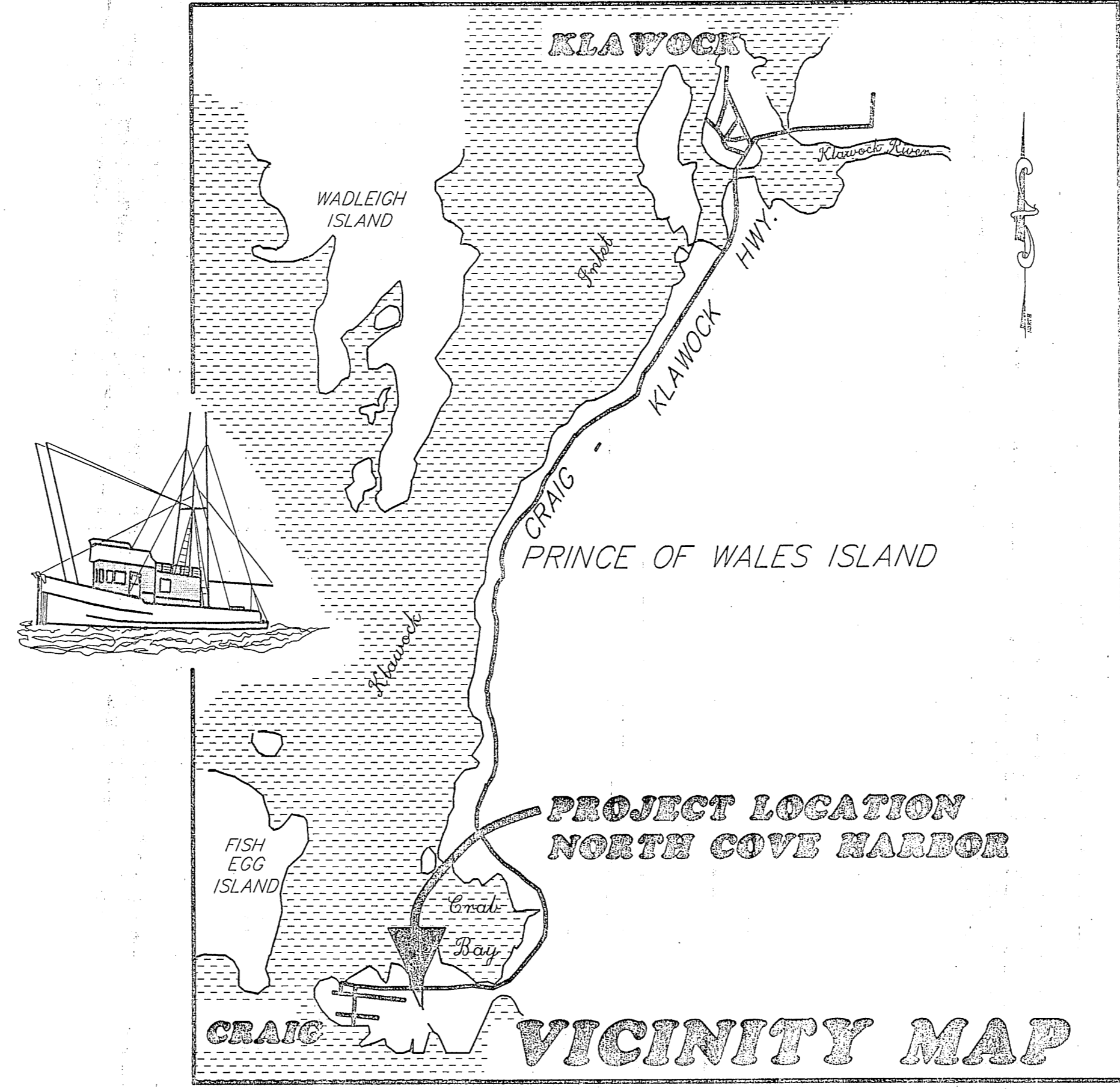


# CRAIG NORTH COVE HARBOR EXPANSION

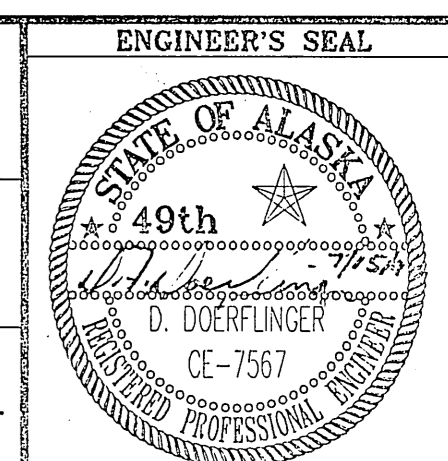
PROJECT NO. 70649  
E.D.A. PROJ. NO. 07-01-03302

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1	TITLE SHEET
2	ESTIMATE OF QUANTITIES
3	FLOAT LAYOUT
4	STRINGER LAYOUT
5	10' TIMBER FLOAT
6	6'X50' STALL FLOAT
7	3'-2 1/2" X 40' STALL FLOAT
8	HINGE CONNECTION DETAILS
9	PILE COLLAR DETAIL
10	FLOAT RECONSTRUCTION DETAIL
11	MISCELLANEOUS DETAILS
12-14	TIMBER APPROACH
15-19	WATERLINE LAYOUT & DETAILS
20-22	ELECTRICAL

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



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



# 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.

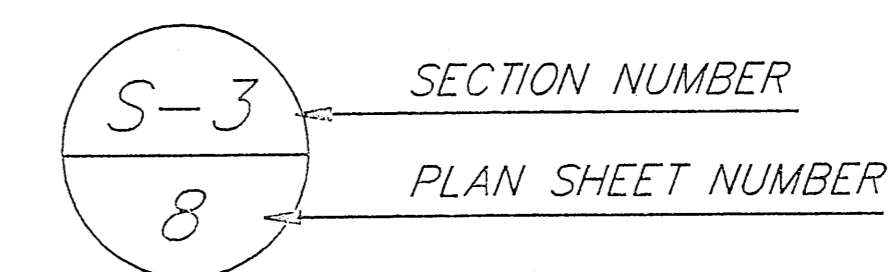
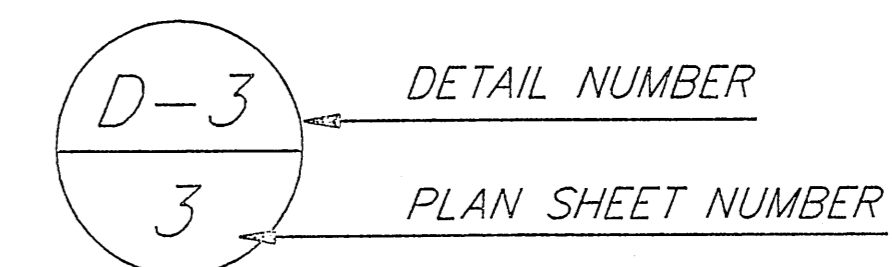
# PILING SUMMARY

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

- ALL STEEL HARDWARE SHALL BE HOT DIP GALVANIZED UNLESS OTHERWISE NOTED ON THE PLANS.
- 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.
- COUNTERSINK ALL BOLT HEADS FACING DECKING
- ALL TIMBER SHALL BE S4S EXCEPT FOR DECKING (MILLED S1S2E) & SIDING( RESAWN).
- ALL FINGER FLOATS SHALL BE ATTACHED PERPENDICULAR TO THE MAIN FLOAT.
- SEE SHEET 4 FOR THE NUMBERING SYSTEM OF STEEL PILING.
- SEE SPECIAL PROVISION FOR CONSTRUCTION RESTRICTION AS STATED IN THE ISSUED PERMITS.
- CONTRACTOR'S OPERATION SHALL NOT CONFLICT WITH BOAT TRAFFIC TO EXISTING FACILITY. BOAT ACCESS TO FLOAT FACILITY SHALL REMAIN ACCESSIBLE AT ALL TIMES.

## LEGEND



\*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

BY:	DATE:	DESCRIPTION OF CHANGE:

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

CRAIG

ALASKA

DESIGNED BY: D. SALDIVAR

PROJECT NO. 70469

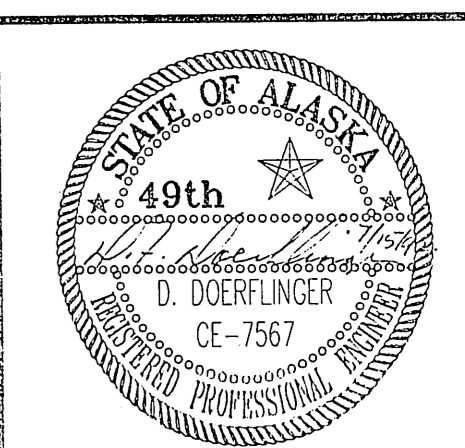
DRAWN BY: AUTOCADD/CSA

DATE: JULY 1992

CHECKED BY: D. DOERFLINGER

SHEET 2 OF 22

ESTIMATE OF QUANTITIES



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

Basis of Control

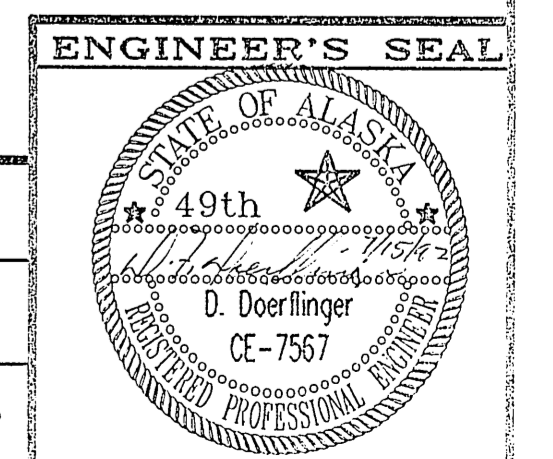
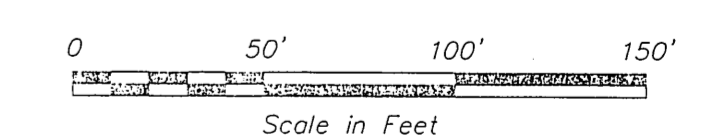
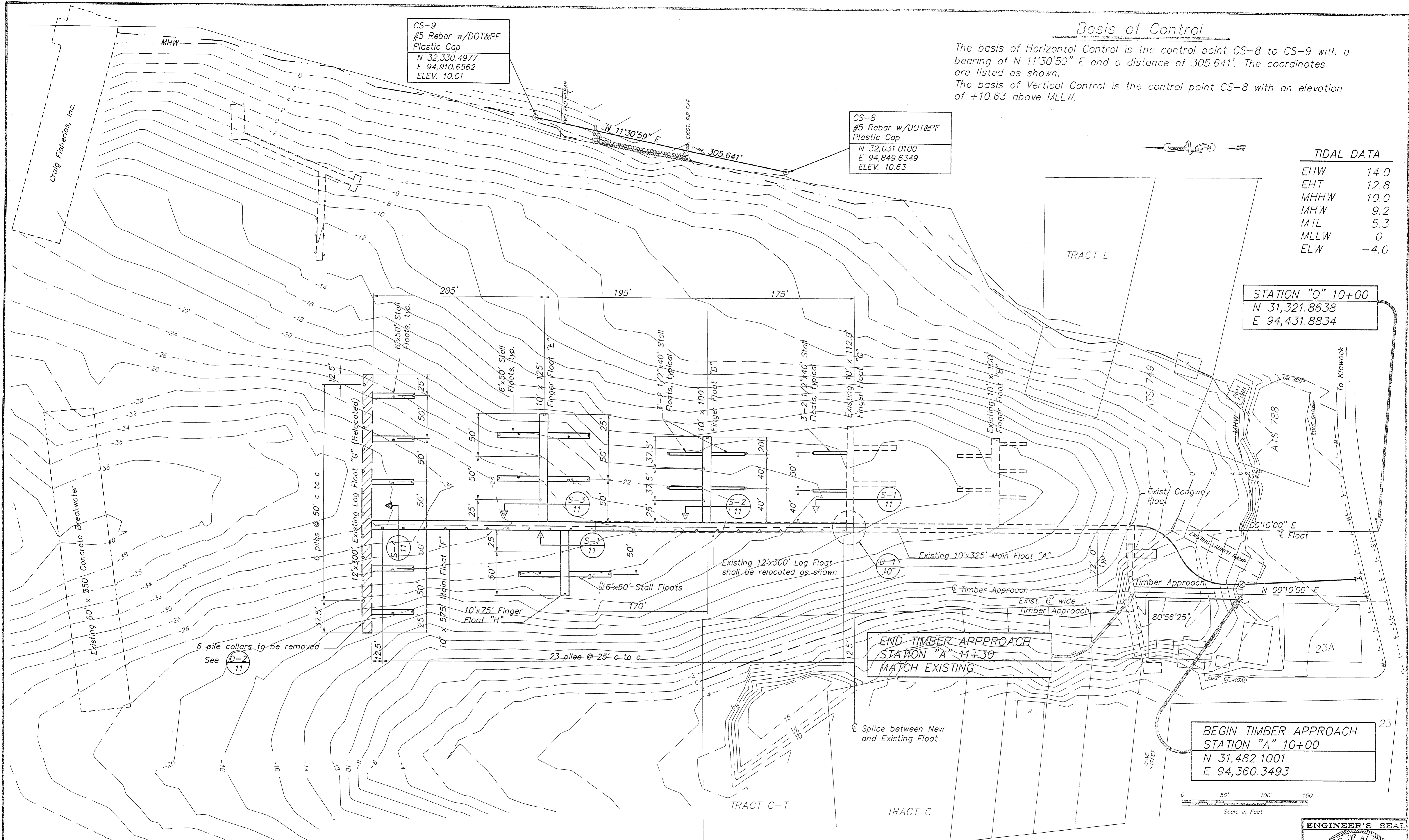
The basis of Horizontal Control is the control point CS-8 to CS-9 with a bearing of N 11°30'59" E and a distance of 305.641'. The coordinates are listed as shown.  
The basis of Vertical Control is the control point CS-8 with an elevation of +10.63 above MLLW.

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



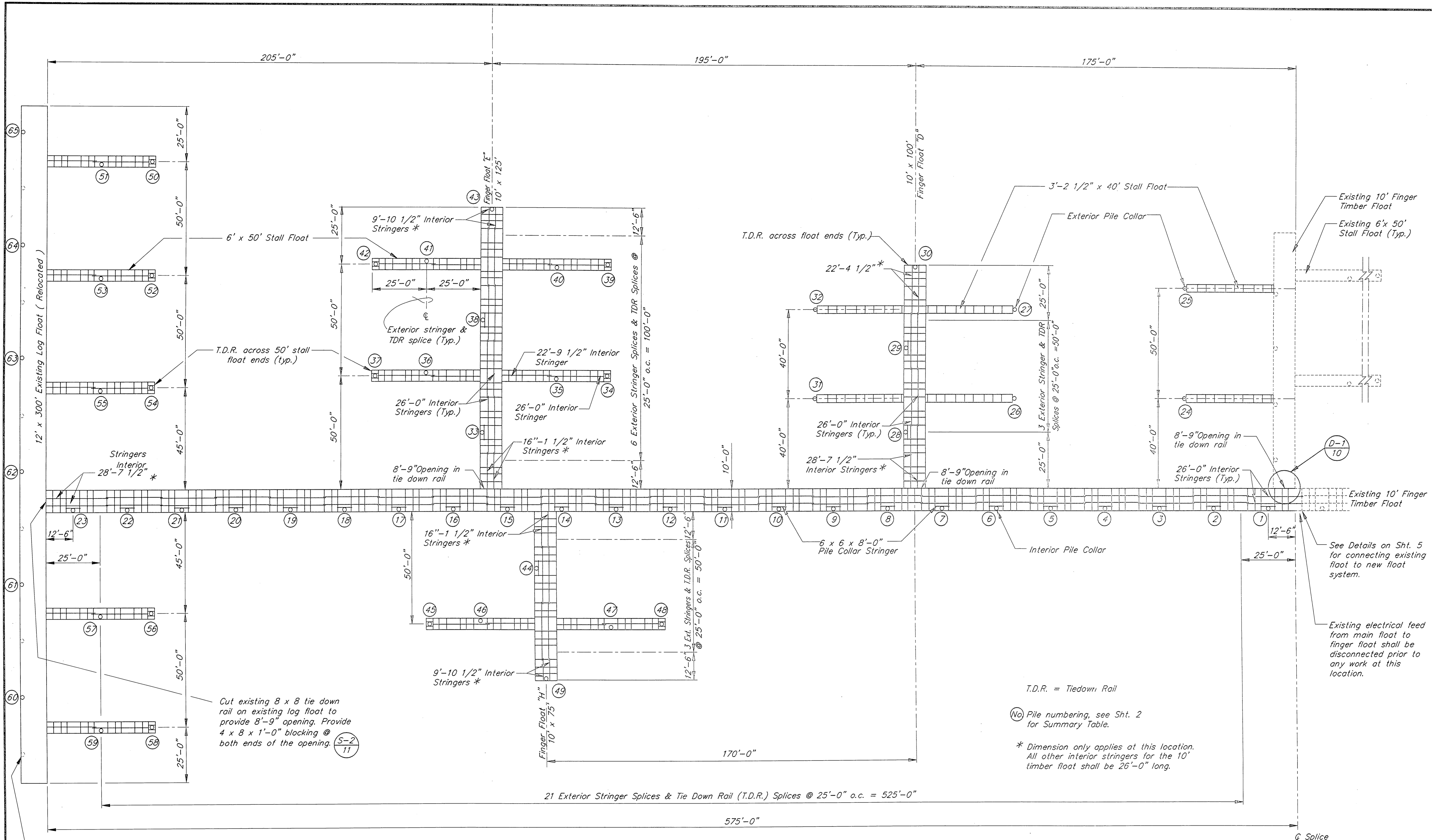
BY:	DATE:	DESCRIPTION OF CHANGE:

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

CRAIG

FLOAT LAYOUT

ALASKA	DESIGNED BY: DDS	PROJECT No. 70649
	DRAWN BY: AutoCAD / BWB	DATE: JulY 1992
	CHECKED BY: DFD	SHEET 3 OF 22



T.D.R. = Tiedown Rail

(No) Pile numbering, see Sht. 2 for Summary Table.

\* Dimension only applies at this location. All other interior stringers for the 10' timber float shall be 26'-0" long.

See Details on Sht. 5 for connecting existing float to new float system.

Existing electrical feed from main float to finger float shall be disconnected prior to any work at this location.

Existing pile collar to be removed (dashed), 6 total. See (D-1) 11

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

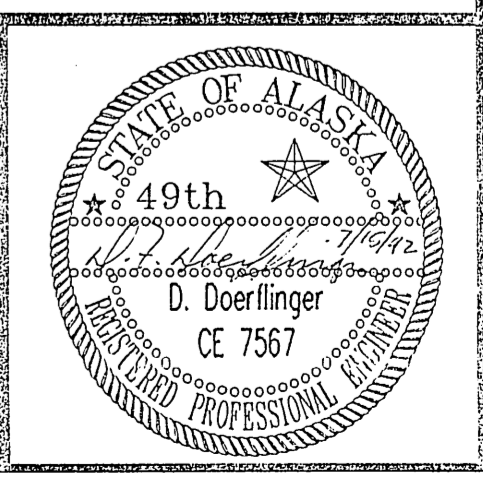
BY:	DATE:	DESCRIPTION OF CHANGE:

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

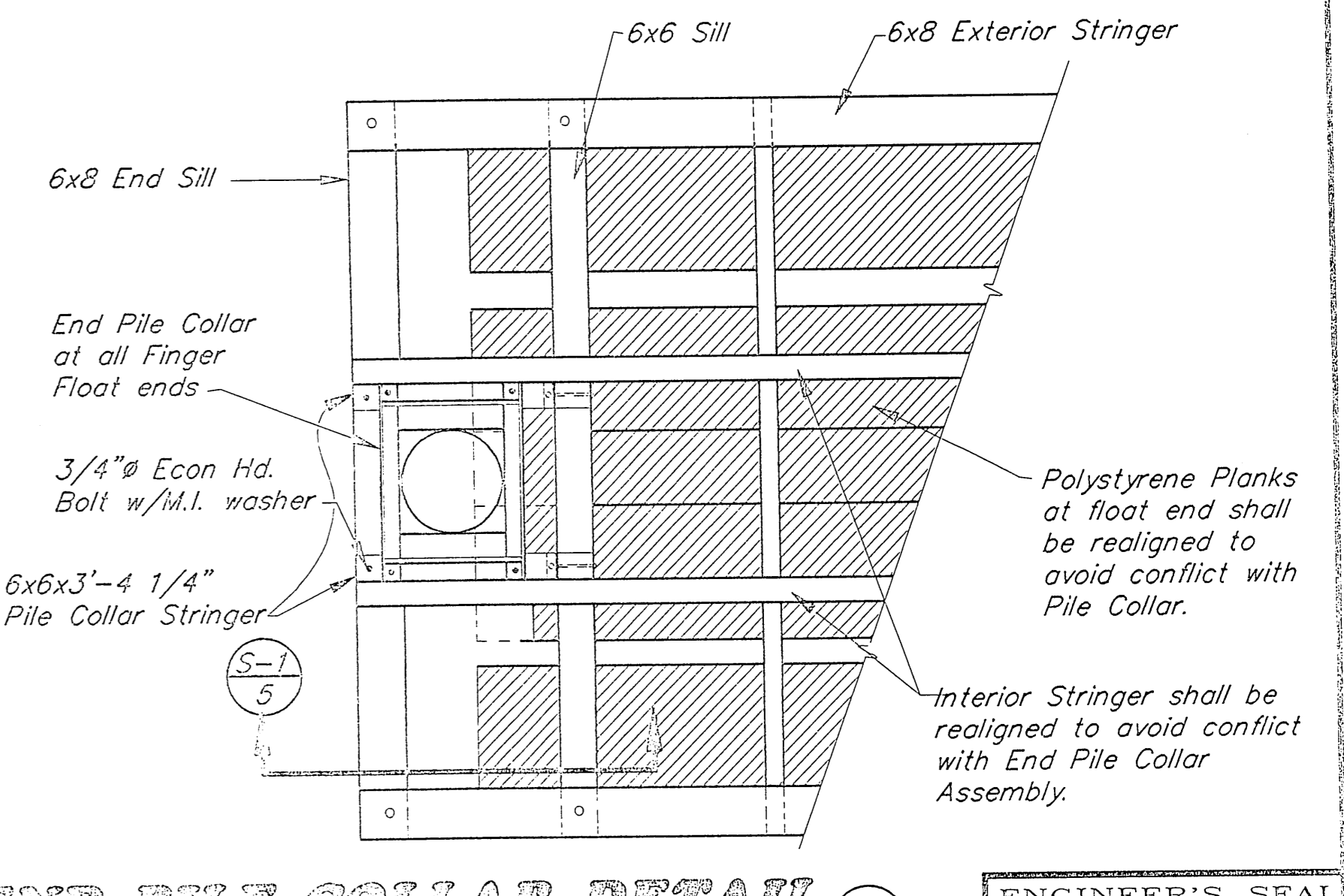
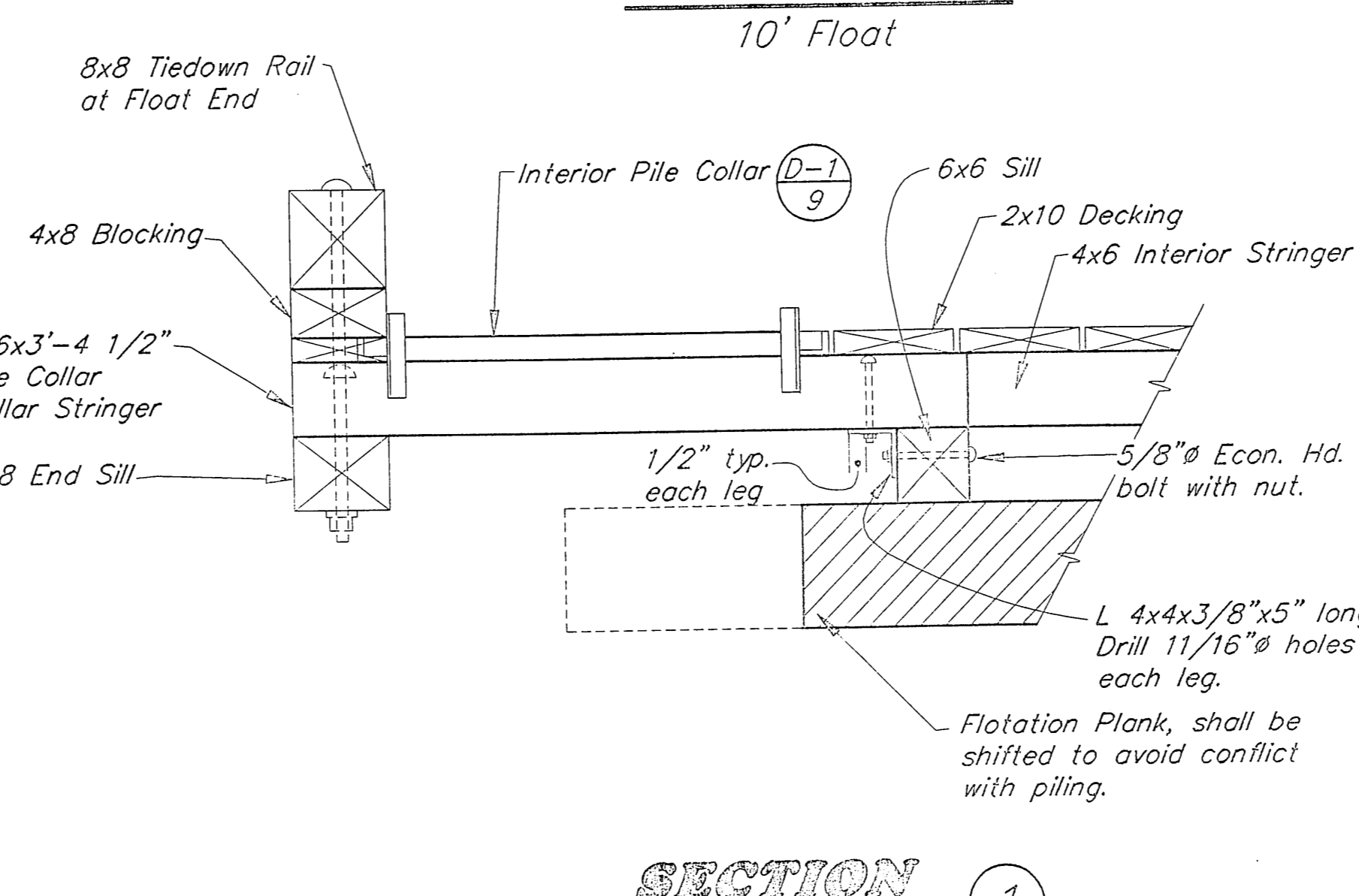
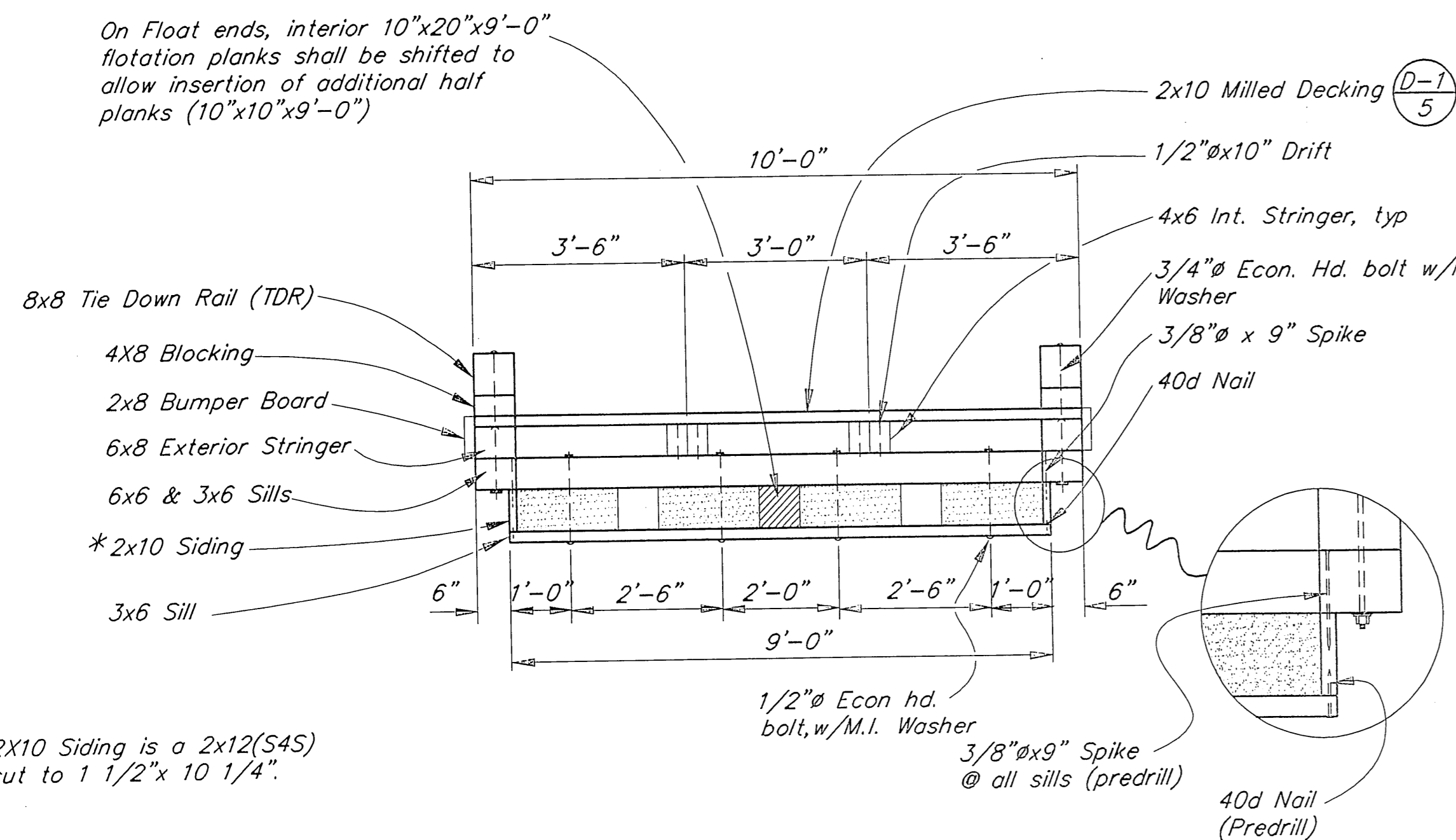
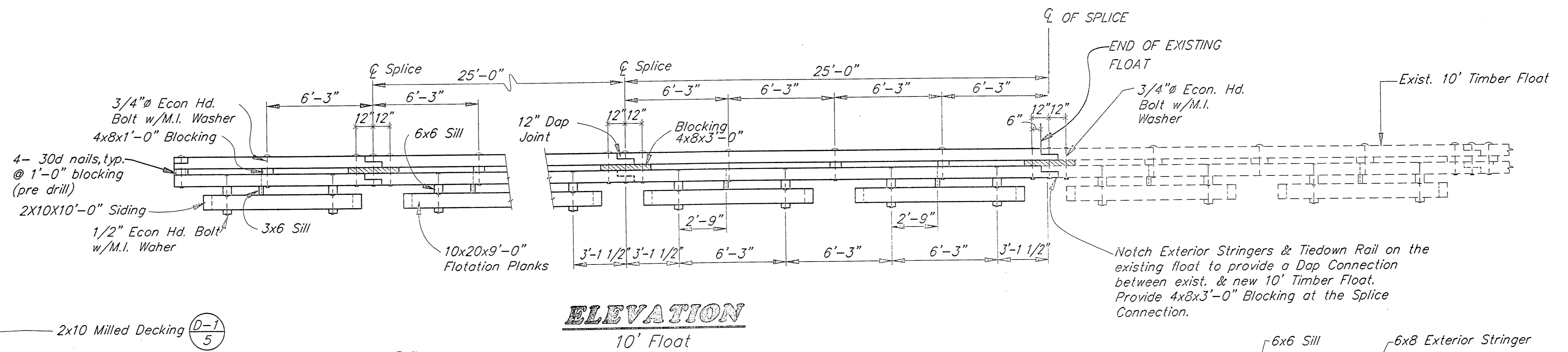
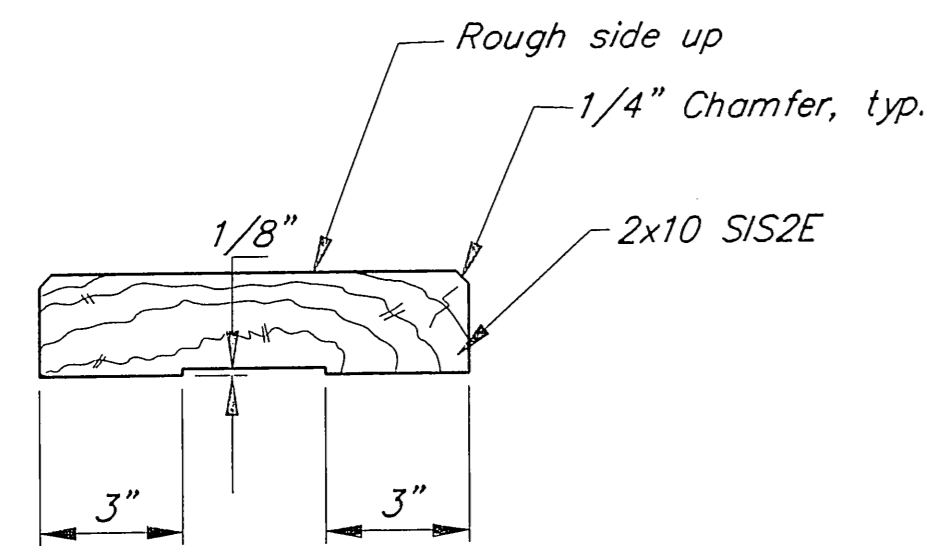
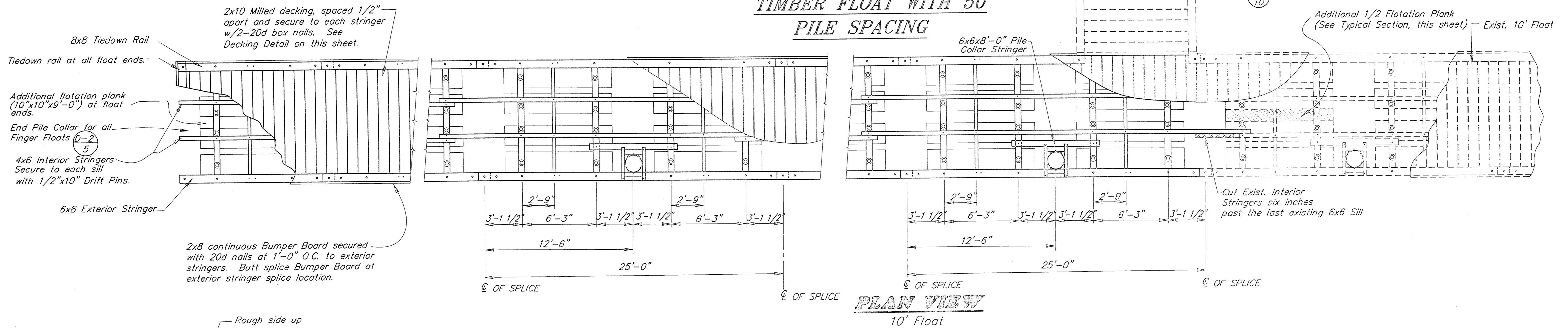
Craig

### 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



**SEE FLOAT LAYOUT FOR  
TIMBER FLOAT WITH 50'  
PILE SPACING**



NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

BY:	DATE:	DESCRIPTION OF CHANGE:

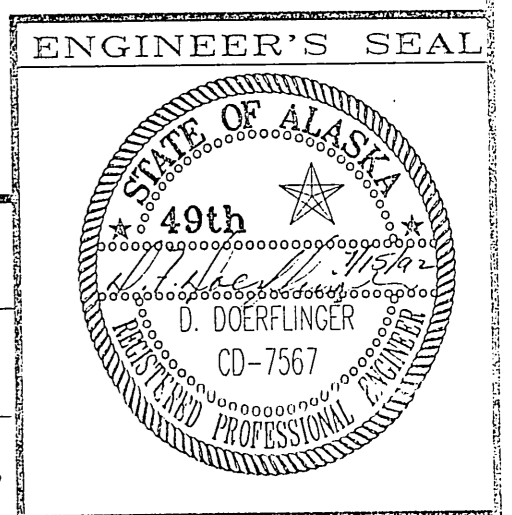
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DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
SOUTHEAST REGION DESIGN & CONSTRUCTION

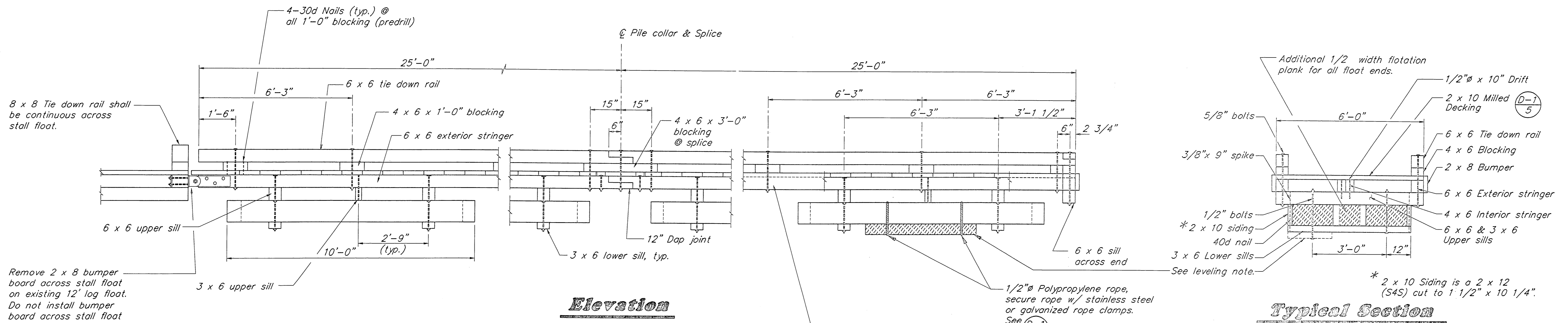
Craig

**10' TIMBER FLOAT**

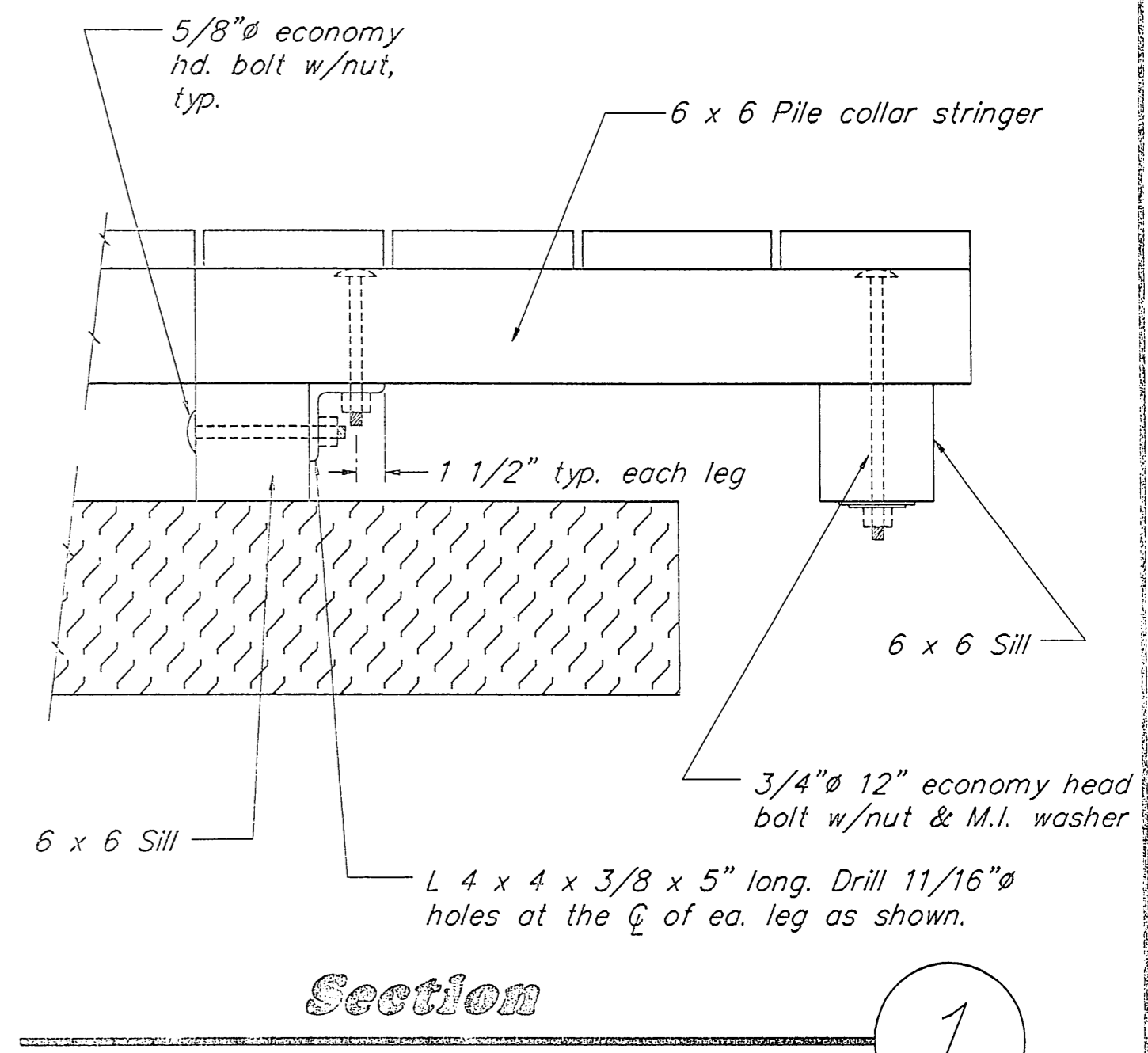
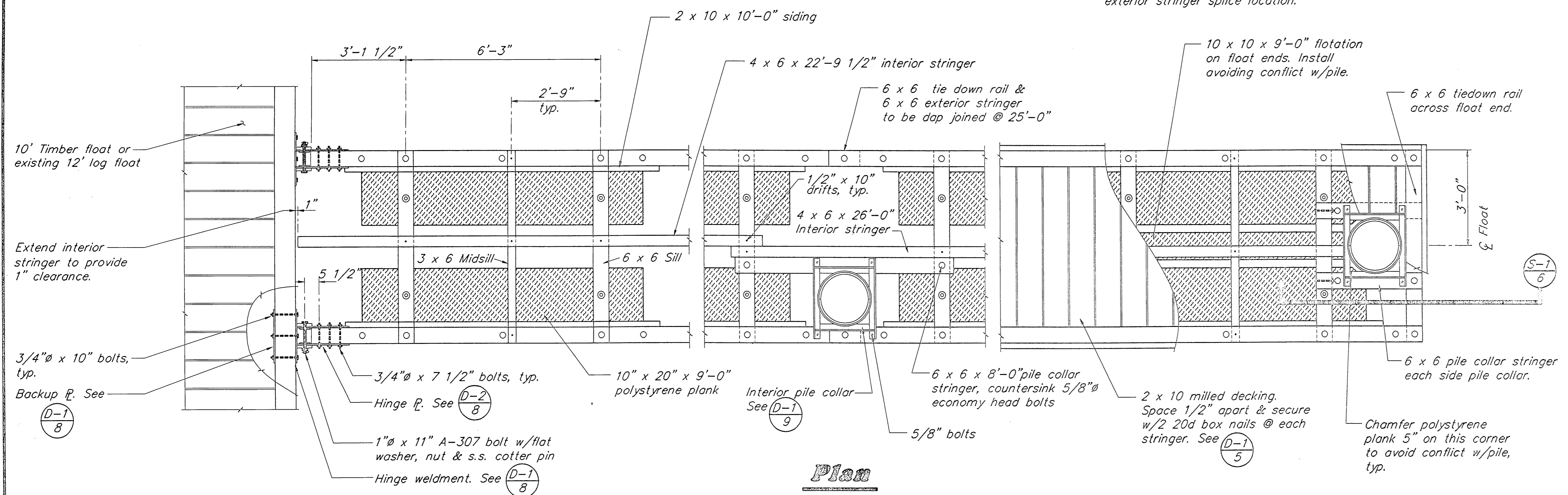
Alaska  
DESIGNED BY: D. SALDIVAR  
DRAWN BY: AUTOCADD/CSA  
CHECKED BY: D. DOERFLINGER

PROJECT NO. 70649  
DATE: JULY 1992  
SHEET 5 OF 22

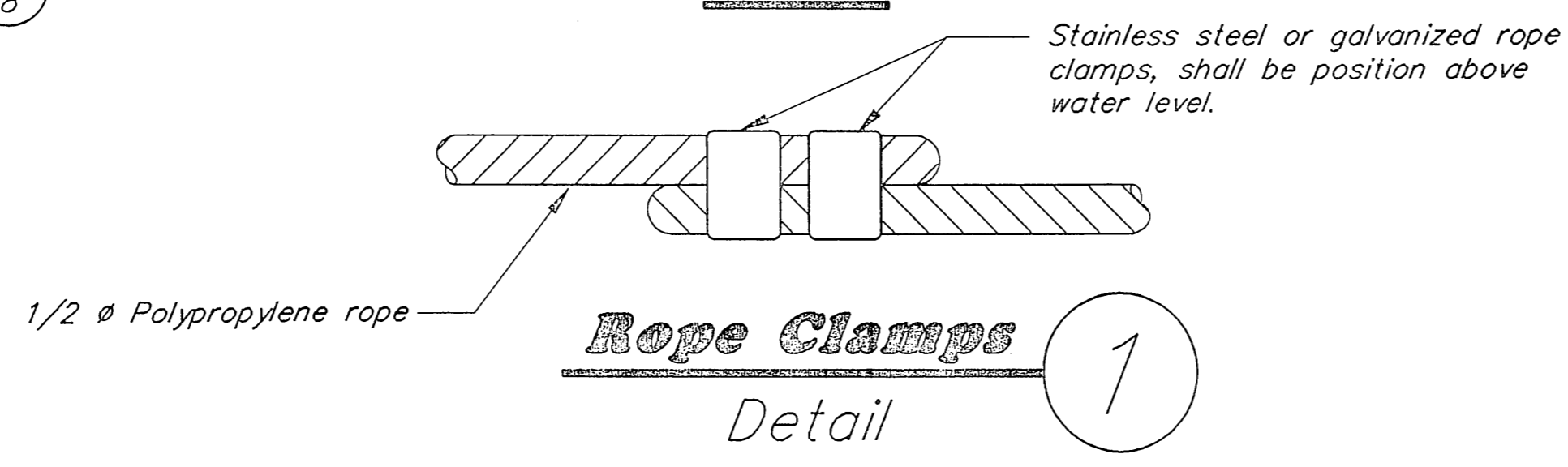




**Typical Section**



**End Pile Collar Stringer**



**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.

BY:	DATE:	DESCRIPTION OF CHANGE:

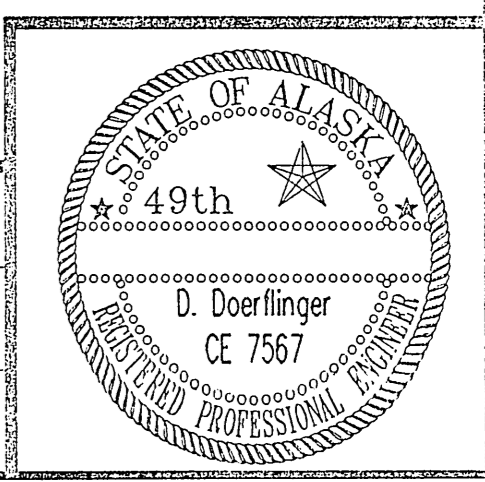
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 AND PUBLIC FACILITIES  
 SOUTHEAST REGION DESIGN & CONSTRUCTION

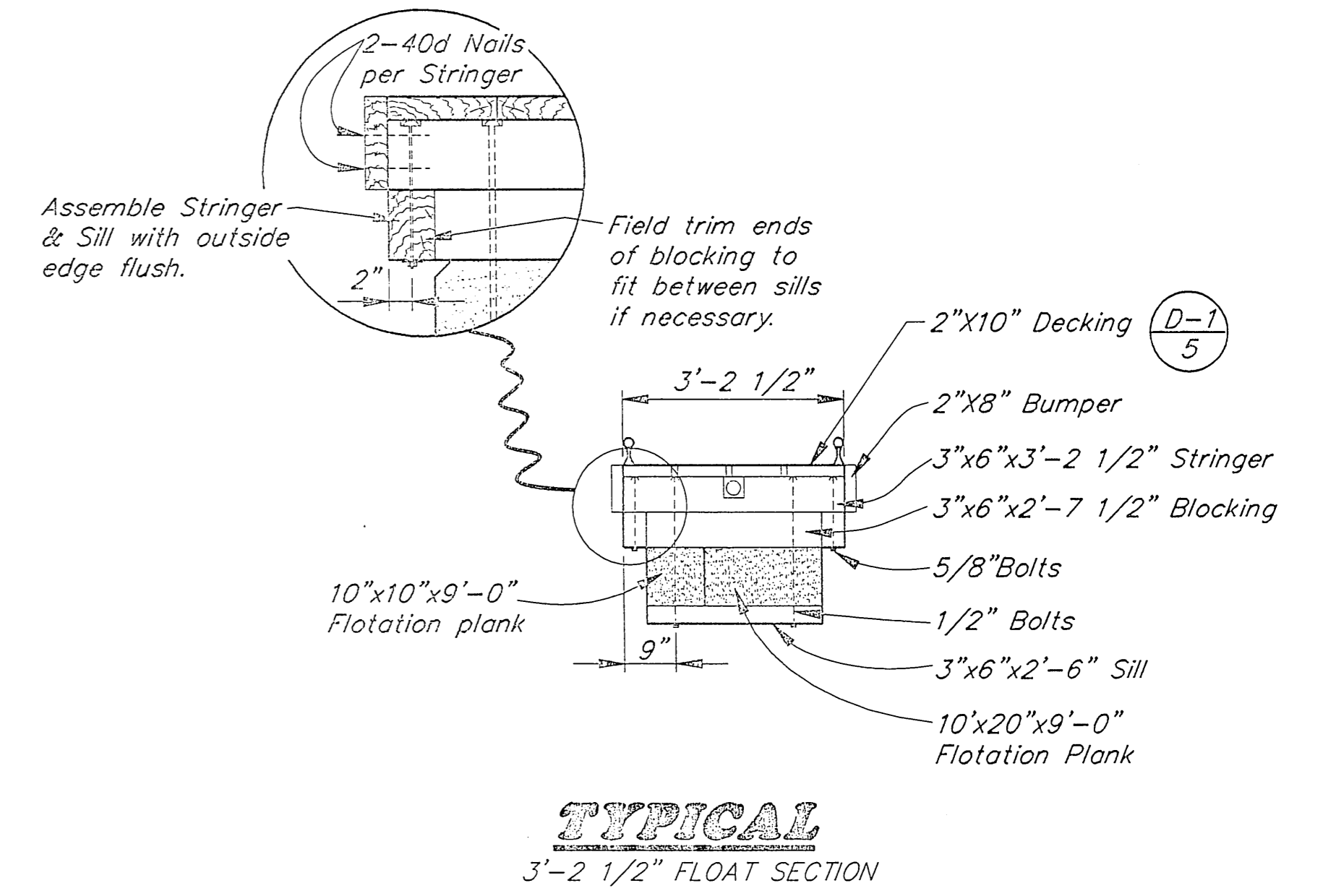
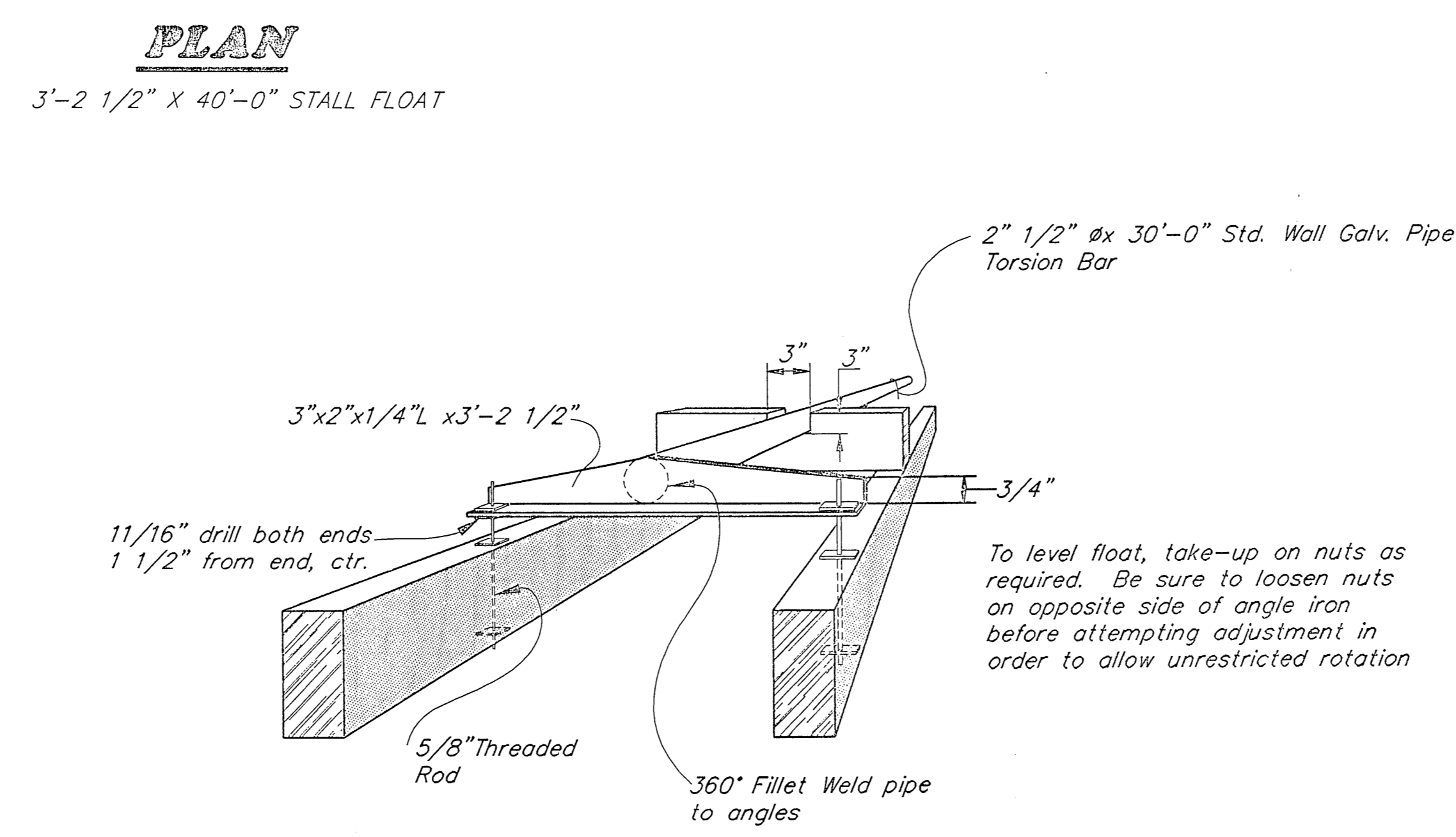
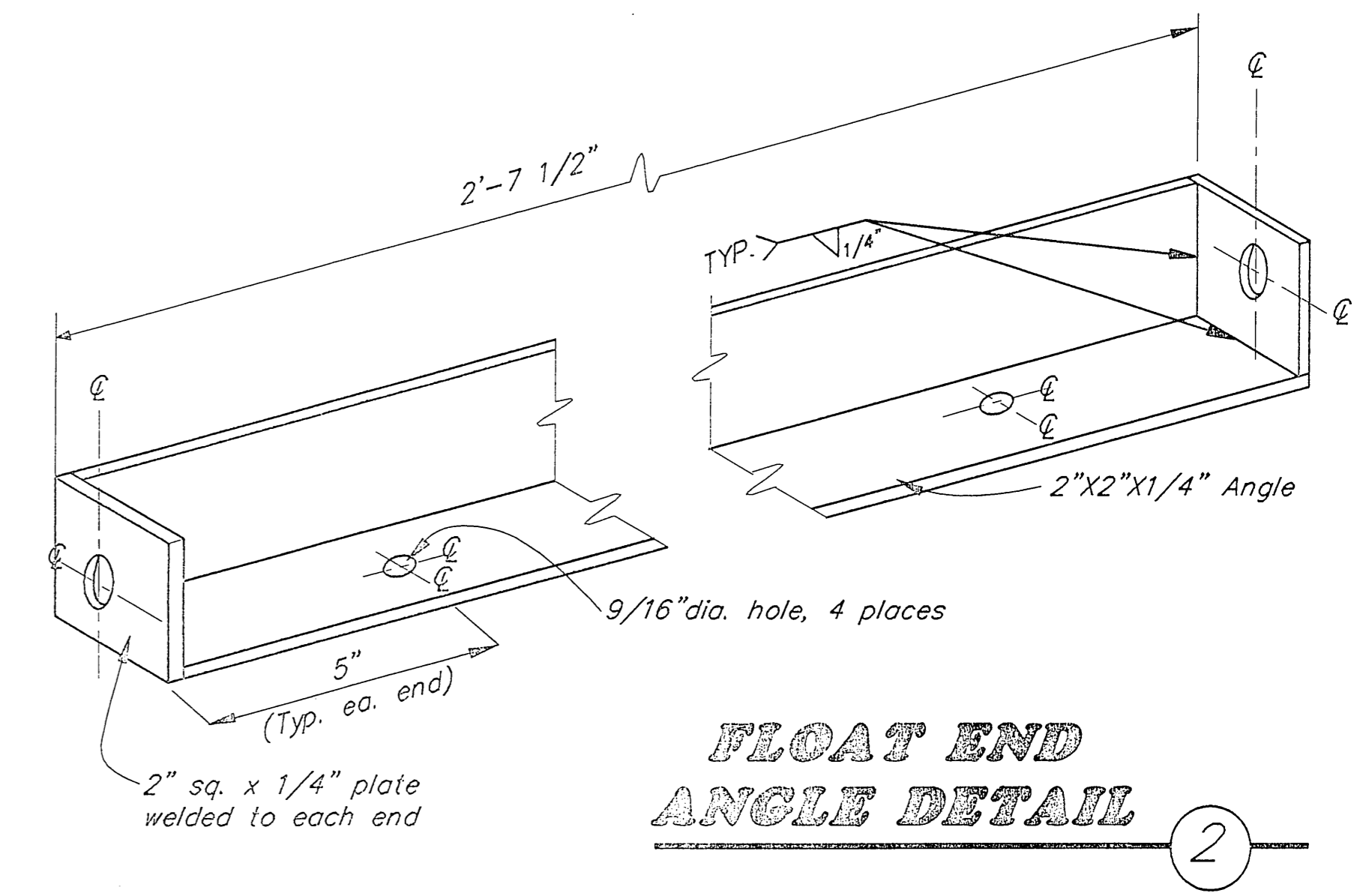
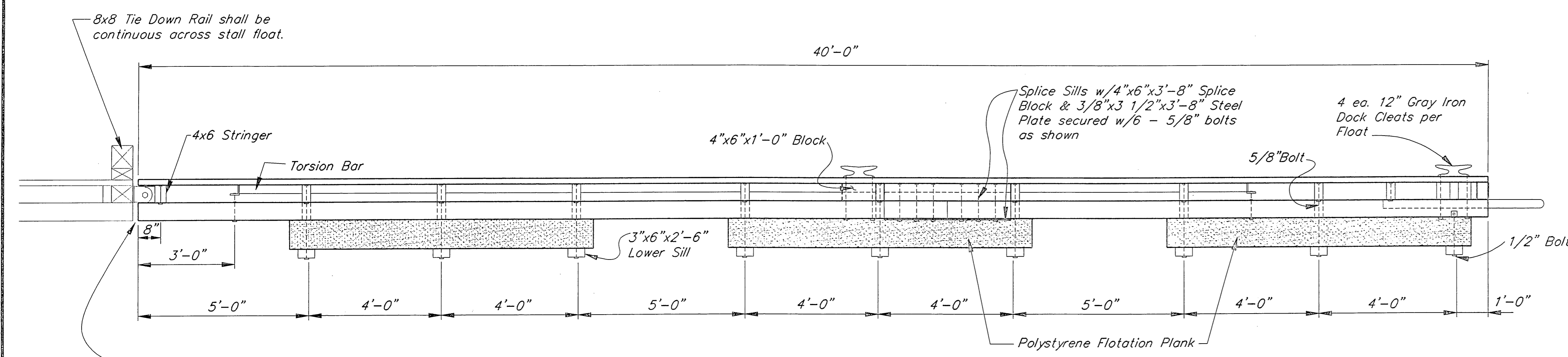
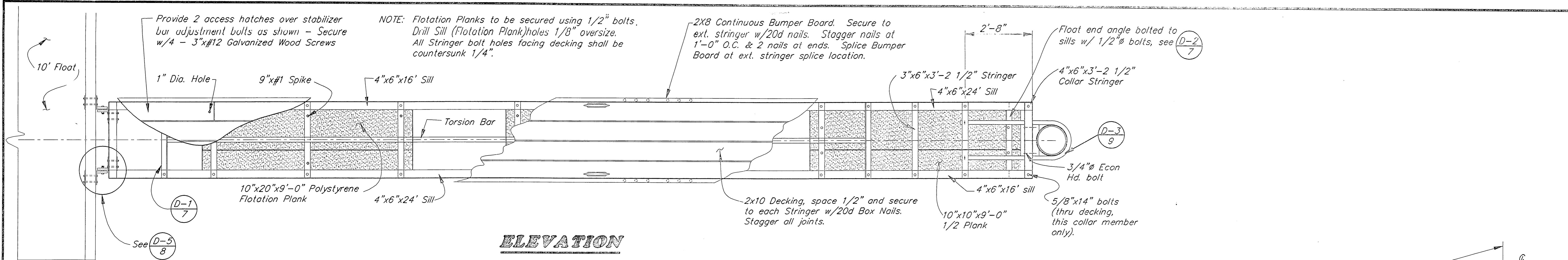
Craig

**6' x 50' STALL FLOAT**

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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





BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

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

Craig

ALASKA

DESIGNED BY: D. SALDIVAR

DRAWN BY: AUTOCADD/CSA

CHECKED BY: D. DOERFLINGER

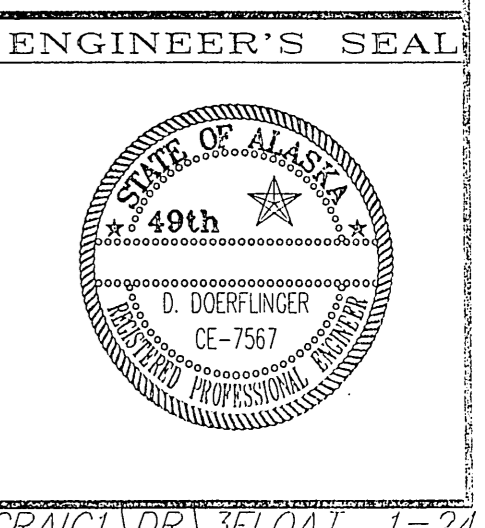
PROJECT NO. 70489

DATE: JUNLY 1992

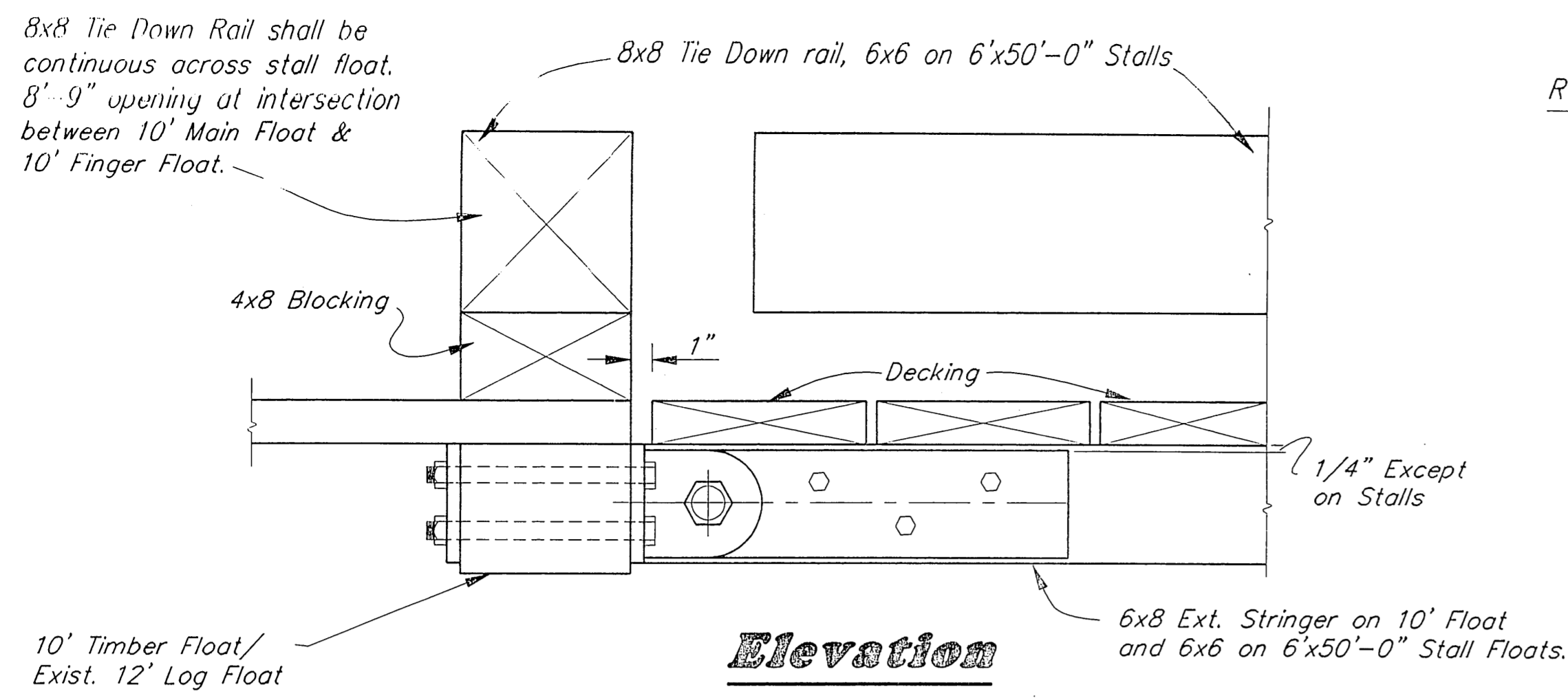
SHEET 7 OF 22

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

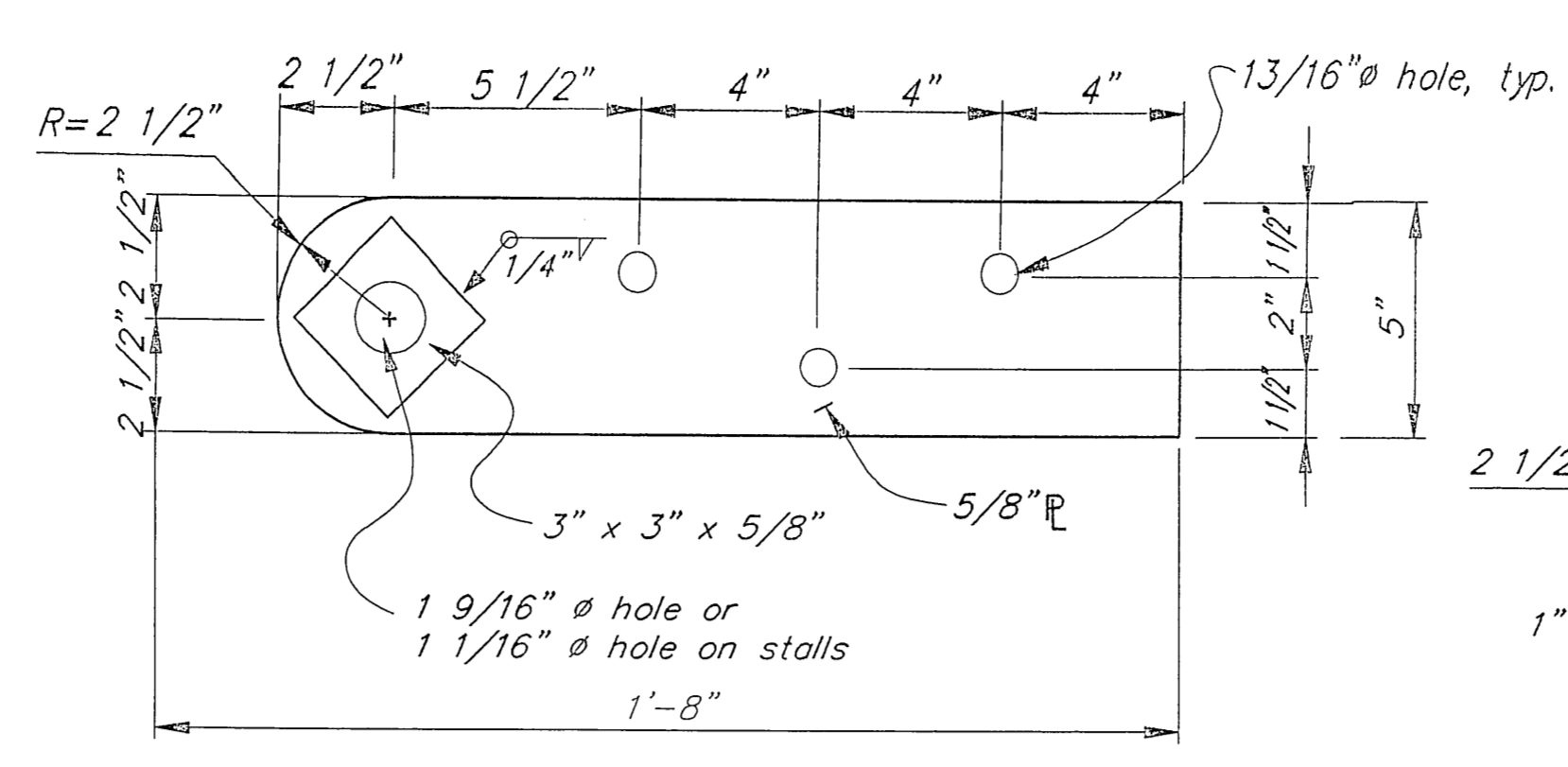
NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS



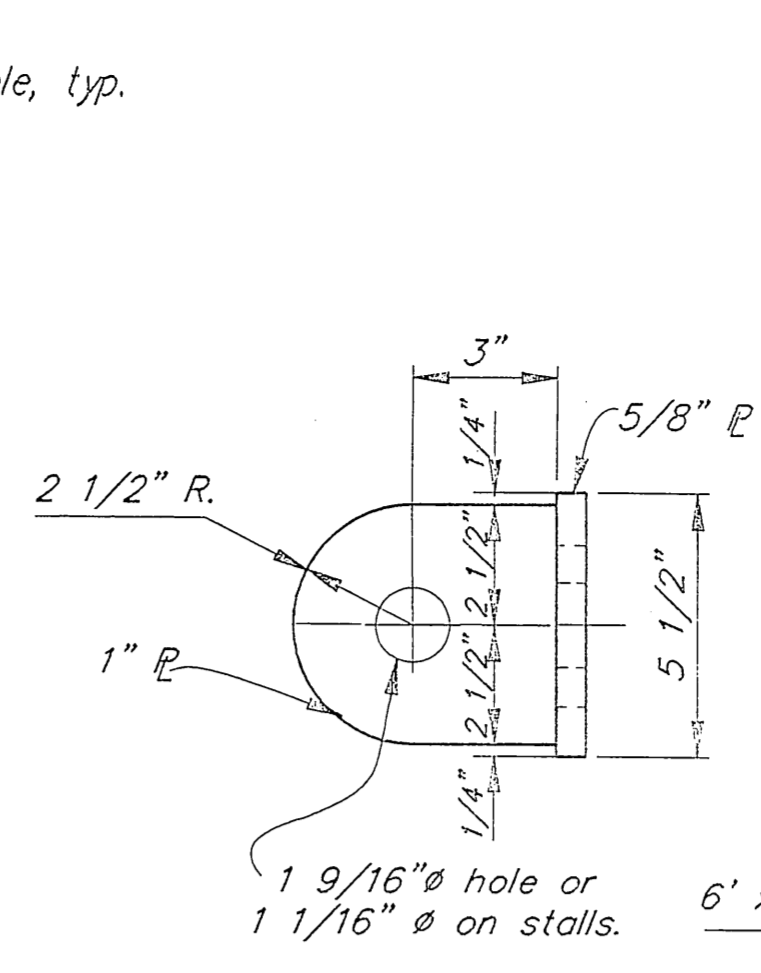
8x8 Tie Down Rail shall be continuous across stall float. 8'-9" opening at intersection between 10' Main Float & 10' Finger Float.



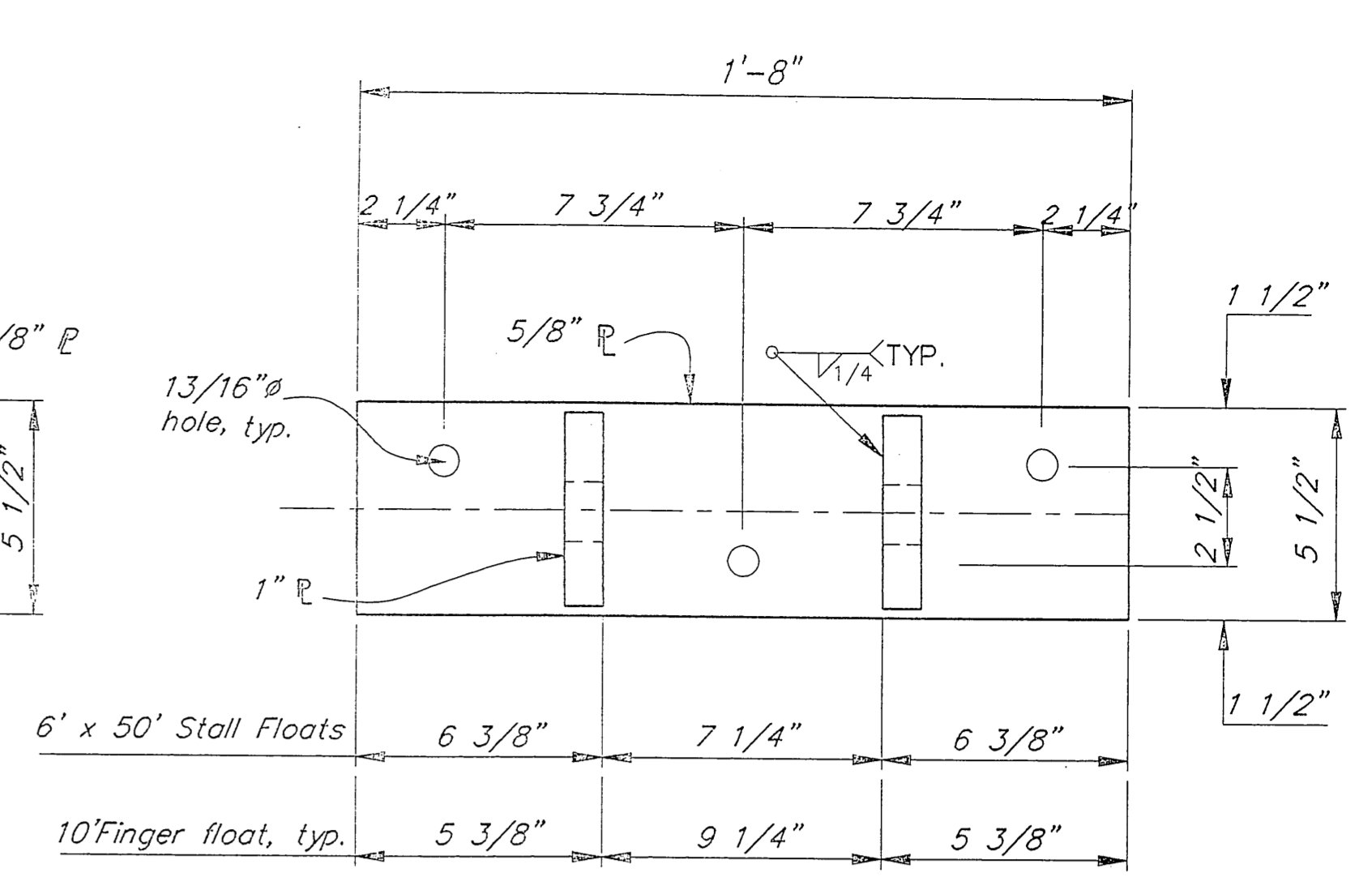
**Elevation**



**Hinge Plate Detail**  
6' x 50' Stall Float & 10' Finger Float

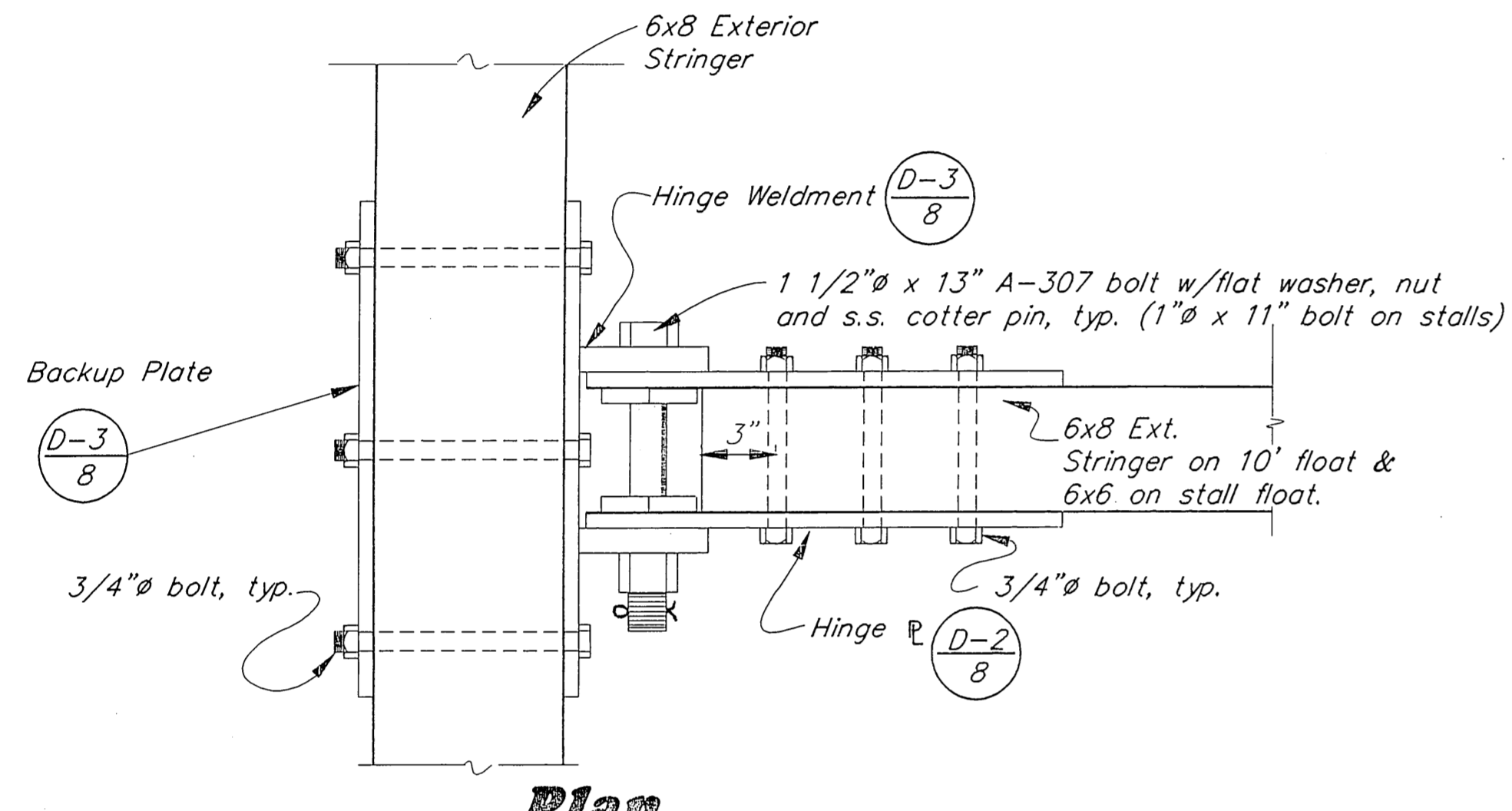


**Profile**

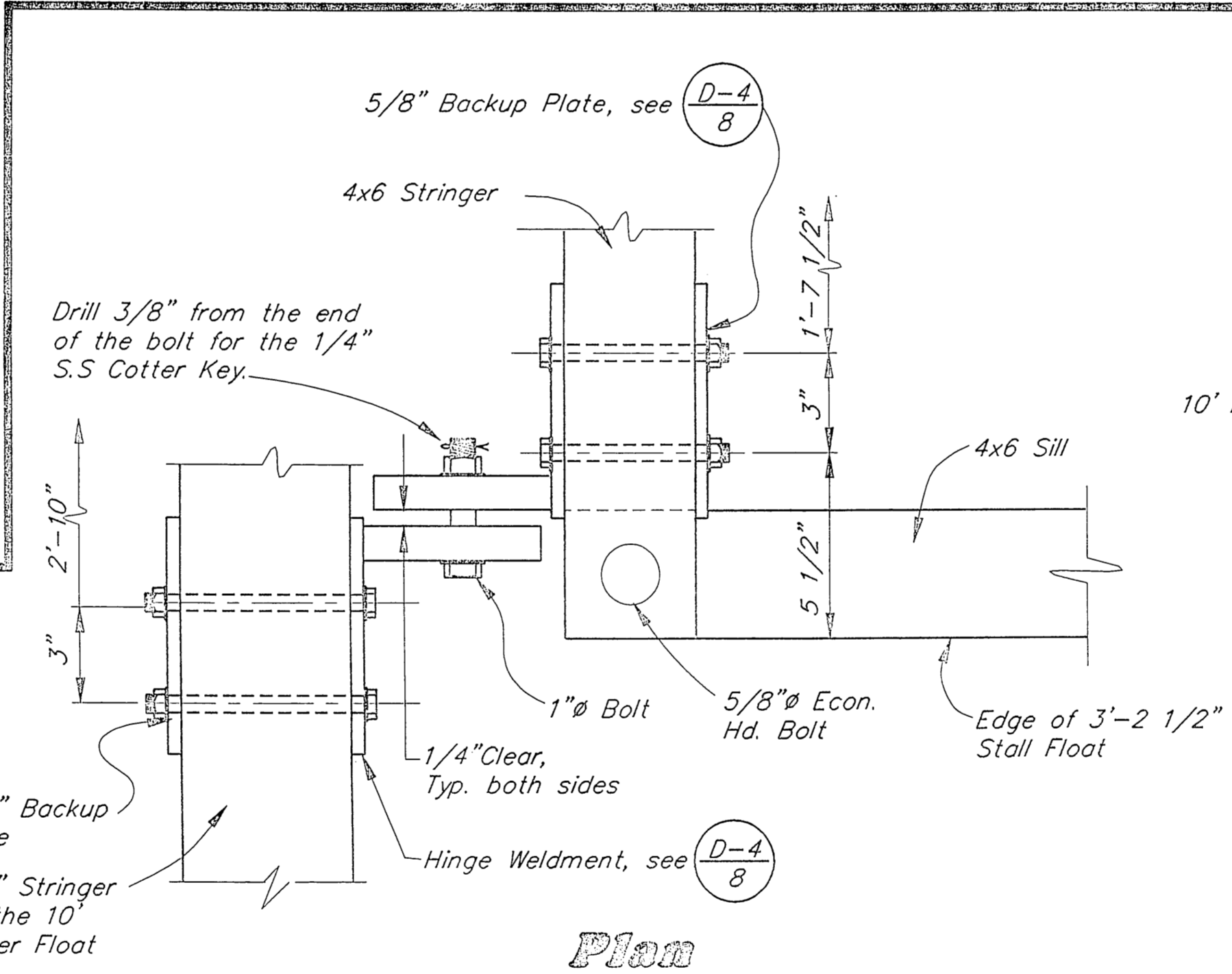


**Elevation**  
**HINGE WELDMENT & BACKUP PLATE**  
6' x 50' Stall Float & 10' Finger Float

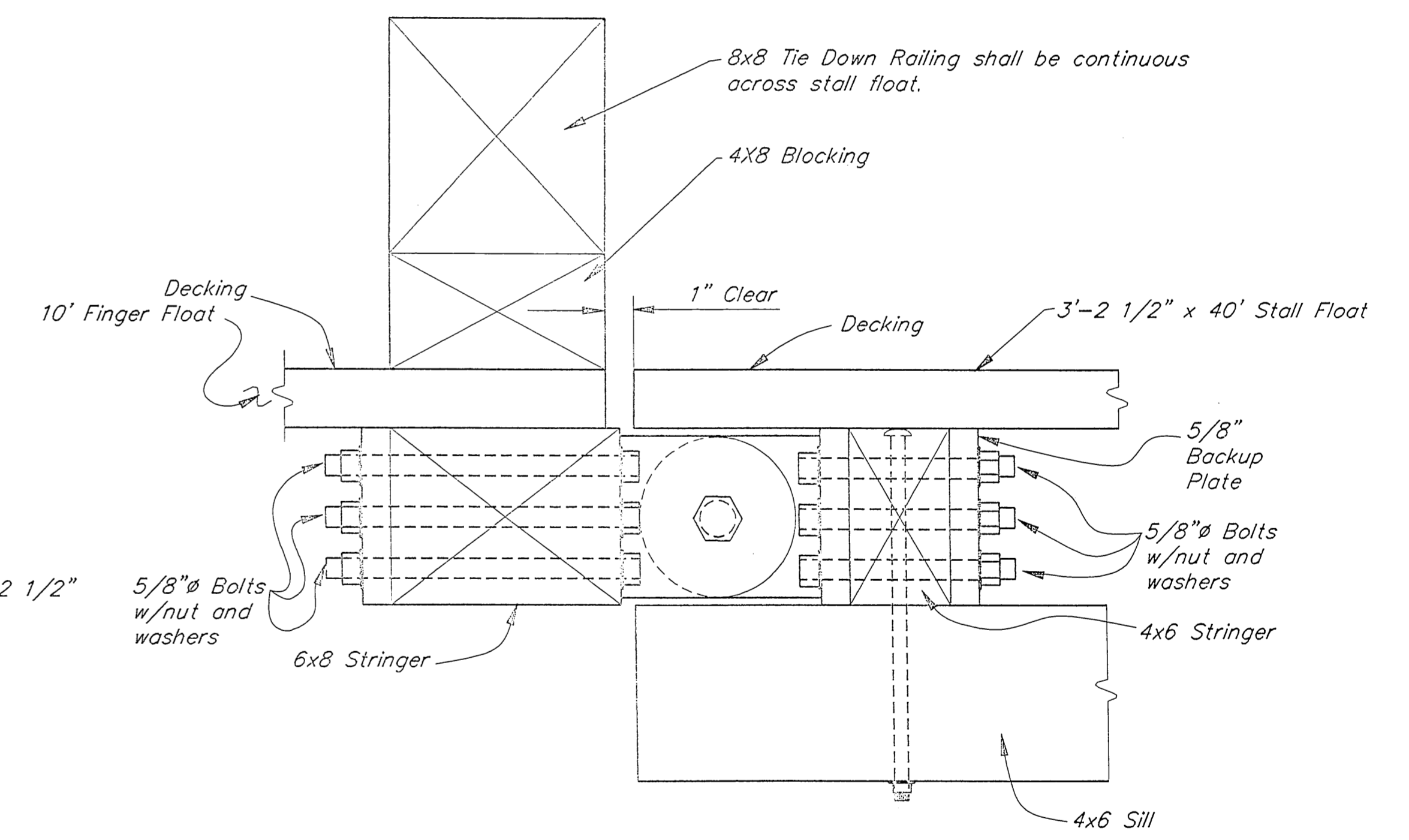
Note: Hinge Weldment shown, Backup P is identical except w/o 1" plates.



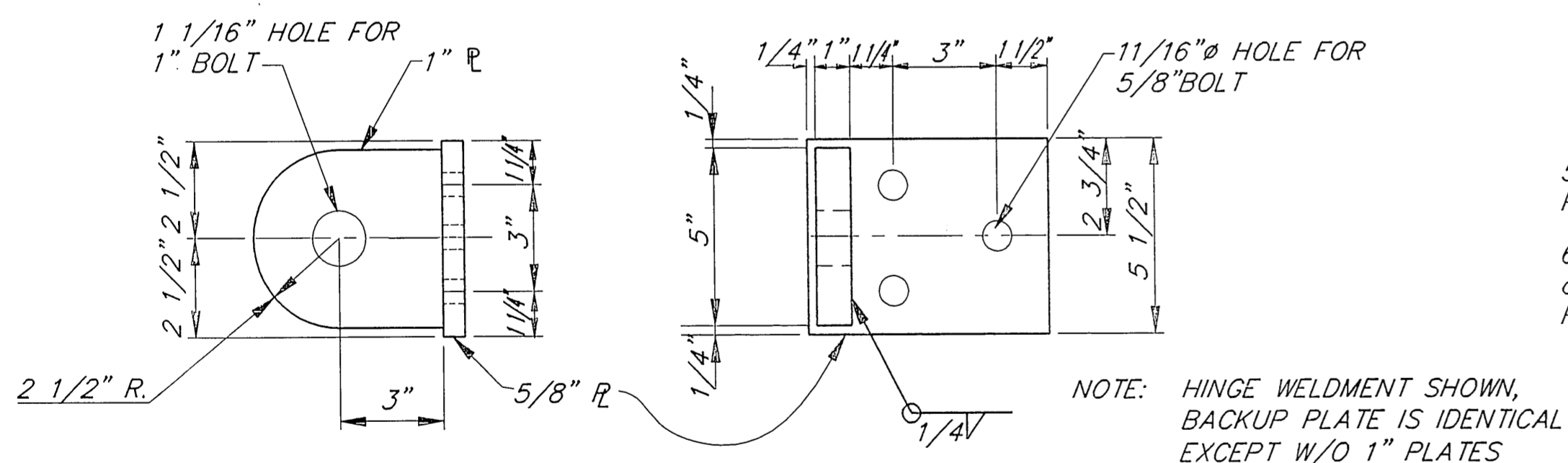
**Plan**  
**HINGE CONNECTION DETAIL**  
6' x 50' Stall Float/10' Finger Float



**Plan**  
**HINGE CONNECTION DETAIL**  
3'-2 1/2" X 40' Stall Float



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



**Profile**  
**Elevation**  
**HINGE WELDMENT & BACKUP PLATE**  
3'-2 1/2" X 40' Stall Float

BY:	DATE:	DESCRIPTION OF CHANGE:

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

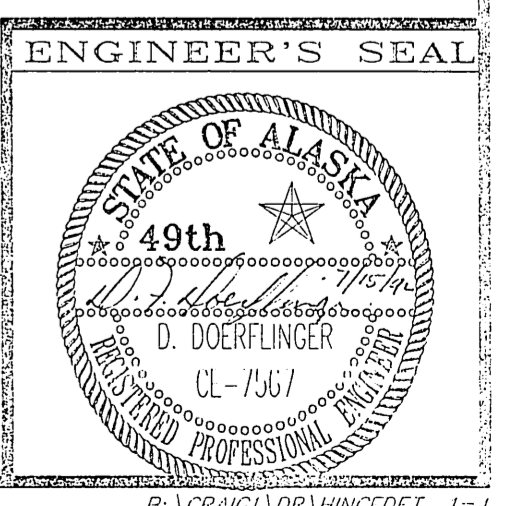
Craig

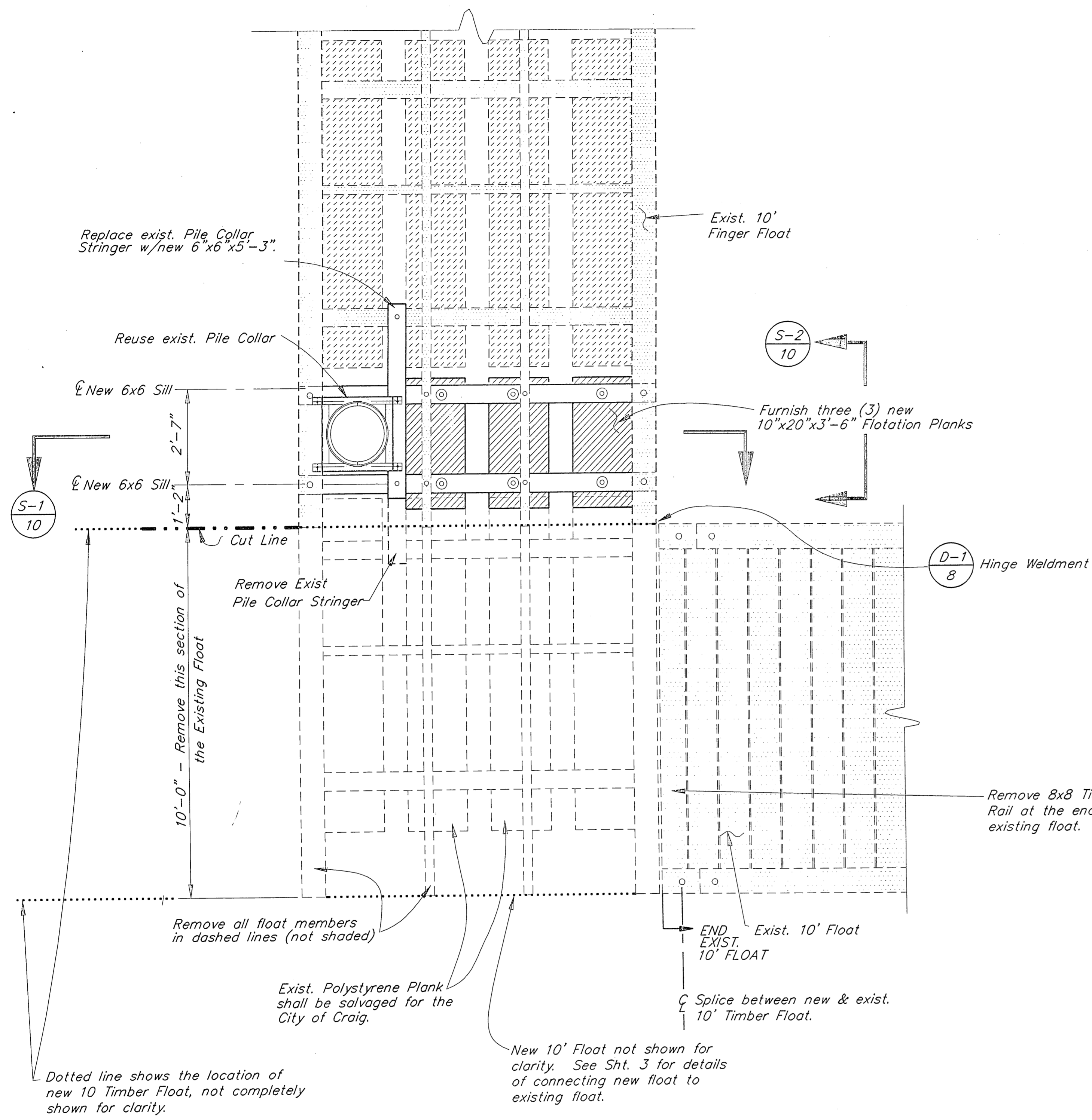
**HINGE CONNECTION DETAIL**  
3'-2 1/2" X 40' Stall Float

**HINGE CONNECTION DETAILS**

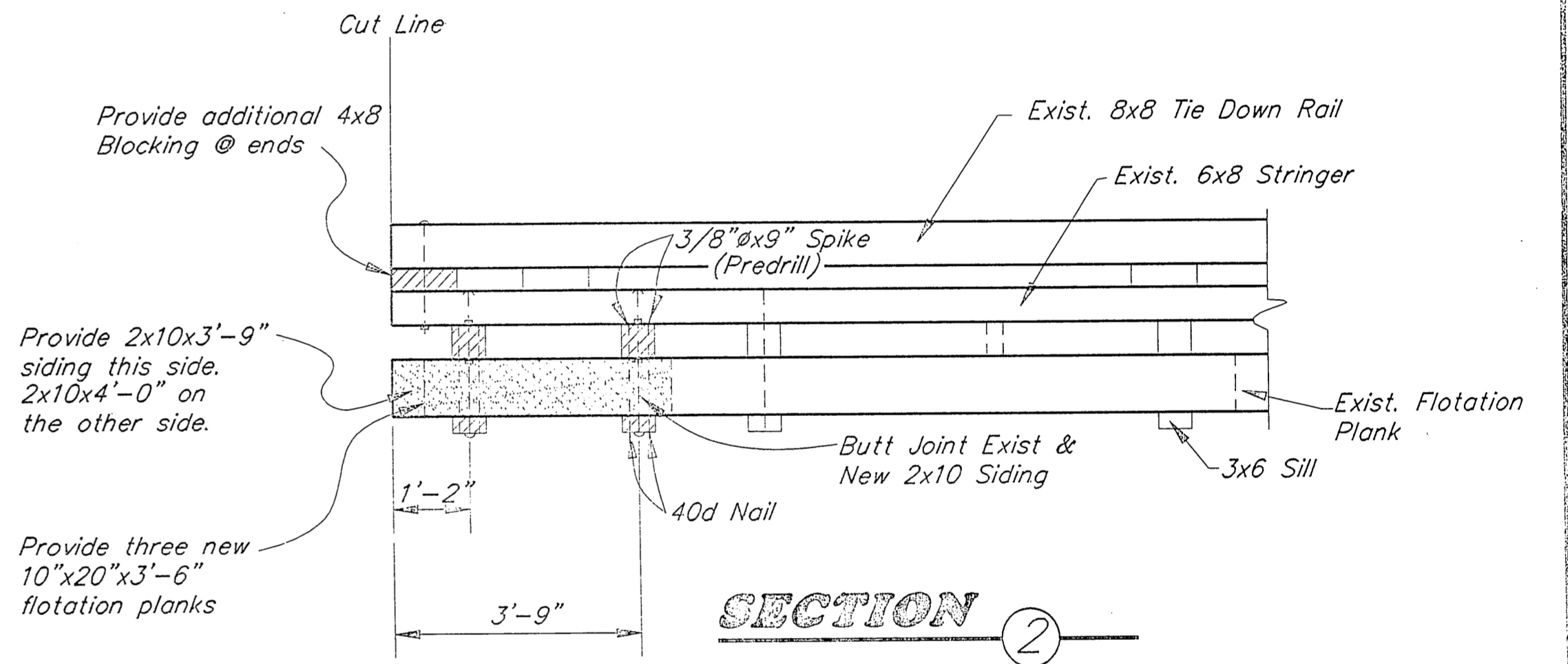
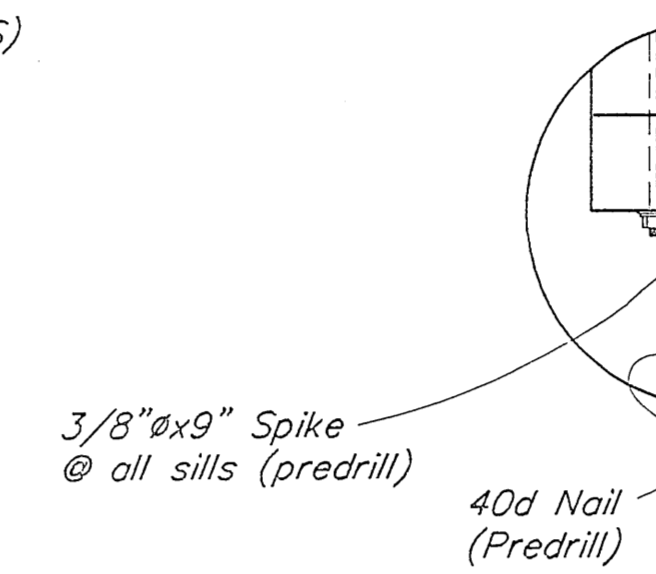
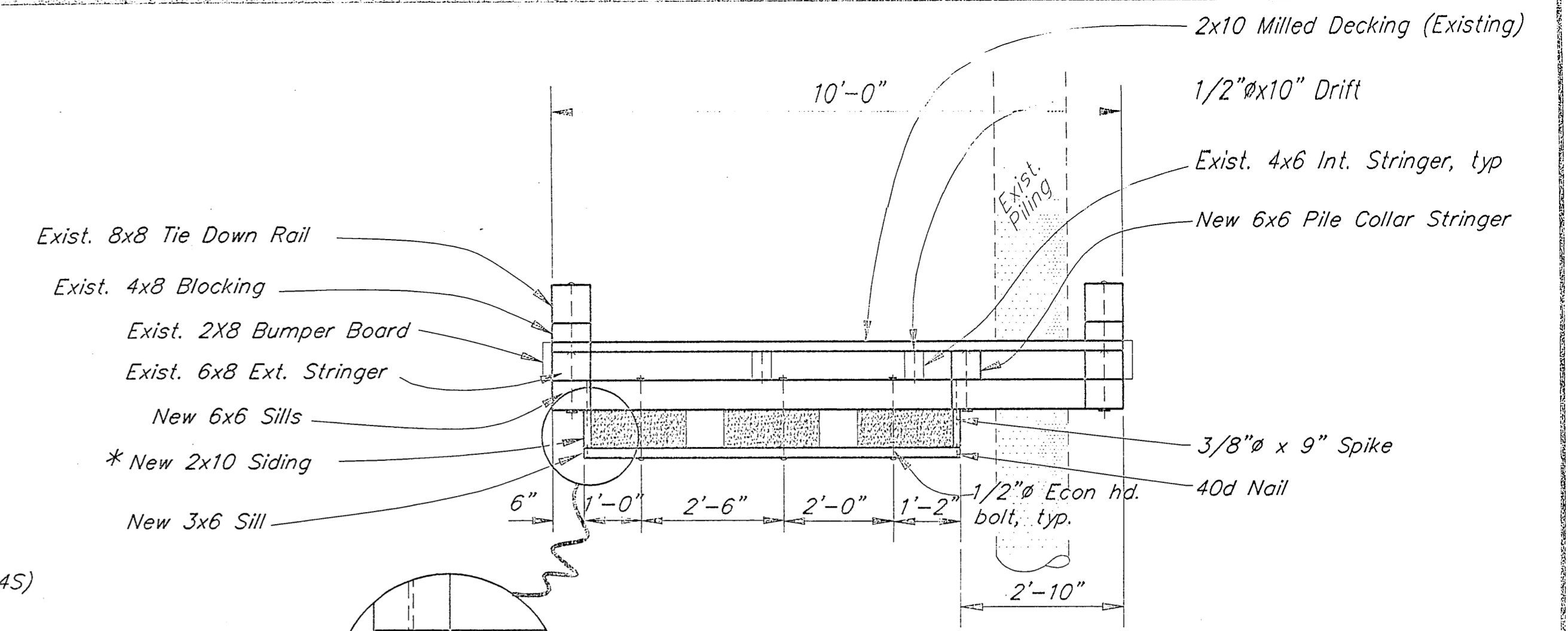
NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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





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



**RECONSTRUCTION DETAIL** ①  
EXISTING FLOAT

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

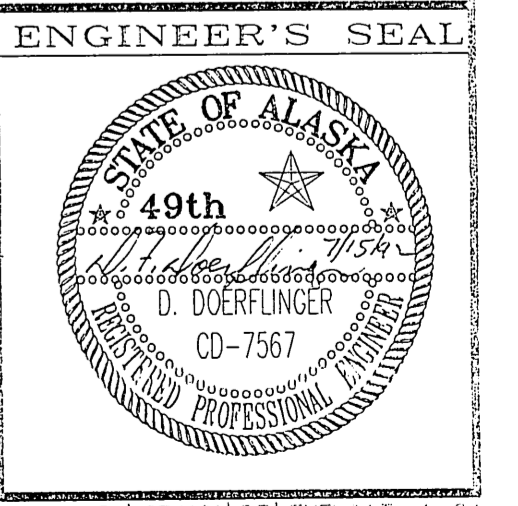
BY:	DATE:	DESCRIPTION OF CHANGE:

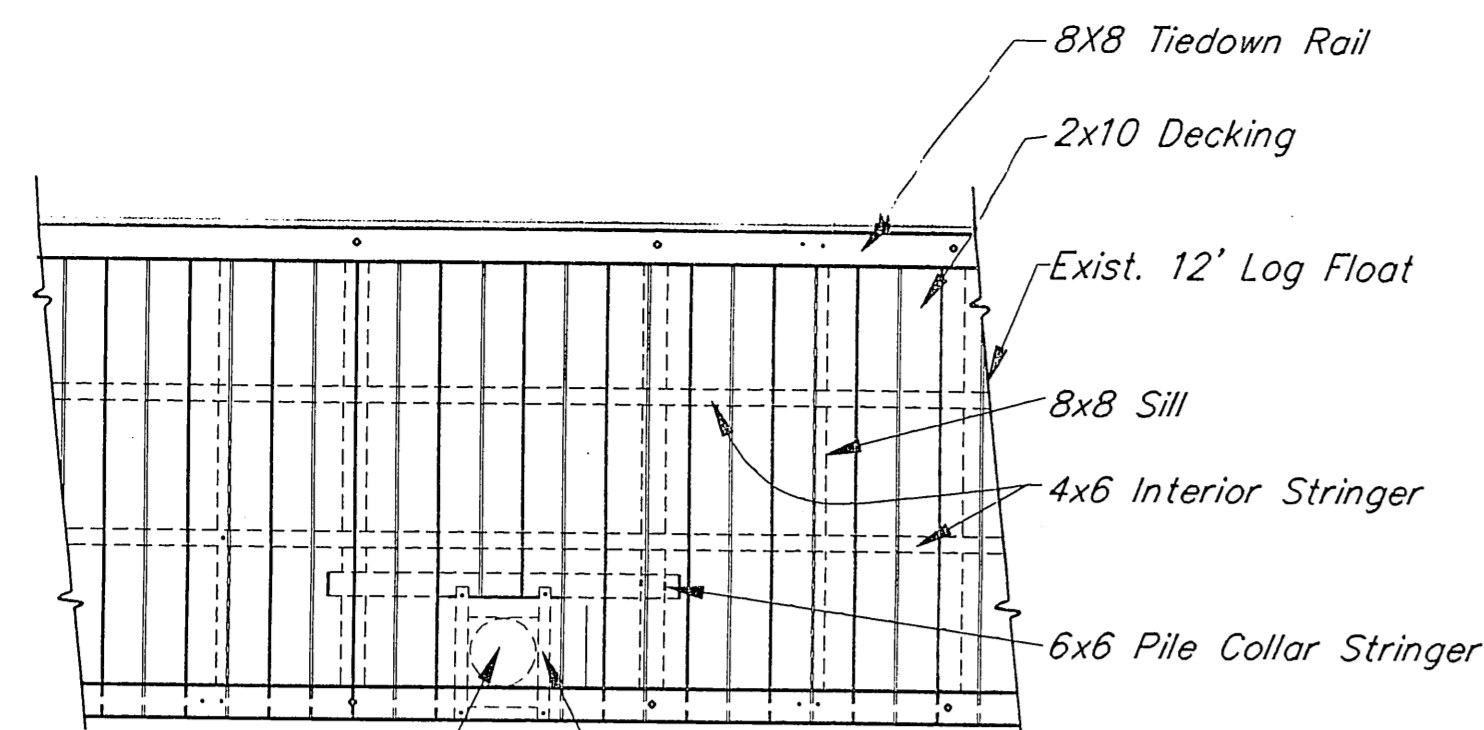
STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
SOUTHEAST REGION DESIGN & CONSTRUCTION

Craig

**EXISTING FLOAT RECONSTRUCTION DETAILS**

DESIGNED BY: D. SALDIVAR	PROJECT NO. 70649
DRAWN BY: AUTOCADD/ CSA	DATE: JULY 1992
CHECKED BY: D. DOERFLINGER	SHEET 10 OF 22





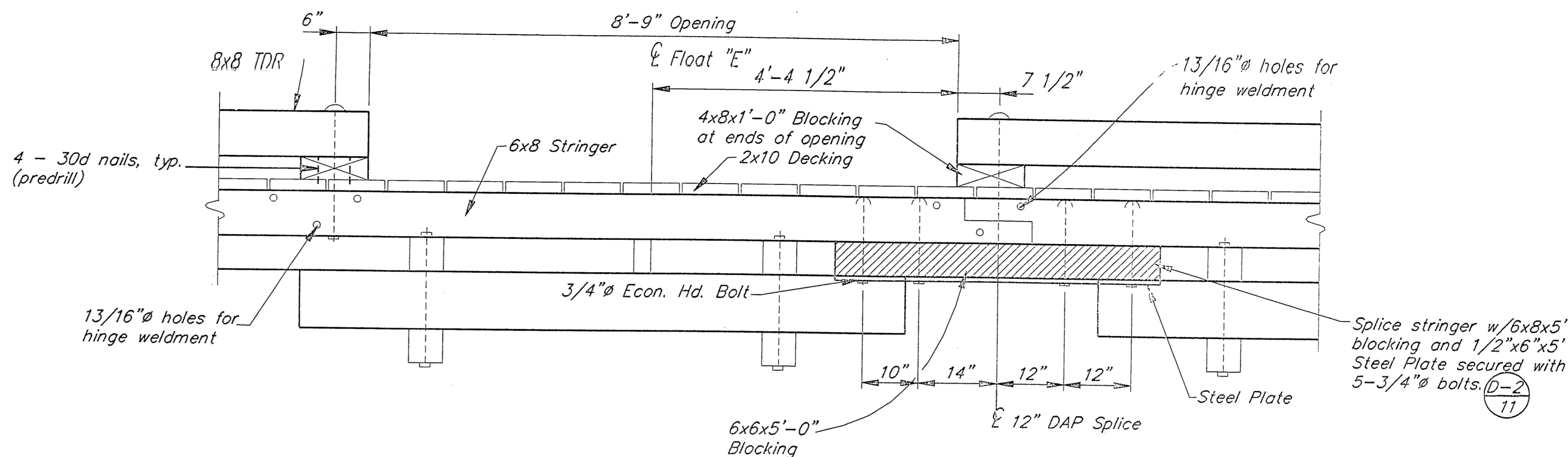
Remove exist. pile collar by unbolting the four 5/8" bolts. Provide new 2x10 decking over the cavity. Butt joint new decking at the Pile Collar Stringer. Secure each decking w/2 - 20d nails at each Stringer (Exterior & Pile Collar Stringer) Pre-drill to prevent splitting.

NOTE: Log floats not shown for clarity

**PILE COLLAR COVER DETAIL**

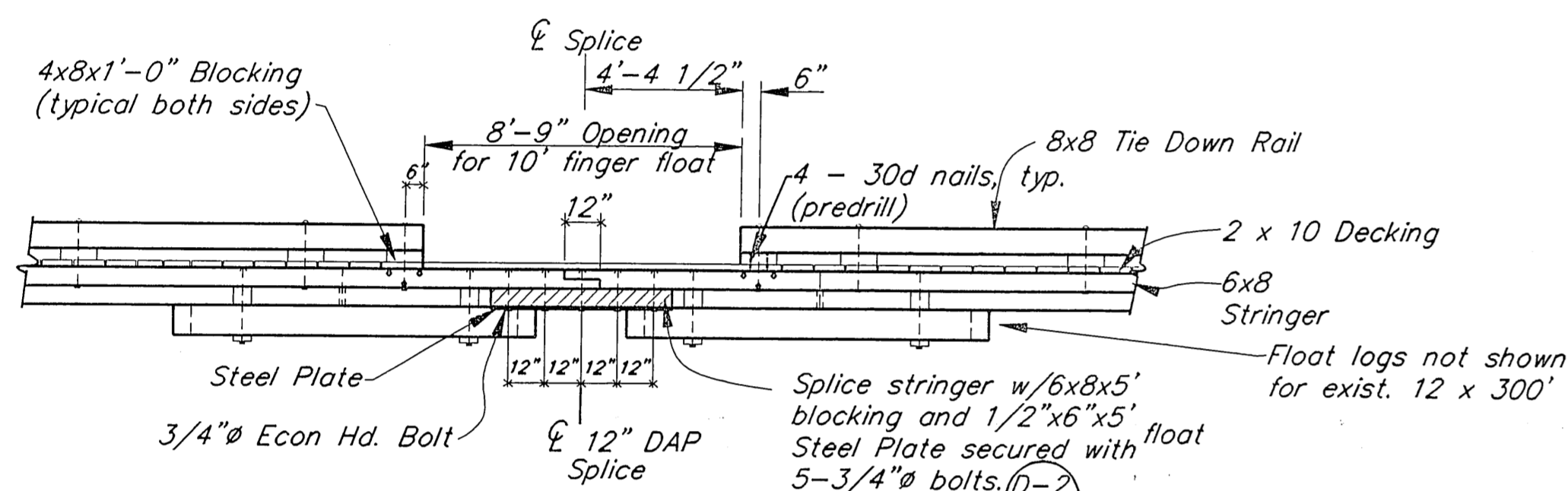
ON EXIST. 12' LOG FLOAT

1



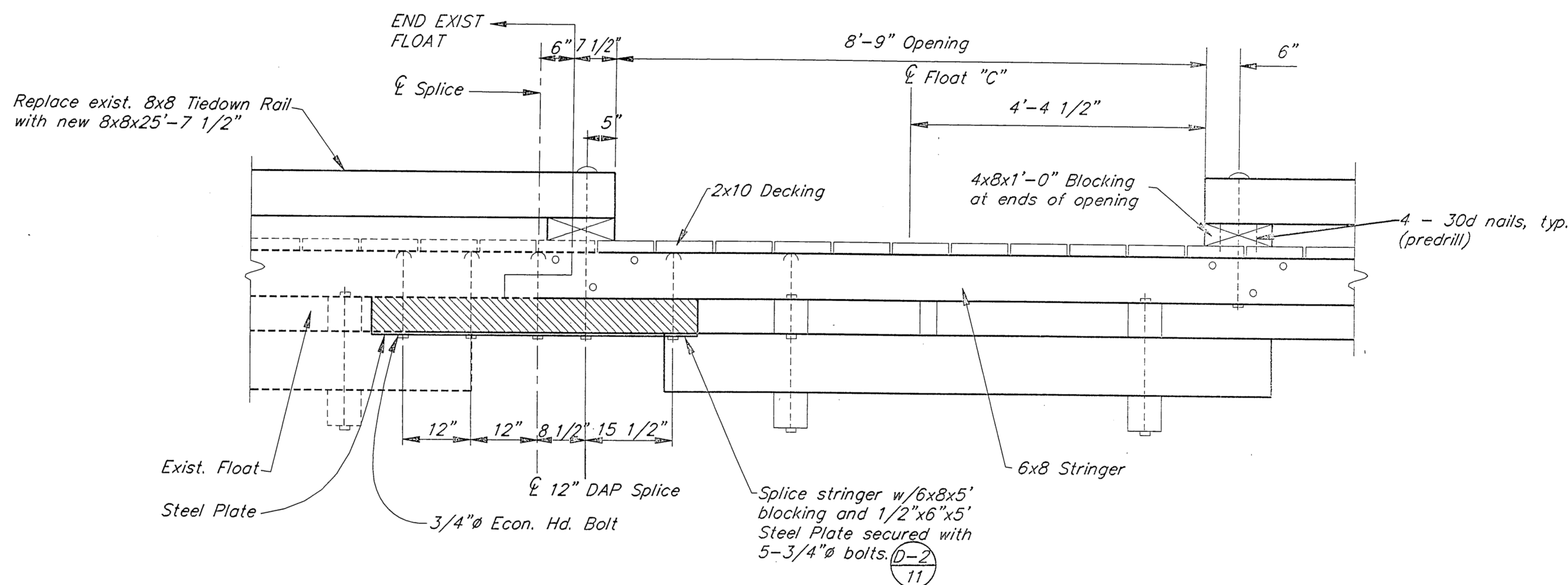
**SECTION 3**

3



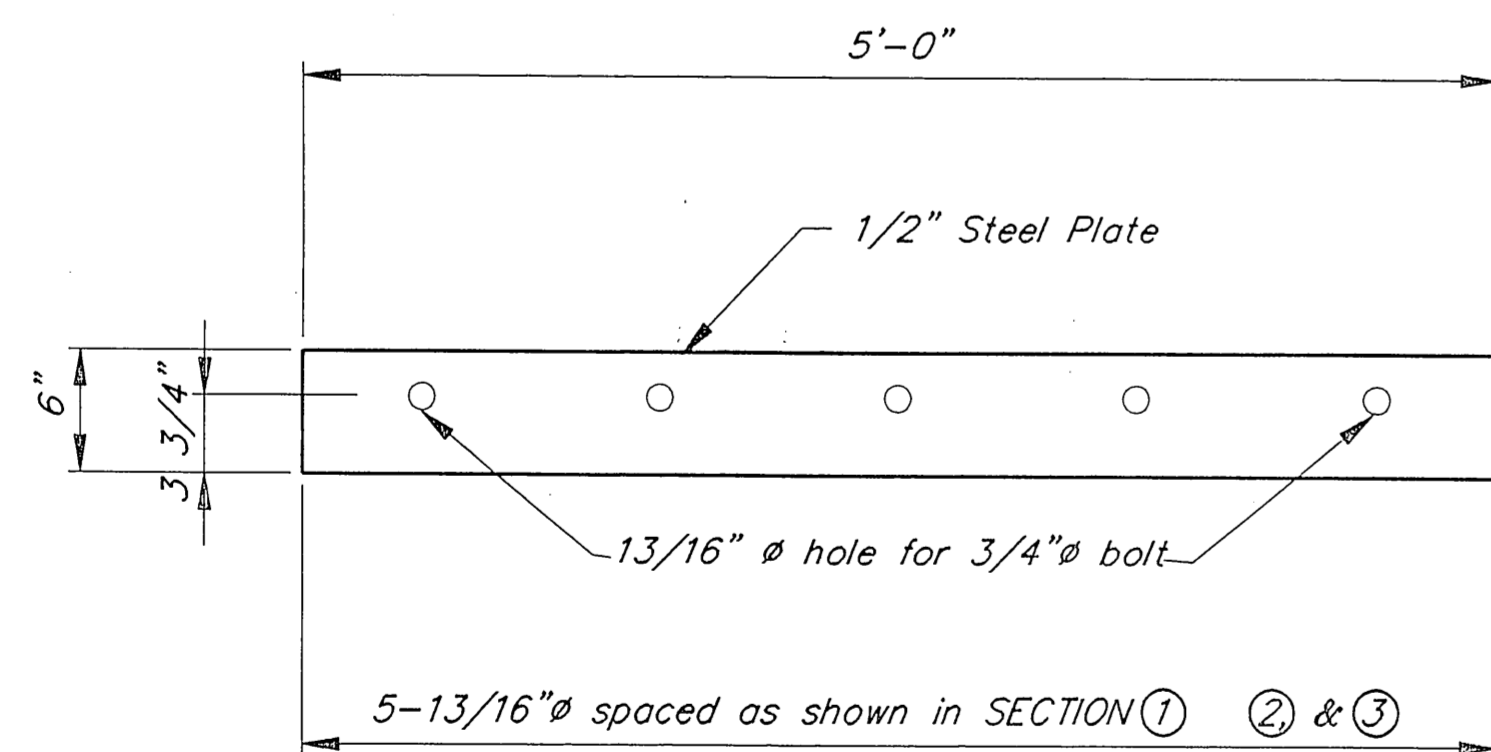
**SECTION 2**

2



**SECTION 1**

1



**STEEL PLATE DETAIL**

2

BY:	DATE:	DESCRIPTION OF CHANGE:

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

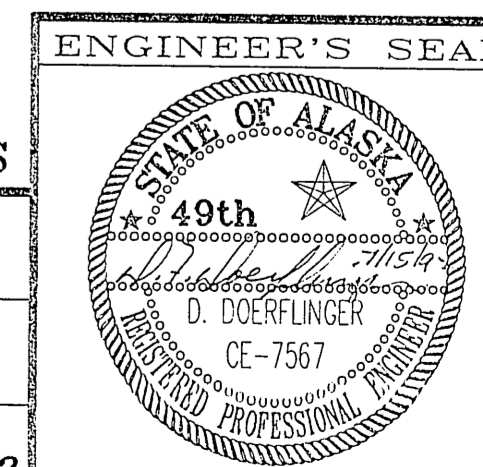
Craig

**MISCELLANEOUS FLOAT DETAILS**

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

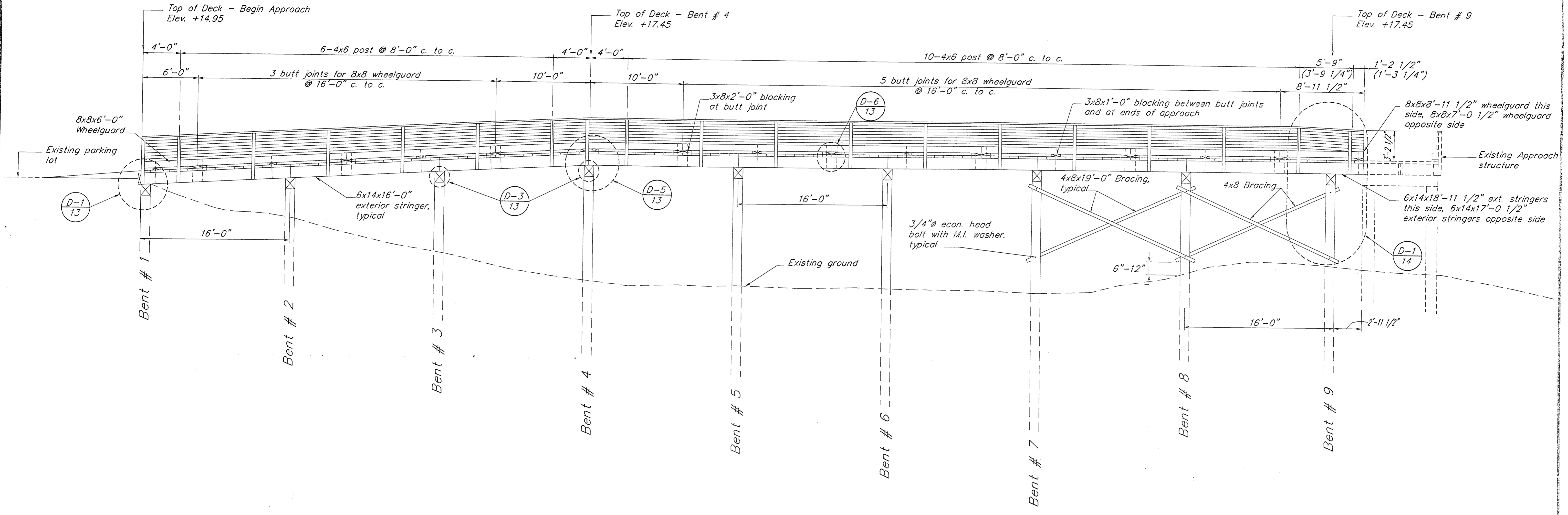
DESIGNED BY: D. SALDIVAR  
DRAWN BY: AUTOCADD/CSA  
CHECKED BY: D. DOERFLINGER

PROJECT NO. 70649  
DATE: JULY 1992  
SHEET 11 OF 22



**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.



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.

**Profile**

BY:	DATE:	DESCRIPTION OF CHANGE:

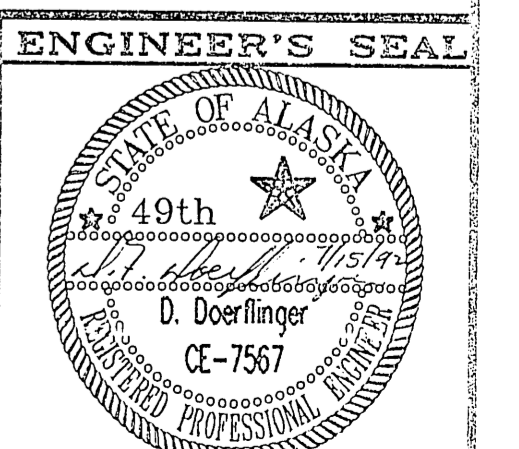
STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 SOUTHEAST REGION DESIGN & CONSTRUCTION

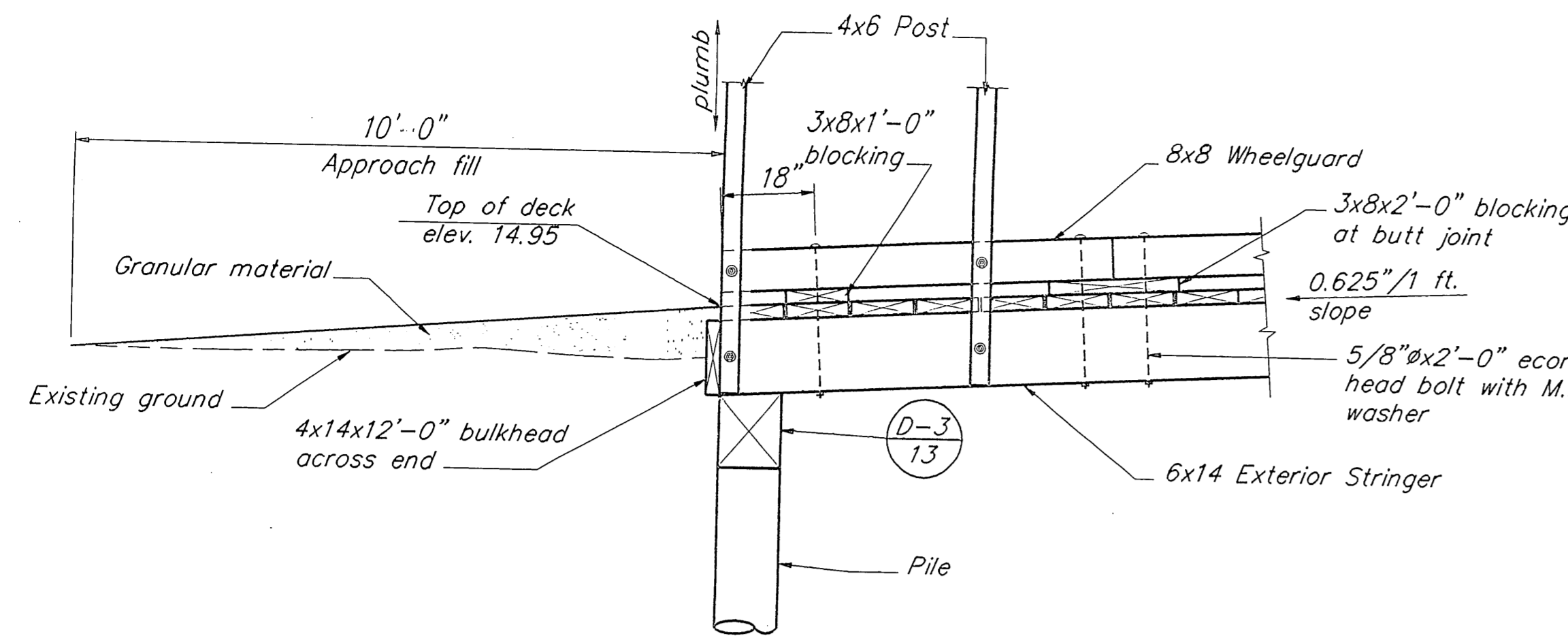
Craig

**APPROACH DETAILS**

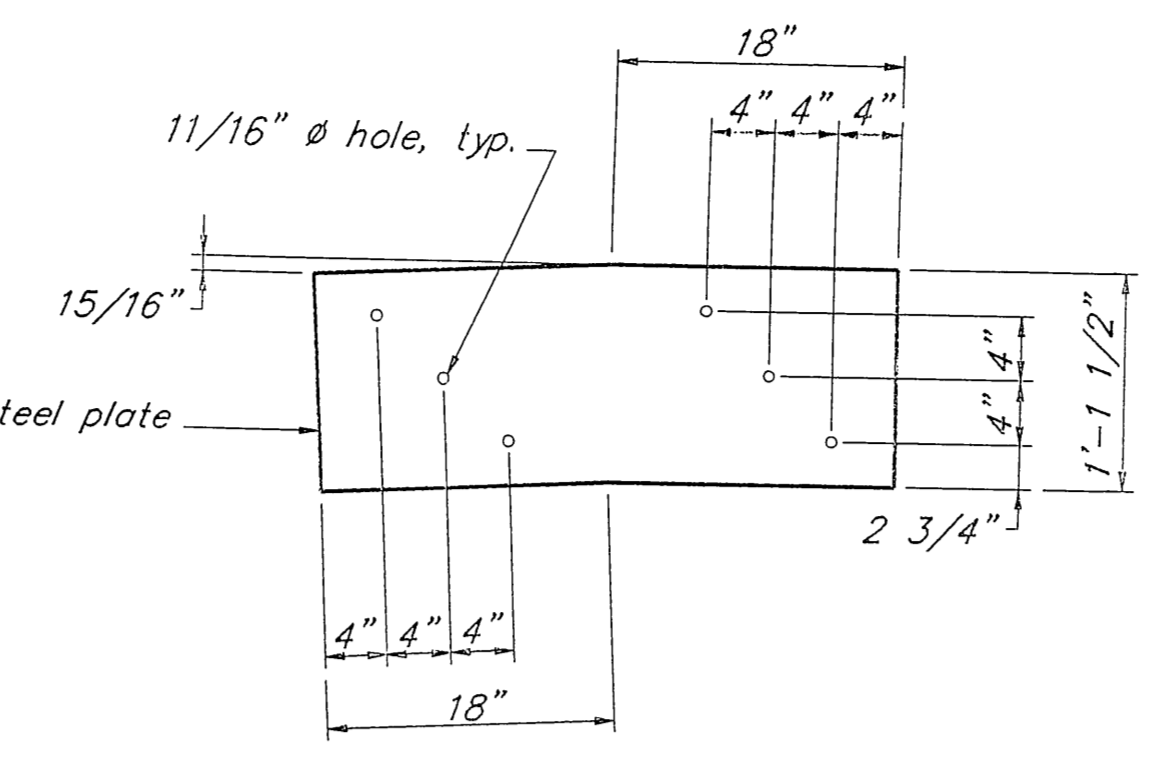
Alaska

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

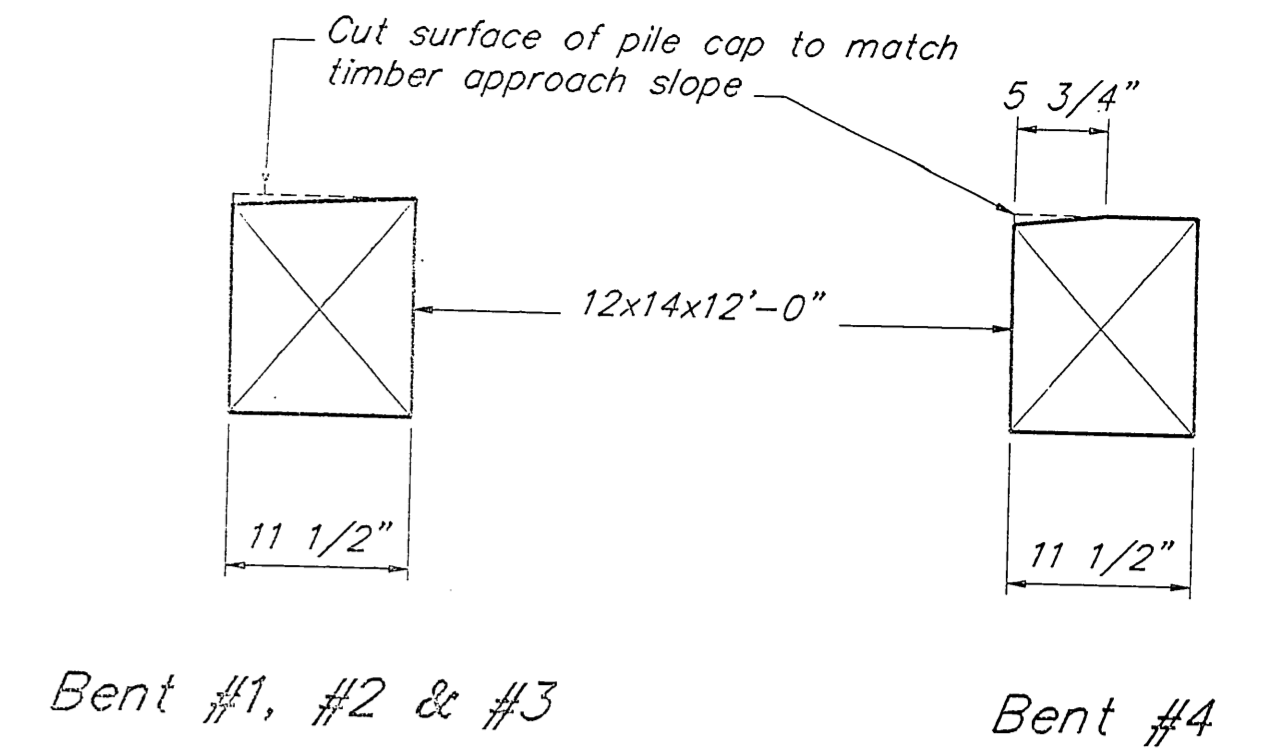




**Begin Approach Detail** ①

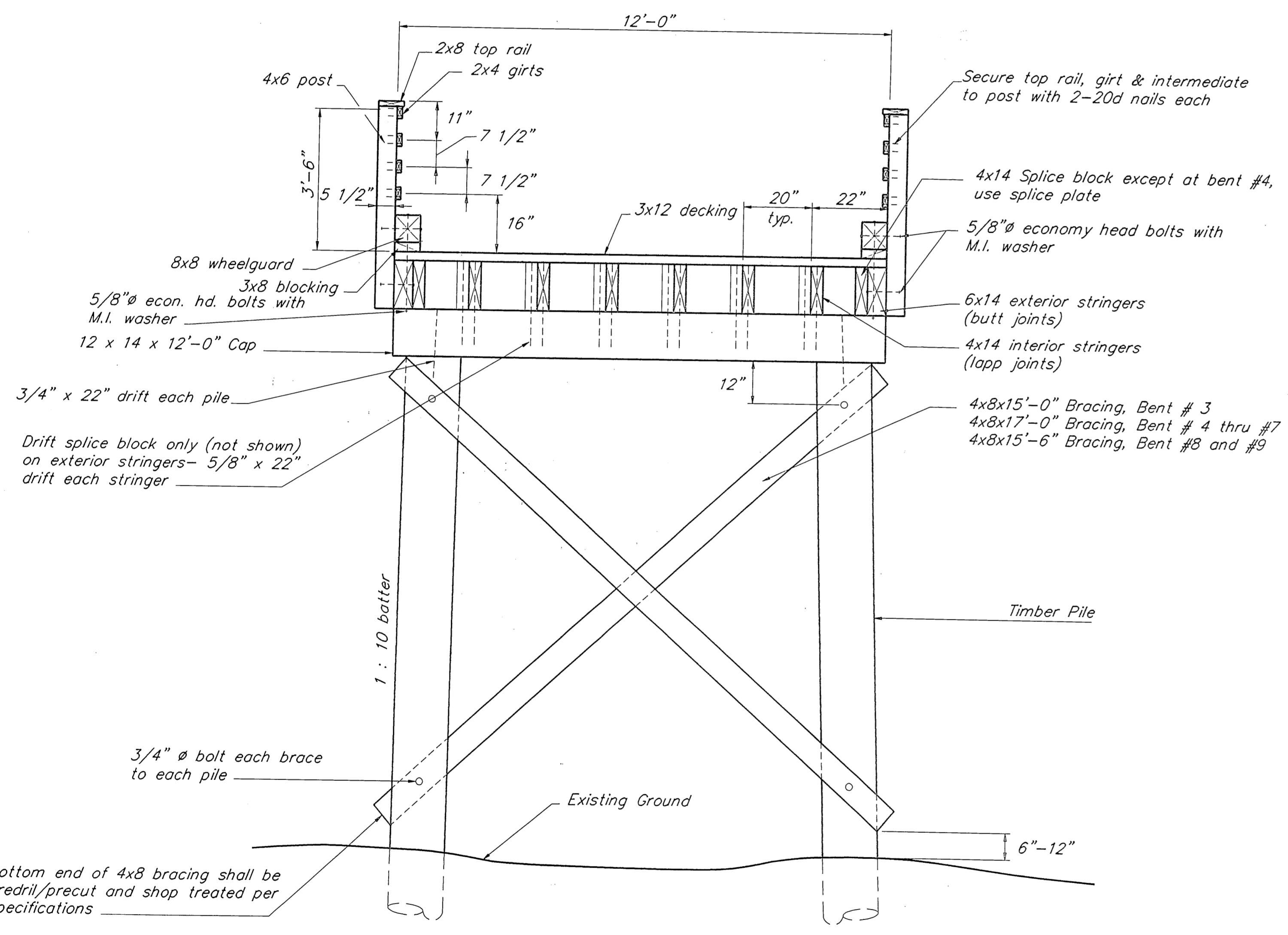


**Splice Plate Detail** ②

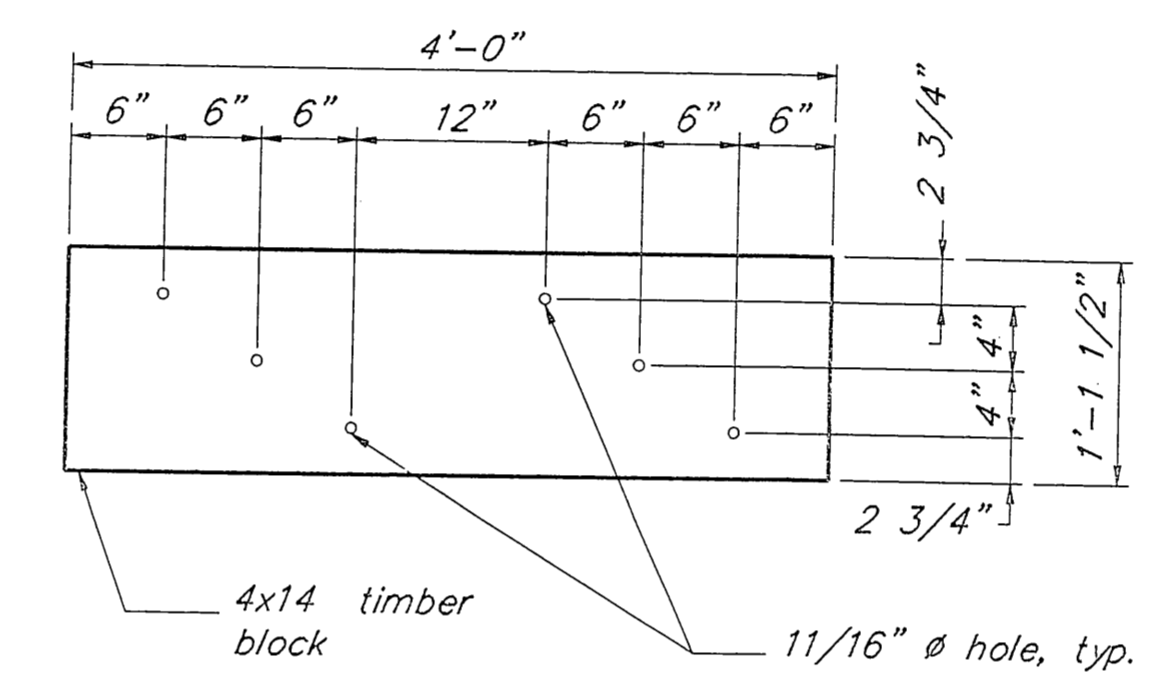


**Pile Cap Detail** ③

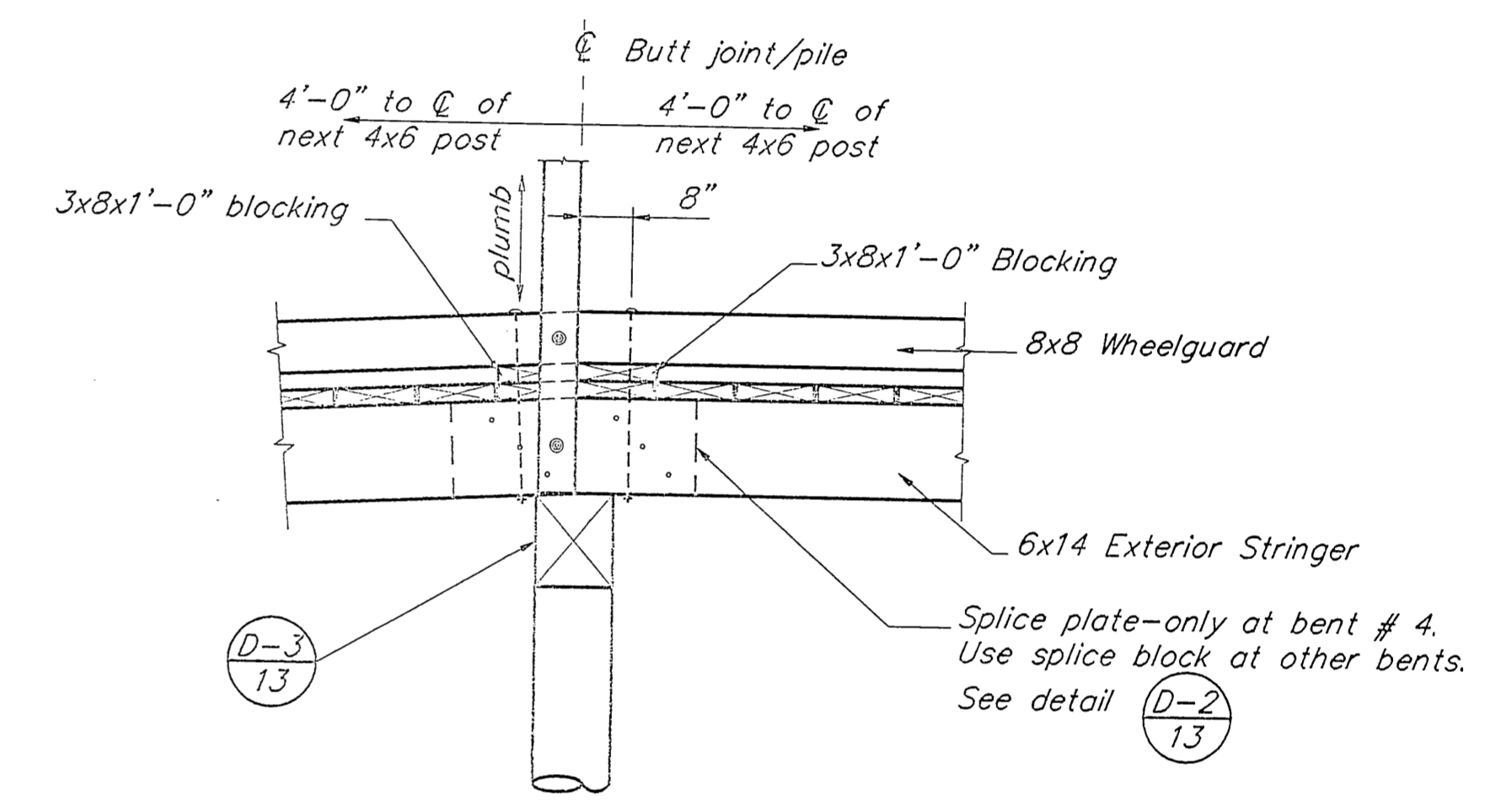
All other pile caps are standard 12x14x12'-0"



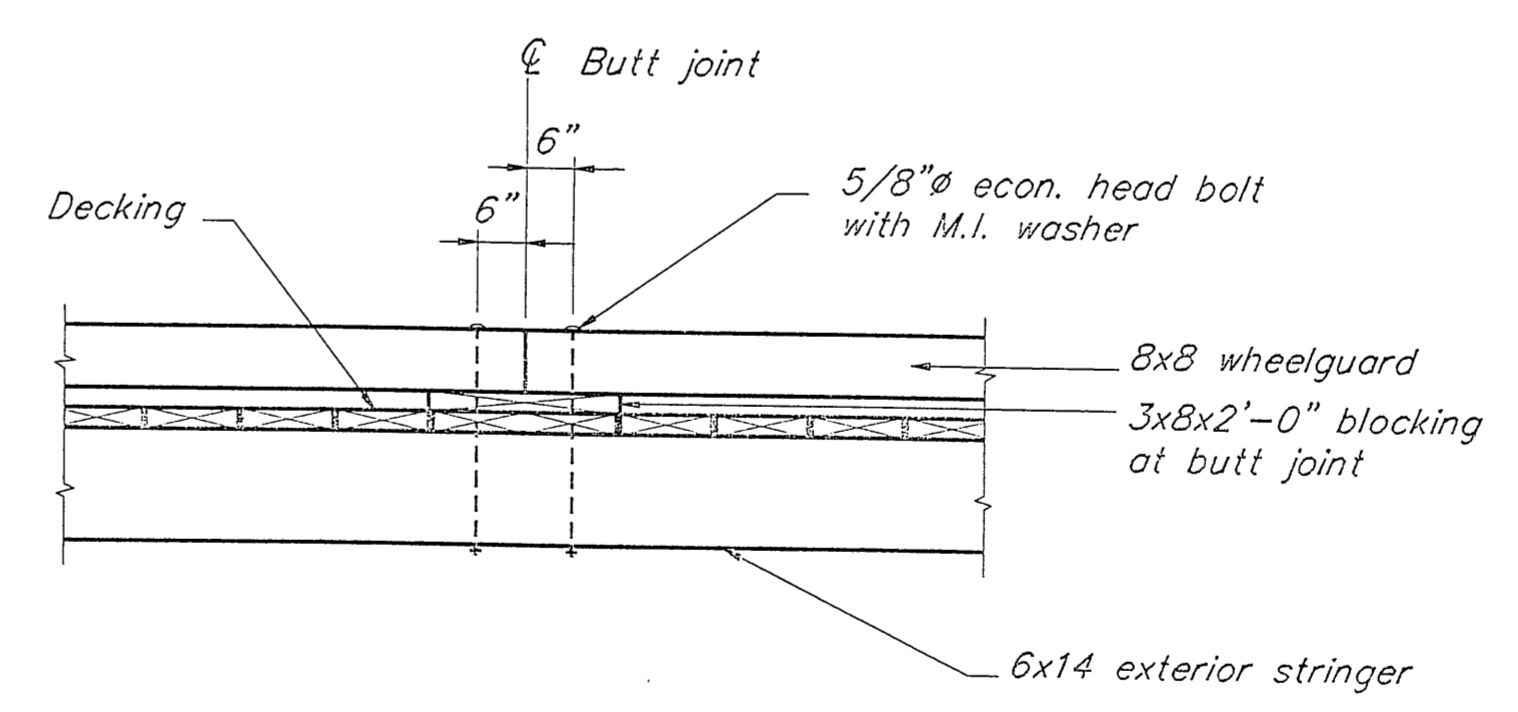
**Typical Approach Section**



**Splice Block Detail** ④



**Transition Detail Bent # 4** ⑤



**Butt Joint Detail for Wheelguard** ⑥

BY:	DATE:	DESCRIPTION OF CHANGE:

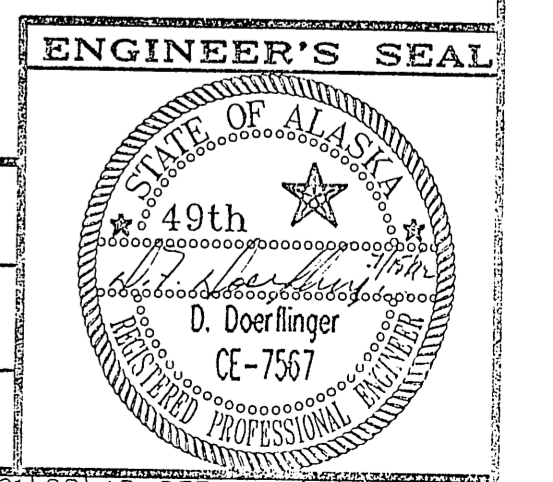
STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
SOUTHEAST REGION DESIGN & CONSTRUCTION

Craig

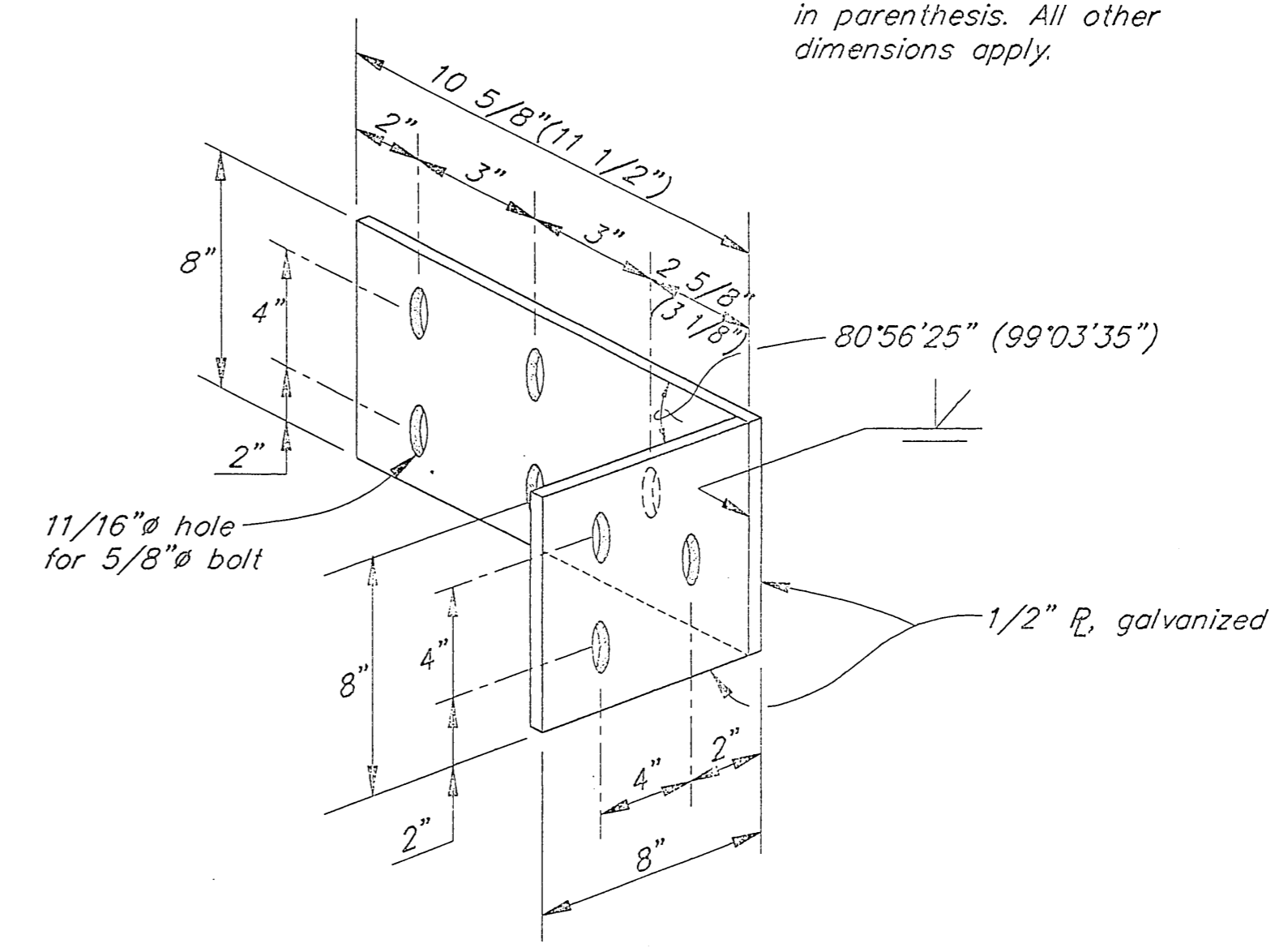
**APPROACH DETAILS**

DESIGNED BY: D. SALDIVAR  
DRAWN BY: AutoCAD / BWB  
CHECKED BY: D. DOERFLINGER

PROJECT No. 70649  
DATE: JULY 1992  
SHEET 13 OF 22

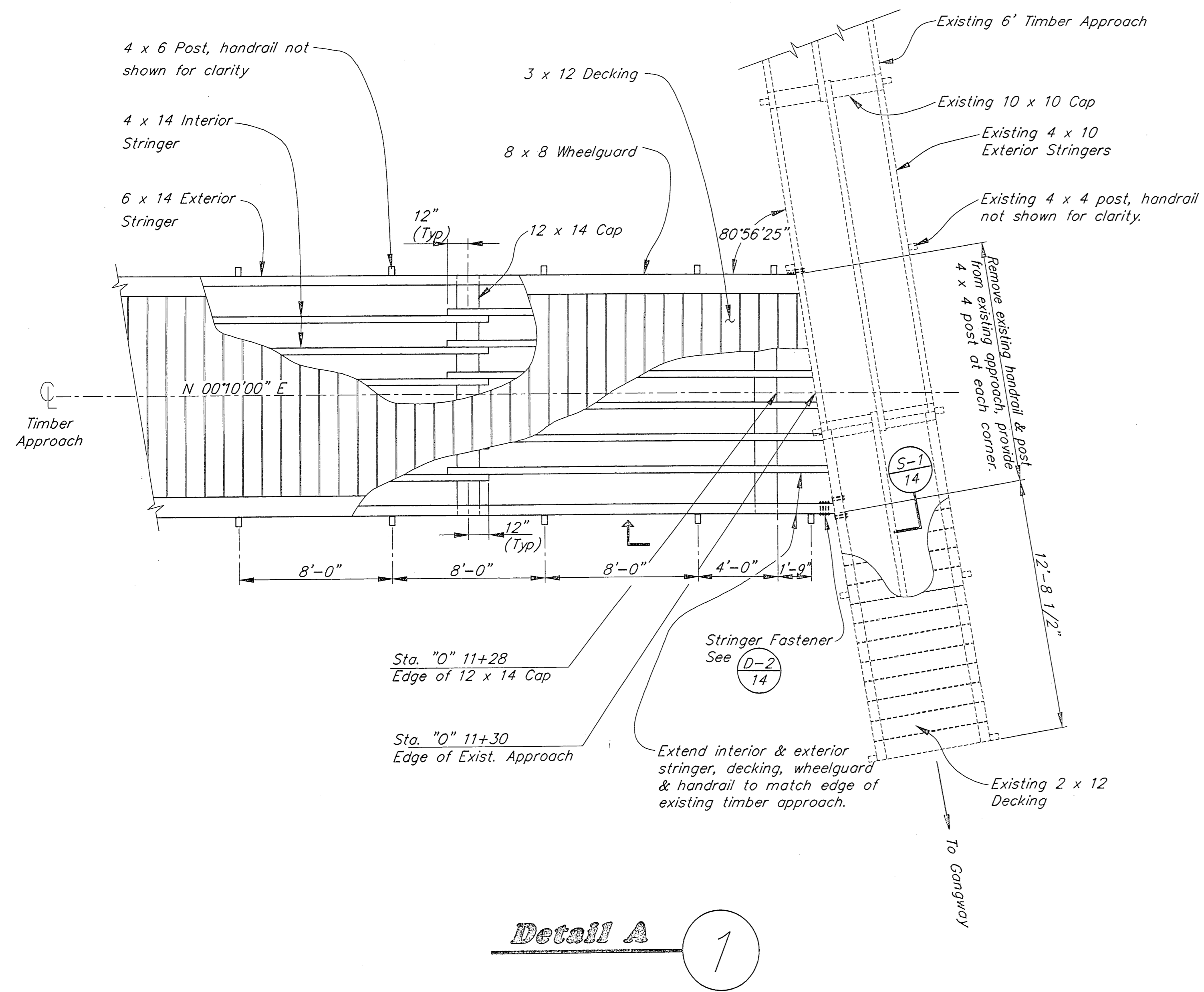


NOTE: Dimension in parenthesis applies to the angle shown in parenthesis. All other dimensions apply.

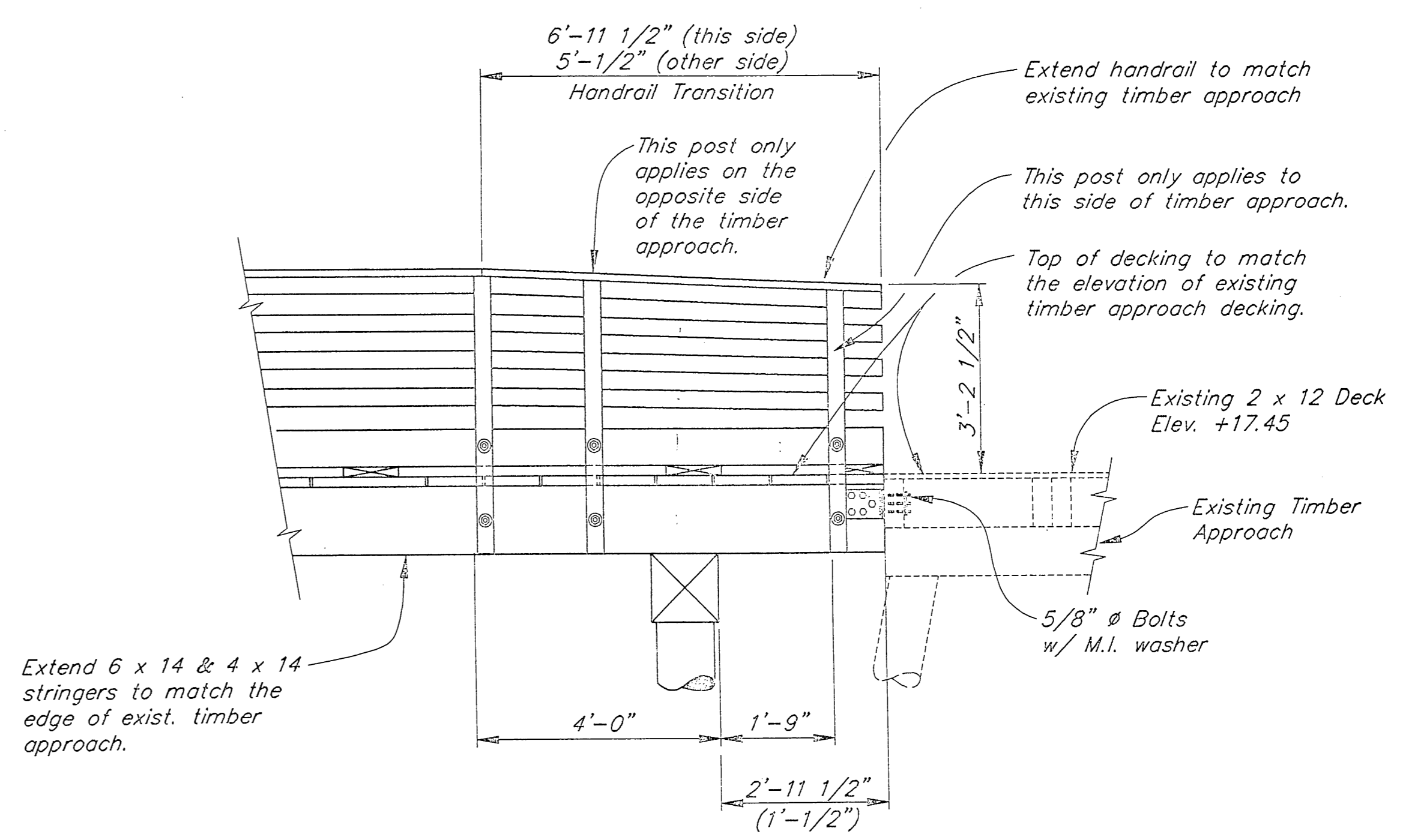


**Stringer Fastener Detail** ②

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



**Detail A** ①



**Section** ①

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

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

BY:	DATE:	DESCRIPTION OF CHANGE:

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
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SOUTHEAST REGION DESIGN & CONSTRUCTION

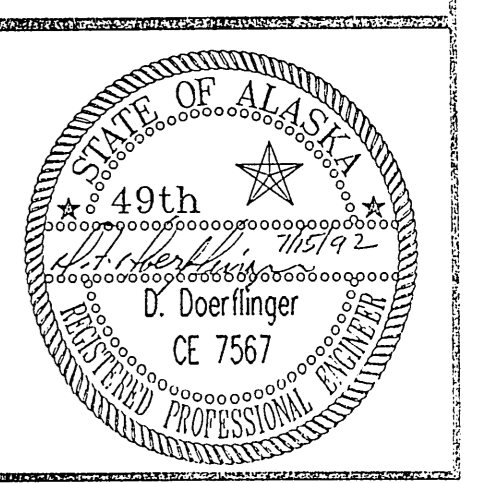
Craig

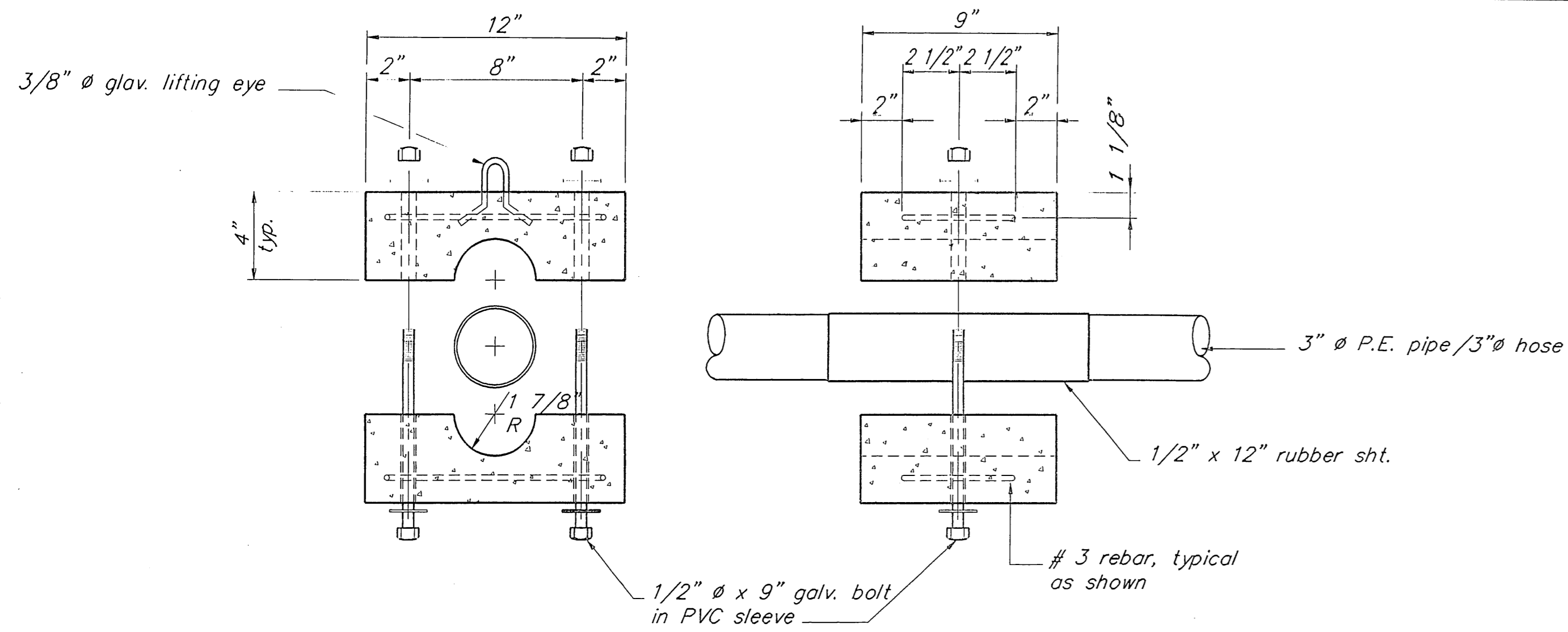
**TIMBER APPROACH DETAIL**

Alaska

DESIGNED BY: D. SALDIVAR  
DRAWN BY: AUTOCAD/R. SNYDER  
CHECKED BY: D. DOERFLINGER

PROJECT NO. 70649  
DATE: JULY 1992  
SHEET 14 OF 22

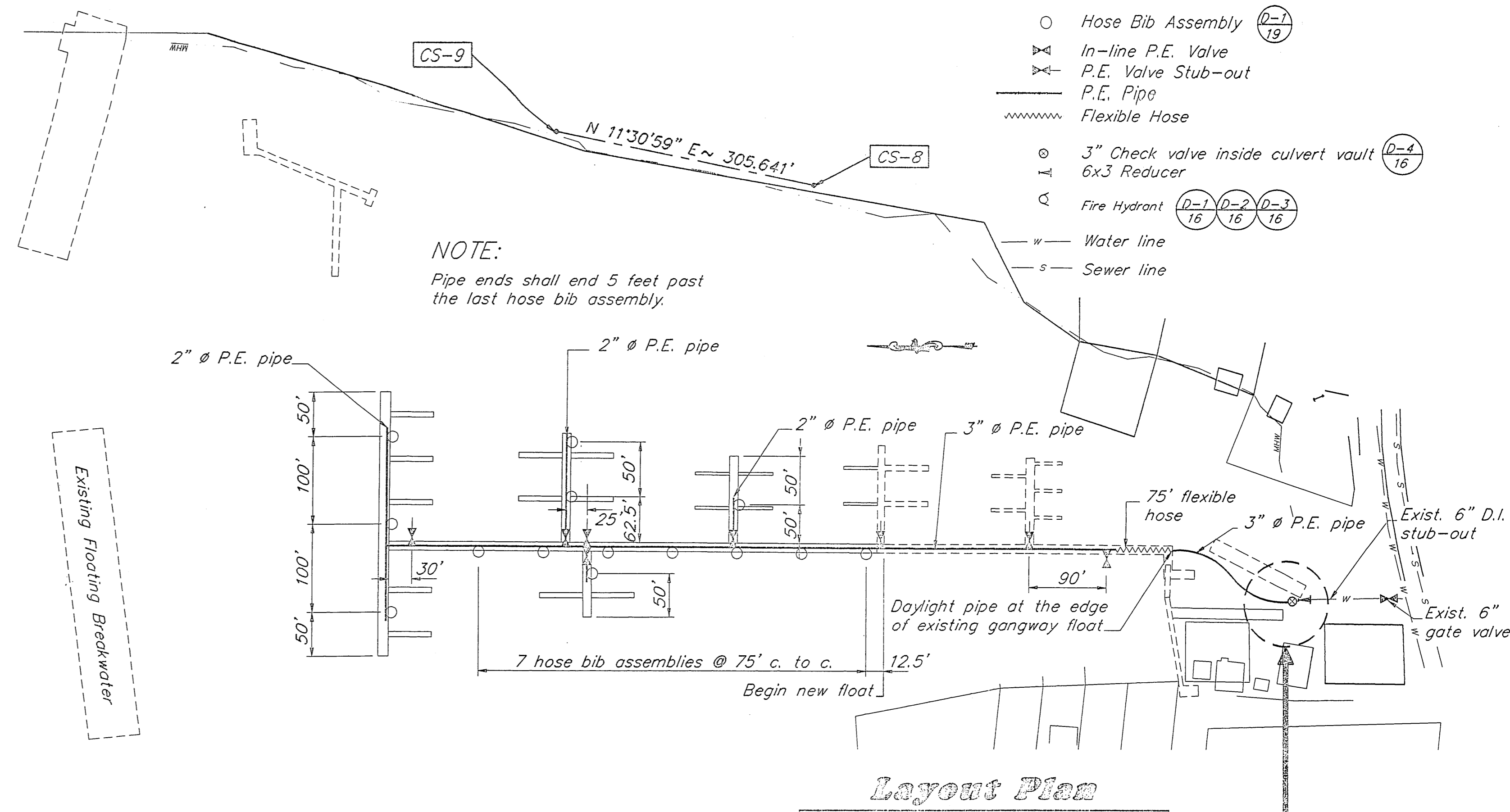




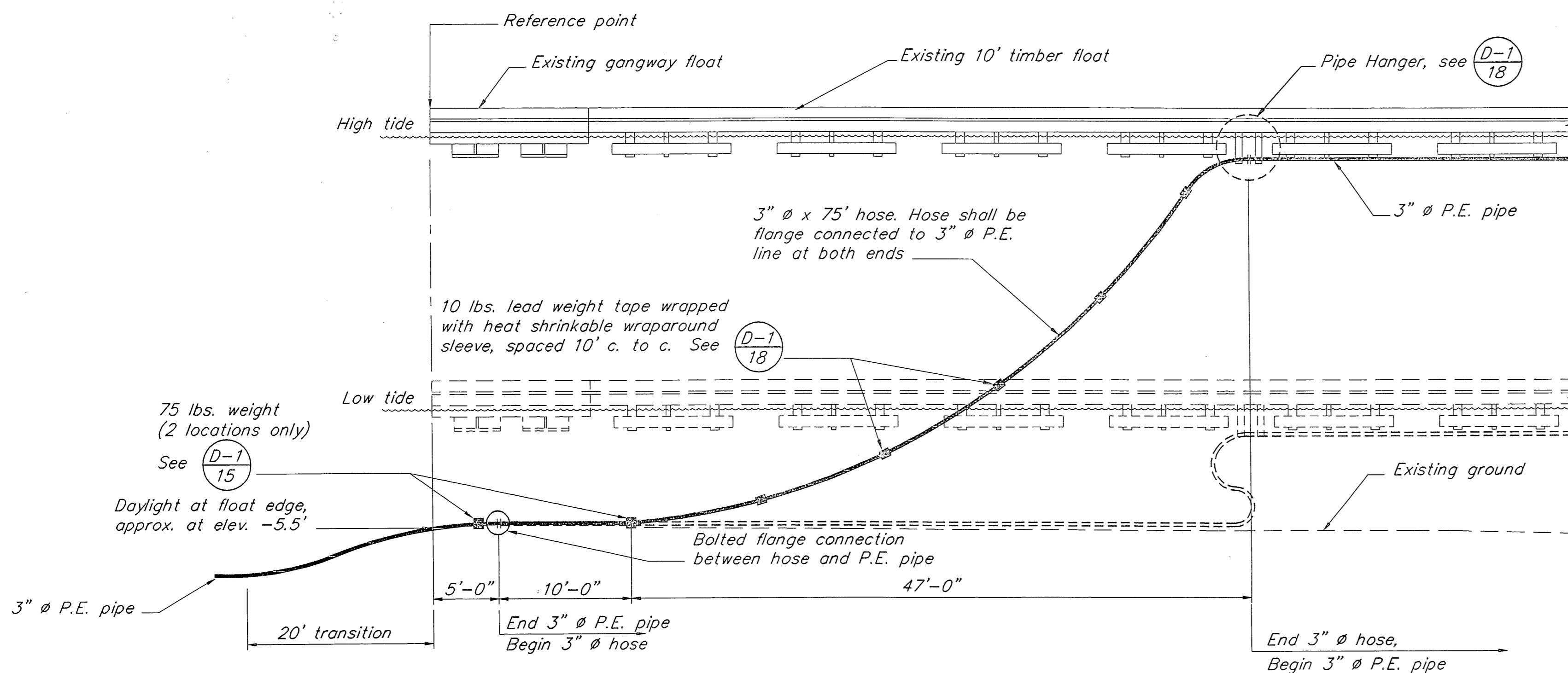
NOTE :  
MAKE ALL WEIGHTS FROM  
150 # / FT.<sup>3</sup> CONCRETE.

**75 # Weight Detail**

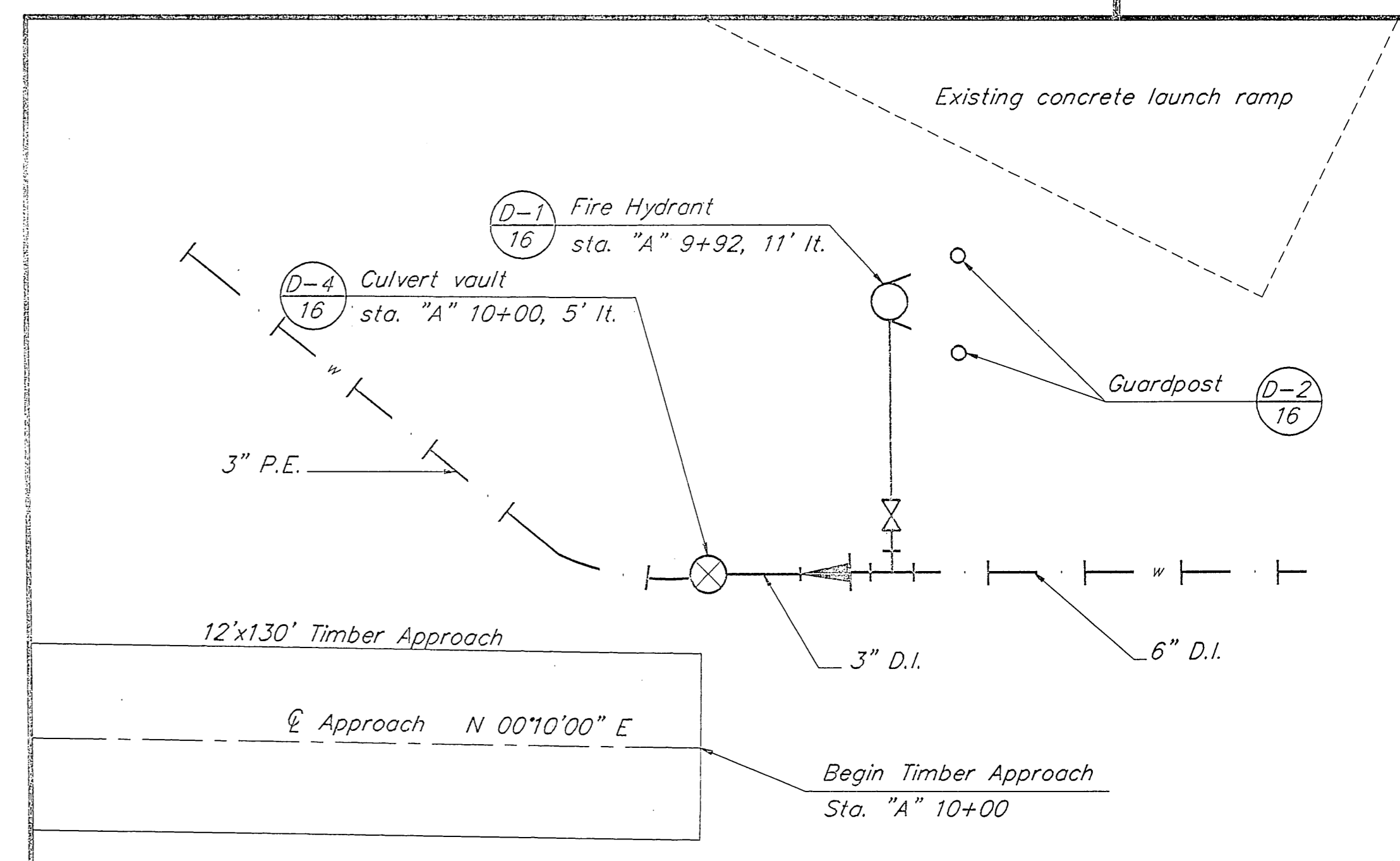
1



NOTE:  
Pipe ends shall end 5 feet past  
the last hose bib assembly.



**Waterline to Float Connection**



BY:	DATE:	DESCRIPTION OF CHANGE:

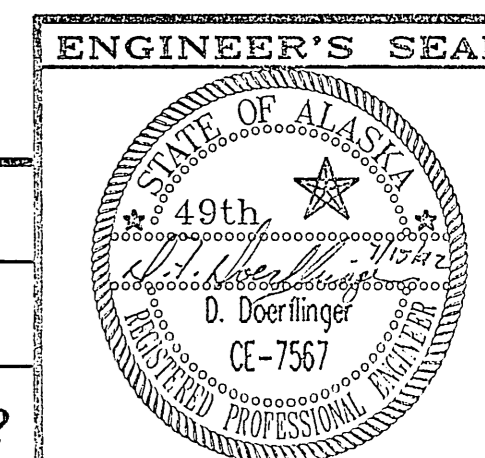
STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
SOUTHEAST REGION DESIGN & CONSTRUCTION

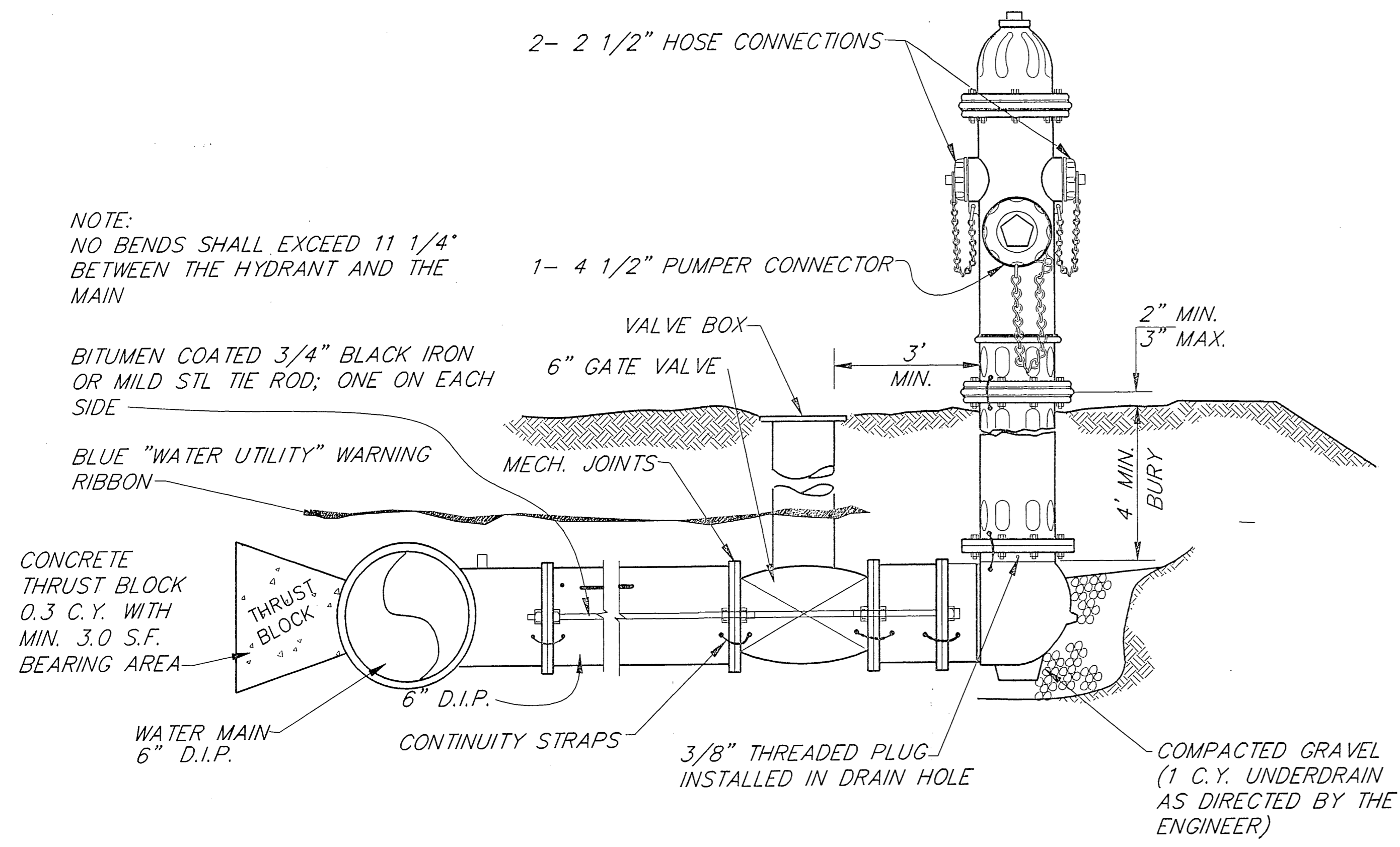
Craig

**WATER SYSTEM LAYOUT**

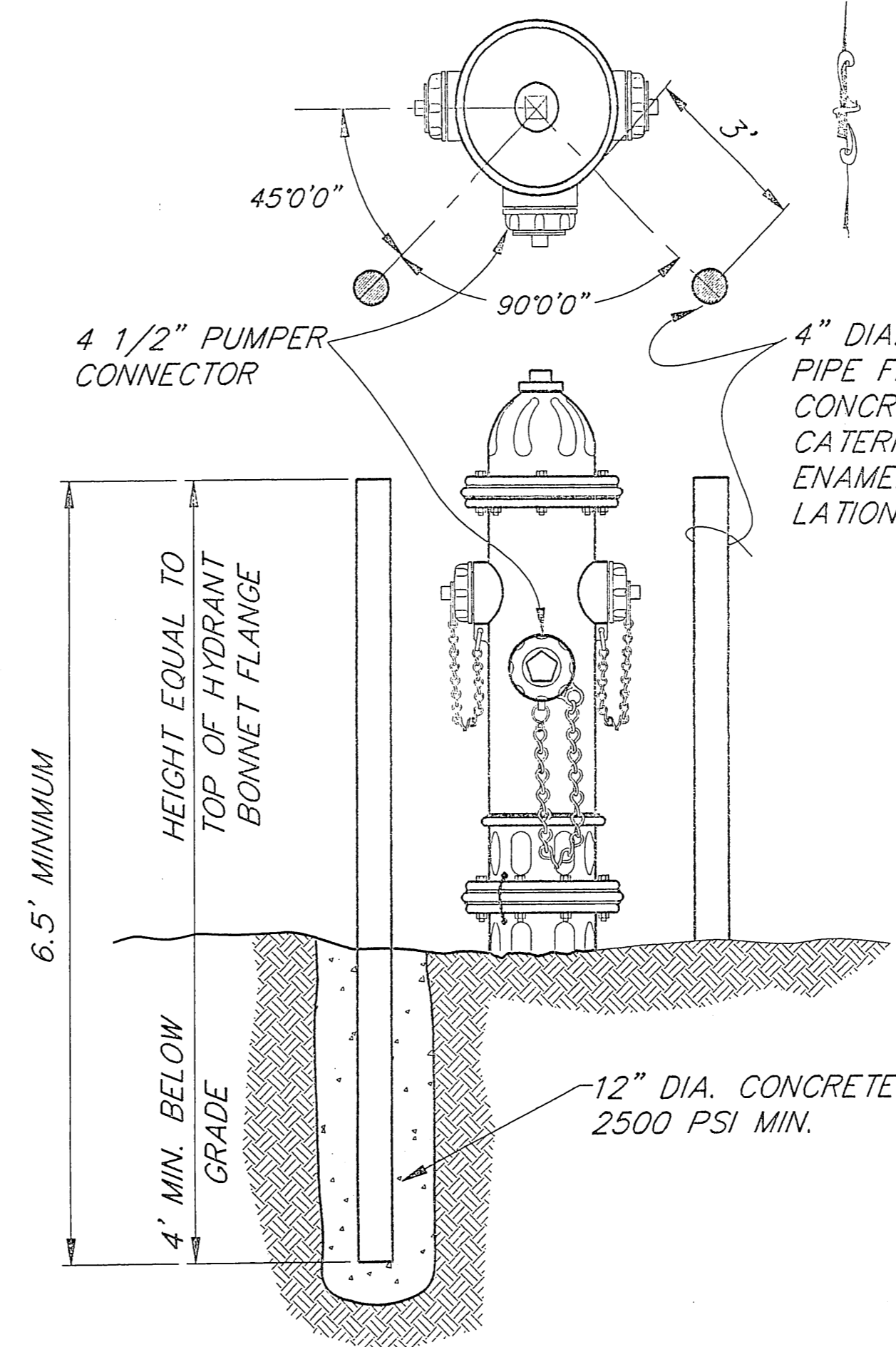
Alaska  
DESIGNED BY:  
D.D. Saldivar  
DRAWN BY:  
AutoCAD / BWB  
CHECKED BY:  
D.F. Doerflinger

PROJECT No.  
70649  
DATE:  
JULY 1992  
SHEET 15 OF 22

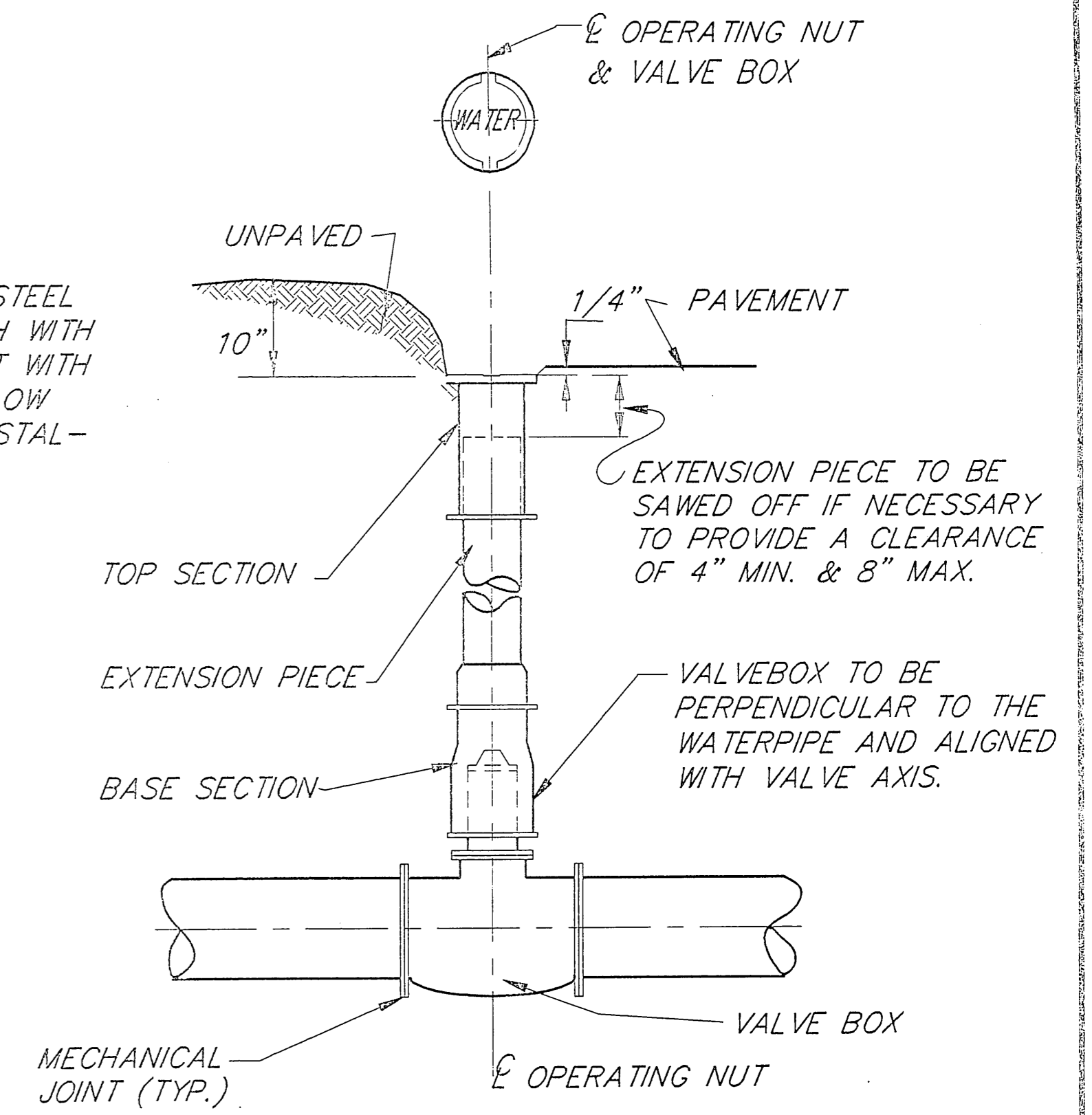




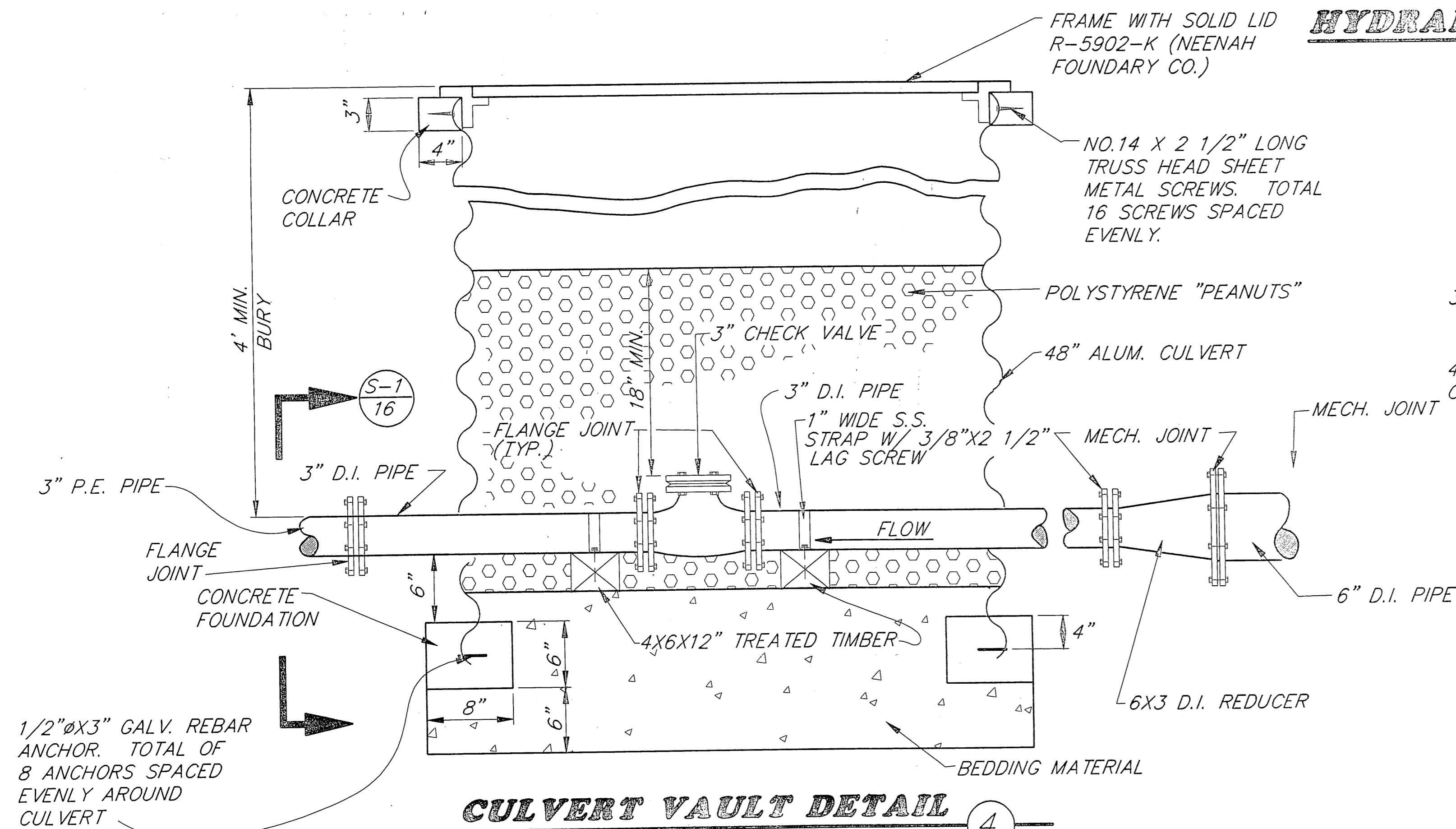
**FIRE HYDRANT DETAIL 1**



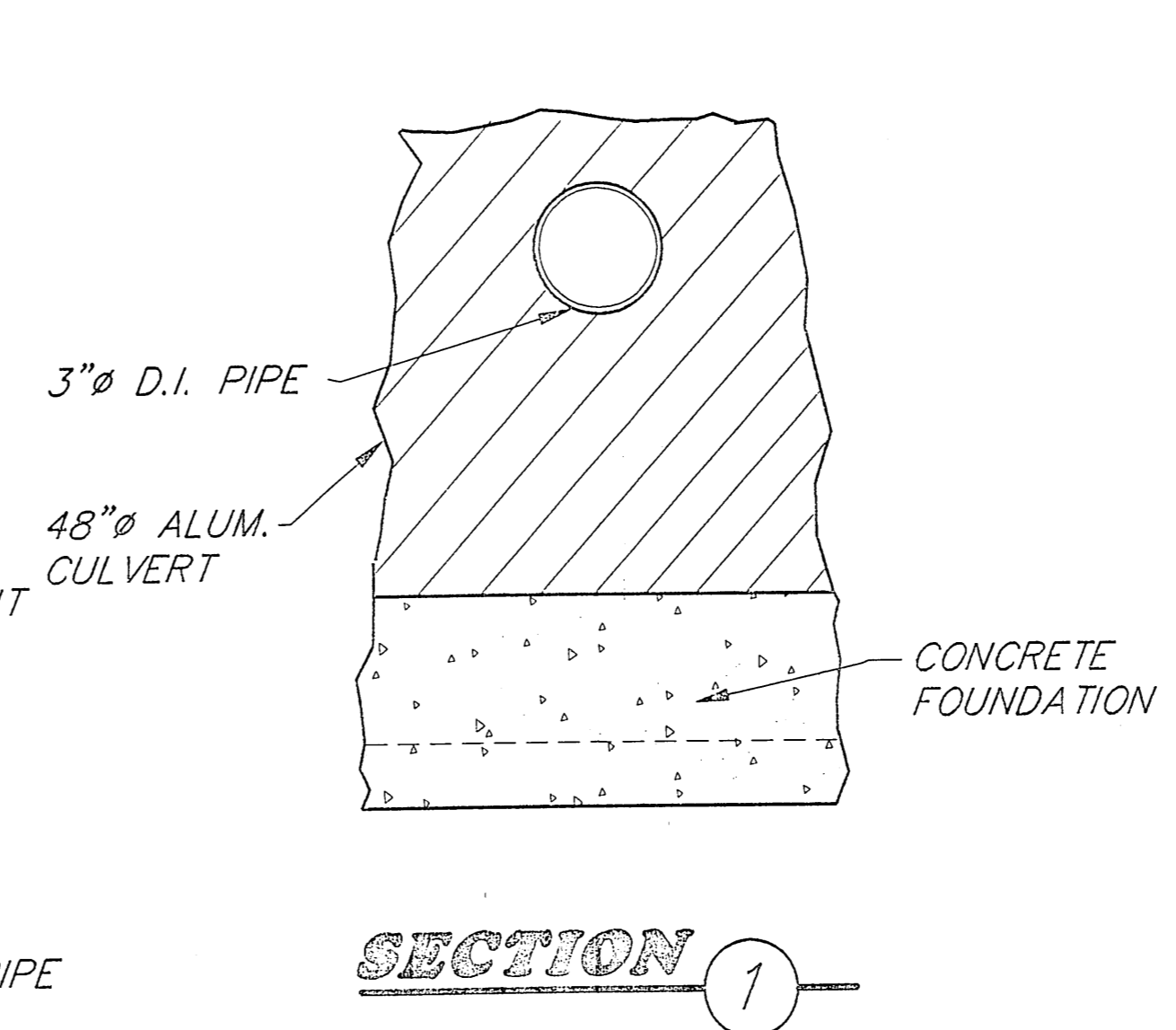
**HYDRANT GUARD POSTS DETAIL 2**



**TYPICAL VALVE BOX 3**



**CULVERT VAULT DETAIL 4**



**WATERLINE INSTALLATION**

BY:	DATE:	DESCRIPTION OF CHANGE:

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

Craig

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

Alaska

DESIGNED BY: D. SALDIVAR

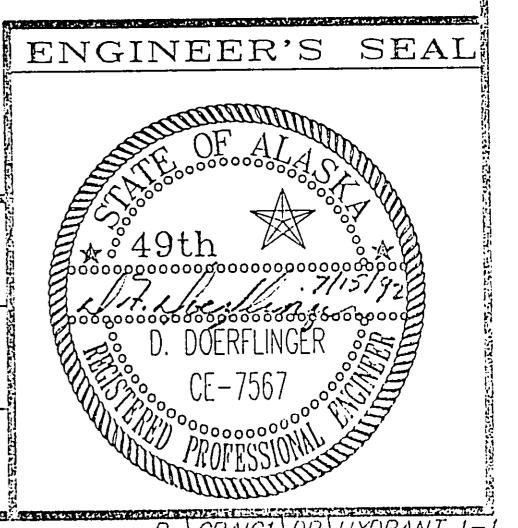
PROJECT NO. 70649

DRAWN BY: AUTOCADD/CSA

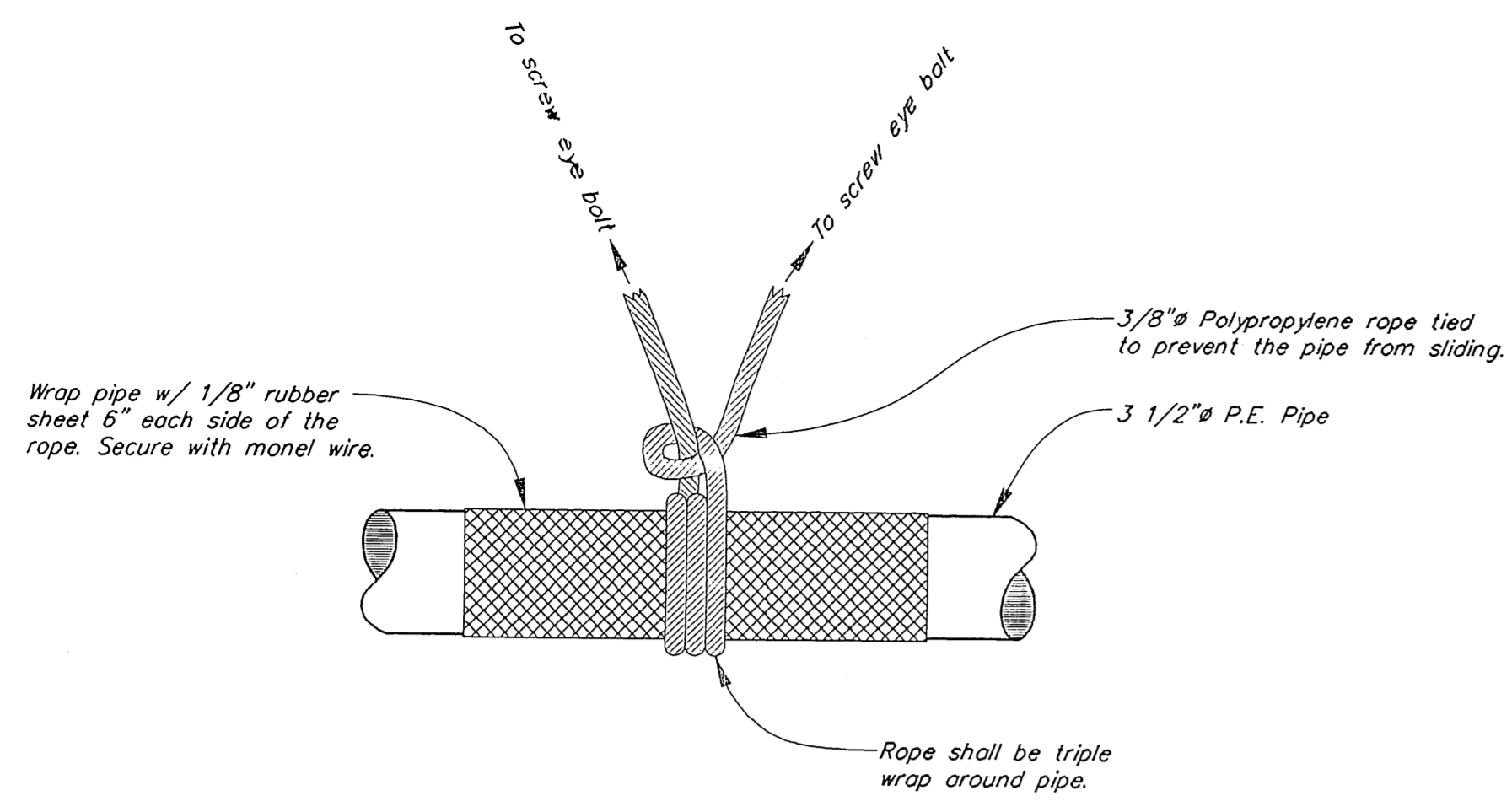
DATE: JULY 1992

CHECKED BY: D. DOERFLINGER

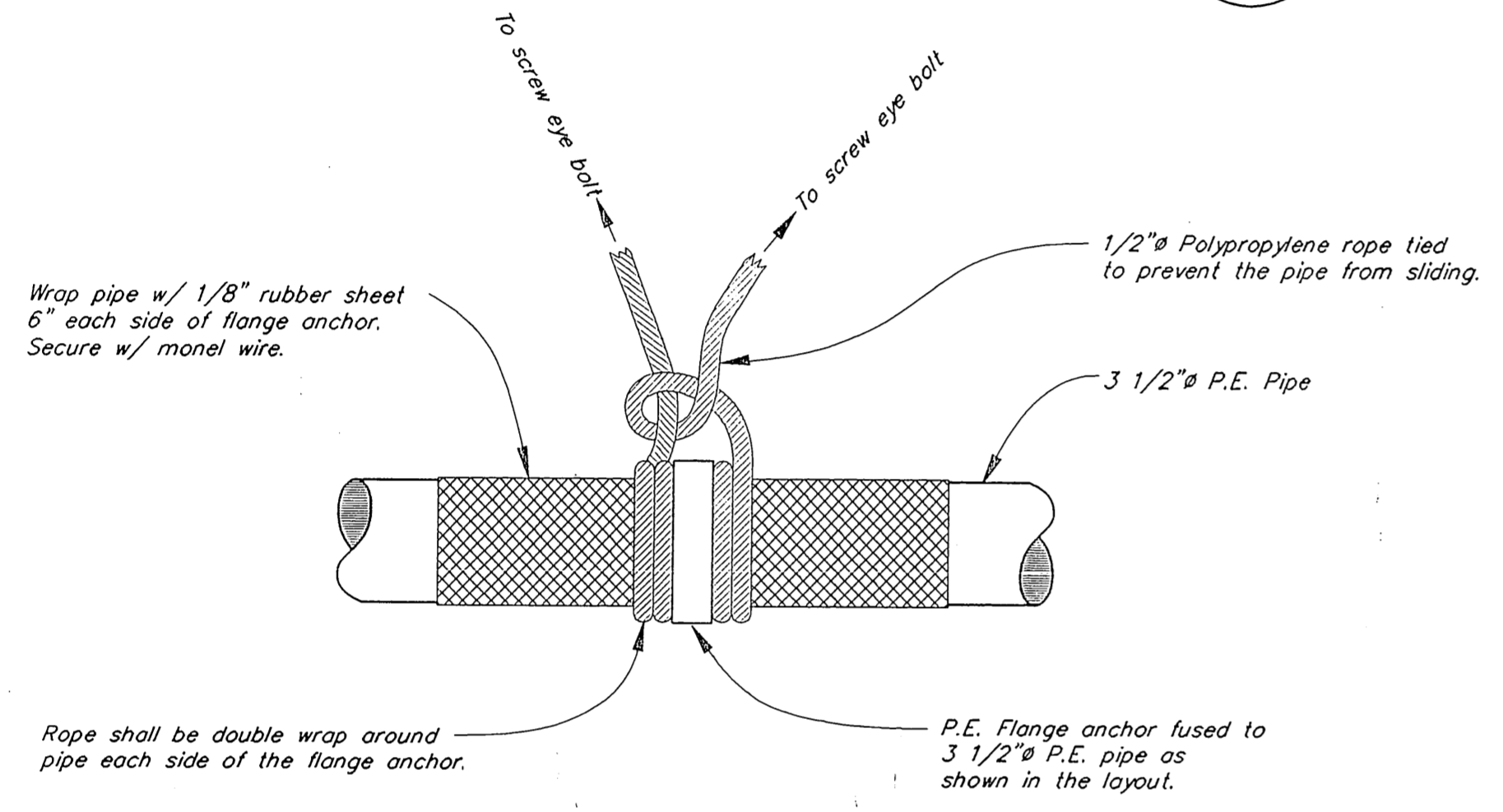
SHEET 16 OF 22



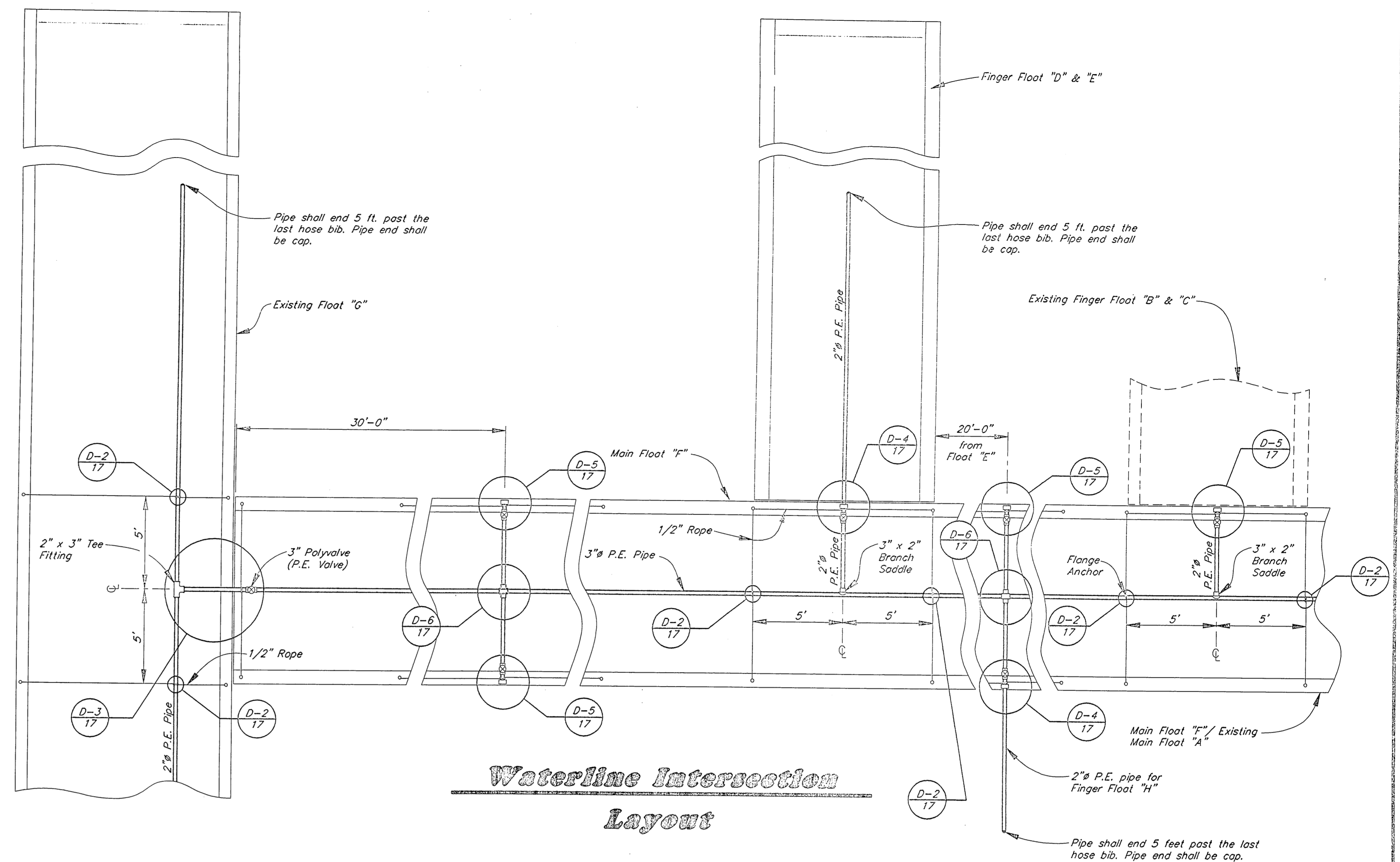
**FIRE HYDRANT DETAILS**



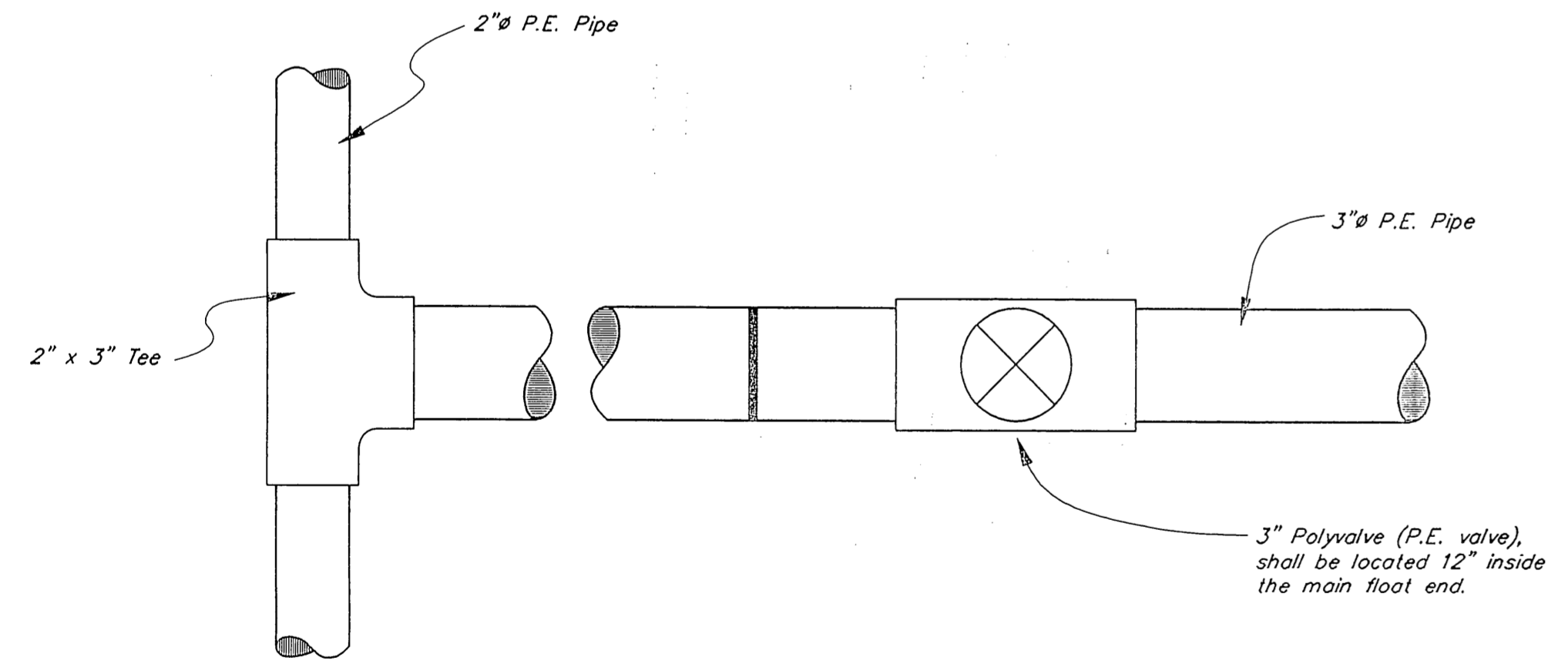
**Typical Rope Attachment Detail** ①



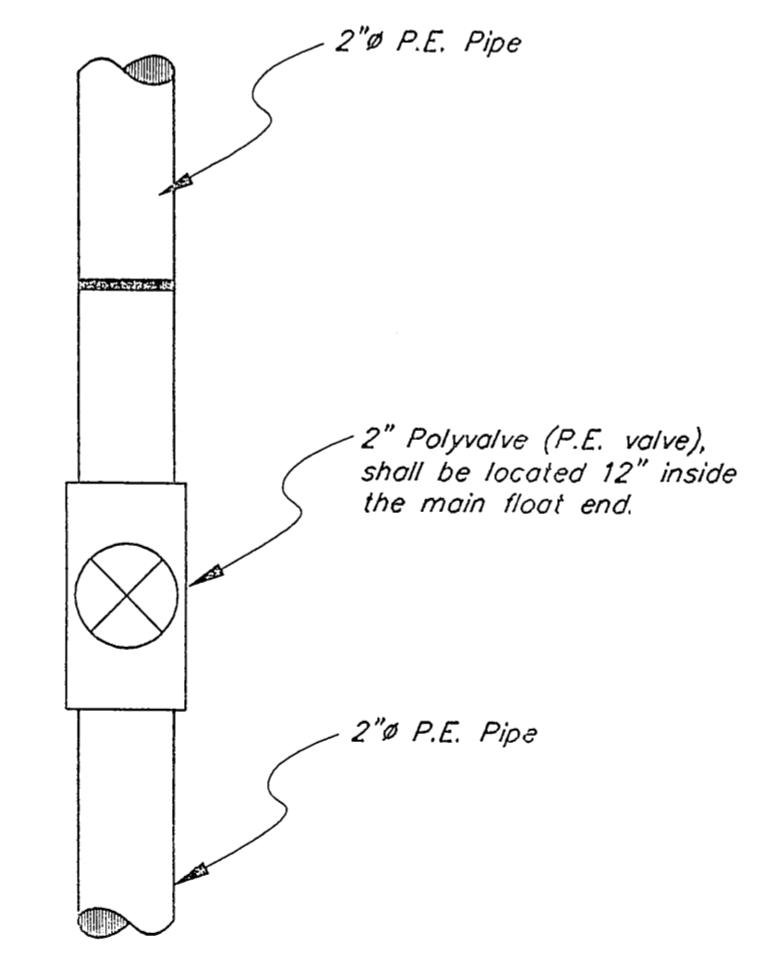
**Flange Anchor Detail** ②



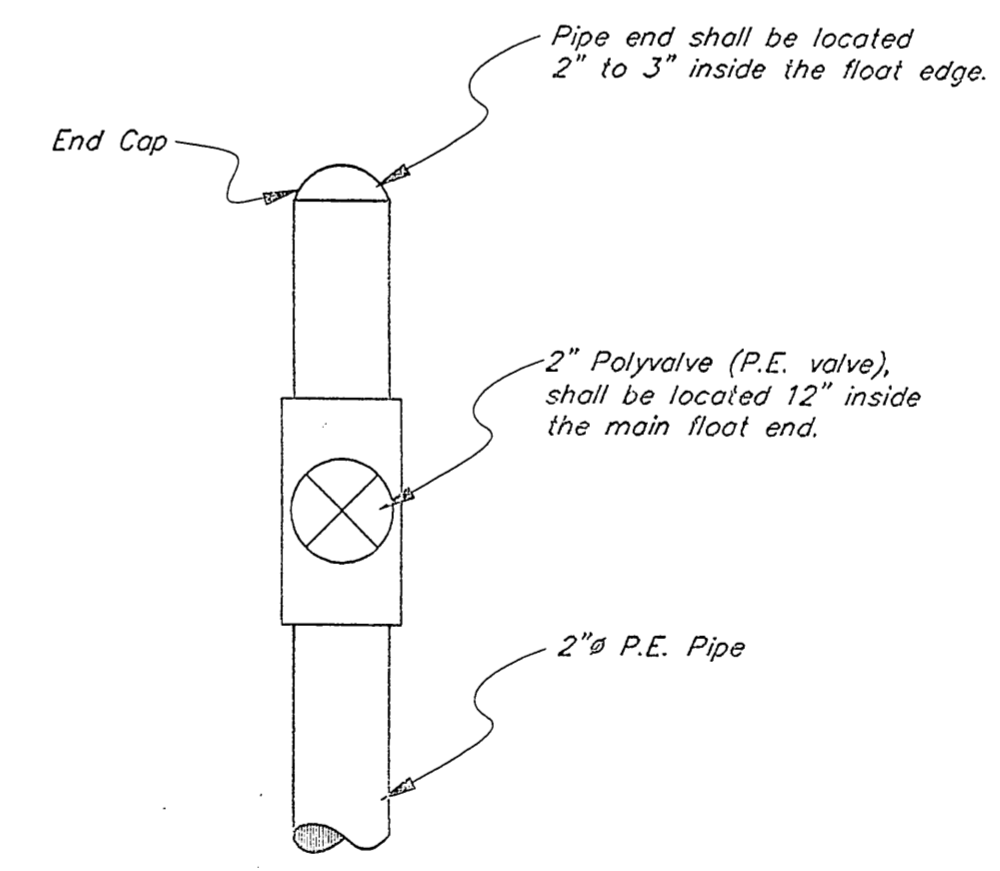
**Waterline Intersection Layout**



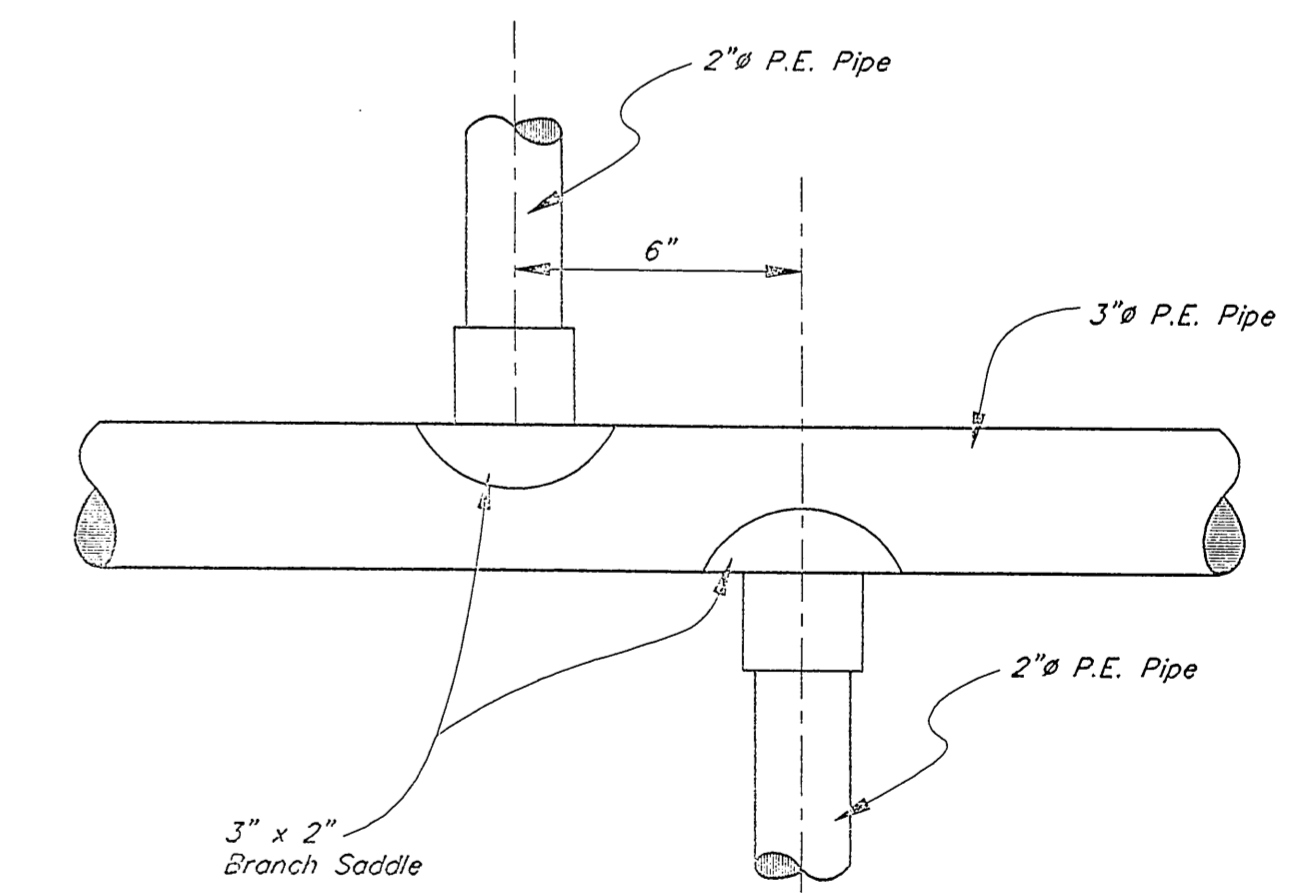
**Detail** ③



**Detail** ④



**Detail** ⑤



**Detail** ⑥

BY:	DATE:	DESCRIPTION OF CHANGE:

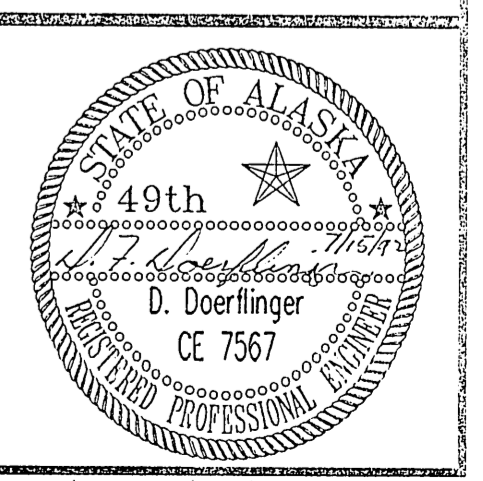
STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
SOUTHEAST REGION DESIGN & CONSTRUCTION

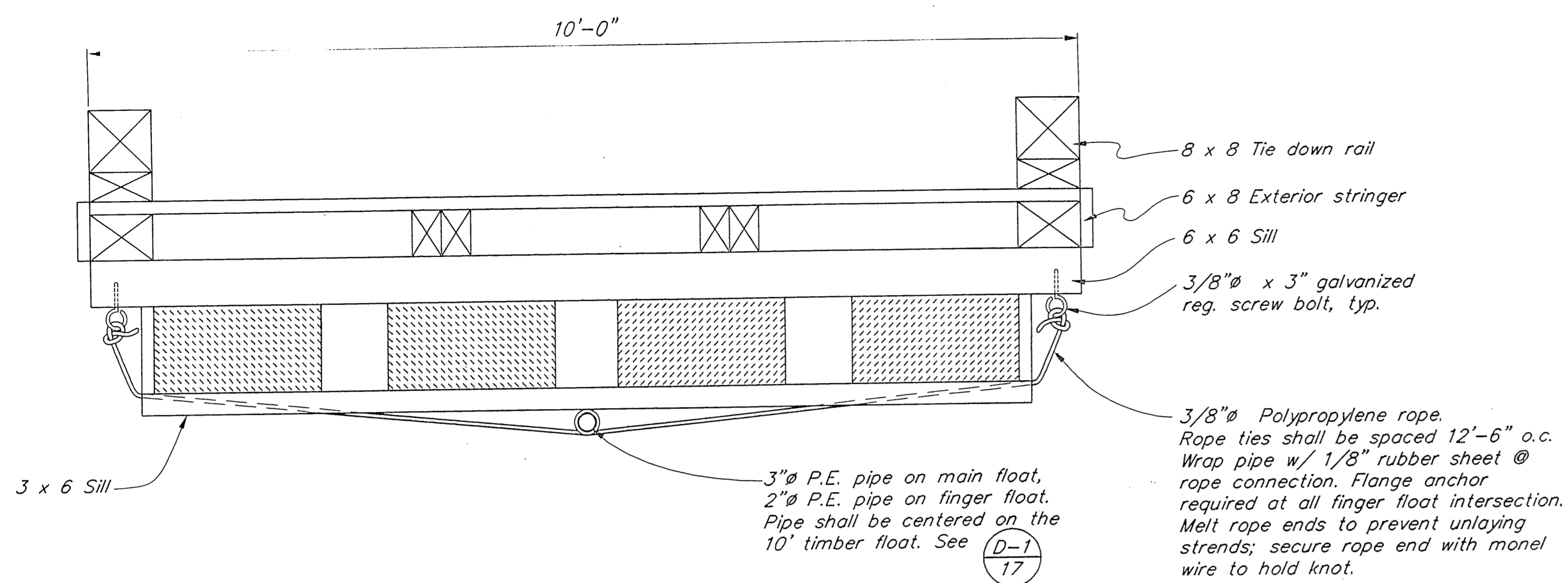
Craig

**WATERLINE DETAILS**

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

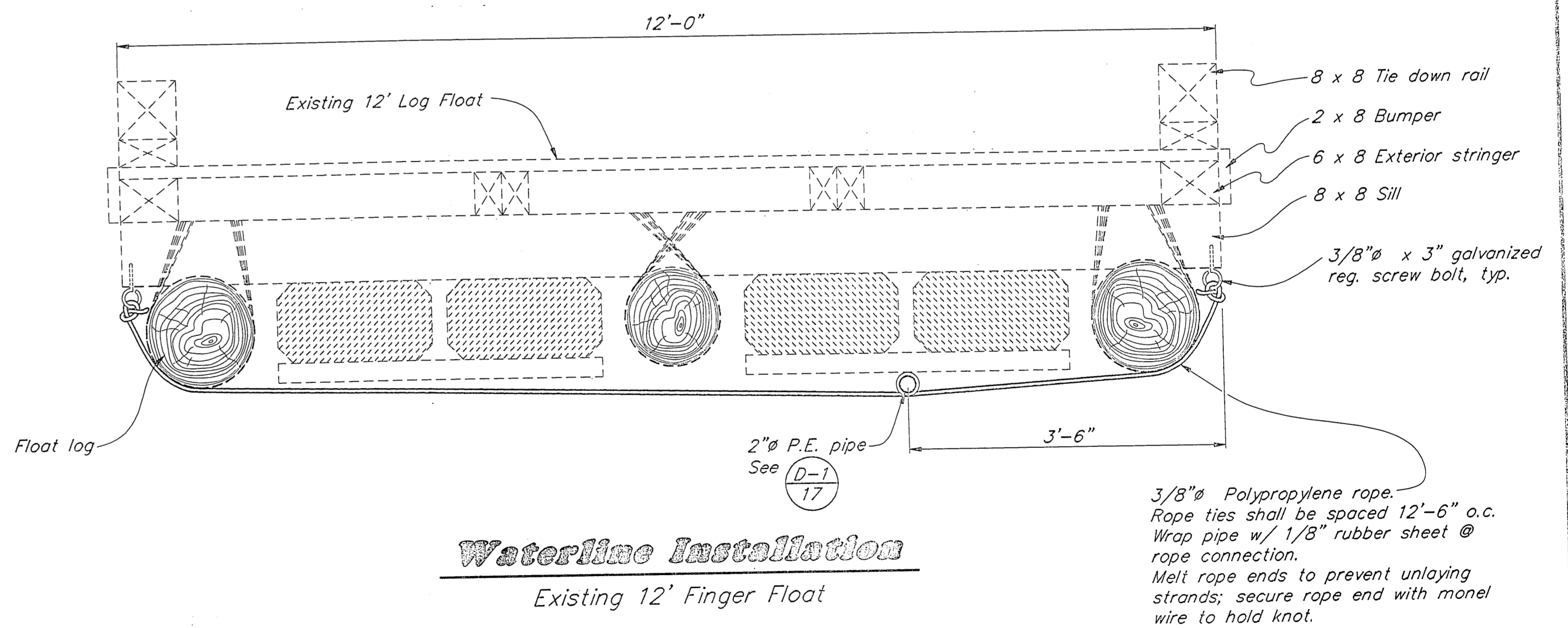
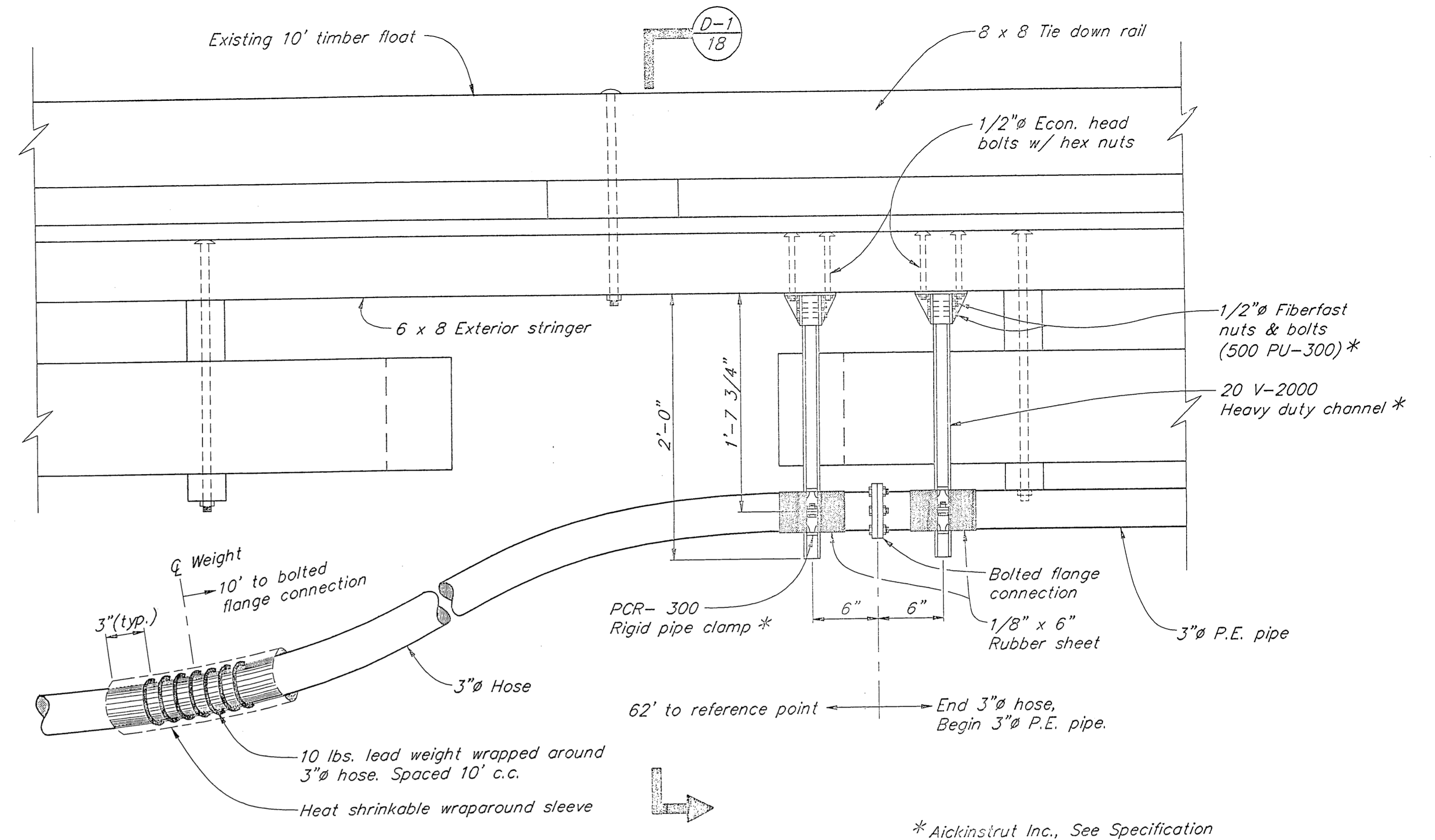
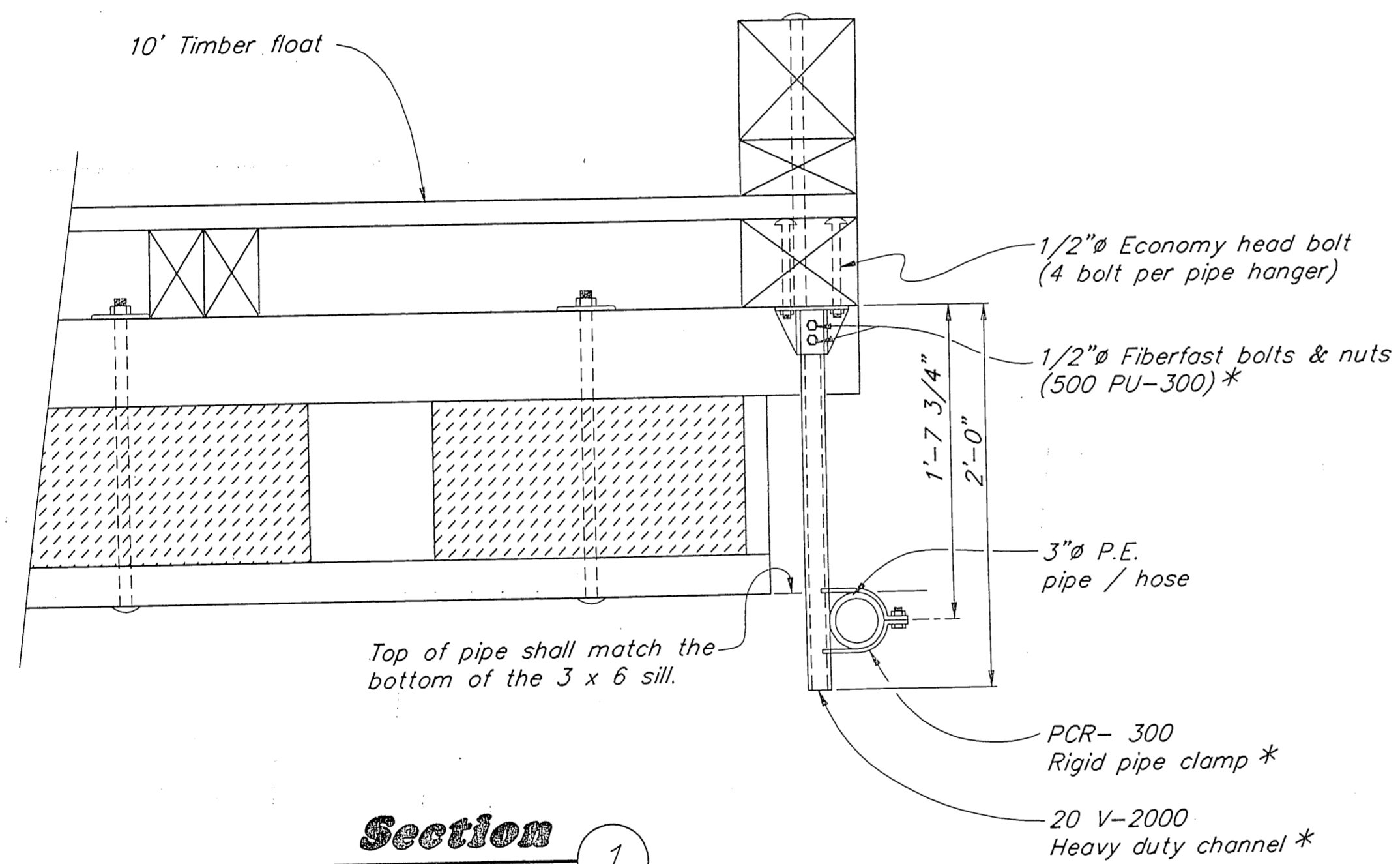
DESIGNED BY: <i>D. SALDIVAR</i>	PROJECT NO. 70649
DRAWN BY: AUTOCAD/R. SNYDER	DATE: JULY 1992
CHECKED BY: <i>D. DOERFLINGER</i>	SHEET 17 OF 22





**Waterline Installation**

10' Timber Float



BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

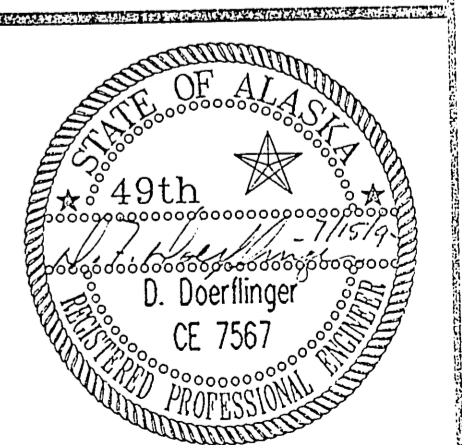
STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
SOUTHEAST REGION DESIGN & CONSTRUCTION

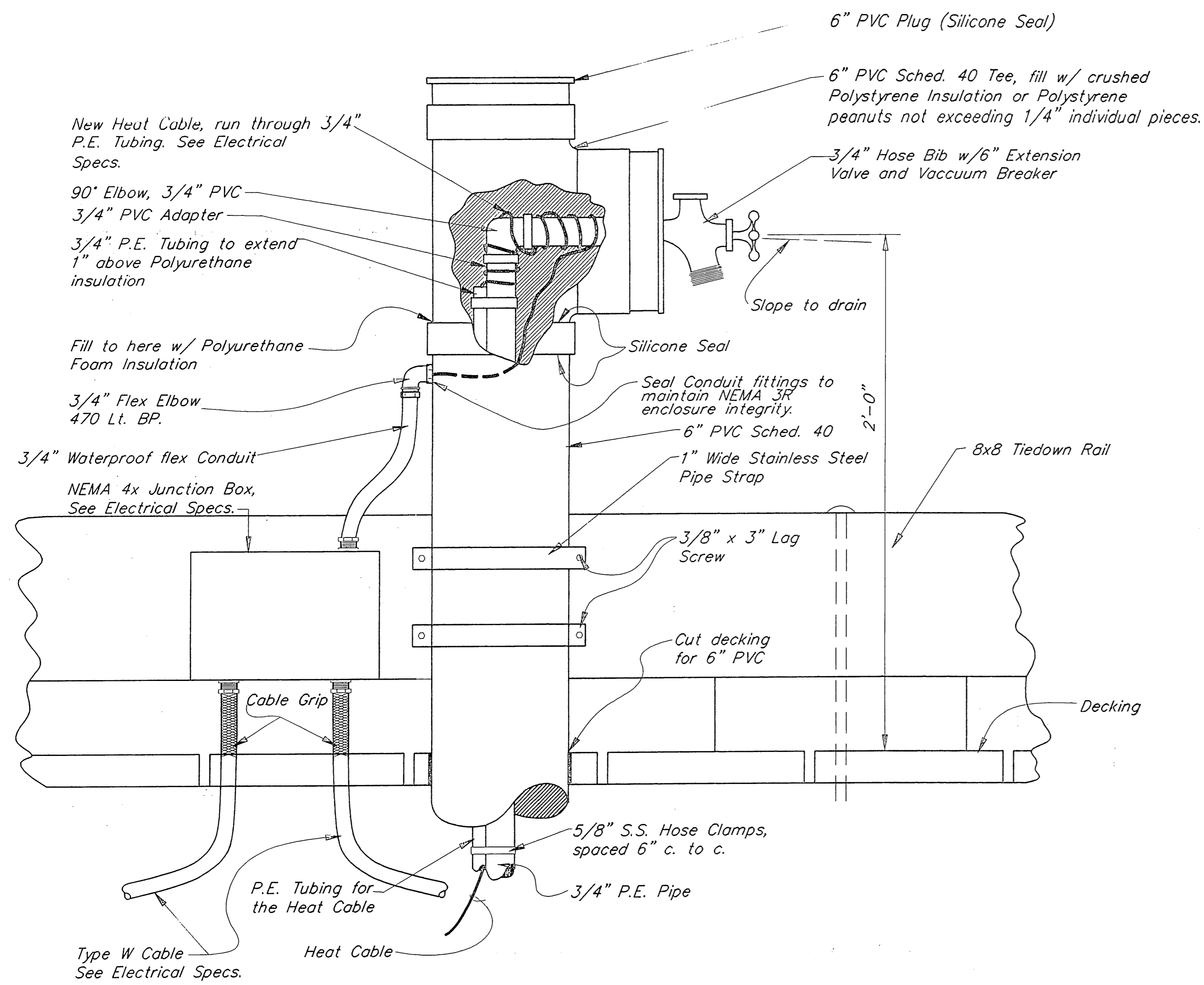
Craig

**WATERLINE DETAILS**

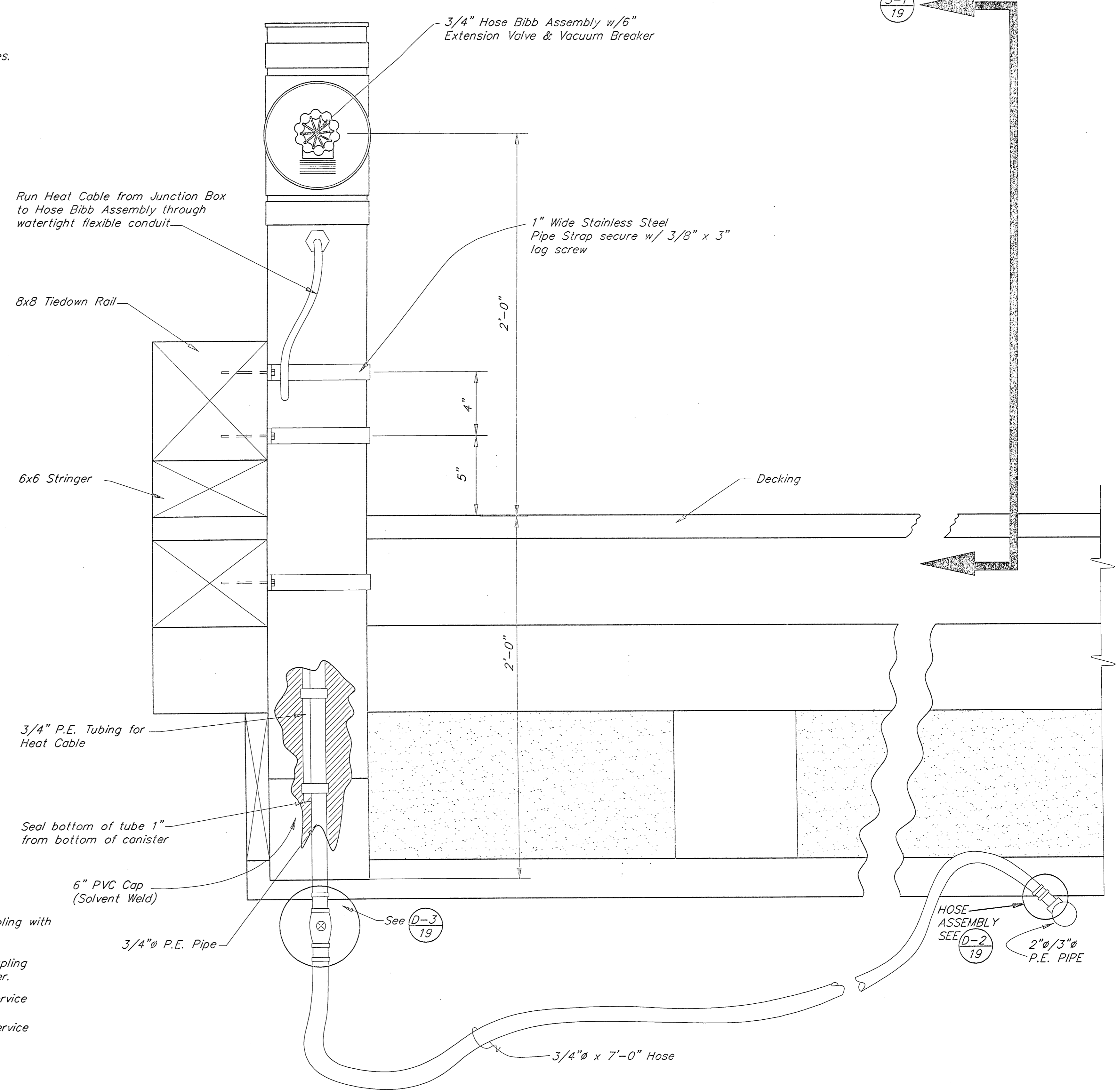
NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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

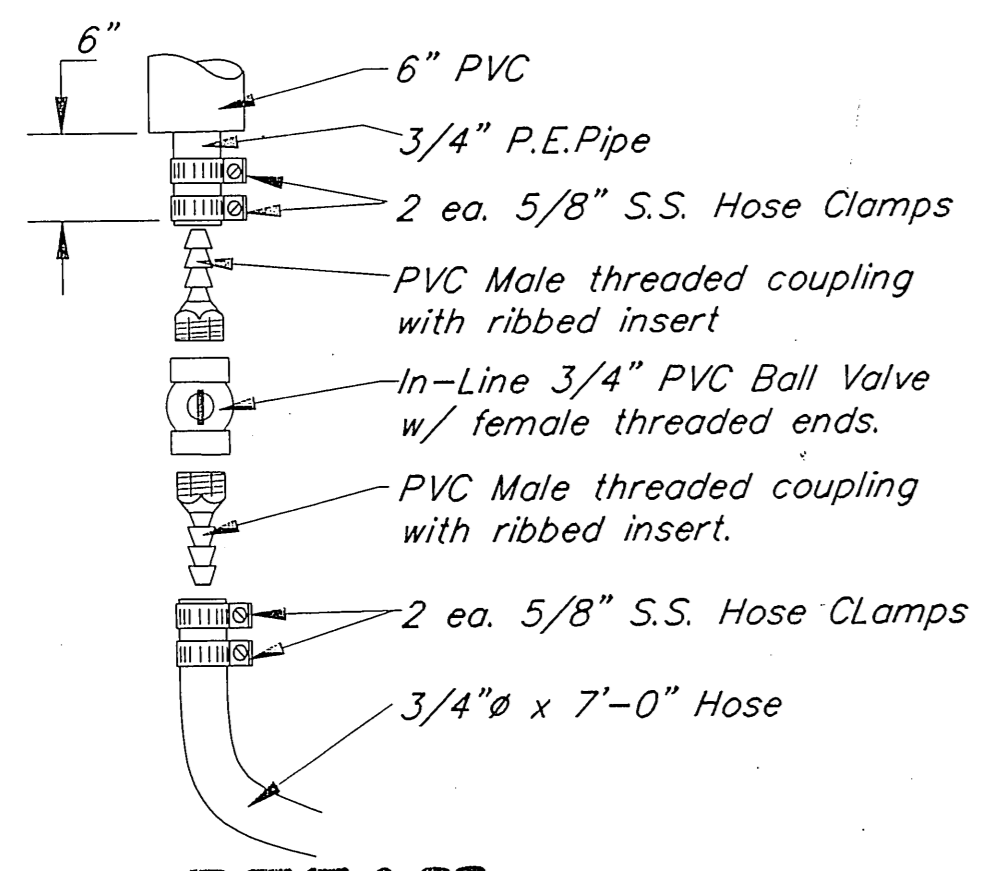




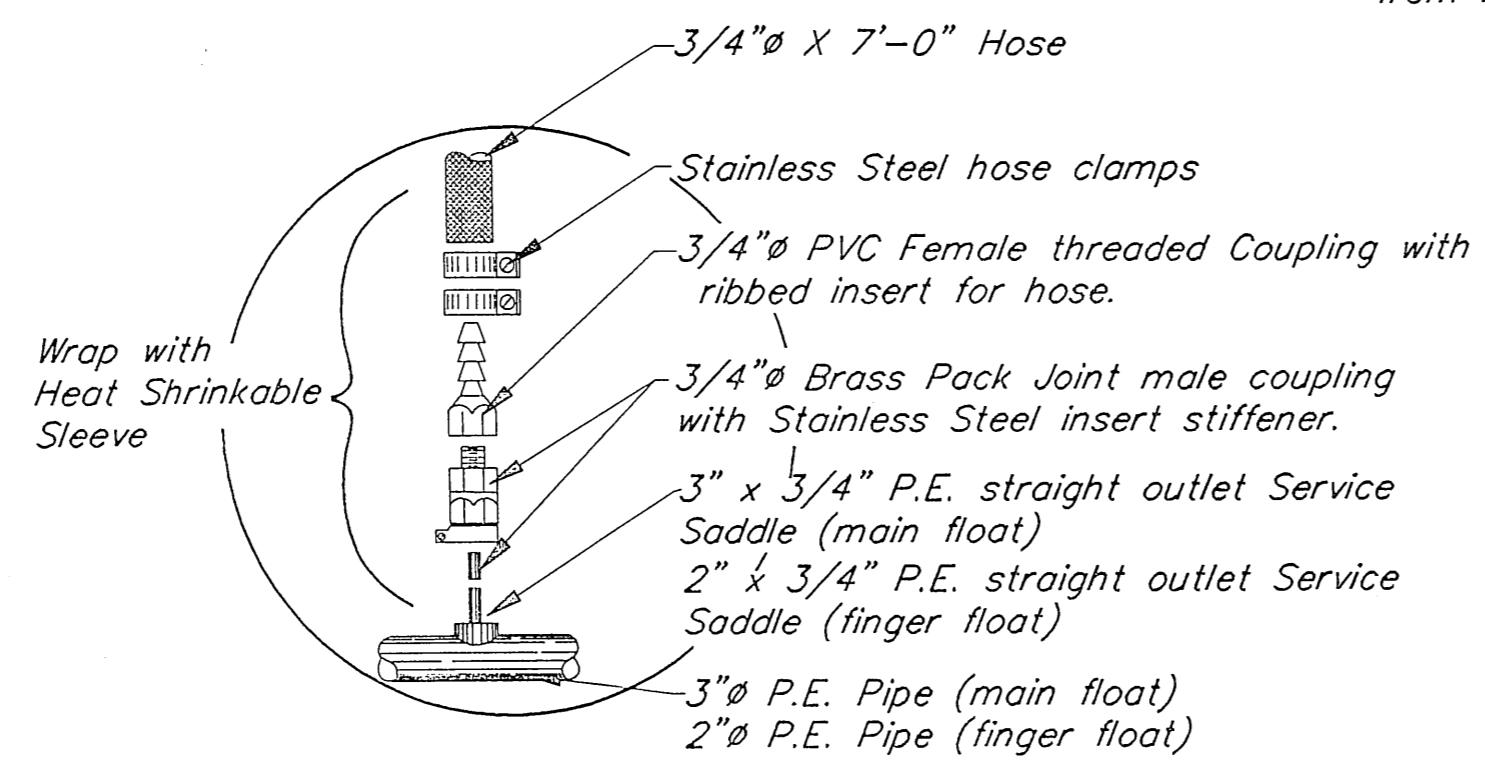
**SECTION 1**



**HOSE BIB ASSEMBLY DETAIL 1**



**DETAIL 3**



**HOSE ASSEMBLY DETAIL 2**

S-1  
19

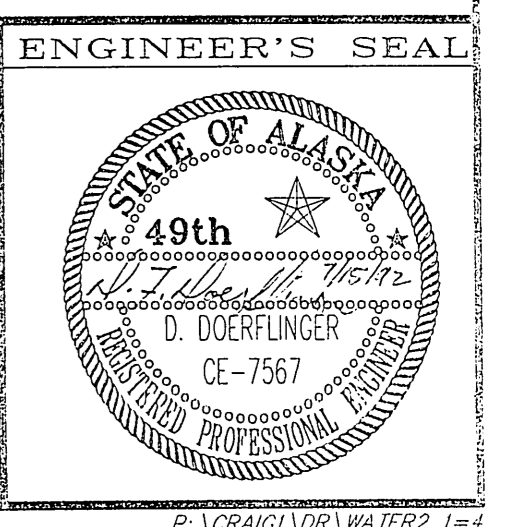
NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

BY:	DATE:	DESCRIPTION OF CHANGE:

STATE OF ALASKA  
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AND PUBLIC FACILITIES  
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Craig  
Alaska

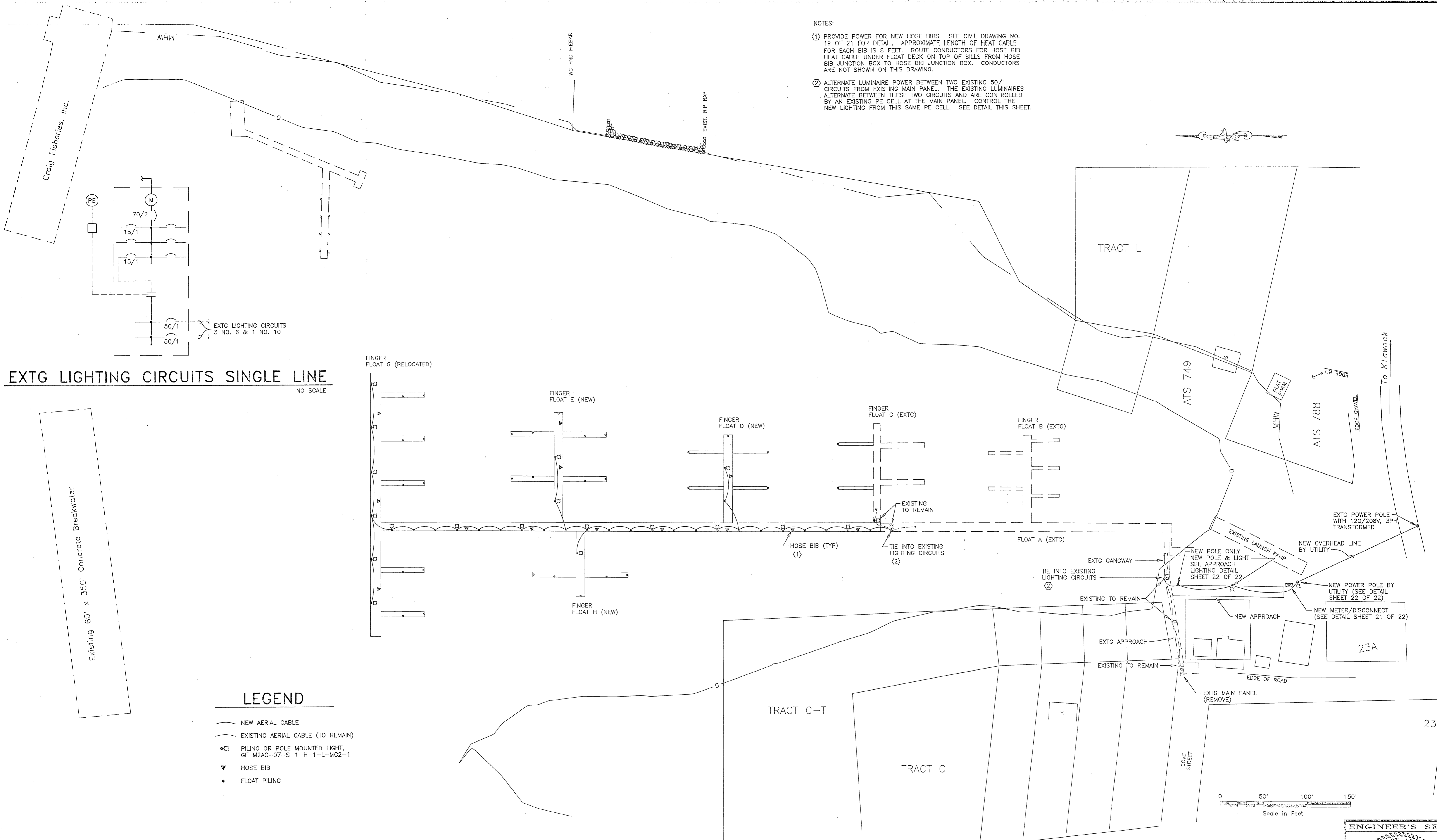
DESIGNED BY: D. SALDIVAR	PROJECT NO. 70649
DRAWN BY: AUTOCADD/ CSA	DATE: JULY 1992
CHECKED BY: D. DOERFLINGER	SHEET 19 OF 22



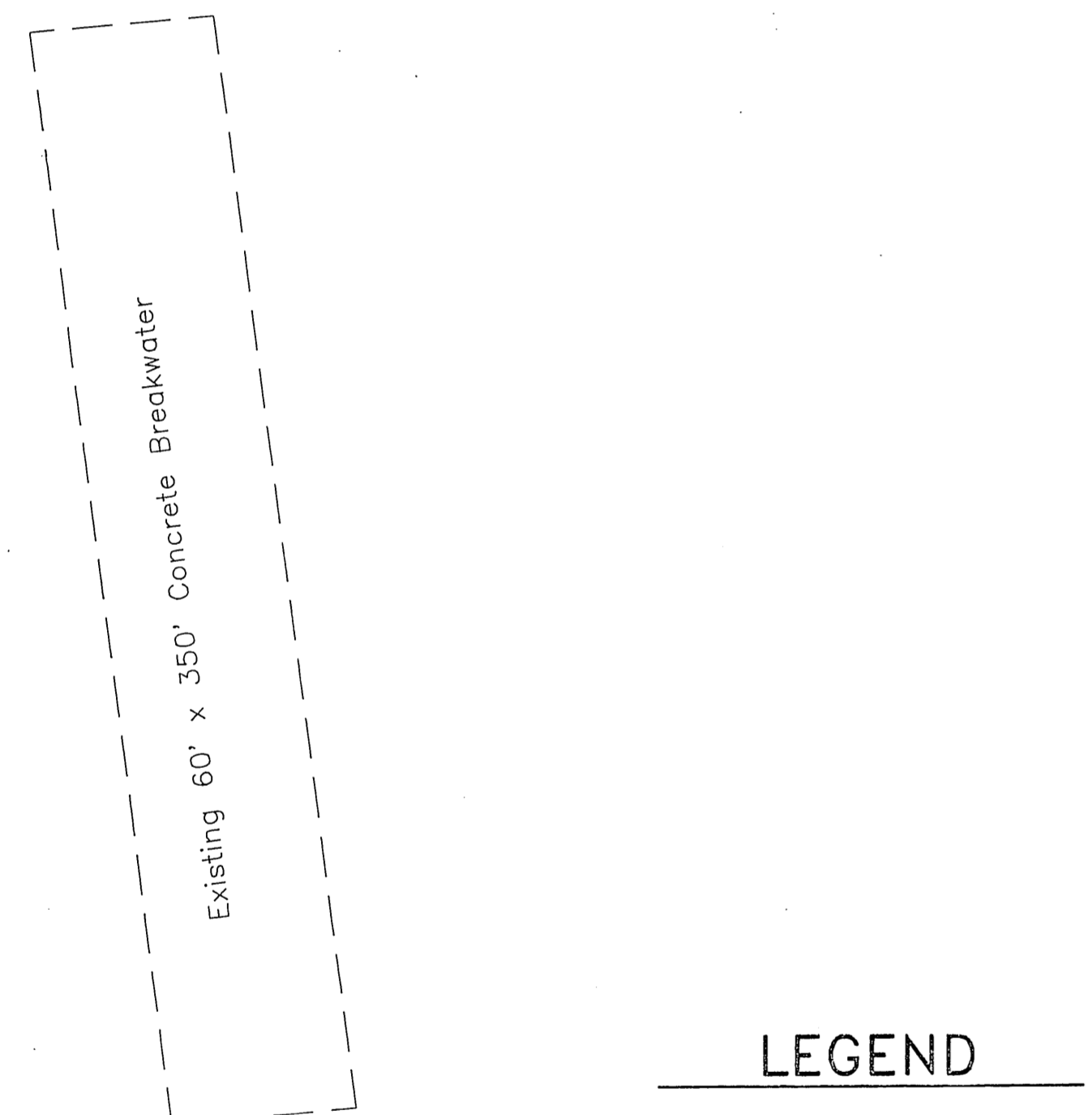
**WATERLINE DETAILS**

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

BY:	DATE:	DESCRIPTION OF CHANGE:

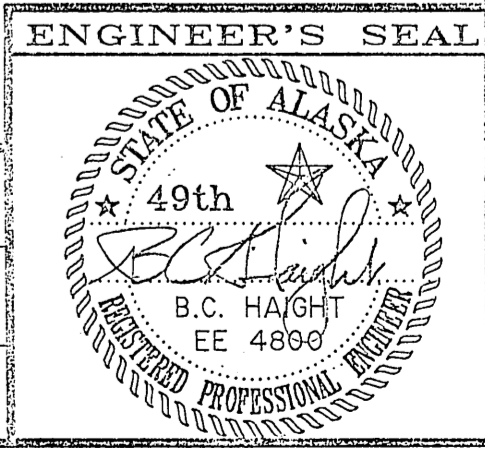
STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
SOUTHEAST REGION DESIGN & CONSTRUCTION

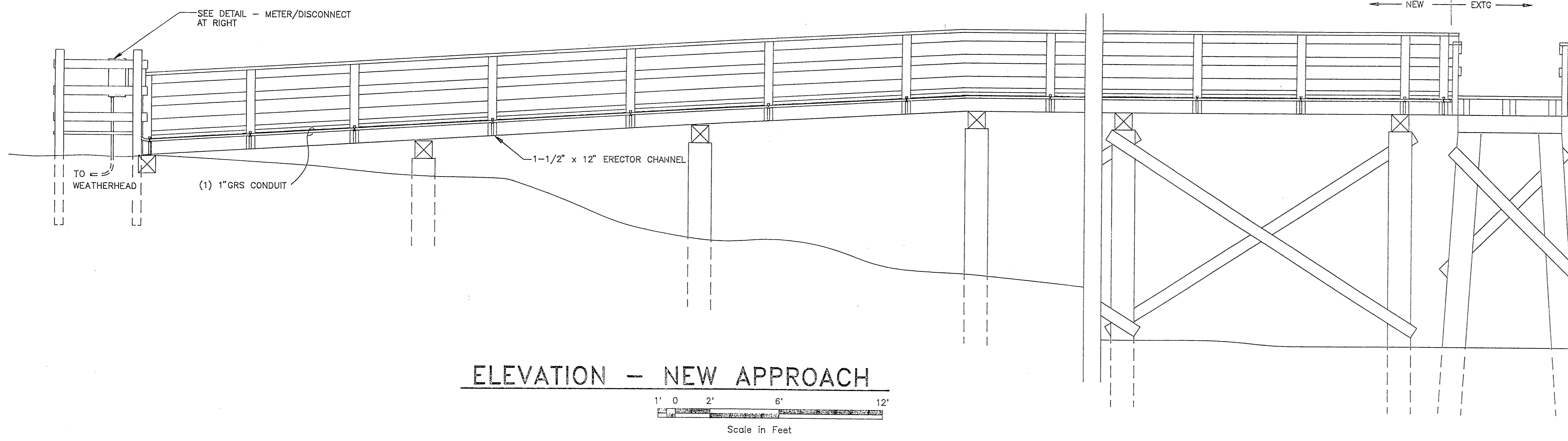
CRAIG

**ELECTRICAL - LIGHTING & THAW WIRE**

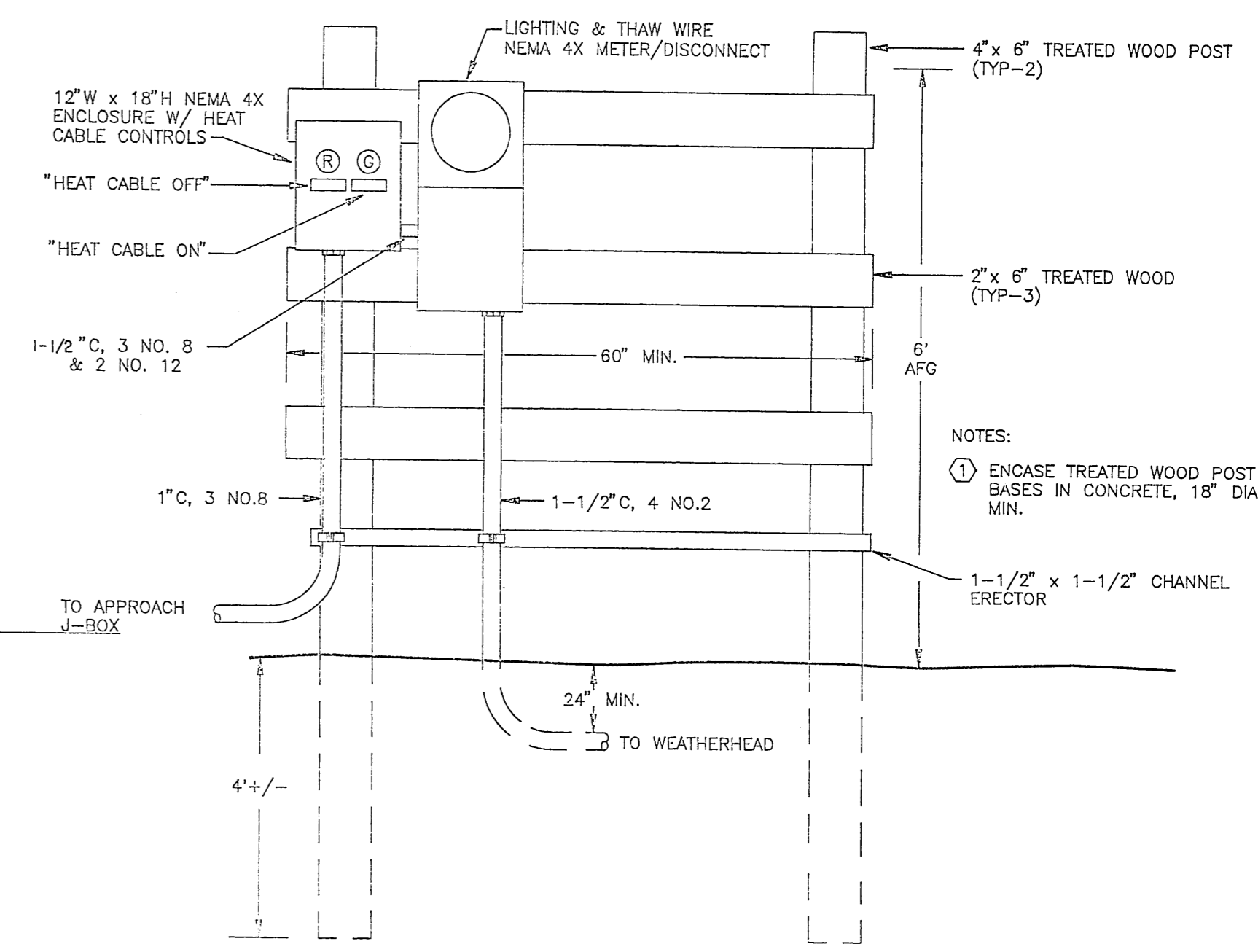
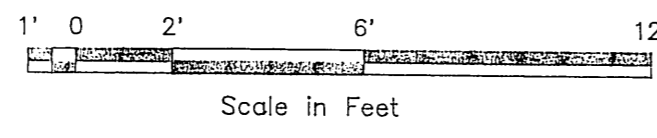
ALASKA

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



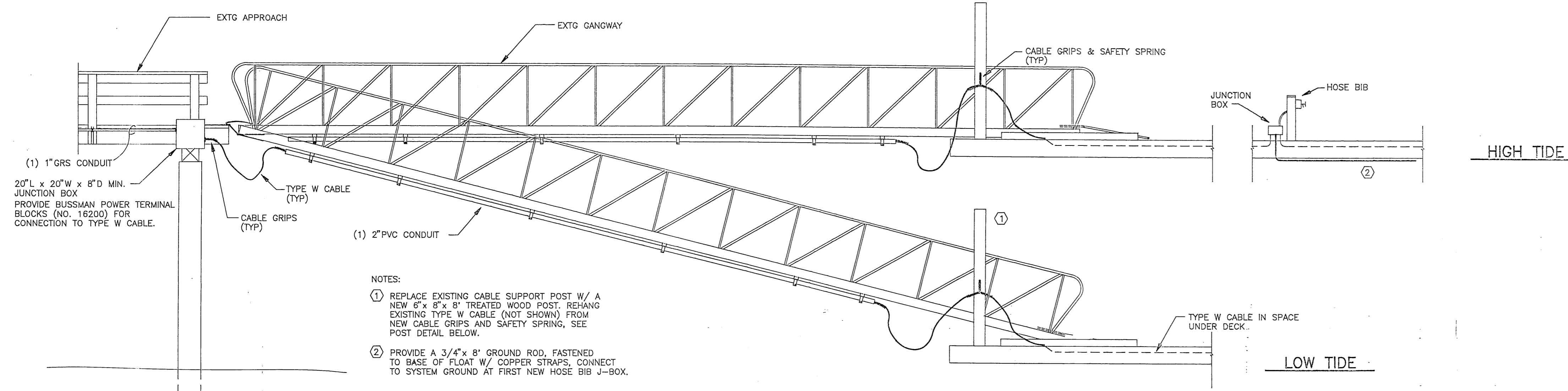


ELEVATION - NEW APPROACH

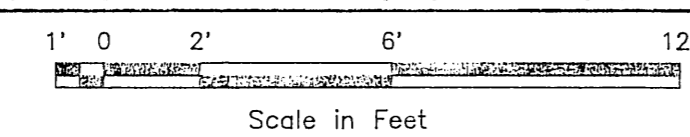


DETAIL - METER/DISCONNECT

NO SCALE

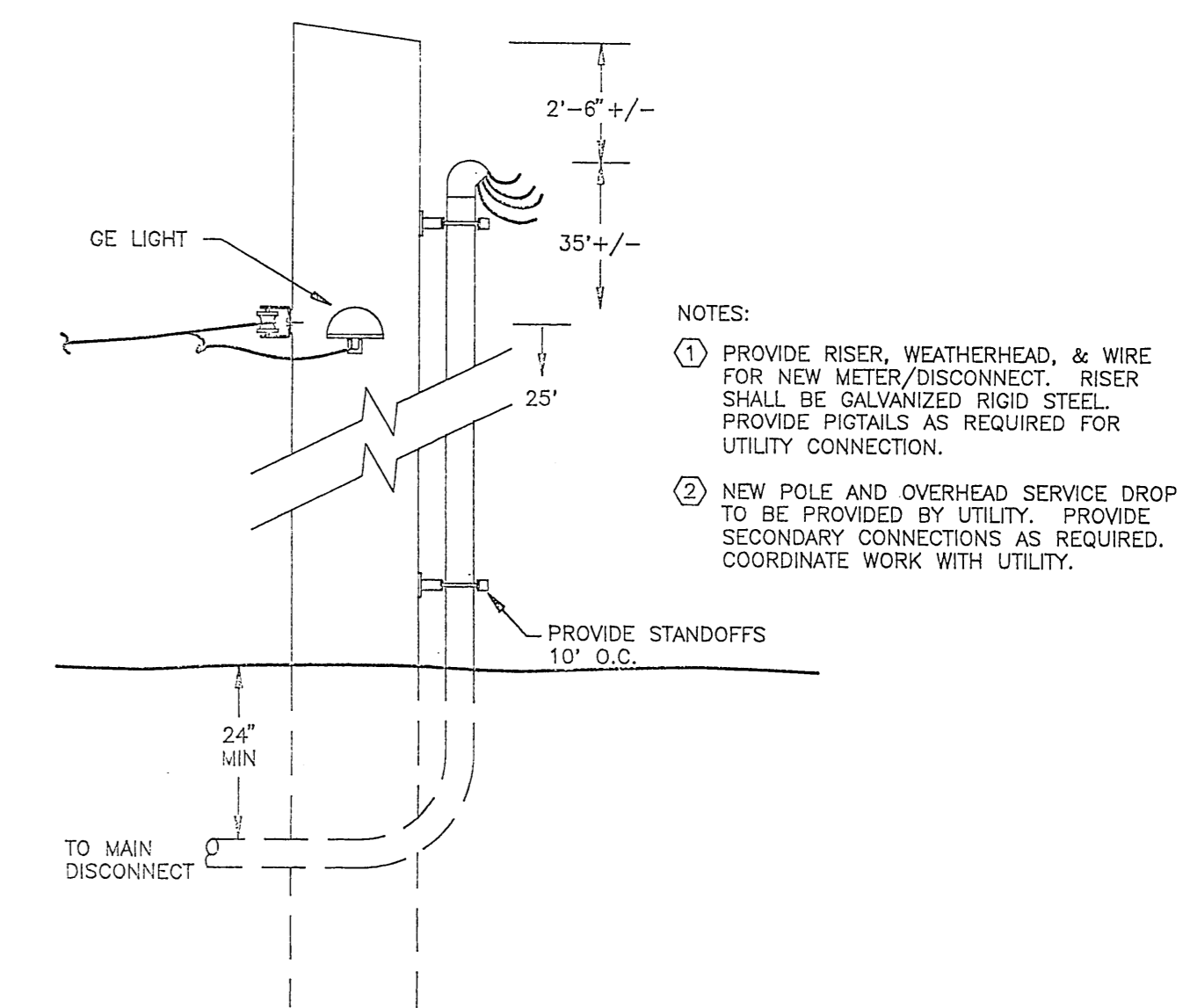


ELEVATION - GANGWAY



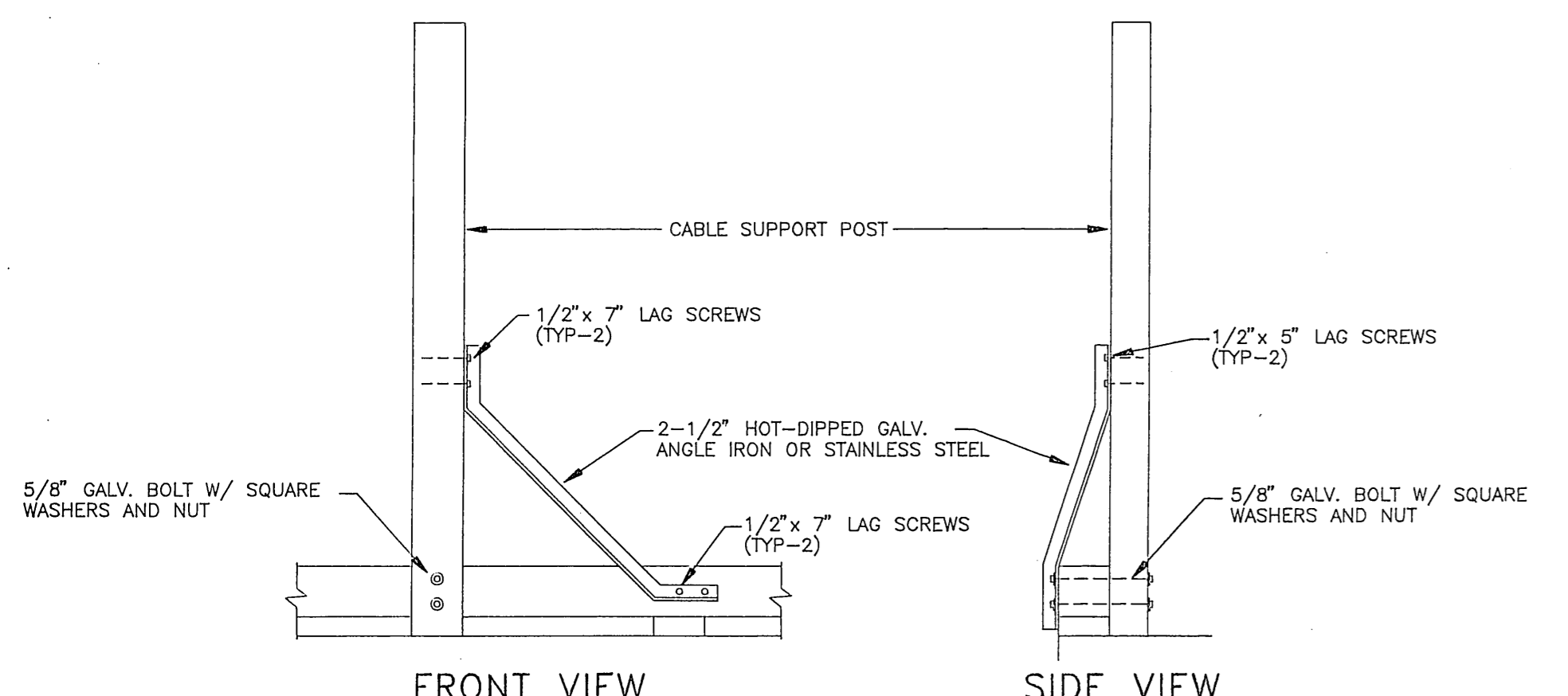
HIGH TIDE

LOW TIDE

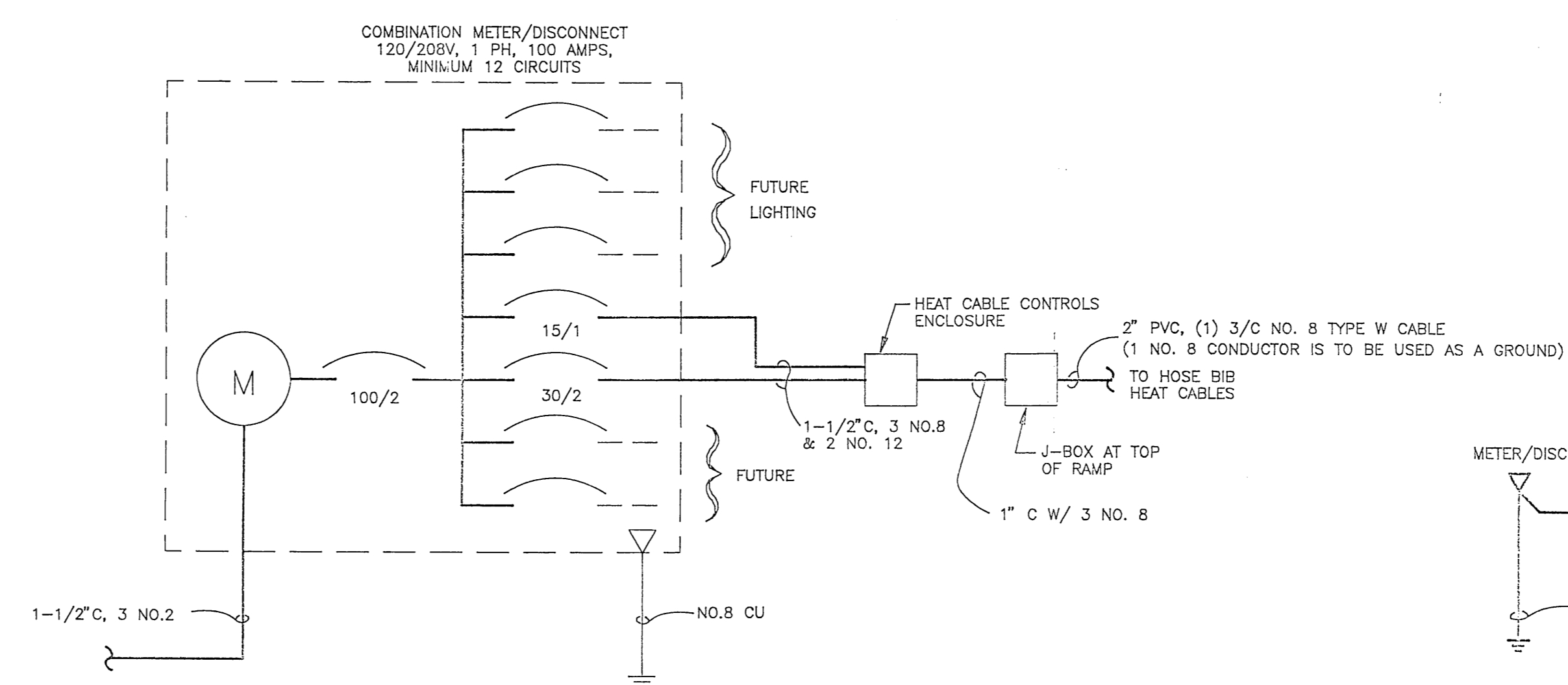
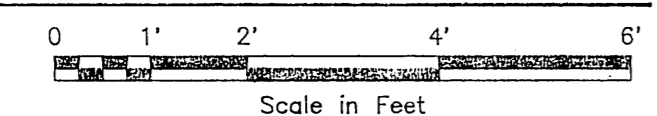


DETAIL - OVERHEAD SERVICE DROP

NO SCALE

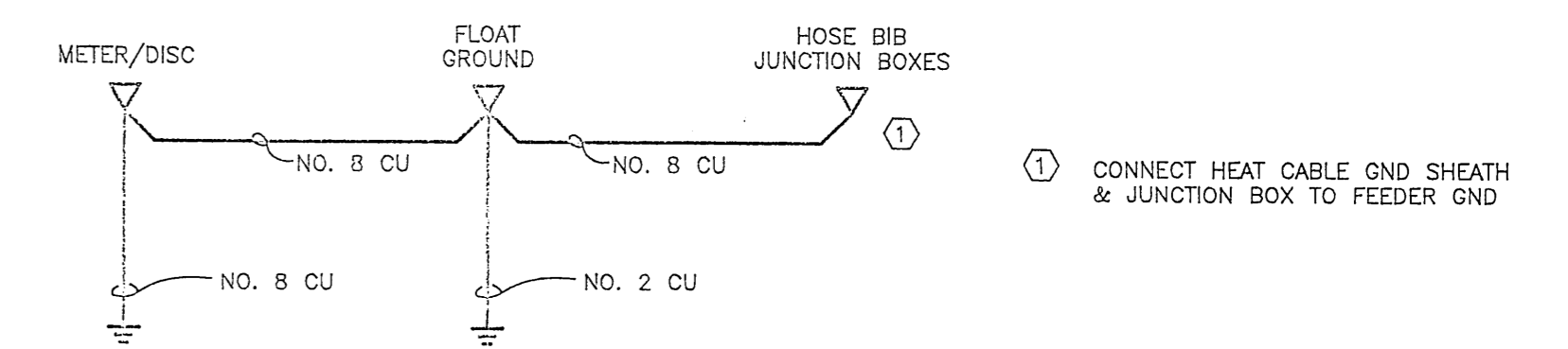


DETAIL - CABLE SUPPORT POST



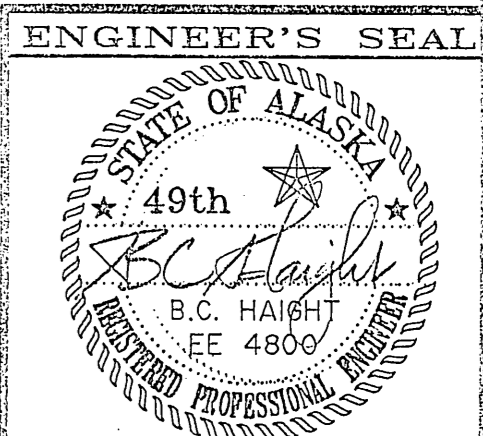
SINGLE LINE DIAGRAM

NO SCALE



GROUNDING SCHEMATIC

NO SCALE



BY:	DATE:	DESCRIPTION OF CHANGE:

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

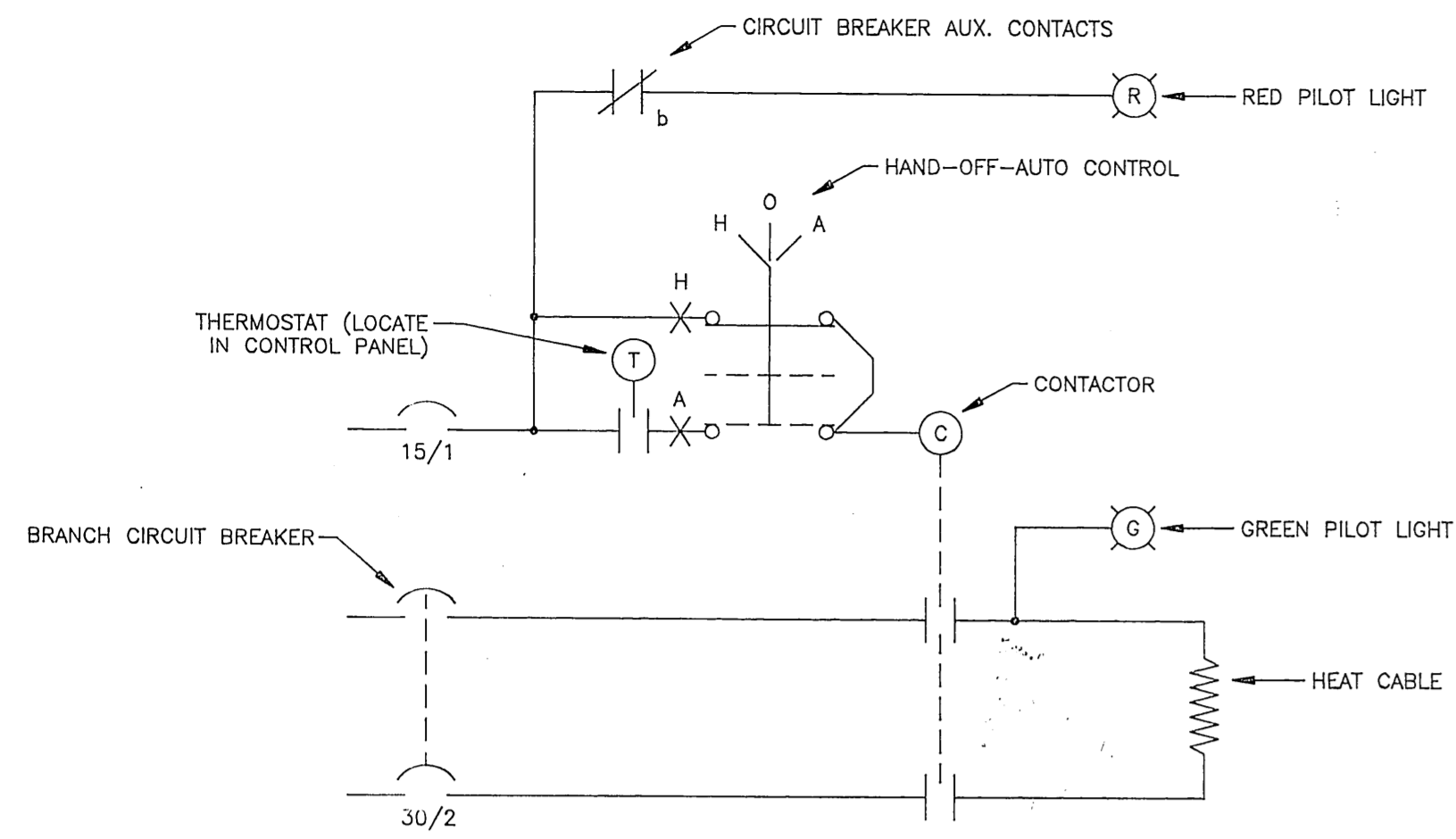
CRAIG

ELECTRICAL - LIGHTING & THAW WIRE

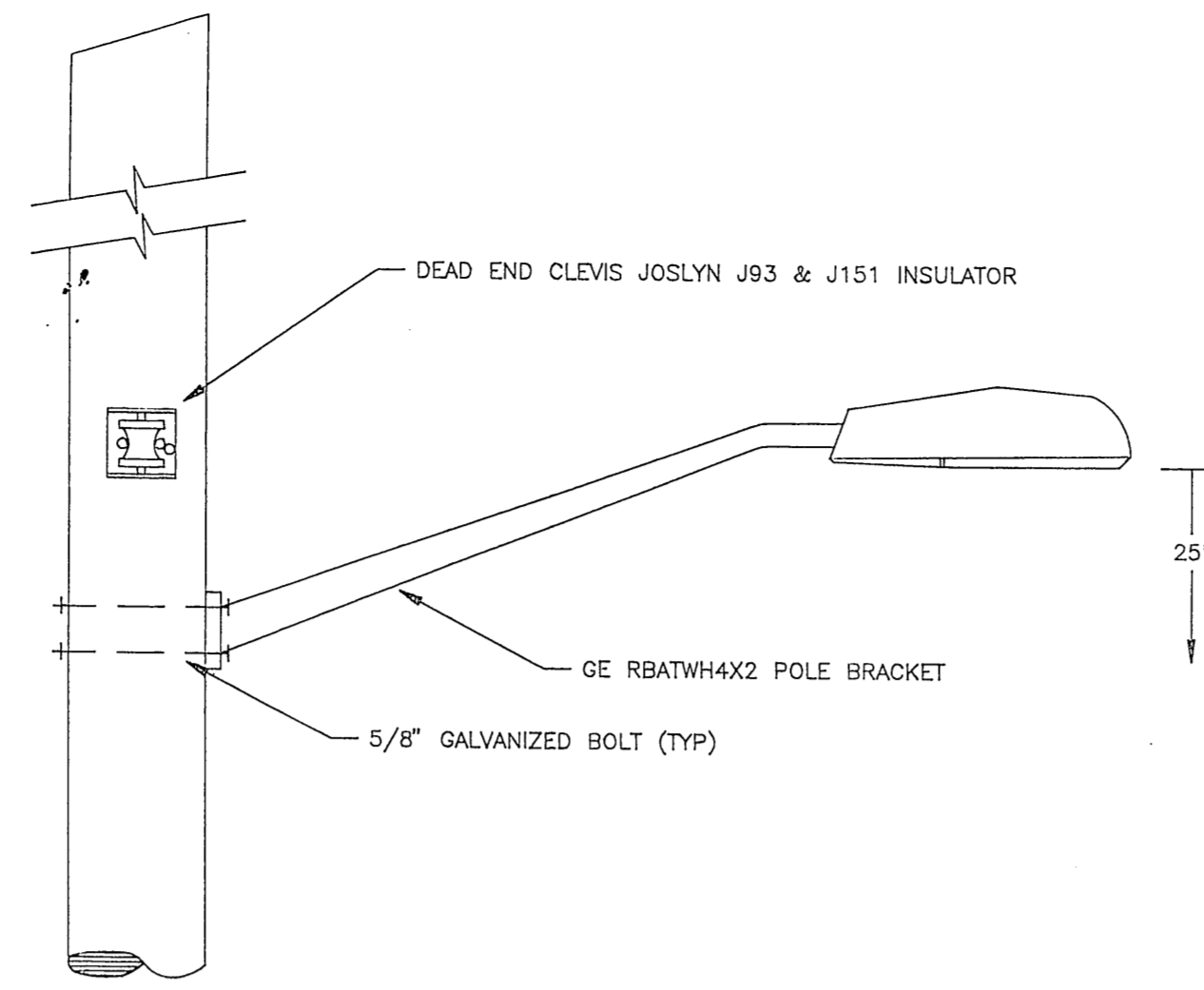
ALASKA

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

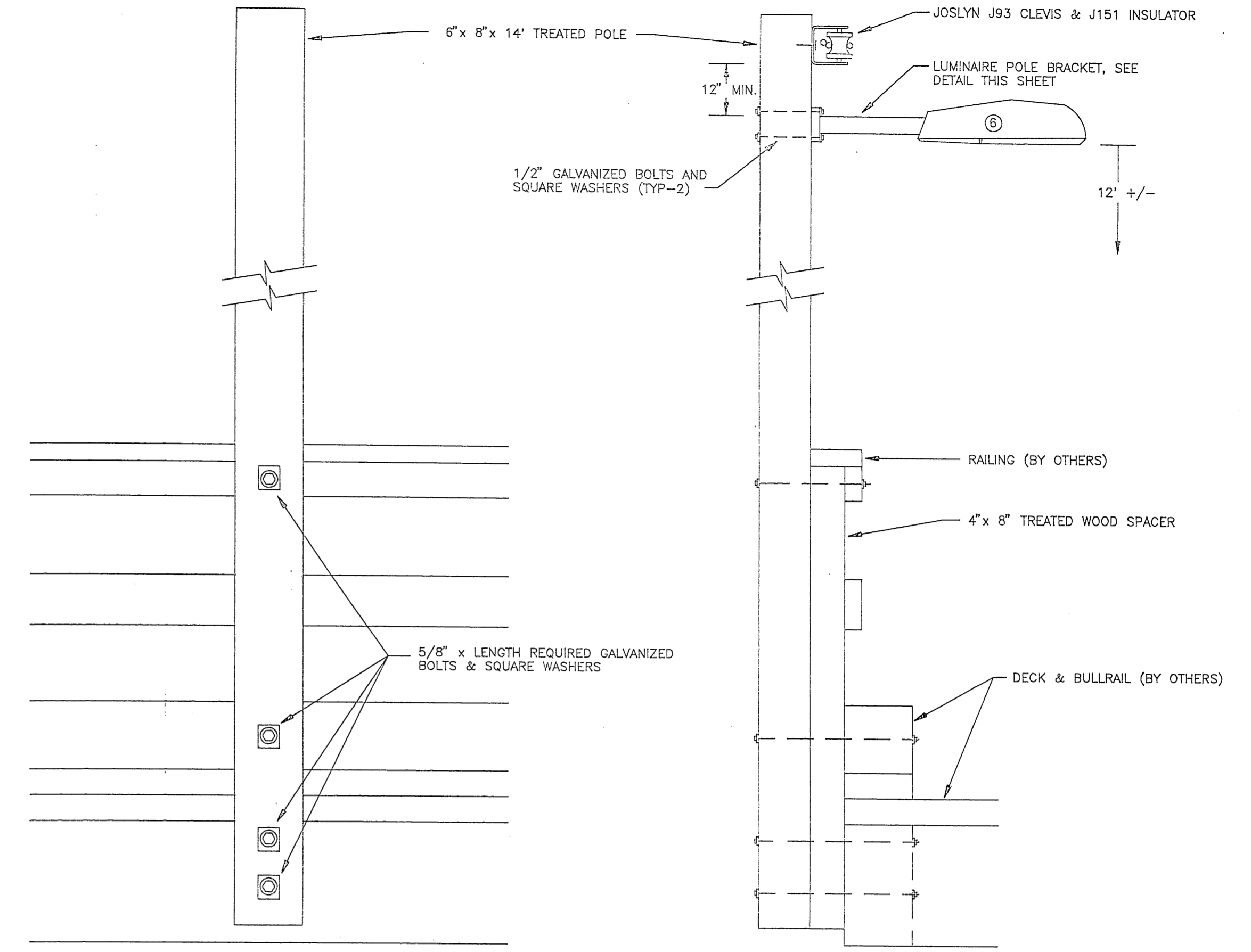
RECORD OF REVISIONS



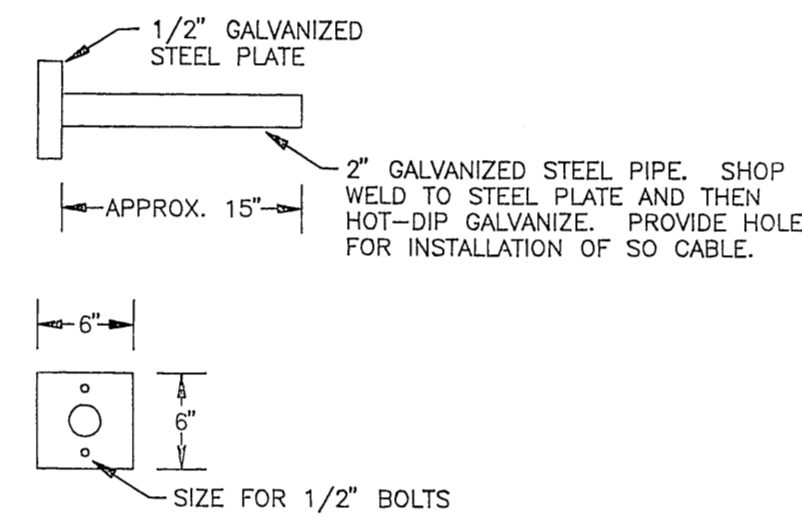
**CONTROLS DIAGRAM - HEATING CABLE**  
NO SCALE



**DETAIL - POWER POLE LIGHTING**  
NO SCALE



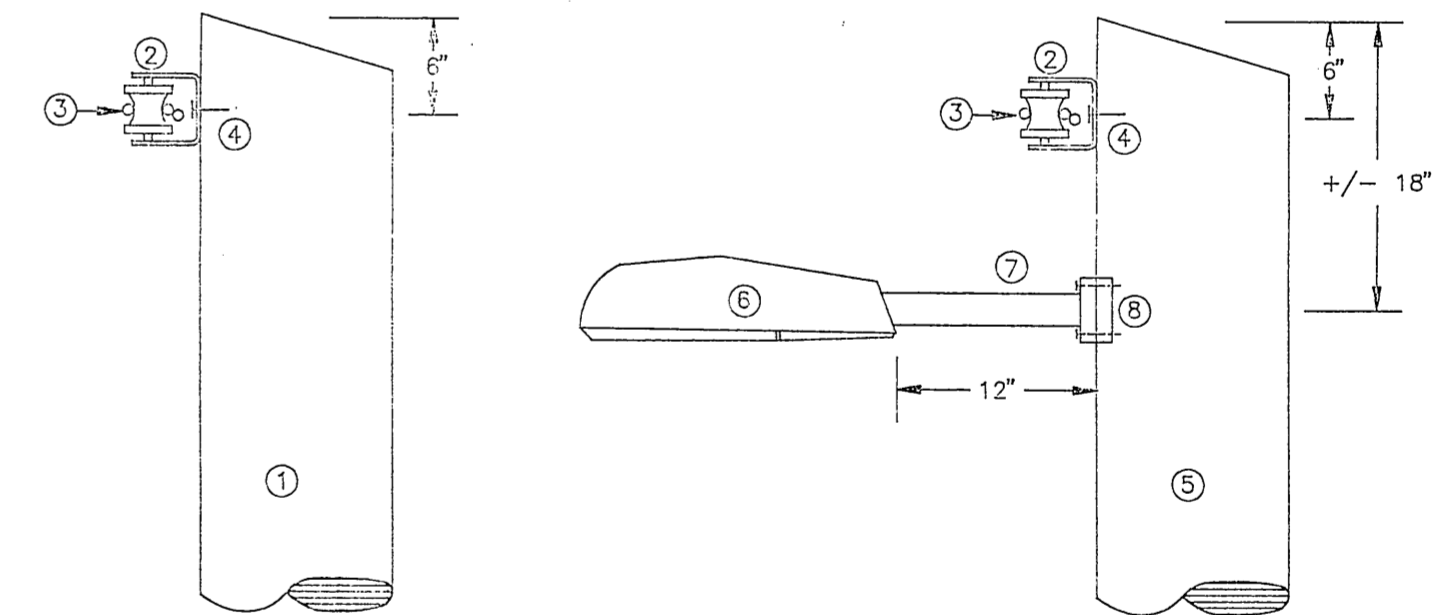
**DETAIL - APPROACH LIGHTING**  
NO SCALE



**DETAIL - POLE BRACKET**  
NO SCALE

**EQUIPMENT / NOTES:**

- ① STEEL PILING W/ AERIAL LINE SUPPORT.
- ② CLEVIS & INSULATOR: JOSLYN J93 & J151.
- ③ AERIAL CABLE: #6 QUADRUPLIX 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:

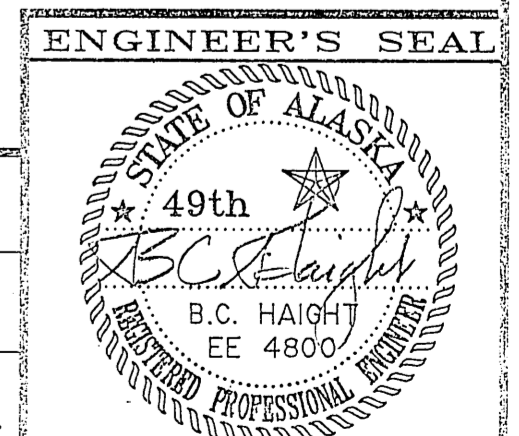
STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
SOUTHEAST REGION DESIGN & CONSTRUCTION

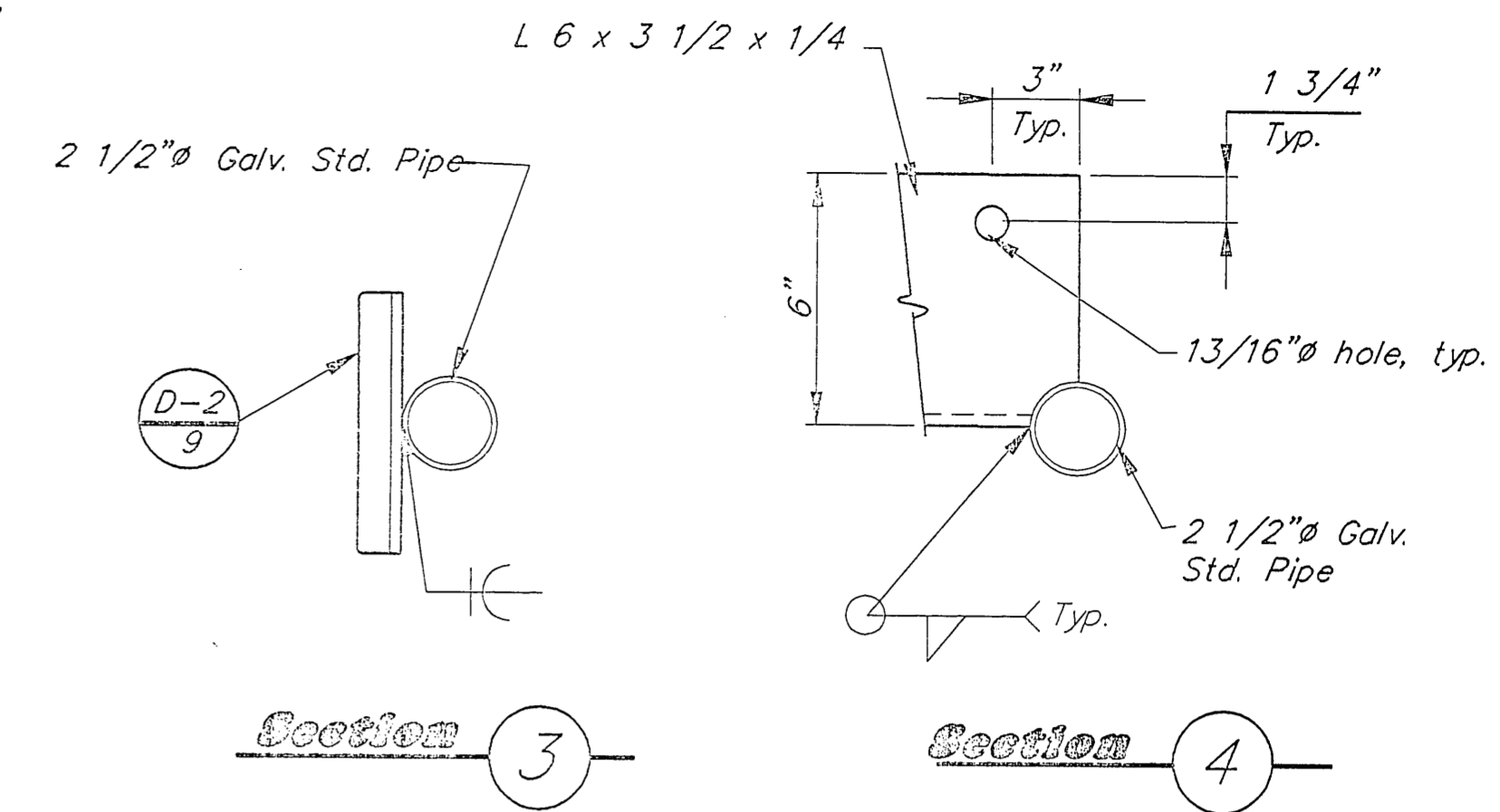
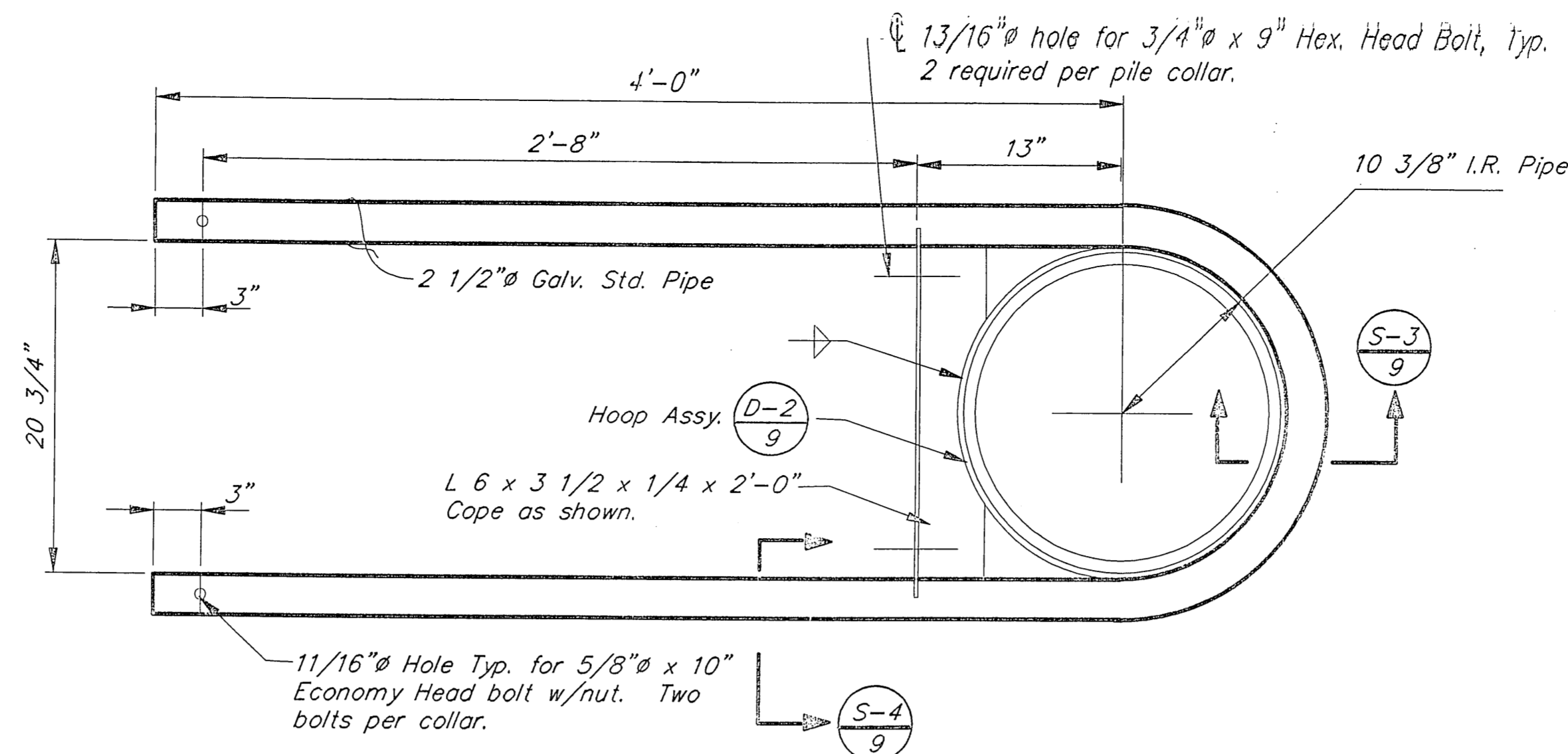
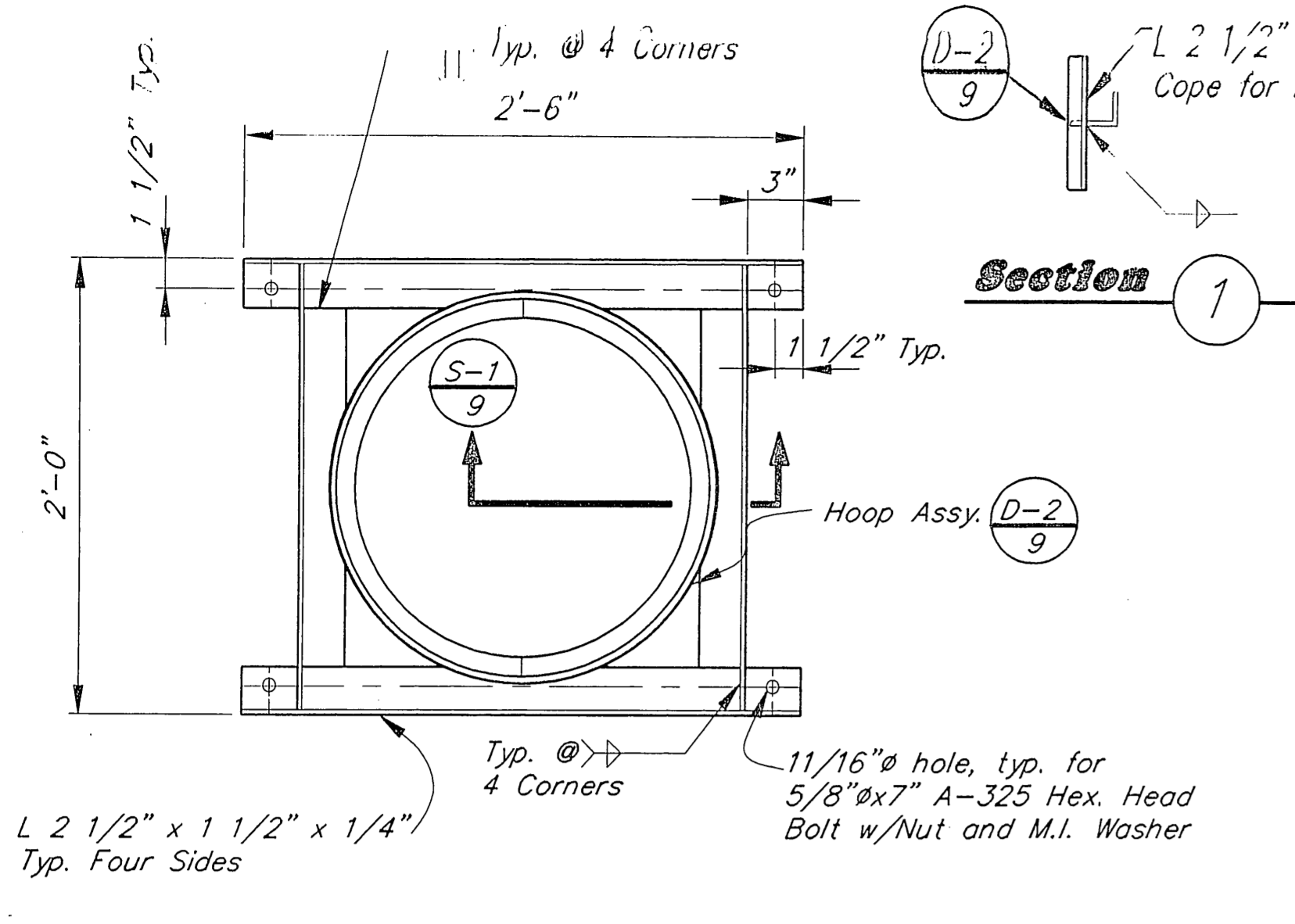
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**ELECTRICAL - LIGHTING & THAW WIRE**

ALASKA

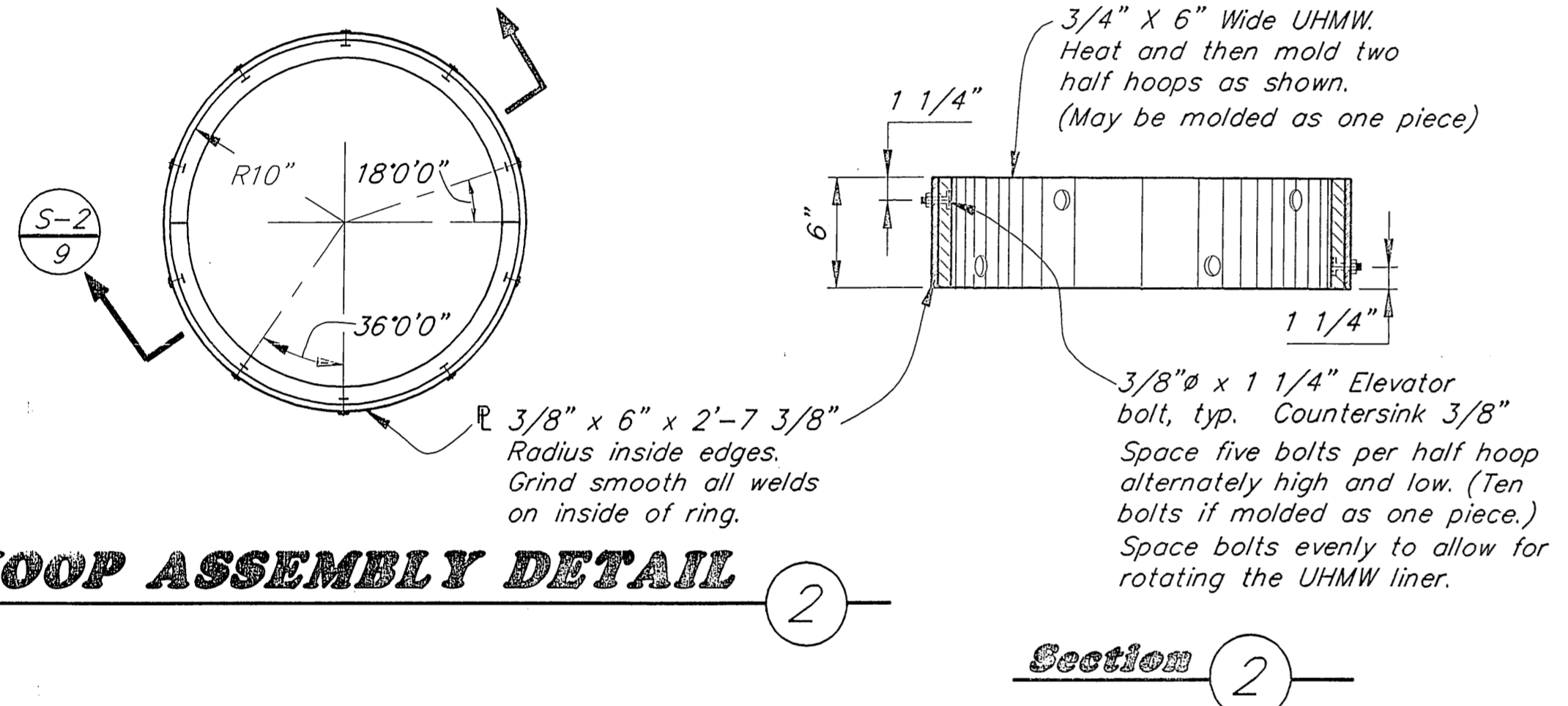
DESIGNED BY:	TSM	PROJECT No.	70649
DRAWN BY:	PEL	DATE:	JULY 14, 1992
CHECKED BY:	BCH		



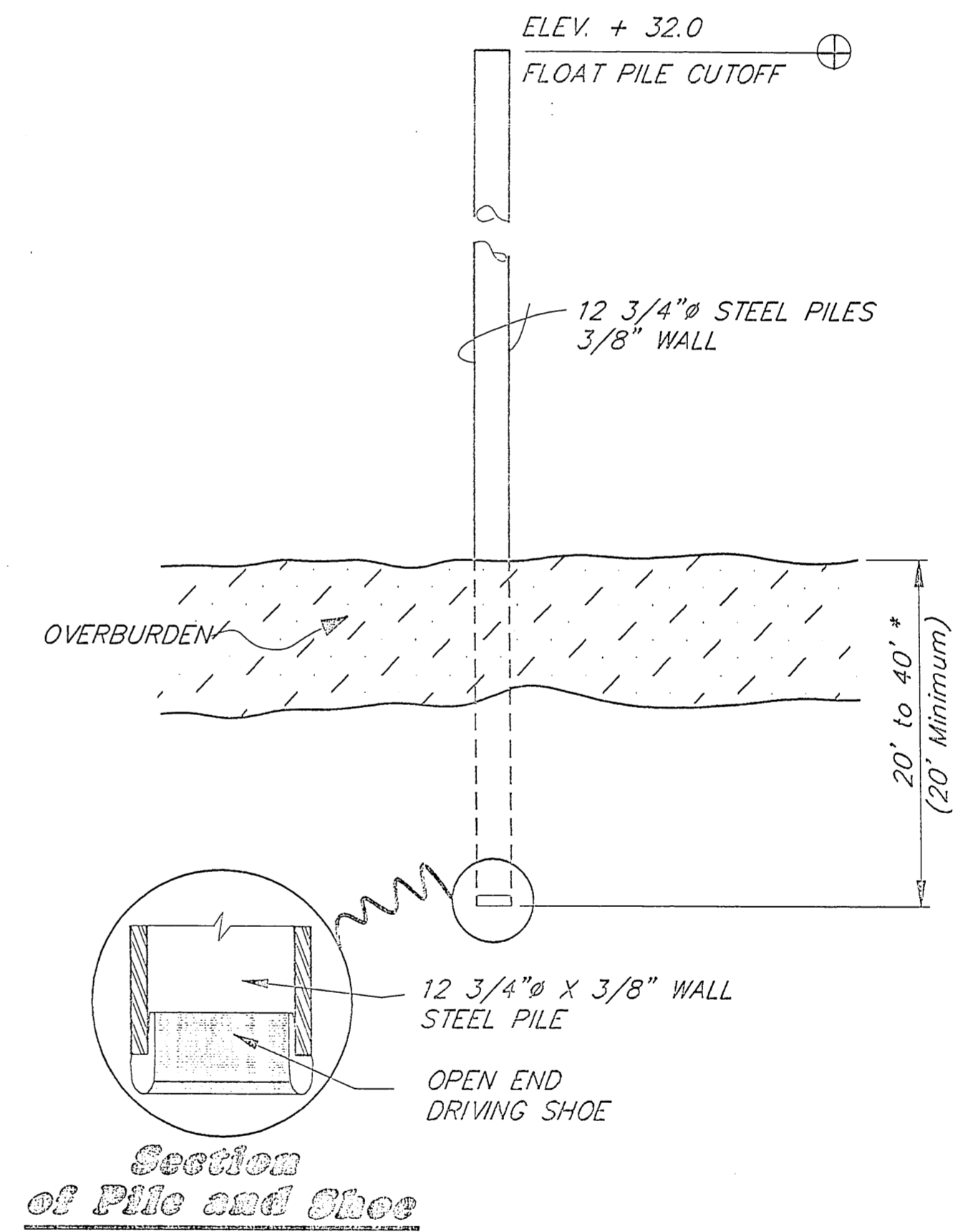


**INTERIOR PILE COLLAR DETAIL** 1

**EXTERIOR PILE COLLAR DETAILS** 3



**HOOP ASSEMBLY DETAIL** 2



**STEEL PILE DETAIL** 4

\* SEE PILE SUMMARY ON SHEET 2.

BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

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

Craig

**HINGE AND COLLAR CONNECTION DETAILS**

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

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

