

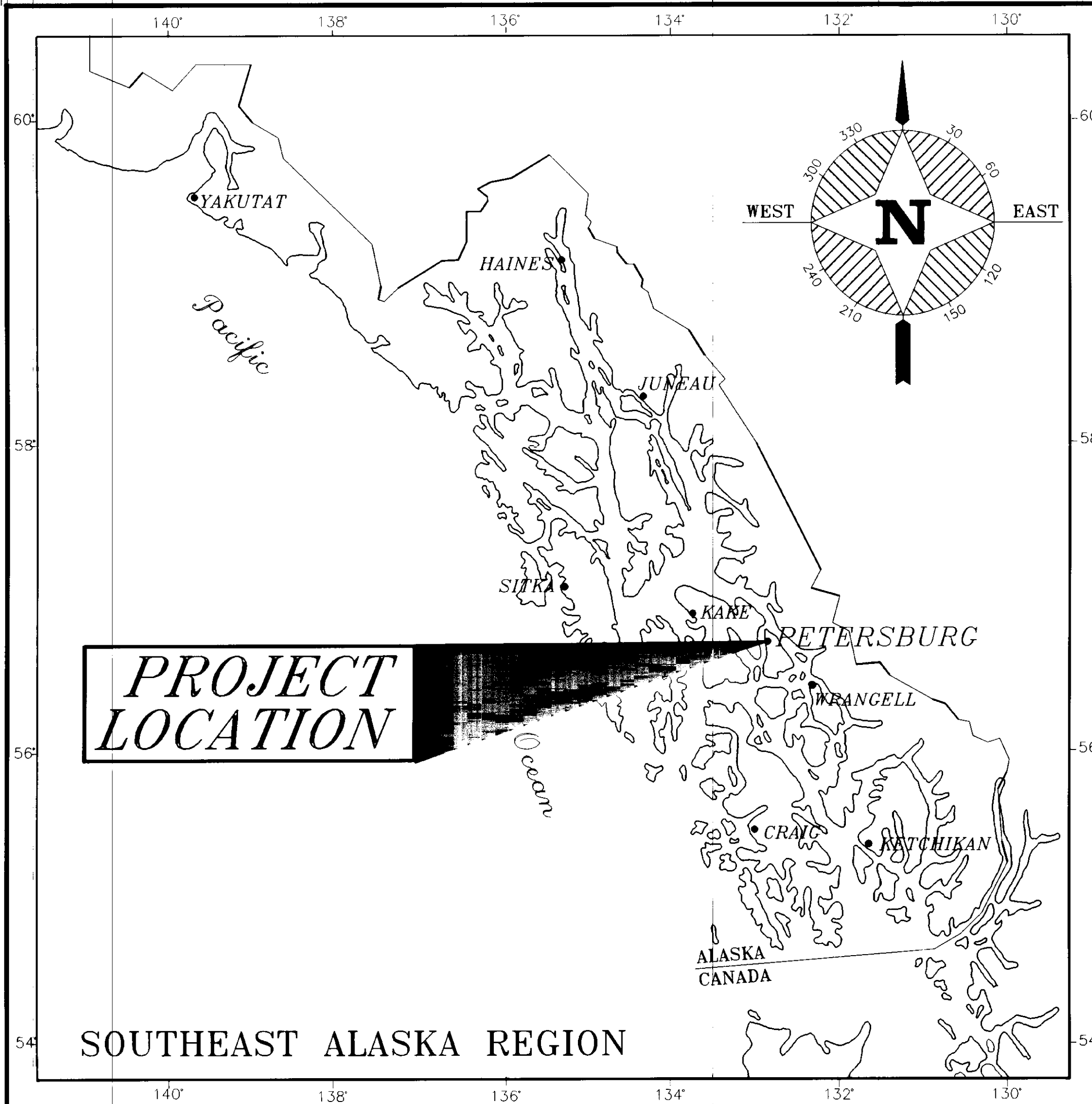
STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND  
 PUBLIC FACILITIES  
 SOUTHEAST REGION  
 DESIGN AND CONSTRUCTION DIVISION

PETERSBURG, ALASKA

**PETERSBURG SEAPLANE  
 FACILITY**

**A.I.P. No. 3-02-0304-01**

**PROJECT No. 70641**



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2	ESTIMATE OF QUANTITIES
3	FLOAT LAYOUT PLAN
4	PLAN & PROFILE FOR ACCESS ROAD
5	ROADWAY TYPICAL SECTIONS
6	DREDGING TYPICAL SECTIONS
7	RETAINING WALL DETAILS
8-12	GANGWAY DETAILS
13-15	APPROACH/TURNAROUND FLOAT DETAILS
16-18	SEAPLANE FLOAT DETAILS
19	10' WIDE TIMBER FLOAT
20-24	RAMP SEAPLANE FLOAT DETAILS
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26	HINGE WELDMENT DETAILS
27	TRANSITION PLATE DETAILS
28	PILE COLLAR DETAILS
29-30	WIND CONE & SIGN DETAILS
31	SIGN MOUNTING DETAILS
32	DOLPHIN DETAILS
33	PIPE HANDRAIL DETAILS
34	MISCELLANEOUS DETAILS
35	FIRE EXTINGUISHER & CONTAINER
36	TRAFFIC CONTROL PLAN
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38	EXIST. FLOAT REMOVAL & DISPOSAL SITE
39	DWG. E1-LEGEND, FIXTURE SCHD., PANEL SCHD.
40	DWG. E2-FLOAT POWER PLAN
41	DWG. E3-FLOAT LIGHTING PLAN
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SOUTHEAST ALASKA REGION

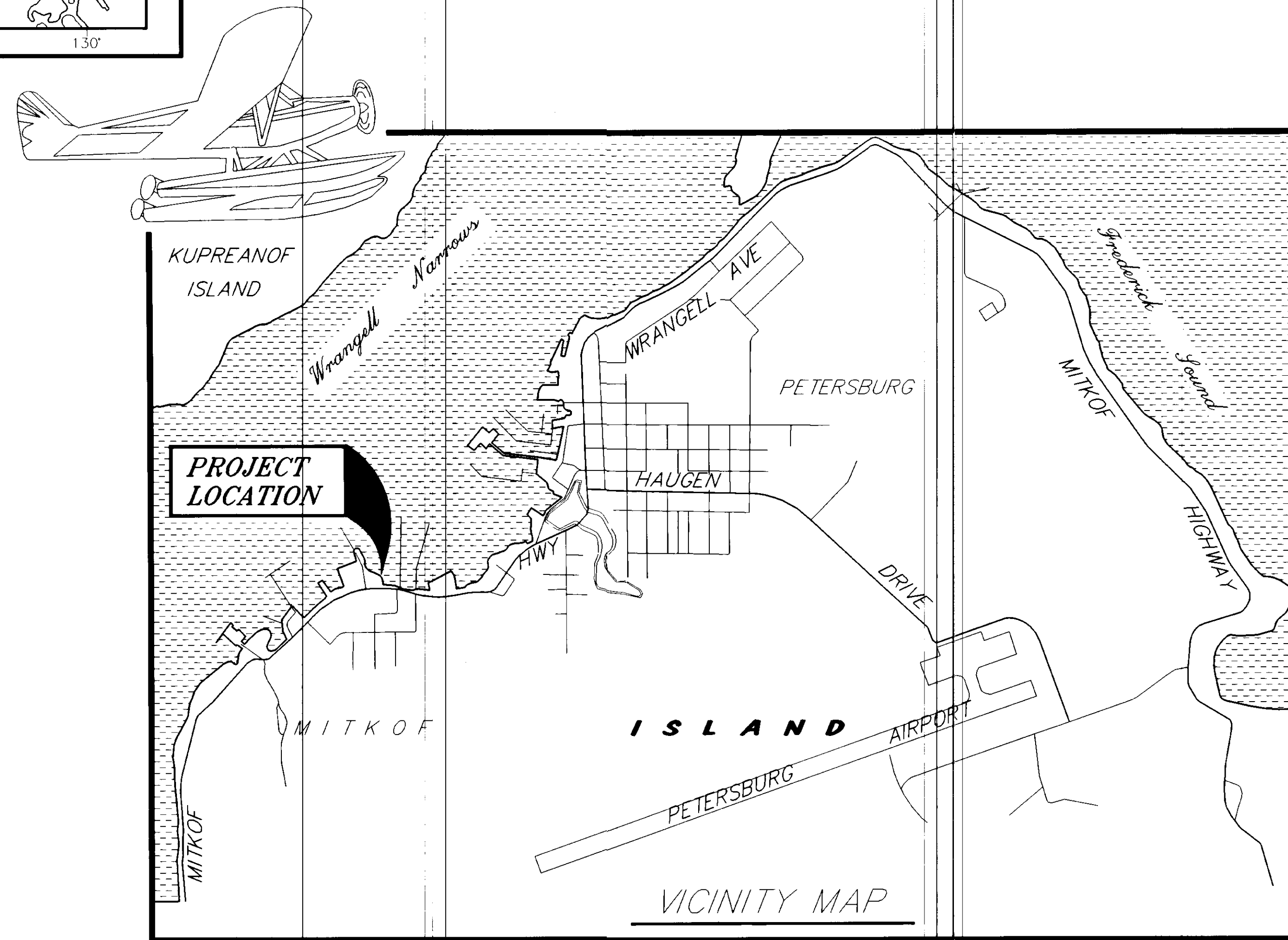
AS - BUILT

project engineer: BRUCE E. WOOD

contractor: SOUTH COAST, INC.


begin date: November 22, 1994

end date: November 15, 1995



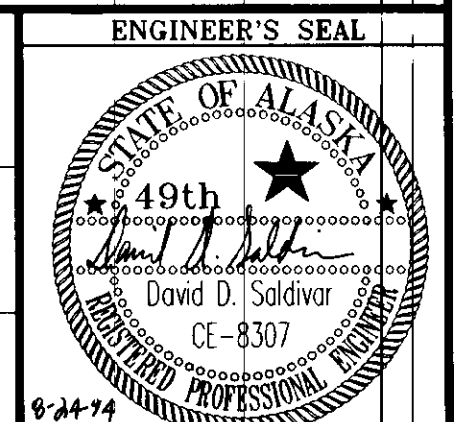
THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:  
 A-1, C-01.03, C-02.01, C-03.01, G-04.04S, G-27.01S

STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND  
 PUBLIC FACILITIES  
 SOUTHEAST REGION DESIGN SECTION

APPROVED  Date 3/24/94  
 Regional Preconstruction Engineer

APPROVED  Date 3/24/94  
 Director, S.E. Region Design & Construction

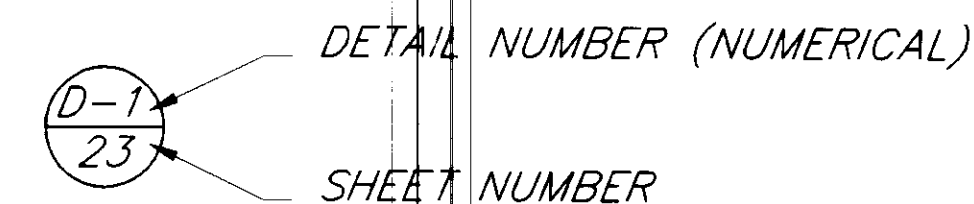
PROJECT NUMBER:  
 70641  
 DATE:  
 AUGUST, 1994  
 SHEET 1 OF 42



# ESTIMATE OF QUANTITIES

Item No.	Pay Item	Pay Unit	Quantity
110 (1)	MOBILIZATION AND DEMOBILIZATION	L.S.	ALL REQ'D.
112 (1)	CONSTRUCTION SURVEYING BY THE CONTRACTOR	L.S.	ALL REQ'D.
120 (1)	DBE ADJUSTMENT	C.S.	ALL REQ'D.
122 (1)	TEMPORARY EROSION & POLLUTION CONTROL	C.S.	ALL REQ'D.
202(2)	<b>BOULDER REMOVAL, C.O.# 5</b>	L.S.	ALL REQ'D.
201 (1)	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	L.S.	ALL REQ'D.
202 (1)	DREDGING	C.Y.	<del>25,000</del> 23,639
<del>203 (2)</del>	<del>BORROW TYPE "A" DELETED, C.O.# 2</del>	TON	<del>1,800</del>
<del>203 (3)</del>	<del>BORROW TYPE "B" DELETED, C.O.# 2</del>	TON	<del>3,500</del>
203 (4)	CRUSHED AGGREGATE BASE COURSE	TON	<del>710</del> 784
<del>207 (1)</del>	<del>RIPRAP CLASS # DELETED, C.O.# 1</del>	C.Y.	<del>2,000</del>
208 (1)	GEOTEXTILE, RIPRAP LINER	SQ. YD.	<del>2,000</del> 2,228
202(3)	<b>HANGER DREDGING, C.O.# 6</b>	L.S.	ALL REQ'D.
202(4)	<b>APPROACH FLOAT DREDGING, C.O.# 6</b>	L.S.	ALL REQ'D.
301 (1)	12 3/4" DIA. x 1/2" WALL STEEL PILE, FURNISHED	L.F.	<del>70</del> 74
301 (2)	12 3/4" DIA. x 1/2" WALL STEEL PILE, DRIVEN	EACH	2
301 (3)	16" DIA. x 1/2" WALL STEEL PILE, FURNISHED	L.F.	<del>1,310</del> 1,304.7
301 (4)	16" DIA. x 1/2" WALL STEEL PILE, DRIVEN	EACH	23
302 (1)	STRUCTURAL STEEL GANGWAY (10'x100')	L.S.	ALL REQ'D.
306 (1)	GLULAM RETAINING WALL	L.S.	ALL REQ'D.
311 (1)	APPROACH FLOAT (20'x180')	L.S.	ALL REQ'D.
311 (2)	TURNAROUND FLOAT (20'x32')	L.S.	ALL REQ'D.
311 (3)	TIMBER FLOAT (10'x200')	L.S.	ALL REQ'D.
311 (4)	SEAPLANE FLOAT (30'x150')	L.S.	ALL REQ'D.
203(5)	<b>BORROW EMBANKMENT, C.O.# 2</b>	TON	6,671.8
606 (1)	W-BEAM GUARDRAIL	L.F.	<del>375</del> 350
606 (2)	REMOVAL AND DISPOSAL OF GUARDRAIL	L.F.	<del>350</del> 325
207(1A)	<b>RIP RAP CLASS III, C.O.# 1</b>	TDN	3,055
615 (1)	STANDARD SIGNS	SQ. FT.	42.75
615 (2)	WIND CONE	EACH	1
311(6)	<b>GLULAM STRINGERS, C.O.# 3</b>	L.S.	ALL REQ'D.
643 (1)	TRAFFIC MAINTENANCE	L.S.	ALL REQ'D.
311(7)	<b>APPROACH FLOAT SCID PLATES, C.O.# 4</b>	L.S.	ALL REQ'D.
660 (1)	ELECTRICAL LIGHTING SYSTEM	L.S.	ALL REQ'D.
662 (1)	20# FIRE EXTINGUISHER & CONTAINER	EACH	6
<b>ADDITIVE ALTERNATE NO. 1</b>			
301 (3A)	16"Ø x 1/2" WALL STEEL PILE, FURNISHED	L.F.	<del>450</del> 442.1
301 (4A)	16"Ø x 1/2" WALL STEEL PILE, DRIVEN	EACH	7
311 (5A)	RAMP SEAPLANE FLOAT (44'x195')	L.S.	ALL REQ'D.
615 (1A)	STANDARD SIGNS	S.F.	15
660 (1A)	ELECTRICAL LIGHTING SYSTEM	L.S.	ALL REQ'D.
662 (1A)	20# FIRE EXTINGUISHER & CONTAINER	EACH	3

**LEGEND:**



DETAIL NUMBER (NUMERICAL)

SHEET NUMBER

SECTION NUMBER (LETTER)

SHEET NUMBER

--- DASHED LINE FOR EXISTING

— SOLID LINE FOR NEW

**GENERAL NOTES:**

- SEE SHEET 38 FOR THE APPROVED DISPOSAL SITE OF DREDGED MATERIAL.
- SEE SHEET 38 FOR LOCATION OF EXISTING SEAPLANE FLOAT TO BE REMOVED AND DISPOSED OF. DELETED FROM SCOPE OF WORK.
- THE CONTRACTOR SHALL BE REQUIRED TO COORDINATE THE ASSEMBLY OF THE FLOATS AND THE INSTALLATION OF THE ELECTRICAL SYSTEM TO AVOID CONFLICTS. THE CONTRACTOR WILL NOT BE ALLOWED TO REMOVE FLOAT DECKING TO INSTALL THE ELECTRICAL LIGHTING SYSTEM. THE WIRING SYSTEM FOR THE LIGHTING SHALL BE INSTALLED DURING FLOAT ASSEMBLY.

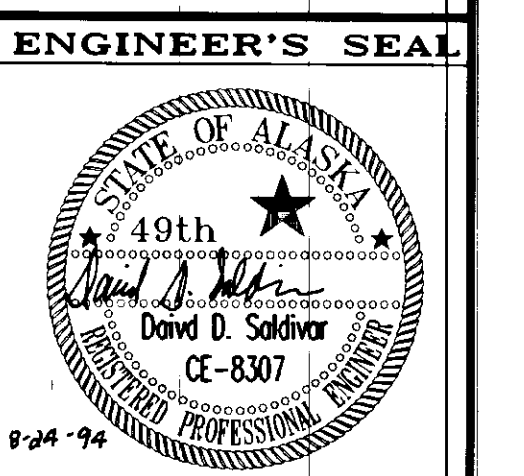
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BY:	DATE:
DESCRIPTION OF CHANGE:	
RECORD OF REVISIONS	

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

PETERSBURG  
SEAPLANE FLOAT FACILITY  
A.I.P. # 3-02-0304-01  
ESTIMATE OF QUANTITIES

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

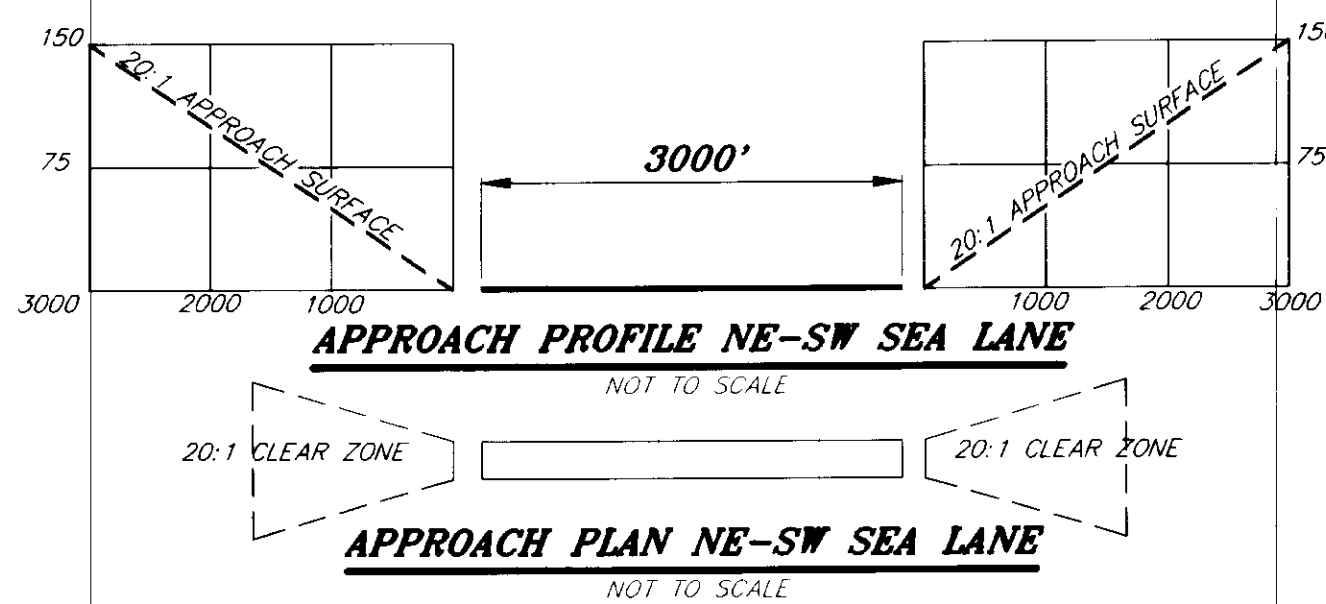
DESIGNED BY: D.D.S.	PROJECT NO. 70641
DRAWN BY: B.W.B.	DATE: AUGUST, 1994
CHECKED BY: M.H.	SHEET 2 OF 42



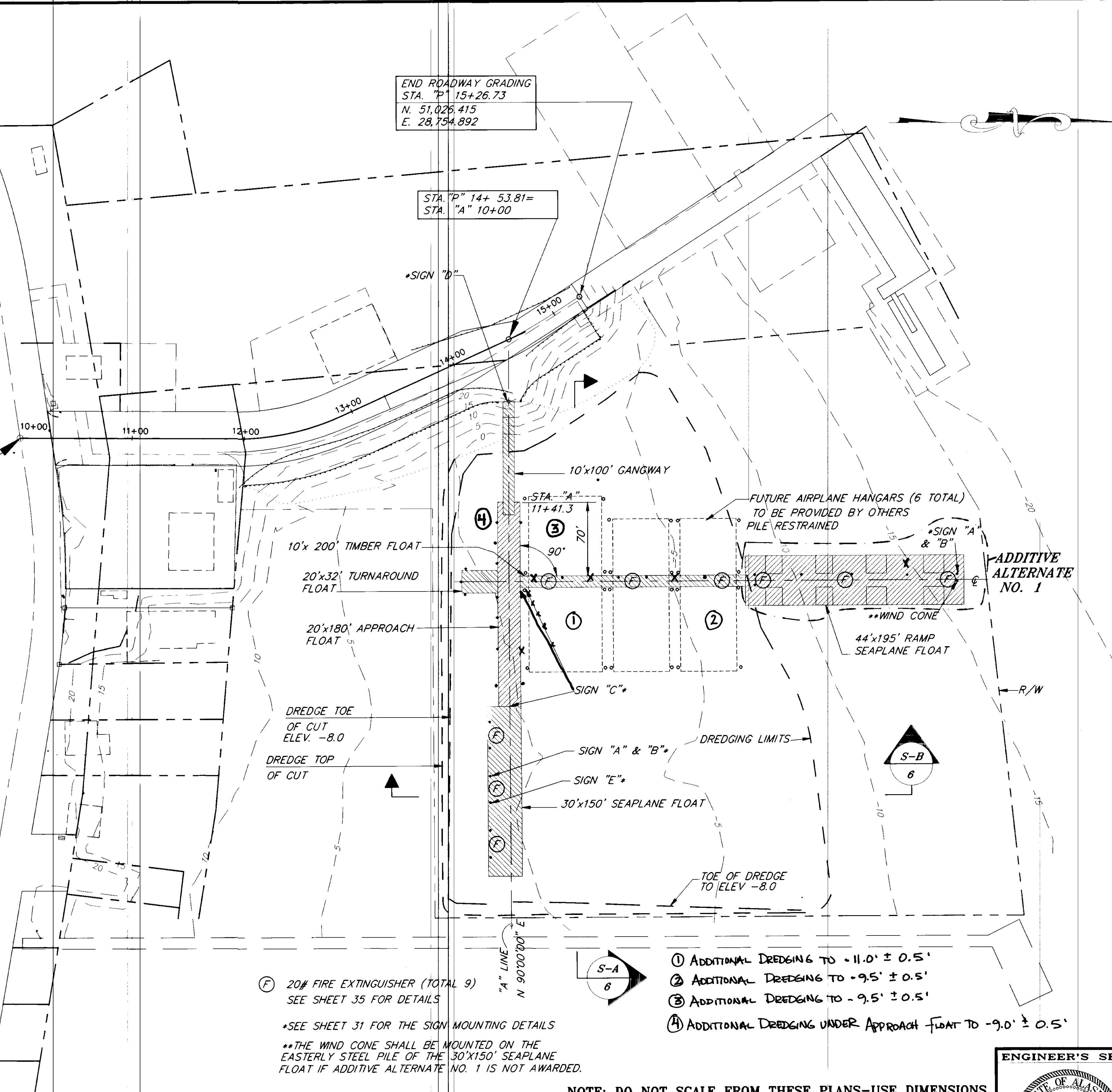
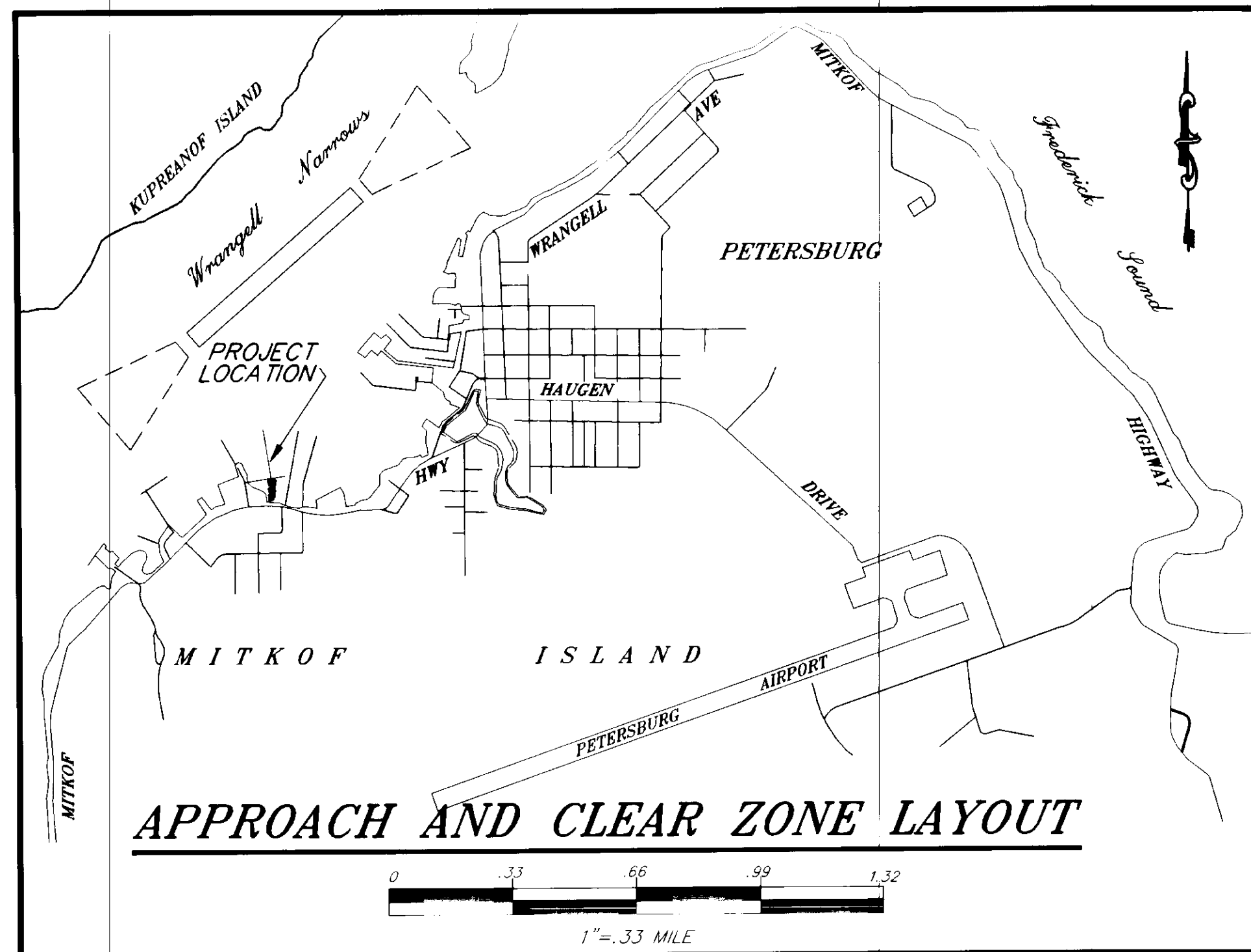
TIDAL DATA

EHW	=	20.5'
EHT	=	19.5'
MHHW	=	15.7'
MHW	=	14.8'
HTL	=	8.1'
MLLW	=	0.0'
ELW	=	-4.0'

SEAPLANE FACILITY DATA	EXISTING	ULITMATE
AIRPORT TYPE	-	UTILITY
AIRCRAFT DESIGN GROUP/APPROACH SPEED CATEGORY	-	II/B
AIRPORT ELEVATION	-	SEA LEVEL
MEAN MAXIMUM TEMPERATURE OF HOTTEST MONTH	-	63° F.
WATERLINE DIMENSIONS	-	7000' x 250' ±
FLOAT ELEVATION	-	VARIES W/TIDE
AIRPORT AND TERMINAL NAVIGATIONAL AIDS	-	NONE
FLOAT DIMENSIONS	-	VARIES
PULL-UP RAMP WIDTH	-	20'
MAXIMUM WING SPAN	-	79'
GANGWAY WIDTH	-	10'
GRADIENT AT ELW	-	24.8%
GRADIENT AT EHT	-	2.0%
UTILITIES AVAILABLE	-	ELEC.



BEGIN PROJECT  
STA. "O" 20+26.55=  
STA. "P" 10+00  
N 50,527.071  
E 28,877.744



NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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BY:	DATE:
DESCRIPTION OF CHANGE:	

RECORD OF REVISIONS

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

PETERSBURG

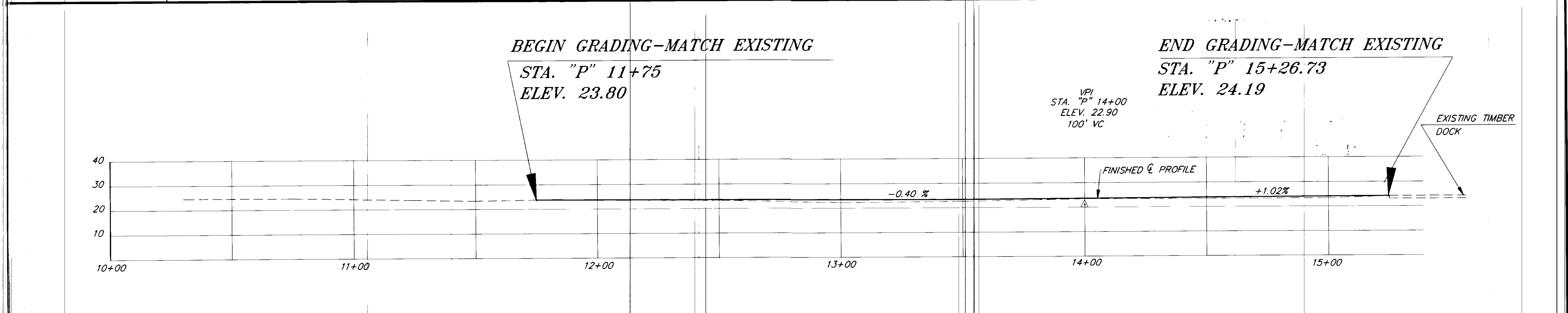
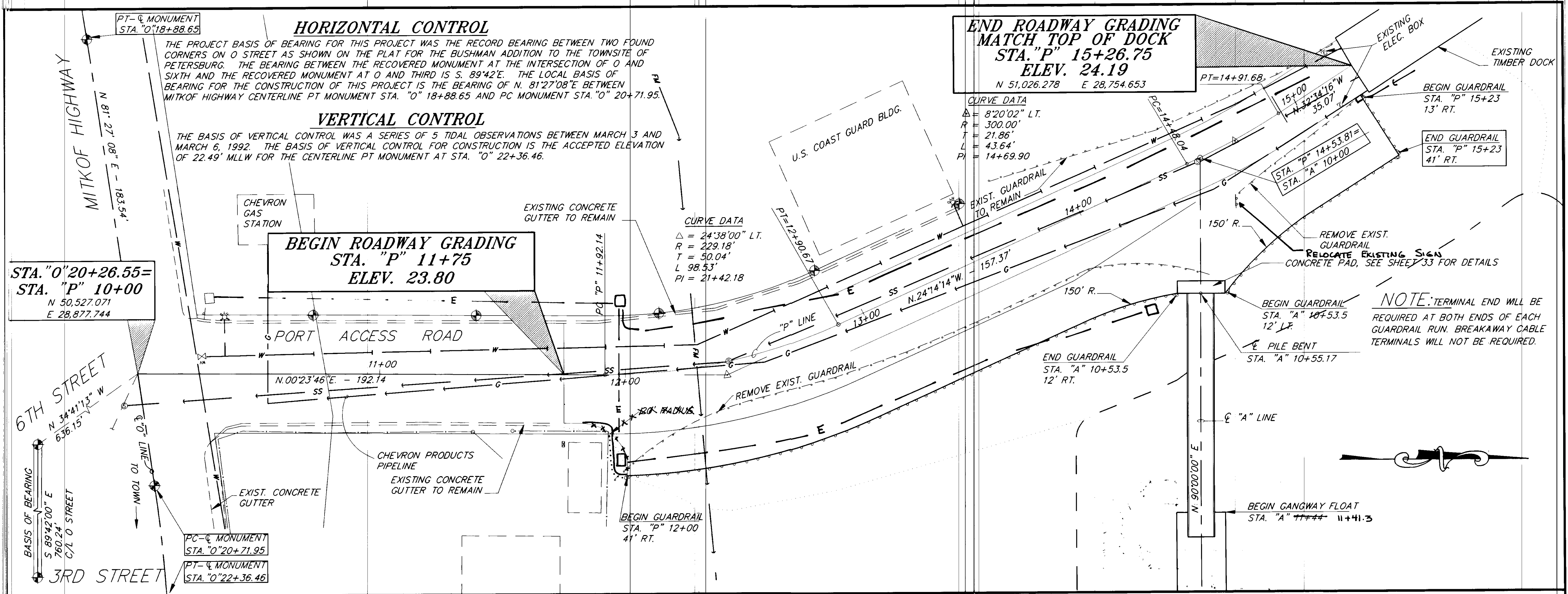
SEAPLANE FLOAT FACILITY  
A.I.P. # 3-02-0304-01  
FLOAT LAYOUT PLAN

ALASKA

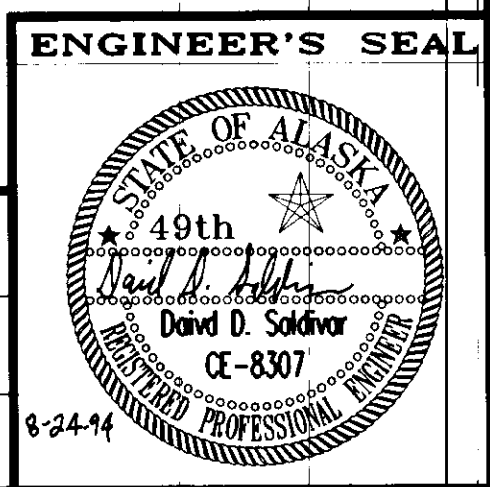
DESIGNED BY: D.D.S.	PROJECT NO. 70641
DRAWN BY: B.W.B.	DATE: AUGUST, 1994
CHECKED BY: M.H.	SHEET 3 OF 42

ENGINEER'S SEAL

49th  
David D. Soldvar  
CE-8307  
REGISTERED PROFESSIONAL ENGINEER



PATH: P:\PSG\SEAFLT\DR\P-P.dwg < 1=20 > BY:      DATE:      DESCRIPTION OF CHANGE:		STATE OF ALASKA <b>DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES</b> SOUTHEAST REGION DESIGN & CONSTRUCTION		PETERSBURG <b>SEAPLANE FLOAT FACILITY</b> A.I.P. # 3-02-0304-01		ALASKA DESIGNED BY: D.D.S. DRAWN BY: B.W.B. CHECKED BY: M.H.		PROJECT NO. 70641 DATE: AUGUST, 1994 SHEET 4 OF 42	
NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS									
<b>RECORD OF REVISIONS</b>									

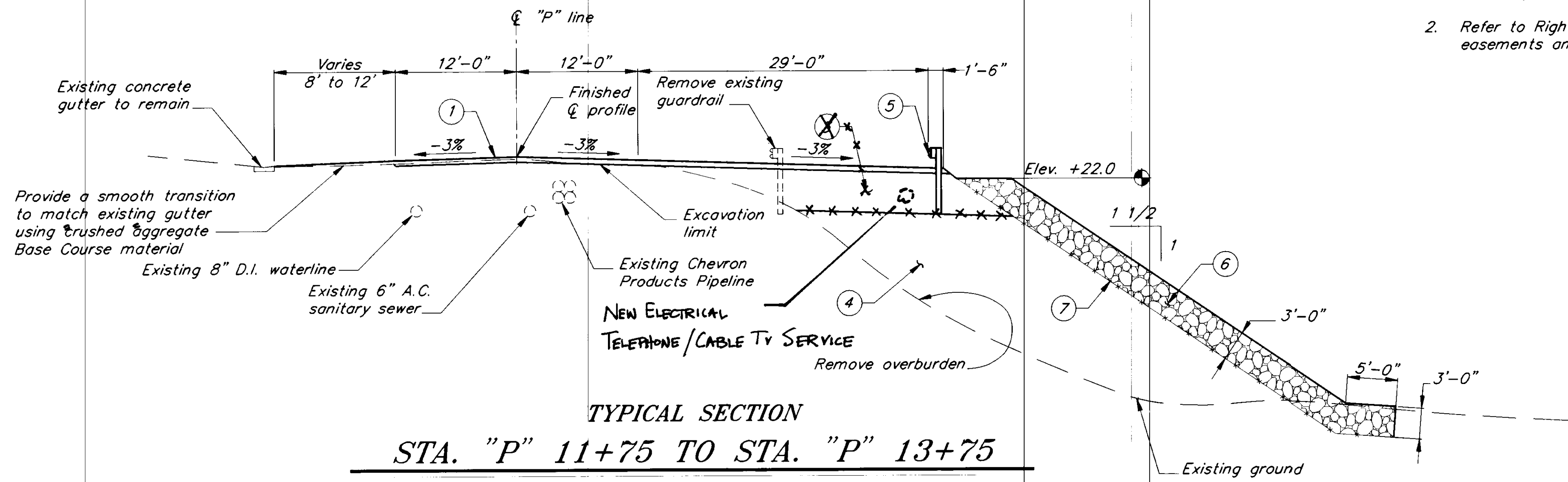


**NOTES:**

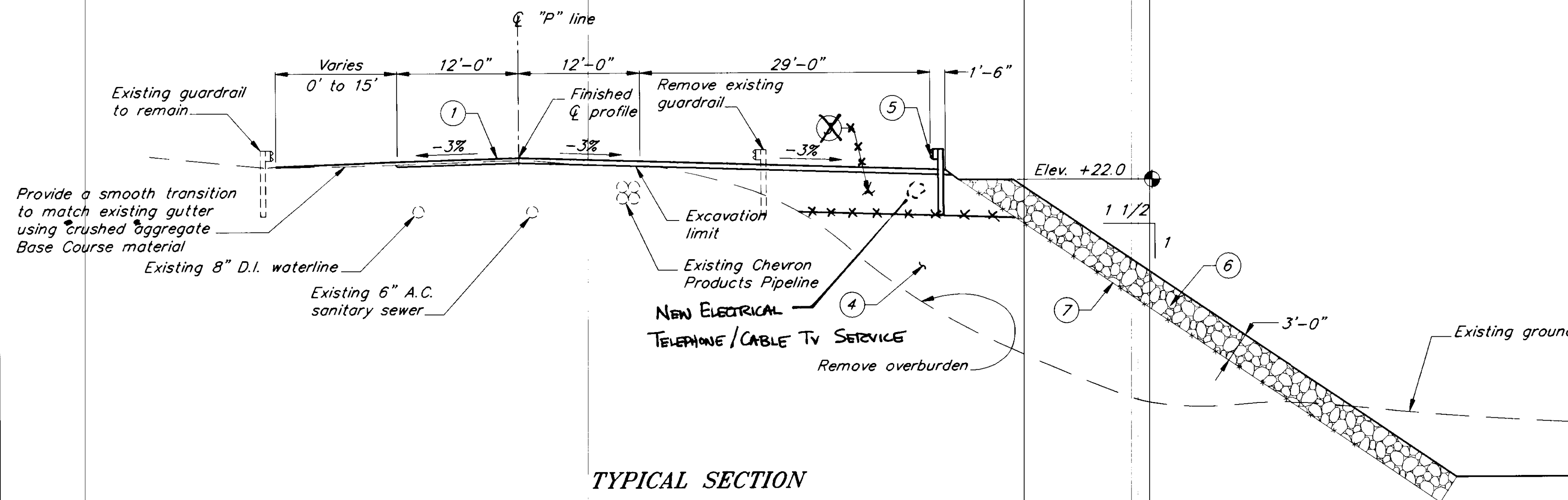
1. Location and depth of existing utilities are approximate. Contractor shall contact the City of Petersburg in locating existing underground utilities prior to excavation.
2. Refer to Right of Way Plans for location of all existing monuments, easements and construction permits.

**LABELING INDEX:**

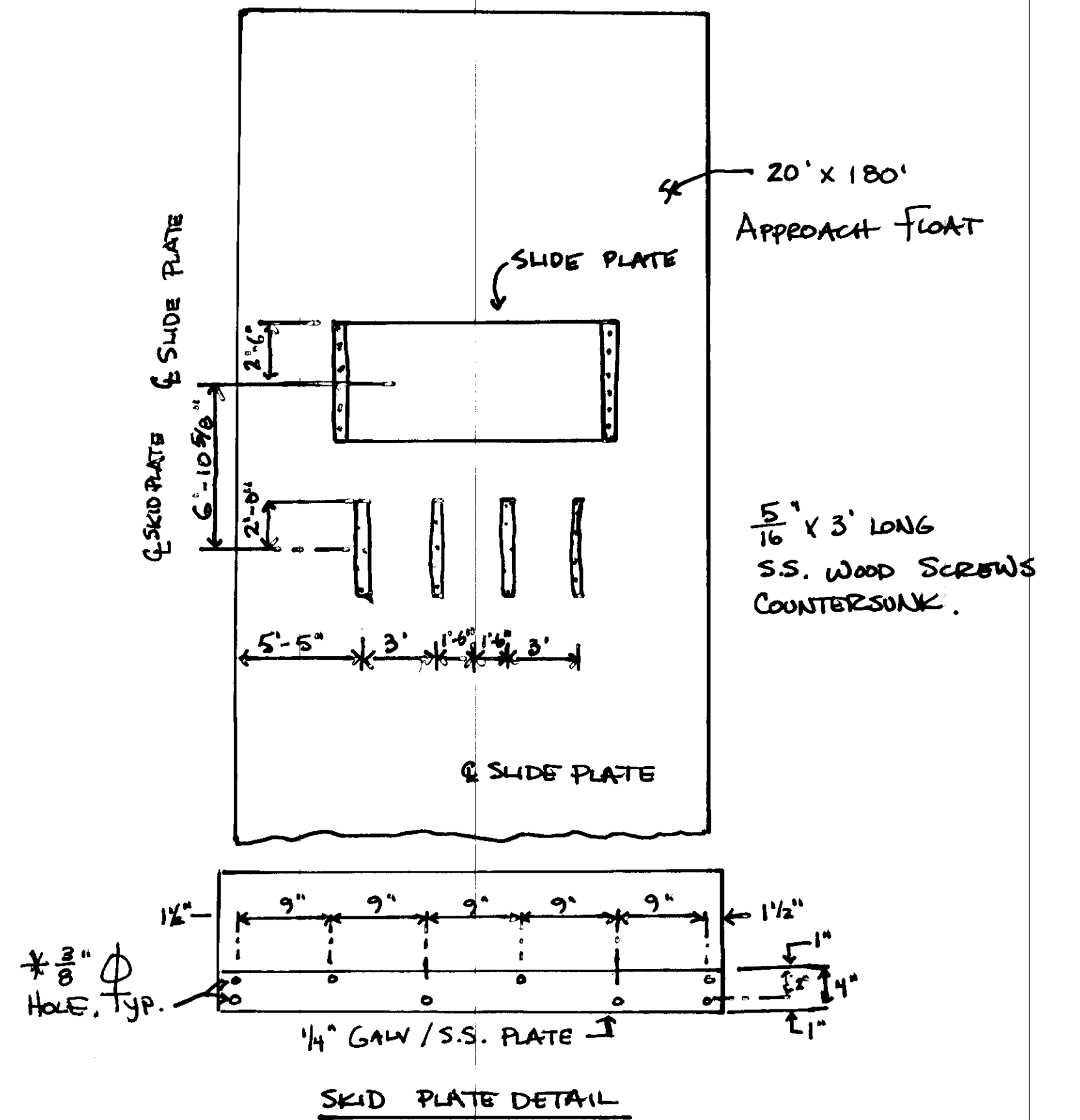
- 1 6" Crushed Aggregate Base Course
- 3 48" Borrow, Type A
- 4 Borrow, Type B EMBANKMENT
- 5 Guardrail, 7' Steel Post
- 6 Riprap, Class III
- 7 Geotextile, Riprap Liner



**TYPICAL SECTION  
STA. "P" 11+75 TO STA. "P" 13+75**



**TYPICAL SECTION  
STA. "P" 13+75 TO STA. "P" 15+26.73**



NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

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

PETERSBURG

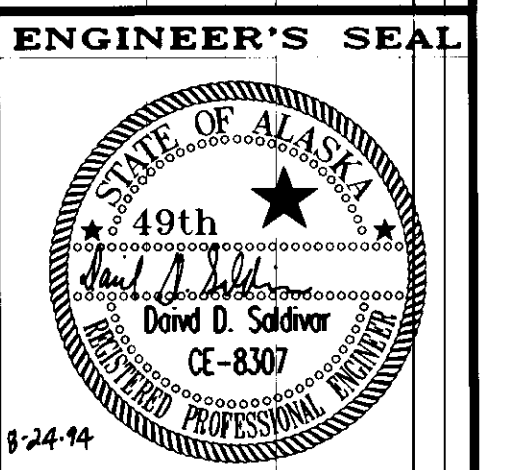
SEAPLANE FLOAT FACILITY  
A.I.P. # 3-02-0304-01

ROADWAY TYPICAL SECTIONS

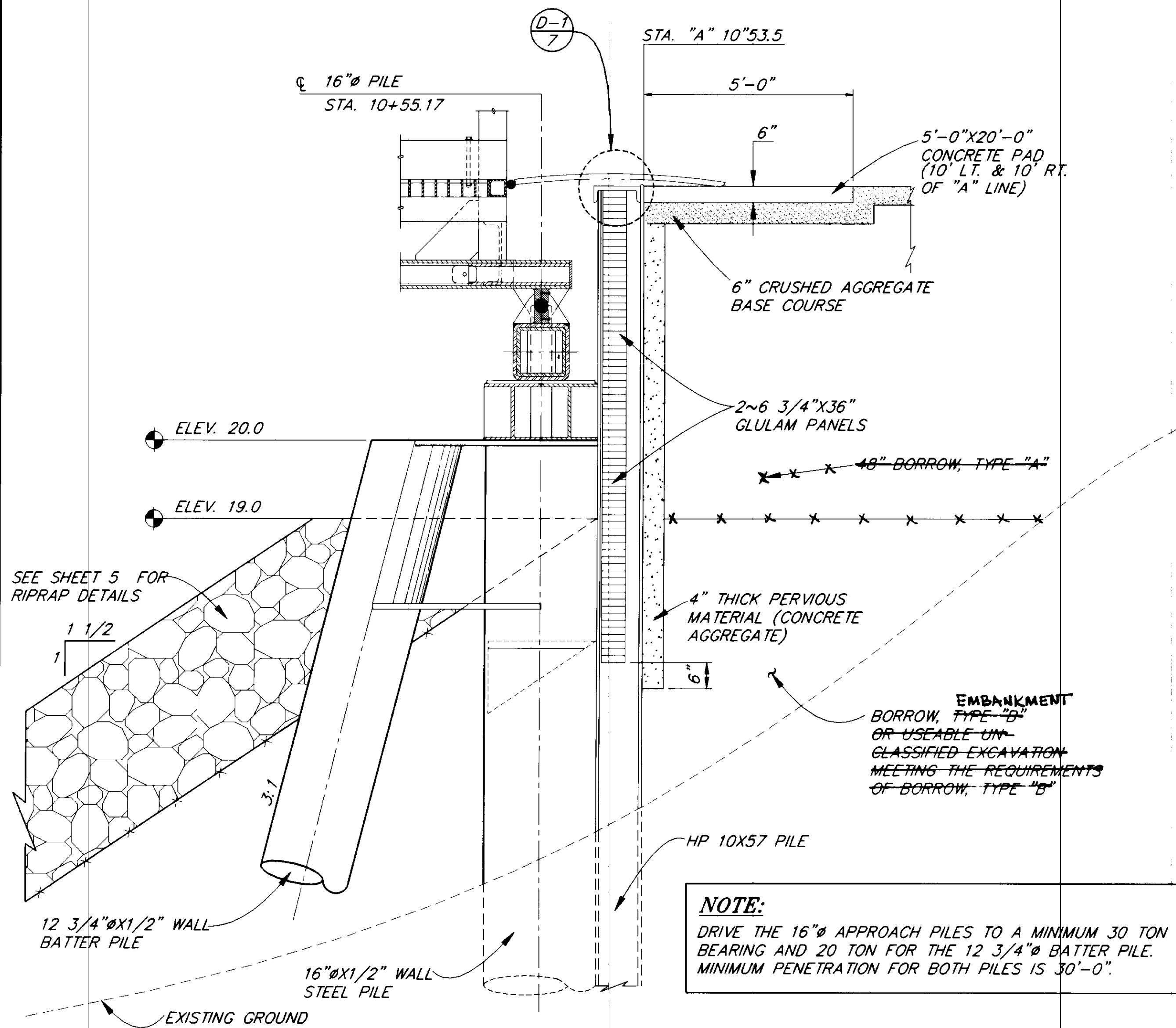
ALASKA

DESIGNED BY:  
D.D.S.  
DRAWN BY:  
B.W.B.  
CHECKED BY:  
M.H.

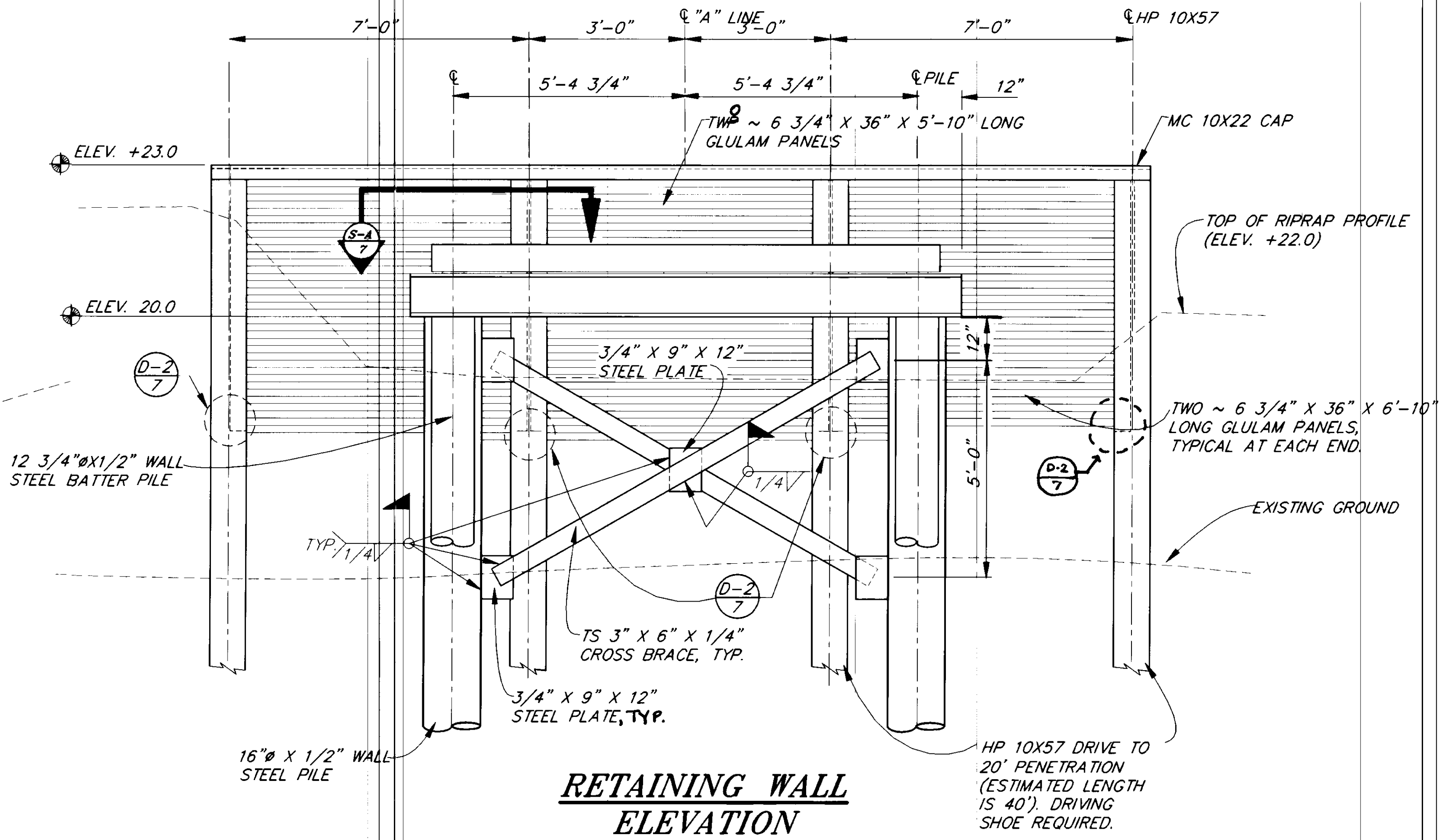
PROJECT NO.  
70841  
DATE:  
AUGUST, 1994  
SHEET 5 OF 42





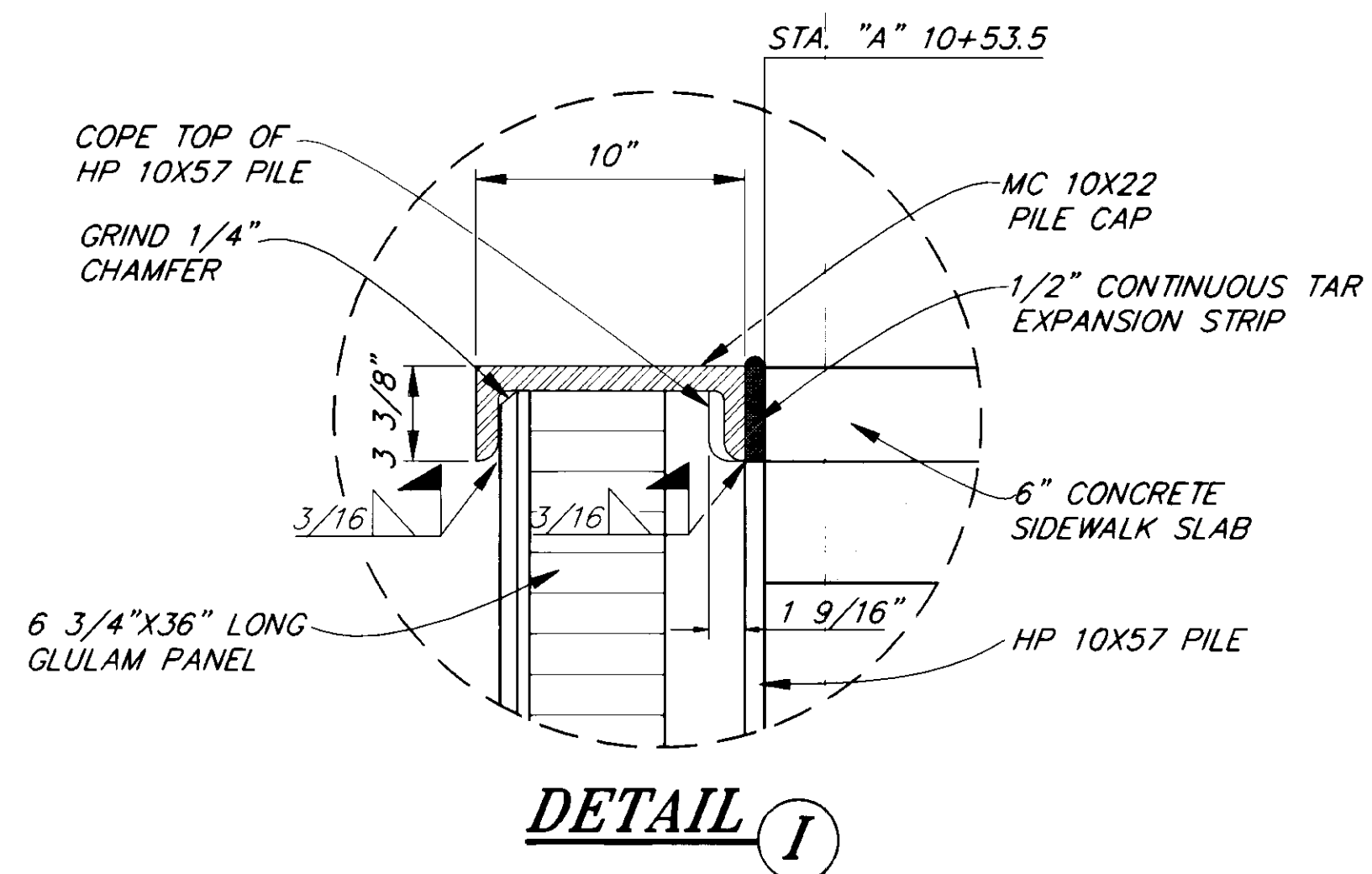


**RETAINING WALL SECTION**

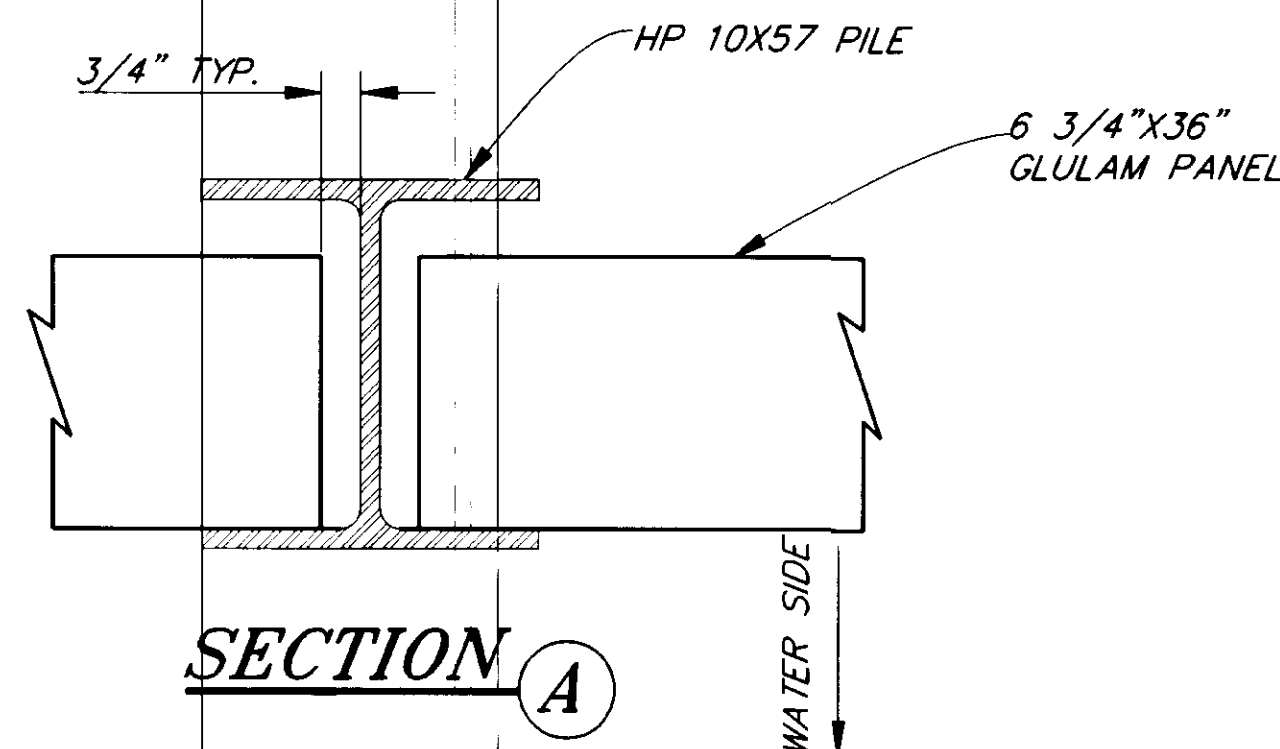


**RETAINING WALL ELEVATION**

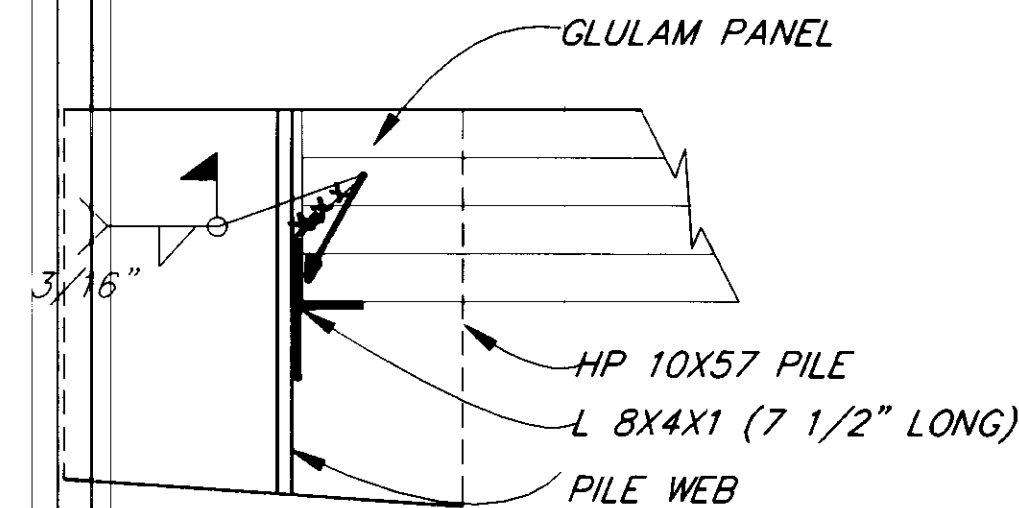
**NOTE:**  
PIPE RAILING NOT SHOWN FOR CLARITY. SEE SHEET 33 FOR DETAILS.



**DETAIL 1**



**SECTION A**



**DETAIL 2**

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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BY:	DATE:	DESCRIPTION OF CHANGE:
<b>RECORD OF REVISIONS</b>		

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

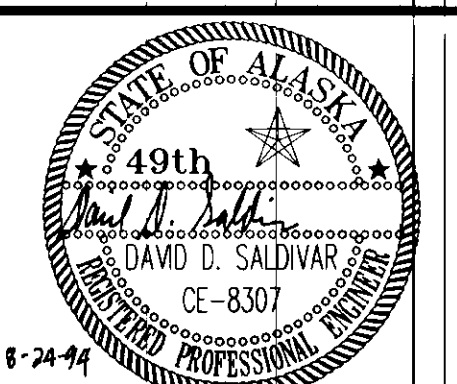
PETERSBURG

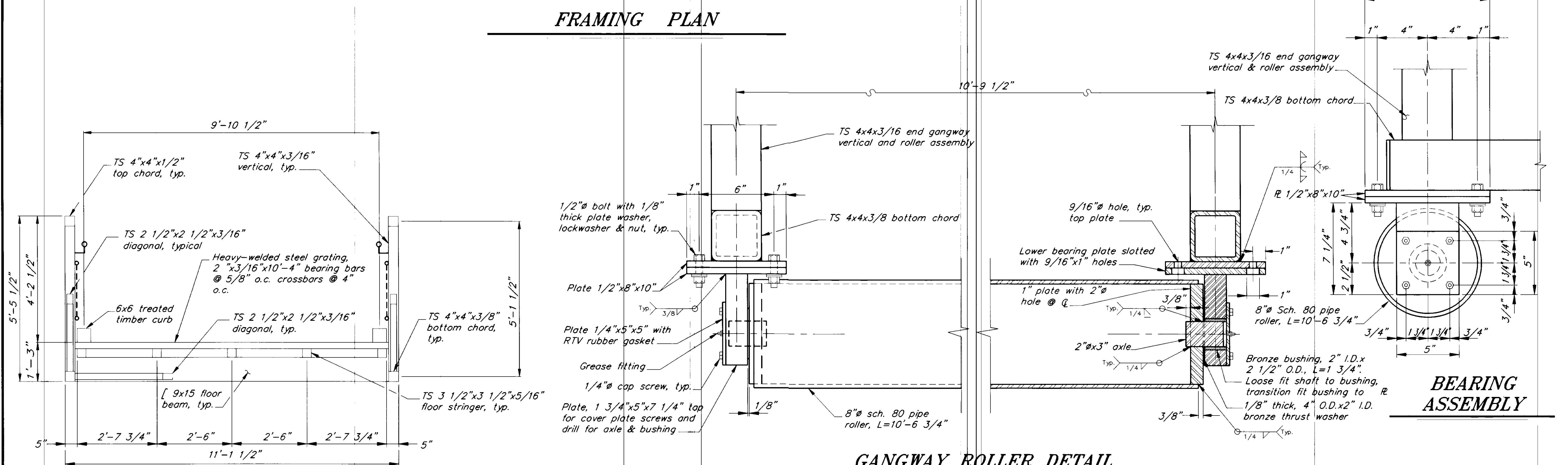
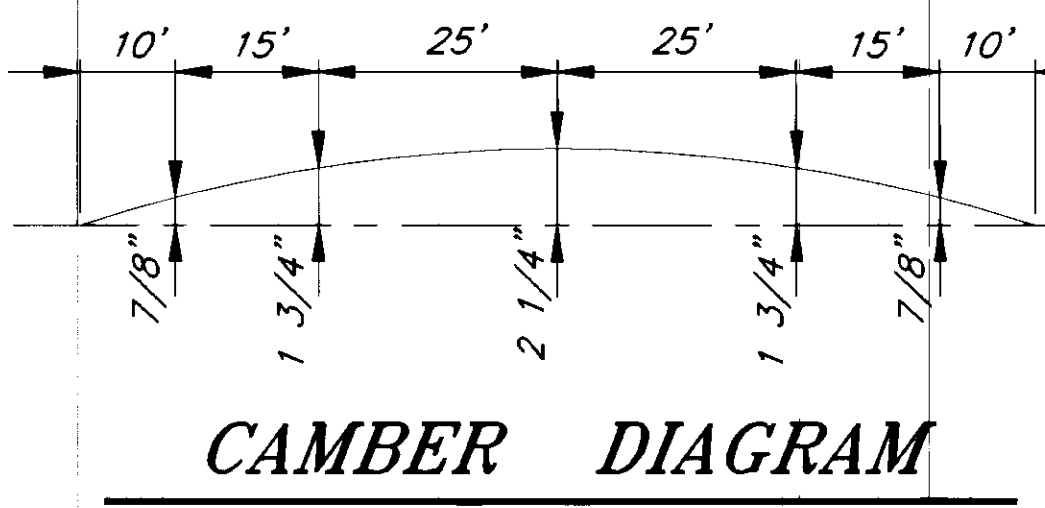
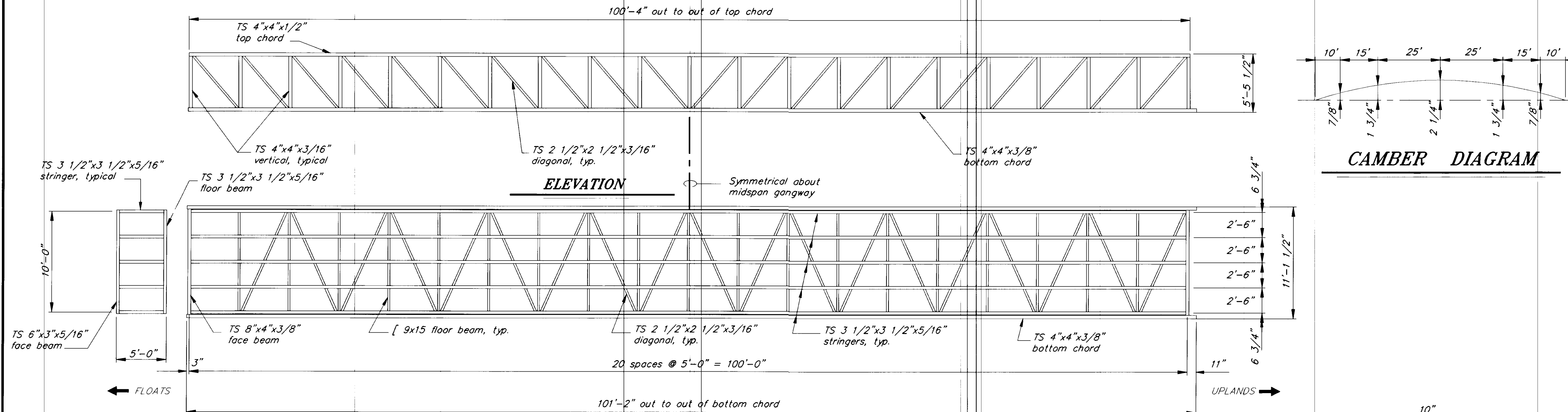
SEAPLANE FLOAT FACILITY  
A.I.P. #3-02-0304-01  
**RETAINING WALL DETAILS**

ALASKA

DESIGNED BY:  
*D. SALDIVAR*  
DRAWN BY:  
*C. ANDERSON*  
CHECKED BY:

PROJECT NO.  
70641  
DATE:  
AUGUST, 1994  
SHEET 7 OF 42





**TYPICAL SECTION**

NO.	DATE	DESCRIPTION OF CHANGE

RECORD OF REVISIONS

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

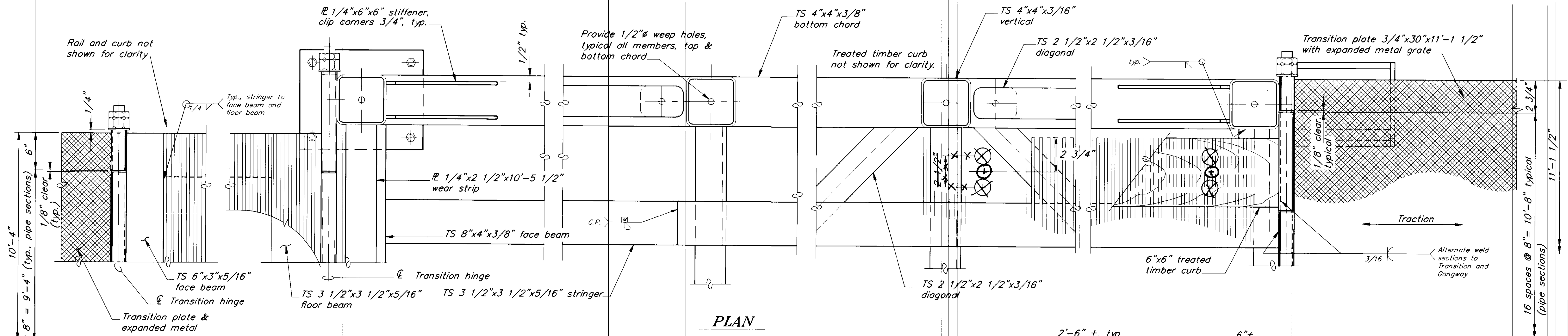
PETERSBURG  
**SEAPLANE FLOAT FACILITY**  
 A.I.P. # 3-02-0304-01  
**100' x 10' GANGWAY**

ALASKA  
 DESIGNED BY: D.D.S.  
 DRAWN BY: B.W.B.  
 CHECKED BY: M.H.

PROJECT NO. 70641  
 DATE: AUGUST, 1994  
 SHEET 8 OF 42

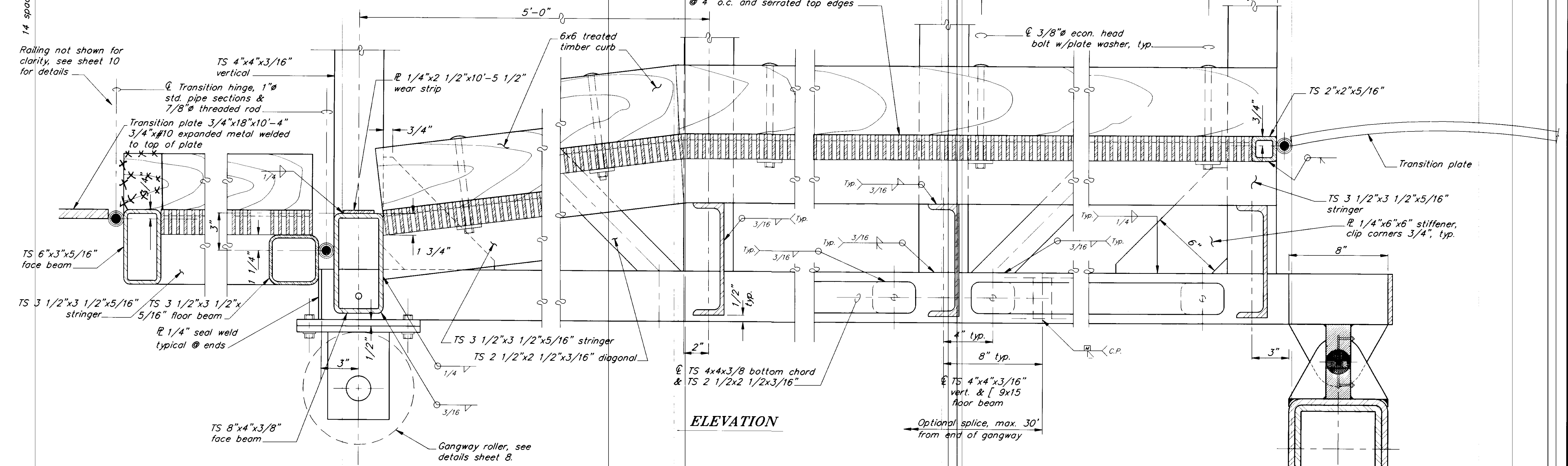
ENGINEER'S SEAL

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS



**PLAN**

Heavy welded stl. grating 2"x3/16"x10'-4"  
bearing bars @ 5/8" o.c. w/cross bars  
@ 4" o.c. and serrated top edges



**ELEVATION**

**FRAMING DETAILS**

**NOTES :**

1. Gangway shall be shipped assembled.
2. Approximate gangway weight = 54,000#.
3. No bottom chord splice allowed within mid third of span.
4. Complete gangway to be galvanized.
5. Gangway camber shall be smooth and parabolic.
6. Method of fastening the steel grating shall be accomplished either by welding or bolting (1/2" min. A325 bolt) to the floor stringer. The steel grating shall be fastened 2'-0" o.c. at each floor stringer and 6" from gangway ends.

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

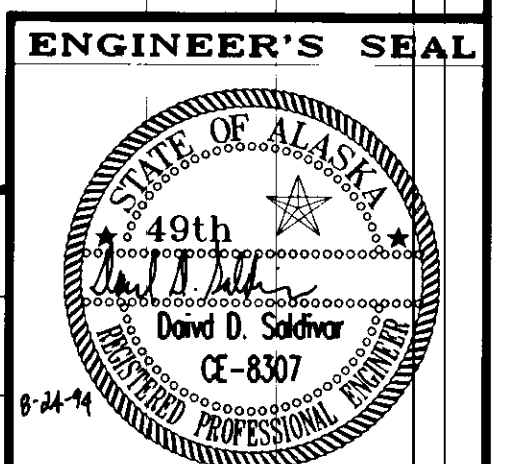
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BY:	DATE:	DESCRIPTION OF CHANGE:
<b>RECORD OF REVISIONS</b>		

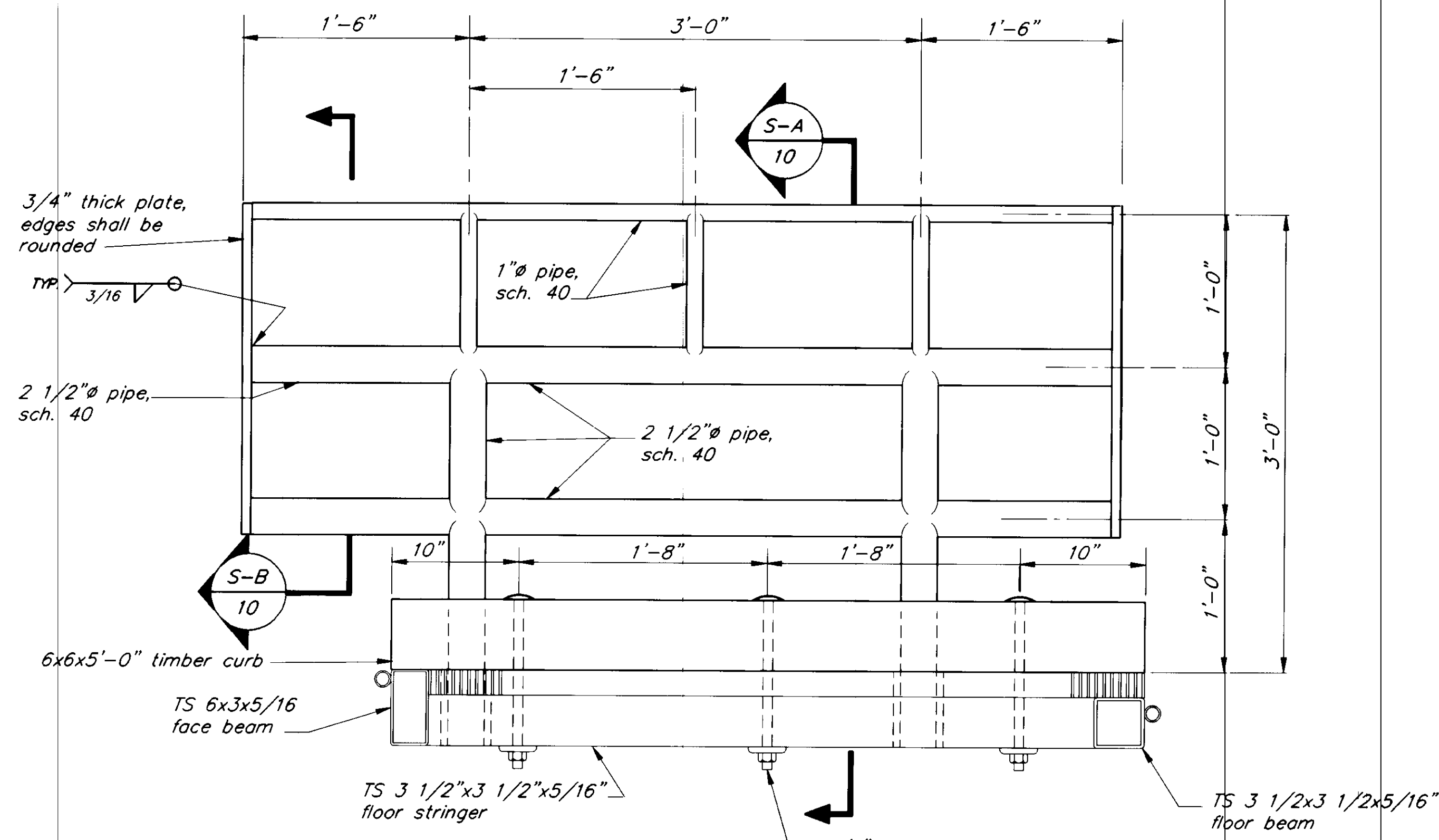
STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
SOUTHEAST REGION DESIGN & CONSTRUCTION

PETERSBURG  
**SEAPLANE FLOAT FACILITY**  
A.I.P. # 3-02-0304-01  
**100' x 10' GANGWAY DETAILS**

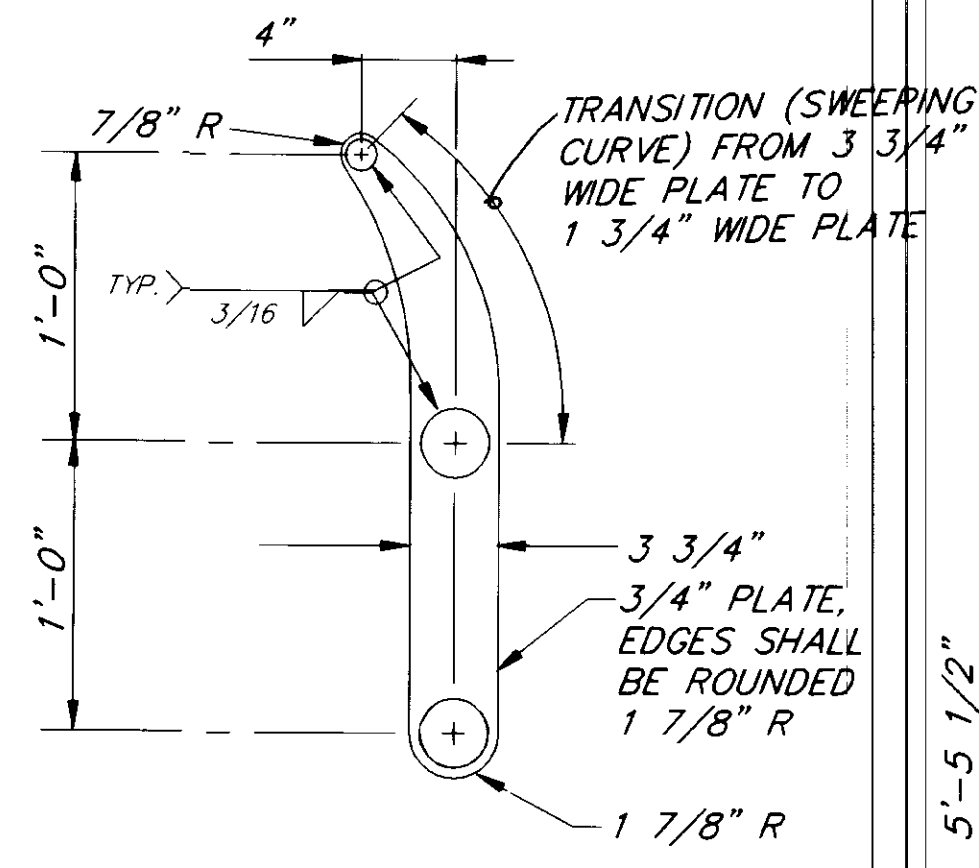
ALASKA  
DESIGNED BY: D.D.S.  
DRAWN BY: B.W.B.  
CHECKED BY: M.H.

PROJECT NO. 70641  
DATE: AUGUST, 1994  
SHEET 9 OF 42

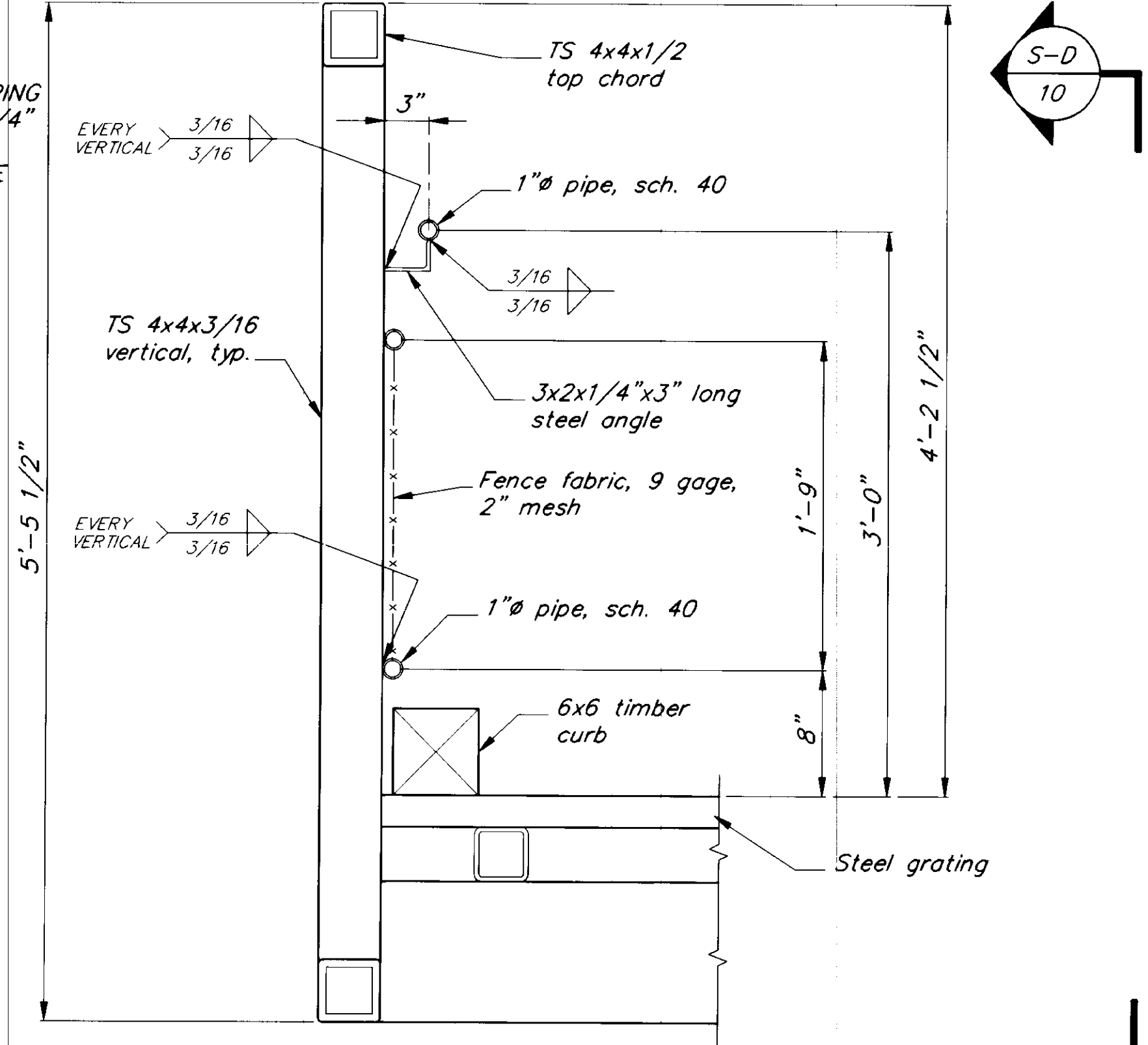




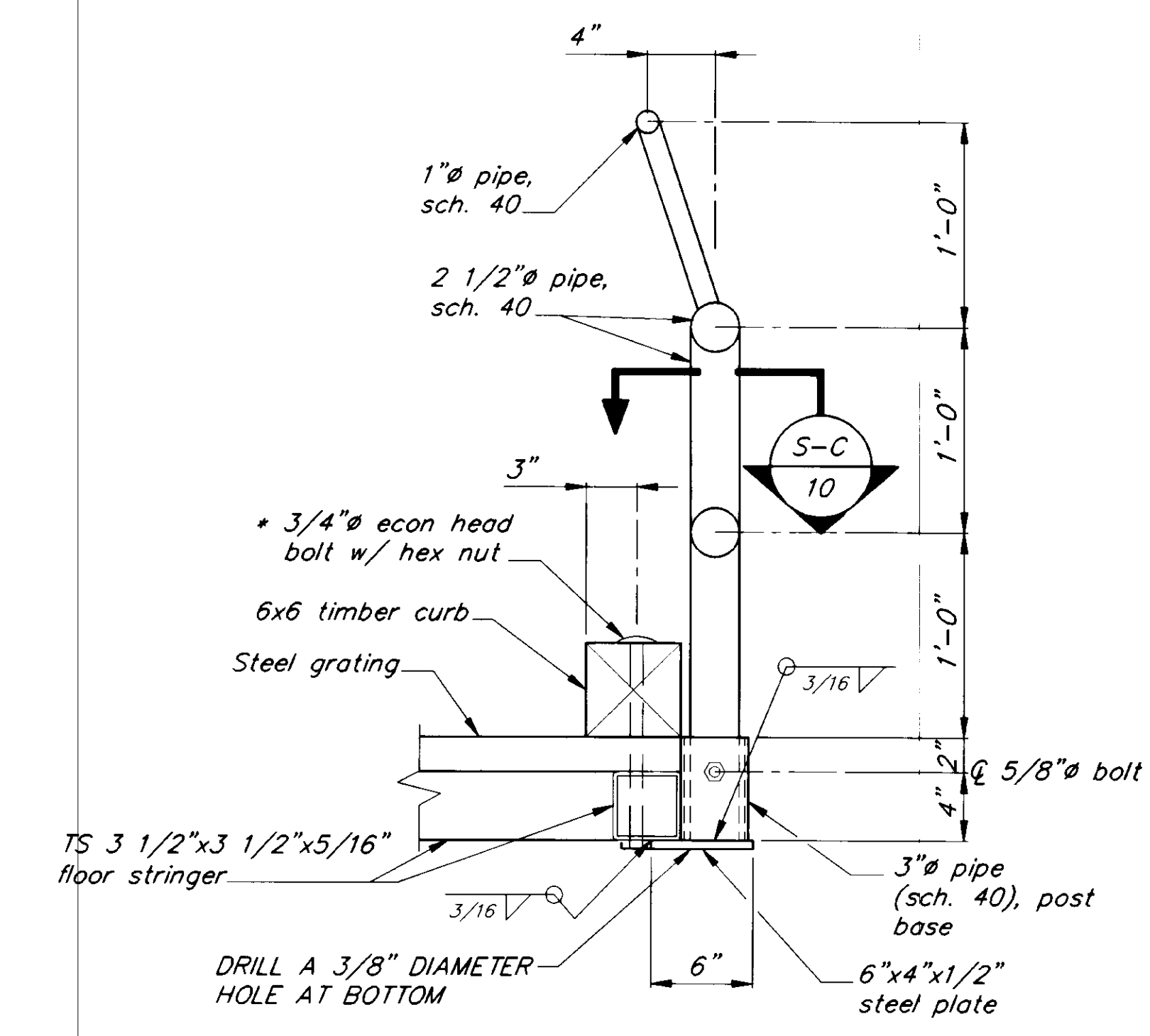
**RAILING DETAIL 1**



**SECTION B**

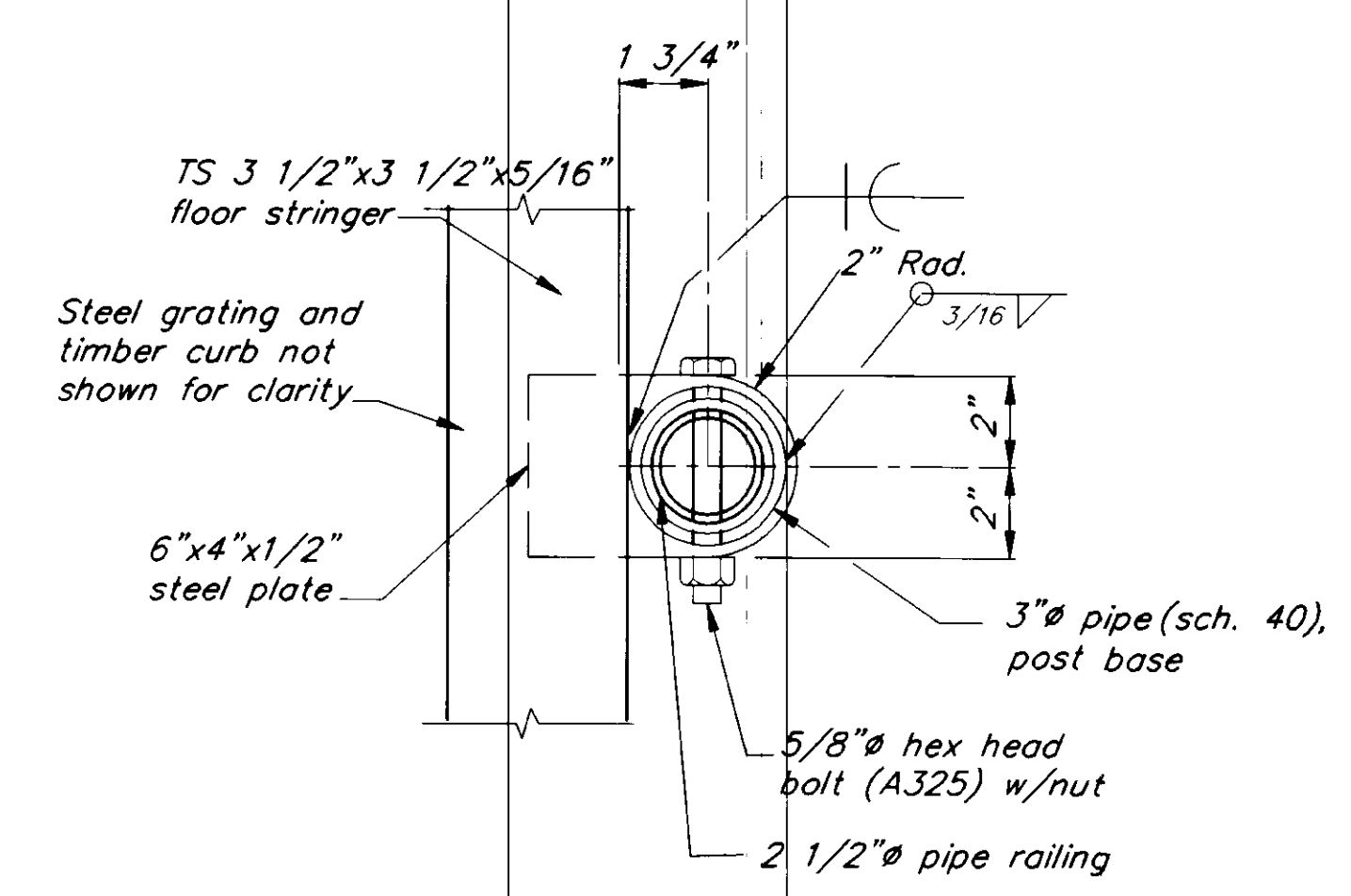


**GANGWAY RAILING DETAIL 2**

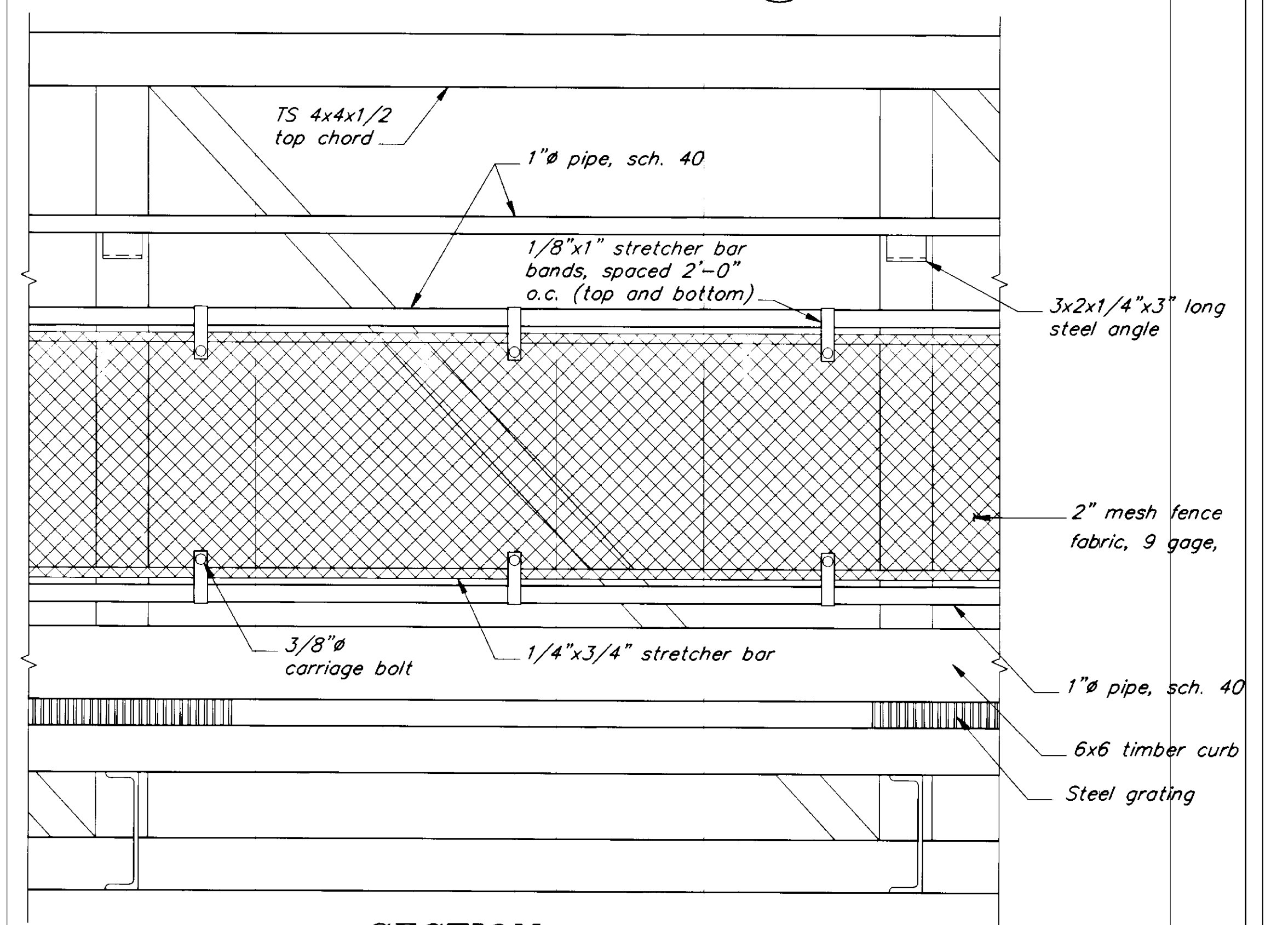


**SECTION A**

\* Steel grating shall be cut to provide clearance to 3/4" bolt.



**SECTION C**



**SECTION D**

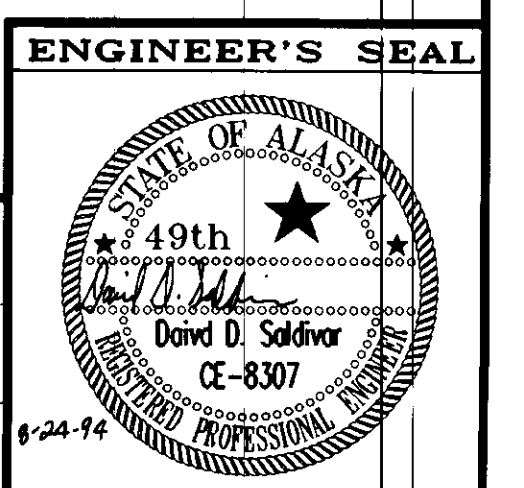
NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

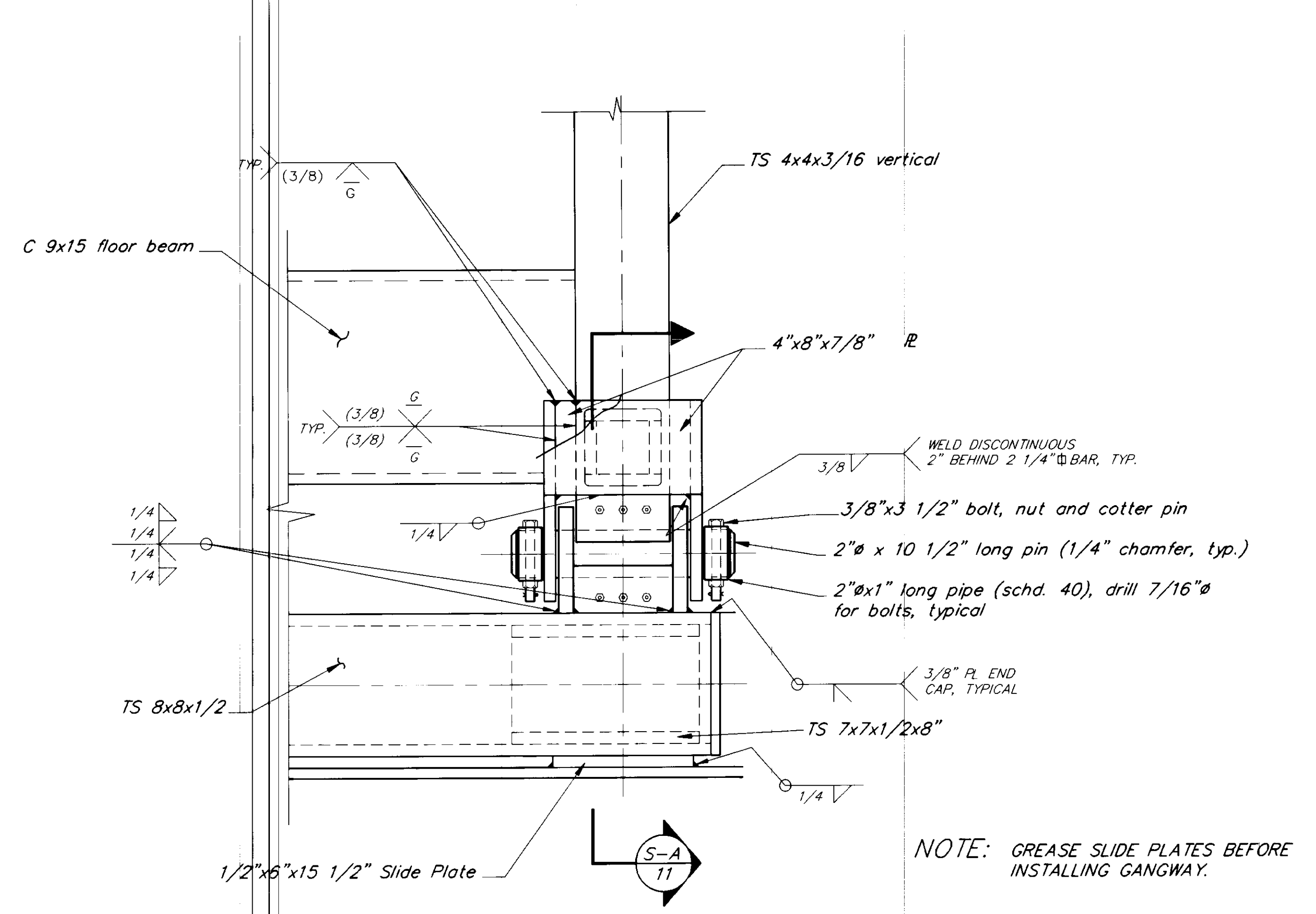
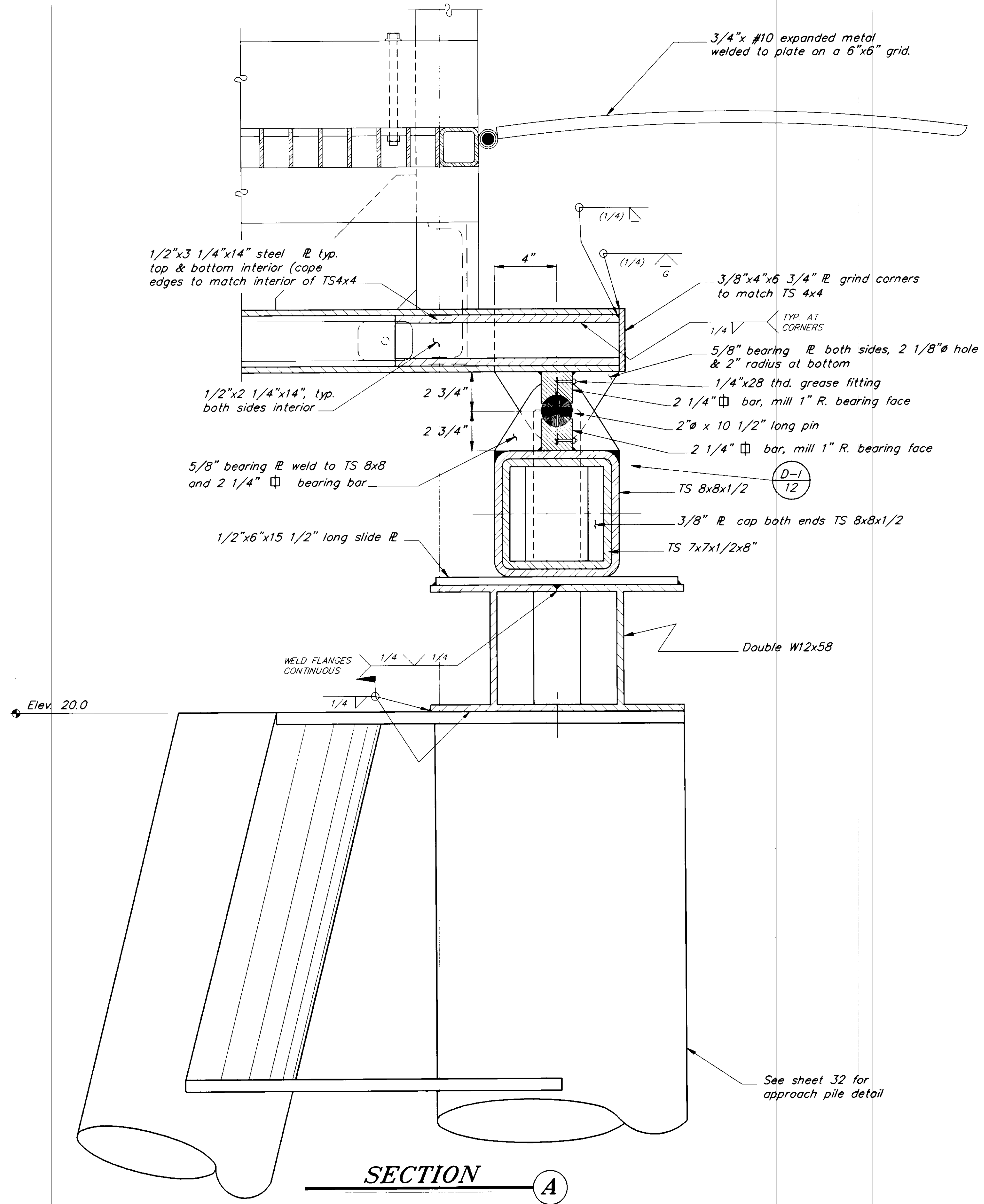
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BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

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

PETERSBURG  
SEAPLANE FLOAT FACILITY  
A.I.P. # 3-02-0304-01  
ALASKA  
GANGWAY RAILING DETAILS

DESIGNED BY: D.D.S.	PROJECT NO. 70641
DRAWN BY: B.W.B.	DATE: AUGUST, 1994
CHECKED BY: M.B.	SHEET 10 OF 42





NOTE: GREASE SLIDE PLATES BEFORE INSTALLING GANGWAY.

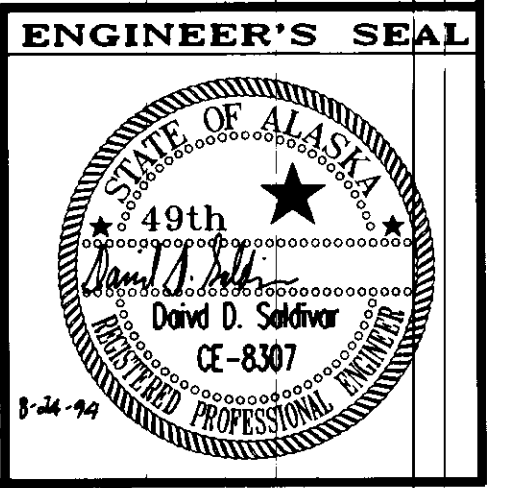
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BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

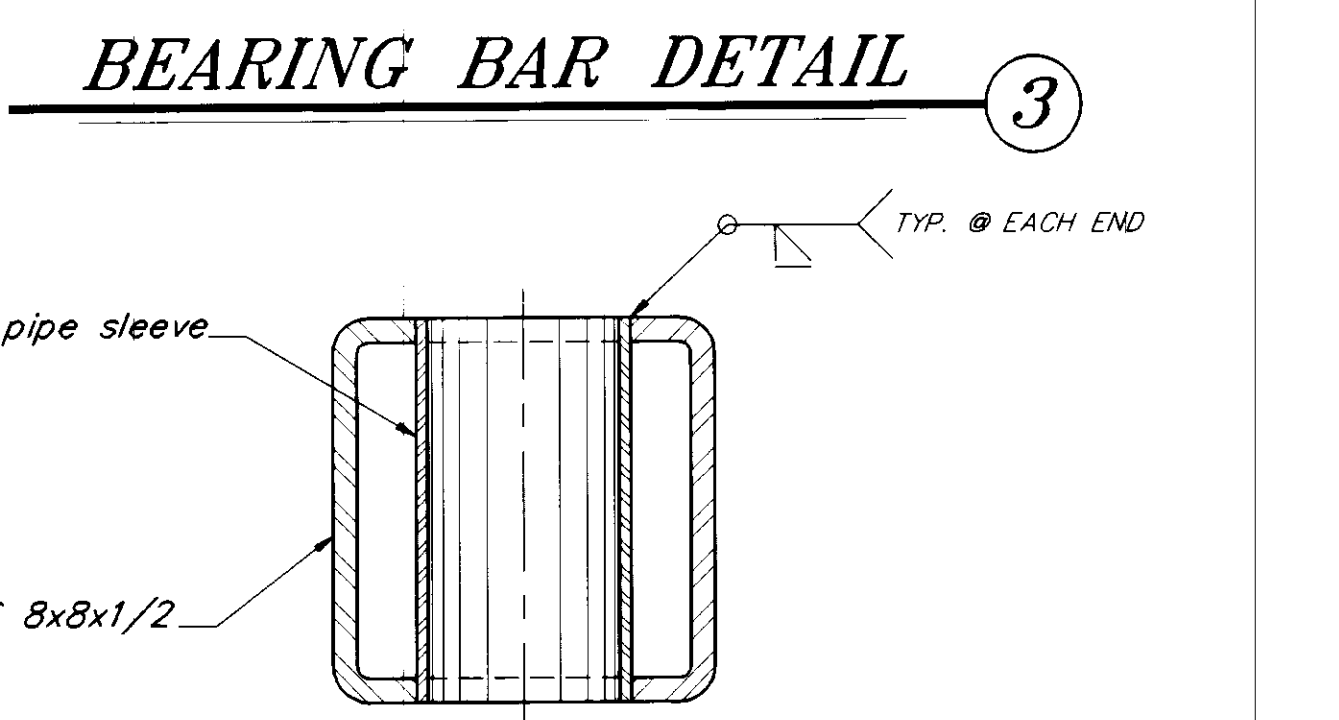
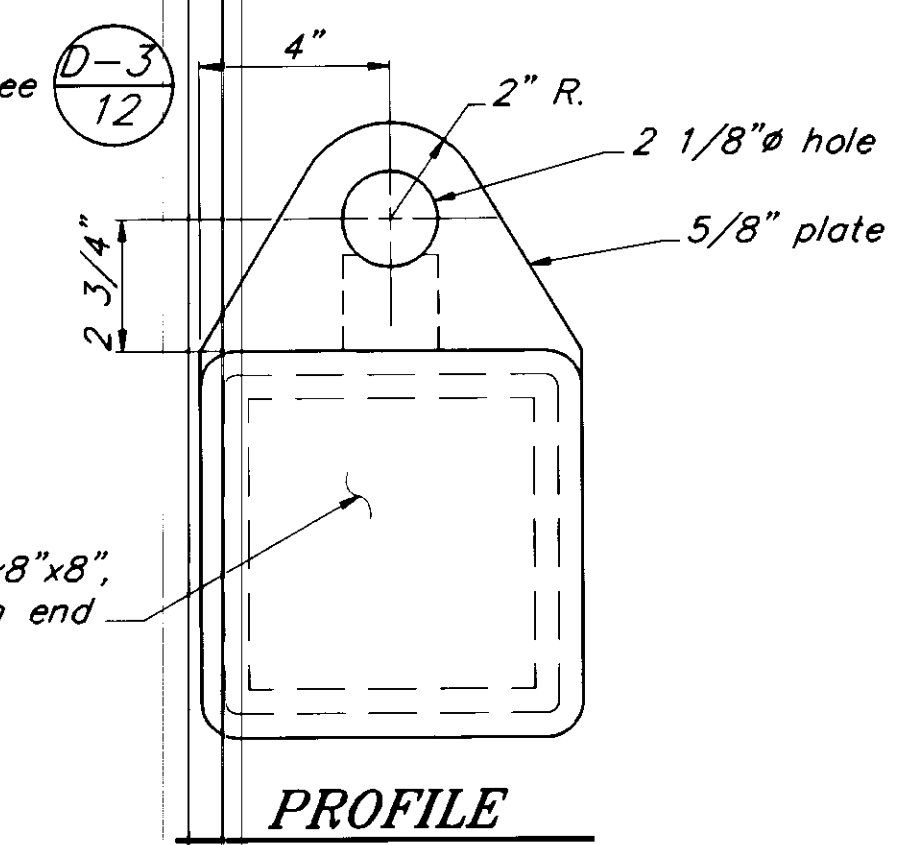
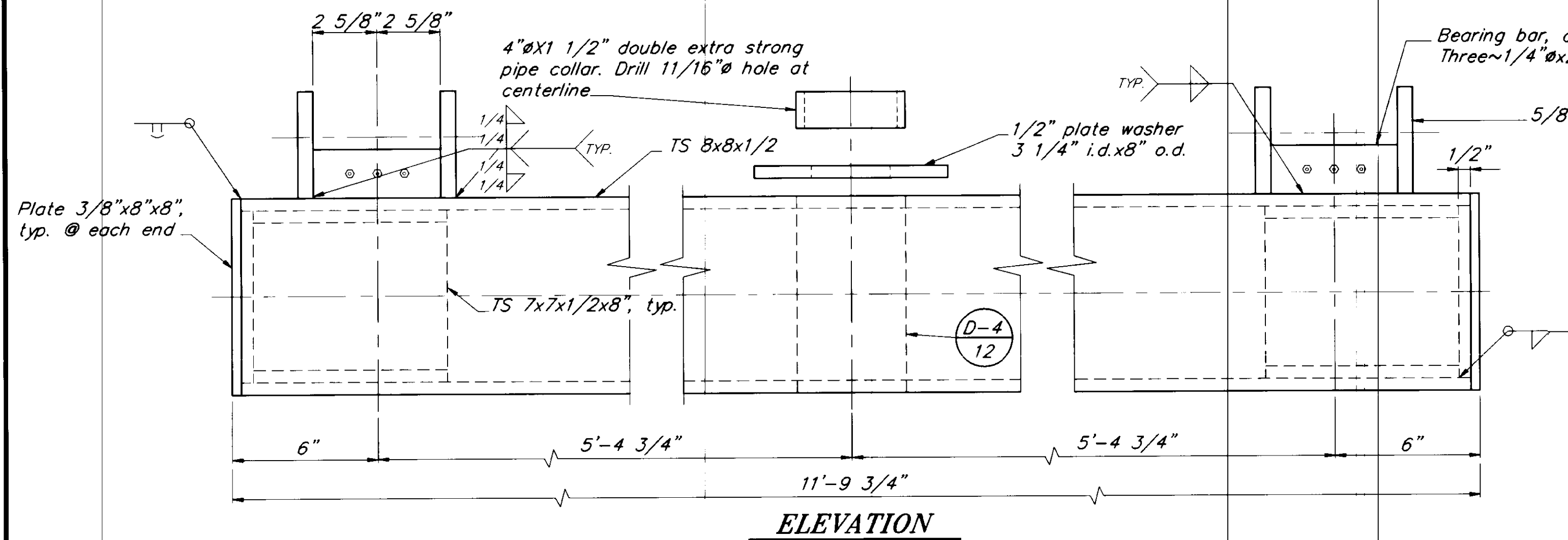
STATE OF ALASKA  
**DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES**  
 SOUTHEAST REGION DESIGN & CONSTRUCTION

PETERSBURG  
**SEAPLANE FLOAT FACILITY**  
 A.I.P. # 3-02-0304-01  
**VERTICAL HINGE DETAILS**

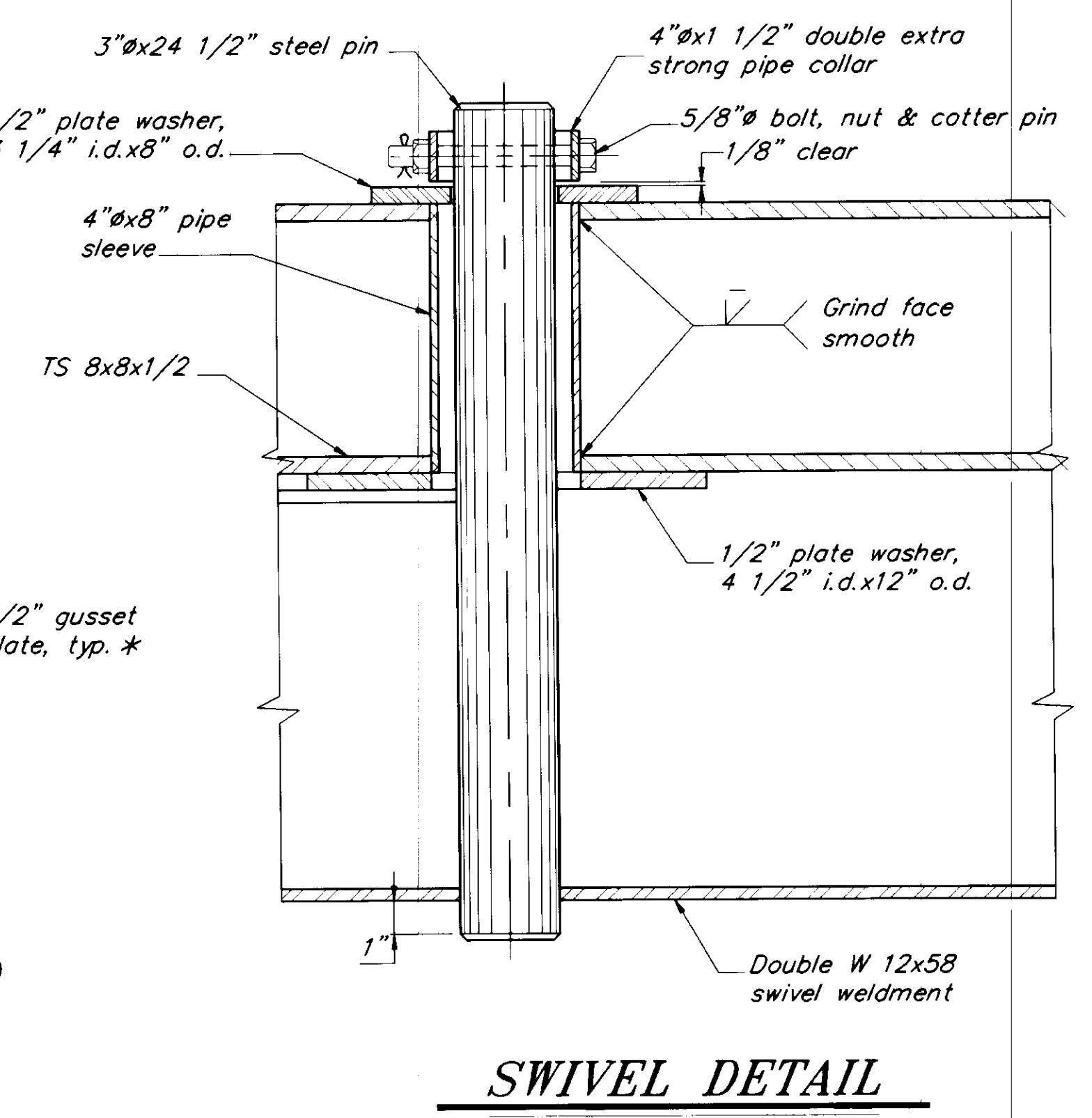
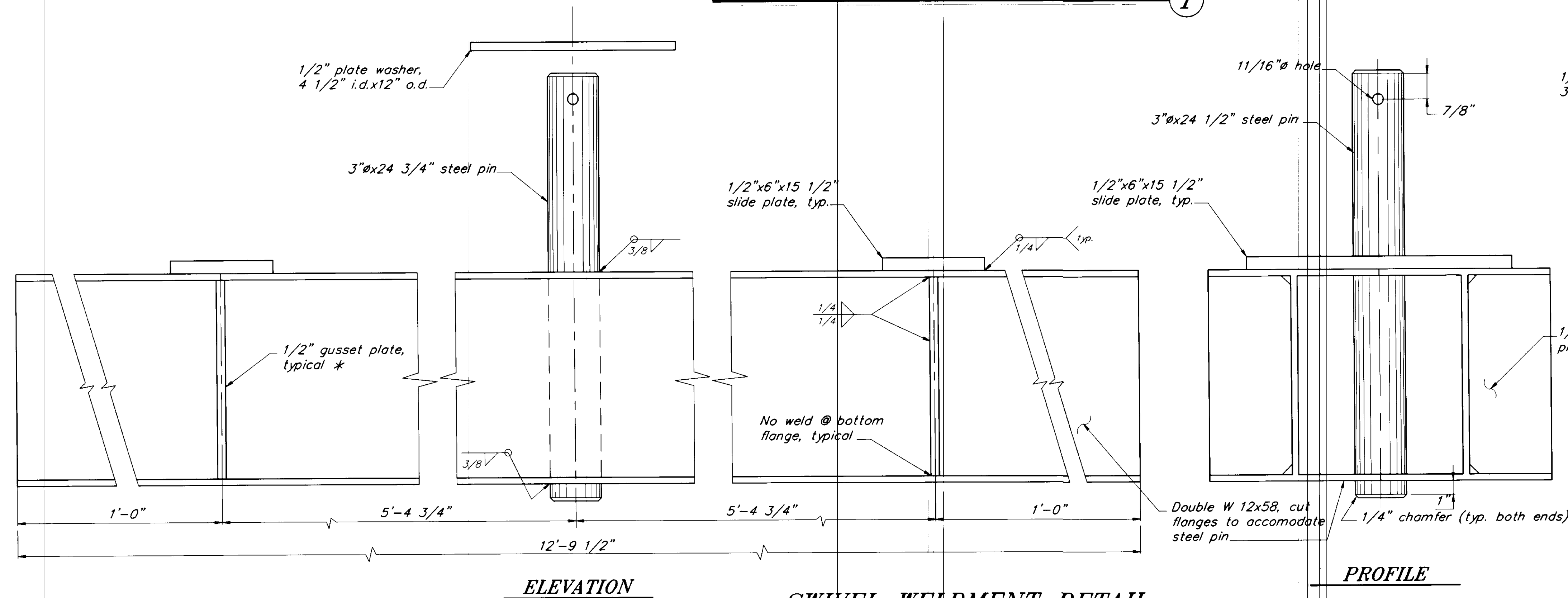
DESIGNED BY: D.D.S.	PROJECT NO. 70641
DRAWN BY: B.W.B.	DATE: AUGUST, 1994
CHECKED BY: M.H.	SHEET 11 OF 42



NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS



**HINGE / WELDMENT DETAIL 1**



**SWIVEL WELDMENT DETAIL 2**

\* Cope edges for weld clearance. Gusset plate to have a snug fit at bottom flange, do not weld to bottom flange.

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

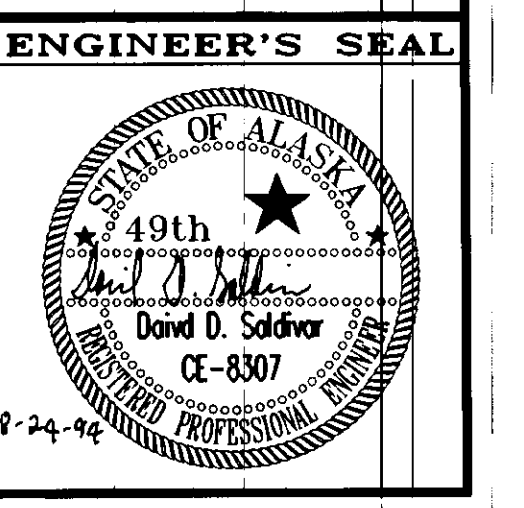
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RECORD OF REVISIONS		

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

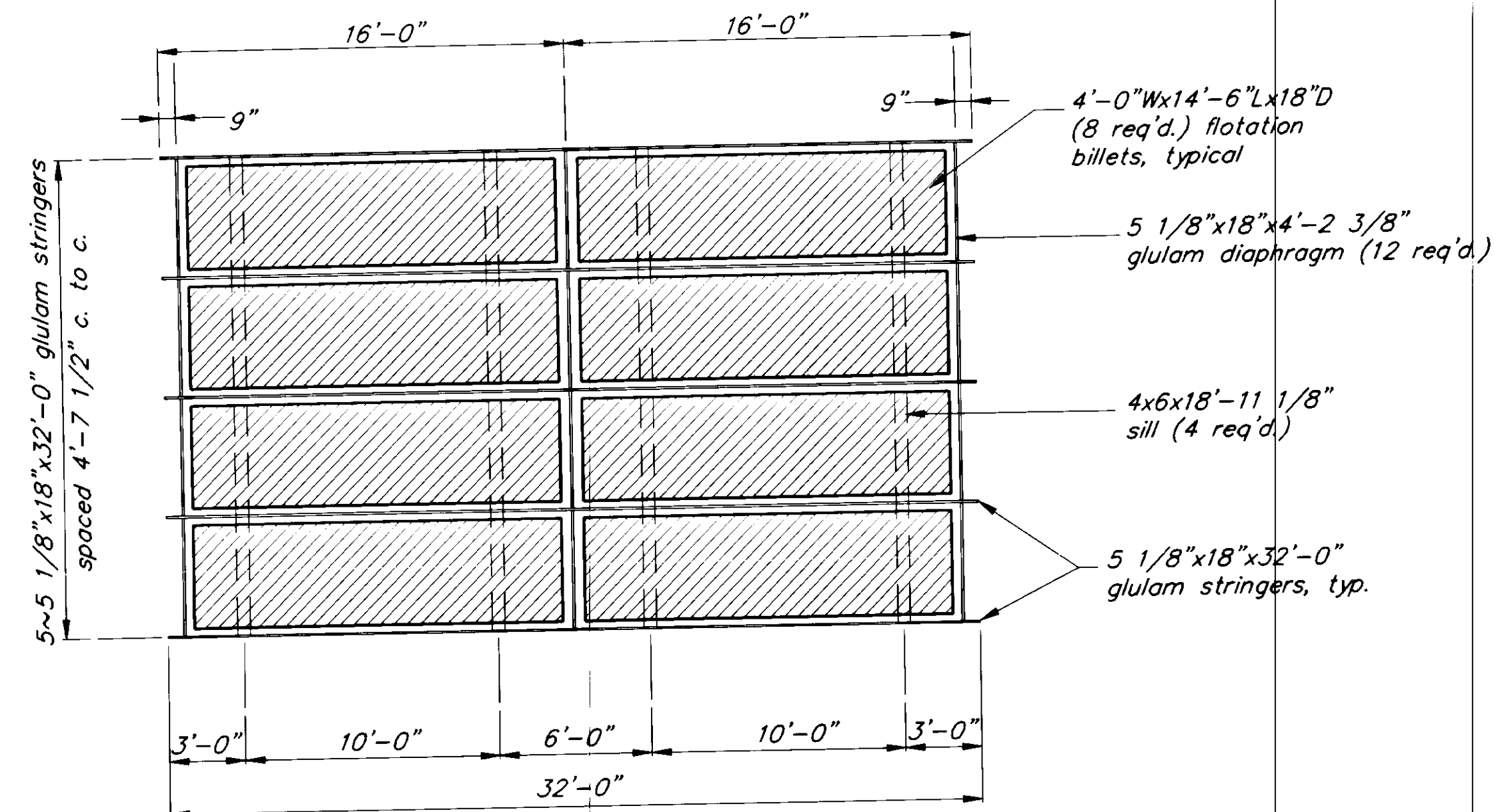
PETERSBURG  
 SEAPLANE FLOAT FACILITY  
 A.I.P. # 3-02-0304-01  
 ALASKA  
 GANGWAY CONNECTION DETAILS

DESIGNED BY: D.D.S.  
 DRAWN BY: B.W.B.  
 CHECKED BY: M.H.

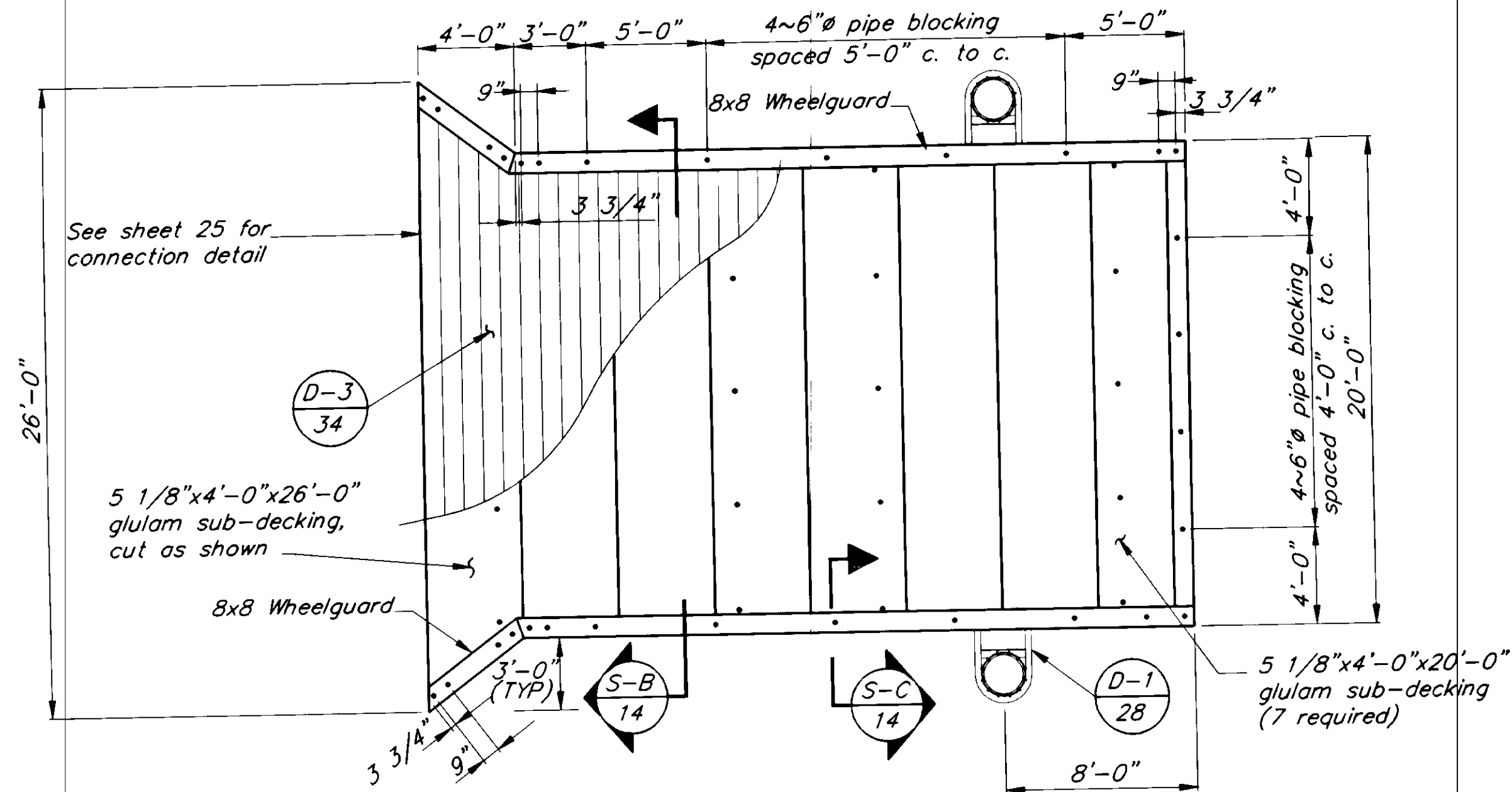
PROJECT NO. 70641  
 DATE: AUGUST, 1994  
 SHEET 12 OF 42



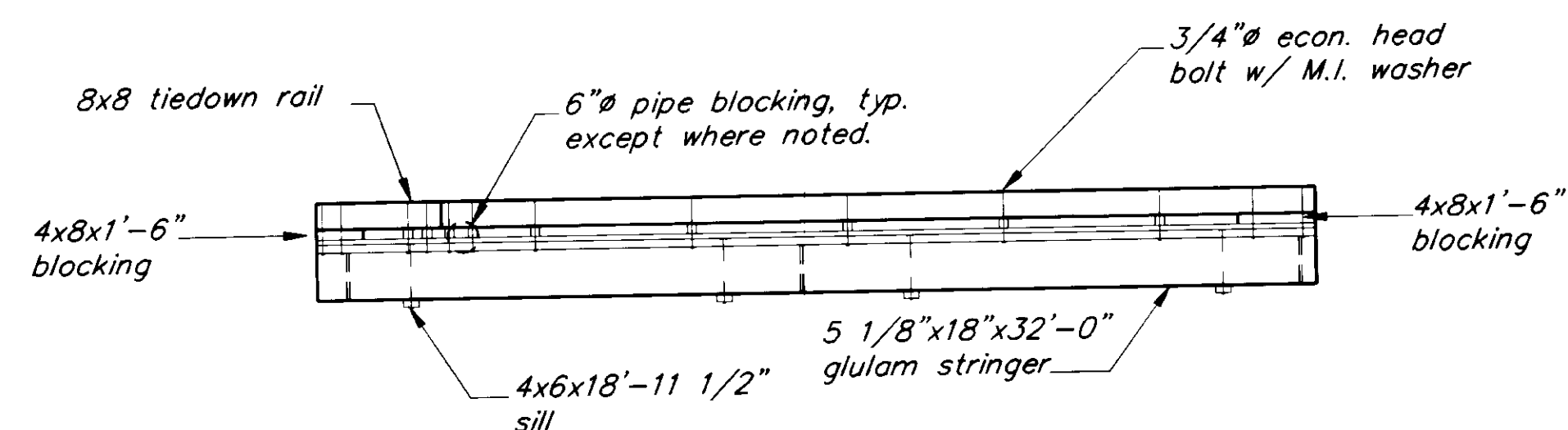




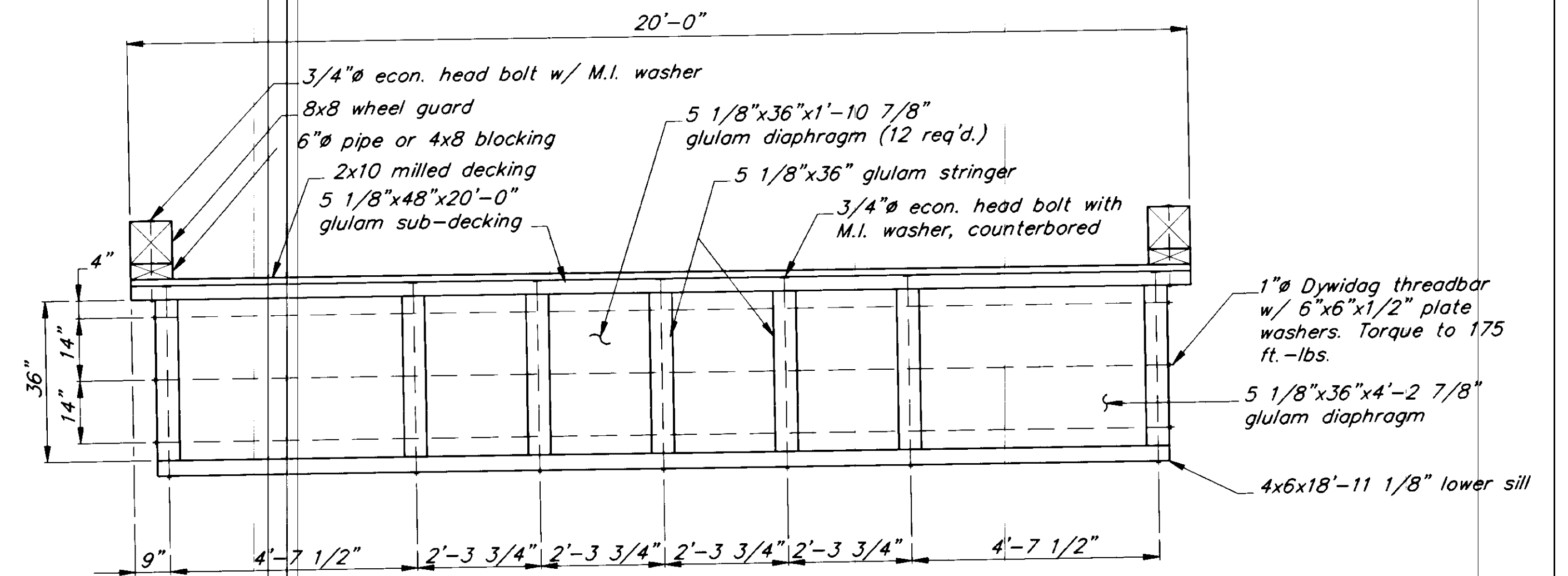
**FRAMING LAYOUT**



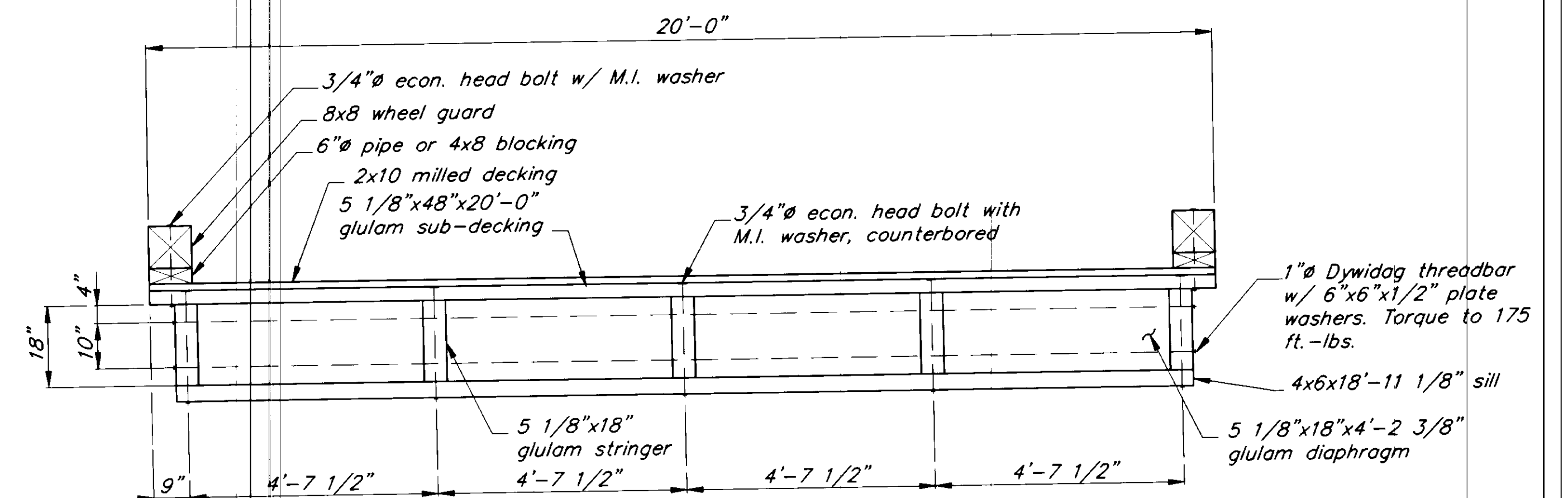
**DECKING LAYOUT**



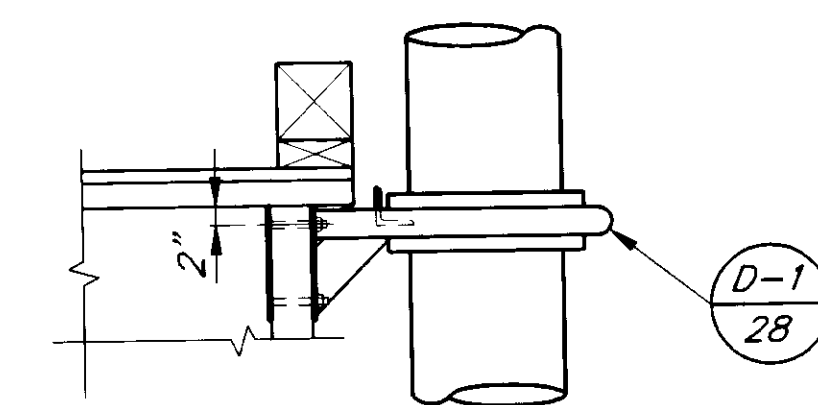
**ELEVATION**



**SECTION A**



**SECTION B**



**SECTION C**

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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DATE:		
<b>RECORD OF REVISIONS</b>		

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

PETERSBURG

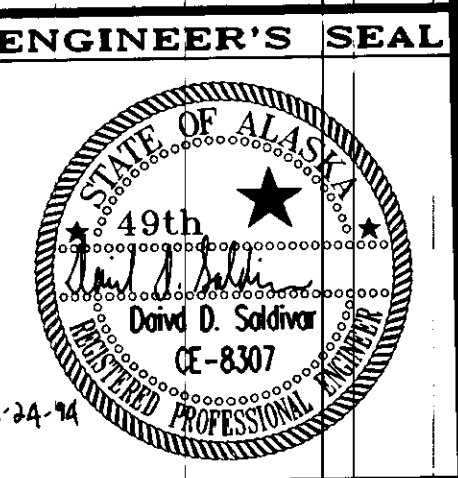
SEAPLANE FLOAT FACILITY  
 A.I.P. # 3-02-0304-01

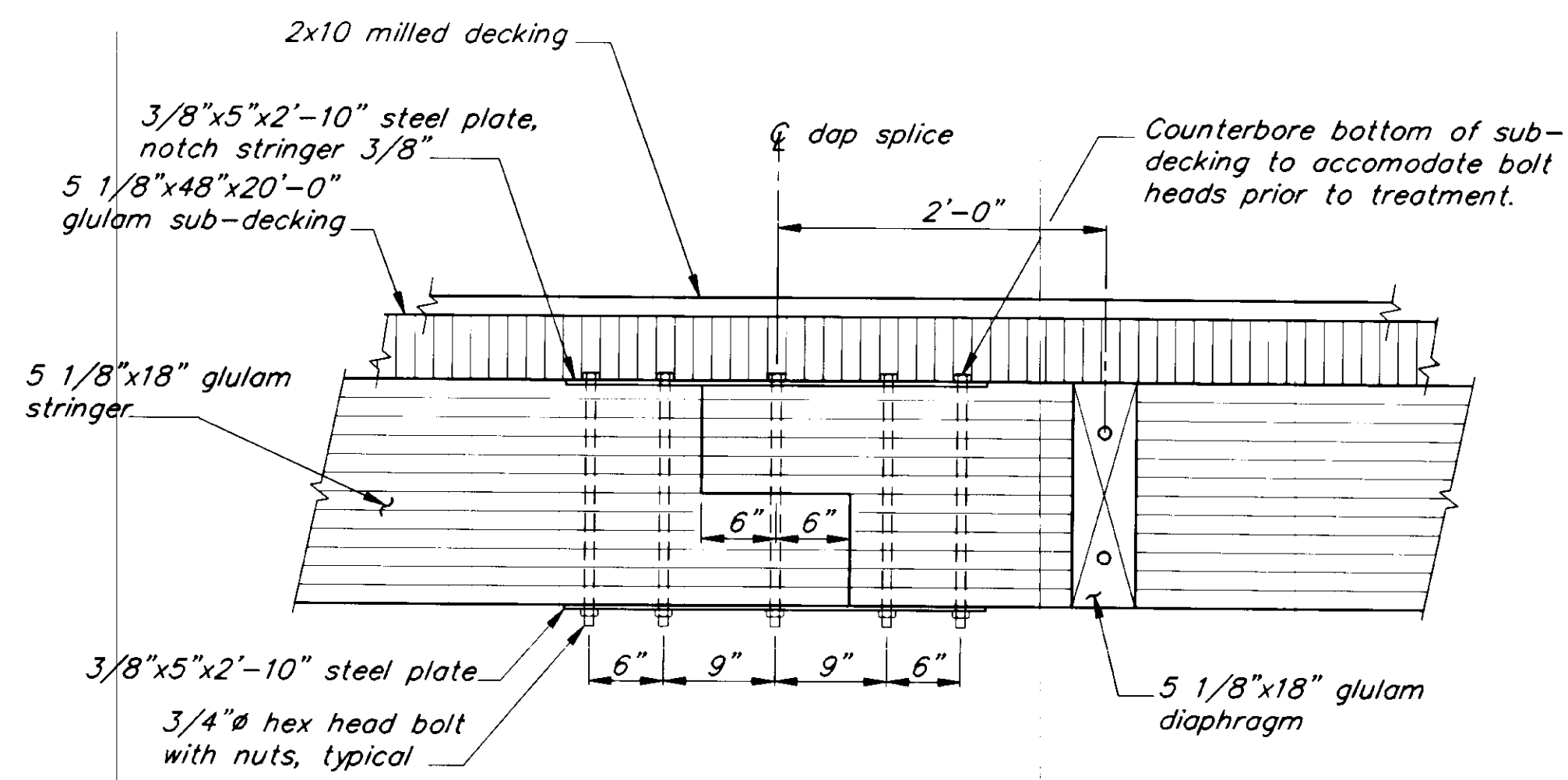
**TURNAROUND FLOAT DETAILS & SECTIONS**

ALASKA

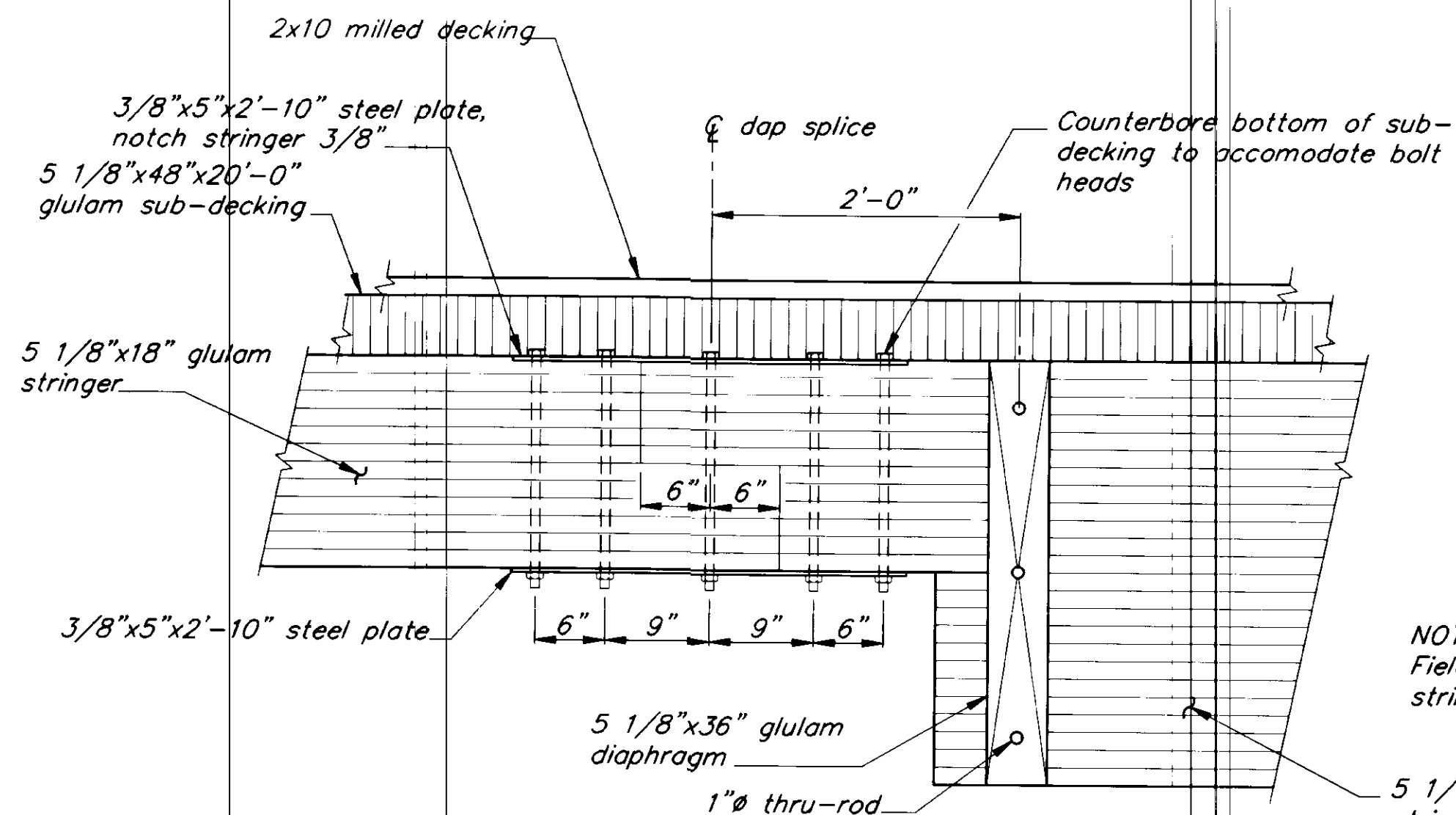
DESIGNED BY:  
D.D.S.  
 DRAWN BY:  
B.W.B.  
 CHECKED BY:  
M.H.

PROJECT NO.  
70641  
 DATE:  
AUGUST, 1994  
 SHEET 14 OF 42

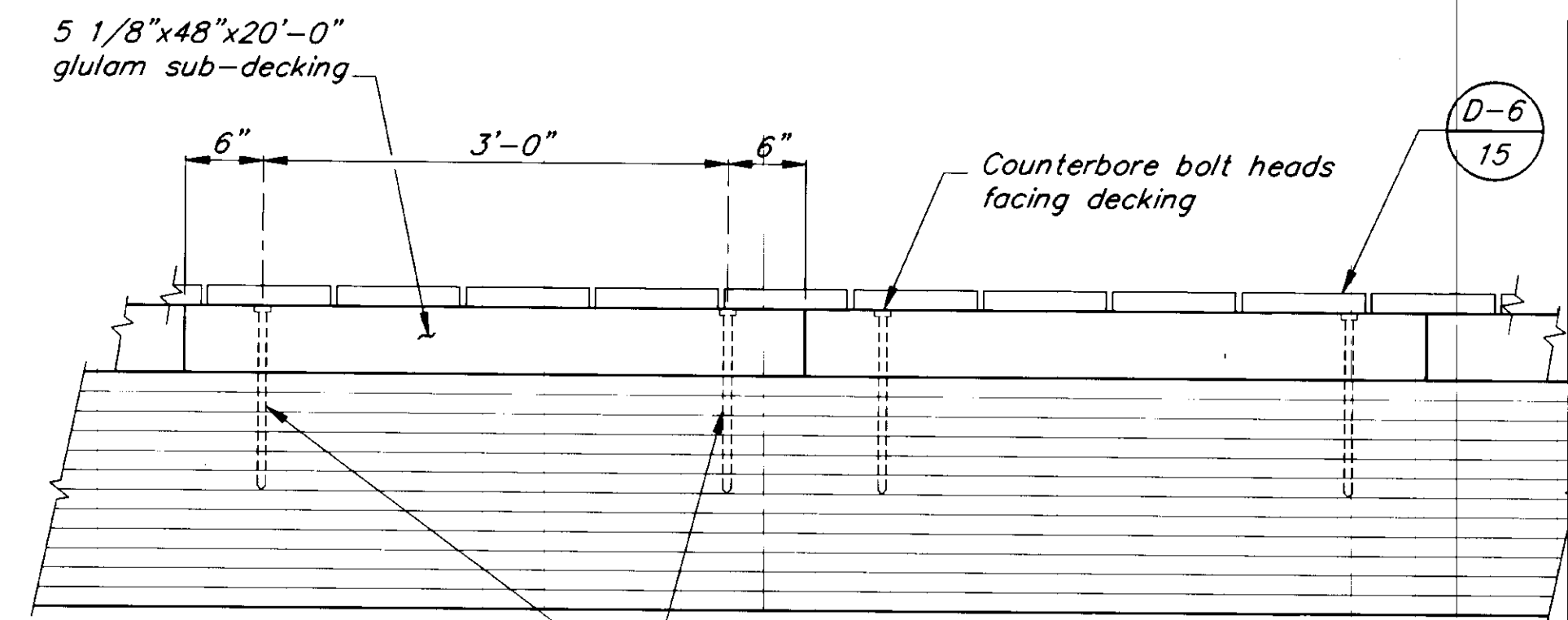




**STRINGER SPLICE**  
18" to 18" ①

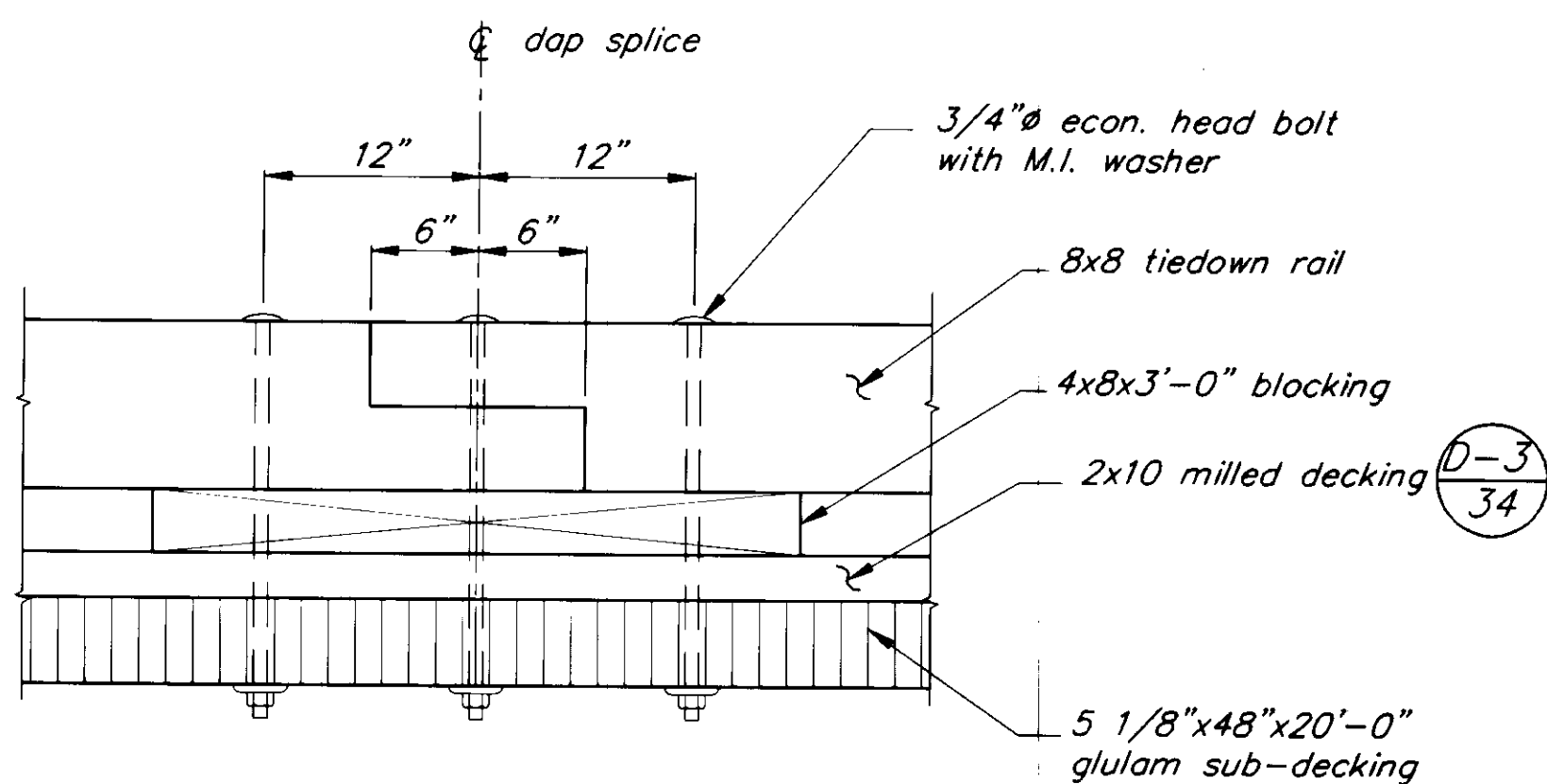


**STRINGER SPLICE**  
36" to 18" ②



NOTE: Field bore pilot holes in panels and stringers and treat per specifications. Secure each glulam panels w/2~5/8"Øx10" lag bolts at each stringer (10 lag bolts req'd. for each panel, 14 at gangway end.

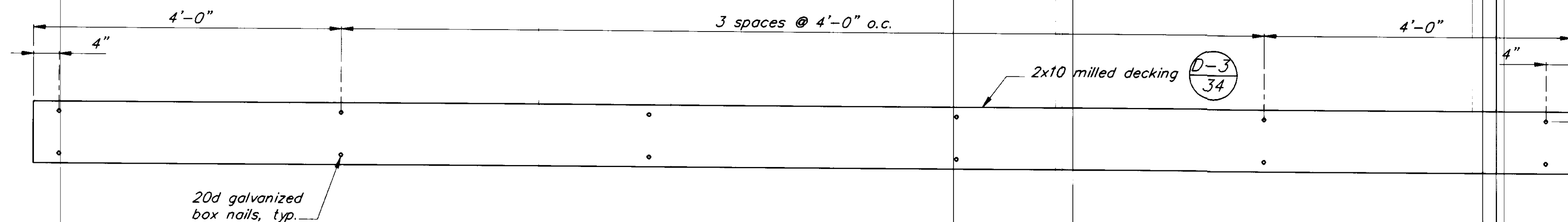
**TYPICAL BOLTING DETAIL**  
FOR SUB-DECKING ③



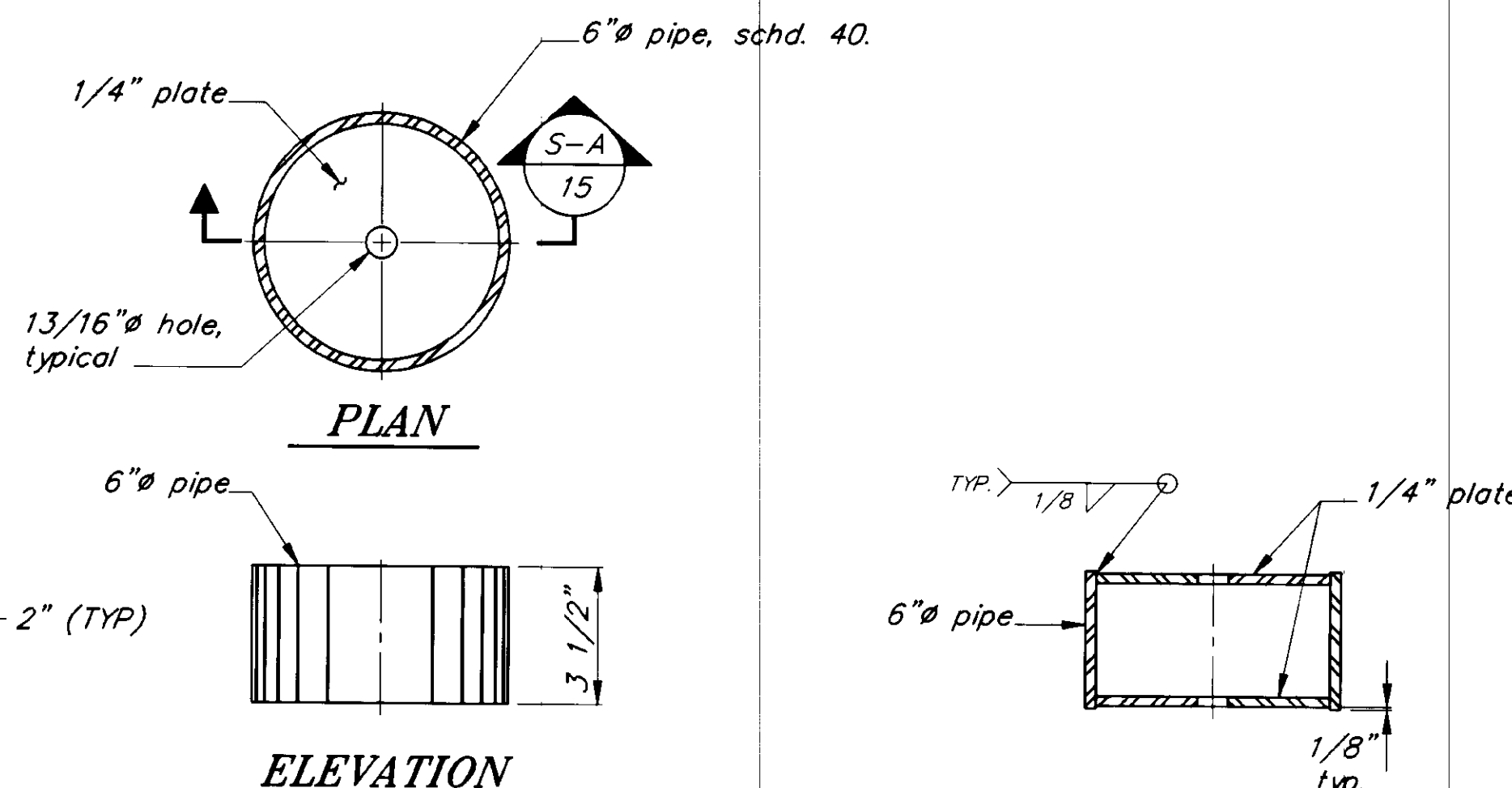
**TIEDOWN RAIL SPLICE** ④

**DECKING NOTES:**

- 2X10 milled decking shall be spaced 1/4" apart and secured with 20d galvanized box nails. Pre-drill to prevent splitting if required.
- Milled side of 2x10 shall be toward inside of tree.
- See detail 6 for nailing pattern.



**NAILING PATTERN DETAIL**  
FOR 2x10 DECKING ⑥



**PIPE BLOCKING DETAILS** ⑦ SECTION A

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BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

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

PETERSBURG

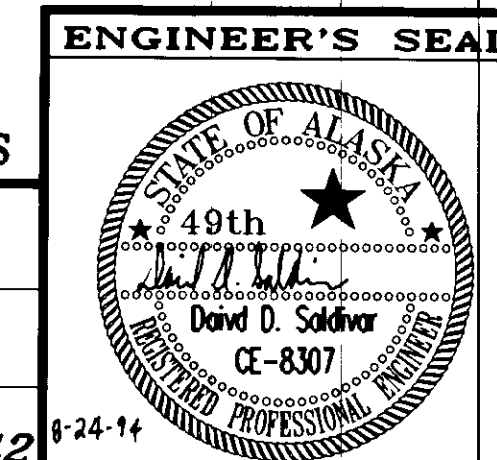
SEAPLANE FLOAT FACILITY  
A.I.P. # 3-02-0304-01  
APPROACH FLOAT DETAILS

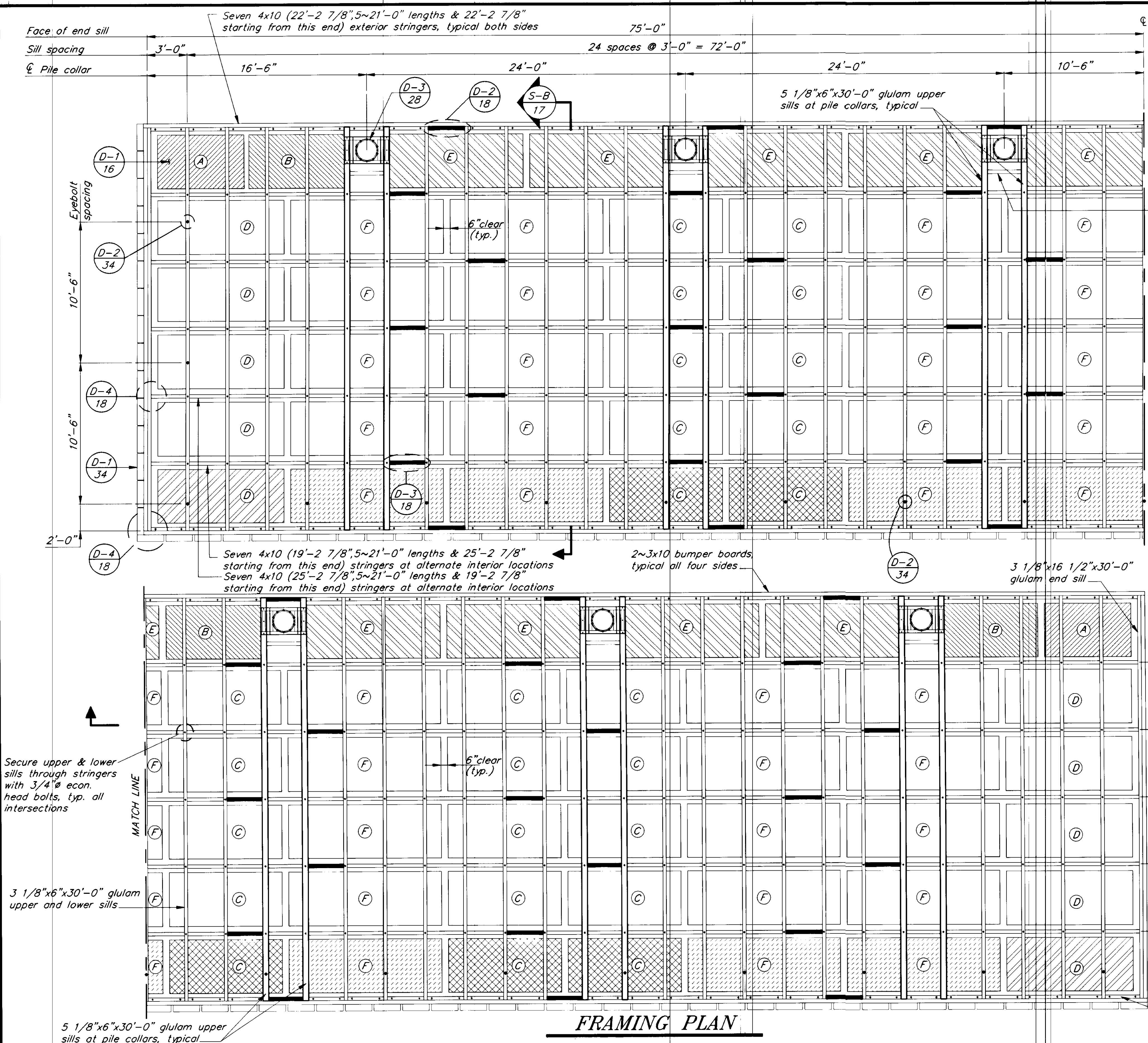
NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

ALASKA

DESIGNED BY: D.D.S.  
DRAWN BY: B.W.B.  
CHECKED BY: M.H.

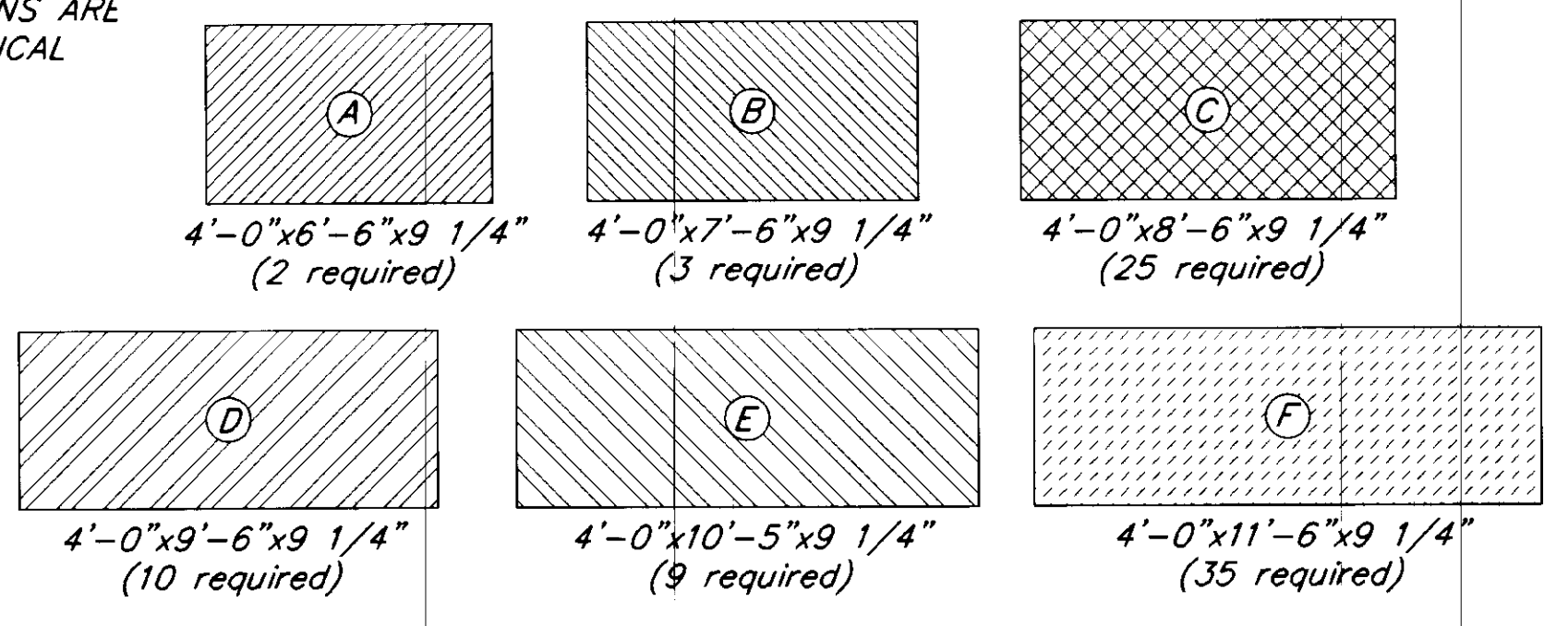
PROJECT NO. 70641  
DATE: AUGUST, 1994  
SHEET 15 OF 42





**FRAMING PLAN**

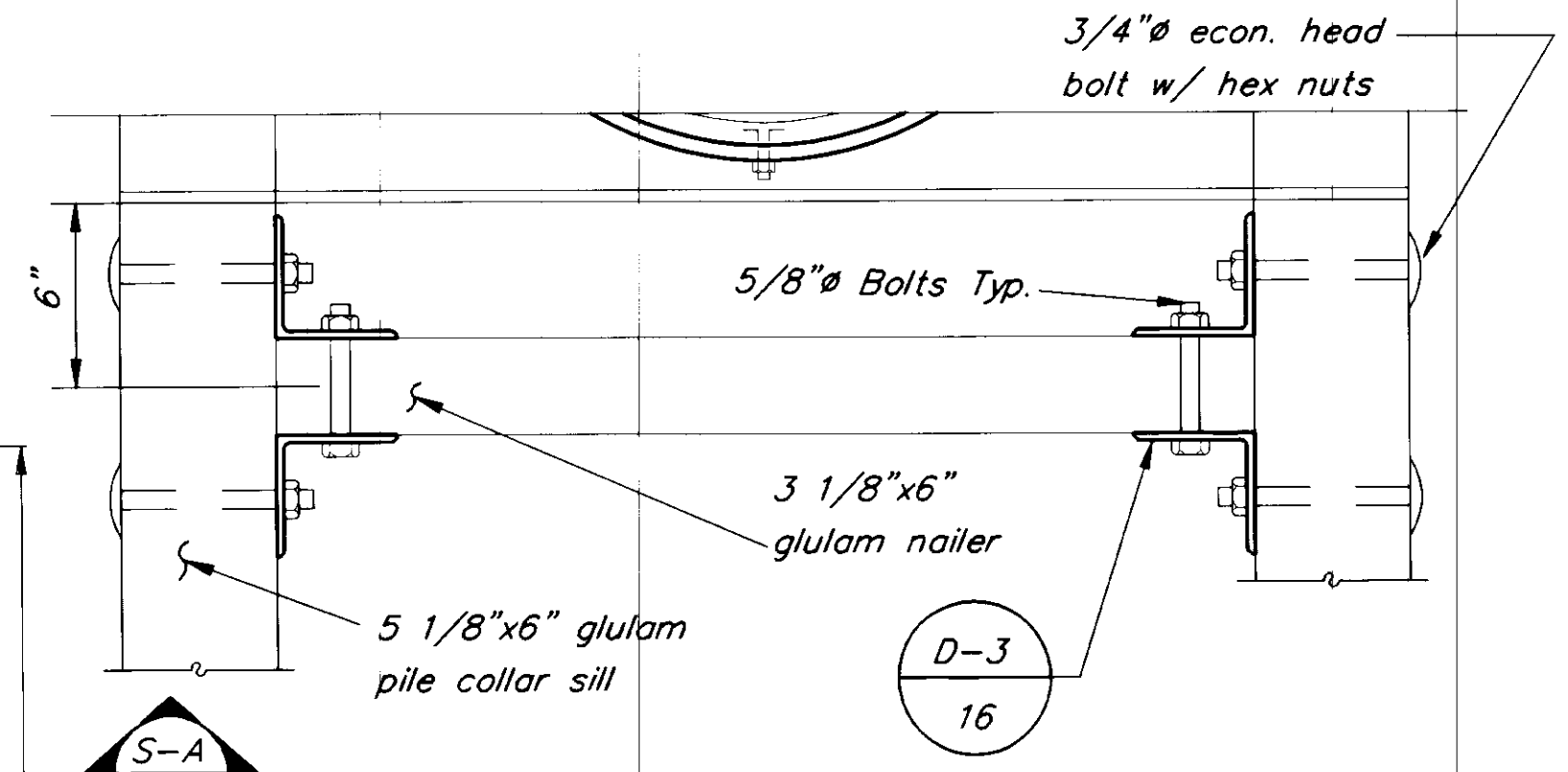
☑ DIMENSIONS ARE SYMMETRICAL



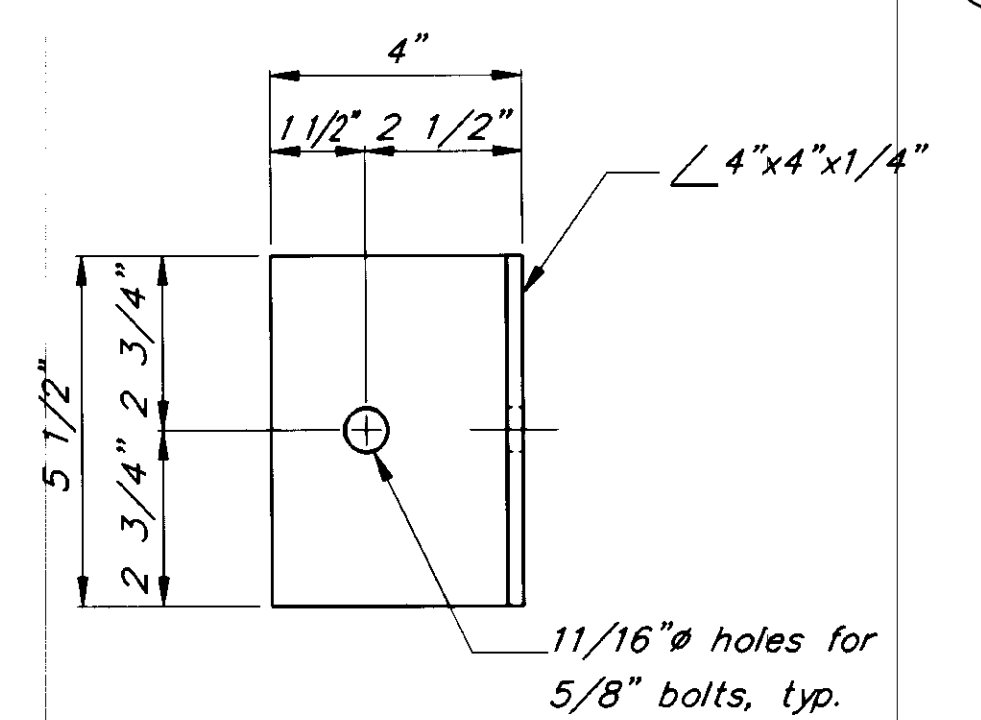
**FLOTATION BILLETS DETAILS**

**NOTES:**

1. Sills shall be full length, no splicing will be allowed.
2. Bumper board minimum length is 10'-0". Secure bumper boards with 60d double hot dipped galvanized nails. Staggered at 12" o.c. and 2~nails at ends.
3. 4 10 stringers shall be S4S WERE CHANGED FROM S4S TO GLULAM.
4. Apply 3x12 decking diagonally. Secure to every sill with 2~60d double dipped nails. Pre-drill all ends to prevent splitting.
5. Decking splices shall be staggered so that a minimum of every other deck plank shall contact 5 sills minimum. Minimum length deck planks shall contact 3 sills, except at corners of float. See specifications.



**NAILER DETAIL**



**NAILER BRACKET DETAIL**

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

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

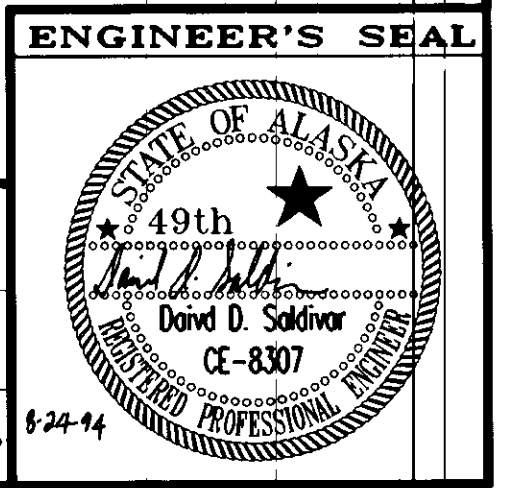
PETERSBURG

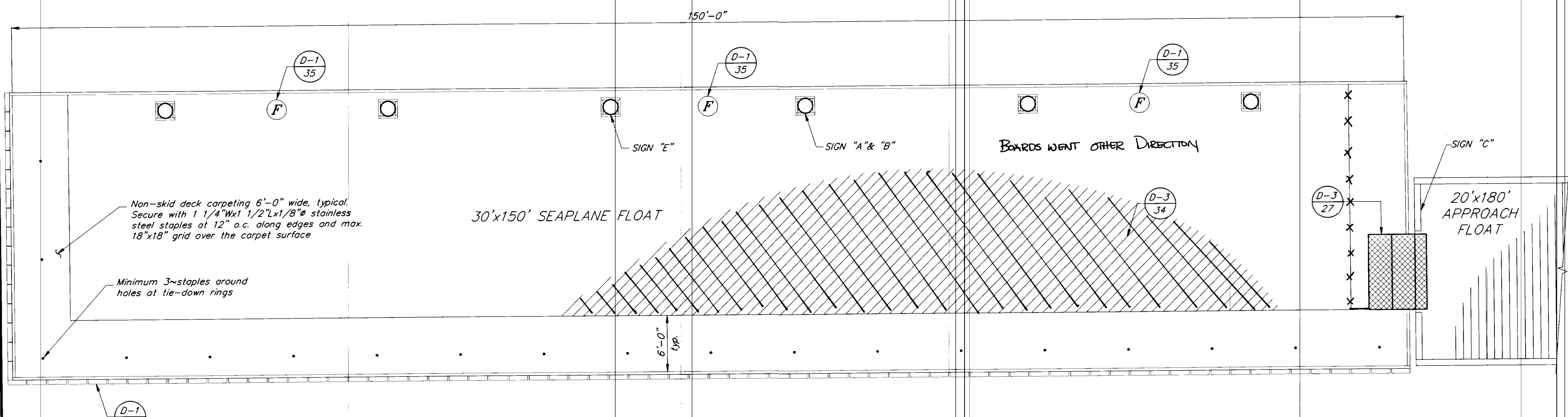
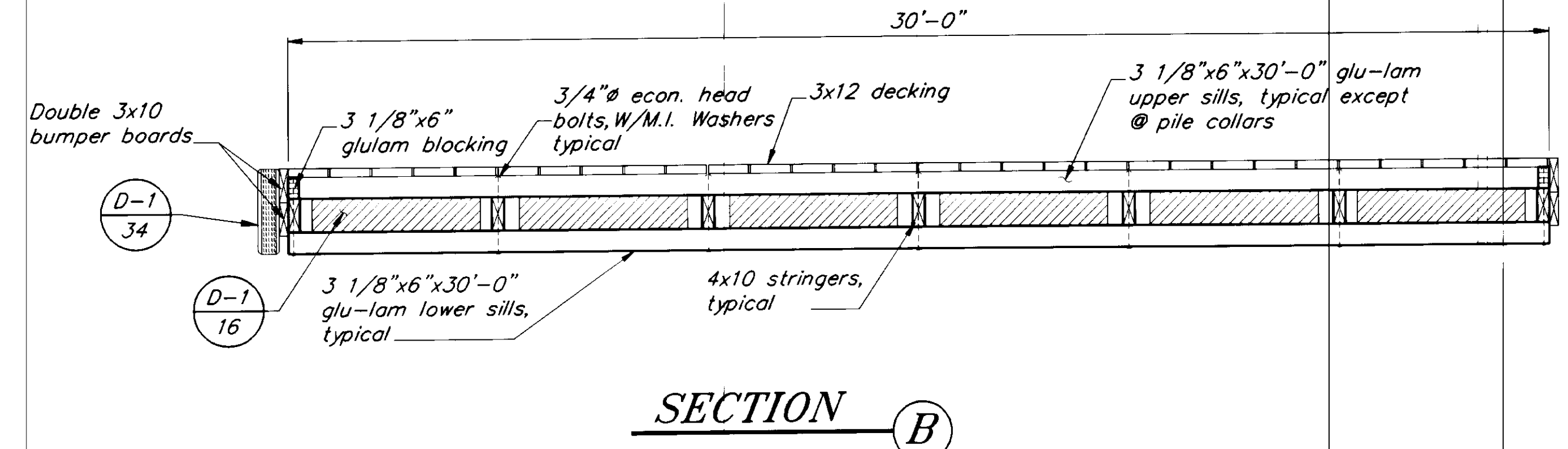
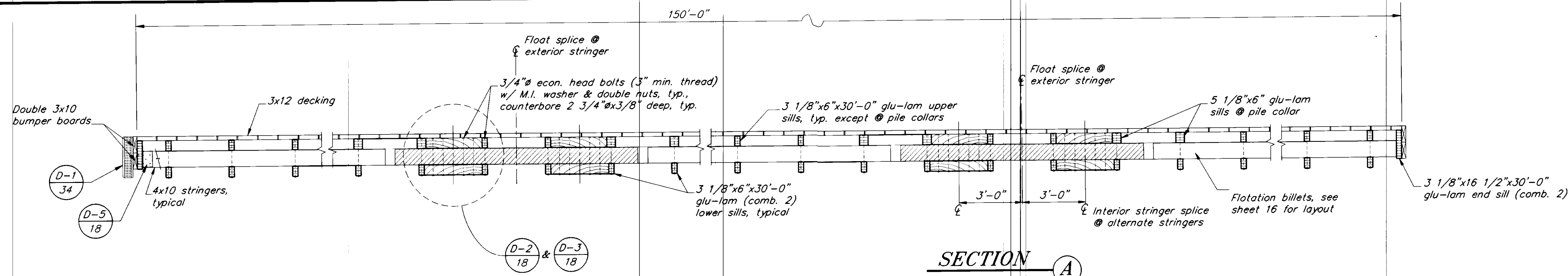
**SEAPLANE FLOAT FACILITY**  
 A.I.P. # 3-02-0304-01  
**SEAPLANE FLOAT DETAILS**

ALASKA

DESIGNED BY:  
 D.D.S.  
 DRAWN BY:  
 B.W.B.  
 CHECKED BY:  
 M.H.

PROJECT NO.  
 70641  
 DATE:  
 AUGUST, 1994  
 SHEET 16 OF 42





**MISCELLANEOUS PLACEMENT PLAN**

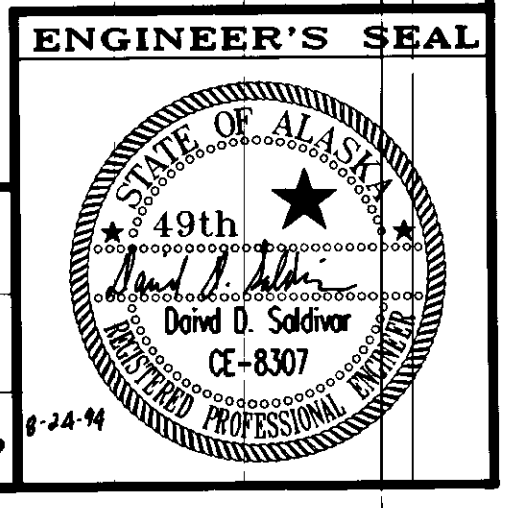
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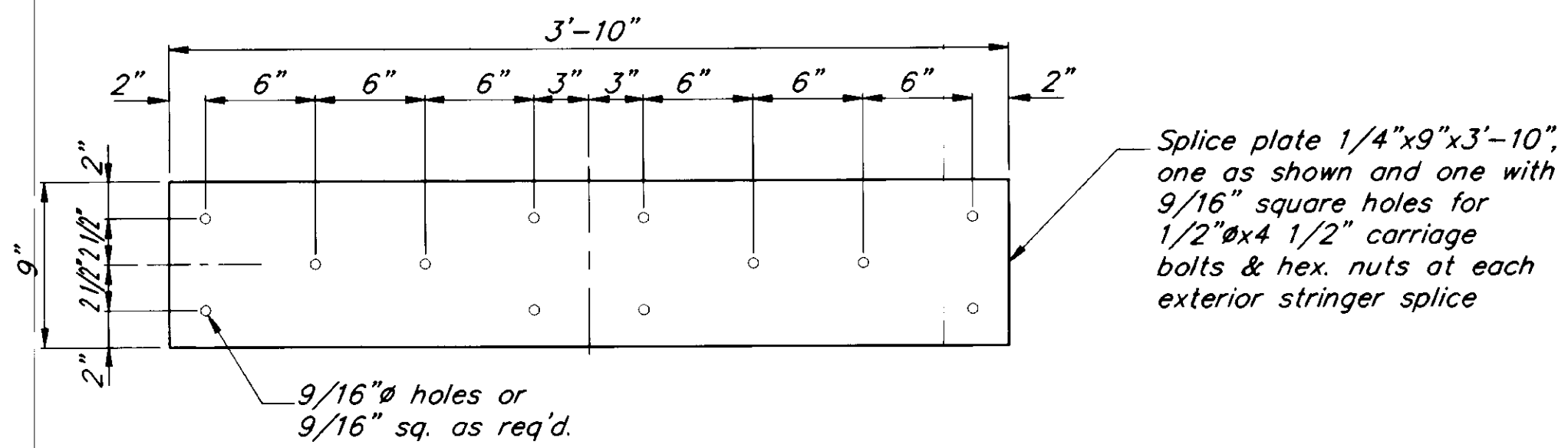
STATE OF ALASKA  
**DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES**  
 SOUTHEAST REGION DESIGN & CONSTRUCTION

PETERSBURG ALASKA  
**SEAPLANE FLOAT FACILITY**  
 A.I.P. # 3-02-0304-01  
**SEAPLANE FLOAT SECTIONS**

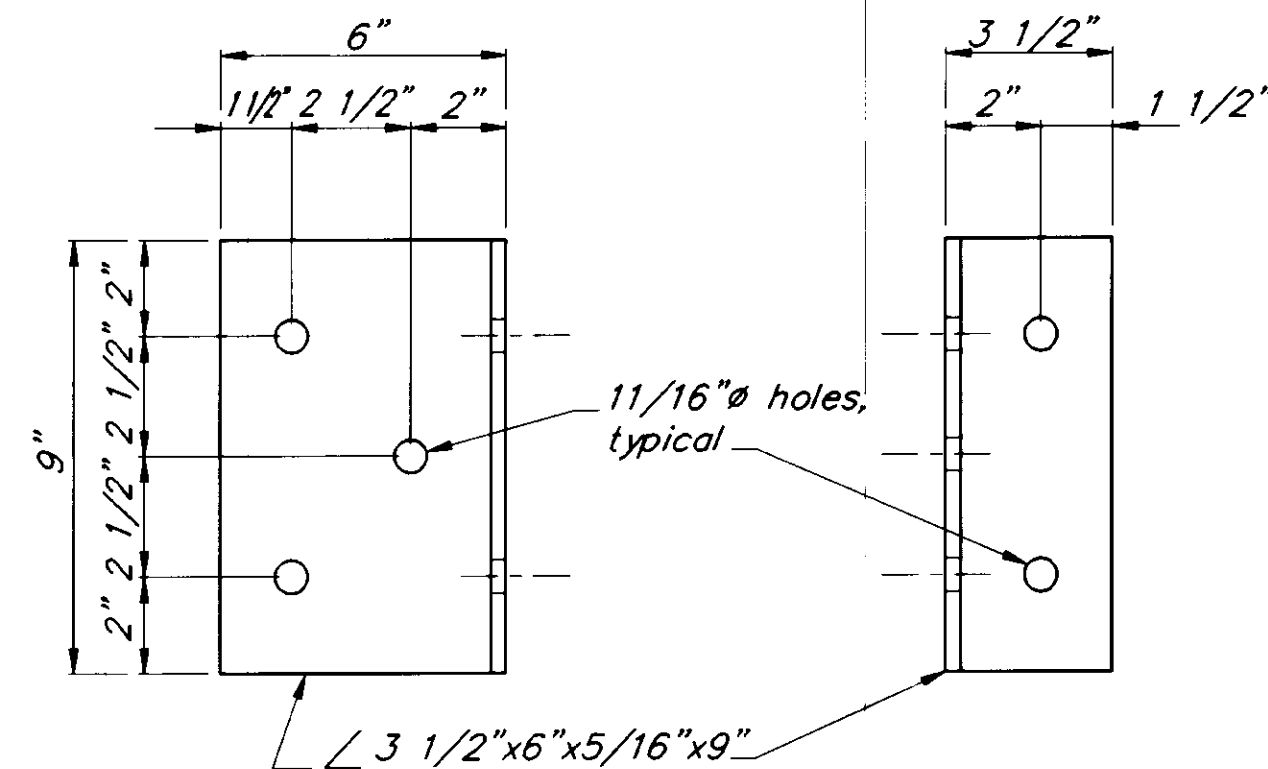
DESIGNED BY: D.D.S.	PROJECT NO. 70641
DRAWN BY: B.W.B.	DATE: AUGUST, 1994
CHECKED BY: M.H.	SHEET 17 OF 42

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

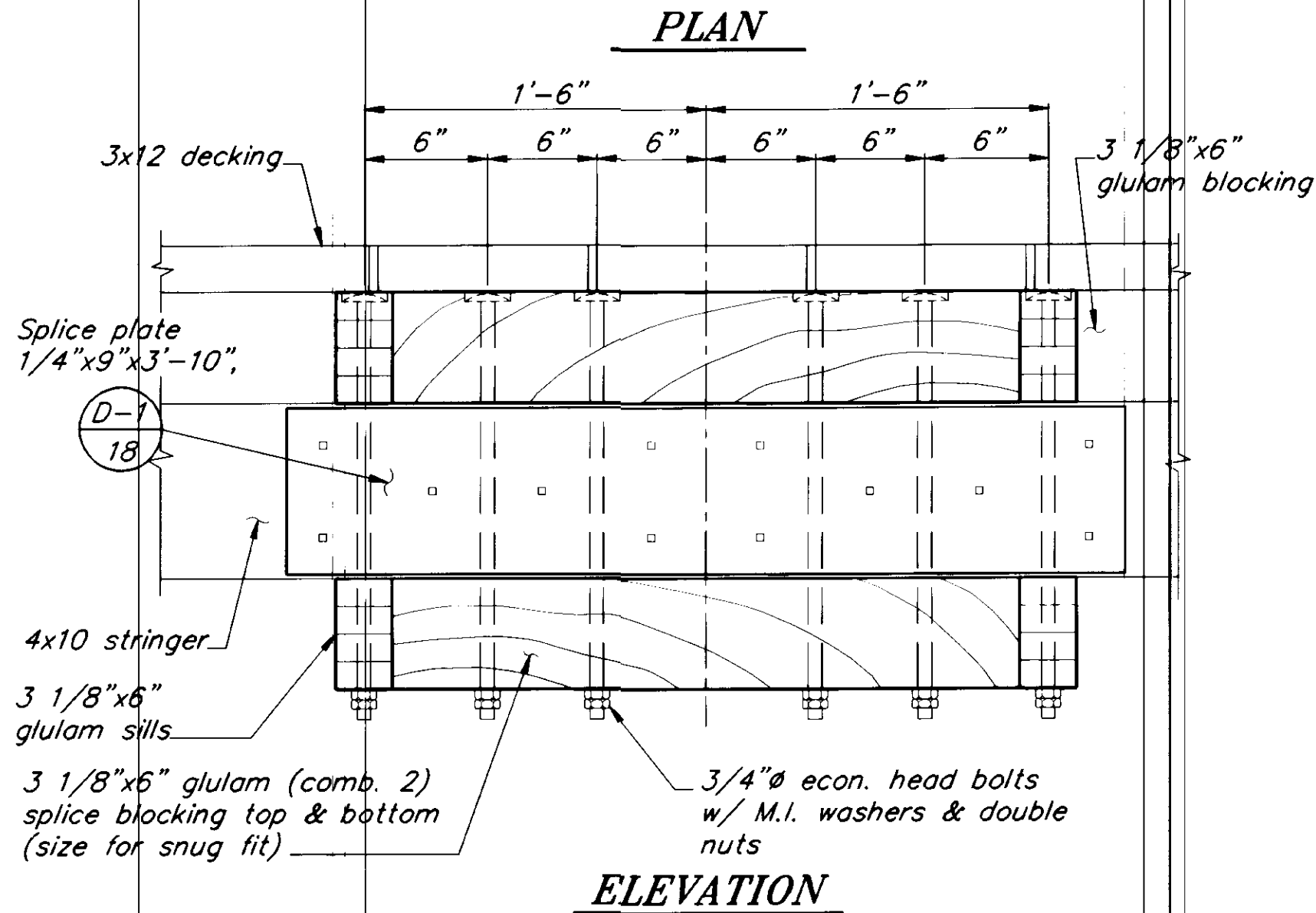
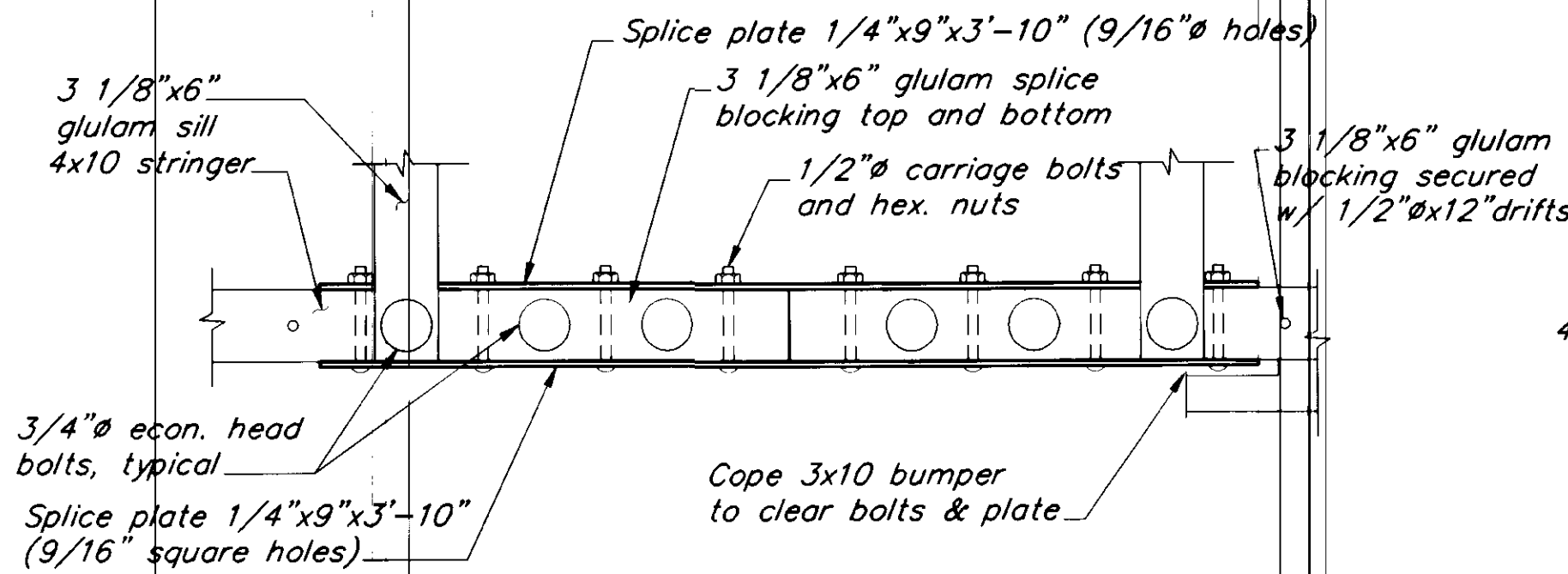




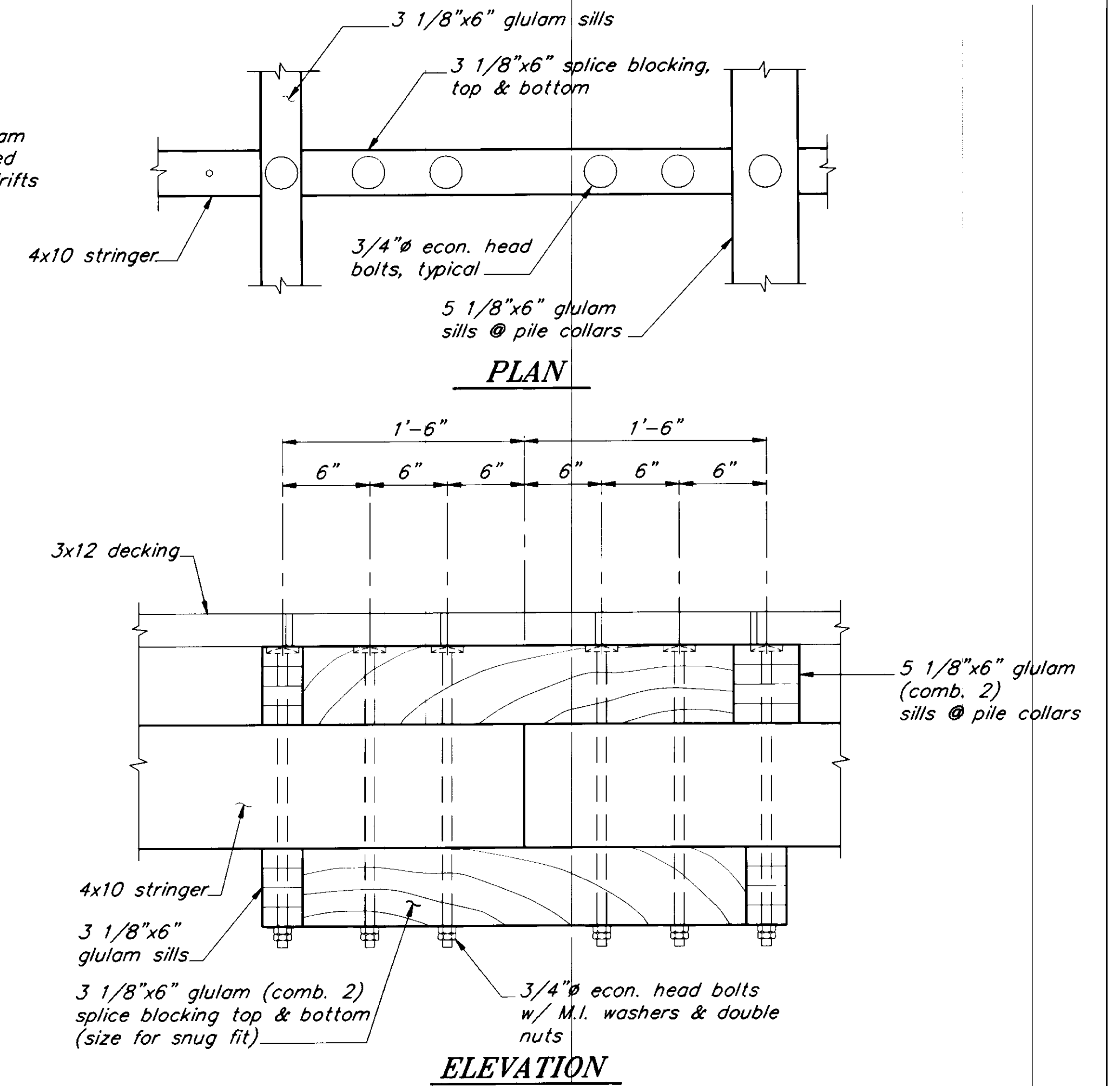
**SLICE PLATE DETAIL** ①



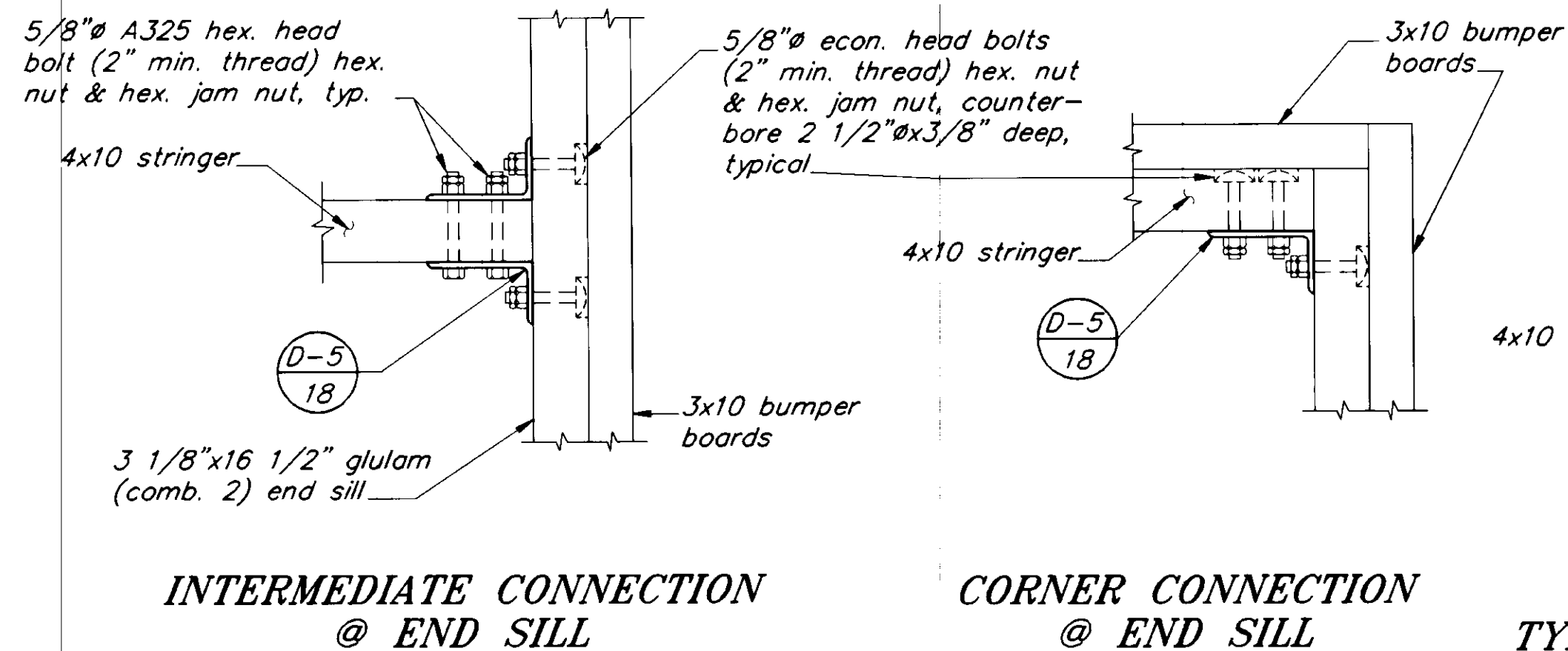
**CONNECTOR DETAIL** ⑤



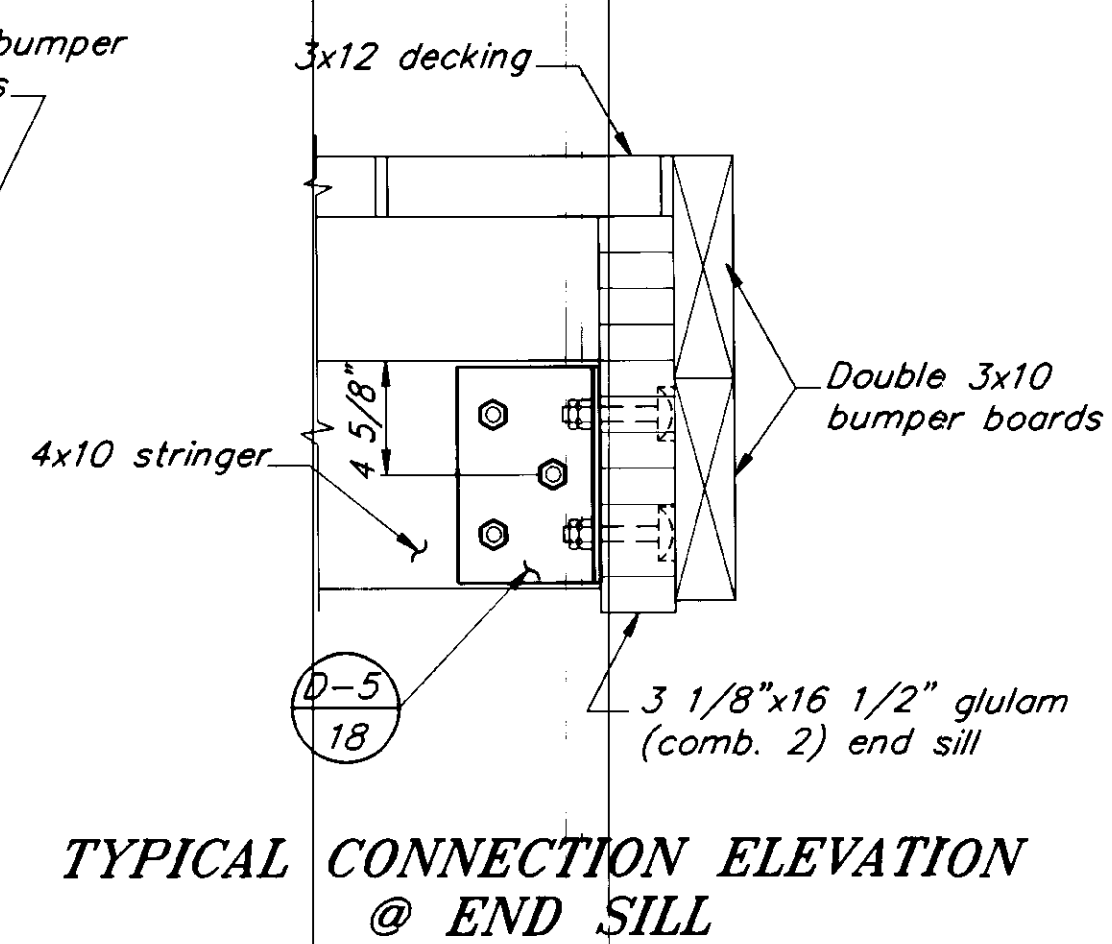
**EXTERNAL STRINGER SPLICE DETAILS** ②



**INTERNAL STRINGER SPLICE DETAILS** ③



**CORNER CONNECTION @ END SILL**



**TYPICAL CONNECTION ELEVATION @ END SILL**

**CONNECTION DETAILS** ④

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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DATE:	
RECORD OF REVISIONS	

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

PETERSBURG

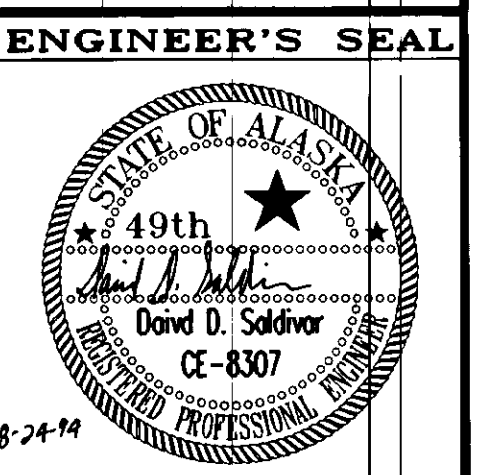
SEAPLANE FLOAT FACILITY  
A.I.P. # 3-02-0304-01

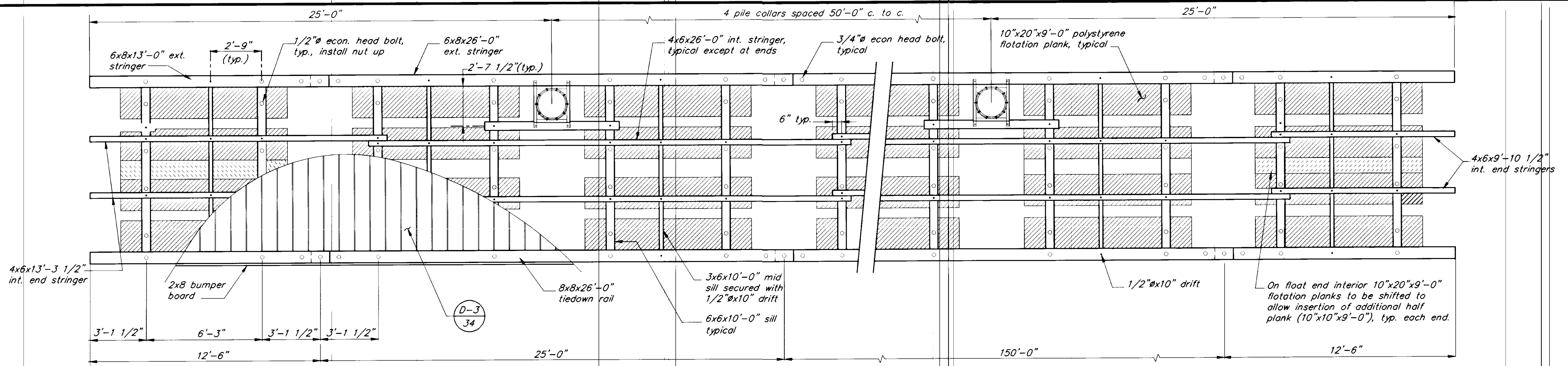
SEAPLANE FLOAT DETAILS

ALASKA

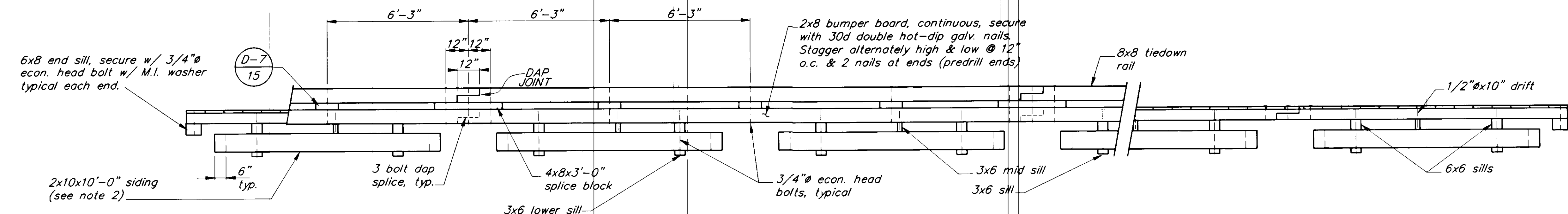
DESIGNED BY: D.D.S.  
DRAWN BY: B.W.B.  
CHECKED BY: M.H.

PROJECT NO. 70641  
DATE: AUGUST, 1994  
SHEET 18 OF 42

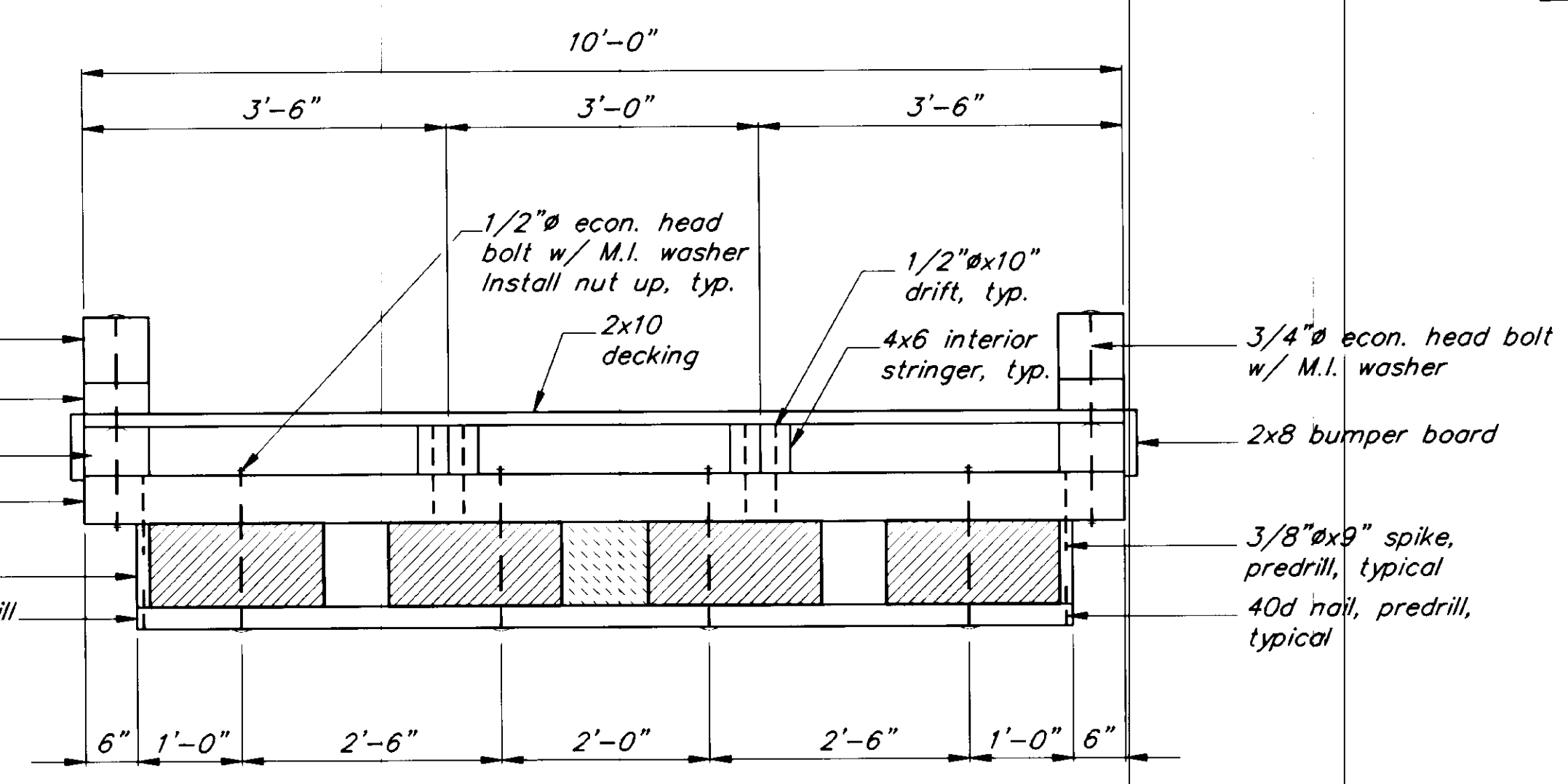




**PLAN**



**ELEVATION**



**TYPICAL CROSS SECTION**

**NOTES:**

1. Counterbore for all bolt heads facing decking 3/8".
2. 2x10 siding is a 2x12 (S4S) cut to match thickness of flotation billets.
3. All timber shall be S4S except decking (milled S1S2E) and 2x10 siding.
4. All bolts are 3/4" economy head type with lugs, unless otherwise noted.
5. Align bumper board splides with exterior stringer splices. Minimum bumper board length = 10'-0".
6. See sheet 15 for milled decking detail.
7. Decking shall be spaced 1/4" apart and secure to each stringer w/ 2-20d galvanized nails.

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

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

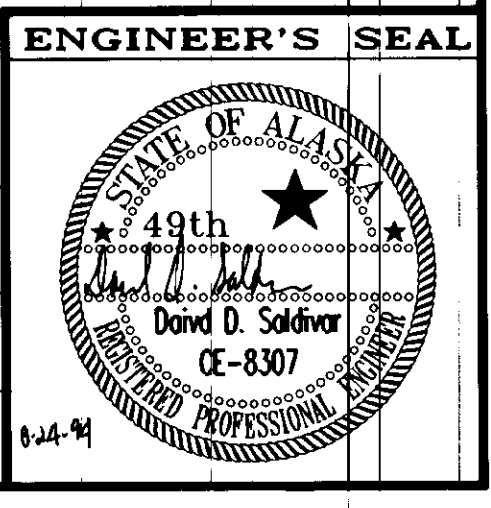
PETERSBURG

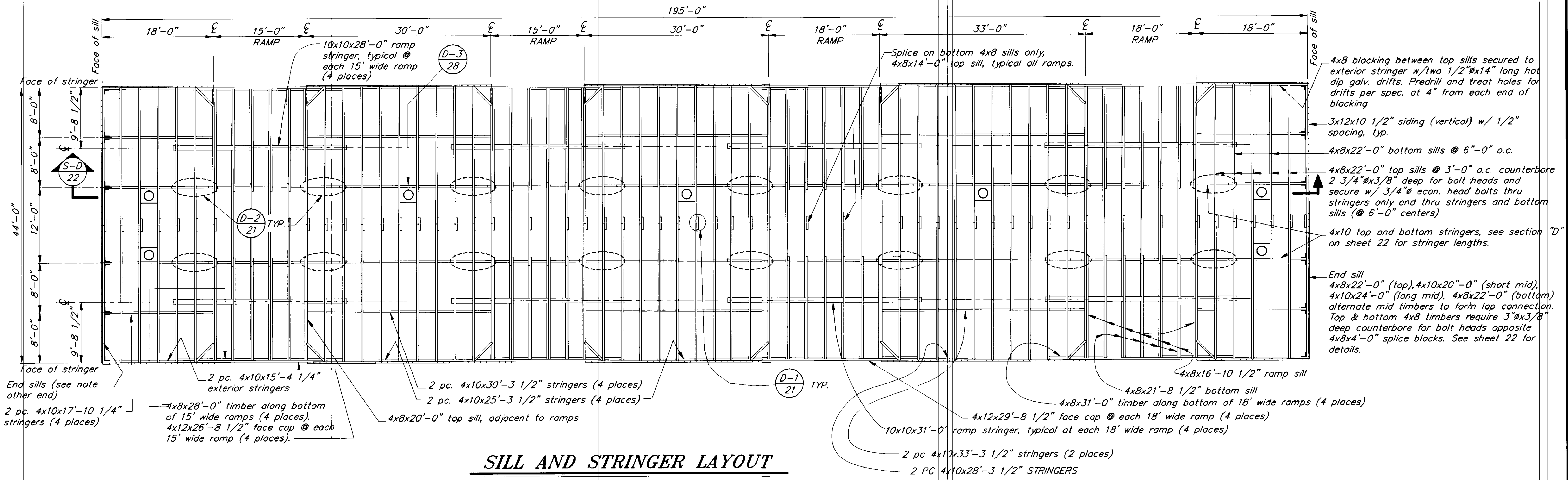
SEAPLANE FLOAT FACILITY  
 A.I.P. # 3-02-0304-01  
 10' WIDE TIMBER FLOAT

ALASKA

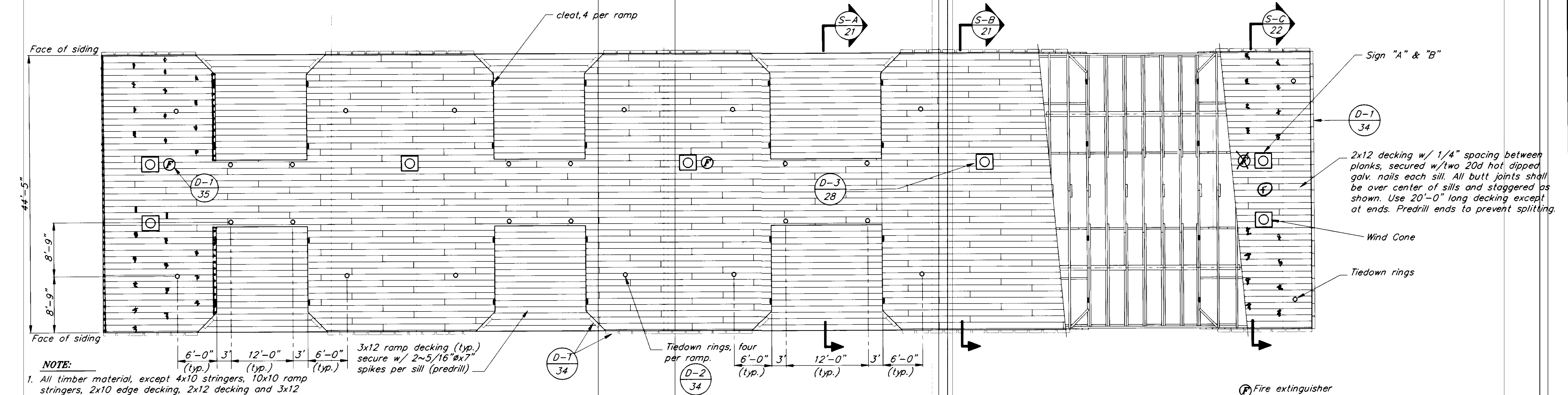
DESIGNED BY:  
D.D.S.  
 DRAWN BY:  
B.W.B.  
 CHECKED BY:  
M.H.

PROJECT NO.  
70641  
 DATE:  
AUGUST, 1994  
 SHEET 19 OF 42





**SILL AND STRINGER LAYOUT**



**DECKING, RING AND CLEAT LAYOUT**

- NOTE:**
- All timber material, except 4x10 stringers, 10x10 ramp stringers, 2x10 edge decking, 2x12 decking and 3x12 ramp decking is to be S4S.
  - 4x10 stringers and 10x10 ramp stringers to be rough cut (full 10 inch) WERE CHANGED TO GLULAM.
  - 2x12 decking and 3x12 ramp decking to be milled S1S2E, install rough side up. See milled decking detail on sheet 34.

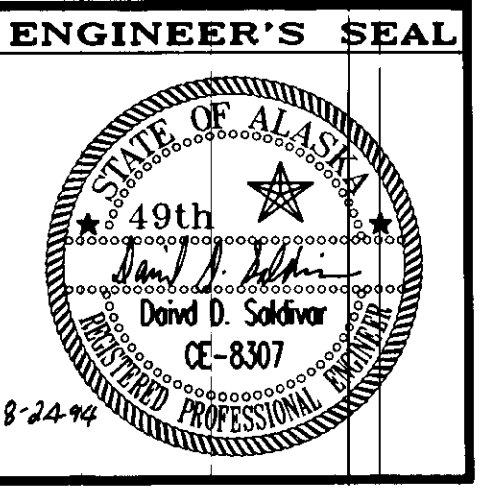
NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

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

PETERSBURG  
**SEAPLANE FLOAT FACILITY**  
 A.I.P. # 3-02-0304-01  
**RAMP FLOAT LAYOUT**

ALASKA	DESIGNED BY: D.D.S.	PROJECT NO. 70641
	DRAWN BY: B.W.B.	DATE: AUGUST, 1994
	CHECKED BY: M.H.	SHEET 20 OF 42

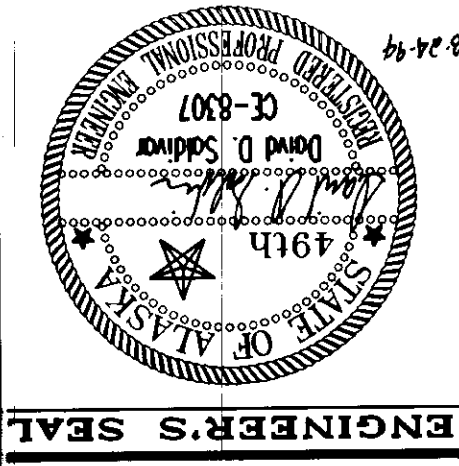


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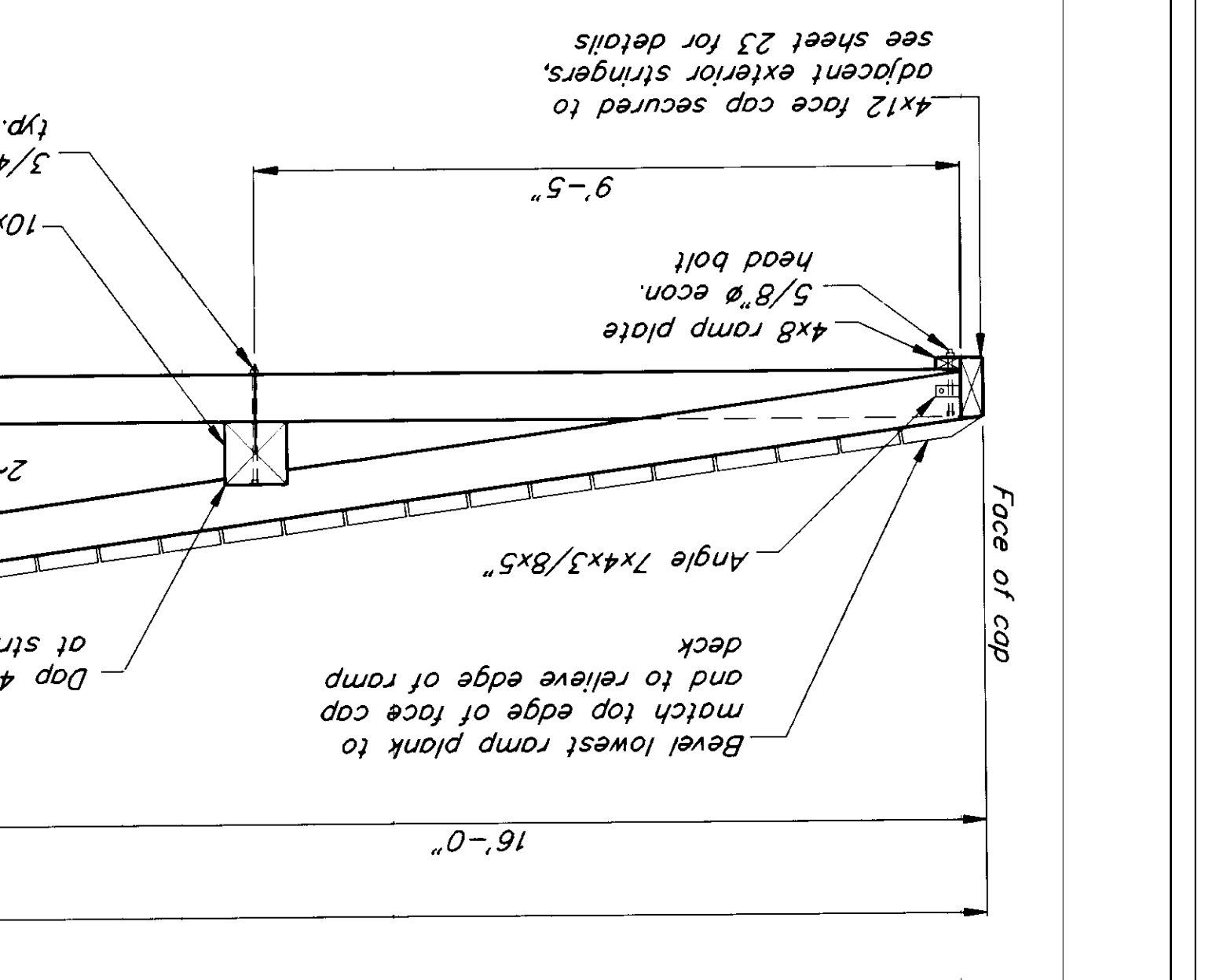
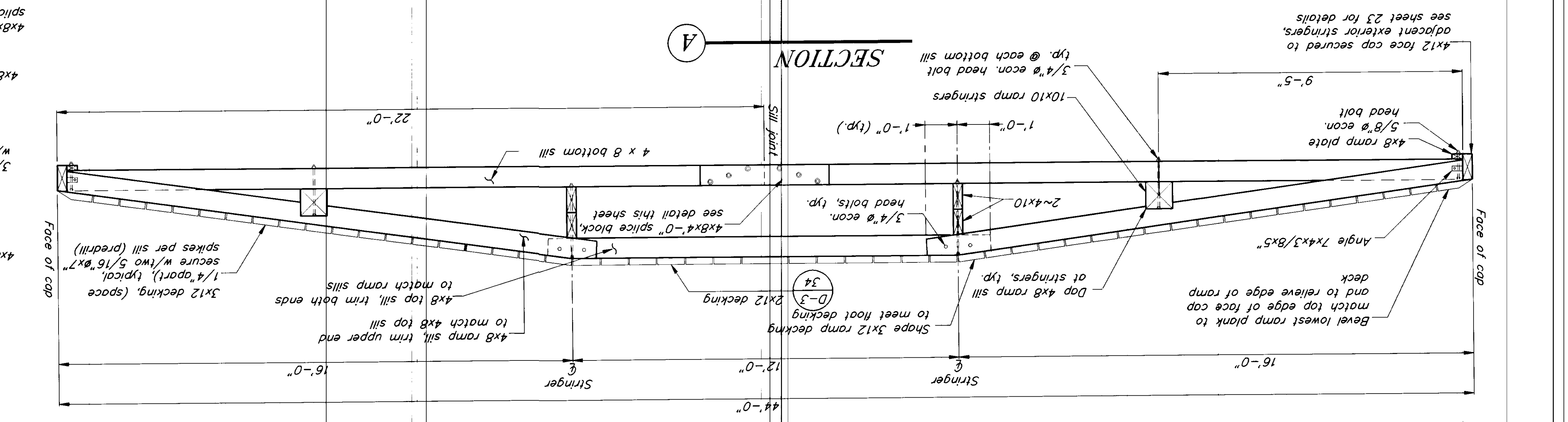
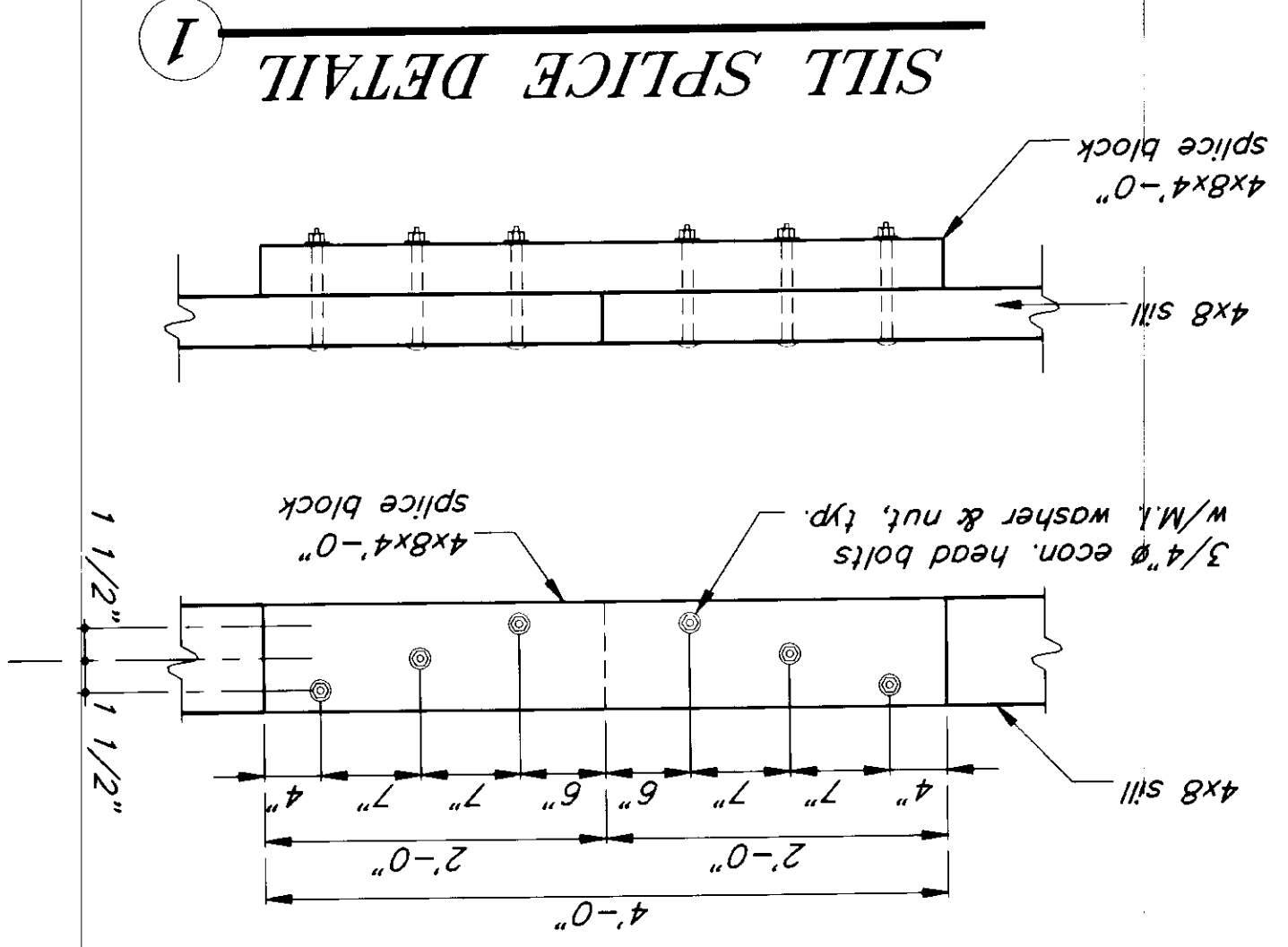
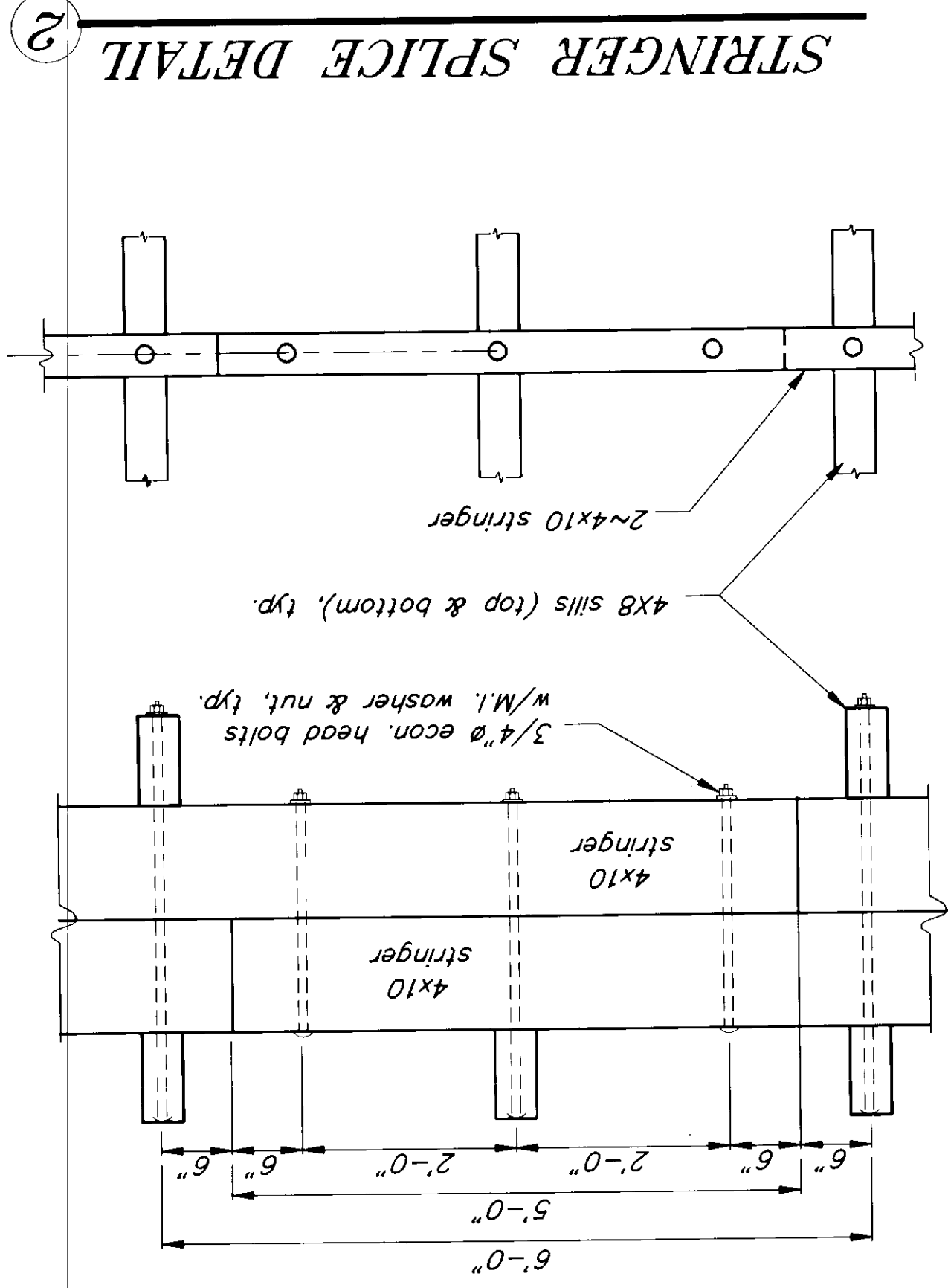
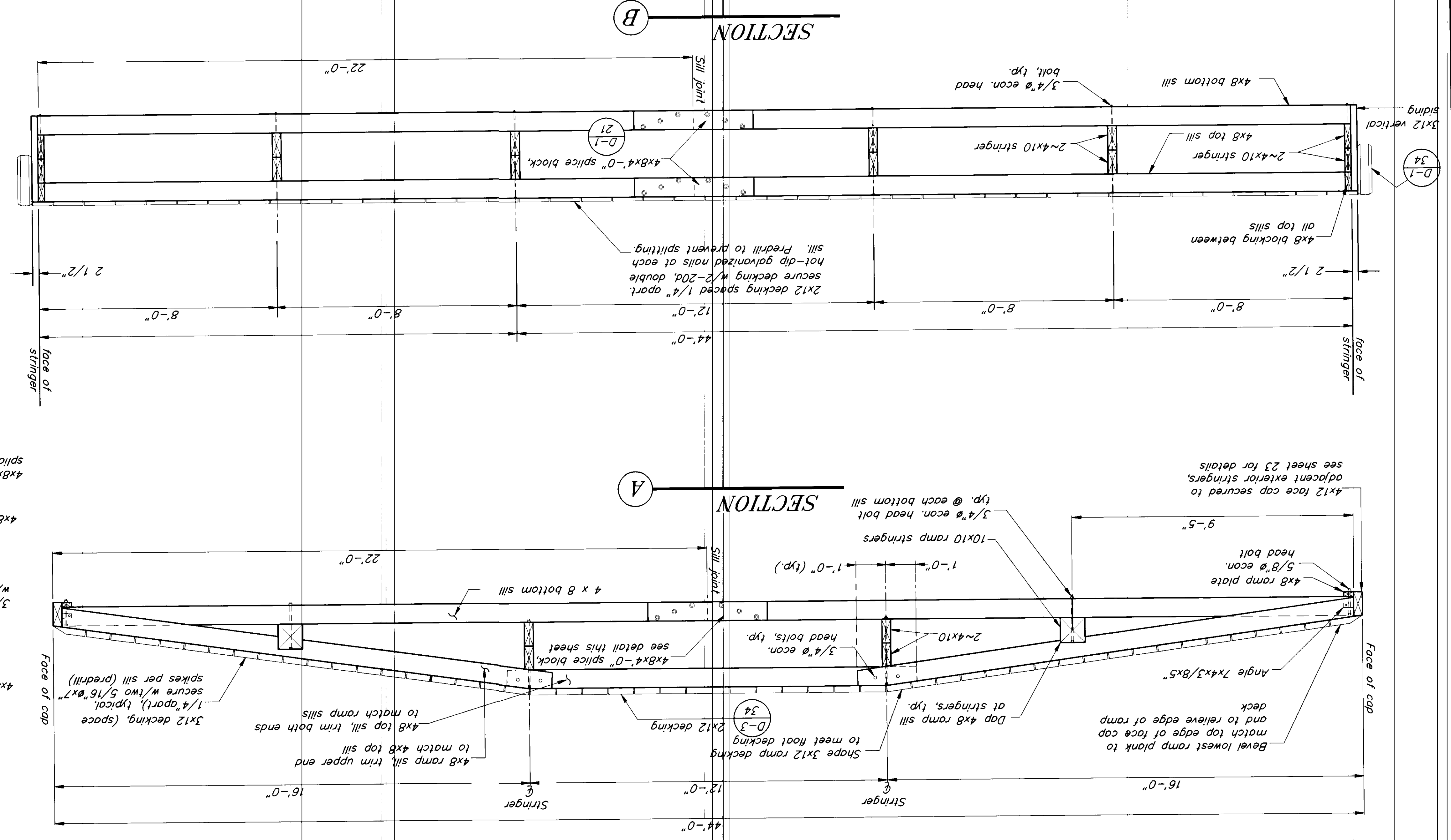
STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 SOUTHEAST REGION DESIGN & CONSTRUCTION

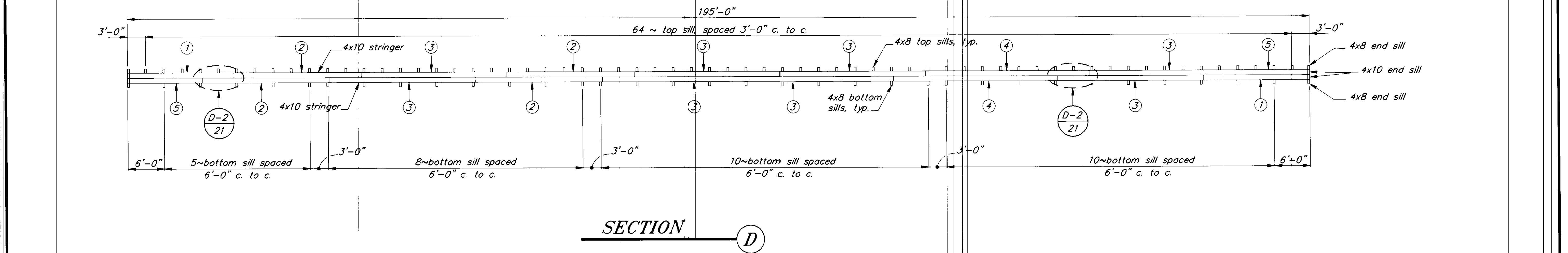
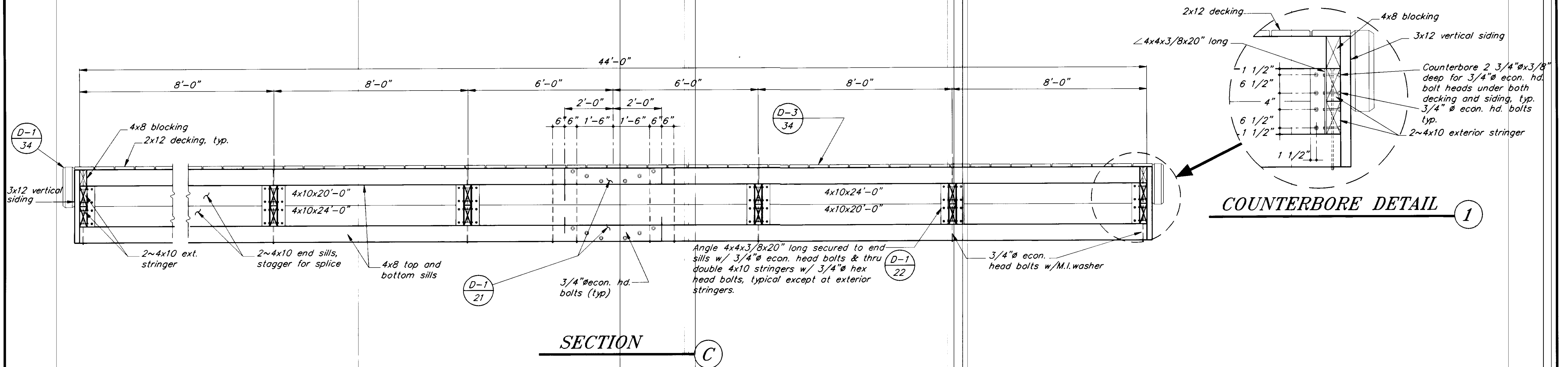
PETERSBURG  
 SEAPLANE FLOAT FACILITY  
 A.I.P. # 3-02-0304-01  
 RAMP FLOAT SECTIONS

ALASKA  
 DESIGNED BY: D.D.S.  
 DRAWN BY: B.W.B./C.S.A.  
 CHECKED BY: M.H.  
 PROJECT NO. 70641  
 DATE: AUGUST, 1994  
 SHEET 21 OF 42



NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS





STRINGER TABLE		
No.	SIZE	LENGTH
①	4x10	17'-2 1/2"
②	4x10	21'-0"
③	4x10	24'-0"
④	4x10	27'-0"
⑤	4x10	12'-2 1/2"

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

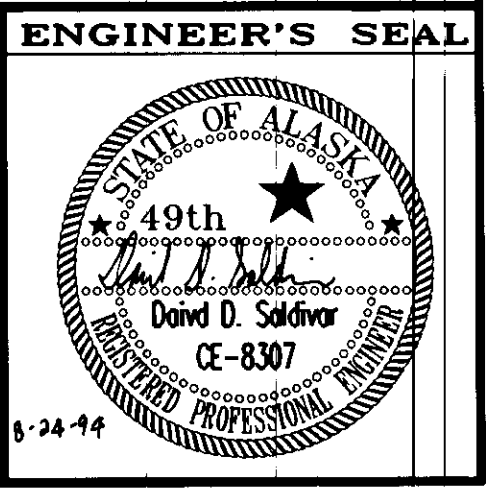
RECORD OF REVISIONS		
NO.	DATE	DESCRIPTION OF CHANGE

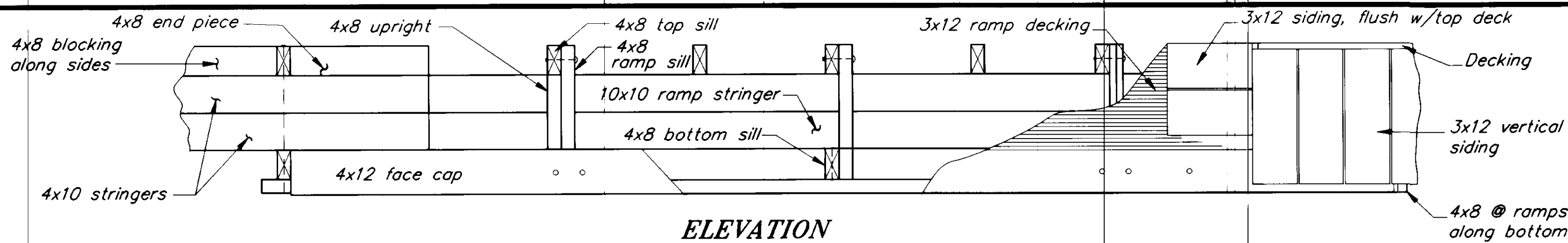
STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 SOUTHEAST REGION DESIGN & CONSTRUCTION

PETERSBURG ALASKA  
 SEAPLANE FLOAT FACILITY  
 A.I.P. # 3-02-0304-01  
 RAMP FLOAT SECTIONS

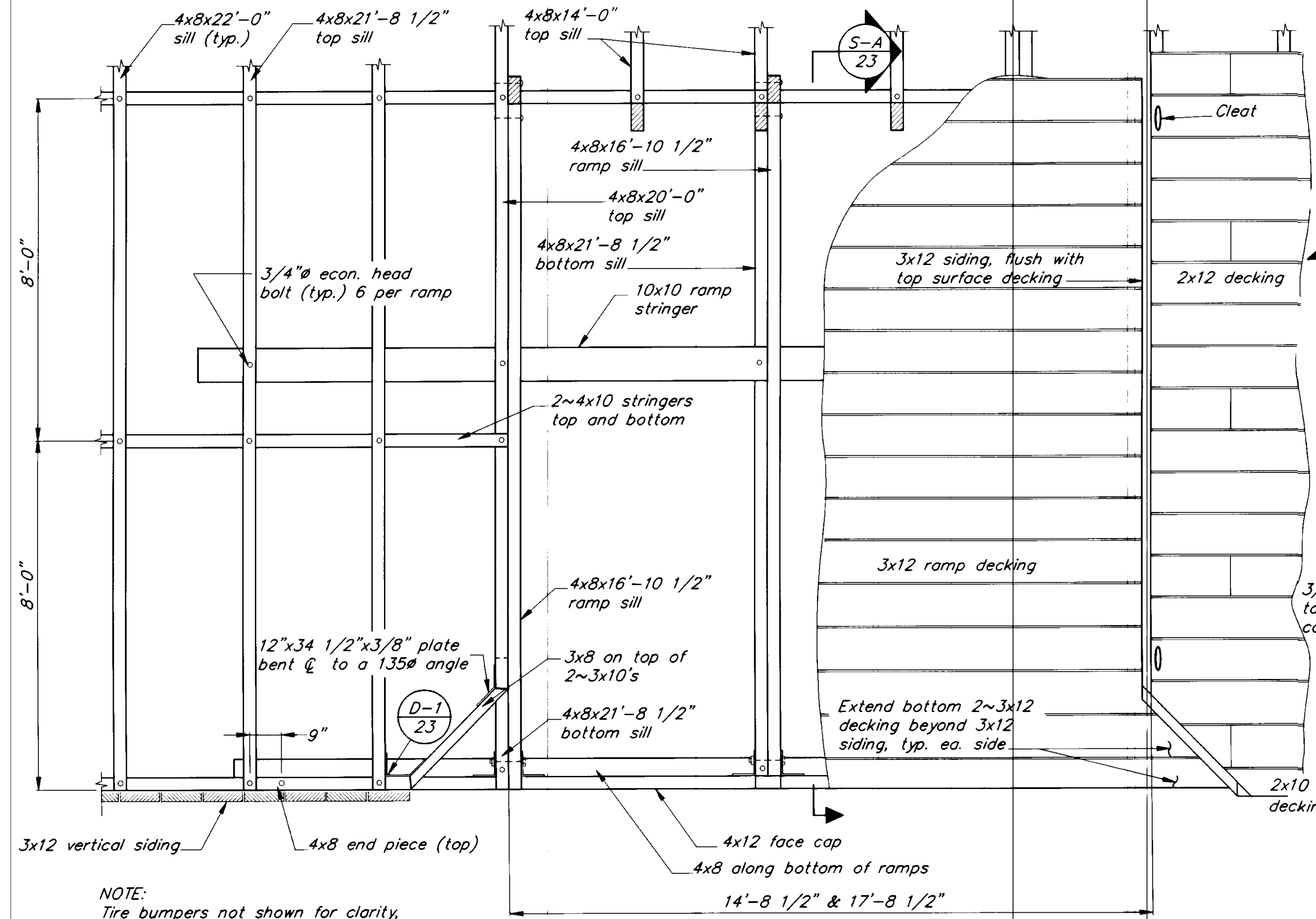
DESIGNED BY: D.D.S.  
 DRAWN BY: B.W.B.  
 CHECKED BY: M.H.

PROJECT NO. 70641  
 DATE: AUGUST, 1994  
 SHEET 22 OF 42

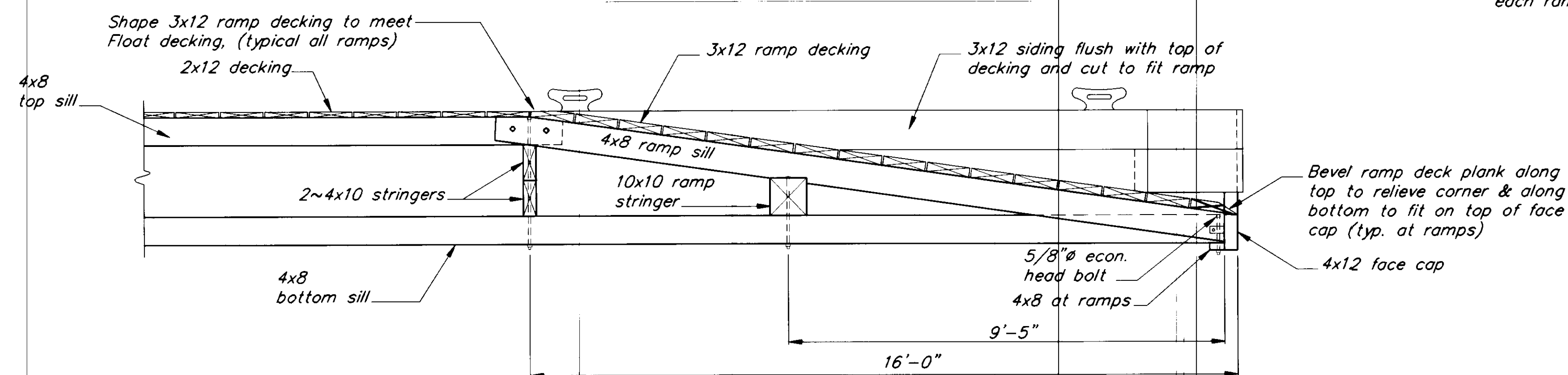




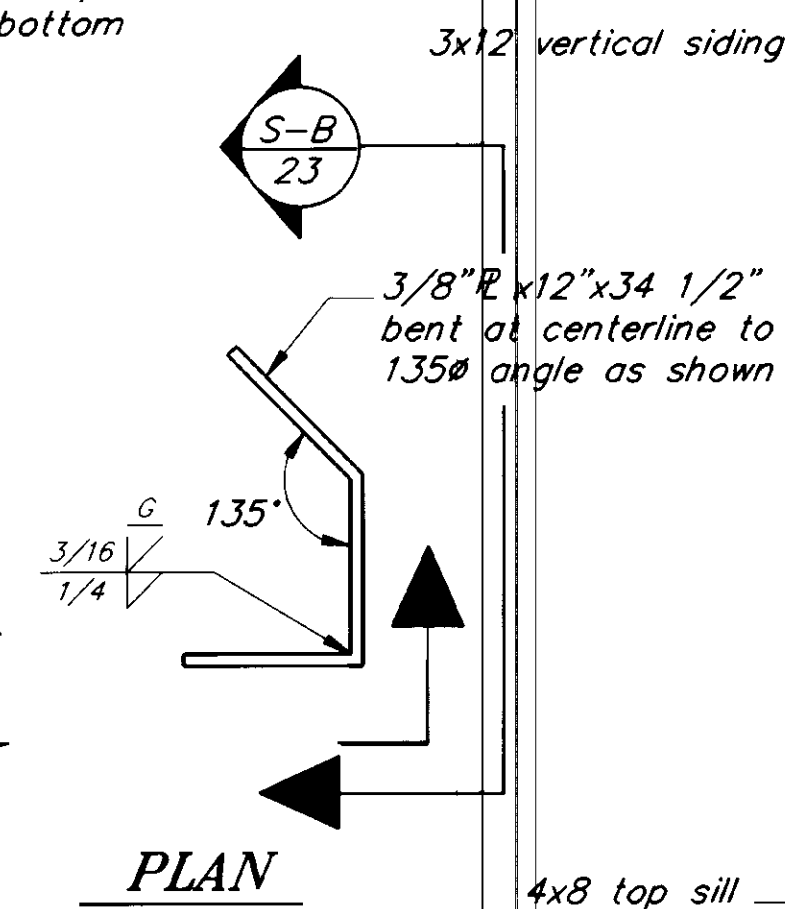
**ELEVATION**



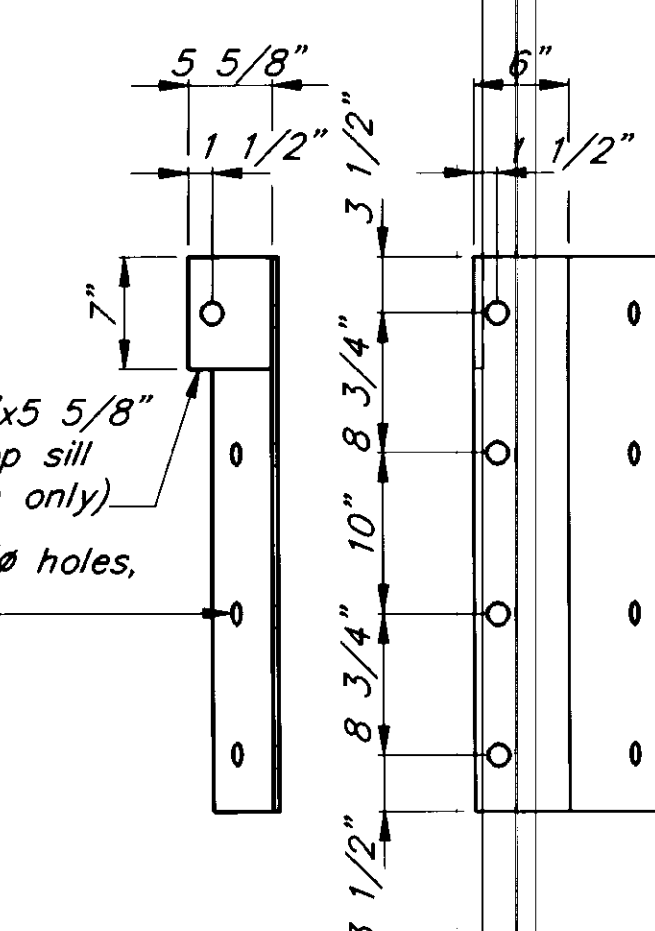
**TYPICAL RAMP FRAMING**



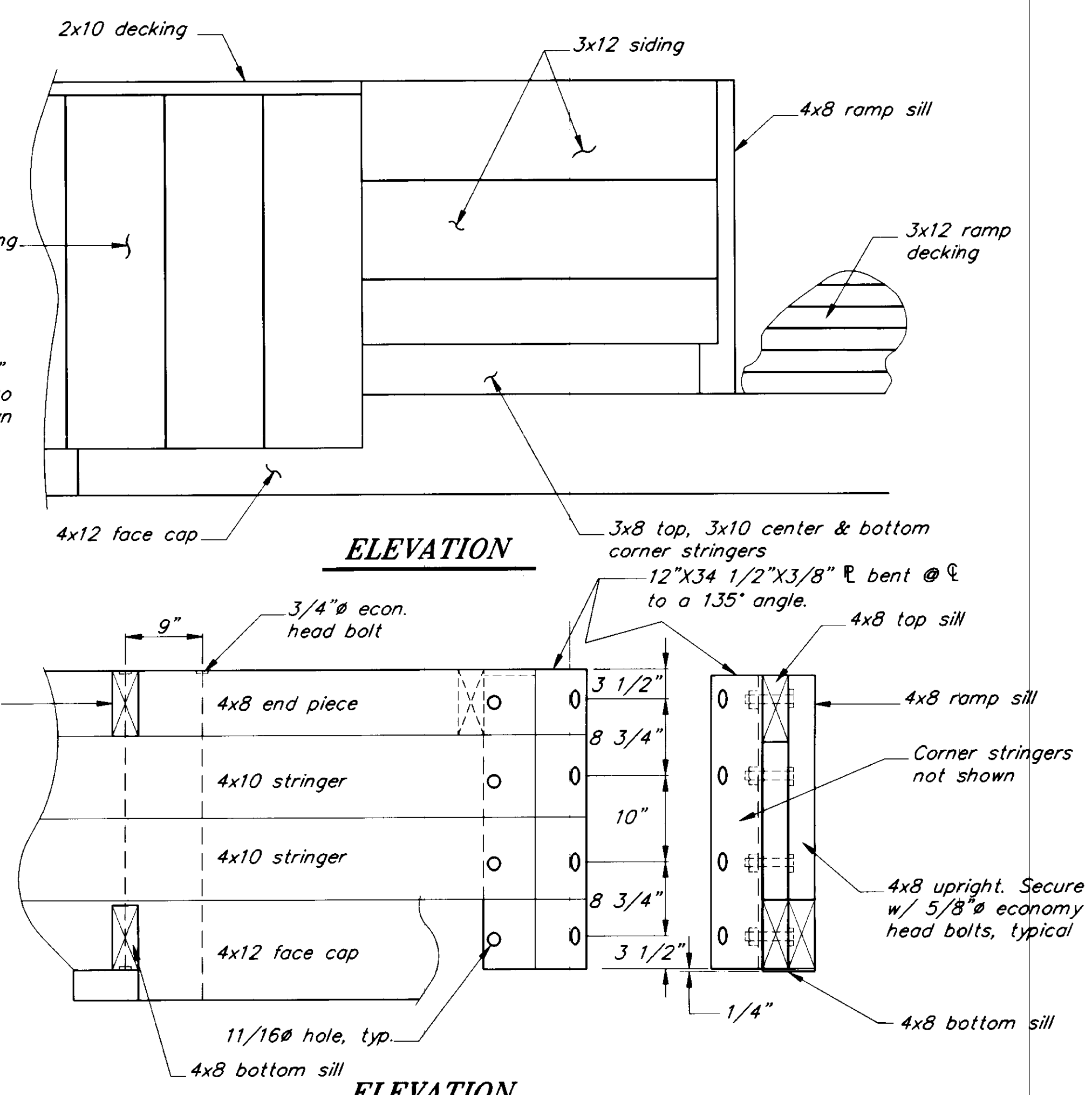
**SECTION A**



**SECTION B**



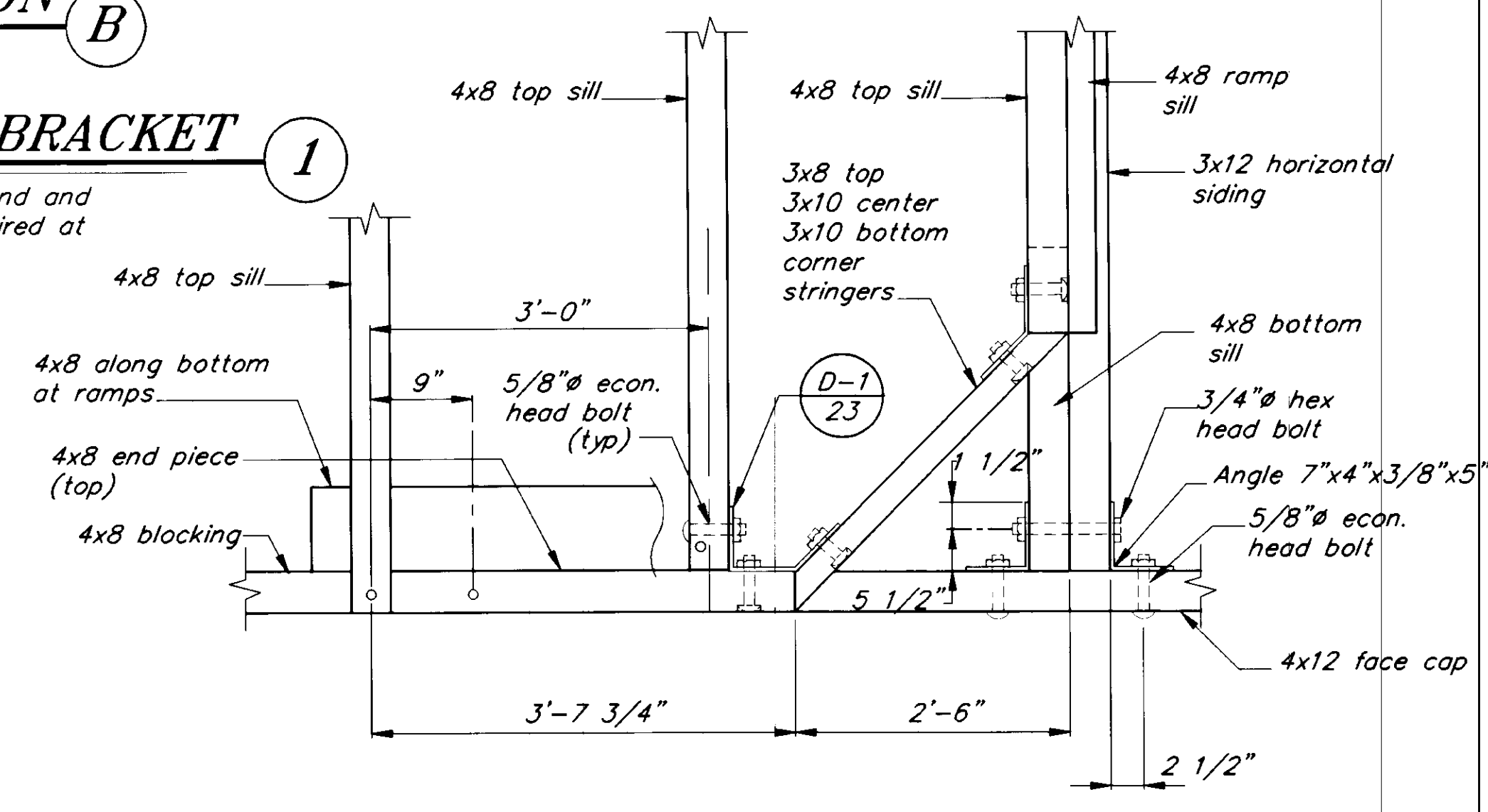
**SECTION C**



**ELEVATION**

**CORNER STRINGER BRACKET 1**

(One as shown, one opposite hand and two without 7"x5 5/8" tab required at each ramp.)



**TYPICAL CORNER FRAMING**

NOTE: Tire bumpers not shown for clarity, see sheet 20 for location.

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: P:\PSG\SEAFLT\DR\RAMPFLT4.dwg	< 1=24 >	1/2"=1'-0"
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

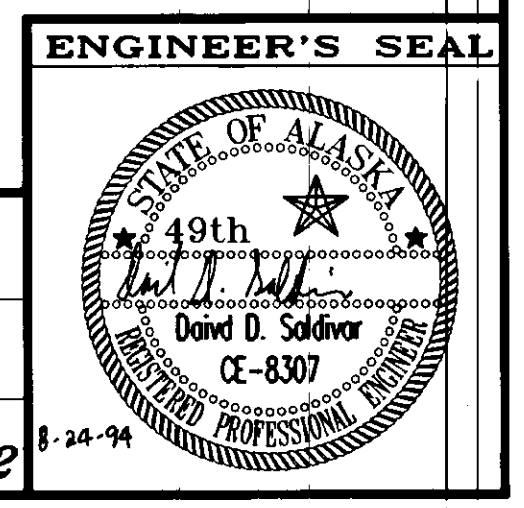
STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 SOUTHEAST REGION DESIGN & CONSTRUCTION

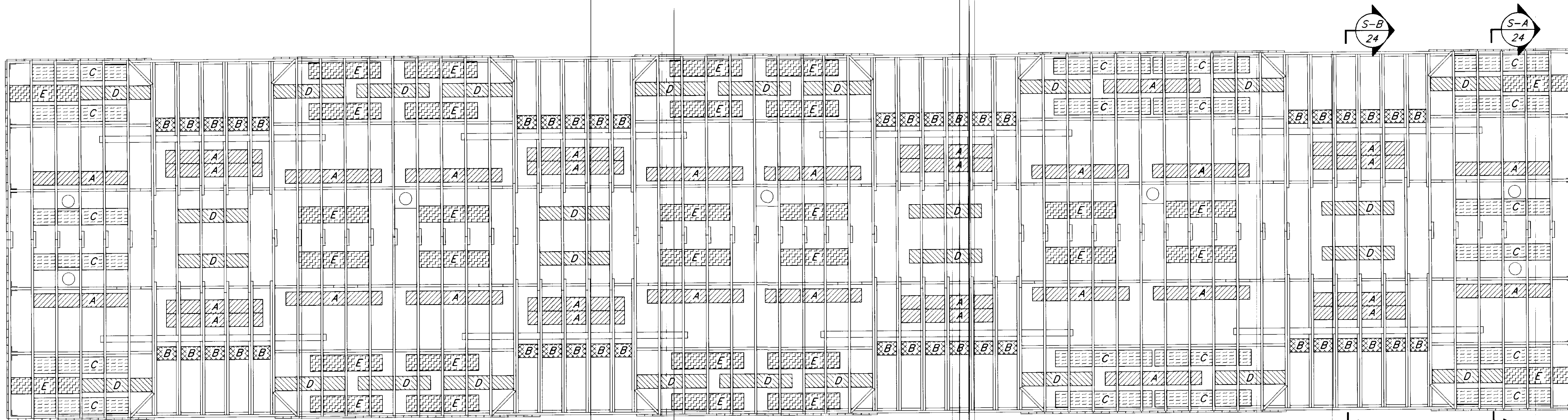
PETERSBURG  
 SEAPLANE FLOAT FACILITY  
 A.I.P. # 3-02-0304-01  
 RAMP FRAMING DETAILS

ALASKA

DESIGNED BY: D.D.S.  
 DRAWN BY: B.W.B./C.S.A.  
 CHECKED BY: M.H.

PROJECT NO. 70641  
 DATE: AUGUST, 1994  
 SHEET 23 OF 42

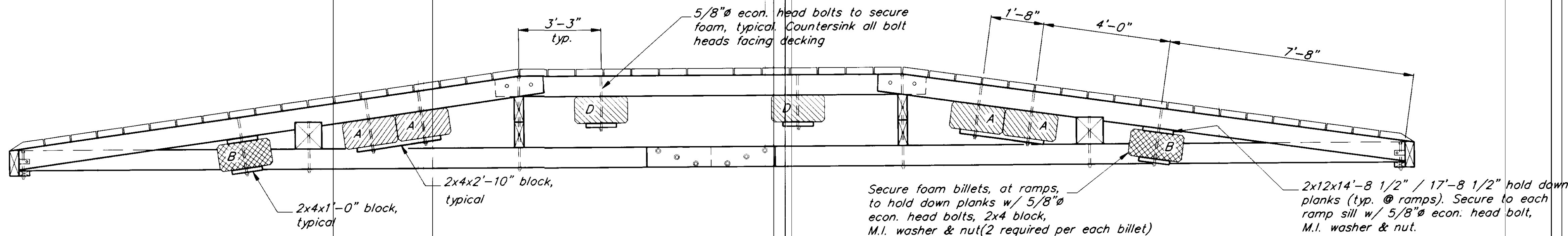




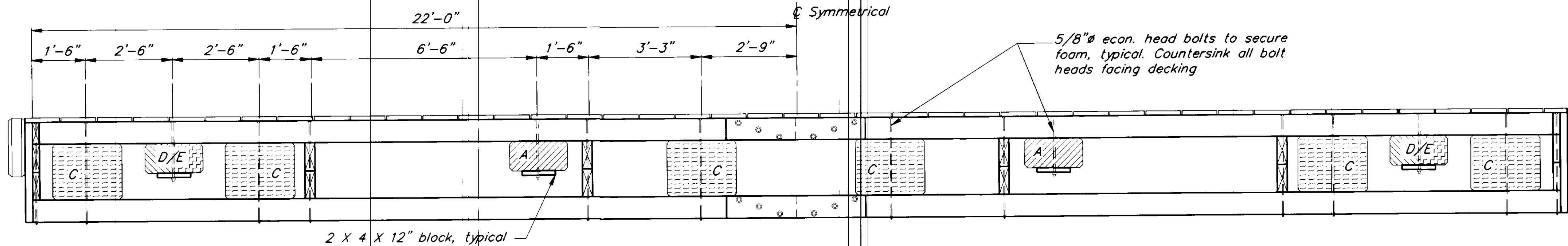
**FLOTATION PLAN**

**FOAM FLOTATION SCHEDULE**

- A** 20"x12'-0"x10" deep (34 required)
- B** 20"x2'-6"x10" deep (44 required)
- C** 24"x12'-0"x20" deep (20 required)
- D** 20"x9'-0"x10" deep (28 required)
- E** 24"x9'-0"x20" deep (32 required)



**SECTION B**



**SECTION A**

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: P:\PSG\SEAFLT\DR\RAMPFLT3.dwg < 1=24 > 1/2"=1'-0"		
BY:	DATE:	DESCRIPTION OF CHANGE:
<b>RECORD OF REVISIONS</b>		

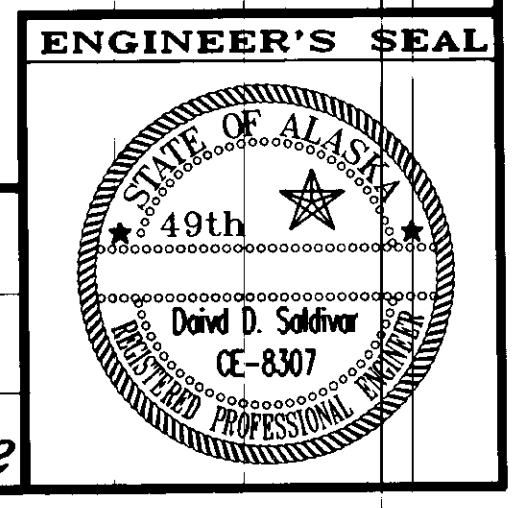
STATE OF ALASKA  
**DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES**  
 SOUTHEAST REGION DESIGN & CONSTRUCTION

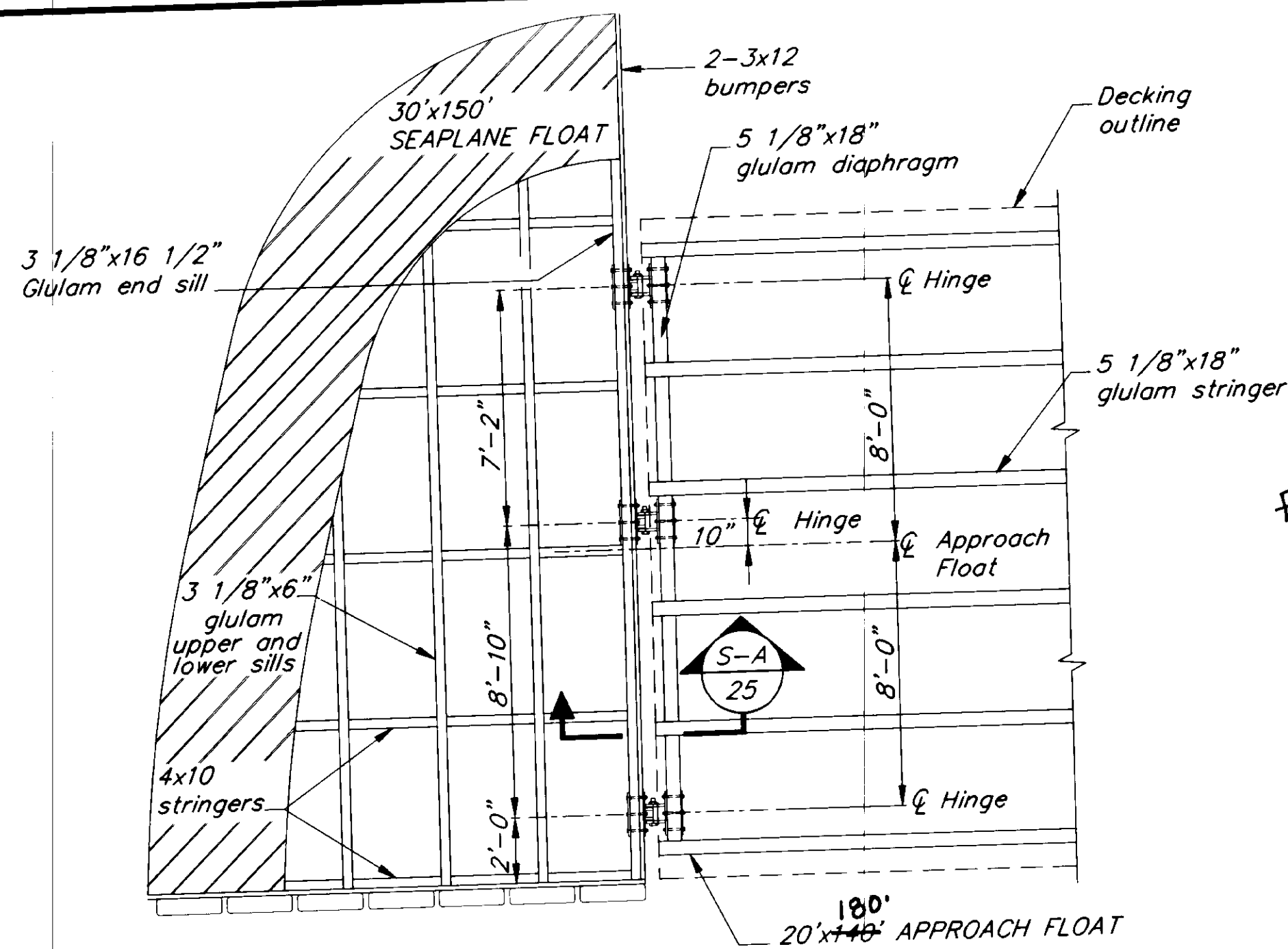
PETERSBURG  
**SEAPLANE FLOAT FACILITY**  
 A.I.P. # 3-02-0304-01  
**RAMP FLOAT FLOTATION**

ALASKA

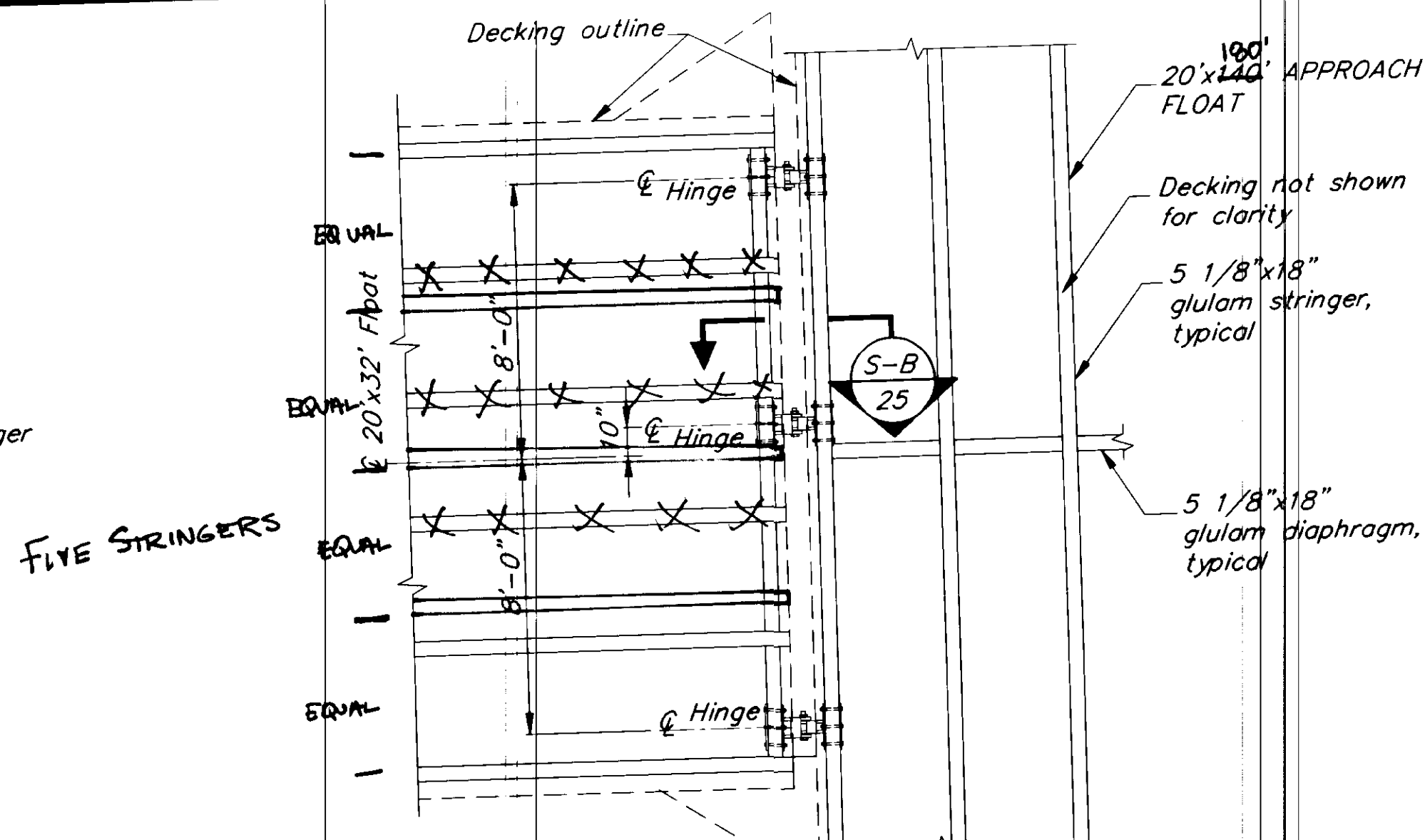
DESIGNED BY:  
D.D.S.  
 DRAWN BY:  
B.W.B./C.S.A.  
 CHECKED BY:  
M.H.

PROJECT NO.  
70641  
 DATE:  
AUGUST, 1994  
 SHEET 24 OF 42

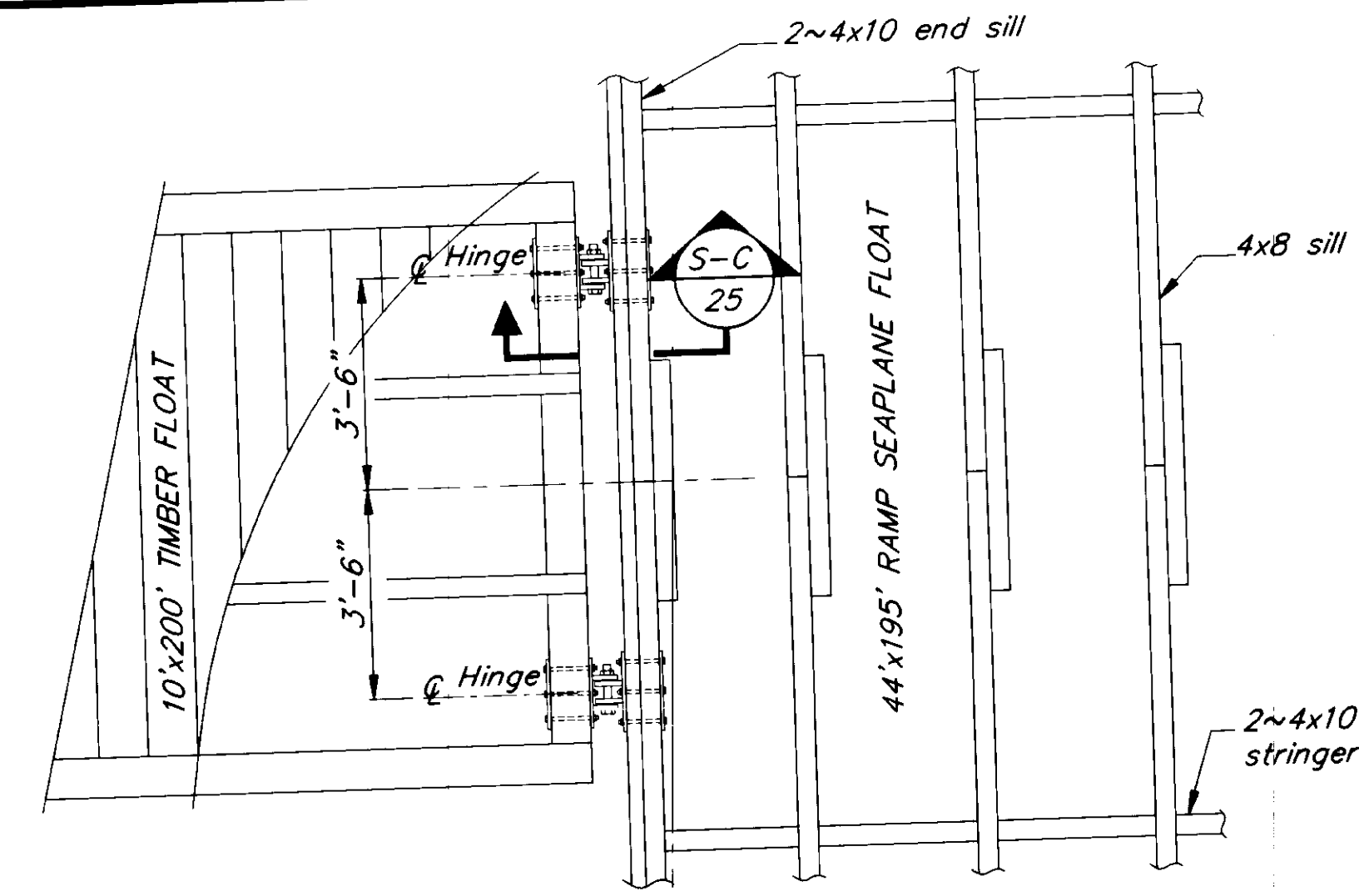




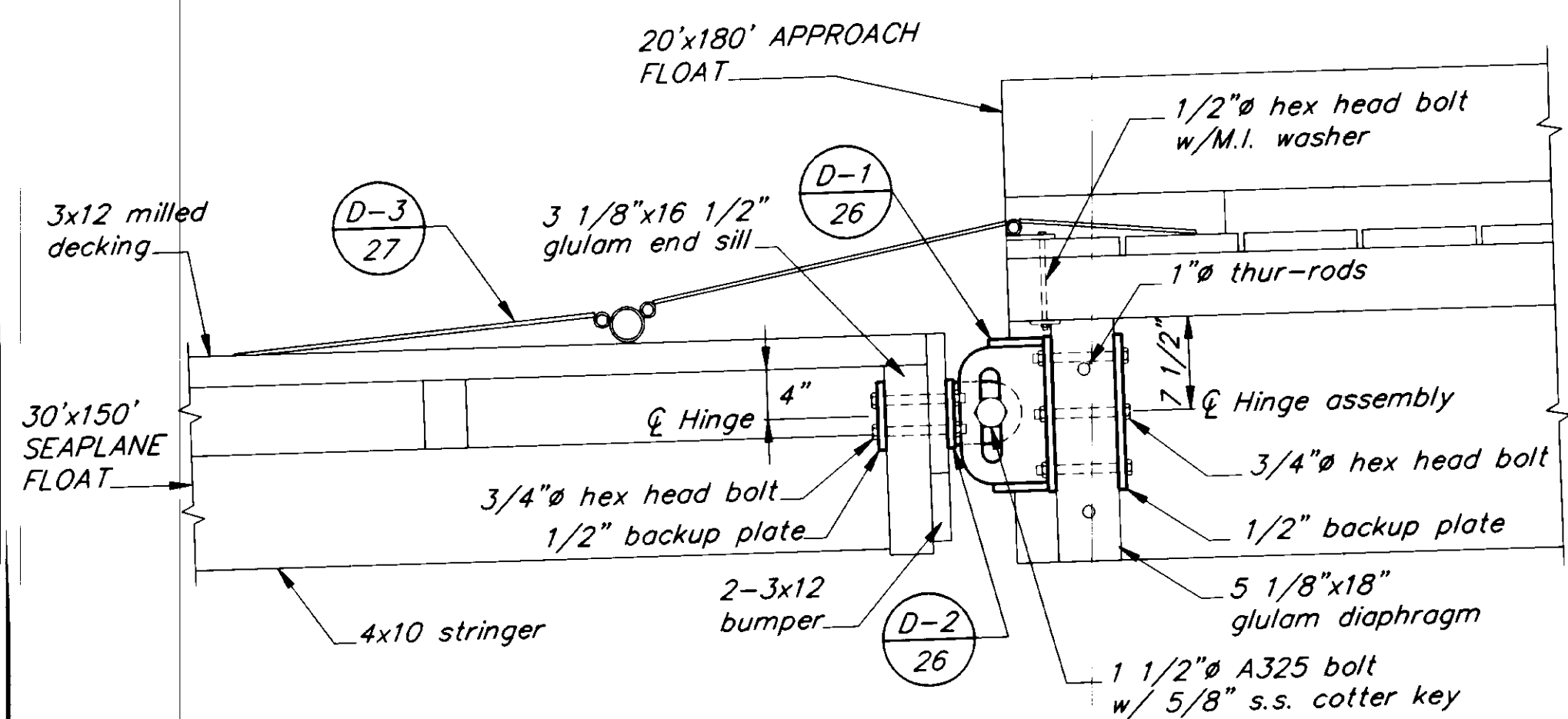
**HINGE ASSEMBLY DETAIL 1**



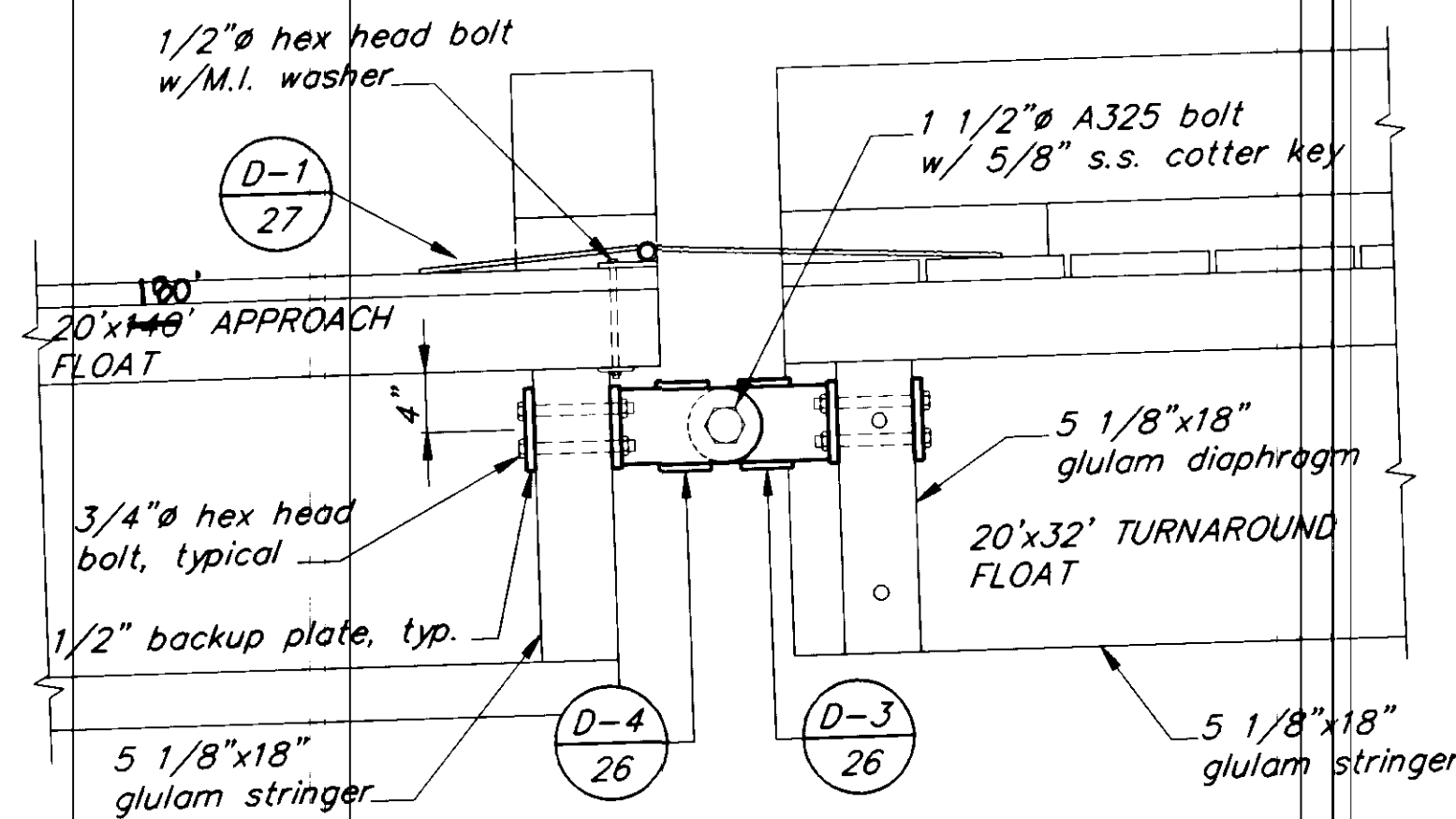
**HINGE ASSEMBLY DETAIL 2**



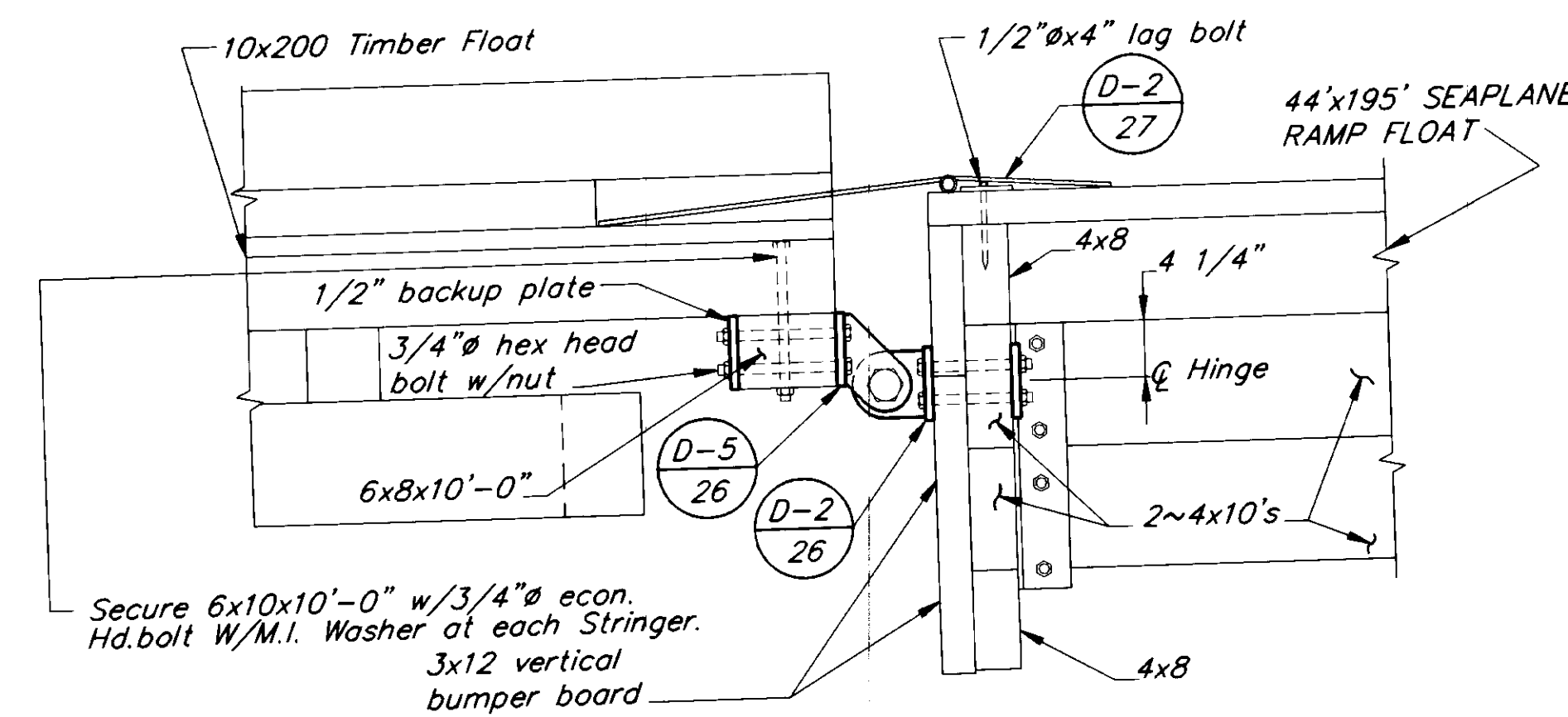
**HINGE ASSEMBLY DETAIL 3**



**SECTION A**

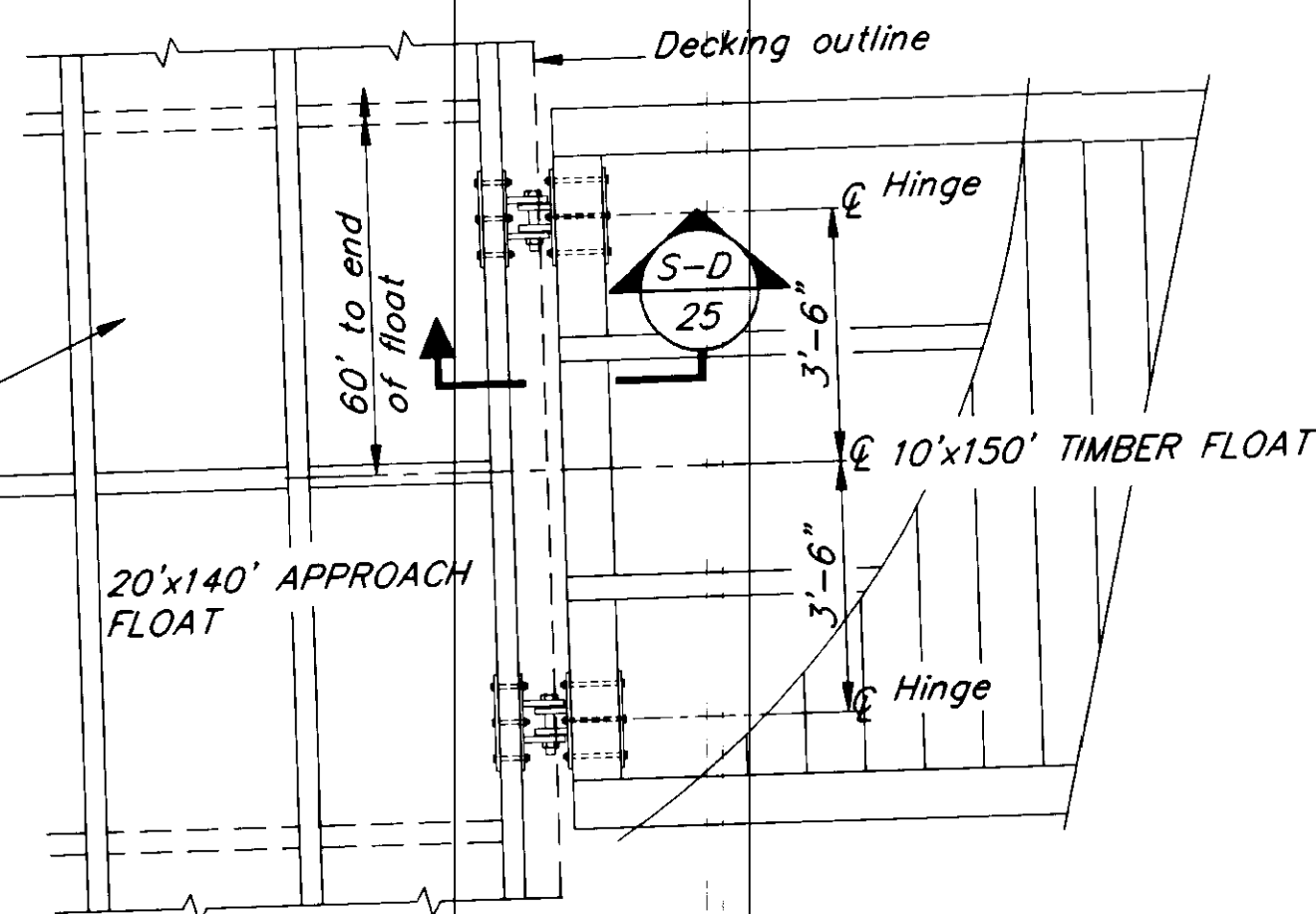


**SECTION B**

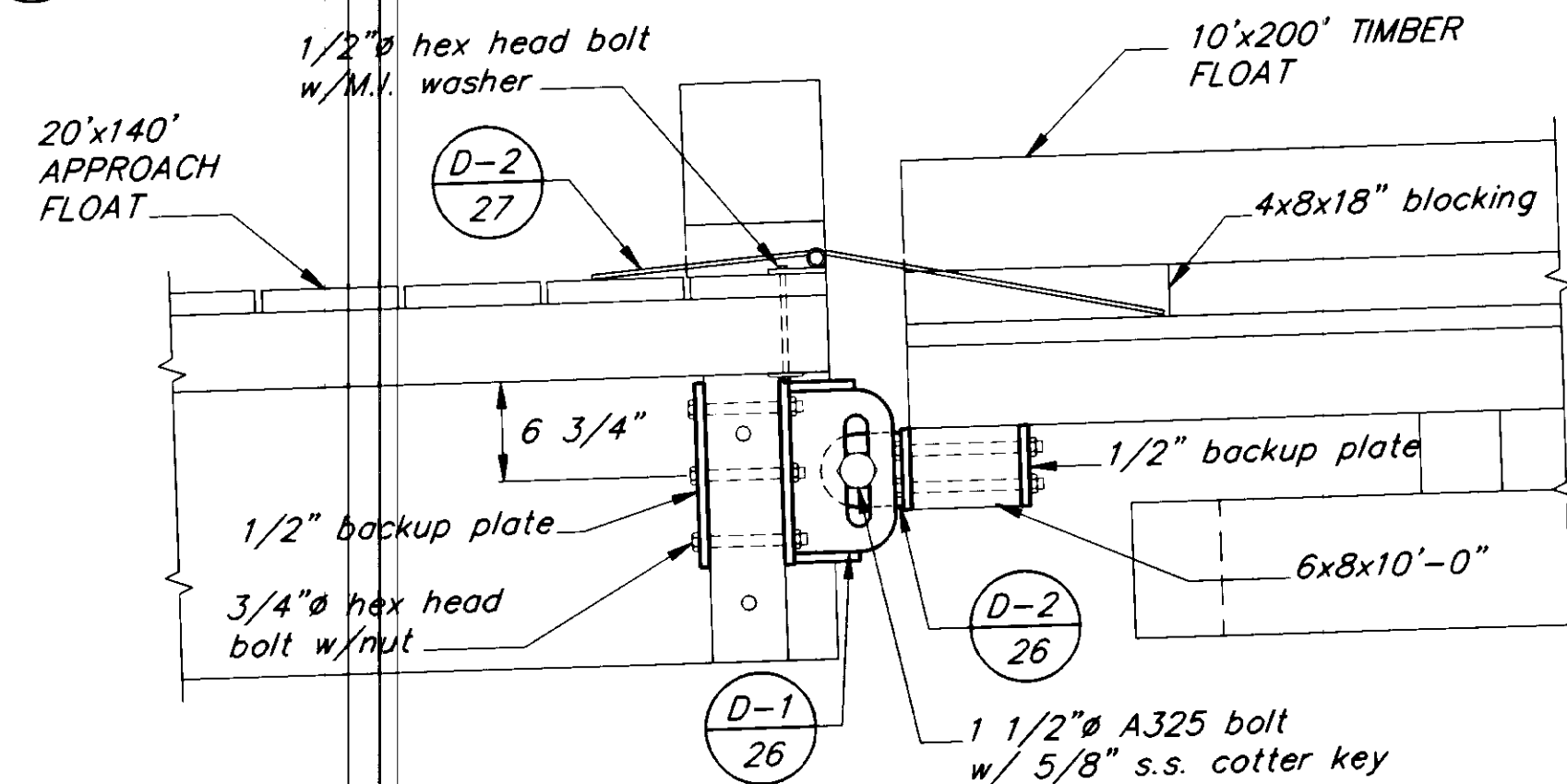


**SECTION C**

NOTE: Hinge connections between 10x200' Timber Float and 44x195' Ramp Seaplane Float are not required if additive alternate no. 1 is not awarded.



**HINGE ASSEMBLY DETAIL 4**



**SECTION D**

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH:	P:\PSG\SEAFLT\DR\FLTCONN2.dwg	< 1=24 >	1/2"=1'-0"
BY:		DESCRIPTION OF CHANGE:	
DATE:			

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

PETERSBURG

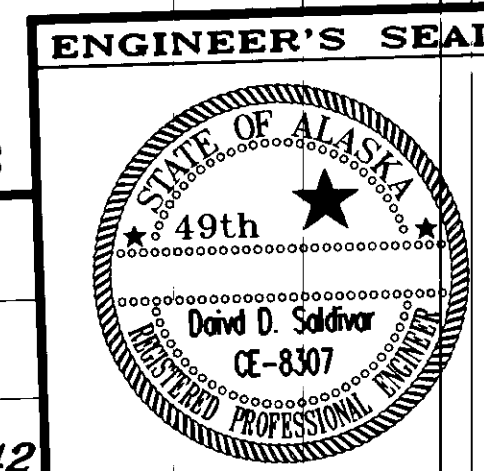
SEAPLANE FLOAT FACILITY  
A.I.P. # 3-02-0304-01

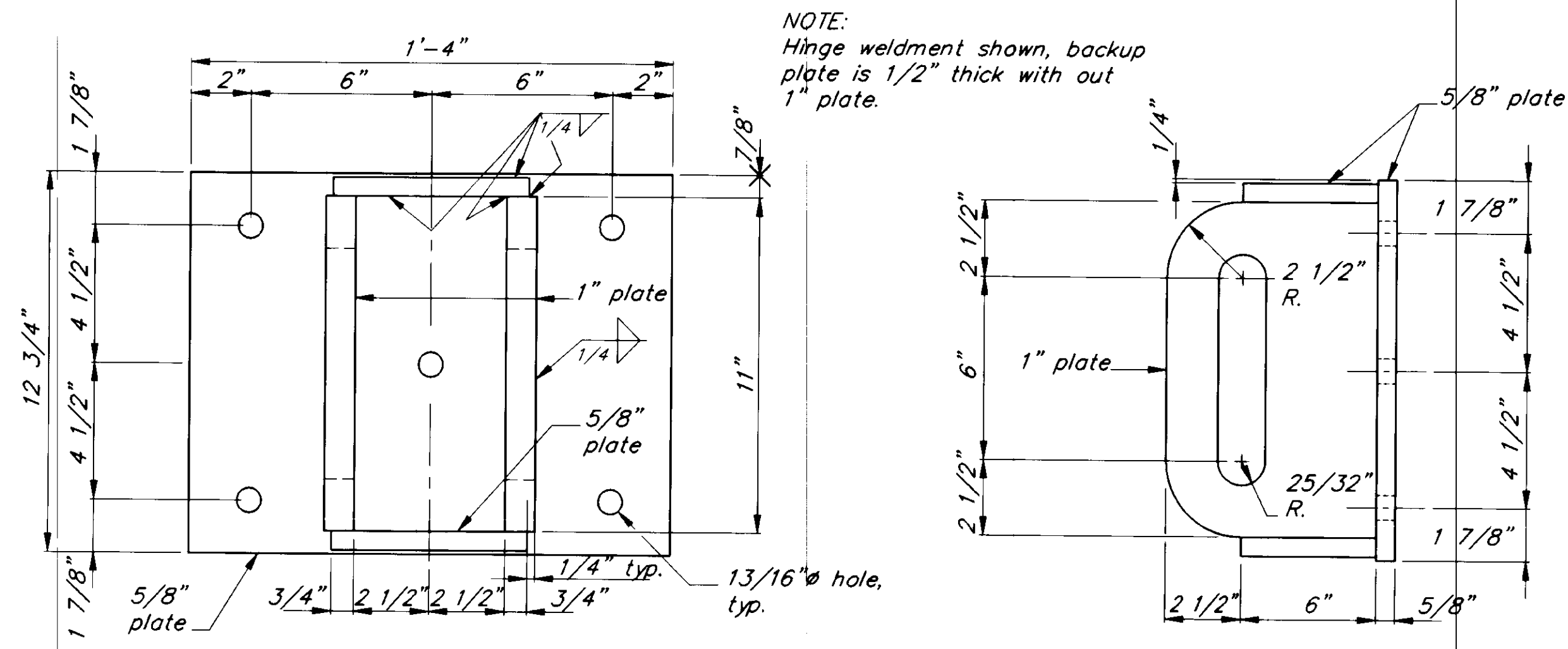
FLOAT CONNECTION DETAILS

ALASKA

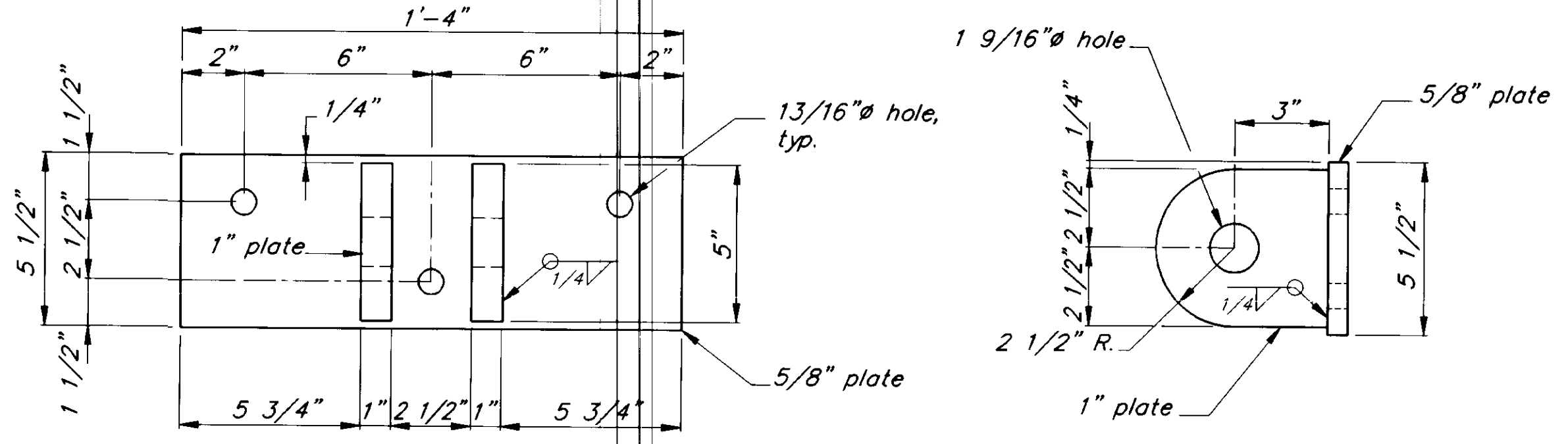
DESIGNED BY: D.D.S.  
DRAWN BY: B.W.B.  
CHECKED BY: M.H.

PROJECT NO. 70641  
DATE: AUGUST, 1994  
SHEET 25 OF 42

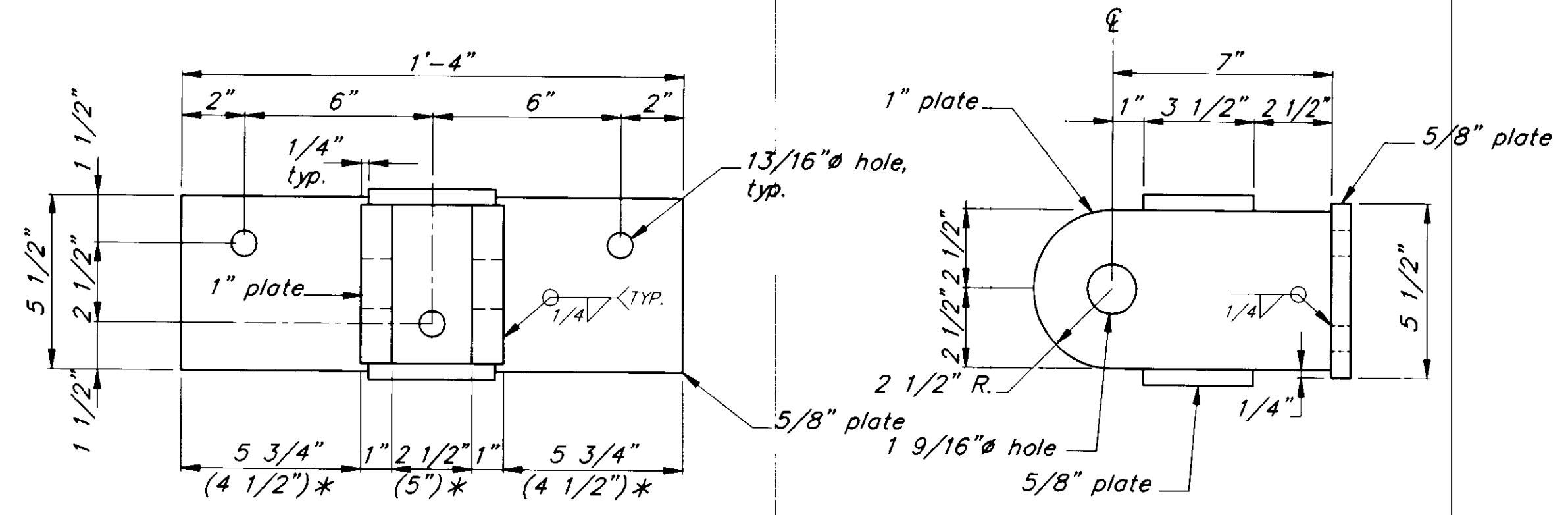




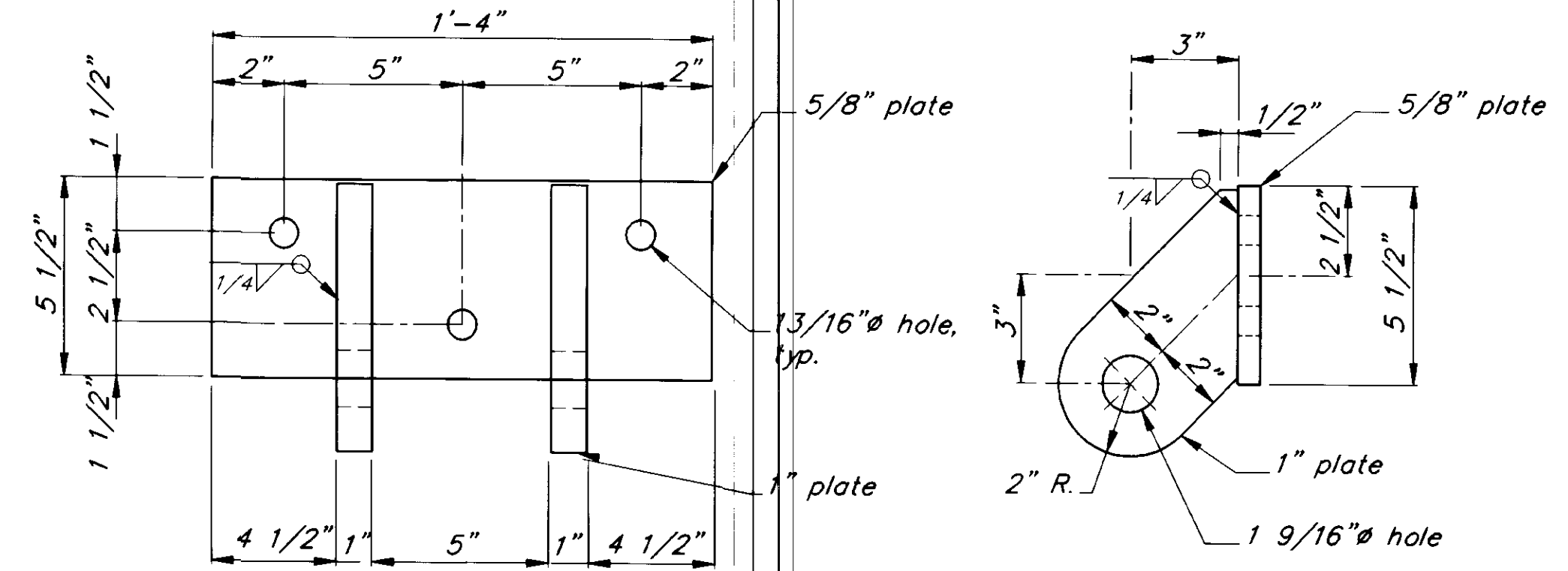
**PROFILE**  
**ELEVATION**  
**HINGE WELDMENT DETAIL 1**



**PROFILE**  
**ELEVATION**  
**HINGE WELDMENT DETAIL 2**



**PROFILE**  
**ELEVATION**  
**HINGE WELDMENT DETAIL 3 & 4**



**PROFILE**  
**ELEVATION**  
**HINGE WELDMENT DETAIL 5**

PATH: P:\PSG\SEAFLT\DR\FLTCONN1.dwg < 1=4 > 3"-1'-0"		
BY:	DATE:	DESCRIPTION OF CHANGE:
<b>RECORD OF REVISIONS</b>		

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

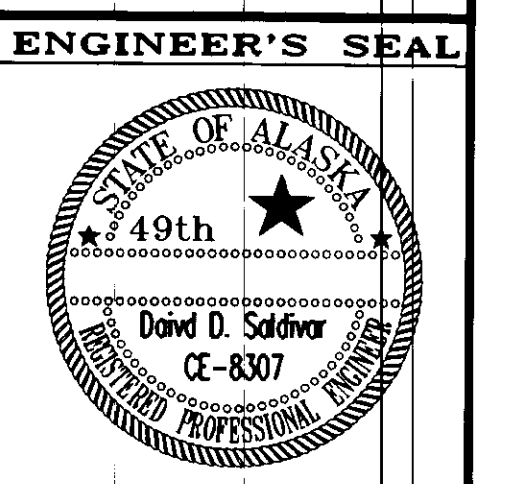
PETERSBURG

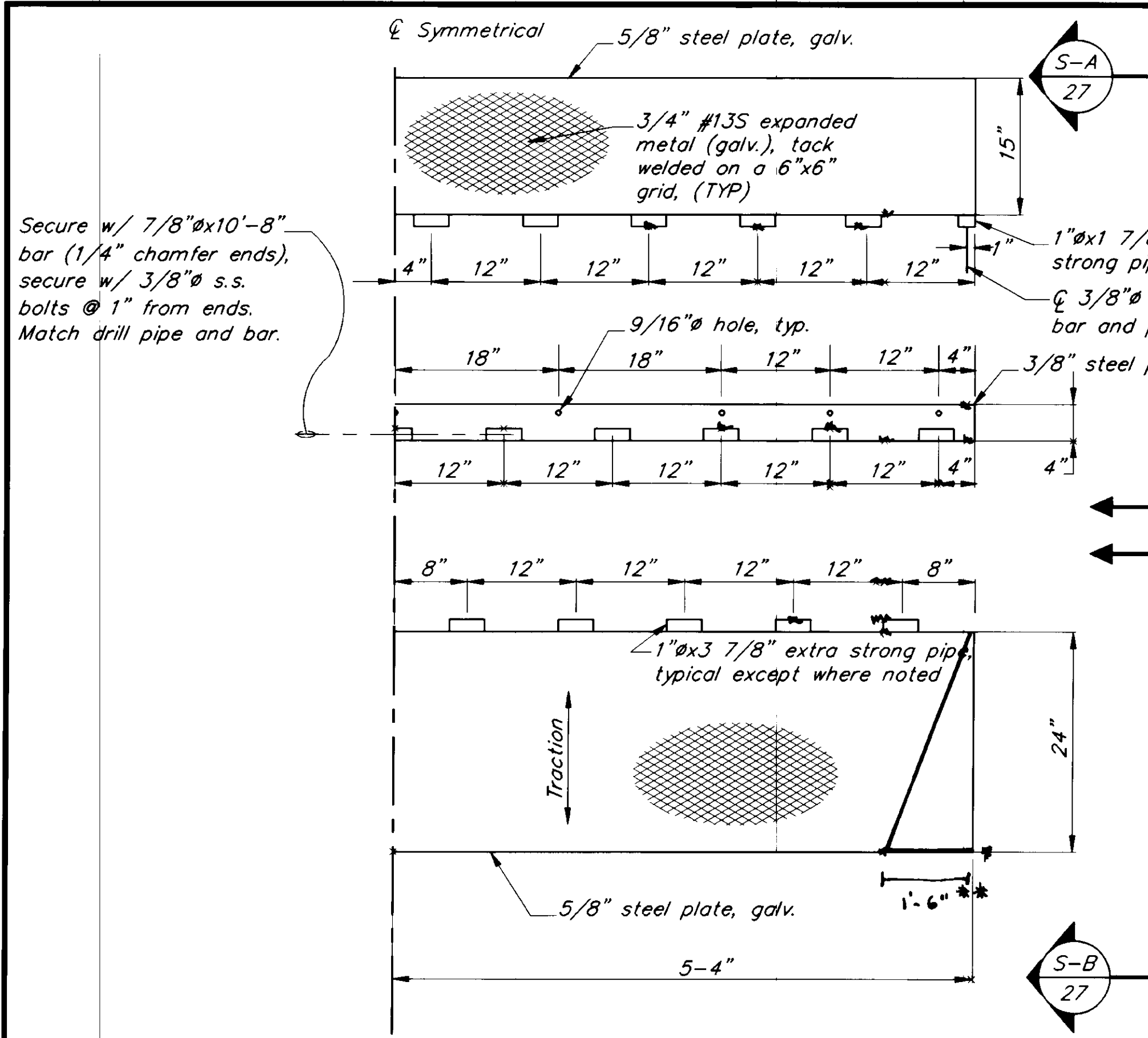
SEAPLANE FLOAT FACILITY  
A.I.P. # 3-02-0304-01  
**HINGE WELDMENT DETAILS**

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

ALASKA  
DESIGNED BY: D.D.S.  
DRAWN BY: B.W.B.  
CHECKED BY: M.H.

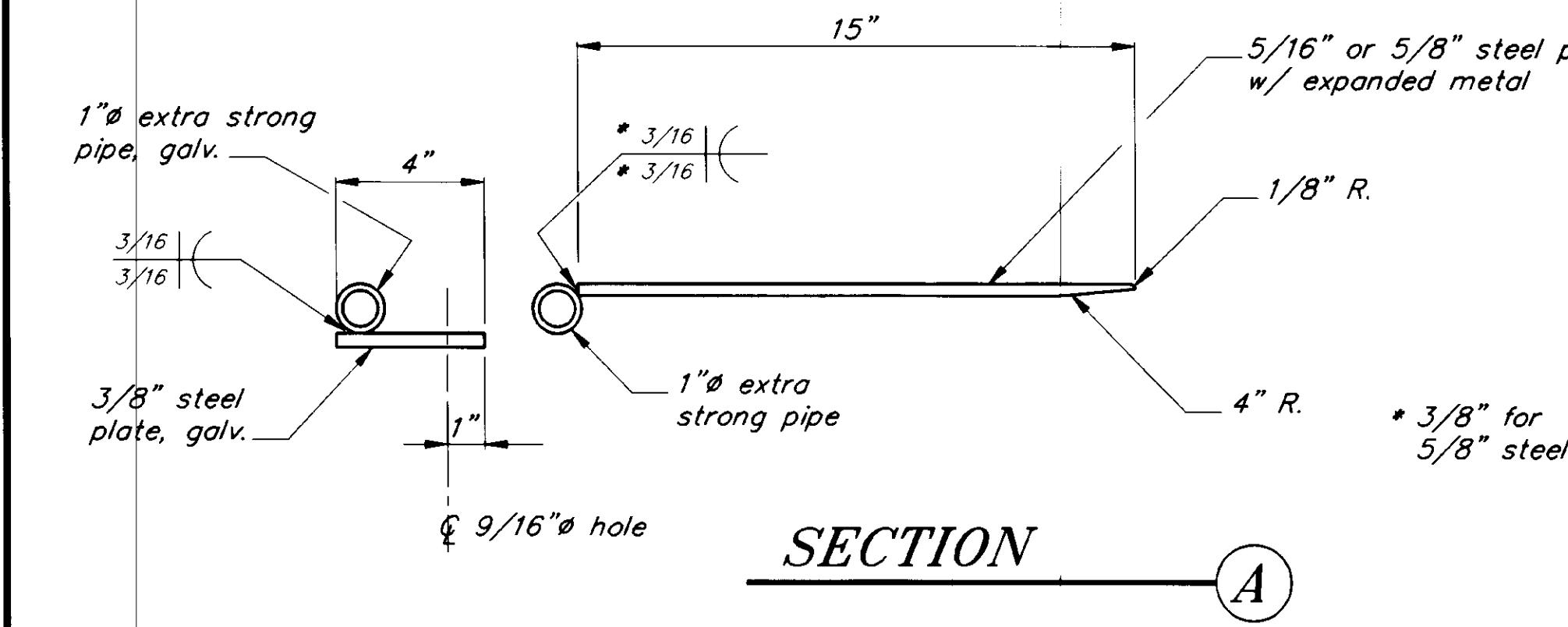
PROJECT NO. 70641  
DATE: AUGUST, 1994  
SHEET 26 OF 42



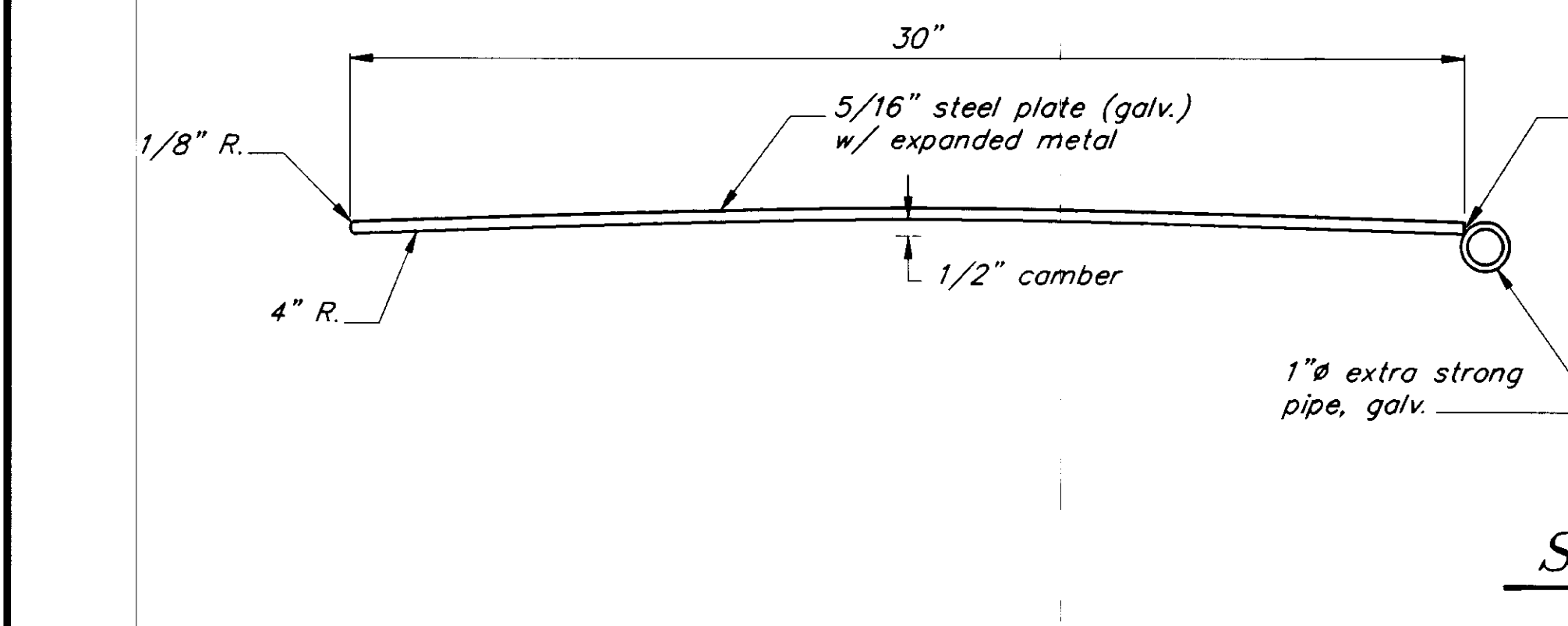


**TRANSITION PLATE DETAIL 1**

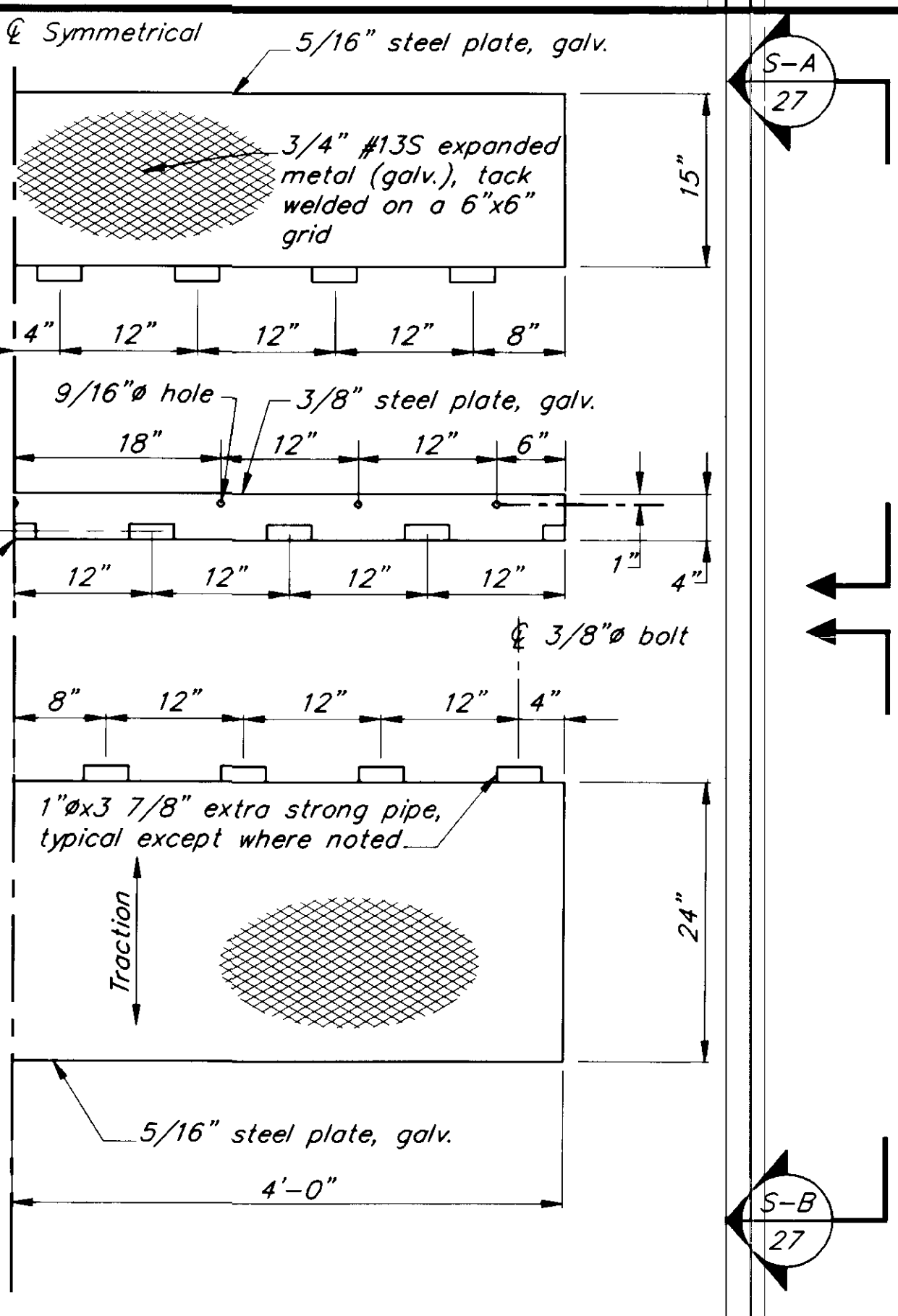
2+ Required  
 \*\* ONE END ONLY. OPPOSITE HAND ON SECOND SET



**SECTION A**

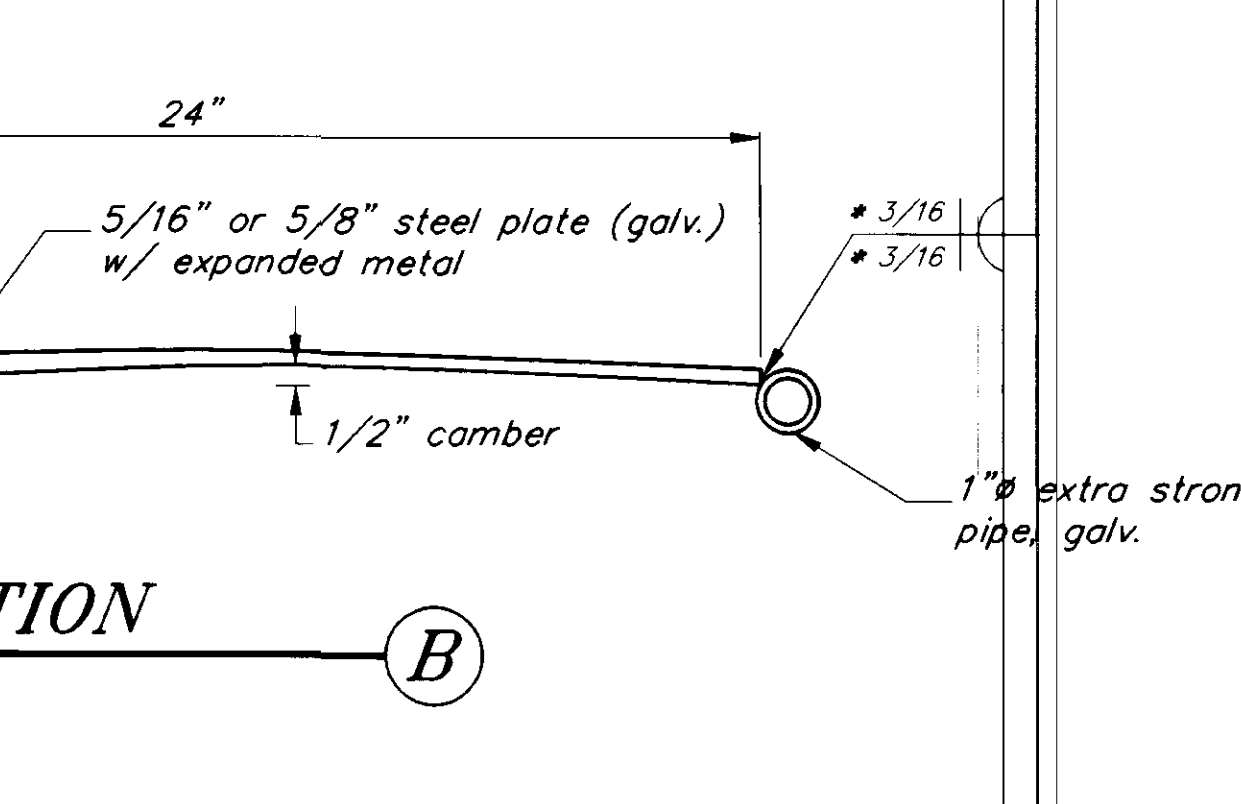


**SECTION B**

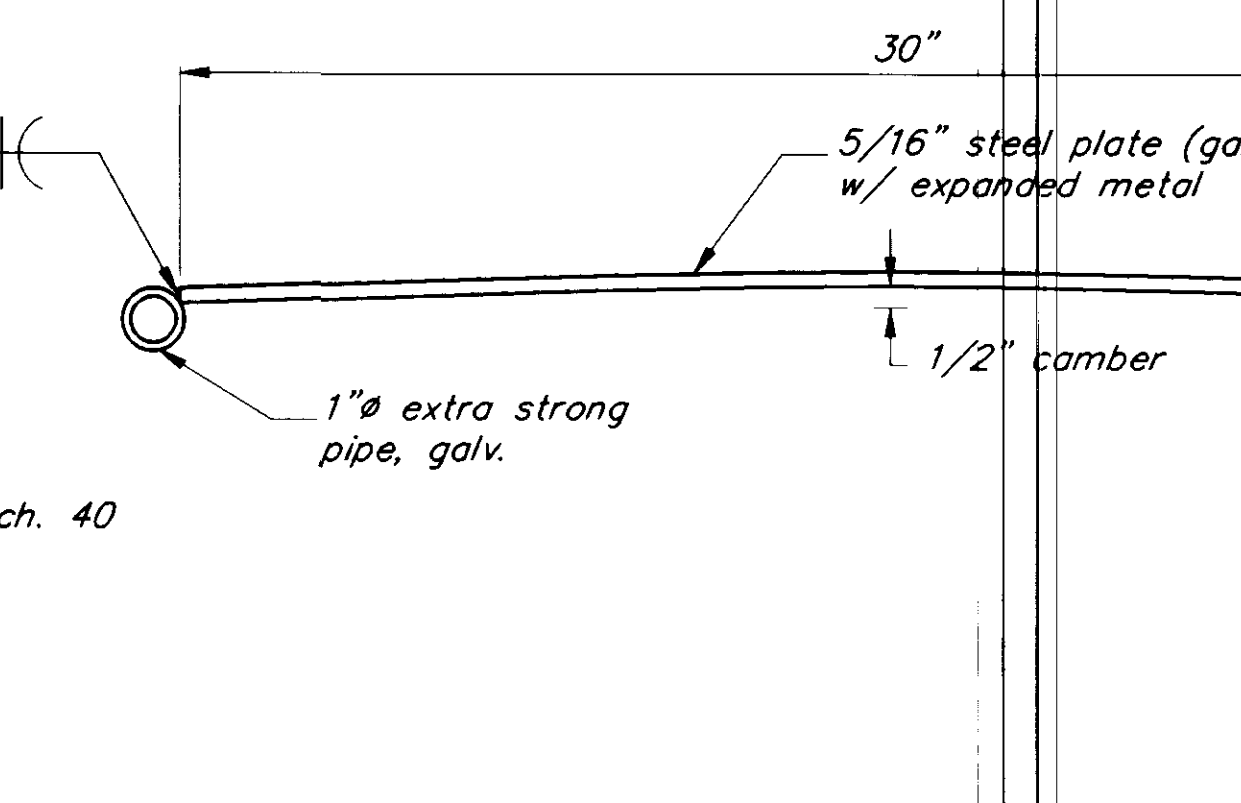


**TRANSITION PLATE DETAIL 2**

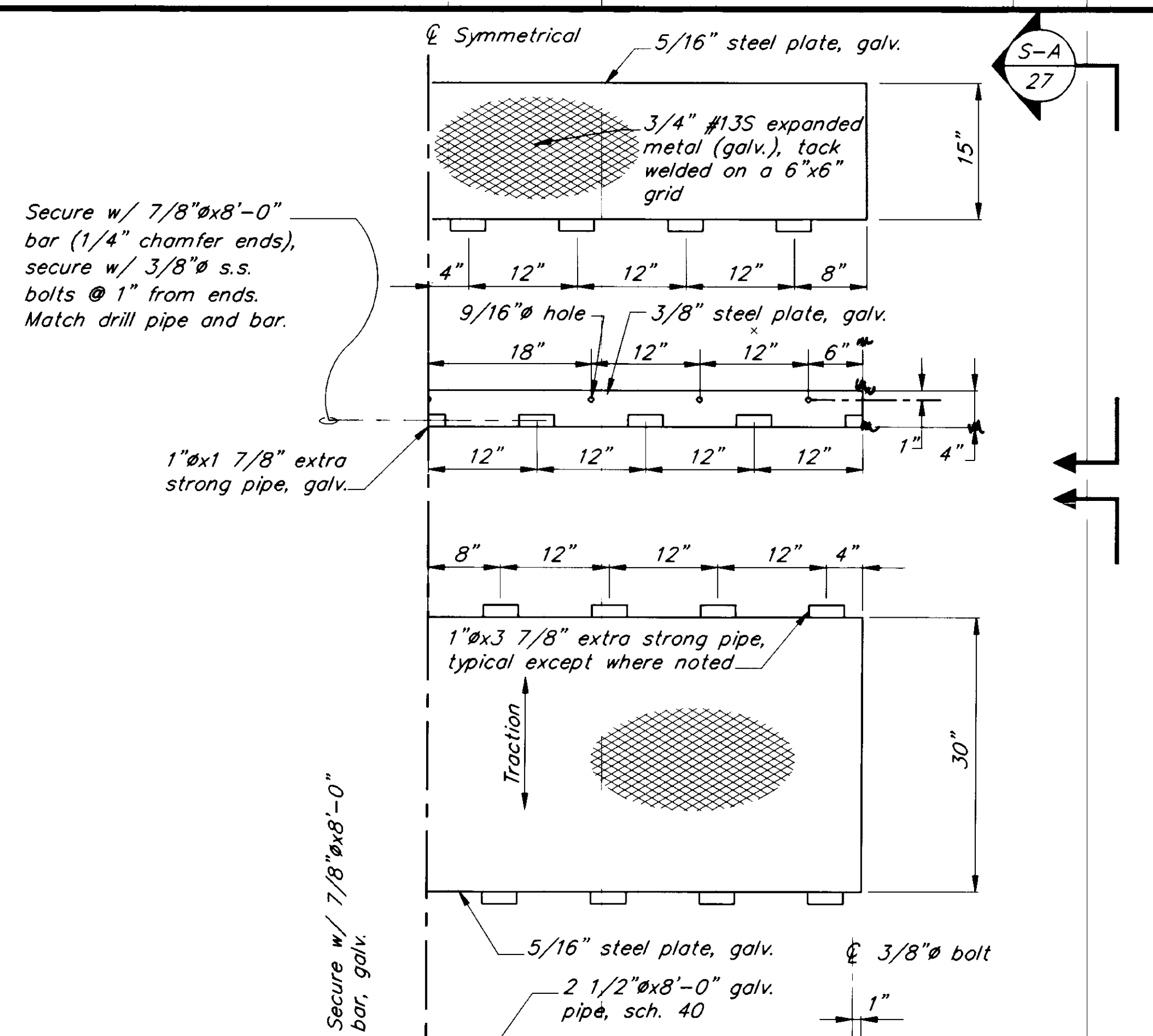
2 Required



**SECTION B**

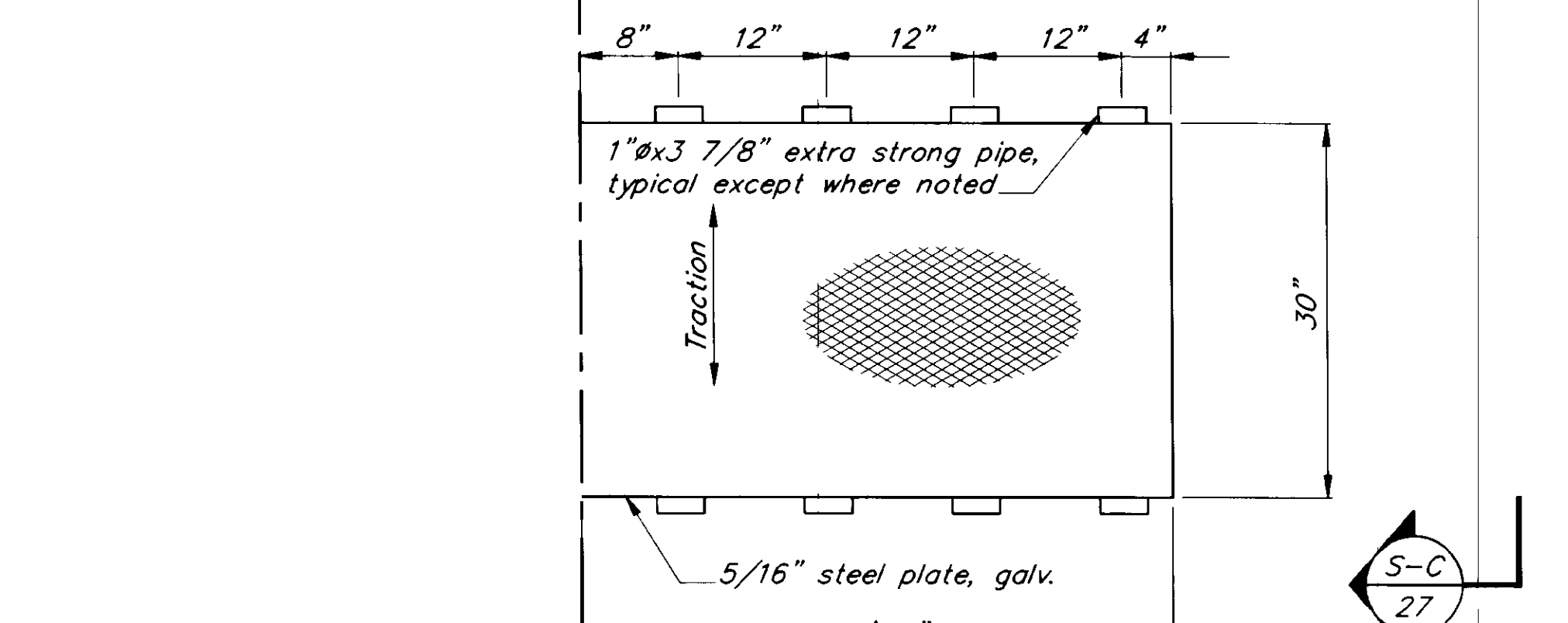


**SECTION C**



**TRANSITION PLATE DETAIL 3**

1 Required



**SECTION C**

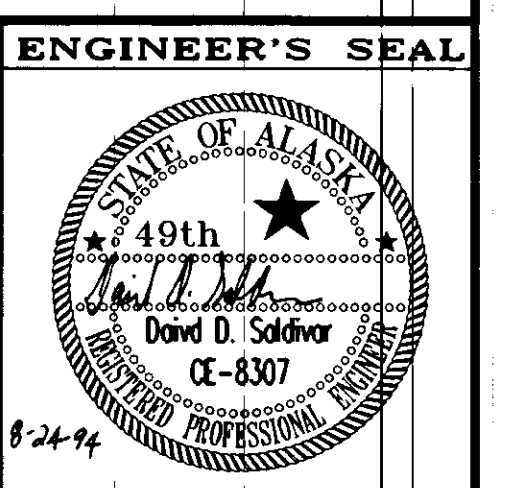
NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

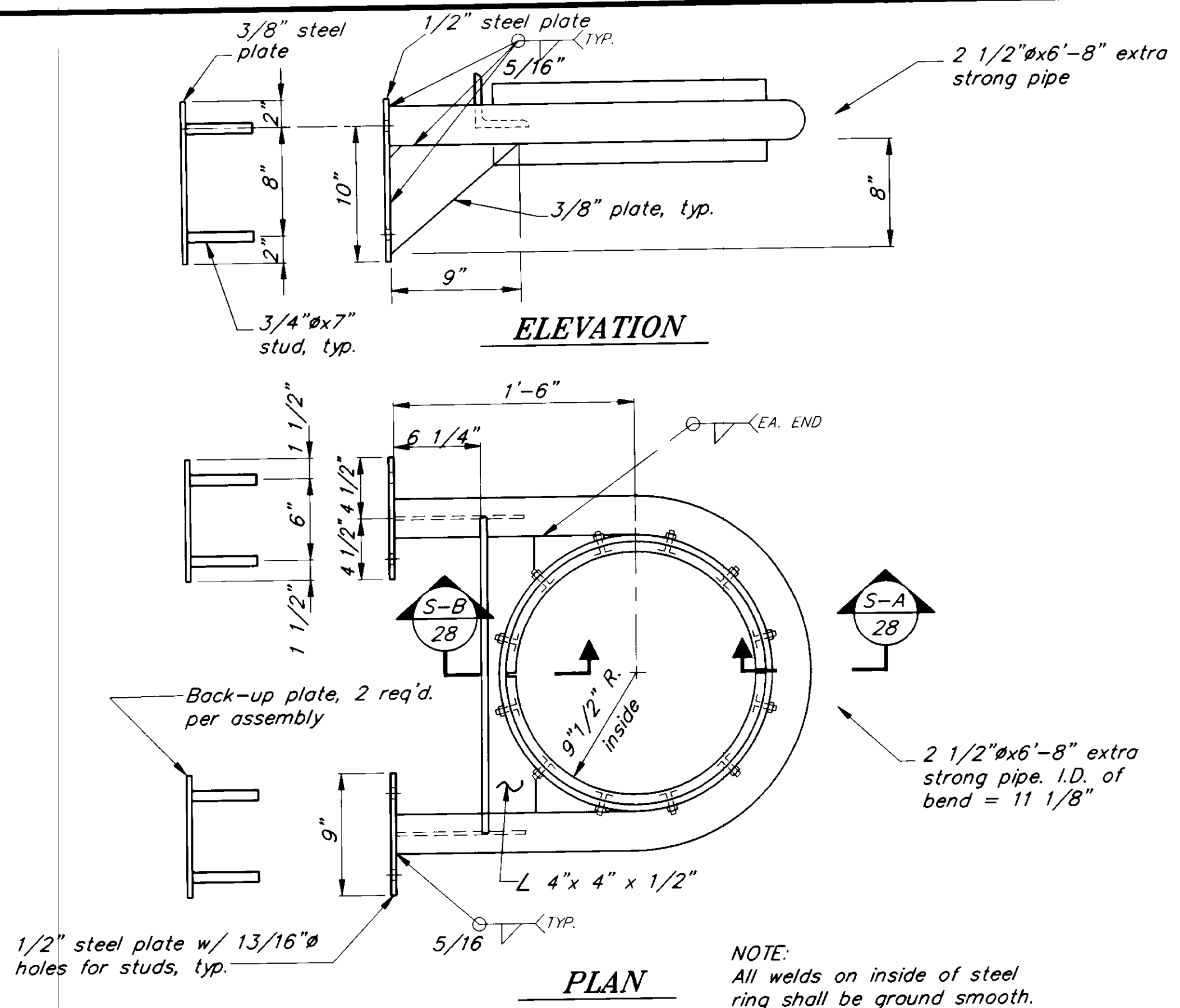
PATH:	P:\PSG\SEAFLT\DR\TPLATE1.dwg	< 1=12 >	1"=1'-0"
BY:		DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS			

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

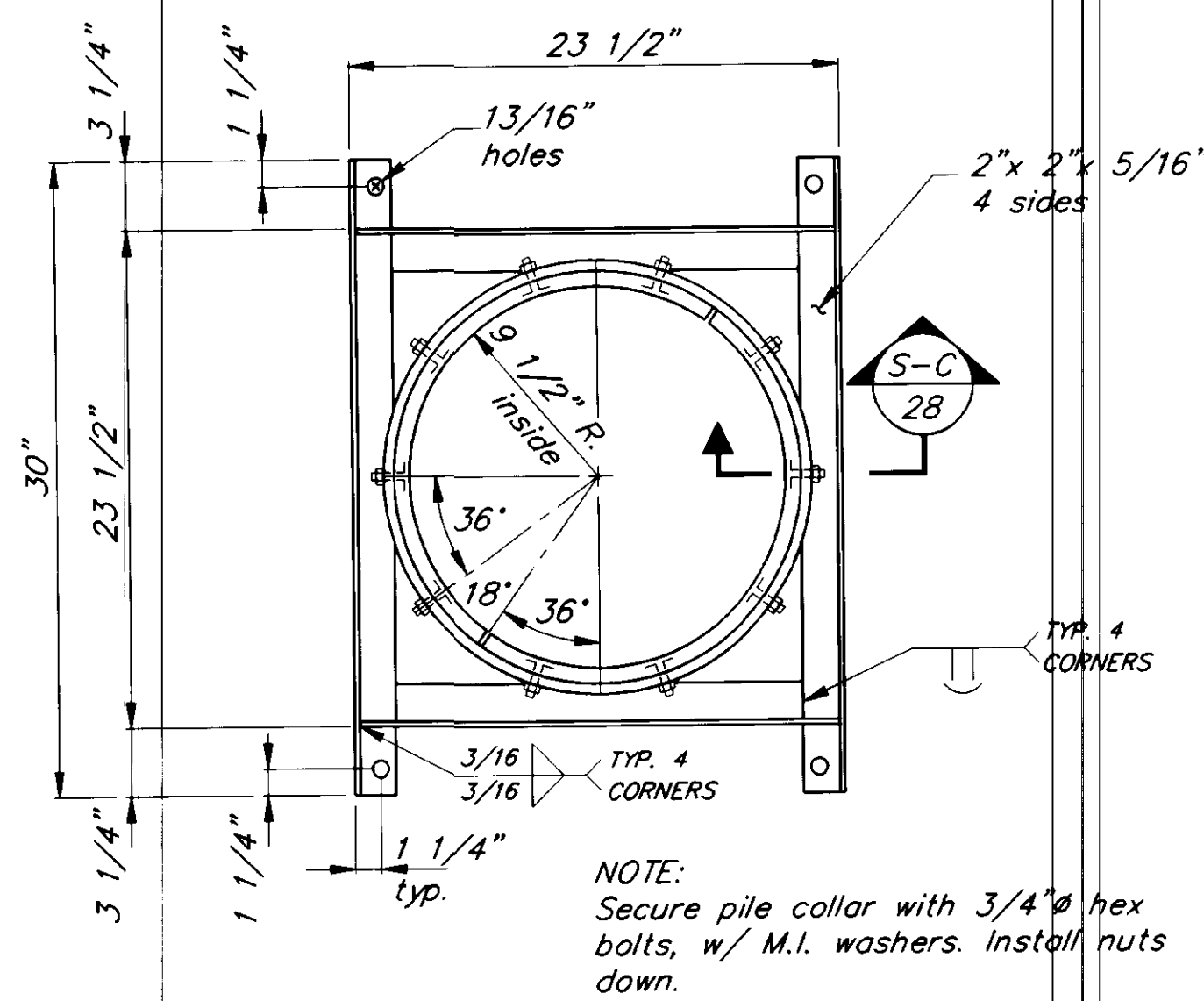
PETERSBURG  
 SEAPLANE FLOAT FACILITY  
 A.I.P. # 3-02-0304-01  
 ALASKA  
 TRANSITION PLATE DETAILS

DESIGNED BY:	D.D.S.	PROJECT NO.	70641
DRAWN BY:	B.W.B.	DATE:	AUGUST, 1994
CHECKED BY:	M.H.	SHEET 27 OF 42	

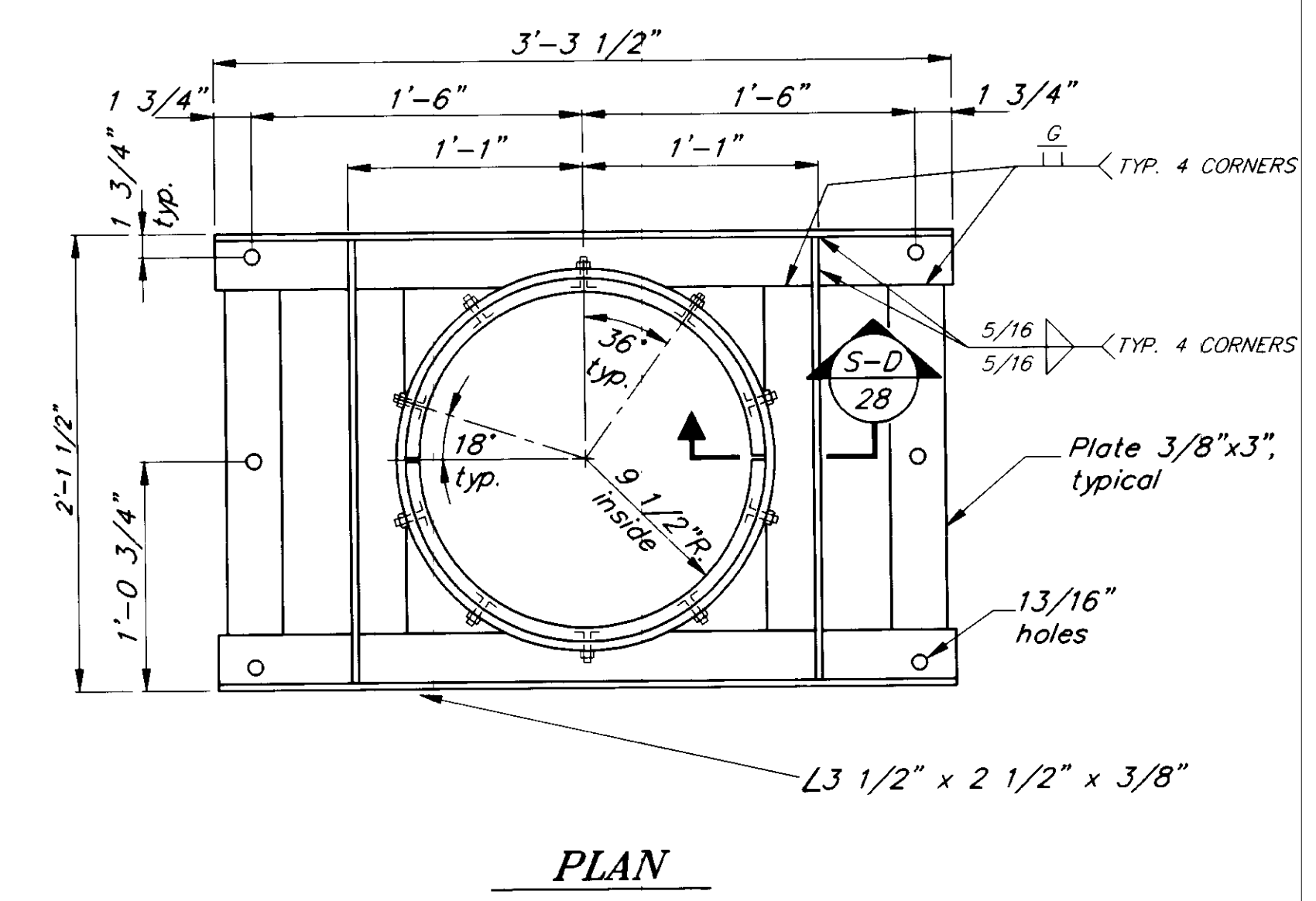




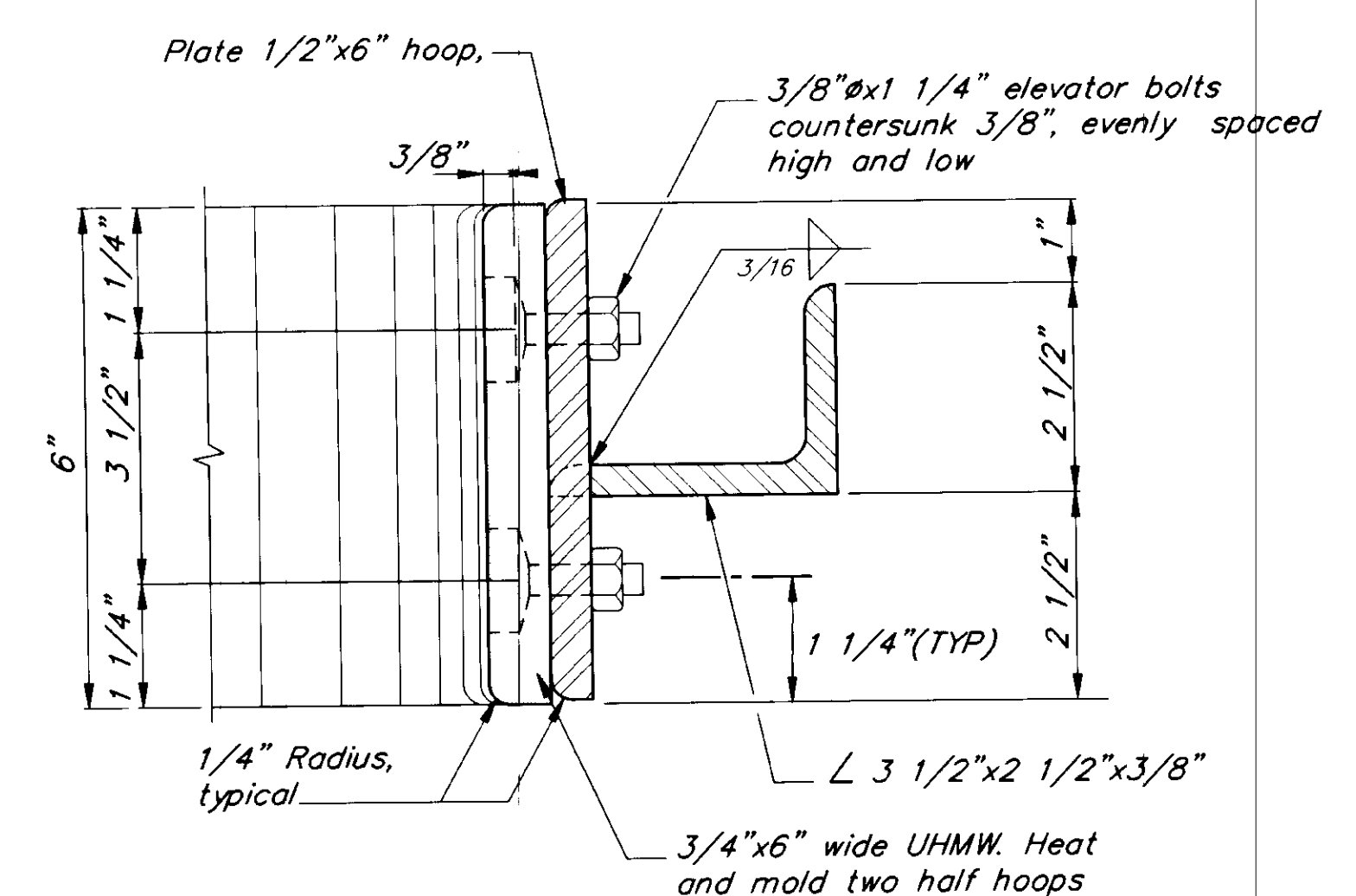
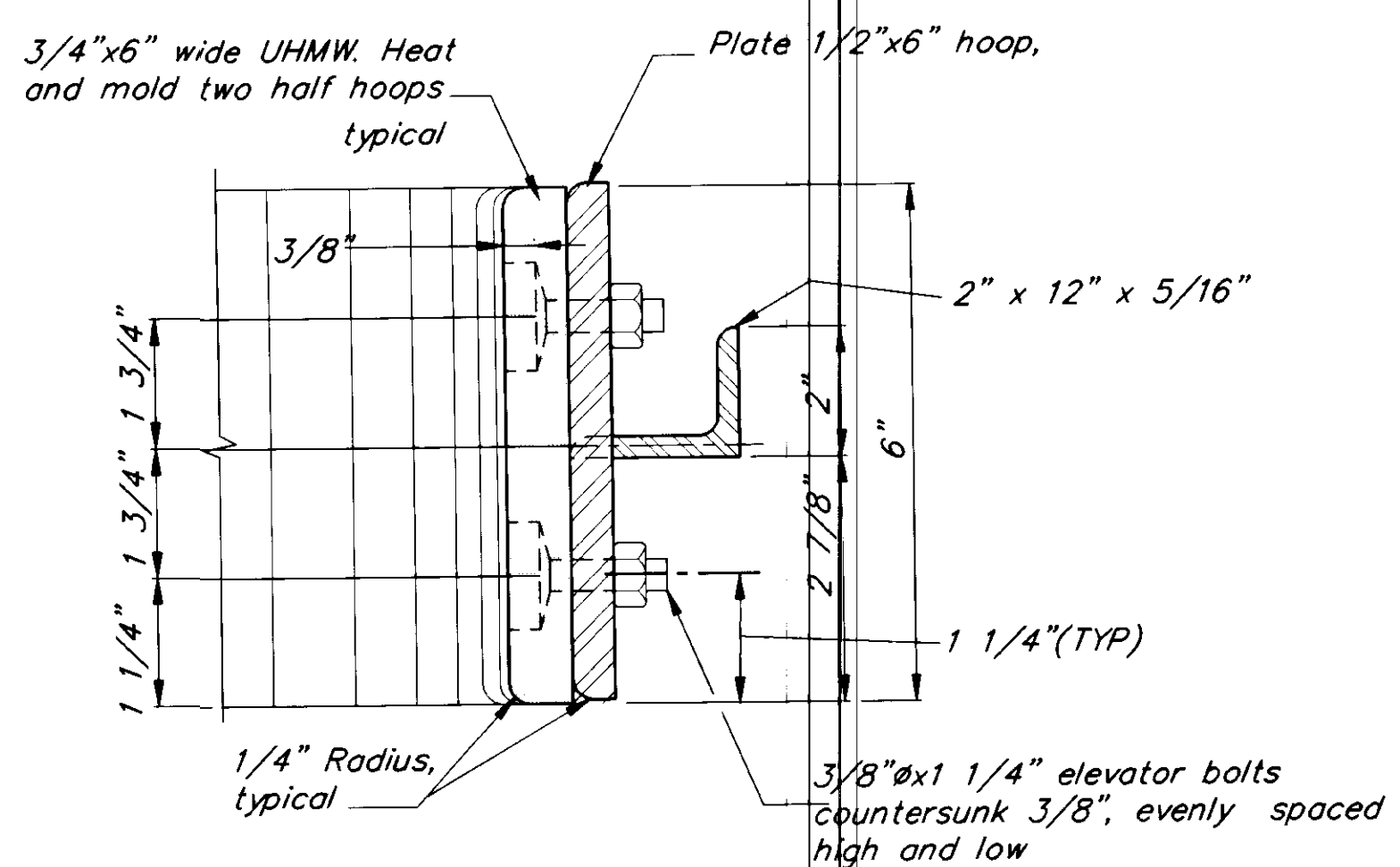
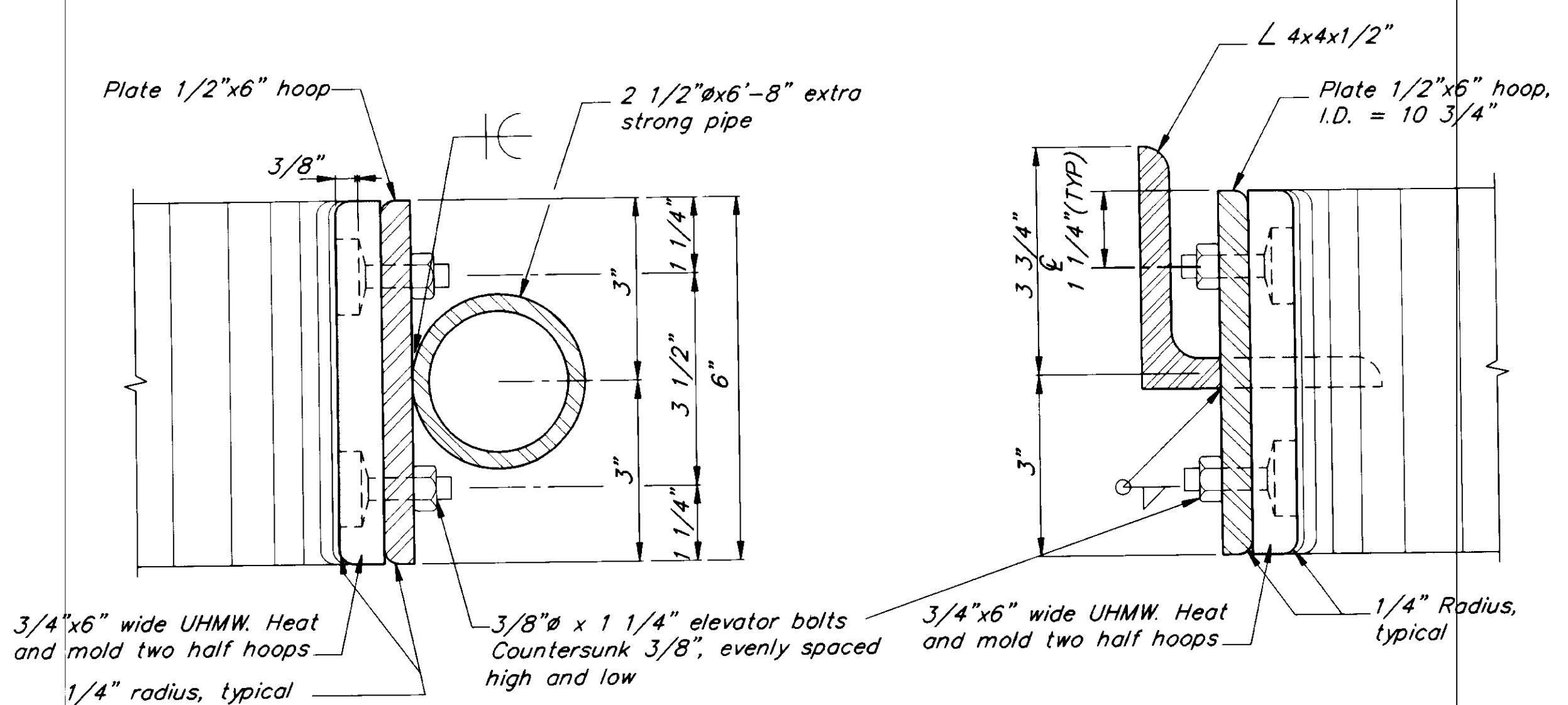
**PILE COLLAR DETAIL** ①  
FOR 20'x180' APPROACH FLOAT



**PILE COLLAR DETAIL** ②  
FOR 10'x200' TIMBER FLOAT



**PILE COLLAR DETAIL** ③  
FOR 30'x150' SEAPLANE FLOAT  
AND 44'x195' RAMP SEAPLANE FLOAT



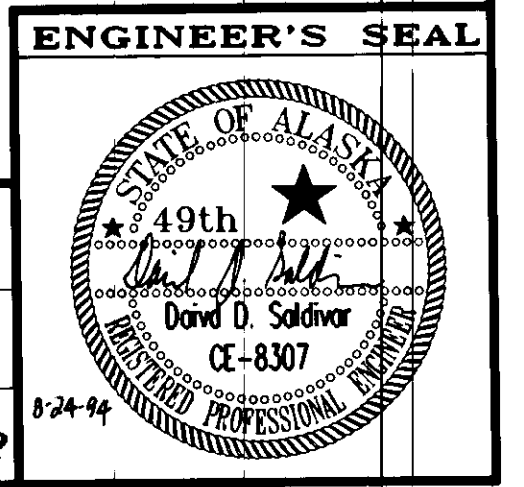
PATH: P:\PSG\SEAFLOAT\DR\COLLAR.dwg < 1=8 >	
BY:	DESCRIPTION OF CHANGE:
DATE:	

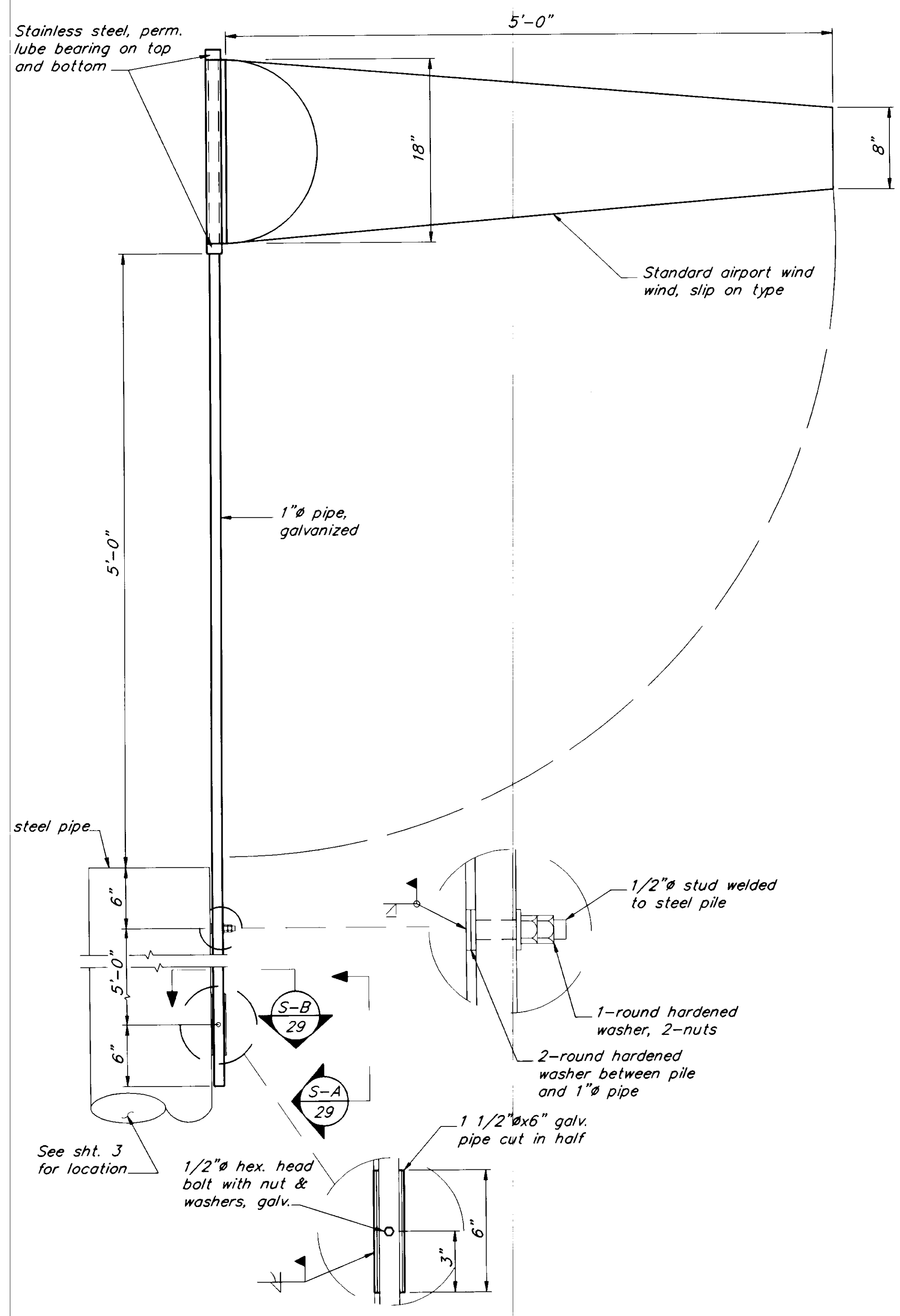
STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
SOUTHEAST REGION DESIGN & CONSTRUCTION

PETERSBURG ALASKA  
SEAPLANE FLOAT FACILITY  
A.I.P. # 3-02-0304-01  
PILE COLLAR DETAILS

DESIGNED BY: D.D.S.	PROJECT NO. 70641
DRAWN BY: B.W.B.	DATE: AUGUST, 1994
CHECKED BY: M.H.	SHEET 28 OF 42

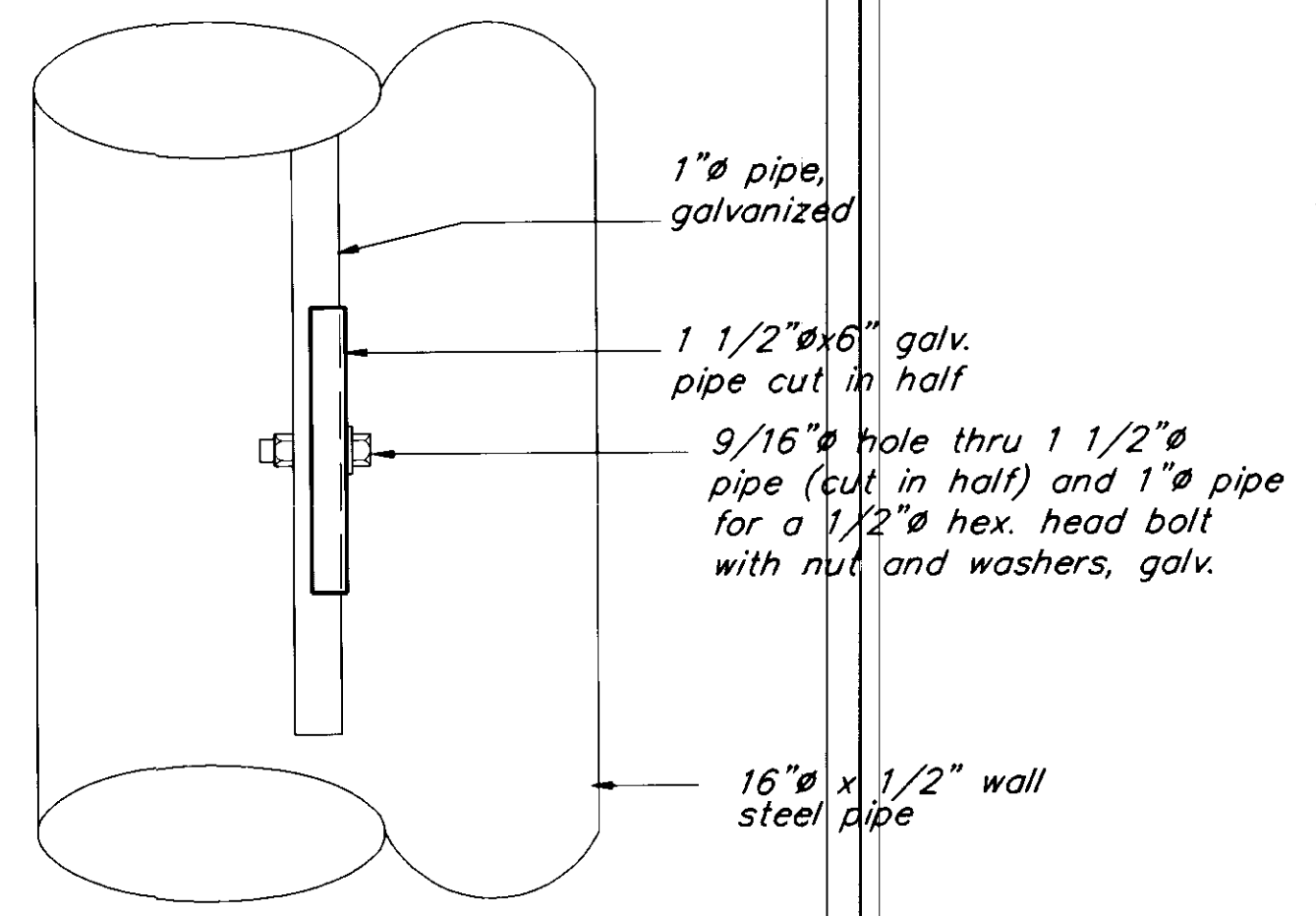
NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS



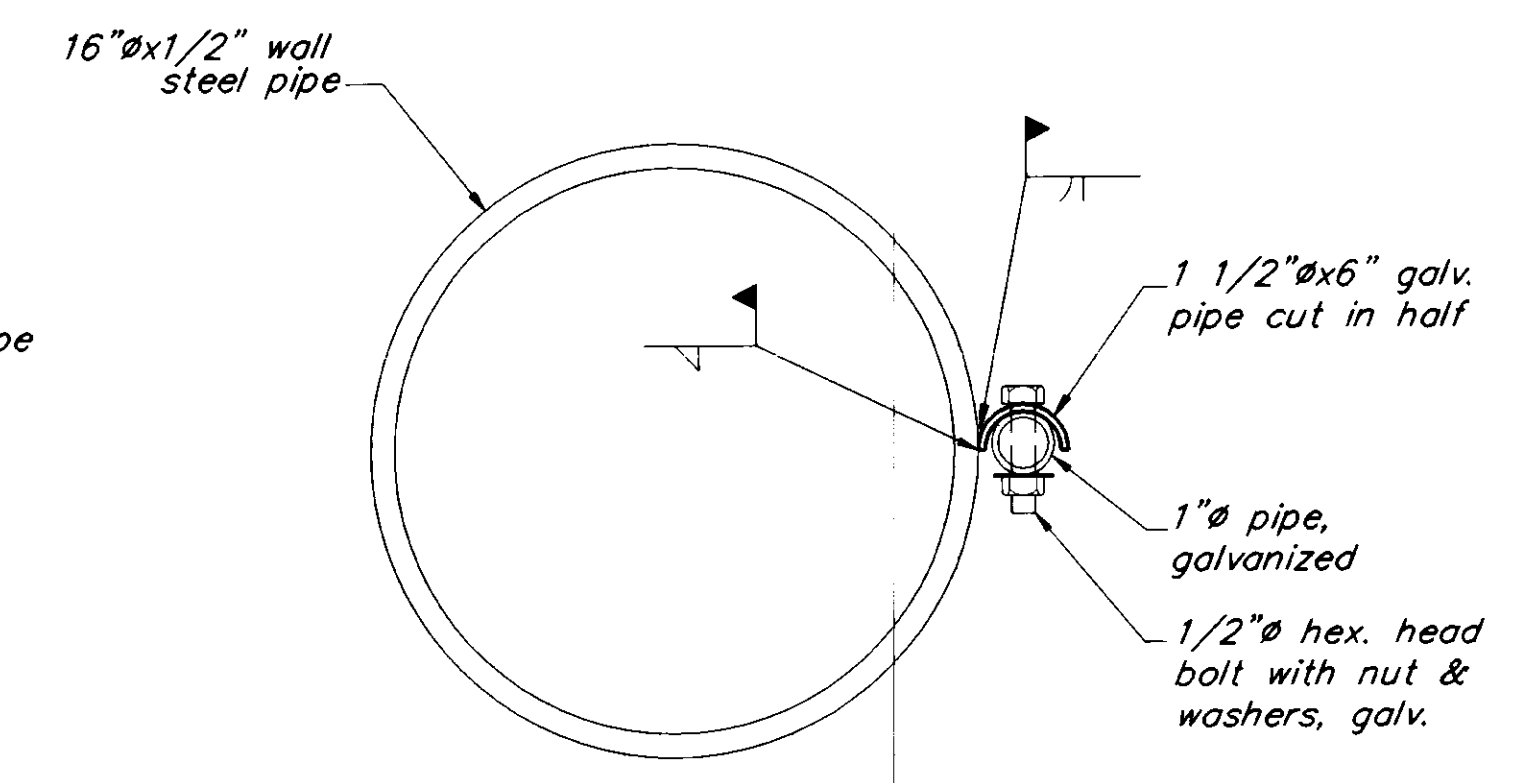


**WIND CONE DETAIL**

1 REQUIRED



**SECTION A**



**SECTION B**

PATH: P:\PSG\SEAFLT\DR\WINDCONE.dwg	< 1=4 >
BY:	DESCRIPTION OF CHANGE:
DATE:	

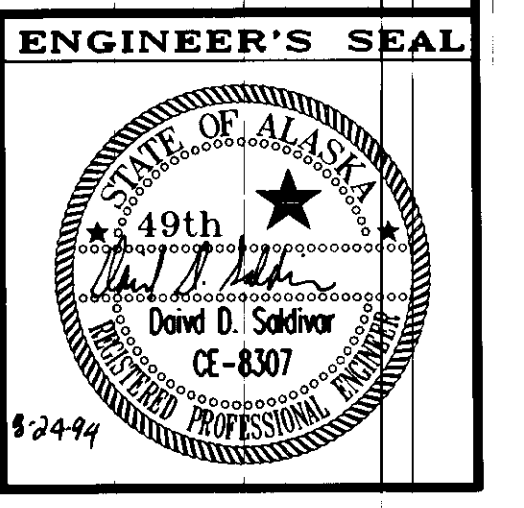
RECORD OF REVISIONS

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

PETERSBURG ALASKA  
**SEAPLANE FLOAT FACILITY**  
 A.I.P. # 3-02-0304-01  
**WIND CONE DETAILS**

DESIGNED BY: D.D.S.	PROJECT NO. 70641
DRAWN BY: B.W.B.	DATE: AUGUST, 1994
CHECKED BY: M.H.	SHEET 29 OF 42

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS





**SIGN "A"**  
2 REQUIRED

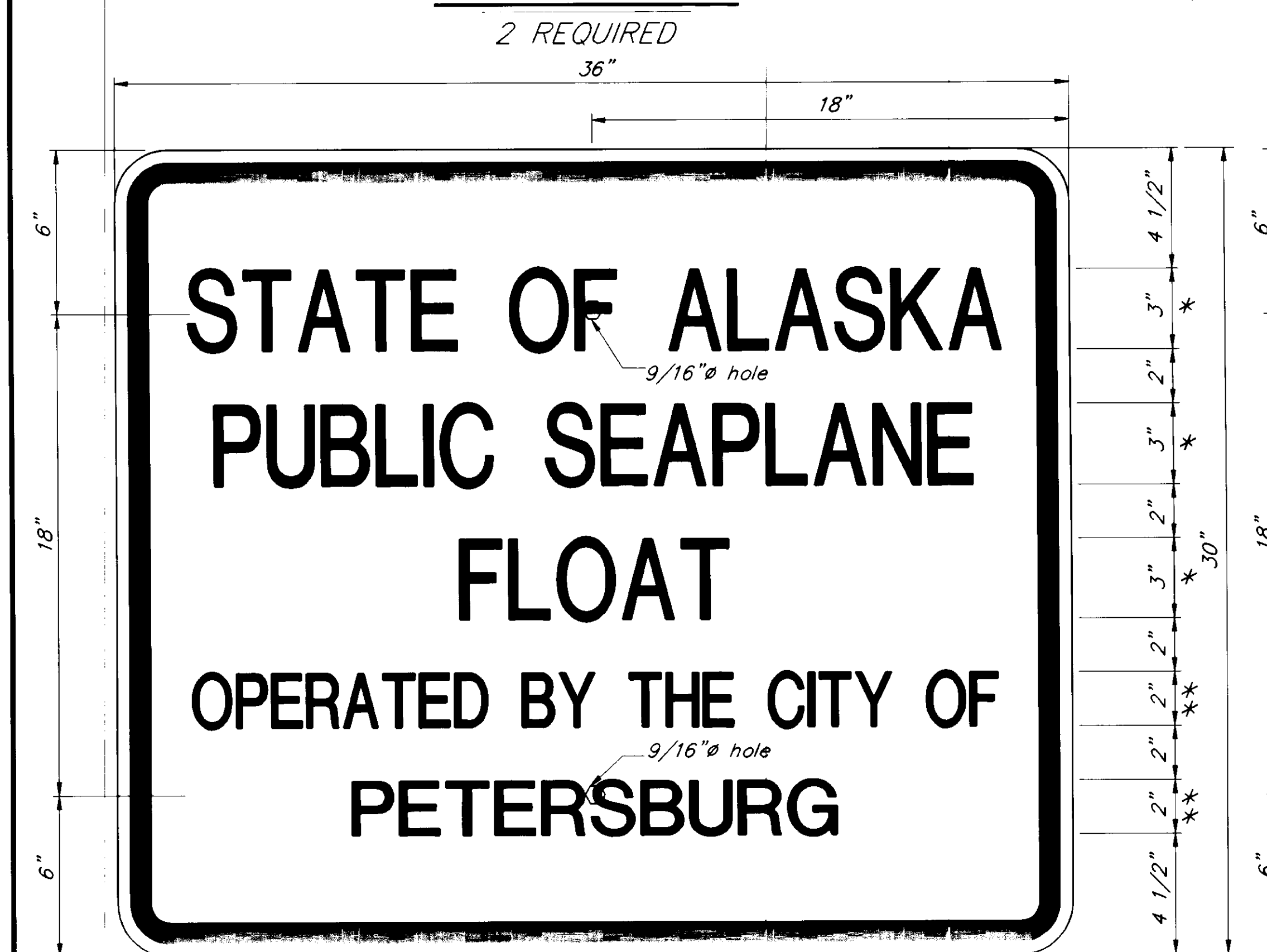
**SIGN NOTES :**

Align top of sign "A" & "E" with top of float pile with top of sign "B" 3" below the bottom of sign "A". Secure the signs by welding the heads of two-1/2" stainless steel bolts to piling. Place the sign and install flat stainless steel washers and nuts.

Signs shall have white background with black legend. Sign shall conform to Alaska Sign Design Specification. Lettering shall be as shown on the plans.



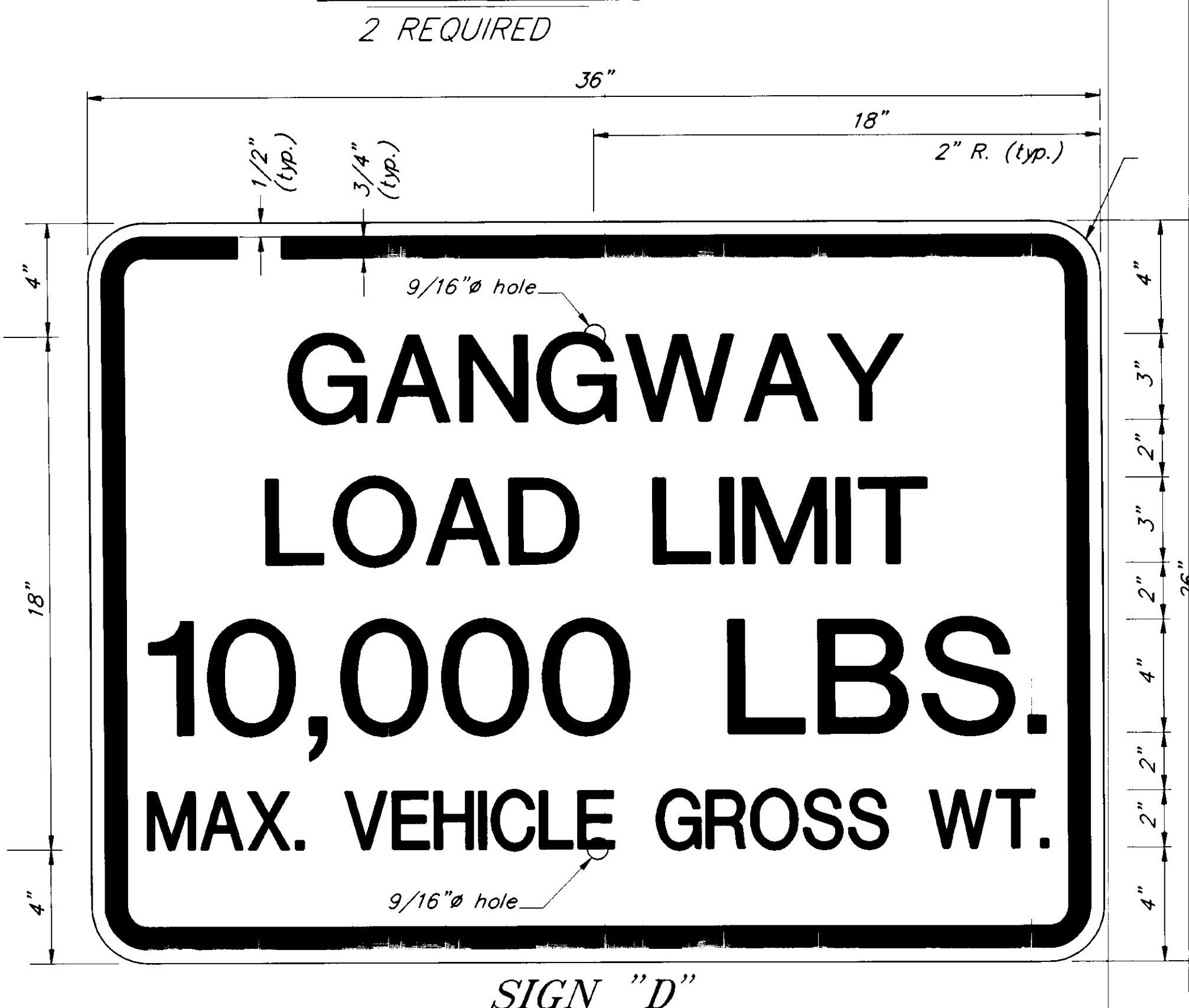
**SIGN "C"**  
2 REQUIRED



**SIGN "B"**  
2 REQUIRED



**SIGN "E"**  
1 REQUIRED



**SIGN "D"**  
1 REQUIRED

- \* "B" SERIES LETTERING
- \*\* "C" SERIES LETTERING
- \*\*\* "D" SERIES LETTERING

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

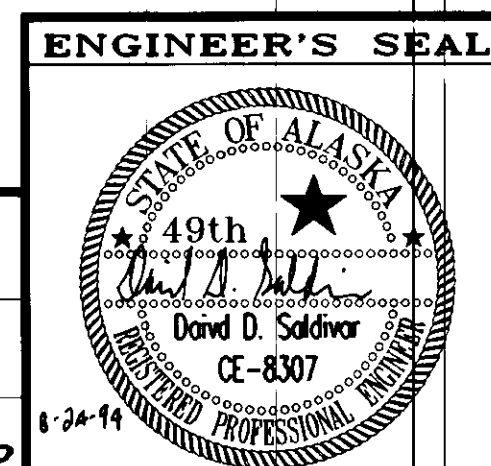
RECORD OF REVISIONS	
PATH:	P:\PSG\SEAFLT\DR\SIGN2.dwg < 1=4 >
BY:	DATE: DESCRIPTION OF CHANGE:

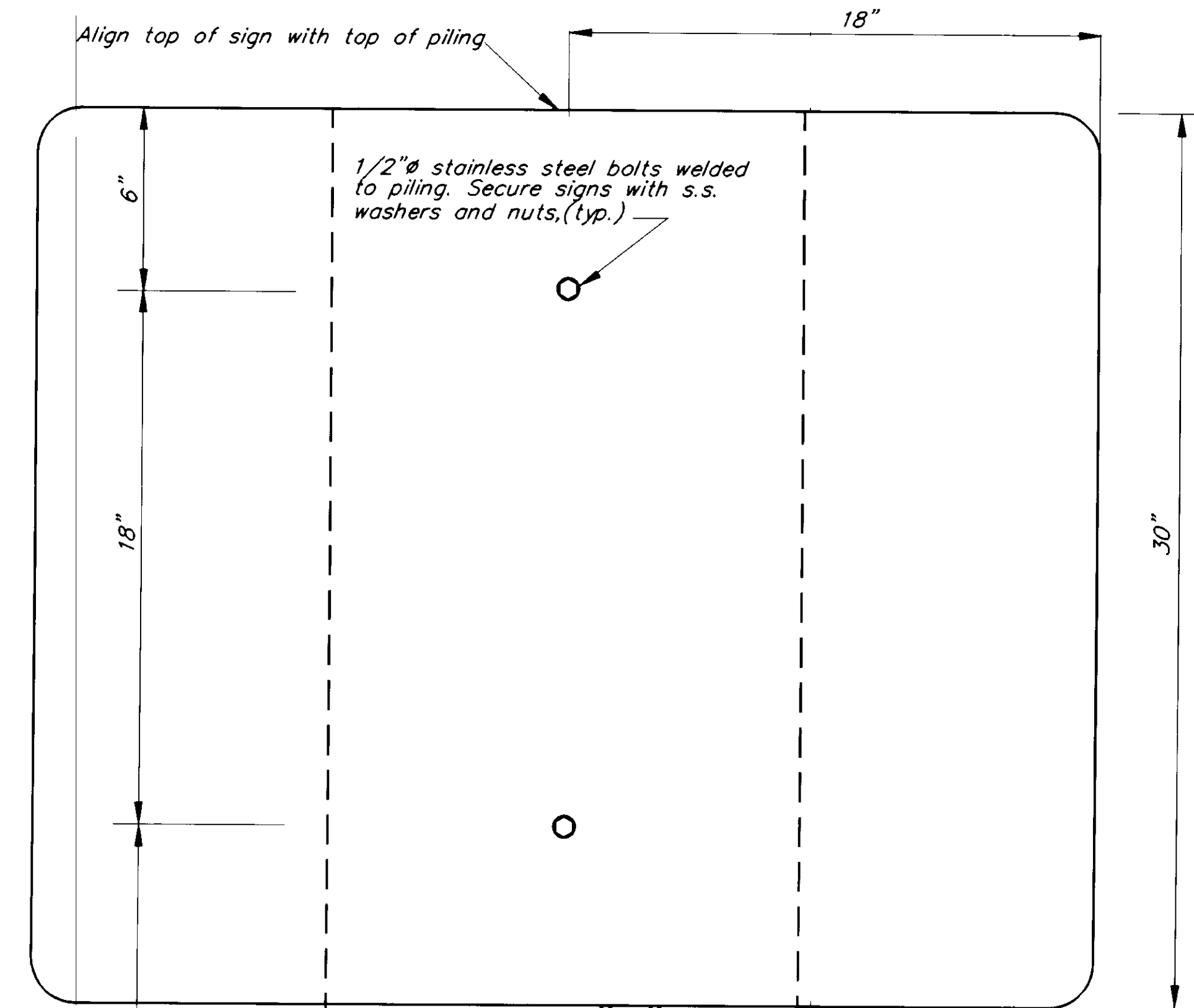
STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
SOUTHEAST REGION DESIGN & CONSTRUCTION

PETERSBURG  
SEAPLANE FLOAT FACILITY  
A.I.P. # 3-02-0304-01  
**SIGN DETAILS**

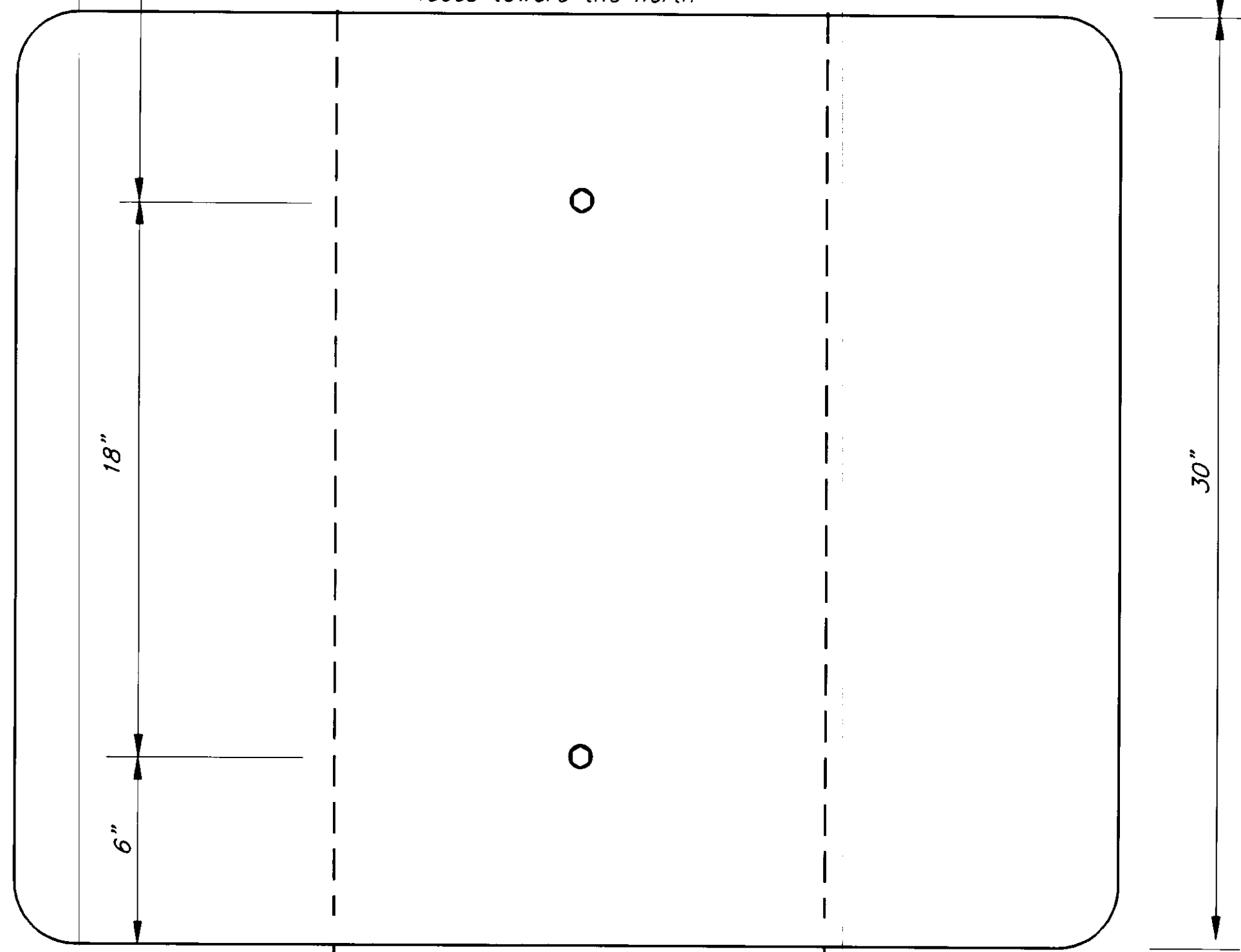
ALASKA  
DESIGNED BY: D.D.S.  
DRAWN BY: B.W.B.  
CHECKED BY: M.H.

PROJECT NO. 70641  
DATE: AUGUST, 1994  
SHEET 30 OF 42



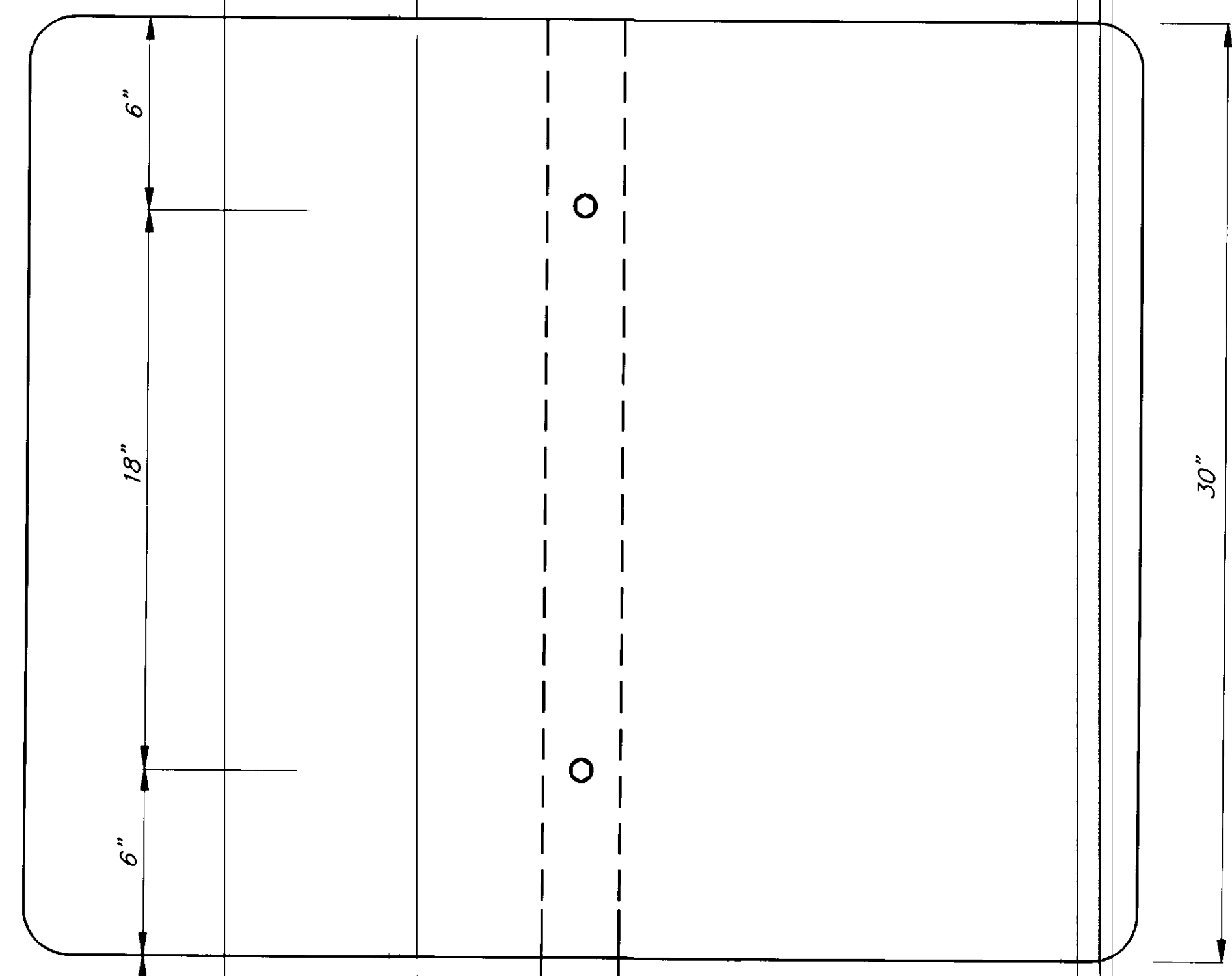


**SIGN "A"**  
faces toward the north

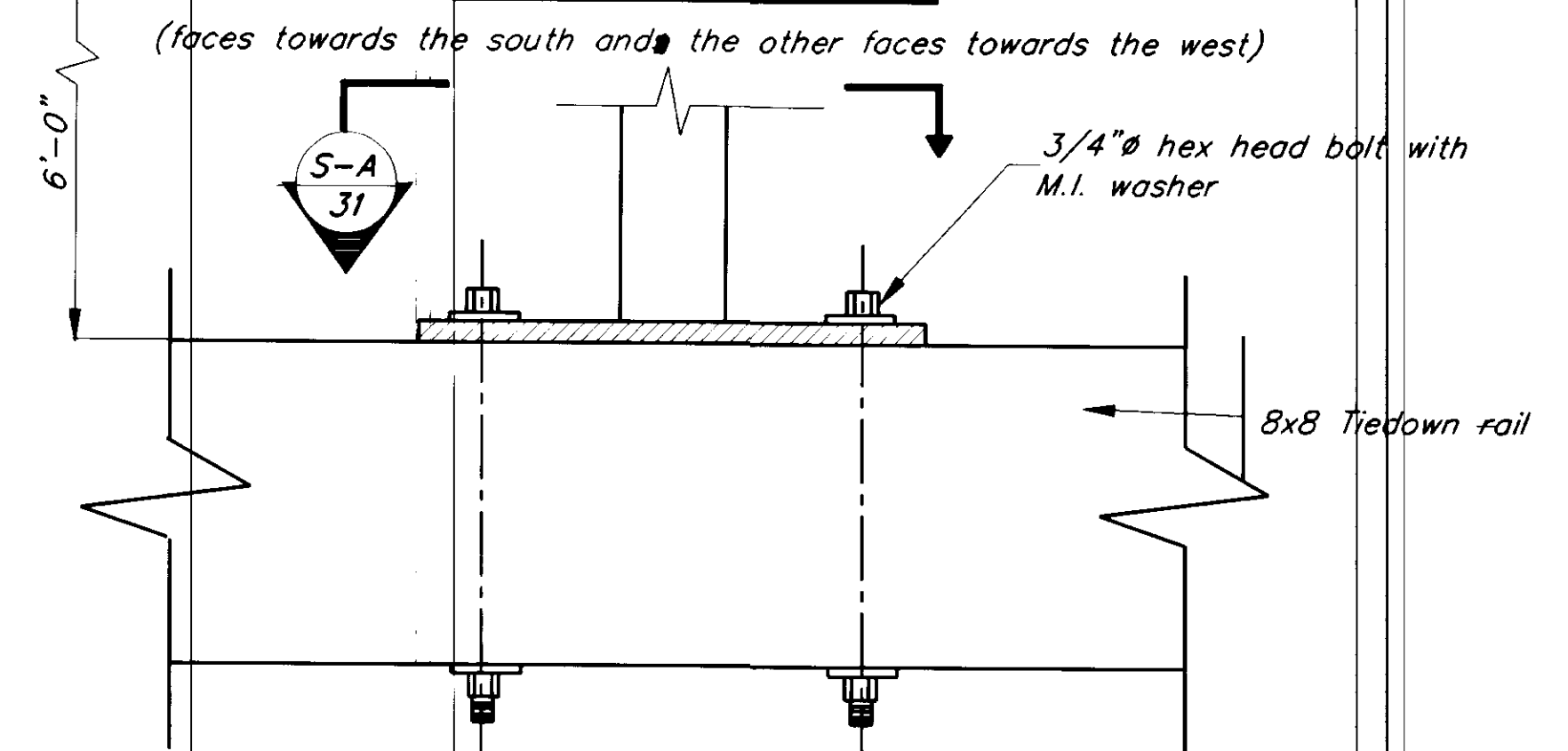


**SIGN "B"**  
faces toward the north

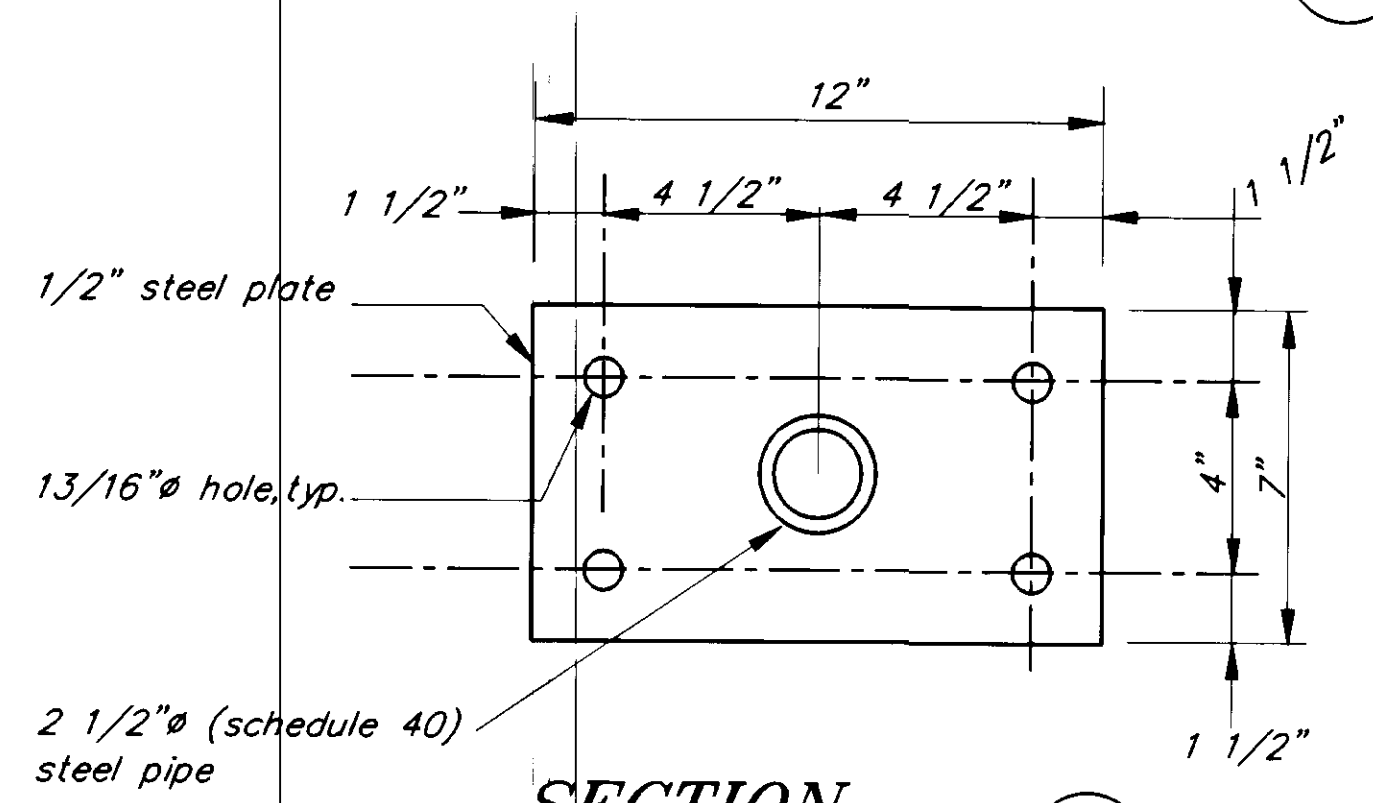
**SIGN MOUNTING DETAIL 1**



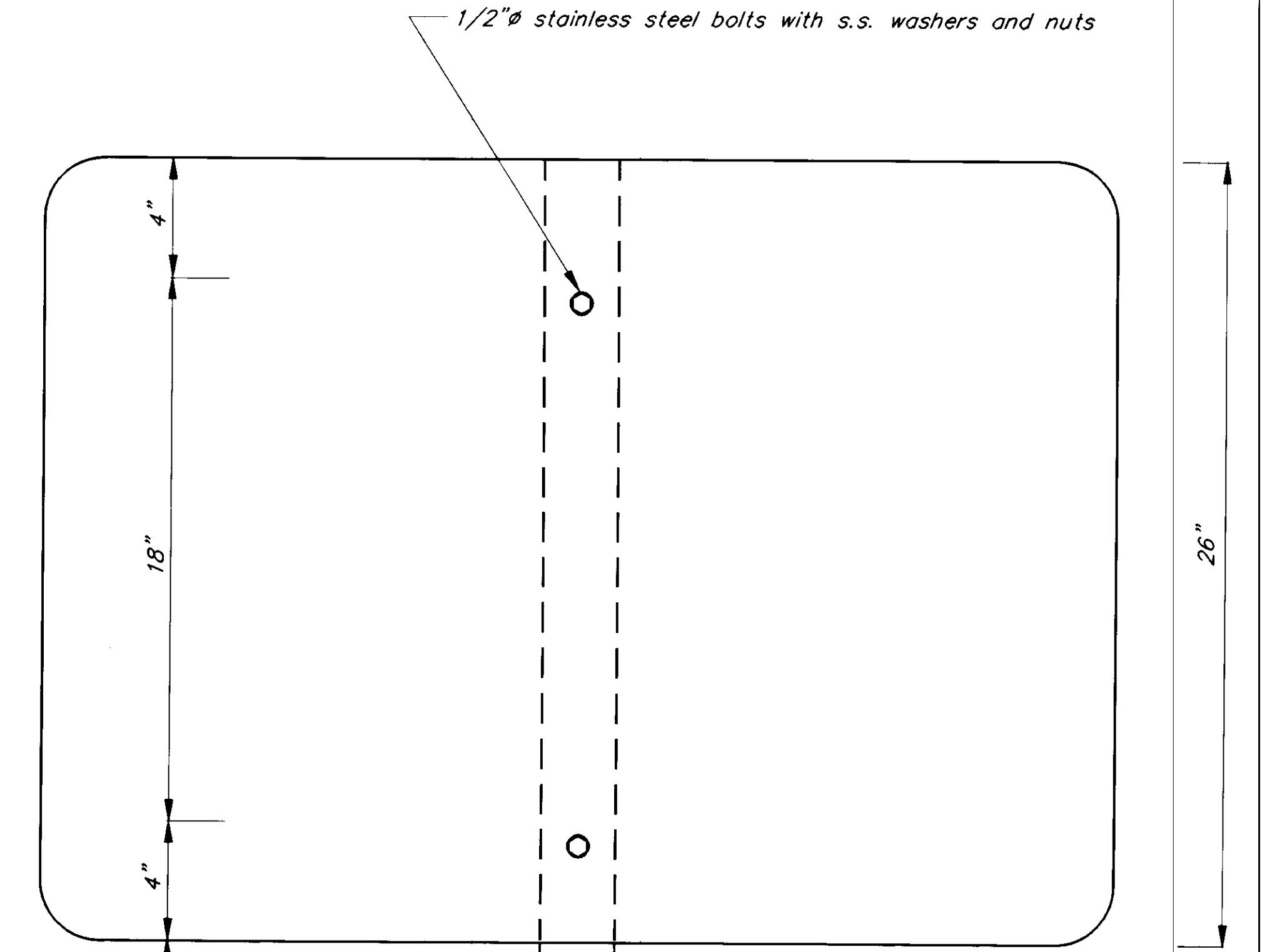
**SIGN "C"**  
(faces towards the south and the other faces towards the west)



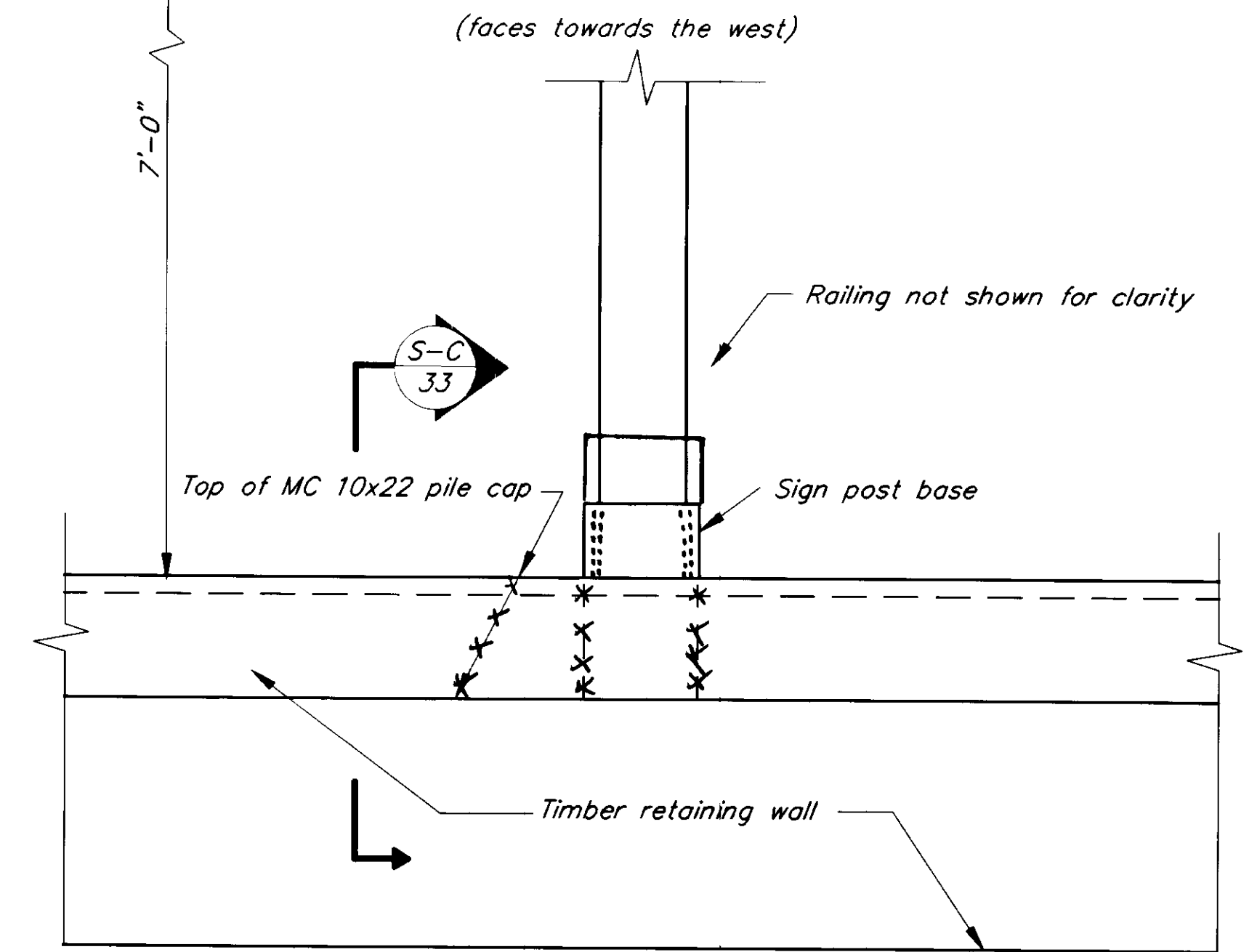
**SIGN MOUNTING DETAIL 2**



**SECTION A**



**SIGN "D"**  
(faces towards the west)



**SIGN MOUNTING DETAIL 3**

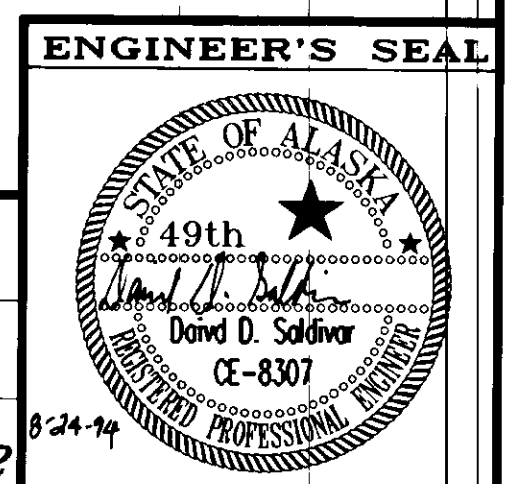
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BY:	DESCRIPTION OF CHANGE:
DATE:	
RECORD OF REVISIONS	

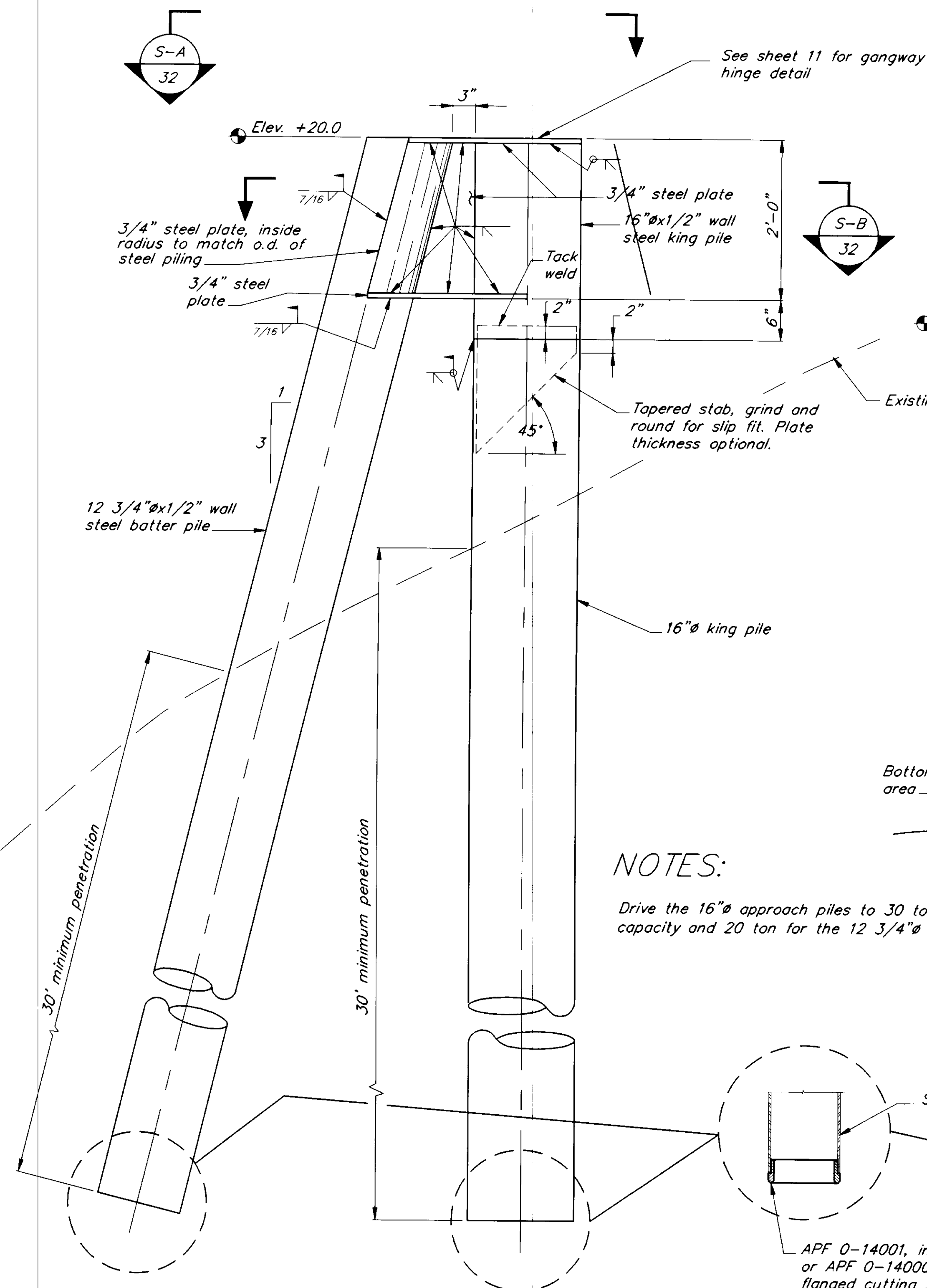
STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
SOUTHEAST REGION DESIGN & CONSTRUCTION

PETERSBURG  
SEAPLANE FLOAT FACILITY  
A.I.P. # 3-02-0304-01  
**SIGN MOUNTING DETAILS**

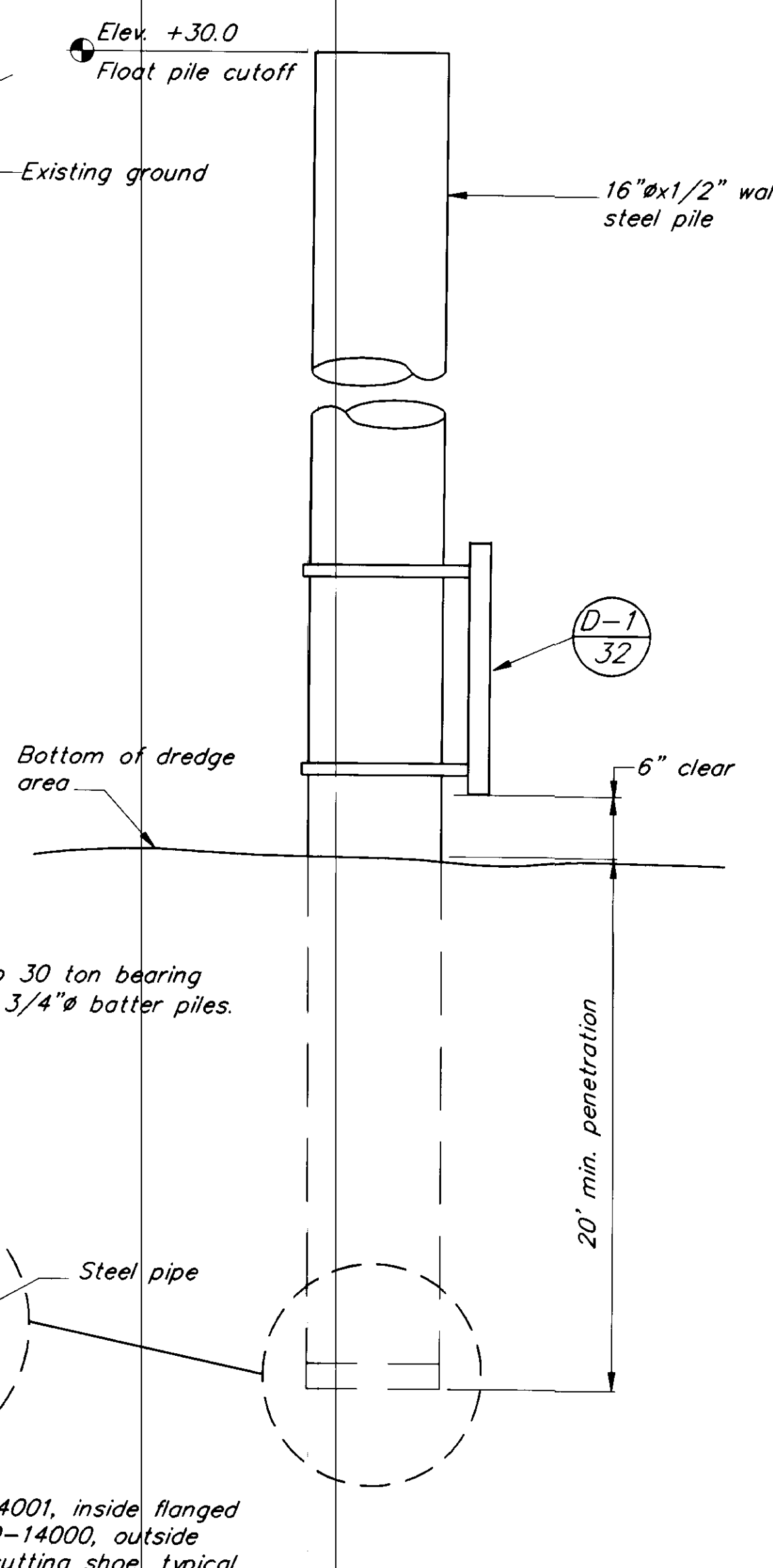
NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

DESIGNED BY: D.D.S.	PROJECT NO. 70641
DRAWN BY: K. KLEMMETSON	DATE: AUGUST, 1994
CHECKED BY: M.H.	SHEET 31 OF 42

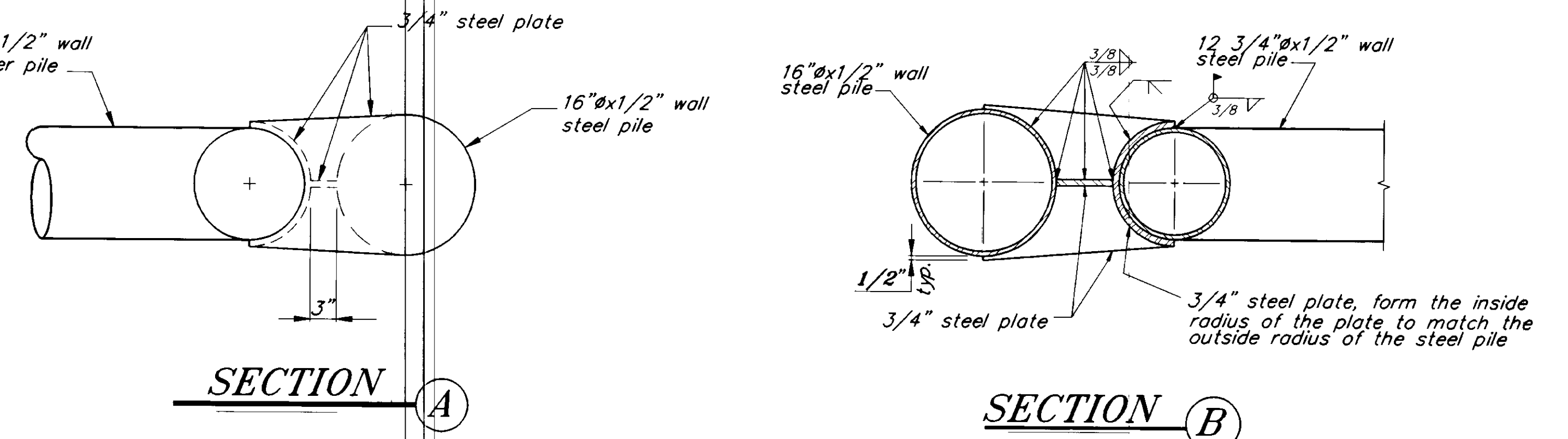




**APPROACH PILE DETAIL**

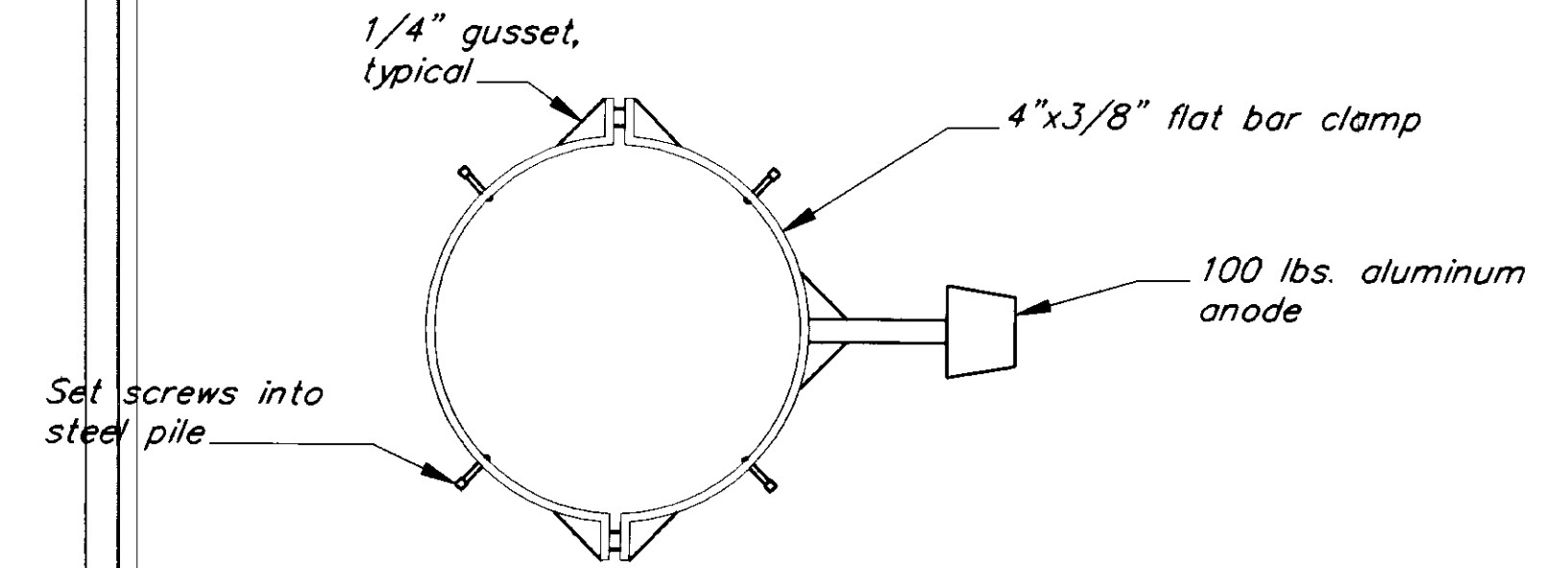


**STEEL FLOAT PILE DETAIL**

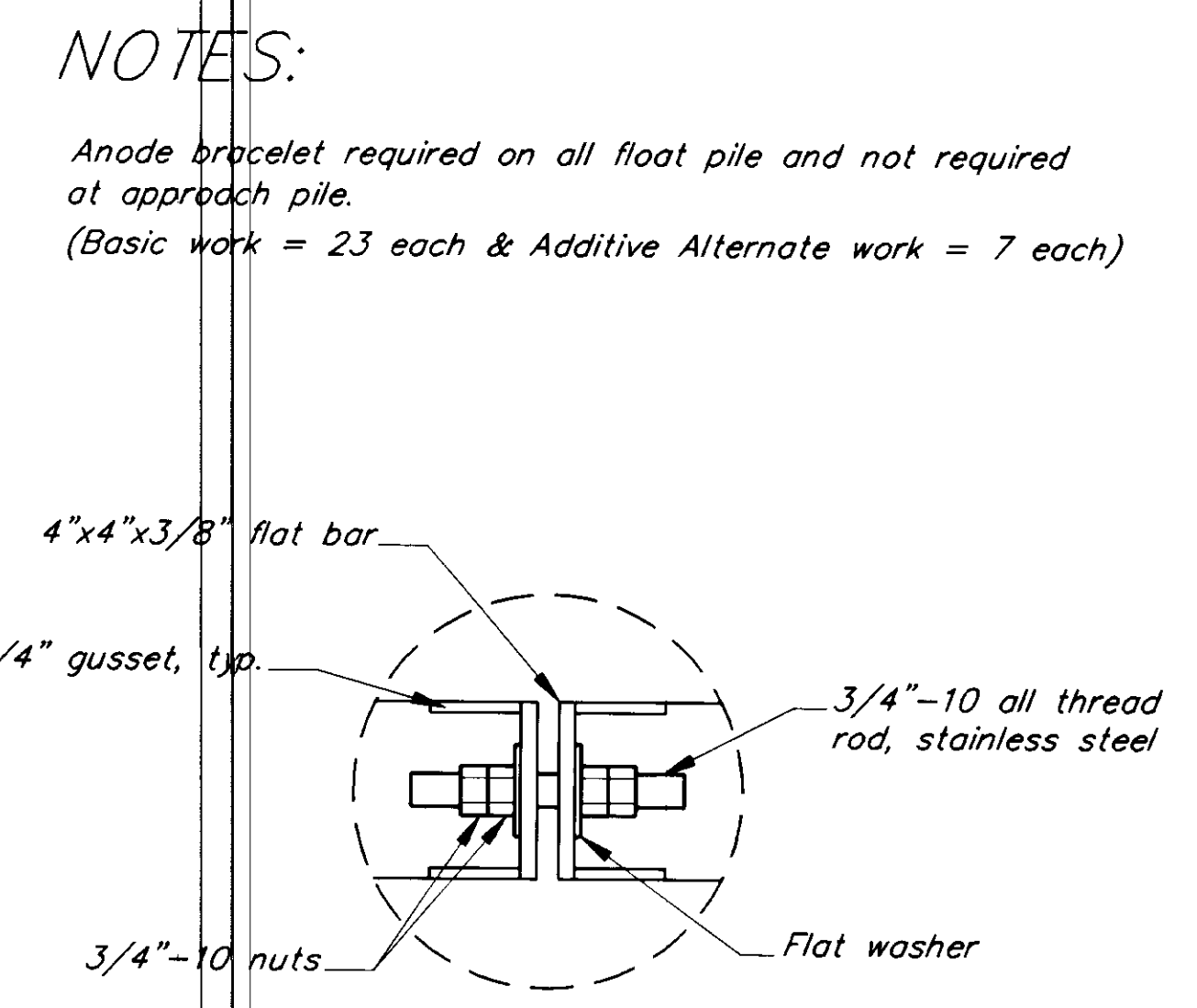


**SECTION A**

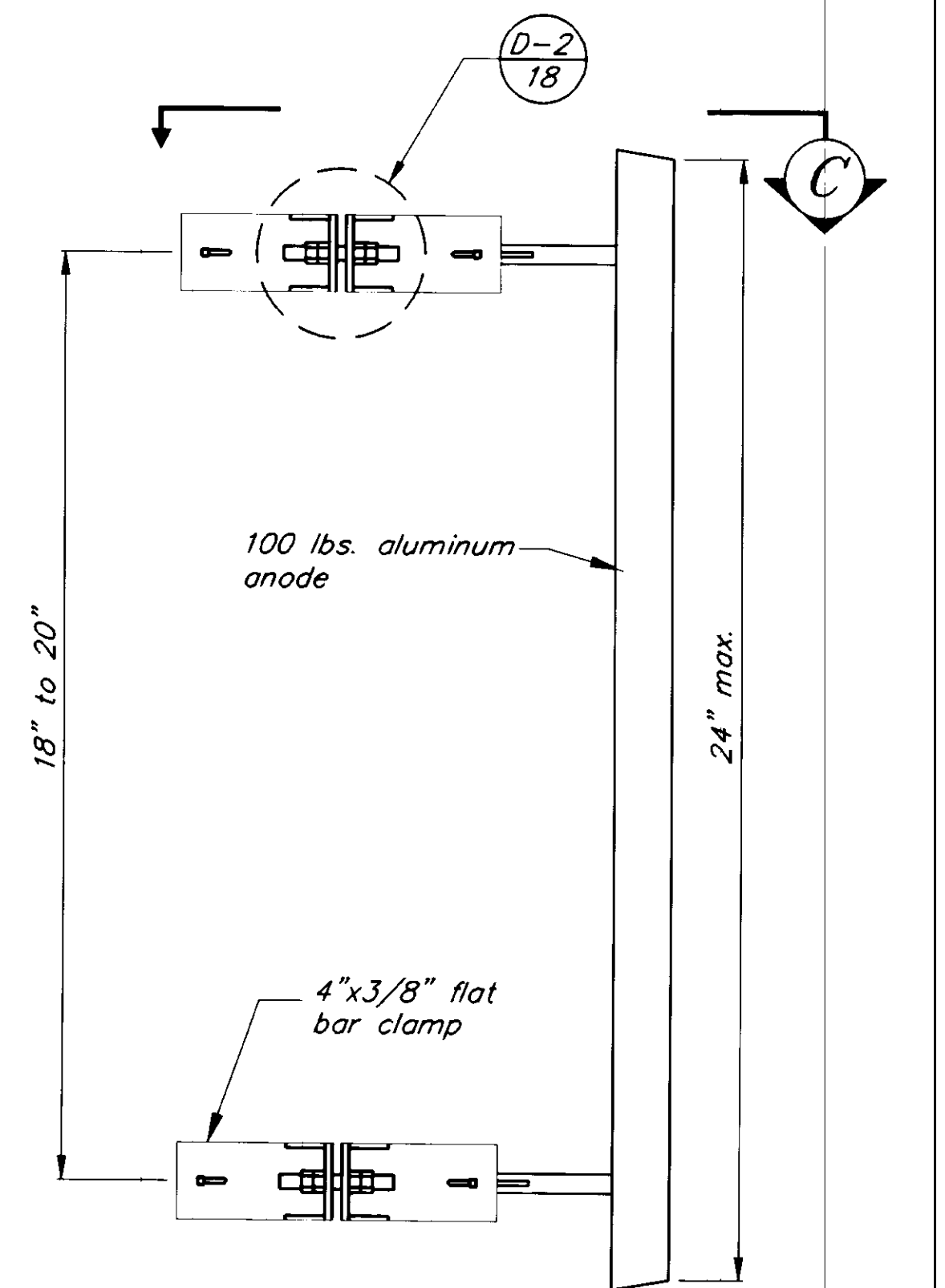
**SECTION B**



**Section C**



**Clamp Connection Detail**



**Anode Bracelet Detail**

**NOTES:**  
 Drive the 16" approach piles to 30 ton bearing capacity and 20 ton for the 12 3/4" batter piles.

**NOTES:**  
 Anode bracelet required on all float pile and not required at approach pile.  
 (Basic work = 23 each & Additive Alternate work = 7 each)

PATH: P:\PSG\SEAFLT\DR\APPRPILE.dwg < 1=12 > 1"=1'-0"	
BY:	DESCRIPTION OF CHANGE:
DATE:	
RECORD OF REVISIONS	

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

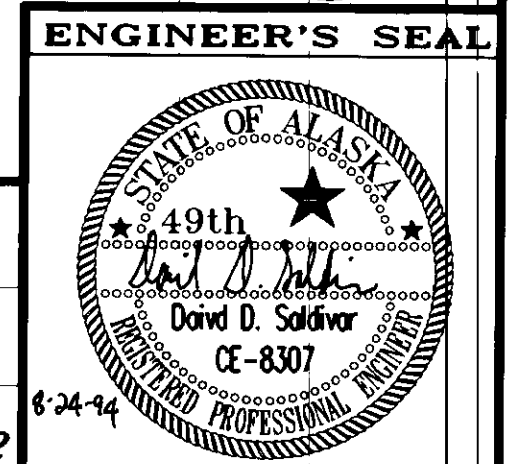
PETERSBURG

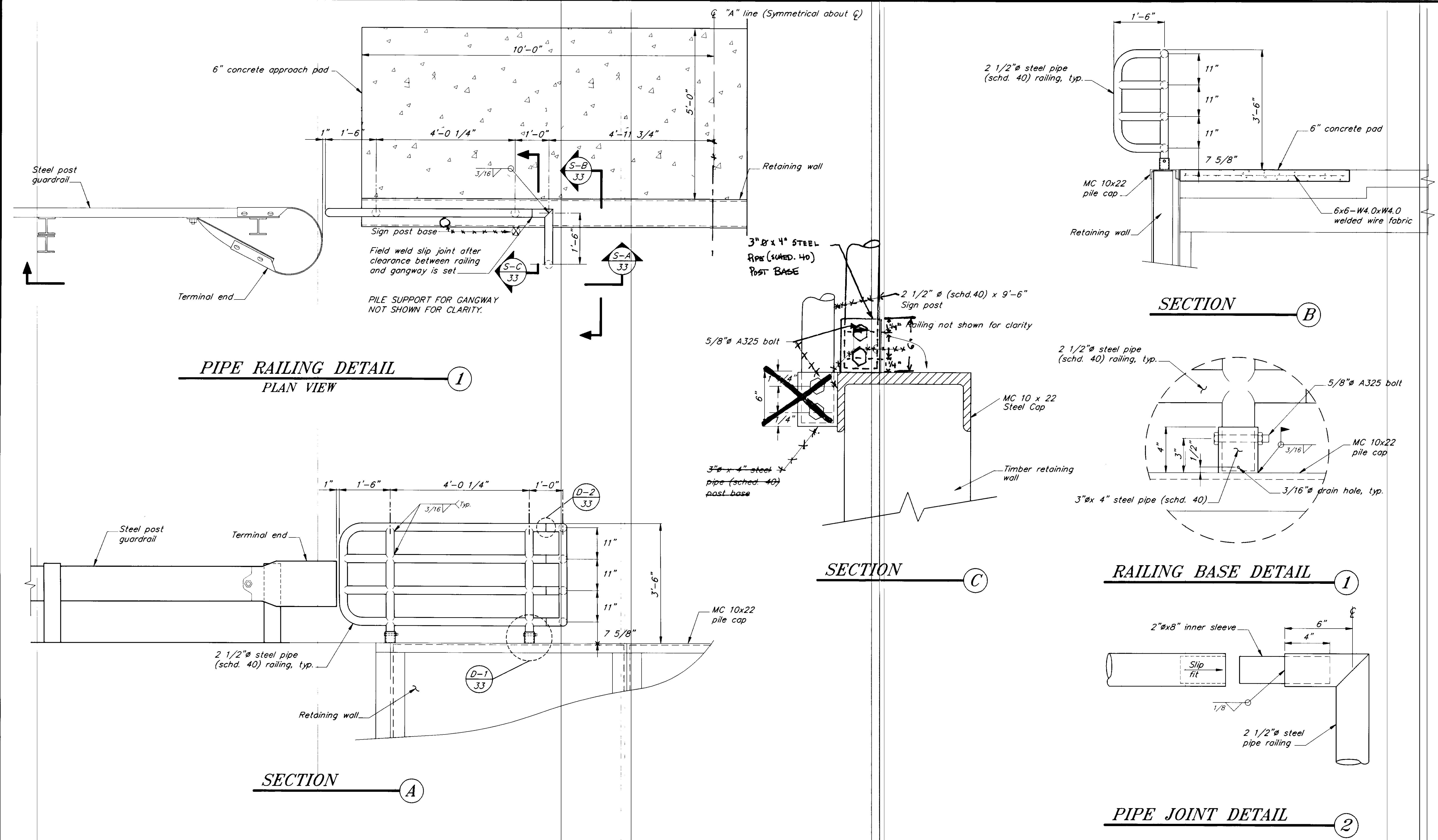
SEAPLANE FLOAT FACILITY  
 A.I.P. # 3-02-0304-01  
 DOLPHIN DETAILS

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

ALASKA  
 DESIGNED BY: D.D.S.  
 DRAWN BY: B.M.B.  
 CHECKED BY: M.H.

PROJECT NO. 70641  
 DATE: AUGUST, 1994  
 SHEET 32 OF 42





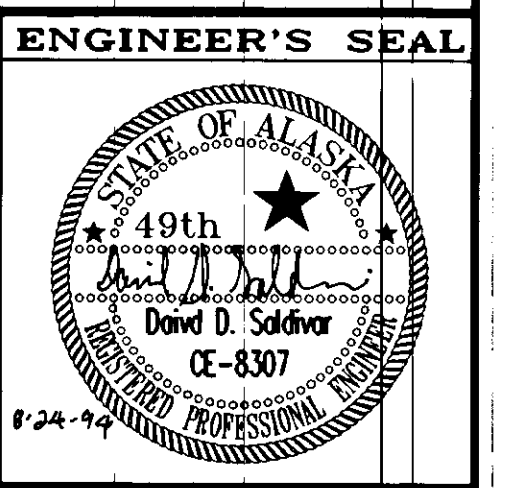
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BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

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

PETERSBURG  
 SEAPLANE FLOAT FACILITY  
 A.I.P. # 3-02-0304-01  
 ALASKA  
 PIPE HANDRAIL DETAILS

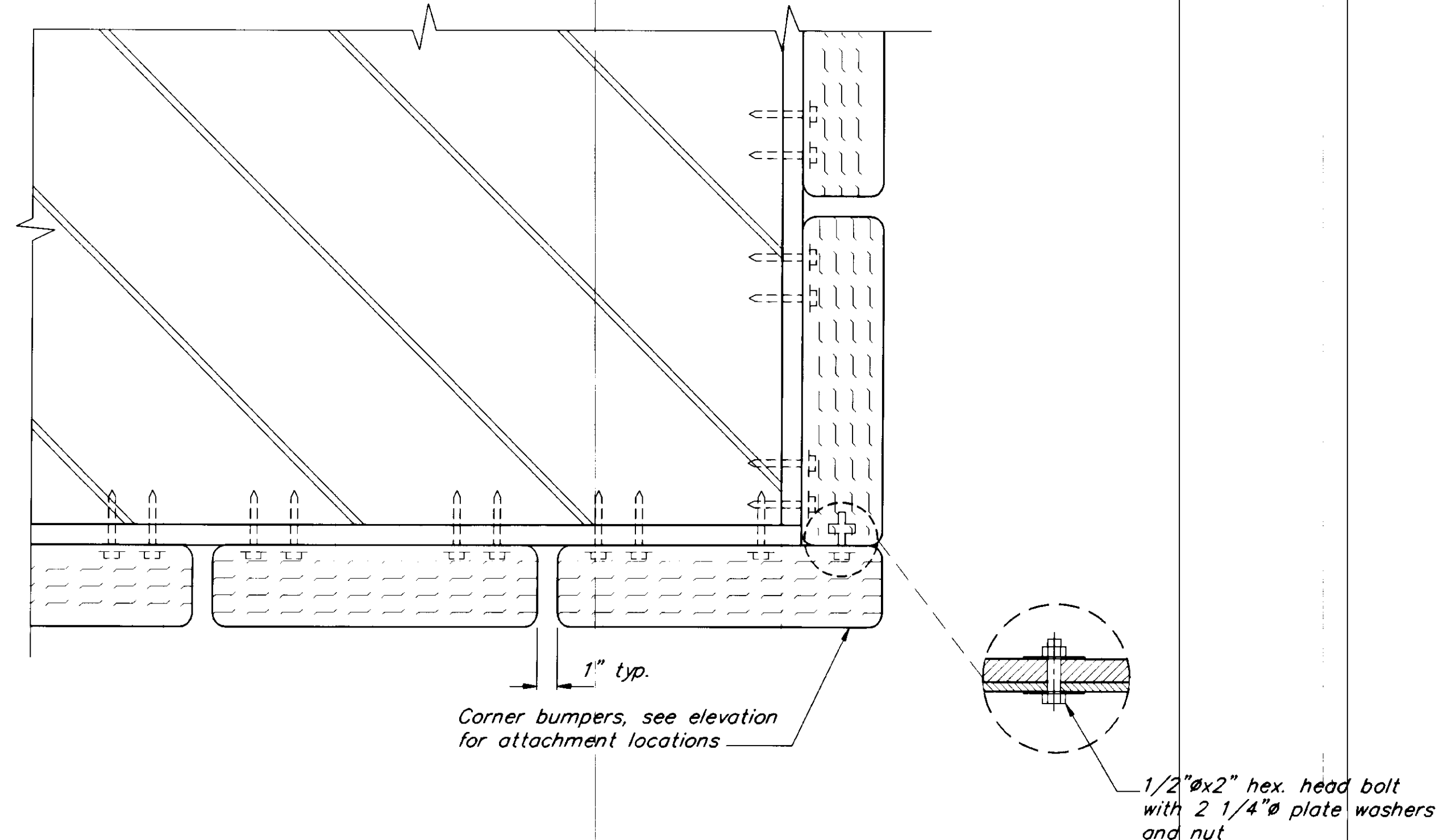
NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

DESIGNED BY: D.D.S.	PROJECT NO. 70641
DRAWN BY: E.W.B.	DATE: AUGUST, 1994
CHECKED BY: M.H.	SHEET 33 OF 42

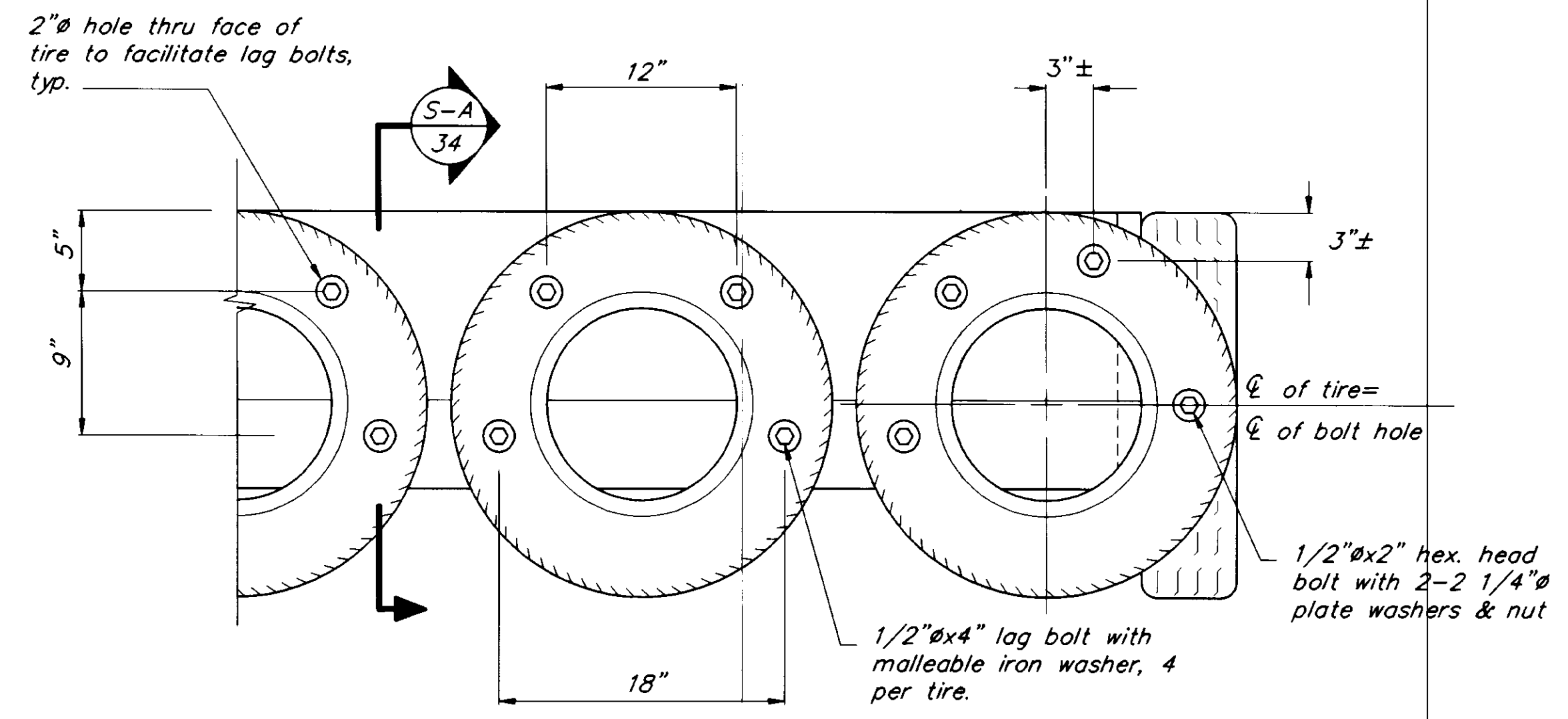


**NOTES :**

1. Tires shall be 13<sup>3/16</sup>" series with a minimum 1/8" deep summer or all season tread. No heavy lugs or studs.
2. All of the tires shall be of the same width with a maximum allowable variation of 1/2".
3. Paint tires per specifications.



**PLAN**



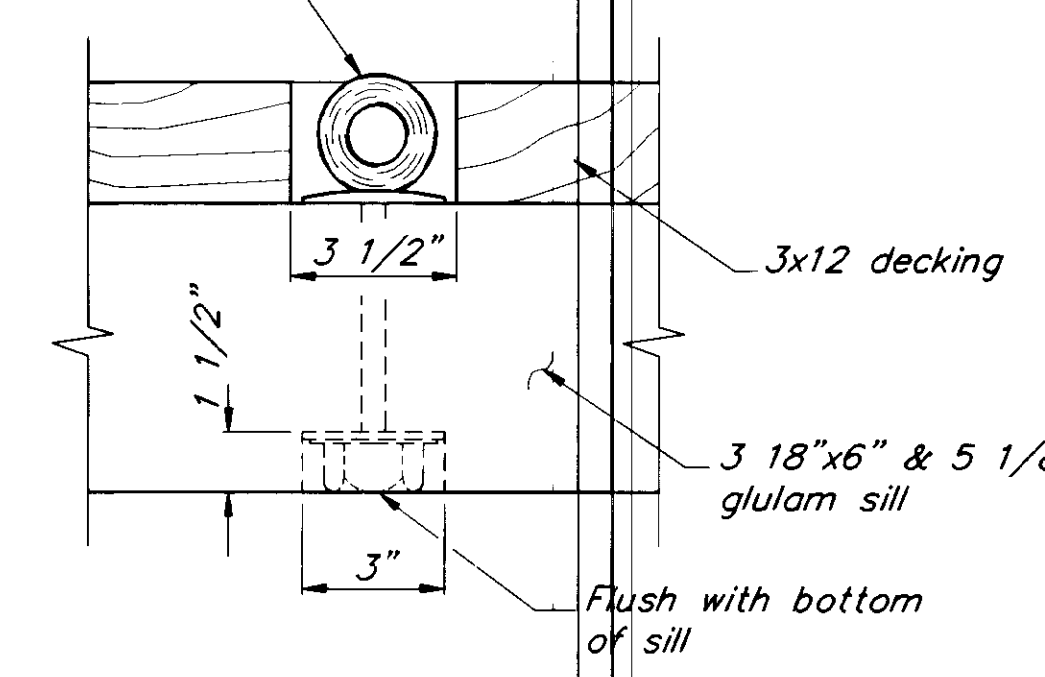
**ELEVATION**

**TIRE BUMPER DETAILS**

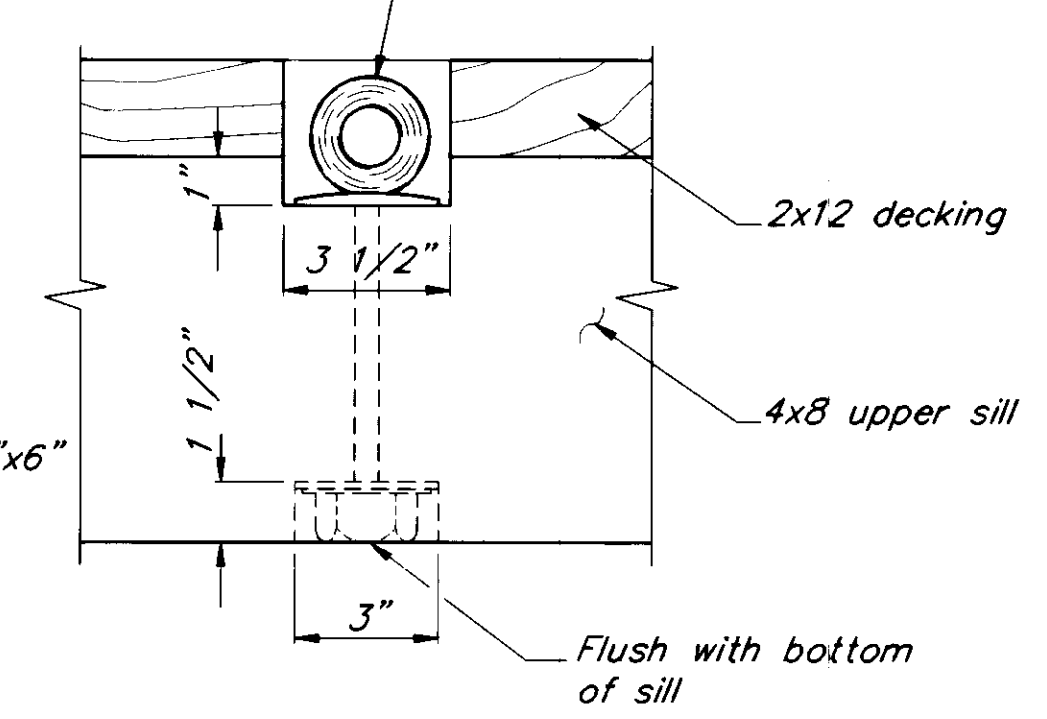
1

NOTE:  
30'x150' seaplane float is shown in these bumper details, but tire bumpers are similar on 44'x195' ramp seaplane float.

5/8" shoulder nut eye bolt with nut & M.I. washer. Tack Weld or Peen thread to prevent removal. For location layout see sheet 16.



**3x12 DECKING**

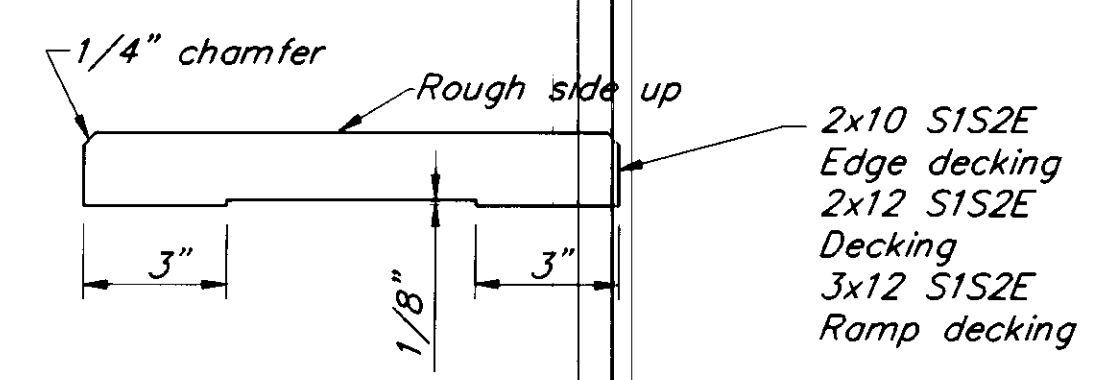


**2x12 DECKING**

**TIE-DOWN DETAIL**

2

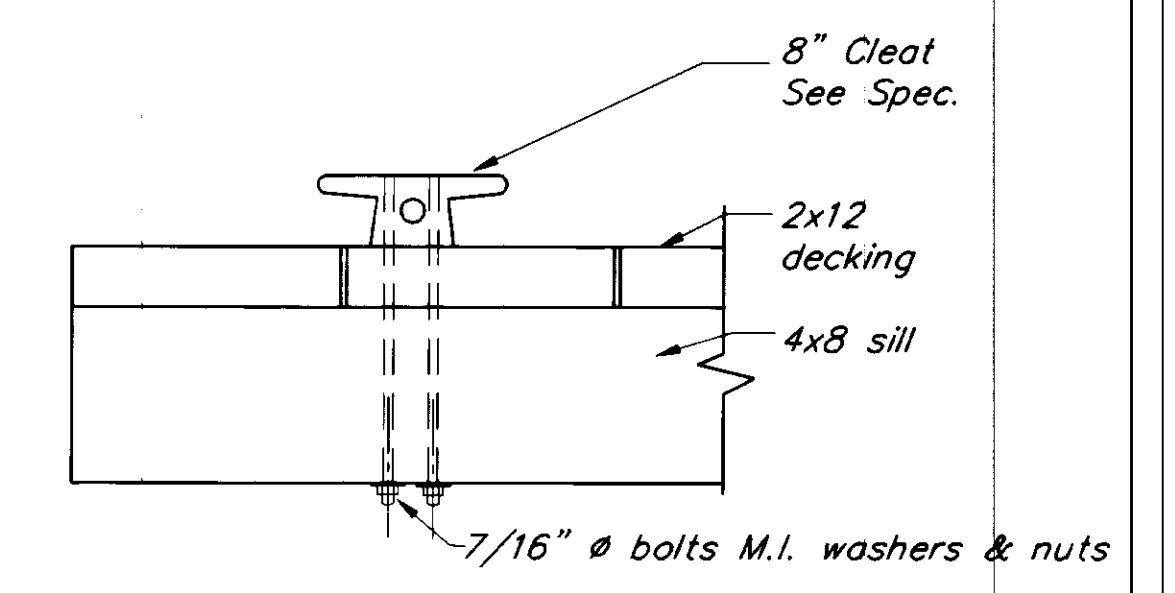
NOTE: Install 1/2" x 10 L.F. soft nylon strand rope at all eye bolts.



**MILLED DECKING DETAIL**

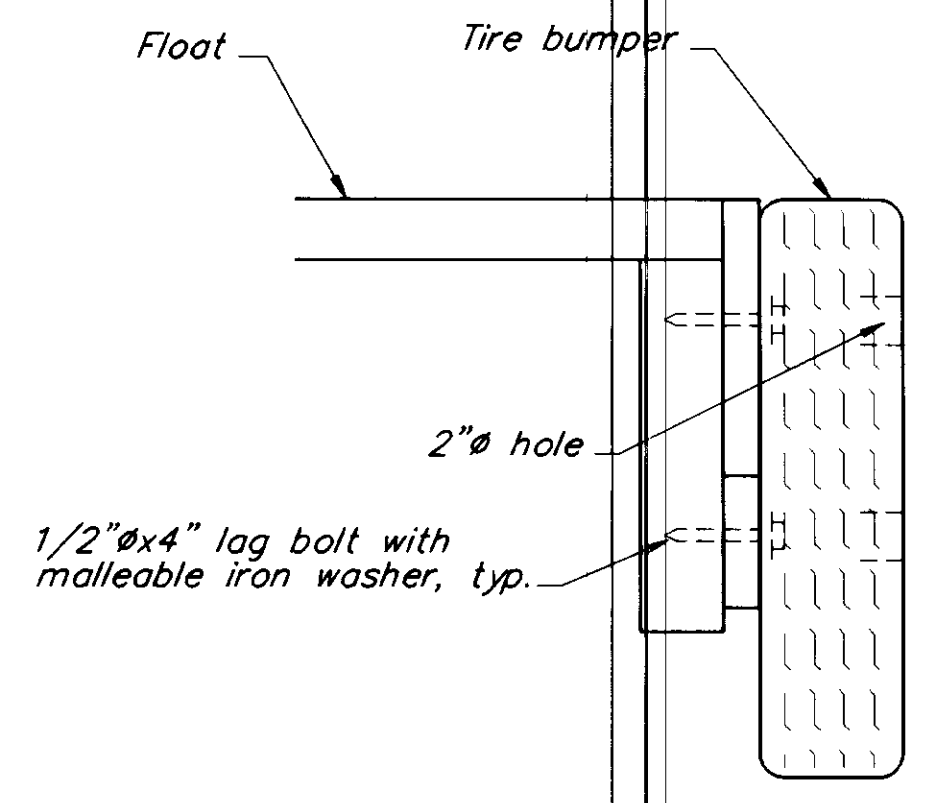
3

Milled side of plank shall be toward center of tree



**CLEAT DETAIL**

4



**SECTION**

A

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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BY:	DATE:
DESCRIPTION OF CHANGE:	
RECORD OF REVISIONS	

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

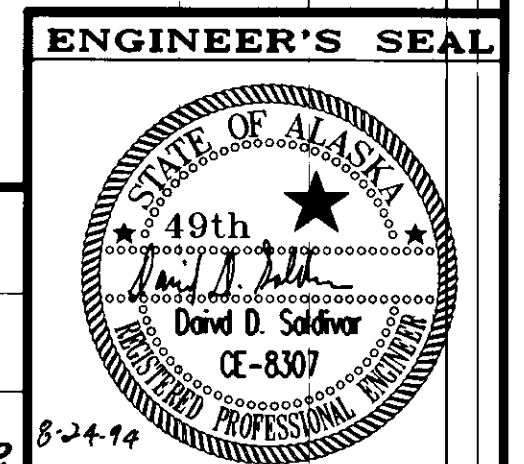
PETERSBURG

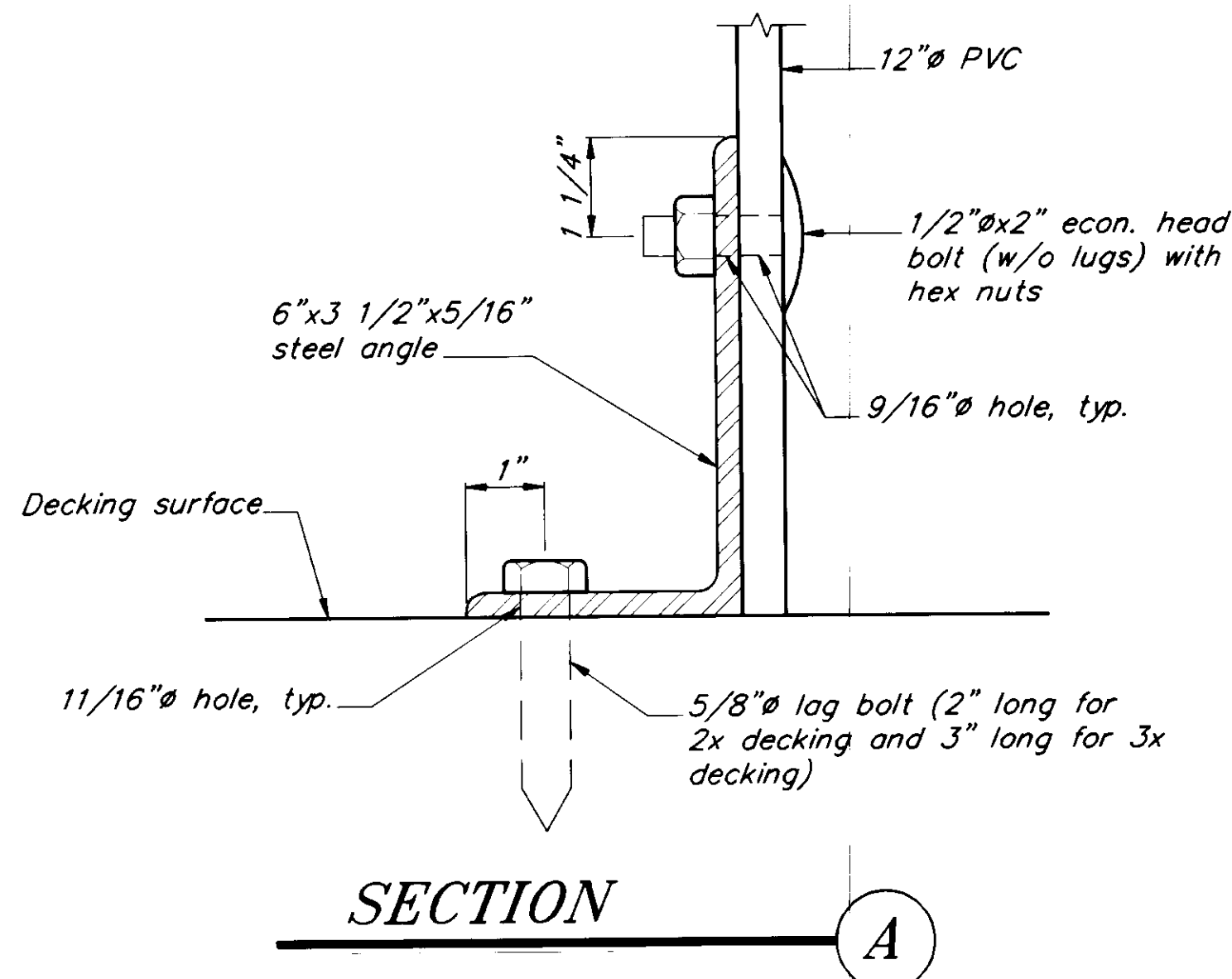
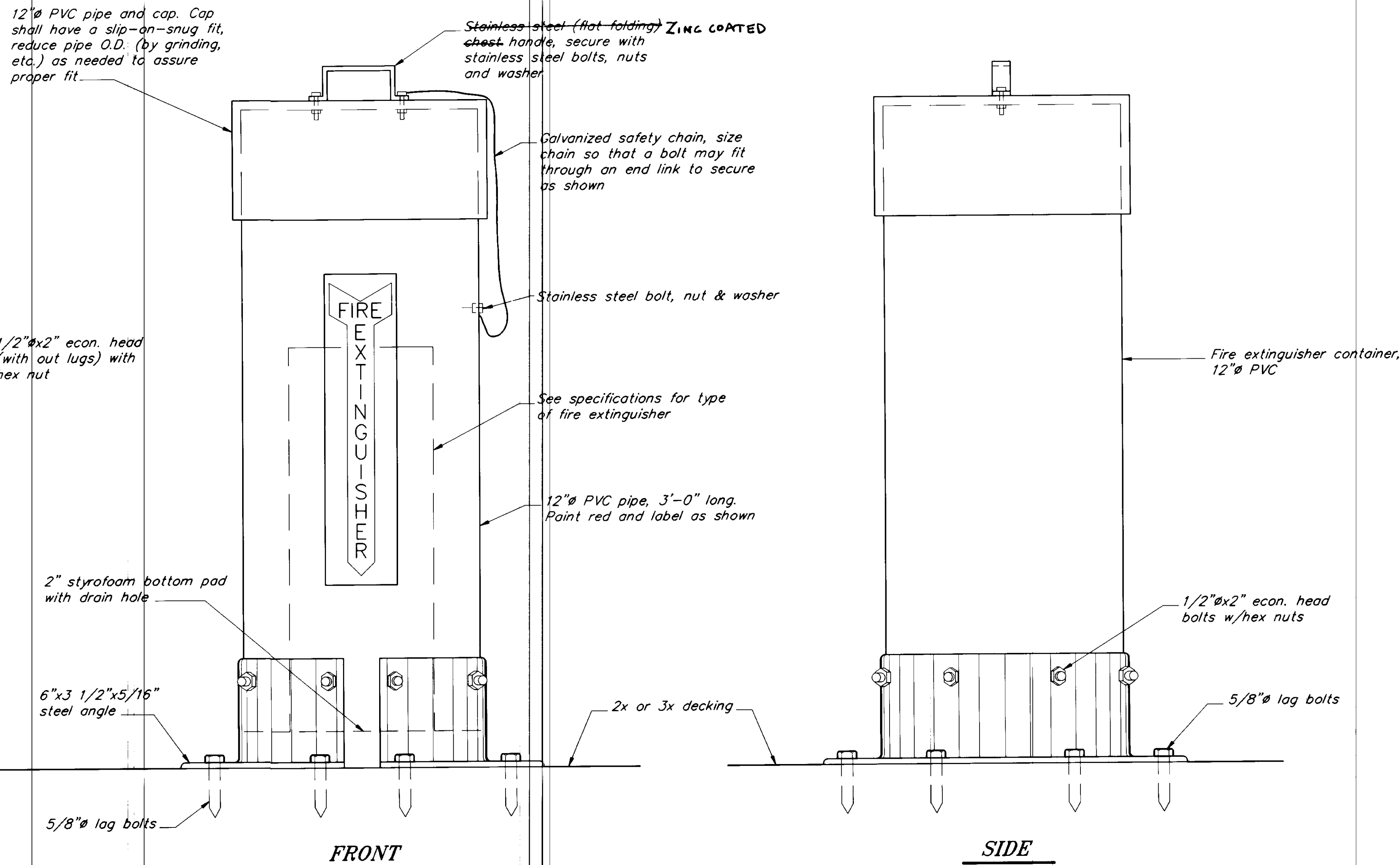
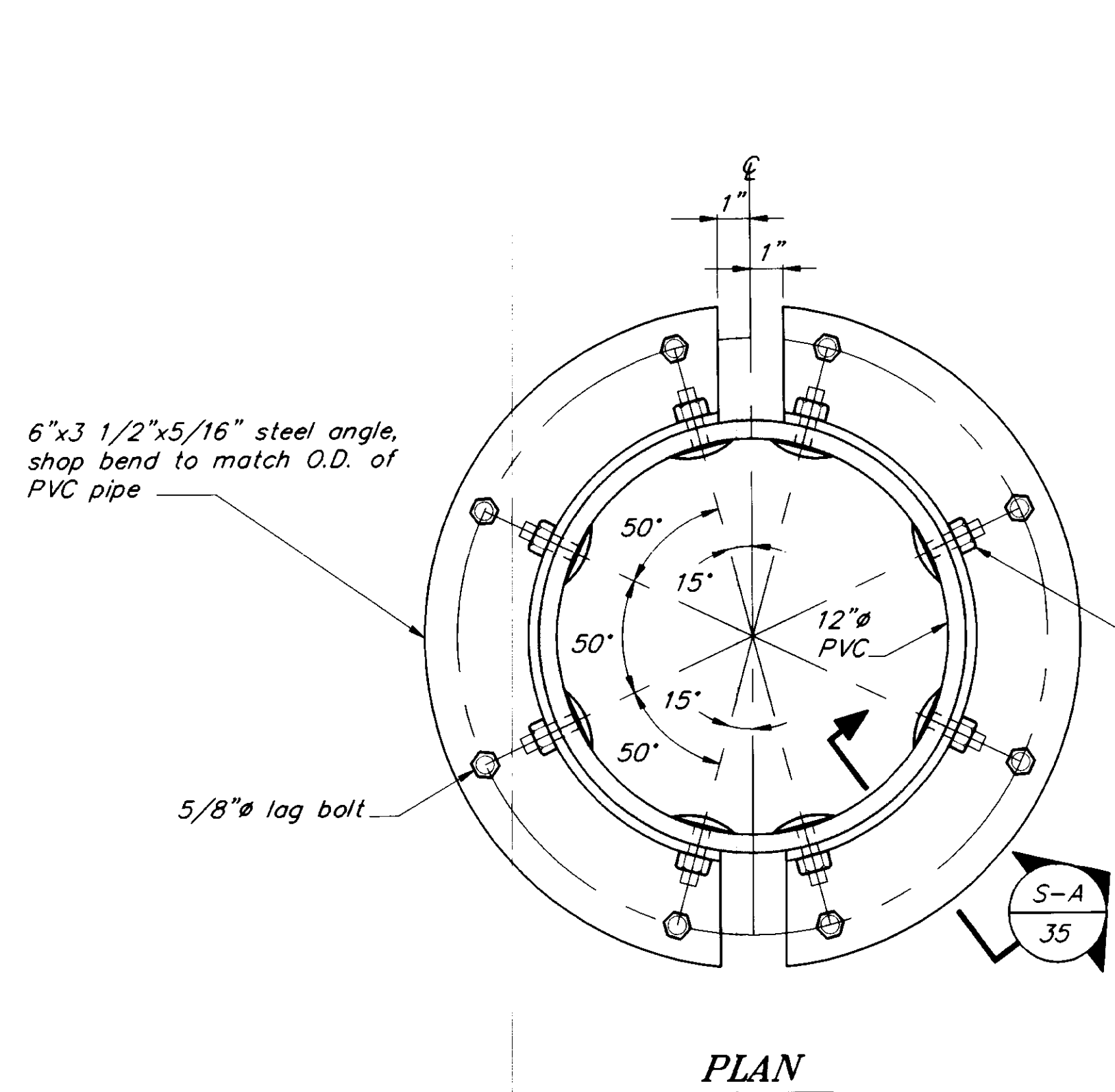
SEAPLANE FLOAT FACILITY  
A.I.P. # 3-02-0304-01  
MISCELLANEOUS DETAILS

ALASKA

DESIGNED BY: D.D.S.  
DRAWN BY: B.W.B.  
CHECKED BY: M.H.

PROJECT NO. 70641  
DATE: AUGUST 1994  
SHEET 34 OF 42





**FIRE EXTINGUISHER & CONTAINER**  
(9 REQUIRED) 1

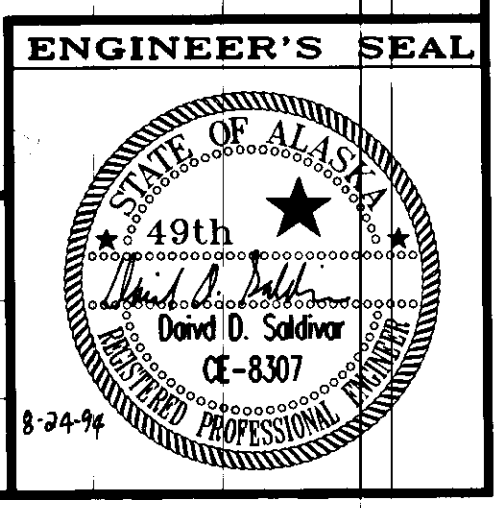
NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

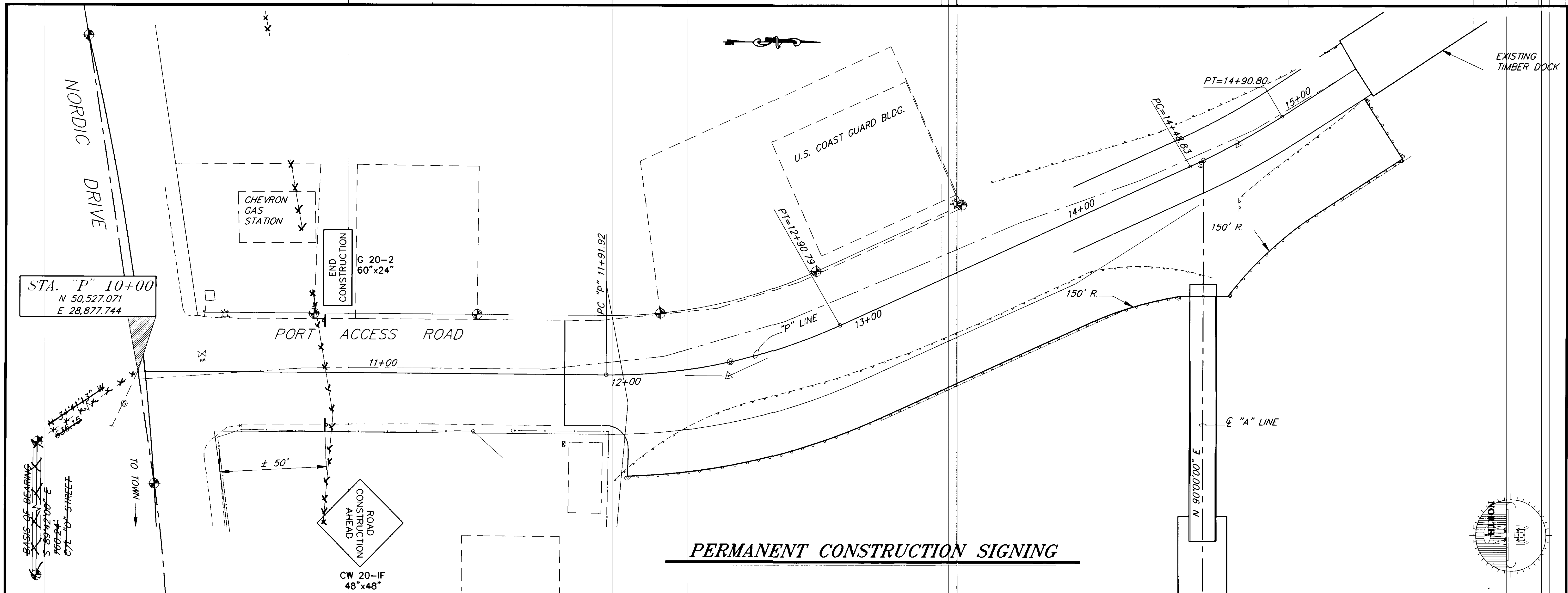
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BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

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

PETERSBURG ALASKA  
SEAPLANE FLOAT FACILITY  
A.I.P. # 3-02-0304-01  
**FIRE EXTINGUISHER & CONTAINER DETAILS**

DESIGNED BY: D.D.S.	PROJECT NO. 70641
DRAWN BY: B.W.B.	DATE: AUGUST, 1994
CHECKED BY: M.H.	SHEET 35 OF 42

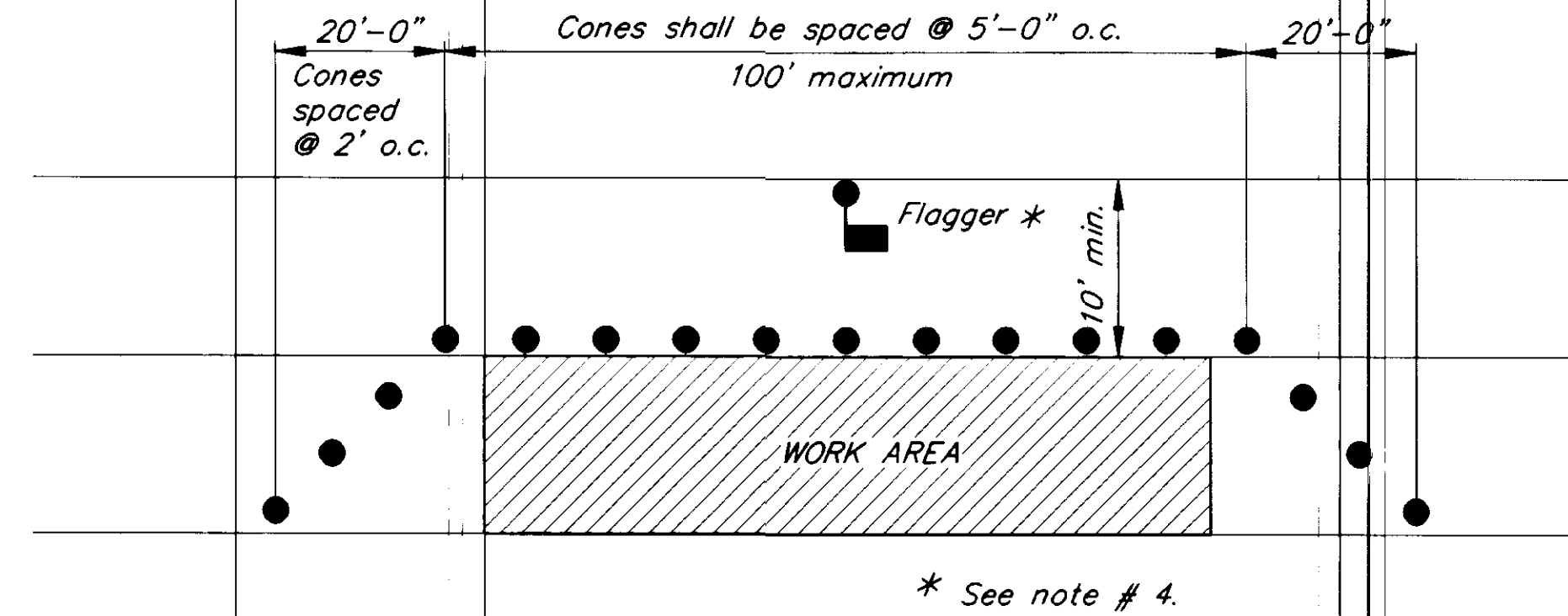




**PERMANENT CONSTRUCTION SIGNING**

**TRAFFIC CONTROL NOTES:**

1. A minimum of one lane shall be maintained at all times at work areas.
2. Driving lanes shall be a minimum width of 10'-0".
3. Cones shall be used for channeling traffic thru construction area. Cones shall be a minimum height of 28 inches.
4. The Contractor shall provide a flagger if it is required by the Project Engineer.
5. The areas of guardrail that is removed shall be delineated using Type II barricade spaced 10'-0" o.c. Barricades shall be lighted.



**SINGLE LANE CLOSURE**

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

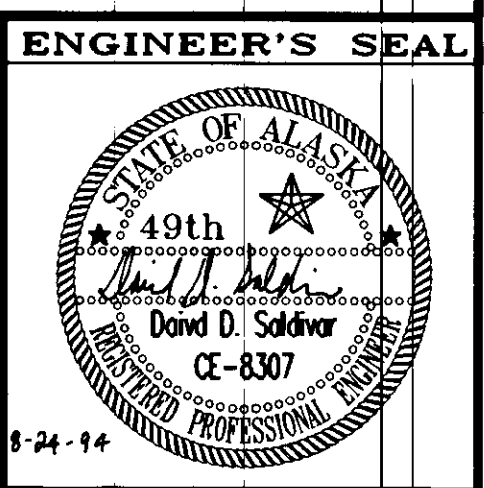
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RECORD OF REVISIONS		

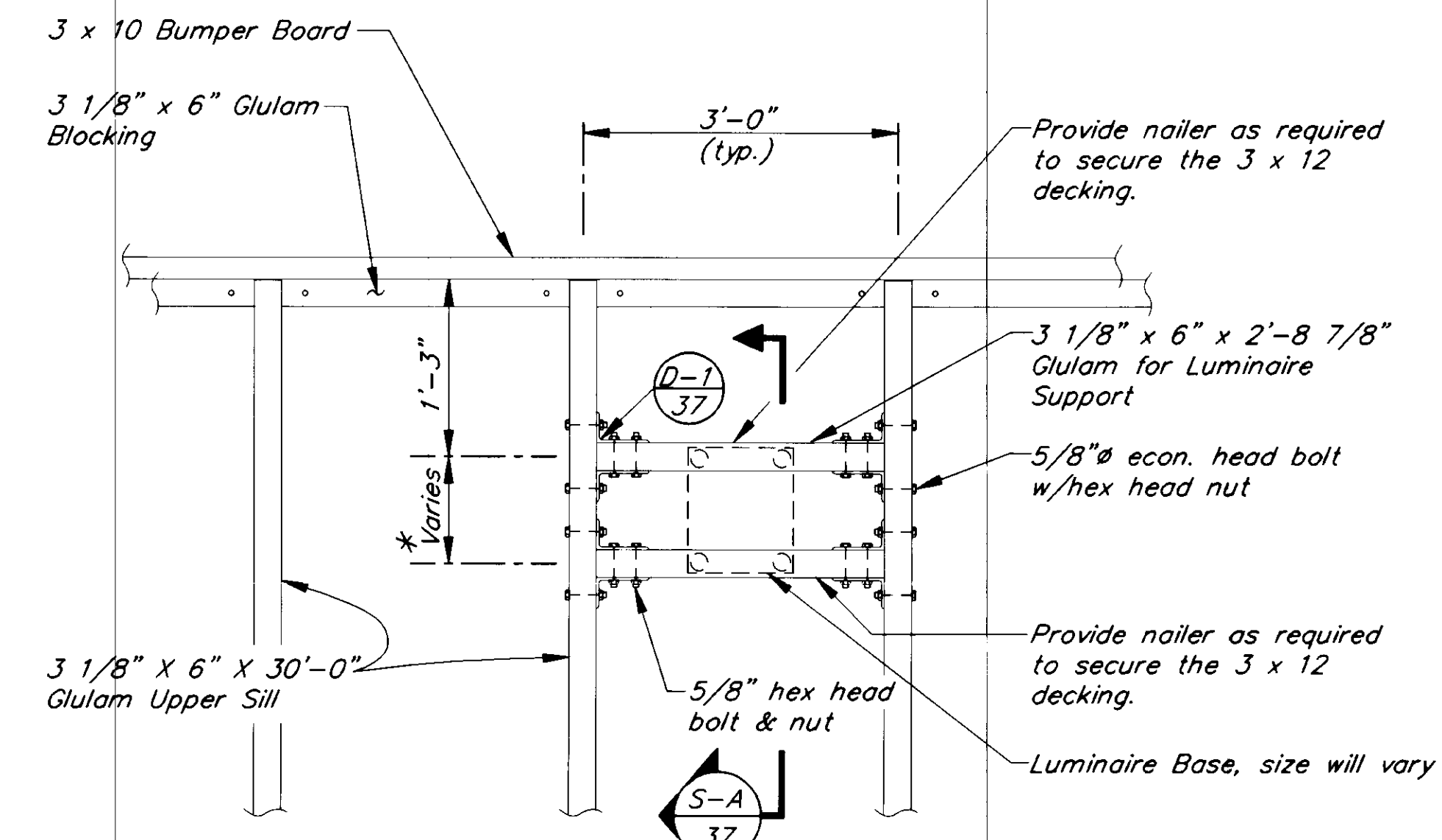
STATE OF ALASKA  
**DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES**  
 SOUTHEAST REGION DESIGN & CONSTRUCTION

PETERSBURG  
**SEAPLANE FLOAT FACILITY**  
 A.I.P. # 3-02-0304-01  
**TRAFFIC CONTROL PLAN**

DESIGNED BY:  
D.D.S.  
 DRAWN BY:  
B.W.B.  
 CHECKED BY:  
M.H.

PROJECT NO.  
70641  
 DATE:  
AUGUST, 1994  
 SHEET 36 OF 42

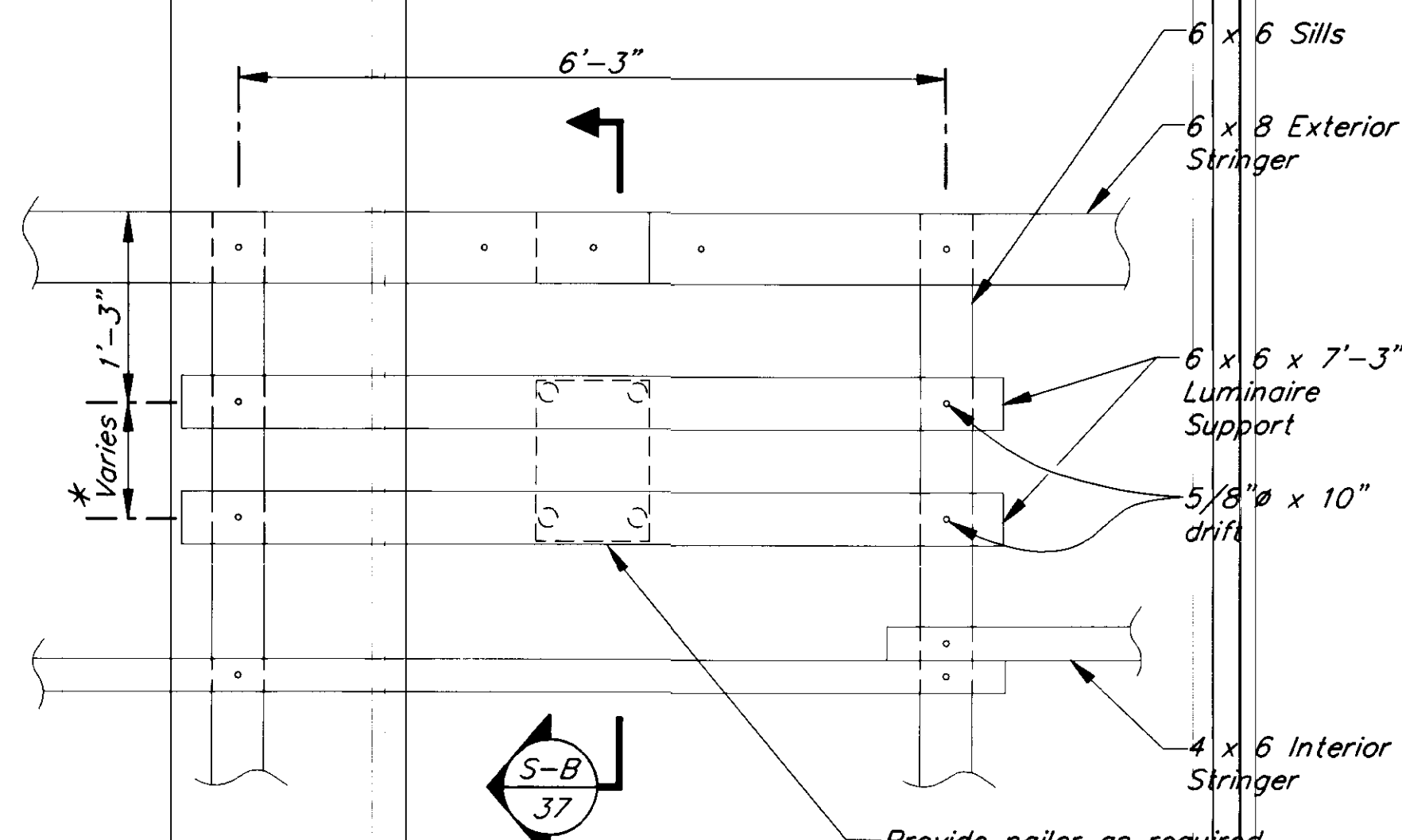




\* Spacing will be determined based on the bolt hole spacing of the luminaire base.

NOTE: Decking not shown for clarity.

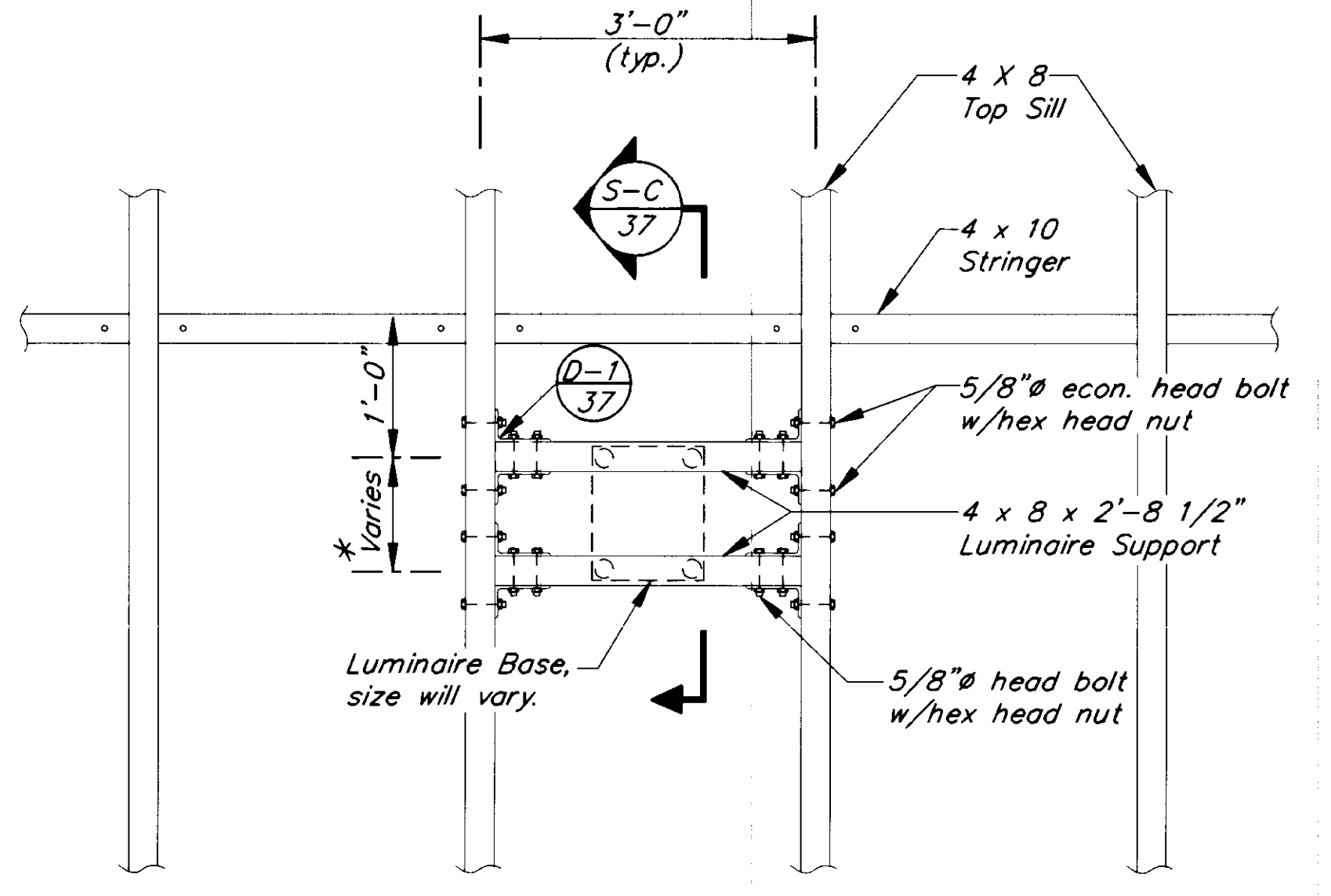
**LUMINAIRE SUPPORT**  
@ 30' X 150' SEAPLANE FLOAT (2)



\* Spacing will be determined based on the bolt hole spacing of the luminaire base.

NOTE: 2 x 10 decking not shown for clarity.

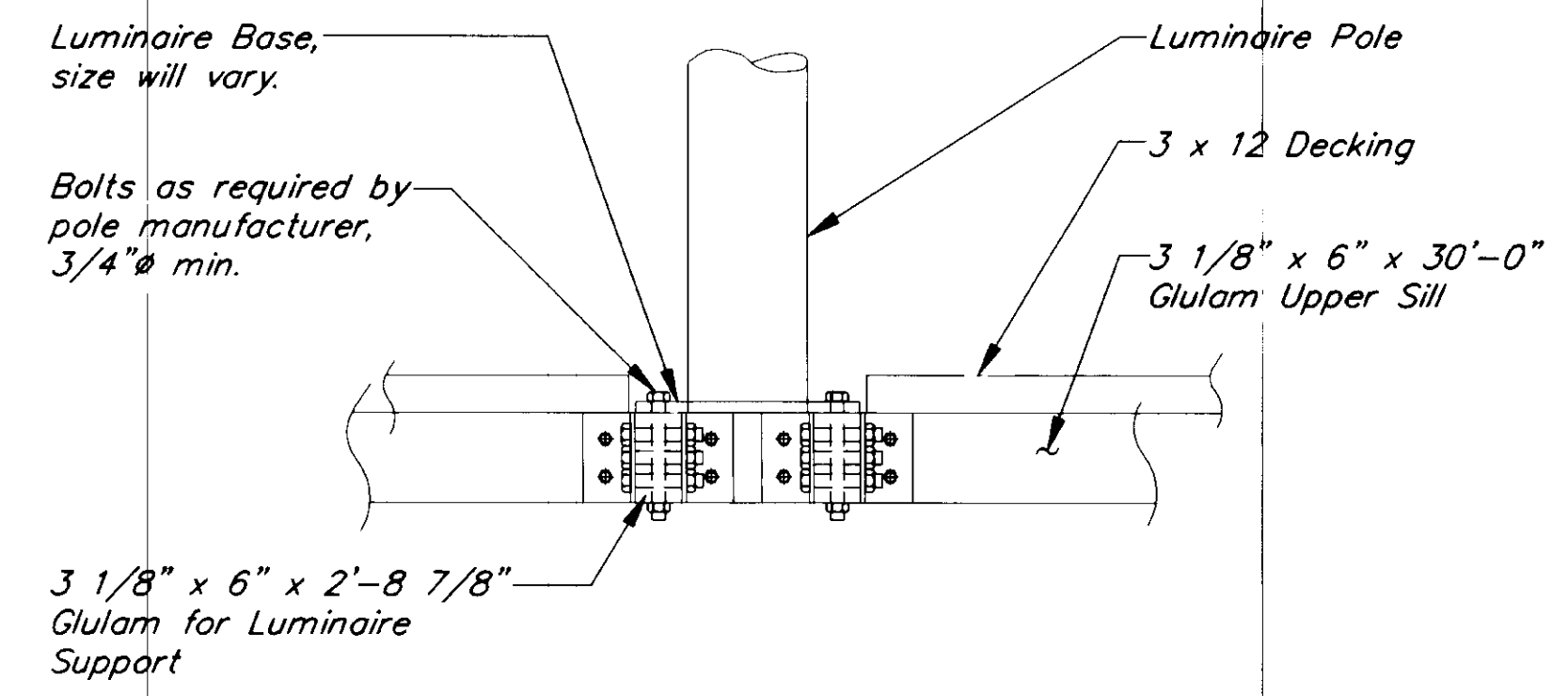
**LUMINAIRE SUPPORT**  
@ 100' X 200' TIMBER FLOAT (3)



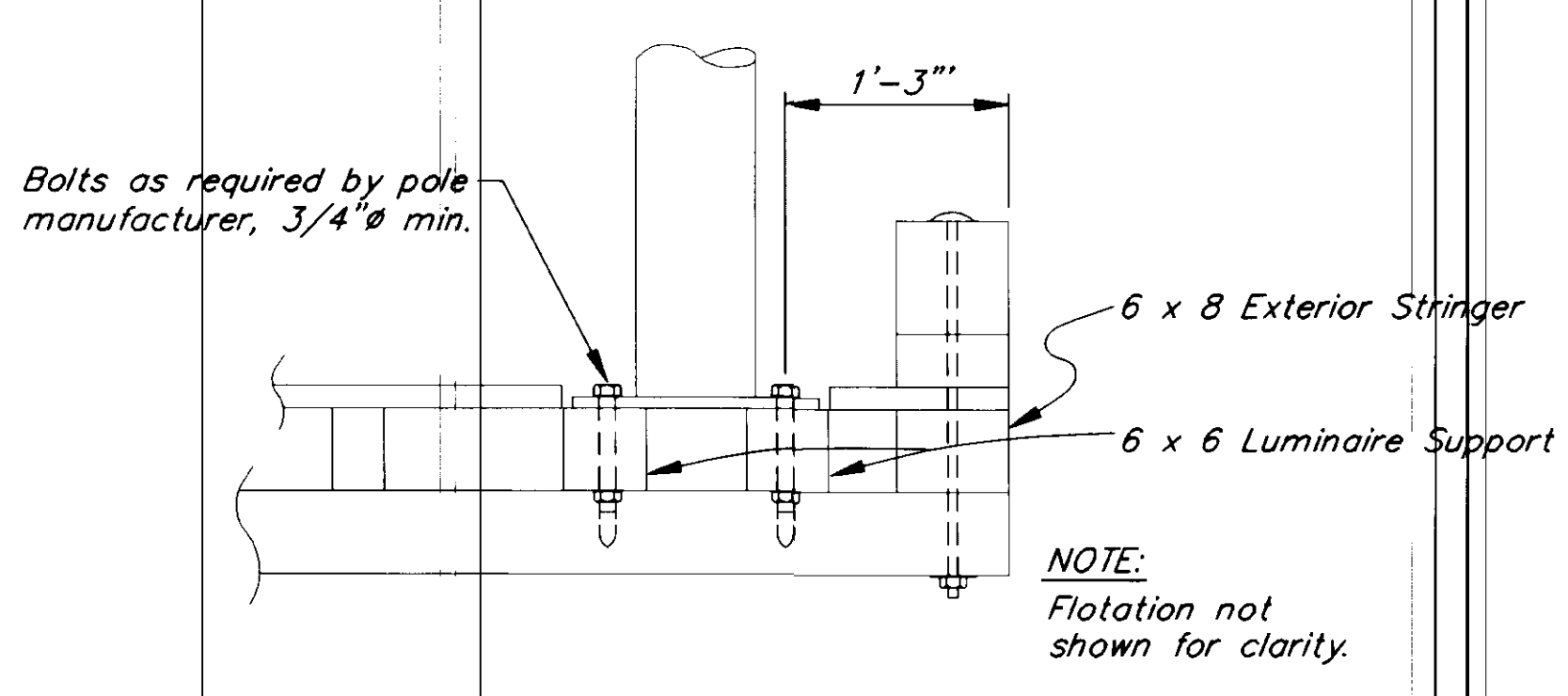
\* Spacing will be determined based on the bolt hole spacing of the luminaire base.

NOTE: 2 x 12 decking not shown for clarity.

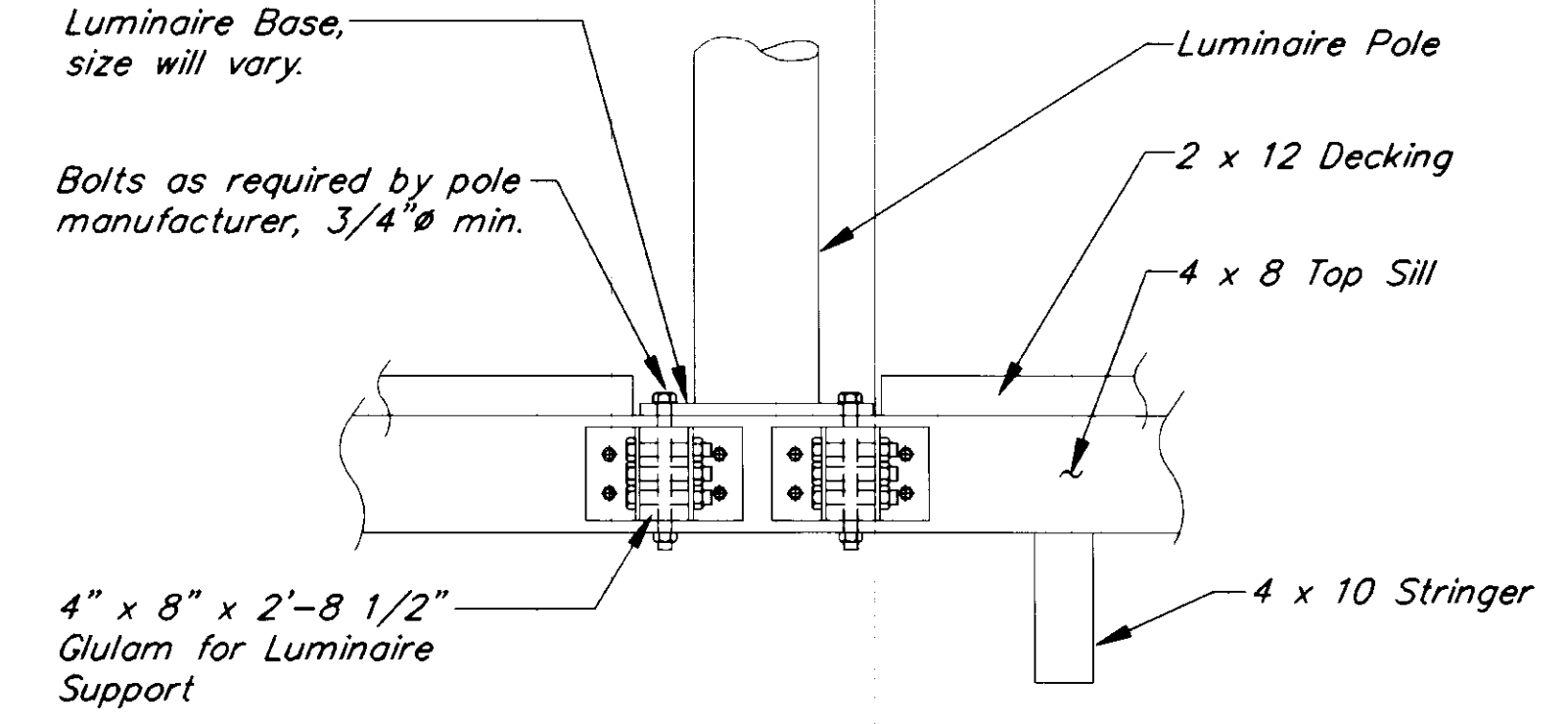
**LUMINAIRE SUPPORT**  
@ 44' X 195' RAMP FLOAT (4)



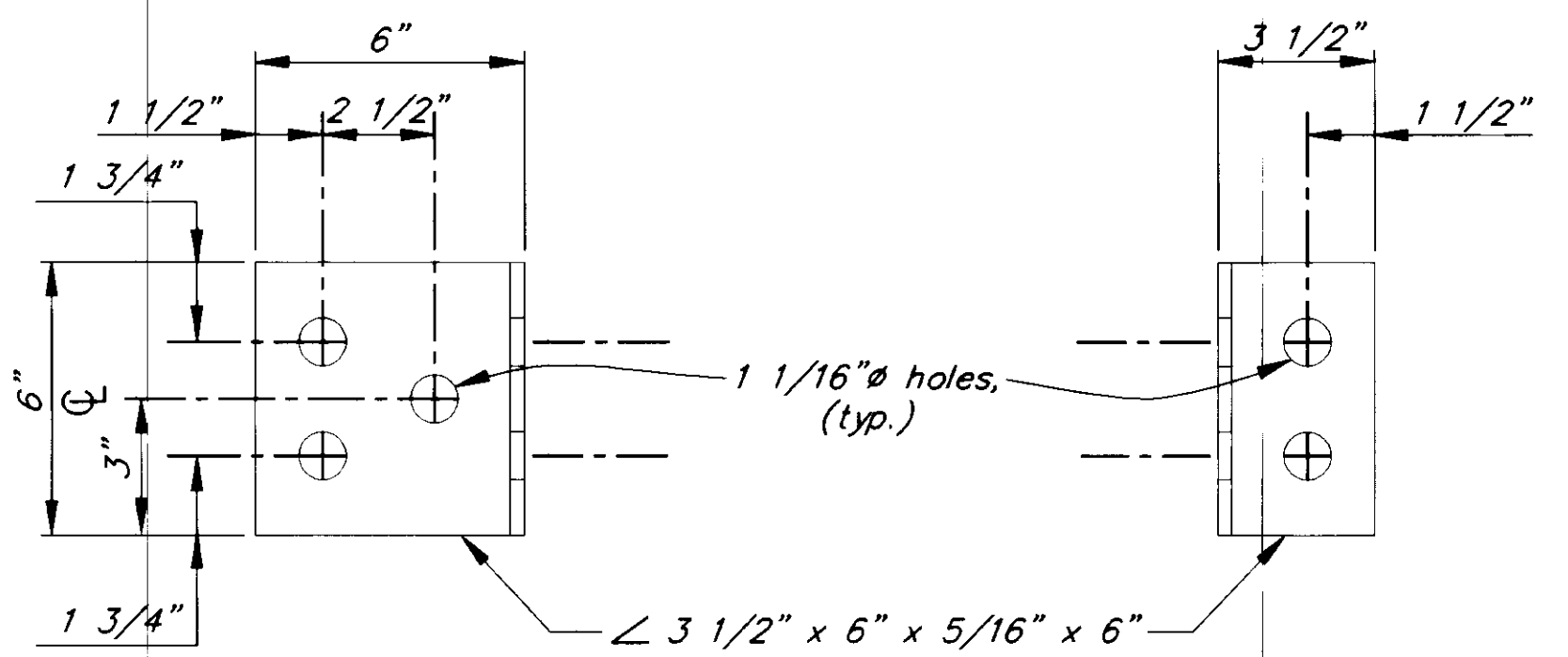
**SECTION A**



**SECTION B**



**SECTION C**



**CONNECTOR DETAIL**  
(1)

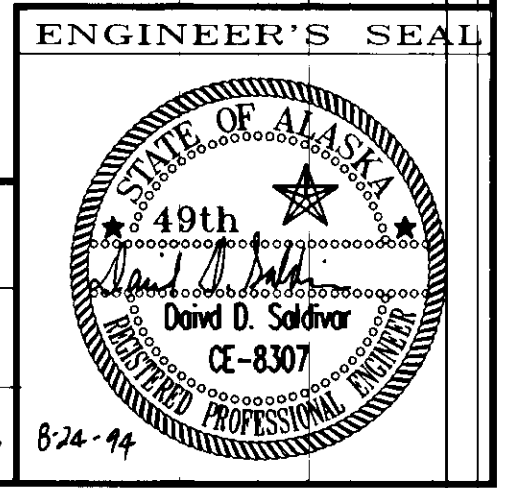
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BY:	DATE:	DESCRIPTION OF CHANGE:
<b>RECORD OF REVISIONS</b>		

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

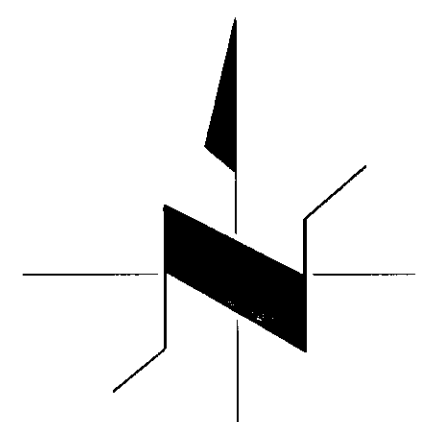
PETERSBURG  
SEAPLANE FLOAT FACILITY  
A.I.P. # 3-02-0304-01  
LUMINAIRE SUPPORT DETAIL

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

DESIGNED BY: D.D.S.	PROJECT NO. 70641
DRAWN BY: R.K.S.	DATE: AUGUST 1994
CHECKED BY: M.H.	SHEET 37 OF 42



0.0 0.25 0.5 MILES



**DREDGE DISPOSAL SITE**

KUPREANOF ISLAND

SASBY I.

**PROJECT LOCATION**

Wrangell Narrows

PETERSBURG

MITKOF ISLAND

LOCATION OF DISPOSAL SITE

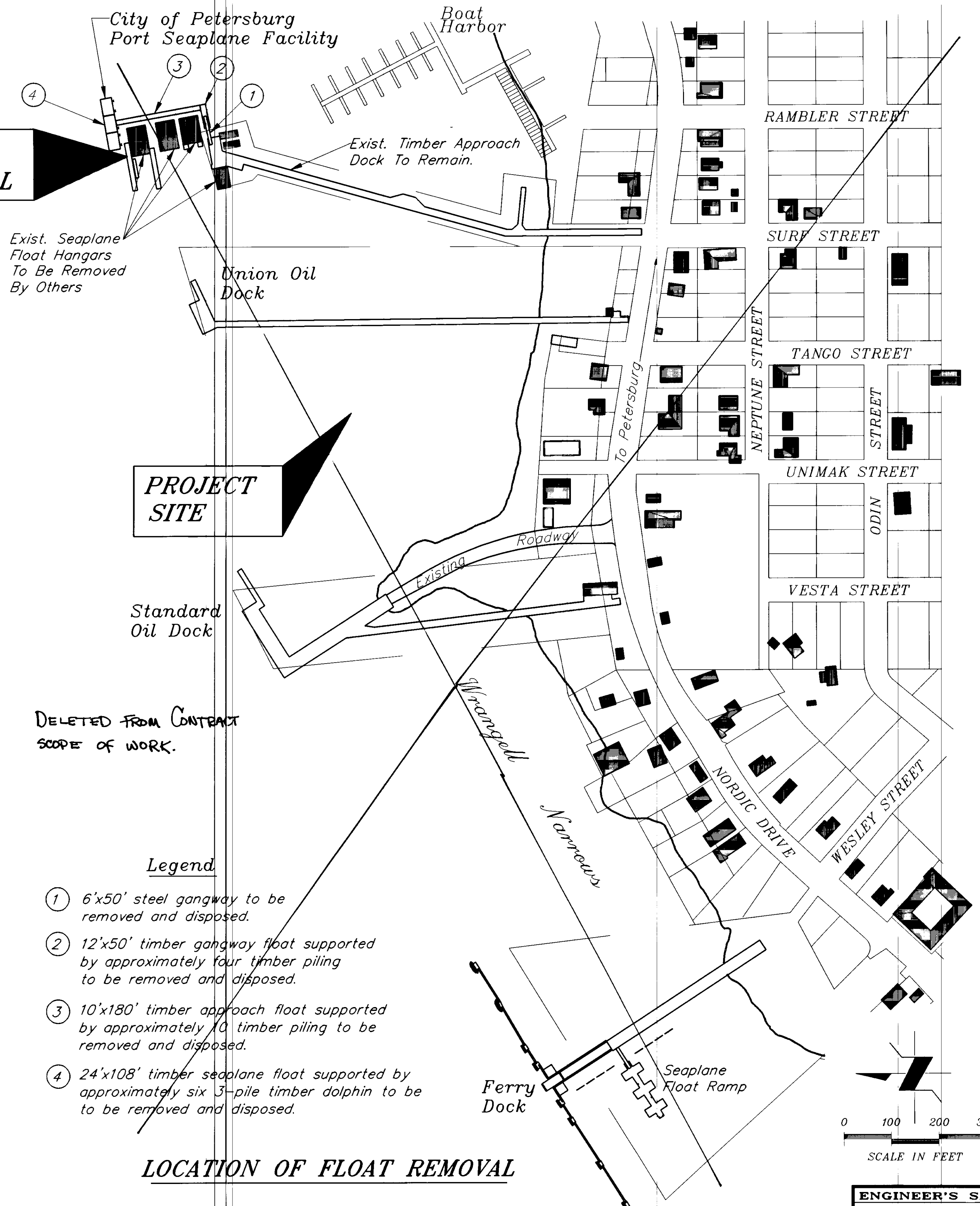
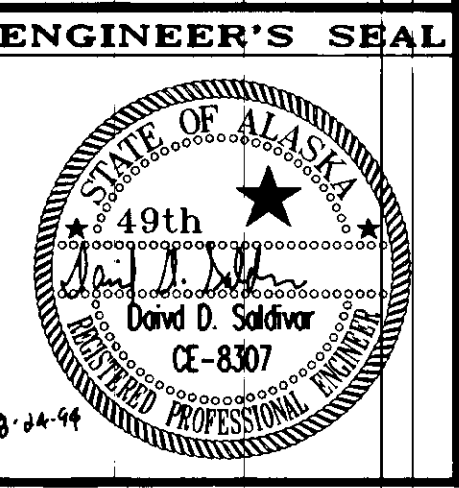
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BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

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

PETERSBURG  
 SEAPLANE FLOAT FACILITY  
 A.I.P. # 3-02-0304-01  
 ALASKA  
 EXISTING FLOAT REMOVAL AND DISPOSAL SITE

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

DESIGNED BY: D.D.S.	PROJECT NO. 70641
DRAWN BY: J.P.	DATE: AUGUST 1994
CHECKED BY: M.H.	SHEET 38 OF 42



**PROJECT SITE**

**FLOAT REMOVAL**




DELETED FROM CONTRACT  
 SCOPE OF WORK.

Legend

- ① 6'x50' steel gangway to be removed and disposed.
- ② 12'x50' timber gangway float supported by approximately four timber piling to be removed and disposed.
- ③ 10'x180' timber approach float supported by approximately 10 timber piling to be removed and disposed.
- ④ 24'x108' timber seaplane float supported by approximately six 3-pile timber dolphin to be removed and disposed.

LOCATION OF FLOAT REMOVAL


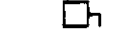

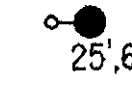
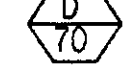


### LUMINAIRE SCHEDULE

FIXTURE I.D.	DESCRIPTION & FINISH	VOLTAGE & FIXTURE VA	LAMPS & BALLAST	MOUNTING AND REMARKS MANUFACTURE/CATALOG NO.
	STANCHION MOUNTED HID LUMINAIRE. COPPER-FREE ALUMINUM DIE-CAST HOUSING. STAINLESS STEEL HARDWARE. SILICONE GASKET. PRISMATIC BOROSILICATE GLASS REFRACTOR. FINISH IS THERMOSETTING POLYESTER POWDER-COAT PAINT. OPTICS ARE ASYMMETRIC, LONG-NARROW DISTRIBUTION. U.L. LISTED FOR UL 595 MARINE OUTDOOR, UL 1572 WET LOCATION.	208 96	(1) OSRAM LU70, HPF	DESIGN FOR 100 MPH WIND. HOLOPHANE PETROLUX II PETL-070HP-20-541-S OR APPROVED EQUAL. OFFSET THE SOCKET TO THROW THE LIGHT FORWARD AWAY FROM THE POLE. FIBERGLASS POLE DESIGNED FOR 100 MPH WIND SPEED. W.J. WHATLEY OR APPROVED EQUAL. BOLT CIRCLE AT LEAST 12".
	STANCHION MOUNTED HID LUMINAIRE. COPPER-FREE ALUMINUM DIE-CAST HOUSING. STAINLESS STEEL HARDWARE. SILICONE GASKET. PRISMATIC BOROSILICATE GLASS REFRACTOR. FINISH IS THERMOSETTING POLYESTER POWDER-COAT PAINT. OPTICS ARE ASYMMETRIC, LONG-NARROW DISTRIBUTION. U.L. LISTED FOR UL 595 MARINE OUTDOOR, UL 1572 WET LOCATION.	208 137	(1) OSRAM LU100, HPF	DESIGN FOR 100 MPH WIND. HOLOPHANE PETROLUX II PETL-100HP-20-541-S OR APPROVED EQUAL. OFFSET THE SOCKET TO THROW THE LIGHT FORWARD AWAY FROM THE POLE. FIBERGLASS POLE DESIGNED FOR 100 MPH WIND SPEED. W.J. WHATLEY OR APPROVED EQUAL. BOLT CIRCLE AT LEAST 12".
	TENON MOUNTED HID FLOODLIGHT. COPPER-FREE ALUMINUM DIE-CAST HOUSING. STAINLESS STEEL HARDWARE. SILICONE GASKET. TEMPERED GLASS LENS. ANODIZED REFLECTOR. 10mg PER SQ. INCH MIN. FINISH IS THERMOSETTING POLYESTER POWDER-COAT PAINT. U.L. LISTED FOR UL 595 MARINE OUTDOOR, UL 1572 WET LOCATION.	208 218	(1) OSRAM LU150/55, HPF	DESIGN FOR 100 MPH WIND. HOLOPHANE PREDATOR PD-15AHP-20-KL-N-3-G OR APPROVED EQUAL. PROVIDE WITH SLIP FIT ADAPTER FOR TENON MOUNTING. FIBERGLASS POLE DESIGNED FOR 100 MPH WIND SPEED. W.J. WHATLEY OR APPROVED EQUAL. BOLT CIRCLE AT LEAST 12".

### PANEL SCHEDULE

A.I.P. C. RATING: 10,000					PANEL: A		VOLTS: 208 / 120				CIRCUIT CONDUCTORS	
LOCATION: MOUNTING:					BUS AMPS: 600A MAIN LUGS ONLY		MAIN BKR.:					
CIRCUIT CONDUCTORS	CIRCUIT DESCRIPTION	LOAD		BRKR AMPS	CRKT #	PHASE	CRKT #	LOAD			CIRCUIT DESCRIPTION	
		TYPE	VA					BRKR AMPS	VA	TYPE		CIRCUIT DESCRIPTION
3/C*1 & 1*3 GND. TYPE G	HANGAR FLOAT #1	X	8320	100/2	1	A	2	100/2	8320	X	HANGAR FLOAT #2	3/C*1 & 1*3 GND. TYPE G
3/C*1 & 1*3 GND. TYPE G	HANGAR FLOAT #3	X	8320	100/2	5	C	6	100/2	8320	X	HANGAR FLOAT #4	3/C*1 & 1*3 GND. TYPE G
3/C*1 & 1*3 GND. TYPE G	HANGAR FLOAT #5	X	8320	100/2	7	A	8	100/2	8320	X	HANGAR FLOAT #6	3/C*1 & 1*3 GND. TYPE G
	SPACE				9	B	10	100/2	8320	X	FLOAT LIGHTING	2/C*8 & 1*10 GND. TYPE G
	SPACE				11	C	12	20/2	774	X		
	SPACE				13	A	14					
	SPACE				15	B	16					
	SPACE				17	C	18					
	SPACE				19	A	20					
	SPACE				21	B	22					
	SPACE				23	C	24					
	SPACE				25	A	26					
	SPACE				27	B	28					
	SPACE				29	C	30					
CONNECTED LOADS:					KVA	AMPS	NEC KVA	NEC AMPS	REMARKS:			
PHASE A:					33.3	277.3	33.3	277.3				
PHASE B:					34.1	283.8	34.2	285.4				
PHASE C:					34.1	283.8	34.2	285.4				
TOTAL :					101.4		101.8					

### SYMBOL LEGEND

	PANELBOARD
	CIRCUIT BREAKER DISCONNECT
	BRANCH CIRCUIT HOMERUN WITH PANEL AND CIRCUITS DESIGNATED.
	LUMINAIRE, MOUNTING HEIGHT SHOWN (AND TILT ANGLE FOR FLOOD LIGHTS)
	LIGHT FIXTURE IDENTIFICATION $\frac{\text{FIXTURE TYPE}}{\text{LAMP WATTAGE}}$
	GROUND
	PHOTOCELL

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

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

PETERSBURG

SEAPLANE FLOAT FACILITY  
A.I.P. # 3-02-0304-01

ALASKA

DESIGNED BY: R.R.K.

PROJECT NO. 70641

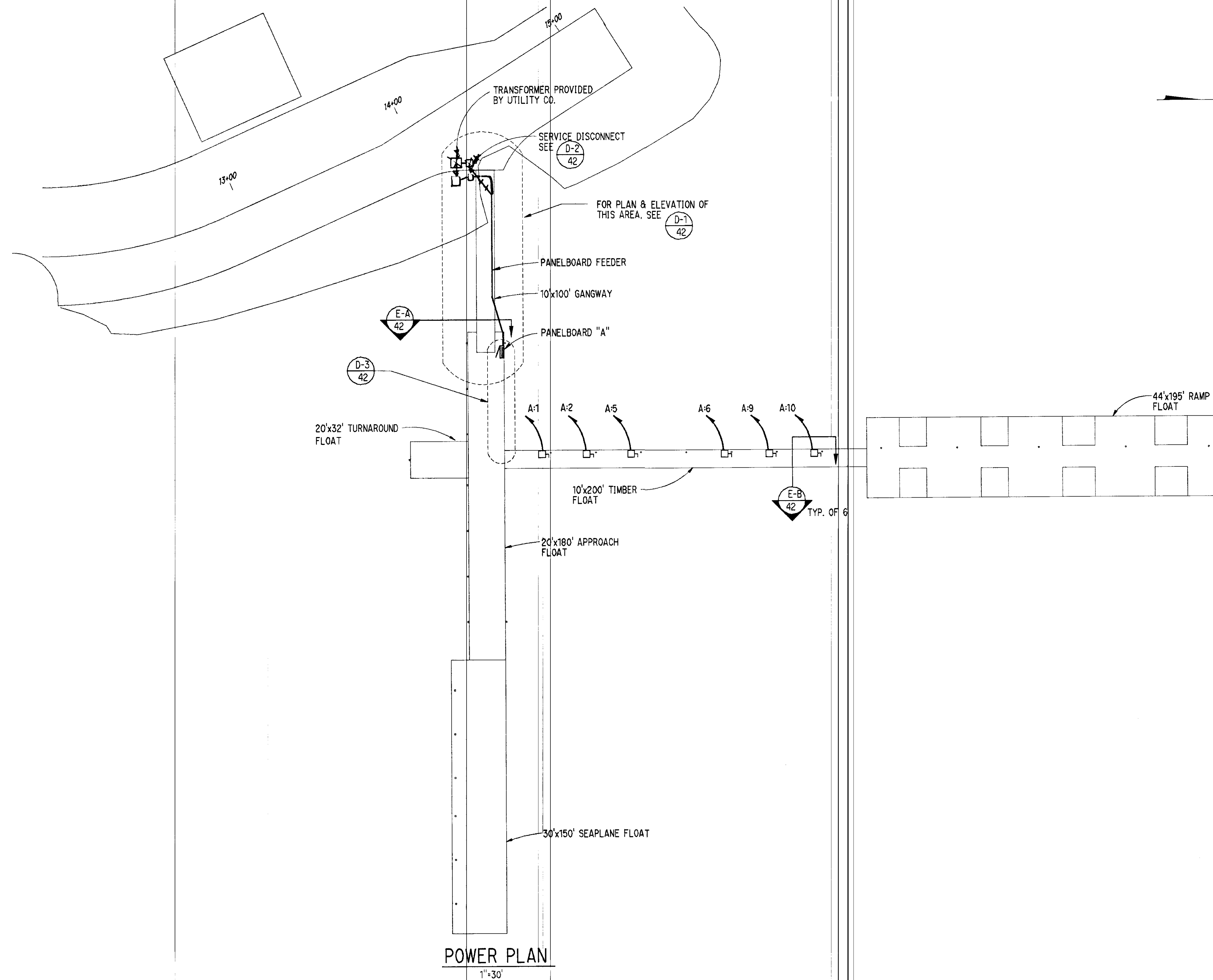
DRAWN BY: G.P.

DATE: 8-23-94

CHECKED BY:

SHEET 39 OF 42

ENGINEER'S SEAL



**POWER PLAN**

1"=30'

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH:	DATE:	DESCRIPTION OF CHANGE:

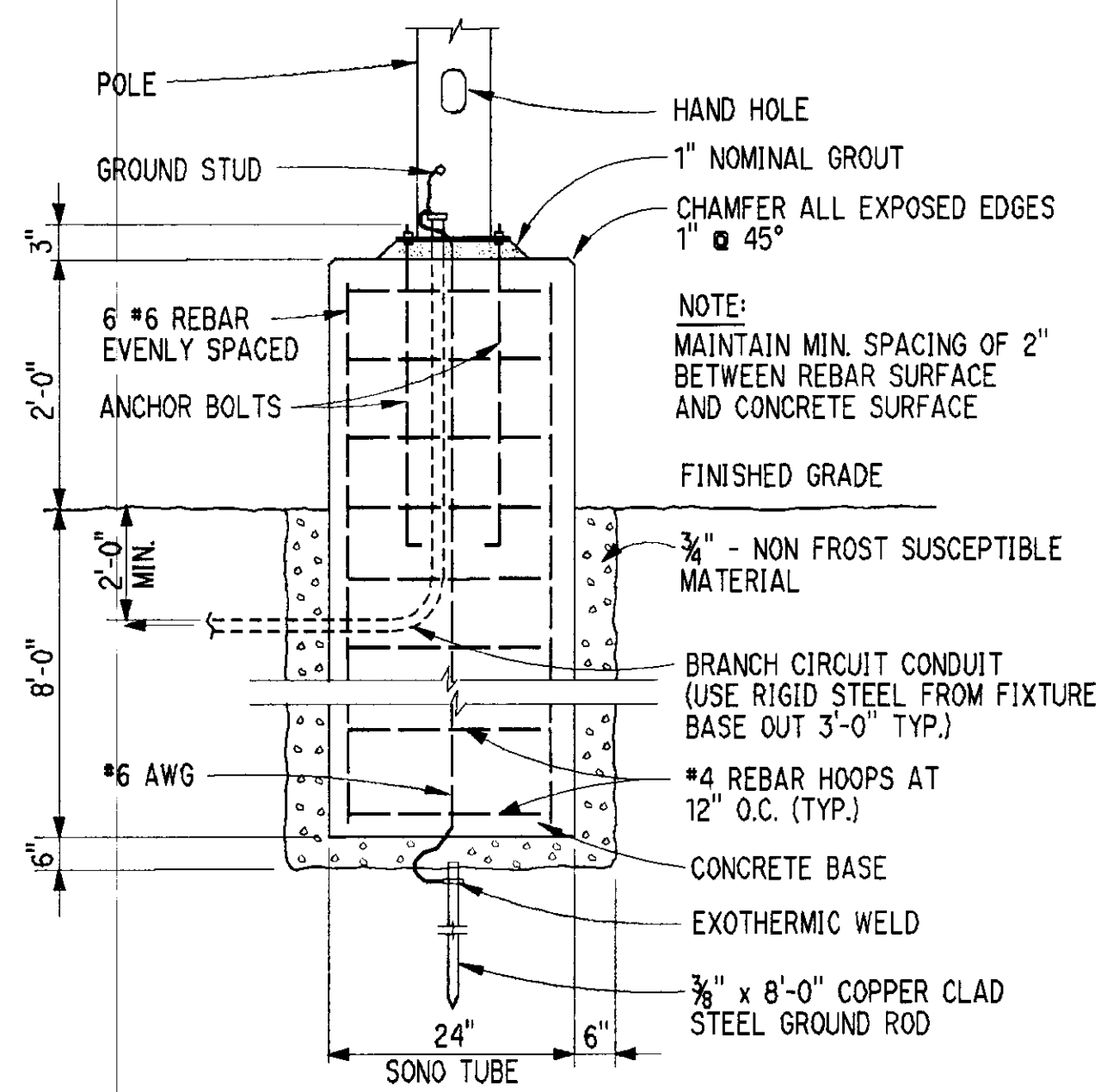
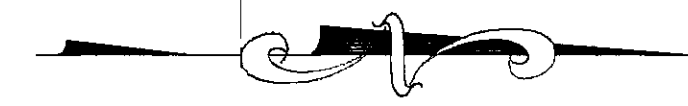
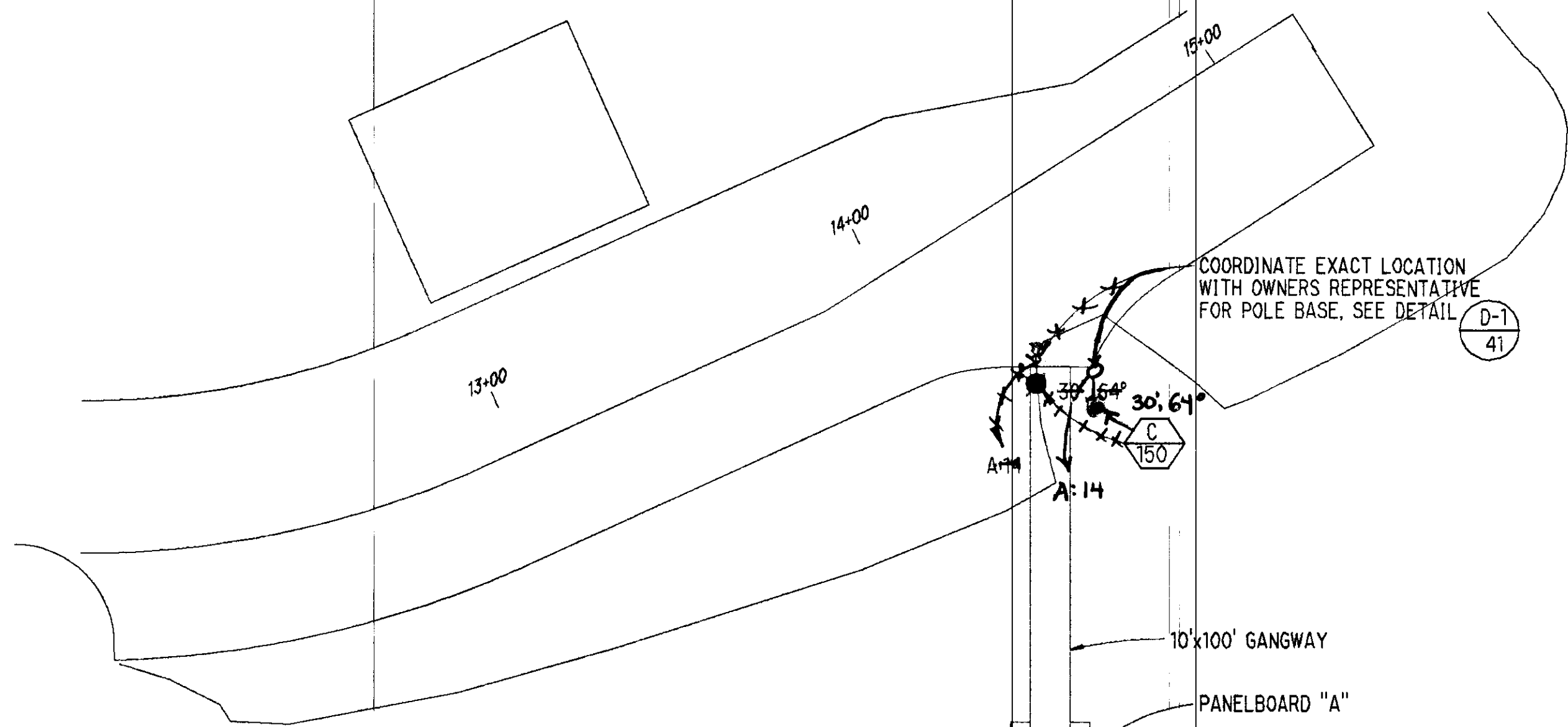
**RECORD OF REVISIONS**

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

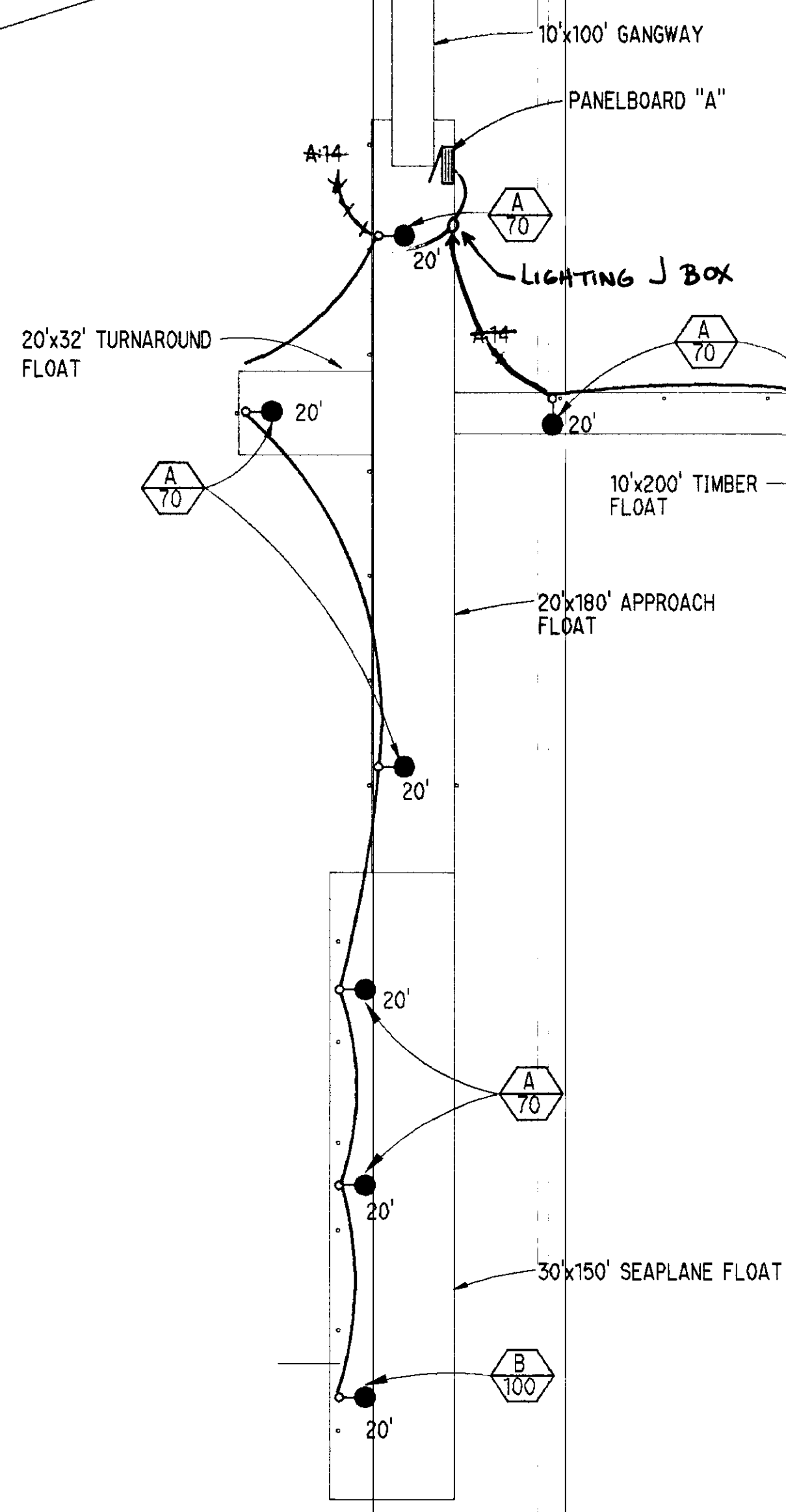
PETERSBURG  
 SEAPLANE FLOAT FACILITY  
 A.I.P. # 3-02-0304-01  
 ALASKA  
**FLOAT POWER PLAN**

DESIGNED BY: R.R.K.	PROJECT NO. 70641
DRAWN BY: M.G.	DATE: 8-23-94
CHECKED BY:	SHEET 40 OF 42

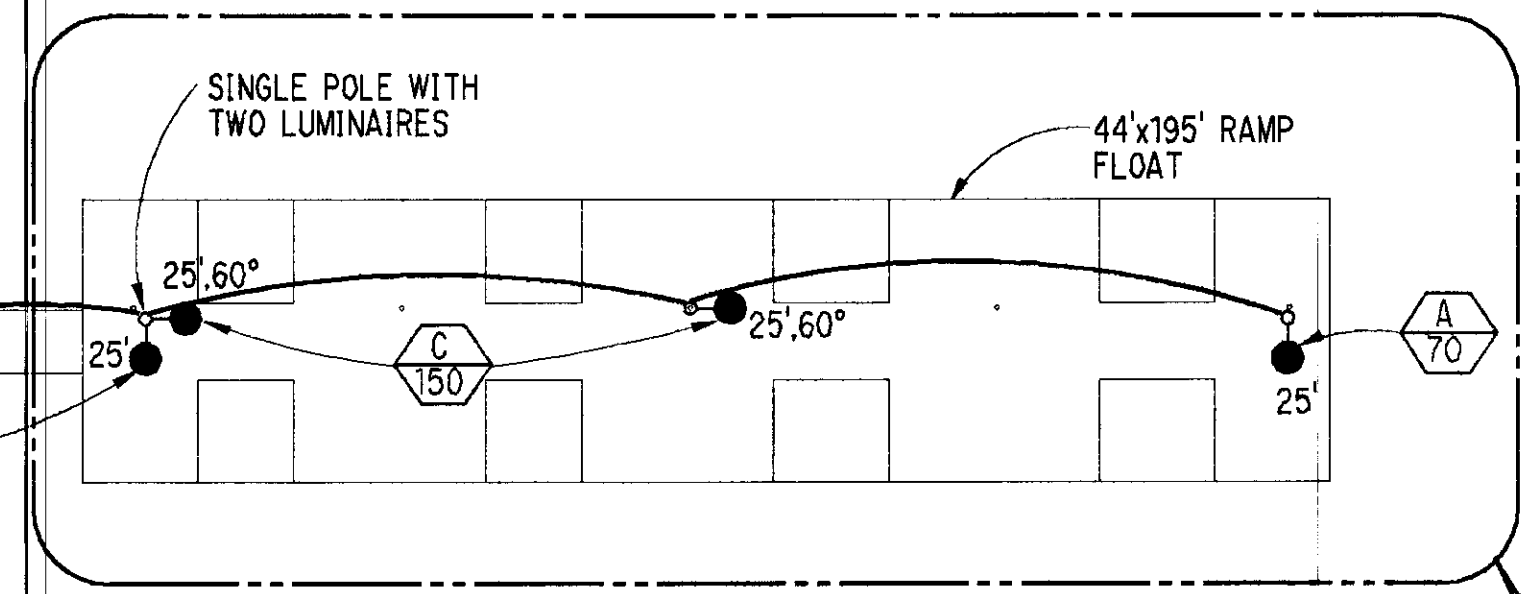
**ENGINEER'S SEAL**



**POLE BASE DETAIL**  
NO SCALE

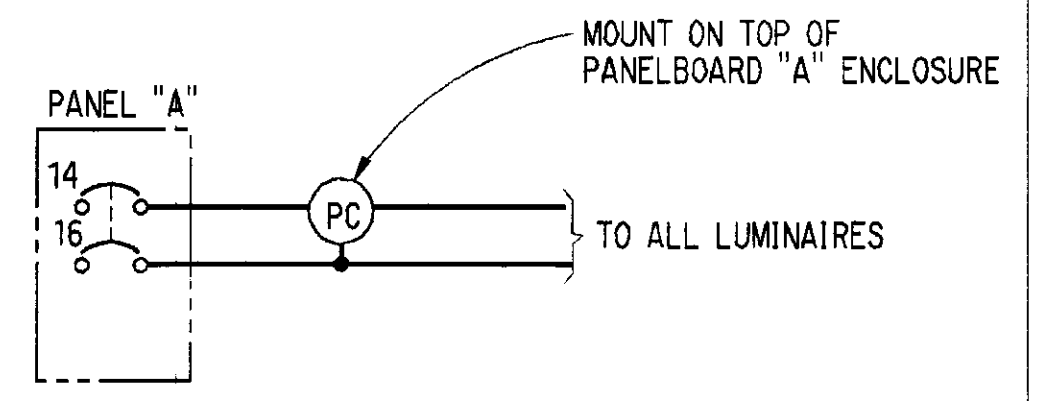


**LIGHTING PLAN**  
1"=30'



ADDITIVE ALTERNATE NO. 1

- SHEET NOTES:**
1. FOR POLE BASE SUPPORT DETAILS ON TIMBER, RAMP, AND SEAPLANE FLOATS, SEE SHEET 37.
  2. ON APPROACH AND TURNAROUND FLOATS, BOLT POLE BASE TO SUBDECK.
  3. FOR SEAPLANE FLOAT, RUN CABLE ON TOP OF FLOATS AND BOTTOM SILLS AS REQUIRED AND SECURE AT LEAST EVERY 48".
  4. FOR APPROACH AND TURNAROUND FLOAT, RUN CABLE IN PVC CONDUIT. SECURE TO BOTTOM OF STRINGERS AND BOTTOM SILLS AS REQUIRED AT LEAST EVERY 48".
  5. FOR TIMBER FLOAT, RUN CABLE ON TOP OF SILLS AS REQUIRED AND SECURE AT LEAST EVERY 48".
  6. FOR RAMP FLOAT, RUN CABLE ON TOP OF BOTTOM CHORD, SECURE AT LEAST EVERY 48".
  7. CABLES NOT IN CONDUIT THAT ENTER POLE BASES SHALL BE SUPPORTED BY CABLE GRIPS. ALTERNATIVELY, CONTRACTOR MAY PROVIDE A SHORT LENGTH OF PVC CONDUIT TO PROTECT THE CABLE FROM ABRASION UP THRU THE POLE BASE.



**PHOTOCELL CONTROL DIAGRAM**  
NO SCALE

**NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS**

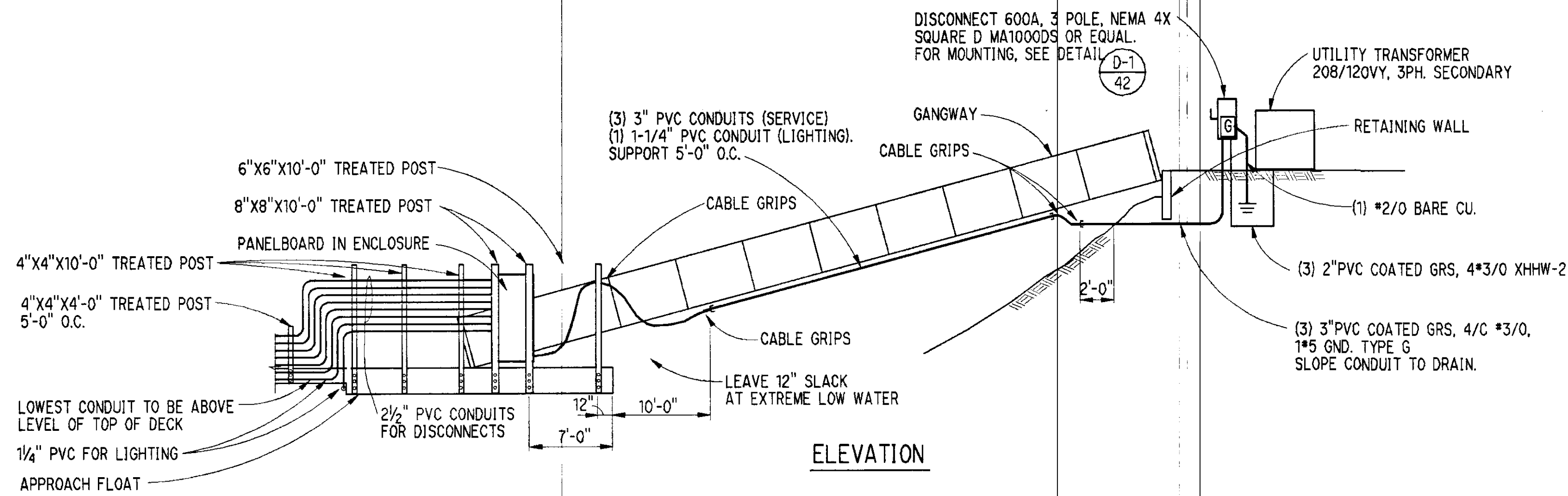
PATH:	DATE:	DESCRIPTION OF CHANGE:

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

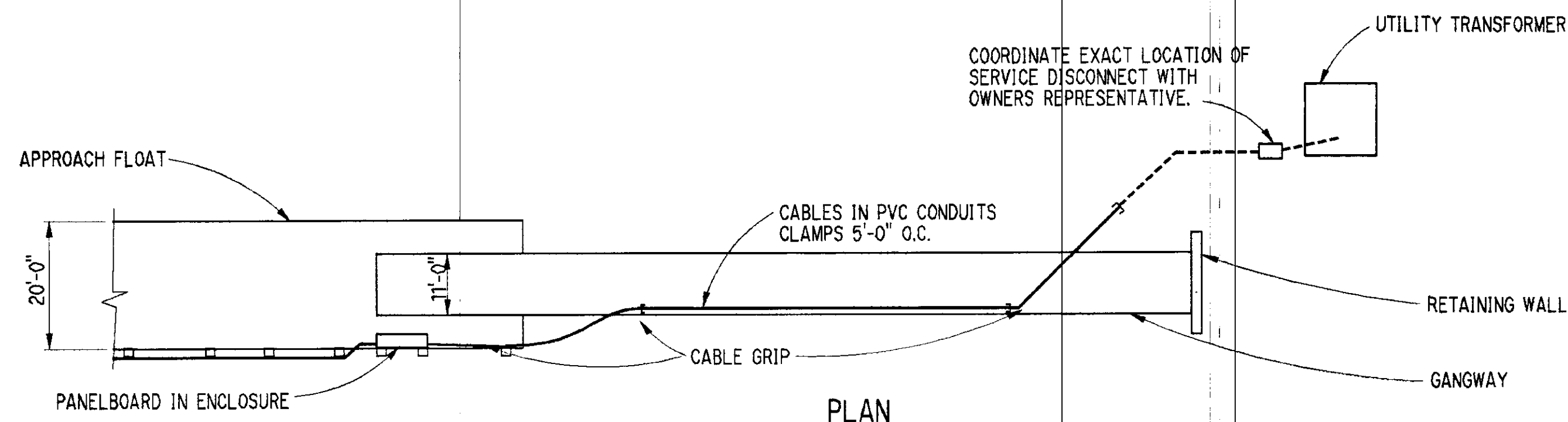
PETERSBURG  
SEAPLANE FLOAT FACILITY  
A.I.P. # 3-02-0304-01  
ALASKA  
**FLOAT LIGHTING PLAN**

DESIGNED BY:	R.R.K.	PROJECT NO.	70641
DRAWN BY:	M.G.	DATE:	8-23-94
CHECKED BY:		SHEET	41 OF 42

ENGINEER'S SEAL



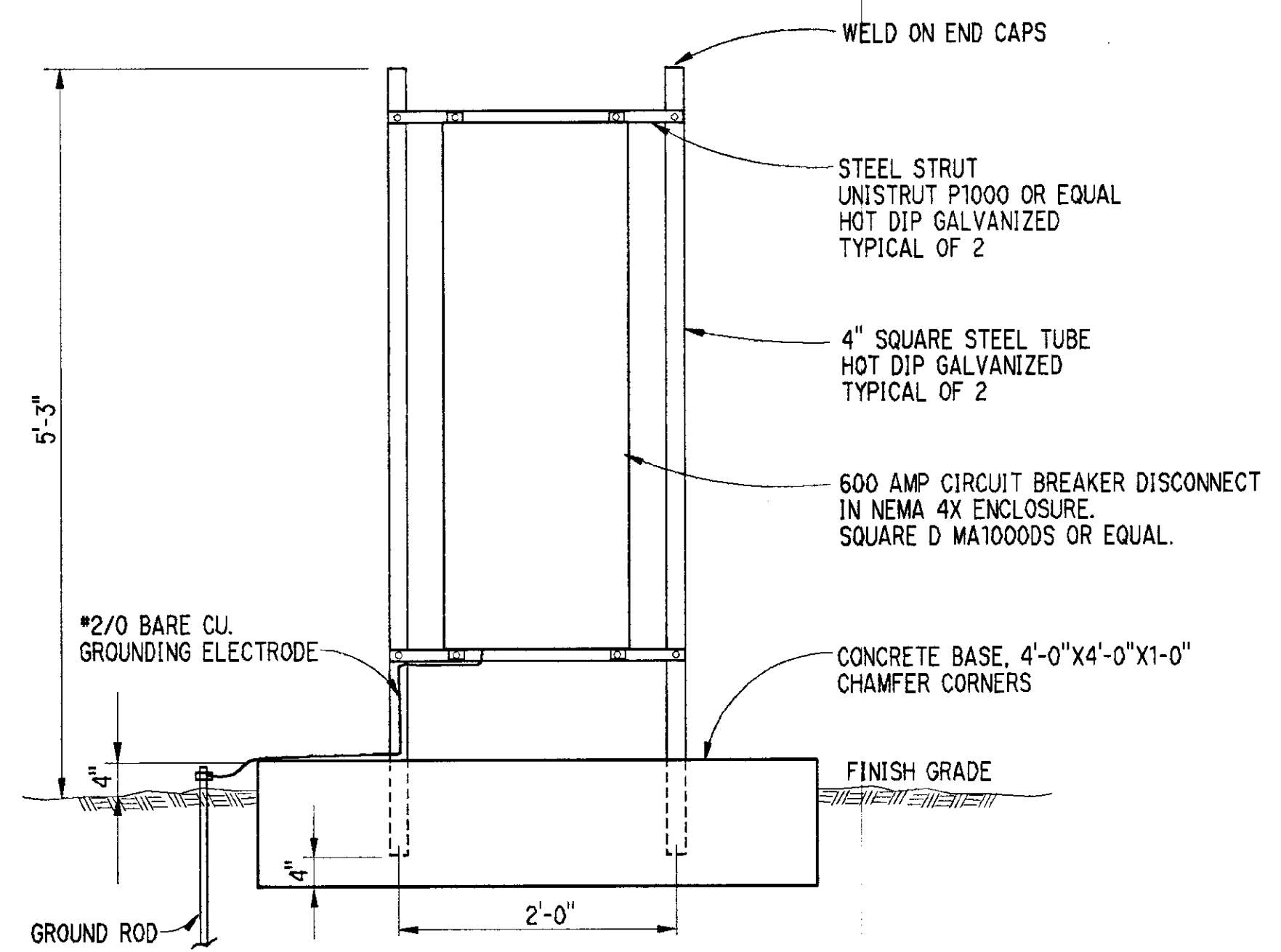
ELEVATION



PLAN

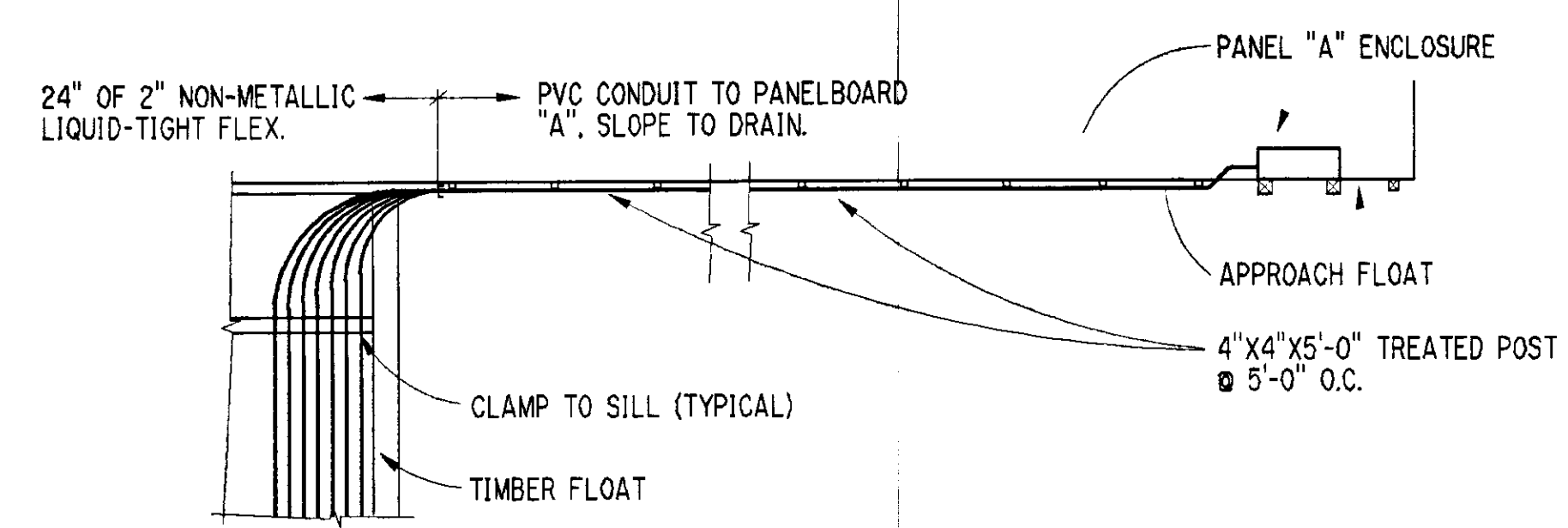
SERVICE TO PANEL  
NO SCALE

1



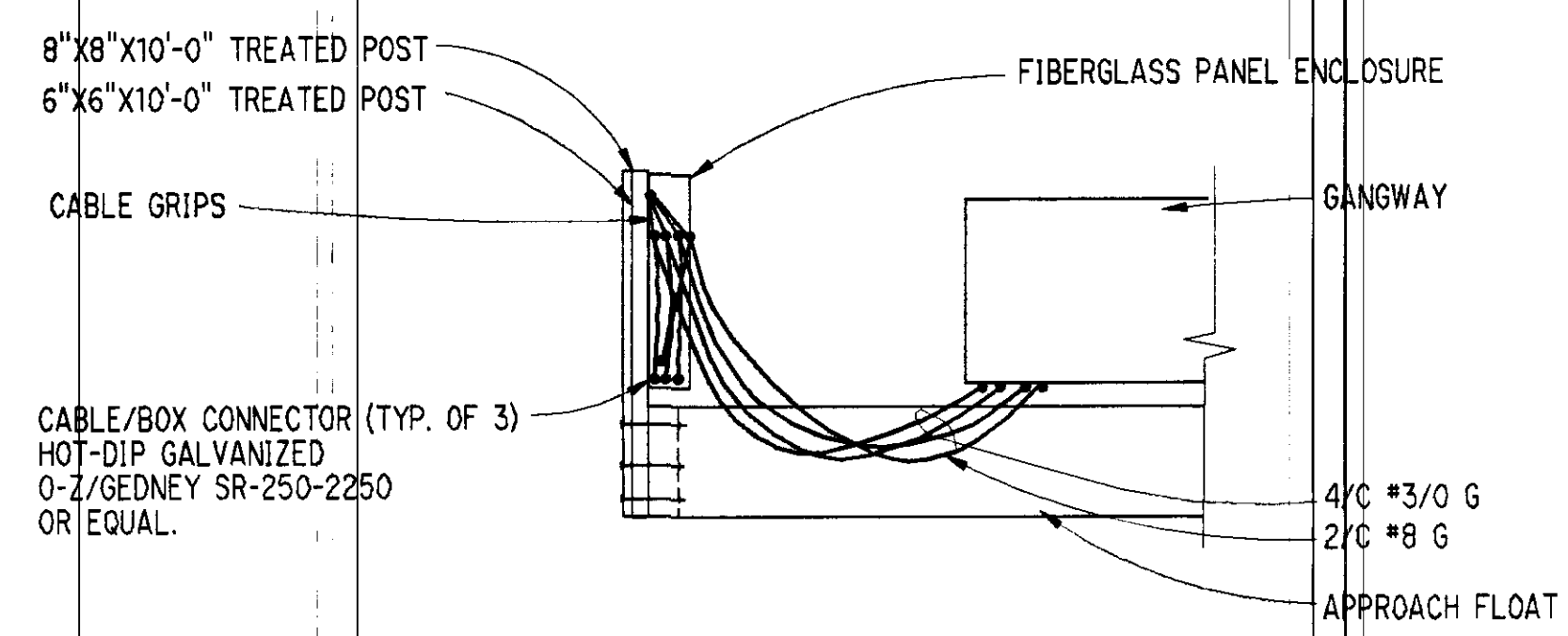
DISCONNECT MOUNTING DETAIL

2



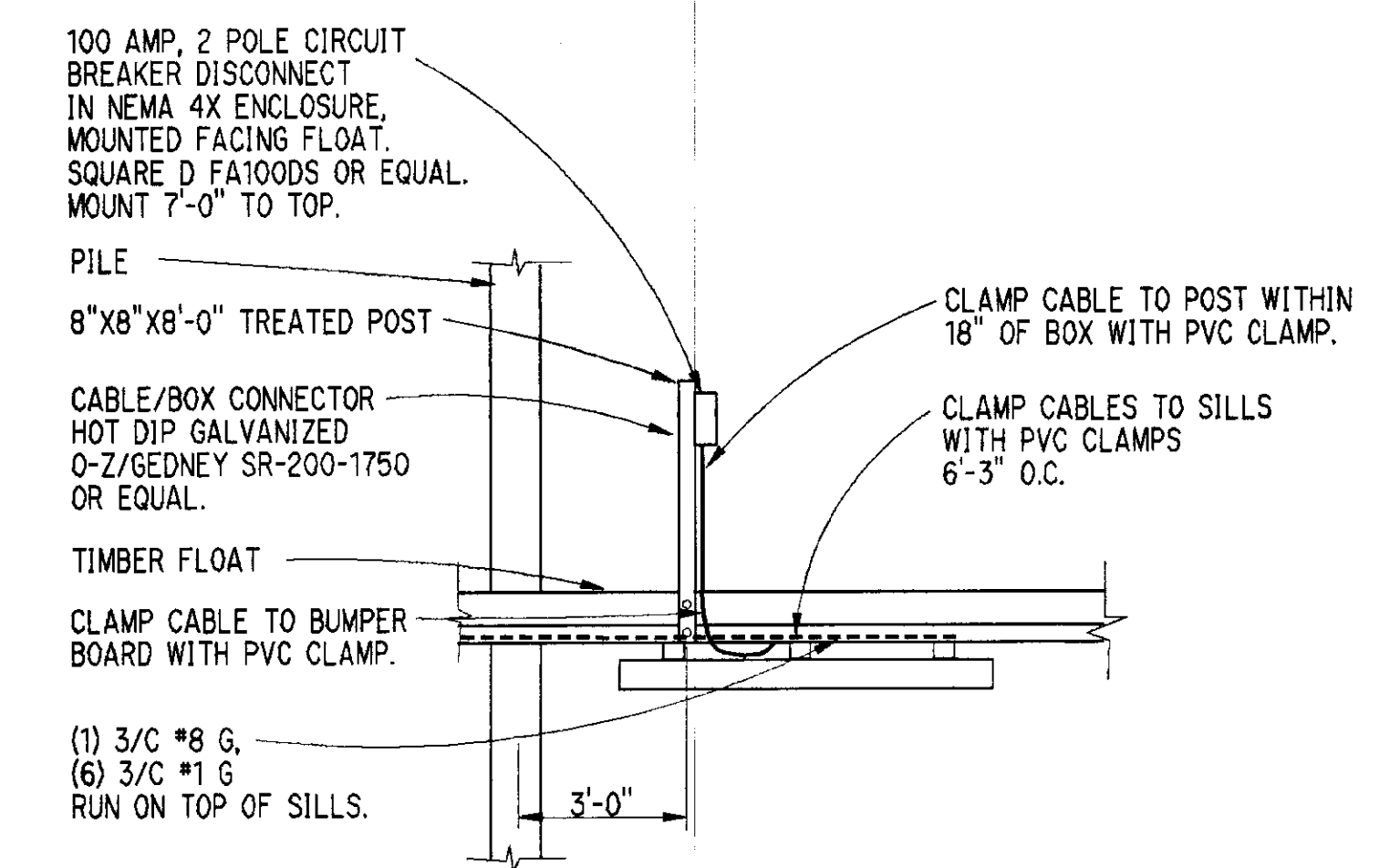
APPROACH/TIMBER FLOAT PARTIAL PLAN

3



APPROACH FLOAT ELEVATION

A



TYPICAL DISCONNECT  
TIMBER FLOAT ELEVATION

B

- NOTES:
- CABLE TO ENTER DISCONNECT BOX 3" FROM RIGHT SIDE.
  - DISCONNECT BOX INSTALLATION IS TYPICAL OF 6 LOCATIONS.

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

RECORD OF REVISIONS		
BY:	DATE:	DESCRIPTION OF CHANGE:

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PETERSBURG  
SEAPLANE FLOAT FACILITY  
A.I.P. # 3-02-0304-01  
ALASKA  
ELECTRICAL DETAILS

DESIGNED BY:	R.R.K.	PROJECT NO.	70641
DRAWN BY:	M.G.	DATE:	8-23-94
CHECKED BY:		SHEET	42 OF 42

ENGINEER'S SEAL