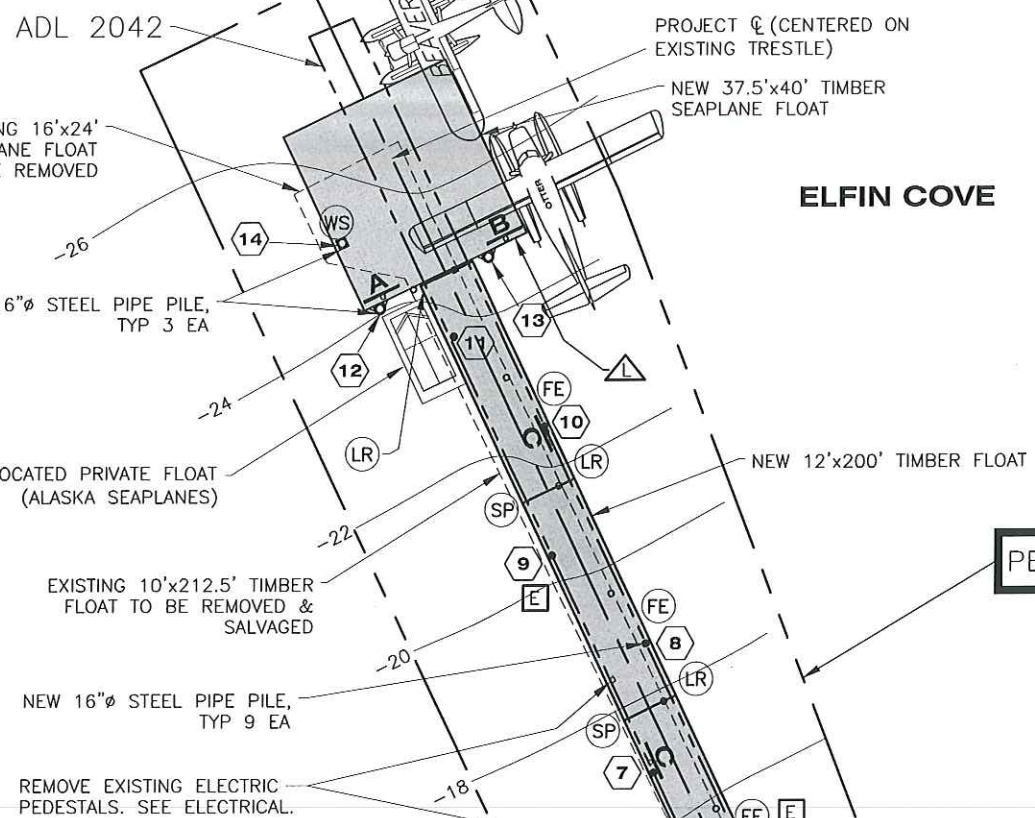
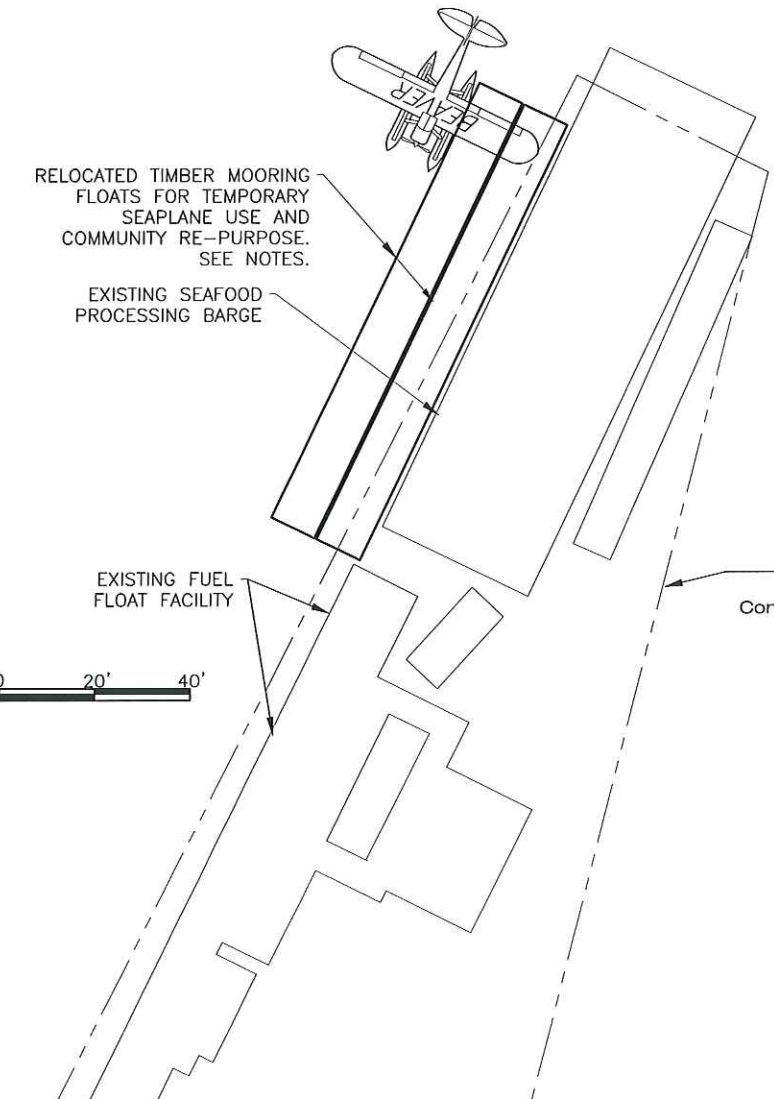
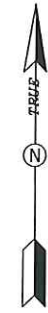


LEGEND:

- EXISTING TIMBER PILE
- NEW PILE
- (SP) FLOAT SPLICE
- (LR) LIFE RING CABINET
- (FE) FIRE EXTINGUISHER CABINET
- (#) NEW PILE ID
- PROPERTY LINE
- (WS) WIND SOCK
- # SIGN LETTER FACE OF SIGN
- (E) RELOCATED ELECTRIC PEDESTAL
- (L) SAFETY LADDER



GENERAL NOTES:

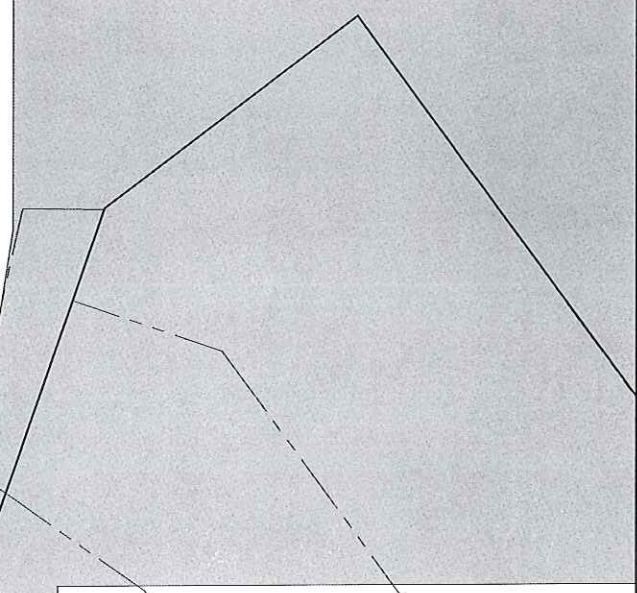
1. CONTRACTOR SHALL SALVAGE THE EXISTING 10' WIDE MOORING FLOAT, SEPARATE INTO 2 EA, 100' LONG SECTIONS AND MOOR ADJACENT TO EXISTING BARGE AS NOTED ON DRAWINGS. ALSO REFERENCE SECTION 202 OF THE SPECIAL PROVISIONS.

PROJECT SURVEY CONTROL NOTES:

1. BASIS OF HORIZONTAL CONTROL IS THE CENTERLINE OF THE EXISTING TRESTLE AND MAIN MOORING FLOAT TO BE REPLACED. AS-BUILT EXISTING CENTERLINE AND DETERMINE AVERAGE OR BEST FIT BEARING LINE. USE THIS BEARING LINE FOR NEW CENTERLINE CONTROL. OBTAIN THIS DATA AND COORDINATE WITH THE ENGINEER PRIOR TO REMOVING ANY EXISTING FLOAT STRUCTURES AND CONDUCTING ANY NEW FLOAT INSTALLATION WORK.
2. BASIS OF VERTICAL CONTROL IS THE ELEVATION OF THE EXISTING PILE SUPPORTED TRESTLE DECK IN THE VICINITY OF THE GANGWAY APPROACH. ASSUMED ELEVATION = +20' MLLW.

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE *Dane Pahr* Date 7/12/16

CHICHAGOF ISLAND



ATS 1605 TRACT B
LESSEE: ELFIN COVE LODGE LLC
LESSOR: STATE OF ALASKA

ATS 443
Community of Elfin Cove

ATS 1605 TRACT C
LESSEE: ELFIN COVE LODGE LLC
LESSOR: STATE OF ALASKA

ATS 1605 TRACT A
LESSEE: ELFIN COVE LODGE LLC
LESSOR: STATE OF ALASKA

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

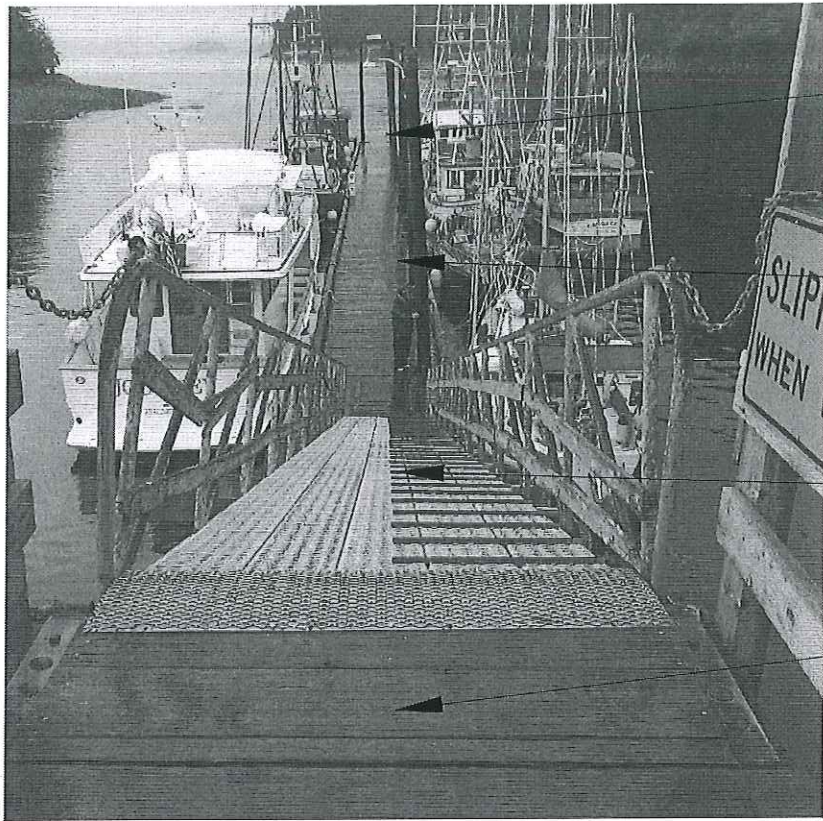
DESIGNED BY: K. MILLER

 CHECKED BY: K. MILLER
 DRAWN BY: STAFF

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHCOST REGION
ELFIN COVE OUTER HARBOR IMPROVEMENTS
SITE PLAN

PATH: Q:\SFA\83504\MF\PLANSET ELFIN COVE\FINAL\03-SITE PLAN.DWG			YEAR		SHEET NO.	TOTAL SHEETS
TAB: 03 Wednesday, August 12, 2015 4:35:43 PM			KELLY, RYAN (DOT)			
REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION	83982	2015	03	22

SITE PLAN



REMOVE EXISTING SEAPLANE FLOAT

REMOVE EXISTING HARBOR FLOATS & PILING

REMOVE EXISTING GANGWAY

SHORTEN AND MODIFY EXISTING TRESTLE



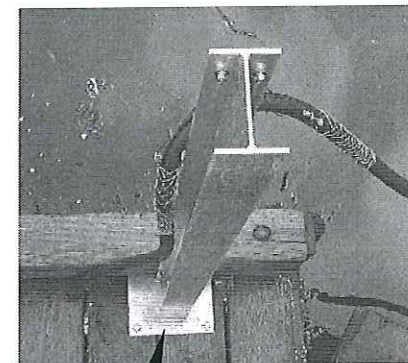
REMOVE AND REPLACE EXISTING 3x8 DIAGONAL BRACING AT BENT 13. ATTACH W/ 3/4" Ø ECON HD BOLTS, 1/2" WASHERS, & NUTS (APPROX. PILE DIAMETER = 17")



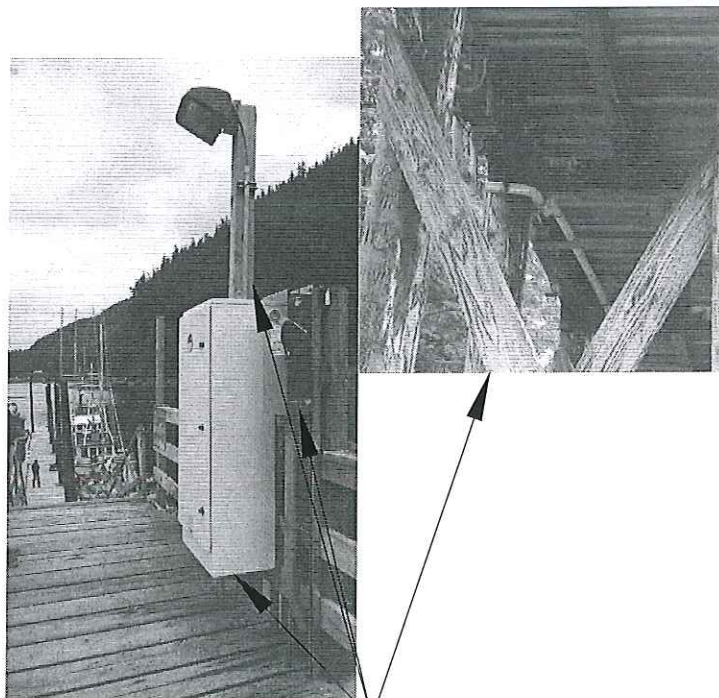
RELOCATE EXISTING FLOAT - SEE SITE PLAN FOR LOCATION

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE Dane Palz Date 7/12/16

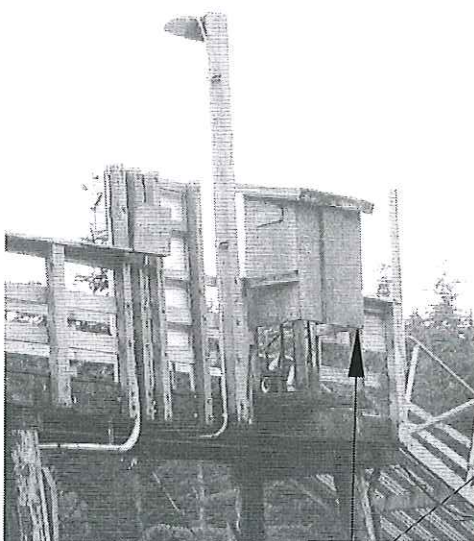
Damaged diagonal bracing replaced @ Bents 11, 12, and 14



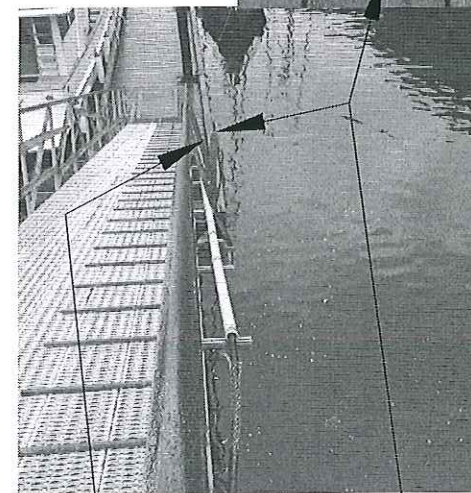
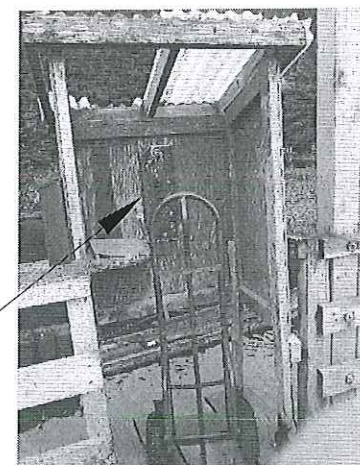
REMOVE - & SALVAGE EXISTING ELECTRICAL PEDESTALS (2 EA) - SEE ELECTRICAL FOR LOCATIONS



REMOVE/RELOCATE EXISTING ELECTRICAL ITEMS. REF SHT 5 & ELECTRICAL DWGS.



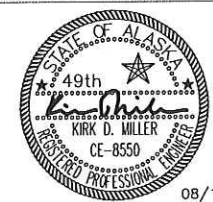
REMOVE ABANDONED PHONE BOOTH



REMOVE EXISTING ELECTRICAL COMPONENTS AND CABLES ON FLOAT AND GANGWAY.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: K. MILLER
 CHECKED BY: K. MILLER
 DRAWN BY: STAFF
 DATE: 08/12/15



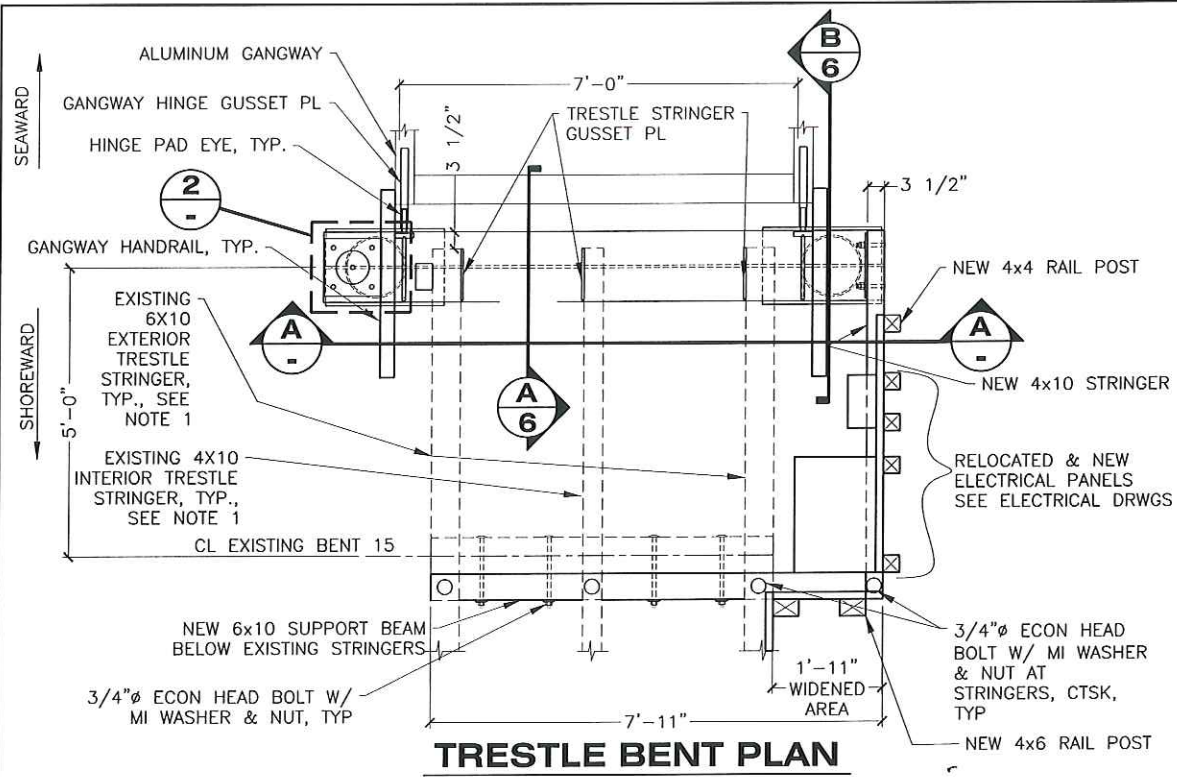
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHCOAST REGION

ELFIN COVE OUTER HARBOR IMPROVEMENTS

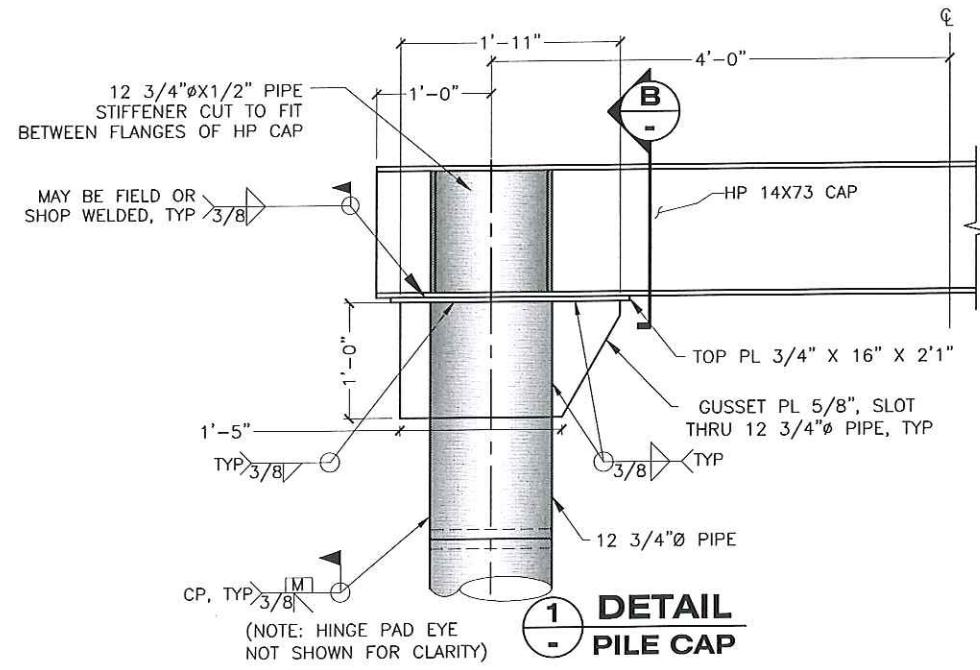
DEMOLITION AND MODIFICATIONS

PATH: Q:\SEA\83504\MF\PLANSET ELFIN COVE\FINAL\04 -DEMOLITION AND REPAIRS.DWG
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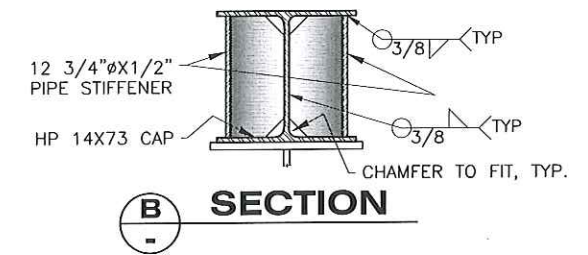
REVISIONS		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE				
		83982	2015	04	22



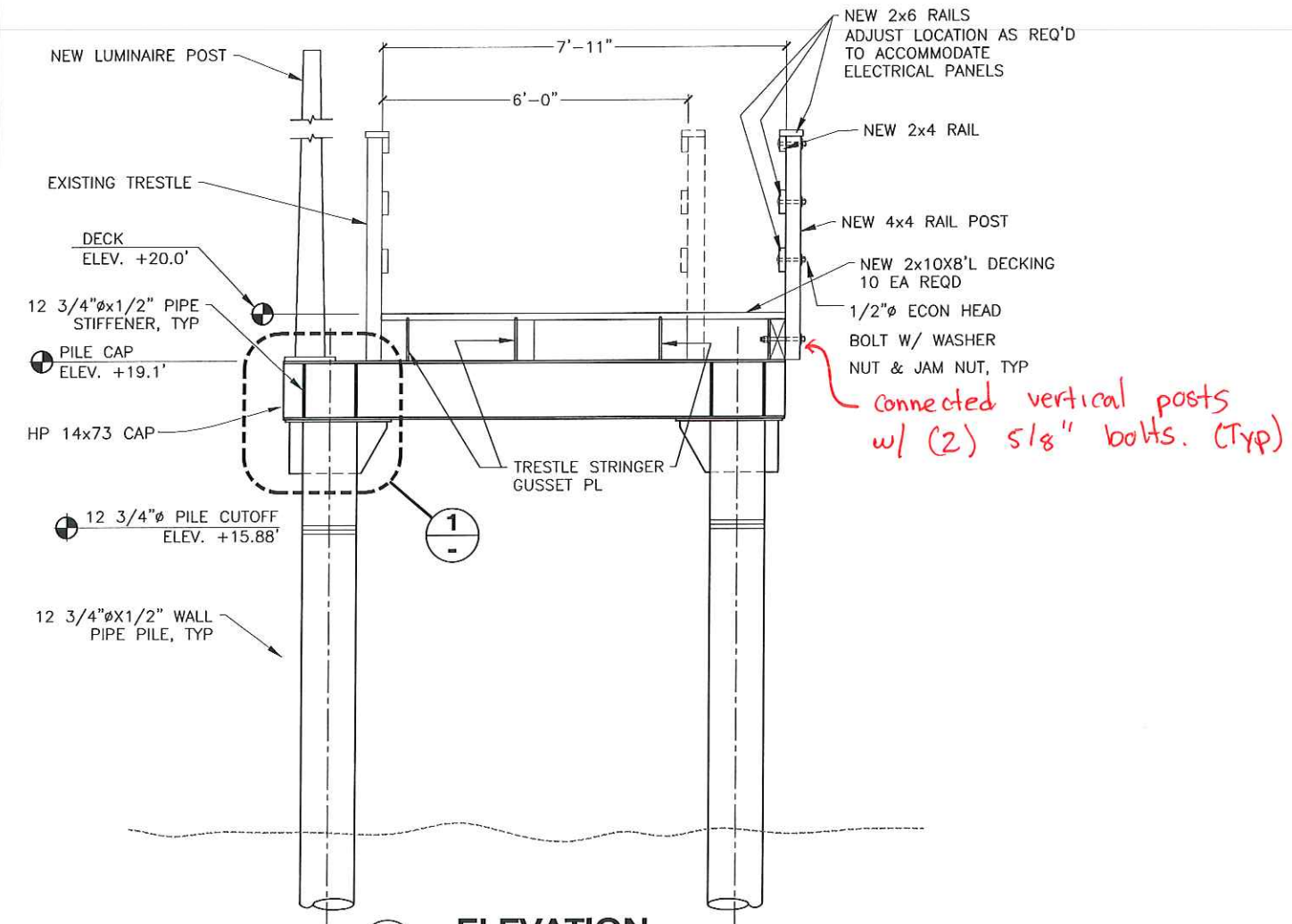
TRESTLE BENT PLAN



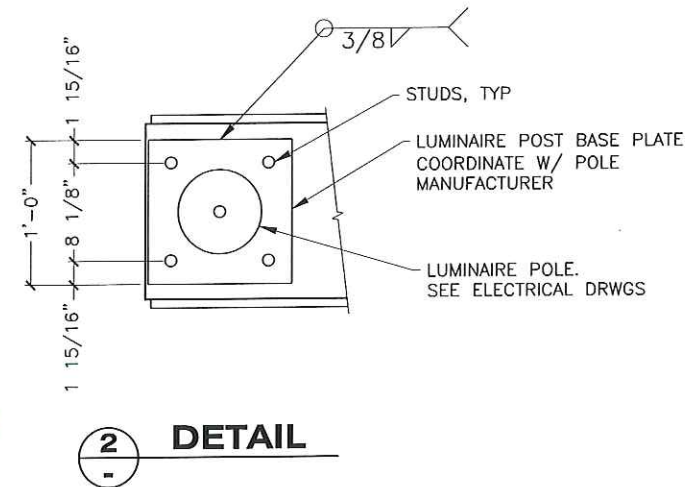
1 - PILE CAP



B - SECTION



A - ELEVATION TRESTLE BENT
(GANGWAY NOT SHOWN FOR CLARITY)



2 - DETAIL


Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE *Dave Rubin* Date *7/12/16*

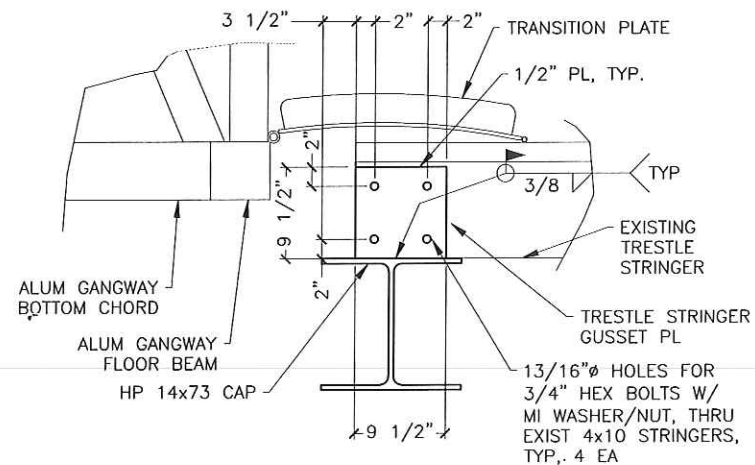
connected vertical posts w/ (2) 5/8" bolts. (Typ)

TRESTLE NOTES:

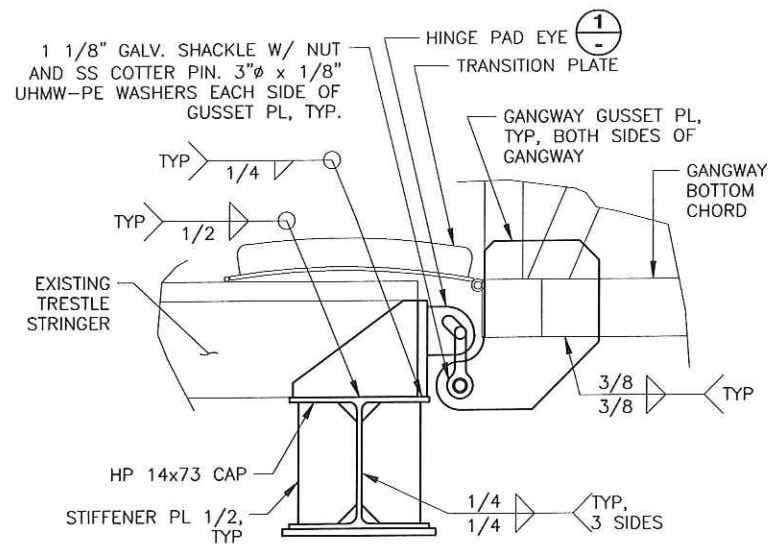
1. PROVIDE NEW 2x12x7'-11" DECKING AT WIDENED END OF TRESTLE.
2. REMOVE SECTION OF EXISTING TRESTLE HANDRAIL AND POSTS AS REQUIRED TO INSTALL THE TRESTLE. REMOVED SECTIONS OF HANDRAIL AND HANDRAIL POSTS MAY BE USED AT WIDENED SECTION OF TRESTLE END.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

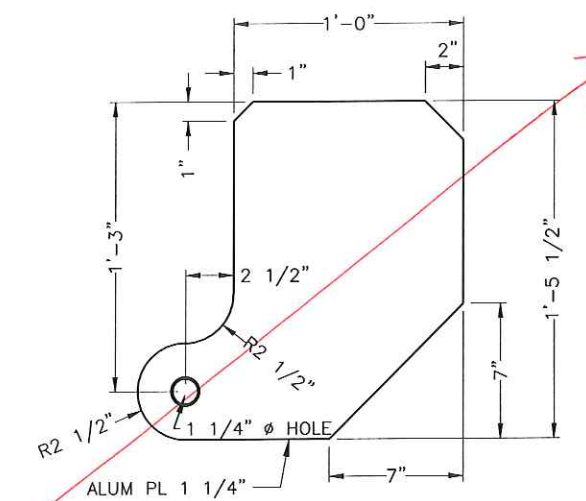
DESIGNED BY: K. MILLER  CHECKED BY: K. MILLER DRAWN BY: STAFF	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOAST REGION ELFIN COVE OUTER HARBOR IMPROVEMENTS NEW TRESTLE BENT														
PATH: Q:\SEA\83504\MF\PLANSET ELFIN COVE\FINAL\05-06-NEW TRESTLE BENT.DWG TAB: 05 Wednesday, August 12, 2015 4:37:32 PM KELLY, RYAN (DOT)															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>REVISIONS DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DATE	REVISIONS DESCRIPTION				<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>PROJECT DESIGNATION</th> <th>YEAR</th> <th>SHEET NO.</th> <th>TOTAL SHEETS</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">83982</td> <td style="text-align: center;">2015</td> <td style="text-align: center;">05</td> <td style="text-align: center;">22</td> </tr> </tbody> </table>	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS	83982	2015	05	22
NO.	DATE	REVISIONS DESCRIPTION													
PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS												
83982	2015	05	22												



A
6 SECTION



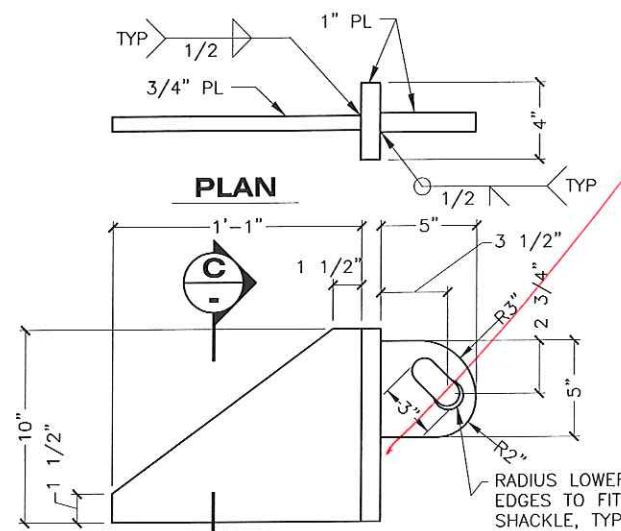
B
6 SECTION



GANGWAY HINGE GUSSET PL

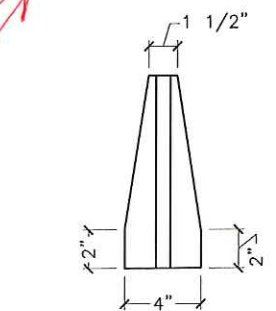
NOTE: ALTERNATE GANGWAY CONNECTION DETAILS MAY BE PROPOSED BY THE GANGWAY MANUFACTURER. REFERENCE NOTES ON SHEET 7. COORDINATE ANY CHANGES ON FABRICATION DRAWINGS FOR TRESTLE BENT.

See following page for substituted hinge connection.



1
1 ELEVATION DETAIL HINGE PAD EYE

see following page.




C SECTION

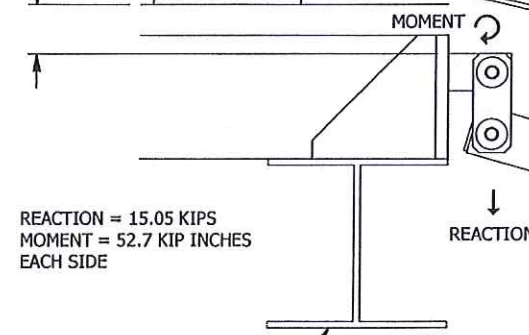
Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE *Dave Miller* Date *7/12/14*

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: K. MILLER	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOST REGION				
 KIRK D. MILLER CE-8550 REGISTERED PROFESSIONAL ENGINEER	ELFIN COVE OUTER HARBOR IMPROVEMENTS		TRESTLE BENT DETAILS		
	08/12/15				
CHECKED BY: K. MILLER	PROJECT DESIGNATION				
DRAWN BY: STAFF	YEAR				
PATH: Q:\SEA\B3504\MF\PLANSET ELFIN COVE\FINAL\05-06-NEW TRESTLE BENT.DWG	SHEET NO.				
TAB: 06 Wednesday, August 12, 2015 4:38:04 PM KELLY, RYAN (DOT)	TOTAL SHEETS				
NO. DATE DESCRIPTION		83982	2015	06	22

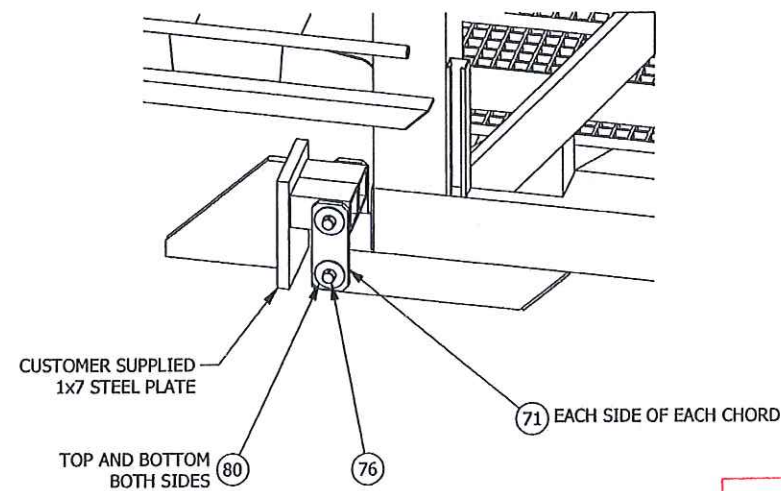
4 TOP OF DECK
TO TOP OF SHORE MOUNT



REACTION = 15.05 KIPS
MOMENT = 52.7 KIP INCHES
EACH SIDE

REACTION

DESIGN OF SUPPORT BEAM BY OTHERS
ELEVATION VIEW @ LOW WATER

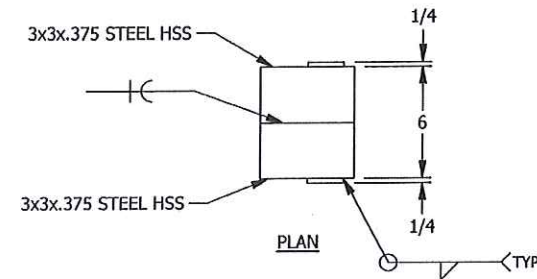
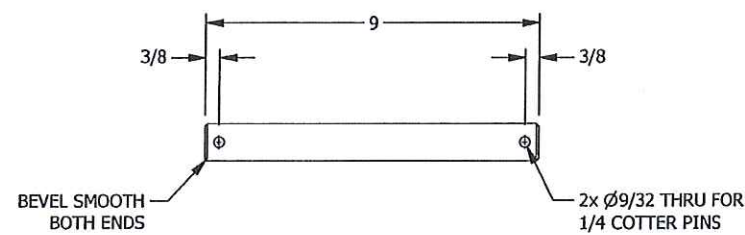
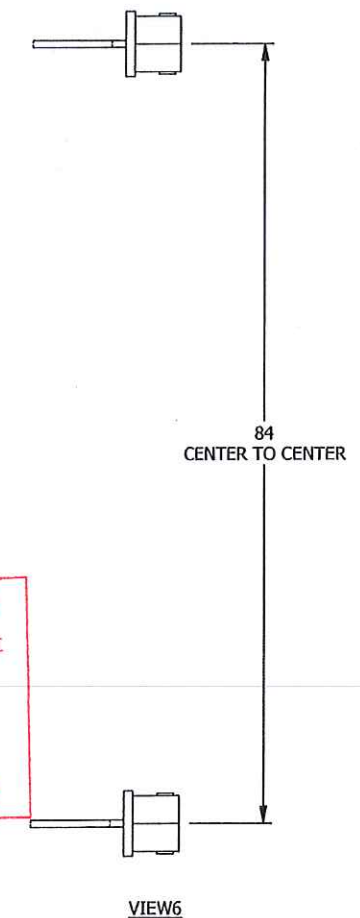


CUSTOMER SUPPLIED
1x7 STEEL PLATE

TOP AND BOTTOM
BOTH SIDES (80) (76)

(71) EACH SIDE OF EACH CHORD

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE *Dim* Date *7/12/14*



3x3x.375 STEEL HSS

1/4

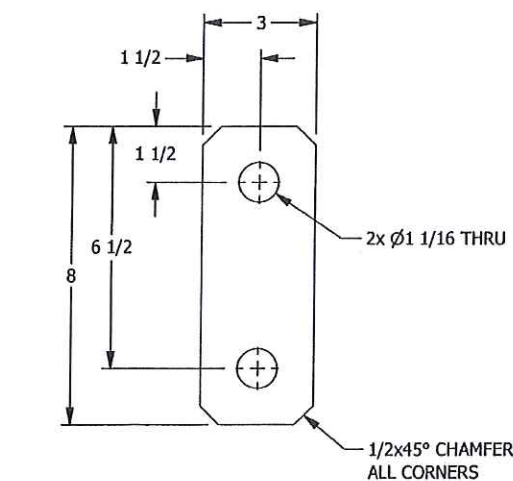
6

1/4

PLAN

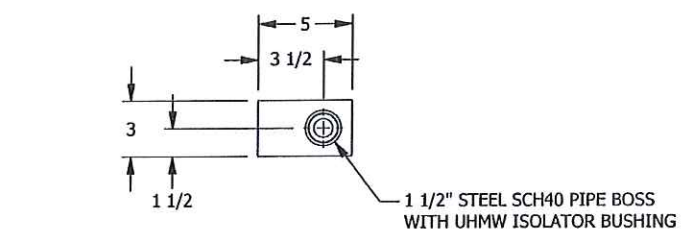
TYP

VIEW6



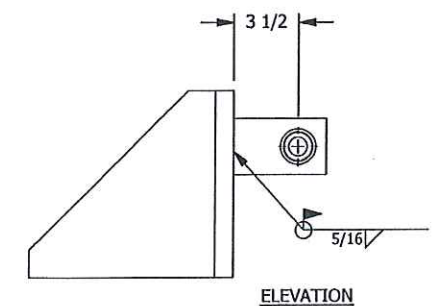
2x Ø1 1/16 THRU

1/2x45° CHAMFER
ALL CORNERS



ELEVATION

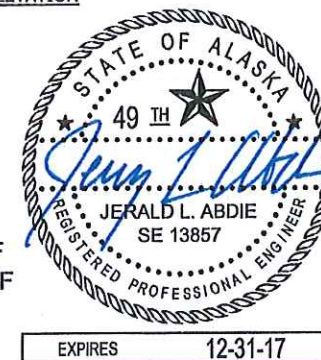
1 1/2" STEEL SCH40 PIPE BOSS
WITH UHMW ISOLATOR BUSHING



ELEVATION

- NOTES
- UNLESS OTHERWISE SPECIFIED:
- DIMENSIONS ARE IN INCHES.
- WELD SIZE IS EQUAL TO THICKNESS OF THINNER PART WELDED, MAX 5/16".
 - GALVANIZE STEEL TO ASTM A123.
 - REFERENCE DWG 201 FOR PARTS LIST.

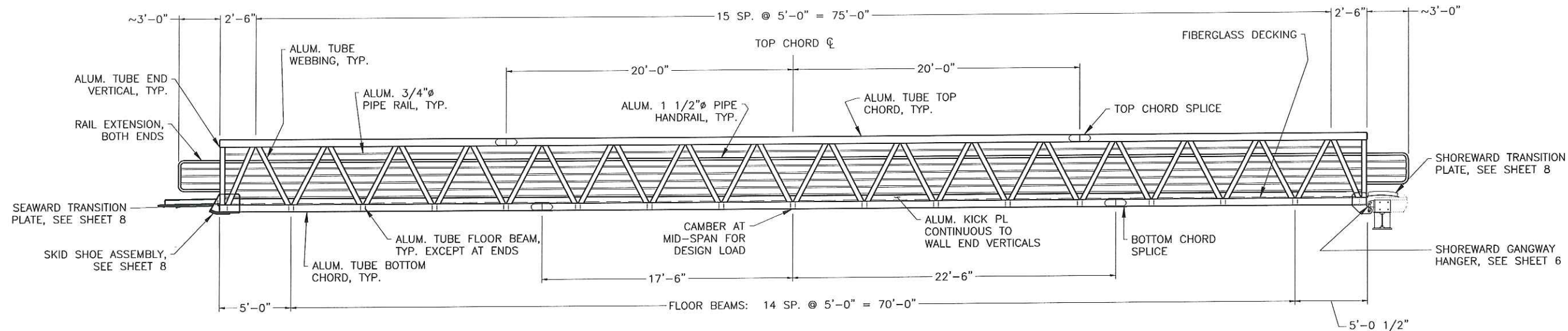
PREPARED UNDER SUPERVISION OF
KPF CONSULTING ENGINEERS. KPF
IS NOT RESPONSIBLE FOR FIELD
DIMENSIONS



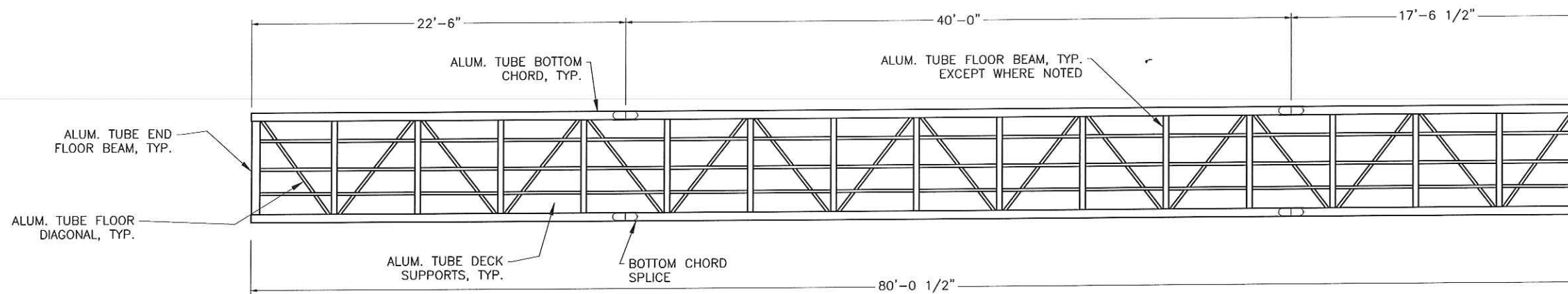
TOPPER
INDUSTRIES INC.
PO BOX 2050 WOODLAND, WA 98674
(360) 841-8320 (800) 332-DOCK
FAX (360) 841-8021 3625

PROPRIETARY DESIGNS AND DATA THAT ARE THE SOLE PROPERTY OF TOPPER INDUSTRIES, INC. ARE INCLUDED IN THIS DRAWING.
DATA AND INFORMATION CONTAINED HEREIN SHALL, OUTSIDE OF THE RECIPIENT COMPANY, NOT BE USED FOR ANY PURPOSE EXCEPT AS SPECIFICALLY AUTHORIZED BY TOPPER INDUSTRIES, INC.

NO.	DATE	BY	CHK	REVISION DESCRIPTION
0	1/15/2016	JC	DTL	FOR REVIEW
6'-6"x80" GANGWAY SHORE MOUNT DETAILS ELFIN COVE TRUCANO CONSTRUCTION COMPANY ELFIN COVE, AK				
SIZE B	DWG NO.	6850-400		



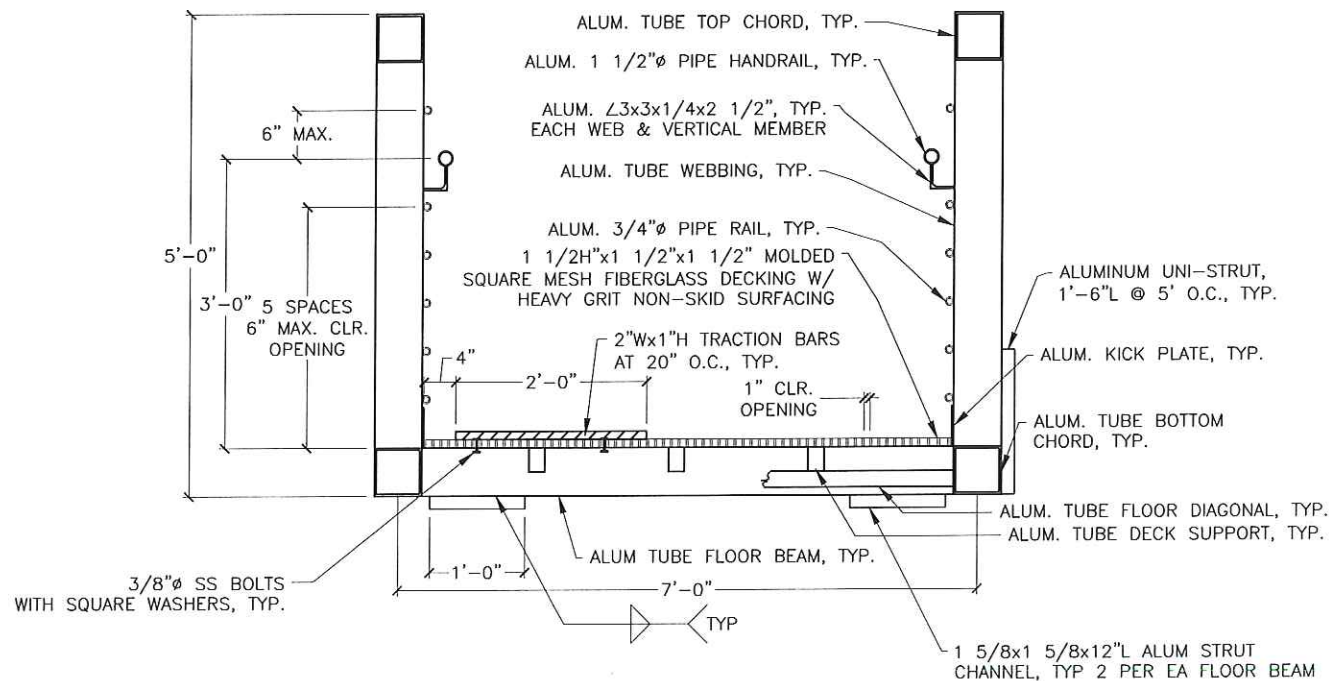
ELEVATION



FLOOR FRAMING PLAN

See following page for substituted gangway design.

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE *Dennis* Date 7/12/16



TYPICAL SECTION

GENERAL
 ALL GANGWAY DETAILS ARE NOT SHOWN. FINAL DESIGN OF GANGWAY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALTERNATIVES TO THE GENERAL FEATURES, ORIENTATION OF MEMBERS AND MATERIALS NOTED MAY BE PROPOSED FOR APPROVAL BY THE ENGINEER. SUPPORTING DOCUMENTATION AND STRUCTURAL CALCULATIONS SHALL BE PERFORMED BY A REGISTERED ENGINEER IN THE STATE OF ALASKA. DETAILED SHOP DRAWINGS AND CALCULATIONS SHALL BE PROVIDED FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.

DESIGN CRITERIA:
 ALL DESIGN AND FABRICATION SHALL BE PERFORMED IN ACCORDANCE WITH THE FOLLOWING CODES:

1. ALUMINUM DESIGN MANUAL, CURRENT EDITION
2. AASHTO GUIDE SPECIFICATIONS FOR THE DESIGN OF PEDESTRIAN BRIDGES, 2009
3. AISC STEEL CONSTRUCTION MANUAL (LATEST EDITION)
4. AWS D1.1 & D1.2, STRUCTURAL WELDING CODE (LATEST EDITION)
5. APPLICABLE ASTM STANDARDS

MATERIALS:
 ALUMINUM - SHAPES ASTM 6061-T6, PLATES ASTM 5086-H112

HARDWARE - ALL BOLTS AND HARDWARE SHALL BE STAINLESS STEEL ASTM T316 ALLOY OR A325 GALV. STEEL AS INDICATED ON THE DRAWINGS.


DECK GRATING - FIBERGLASS DECKING SHALL BE INSTALLED ACROSS THE FULL WIDTH OF THE GANGWAY AS NOTED ON THE DRAWINGS. DECK MATERIALS SHALL BE MOLDED SQUARE MESH AT THE SIZE SHOWN OR APPROVED EQUAL.

TRANSITION PLATES - TRANSITION PLATES SHALL BE FULL SIZE ALUMINUM SHEET STOCK WITH A "SLIP-NOT" FINISH OR OTHER NON-SKID SURFACE APPROVED EQUAL.

UHMW - ULTRA HIGH MOLECULAR WEIGHT PLASTIC SHALL BE MADE FROM MATERIALS CONFORMING TO ASTM 4020. MATERIAL SHALL BE CHEMICALLY CROSS LINKED, ULTRA-VIOLET LIGHT STABILIZED, AND SUITABLE FOR LONG TERM EXPOSURE. UHMW SHALL BE BLACK.

LOADS:
 DEAD LOADS - ALL
 LIVE LOADS - UNIFORM 90 PSF, CONCENTRATED 1,000 LBS.
 WIND LOAD - 100 MPH, EXPOSURE D
 SNOW LOAD (STORAGE) - 85 PSF
 VEHICLE - ATV (POLARIS RANGER 6X6 W/ 1500 LB PAYLOAD)

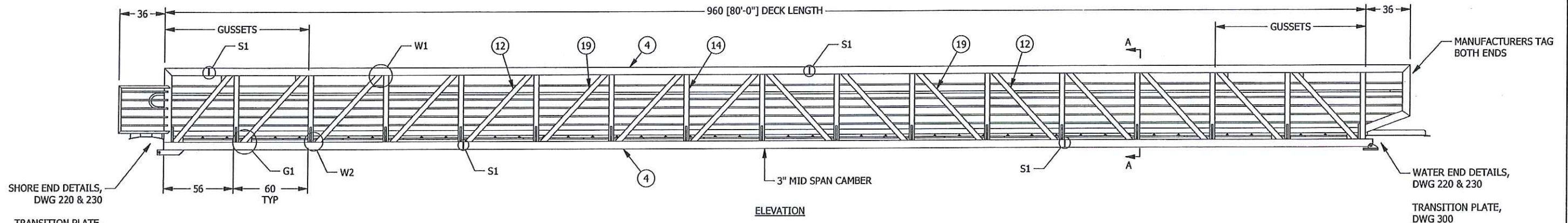
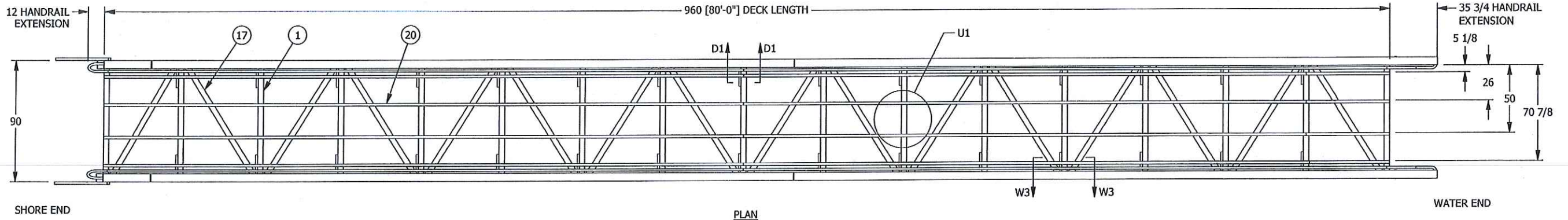
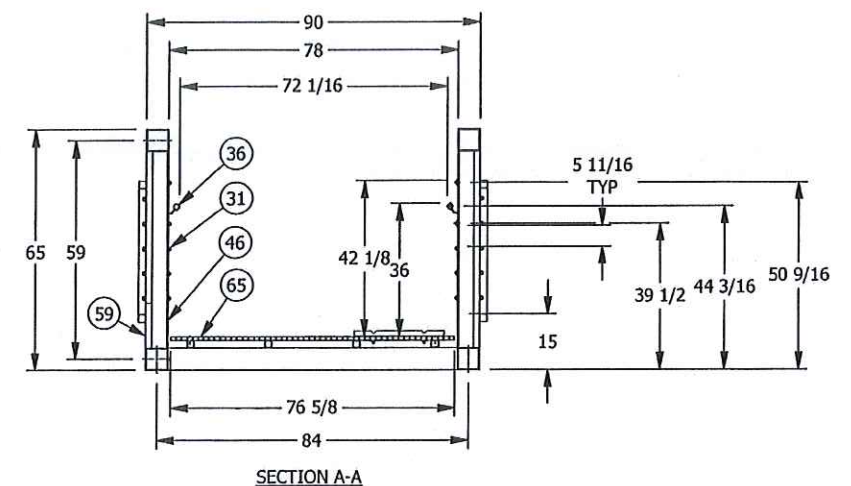
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: K. MILLER	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOST REGION		
 08/12/15	ELFIN COVE OUTER HARBOR IMPROVEMENTS		
	7'x80' ALUMINUM GANGWAY		
CHECKED BY: K. MILLER	YEAR	SHEET NO.	TOTAL SHEETS
DRAWN BY: STAFF	2015	07	22
PATH: Q:\SEA\83504\MF\PLANSET ELFIN COVE\FINAL\07-08- 7'x80' ALUMINUM GANGWAY.DWG TAB: 07 Wednesday, August 12, 2015 4:48:35 PM KELLY, RYAN (DOT)			
REVISIONS NO. DATE DESCRIPTION		PROJECT DESIGNATION 83982	

MAJOR COMPONENT LIST					
ITE	COMPONENT	DESCRIPTION	MATERIAL	SIZE	NOTE
1	BRIDGE	RECT TUBE	ALUMINUM	6x4x.250	
4	TOP/BOTTOM CHORDS	SQUARE TUBE	ALUMINUM	6x6x.250	
12	SIDE DIAGONAL	SQUARE TUBE	ALUMINUM	4x4x.250	BAYS 1-5, GUSSETS BAYS 1 & 2 BOTH ENDS
14	POST	SQUARE TUBE	ALUMINUM	4x4x.250	
17	BOTTOM DIAGONAL	SQUARE TUBE	ALUMINUM	4x4x.188	
19	SIDE DIAGONAL	SQUARE TUBE	ALUMINUM	4x4x.125	BAYS 6-8 EACH END
20	DECK SUPPORT	SQUARE TUBE	ALUMINUM	2x2x.125	
31	MIDRAIL	PIPE	ALUMINUM	3/4" SCH 40	ATTACHMENT DETAILS, DWG 220
36	HANDRAIL	PIPE	ALUMINUM	1 1/4" SCH 40	ATTACHMENT DETAILS, DWG 220
45	TOERAIL	FLAT BAR	ALUMINUM	1/4x4FB	ATTACHMENT DETAILS, DWG 220
65	DECK	DECK, MAXI GRID	FIBERGLASS	1x48	ATTACHMENT DETAILS, DWG 220

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE *D. Dumb* Date 7/12/16



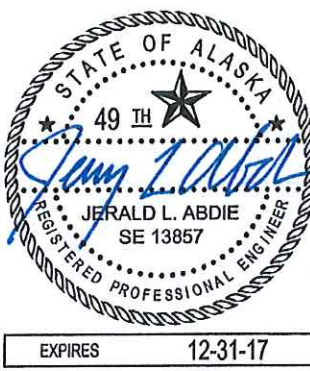
STRUCTURAL MATERIAL:
 ALUMINUM SHAPES: 6061-T6, MILL FINISH.
 ALUMINUM PLATES: 5052-H32
 STEEL PLATES: ASTM A36
 STEEL HSS: ASTM A500 GRADE B
 Fy = 46 KSI
 GALVANIZING: ASTM A123.

STRUCTURAL WELDING FABRICATION SHALL BE IN ACCORDANCE WITH THE AA SPECIFICATIONS FOR ALUMINUM STRUCTURES. WELD USING ALUMINUM FILLER METAL ER5356. FABRICATION, WELDING, WELDING PROCEDURES AND INSPECTION SHALL CONFORM TO AWS D1.2:2014 AND AWS D1.1:2010, AS APPLICABLE, UNLESS OTHERWISE NOTED.

NSW INDICATES NON STRUCTURAL WELD - SHOP INSPECTION ONLY, CWI INSPECTION NOT REQUIRED

UHMW INDICATES ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE SHALL BE MADE FROM CHEMICALLY CROSS LINKED, ULTRA-VIOLET LIGHT STABILIZED, SUITABLE FOR LONG TERM EXPOSURE, ASTM 4020. COLOR IS BLACK.

PREPARED UNDER SUPERVISION OF
 KPFF CONSULTING ENGINEERS. KPFF
 IS NOT RESPONSIBLE FOR FIELD
 DIMENSIONS



FABRICATION NOTES
 1. DIMENSIONS DO NOT INCLUDE END CAPS.
 2. PROVIDE 1/4\"/>

TOPPER INDUSTRIES INC.
 PO BOX 2050 WOODLAND, WA 98674 (360) 841-8320 (800) 332-DOCK 3625 FAX (360) 841-8021

PROPRIETARY DESIGNS AND DATA THAT ARE THE SOLE PROPERTY OF TOPPER INDUSTRIES, INC. ARE INCLUDED IN THIS DRAWING. DATA AND INFORMATION CONTAINED HEREIN SHALL, OUTSIDE OF THE RECIPIENT COMPANY, NOT BE USED FOR ANY PURPOSE EXCEPT AS SPECIFICALLY AUTHORIZED BY TOPPER INDUSTRIES, INC.

GENERAL STRUCTURAL NOTES

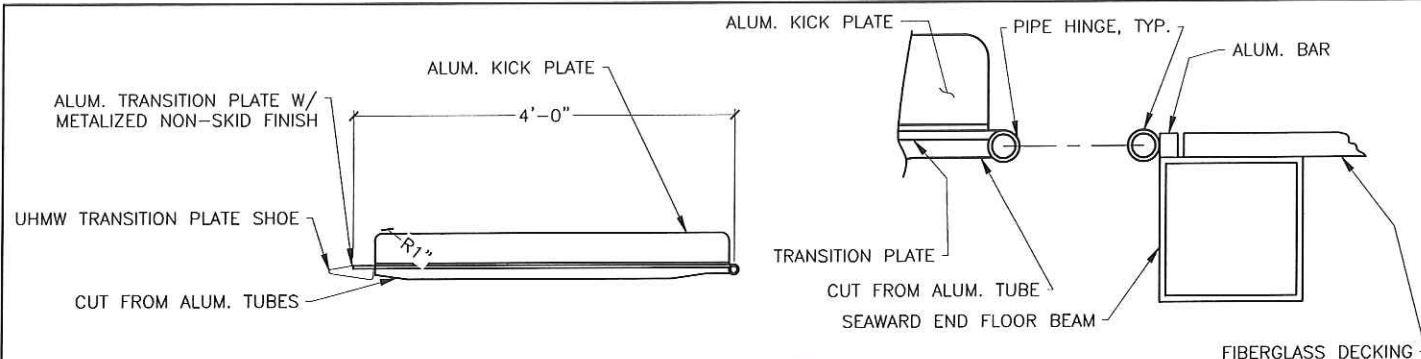
CONFORMS TO 2010 ADM AND 2009 AASHTO.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR STRUCTURAL STABILITY DURING CONSTRUCTION. THE STRUCTURE SHOWN ON THE DRAWINGS HAS BEEN DESIGNED FOR STABILITY IN THE FINAL CONFIGURATION ONLY.

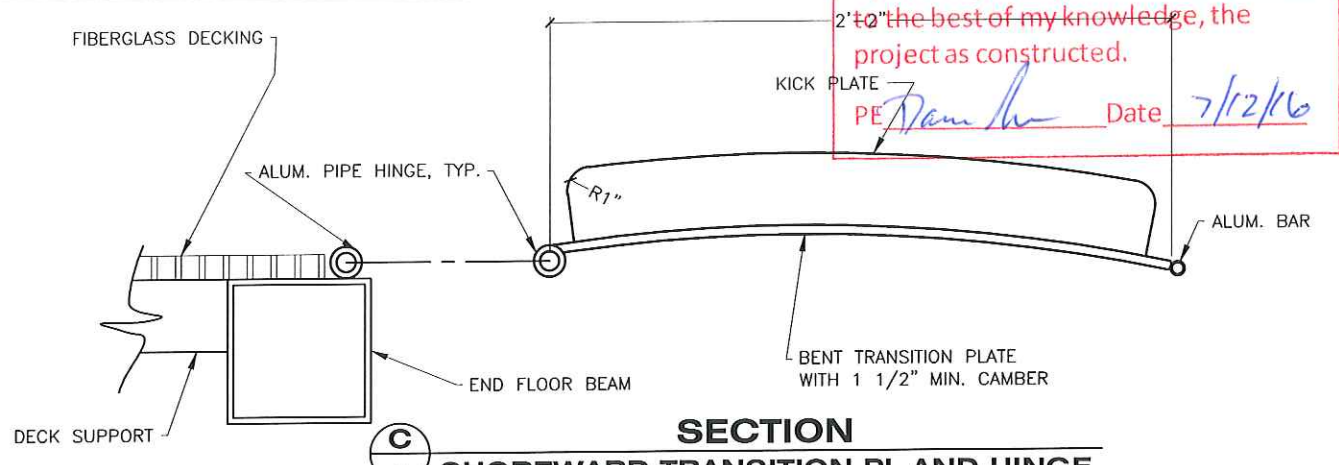
LIVE LOAD: 90 PSF (1000 LBS CONCENTRATED)
 VEHICLE LOAD: ATV (POLARIS RANGER 6X6 W/ 1500 LBS PALLYLOAD)
 SNOW LOAD: 85 PSF
 DEFLECTION: L/360
 WIND LOAD: 100 MPH EXPOSURE \"D\"

NO.	DATE	BY	CHK	REVISION DESCRIPTION
0	1/15/2016	JC	DTL	FOR REVIEW
6'-6\"/>				
TRUCANO CONSTRUCTION COMPANY ELFIN COVE, AK				
SIZE B	DWG NO.			6850-200

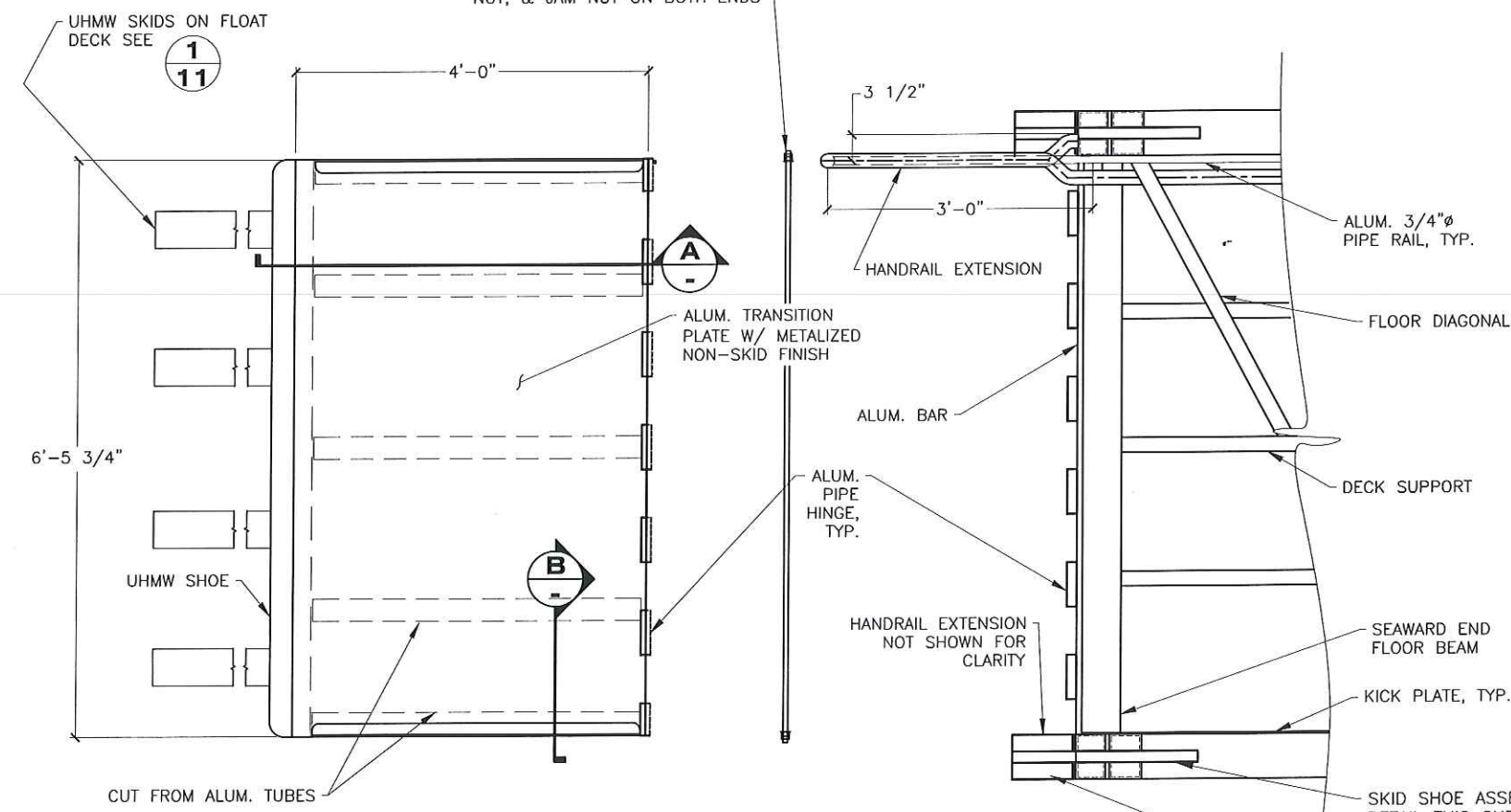
Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE *[Signature]* Date 7/12/16



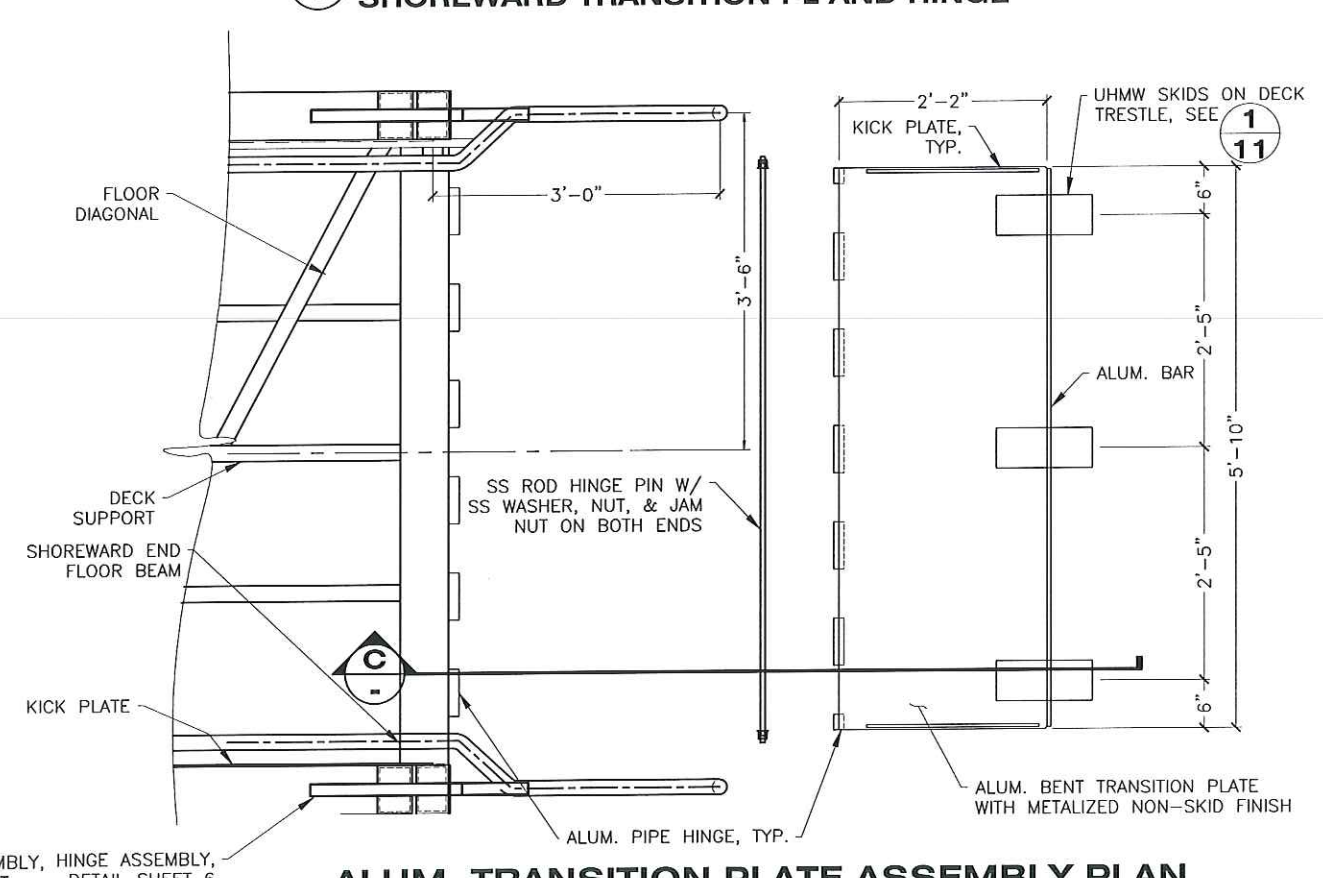
SECTION A
SEAWARD TRANSITION PL AND HINGE



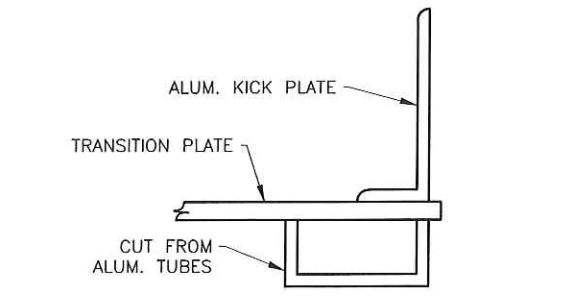
SECTION C
SHOREWARD TRANSITION PL AND HINGE



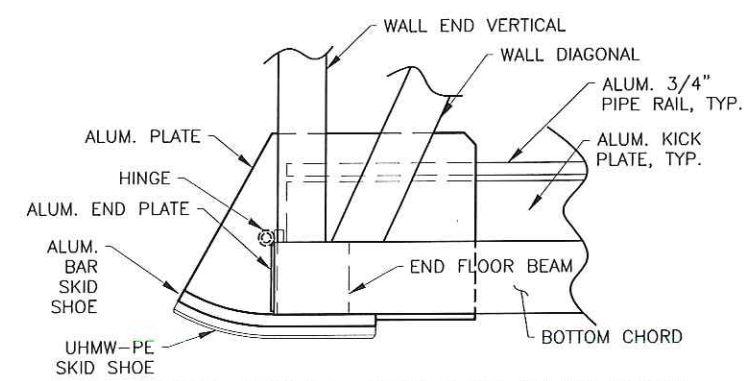
ALUM. TRANSITION PLATE ASSEMBLY PLAN (SEAWARD END)



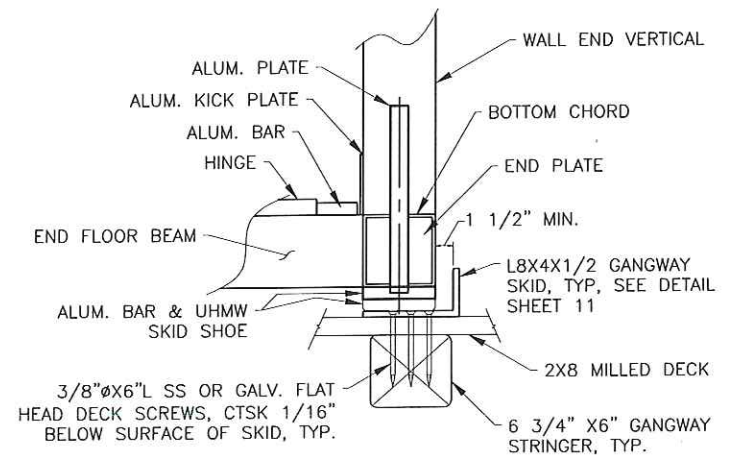
ALUM. TRANSITION PLATE ASSEMBLY PLAN (SHOREWARD END)



SECTION B
SEAWARD TRANSITION KICK PL



SKID SHOE SIDE ELEVATION



SKID SHOE FRONT ELEVATION

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: K. MILLER

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHWEST REGION

ELFIN COVE OUTER HARBOR IMPROVEMENTS

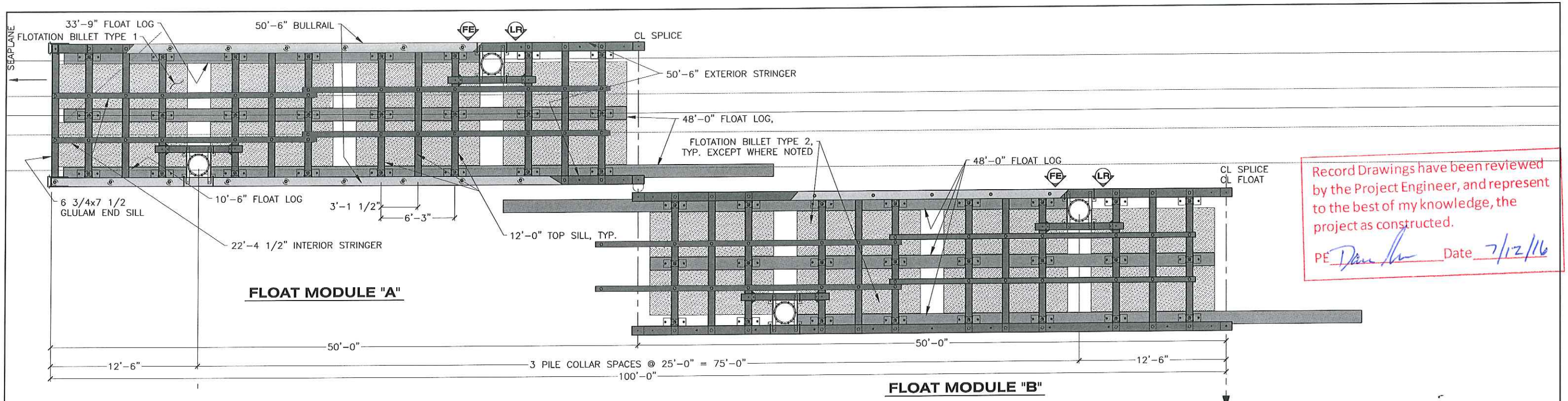
GANGWAY DETAILS

49th
 KIRK D. MILLER
 CE-8550
 REGISTERED PROFESSIONAL ENGINEER
 08/12/15

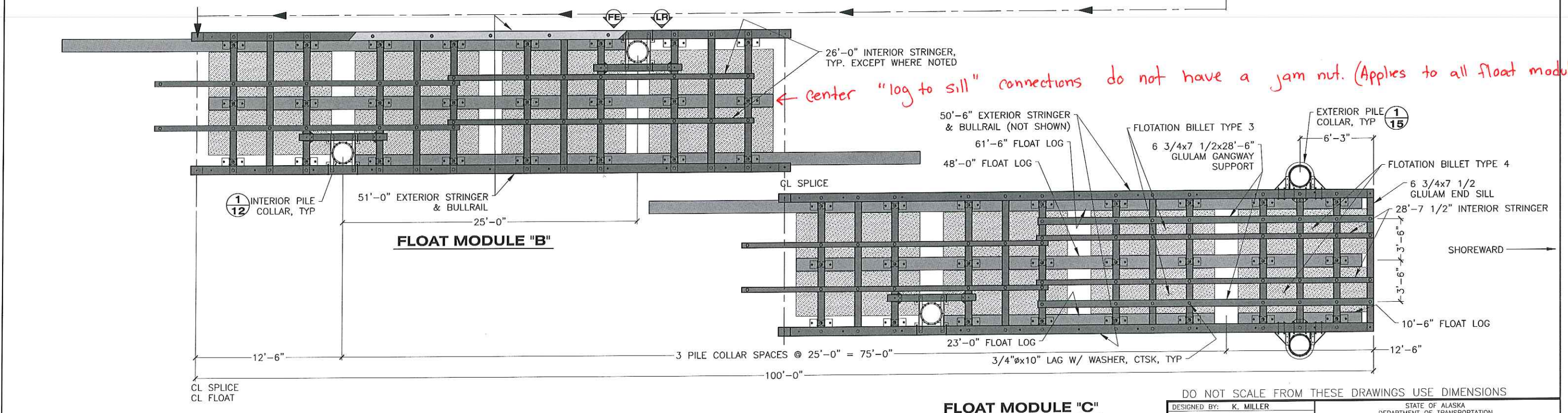
CHECKED BY: K. MILLER
 DRAWN BY: STAFF

PATH: Q:\SEA\83504\MF\PLANSET ELFIN COVE\FINAL\07-08- 7'X8' ALUMINUM GANGWAY.DWG
 TAB: 08 Wednesday, August 12, 2015 4:39:38 PM KELLY, RYAN (DOT)

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION	83982	2015	08	22



Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE *David Lee* Date 7/12/16



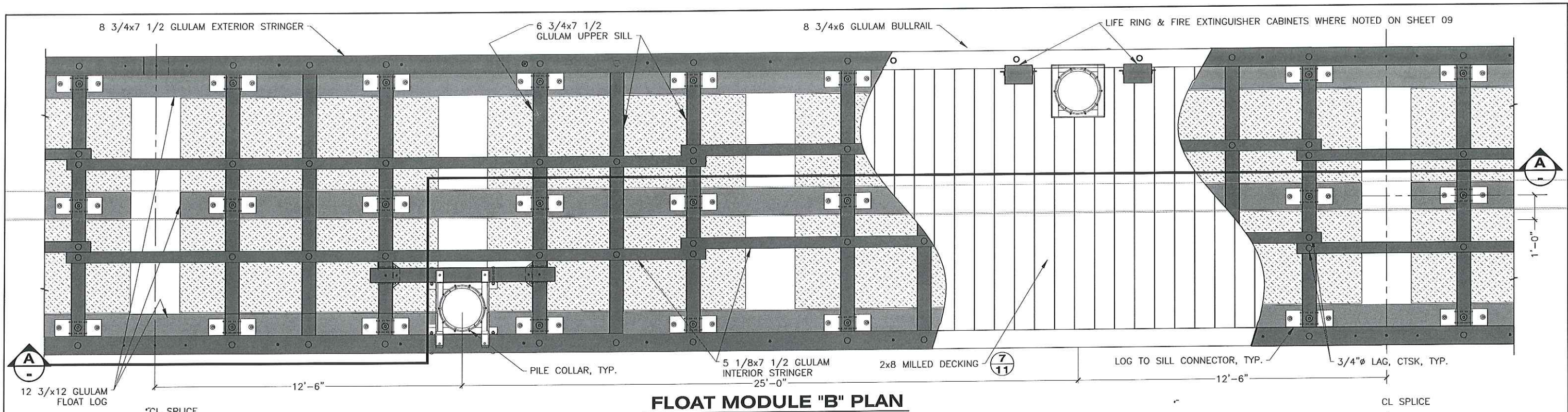
← Center "log to sill" connections do not have a jam nut. (Applies to all float modules.)

FLOAT MODULES

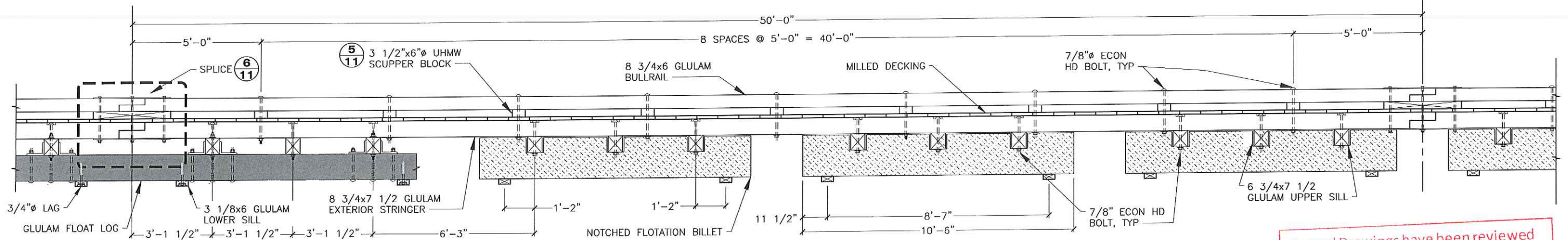
- LEGEND**
- LIFE RING CABINET, SEE SHEET 17
 - FIRE EXTINGUISHER CABINET, SEE SHEET 17

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

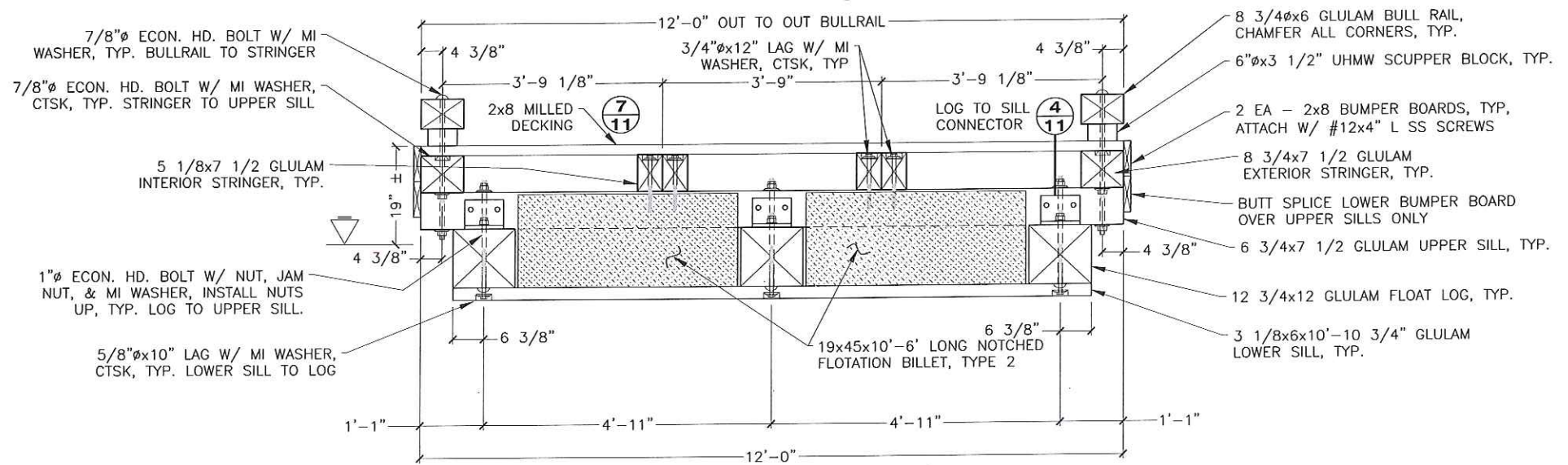
DESIGNED BY: K. MILLER		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOAST REGION																									
		ELFIN COVE OUTER HARBOR IMPROVEMENTS 12' x 200' FLOAT LAYOUT																									
					CHECKED BY: K. MILLER DRAWN BY: STAFF PATH: Q:\SEA\83504\MF\PLANS\ELFIN COVE\FINAL\09-10 - 200FT LOG FLOAT LAYOUT & MODU TAB: 09 Wednesday, August 12, 2015 4:40:19 PM KELLY, RYAN (DOT)																						
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REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS																					
NO.	DATE	DESCRIPTION																									
			83982	2015	09	22																					



FLOAT MODULE "B" PLAN



A ELEVATION



TYPICAL SECTION

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE *Daniel* Date 7/12/16

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: K. MILLER

CHECKED BY: K. MILLER

DRAWN BY: STAFF

DATE: 08/12/15

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHCOST REGION

ELFIN COVE OUTER HARBOR IMPROVEMENTS

TYPICAL 50' HARBOR FLOAT MODULE

PROJECT DESIGNATION: 83982

YEAR: 2015

SHEET NO.: 10

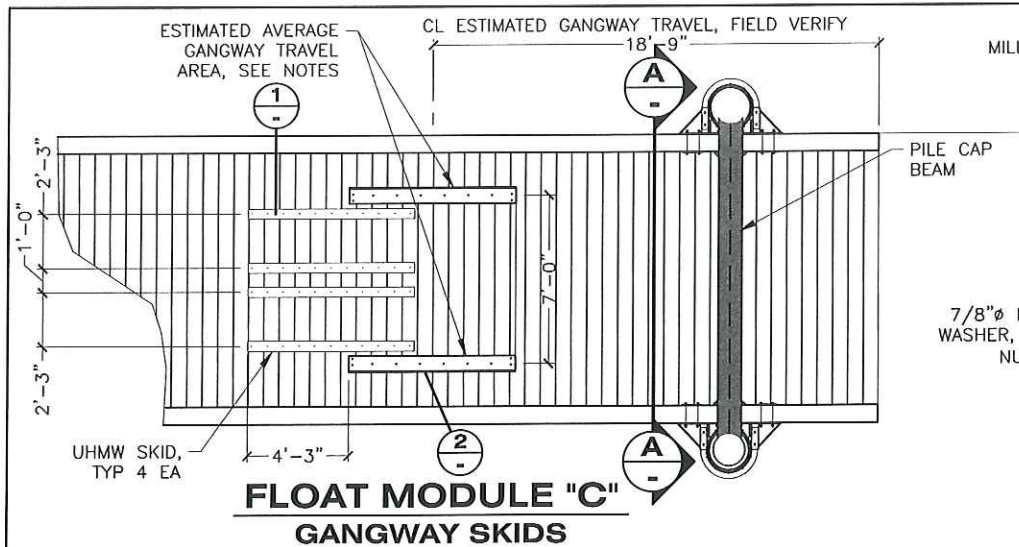
TOTAL SHEETS: 22

REVISIONS

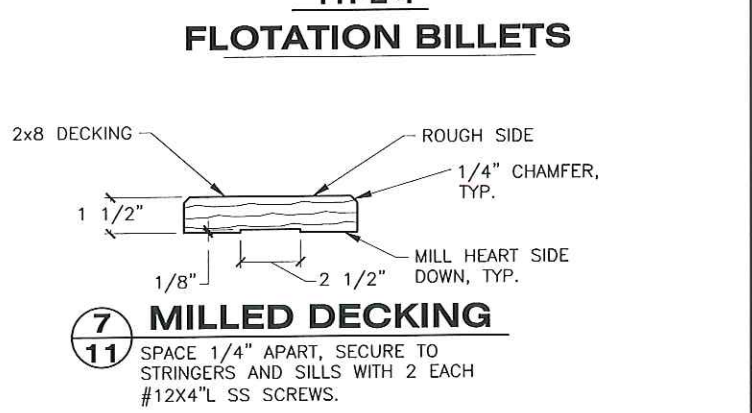
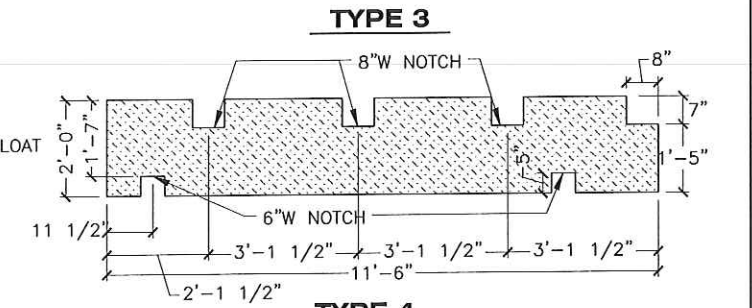
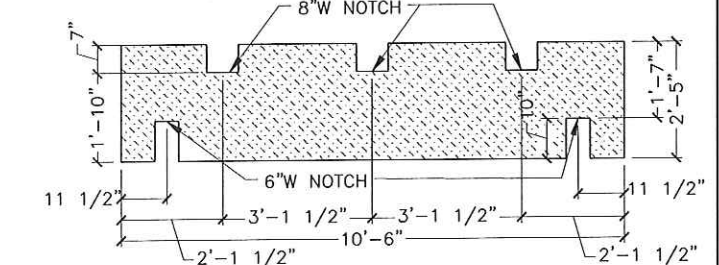
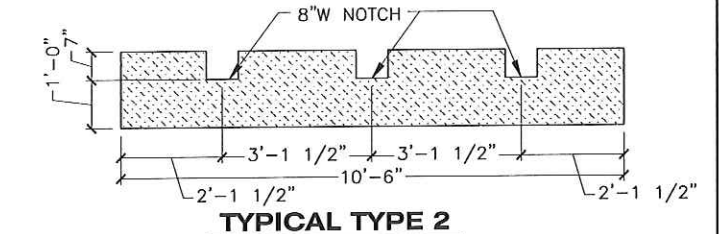
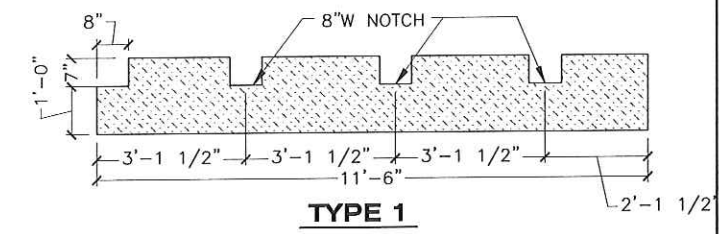
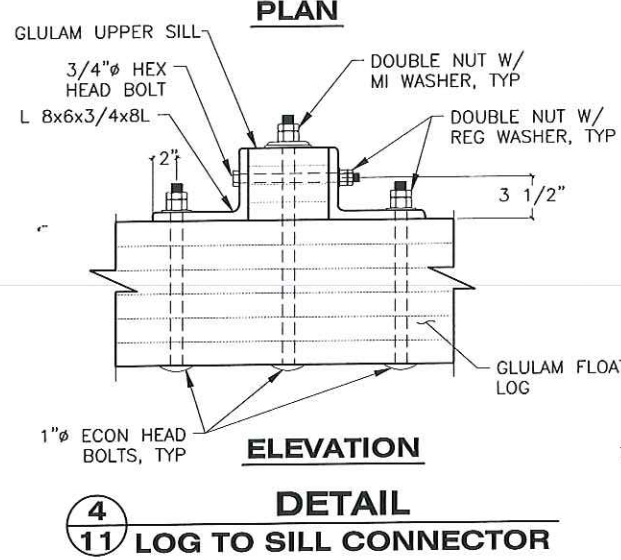
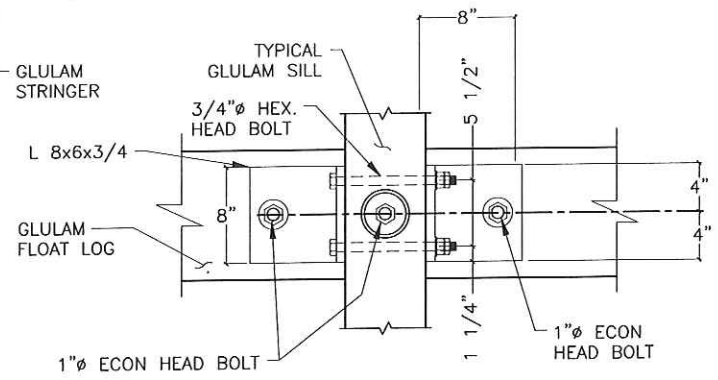
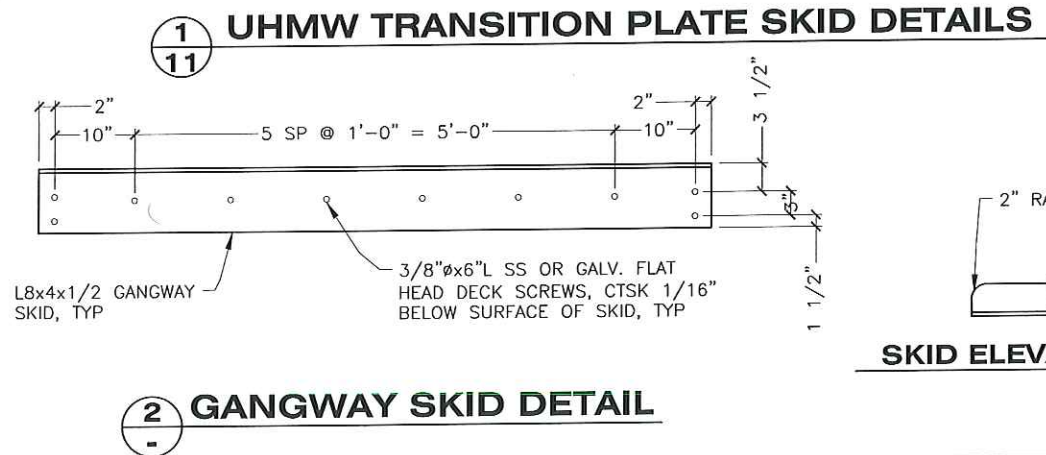
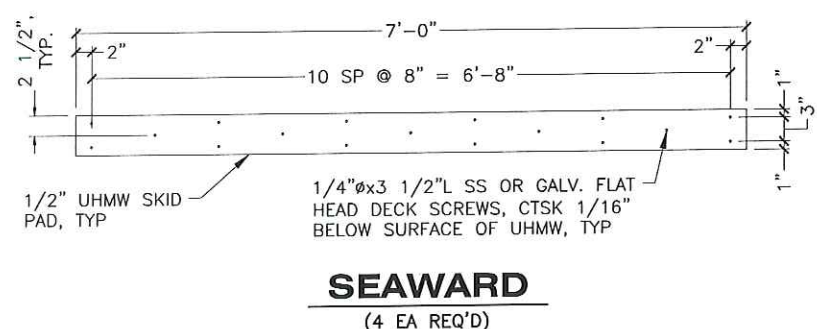
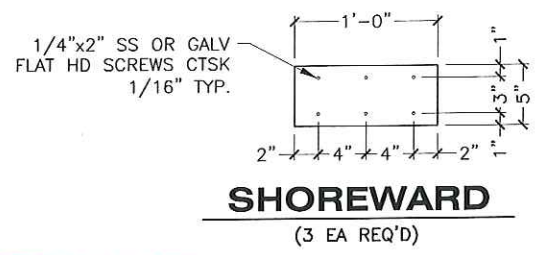
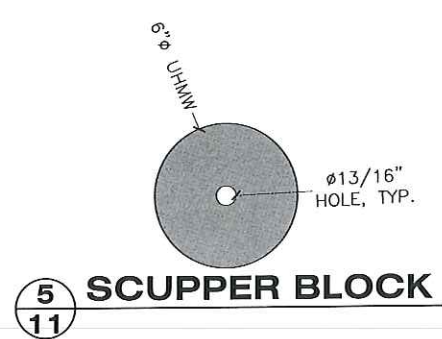
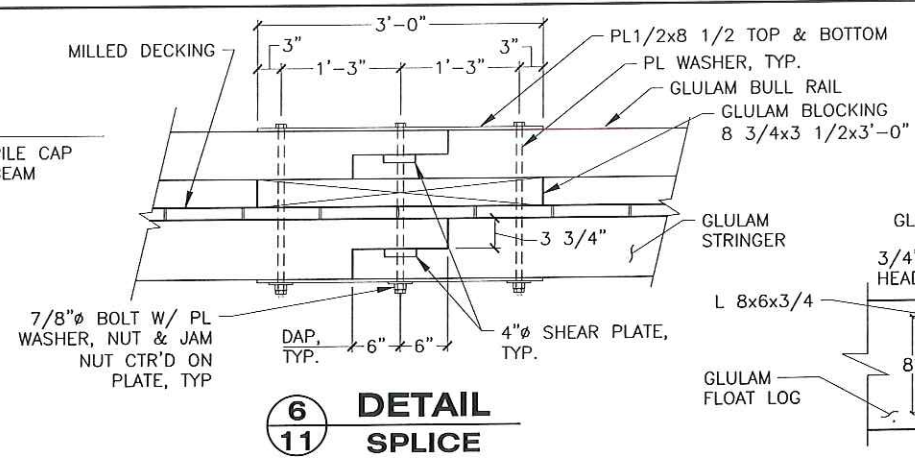
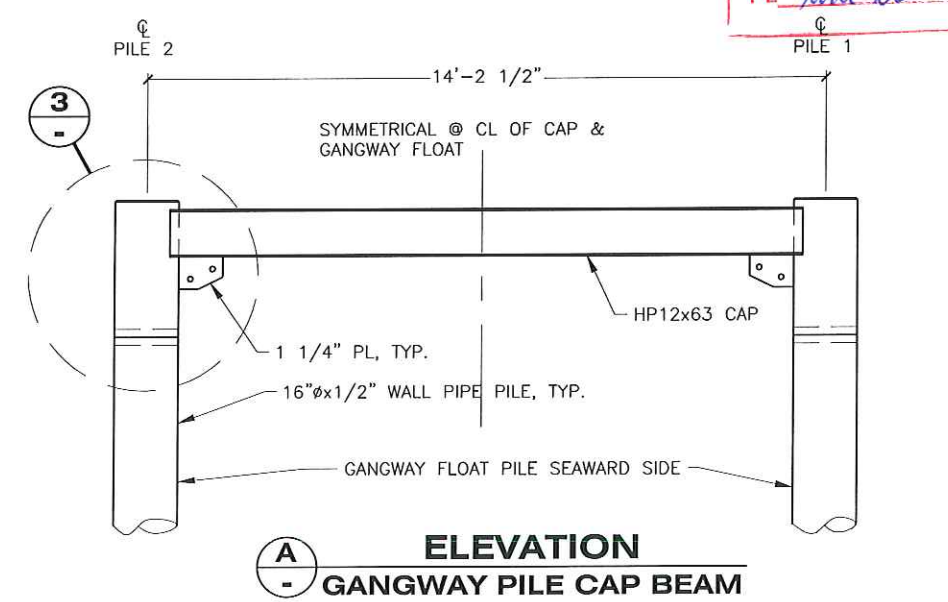
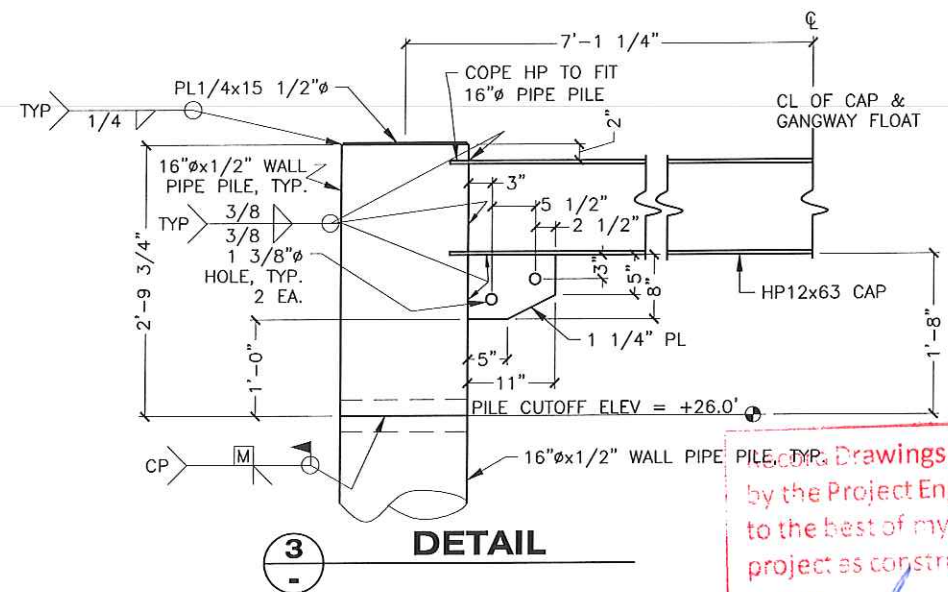
NO.	DATE	DESCRIPTION

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TAB: 10 Wednesday, August 12, 2015 4:40:51 PM KELLY, RYAN (DOT)



- GANGWAY SKID NOTES:**
1. TACK GANGWAY SKIDS & SKID PADS IN PLACE.
 2. MONITOR GANGWAY TRAVEL AREA DURING AT LEAST ONE FULL TIDE CYCLE BEFORE PERMANENTLY INSTALLING SKIDS & SKID PADS ACCORDING TO PLANS.
 3. ADJUST SKIDS AND SKID PADS ACCORDINGLY W/ CONSIDERATION TO TIDAL RANGE.
 4. FINAL LOCATION OF GANGWAY SKIDS AND SKID PADS MUST BE APPROVED BY THE ENGINEER.



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: K. MILLER

CHECKED BY: K. MILLER

DRAWN BY: STAFF

DATE: 08/12/15

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHCOST REGION

ELFIN COVE OUTER HARBOR IMPROVEMENTS

HARBOR FLOATS DETAILS

PROJECT DESIGNATION: 83982

YEAR: 2015

SHEET NO.: 11

TOTAL SHEETS: 22

REVISIONS

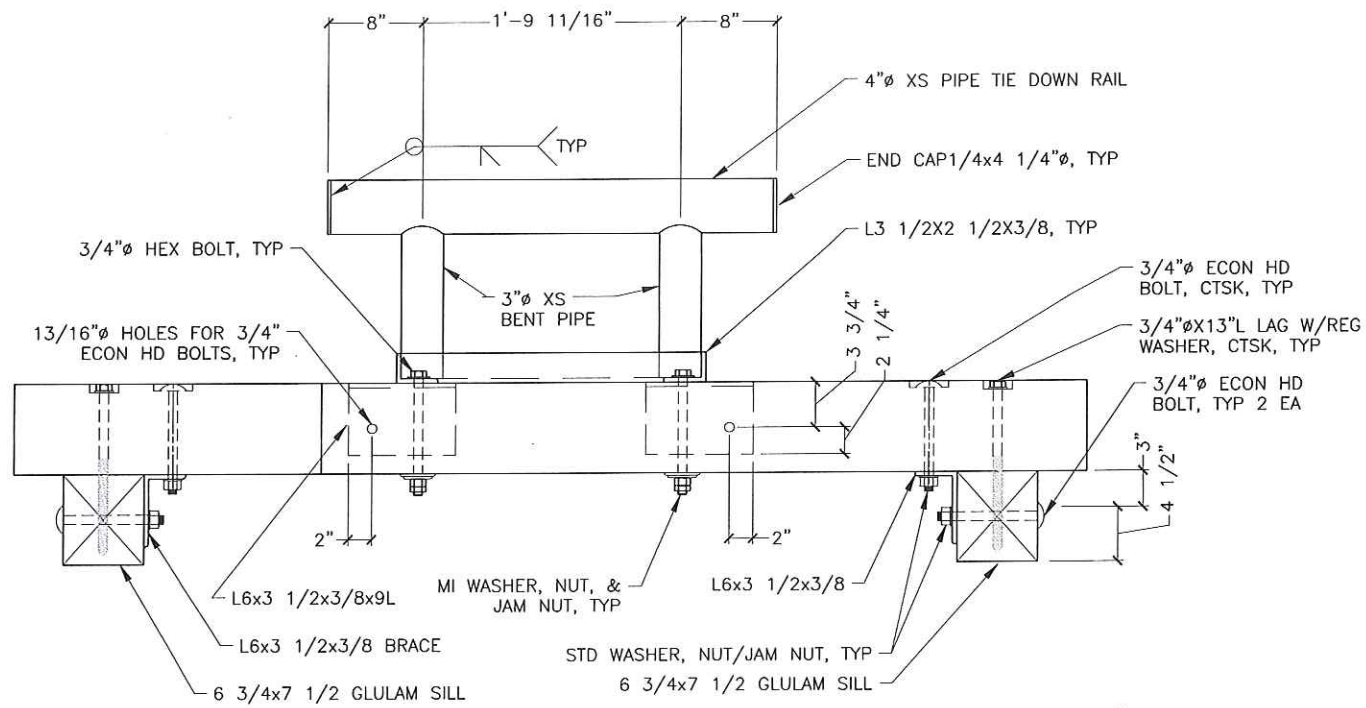
NO.	DATE	DESCRIPTION

PATH: Q:\SEA\83504\MF\PLANSET ELFIN COVE\FINAL\11-12 - HARBOR FLOAT DETAILS & PILE C

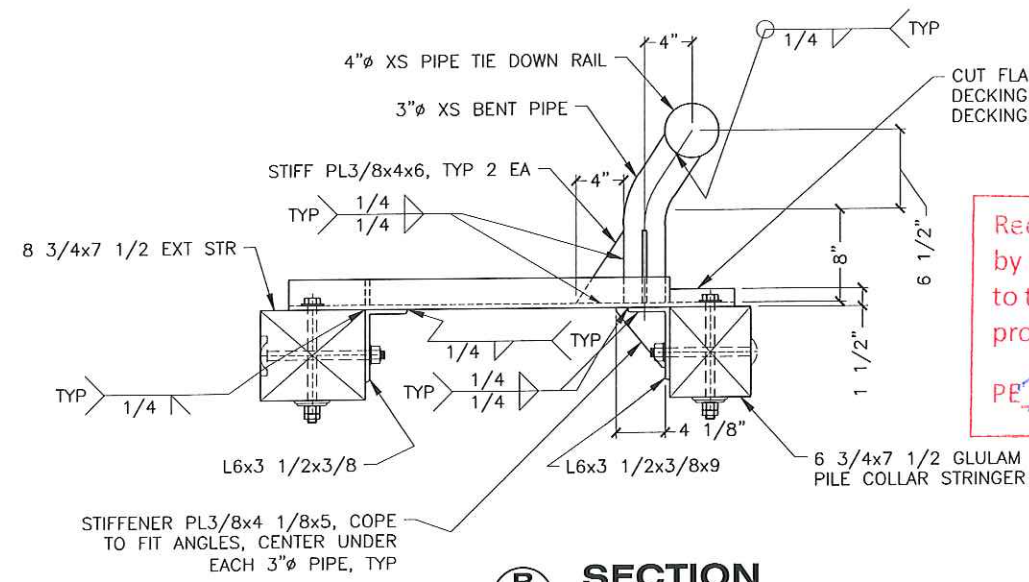
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These Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

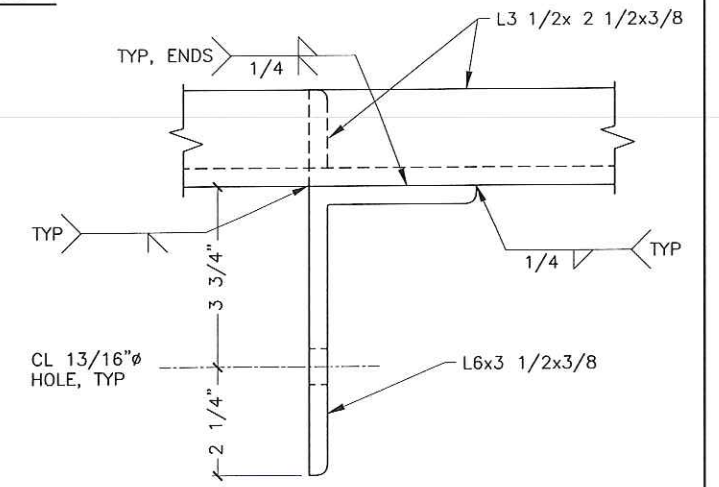
PE *[Signature]* Date 7/12/16



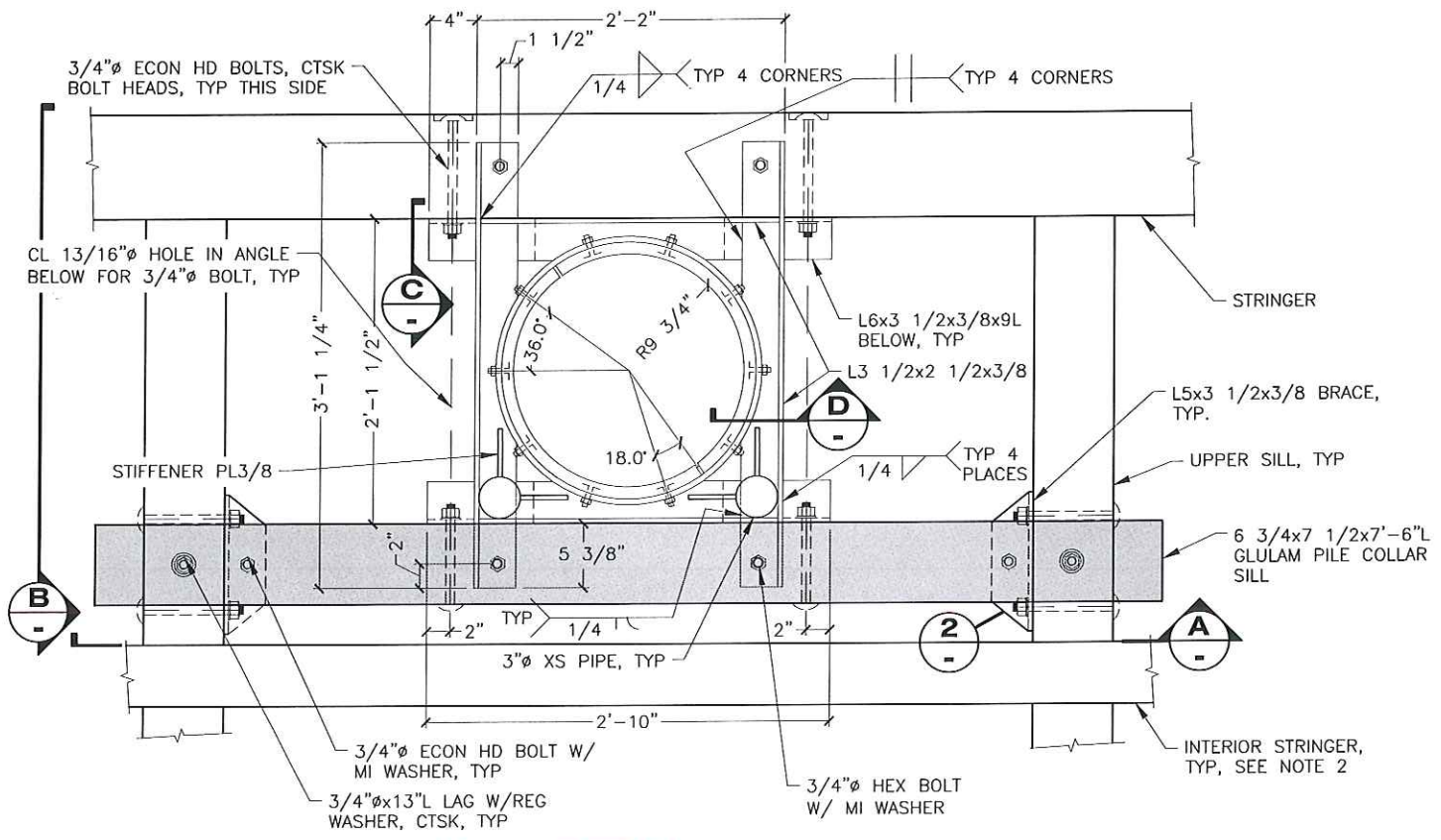
A SECTION



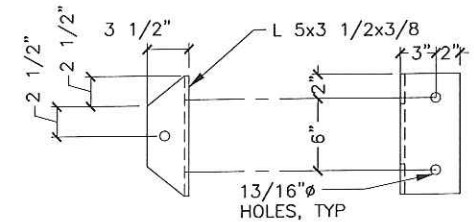
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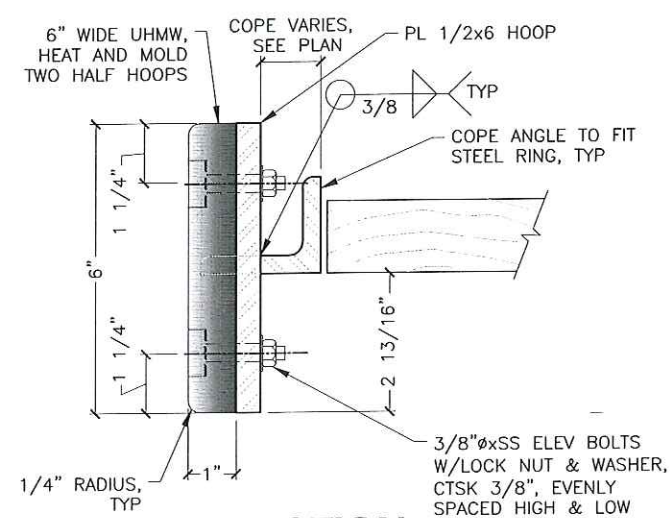
C SECTION



1 DETAIL PILE COLLAR



2 DETAIL ANGLE BRACE



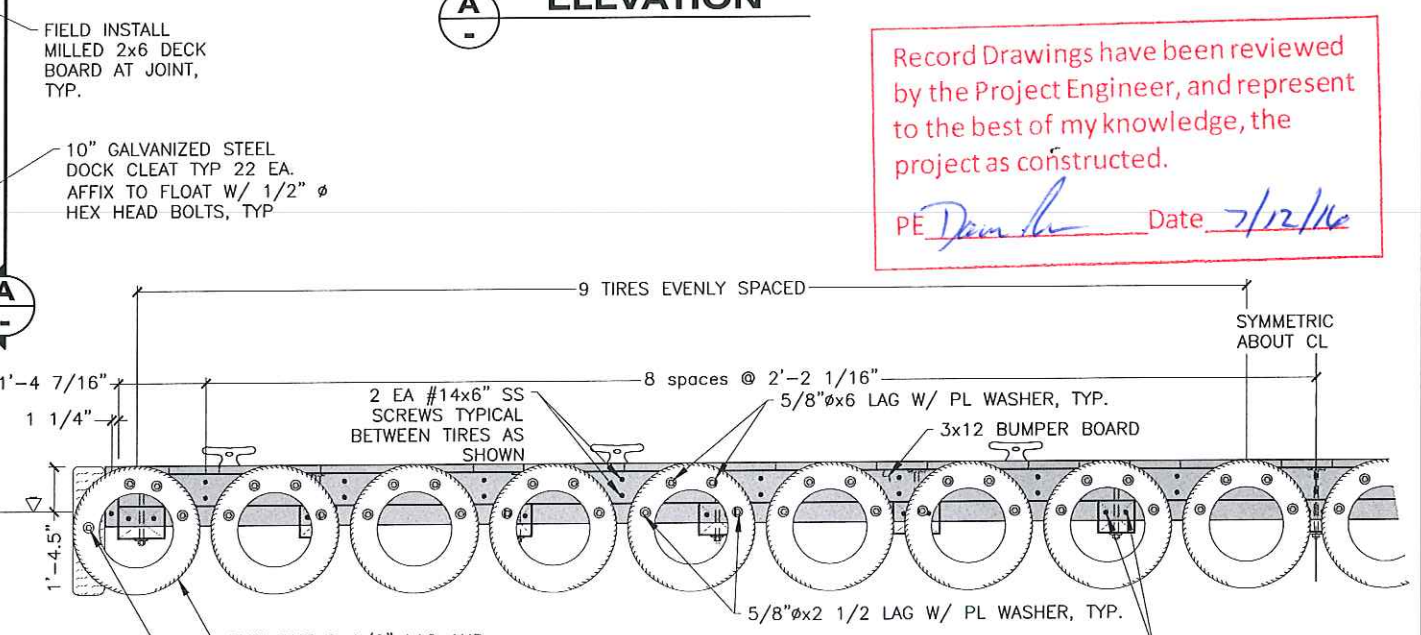
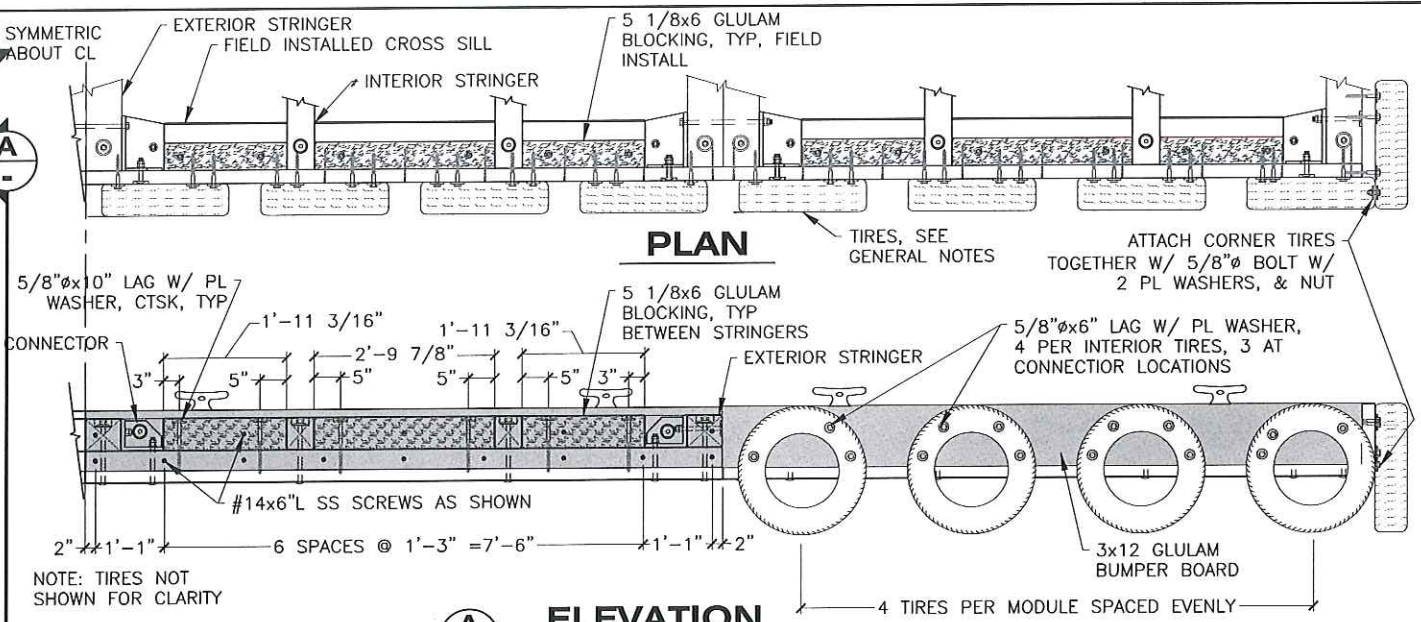
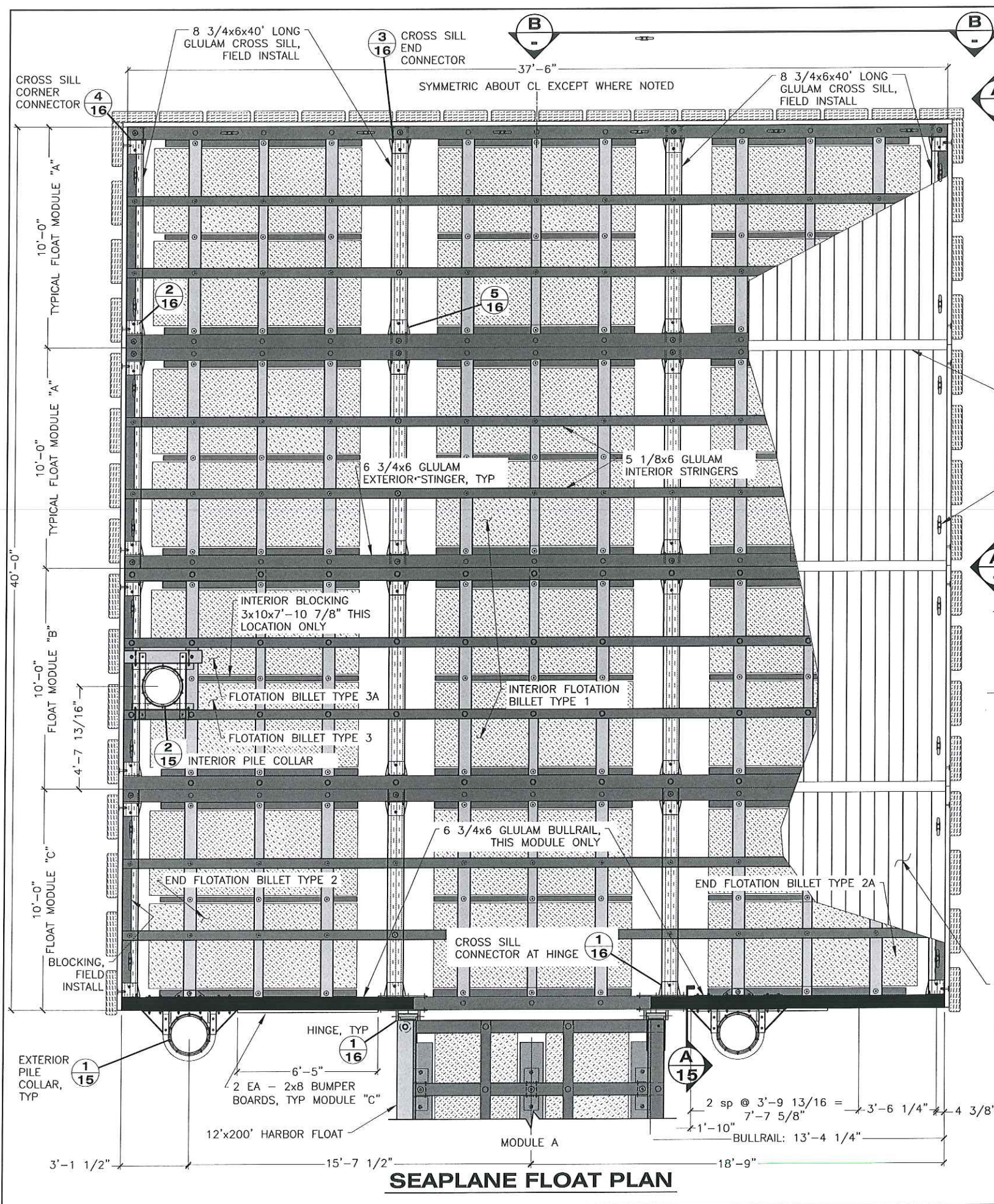
D SECTION TYPICAL PILE COLLAR

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE *[Signature]* Date 7/12/16

PILE COLLAR NOTES
 MATCH DECK BOARDS FLUSH W/ EDGES OF PILE COLLARS. NOTCH DECK BOARDS AROUND COLLAR ANGLES ends.
 1. SPLICE BOLT LENGTHS VARY DEPENDING ON THICKNESS OF BULLRAIL.
 2. STAGGER INTERIOR STRINGERS AS SHOWN ON FLOAT LAYOUT SHEETS. LENGTHS FOR BOLTS THROUGH PILE COLLAR & SILL VARY DEPENDING ON STRINGER LOCATION.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: K. MILLER	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOST REGION
	ELFIN COVE OUTER HARBOR IMPROVEMENTS
CHECKED BY: K. MILLER	HARBOR FLOAT PILE COLLAR
DRAWN BY: STAFF	PROJECT DESIGNATION: 83982
PATH: Q:\SEA\83504\MF\PLANSET ELFIN COVE\FINAL\11-12 - HARBOR FLOAT DETAILS & PILE C	YEAR: 2015
TAB: 12 Wednesday, August 12, 2015 4:42:08 PM KELLY, RYAN (DOT)	SHEET NO.: 12
REVISIONS	TOTAL SHEETS: 22
NO. DATE DESCRIPTION	

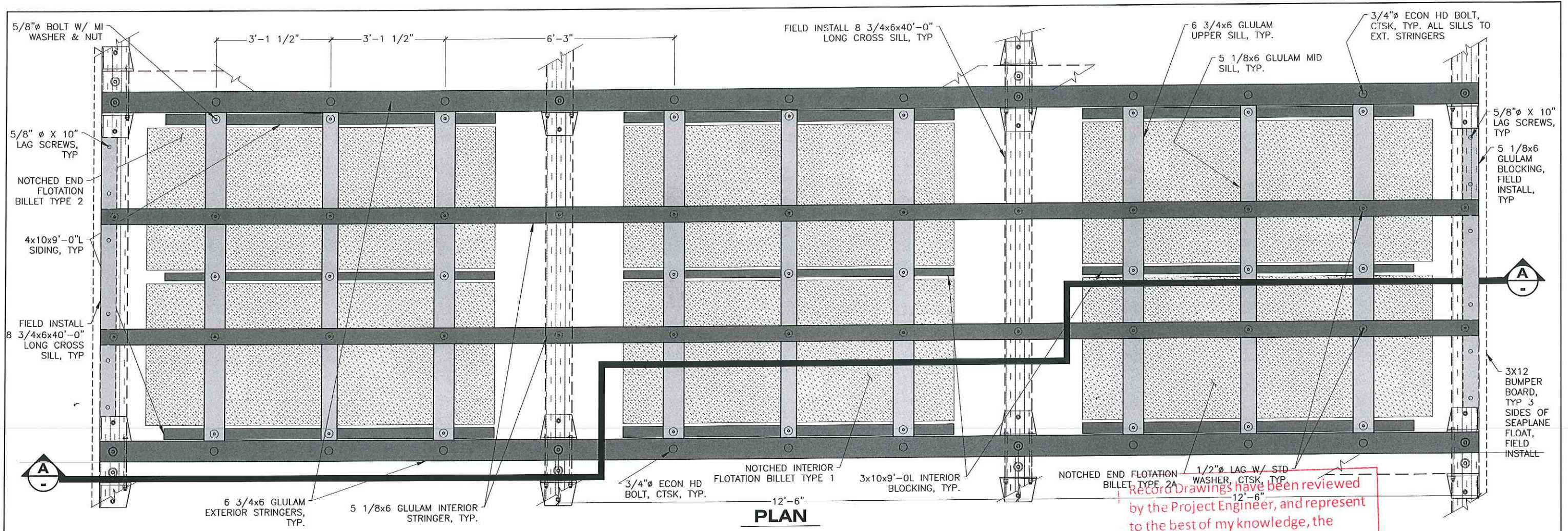


Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE *Dean* Date *7/12/16*

- TIRE BUMPER NOTES:**
- REFERENCE GENERAL NOTES ON SHEET 2 FOR NOMINAL SIZE AND TYPE OF TIRES.
 - PRE-DRILL ALL HOLES FOR TIRE INSTALLATION. PROVIDE 2" DIAMETER HOLE IN OUTSIDE FACE OF TIRE TO FACILITATE EXTERIOR LAG BOLT INSTALLATION. ALL LAG BOLTS SHALL BE EQUIPPED WITH GALVANIZED PLATE WASHERS IN CONTACT WITH RUBBER SURFACES.
 - COORDINATE AND/OR ADJUST LOCATIONS SO THAT ATTACHMENT HARDWARE DOES NOT CONFLICT WITH OTHER FLOAT FEATURES AS MAY BE REQUIRED.

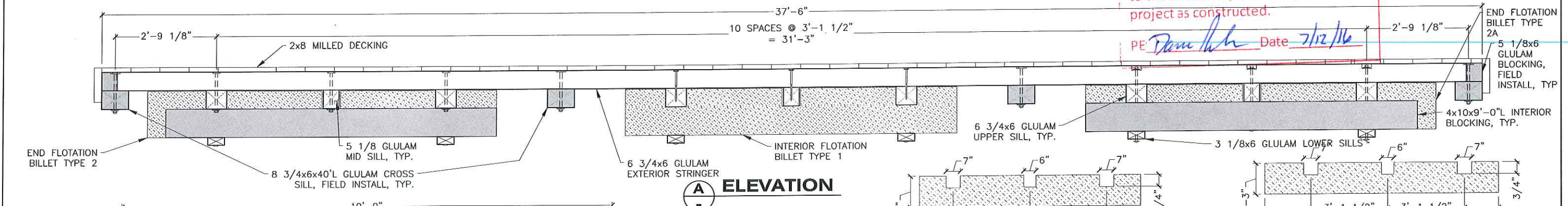
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: K. MILLER		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOST REGION	
		ELFIN COVE OUTER HARBOR IMPROVEMENTS 37.5'x40' SEAPLANE FLOAT	
CHECKED BY: K. MILLER		PROJECT DESIGNATION	YEAR
DRAWN BY: STAFF		83982	2015
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REVISIONS			
NO.	DATE	DESCRIPTION	

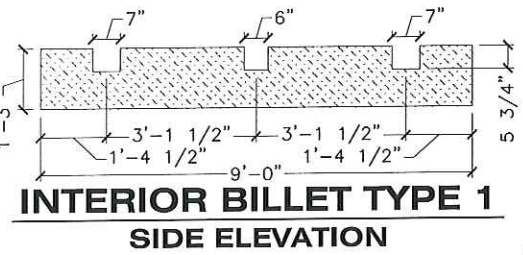


PLAN

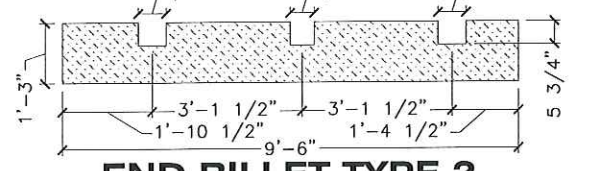
Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE *Dave Loh* Date 7/12/16



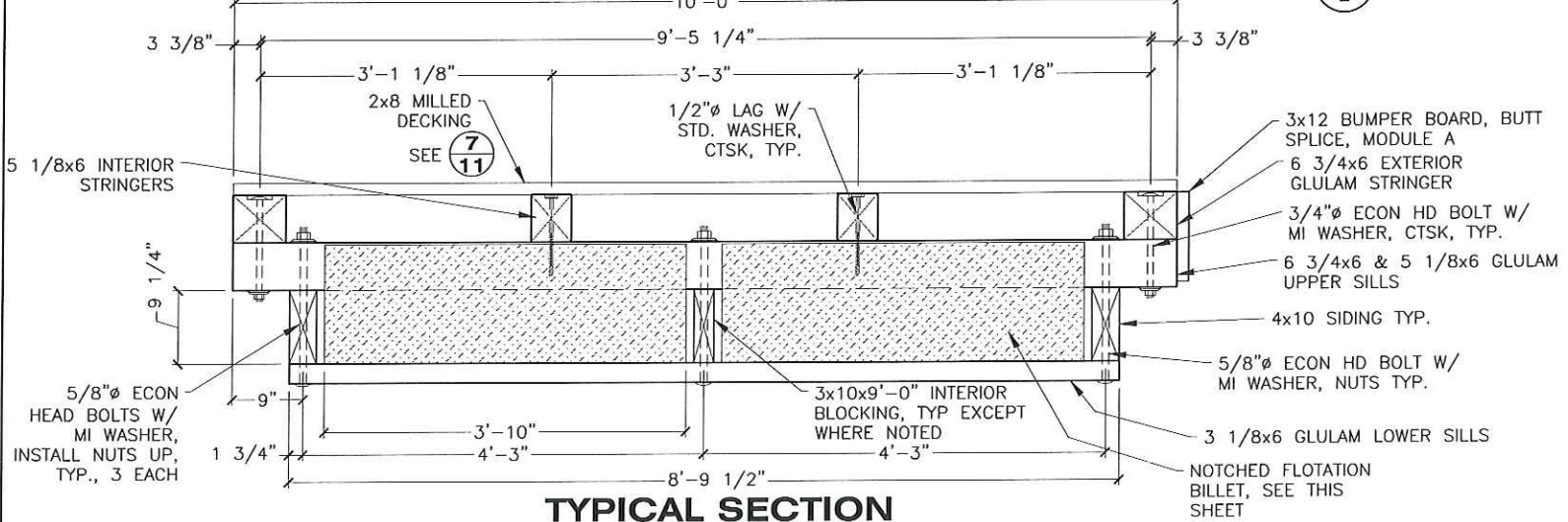
ELEVATION



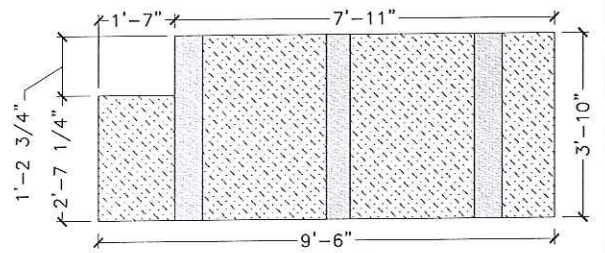
INTERIOR BILLET TYPE 1 SIDE ELEVATION



END BILLET TYPE 2
(TYPE 2A OPPOSITE HAND ALONG END)




TYPICAL SECTION

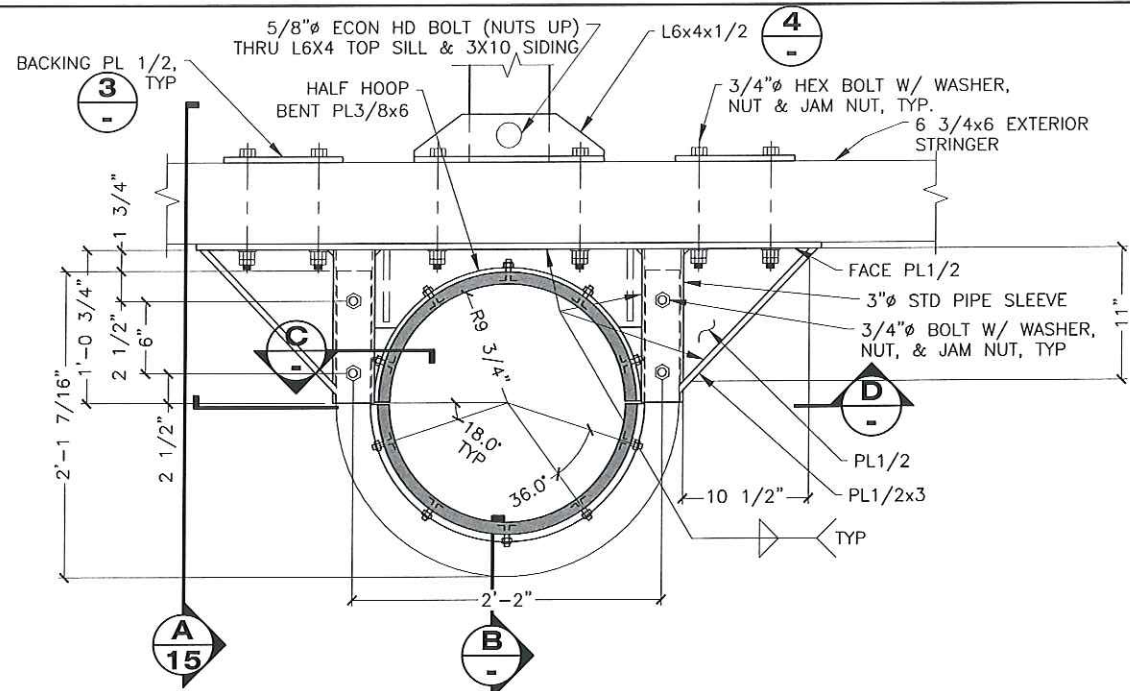


BILLET TYPE 3 PLAN
(TYPE 3A OPPOSITE HAND ALONG SIDE)

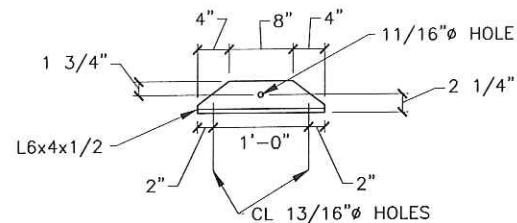
NOTE: SEE TYPE 1 FOR ADDITIONAL DIMENSIONS

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

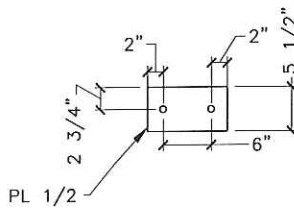
DESIGNED BY: K. MILLER	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOST REGION																		
CHECKED BY: K. MILLER	ELFIN COVE OUTER HARBOR IMPROVEMENTS																		
DRAWN BY: STAFF	TYPICAL SEAPLANE FLOAT MODULE																		
 08/12/15																			
PATH: Q:\SEA\83504\MF\PLANSET ELFIN COVE\FINAL\14 - TYPICAL SEAPLANE FLOAT MOD.DWG TAB: 14 Wednesday, August 12, 2015 4:43:26 PM KELLY, RYAN (DOT)																			
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REVISIONS		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS														
NO.	DATE	DESCRIPTION																	
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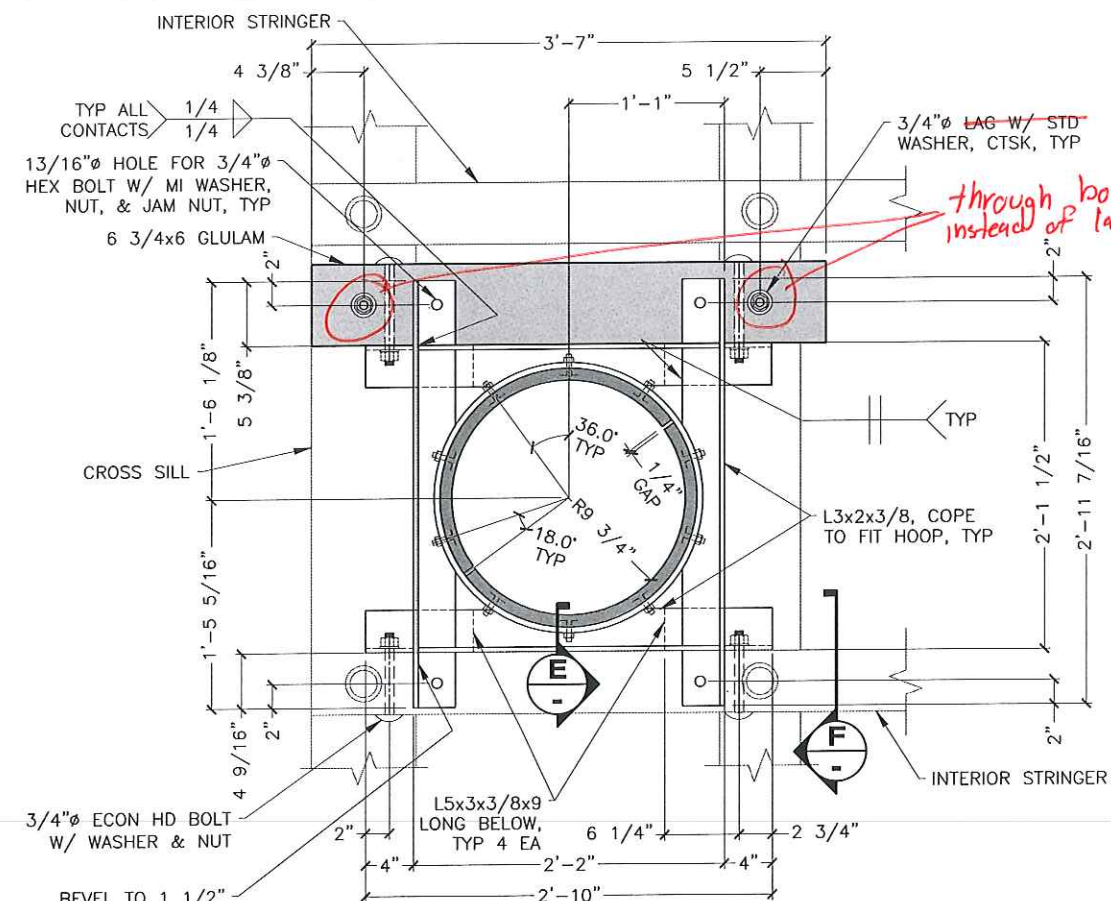
1 EXTERIOR PILE COLLAR DETAIL



4 ANGLE CLIP

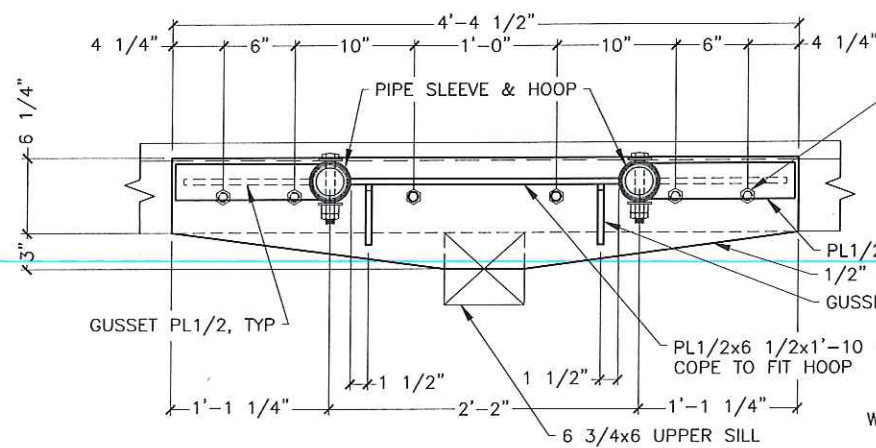


3 BACKING PLATE

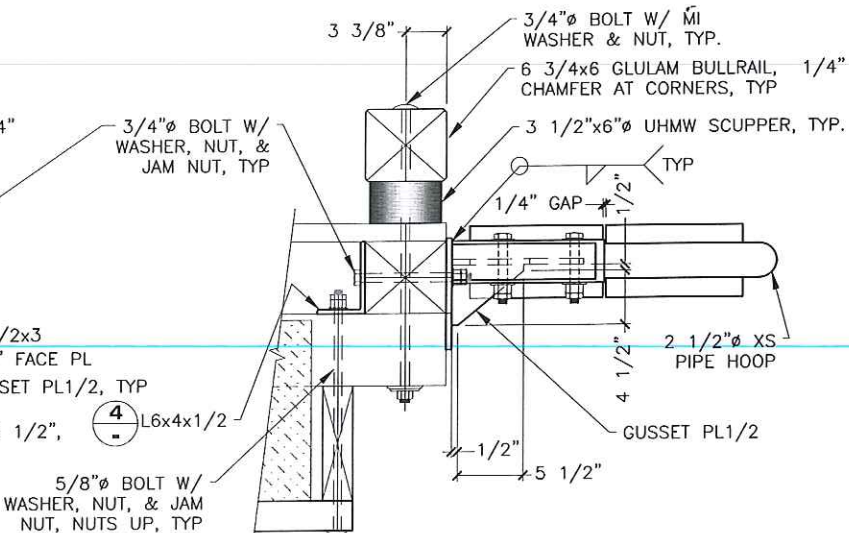


2 INTERIOR PILE COLLAR PLAN

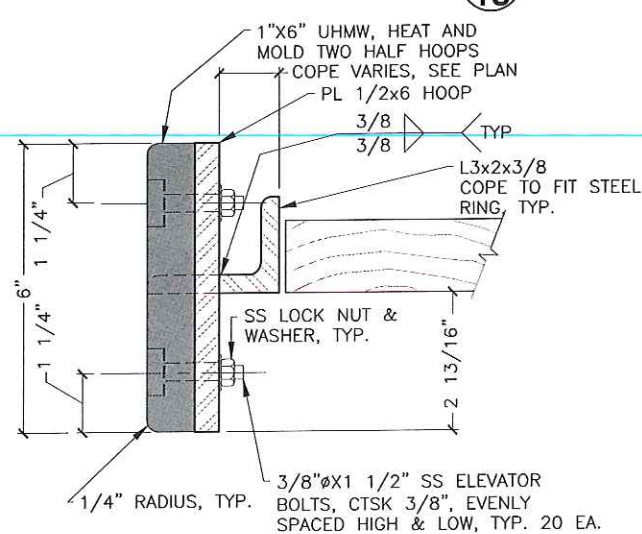
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 PE *[Signature]* Date 7/12/16



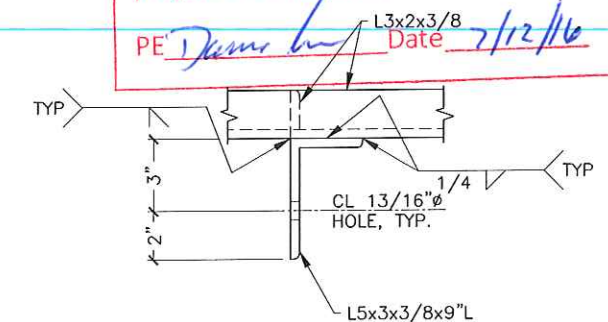
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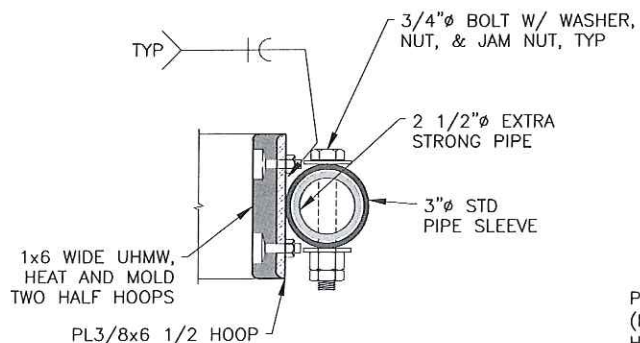
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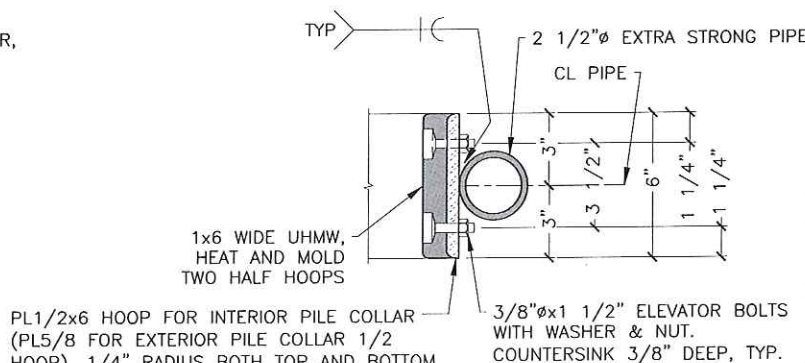
E SECTION



F SECTION



C SECTION



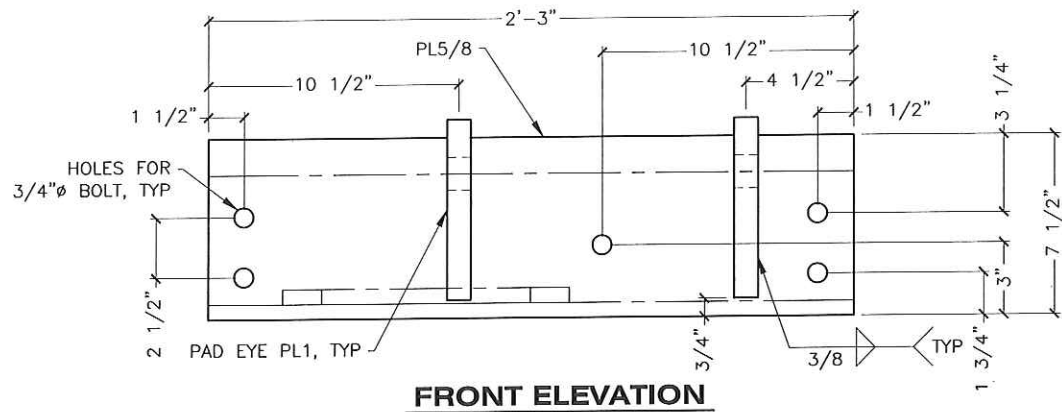
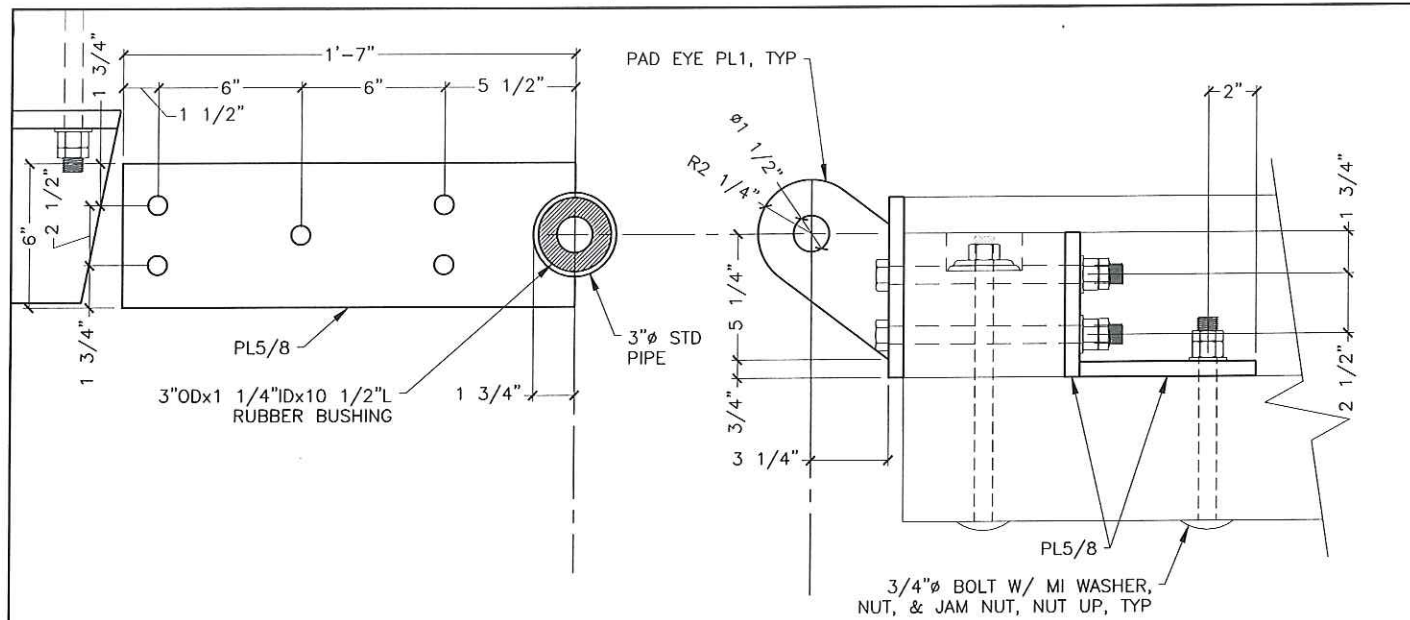
B SECTION

PILE COLLAR NOTES:

1. ALL WELDS MAY NOT BE SHOWN. WELD ALL CONTACTS W/ 1/4" FILLET UON. GRIND SMOOTH WHERE REQ'D.
2. UHMW POLY LINERS, AS SHOWN, WITH 10 BOLTS PER CIRCULAR HALF COLLAR. UHMW POLY LINERS SHALL BE HEATED AND THEN MOLDED TO THE SHAPE SHOWN ON THE DETAILS.
3. THE POLY LINER SECURING BOLTS SHALL BE COUNTERSUNK AS SHOWN AND EVENLY SPACED HIGH AND LOW.
4. MATCH DECK BOARDS FLUSH W/ EDGES OF PILE COLLARS. NOTCH DECK BOARDS AROUND COLLAR ANGLES WHEN REQUIRED.

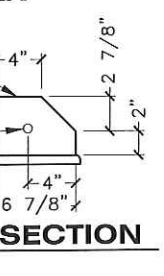
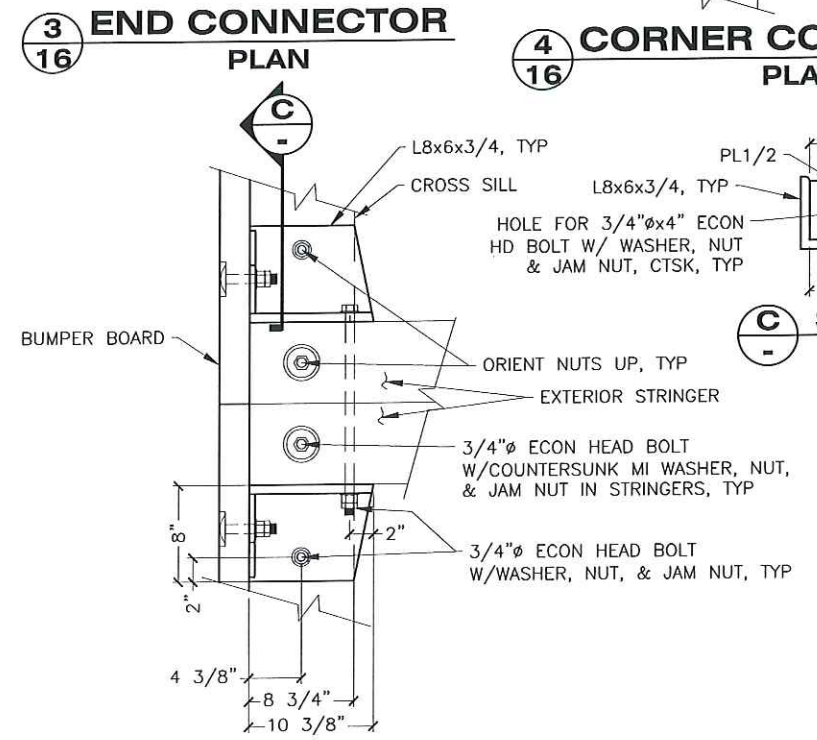
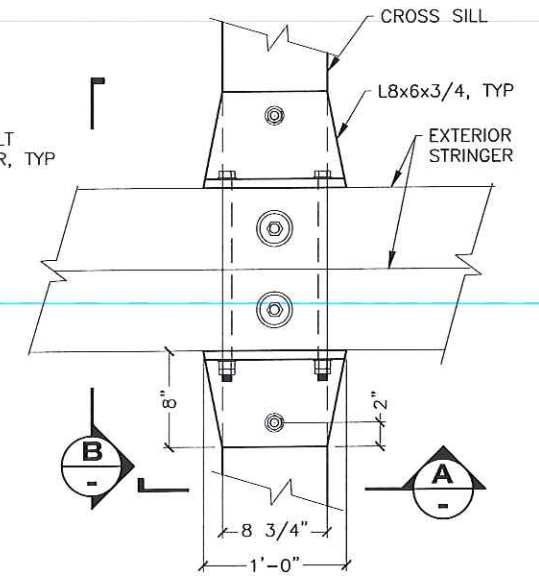
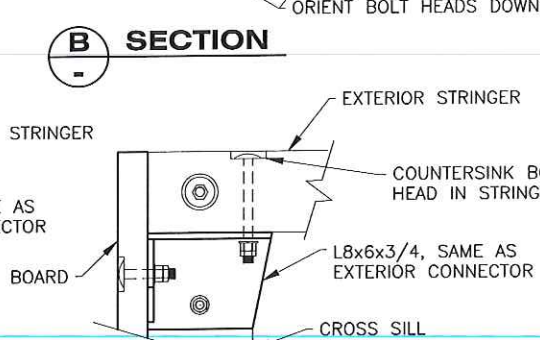
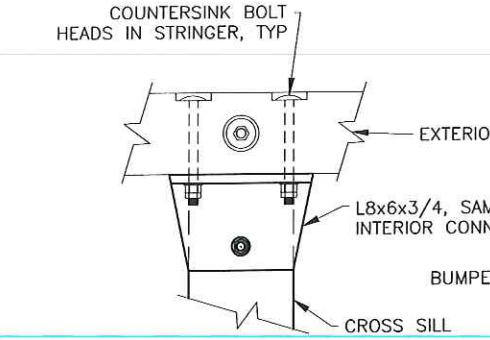
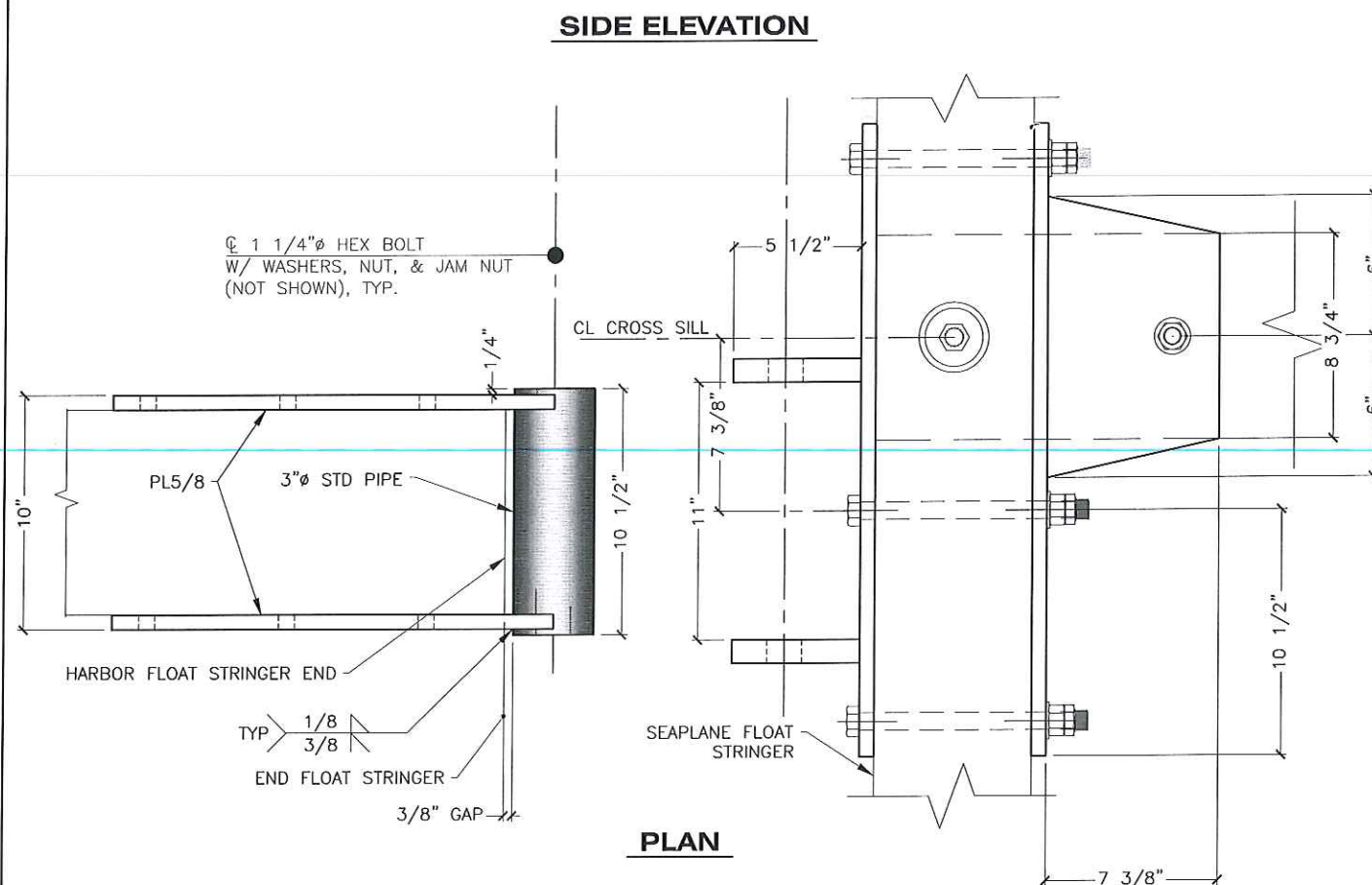
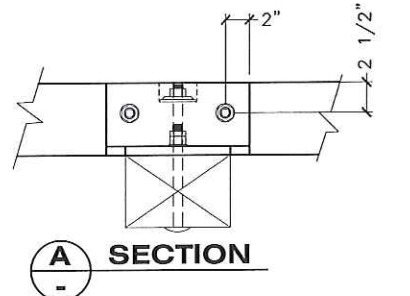
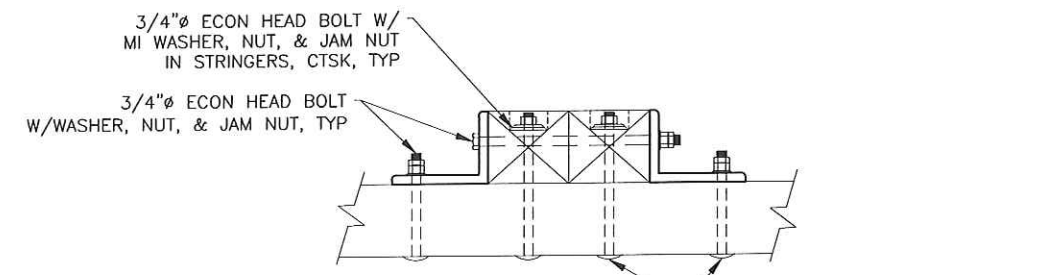
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: K. MILLER	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOST REGION
	ELFIN COVE OUTER HARBOR IMPROVEMENTS
CHECKED BY: K. MILLER	SEAPLANE FLOAT PILE COLLAR DETAILS
DRAWN BY: STAFF	08/12/15
PATH: Q:\SEA\83504\MF\PLANS\SET ELFIN COVE\FINAL\15-SEAPLANE FLOAT PILE COLLARS.DWG	KELLY, RYAN (DOT)
TAB: 15 Wednesday, August 12, 2015 4:44:20 PM	PROJECT DESIGNATION
	YEAR
	SHEET NO.
	TOTAL SHEETS
	83982
	2015 15
	22



Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE *Dina Palu* Date 7/12/16



1 HINGE DETAILS

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: K. MILLER

CHECKED BY: K. MILLER

DRAWN BY: STAFF

DATE: 08/12/15

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHCOST REGION

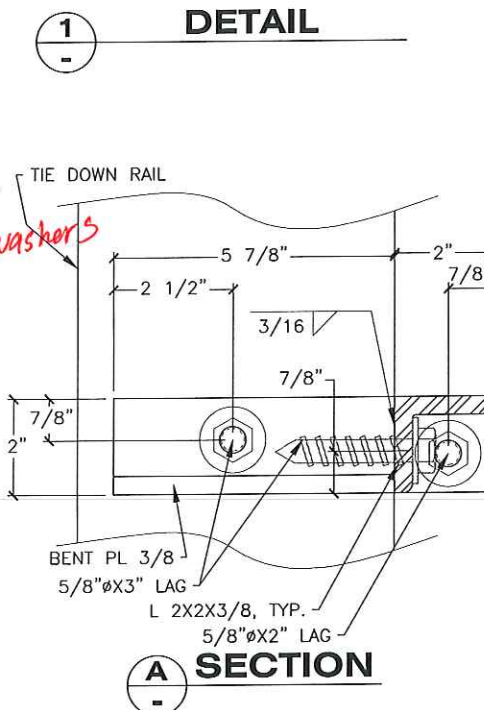
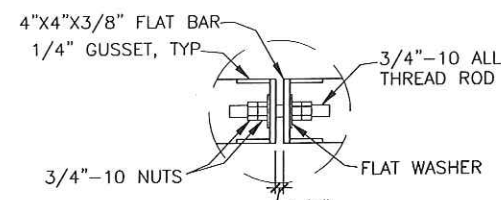
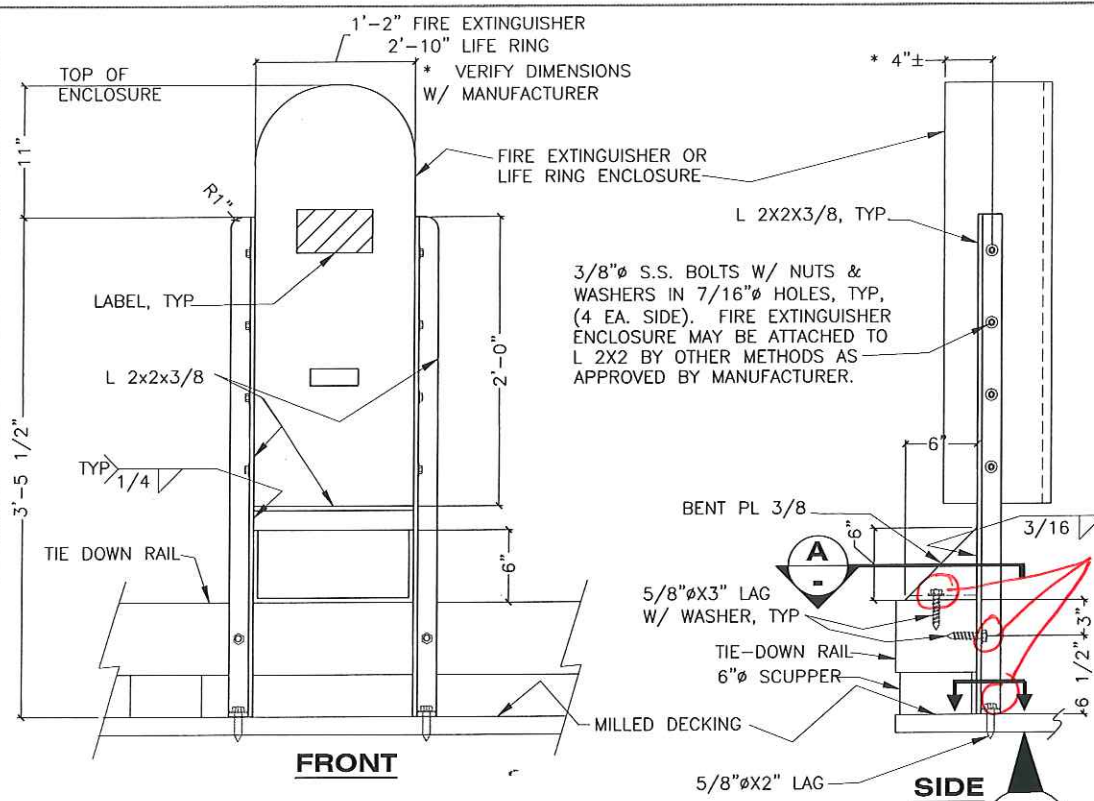
ELFIN COVE OUTER HARBOR IMPROVEMENTS

SEAPLANE FLOAT HINGE AND CROSS SILL CONNECTORS

PROJECT DESIGNATION: 83982
YEAR: 2015
SHEET NO.: 16
TOTAL SHEETS: 22

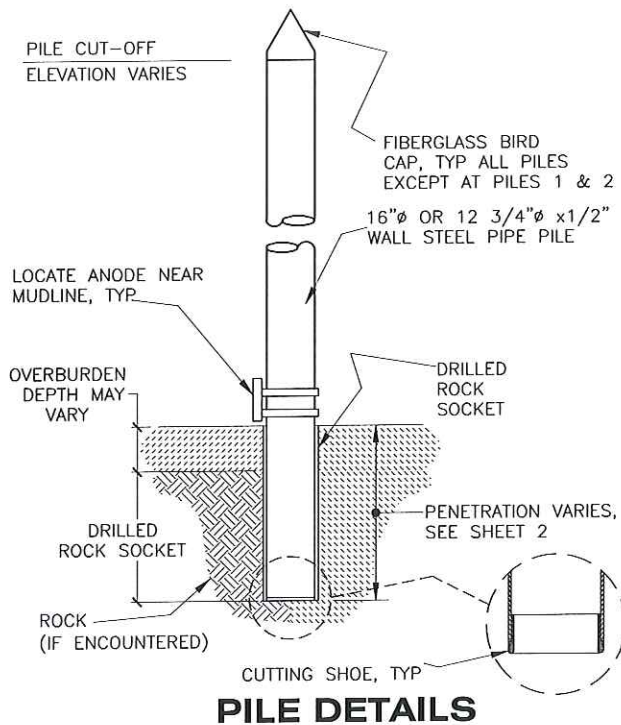
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NO.	DATE	REVISIONS DESCRIPTION

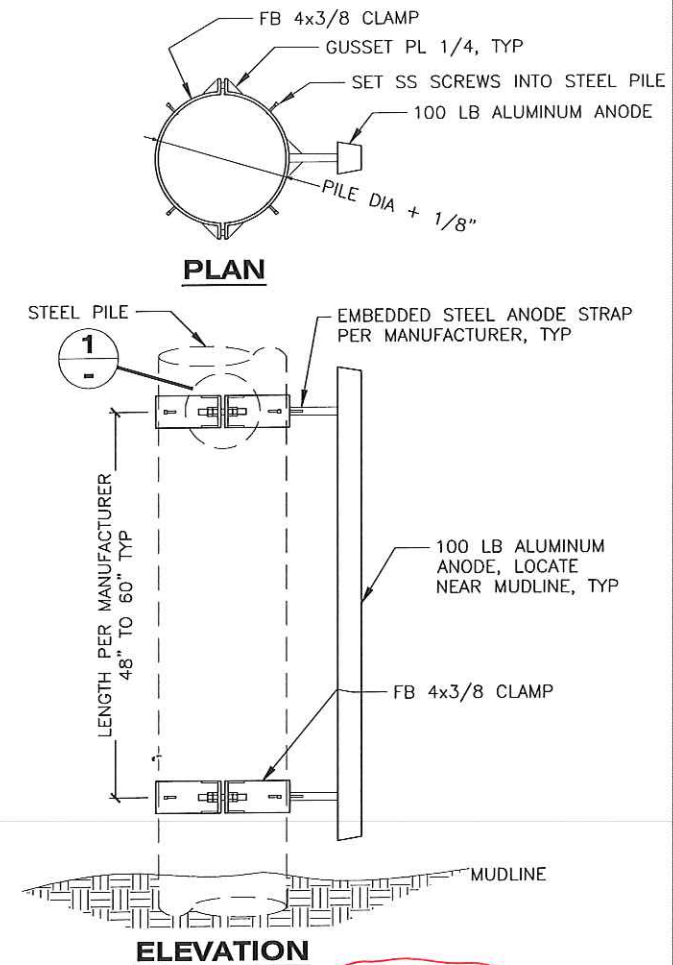


NOTE:
 PROVIDE 20 LB. FIRE EXTINGUISHERS RATED FOR 2A, 20-B:C. & 30\"/>

FIRE EXTINGUISHER/LIFE RING ENCLOSURE



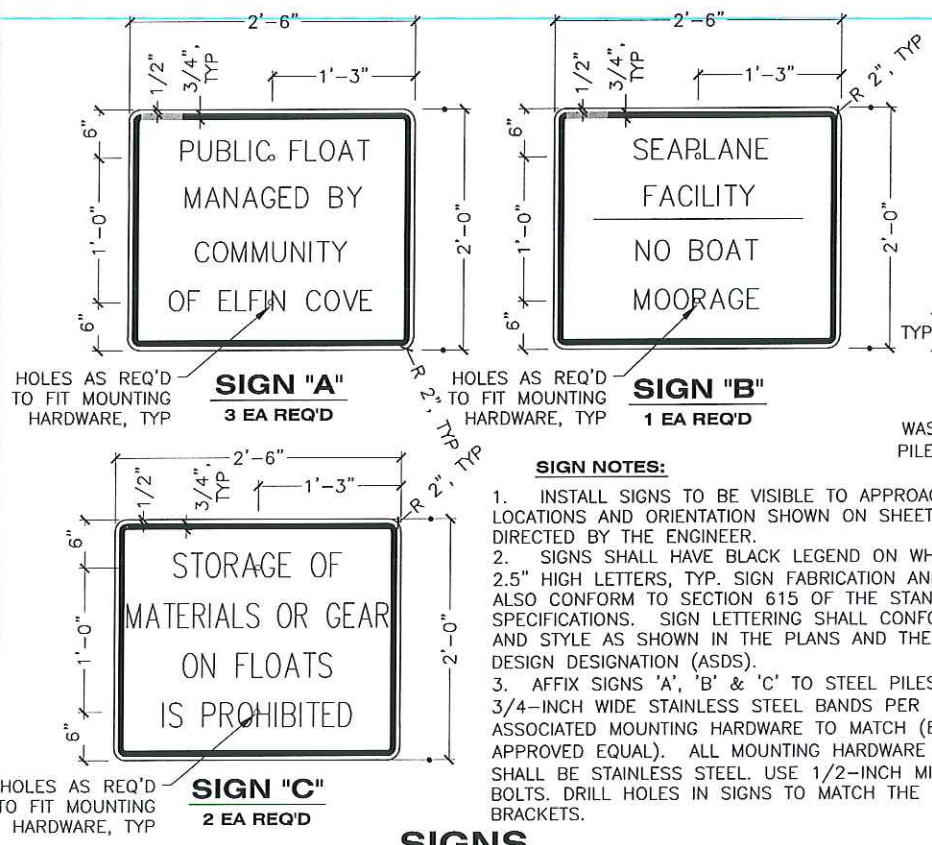
PILE NOTES:
 1. DRIVE ALL PILES TO ESTIMATED TIP ELEVATION UNLESS OTHERWISE APPROVED BY THE ENGINEER. SEE SHEET 2 FOR ESTIMATED TIP, PILE CUTOFF ELEVATIONS AND PILE LENGTHS.
 2. AT PILE LOCATIONS WHERE THE ESTIMATED TIP ELEVATION CANNOT BE ACHIEVED DUE TO REFUSAL ON ROCK, DRILL A ROCK SOCKET TO THE DEPTH OF THE ESTIMATED TIP ELEVATION. THE DRILLED ROCK SOCKET NEED NOT EXCEED A DEPTH OF GREATER THAN 10 FEET BELOW THE SURFACE OF THE ENCOUNTERED ROCK.



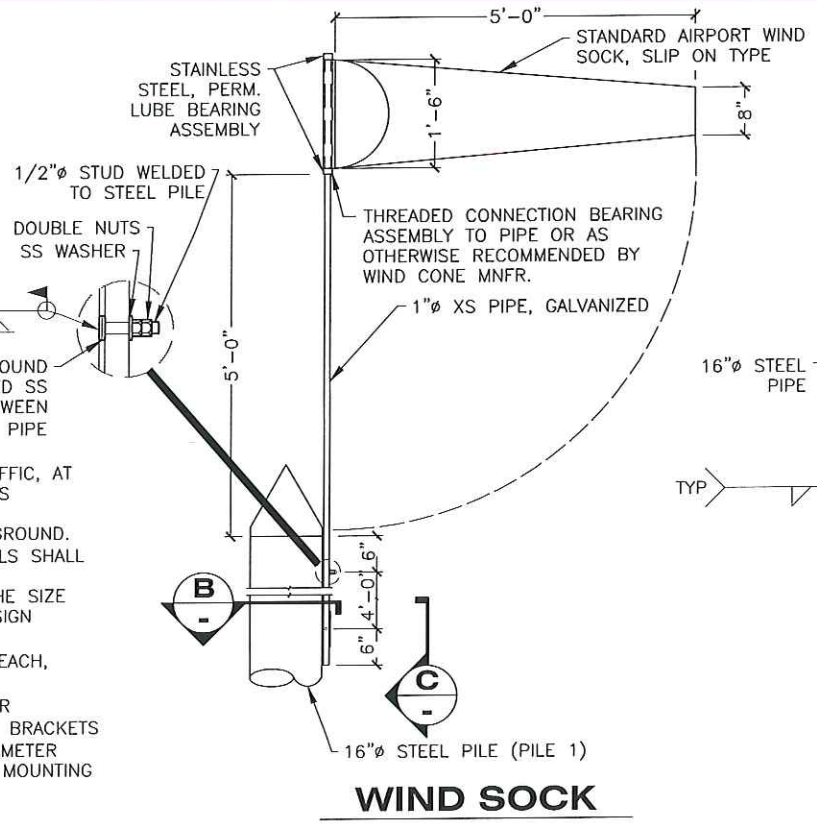
NOTE:
 ANODES MAY BE WELDED UNDERWATER TO PILE IN LIEU OF USING ANODE CLAMP.

PILE ANODE

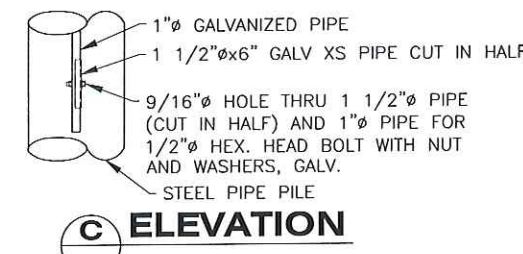
Anodes were welded. All welds sealed w/ splash zone.



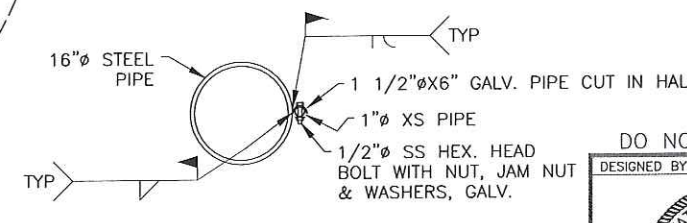
SIGNS



WIND SOCK



ELEVATION C



SECTION B

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE *Dan Palu* Date *7/12/16*

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: K. MILLER	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOST REGION		
CHECKED BY: K. MILLER	ELFIN COVE OUTER HARBOR IMPROVEMENTS		
DRAWN BY: STAFF	MISCELLANEOUS DETAILS		
PATH: Q:\SEA\83504\MF\PLANSET ELFIN COVE\FINAL\17 - MISC DETAILS.DWG	PROJECT DESIGNATION	YEAR	SHEET NO.
TAB: 17 Wednesday, August 12, 2015 4:45:31 PM KELLY, RYAN (DOT)	83982	2015	17
REVISIONS		YEAR	TOTAL SHEETS
NO.	DATE	DESCRIPTION	22

ELFIN COVE OUTER HARBOR IMPROVEMENTS ELECTRICAL

GENERAL NOTES: (APPLICABLE TO ALL SHEETS)

1. PERFORM ALL WORK PER THE 2014 NATIONAL ELECTRIC CODE (NEC) AND OTHER APPLICABLE NATIONAL, STATE, AND LOCAL CODES AND STANDARDS. PROVIDE EQUIPMENT AND AN INSTALLATION THAT COMPLIES WITH ARTICLE 555 OF THE NEC.
2. MOUNT ALL OF THE ELECTRICAL EQUIPMENT IN THE LOCATIONS SHOWN ON THE STRUCTURAL DRAWINGS. LOCATIONS SHOWN ON THE ELECTRICAL DRAWINGS ARE APPROXIMATE.
3. SEE FLOAT, GANGWAY, AND TRESTLE STRUCTURAL DRAWINGS FOR MOUNTING ALL ELECTRICAL EQUIPMENT AS WELL AS ELECTRICAL DRAWINGS. MOUNTING POSTS, LIGHT POLE BASE DETAILS, CABLE TRAY, ETC. ARE DETAILED ON THE STRUCTURAL DRAWINGS. MOUNT ELECTRICAL EQUIPMENT AS SHOWN ON BOTH ELECTRICAL AND STRUCTURAL DRAWINGS. SIZE MOUNTING BOLTS, BRACKETS, HARDWARE, ETC. FOR A SAFETY FACTOR OF 5 MINIMUM. ALL EQUIPMENT AND MATERIALS SHALL NOT MOVE WHEN PULLED OR PUSHED BY HAND (EXCEPT CABLES AND FLEXIBLE CONDUIT). SECURE ALL CONDUIT WITHIN 12 INCHES OF END OF CONDUIT AND AS REQUIRED PER NEC.
4. FIELD TREAT ALL HOT DIPPED GALVANIZED MATERIALS THAT ARE CUT, DRILLED, SCRATCHED OR DAMAGED. SEE STRUCTURAL FOR FIELD TREATMENT.
5. ALL CONDUCTORS SHALL BE COPPER, ALL INSULATION SHALL BE 600V RATED. TYPE XHHW FOR CONDUCTORS NOT IN A CABLE. ALL CABLES SHALL BE THE TYPE SPECIFIED, NO SUBSTITUTIONS. USE STAINLESS STEEL STRAPS TO SECURE CONDUIT, UNLESS OTHERWISE NOTED. USE GRS ELBOWS. PROVIDE HEAT SHRINK OVER ALL CRIMP CONNECTIONS WHEN TERMINATING A CABLE. NO SPLICES IN ANY CABLES OR CONDUCTORS. ALL CONDUIT SHALL BE SCHEDULE 80 PVC OR HOT DIPPED GALVANIZED. ALL WIRING SHALL BE IN CONDUIT EXCEPT OTHERWISE NOTED.

6. IF GALVANIZED THREADS ARE CHASED IN ORDER TO BE USABLE, TREAT CHASED THREADS WITH BRAKE CLEANER, THEN COAT WITH MARINE TRAILER WHEEL BEARING GREASE BEFORE APPLYING A STAINLESS STEEL WASHER AND NUT.
7. USE 316 STAINLESS STEEL BOLTS, WASHERS, ETC. TO MOUNT ELECTRICAL EQUIPMENT AND STRUT CHANNEL. ALL FASTENERS AND OTHER EXPOSED HARDWARE SHALL BE 316 STAINLESS STEEL. USE 316 STAINLESS STEEL LOCKNUTS. USE SEALING WASHERS. USE STAINLESS STEEL MEYERS HUBS WHEN ROUTING A CONDUIT INTO AN ENCLOSURE.
8. SEAL ALL PENETRATIONS IN ELECTRICAL EQUIPMENT WITH UL LISTED HARDWARE FOR SUCH USE. USE RUBBER OR SILICONE WASHERS IN ADDITION TO STAINLESS STEEL WASHERS. DRILL 1/4" DRAIN HOLE IN BOTTOM OF ALL EQUIPMENT AND ENCLOSURES.
9. USE 316 STAINLESS STEEL STRUT CHANNEL (UNISTRUT) TO SUPPORT CABLES, AND ALL OTHER ELECTRICAL EQUIPMENT UNLESS OTHERWISE NOTED. TRIM STRUT CHANNEL 1/4" SHORT OF EDGE OF EQUIPMENT AND POSTS. SAND END OF STRUT CHANNEL SMOOTH. MOUNT PANEL TO HORIZONTAL FRAMING THAT IS PART OF ELECTRICAL EQUIPMENT SUPPORTS. SEE STRUCTURAL. USE CABLE SUPPORTS THAT COMPLY WITH 555.13(4). USE CUSHION STRAPS WHEN SUPPORTING CABLE TO STRUT CHANNEL.
10. ROUTE CABLES IN CABLE TRAY IN FLOAT UNDER DECKING. SECURE CABLE TO CABLE TRAY WITH NM CABLE TIES (MIN 500 LB TENSILE STRENGTH) WHERE CABLE ENTERS AND LEAVES TRAY AS WELL AS EVERY 6'.

USE STAINLESS STEEL CABLE GRIP CONNECTORS FOR ALL CABLE ENTERING AND LEAVING CONDUIT.

11. ALL CABLE TERMINATIONS AND ALL ELECTRICAL CONNECTIONS SHALL BE A MINIMUM OF 12 INCHES ABOVE THE FLOAT DECKING INCLUDING WIRING TERMINATIONS, RECEPTACLES, ETC.
12. PROVIDE OXIDE INHIBITING COMPOUND ON ALL ELECTRICAL CONNECTIONS. BURNDY PENTROX TYPE A OR E AS REQUIRED.
13. ALL LUGS AND ELECTRICAL TERMINALS SHALL BE COPPER OR TIN PLATED HIGH CONDUCTIVE ALUMINUM.
14. ALL CONDUIT SHALL BE SCHEDULE 80 PVC, HEAVY DUTY FIBERGLASS, OR GALVANIZED RIGID STEEL AS NOTED.
15. MINIMUM BENDING RADIUS FOR ALL CABLES IS 8 TIMES THE DIAMETER OF THE CABLE.
16. REPLACE ALL EQUIPMENT DAMAGED DURING PROJECT. REPLACE ALL EXISTING CABLE.
17. ALL WORK SHOWN INSIDE A "CLOUD" W/ N.I.C. NOTED UNDER THE DELTA IS NOT IN THE CONTRACT AND SHALL NOT BE PERFORMED.



Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

Date 7/12/16

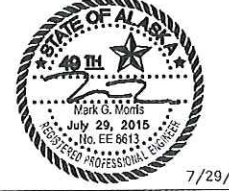
SHEET INDEX

SHEET NO.	DESCRIPTION
E1	GENERAL NOTES
E2	EXISTING SITE PLAN
E3	NEW SITE PLAN
E4	SINGLE LINE DIAGRAMS
E5	LIGHT POLE DETAIL

DESCRIPTION		DESCRIPTION	
TYP	TYPICAL	NM	NONMETALLIC
▽	GROUND BUS	KAIC	AMPS INTERRUPTING CAPACITY IN THOUSANDS
GRS	GALVANIZED RIGID STEEL	4P, 4W	FOUR POLE, FIVE WIRE (TYPICAL)
GND	GROUND	UNISTRUT	SUPPORT CHANNEL UNISTRUT BRAND OR EQUAL
W/	WITH	CIVIL	CIVIL PROJECT DRAWINGS
⊗	LUMINAIRE	EXTG	EXISTING
20/3	CIRCUIT BREAKER (AMPS/POLES)	S.S.	316L STAINLESS STEEL
	HEAVY DUTY DISCONNECT		PEDESTAL
			WORK NOT IN CONTRACT

Redline Drawings 5-25-16

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: M. MORRIS  7/29/15 CHECKED BY: LDS DRAWN BY: AQM	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOAST REGION ELFIN COVE OUTER HARBOR IMPROVEMENTS GENERAL NOTES, INDEX, AND LEGEND																		
PATH: E1 TAB: E1 Wednesday, July 29, 2015 4:29:26 PM ERIC VOGEL	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">REVISIONS</th> <th>PROJECT DESIGNATION</th> <th>YEAR</th> <th>SHEET NO.</th> <th>TOTAL SHEETS</th> </tr> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>7/15</td> <td>N.I.C. WORK</td> <td>83982</td> <td>2015 E1</td> <td>22</td> </tr> </tbody> </table>	REVISIONS		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS	NO.	DATE	DESCRIPTION				1	7/15	N.I.C. WORK	83982	2015 E1	22
REVISIONS		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS														
NO.	DATE	DESCRIPTION																	
1	7/15	N.I.C. WORK	83982	2015 E1	22														

Y:\102 STATE OF AK\34 ELFIN COVE OUTER HARBOR IMPROVEMENTS\WORKING DRAWINGS\PLAN.DWG SAVED 29-Jul-15 BY ERIC PLOT DATE 29-Jul-15

CHICHAGOF ISLAND

1
EXISTING POWER PEDESTALS
TO BE REMOVED,
N.I.C. MODIFIED AND REINSTALLED
SEE NEW SINGLE LINE DIAGRAM, SHEET E4

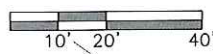
EXISTING 3/C NO. 2 AND GND TYPE W CABLE
TO BE REMOVED
REPLACE WITH 3/C NO. 2 AND GND TYPE G-GC CABLE
1
N.I.C.

REMOVE CABLE FROM SUPPORT POST
POST TO BE RELOCATED TO NEW FLOAT
COORDINATE POST LOCATION W/ GENERAL
1
N.I.C.

REMOVE CABLE FROM GANGWAY
EXISTING HEAVY DUTY DISCONNECT AND PANEL BOTH TO BE
REMOVED AND REINSTALLED AS SHOWN SEE SHEET E3
1
N.I.C.

EXISTING 2" C, 3 NO. 2
TO BE DISCONNECTED, REMOVED AND REINSTALLED

1 EXISTING SITE PLAN- ELECTRICAL



Record Drawings have been reviewed
by the Project Engineer, and represent
to the best of my knowledge, the
project as constructed.

PE *Dave Rbr* Date 7/12/16

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: M. MORRIS

7/29/15

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHCOST REGION

**ELFIN COVE OUTER HARBOR
IMPROVEMENTS**

EXISTING SITE PLAN

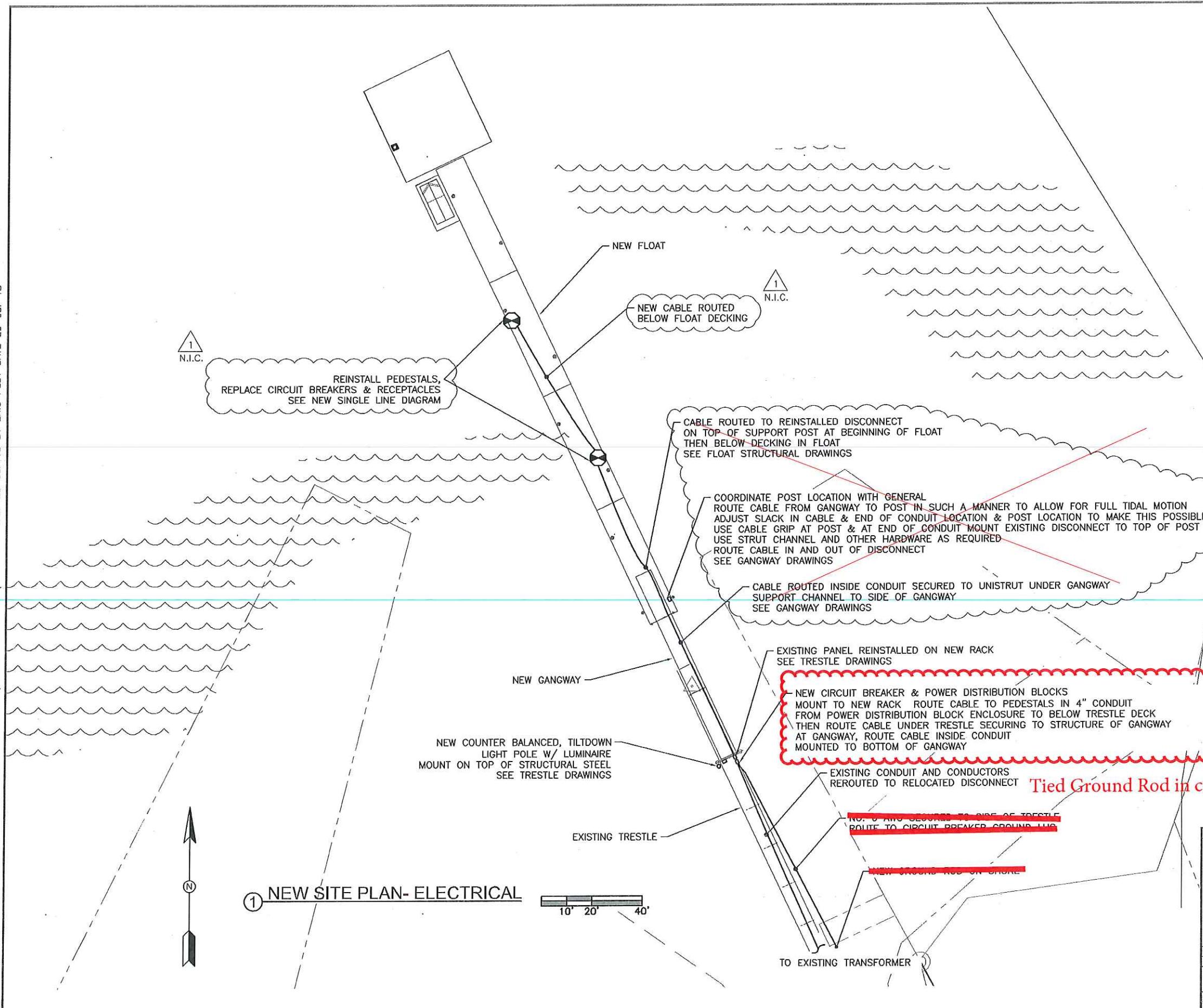
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DRAWN BY: AQM

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Y:\102 STATE OF AK\34 ELFIN COVE OUTER HARBOR IMPROVEMENTS\WORKING DRAWINGS\PLAN.DWG SAVED 29-Jul-15 BY ERIC PLOT DATE 29-Jul-15

CHICHAGOF ISLAND



1
N.I.C.

1
N.I.C.

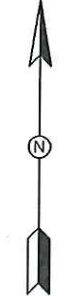
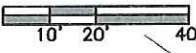
1
N.I.C.

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE *Donella* Date 7/12/16

NEW CIRCUIT BREAKER & POWER DISTRIBUTION BLOCKS MOUNT TO NEW RACK ROUTE CABLE TO PEDESTALS IN 4" CONDUIT FROM POWER DISTRIBUTION BLOCK ENCLOSURE TO BELOW TRESTLE DECK THEN ROUTE CABLE UNDER TRESTLE SECURING TO STRUCTURE OF GANGWAY AT GANGWAY, ROUTE CABLE INSIDE CONDUIT MOUNTED TO BOTTOM OF GANGWAY

Tied Ground Rod in conduit to ground rod in Transformer Vault

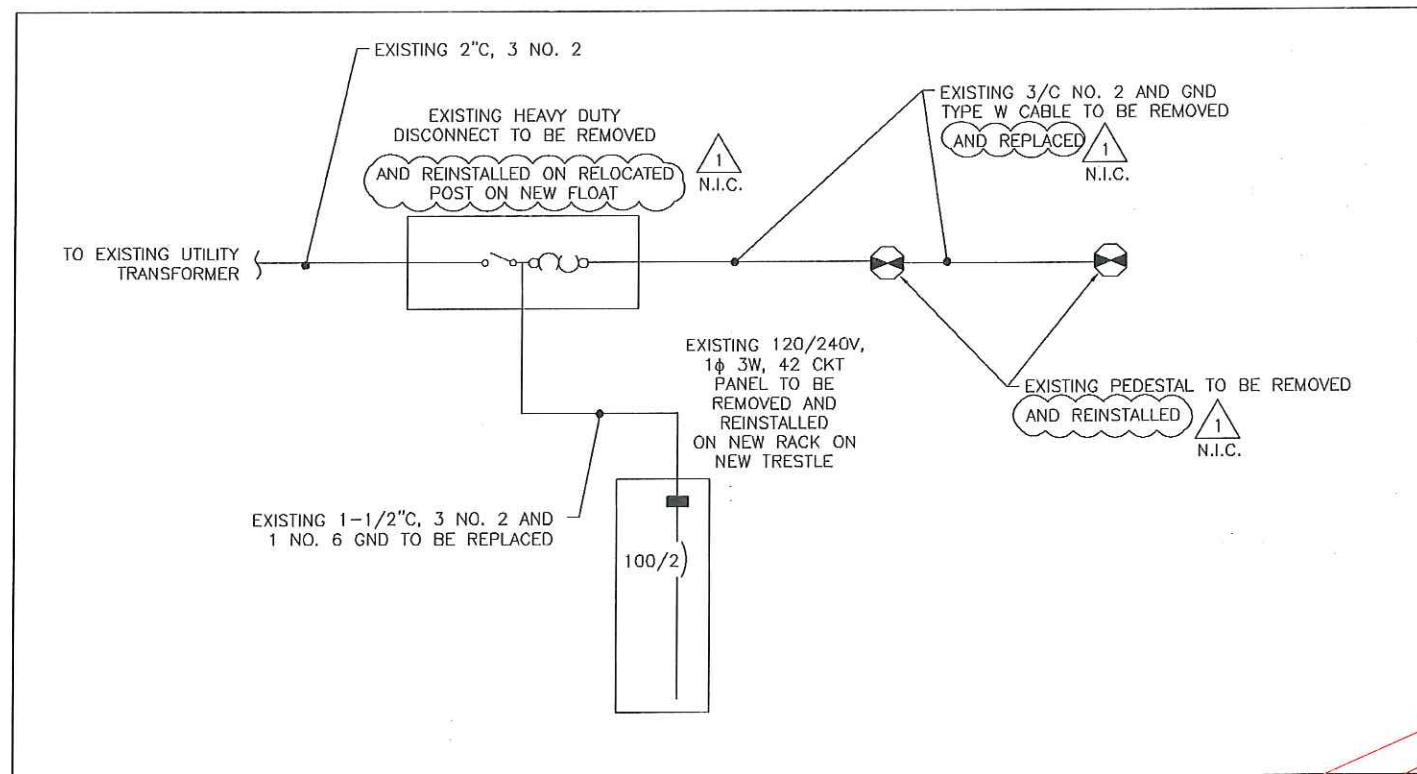
1 NEW SITE PLAN- ELECTRICAL



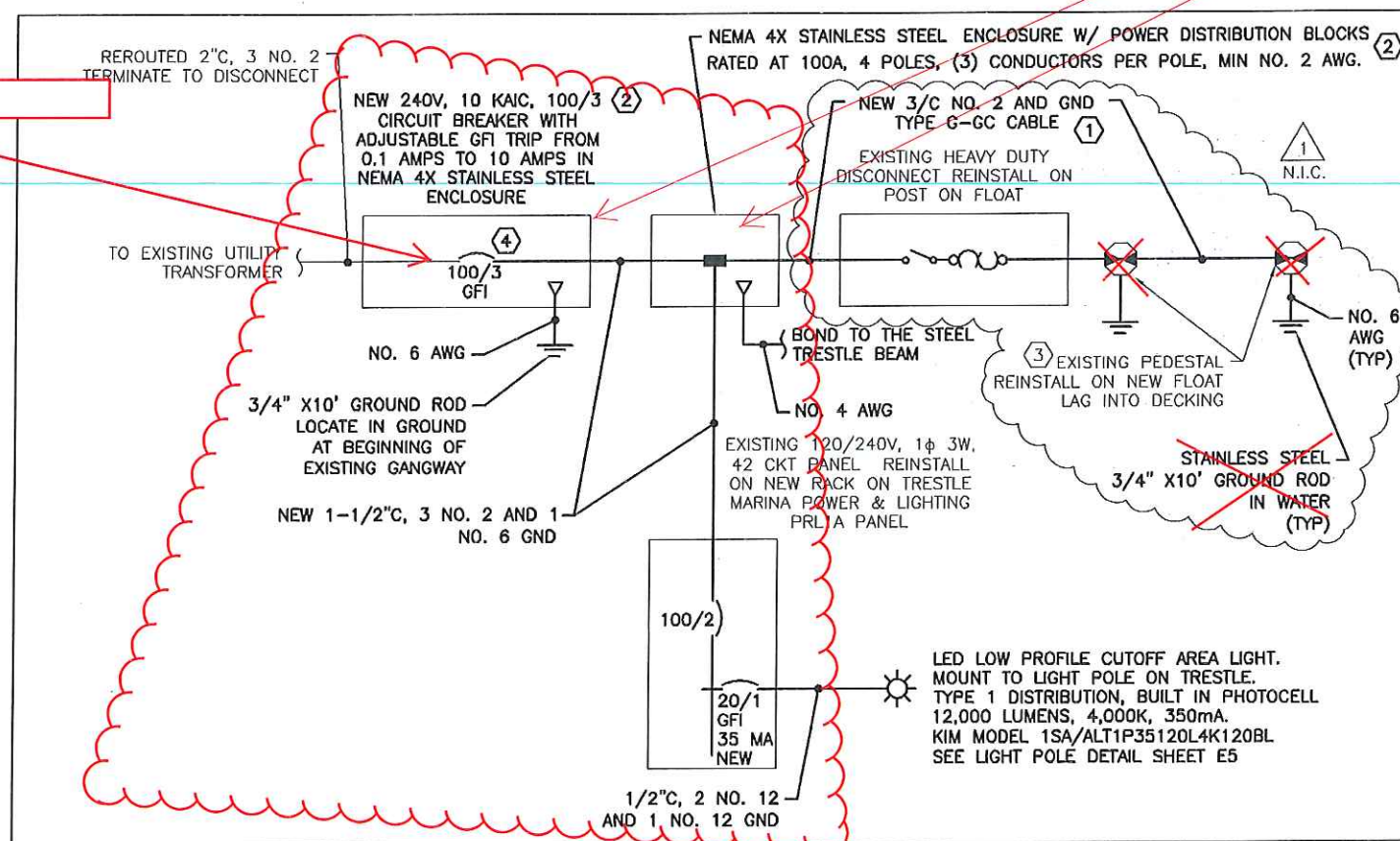
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: M. MORRIS		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOST REGION	
		ELFIN COVE OUTER HARBOR IMPROVEMENTS	
		NEW SITE PLAN	
CHECKED BY: LDS		YEAR	SHEET NO.
DRAWN BY: AQM		2015	E3
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NO.	DATE	DESCRIPTION	
1	7/15	N.I.C. WORK	

Y:\102 STATE OF AK\34 ELFIN COVE OUTER HARBOR IMPROVEMENTS\WORKING DRAWINGS\E4.DWG SAVED 29-Jul-15 BY LISA PLOT DATE 29-Jul-15



1 EXISTING SINGLE LINE DIAGRAM
NO SCALE



2 NEW SINGLE LINE DIAGRAM
NO SCALE

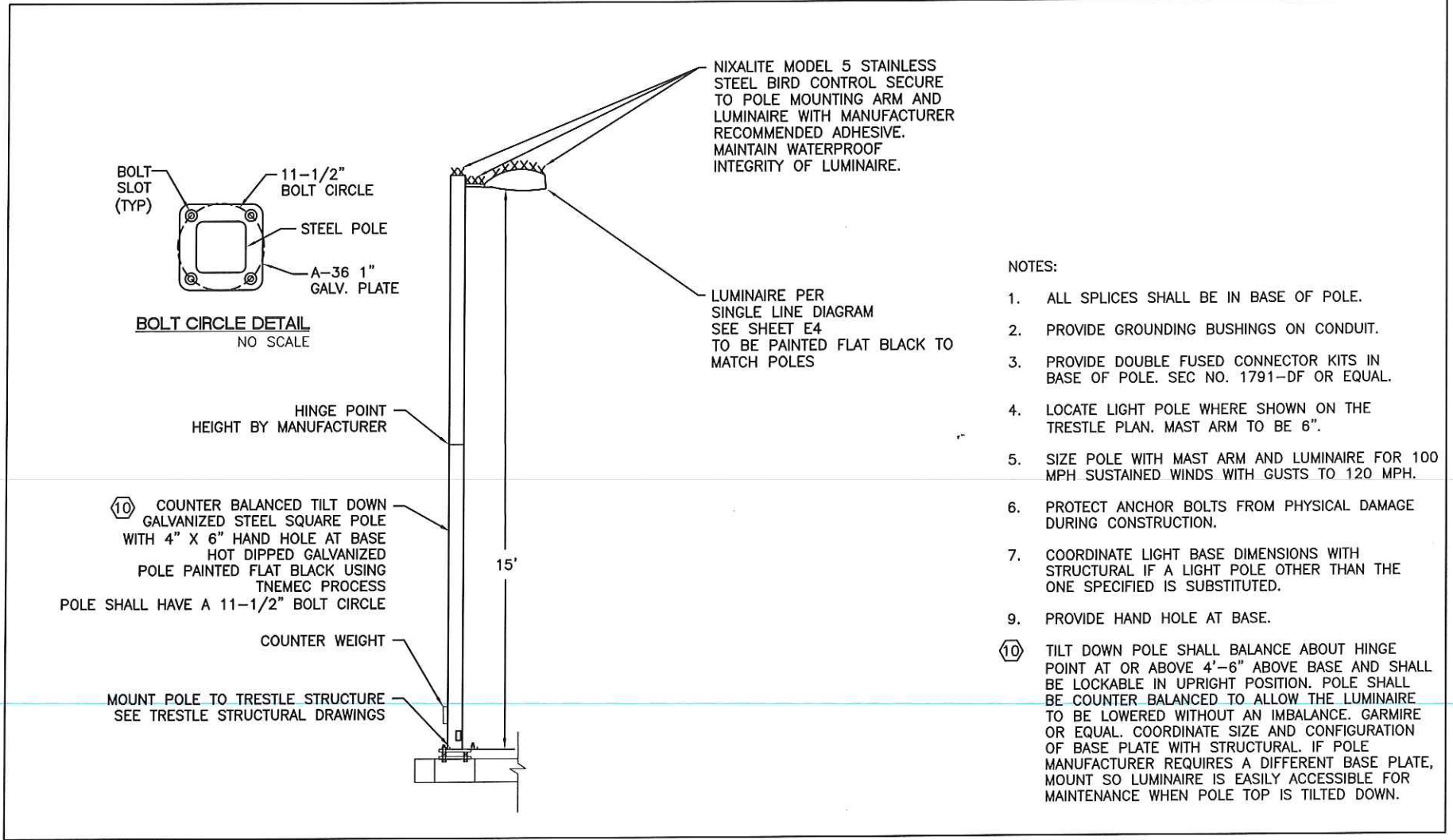
NOTES:

- 1 ROUTE IN 4" SCHEDULE 80 PVC CONDUIT UNDER GANGWAY. MOUNT CONDUIT TO ALUMINUM UNISTRUT WELDED TO BOTTOM OF GANGWAY. SEE STRUCTURAL GANGWAY DRAWINGS. USE CABLE GRIP CONNECTORS ON EACH END OF CONDUIT. ROUTE CABLE TO DISCONNECT ON TOP OF 4' POST ON FLOAT THEN INTO FLOAT. USE CABLE GRIP WHERE CABLE EXITS AND ENTERS DISCONNECT. ROUTE CABLE INSIDE FLOAT ON CABLE TRAY TO PEDESTAL. SWEEP CABLE DOWN THEN UP INTO PEDESTAL. MINIMUM BENDING RADIUS FOR ALL CABLES IS 8 TIMES THE DIAMETER OF THE CABLE. SPRAY SELF-EXPANDING FOAM AROUND CABLE WITH 1/4" CLEAR DRAIN TUBE SO WATER WILL DRAIN OUT OF BOTTOM OF PEDESTAL BUT BOTTOM OF PEDESTAL IS SEALED WITH FOAM.
- 2 THE CIRCUIT BREAKER AND POWER DISTRIBUTION BLOCKS MAY BE COMBINED INTO ONE ENCLOSURE. MARINA POWER & LIGHTING INC. OR EQUAL. (1-800-723-8009)
- 3 EXISTING PEDESTAL REINSTALL ON NEW FLOAT. LAG INTO DECKING. REPLACE ALL CIRCUIT BREAKERS AND RECEPTACLES IN PEDESTALS. FOR EACH SIDE OF PEDESTAL PROVIDE A 30A, 120V CIRCUIT BREAKER W/ 35MA GFI TRIP WITH A 30A, 125V TWIST LOCK RECEPTACLE (L5-30R). PROVIDE BLANK COVER PLATES FOR REMAINING PORTIONS OF CIRCUIT BREAKER AND RECEPTACLE MOUNTING AREAS. EXISTING PEDESTALS ARE MADE BY MARINA POWER & LIGHTING INC. (1-800-723-8009) MODEL LIGHTHOUSE LH3050 THERE ARE (3) CIRCUIT BREAKERS AND (2) RECEPTACLES ON EACH SIDE. REMOVE ALL EXISTING CIRCUIT BREAKERS AND RECEPTACLES. OBTAIN REPLACEMENT PARTS FROM MARINA POWER & LIGHTING INC. PROVIDE A GROUND ROD AT EACH PEDESTAL. BOND TO GROUND LUG IN PEDESTAL WITH NO.6 AWG. ADD LUG IF NEEDED.
- 4 A 100/2 CIRCUIT BRAKER MAY BE PROVIDED IF IT HAS THE SAME FEATURES AS SHOWN FOR THE 100/3 CIRCUIT BREAKER. THE LINE VOLTAGE IS 120/240V, SINGLE PHASE.

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE *Dan He* Date 7/12/16

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

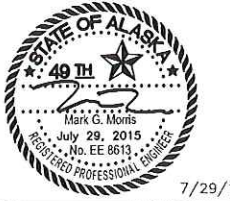
DESIGNED BY: M. MORRIS		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOST REGION															
		ELFIN COVE OUTER HARBOR IMPROVEMENTS															
		SINGLE LINE DIAGRAMS															
CHECKED BY: LDS	7/29/15	PROJECT DESIGNATION	YEAR														
DRAWN BY: AQM		83982	2015														
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1	7/15	N.I.C. WORK															
YEAR	SHEET NO.	TOTAL SHEETS															
2015	E4	22															



TILT DOWN LIGHT POLE DETAIL (TYP)
NO SCALE

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE *Dem Rb* Date 7/12/16

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: M. MORRIS	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOST REGION			
	ELFIN COVE OUTER HARBOR IMPROVEMENTS			
	LIGHT POLE DETAILS			
CHECKED BY: LDS	ERIC VOGEL			
DRAWN BY: AQM	Wednesday, July 29, 2015 4:31:21 PM			
PATH: E5 E5	PROJECT DESIGNATION			
TAB: E5	YEAR			
	SHEET NO.			
	TOTAL SHEETS			
	83982		2015	E5
				22