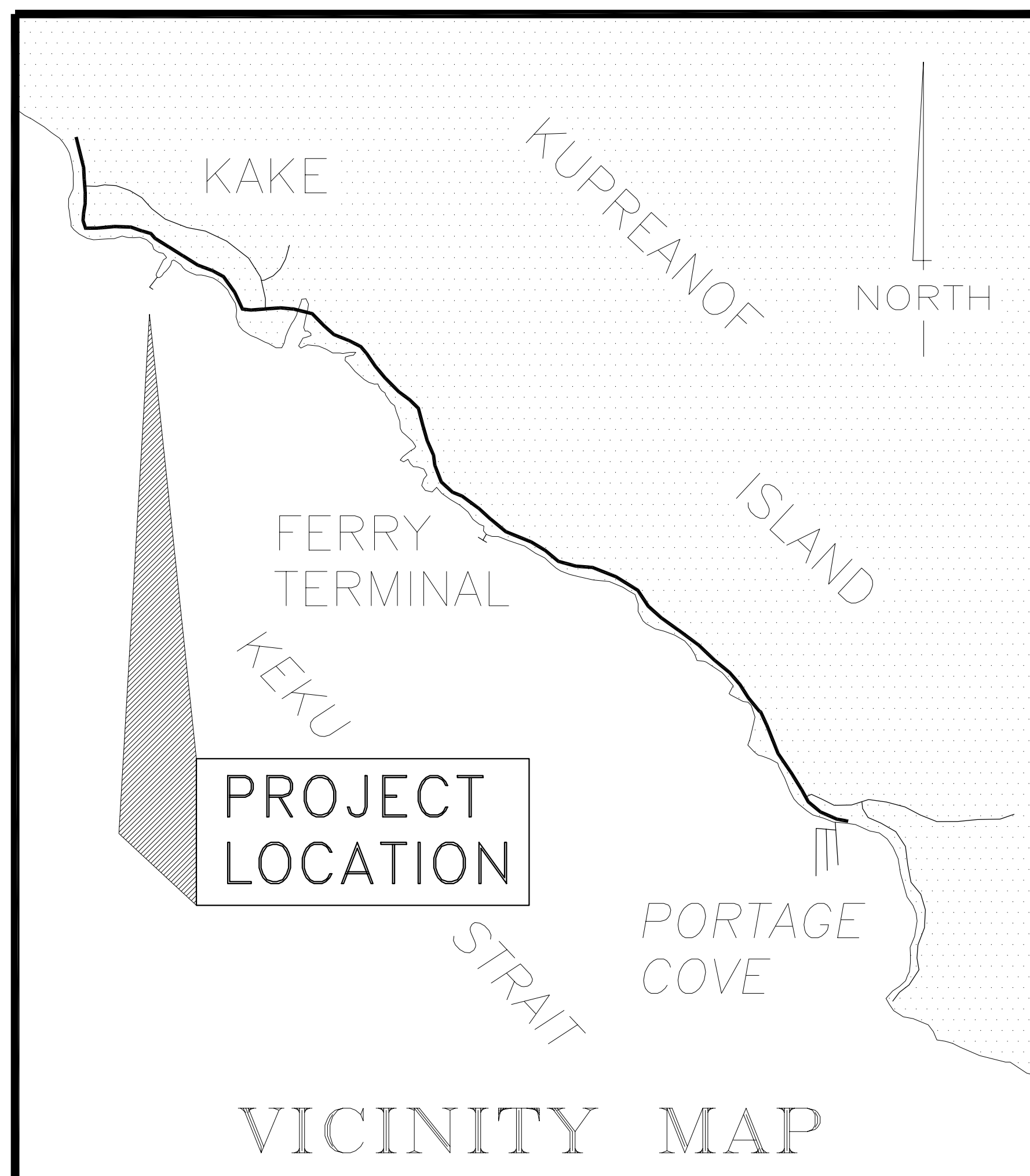


REGIONAL MAP

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND  
PUBLIC FACILITIES  
  
STATEWIDE DESIGN  
AND ENGINEERING SERVICES DIVISION

*KAKE SEAPLANE  
FLOAT REPLACEMENT*

PROJECT NO. 67744



VICINITY MAP

REF. TO N.O.A.A. CHART NO. 17368

*INDEX OF SHEETS*

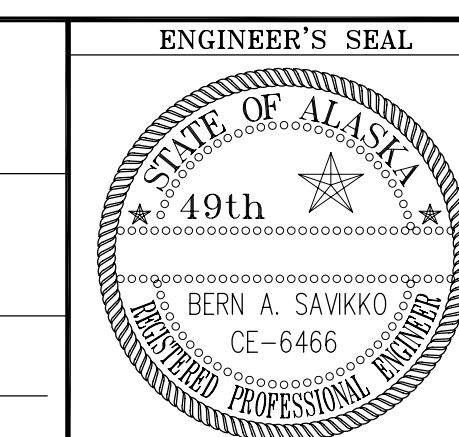
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	ESTIMATE OF QUANTITIES & GENERAL NOTES
3	EXISTING AND NEW GENERAL LAYOUTS
3A	CHANGE ORDER NO. 2 DETAILS
4	12'X36' LOG REINFORCED FLOAT
5	12'X36' LOG REINFORCED FLOAT DETAILS
6	HINGE DETAILS
7	TRANSITION PLATE DETAILS
8	SEAPLANE FLOAT
9	FLOAT FOAM & PILE DETAILS
10	PILE COLLAR DETAILS
11-16	AS BUILT FLOAT DETAILS
17-18	AS BUILT GANGWAY DETAILS

AS-BUILT PLANS

CONTRACTOR – R.A. ENVIRONMENTAL, ANCHORAGE AK.  
PROJECT ENGINEER – JIM MAYER  
NOTICE TO PROCEED – 2/8/00  
ACTUAL BEGIN DATE – 3/17/00  
COMPLETION DATE – ORIGINALLY 7/31/00  
EXTENDED TO 10/30/00 BY CHANGE ORDER  
ACTUAL COMPLETION DATE – 9/7/00  
ORIGINAL CONTRACT AMOUNT – \$174,602.00  
ACTUAL FINAL AMOUNT – \$186,780.84

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND  
PUBLIC FACILITIES  
STATEWIDE DESIGN AND ENGINEERING SERVICES  
APPROVED \_\_\_\_\_ Date \_\_\_\_\_  
Regional Preconstruction Engineer  
APPROVED \_\_\_\_\_ Date \_\_\_\_\_  
Regional Director

PROJECT NUMBER:  
**67744**  
DATE:  
**October 1999**  
SHEET **1** OF **18**



# ESTIMATE OF QUANTITIES

ITEM NO.	ITEM	PAY UNIT	ESTIMATED QUANTITIES
110	Mobilization/Demobilization	L.S.	All Req'd
111(1)	Erosion & Pollution Control, Administration	L.S.	All Req'd
111(2)	Erosion & Pollution Control	C.S.	All Req'd
201	Removal and/or Relocation of Structures and Obstructions	L.S.	All Req'd
301(1)	12 3/4"Ø x 1/2" Wall Pipe Piles, Furnished	L.F.	<del>726</del> 673
301(2)	12 3/4"Ø x 1/2" Wall Pipe Piles, Driven	EA.	9
301(3)	Pipe Pile Rock Sockets, Furnished	L.S.	All Req'd
301(4)	Pipe Pile Rock Sockets, Installed	EA.	<del>5</del> 0
302(1)	Pile Caps, Furnished, Fabricated and Erected	L.S.	All Req'd
311(1)	Furnish & Install 12'x36' Float	L.S.	All Req'd
311(2)	Furnish & Install 24'x60' Float	L.S.	All Req'd
311(3)	Install State Furnished 12'x75' Log Float	L.S.	All Req'd
201(1)	Additional Compensation, Change Order No. 1	L.S.	All Required
311(4)	Additional Flotation, Change Order No. 1	L.S.	All Required
201(2)	Gangway Relocation, Change Order No. 2	L.S.	All Required
302(2)	Windsock, Change Order No. 2	L.S.	All Required
311(5)	Gangway Sills, Change Order No. 2	L.S.	All Required
311(6)	Flotation Installation, Change Order No. 2	L.S.	All Required

# GENERAL NOTES

**Specifications:**

**Construction:** Per Contract Documents for Project No. 67744

**Design:** Float and Restraint Piles:  
5 foot wave load, 20 degrees to longitudinal axis of gangway  
20 psf Live Load on float deck

**Protective Coatings:**

Pipe Piles and Caps, Hinge Assemblies, Miscellaneous Steel Fabrications, and Hardware: Galvanized after fabrication.

Bolts, washers, nuts, and hardware shall be galvanized unless noted otherwise.

**Piling:**

**Size:** 12 3/4"Ø x 1/2" wall steel piles

**Tips:** Reinforced tips w/ APF 0-14000 or APF 0-14001 Drive Shoes or Approved equal. Drive Shoes are required for all piling.



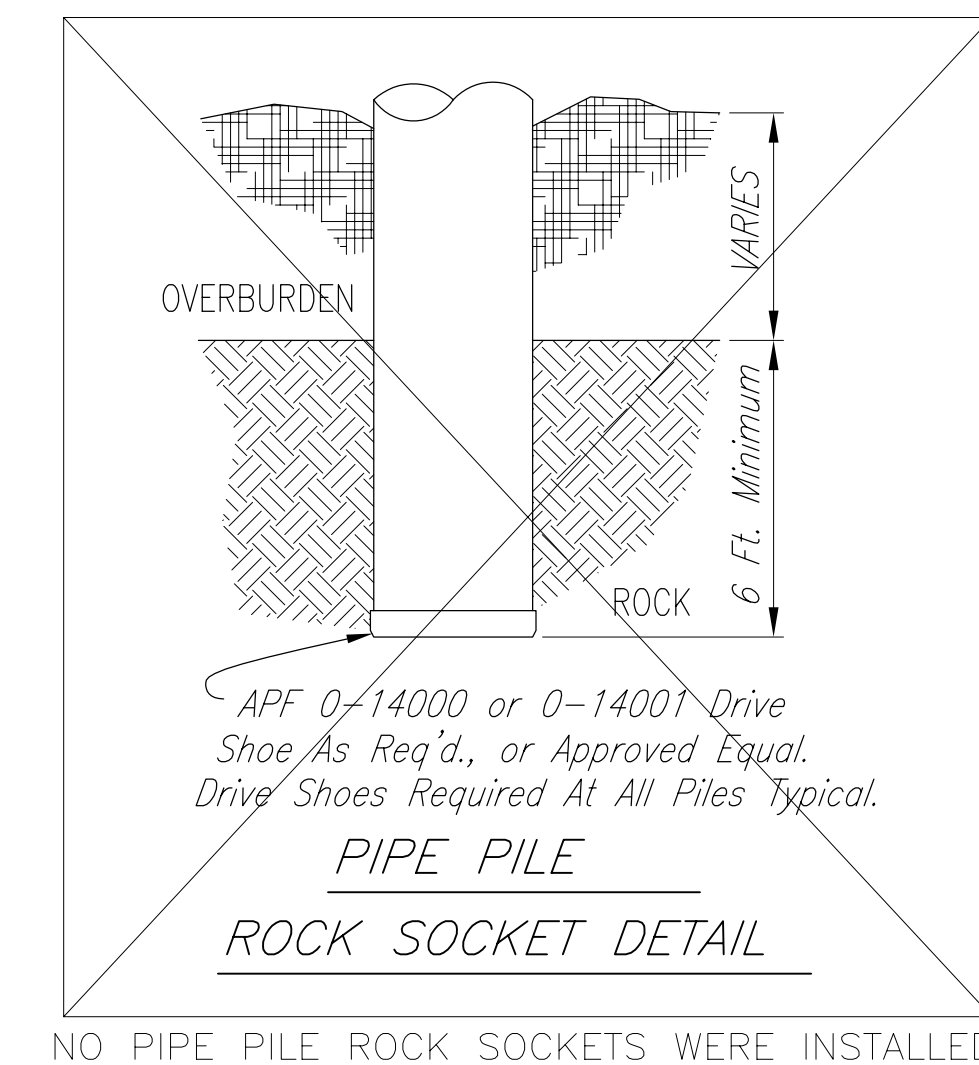
- Once the Contractor begins improvements the following will remain in force until the project is completed.
  - The Contractor shall conduct his operations so as not to interfere with normal scheduled boat or barge access or vehicular traffic to and from the existing City Dock.
  - Scheduled vessel traffic shall have priority over construction activities and it shall be the Contractor's responsibility to coordinate his activities with the City of Kake for vessel arrivals and departures.
- The Contractor shall not stockpile any materials in the existing parking area without approval of the Engineer.

# PILING DATA

PILE LOCATION (Layout Sht. 3) STRUCTURE ORIENTATION & (pile tip)	# / P S	DIA. Inches	CAPACITY (TONS)		ELEVATIONS		TIP ELEVATIONS		TOTAL ESTIMATED LENGTH
			BEARING	UPLIFT	APPROX MUDLINE	CUT-OFF	MIN.	EST.	
1 - 75' Log Float - Vertical (o)	1	12 3/4"	30	---	-6	+32.5	-46	-46	79
2 - 75' Log Float - Vertical (o)	1	12 3/4"	30	---	-6	+32.5	-46	-46	79
3 - 75' Log Float - Vertical (o)	1	12 3/4"	30	---	-7	+32.5	-47	-47	80
4 - 75' Log Float - Vertical (o)	1	12 3/4"	30	---	-7	+32.5	-47	-47	80
5 - 75' Log Float - Vertical (o)	1	12 3/4"	30	---	-7	+32.5	-47	-47	80
6 - 25' Log Float - Vertical (o)	1	12 3/4"	30	---	-9	+32.5	-49	-49	82
7 - Seaplane Float - Vertical (o)	1	12 3/4"	30	---	-9	+32.5	-49	-49	82
8 - Seaplane Float - Vertical (o)	1	12 3/4"	30	---	-9	+32.5	-49	-49	82
9 - Seaplane Float - Vertical (o)	1	12 3/4"	30	---	-9	+32.5	-49	-49	82

AS-BUILT PILING DATA, ONLY CHANGES OR ACTUAL DATA ARE NOTED

	ACTUAL	CHANGE	ACTUAL	ACTUAL
PILING 1	-6.3		-23.3	55.8
PILING 2	-5.1		-45.1	77.6
PILING 3	-6.8	34.5	-41.8	76.3
PILING 4	-6.7		-40.7	73.2
PILING 5	-7.7		-42.7	75.2
PILING 6	-7.9		-40.9	73.4
PILING 7	-8.8		-46.8	79.3
PILING 8	-9.0		-47.0	79.5
PILING 9	-9.2		-50.2	82.7



NO PIPE PILE ROCK SOCKETS WERE INSTALLED

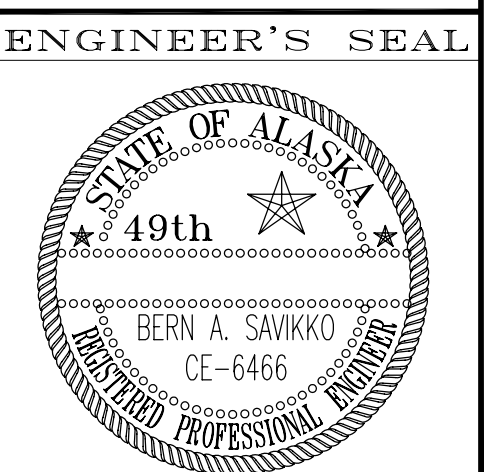
NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: \\Cobra\Projects\Kae\67744\Asbuilts\Sheet2.dwg		
BY:	DATE:	DESCRIPTION OF CHANGE:
<b>RECORD OF REVISIONS</b>		

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
STATEWIDE DESIGN AND ENGINEERING SERVICES

*KAKE*      **KAKE SEAPLANE FLOAT REPLACEMENT**      *ALASKA*  
KAKE, ALASKA  
Proj. No. 67744  
**ESTIMATE OF QUANTITIES & GENERAL NOTES**

DESIGNED BY: <i>BAS</i>	PROJECT NO. 67744
DRAWN BY: <i>CF</i>	DATE: October 1999
CHECKED BY: <i>RWM</i>	SHEET 2 OF 18



TIDAL DATUM

EHW = +20.0  
 MHHW = +14.0  
 MHW = +13.1  
 MLLW = 0.0  
 ELW = -4.0

HORIZONTAL CONTROL

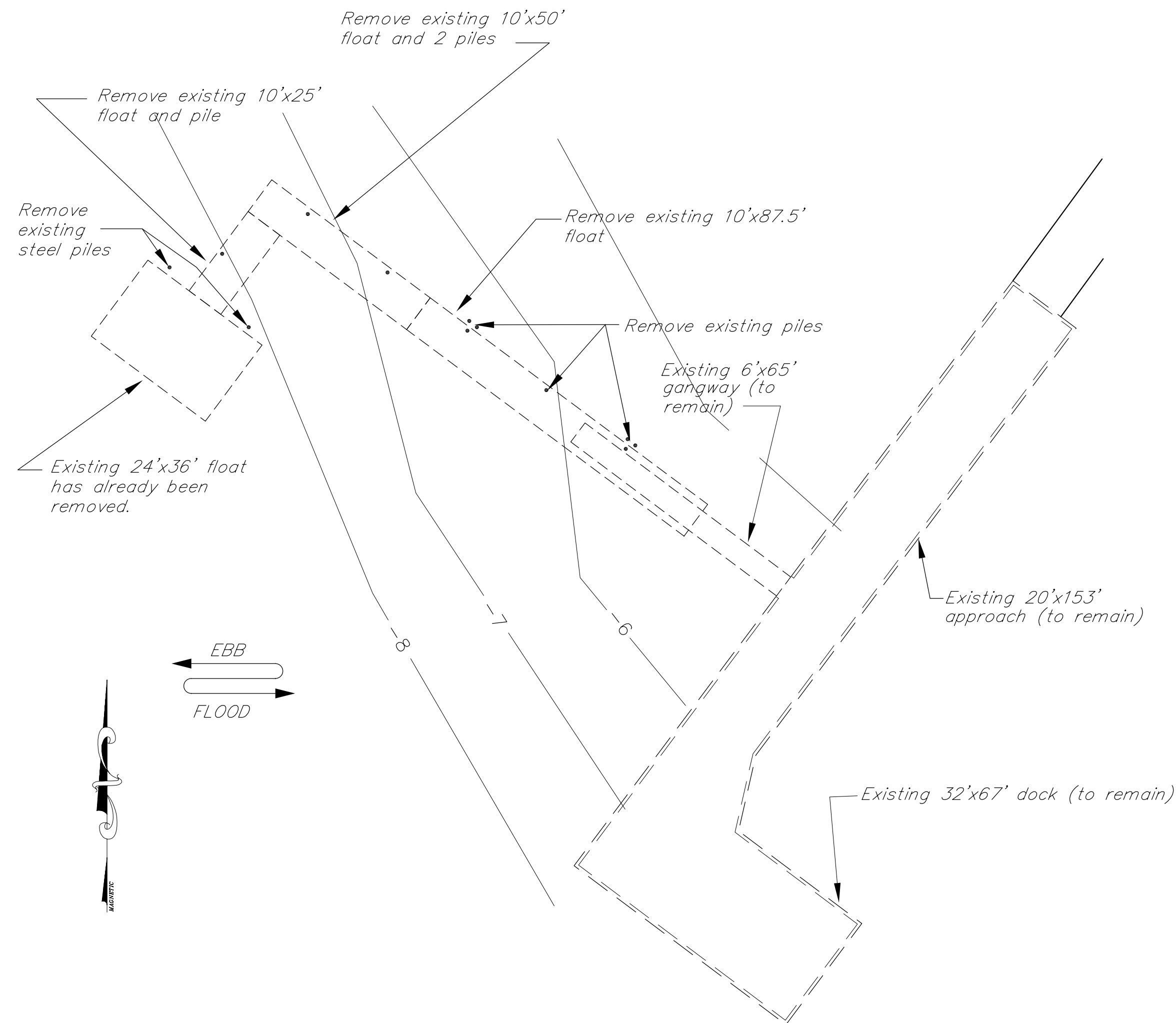
Centerline of Existing Gangway = Centerline of 75'x12' Log Float.

VERTICAL CONTROL

Deck elevation of existing City Dock = +24.0

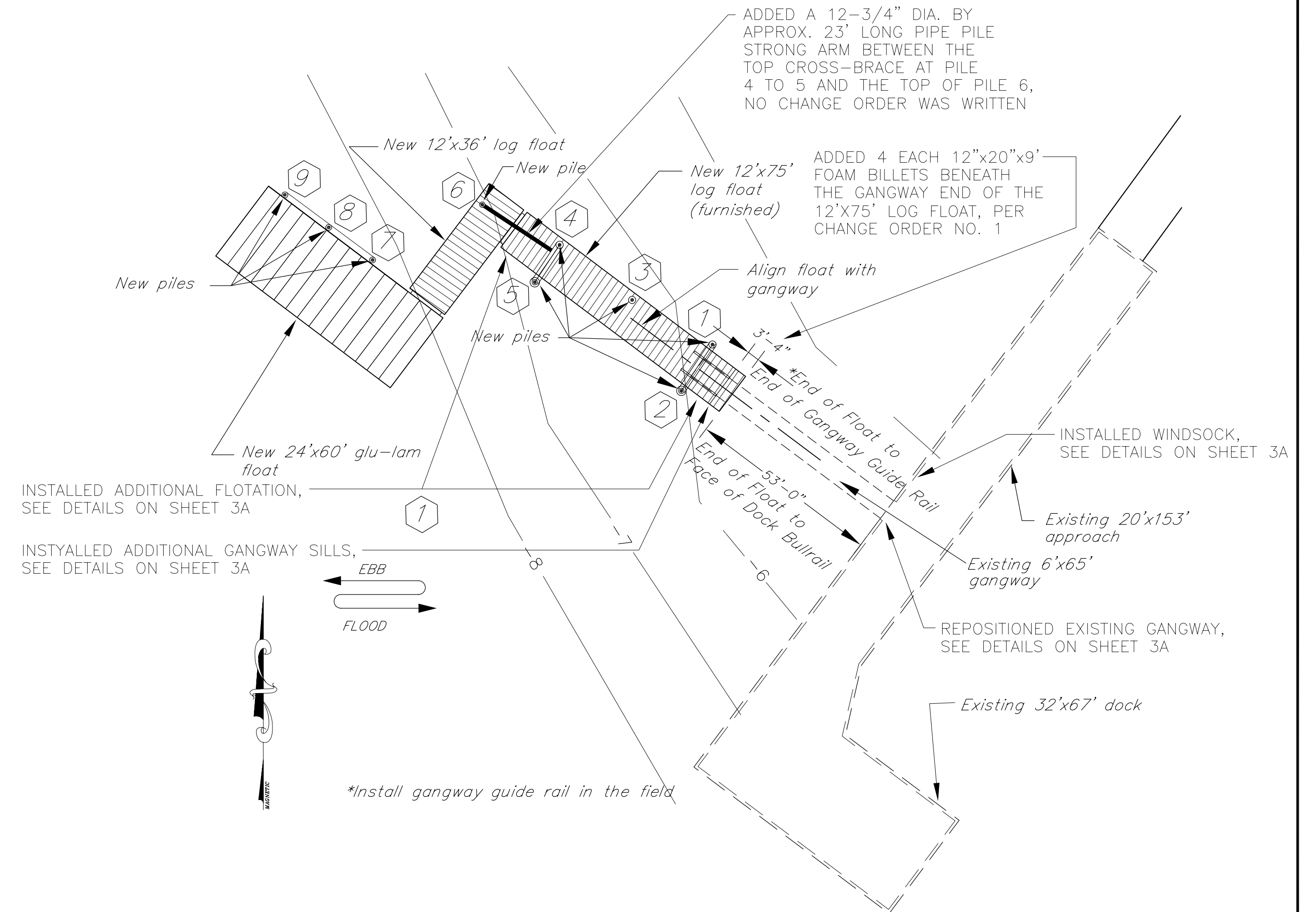
Bottom contours shown on the plans are approximated from a lead-line survey dated 4-27-99, based on published tide table elevations.

KEKU STRAIT



EXISTING GENERAL LAYOUT

KEKU STRAIT



NEW GENERAL LAYOUT

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

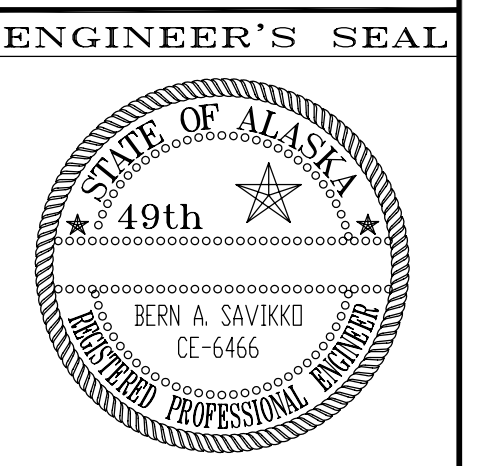
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BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

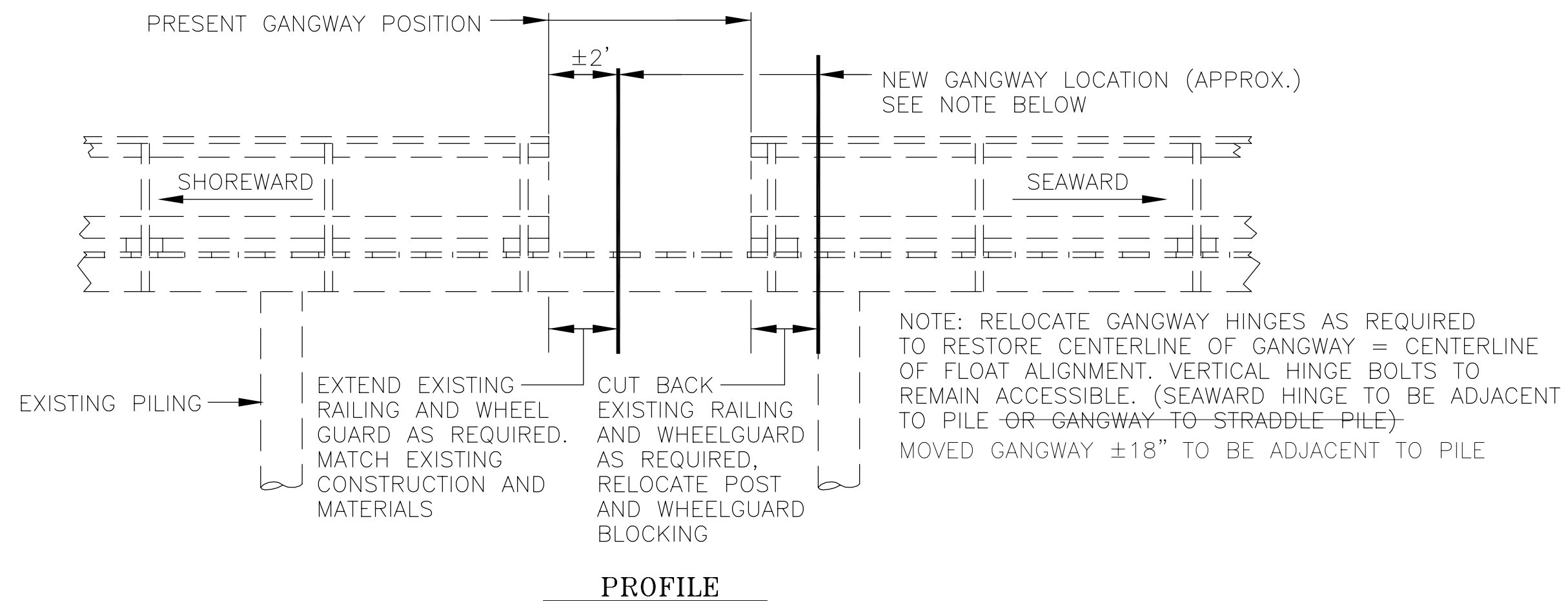
STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 STATEWIDE DESIGN AND ENGINEERING SERVICES

KAKE ALASKA  
 KAKE SEAPLANE FLOAT REPLACEMENT  
 KAKE, ALASKA  
 Proj. No. 67744  
**EXISTING AND NEW GENERAL LAYOUT**

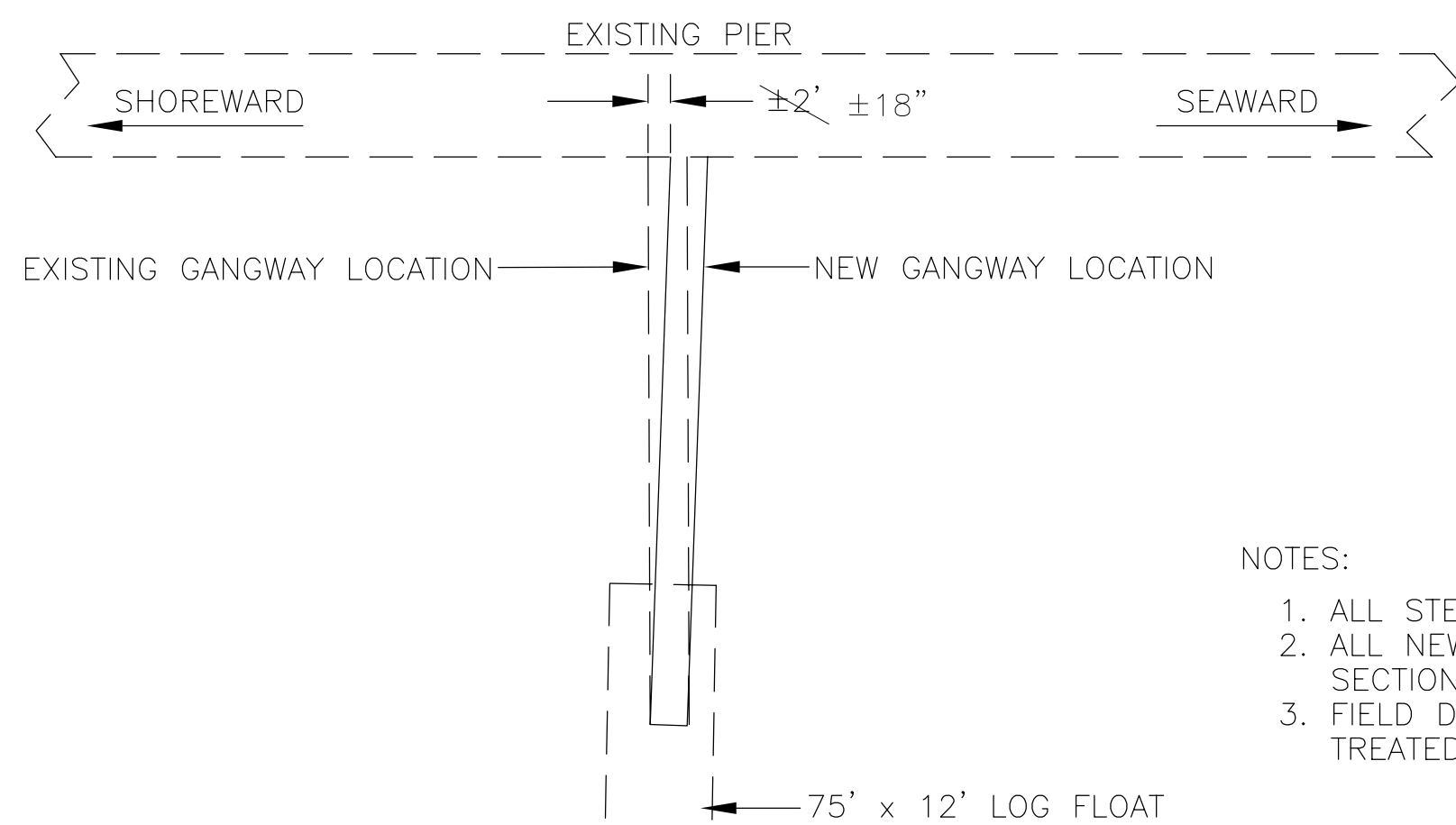
DESIGNED BY:	BAS
DRAWN BY:	CF
CHECKED BY:	RWM

PROJECT NO.	67744
DATE:	October 1999
SHEET 3 OF 18	



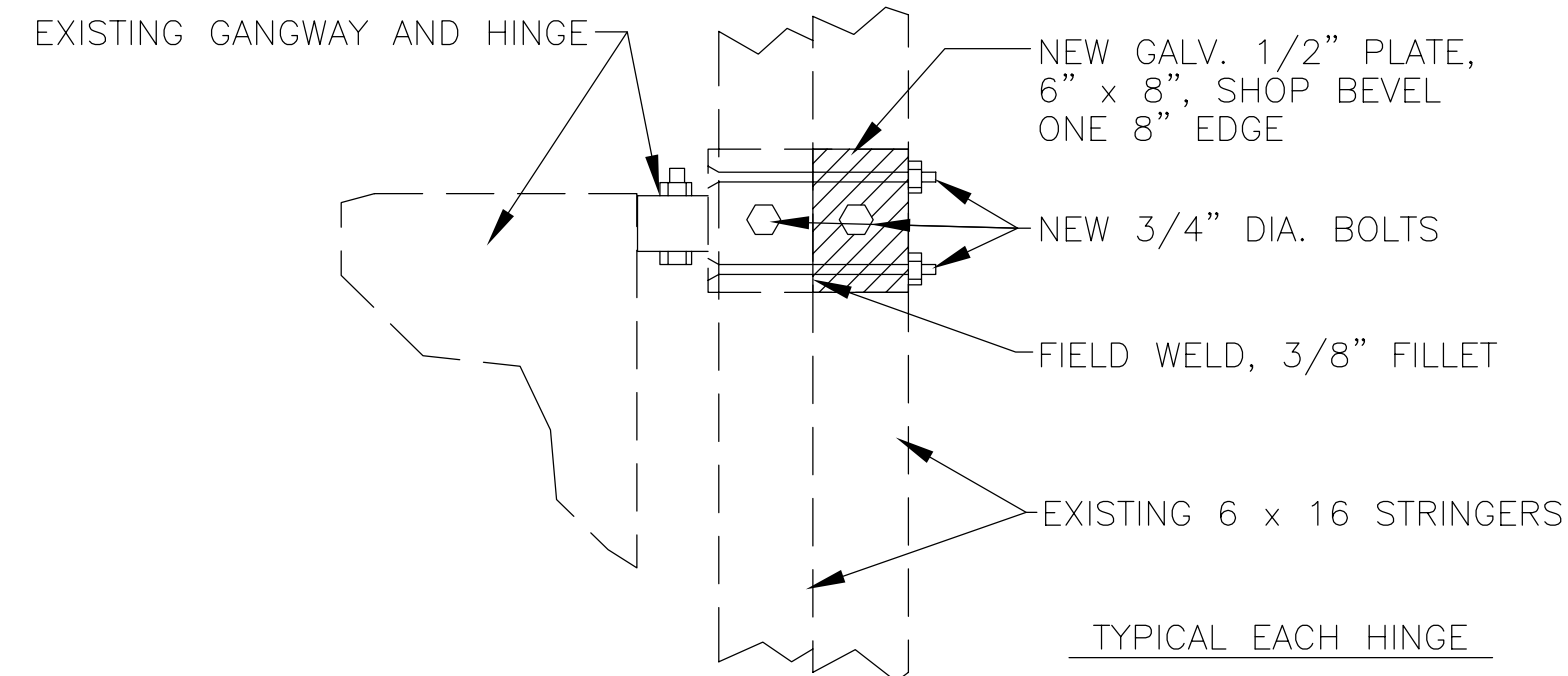


PROFILE

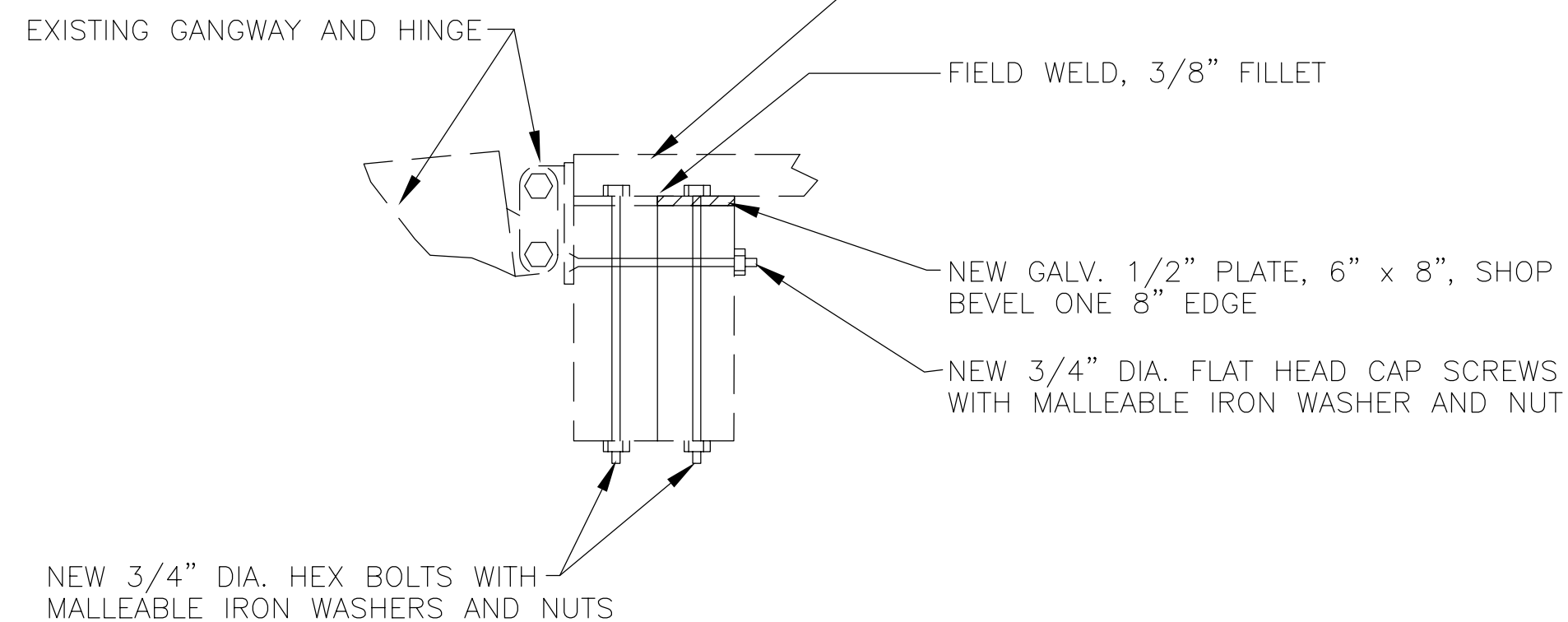


PLAN

- NOTES:
1. ALL STEEL MATERIALS TO BE GALVANIZED.
  2. ALL NEW WOOD TO BE TREATED PER SECTION 306.
  3. FIELD DRILLED HOLES AND CUTS TO BE TREATED PER SECTION 306.

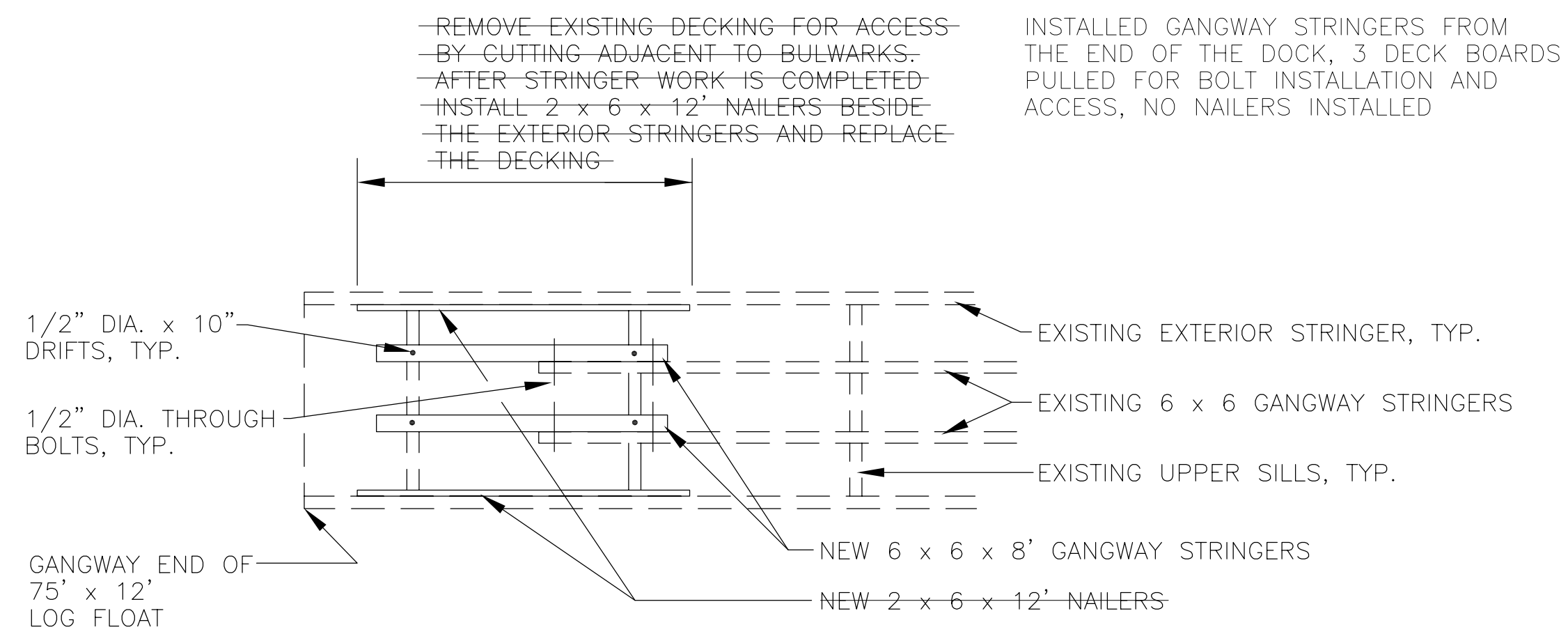


PLAN



ELEVATION

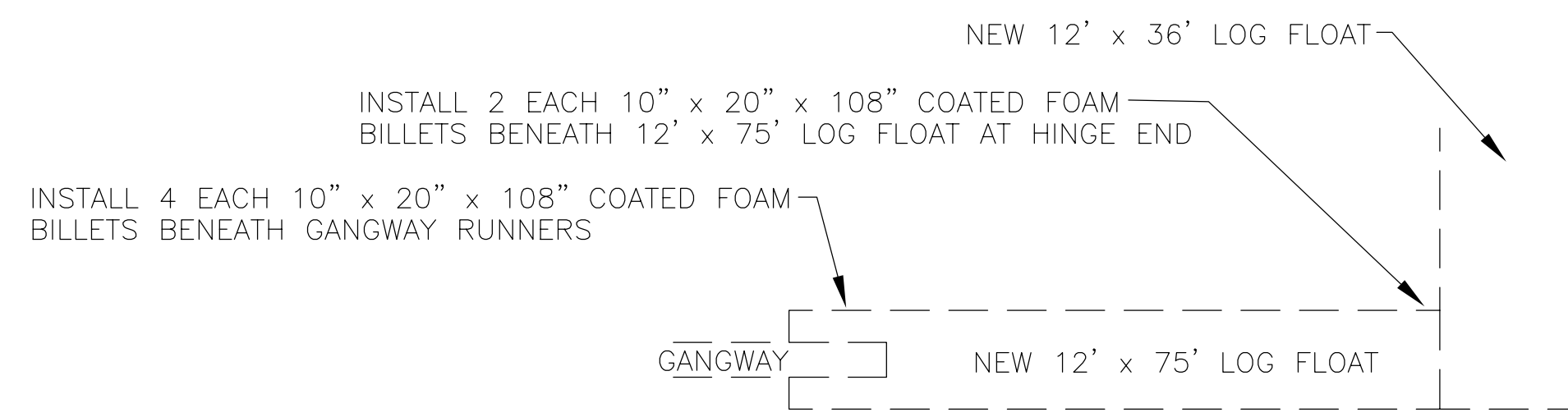
GANGWAY RELOCATION DETAILS



PLAN

- NOTES:
1. ALL TIMBER TO BE PER SECTION 306.
  2. ALL FASTENERS TO BE PER SECTION 302.

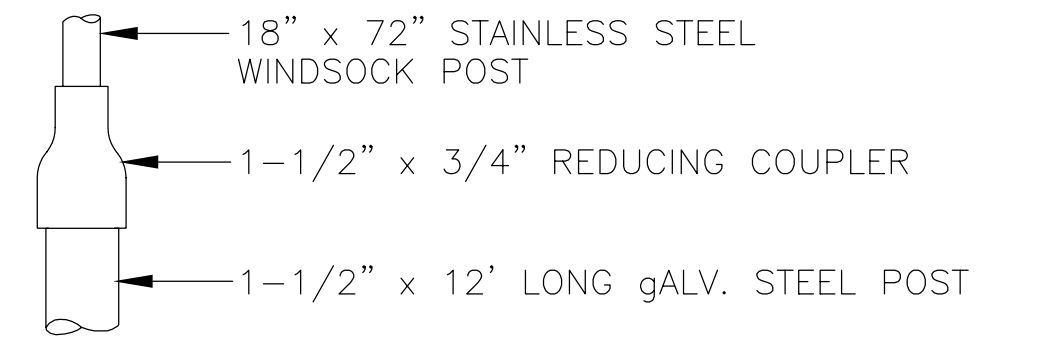
ADDITIONAL GANGWAY SILL DETAILS



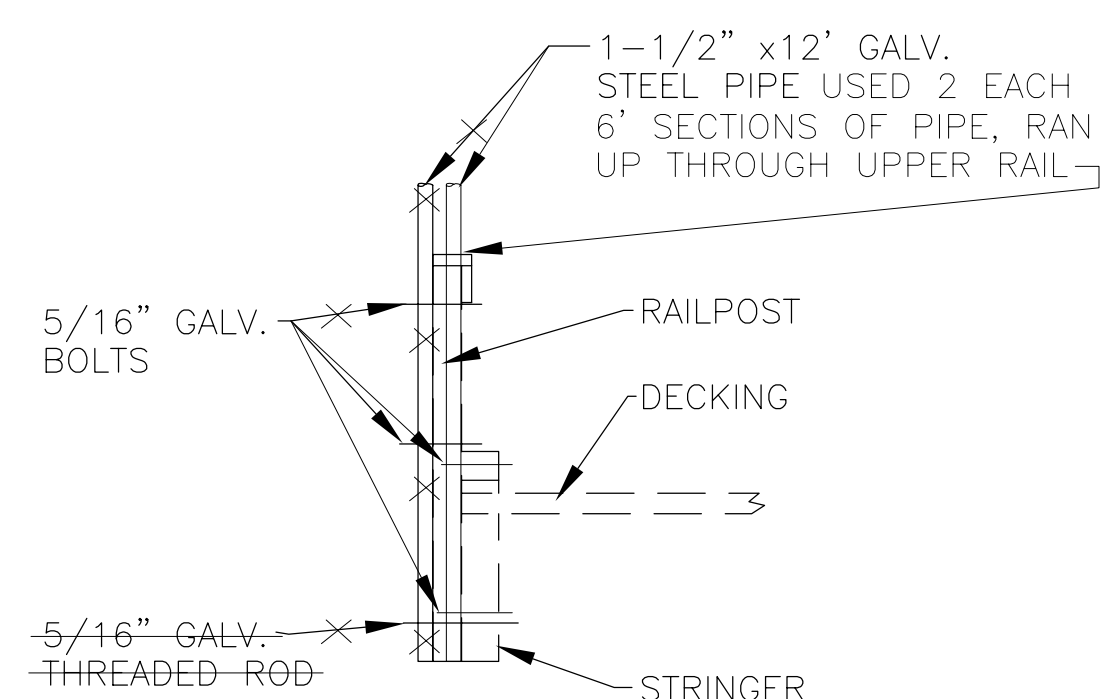
PLAN

- NOTE:
1. FOAM BILLETS AND COATING TO BE PER SECTION 3011

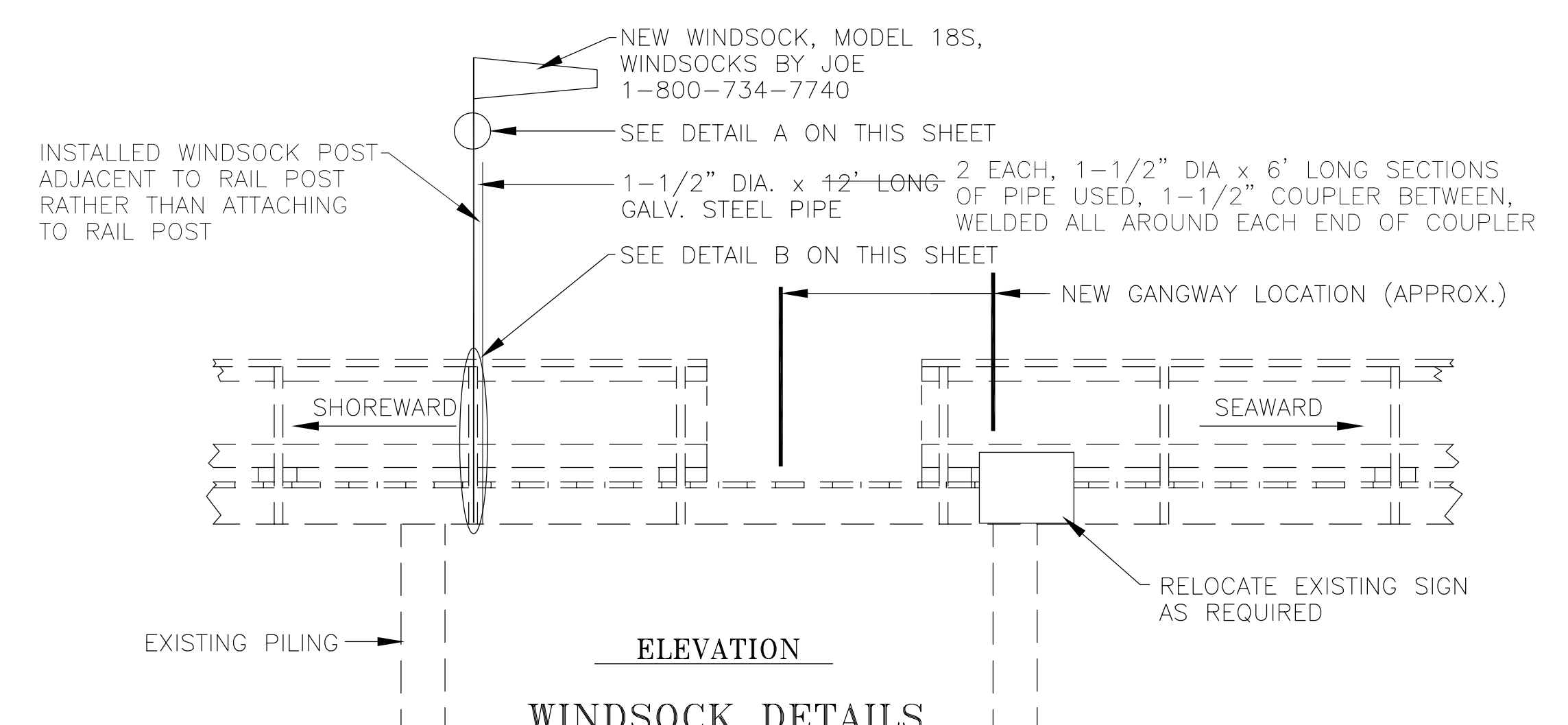
ADDITIONAL GANGWAY SILL DETAILS



DETAIL A



DETAIL B



ELEVATION WINDSOCK DETAILS

AS-BUILT NOTE:  
ALTHOUGH ALL WORK ON THIS SHEET IS NEW WORK, NOT IN THE ORIGINAL CONTRACT, THE ITEMS SHOWN IN RED ARE THE AREAS WHERE WORK PERFORMED DEVIATED FROM THE CHANGE ORDER.

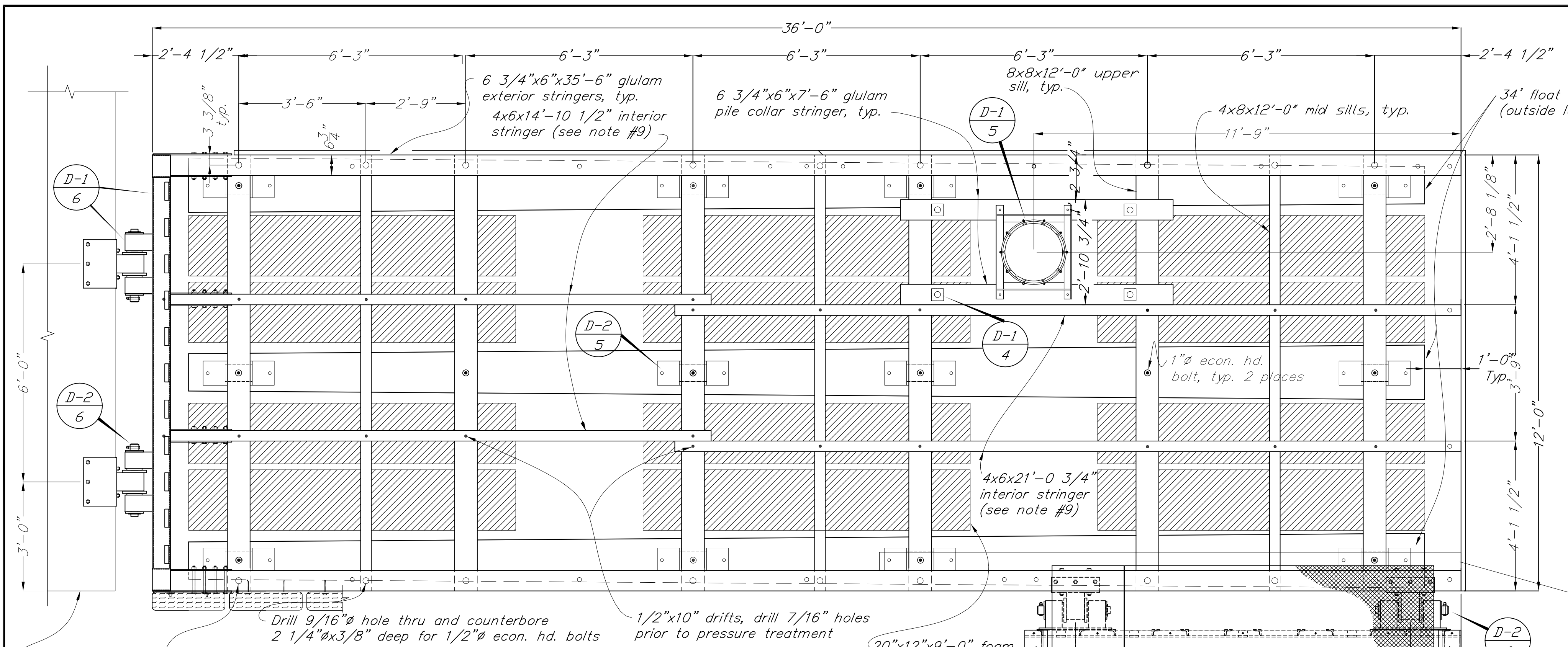
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BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
STATEWIDE DESIGN AND ENGINEERING SERVICES

KAKE  
KAKE SEAPLANE FLOAT REPLACEMENT  
ALASKA  
KAKE, ALASKA  
Proj. No. 67744  
CHANGE ORDER NO. 2 DETAILS

DESIGNED BY:	JEM	PROJECT NO.	67744
DRAWN BY:	JEM	DATE:	September, 2000
CHECKED BY:	JEM	SHEET	3A OF 18

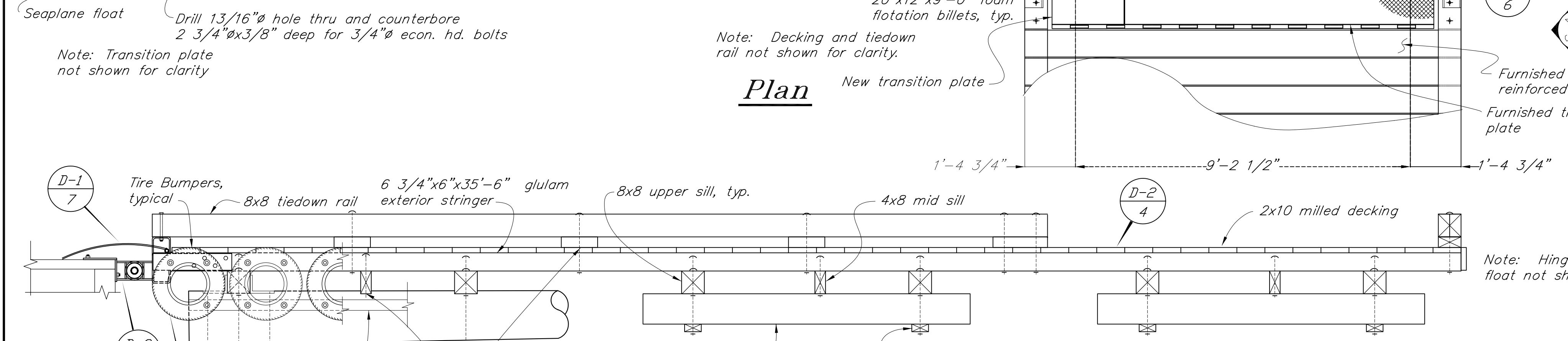
As-Built  
Plans  
New Sheet



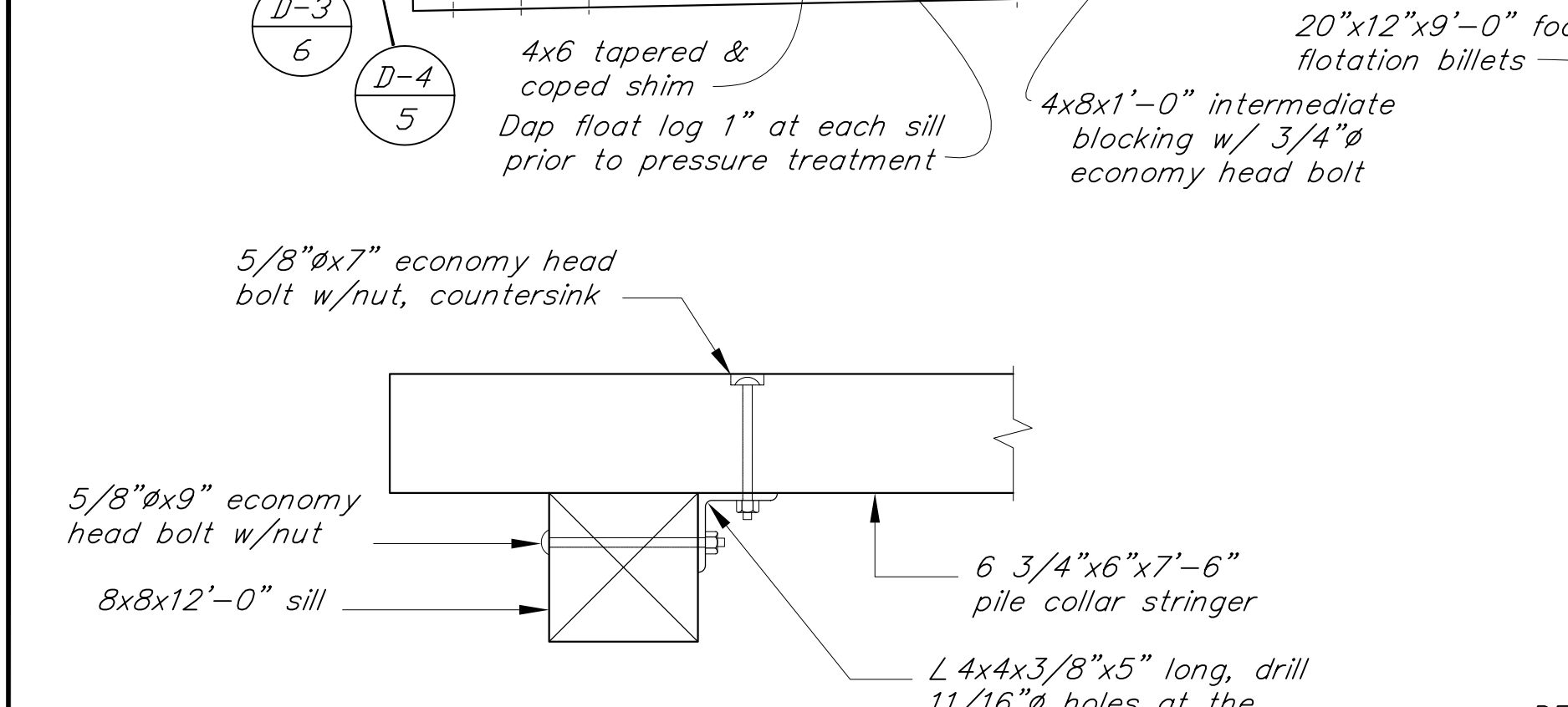
**GENERAL NOTES:**

1. Bolt all logs at 8x8 sills as shown, with 1" econ. head bolts.
2. All holes to be drilled and daps to be cut prior to pressure treatment (except where specified).
3. Float logs (3 req'd) shall have a min. tip circumference of 31 1/2" (10"Ø) and a max. butt circumference of 56 1/2" (18"Ø). All logs to have similar tip and butt dimensions.
4. Contractor to furnish and install where directed by the engineer, 5-20"x5"x4'-6" flotation billets to balance the float.
5. Glu-lam stringers shall be combination 24F-V4.
6. Counterbore for all bolt heads facing decking to be flush.
7. All single bolt tiedown rail blocking to be secured to underside of rail with 4 - 60d nails in predrilled holes.
8. All timber shall be S4S except decking and glu-lams.
9. The interior stringers shall be 4x member cut to match the thickness of the glulam exterior stringer. The contractor may elect to use 3 1/8"x6" glulam interior stringers.

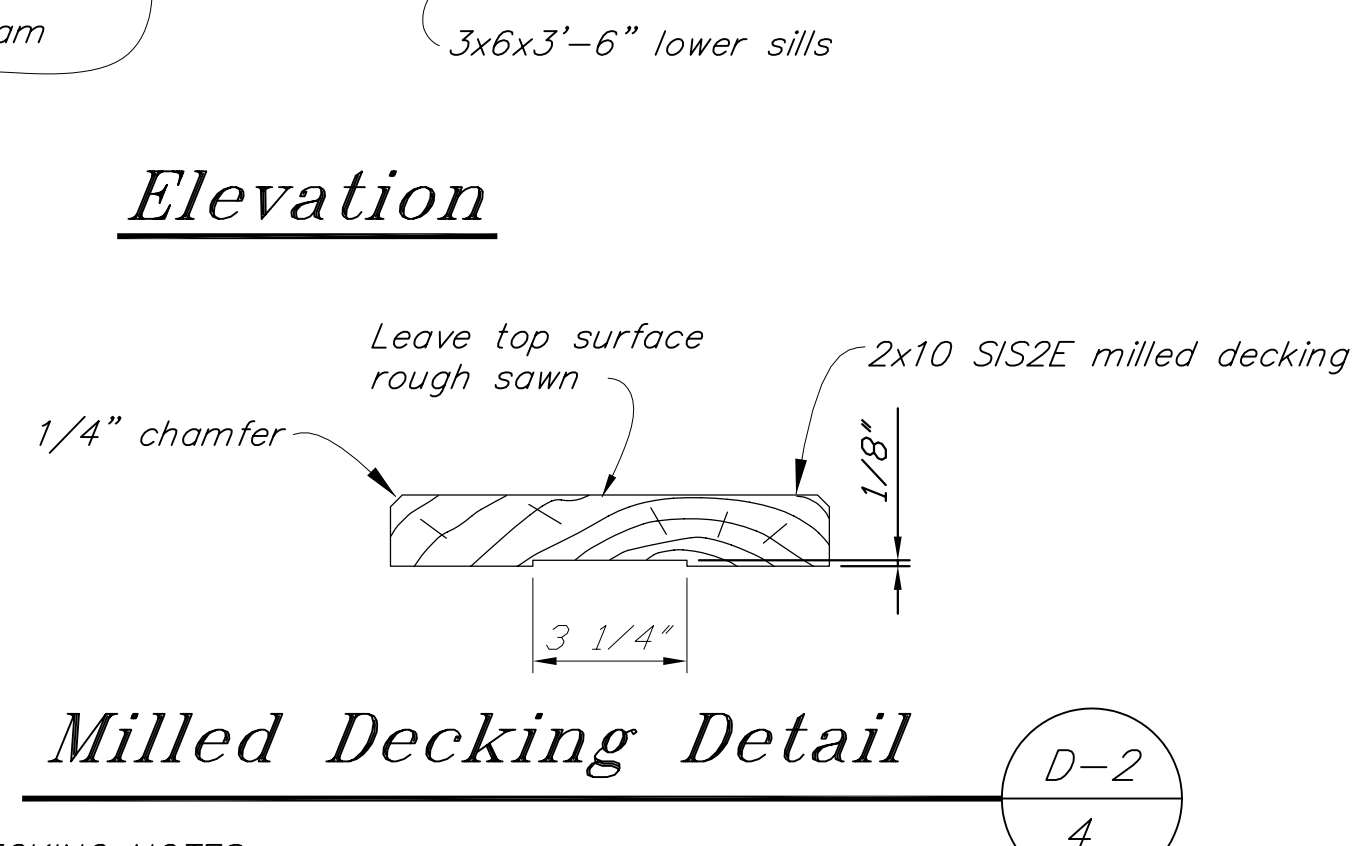
**Plan**



**Elevation**



**Pile Collar Stringer Connection Detail**

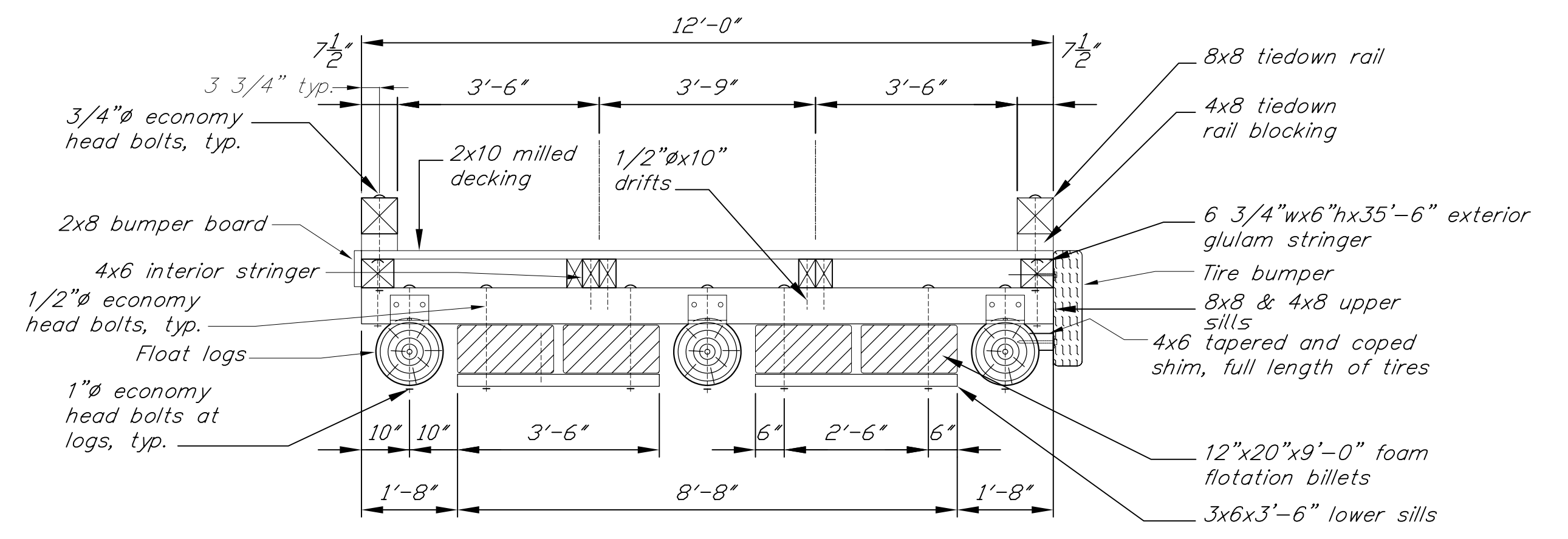


**Milled Decking Detail**

**DECKING NOTES:**

2X10 decking mill SIS2E rough side up. Milled side shall be towards the center of the tree.

Space 1/4" and secure with 2~20d galvanized box nails at each stringer, predrill to prevent splitting, if required.



**Typical Section**

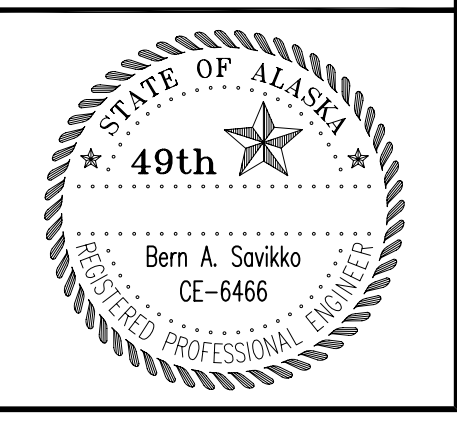
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BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION

KAKE SEAPLANE FLOAT REPLACEMENT  
KAKE, ALASKA  
PROJECT NO. 67744  
**12' X 36' LOG REINFORCED FLOAT**

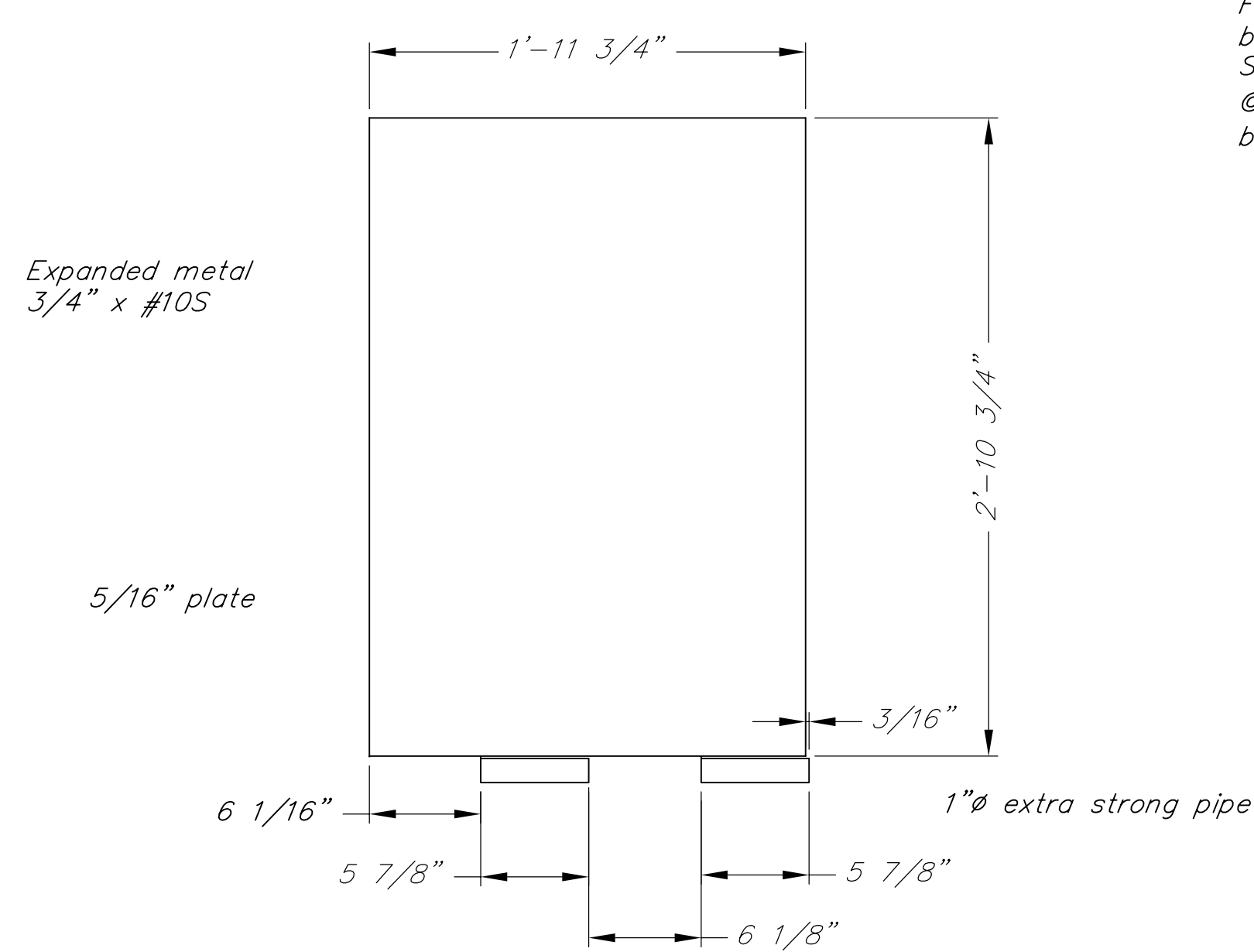
NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

DESIGNED BY:	BAS	PROJECT NO.	67744
DRAWN BY:	CMF	DATE:	October 1999
CHECKED BY:	RWM	SHEET	4 OF 18

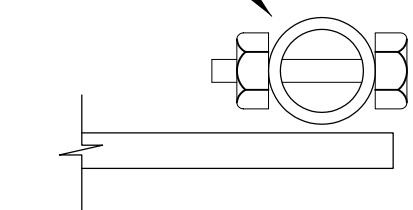




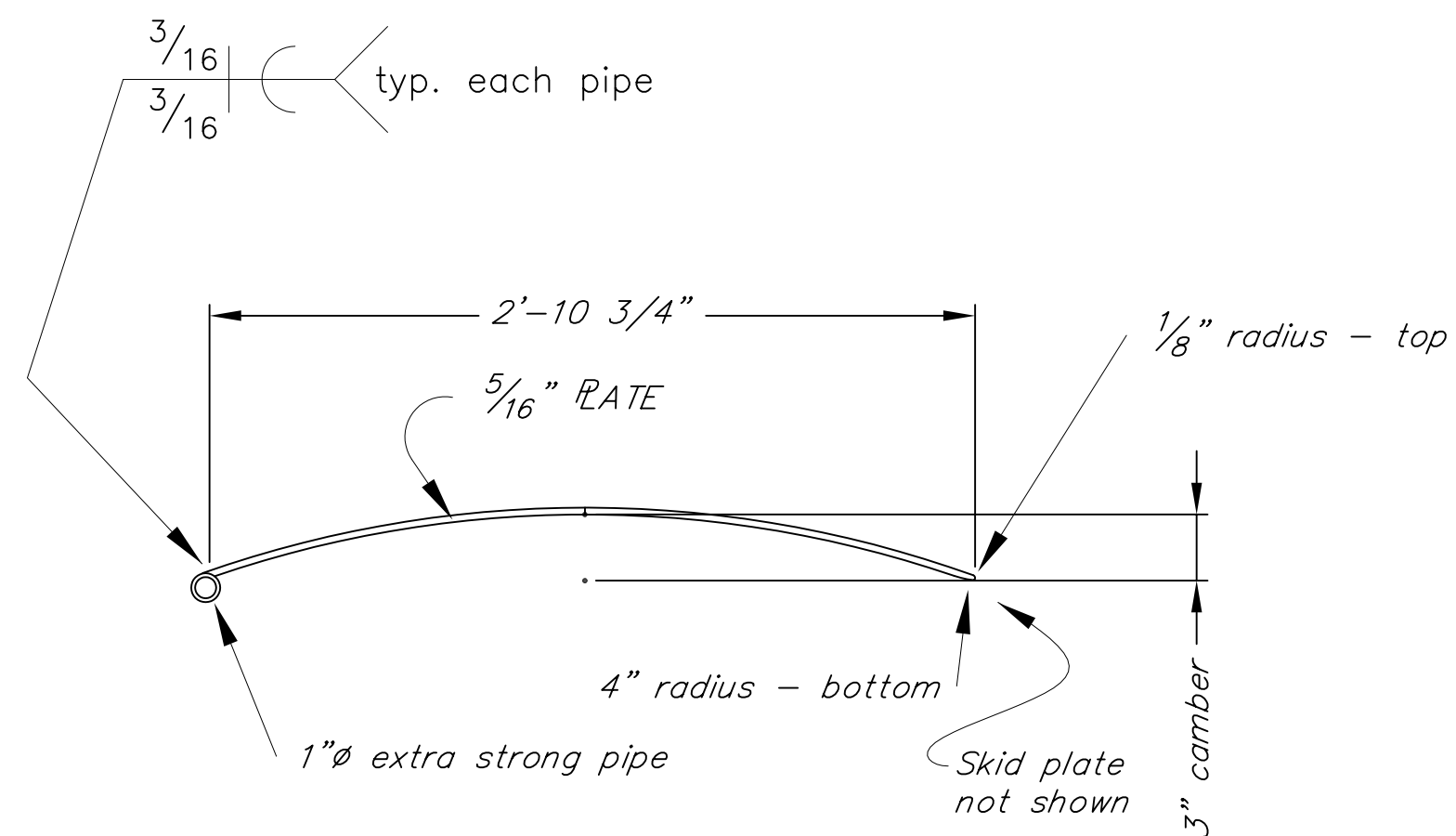




Furnished 1" extra strong pipe & new 7/8" bar 10'-0" long (1/4" chamfer ends). Secure with 3/8" s.s. bolts & nuts @ 3" from ends. Match drill pipe & bar.



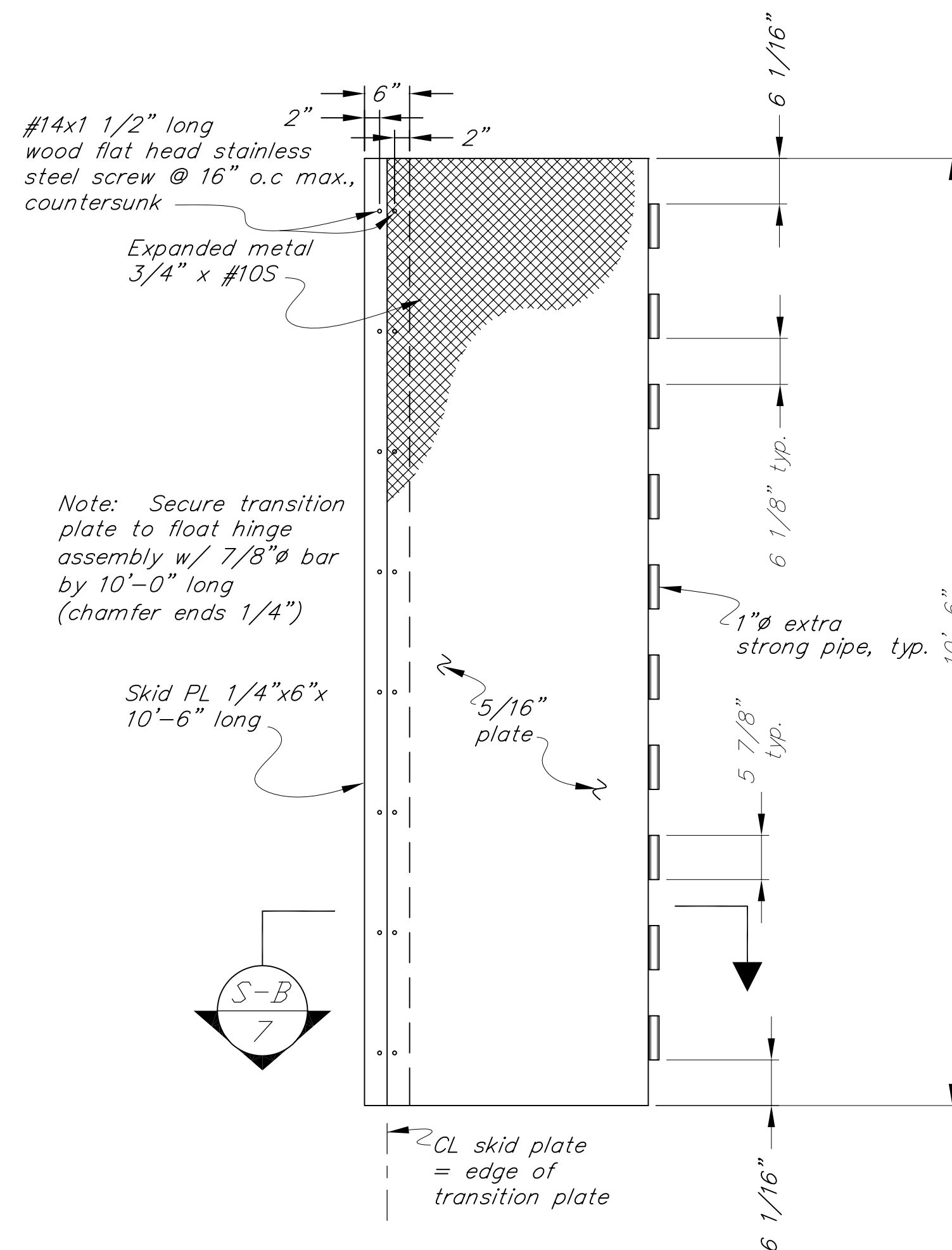
SECTION A  
6,7



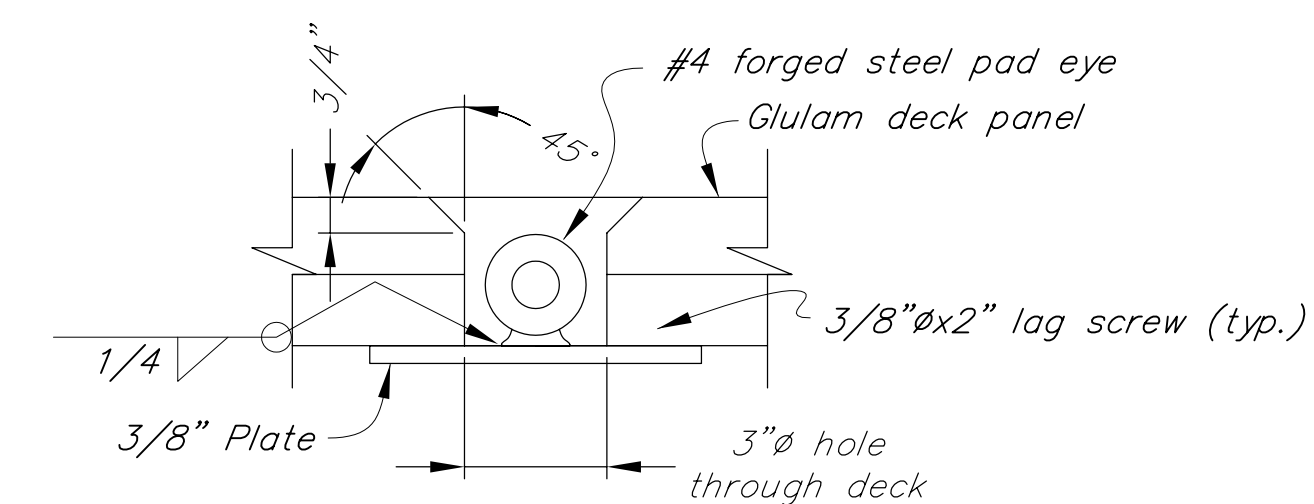
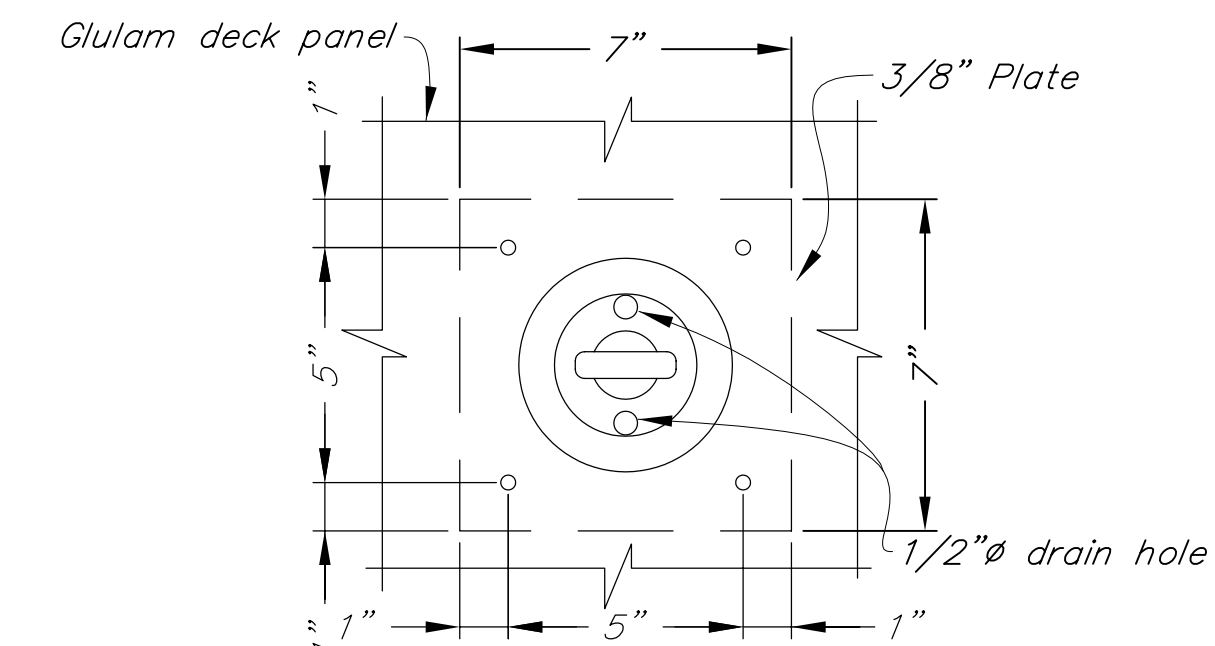
SECTION B  
7

Notes:

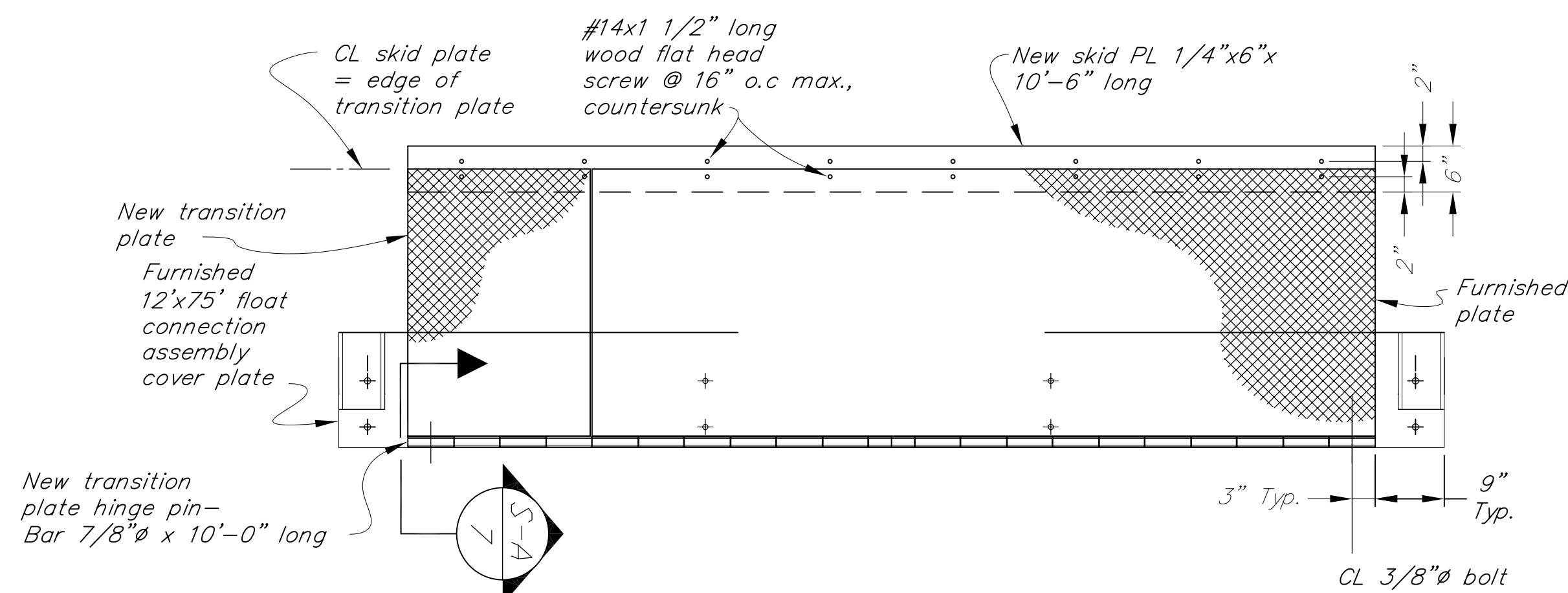
- Expanded metal shall consist of one continuous piece for 5/16" plate. The expanded metal shall be attached to the upper surface by welding at all individual perimeter ends (100% welds at perimeter) and welded at interior strand intersections on a 3" grid. The long dimensions of the diamonds shall be oriented parallel with the long dimension of the plate.
- Cover plates shall be shop assembled after galvanizing, to check fit prior to shipping.



NEW 12'X36' FLOAT TO SEAPLANE FLOAT  
TRANSITION PLATE



NOTE: Install 1/2" x 10 L.F. braided nylon rope at all tie-down eyes.



12'X75' TO 12'X36' TRANSITION PLATE

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  
STATEWIDE DESIGN AND ENGINEERING SERVICES

KAKE

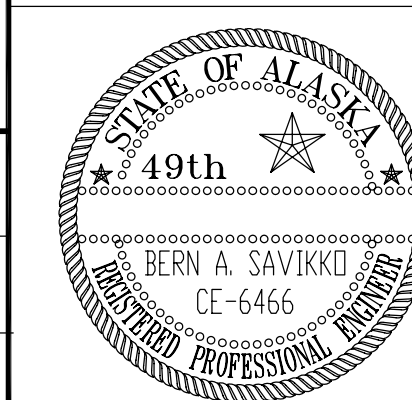
KAKE SEAPLANE FLOAT REPLACEMENT  
KAKE, ALASKA  
Proj. No. 67744  
TRANSITION PLATE DETAILS

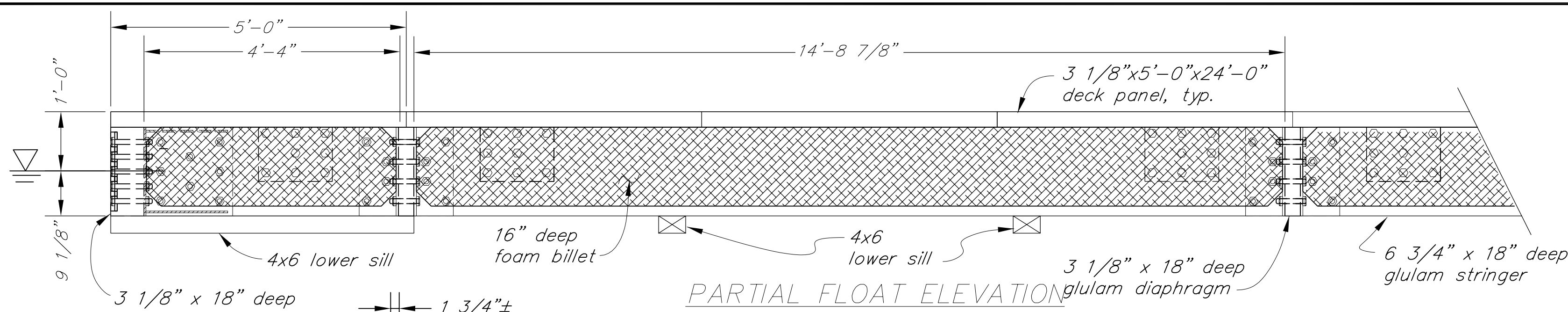
ALASKA

DESIGNED BY: BAS  
DRAWN BY: CF  
CHECKED BY: RWM

PROJECT NO. 67744  
DATE: October 1999  
SHEET 7 OF 18

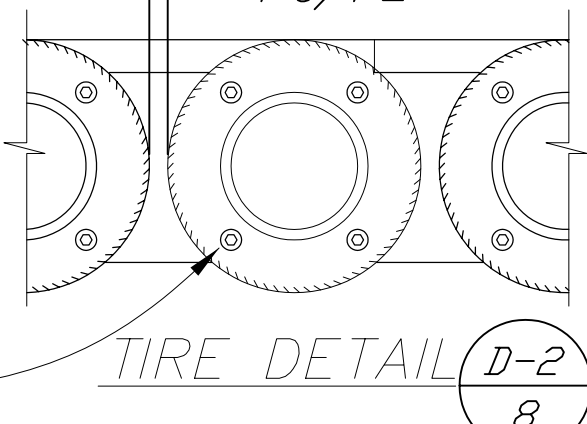
ENGINEER'S SEAL





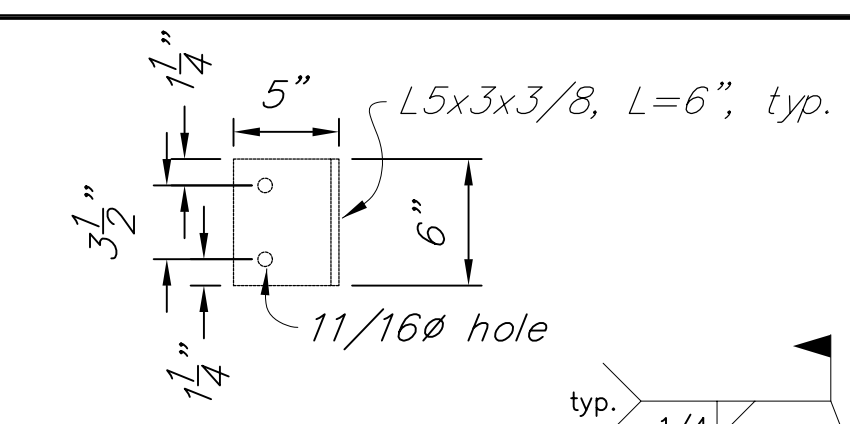
Note: 2" hole through outside face of tire to facilitate lag bolt installation.

1/2" x 4" lag screw with M.I. washer, 4 per tire. Vary spacing to avoid bracket bolts and deck lag screws.



Note: Tires shall be 13" series with a minimum 1/8" deep summer or all season tread. No heavy lugs or studs. All of the tires shall be of the same width and diameter with a maximum allowable variation of 1/2". The exposed area (tread area and one sidewall) shall be painted white with a two part marine epoxy or compatible paint.

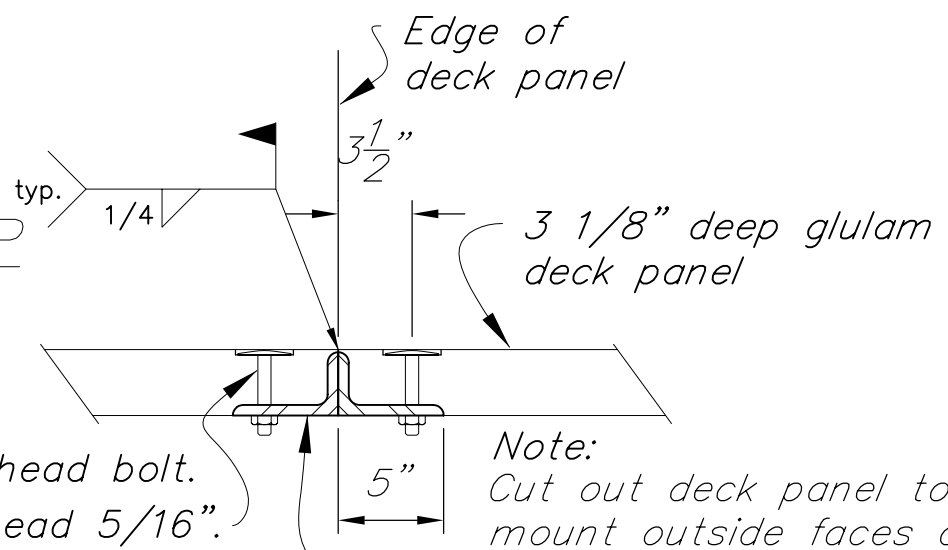
DECK PANEL CLIP PLAN VIEW



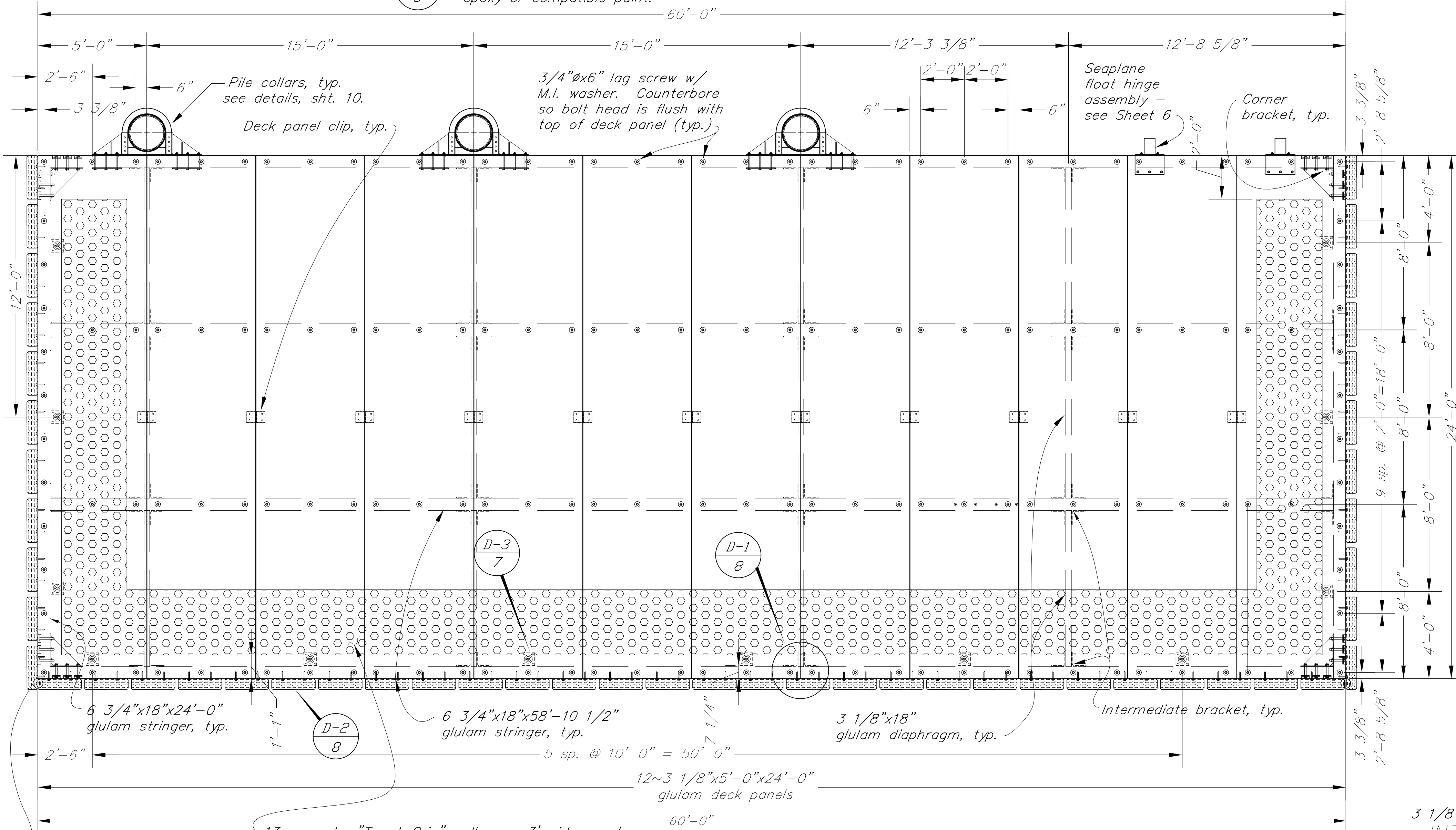
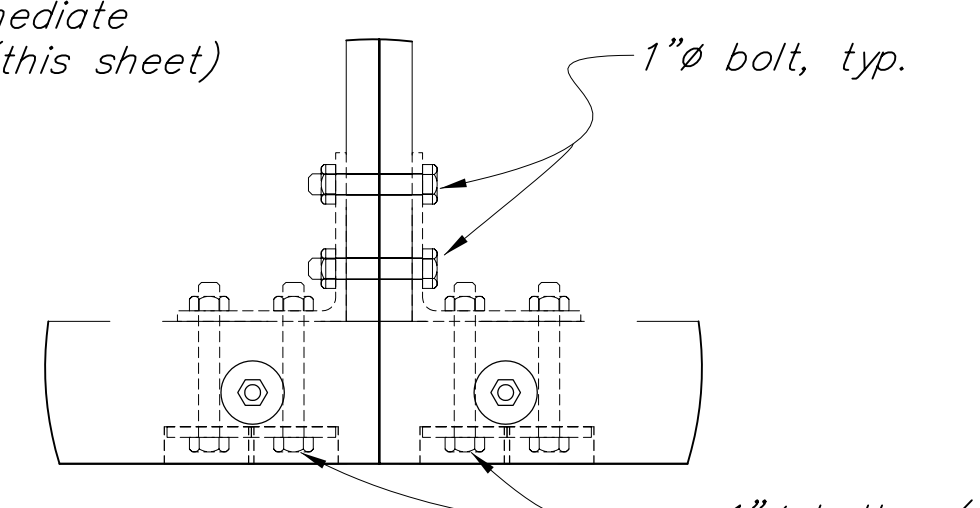
5/8" econ. head bolt. Countersink head 5/16".

L5x3x3/8, L=6", typ.

DECK PANEL CLIP ELEVATION



Note: Cut out deck panel to mount outside faces of angle legs flush with the edge and bottom of the deck panels, typ.



FLOAT PLAN

Contractor Note: Float preconstruction details shown may or may not reflect fabrication details required by other attachments. This drawing should be coordinated with other sheets and details found elsewhere.

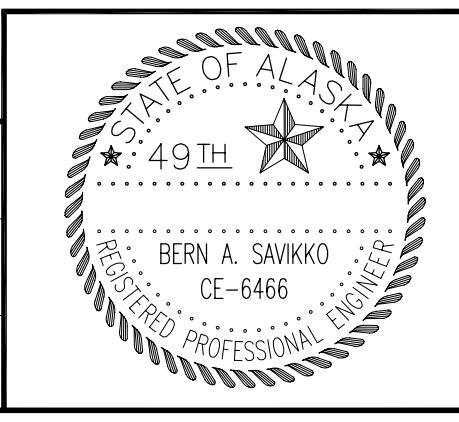
NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

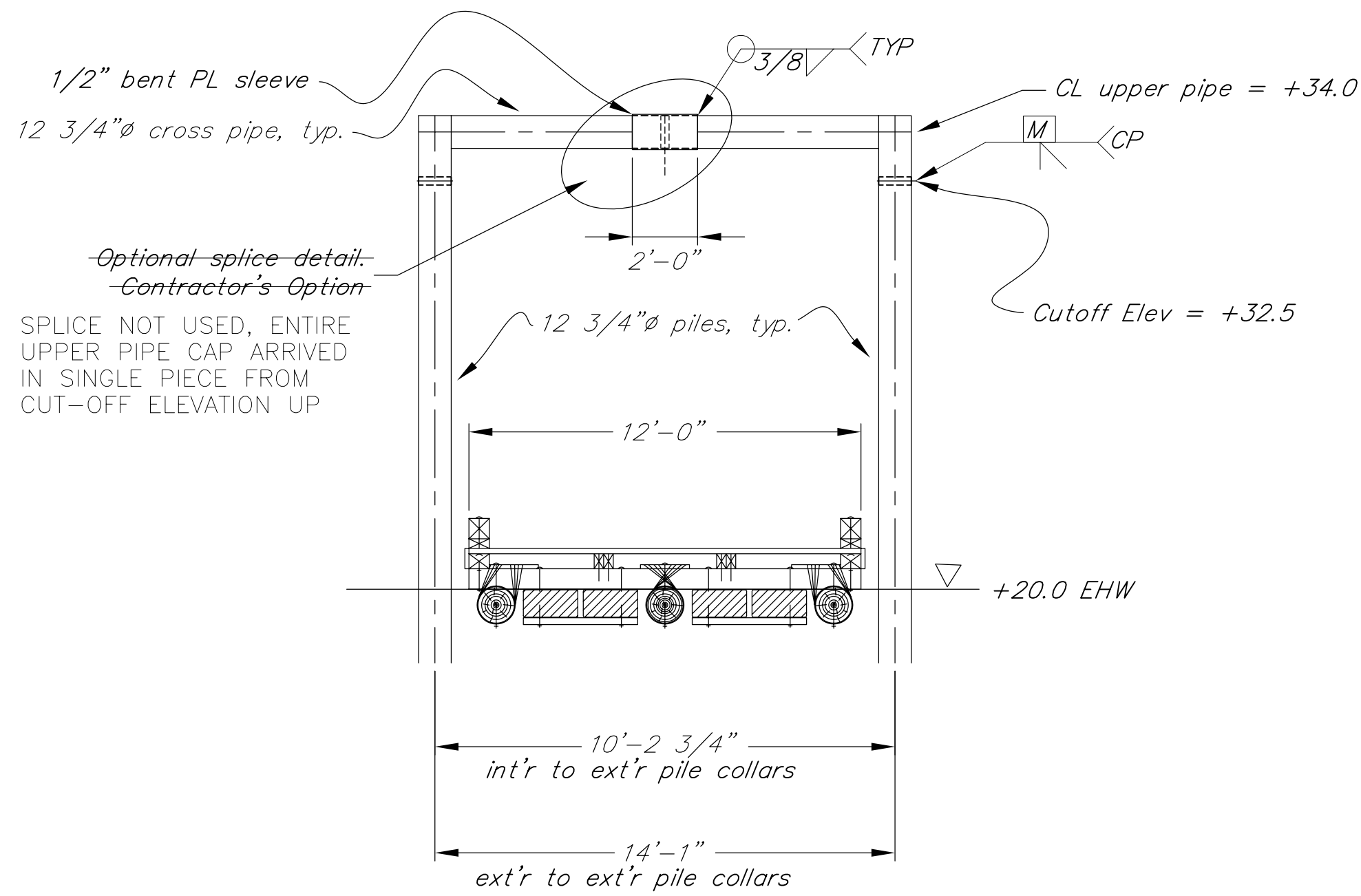
RECORD OF REVISIONS		
NO.	DATE	DESCRIPTION OF CHANGE

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

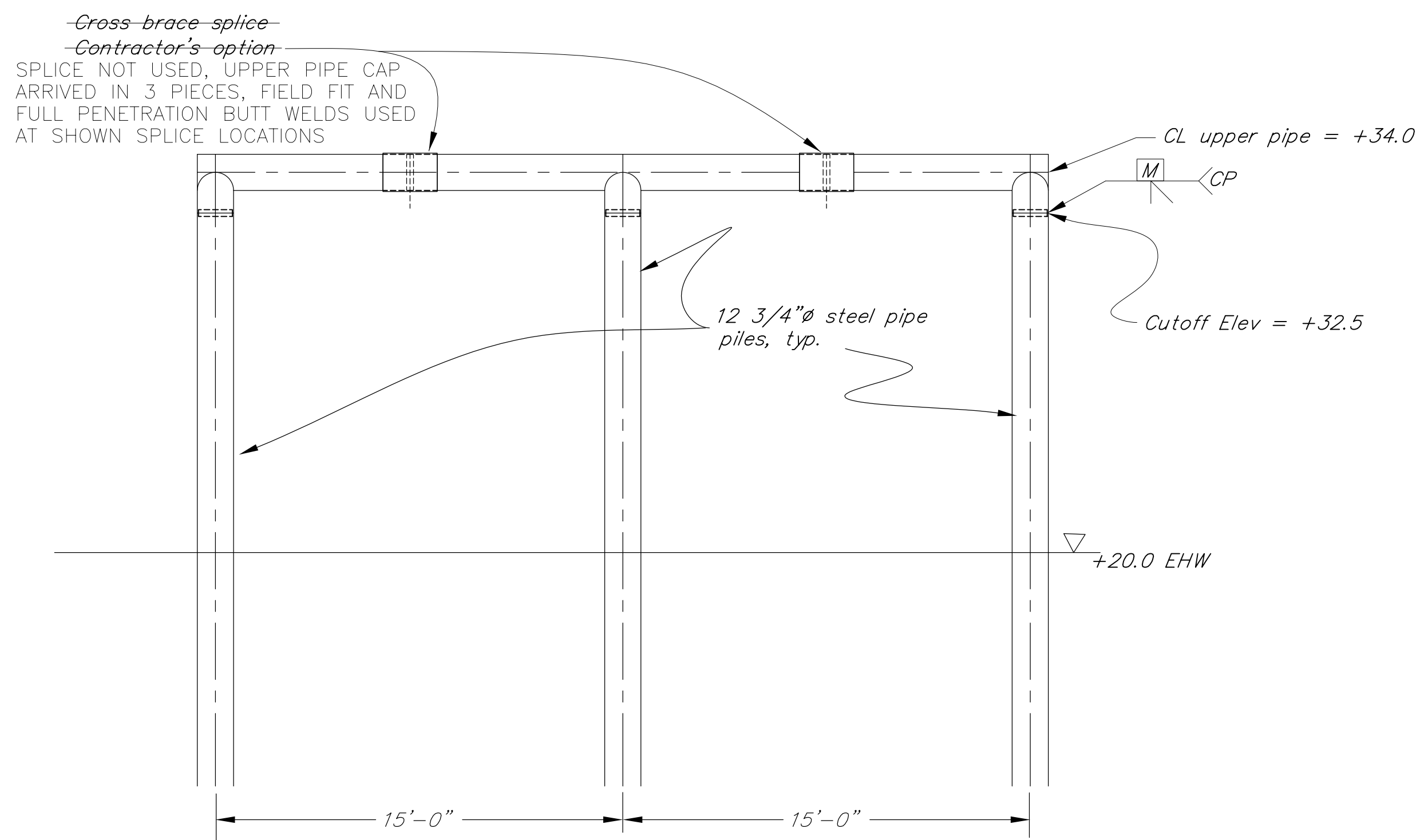
KAKE  
KAKE SEAPLANE FLOAT  
REPLACEMENT  
PROJECT NO. 67744  
SEAPLANE FLOAT

ALASKA	DESIGNED BY: BAS	PROJECT NO. 67744
	DRAWN BY: BAS	DATE: OCTOBER, 1999
	CHECKED BY: RWM	SHEET 8 OF 18

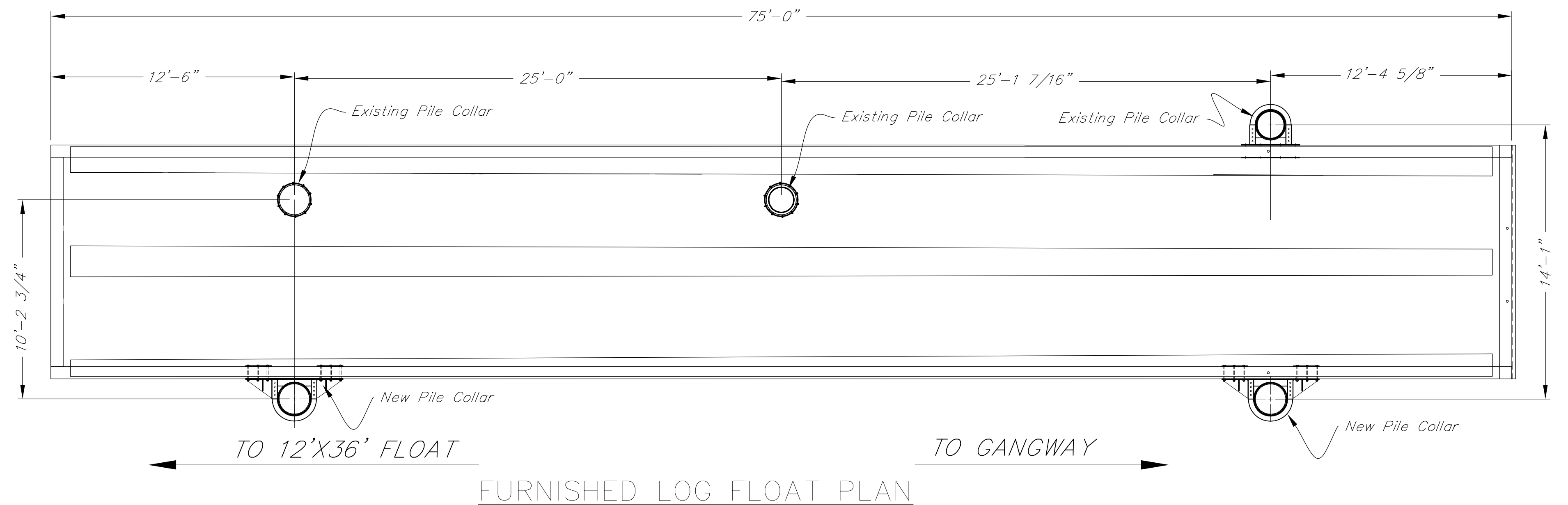




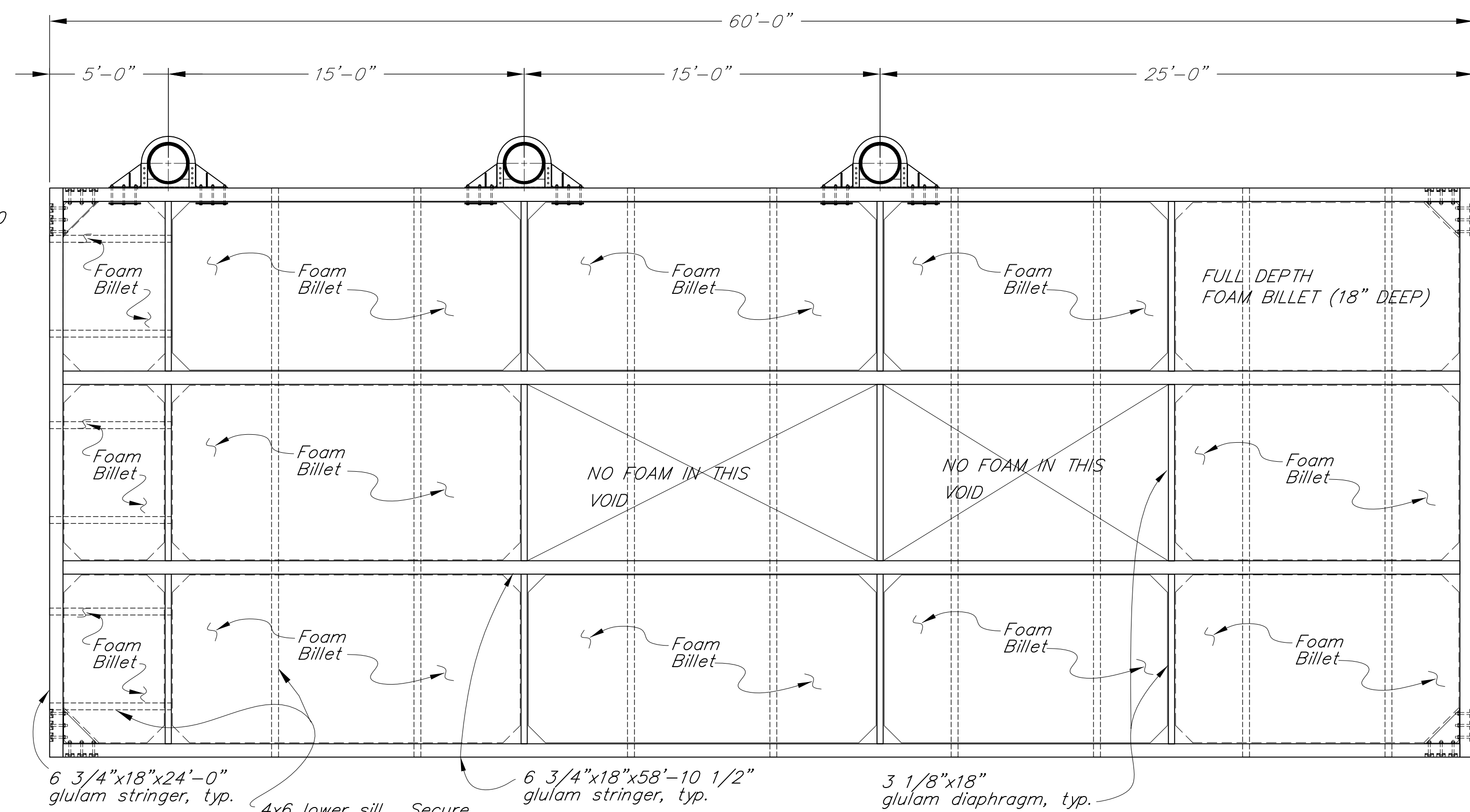
LOG FLOAT PILE CROSS BRACE DETAIL



SEAPLANE FLOAT PILE CROSS BRACE DETAIL



FURNISHED LOG FLOAT PLAN



NEW SEAPLANE FLOAT PLAN

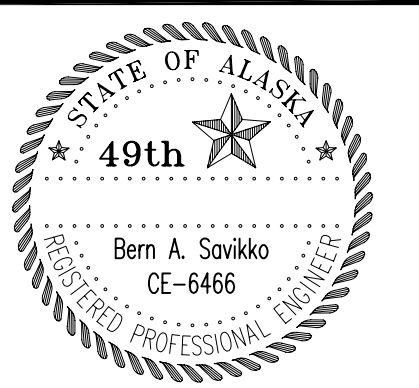
RECORD OF REVISIONS		
DATE	DESCRIPTION OF CHANGE	BY

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION

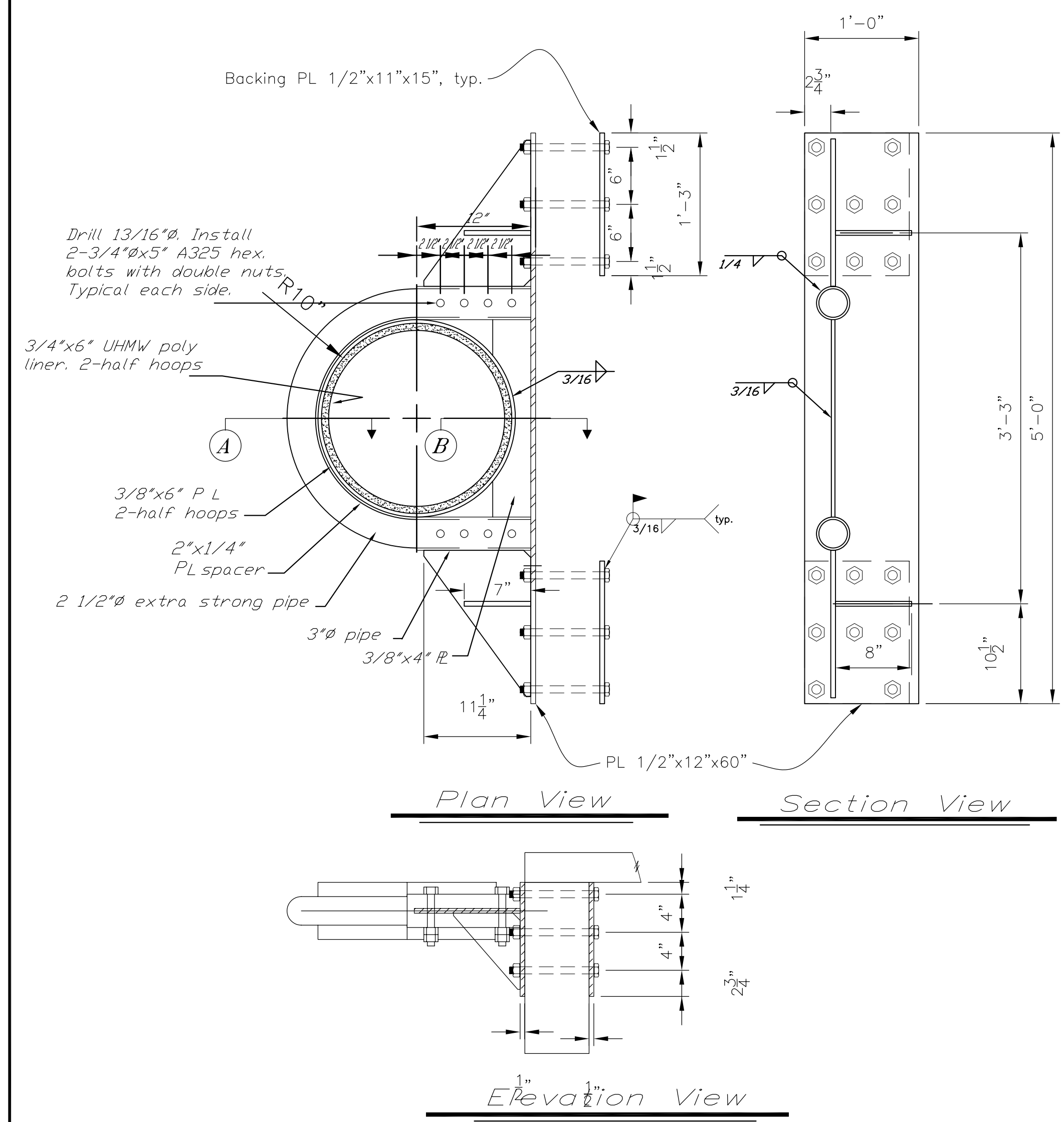
KAKE SEAPLANE FLOAT REPLACEMENT  
KAKE, ALASKA  
PROJECT NO. 67744  
FLOAT FOAM AND PILE DETAILS

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

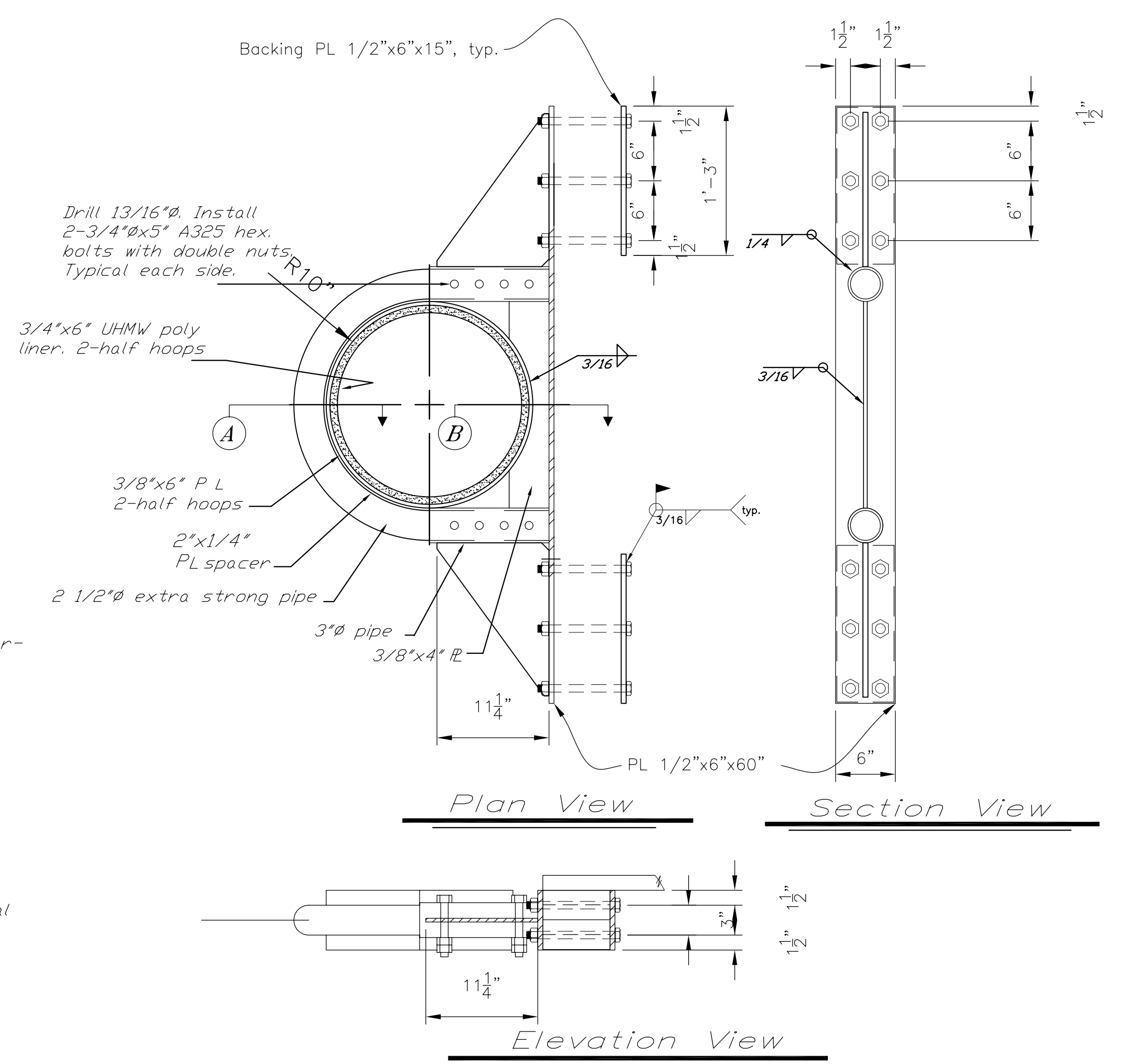
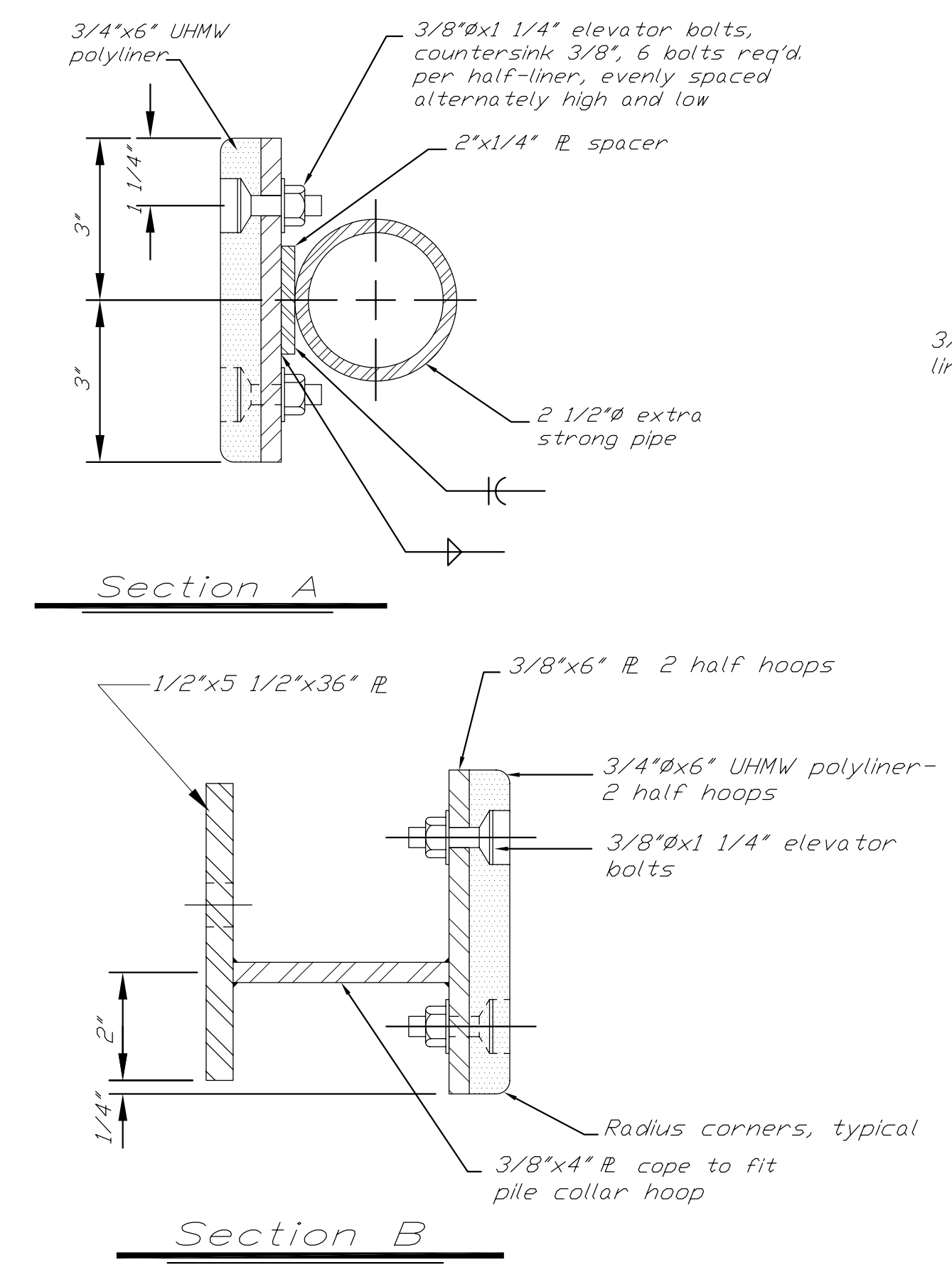
DESIGNED BY:	BAS	PROJECT NO.	67744
DRAWN BY:	BAS	DATE:	OCTOBER 1999
CHECKED BY:	RWM	SHEET 9	OF 18



Note:  
Miscellaneous metals fabricator shall  
furnish all pile collar assembly fasteners.  
All fasteners shall be hot dip gal.



New Seaplane Pile Collar  
(3 each req'd)



New Exterior Float Pile Collar  
(2 each req'd)

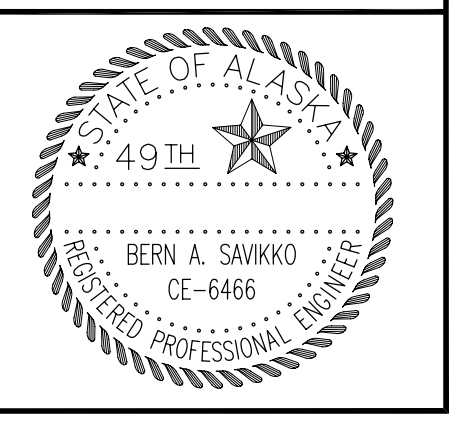
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BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

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

KAKE  
KAKE SEAPLANE FLOAT  
REPLACEMENT  
PROJECT NO. 67744  
ALASKA  
PILE COLLAR DETAILS

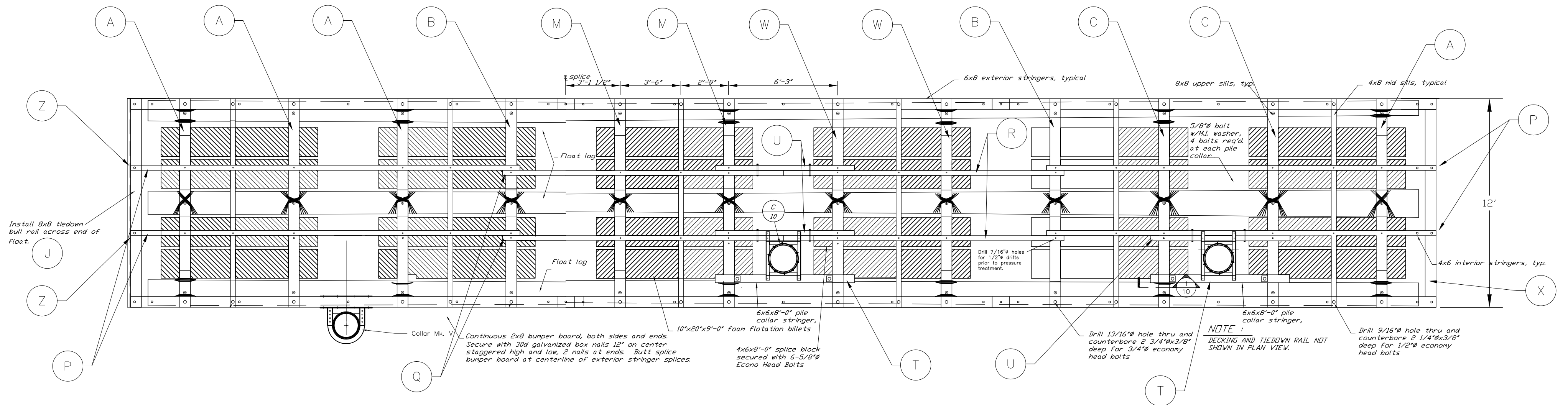
NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

DESIGNED BY: BAS	PROJECT NO. 67744
DRAWN BY: BAS/CAROL	DATE: OCTOBER, 1999
CHECKED BY: RWM	SHEET 10 OF 18

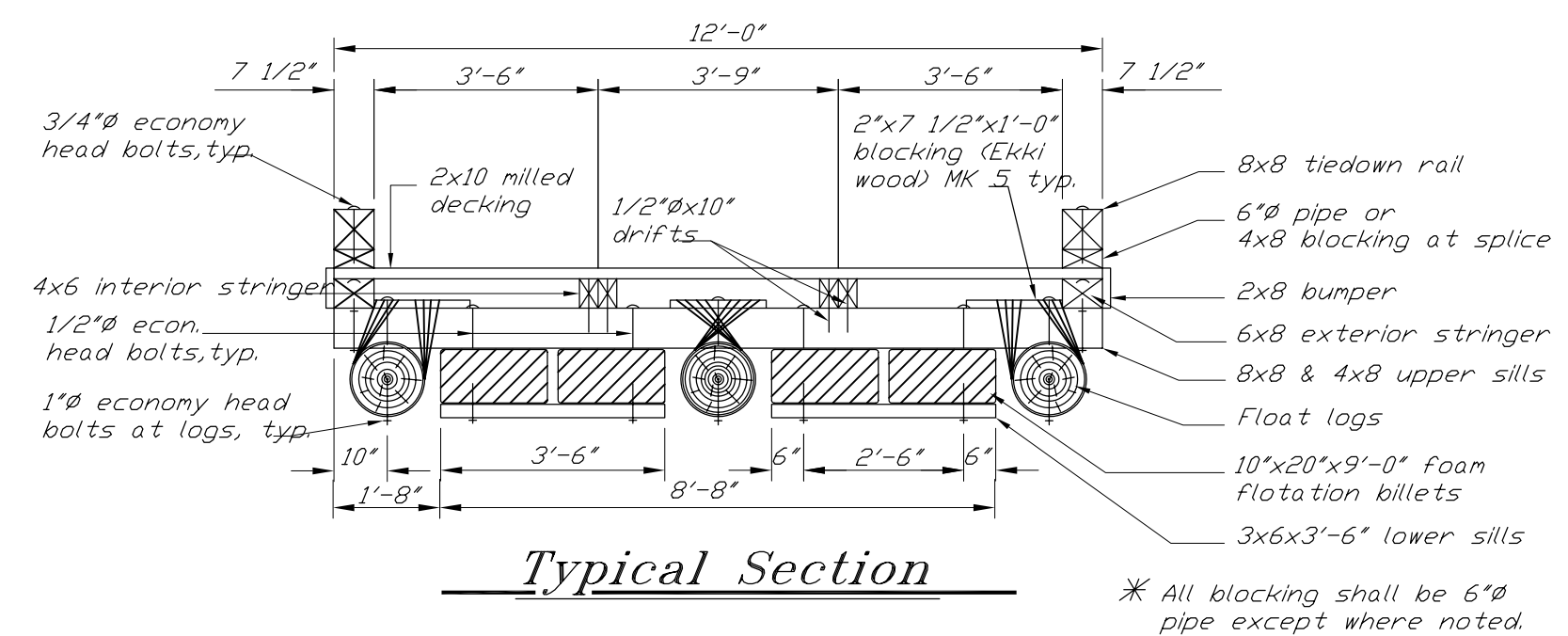


**Pressure Treated Timber Materials**  
( See Specifications for Treatment & Retention )

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 daps & drill holes prior to treatment
6x6 Pile Collar Stringer	S4S	Shop drill all holes.

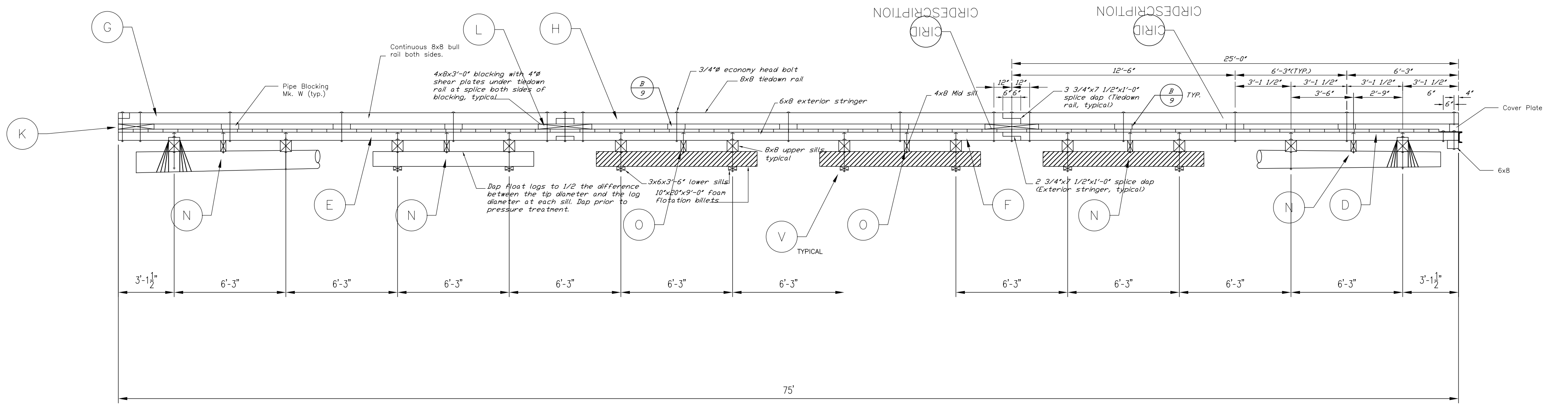


2 Float Framing - Plan View



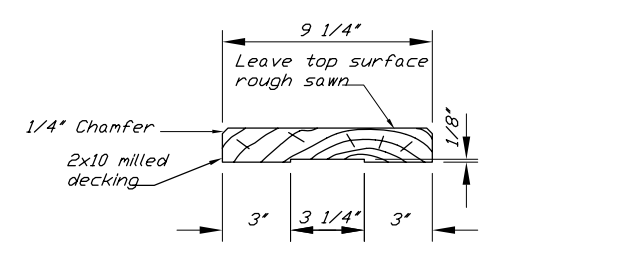
Typical Section

\* All blocking shall be 6" pipe except where noted.



2 Float Framing - Elevation

**General Notes:**  
Lash all logs at tip and butt ends and at every other 8x8 sill with 4 turns 1/2" galvanized cable. Secure with 3/8" x 14" galvanized trap staples each turn. Return bend and staple cable ends. Lash logs at every 8x8 sill.  
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 58 1/2" (18" dia.).  
Contractor to furnish and install, where directed by the Engineer, 5 - 5" x 20" x 4" - 6" Flotation billets to balance the float.



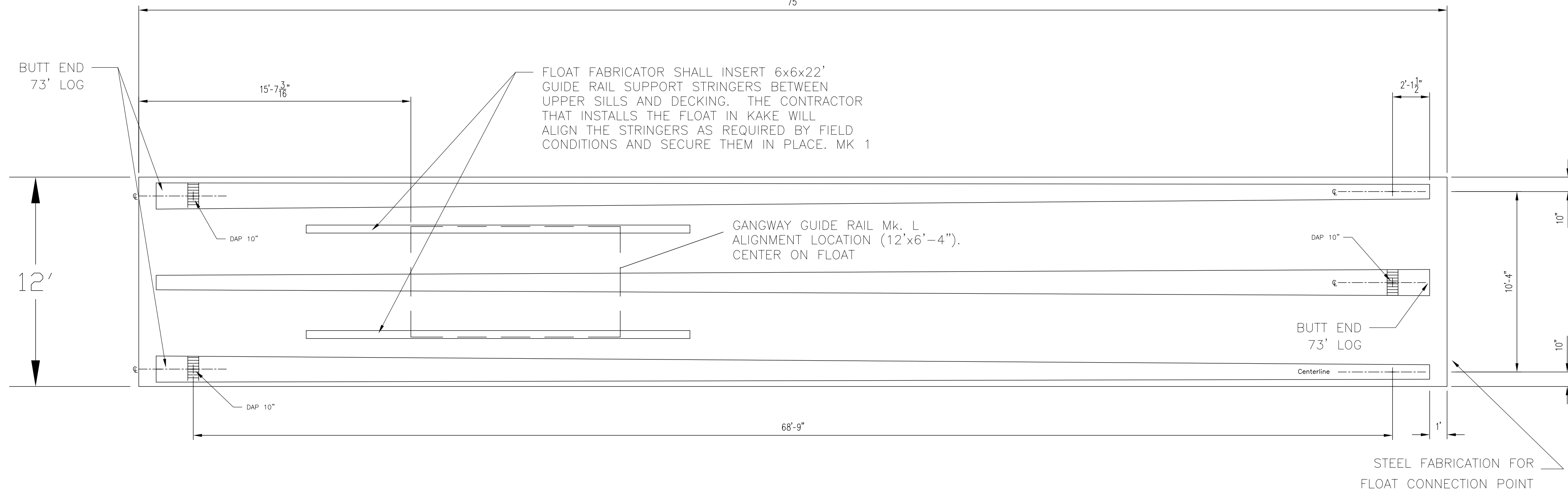
\* Milled Decking Detail

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

THIS AS-BUILT SHEET WAS PROVIDED WITH THE ORIGINAL PLAN SET FOR INFORMATIONAL PURPOSES

**AS BUILT**

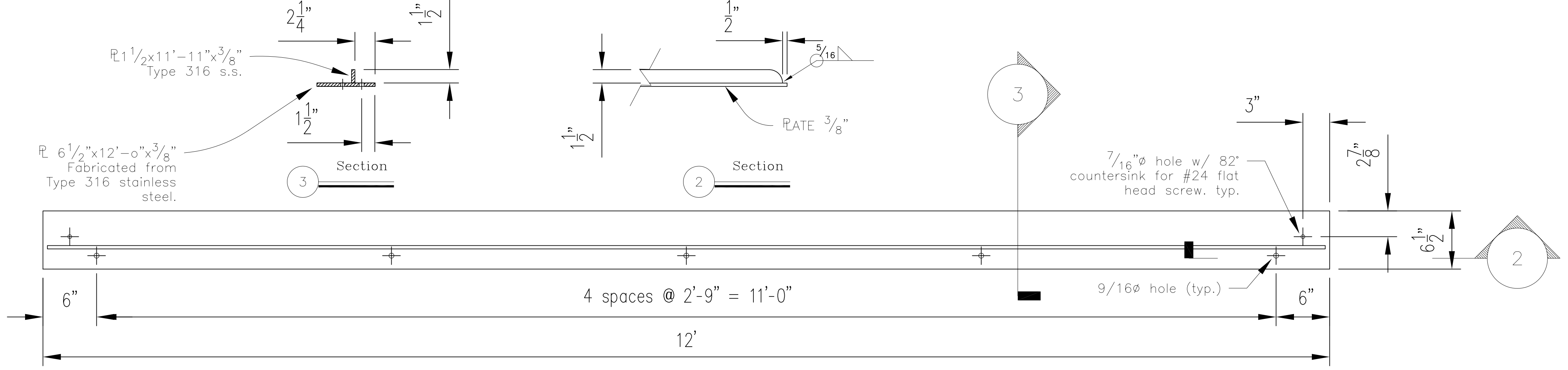
Sheet 11 of 18



1 REINFORCED LOG FLOAT FRAMING PLAN  
1/8" = 1'-0"

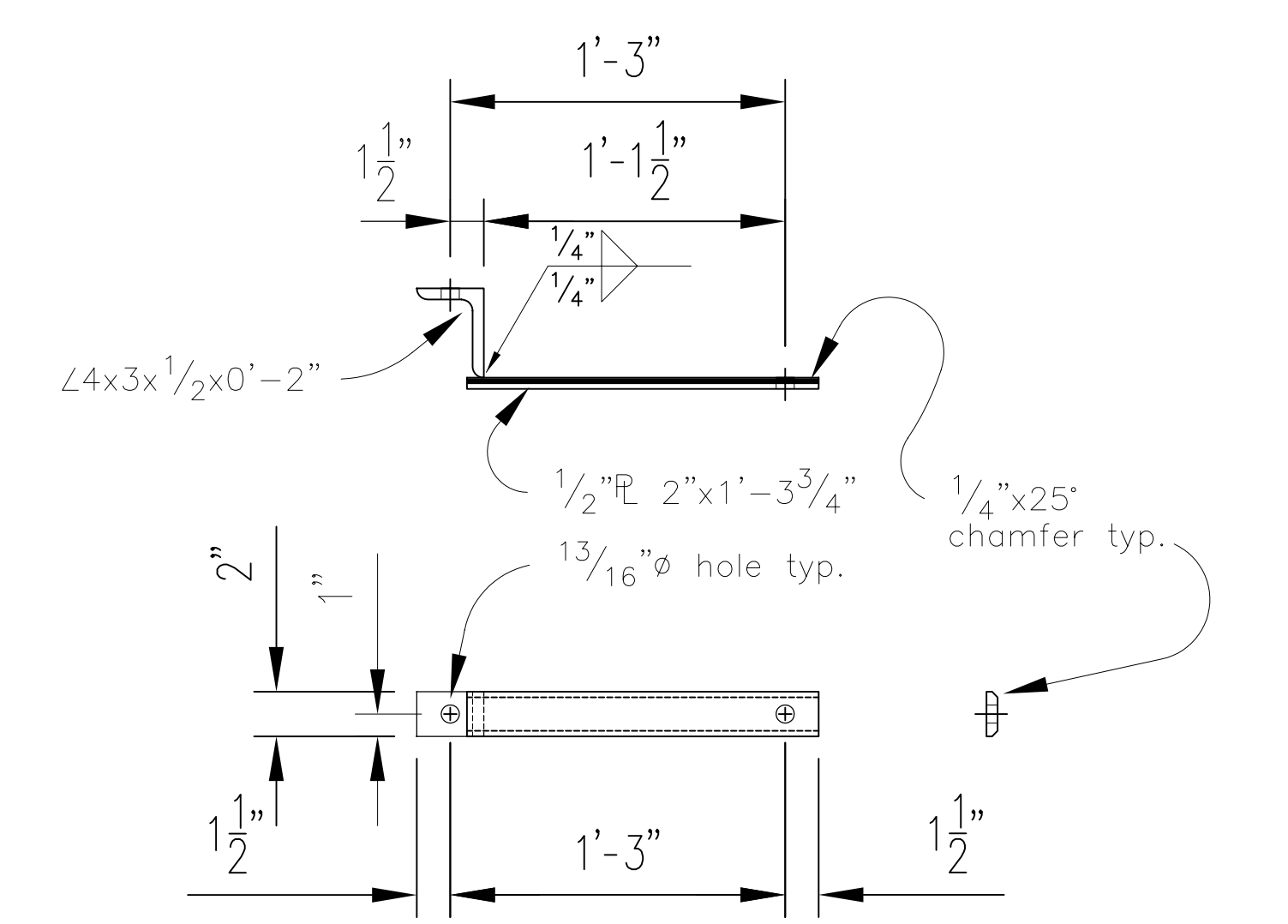
NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

REV.	DESCRIPTION	BY	DATE
FOR APPROVAL: 3965	TO SHOP:	TO FIELD:	J:\PROJECTS\3965\582A.DWG
R & R APPROVAL	AS BUILT: \\Cobra\Projects\Kae\67744\Asbuilts\Sheet11.dwg		
<b>STATE OF ALASKA</b> DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHEASTERN REGION - MAINTENANCE AND OPERATIONS			
JOB NAME: KAKE DOCK APPROACH FLOAT	DRAWN BY: dbl	CHECKED BY: dbl	
LOCATION: REPLACEMENT KAKE, ALASKA	SCALE: 1/4" = 1'-0"		
CONTRACTOR:	DATE: 9-29-97	JOB NUMBER	SHEET
DESCRIPTION: Framing plan	3965	1 of 1	



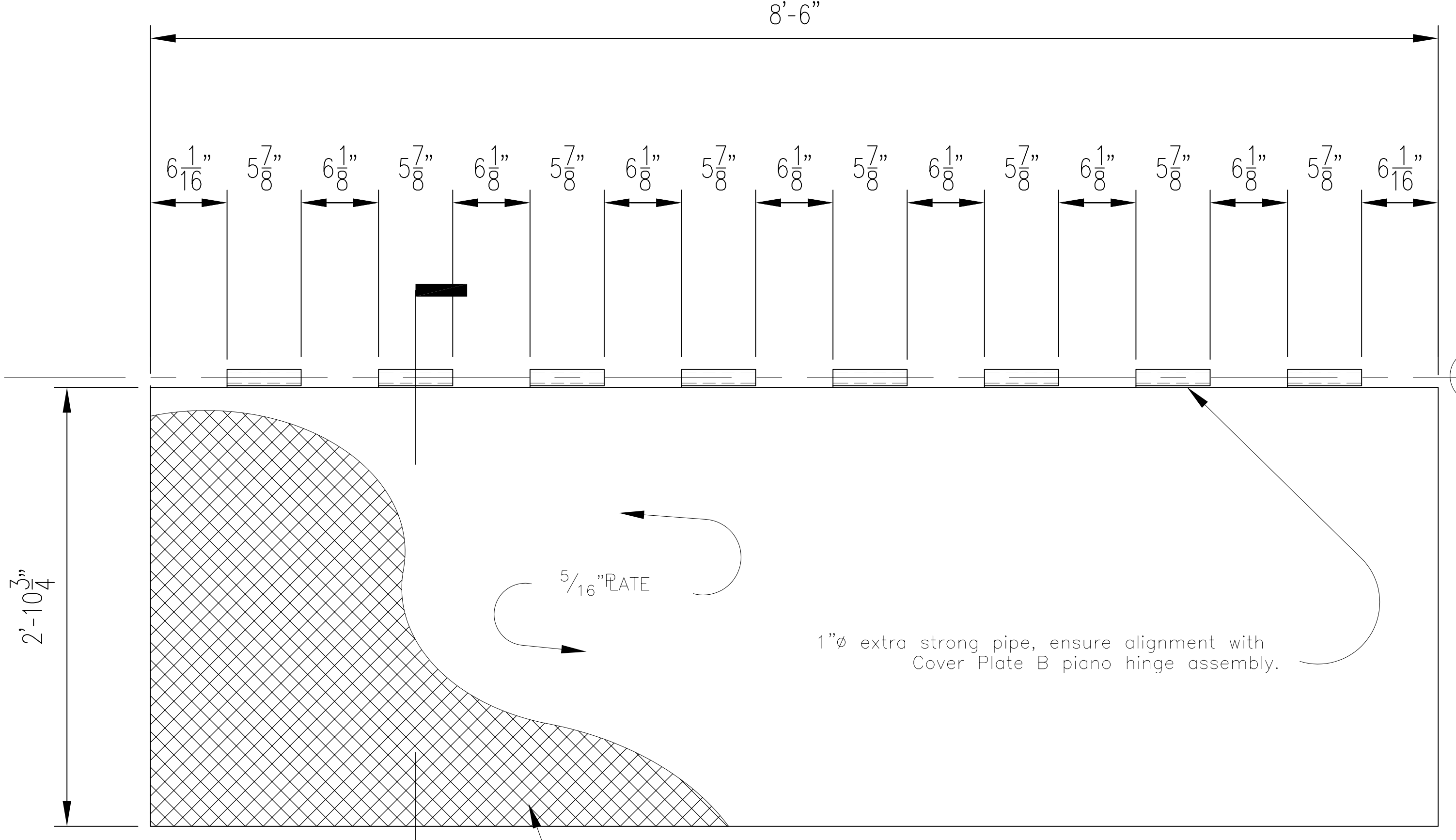
GANGWAY GUIDE RAIL - Mk. L

3/4" = 1'-0" (2 each required) (Weight = 61# each)



FENDER CONNECTION ASSEMBLY - Mk. G

5 10 each req'd

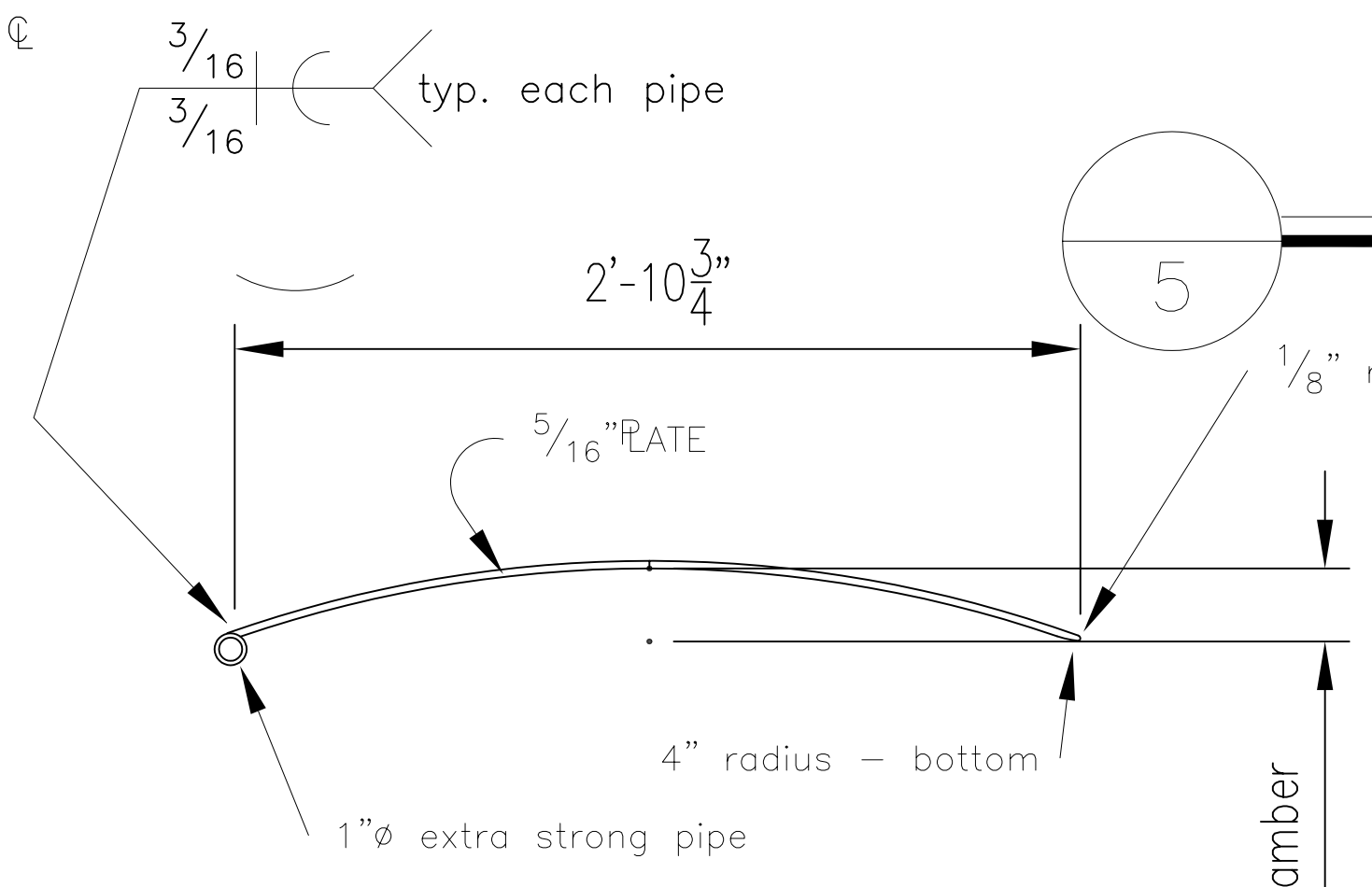


TRANSITION PLATE Mk. A - PLAN VIEW

3/4" = 1'-0" 1 each req'd

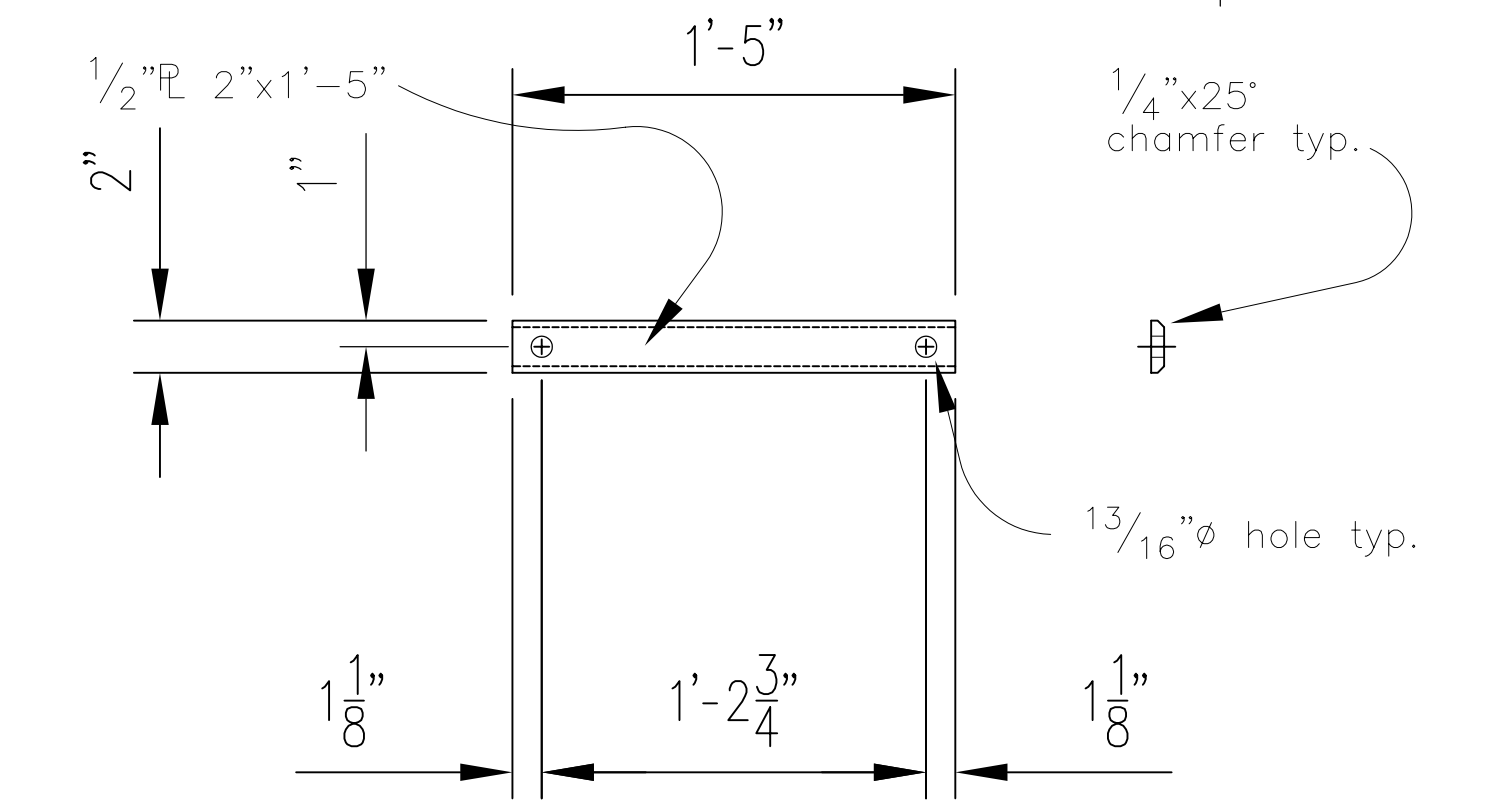
**EXPANDED METAL ATTACHMENT NOTE :**  
 Expanded metal shall consist of one continuous piece for Weldment "A".  
 The expanded metal shall be attached to the upper surface of the weldments by welding at all individual perimeter ends (100% welds at perimeter) and welded at interior strand intersections on a 3" grid. The long dimensions of the diamonds shall be oriented parallel with the long dimension of the plate.  
 Cover plates shall be shop assembled after galvanizing, to check fit prior to shipping.

Chase pipe after galvanizing to ensure clearance for Mk. H hinge pin.



Section

1 3/4" = 1'-0"



FENDER SUPPORT BAR - Mk. F

5 10 ea. req'd

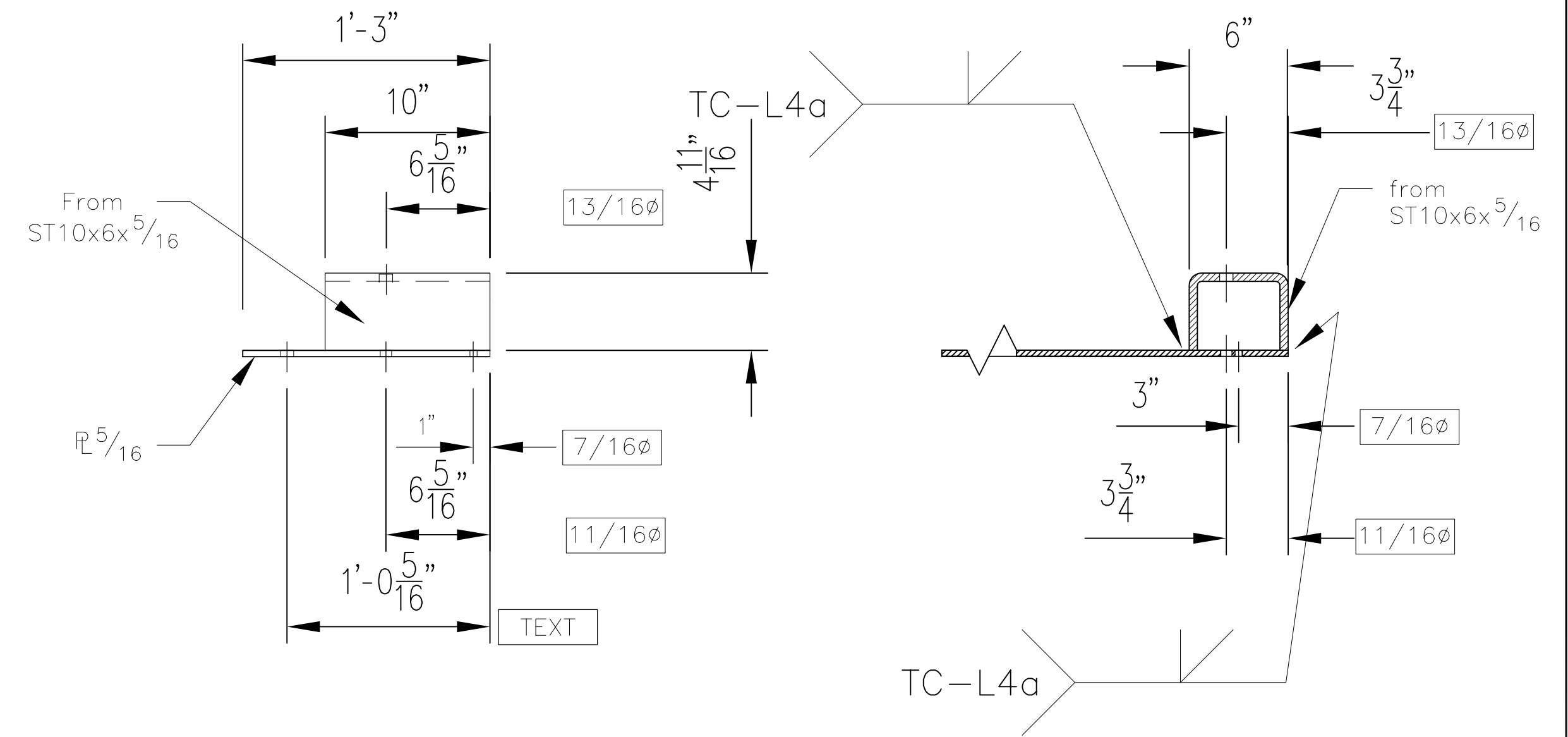
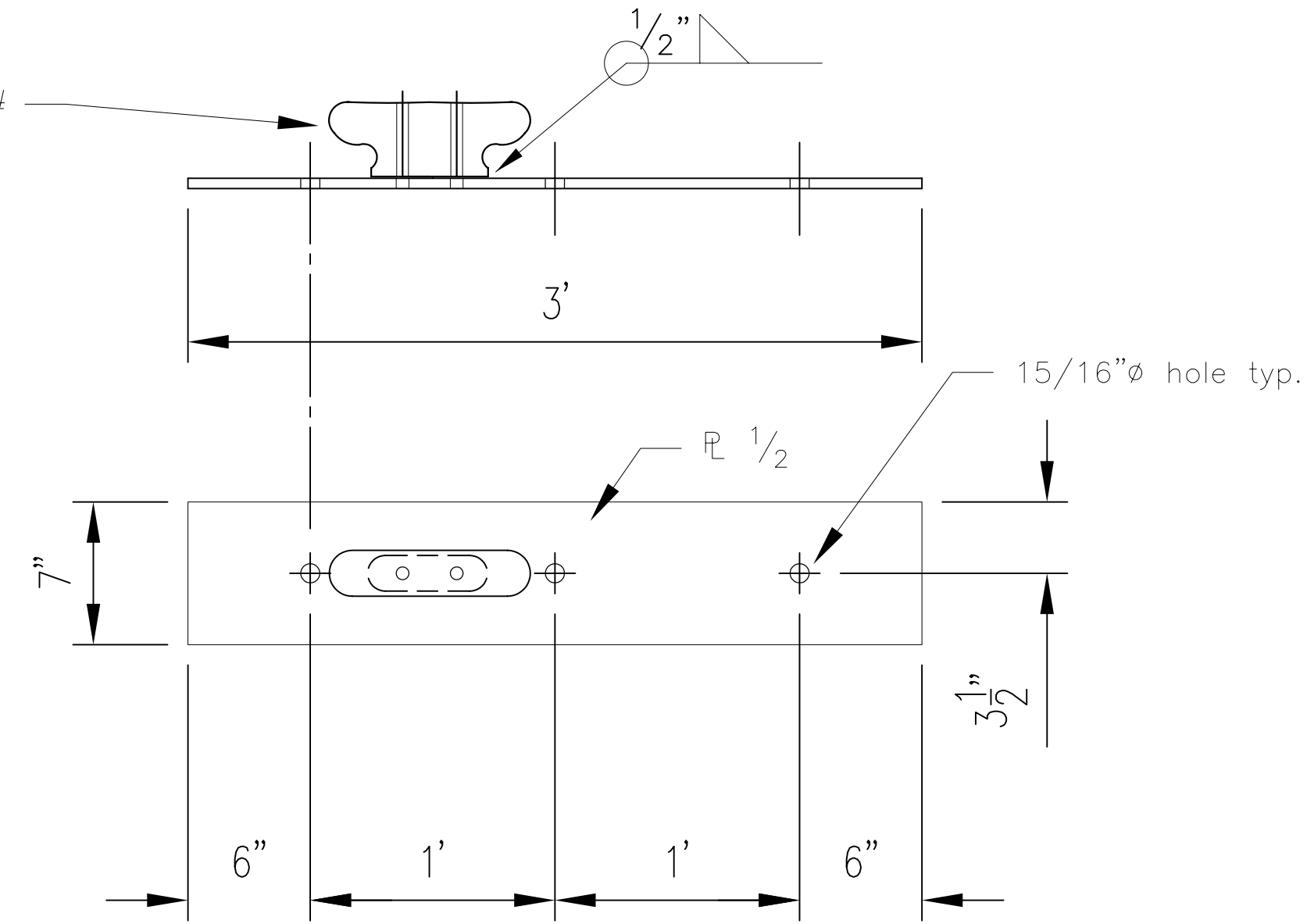
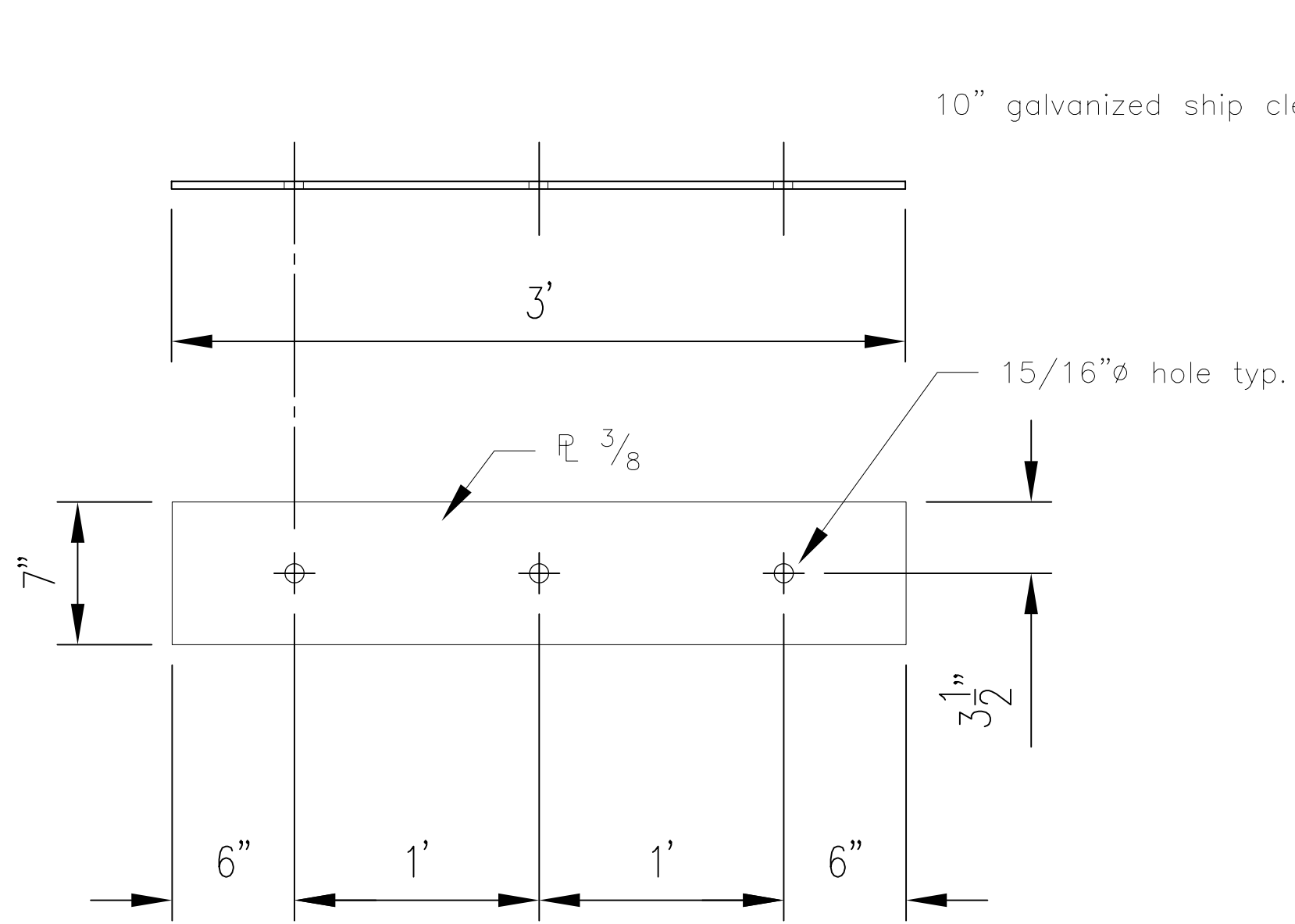
THIS AS-BUILT SHEET WAS PROVIDED WITH THE ORIGINAL PLAN SET FOR INFORMATIONAL PURPOSES  
**AS BUILT**  
 Sheet 12 of 18



PROJECT NO: 3965	DRAWING NO: j:\projects\3965\622b.dwg
AS BUILT: \\Cobra\Projects\Kae\67744\Asbuilts\Sheet12.dwg	
<b>STATE OF ALASKA</b>	
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHEASTERN REGION - MAINTENANCE AND OPERATIONS	
PROJECT: KAKE APPROACH FLOAT REPLACEMENT	DRAWN BY: dbi CHECKED BY: dbi
LOCATION: KAKE, ALASKA	SCALE: 3/4" = 1'-0"
DESCRIPTION: Float Connection	DATE: 9-3-97
JOB NUMBER: 3965	SHEET: 6 of 10





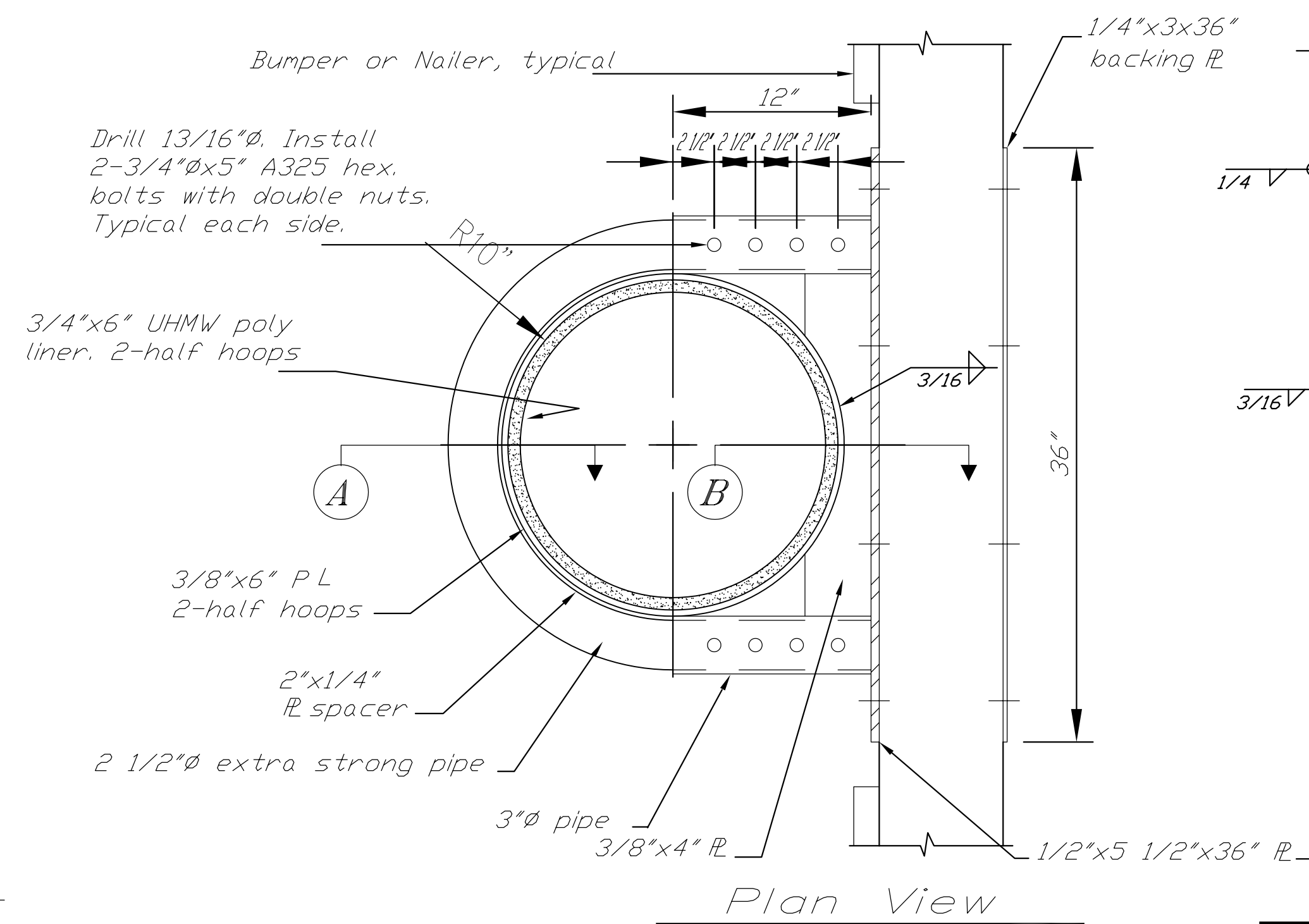
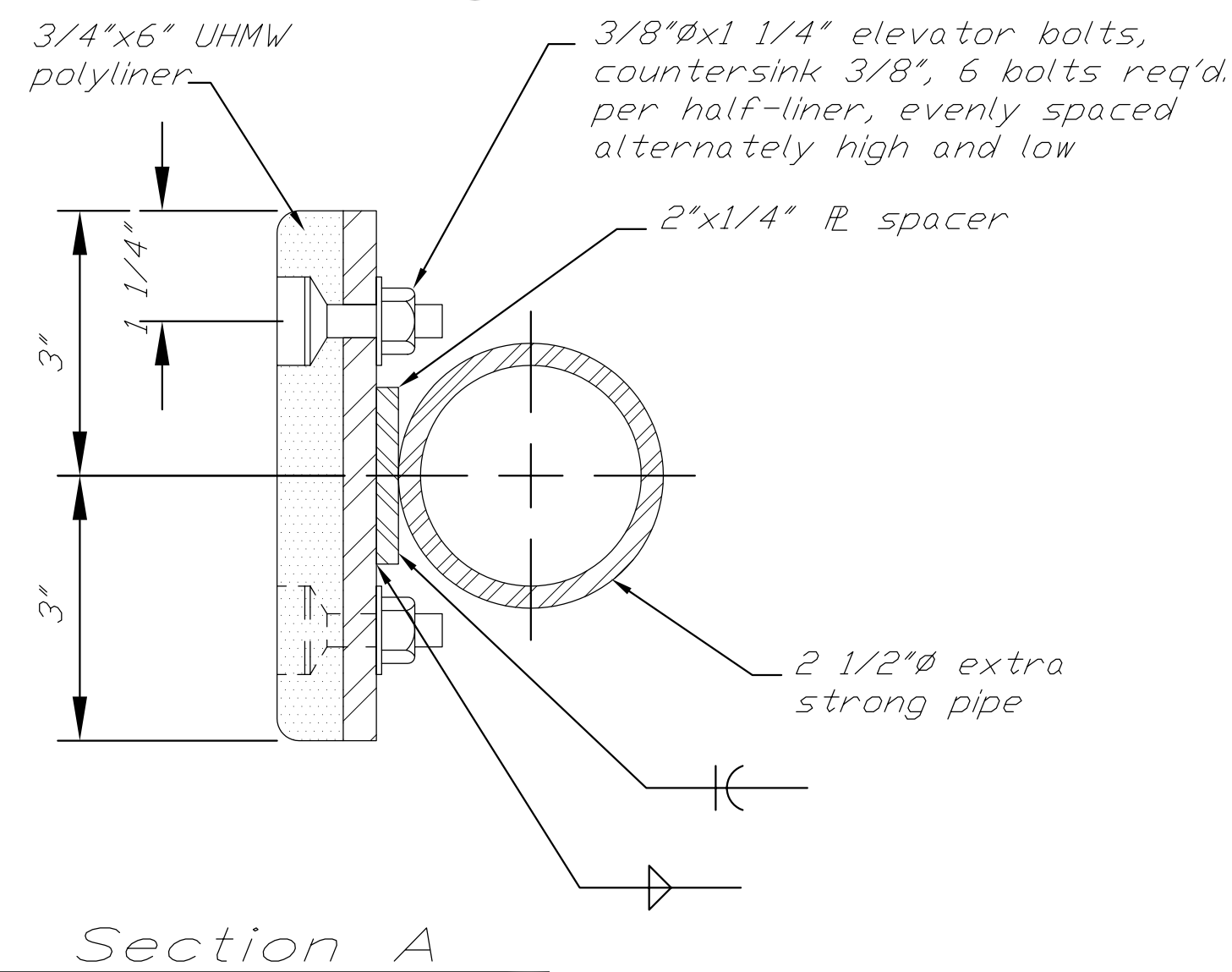


Bottom Plate - Mk. K

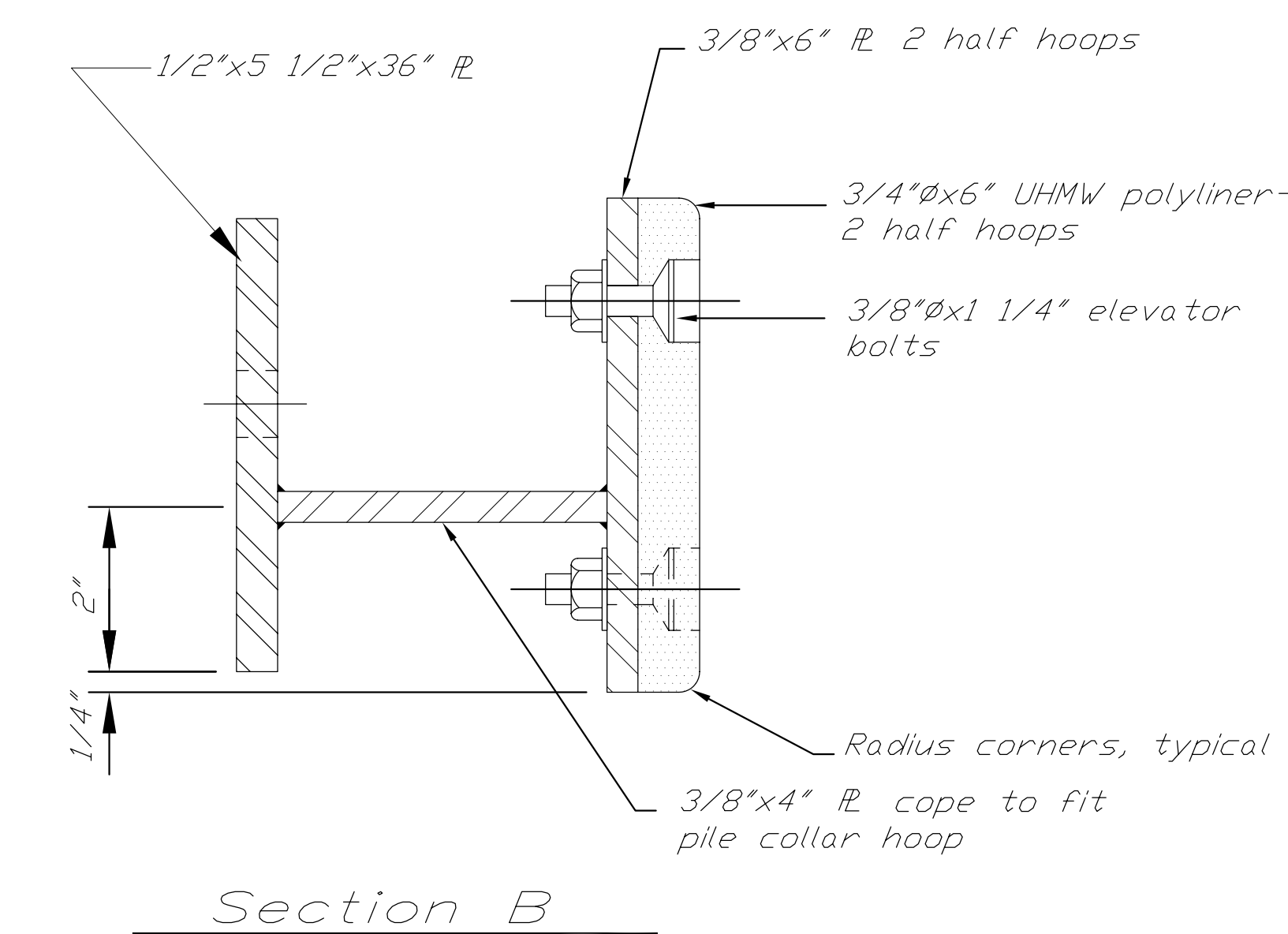
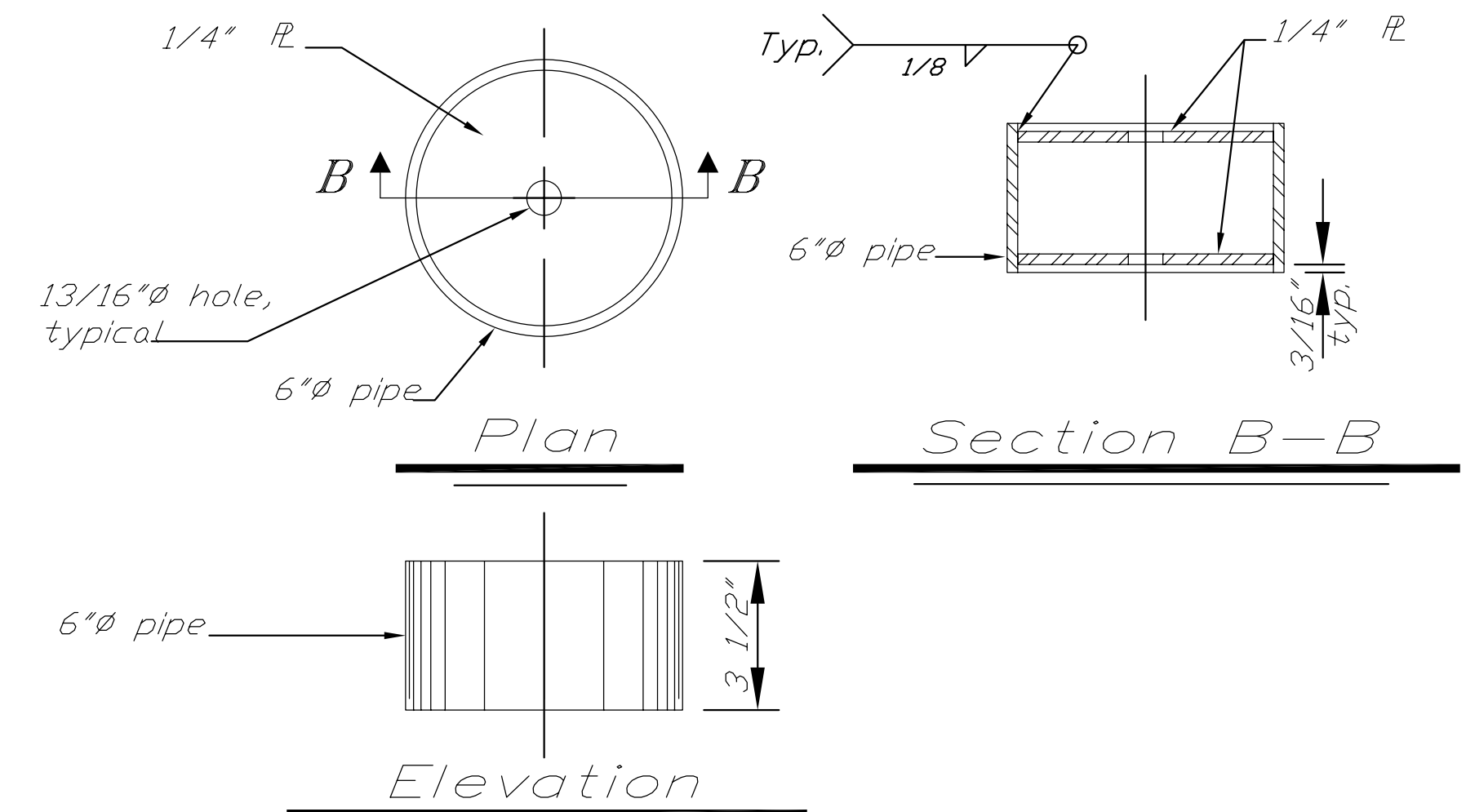
Top Plate - Mk. K

Sect. 4

Sect. 3

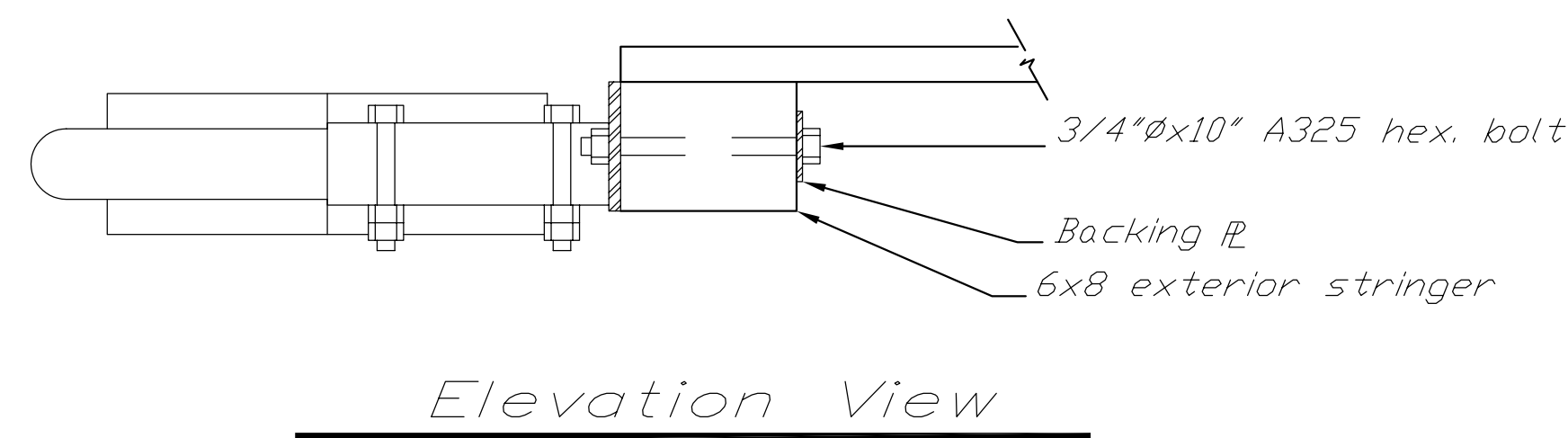


Note:  
Miscellaneous metals fabricator shall furnish all pile collar assembly fasteners. All fasteners shall be hot dip gal.



Section View

Pipe Blocking - Mk. W



Pile Collar - Mk. V

THIS AS-BUILT SHEET WAS PROVIDED WITH THE ORIGINAL PLAN SET FOR INFORMATIONAL PURPOSES

**AS BUILT**

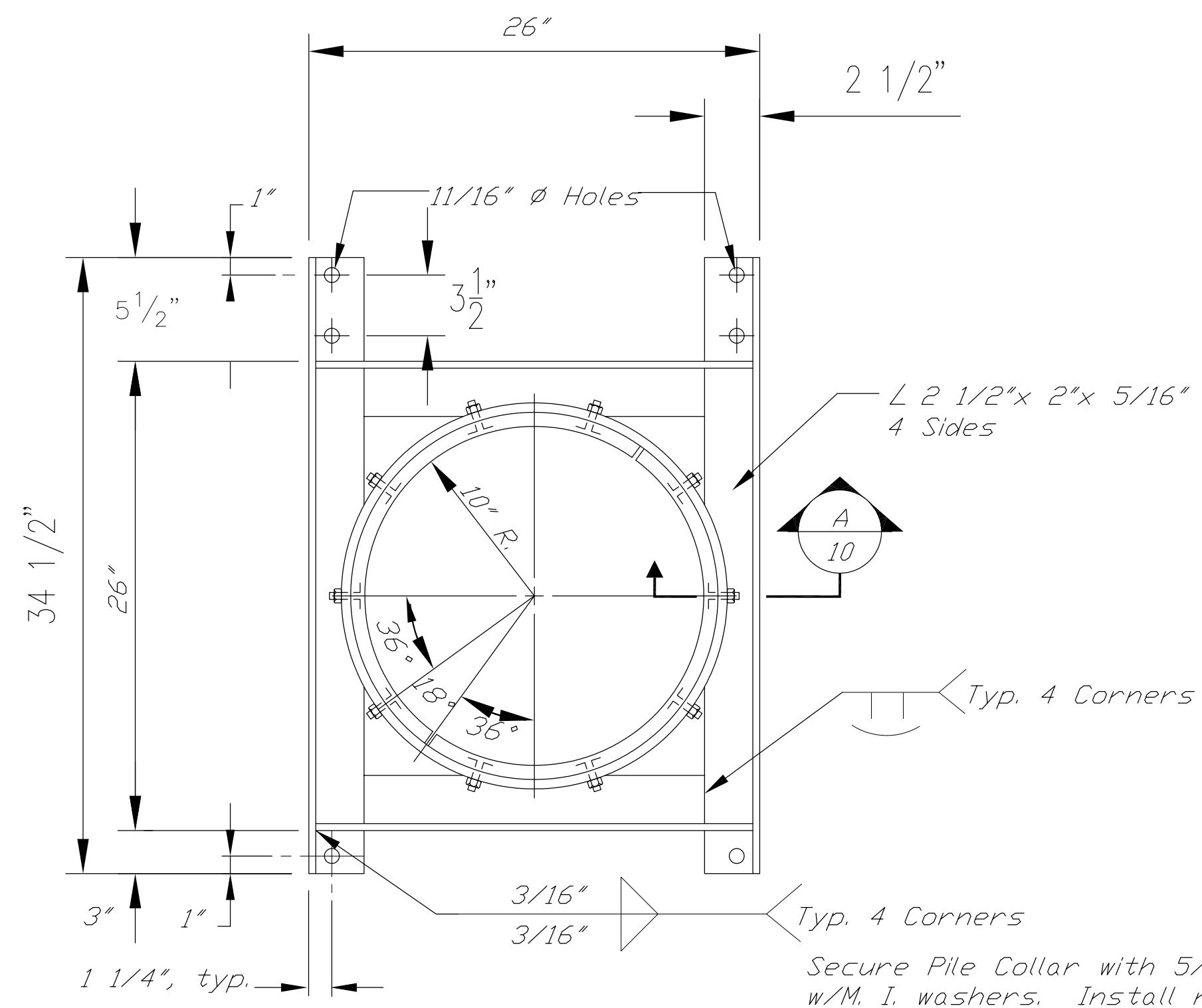
Sheet 15 of 18

(18 each req'd)  
(weight = 9.5# each)

Scale in Feet



PROJECT NO: 3965	DRAWING NO: j:\projects\3965\622.dwg
AS BUILT: \\Cobra\Projects\Kae\67744\Asbuilts\Sheet15.dwg	
<b>STATE OF ALASKA</b>	
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHEASTERN REGION - MAINTENANCE AND OPERATIONS	
PROJECT: KAKE DOCK APPROACH FLOAT REPLACEMENT LOCATION: KAKE, ALASKA	DRAWN BY: dbl CHECKED BY: dbl SCALE: 3/4" = 1'-0" DATE: 8-14-97
DESCRIPTION: Miscellaneous Metals	JOB NUMBER: 3965 SHEET: 9 OF 10



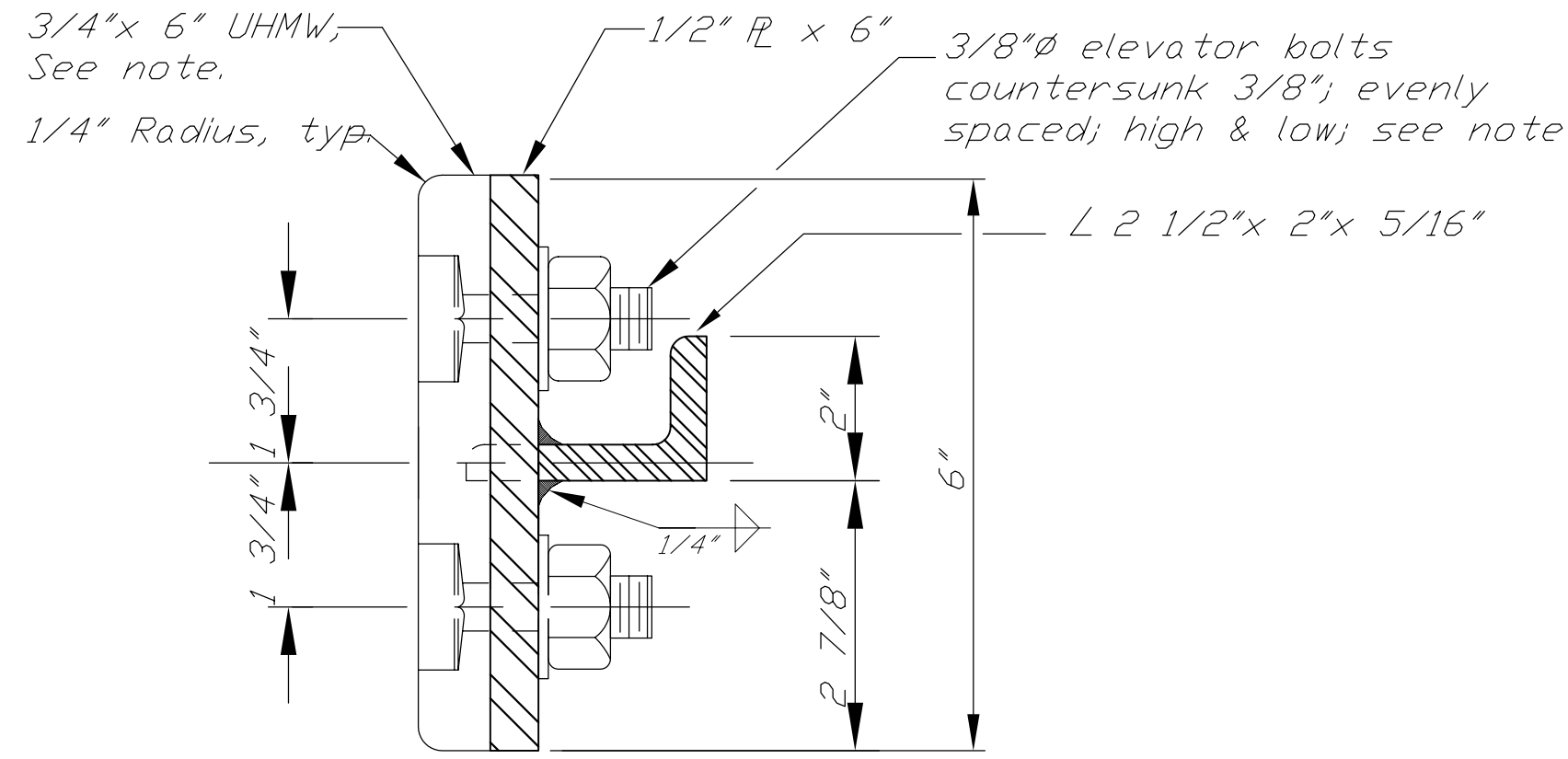
Plan

Internal Pile Collar Detail

C

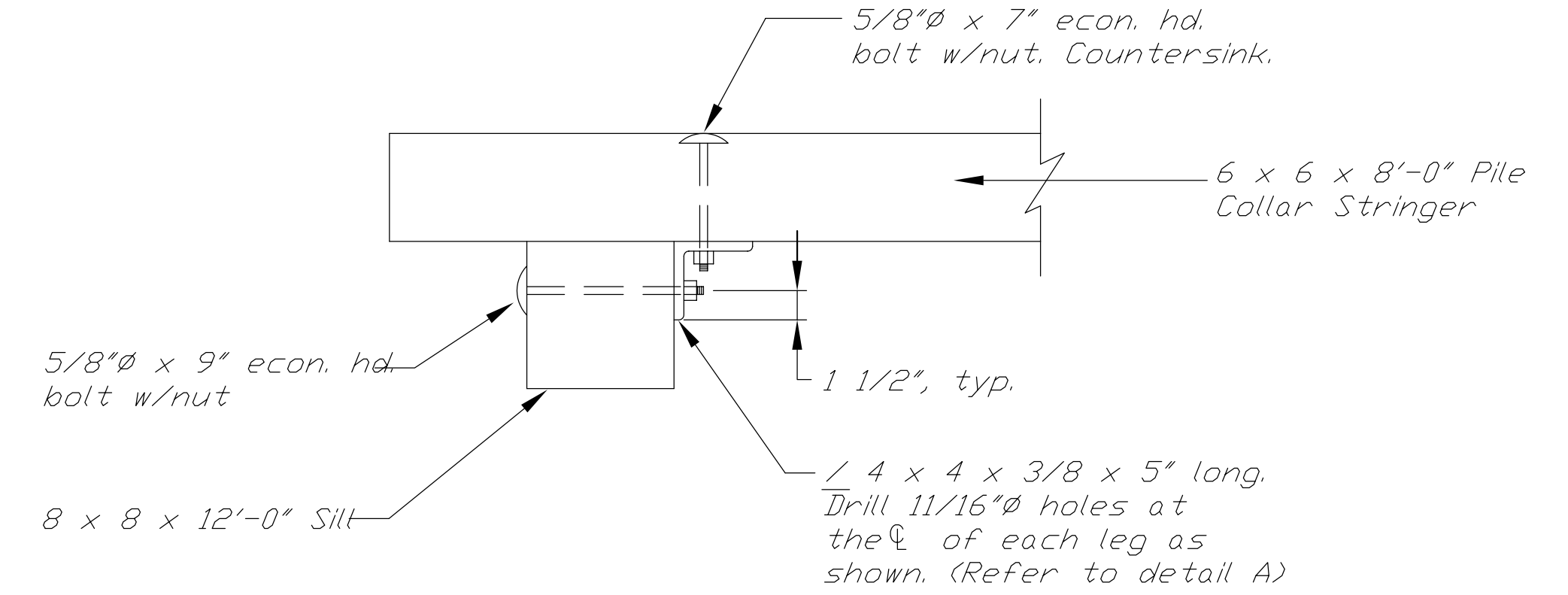
(2 each req'd)  
(Weight = 96# each)

NOTE:  
UHMW poly liners, as shown, with 5 bolts per circular half collar.  
UHMW poly liners shall be heated and then molded to the shape shown.



Section

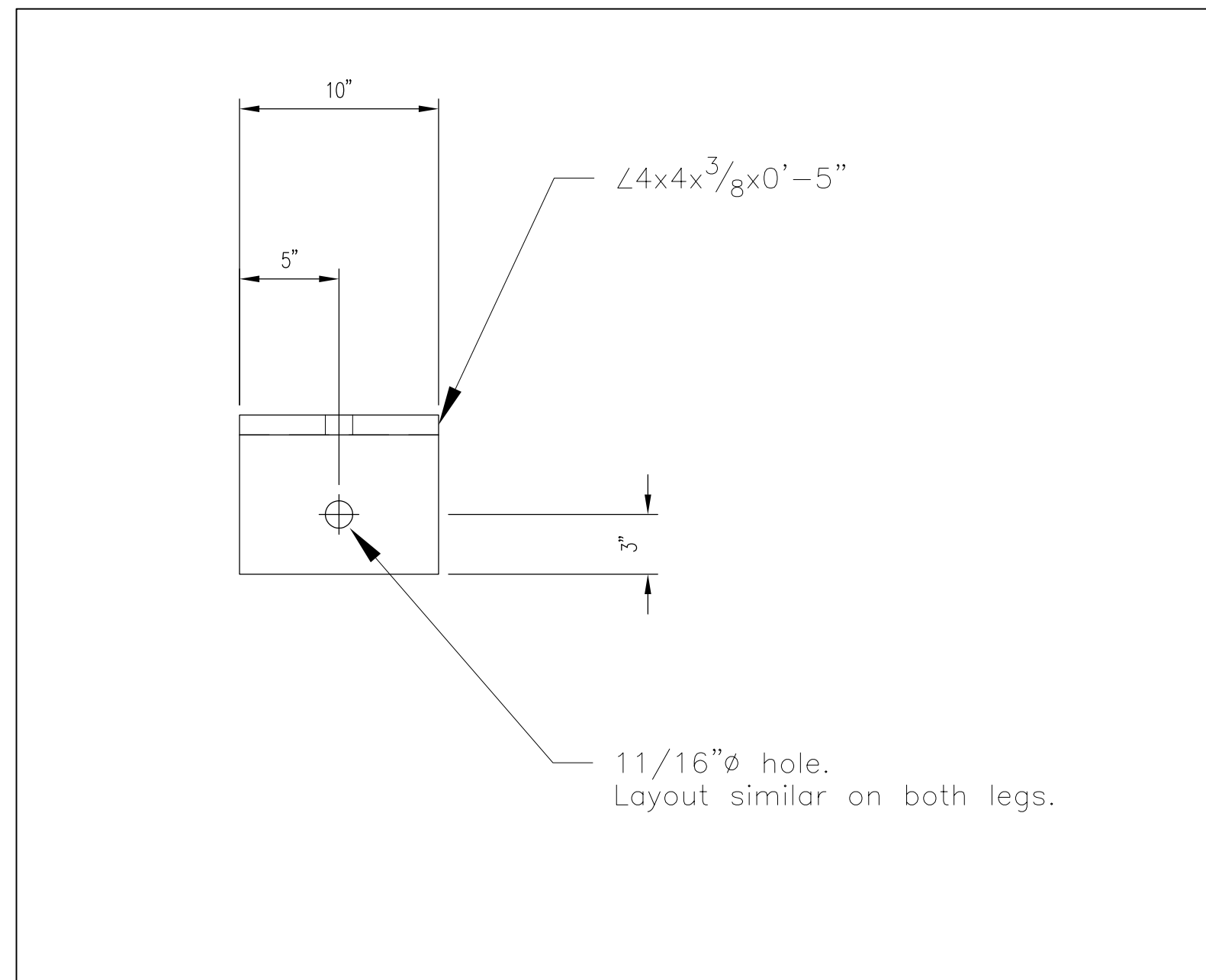
A



Elevation

Pile Collar Stringer Connection Detail

1  
3



A

Collar Beam Connection Angle

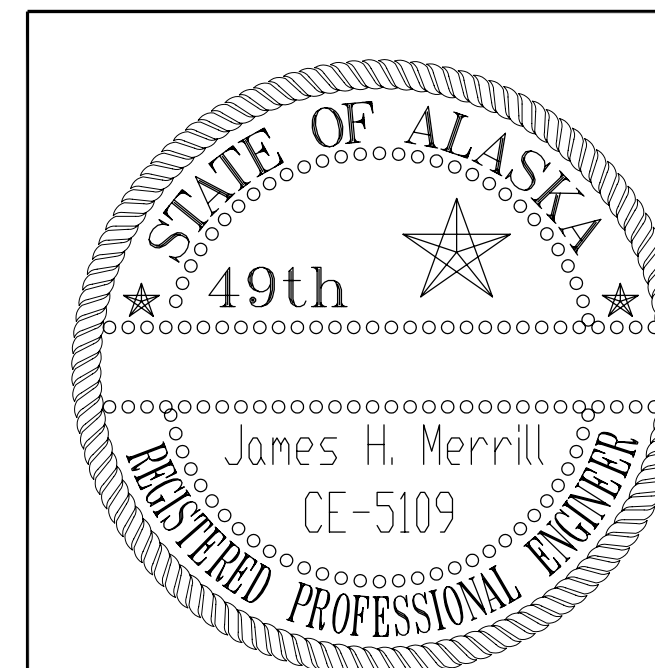
(4 each req'd)

1 1/2" = 1'-0"

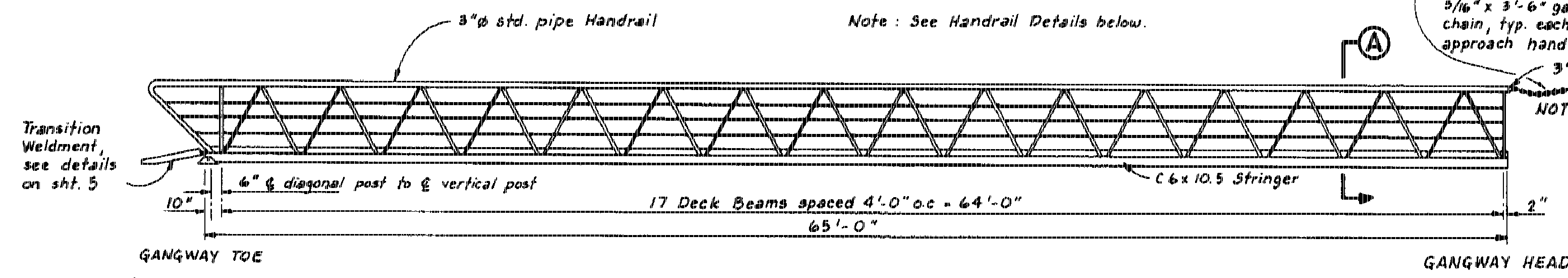
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THIS AS-BUILT SHEET WAS PROVIDED WITH THE ORIGINAL PLAN SET FOR INFORMATIONAL PURPOSES

” AS BUILT ”  
Sheet 16 of 18



PROJECT NO: 3965	DRAWING NO: j:\projects\3965\622c.dwg	
AS BUILT: \\Cobra\Projects\Kae\67744\Asbuilts\Sheet16.dwg		
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHEASTERN REGION – MAINTENANCE AND OPERATIONS		
PROJECT: KAKE DOCK APPROACH FLOAT REPLACEMENT LOCATION: KAKE, ALASKA	DRAWN BY: dbi SCALE: 3/4" = 1'-0" DATE: 8-14-97	CHECKED BY: dbi
DESCRIPTION: Miscellaneous Metals	JOB NUMBER: 3965	SHEET: 10 OF 10

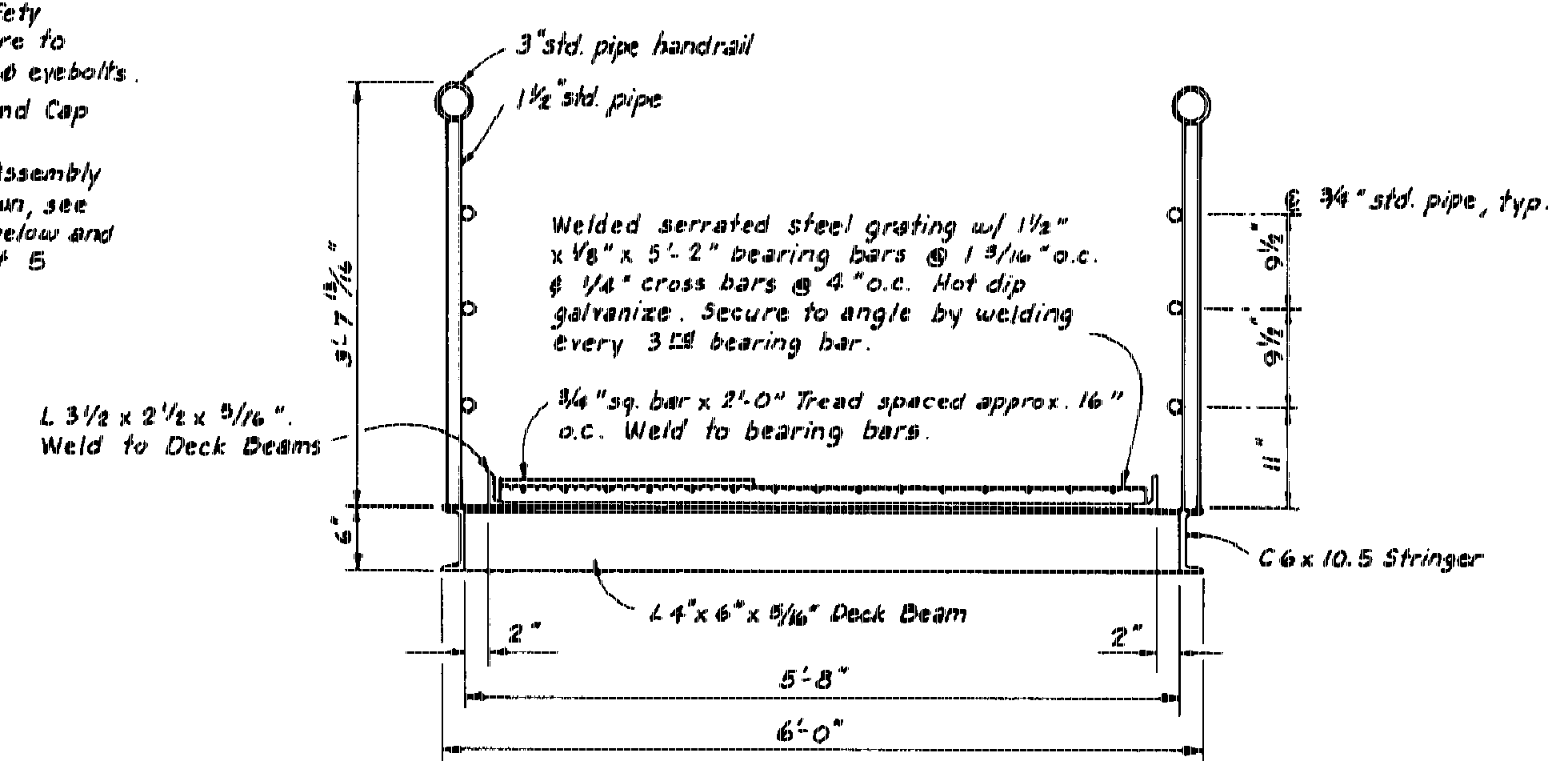


**GANGWAY ELEVATION**

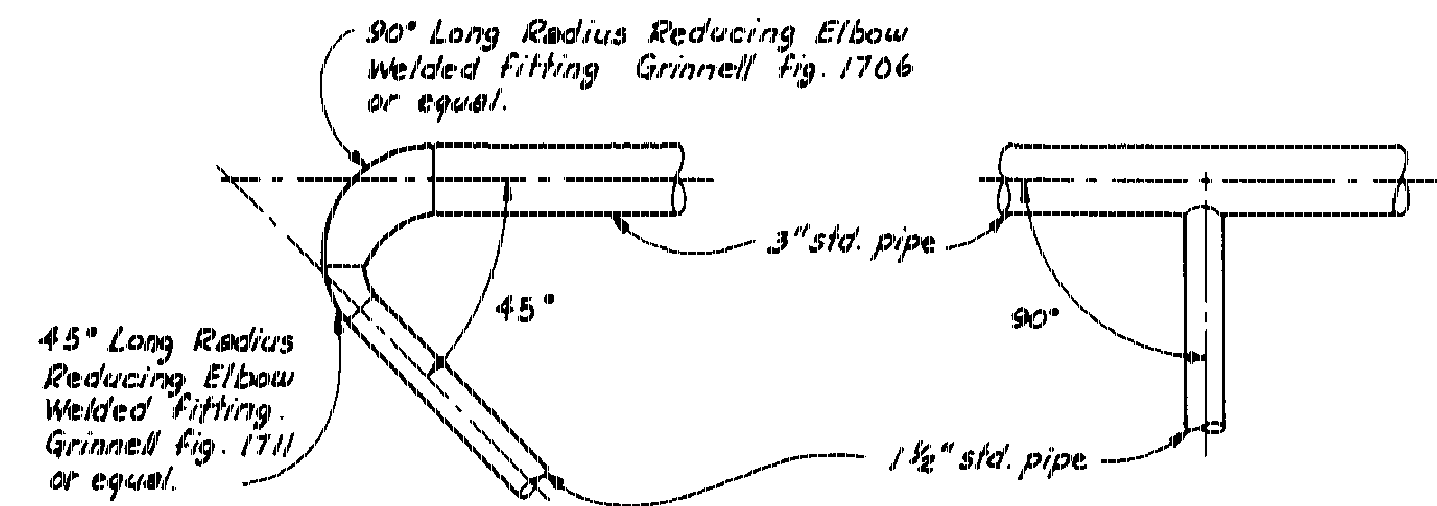
Weld eye to end cap and provide 5/16" x 3'-6" galv. steel safety chain, typ. each side. Secure to approach handrail w/ 3/4" φ eyebolts.

3" φ welded End Cap

NOTE: Hinge Assembly not shown, see details below and on sheet 5

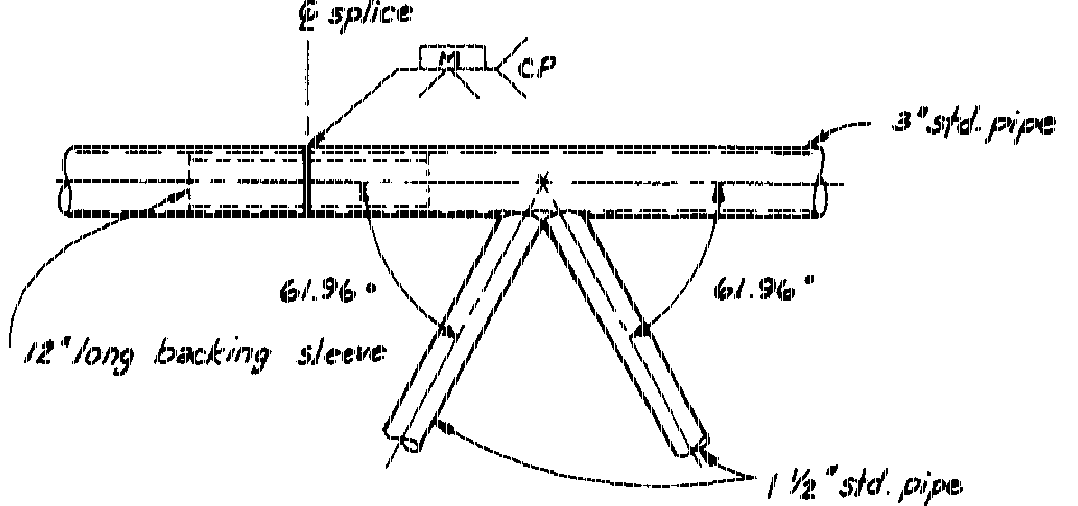


**SECTION A**



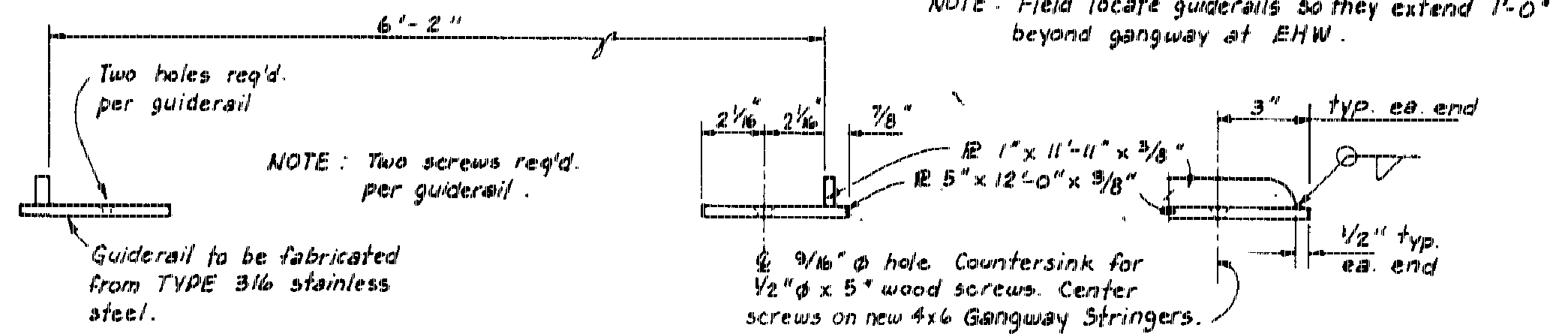
**TERMINAL**

**VERTICAL POST**



**DIAGONALS & SPLICE**

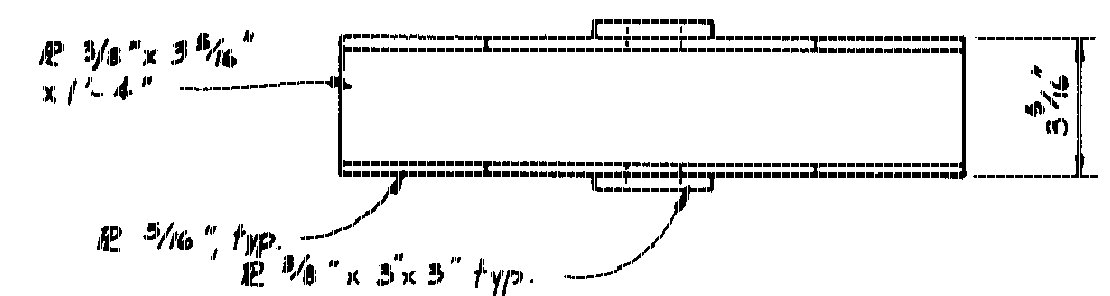
**HANDRAIL DETAILS**



**ELEVATION PROFILE**

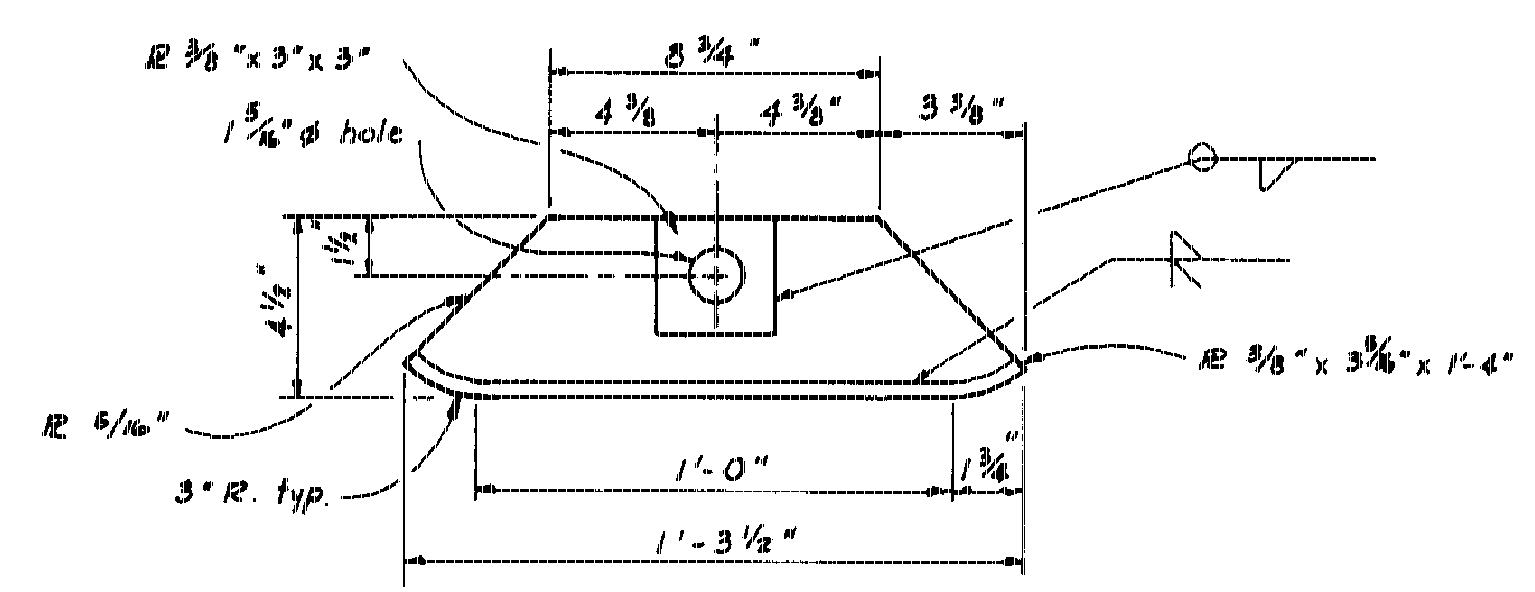
**GUIDERAIL DETAILS**

(2 REQ'D.)

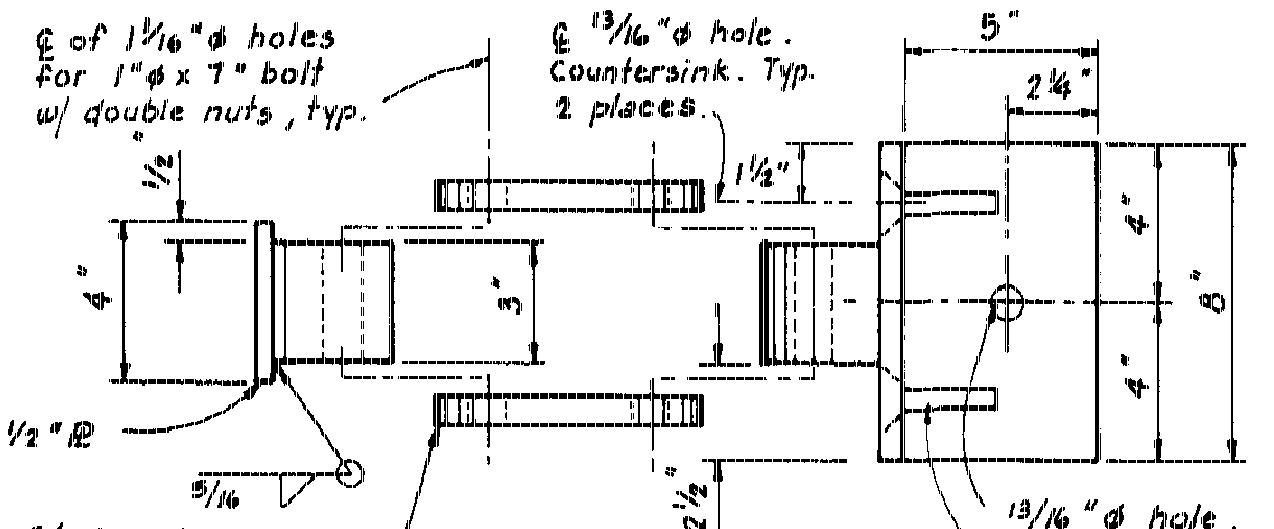


**PLAN SKID WELDMENT**

(2 Req'd.)

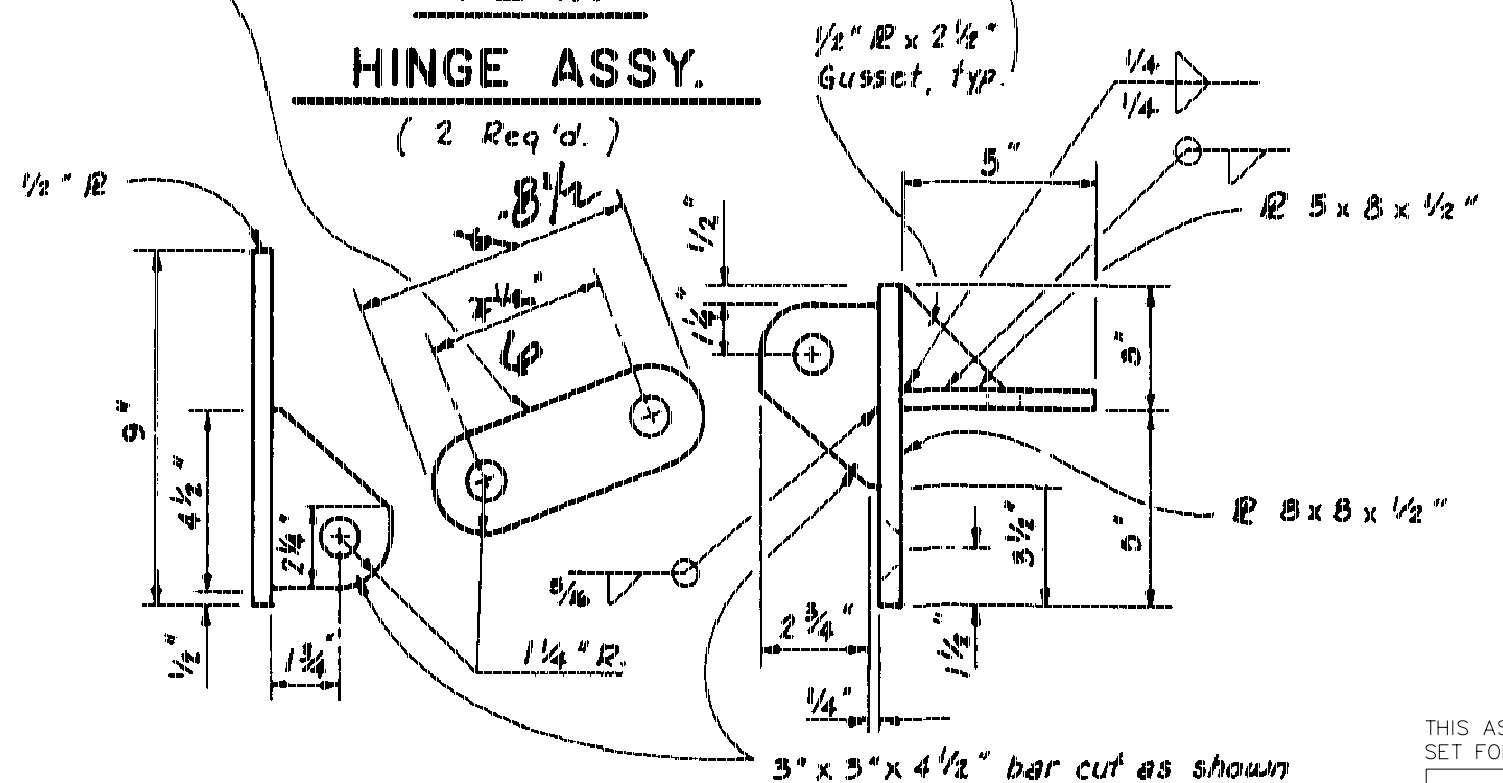


**ELEVATION**



**PLAN HINGE ASSY.**

(2 Req'd.)



**ELEVATION**

**NOTES**

- Design load, 85 p.s.f.
- All pipe shall be seamless and conform to ASTM A-53, Grade B or ASTM A-500.
- All shapes and plates shall conform to ASTM A-36.
- Trusses shall be shop fabricated and assembled including hangers.
- Splices shall be held to a minimum and where necessary shall be made in a manner that will not reduce the strength of the truss.
- No tubing or channel splices will be permitted within 10' of the center of the truss structure.
- Trusses and transverse beams shall be hot dip galvanized after fabrication and in accordance with ASTM A-23, A-384, A-385 & A-386.
- All steel hardware and fasteners shall be hot dip galvanized in accordance with ASTM, A-153.
- Provide 1/2" φ weep holes at all connections between vertical and diagonal posts to C6x10.5 Stringers and 3" φ pipe handrails.

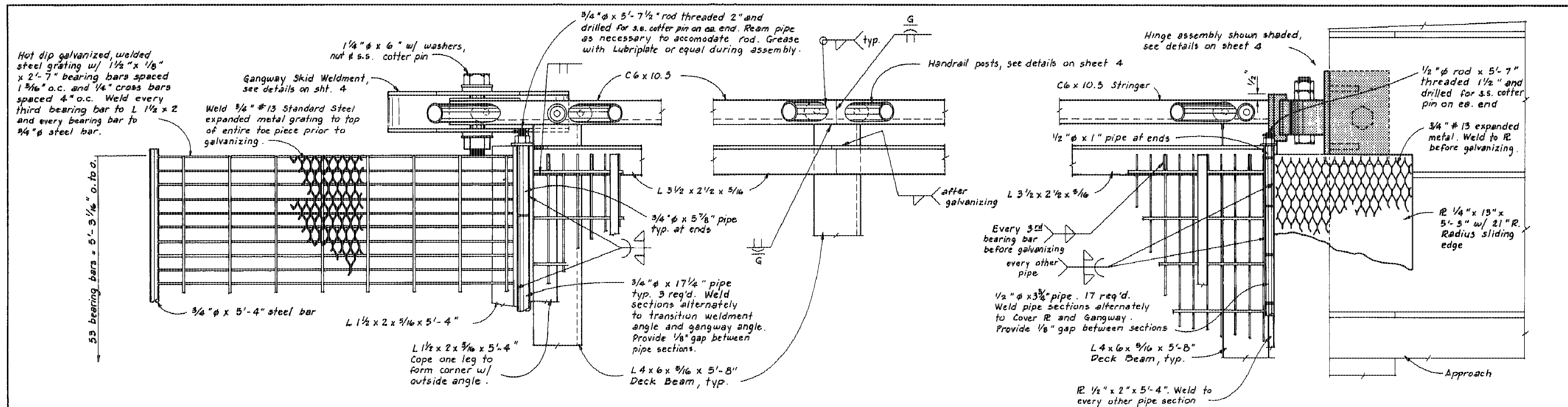
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**AS BUILT**

Sheet 17 of 18

\\Cobra\Projects\Koe\67744\Asbuilts\Sheet17.dwg

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES		ALASKA	
Koe		6'x65' STEEL GANGWAY DETAILS	
DESIGNED TS	CHECKED JDB	DRAWN TS	DATE
PROJECT NUMBER 69713	SHEET 4		OF 6



PLAN VIEW

PLAN VIEW

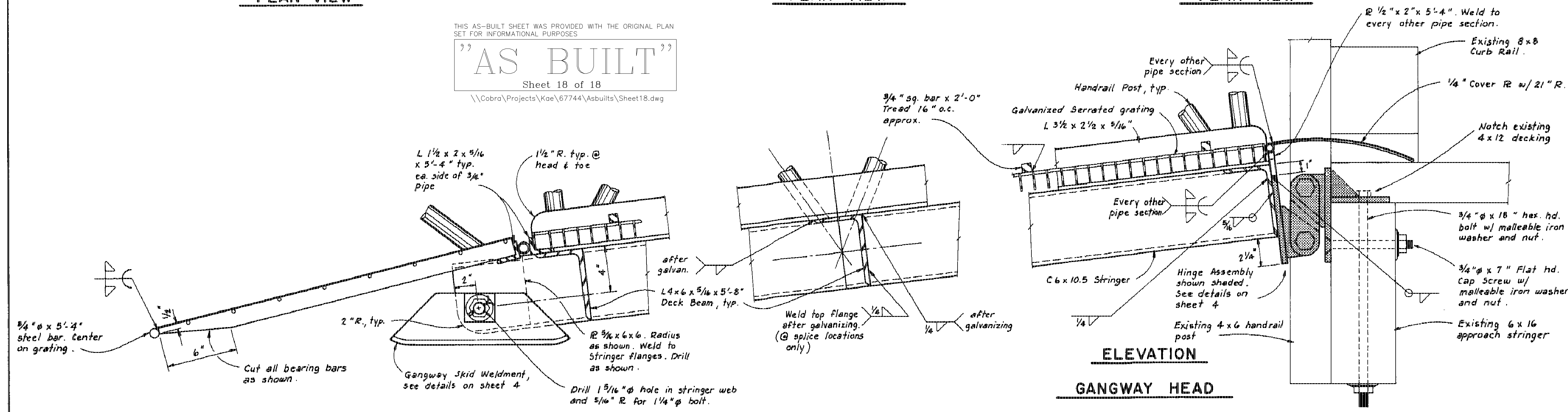
PLAN VIEW

THIS AS-BUILT SHEET WAS PROVIDED WITH THE ORIGINAL PLAN SET FOR INFORMATIONAL PURPOSES

**AS BUILT**

Sheet 18 of 18

\\Cobra\Projects\Kae\67744\Asbuilts\Sheet18.dwg



ELEVATION

ELEVATION

ELEVATION

GANGWAY TOE WITH TRANSITION WELDMENT

TYPICAL SPLICE AND TYPICAL DECK BEAM

GANGWAY HEAD

STATE OF ALASKA		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES		Kake Alaska	
<b>GANGWAY DETAILS</b>			
DESIGNED TS	CHECKED JDB	DRAWN TS	DATE
PROJECT NUMBER 69713		SHEET 5	OF 6