANS–USE DIMENSIONS

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STATE OF ALASKA
49th
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CC-7567
REGISTERED PROFESSIONAL ENGINEER
7/31/92

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Craig

Alaska

FIRE HYDRANT DETAILS

DESIGNED BY: D. SALDIVAR	PROJECT NO. 70649
DRAWN BY: AUTOCADD / CSA	DATE: JULY 1992
CHECKED BY: D. DOERFLINGER	SHEET 16 OF 22

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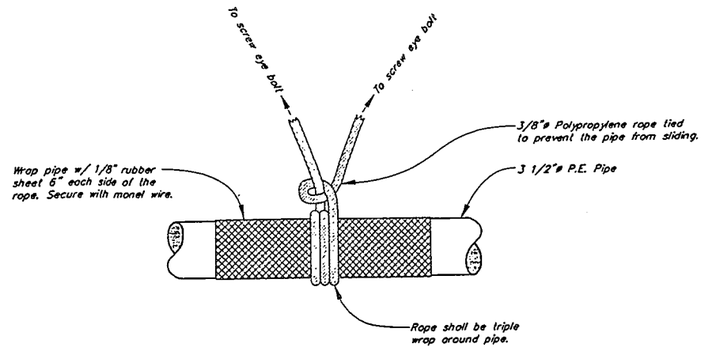
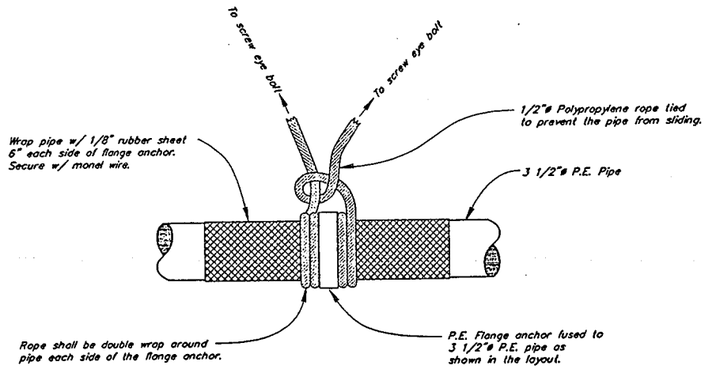
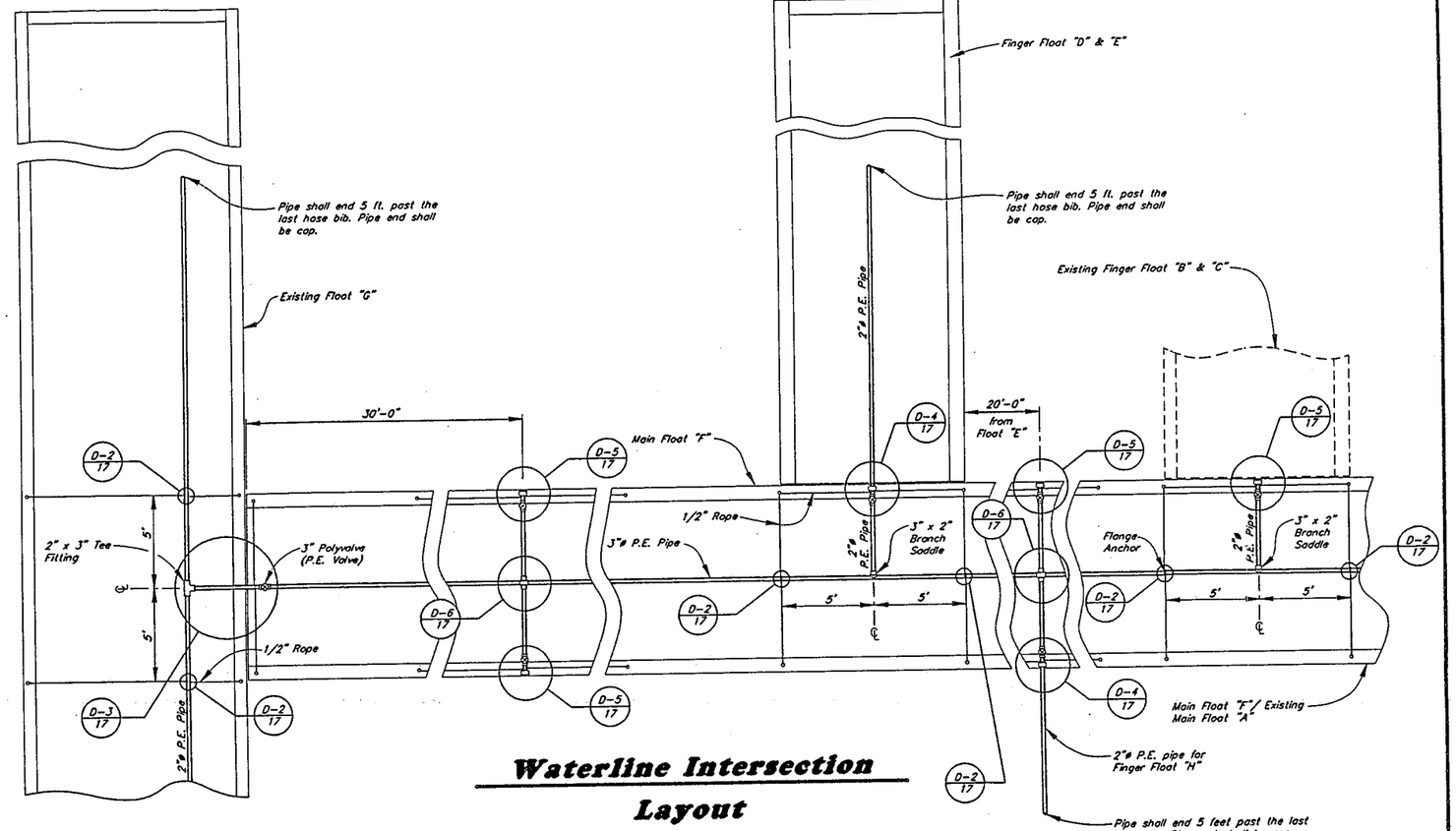


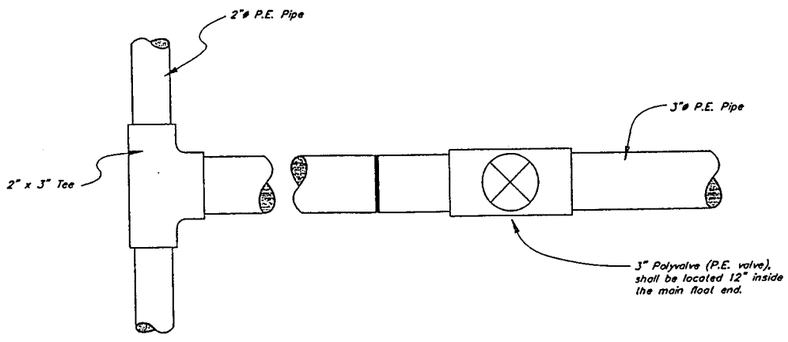
Typical Rope Attachment Detail 1



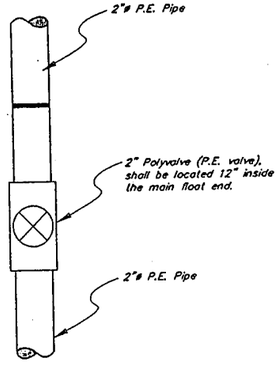
Flange Anchor Detail 2



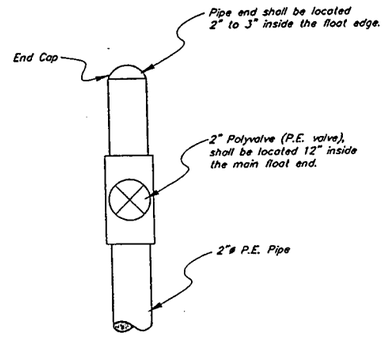
Waterline Intersection Layout



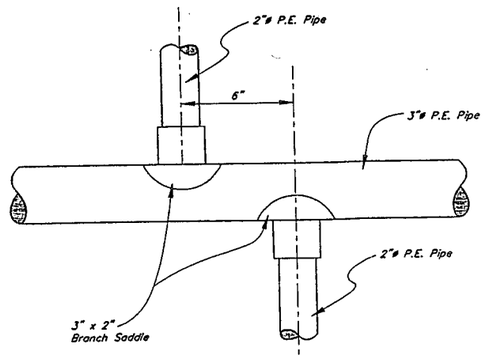
Detail 3



Detail 4



Detail 5



Detail 6

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SOUTHEAST REGION DESIGN & CONSTRUCTION

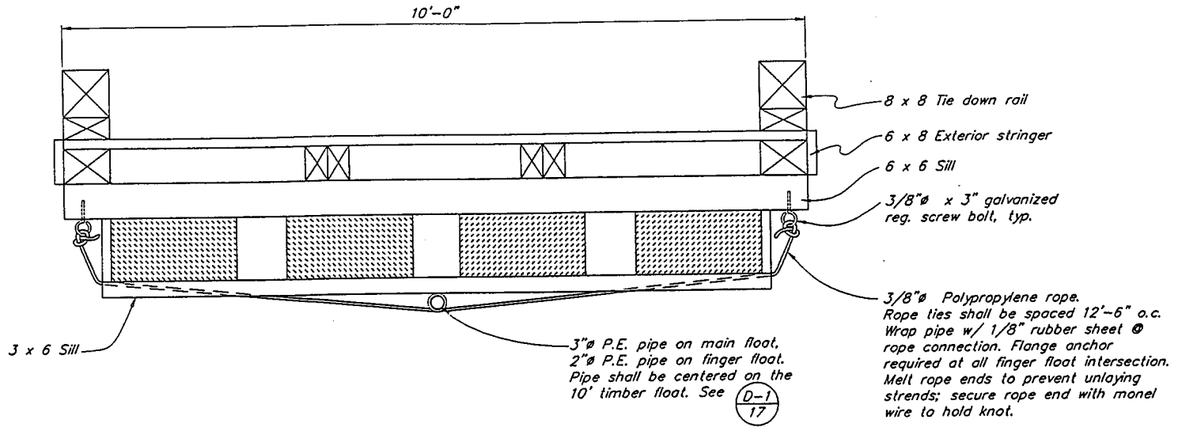
Craig Alaska

WATERLINE DETAILS

DESIGNED BY: D. SALDIVAR	PROJECT NO. 70649
DRAWN BY: AUTOCAD/R. SNYDER	DATE: JULY 1992
CHECKED BY: D. DOERFLINGER	SHEET 17 OF 22

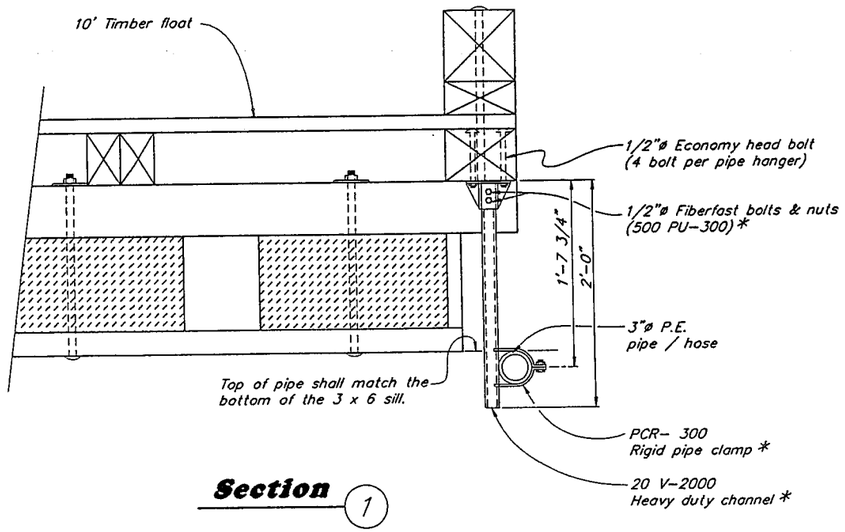
STATE OF ALASKA 49th D. Doerflinger CE 7567 REGISTERED PROFESSIONAL ENGINEER

P:\CRAIG1\DR\LAYOUT 1=3

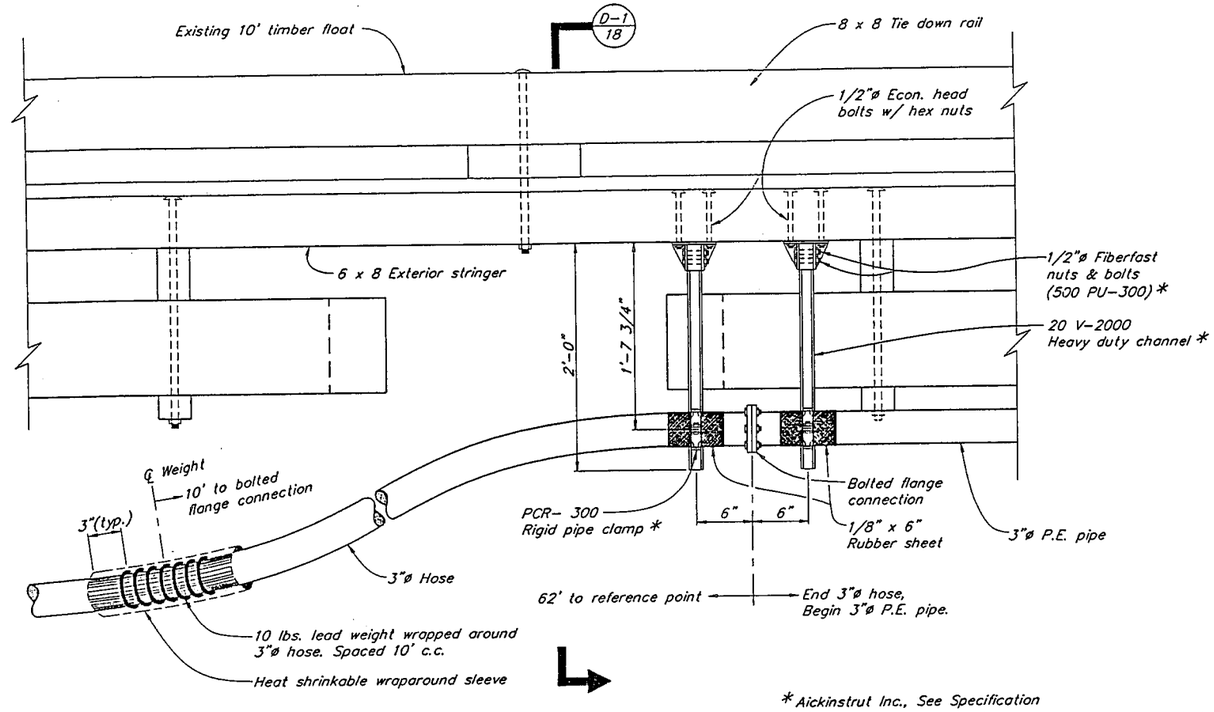


Waterline Installation

10' Timber Float

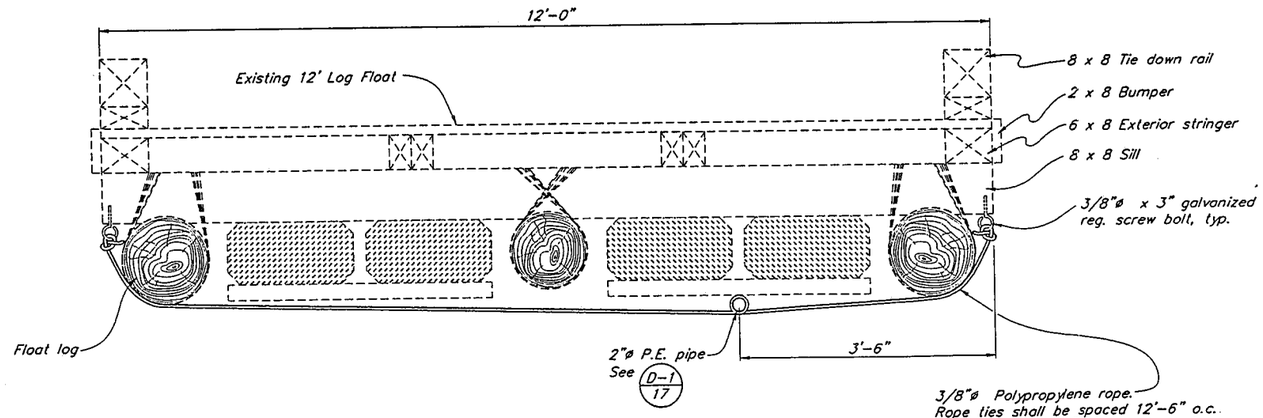


Section 1



* Aickinstrut Inc., See Specification

Pipe Hanger Detail 1



Waterline Installation

Existing 12' Finger Float

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

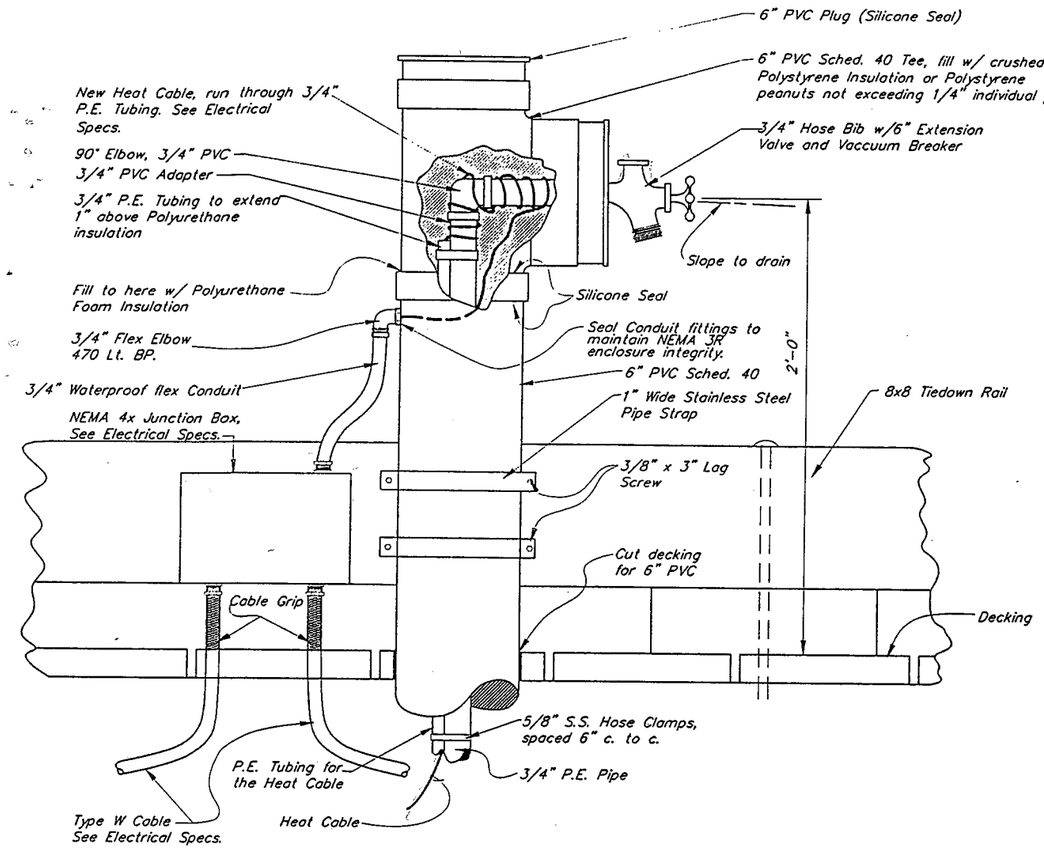
Craig Alaska

WATERLINE DETAILS

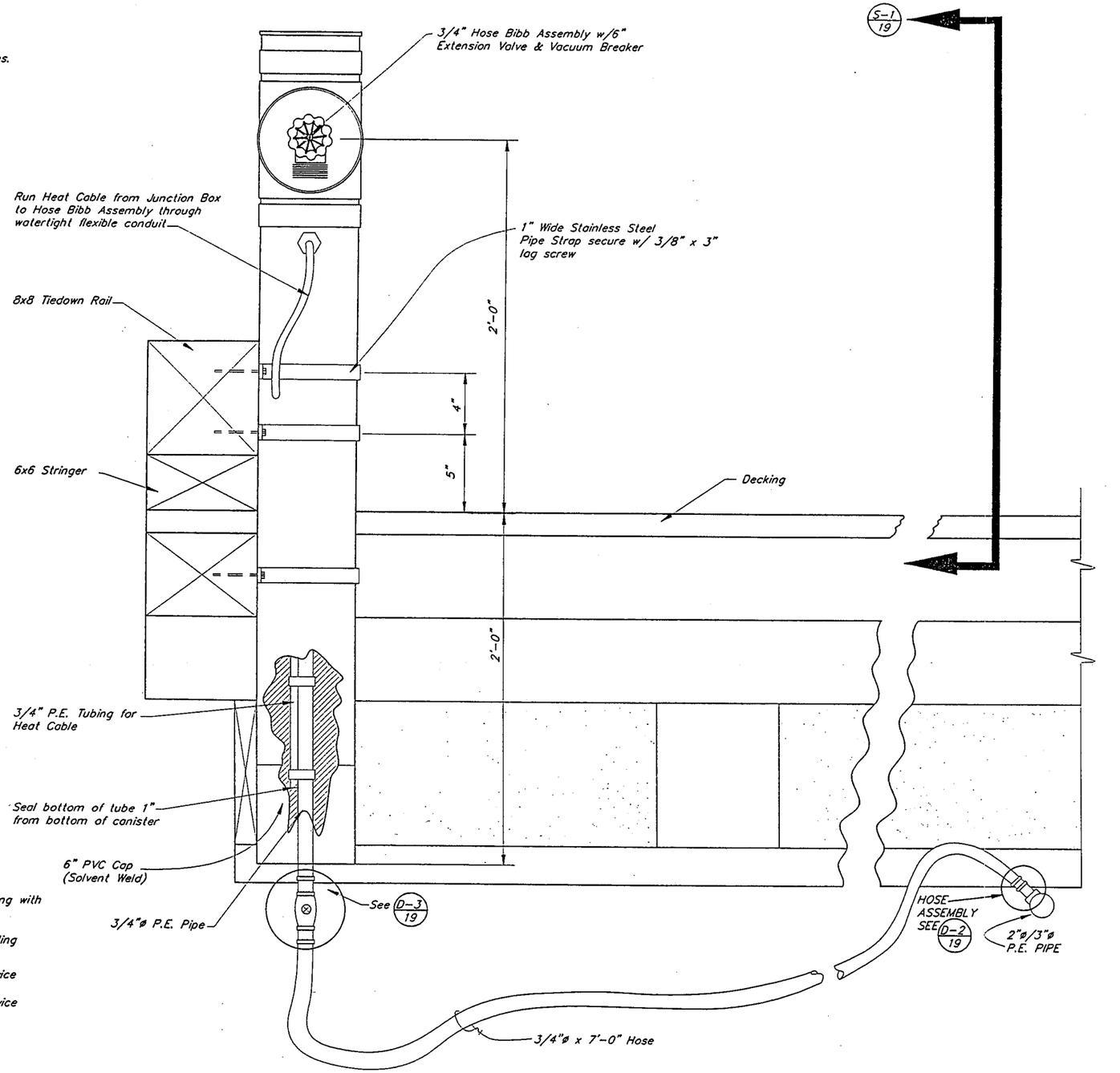
DESIGNED BY: D. SALDIVAR	PROJECT NO. 70649
DRAWN BY: AUTOCAD/R. SNYDER	DATE: JULY 1992
CHECKED BY: D. DOERFLINGER	SHEET 18 OF 22

STATE OF ALASKA 49th D. Doerflinger CE 7567 REGISTERED PROFESSIONAL ENGINEER

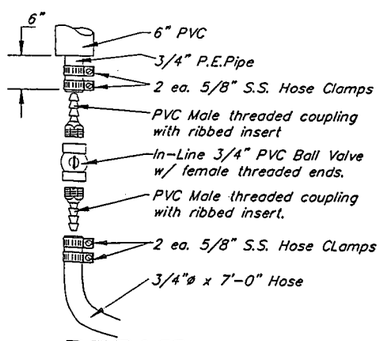
P:\CRAIG\DR\DETAIL 1-12



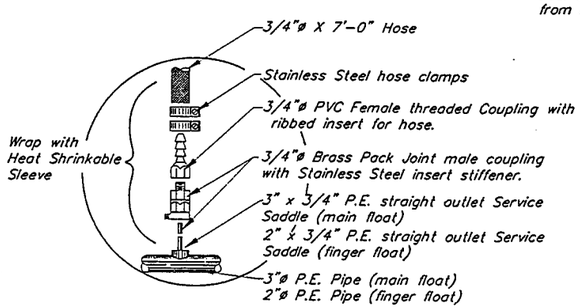
SECTION 1



HOSE BIB ASSEMBLY DETAIL 1



DETAIL 3



HOSE ASSEMBLY DETAIL 2

NOTE: DO NOT SCALE FROM THESE PLANS–USE DIMENSIONS

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

Craig
Alaska

WATERLINE DETAILS

DESIGNED BY: D. SALDIVAR	PROJECT NO. 70649
DRAWN BY: AUTOCADD/ CSA	DATE: JULY 1992
CHECKED BY: D. DOERFLINGER	SHEET 19 OF 22

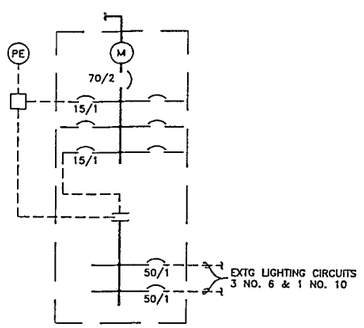
ENGINEER'S SEAL
STATE OF ALASKA 49th
D. DOERFLINGER CE-7567
REGISTERED PROFESSIONAL ENGINEER

P:\CRAIG\DWG\WLN2.DWG 1=1

NOTES:

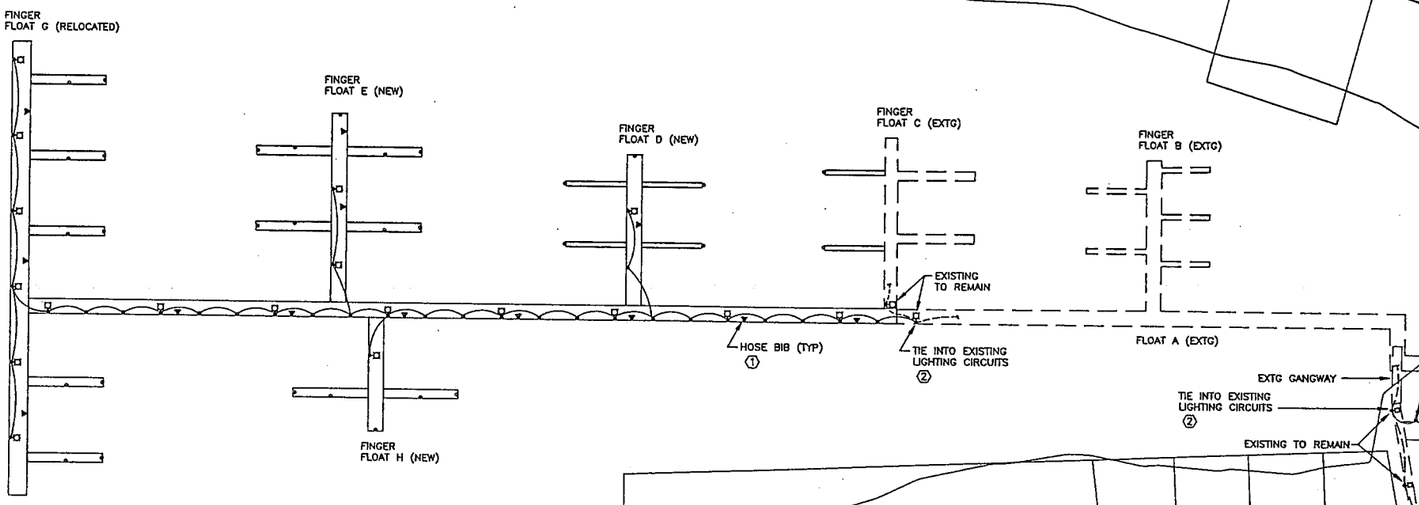
(1) PROVIDE POWER FOR NEW HOSE BIBS. SEE CIVIL DRAWING NO. 19 OF 21 FOR DETAIL. APPROXIMATE LENGTH OF HEAT CABLE FOR EACH BIB IS 8 FEET. ROUTE CONDUCTORS FOR HOSE BIB HEAT CABLE UNDER FLOAT DECK ON TOP OF SILLS FROM HOSE BIB JUNCTION BOX TO HOSE BIB JUNCTION BOX. CONDUCTORS ARE NOT SHOWN ON THIS DRAWING.

(2) ALTERNATE LUMINAIRE POWER BETWEEN TWO EXISTING 50/1 CIRCUITS FROM EXISTING MAIN PANEL. THE EXISTING LUMINAIRES ALTERNATE BETWEEN THESE TWO CIRCUITS AND ARE CONTROLLED BY AN EXISTING PE CELL AT THE MAIN PANEL. CONTROL THE NEW LIGHTING FROM THIS SAME PE CELL. SEE DETAIL THIS SHEET.



EXTG LIGHTING CIRCUITS SINGLE LINE

NO SCALE



LEGEND

- NEW AERIAL CABLE
- EXISTING AERIAL CABLE (TO REMAIN)
- PILING OR POLE MOUNTED LIGHT, GE M2AC-07-S-1-H-1-L-MC2-1
- HOSE BIB
- FLOAT PILING

0 50' 100' 150'

Scale in Feet

RECORD OF REVISIONS		
NO.	DATE:	DESCRIPTION OF CHANGE:

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

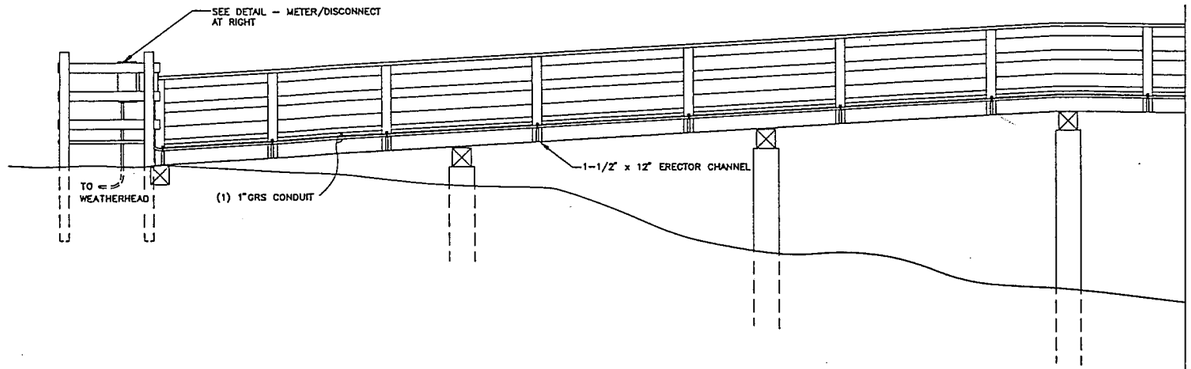
CRAIG ALASKA

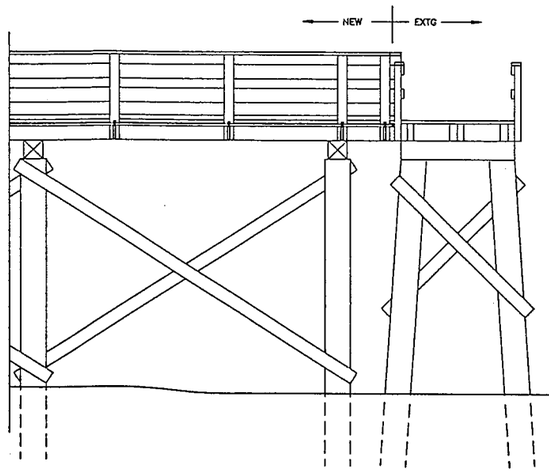
ELECTRICAL - LIGHTING & THAW WIRE

DESIGNED BY: TSM	PROJECT No. 70649
DRAWN BY: PEL	DATE: JULY 14, 1992
CHECKED BY: BCH	SHEET 20 OF 22

ENGINEER'S SEAL

STATE OF ALASKA
49th
B.C. HAIGHT
EE 4896
REGISTERED PROFESSIONAL ENGINEER

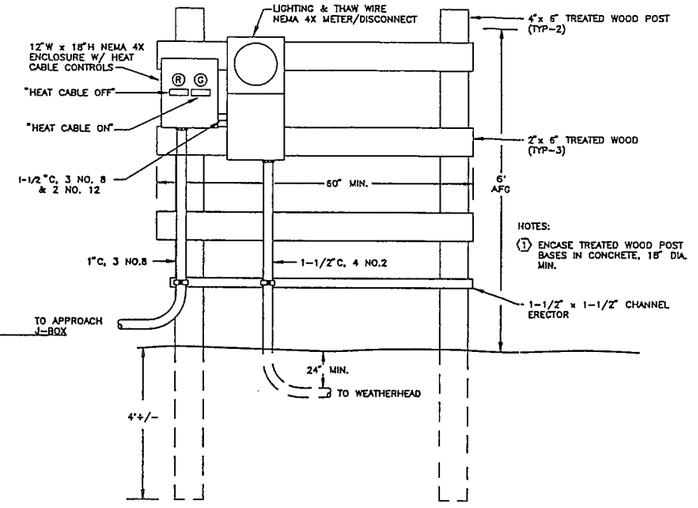




ELEVATION – NEW APPROACH

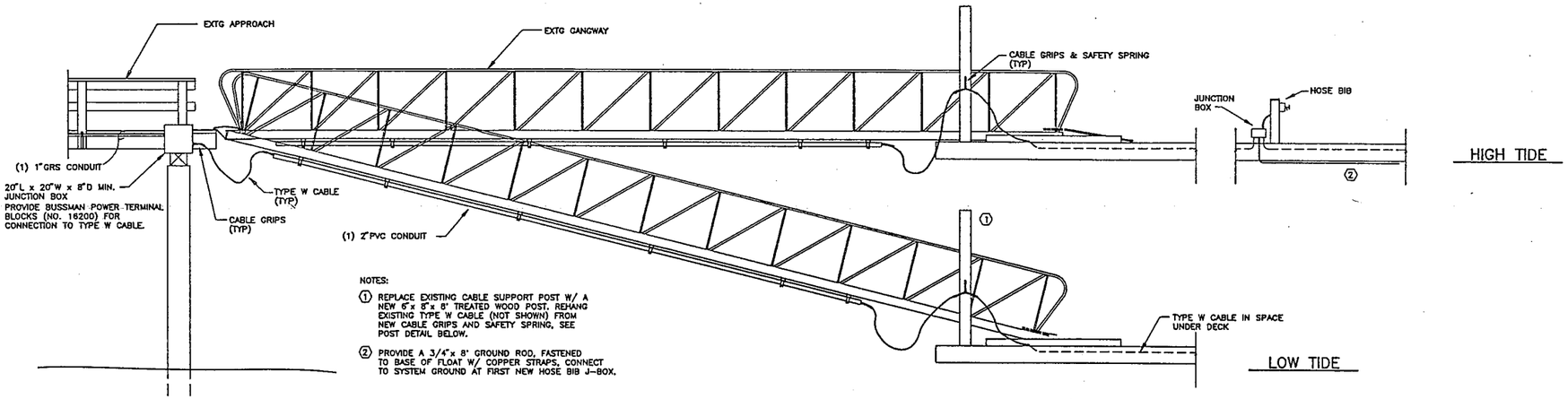
1' 0 2' 6' 12'

Scale in Feet



DETAIL – METER/DISCONNECT

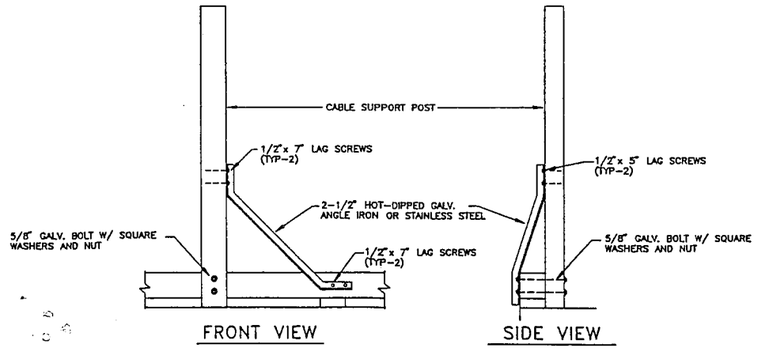
NO SCALE



ELEVATION – GANGWAY

1' 0 2' 6' 12'

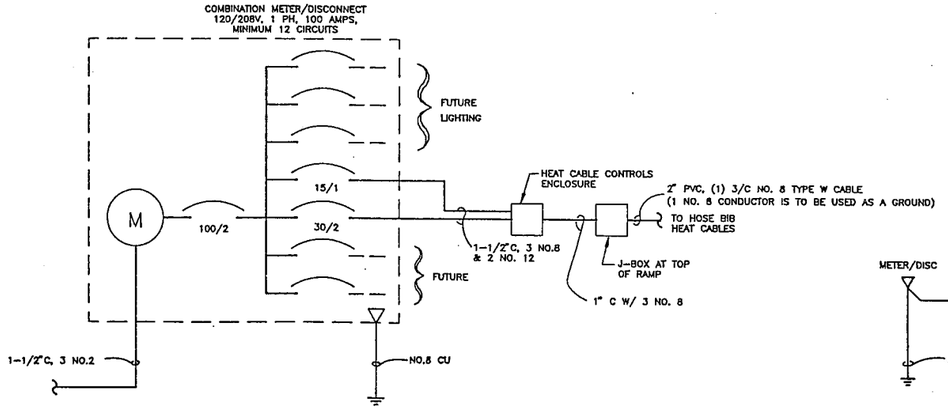
Scale in Feet



DETAIL – CABLE SUPPORT POST

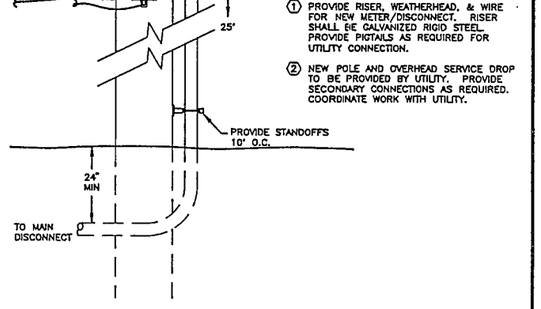
0 1' 2' 4' 6'

Scale in Feet



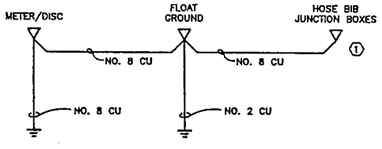
SINGLE LINE DIAGRAM

NO SCALE



DETAIL – OVERHEAD SERVICE DROP

NO SCALE



GROUNDING SCHEMATIC

NO SCALE

	DATE:	DESCRIPTION OF CHANGE:

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

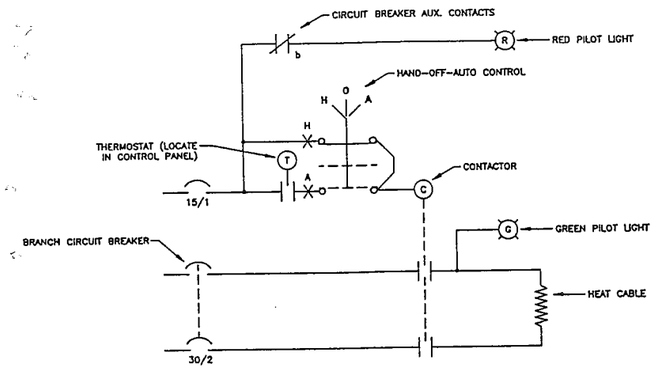
CRAIG ALASKA

ELECTRICAL – LIGHTING & THAW WIRE

DESIGNED BY: TSM	PROJECT No. 70649
DRAWN BY: PEL	DATE: JULY 14, 1992
CHECKED BY: BCH	SHEET 21 OF 22

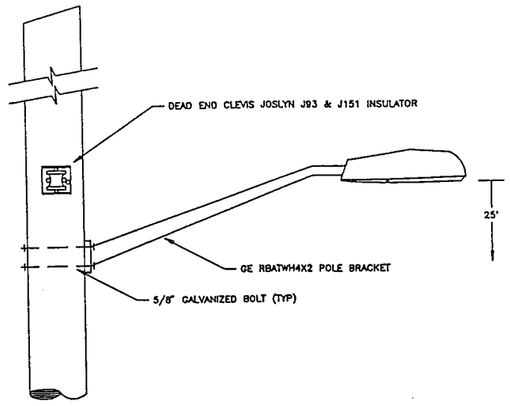
ENGINEER'S SEAL

STATE OF ALASKA 49th B.C. HAIGHT EE 4800 REGISTERED PROFESSIONAL ENGINEER



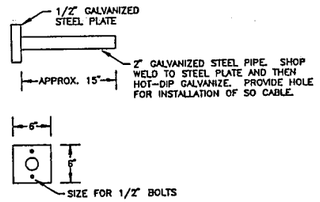
CONTROLS DIAGRAM – HEATING CABLE

NO SCALE



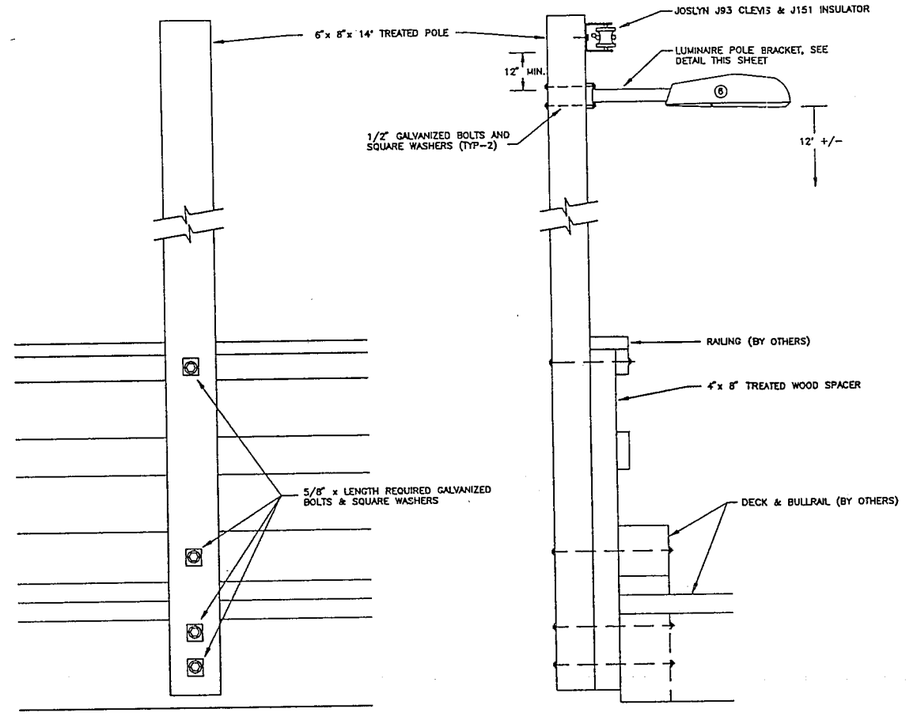
DETAIL – POWER POLE LIGHTING

NO SCALE



DETAIL – POLE BRACKET

NO SCALE

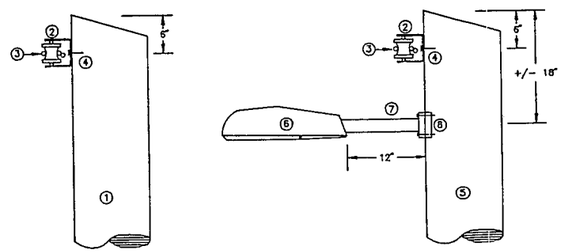


DETAIL – APPROACH LIGHTING

NO SCALE

EQUIPMENT / NOTES:

1. STEEL PILING W/ AERIAL LINE SUPPORT.
2. CLEVIS & INSULATOR: JOSLYN J93 & J151.
3. AERIAL CABLE: #6 QUADRUPLEX CU W/ ACSR MESSENGER.
4. 5/8" GALVANIZED BOLT.
5. STEEL PILING WITH AERIAL LINE SUPPORT & LUMINAIRE.
6. LUMINAIRE: GE M2AC-07-S-1-H-1-L-MC2-1, 70 WATT HIGH PRESSURE SODIUM.
7. LUMINAIRE PILING BRACKET, GALVANIZED. SEE DETAIL THIS SHEET.
8. 1/2" GALVANIZED BOLTS.
9. MAKE CONNECTION FROM AERIAL CABLE TO LUMINAIRE WITH 10/3 SO CABLE (BLACK). UTILIZE MECHANICAL TYPE CABLE TAPS, THOMAS & BETTS CT2 OR EQUAL W/ INSULATING BOOT CT2C. TAPE OVER BOOT W/ TWO LAYERS OF ELECTRICIANS TAPE. TY-RAP TO MESSENGER.
10. MOUNT CLEVIS TO FACE CONDUCTOR BEING TERMINATED IN DEADEND CONFIGURATION.



DETAIL – FLOAT LIGHTING / AERIAL LINE

NO SCALE

BY:	DATE:	DESCRIPTION OF CHANGE:

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

CRAIG ALASKA

ELECTRICAL – LIGHTING & THAW WIRE

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ENGINEER'S SEAL

STATE OF ALASKA
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