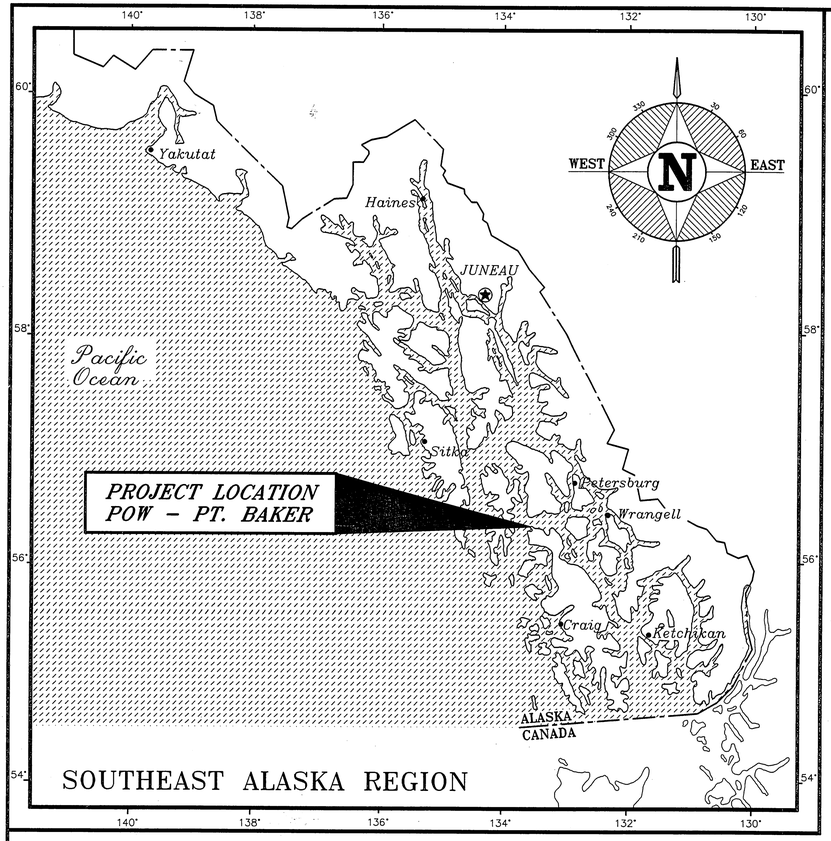
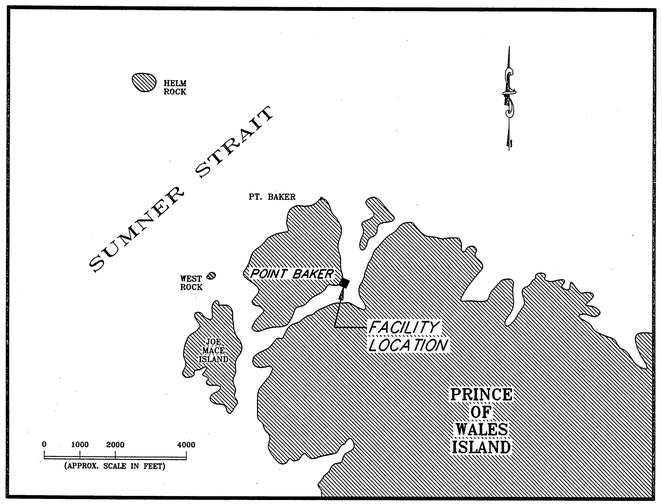


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
SOUTHEASTERN REGION
DESIGN AND CONSTRUCTION DIVISION

Point Baker Seaplane Float

Project No. 71135

A.I.P. # 3-02-0423-01



VICINITY MAP

INDEX OF SHEETS

As Built

START: May 2, 1995
STOP: July 5, 1995
CONTRACTOR: W.S. Construction Inc.
PROJECT ENGINEER: Mark Halvorsen
DATE: July 24, 1995

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

APPROVED

_____ Date _____
Regional Preconstruction Engineer

APPROVED

_____ Date _____
Director, S.E. Region Design & Construction

PROJECT NUMBER:	ENGINEER'S SEAL
71135	STATE OF ALASKA 49th David D. Saldivar CE-8307 REGISTERED PROFESSIONAL ENGINEER
DATE: APRIL, 1994	
SHEET 1 OF 20	

P:\POW\PTBAKER\DR\SHT1.dwg < 1=1 >

Estimate of Quantities

Item No.	Item	Unit	Quantity
110 (1)	Mobilization and Demobilization	L.S.	All Req'd.
120 (1)	DBE Adjustment	C.S.	All Req'd.
202 (1)	Removal and Relocation of Seaplane Float	L.S.	All Req'd.
301 (1)	12 3/4" dia. x 1/2" Wall Steel Pile, Furnished	L.F.	342.1 ~~420~~ As Built
301 (2)	12 3/4" dia. x 1/2" Wall Steel Pile, Driven	Each	4
301 (3)	16" dia. x 1/2" Wall Steel Pile, Furnished	L.F.	149.2 ~~200~~ As Built
301 (4)	16" dia. x 1/2" Wall Steel Pile, Driven	Each	2
301 (5)	100# Anode Bracelet	Each	6 As Built
~~311 (1)~~	~~Seaplane Float (56' x 56')~~	~~L.S.~~	~~All Req'd.~~
311 (1)	Pile Sockets	L.S.	All Req'd.
311 (2)	Log Reinforced Float (12' x 50')	L.S.	All Req'd.
311 (3)	Standard Signs	S.F.	15.0
311 (4)	Wind Cone	Each	1
315 (1)	6,000# Stockless Type Anchor	Each	1
315 (2)	Rock Anchor	Each	1
315 (3)	1 3/8" Stud Link Chain	L.F.	140 ~~130~~ As Built
315 (4)	1 3/4" Stud Link Chain	L.F.	214 ~~250~~ As Built
662 (1)	20# Fire Extinguisher and Container	Each	1
Additive Alternate I			
312 (1)	Pile Realignment	L.S.	All Req'd.
312 (2)	Pile Collar Replacement	Each	3
312 (3)	Flotation Billets, Furnished	Each	8
312 (4)	Flotation Billets, Installed	Each	8

PILE DRIVING LOG

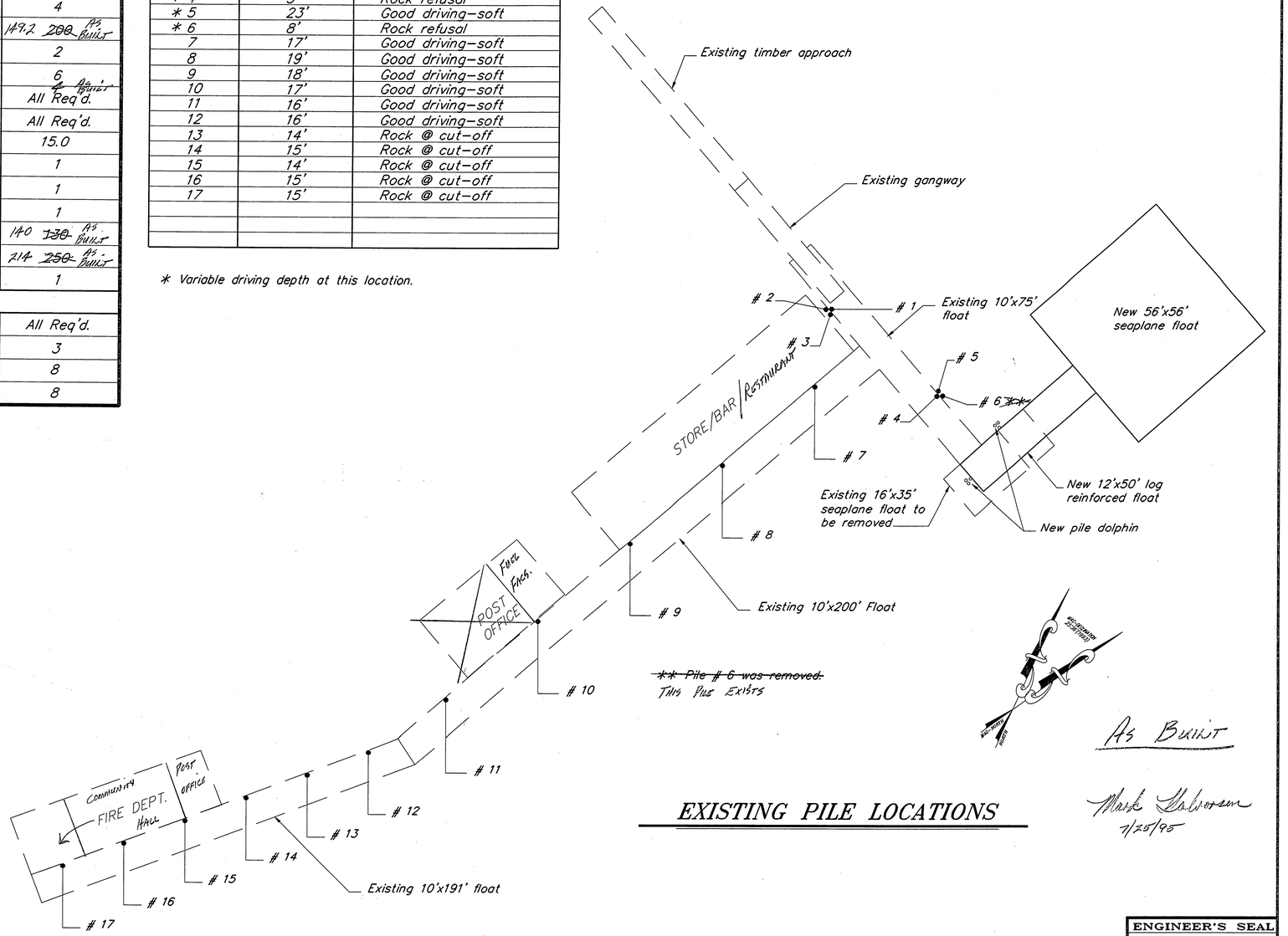
Hammer Weight = 7000 lb./5000 lb.
Hammer Type = Steam/Air
Pile Type = Timber, Cut-off Elevation = +26.0

Pile No.	Penetration	Remarks
1	21'	Good driving-soft
2	13'	Good driving-pile split
3	18'	Good driving-pile split
* 4	5'	Rock refusal
* 5	23'	Good driving-soft
* 6	8'	Rock refusal
7	17'	Good driving-soft
8	19'	Good driving-soft
9	18'	Good driving-soft
10	17'	Good driving-soft
11	16'	Good driving-soft
12	16'	Good driving-soft
13	14'	Rock @ cut-off
14	15'	Rock @ cut-off
15	14'	Rock @ cut-off
16	15'	Rock @ cut-off
17	15'	Rock @ cut-off

* Variable driving depth at this location.

LEGEND:

- D-1 / 3 — Detail Number (Numerical) / Sheet Number
- S-A / 5 — Section Number (Letter) / Sheet Number
- Dashed line for Existing Structure
- Solid line for New Structure



As Built

Mark Saloranen 7/25/95

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

ENGINEER'S SEAL
STATE OF ALASKA 49th
David D. Soldivar CE-8307
REGISTERED PROFESSIONAL ENGINEER

PATH: P:\POW\PTBAKER\DR\SHT2.dwg < 1=1 >		
BY	DATE	DESCRIPTION OF CHANGE

RECORD OF REVISIONS

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

POINT BAKER — ALASKA

PRINCE OF WALES ISLAND
POINT BAKER SEAPLANE FLOAT
A.I.P. # 3-02-0423-01

Estimate of Quantities

DESIGNED BY: D.D.S.	PROJECT NO. 71135
DRAWN BY: B.W.B.	DATE: APRIL, 1994
CHECKED BY: J.D.B.	SHEET 2 OF 20

BASIS OF CONTROL

HORIZONTAL CONTROL:

THE PROJECT BASIS OF BEARING IS THE CENTERLINE OF EXISTING MAIN FLOAT. NEW FLOAT SHALL BE ATTACHED PERPENDICULAR TO THE END OF EXISTING MAIN FLOAT.

VERTICAL CONTROL:

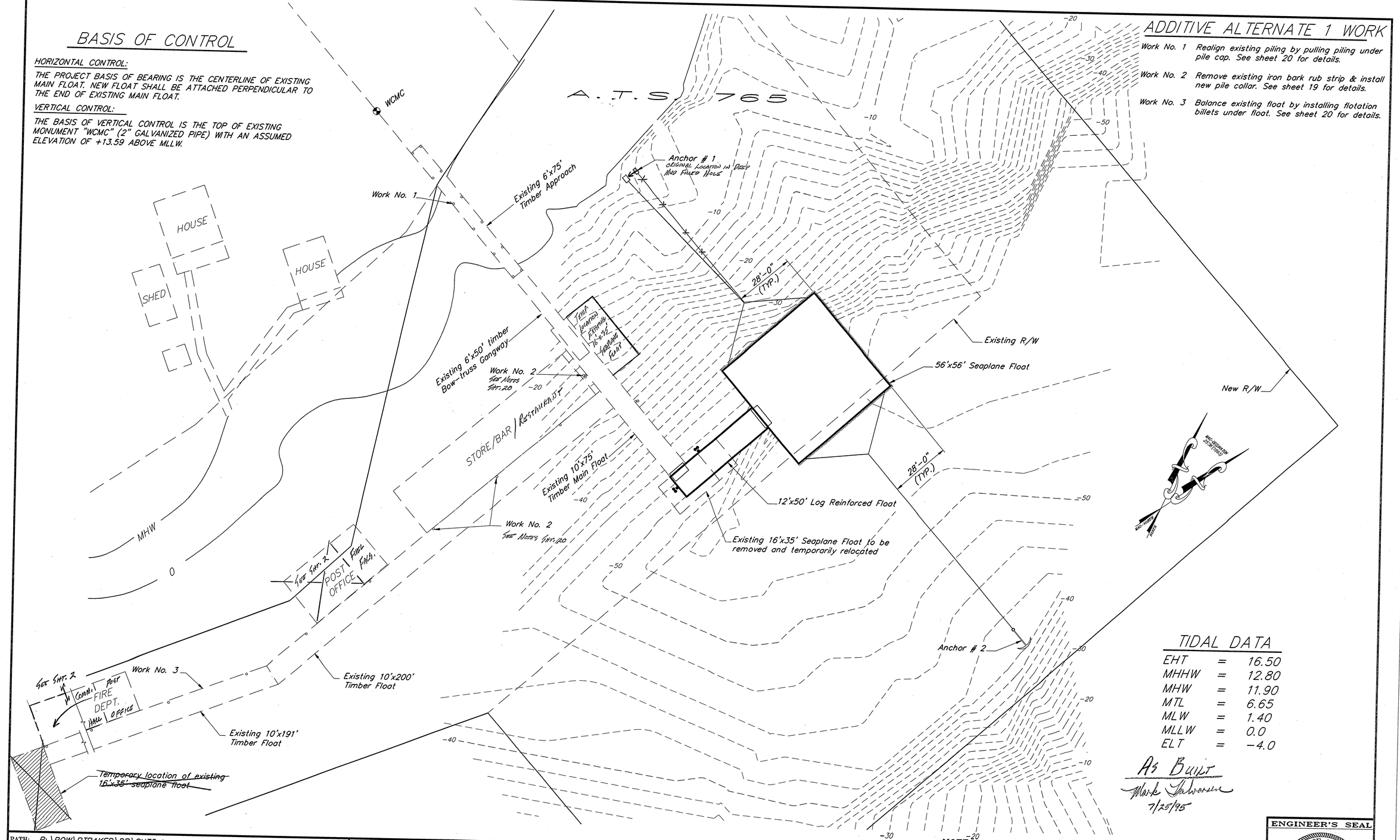
THE BASIS OF VERTICAL CONTROL IS THE TOP OF EXISTING MONUMENT "WCMC" (2" GALVANIZED PIPE) WITH AN ASSUMED ELEVATION OF +13.59 ABOVE MLLW.

ADDITIVE ALTERNATE 1 WORK

Work No. 1 Realign existing piling by pulling piling under pile cap. See sheet 20 for details.

Work No. 2 Remove existing iron bark rub strip & install new pile collar. See sheet 19 for details.

Work No. 3 Balance existing float by installing flotation billets under float. See sheet 20 for details.



TIDAL DATA

EHT	=	16.50
MHHW	=	12.80
MHW	=	11.90
MTL	=	6.65
MLW	=	1.40
MLLW	=	0.0
ELT	=	-4.0

As Built
Mark Schwerin
7/25/95

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

ENGINEER'S SEAL
STATE OF ALASKA
49th
David D. Saldivar
CE-8307
REGISTERED PROFESSIONAL ENGINEER

PATH: P:\POW\PTBAKER\DR\SHT3.dwg < 1=30 >

BY	DATE	DESCRIPTION OF CHANGE

RECORD OF REVISIONS

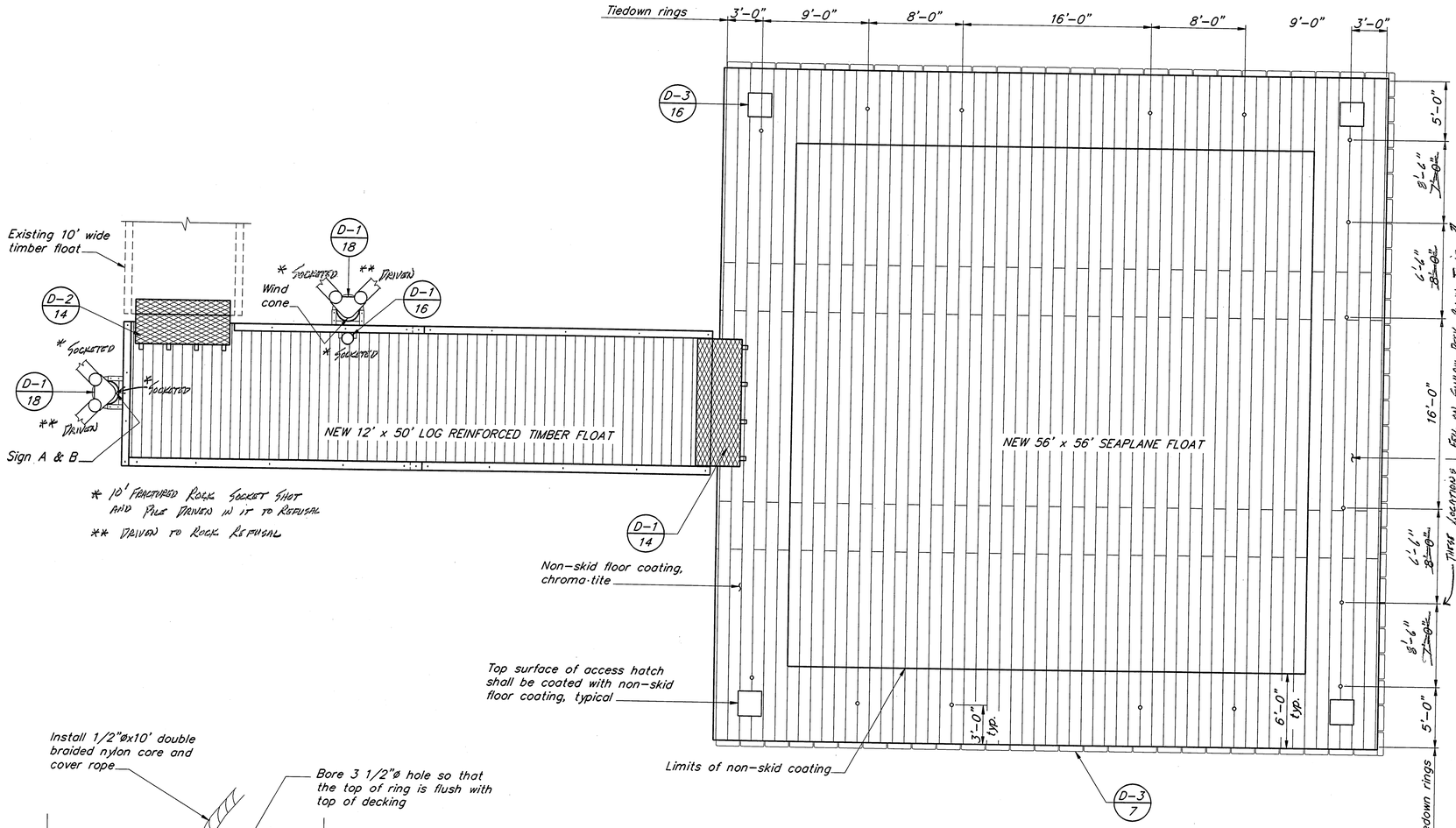
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

POINT BAKER — ALASKA

PRINCE OF WALES ISLAND
POINT BAKER SEAPLANE FLOAT
A.I.P. # 3-02-0423-01

Site Layout

DESIGNED BY: D.D.S.	PROJECT NO. 71135
DRAWN BY: B.W.B.	DATE: APRIL, 1994
CHECKED BY: J.D.B.	SHEET 3 OF 20

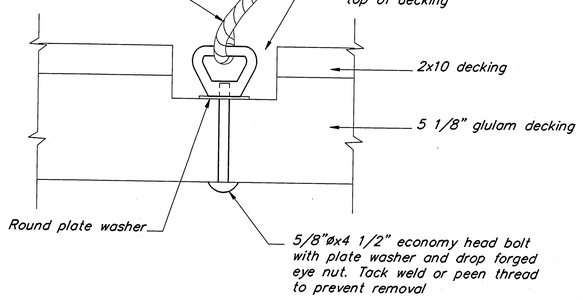


NOTES:

1. 2x10 decking milled S1S2E rough side up. Milled side shall be towards the center of the tree. See sheet 9 for details.
2. Decking shall be spaced 1/4" apart and secured with 2-20d galvanized box nails at 4-ft. maximum spacing and at 4" from decking ends. Decking shall be predrilled as required to prevent splitting.
3. Glulam sub-decking shall be combination 5. Glulam stringers shall be combination 24F-V4.
4. Pile locations may moved ±2 feet from the plan location to avoid rock or boulder.
5. All steel members and bolts shall be galvanized.
6. All bolts shall conform to ASTM A307 unless otherwise noted.

Each run of decking shall consist of 3 lengths of 2x10 milled decking. Every other run shall consist of 20'-0", 20'-0" and 16'-5" long each and install in this order. The other runs shall consist of 16'-5", 20'-0" and 20'-0" long each and installed in this order.

FLOAT LAYOUT



TIE-DOWN RING DETAIL

(16 REQUIRED)

As Built

Mark Gabrielson

7/25/95

PATH: P:\POW\PTBAKER\DR\SHT4.dwg < 1=64 >		
BY	DATE	DESCRIPTION OF CHANGE

RECORD OF REVISIONS

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

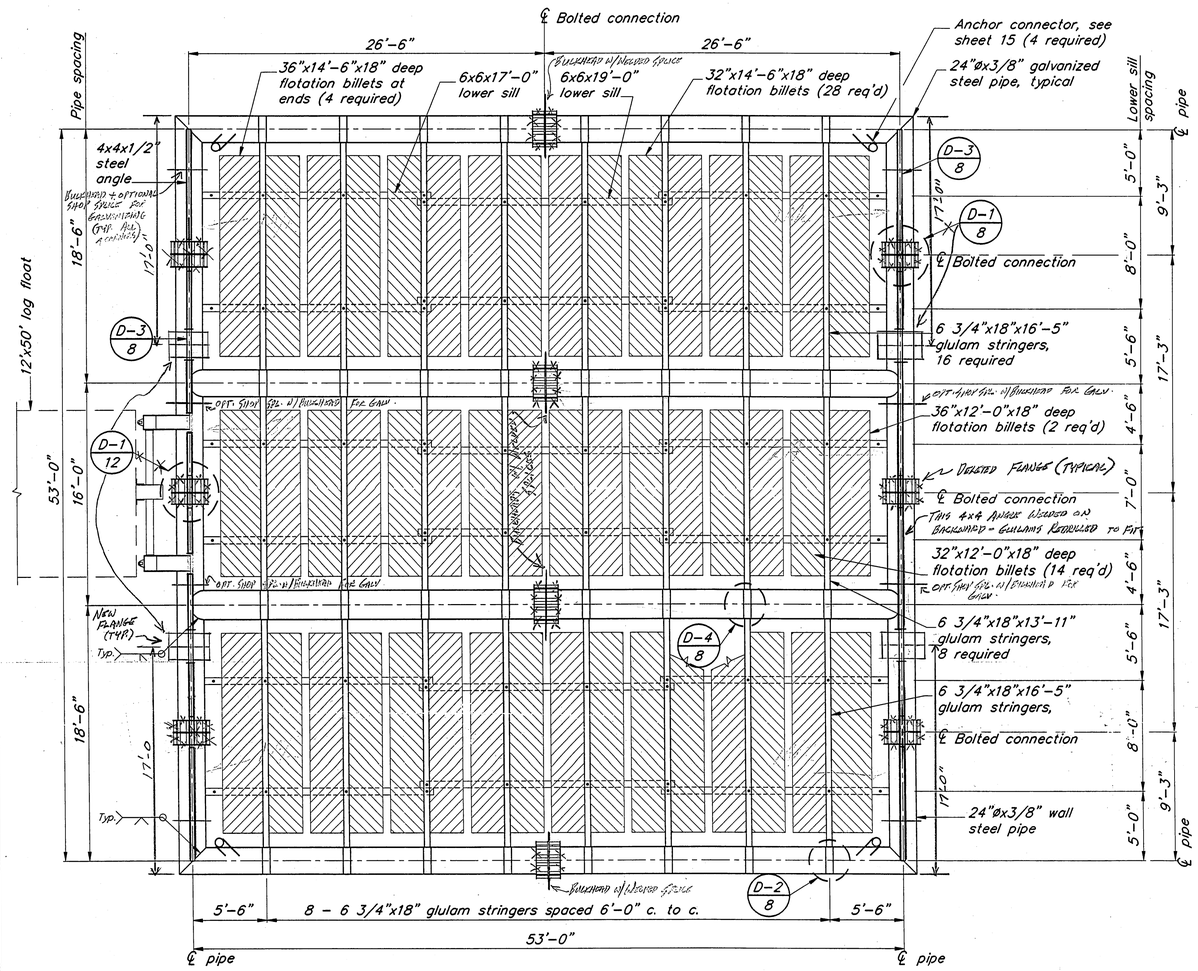
POINT BAKER — PRINCE OF WALES ISLAND — ALASKA
POINT BAKER SEAPLANE FLOAT
A.I.P. # 3-02-0423-01
Float Layout

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

DESIGNED BY: D.D.S.	PROJECT NO. 71135
DRAWN BY: B.W.B.	DATE: APRIL, 1994
CHECKED BY: J.D.B.	SHEET 4 OF 20

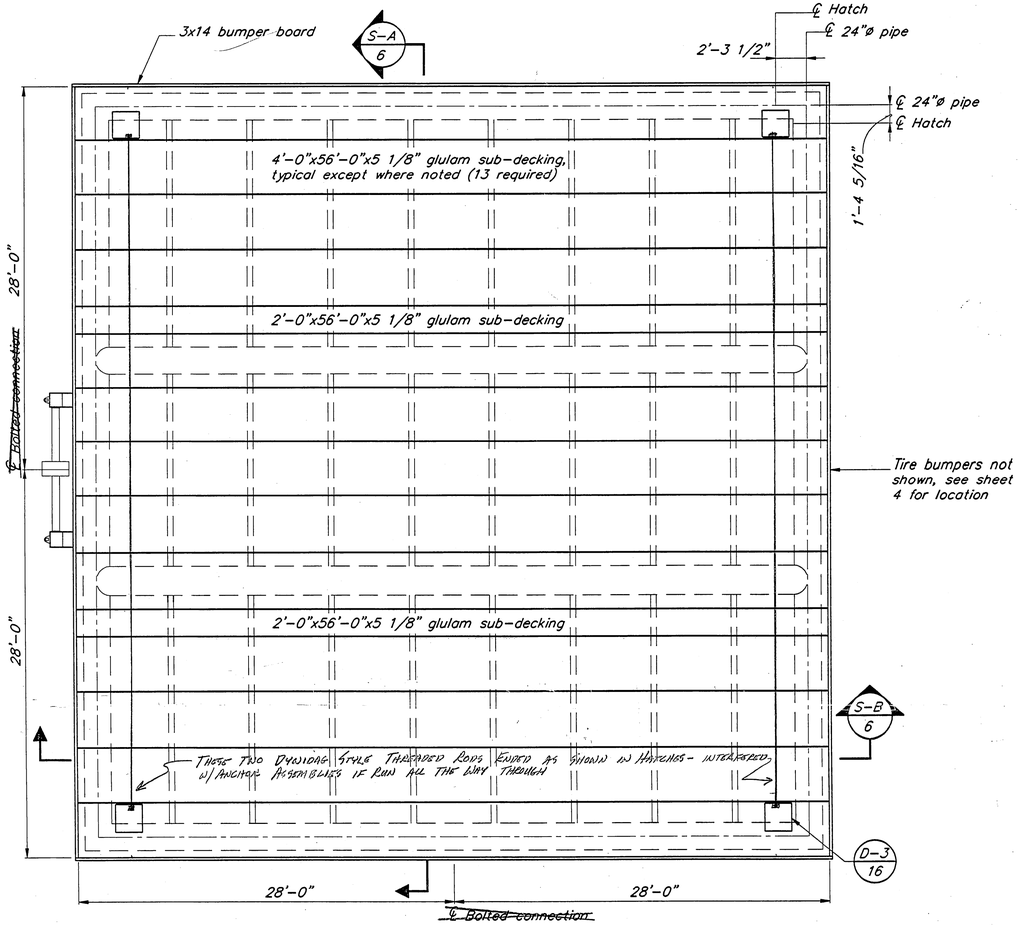
ENGINEER'S SEAL

STATE OF ALASKA 49th
David D. Saldivar CE-8307
REGISTERED PROFESSIONAL ENGINEER



PIPE/GLULAM STRINGER LAYOUT

3/16" = 1'-0



NOTE:
See sheet 7 for post-tensioned threadbar installation.

5 1/8" GLULAM SUB-DECKING LAYOUT

3/16" = 1'-0"

As Built
Mark Sakovich
7/25/95

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

ENGINEER'S SEAL
STATE OF ALASKA
49th
David D. Saldivar
CE-8307
REGISTERED PROFESSIONAL ENGINEER

PATH: P:\POW\PTBAKER\DR\SHT5.dwg < 1=96 >

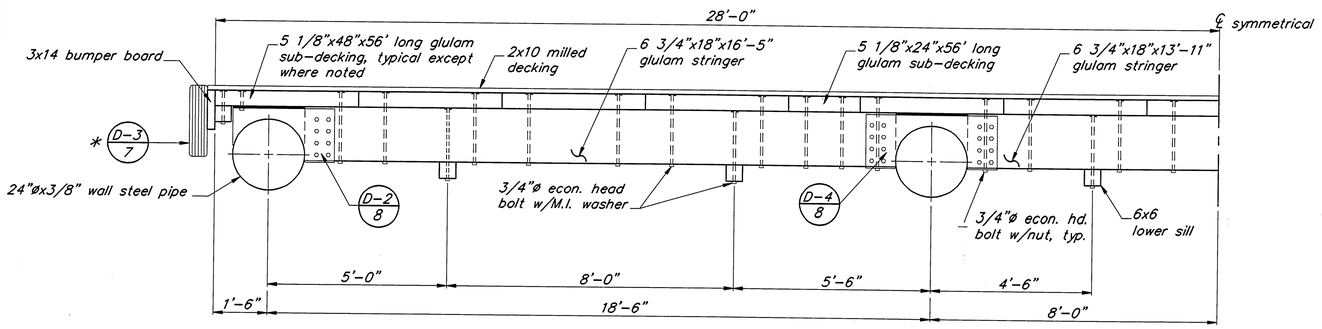
BY	DATE	DESCRIPTION OF CHANGE

RECORD OF REVISIONS

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

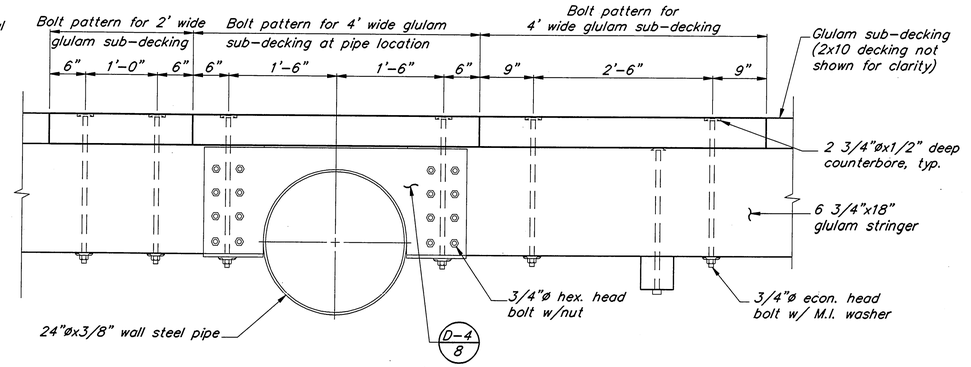
POINT BAKER — ALASKA
PRINCE OF WALES ISLAND
POINT BAKER SEAPLANE FLOAT
A.I.P. # 3-02-0423-01
Pipe/Stringer/Decking Layout

DESIGNED BY: D.D.S.	PROJECT NO. 71135
DRAWN BY: B.W.B.	DATE: APRIL, 1994
CHECKED BY: J.D.B.	SHEET 5 OF 20

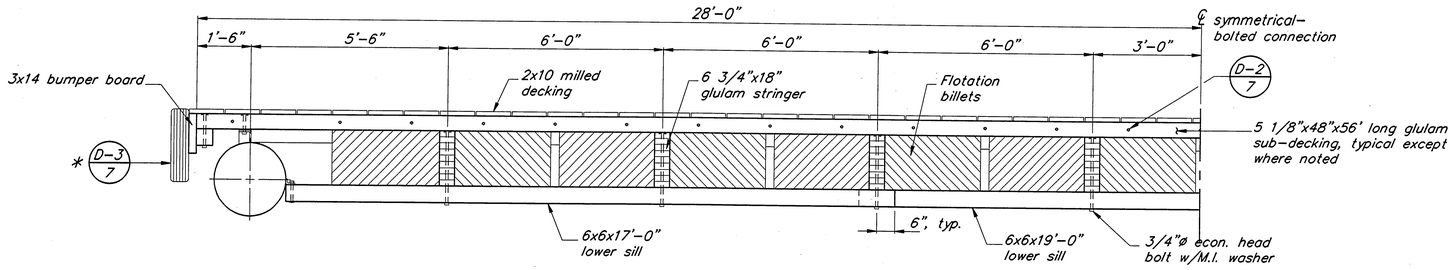


* See sheet 4 for location of tire bumpers.

SECTION A



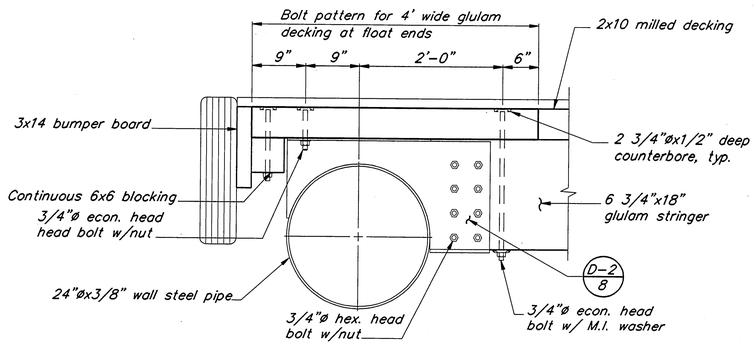
INSIDE BOLT PATTERN DETAIL 1



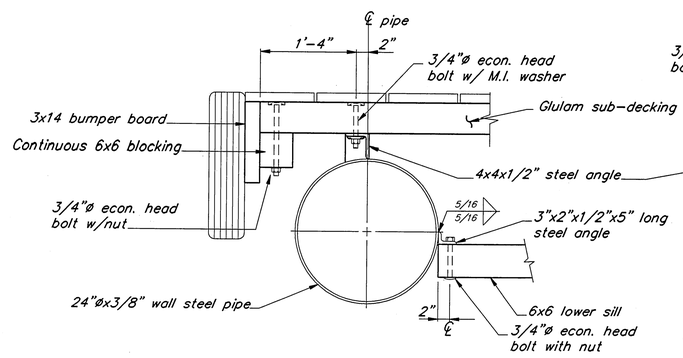
SECTION B

NOTES:

1. 3x14 bumper board shall be continuous except at the bumper slide connection.
2. 3x14 bumper board shall be secured with 30d common nails every 12" staggered high and low. Bumper board shall be a minimum of 18' long except at the bumper slide connection.
3. Glulam sub-decking shall be combination 5. Glulam stringers shall be combination 24F-V4.



OUTSIDE BOLT PATTERN DETAIL 2



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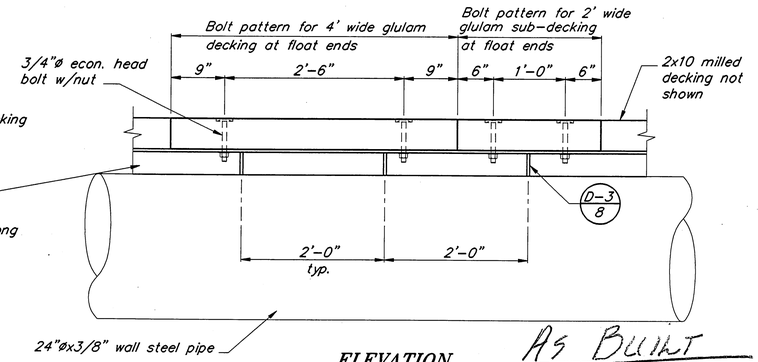


ELEVATION

BOLT PATTERN DETAIL 3

AS BUILT
Mark Holworden
7/25/95

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

ENGINEER'S SEAL
STATE OF ALASKA
49th
David D. Saldivar
CE-8307
REGISTERED PROFESSIONAL ENGINEER

PATH: P:\POW\PTBAKER\DR\SHT6.dwg < 1=24 >		
BY	DATE	DESCRIPTION OF CHANGE

RECORD OF REVISIONS

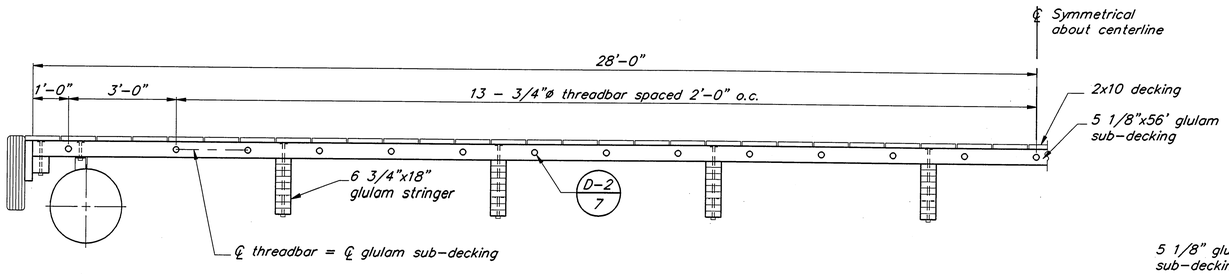
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

POINT BAKER — ALASKA

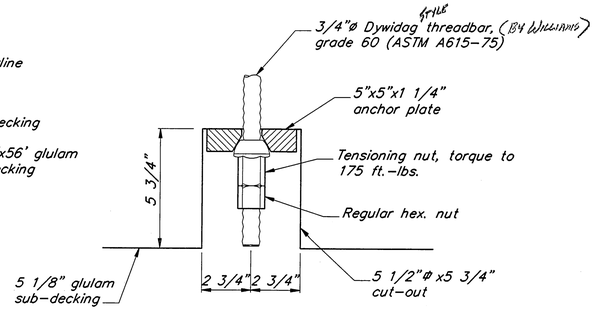
PRINCE OF WALES ISLAND
POINT BAKER SEAPLANE FLOAT
A.I.P. # 3-02-0423-01

Float Sections

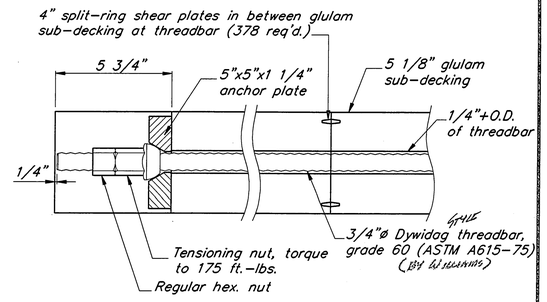
DESIGNED BY: D.D.S.	PROJECT NO. 71135
DRAWN BY: B.W.B.	DATE: APRIL, 1994
CHECKED BY: J.D.B.	SHEET 6 OF 20



POST-TENSIONED THREADBAR SPACING (1)

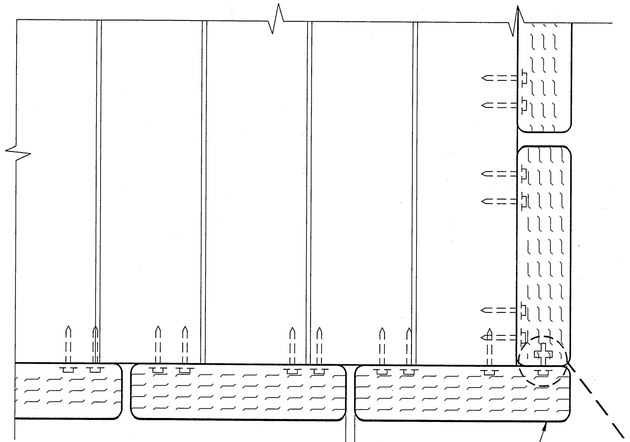


PLAN



SECTION

THREADBAR INSTALLATION DETAILS (2)



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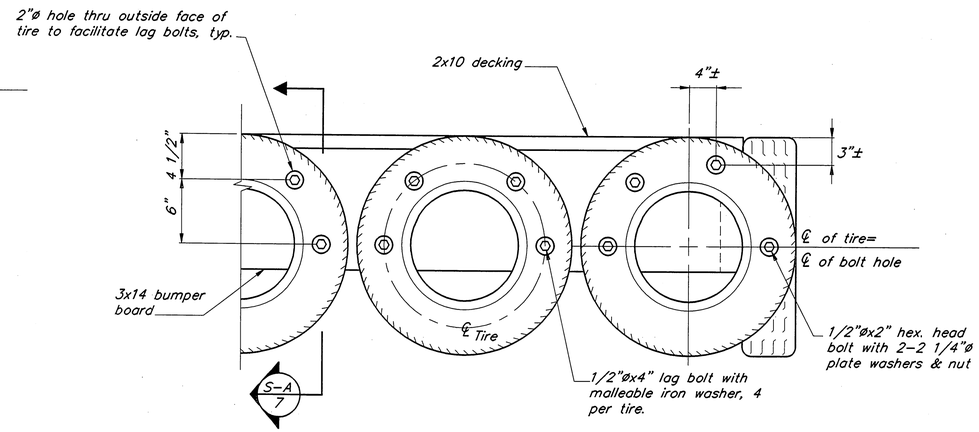

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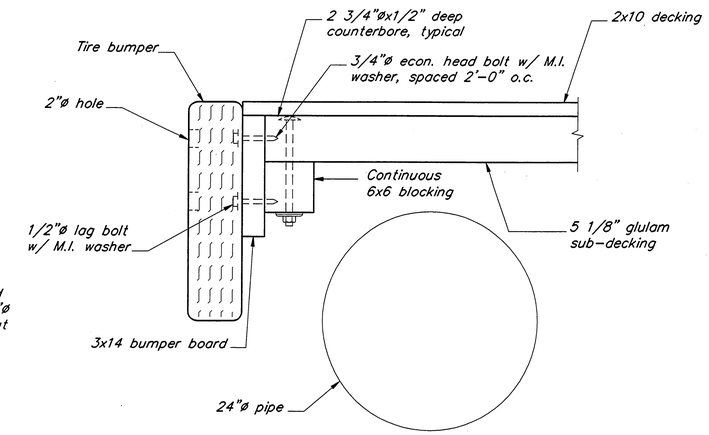


SECTION (A)

NOTES:

1. Tires shall be used 13" series tires with a minimum 1/8" deep summer or all season tread, no heavy lugs or studs.
2. All of the tires shall be the same width with a maximum allowable variation of 1/2".
3. Point tires white per specification.

As Built
Mark Sabourin
7/25/95

TIRE BUMPER DETAILS (3)

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: P:\POW\PTBAKER\DR\SHT7.dwg < 1=24 >

BY	DATE	DESCRIPTION OF CHANGE

RECORD OF REVISIONS

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

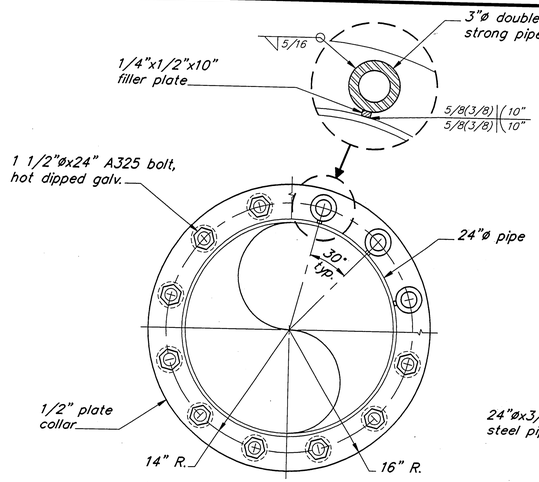
POINT BAKER — ALASKA

PRINCE OF WALES ISLAND
POINT BAKER SEAPLANE FLOAT
A.I.P. # 3-02-0423-01

Post Tension/Tire Bumper Details

DESIGNED BY: D.D.S.	PROJECT NO. 71135
DRAWN BY: B.W.B.	DATE: APRIL, 1994
CHECKED BY: J.D.B.	SHEET 7 OF 20

ENGINEER'S SEAL
STATE OF ALASKA
49th
David D. Saldivar
CE-8307
REGISTERED PROFESSIONAL ENGINEER



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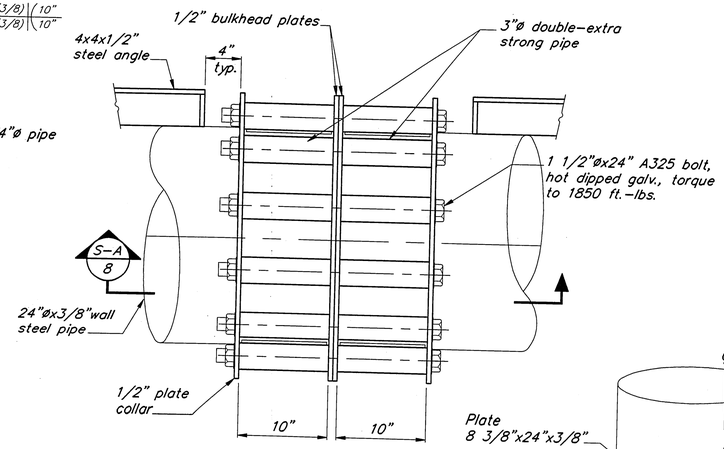
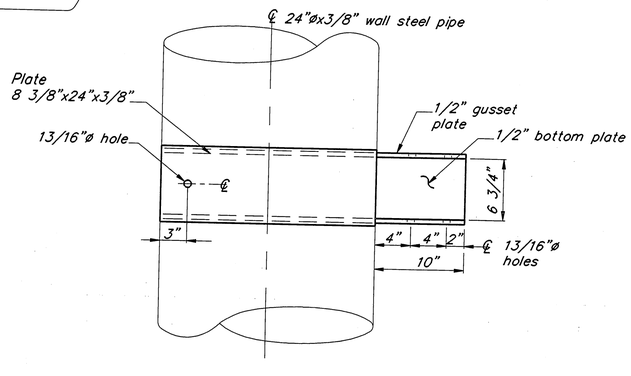


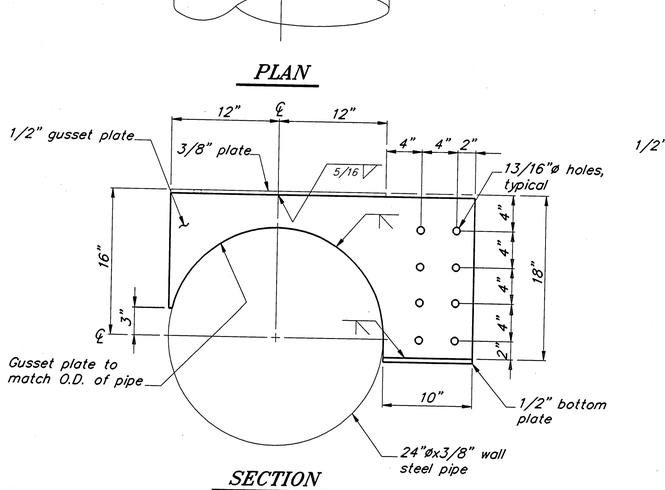
ELEVATION

NOTE:
SPACE LIMITATIONS MAY NOT ALLOW THE USE OF AIR OPERATED TORQUE WRENCH TO TIGHTEN BOLTS.

BOLTED CONNECTION DETAIL (1)

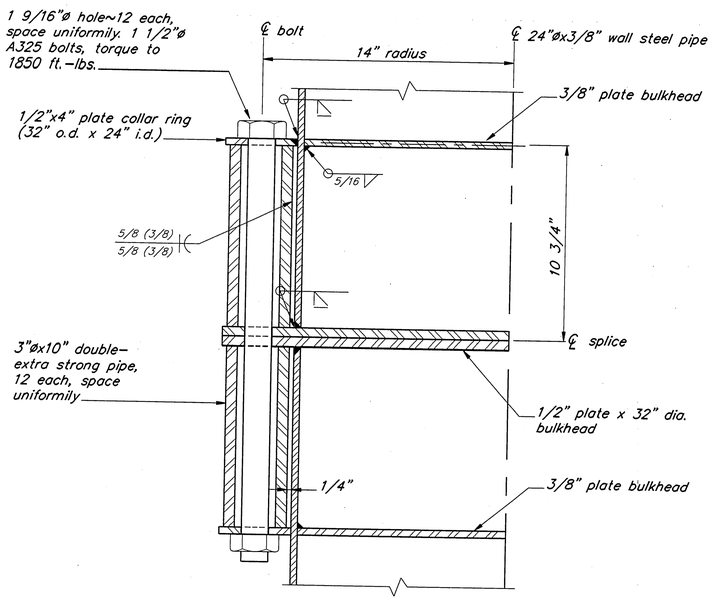


PLAN

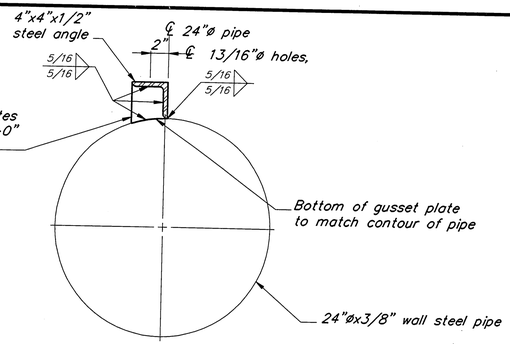


SECTION

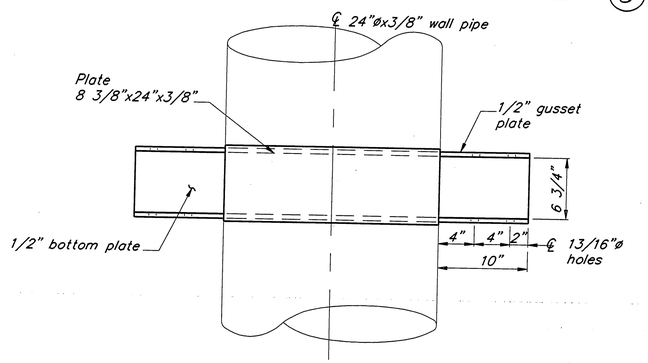
OUTSIDE PIPE HANGER DETAIL (2)



SECTION (A)



EXTERNAL DECK SUPPORT DETAIL (3)



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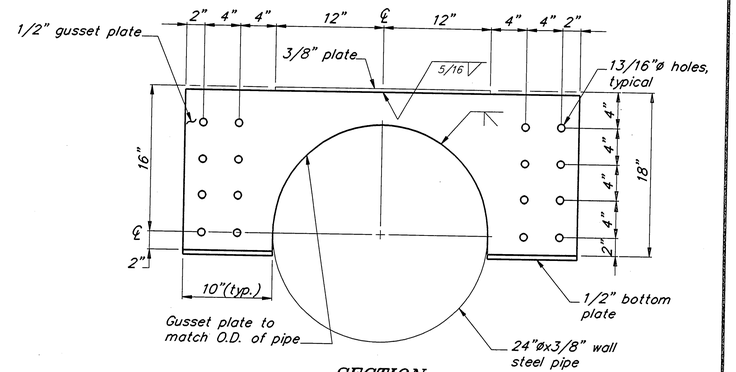


SECTION

INSIDE PIPE HANGER DETAIL (4)

As Built
Mark Wadsworth
7/25/95

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: P:\POW\PTBAKER\DR\SHT8.dwg < 1=8 >

BY	DATE	DESCRIPTION OF CHANGE

RECORD OF REVISIONS

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

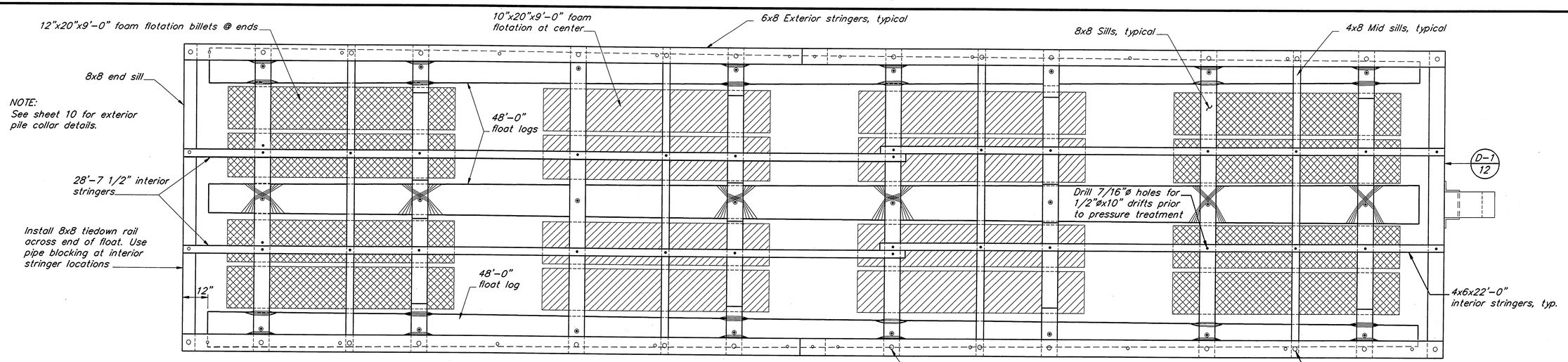
POINT BAKER — ALASKA

PRINCE OF WALES ISLAND
POINT BAKER SEAPLANE FLOAT
A.I.P. # 3-02-0423-01

Pipe Connection Details

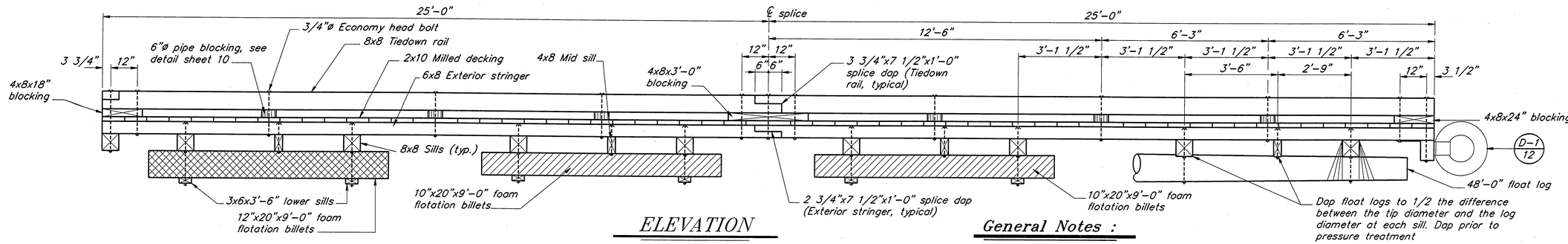
DESIGNED BY: D.D.S.	PROJECT NO. 71135
DRAWN BY: B.W.B.	DATE: APRIL, 1994
CHECKED BY: J.D.B.	SHEET 8 OF 20

ENGINEER'S SEAL
STATE OF ALASKA
49th
David D. Saldivar
CE-8307
REGISTERED PROFESSIONAL ENGINEER

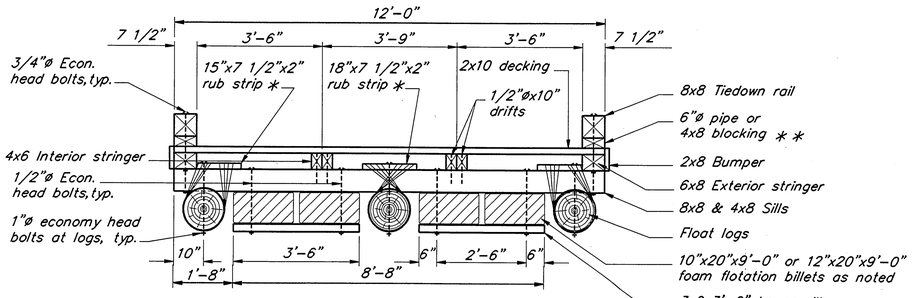


PLAN

NOTE :
DECKING AND TIEDOWN RAIL NOT SHOWN IN PLAN VIEW.

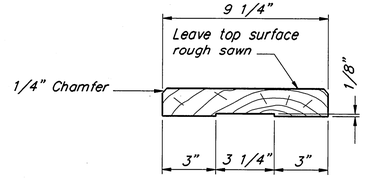


ELEVATION



TYPICAL SECTION

* Rub strip to be Ekki or iron bark.



MILLED DECKING DETAIL (1)

DECKING NOTES :

2x10 Decking milled S1S2E rough side up. Milled side shall be towards the center of the tree.
Space 1/4" and secure with 2-20d galv. box nails at each stringer, predrill to prevent splitting if required.

** All blocking shall be 6"ø except where noted.

General Notes :

Lash all logs where shown with 4 turns 1/2" galvanized cable. Secure with 3" galvanized trap staples each turn. Return bend and staple cable ends.

All holes to be drilled and daps to be cut prior to pressure treatment (except where specified).

Float logs shall have a minimum tip circumference of 31 1/2" (10" dia.) and a maximum butt circumference of 56 1/2" (18" diameter).

Contractor to furnish and install as needed, where directed by the Engineer, 5 - 5"x20"x4'-6" flotation billets to balance the float. NONE NEEDED - FOAM USED TO RAISE AND LEVEL END OF EXISTING 10'x75' FLOAT WHERE MEETS THIS FLOAT

Pressure Treated Timber Materials
(See Specifications for Treatment & Retention)

Item	Dressing	Notes
8x8 Tiedown Rails	S4S	Shop drill all holes.
4x8 Blocking	S4S	Shop drill all holes with shear plates.
2x10 Decking	Milled S1S2E	Field drill ends to prevent splitting if req'd.
2x8 Bumpers	S4S	Field drill ends to prevent splitting if req'd.
6x8 Exterior Stringers	S4S	Shop drill all holes.
4x6 Interior Stringers	S4S	Shop drill all holes.
8x8 Sills	S4S	Shop drill all holes except @ int. stringers
4x8 Mid Sills	S4S	Shop drill all holes except @ int. stringers
3x6 Lower Sills	S4S	Shop drill all holes.
Float Logs	A.S.T.M. D25	Cut dops & drill holes prior to treatment

As Built
Mark Tabourin
7/25/95

ENGINEER'S SEAL
STATE OF ALASKA
49th
David D. Saldivar
CE-8307
REGISTERED PROFESSIONAL ENGINEER

PATH: P:\POW\PTBAKER\DR\SHT9.dwg < 1=24 >

BY	DATE	DESCRIPTION OF CHANGE

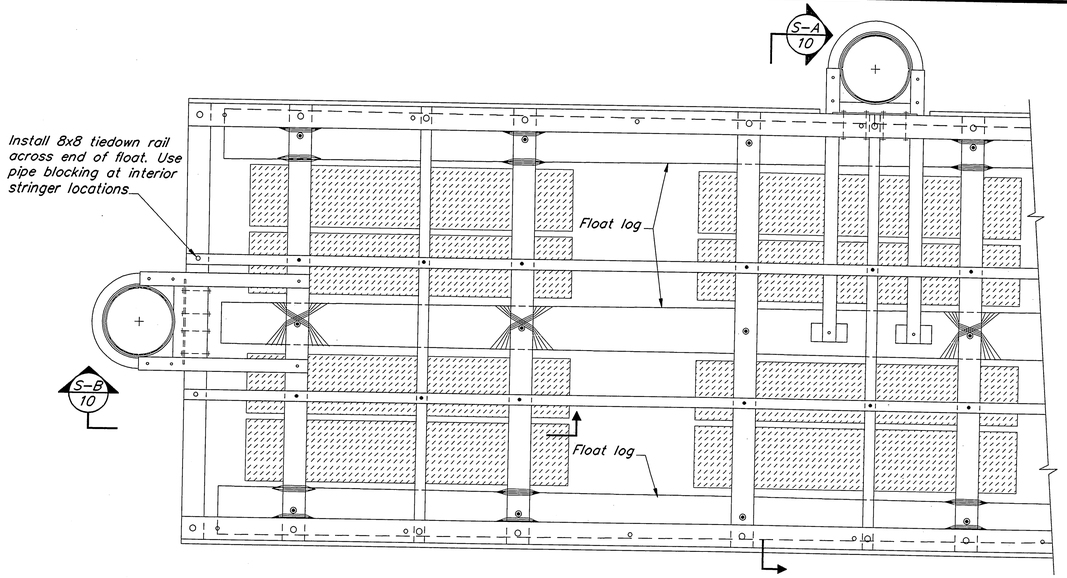
RECORD OF REVISIONS

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

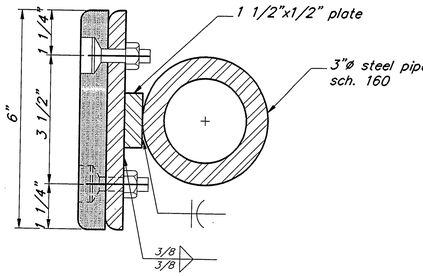
POINT BAKER — ALASKA
PRINCE OF WALES ISLAND
POINT BAKER SEAPLANE FLOAT
A.I.P. # 3-02-0423-01

12'x50' Log Reinforced Float

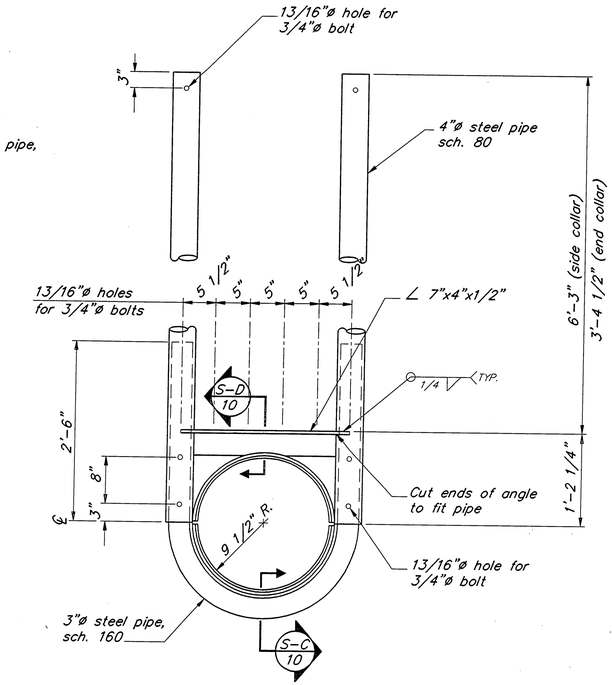
DESIGNED BY: D.D.S.	PROJECT NO. 71135
DRAWN BY: B.W.B.	DATE: APRIL, 1994
CHECKED BY: J.D.B.	SHEET 9 OF 20



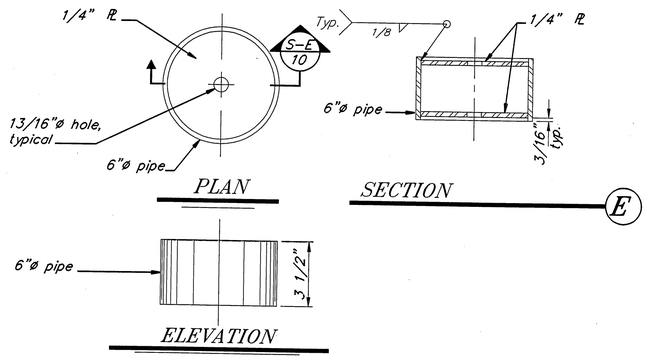
EXTERIOR PILE COLLAR ASSEMBLY



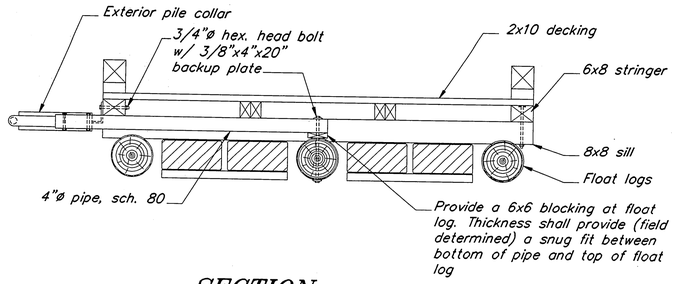
SECTION C



EXTERIOR PILE COLLAR DETAIL



PIPE BLOCKING DETAILS



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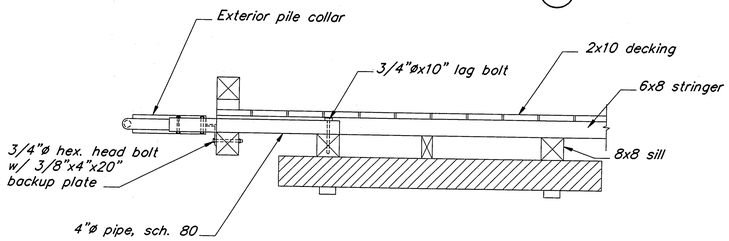

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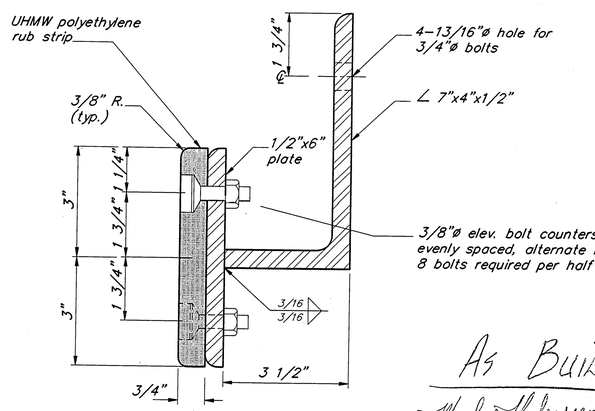

SECTION D

As Built
Mark Habersaat
7/25/95

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

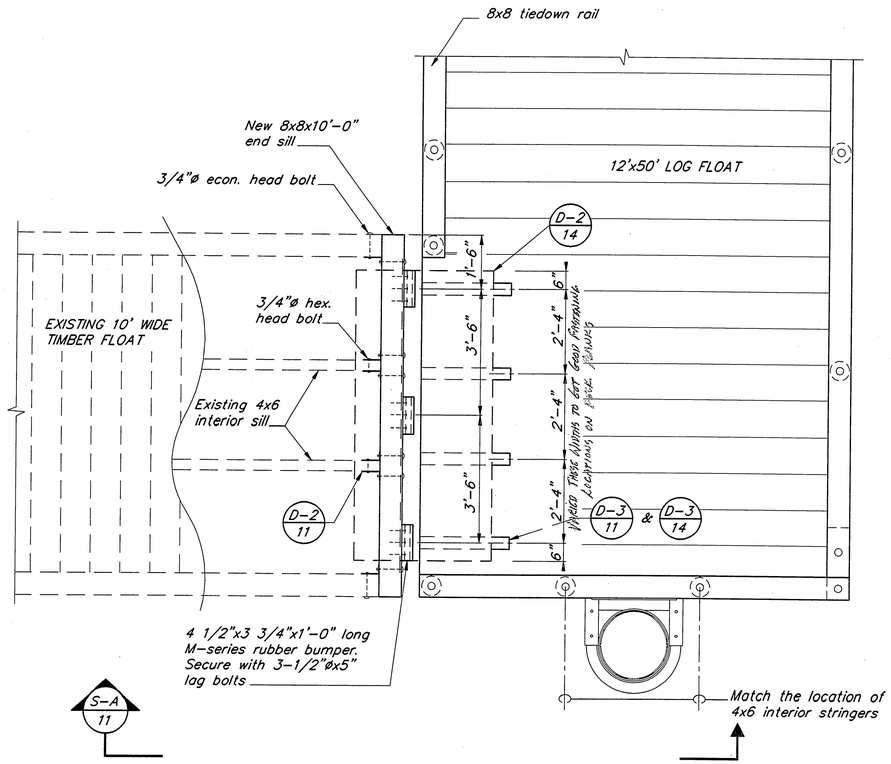
POINT BAKER — ALASKA

PRINCE OF WALES ISLAND
POINT BAKER SEAPLANE FLOAT
A.I.P. # 3-02-0423-01

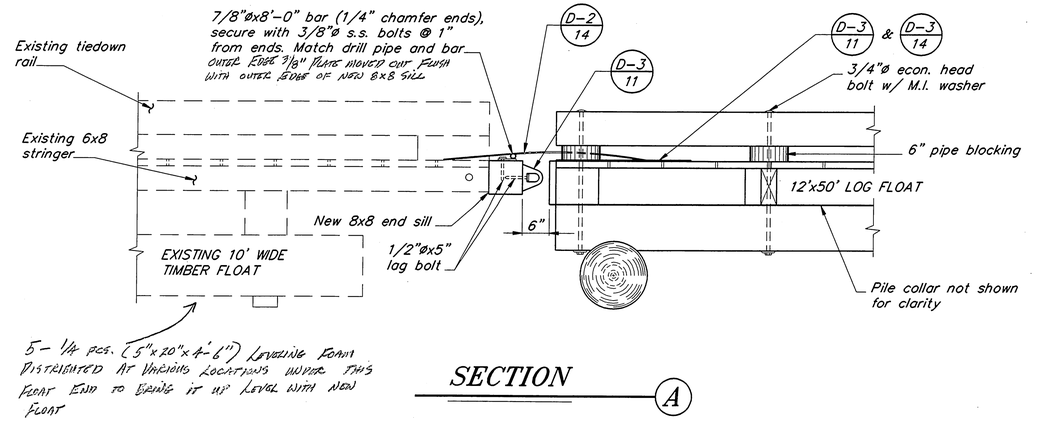
Pile Collar Details

DESIGNED BY: D.D.S.	PROJECT NO. 71135
DRAWN BY: B.W.B.	DATE: APRIL, 1994
CHECKED BY: J.D.B.	SHEET 10 OF 20

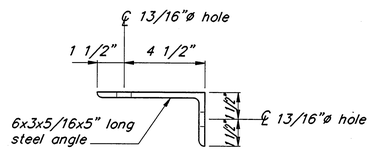
ENGINEER'S SEAL
STATE OF ALASKA
49th
David D. Saldivar
CE-8307
REGISTERED PROFESSIONAL ENGINEER



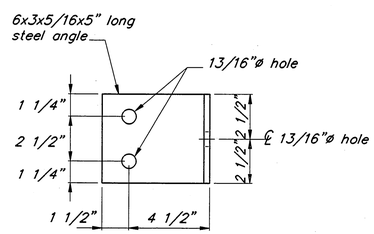
RUBBER BUMPER INSTALLATION DETAIL (1)



SECTION A

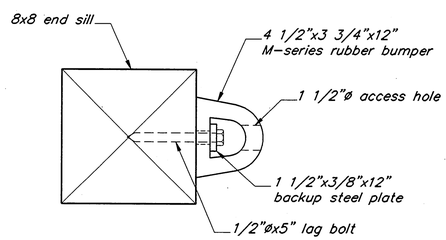


PLAN

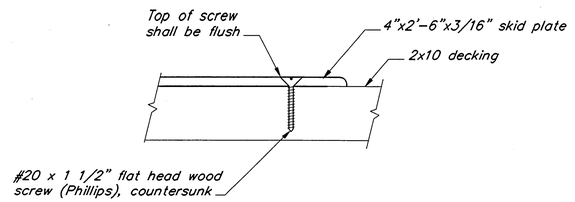


ELEVATION

DETAIL (2)



RUBBER BUMPER DETAIL (3)



SKID PLATE INSTALLATION (3)

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

ENGINEER'S SEAL

STATE OF ALASKA 49th David D. Saldivar CE-8307 REGISTERED PROFESSIONAL ENGINEER

PATH: P:\POW\PTBAKER\DR\SHT11.dwg < 1=24 >		
BY	DATE	DESCRIPTION OF CHANGE

RECORD OF REVISIONS

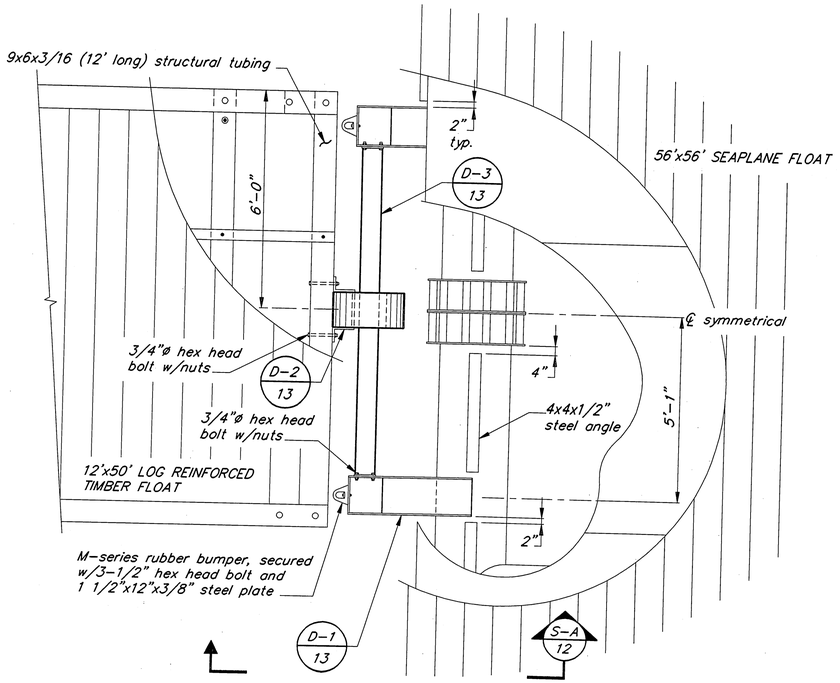
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

POINT BAKER — ALASKA

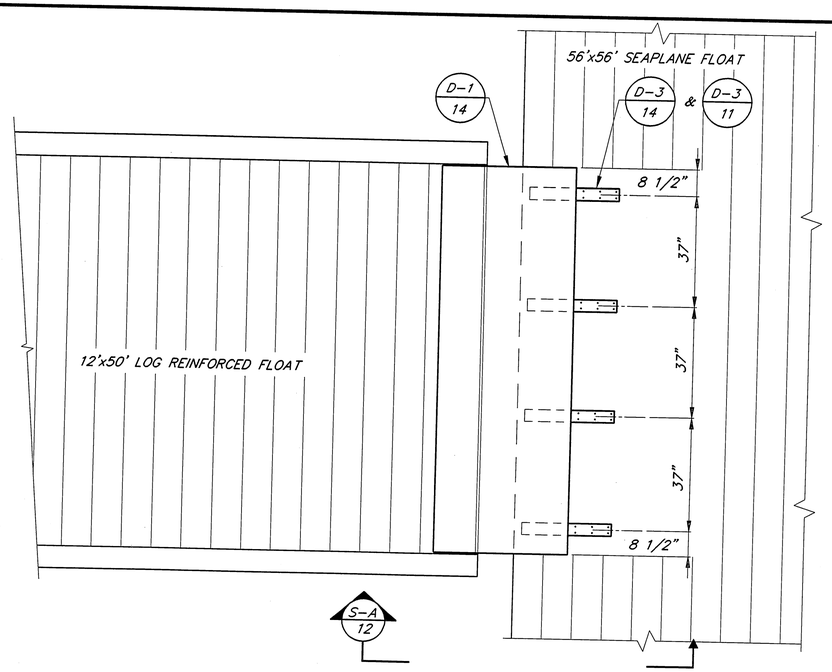
PRINCE OF WALES ISLAND
POINT BAKER SEAPLANE FLOAT
A.I.P. # 3-02-0423-01

Float Connection Details

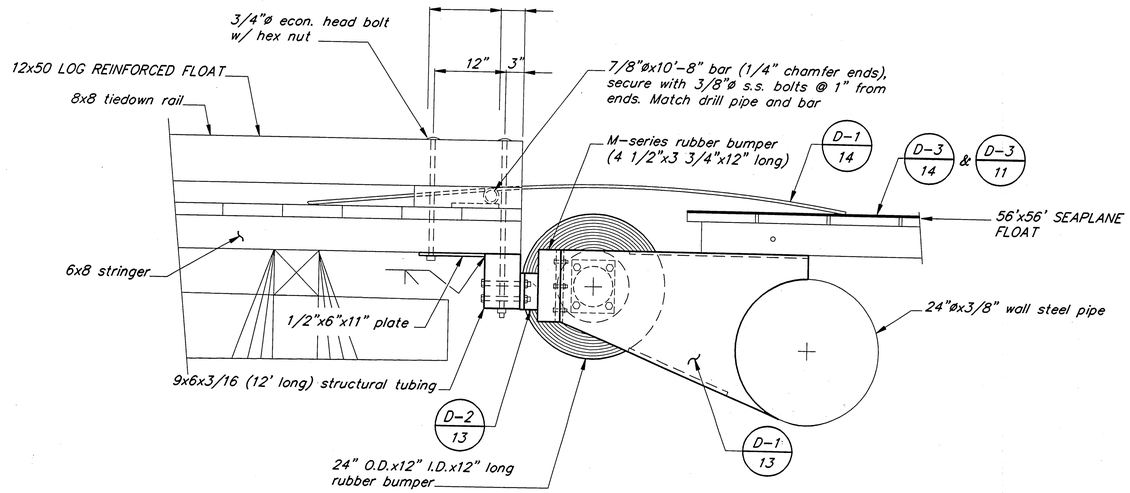
DESIGNED BY: D.D.S.	PROJECT NO. 71135
DRAWN BY: B.W.B.	DATE: APRIL, 1994
CHECKED BY: J.D.B.	SHEET 11 OF 20



BUMPER SLIDE INSTALLATION DETAIL (1)



PLAN DETAIL



SECTION (A)

As Built
Mark Laboven
7/25/95

PATH: P:\POW\PTBAKER\DR\SHT12.dwg < 1=24 >		
BY	DATE	DESCRIPTION OF CHANGE

RECORD OF REVISIONS

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

POINT BAKER — ALASKA

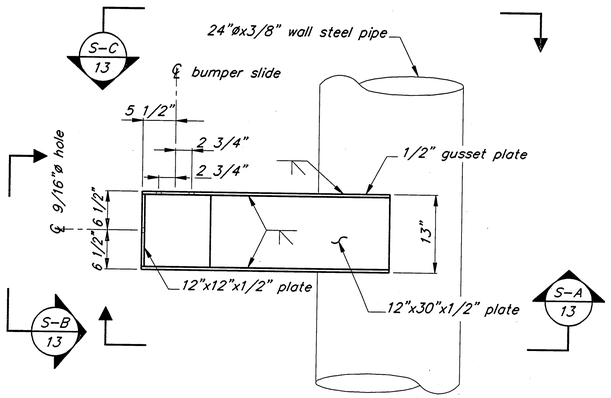
PRINCE OF WALES ISLAND
POINT BAKER SEAPLANE FLOAT
A.I.P. # 3-02-0423-01

Float Connection Details

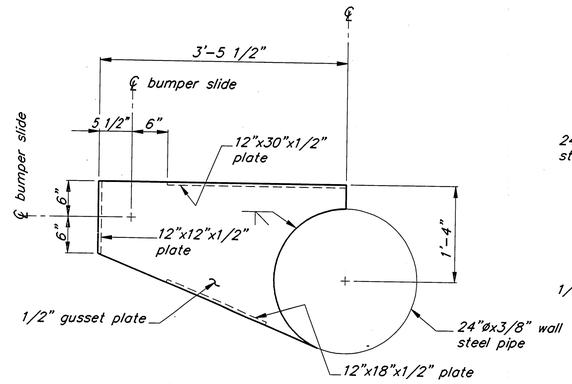
NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

DESIGNED BY: D.D.S.	PROJECT NO. 71135
DRAWN BY: B.W.B.	DATE: APRIL, 1994
CHECKED BY: J.D.B.	SHEET 12 OF 20

ENGINEER'S SEAL
STATE OF ALASKA
49th
David D. Saldivar
CE-8307
REGISTERED PROFESSIONAL ENGINEER



GUSSET PLATE ASSEMBLY (1)



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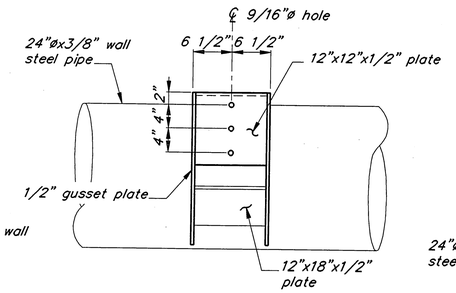

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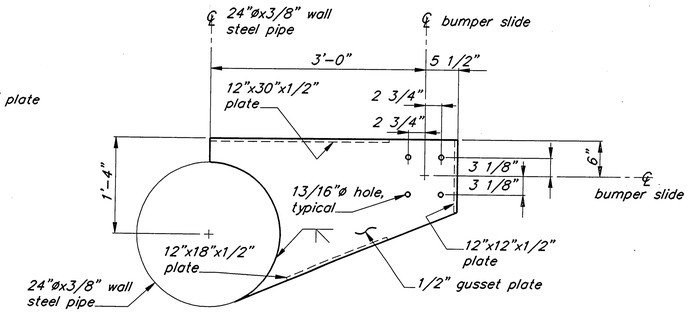

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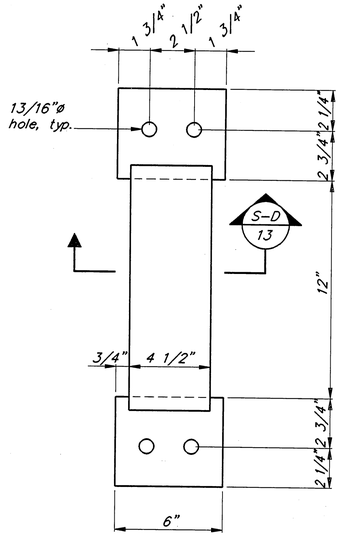

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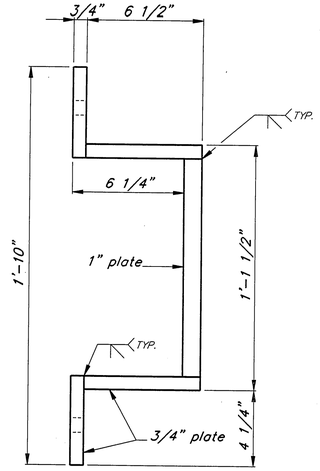
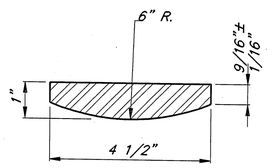


SIDE

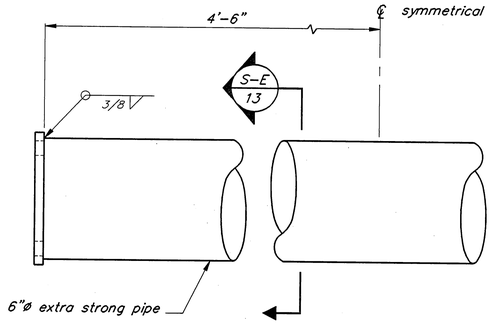
BUMPER BRACKET DETAIL (2)



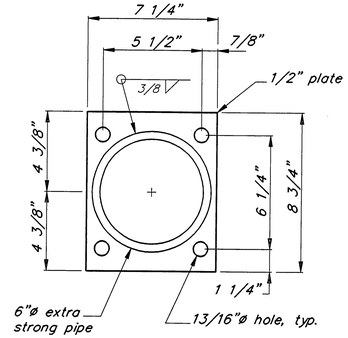
SECTION (D)

NOTE:

CONTRACTOR MAY FABRICATE THIS COMPONENT FROM 12 3/4"x1/2" WALL PIPE WITH APPROPRIATE STIFFENER. SHOP DRAWING SUBMITTED REQUIRED.



BUMPER SLIDE DETAIL (3)



SECTION (E)

As Built
Mark Stevens
7/25/95

NOTE: DO NOT SCALE FROM THESE PLANS–USE DIMENSIONS

ENGINEER'S SEAL
STATE OF ALASKA
49th
David D. Saldivar
CE-8307
PROFESSIONAL ENGINEER

PATH: P:\POW\PTBAKER\DR\SHT13.dwg < 1=12 >

BY	DATE	DESCRIPTION OF CHANGE

RECORD OF REVISIONS

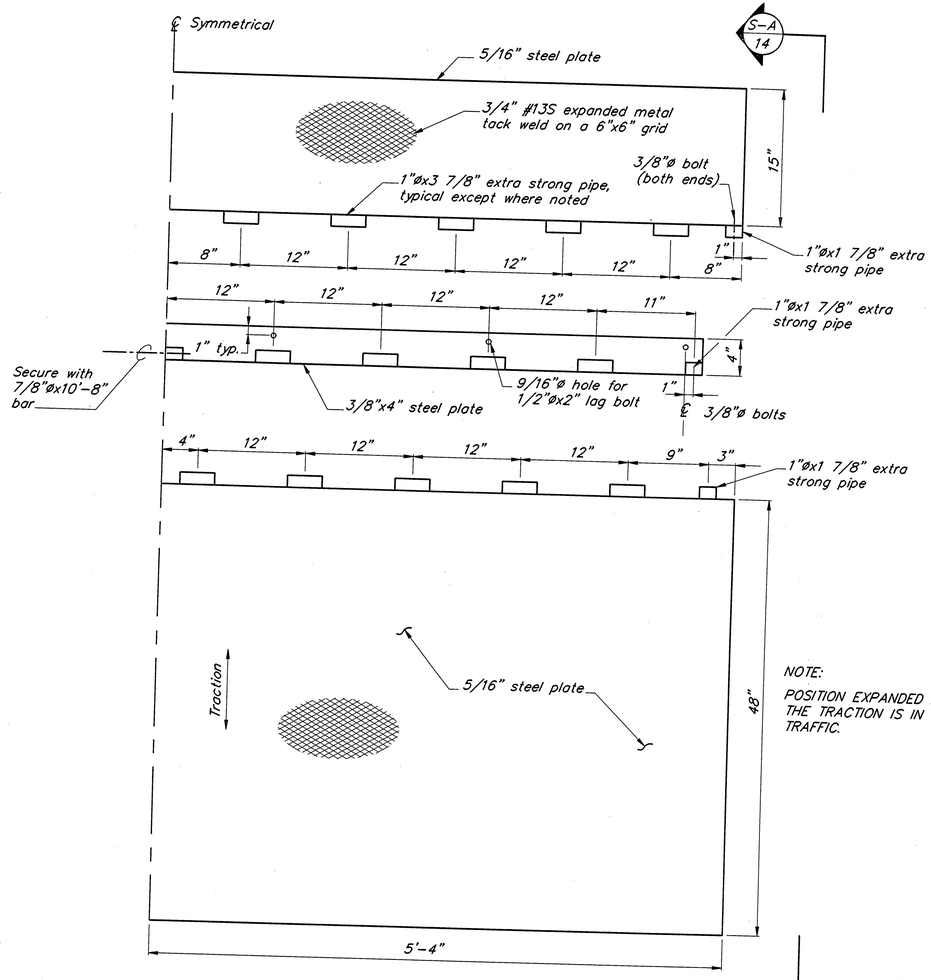
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

POINT BAKER — ALASKA

PRINCE OF WALES ISLAND
POINT BAKER SEAPLANE FLOAT
A.I.P. # 3-02-0423-01

Float Connection Details

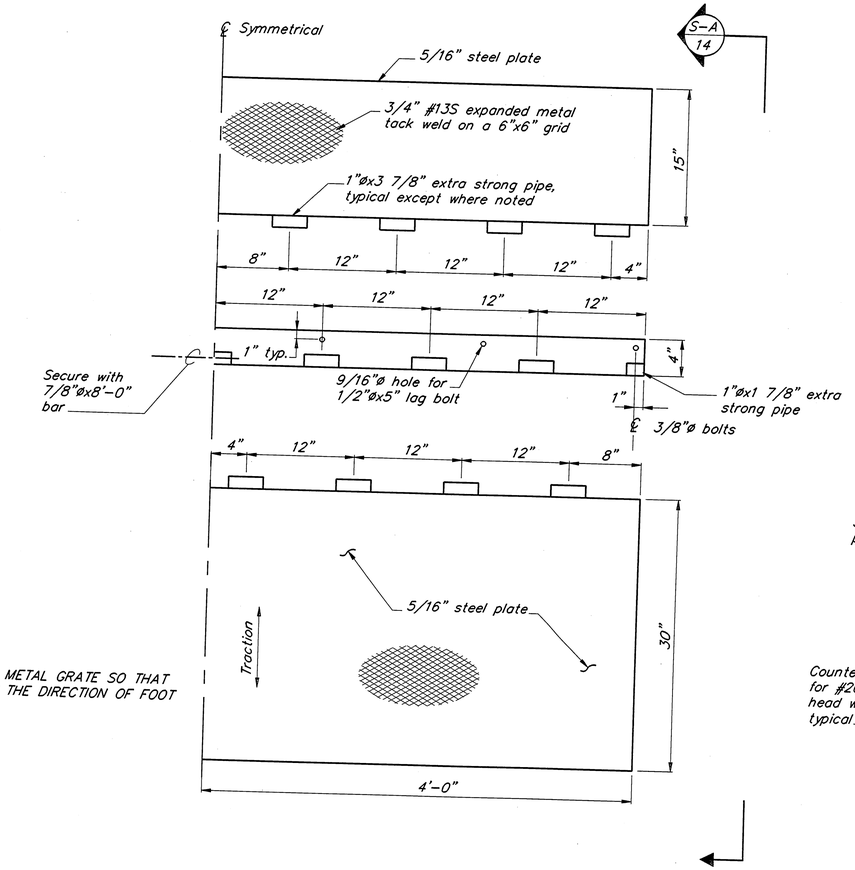
DESIGNED BY: D.D.S.	PROJECT NO. 71135
DRAWN BY: B.W.B.	DATE: APRIL, 1994
CHECKED BY: J.D.B.	SHEET 13 OF 20



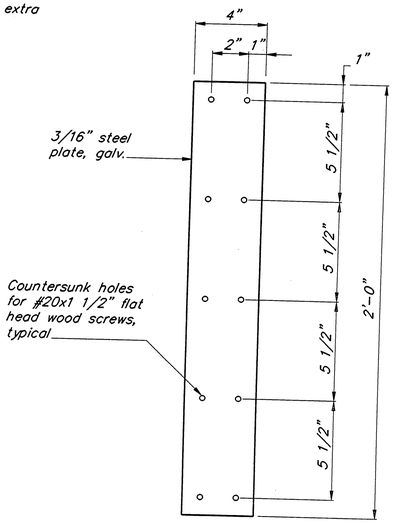
NOTE:

POSITION EXPANDED METAL GRATE SO THAT THE TRACTION IS IN THE DIRECTION OF FOOT TRAFFIC.

TRANSITION PLATE DETAIL 1

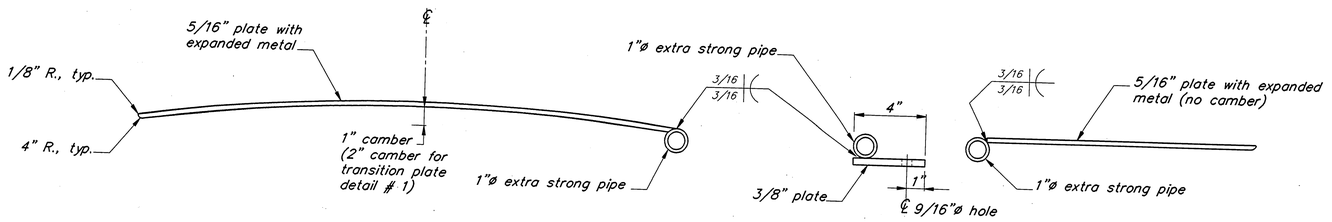


TRANSITION PLATE DETAIL 2



SKID PLATE DETAIL 3

(8 REQUIRED)



SECTION A

As Built
Mark Galvarin
7/25/95

PATH: P:\POW\PTBAKER\DR\SHT14.dwg < 1=8 >

BY	DATE	DESCRIPTION OF CHANGE

RECORD OF REVISIONS

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

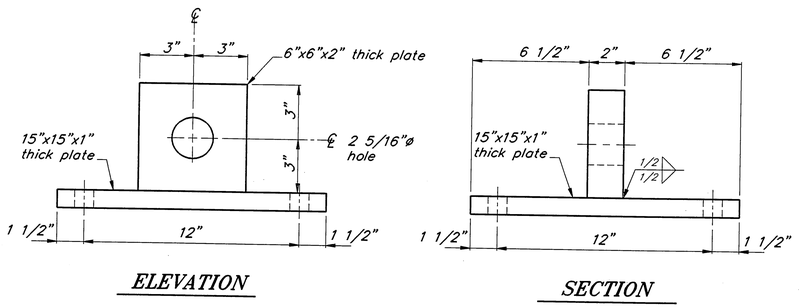
POINT BAKER — PRINCE OF WALES ISLAND — ALASKA
POINT BAKER SEAPLANE FLOAT
A.I.P. # 3-02-0423-01

Transition Plate Details

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

DESIGNED BY: D.D.S.	PROJECT NO. 71135
DRAWN BY: B.W.B.	DATE: APRIL, 1994
CHECKED BY: J.D.B.	SHEET 14 OF 20

ENGINEER'S SEAL
STATE OF ALASKA 49th
David D. Saldivar
CE-8307
REGISTERED PROFESSIONAL ENGINEER

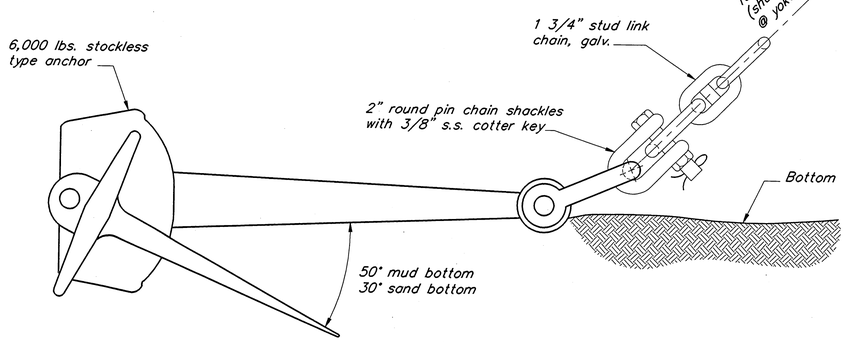


ELEVATION

SECTION

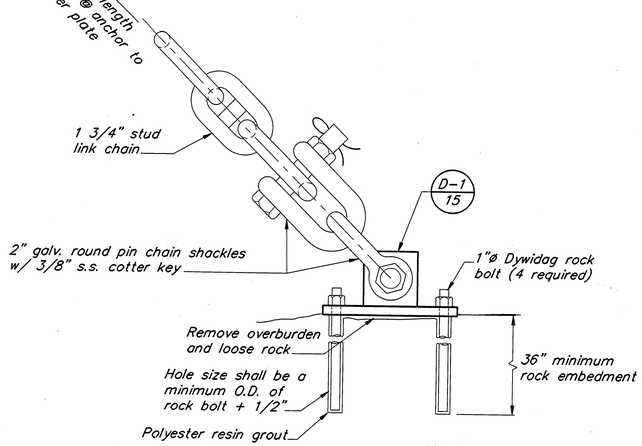
ROCK ANCHOR DETAIL 1

ANCHOR # 1



STOCKLESS ANCHOR DETAIL 2

ANCHOR # 2



ROCK ANCHOR INSTALLATION DETAIL 3

* Shortened up S.W. Corner 1 3/8" Chain by two links for adjustment – extra links above chain keeper

	CHAIN LENGTH	① CHAIN SIZE	⑤ TENSION @ TIDE 16.5	⑤ TENSION @ TIDE 0	② HORIZONTAL DISTANCE
ANCHOR # 1	~~335.0'~~ 135.0'				
* Chain A	± ~~330.0'~~ 130.0' ③	1 3/8"	2510 lbs.	1456 lbs.	
Chain B	±~~335.0'~~ 135.0' ③	1 3/8"	2510 lbs.	1456 lbs.	
Chain C	± ~~85.0'~~ 90.0' ④	1 3/4"	VARIED	VARIED	95'
ANCHOR # 2	~~335.0~~ 135.0'				
Chain A	± ~~330.0'~~ 130.0' ③	1 3/8"	2988 lbs.	1889 lbs.	
Chain B	±~~335.0'~~ 135.0' ③	1 3/8"	2988 lbs.	1884 lbs.	
Chain C	± ~~131'~~ 135' ④	1 3/4"	VARIED	VARIED	130'

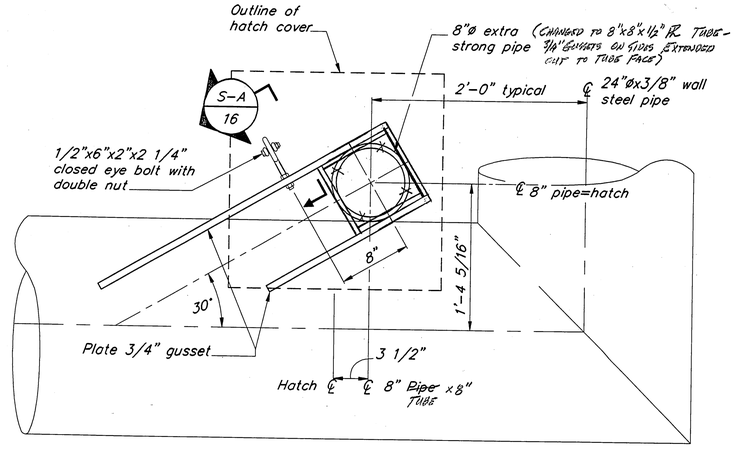
① Stud link chain, galvanized

② Horizontal distance is measured from chain keeper to shackle @ anchor (perpendicular).

③ Chain length is measured from flounder plate to chain keeper, chain lengths are approximate and maybe adjusted to better fit field conditions.

④ Chain length is measured from flounder plate to shackle @ anchor, chain lengths are approximate and maybe adjusted to better fit field conditions.

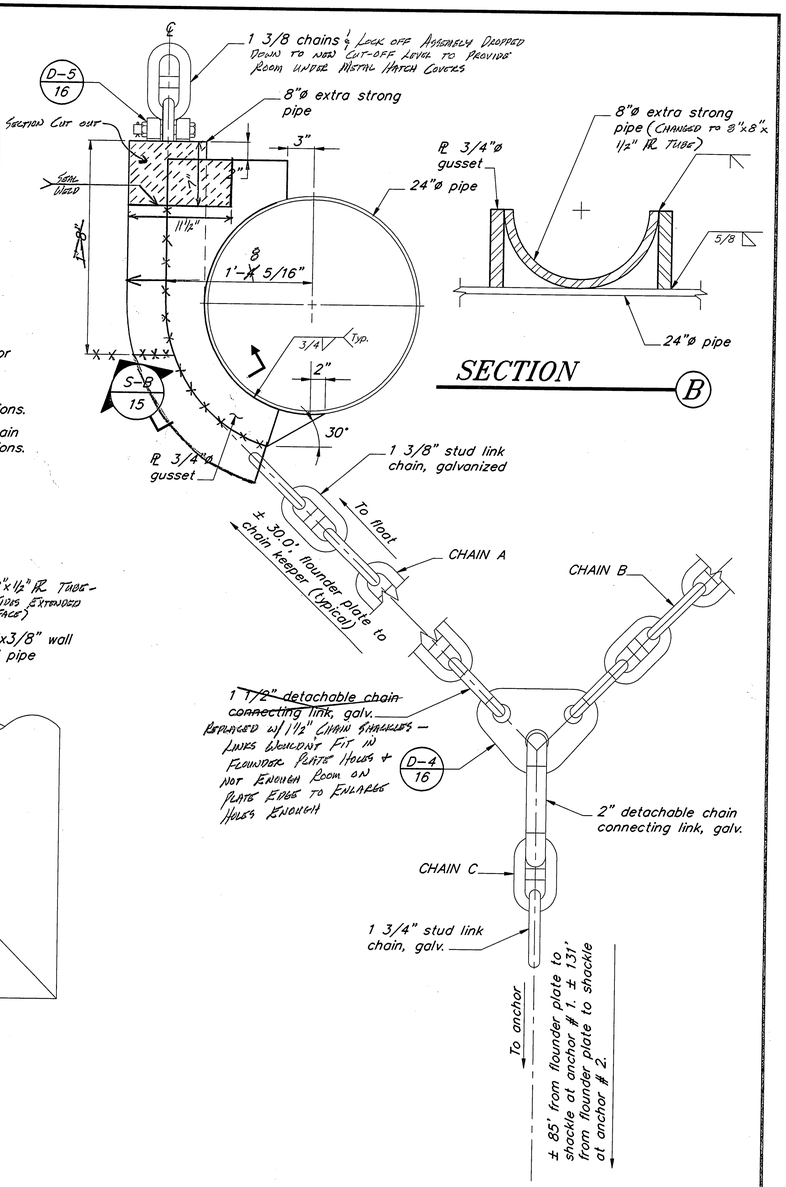
⑤ Tension forces are approximate and maybe adjusted to better fit field conditions.



ANCHOR CONNECTOR DETAIL 4

ROCK ANCHOR INSTALLATION NOTES:

1. After drilling, each bore hole must be cleaned before the resin cartridge is installed.
2. Use slow setting resin. Provide the required amount of resin cartridge to fully encapsulate the length of rock bolt.
3. Insert the Dywidag rock bolt by spinning the bolt at about 100 RPM. Continue to spin for 30 to 60 seconds after reaching the bottom of hole. Total spinning time should not exceed gel time.
4. Rock bolt shall not be loaded until the resin has fully set as recommended by the manufacturer.



SECTION B

ANCHOR YOKE DETAIL 5

As Built
Mark Halvorsen
7/25/95

NOTE: DO NOT SCALE FROM THESE PLANS–USE DIMENSIONS

PATH: P:\POW\PTBAKER\DR\SHT15.dwg < 1=8 >

BY	DATE	DESCRIPTION OF CHANGE

RECORD OF REVISIONS

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

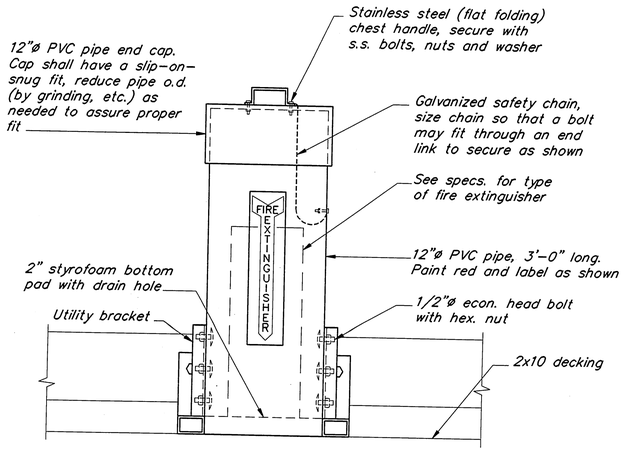
POINT BAKER — ALASKA

PRINCE OF WALES ISLAND
POINT BAKER SEAPLANE FLOAT
A.I.P. # 3-02-0423-01

Anchor Details

DESIGNED BY: D.D.S.	PROJECT NO. 71135
DRAWN BY: B.W.B.	DATE: APRIL, 1994
CHECKED BY: J.D.B.	SHEET 15 OF 20

ENGINEER'S SEAL
STATE OF ALASKA 49th
David D. Saldivar CE-8307
REGISTERED PROFESSIONAL ENGINEER



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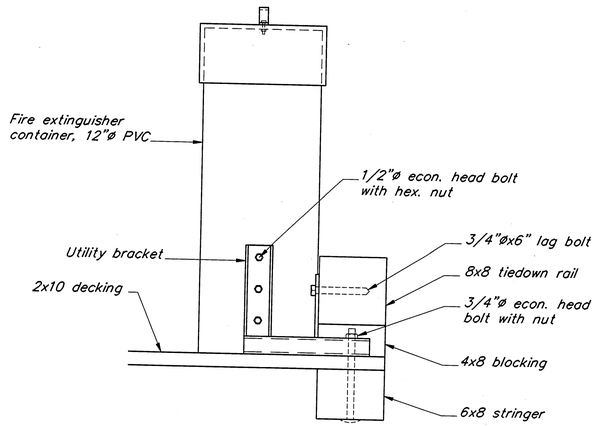
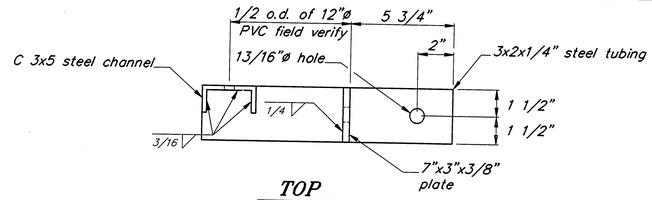


SIDE

FIRE EXTINGUISHER & CONTAINER (1)

(1 REQUIRED)



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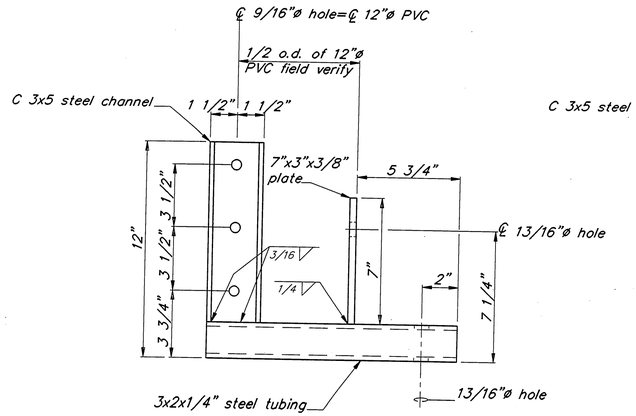

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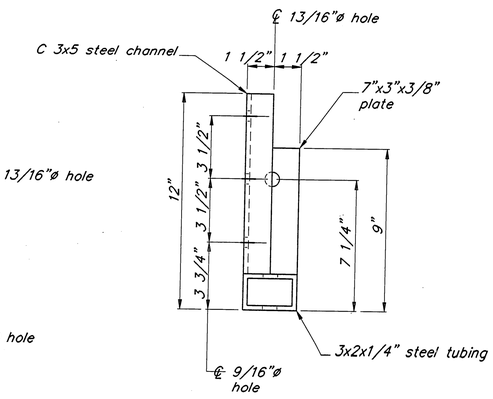
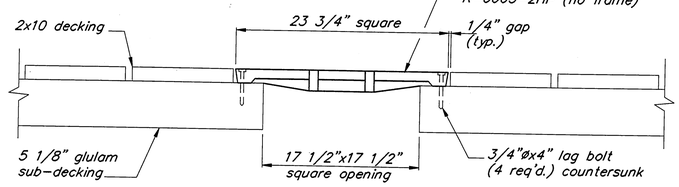


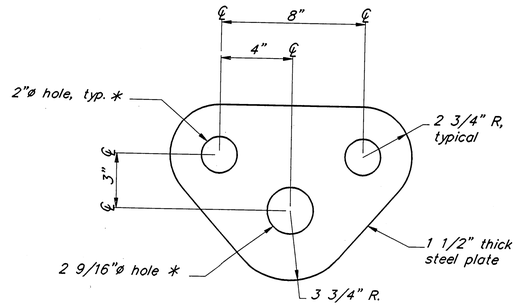
FRONT

UTILITY BRACKET DETAIL (2)



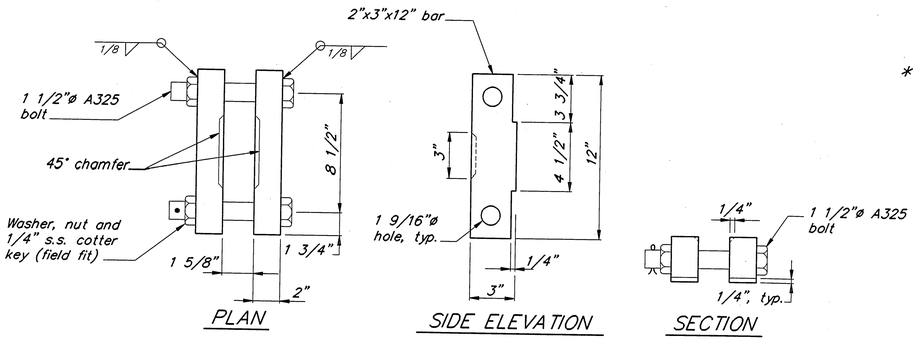
ACCESS HATCH DETAIL (3)

(4 REQUIRED)

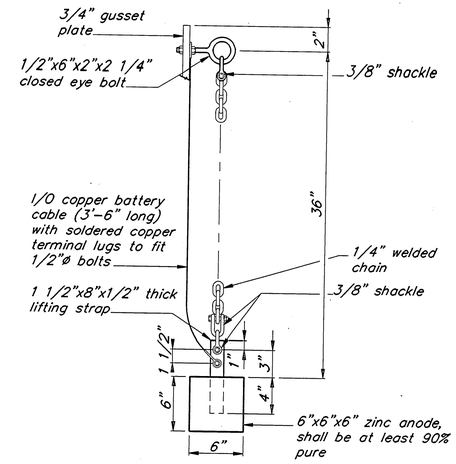


FLOUNDER PLATE DETAIL (4)

* Hole size are approximate, exact hole size will be determined by the actual dimension of the detachable chain connecting link (O.D. +1/16").



CHAIN KEEPER DETAIL (5)



SECTION

SECTION (A)

As Built
Mark Sorensen
7/26/95

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

ENGINEER'S SEAL
STATE OF ALASKA
49th
David D. Soldivar
CE-8307
REGISTERED PROFESSIONAL ENGINEER

PATH: P:\POW\PTBAKER\DR\SHT16.dwg < 1=8 >

BY	DATE	DESCRIPTION OF CHANGE

RECORD OF REVISIONS

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

POINT BAKER — PRINCE OF WALES ISLAND — ALASKA
POINT BAKER SEAPLANE FLOAT
A.I.P. # 3-02-0423-01

Fire Extinguisher & Container Details

DESIGNED BY: D.D.S.	PROJECT NO. 71135
DRAWN BY: B.W.B.	DATE: APRIL, 1994
CHECKED BY: J.D.B.	SHEET 16 OF 20

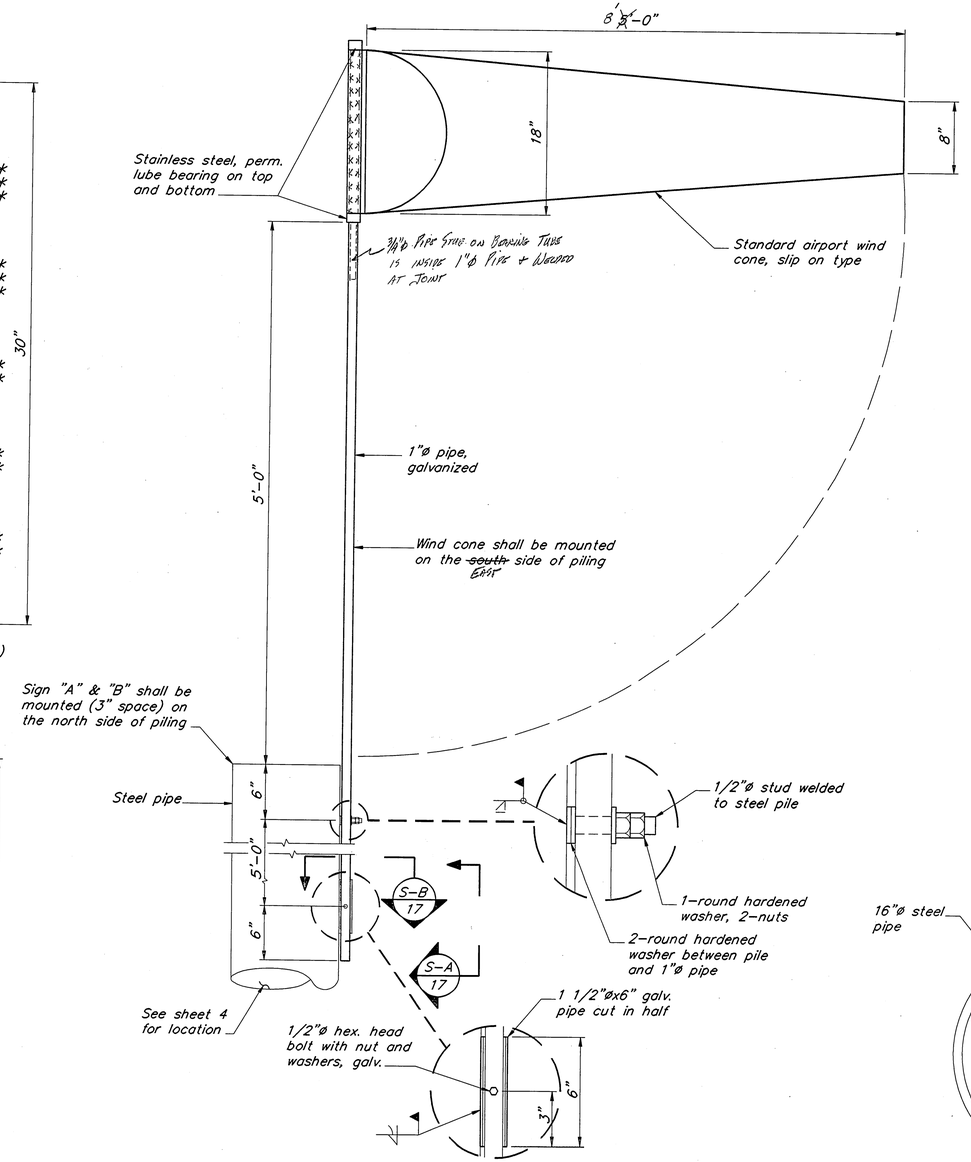
SIGN "A"

1 REQUIRED

* "B" SERIES LETTERING
** "C" SERIES LETTERING
*** "D" SERIES LETTERING

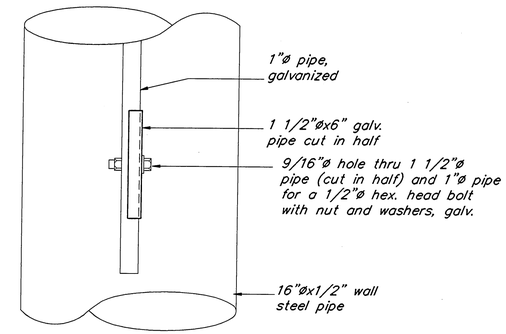
SIGN "B"

1 REQUIRED

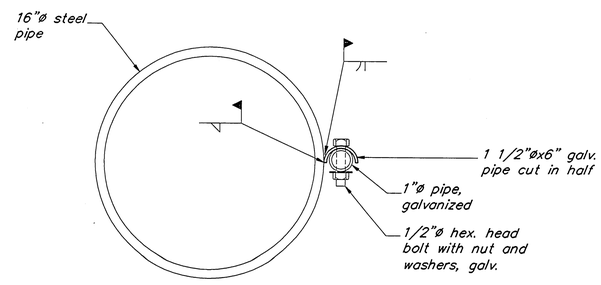


WIND CONE DETAIL

1 REQUIRED



SECTION (A)



SECTION (B)

As Built
Mark Clabornen
7/26/95

SIGN NOTES :

Align top of sign "A" 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"ø 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.

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: P:\POW\PTBAKER\DR\SHT17.dwg < 1=4 >

BY	DATE	DESCRIPTION OF CHANGE

RECORD OF REVISIONS

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

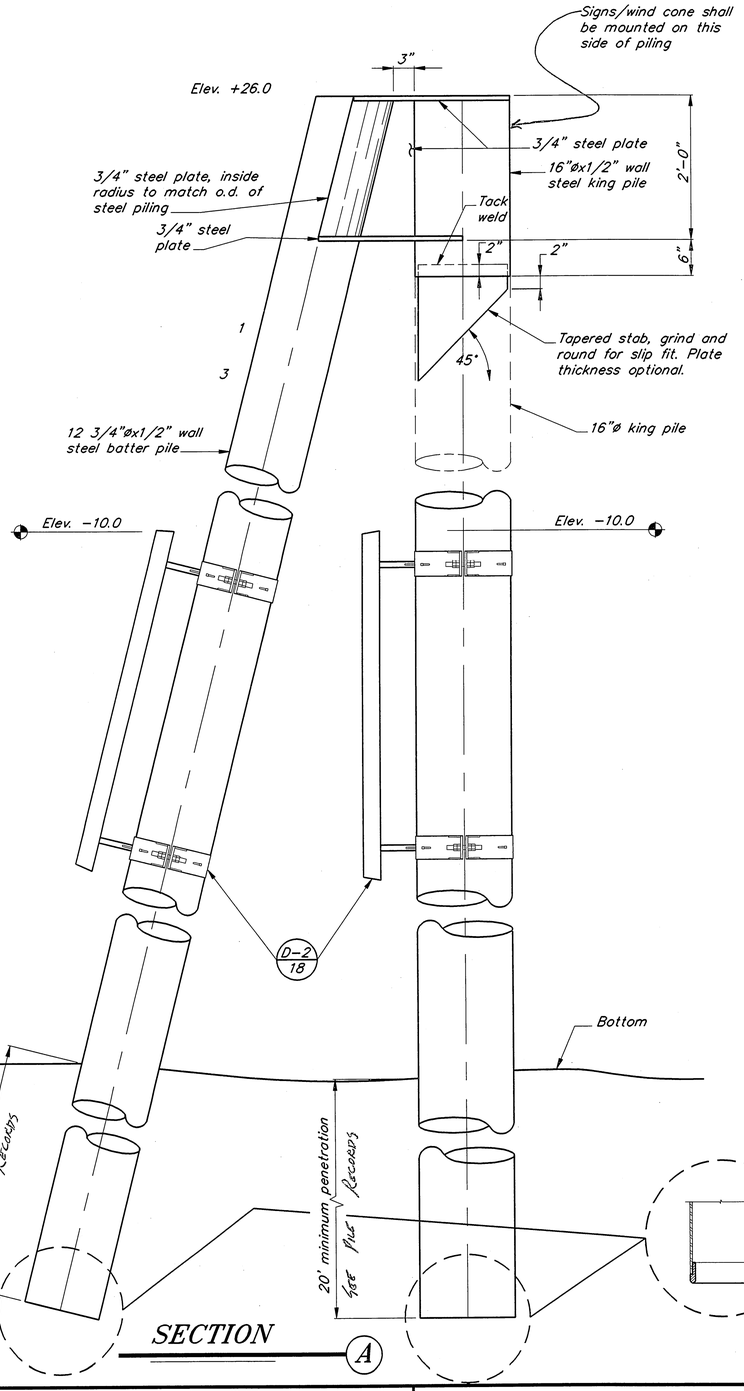
POINT BAKER — ALASKA

PRINCE OF WALES ISLAND
POINT BAKER SEAPLANE FLOAT
A.I.P. # 3-02-0423-01

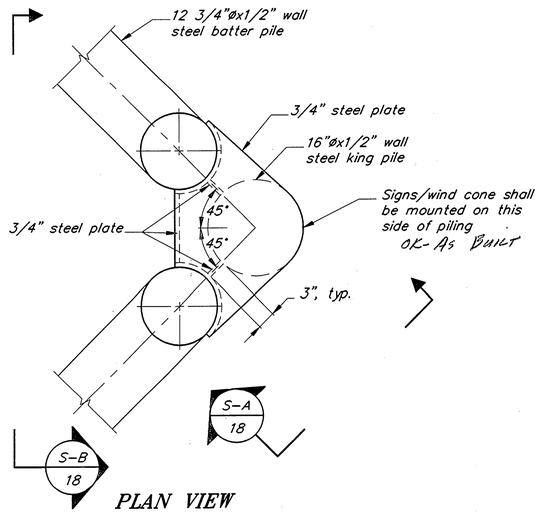
Signs & Wind Cone Details

DESIGNED BY: D.D.S.	PROJECT NO. 71135
DRAWN BY: B.W.B.	DATE: APRIL, 1994
CHECKED BY: J.D.B.	SHEET 17 OF 20

ENGINEER'S SEAL
STATE OF ALASKA
49th
David D. Saldivar
CE-8307
REGISTERED PROFESSIONAL ENGINEER



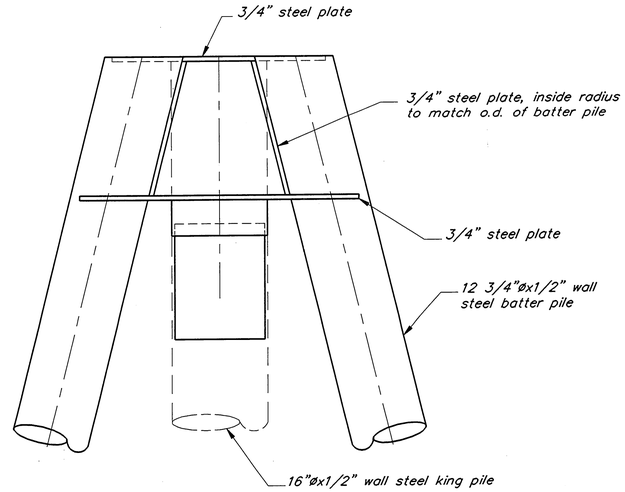
SECTION A



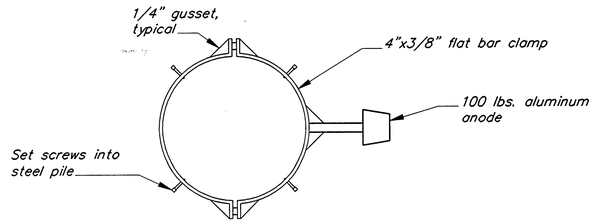
PLAN VIEW

3 PILE DOLPHIN DETAIL 1

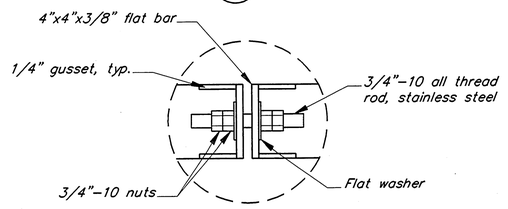
(2 REQUIRED)



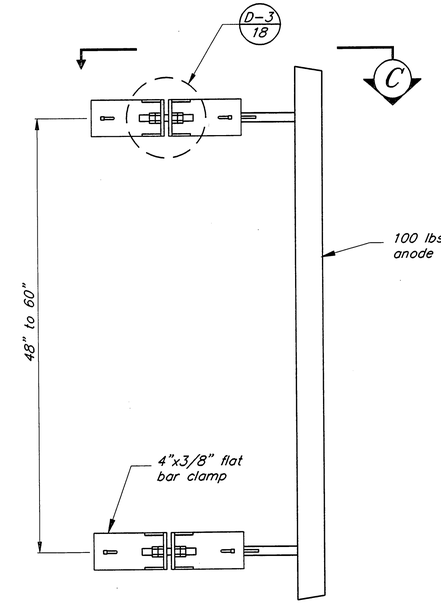
SECTION B



Section C



Clamp Connection Detail 3



Anode Bracelet Detail 2

(6 REQUIRED)

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

ENGINEER'S SEAL

STATE OF ALASKA 49th David D. Soldivar CE-8307 REGISTERED PROFESSIONAL ENGINEER

PATH: P:\POW\PTBAKER\DR\SHT18.dwg < 1=12 >		
BY	DATE	DESCRIPTION OF CHANGE

RECORD OF REVISIONS

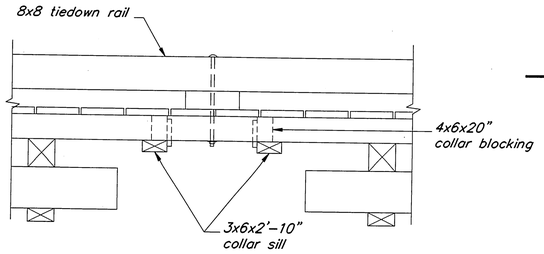
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

POINT BAKER — ALASKA

PRINCE OF WALES ISLAND
POINT BAKER SEAPLANE FLOAT
A.I.P. # 3-02-0423-01

Dolphin Details

DESIGNED BY: D.D.S.	PROJECT NO. 71135
DRAWN BY: B.W.B.	DATE: APRIL, 1994
CHECKED BY: J.D.B.	SHEET 18 OF 20

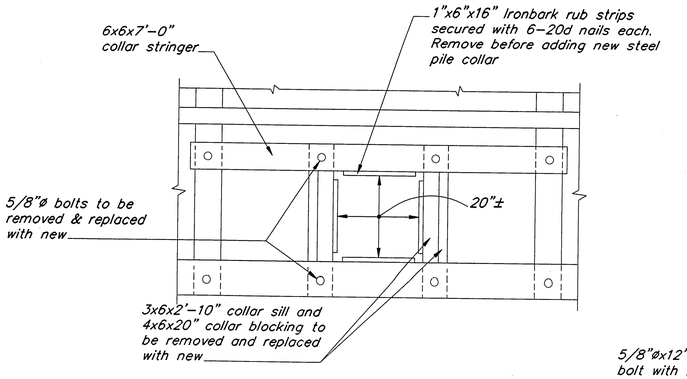


ELEVATION

EXISTING PILE COLLAR

PILE COLLAR REPLACEMENT NOTES:

1. Remove iron bark and nails from stringers.
2. Replace two collar sills and blocking at each location. Supply 5/8"ø economy head bolts and hex head bolts with M.I. washers and nuts required to secure sills, blocking and pile collar.
3. Existing decking may have to be removed and replaced to access the bolts holding the collar sill.
4. Put new steel pile collars in position.
5. Field drill 11/16"ø holes through deck, blocking and collar sills, treat holes per specification and secure collar with bolts.
6. See sheet 3 for locations of pile collars to be replaced.

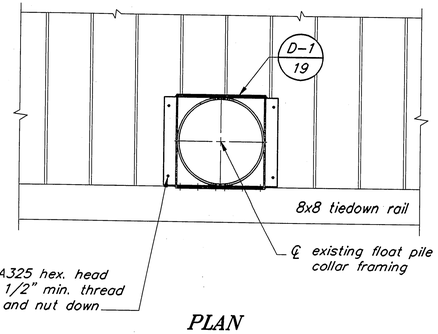


PLAN

EXISTING PILE COLLAR

NEW TIMBERS NOT NECESSARY ON THE TWO COLLARS FOR THE EXISTING 10'x 200' FLOAT

PILE COLLAR ON 10'x 75' FLOAT MOVED BACK TOWARD GANGWAY APPROX. 6" AND COMPLETELY REBUILT - COLLAR MOVED TO BETTER BEAR ON PILE ALONG WITH PILE OF OTHER DOLPHIN OF THIS FLOAT

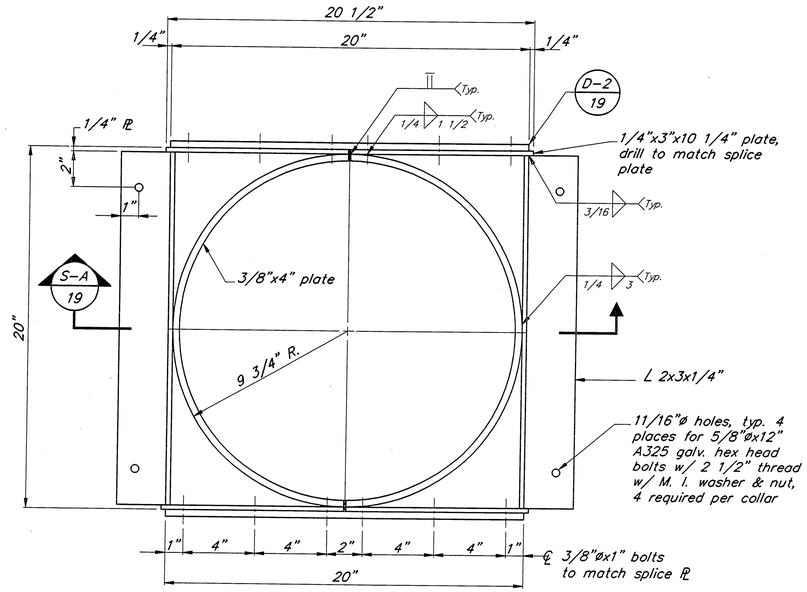


PLAN

REPLACEMENT PILE COLLAR IN PLACE

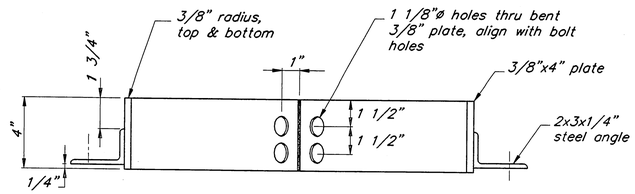
WORK No. 2

As Built
Mark Salvesen
7/24/95

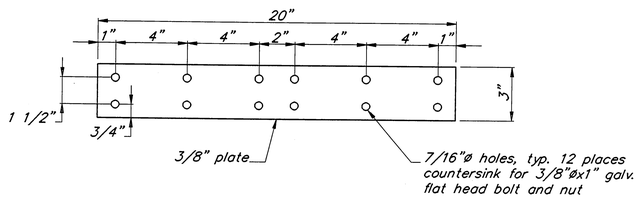


SPLIT PILE COLLAR (1)

3 REQUIRED



SECTION (A)



SPLICE PLATE DETAIL (2)

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: P:\POW\PTBAKER\DR\SHT19.dwg < 1=12 >

BY	DATE	DESCRIPTION OF CHANGE

RECORD OF REVISIONS

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

POINT BAKER — ALASKA

PRINCE OF WALES ISLAND
POINT BAKER SEAPLANE FLOAT
A.I.P. # 3-02-0423-01

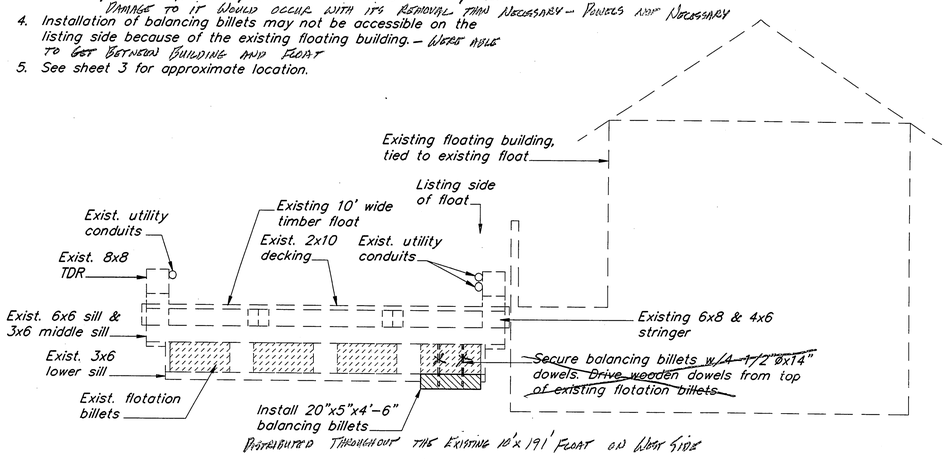
Pile Collar Replacement

DESIGNED BY: D.D.S.	PROJECT NO. 71135
DRAWN BY: B.W.B.	DATE: APRIL, 1994
CHECKED BY: J.D.B.	SHEET 19 OF 20

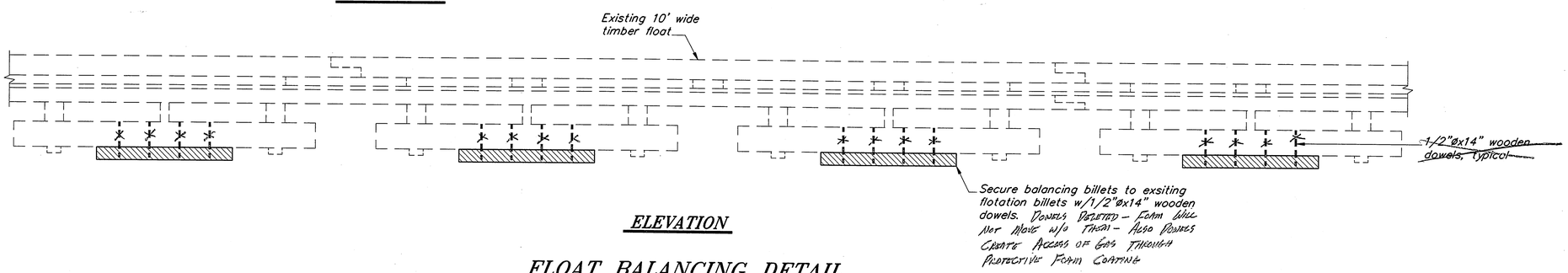
ENGINEER'S SEAL
STATE OF ALASKA
49th
David D. Saldivar
CE-8307
REGISTERED PROFESSIONAL ENGINEER

FLOAT BALANCING NOTES:

1. Contractor shall supply a minimum of 8–20"x5"x4'–6" balancing billets. Balancing billets shall be installed at locations directed by the Engineer.
2. Unused balancing billets shall become the property of the State and shall be stored at a location on the project site as directed by the Engineer. – ALL USED
3. Existing 2x10 decking shall be removed as necessary to drive the 1/2"ø x14" wooden dowels (treated) thru the existing flotation billets. DELETED – EXISTING DECKING WAS INSTALLED TIGHT & MORE DAMAGE TO IT WOULD OCCUR WITH ITS REMOVAL THAN NECESSARY – PANELS NOT NECESSARY
4. Installation of balancing billets may not be accessible on the listing side because of the existing floating building. – WATER HOSE TO GET BETWEEN BUILDING AND FLOAT
5. See sheet 3 for approximate location.

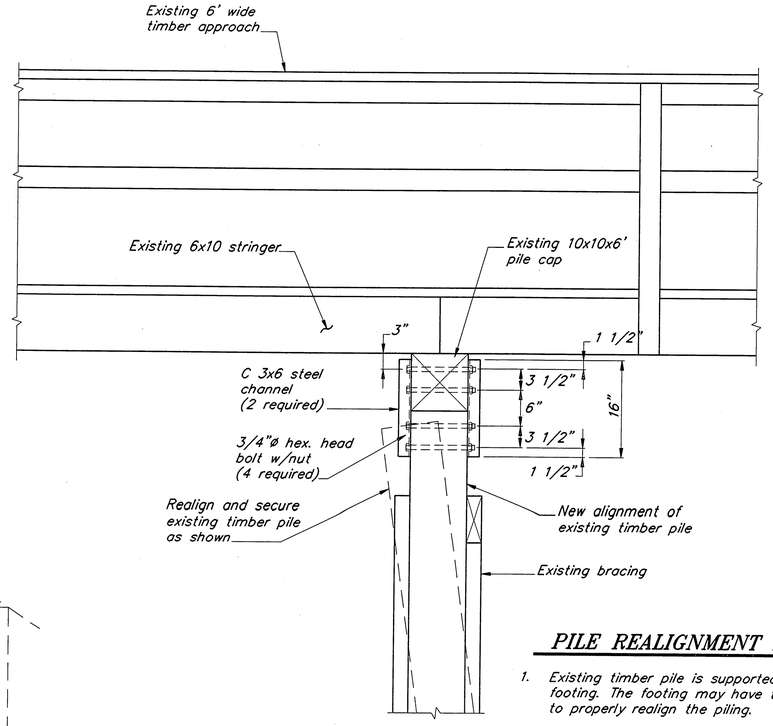


SECTION



ELEVATION

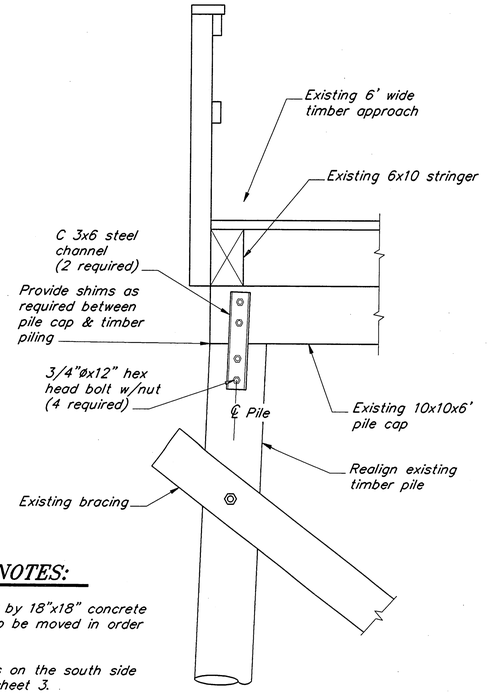
FLOAT BALANCING DETAIL
WORK No. 3



ELEVATION

PILE REALIGNMENT NOTES:

1. Existing timber pile is supported by 18"x18" concrete footing. The footing may have to be moved in order to properly realign the piling.
2. The single pile to be realigned is on the south side of the third bent as shown on sheet 3.



SECTION

PILE REALIGNMENT
WORK No. 1

AS BUILT
Mark Dalrymple
7/24/95

NOTE: DO NOT SCALE FROM THESE PLANS–USE DIMENSIONS

PATH: P:\POW\PTBAKER\DR\SHT20.dwg < 1=24 >		
BY	DATE	DESCRIPTION OF CHANGE

RECORD OF REVISIONS

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

POINT BAKER — PRINCE OF WALES ISLAND — ALASKA
POINT BAKER SEAPLANE FLOAT
A.I.P. # 3-02-0423-01

Pile Realignment/Float Balancing

DESIGNED BY: D.D.S.	PROJECT NO. 71135
DRAWN BY: B.W.B.	DATE: APRIL, 1994
CHECKED BY: J.D.B.	SHEET 20 OF 20

ENGINEER'S SEAL
STATE OF ALASKA 49th
David D. Saldivar CE-8307
REGISTERED PROFESSIONAL ENGINEER