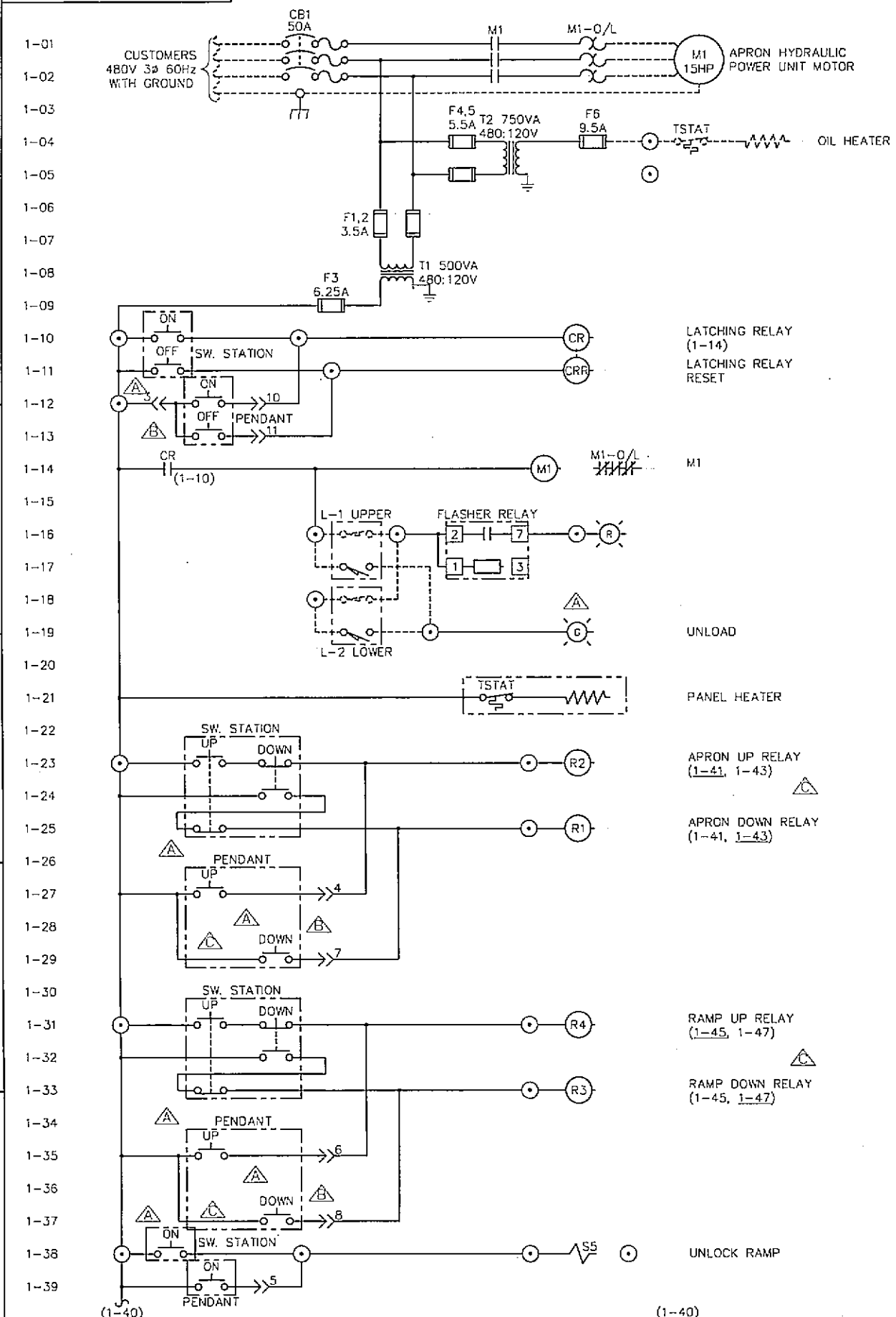
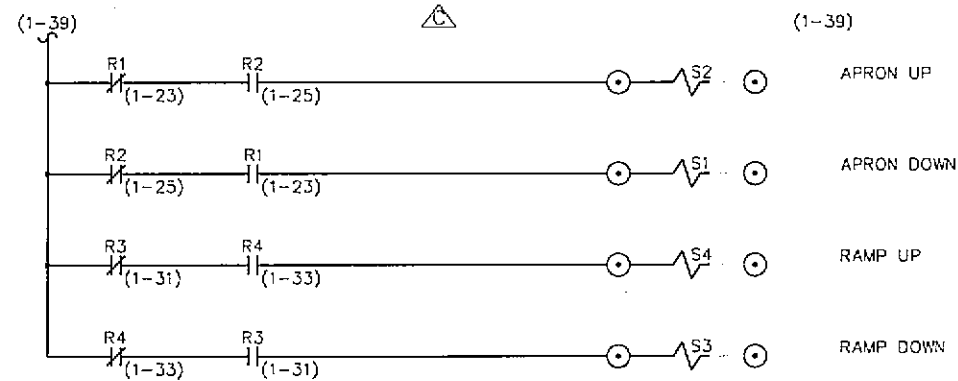


THIS DRAWING AND ALL SPECIFICATIONS HEREIN, ARE PROPERTY OF ANDERSON ELECTRIC CONTROLS, INC. IT SHALL NOT BE REPRODUCED, COPIED, OR USED IN WHOLE OR IN PART, AS THE BASIS FOR MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.



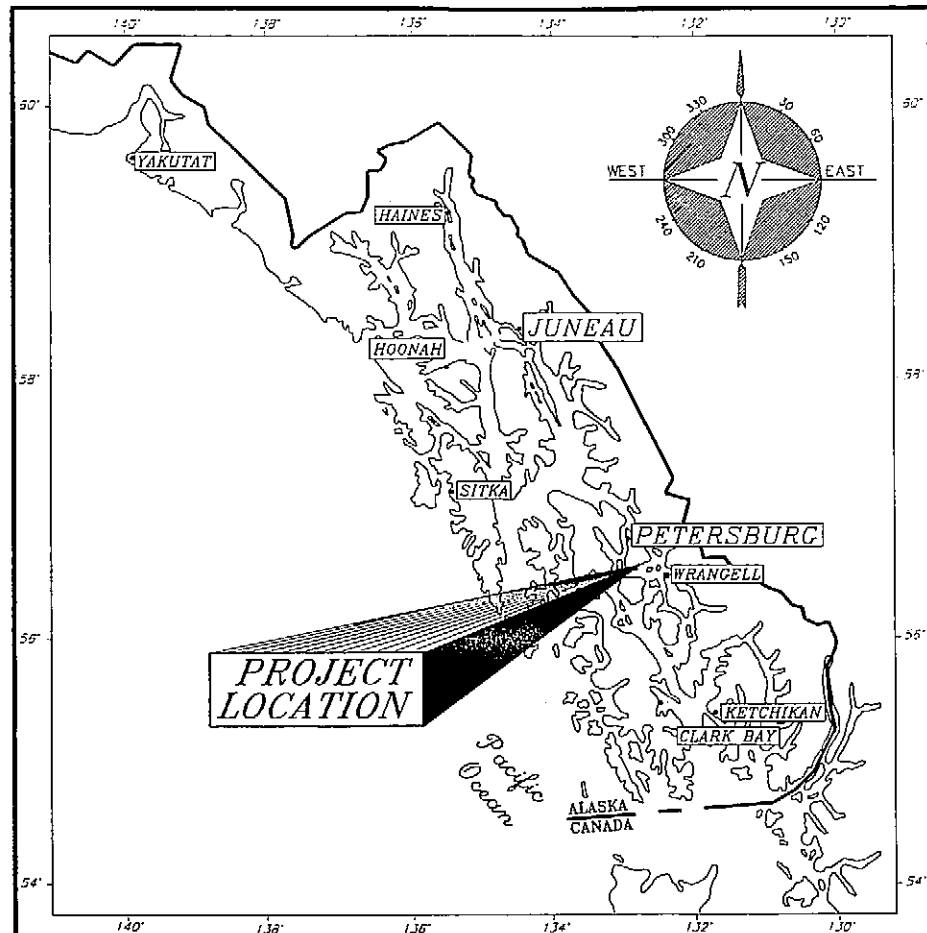
- 1-01
- 1-02
- 1-03
- 1-04
- 1-05
- 1-06
- 1-07
- 1-08
- 1-09
- 1-10
- 1-11
- 1-12
- 1-13
- 1-14
- 1-15
- 1-16
- 1-17
- 1-18
- 1-19
- 1-20
- 1-21
- 1-22
- 1-23
- 1-24
- 1-25
- 1-26
- 1-27
- 1-28
- 1-29
- 1-30
- 1-31
- 1-32
- 1-33
- 1-34
- 1-35
- 1-36
- 1-37
- 1-38
- 1-39
- 1-40
- 1-41
- 1-42
- 1-43
- 1-44
- 1-45
- 1-46
- 1-47
- 1-48
- 1-49
- 1-50
- 1-51
- 1-52
- 1-53
- 1-54
- 1-55
- 1-56
- 1-57
- 1-58
- 1-59
- 1-60
- 1-61
- 1-62
- 1-63
- 1-64
- 1-65
- 1-66
- 1-67
- 1-68
- 1-69
- 1-70
- 1-71
- 1-72
- 1-73
- 1-74
- 1-75
- 1-76



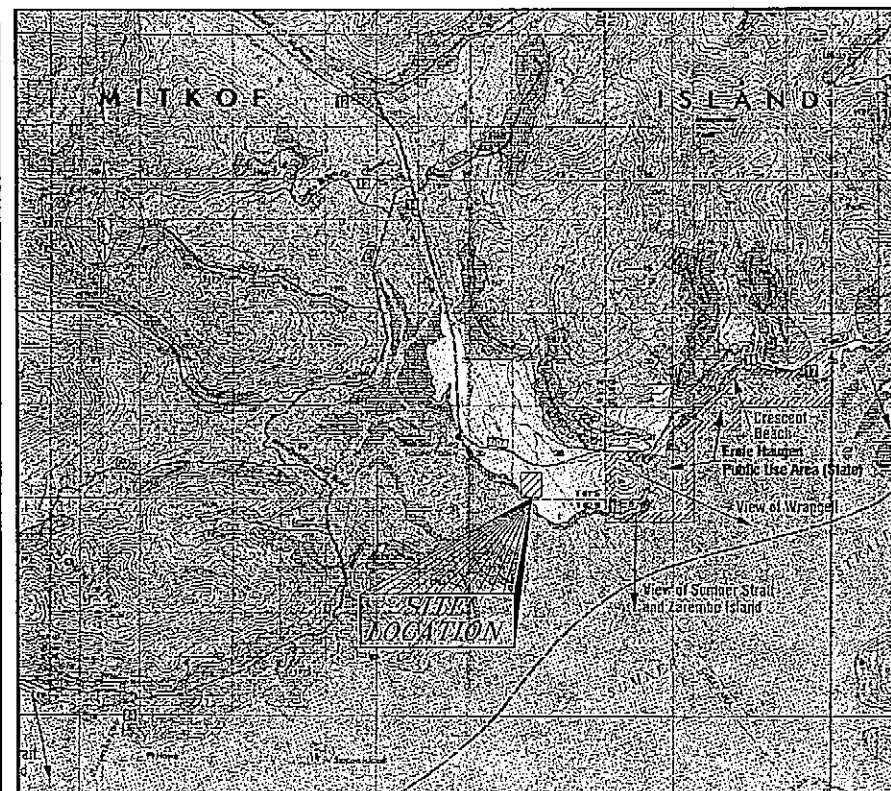
AS-BUILT
11-14-06
KAM

C	DELETE APRON AND RAMP UP SS CONTACT IN DOWN CIRCUIT, MOVE S1-S4 TO RELAY CONTROL.		6/27/05	DMM/DS
H	CORRECT PENDANT SWITCHES AND CONNECTOR PIN NUMBERS.		7/25/05	DMM/DS
A	UNLOAD PI WAS RED, INDICATE SW STATION AND PENDANT		7/27/05	DMM/DS
ZONE	REV.	DESCRIPTION	DATE	APPROVED
REVISIONS				

		ANDERSON ELECTRIC CONTROLS INC. ELECTRICAL/ELECTRONIC POWER AND AUTOMATED CONTROL SYSTEMS 8639 S. 212th ST. KENT WA. 98031 (253) 395-3003	
	DATE	DWG TITLE	DWG NO.
DRAWN D.MORGAN	5/17/05	SOUTH MITKOF FERRY TERMINAL CONTROL STATION SCHEMATIC	1379601
CHECKED			
ENGINEER D.SHULL	5/17/05		
ACAD FILENAME: 137960101		SCALE 1:1	D SIZE



Location Map



Vicinity Map

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
SOUTHEAST REGION

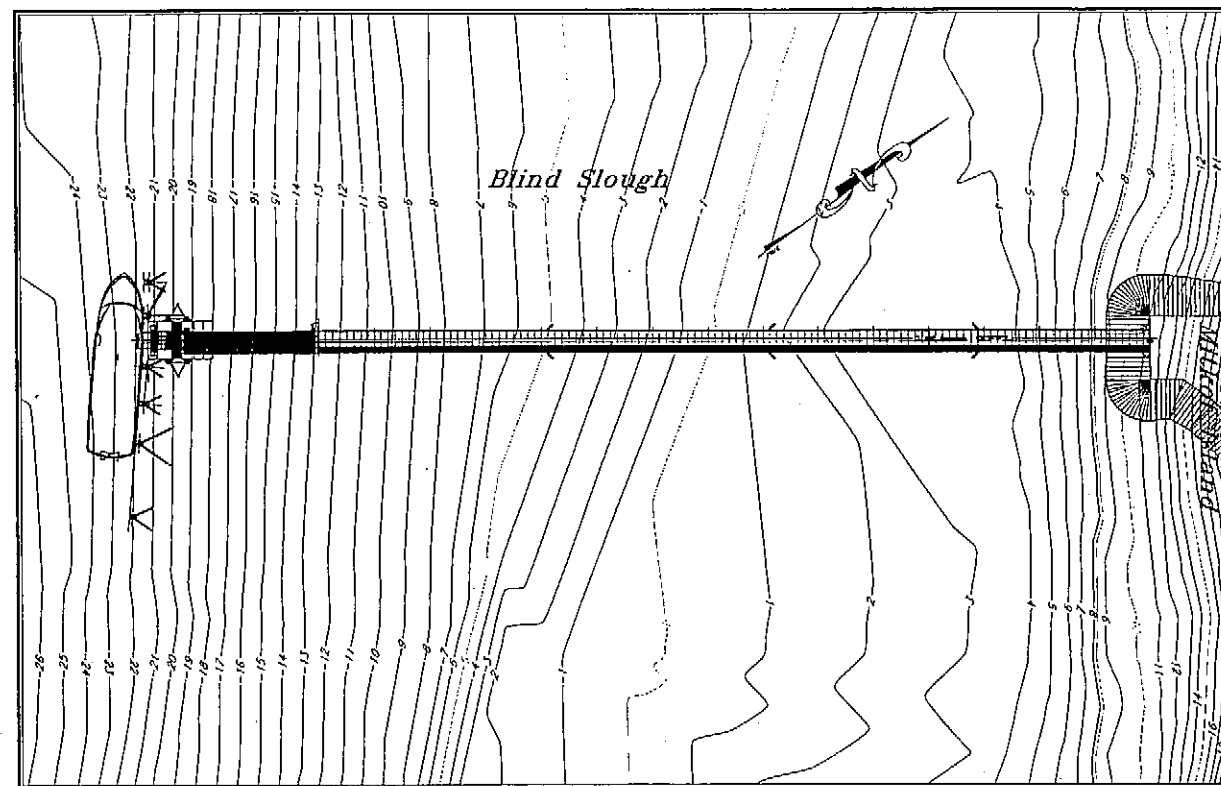
PETERSBURG, ALASKA

*SOUTH MITKOF
FERRY TERMINAL
MARINE FACILITIES PLANSET*

PROJECT NO.
MGS-MGE-STP-0003(65)/67833

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	Title Sheet
2	Estimate of Quantities
3	Survey Control
4	Site Plan
5-6	Approach & Marine Layout
7-8	Pile Layouts
9-27	Approach
28-40	Transfer Bridge
41	Pontoon & Pedestrian Platform Layout
42	Pontoon
43	Pontoon & Ramp Utilities
44-50	Pontoon Restraint Dolphins ER & WR
51-56	Pedestrian Platform
57-70	Ramp & Apron
71-74	Mooring Structures E1 & E2 w/ TS Fender Panel
75-79	Mooring Structures E1 & E2 w/ W Fender Panel
80-83	Mooring Structure W2 w/ TS Fender Panel
84-88	Mooring Structure W2 w/ W Fender Panel
89-90	Mooring Structures W1 & E3
91-92	Mooring Structure E4
93	Cathodic Protection
94-96	Additive Alternate "A" - Acrylic Glazing on Walkway Covers
ME1-ME5	Marine Electrical



Proposed Terminal Site

AS-BUILT
11-4-05 KAM

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHEAST REGION	
APPROVED <i>[Signature]</i> Regional Reconstruction Engineer Patrick J. Kemp	Date 4/27/05
APPROVED <i>[Signature]</i> Director, S.E. Region Gary L. Paxson	Date 4/27/05
PROJECT NUMBER: 67833	
DATE: 2005	
SHEET 1 OF 96	

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM	EST. UNIT	ESTIMATE QUANTITY
	<u>BASIC BID</u>		
504(01)	STEEL APPROACH & WALKWAY COVER	L.S.	ALL REQUIRED
504(02)	TRANSFER BRIDGE, BEARINGS AND WALKWAY COVER	L.S.	ALL REQUIRED
504(03)	TRANSFER BRIDGE ABUTMENT	L.S.	ALL REQUIRED
504(04)	STEEL TRANSFER PONTOON SYSTEM	L.S.	ALL REQUIRED
504(05)	ANODES & CABLES FOR PONTOON & PILES	L.S.	ALL REQUIRED
504(06)	TRANSFER PONTOON PLATFORM	L.S.	ALL REQUIRED
504(07)	INTERMEDIATE RAMP AND APRON	L.S.	ALL REQUIRED
504(08)	3-PILE PONTOON RESTRAINT DOLPHIN (ER & WR)	EA	2
504(09)	PONTOON RESTRAINT FENDER SYSTEMS	L.S.	ALL REQUIRED
504(10A)	3-PILE FLOATING FENDER MOORING STRUCTURES (W1 & E3), CAP & ATTACHMENTS	EA	2
504(10B)	3-PILE FLOATING FENDER MOORING STRUCTURE (E4), CAP & ATTACHMENTS	EA	1
504(10C)	3-PILE MOORING STRUCTURES (E1 & E2), CAP & FENDER SYSTEM	EA	2
504(10D)	3-PILE MOORING STRUCTURE (W2), CAP & FENDER SYSTEM	EA	1
505(1)	30" DIA. X 1/2" WALL PIPE PILES, FURNISHED	L.F.	129
505(2)	30" DIA. X 1/2" WALL PIPE PILES, DRIVEN	EACH	3
505(3)	24" DIA. X 1/2" WALL PIPE PILES, FURNISHED	L.F.	506
505(4)	24" DIA. X 1/2" WALL PIPE PILES, DRIVEN	EACH	9
505(5)	18" DIA. X 1/2" WALL PIPE PILES, FURNISHED	L.F.	2749
505(6)	18" DIA. X 1/2" WALL PIPE PILES, DRIVEN	EACH	54
505(9)	DRILLED PILE SOCKET	EACH	50
518(1)	PRESTRESSED PILE ANCHORS - APPROACH & ABUTMENTS	EACH	40
518(2)	PRESTRESSED PILE ANCHORS - RESTRAINT & MOORING/FENDERING STRUCTURES	EACH	24
520(1)	6' DIA. FLOATING FENDER (E4)	EACH	1
520(2)	8' DIA. X 4' DIA. FLOATING FENDERS (W1 & E3)	EACH	2
640(1)	MOBILIZATION & DEMOBILIZATION	L.S.	ALL REQUIRED
640(4)	WORKER MEALS AND LODGING, or PER DIEM	L.S.	ALL REQUIRED
641(1)	EROSION & POLLUTION CONTROL ADMINISTRATION	L.S.	ALL REQUIRED
641(2)	TEMPORARY EROSION AND POLLUTION CONTROL	C.S.	ALL REQUIRED
642(1)	CONSTRUCTION SURVEYING BY THE CONTRACTOR	L.S.	ALL REQUIRED
644(1)	FIELD OFFICE	L.S.	ALL REQUIRED
644(2)	FIELD LABORATORY	L.S.	ALL REQUIRED
644(7)	VEHICLE & SKIFF	L.S.	ALL REQUIRED
662(1)	ELECTRICAL POWER & LIGHTING SYSTEM	L.S.	ALL REQUIRED
662(2)	RAMP & APRON ELECTRICAL SYSTEM (MARINE)	L.S.	ALL REQUIRED
662(3)	PONTOON, TRANSFER BRIDGE & APPROACH LIGHTING SYSTEM (MARINE)	L.S.	ALL REQUIRED
504(11)	ALTERNATE "A" - ACRYLIC GLAZING SYSTEM ON COVERED WALKWAYS	L.S.	ALL REQUIRED

GENERAL NOTES -
MARINE STRUCTURES AND COMPONENTS

Specifications: Per Contract Documents for Project No. MGS-MGE-STP-0003(65) ~ 67833

Construction: Per Contract Documents for Project No. MGS-MGE-STP-0003(65) ~ 67833

Design

Standards: AKDOT/PF & Southeast Region Marine Engineering Design
Standards & AASHTO

Design Loads: Mooring and Fender Structures:

Side Berth Vessel Berthing @ 30ft-k service

Side Berth Mooring Load @ 50 kips line load

Design Vessels:

Inter-Island Ferry Authority - M/V Prince of Wales class

Alaska Marine Highway System - Fast Vehicle Ferry M/V Fairweather class

Bridge - LL Vehicle Lane: AASHTO HS20

- LL Pedestrian Walkway: 85 psf

MaterialsConcrete: Class A = 4000 psi. or Class A-A = 5000 psi
Reinforcement: Grade 60, Fy = 60 ksi

Steel Shapes

& Plates: Plates and shapes - ASTM A36 unless otherwise noted
Tube Sections - ASTM A500 Grade B

Pipe - ASTM A53, Grade B, Type E or S

Stainless Steel - ASTM Type T316

Charpy Group 2 impact requirements shall apply where noted on Plans.

Piling: Steel pipe - ASTM A252 Grade 2 with A36 chemistry and mechanical properties
Size - As noted on Plans and Pile Tables

Steel Grating: Welded bar type, serrated top, thickness & bar spacings as noted on Plans.

UHMW: Ultra High Molecular Weight Plastic, ASTM D4020

Hardware: ASTM A325

Aluminum Plates & Shapes: ASTM 6061-T6

Protective Coatings:

All steel, piling and weldments: Galvanized after fabrication per Spec's, unless otherwise noted.

Approach: Galvanized after fabrication per Spec's.

Barge/Float/Pontoon: Exterior coating per Spec's, System 1 - See also Bridge Support Layout sheet.

Platforms, Weldments, Mooring Structures and Fenders: Galvanized after fabrication per Spec's.

Transfer Bridge: Shop painted during and after fabrication per Spec's, System 5.

Apron: Galvanized after fabrication per Spec's.

Non-Skid Coating For Steel: For portions of galvanized apron and galvanized transition plates subject to pedestrian traffic (and as shown on the plans), blast clean as required after galvanizing and apply 10 mils of spray metallized zinc, followed by 2-3 mils of spray metallized (large particle size) non-skid. [Optionally fabricator may use large particle size steel spray metallizing prior to galvanizing.]

Non-Skid for Concrete Surfacing not under walkway cover: Per Spec's and as shown on plans.

Piling:

Materials

& Size: Per above and as per Pile Tables

Tips:

Reinforced tips / Drive Shoes Required on all piling

Anchoring

Requirements: See Pile Layout sheets and Spec's

Driving

Requirements: See Pile Layout Sheets, Tables and Spec's

Piles shall be initially driven to refusal with a vibratory hammer, unless otherwise noted.

Final driving to refusal in rock shall be accomplished with an impact hammer of the

min. specified size and energy.

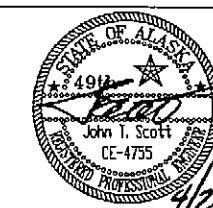
Selected piles shall be driven into predrilled sockets with an impact hammer only.

All piles shall have prestressed rock anchors installed of the size and type shown

on the Pile Layout sheets and as required by the Pile Tables, notes and specifications.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: J. Scott



CHECKED BY: B. Savikku

DRAWN BY: J. Scott

PATH: O:\Psg\67833\MF\PlanSet\002 Estimate of Quantities.dwg

PLOT: PSPACE 1=1

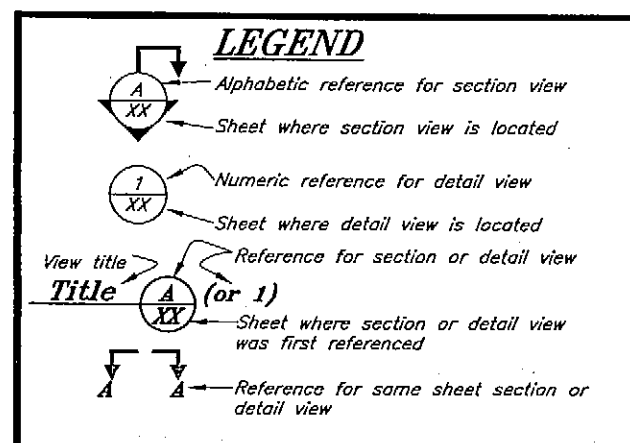
Mon, 25/Apr/05 01:17PM

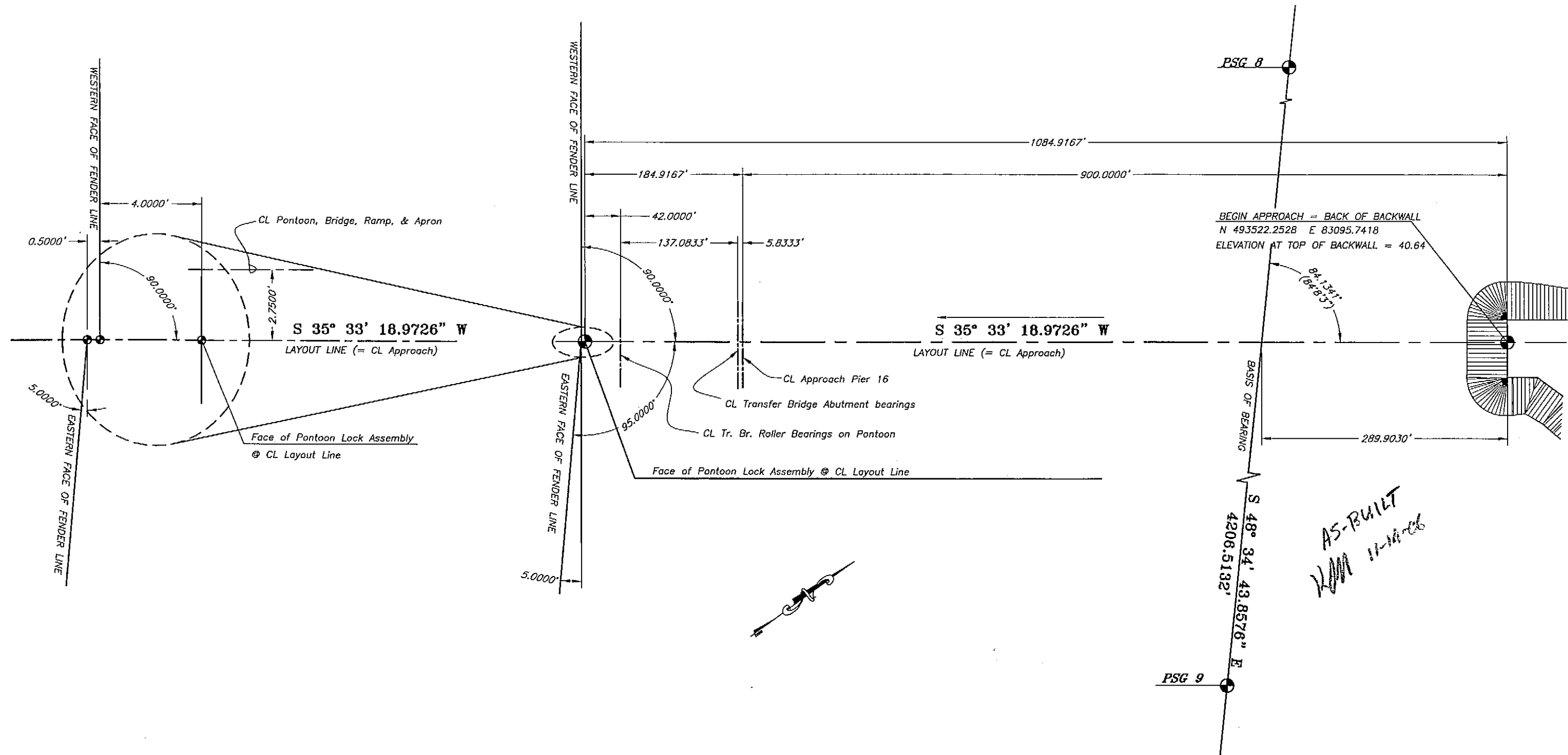
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

South Mitkof Ferry Terminal

Quantities &
General Notes

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			67833	2005	2	96





HORIZONTAL CONTROL

The basis of Horizontal Control is DOT/PF points PSG-8 to PSG-9 along basis of bearing S48° 34' 43.8576" E for a distance of 4206.5132 feet.

VERTICAL CONTROL

For this project, PSG 8 is to be used for vertical control. PSG 8 observed elevation is 14.93 feet above MLLW.

NOTE: See Uplands drawings for additional horizontal and vertical control information.

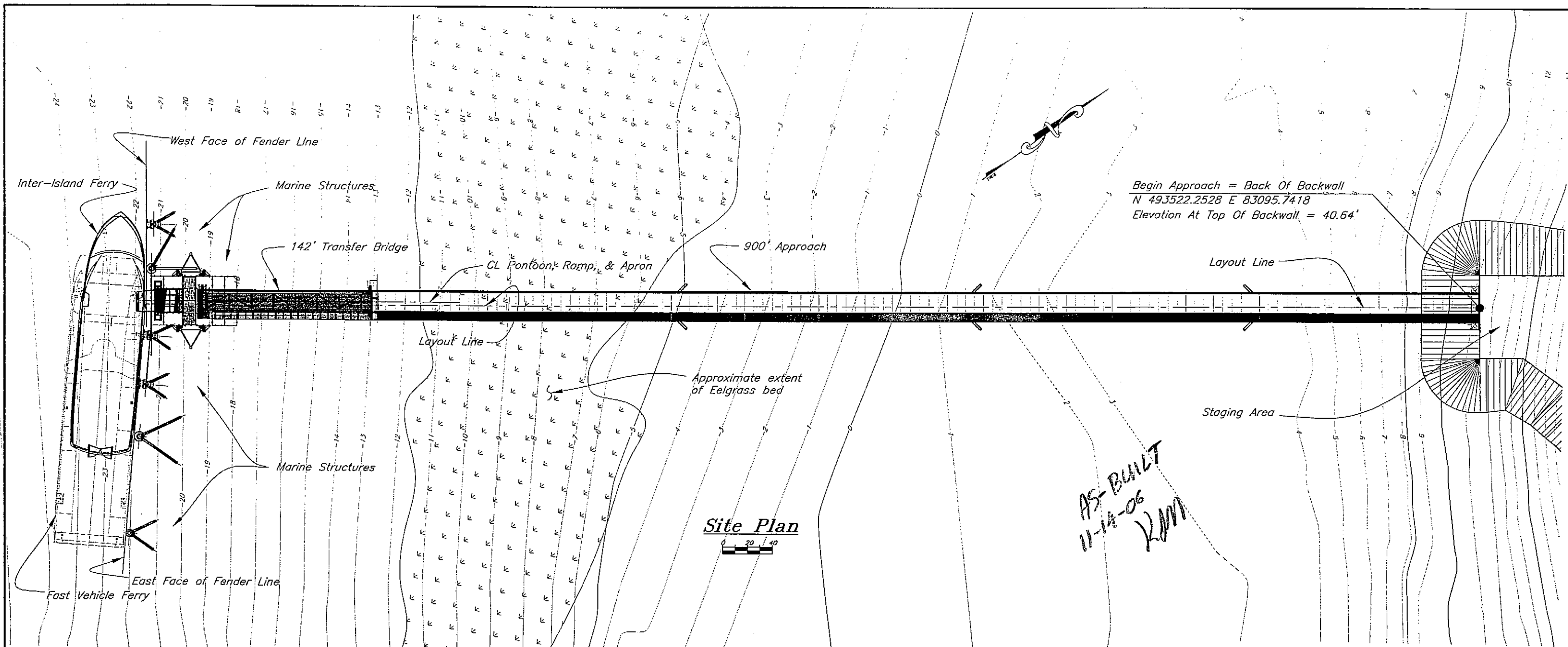
Survey Control

COORDINATE TABLE

UNITS ARE US SURVEY FEET. DATUM IS NAD83(96). VERTICAL IS MLLW BASED ON A SERIES OF TIDE SHOTS COMPARED TO PSG TIDE STATION. GEODETIC COORDINATES ARE EXPRESSED IN DEGREES, MINUTES, SECONDS FORMAT									
POINT	LOCAL NORTH	LOCAL EAST	ORTHO HT	DESC	LAT	LON	AKSPC GRID NORTH	AKSPC GRID EAST	
8	494458.4125	81598.7692	14.93	GPS_ALCTRL2*PSG8	56.32130902	-132.43048876	1718979.1181	2877404.4185	
9	491675.4308	84753.0942	11.97	GPS_ALCTRL2*PSG9	56.31456861	-132.42086046	1716242.7229	2880598.7099	

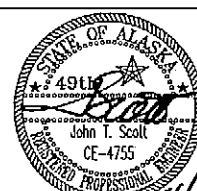
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

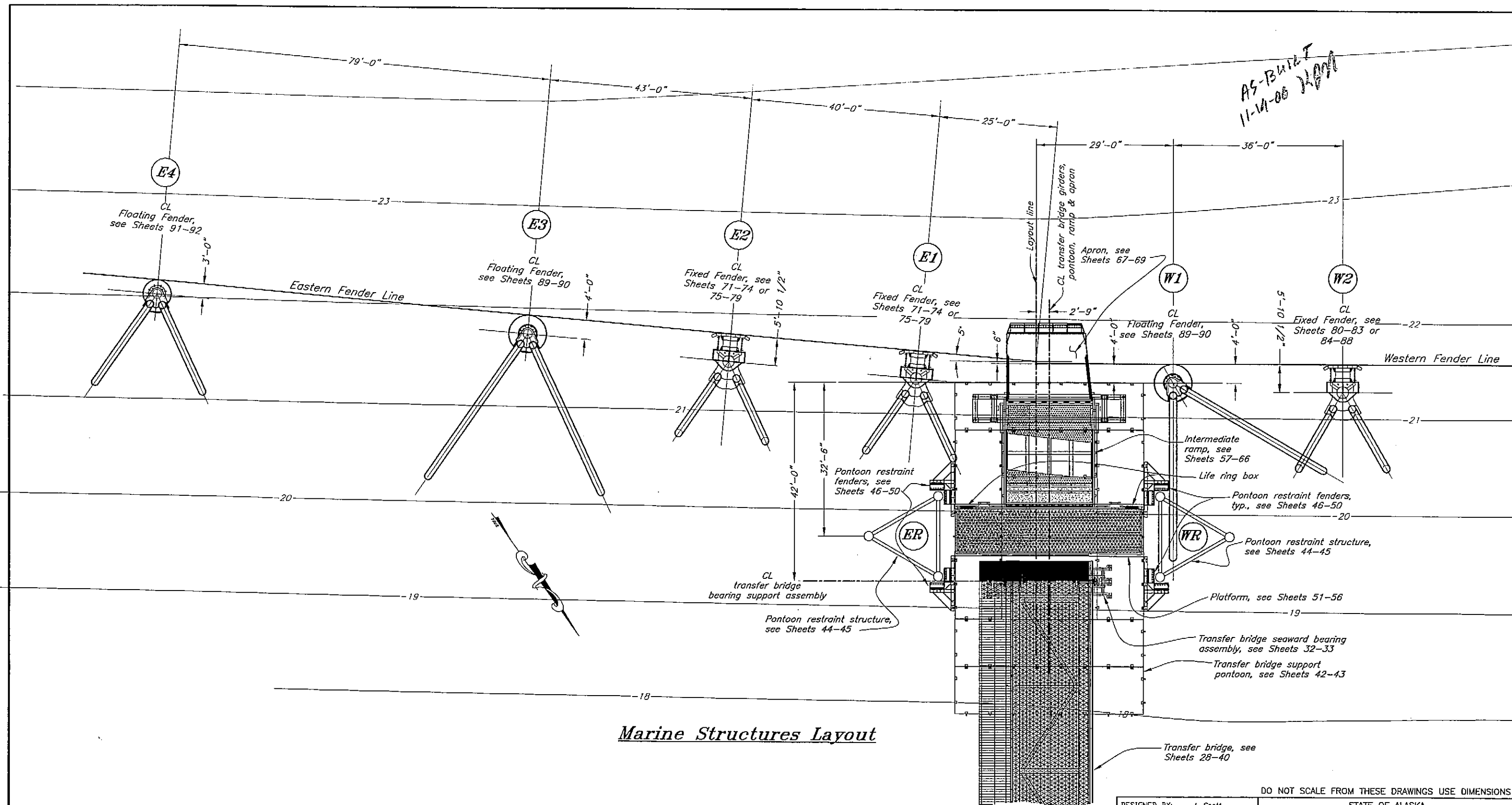
DESIGNED BY: J. Scott		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION			
		South Mitkof Ferry Terminal			
		Marine Survey Control			
CHECKED BY: B. Sankko		PROJECT DESIGNATION: 67833			
DRAWN BY: Scott/Fuman		YEAR: 2005			
PATH: Q:\Psg\67833\MF\PlanSet\003 Survey Control.dwg		SHEET NO.: 3			
PLOT: PSPACE 1=1 Tab: Controls		TOTAL SHEETS: 96			
Tue, 05/Apr/05 09:41AM					



Tidal Data	
EHW =	+ 20.0
MLW =	0.00
ELW =	- 5.0

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

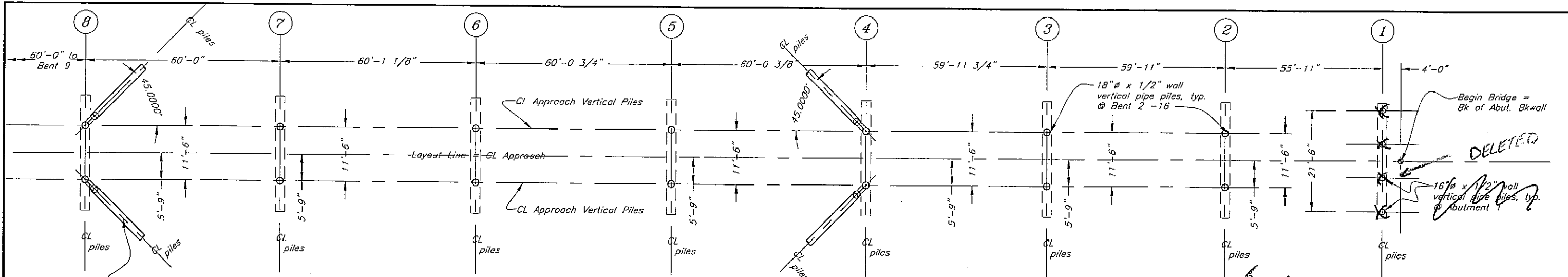
DESIGNED BY: J. Scott		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION																					
		South Mitkof Ferry Terminal																					
CHECKED BY: B. Savikko		Marine Site Plan																					
DRAWN BY: Scott/Fuman																							
PATH: Q:\Psg\67833\MF\PlanSet\004 Site Plan.dwg		Tue, 05/Apr/05 10:00AM																					
PLOT: PSPACE 1=1		Tab: Layout1																					
<table border="1"> <thead> <tr> <th colspan="2">REVISIONS</th> <th rowspan="2">PROJECT DESIGNATION</th> <th rowspan="2">YEAR</th> <th rowspan="2">SHEET NO.</th> <th rowspan="2">TOTAL SHEETS</th> </tr> <tr> <th>NO.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td rowspan="4">67833</td> <td rowspan="4">2005</td> <td rowspan="4">4</td> <td rowspan="4">96</td> </tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>		REVISIONS		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS	NO.	DATE			67833	2005	4	96								
REVISIONS		PROJECT DESIGNATION	YEAR					SHEET NO.	TOTAL SHEETS														
NO.	DATE																						
		67833	2005	4	96																		



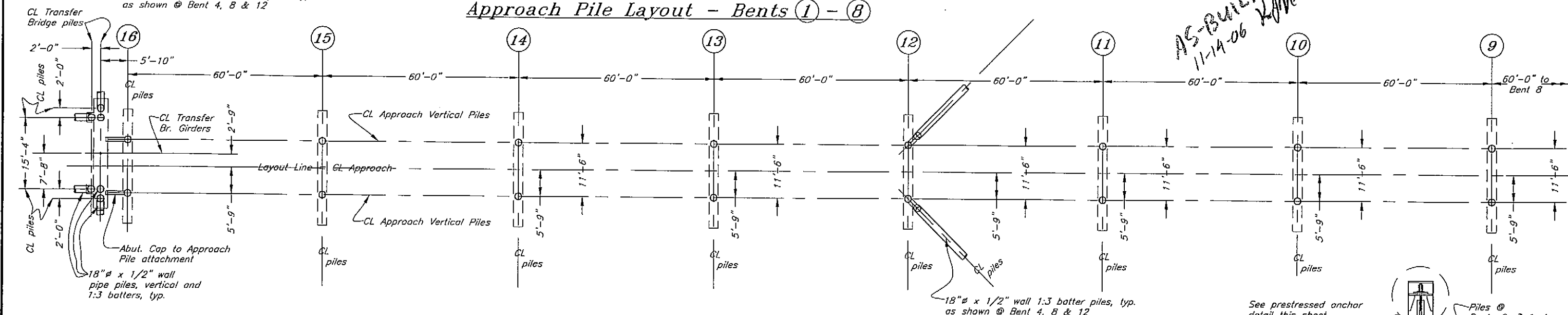
Marine Structures Layout

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: J. Scott		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION			
		South Mitkof Ferry Terminal			
		Marine Structures Layout			
CHECKED BY: B. Savikko		Tue, 26/Apr/05 12:31PM			
DRAWN BY: Scott/Fuman		PROJECT DESIGNATION			
PATH: Q:\Psg\67833\MF\Plans\006 Marine layout.dwg		YEAR			
PLOT: PSPACE 1=1		SHEET NO.			
		TOTAL SHEETS			
		67833 2005 6 96			



Approach Pile Layout - Bents 1 - 8

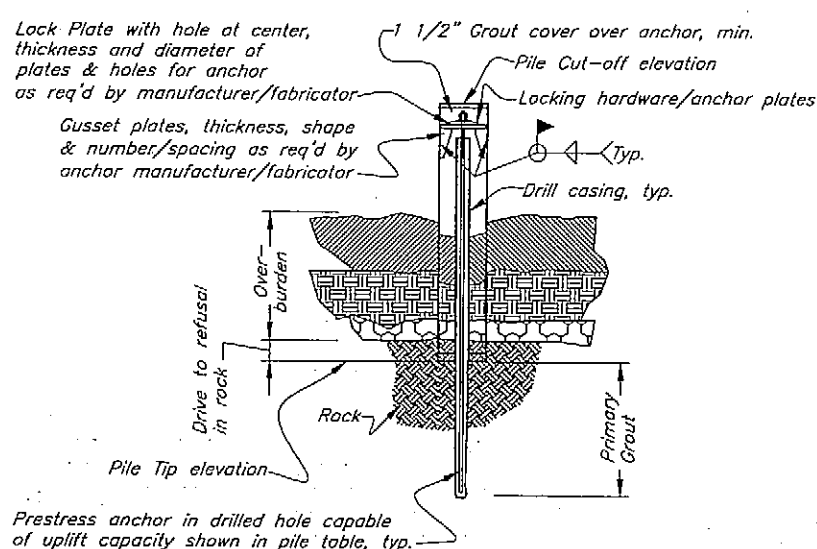


Approach Pile Layout - Bents 9 - 16

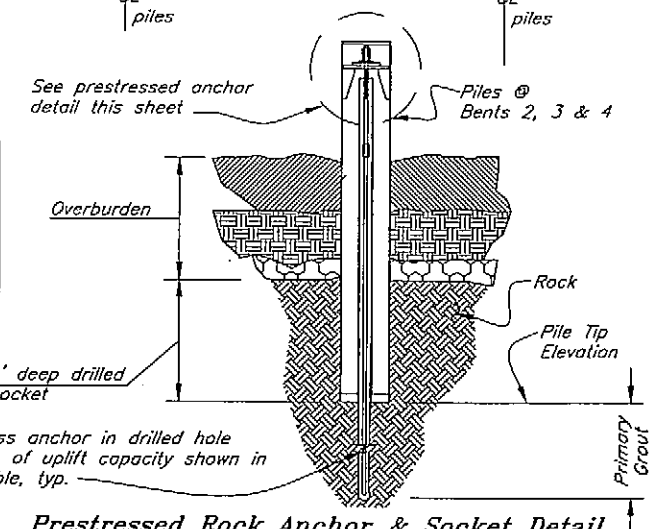
PILE TABLE - Approach and Transfer Bridge Abutment										
STRUCTURE & PILE LOCATION	ORIENTATION	No. of PILES	DIA. Inches	CAPACITY (TONS)	ELEVATIONS	ESTIMATED	EST. LGT.	No. of		
				BEARING	~ O.G.	TIP	18" #	Anchors		
Approach Abut. Bent #1	None	N/A	N/A	-	-	-	-	N/A		
Approach Bent #2	Vertical **	2	18	75	25	8	29.03	-5	68	2
Approach Bent #3	Vertical *	2	18	75	25	5	26.62	-6	65	2
Approach Bent #4	Vertical *	2	18	75	25	4	23.02	-10	66	2
	Batter 1:3*	2	18	75	25	3.75	30.00	-10	85	2
Approach Bent #5	Vertical *	2	18	75	25	3.5	19.44	-15	69	2
Approach Bent #6	Vertical *	2	18	75	25	3.25	16.97	-20	74	2
Approach Bent #7	Vertical *	2	18	75	25	3	15.86	-20	72	2
Approach Bent #8	Vertical *	2	18	75	25	1.5	15.86	-20	72	2
	Batter 1:3*	2	18	75	25	1.5	22.84	-20	90	2
Approach Bent #9	Vertical *	2	18	75	25	0	15.86	-20	72	2
Approach Bent #10	Vertical *	2	18	75	25	-2	15.78	-20	72	2
Approach Bent #11	Vertical *	2	18	75	25	-3.5	15.86	-25	82	2
Approach Bent #12	Vertical *	2	18	75	25	-5	15.86	-25	82	2
	Batter 1:3*	2	18	75	25	-5	22.84	-25	101	2
Approach Bent #13	Vertical *	2	18	75	25	-7	15.86	-30	92	2
Approach Bent #14	Vertical *	2	18	75	25	-8.5	15.78	-30	92	2
Approach Bent #15	Vertical *	2	18	75	25	-11	15.86	-30	92	2
Approach Bent #16	Vertical *	2	18	75	25	-13	15.86	-35	102	2
Transfer Bridge Abutment	Vertical *	2	18	75	25	-13	17.80	-35	106	2
Abut Transverse Batters	Batter 1:3	2	18	75	N/A	-14	20.84	-35	118	N/A
Abut Longitudinal Batters	Batter 1:3*	2	18	75	25	-14	20.84	-35	118	2
TOTAL									1790	40

* Drive to refusal in bedrock and install prestressed rock anchor.
 ** Install in drilled pile rock socket & install prestressed rock anchor.
 Note: All piles 1/2" wall thickness and provided with reinforced tips.

Prestress Anchor Notes @ Approach & Tr. Br. Abutment:
 Install prestressing in drilled casing and primary grout into rock. After primary grout has set tension steel as specified, lock off at 10% GUTS and secondary grout tendon and anchor lock off hardware.
 Drive shoes required at all piles, typ.
 Alternative anchor detail may be submitted for review.

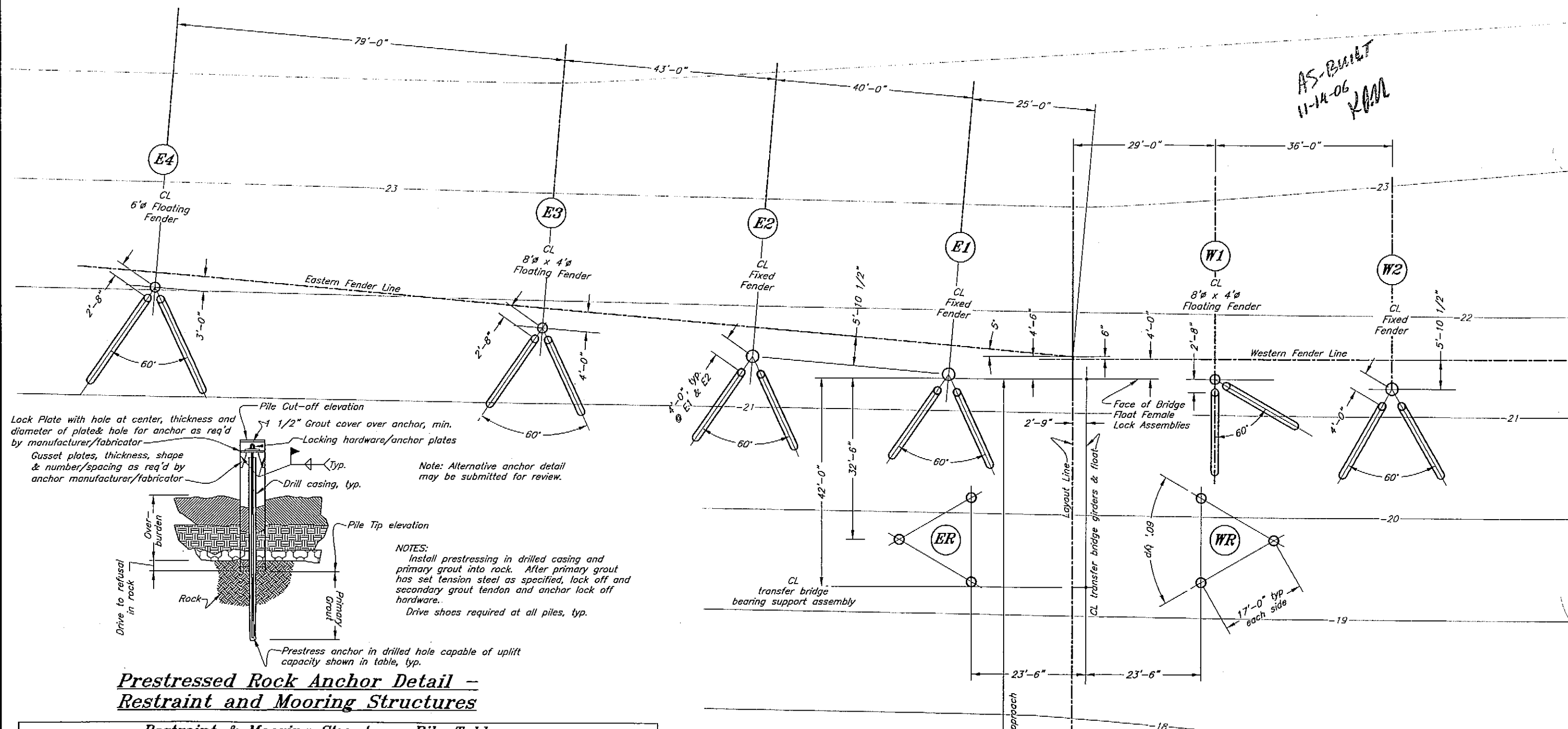


Prestressed Rock Anchor Detail



Prestressed Rock Anchor & Socket Detail
 DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: J. Scott		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION			
		South Mitkof Ferry Terminal			
		Approach & Bridge Pile Layout			
CHECKED BY: B. Sivikko		PATH: Q:\Psg\67833\AK\Planset\007 Approach Pile Layout.dwg			
DRAWN BY: J. Scott		PLOT: PSPACE 1=1 Tab: Piles			
DATE: 11-14-06		Fri, 22/Apr/05 03:33PM			
REVISIONS		PROJECT DESIGNATION		YEAR	SHEET NO.
NO.	DATE	DESCRIPTION		67833	7
				2005	96



Restraint & Mooring Structures Pile Table											
PILE LOCATION, STRUCTURE & ORIENTATION	# PILES	DIA. Inches	CAPACITY (TONS)		ELEVATIONS		TIP ELEVATIONS		TOTAL ESTIMATED LENGTHS		
			BEARING	UPLIFT	~ O.G.	CUT-OFF	MIN.	EST.	18"	24"	30"
Float Restraints ER & WR							Drive all piles to bedrock & install prestressed anchors - See Notes				
Forward Verticals	4	24"Øx1/2"	50	50	-20	+1.50		-40	—	166	—
Rear Verticals	2	24"Øx1/2"	50	50	-20	+1.50		-40	—	83	—
Fixed Fender Dolphins E1 & E2											
Vertical	2	30"Øx1/2"	75	75	-21	+ 1.50		-41	—	—	85
Batter (1:3)	4	18"Øx1/2"	50	50	-21	+22.50		-40	264	—	—
Floating Fender Dolphin E3											
Vertical	1	24"Øx1/2"	50	50	-22	+47.00		-42	—	89	—
Batter (1:4)	2	18"Øx1/2"	50	50	-22	+53.25		-40	192	—	—
Floating Fender Dolphin E4											
Vertical	1	24"Øx1/2"	50	50	-22	+37.00		-42	—	79	—
Batter (1:4)	2	18"Øx1/2"	50	50	-22	+43.15		-40	172	—	—
Floating Fender Dolphin W1											
Vertical	1	24"Øx1/2"	50	50	-22	+47.00		-42	—	89	—
Batter (1:4)	2	18"Øx1/2"	50	50	-21	+53.25		-40	192	—	—
Fixed Fender Dolphin W2											
Vertical	1	30"Øx1/2"	75	75	-21	+ 1.50	-42	—	—	44	
Batter (1:3)	2	18"Øx1/2"	50	50	-21	+26.00	-40	139	—	—	
TOTAL LENGTH								959	467	129	

Note: Drive all piles to refusal initially using vibratory hammer.

Note: Drive all piles to refusal initially using vibratory hammer. Complete driving all piles to refusal w/specified impact hammer. Install prestressed anchors at all piles regardless of tip elevation.

Marine Pile Layout

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: J. Scott

CHECKED BY: B. Schukko

DRAWN BY: Scott/Fuman

PATH: Q:\Psg\67833\MF\PlanSet\008 Marine Pile layout.dwg

PLOT: PSPACE 1=1

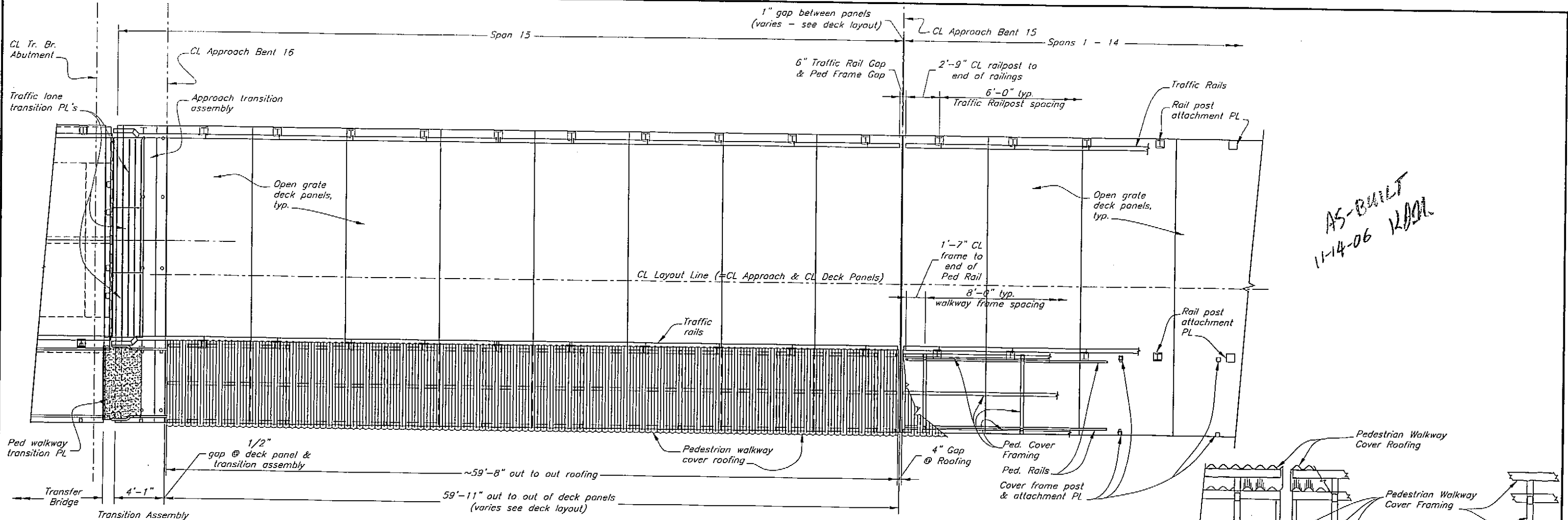
Mon, 04/Apr/05 11:07AM

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

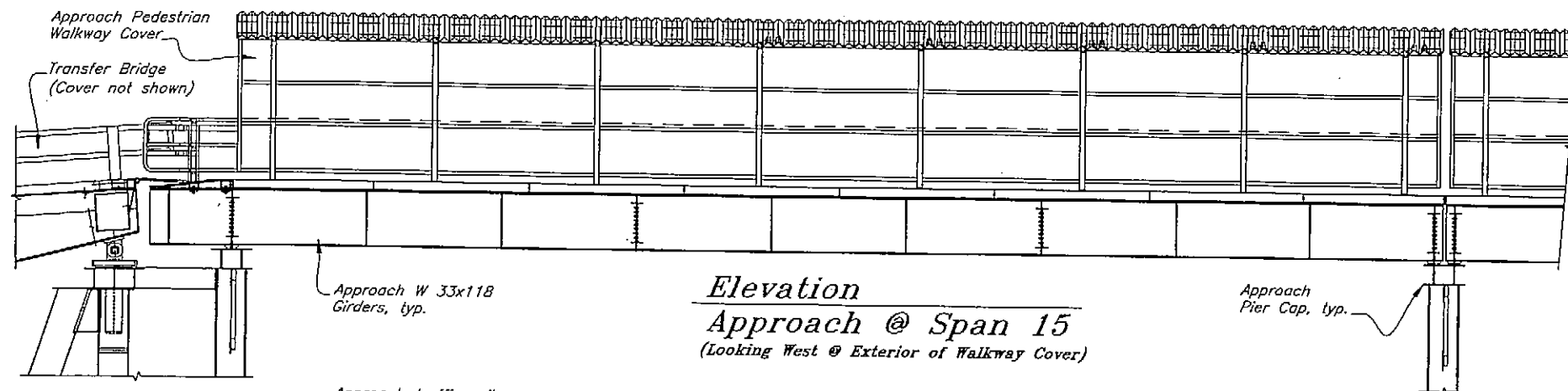
South Mitkof Ferry Terminal

Marine Pile Layout

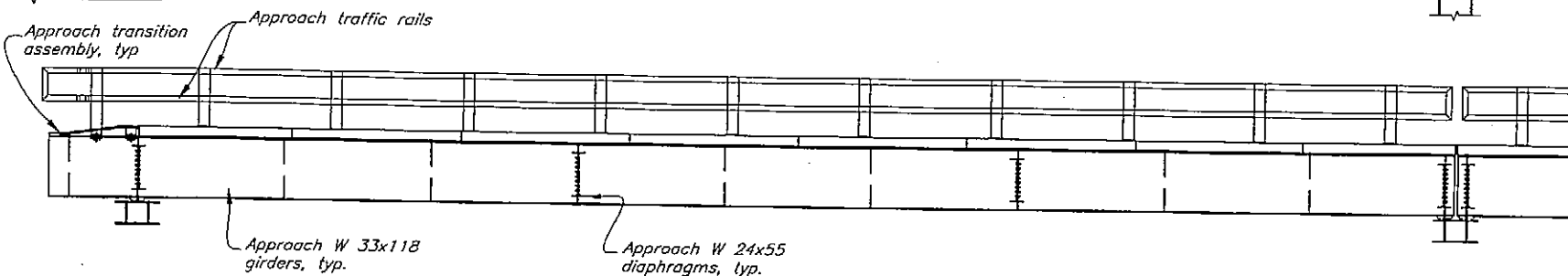
NO.	DATE	REVISIONS DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			67833	2005	8	96



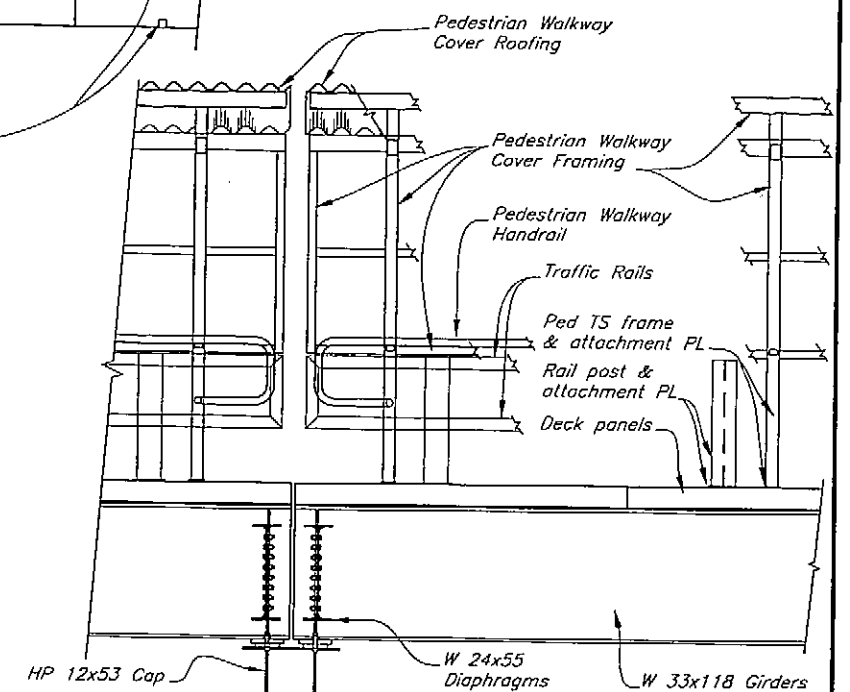
Plan
Approach @ Span 15



Elevation
Approach @ Span 15
(Looking West @ Exterior of Walkway Cover)



Elevation
Approach @ Span 15
(Looking West from center of traffic lane)



Section @ Center of Walkway
(Looking West)

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: J. Scott

CHECKED BY: J. Beedle

DRAWN BY: J. Scott, T. Mores

PATH: Q:\Psg\67833\MF\PlanSet\009 Approach Plan & Elev.dwg

PLOT: PSPACE 1=1

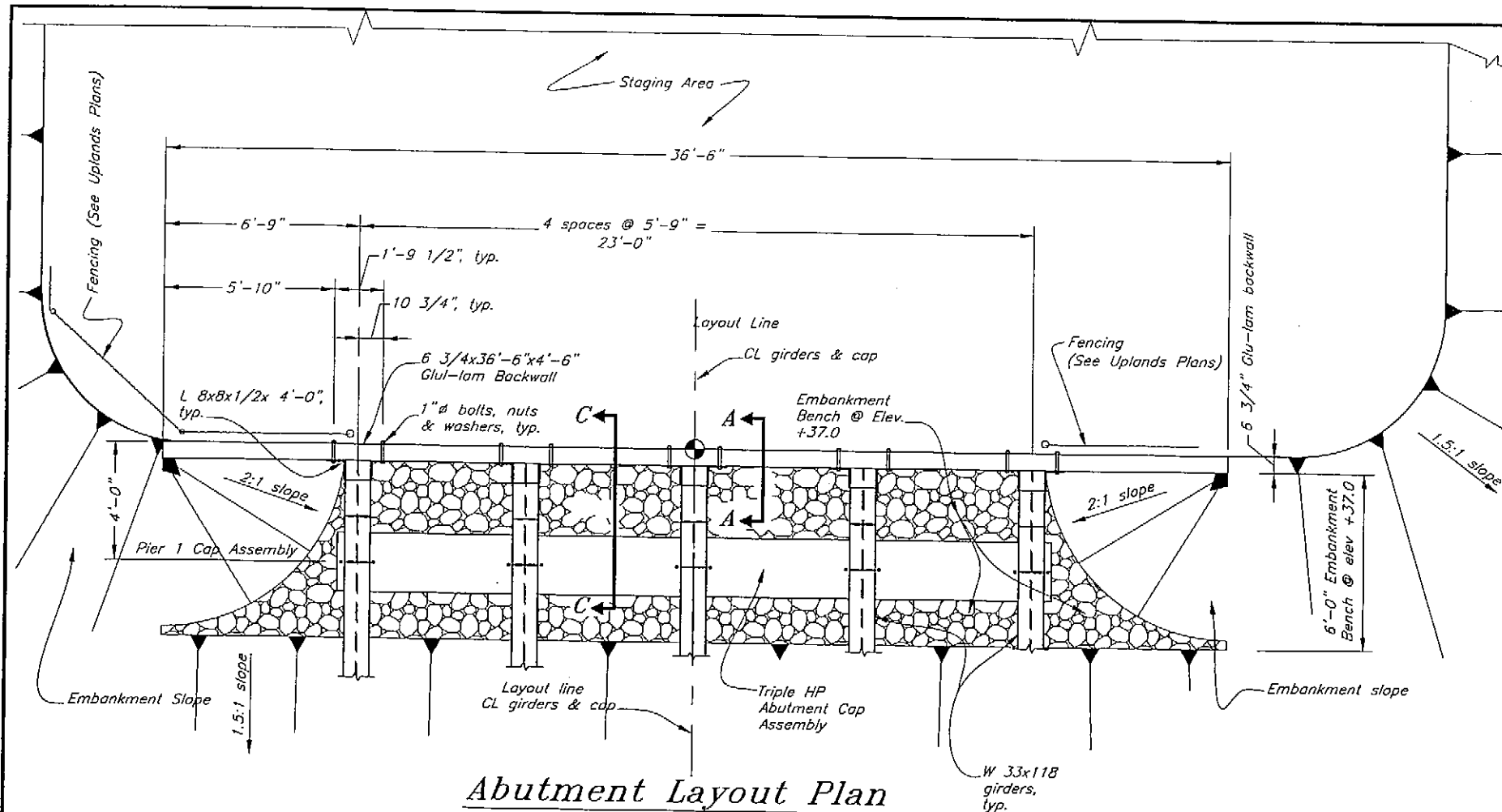
Mon, 04/Apr/05 11:08AM

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

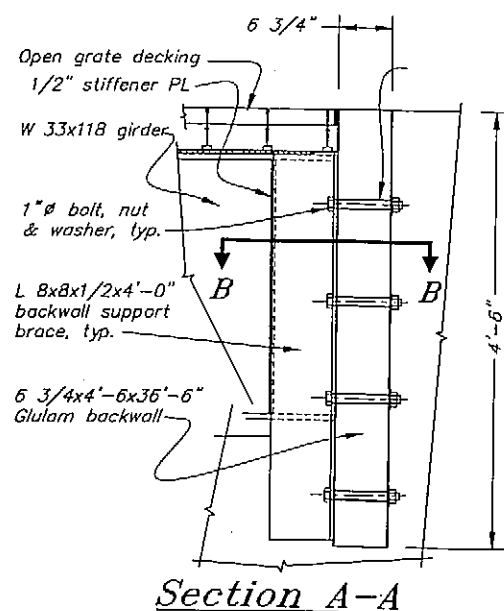
South Mitkof Ferry Terminal

Approach Plan & Elevation Views @ Tr. Br. Abutment

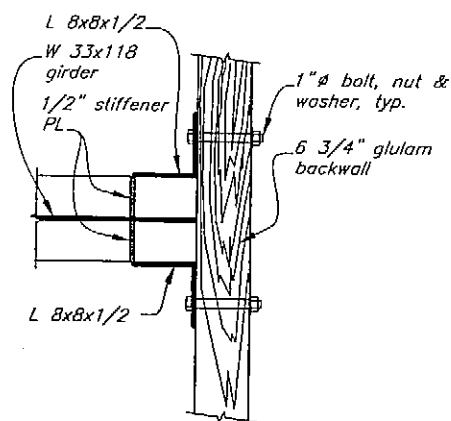
REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			67833	2005	9	96



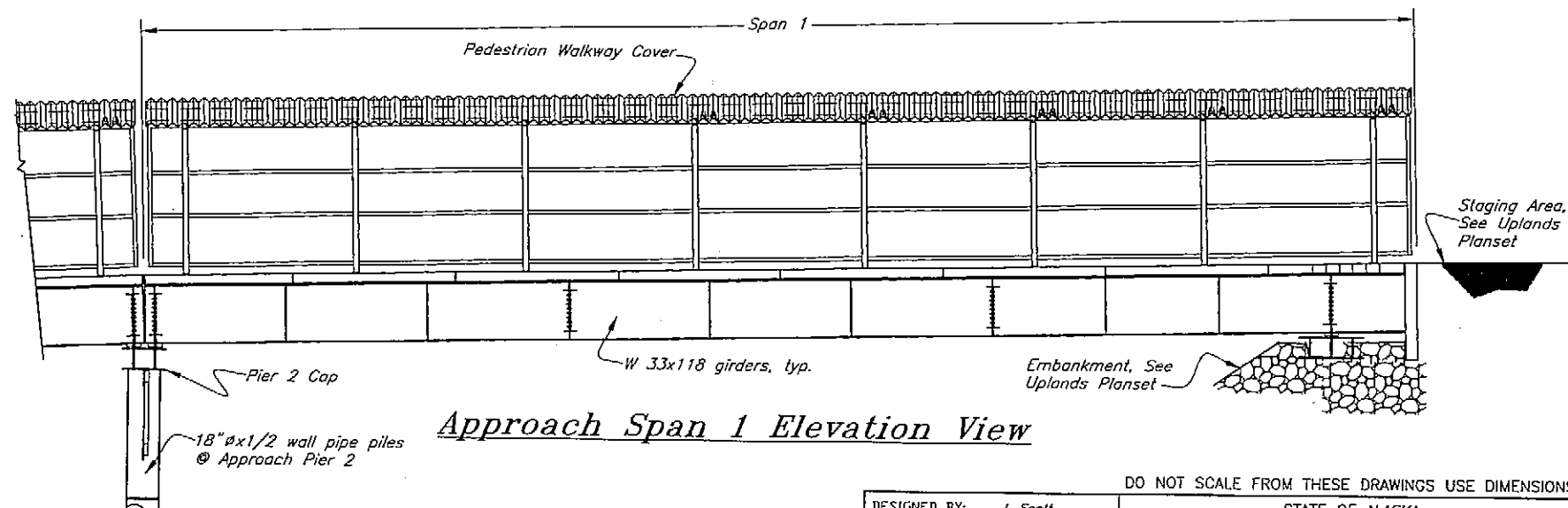
Abutment Layout Plan
@ Abutment Cap Assembly



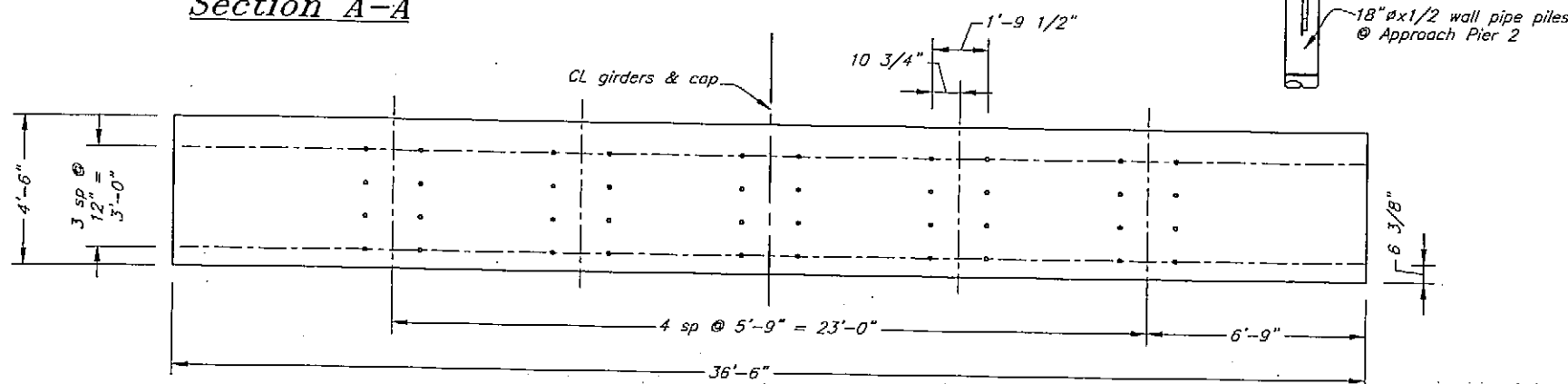
Section A-A



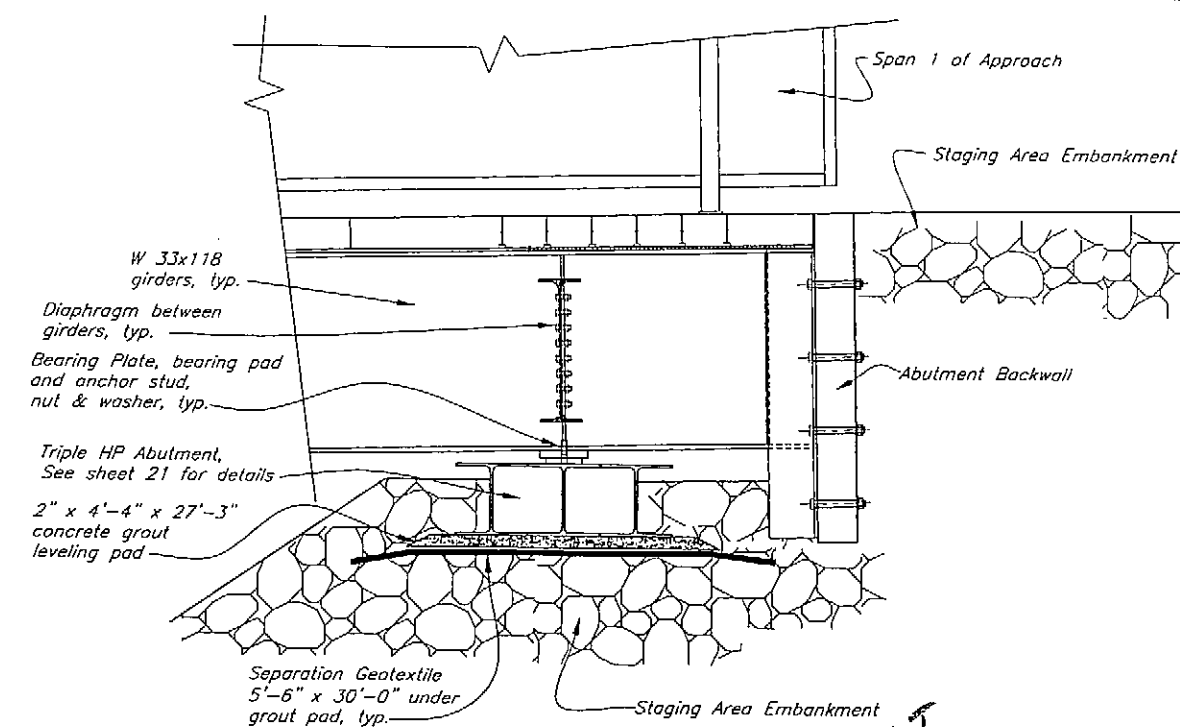
Section B-B



Approach Span 1 Elevation View



Elevation Abutment Backwall

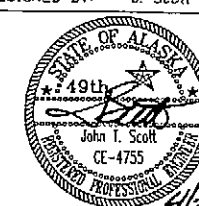


Section C-C

AS-BUILT
11-14-06

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: J. Scott



CHECKED BY: J. Beattie

DRAWN BY: J. Scott, T. Mores

PATH: G:\Psg\67833\MF\Planset\010 Approach Abutment.dwg

PLOT: PSPACE 1=1

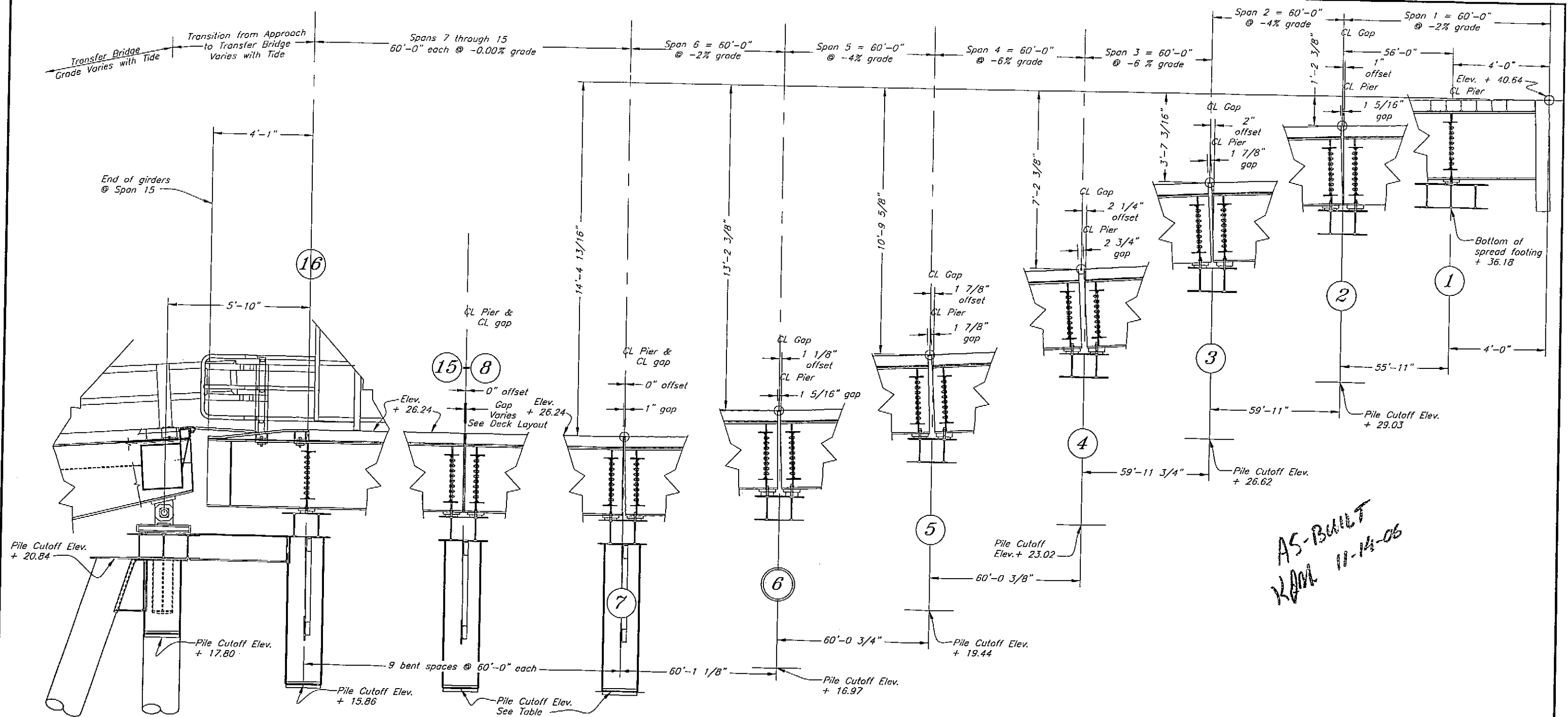
Mon, 25/Apr/05 02:22PM

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

South Mitkof Ferry Terminal

Approach Plan & Elev Views @ Abutment

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			67833	2005	10	96

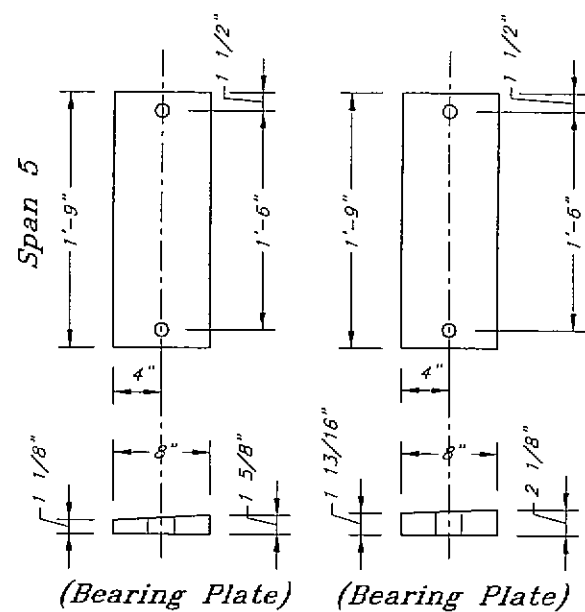


AS-BUILT
RAM 11-14-06

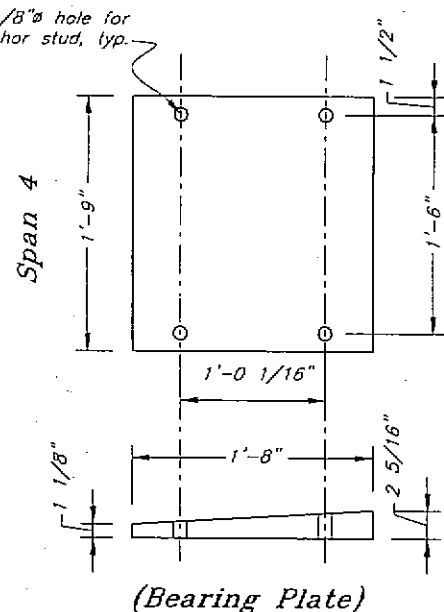
Approach Grading & Approach Pile Bent Spacing

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

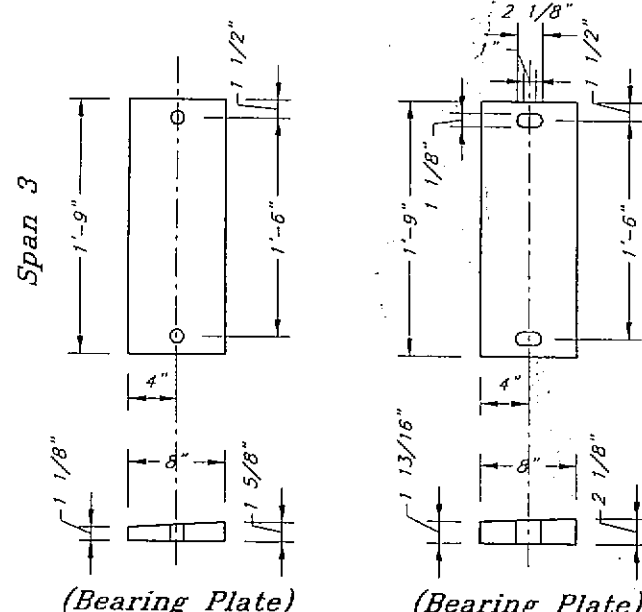
DESIGNED BY: J. Scott		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION															
		South Mitkof Ferry Terminal															
CHECKED BY: B. Spricko		Approach Span Grading & Elevation															
DRAWN BY: J. Scott																	
PATH: Q:\Psp\67833\MF\PlanSet\011 Approach Span Grading & Elev.dwg																	
PLOT: PSPACE 1=1		Mon, 25/Apr/05 02:28PM															
<table border="1"> <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"> <thead> <tr> <th>PROJECT DESIGNATION</th> <th>YEAR</th> <th>SHEET NO.</th> <th>TOTAL SHEETS</th> </tr> </thead> <tbody> <tr> <td>67833</td> <td>2005</td> <td>11</td> <td>96</td> </tr> </tbody> </table>		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS	67833	2005	11	96
NO.	DATE	REVISIONS DESCRIPTION															
PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS														
67833	2005	11	96														



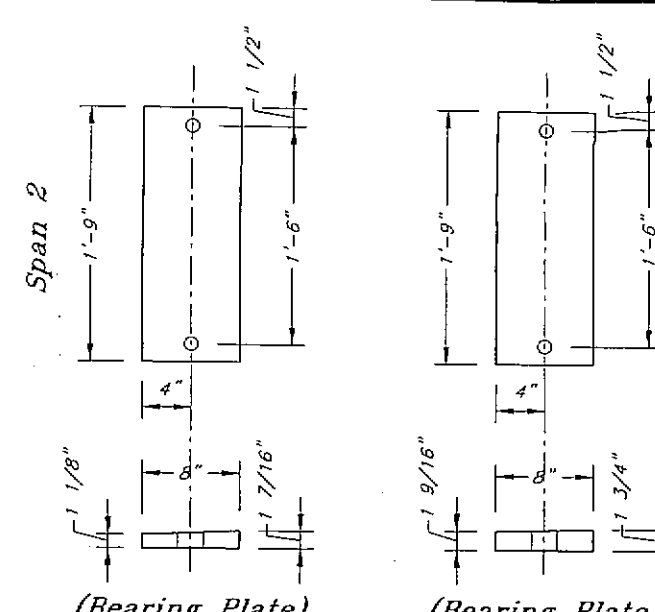
Span 4 & 5 @ Bent #5



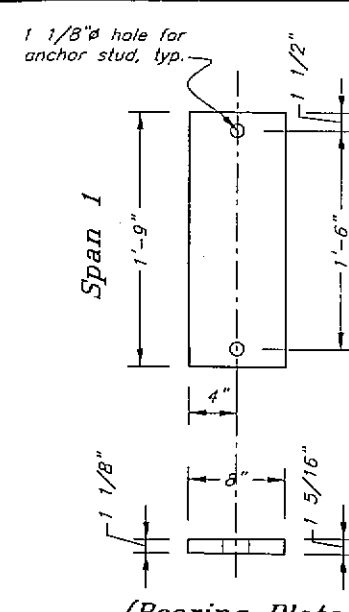
Span 3 & 4 @ Bent #4



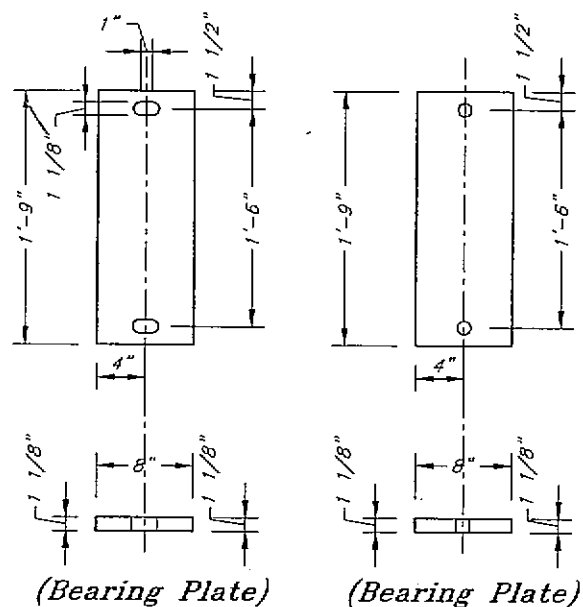
Span 2 & 3 @ Bent #3



Span 1 & 2 @ Bent #2

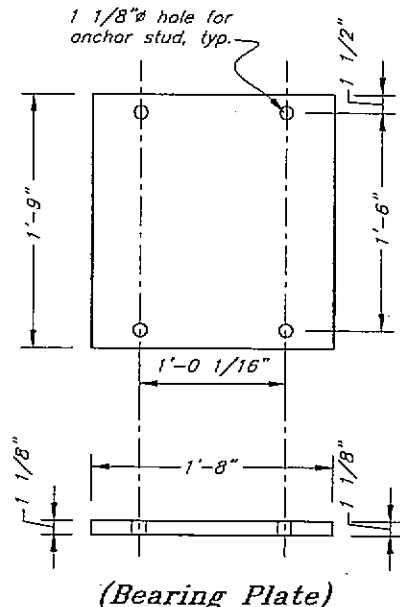


Span 1 @ Bent #1

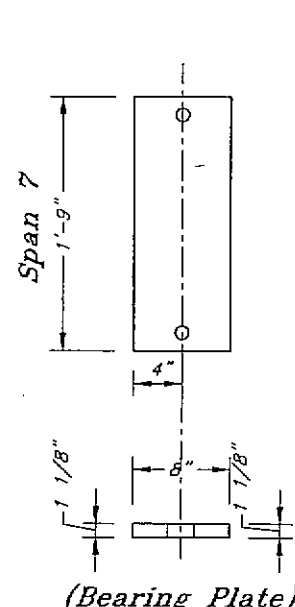


Bents #10 & #14

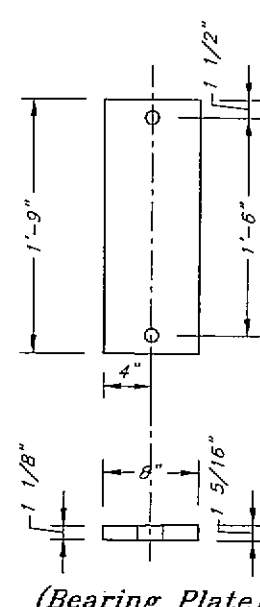
Bents #9, #11,
#13, #15 & #16



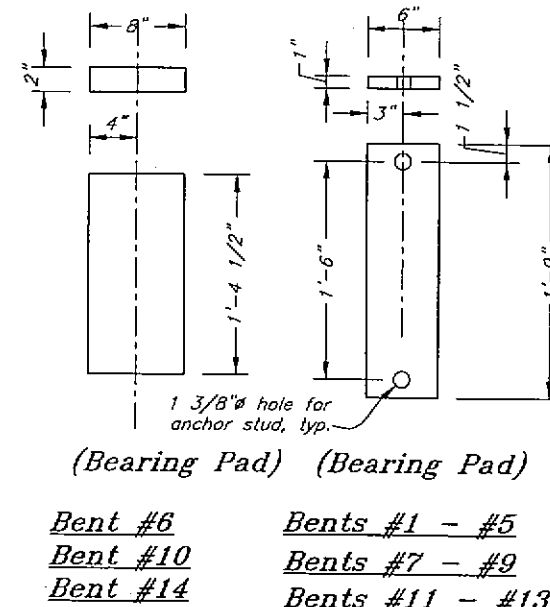
Bents #8 & #12



Span 6 & 7 @ Bent #7



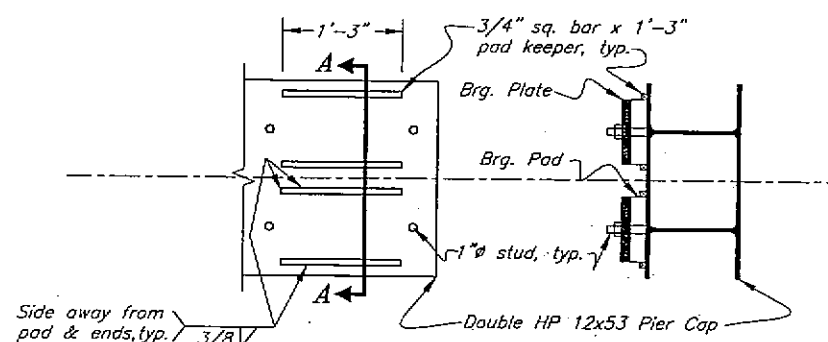
Span 5 & 6 @ Bent #6



Bent #6
Bent #10
Bent #14

Bents #1 - #5
Bents #7 - #9
Bents #11 - #13
Bents #15 & #16

Plan & Elevation Views Approach Bearing Plates & Bearing Pads



Plan View @ End of Cap Section A-A

Pad Details @ Bents #6, #10 & #14

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: J. Scott

CHECKED BY: B. Sivikko
DRAWN BY: J. Scott

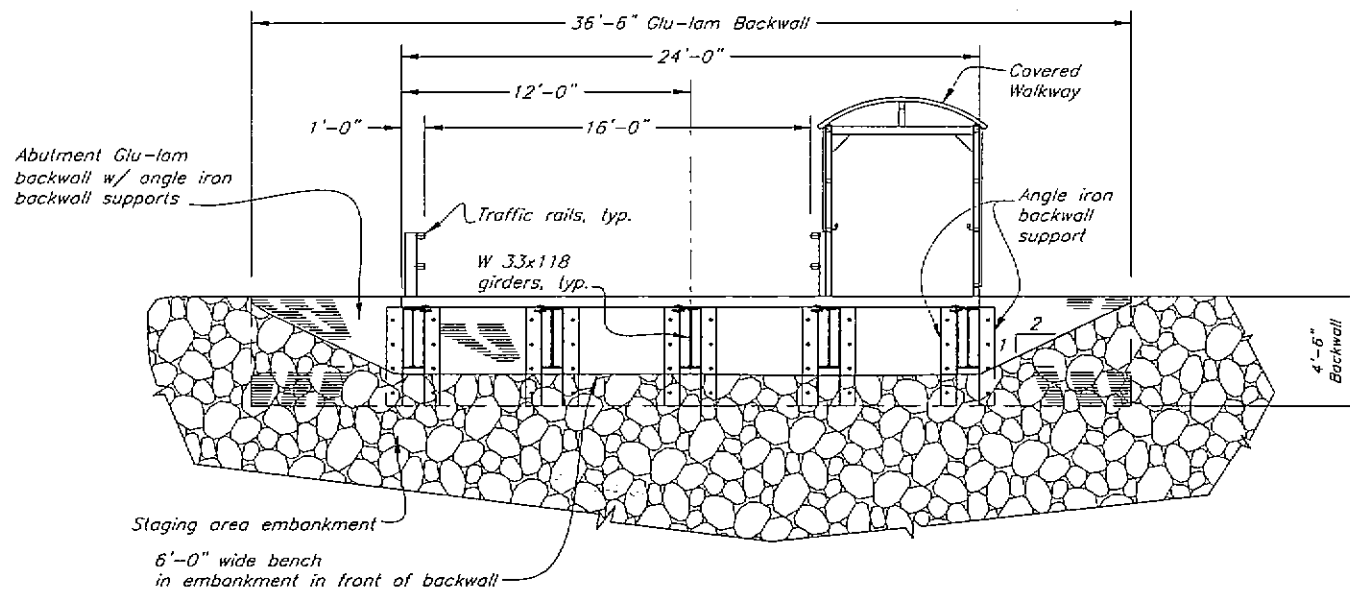
PATH: 0:\Psg\67833\MF\PlanSet\012 Approach Bearings.dwg
PLOT: PSPACE 1=1

PROJECT DESIGNATION: 67833
YEAR: 2005
SHEET NO.: 12
TOTAL SHEETS: 96

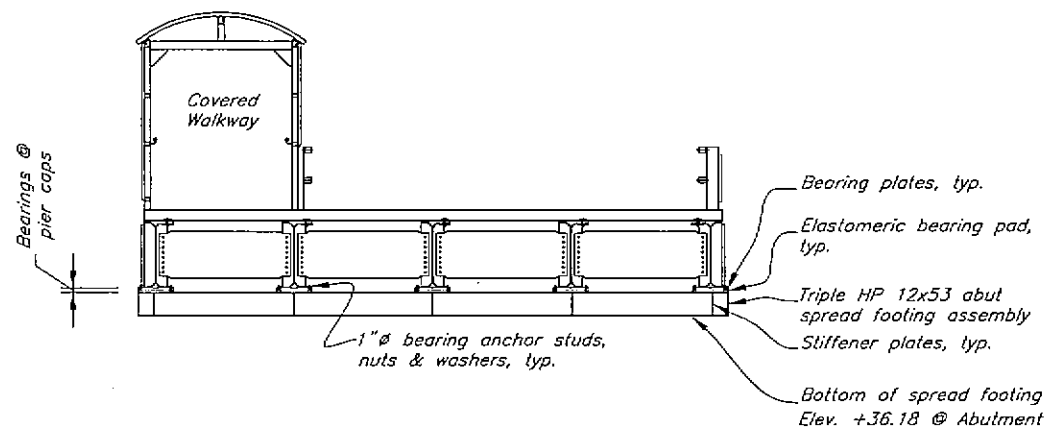
South Mitkof Ferry Terminal

Approach Bearing Plates & Pads

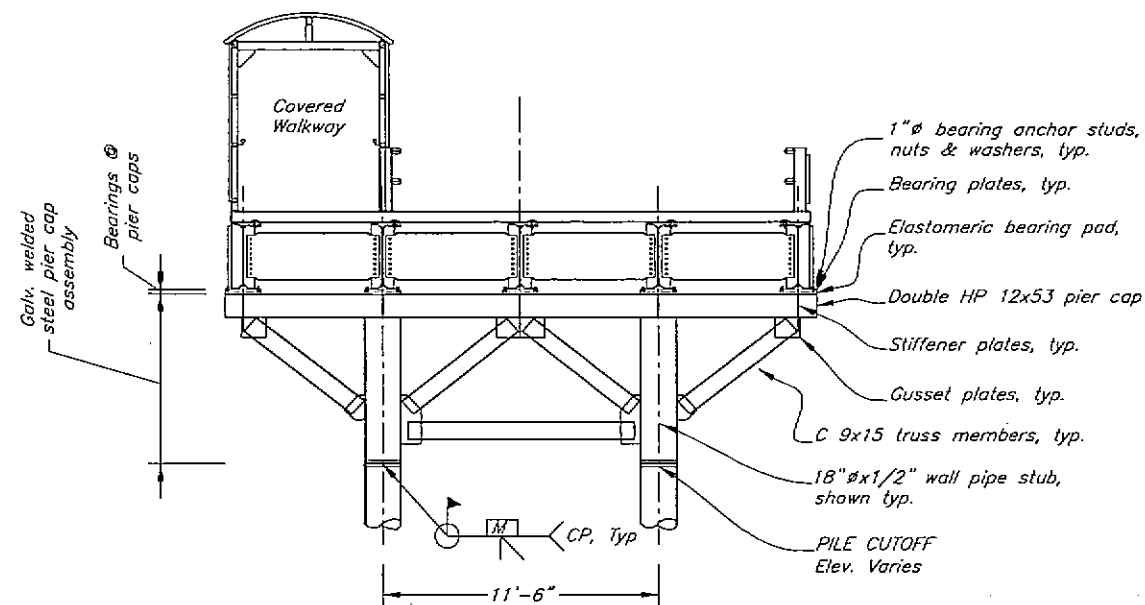
AS-BUILT
12/11/06



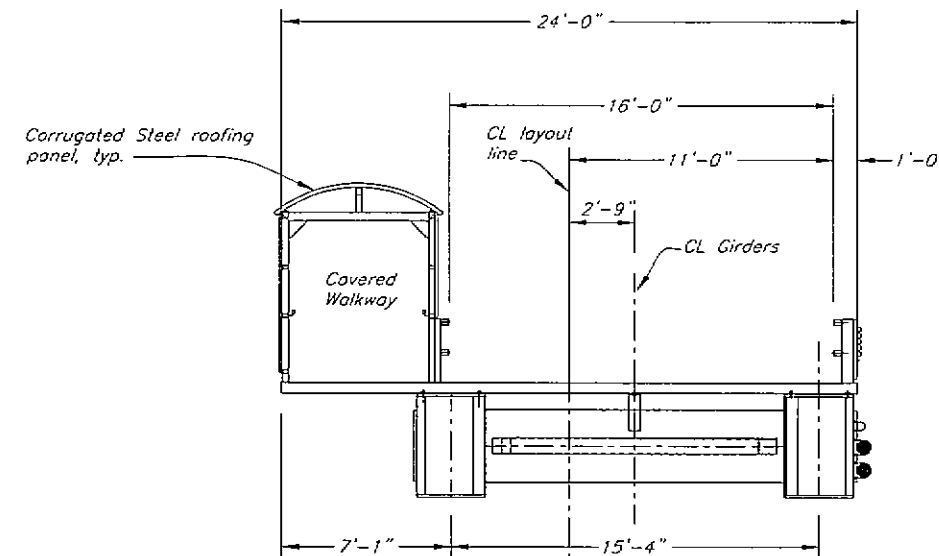
Typical Section @ Abutment
(looking Shoreward)



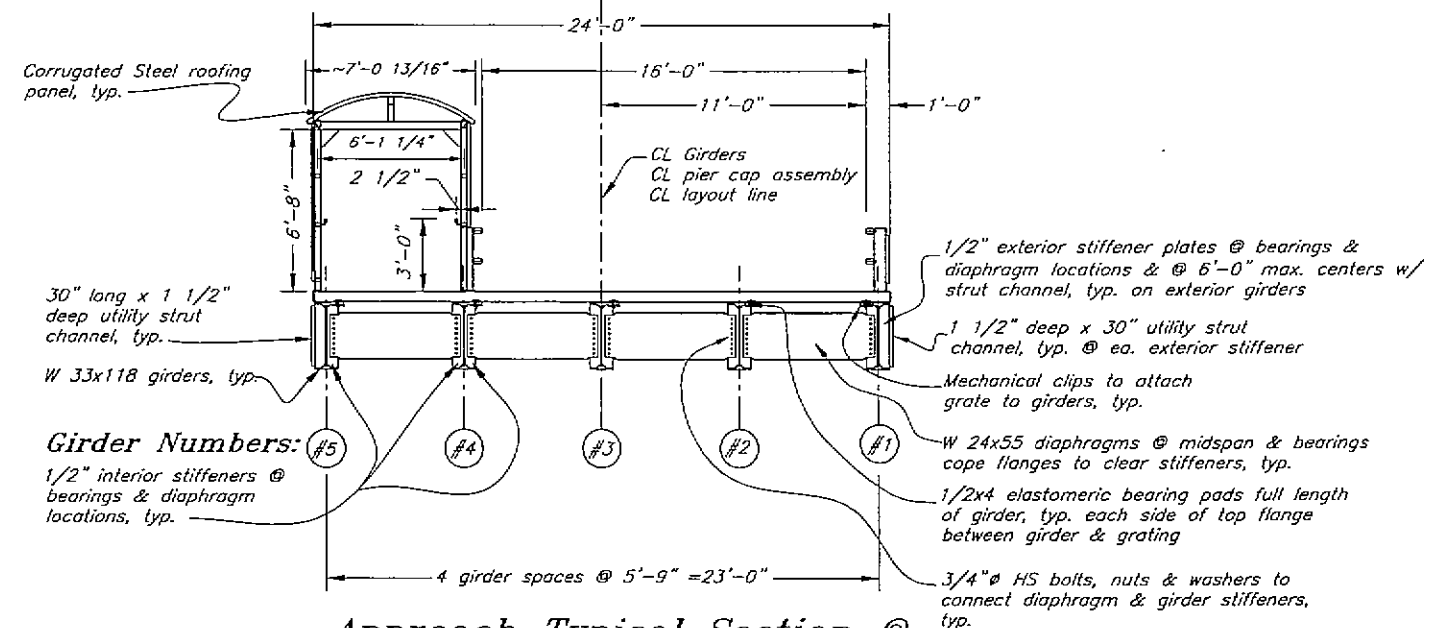
Typical Section @ Abutment (Bent #1)
(looking Seaward)



Typical Section @ Bent 2
(looking Seaward)



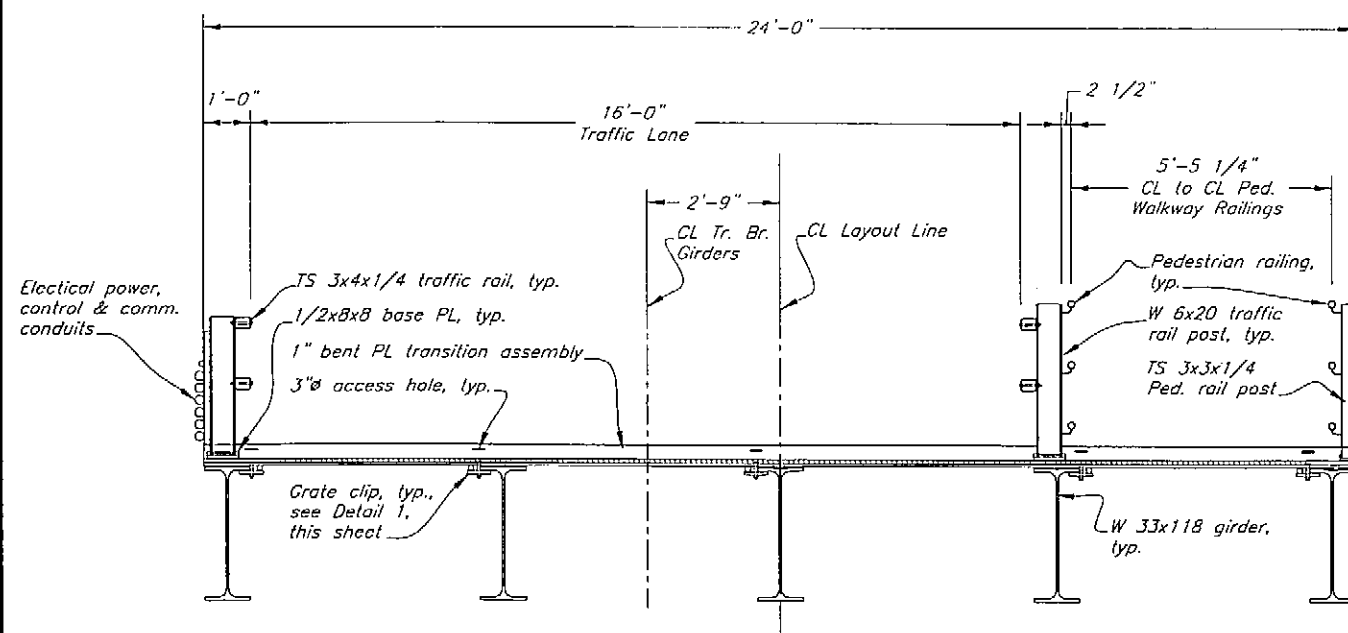
Transfer Br. Typical Section
(looking Seaward)



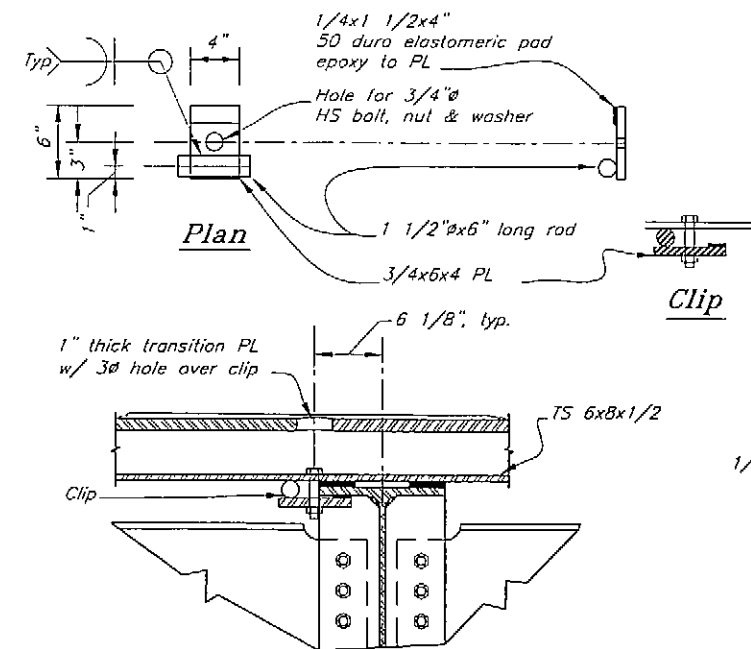
Approach Typical Section @ Midspan
(looking Seaward)

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

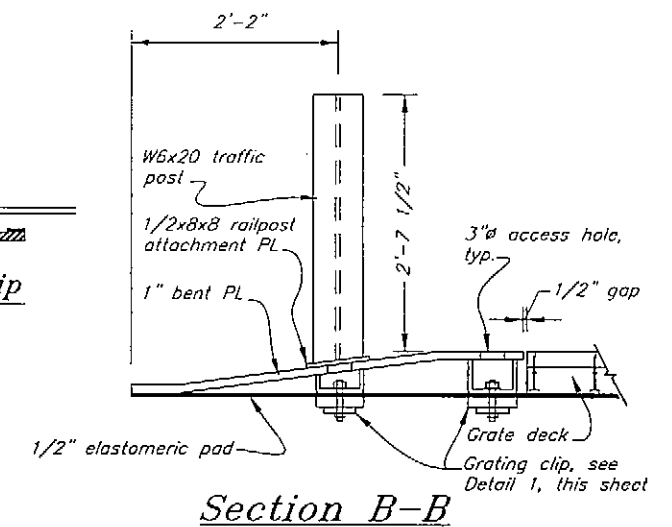
DESIGNED BY: J. Scott		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION			
		South Mitkof Ferry Terminal			
CHECKED BY: J. Bledie		Approach Typical Sections			
DRAWN BY: J. Scott, T. Mores					
PATH: Q:\Psg\67833\AIF\PlanSet\073 Approach Typ. Sections.dwg		TAB: DETAIL Mon, 25/Apr/05 02:53PM			
PLOT: PSPACE 1=1					
REVISIONS		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION	67833	2005	13
					96



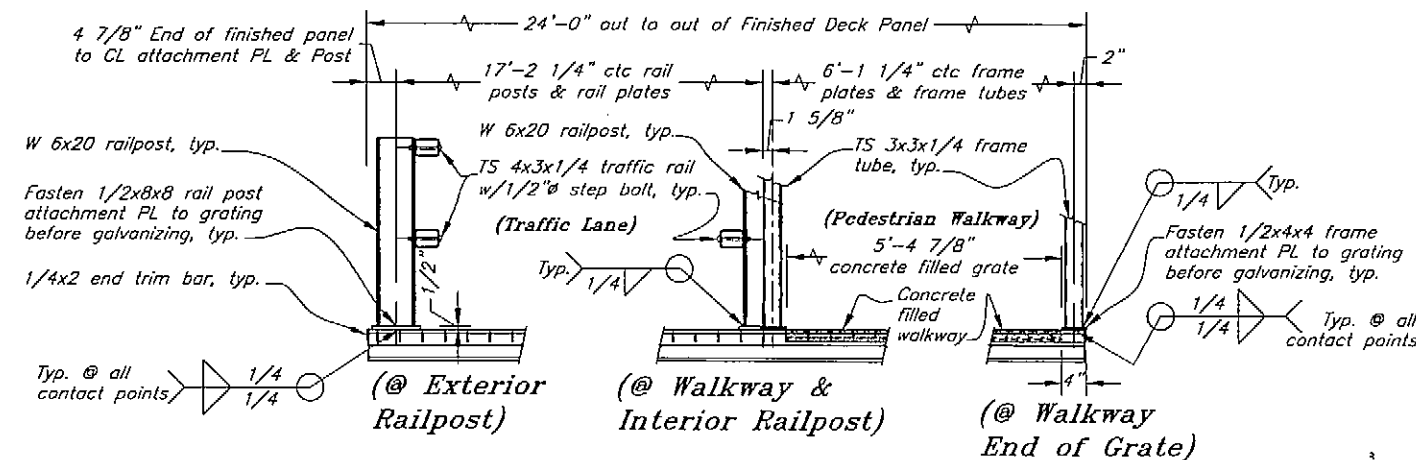
Sectional Elevation
Approach Transition Assembly
 (Looking Shoreward)



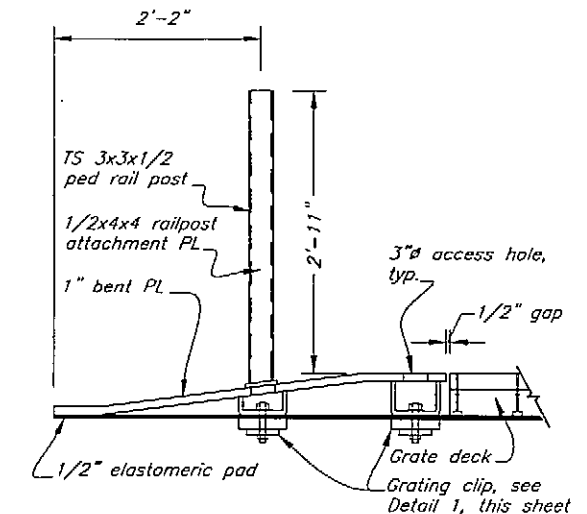
Detail 1
Grating Clip Assembly



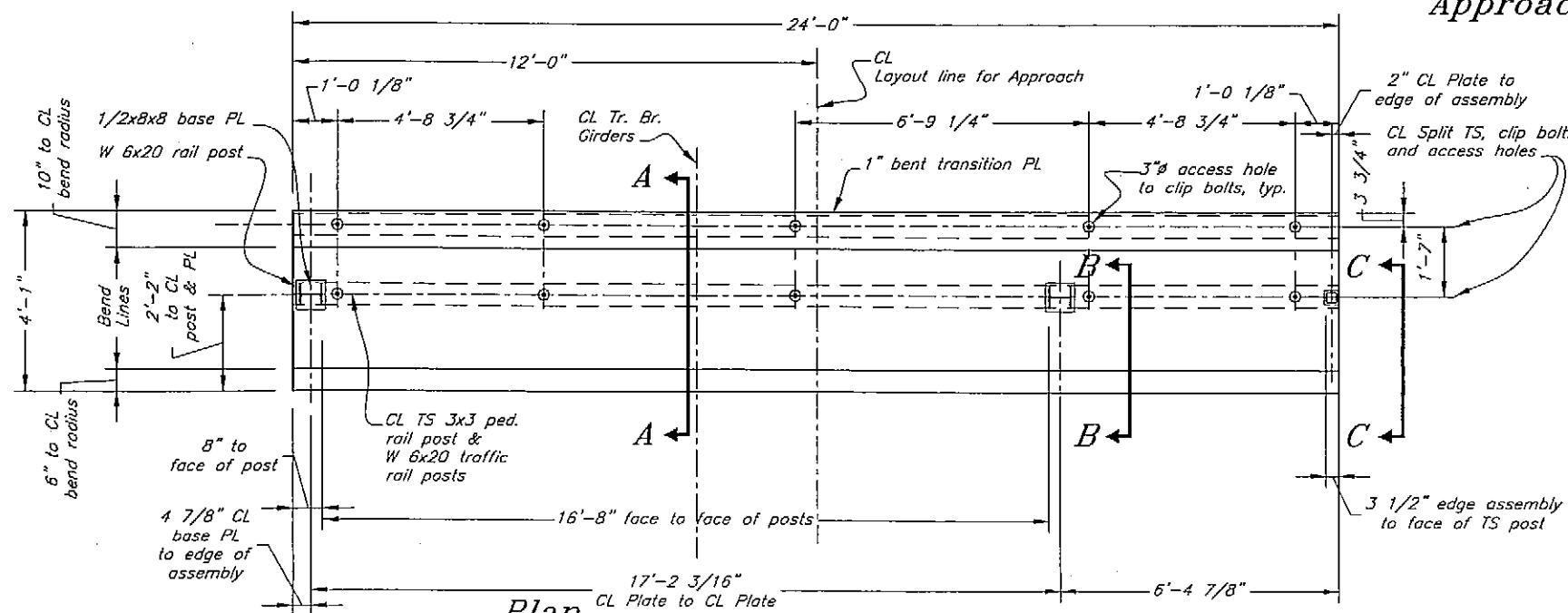
Section B-B



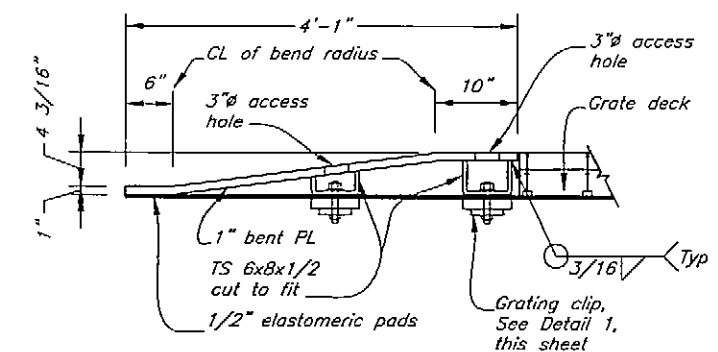
Typical Section Details
Approach



Section C-C



Plan
Transition Plate Assembly

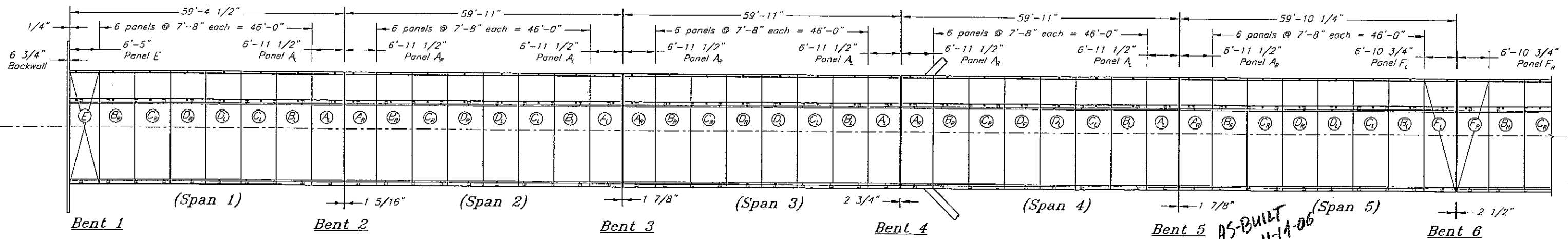


Section A-A

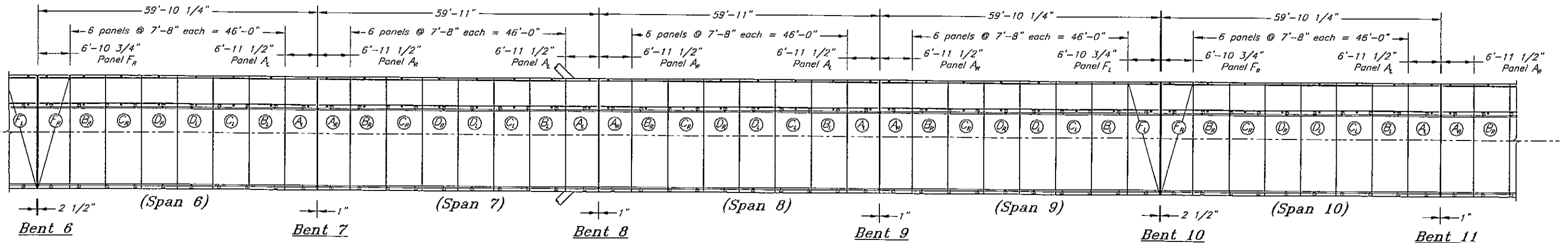
*AS-BUILT
 11-10-06
 KPM*

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

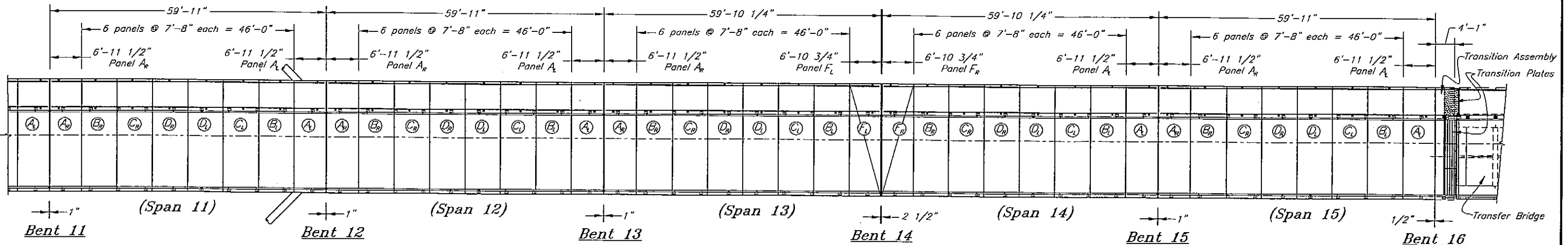
DESIGNED BY: B. Savikka		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION																											
		South Mitkof Ferry Terminal																											
CHECKED BY: J. Scott		Approach Transition Assembly Details																											
DRAWN BY: Staff		PATH: c:\p\sg\67833\MF\Planset\014 Approach Transitions.dwg																											
PLOT: PSPACE 1=1		Mon, 04/Apr/05 11:11AM																											
<table border="1"> <thead> <tr> <th colspan="2">REVISIONS</th> <th rowspan="2">PROJECT DESIGNATION</th> <th rowspan="2">YEAR</th> <th rowspan="2">SHEET NO.</th> <th rowspan="2">TOTAL SHEETS</th> </tr> <tr> <th>NO.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td rowspan="2">67833</td> <td rowspan="2">2005</td> <td rowspan="2">14</td> <td rowspan="2">95</td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>		REVISIONS		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS	NO.	DATE			67833	2005	14	95			<table border="1"> <thead> <tr> <th>PROJECT DESIGNATION</th> <th>YEAR</th> <th>SHEET NO.</th> <th>TOTAL SHEETS</th> </tr> </thead> <tbody> <tr> <td>67833</td> <td>2005</td> <td>14</td> <td>95</td> </tr> </tbody> </table>				PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS	67833	2005	14	95
REVISIONS		PROJECT DESIGNATION	YEAR					SHEET NO.	TOTAL SHEETS																				
NO.	DATE																												
		67833	2005	14	95																								
PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS																										
67833	2005	14	95																										



Spans #1-#5



Spans #6-#10



Spans #11-#15

Layout - Spans
Approach Deck Panel

Note: Grating panels are 5" nominal thickness, galvanized, open grate steel w/ main bearing bars 5.52#/ft @ 7 1/2" centers, & 1/4" supplemental cross bars @ 3 3/4" centers, & 1/4" @ 1" bent truss bars. Actual thickness = 5 3/16".

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

South Mitkof Ferry Terminal

Approach Deck Panel
Layout

DESIGNED BY: J. Scott

CHECKED BY: B. Savikko

DRAWN BY: Staff

DATE: 4/25/05

PATH: Q:\Psp\67833\MF\PlanSet\015 Approach Deck Panel Layout.dwg

PLOT: PSPACE 1=1

NO. DATE REVISIONS DESCRIPTION

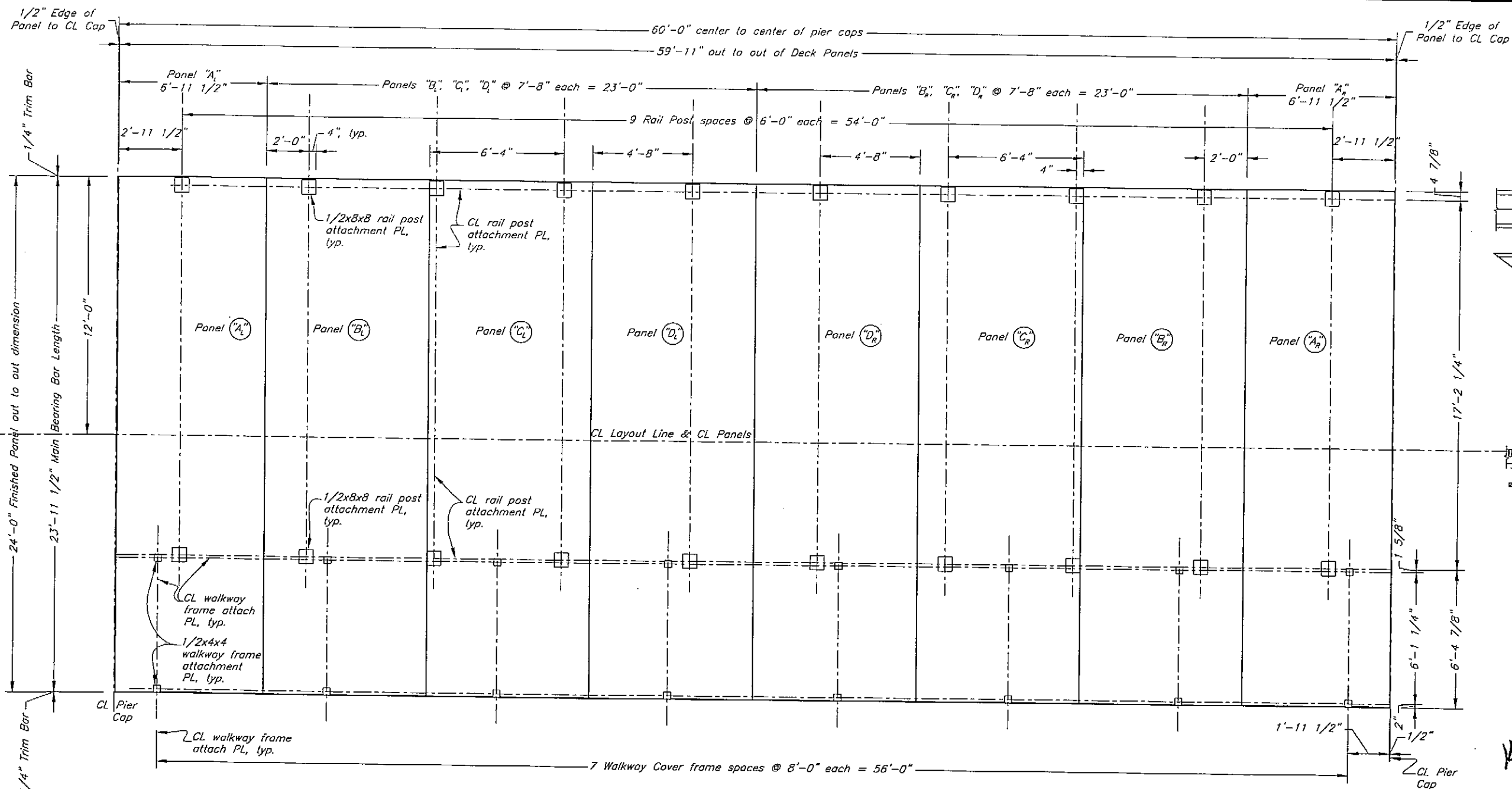
PROJECT DESIGNATION: 67833

YEAR: 2005

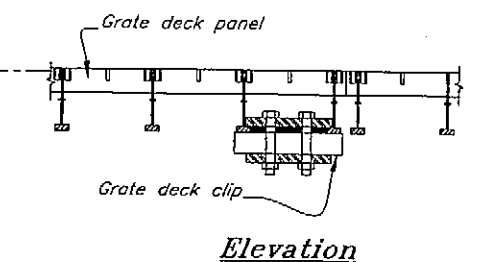
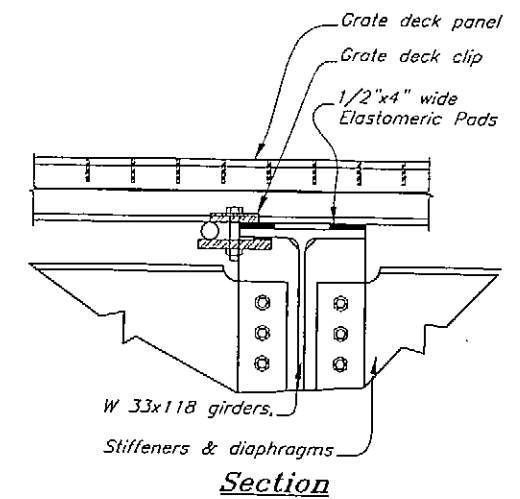
SHEET NO.: 15

TOTAL SHEETS: 96

Mon, 04/Apr/05 11:11AM

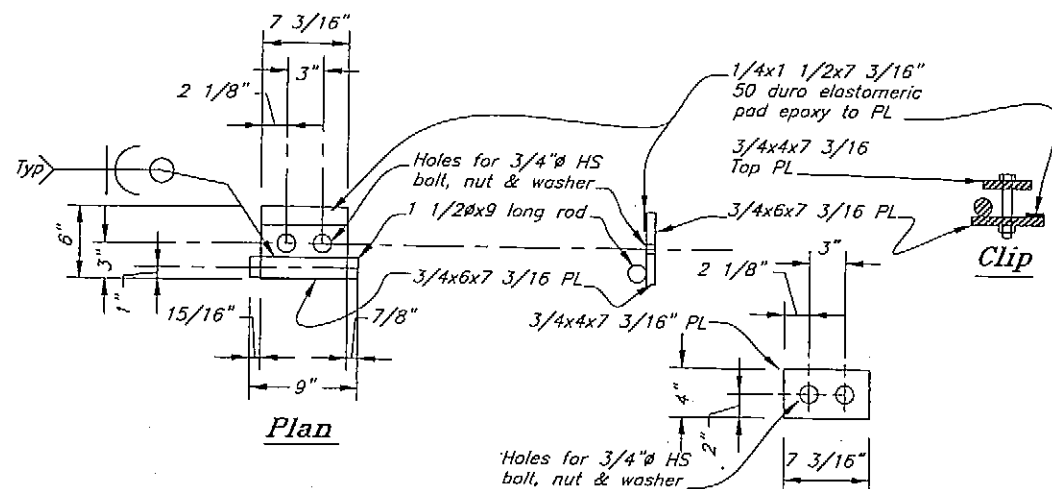


Deck Panel Layout

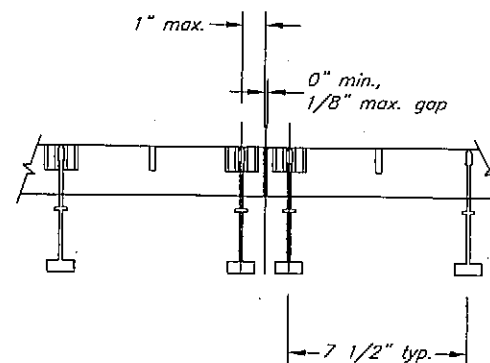


Deck Clip Assemblies

AS-BUILT
KAM 11-14-06

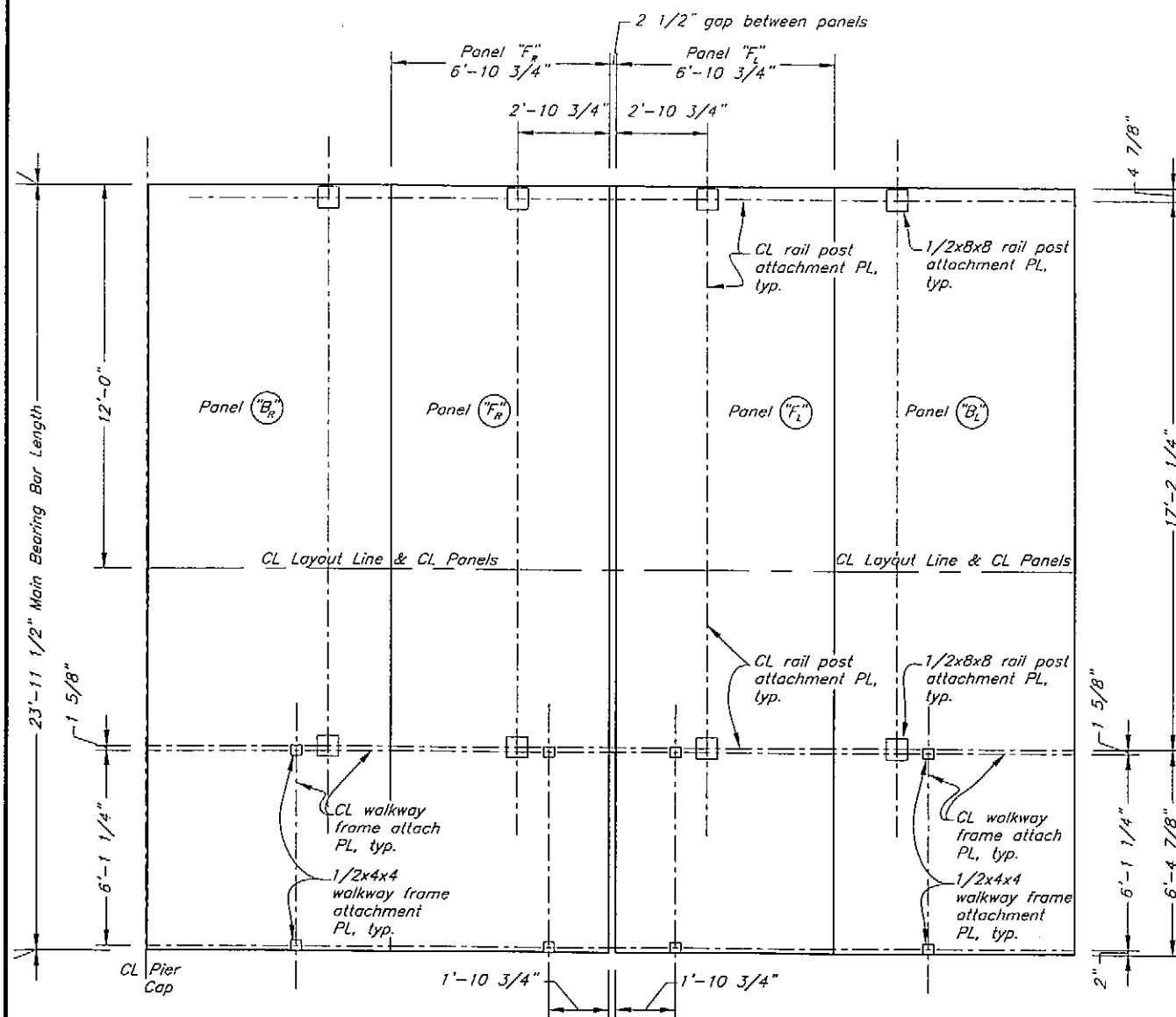


Clip Assembly for Grate Decking
(2 per Girder per Panel)

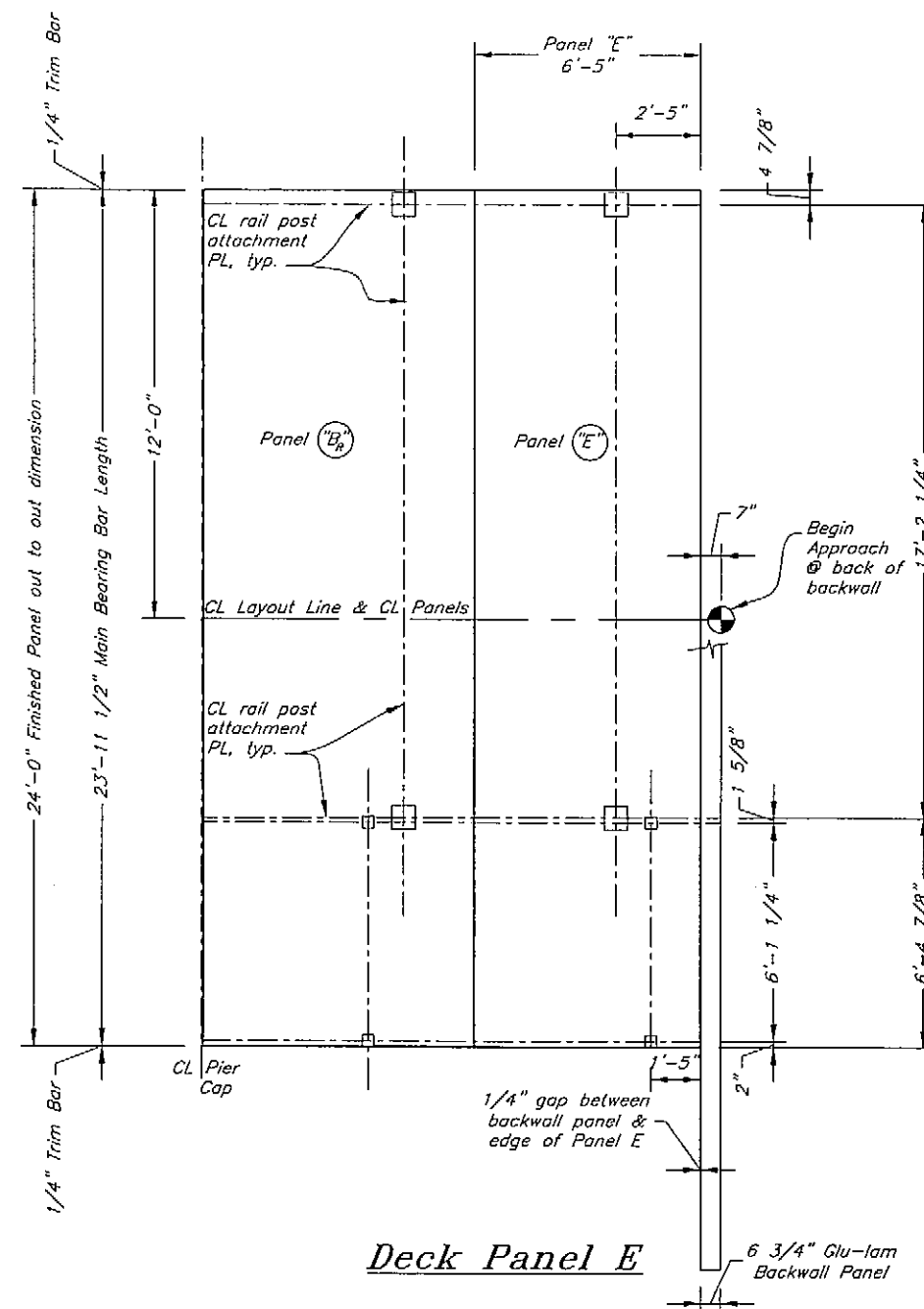


DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

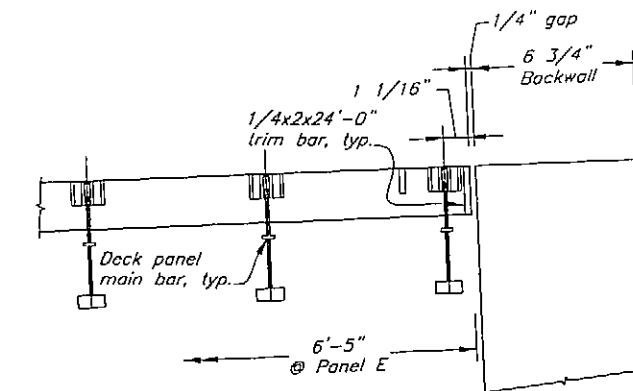
DESIGNED BY: J. Scott		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION			
		South Mitkof Ferry Terminal			
		Approach Deck Panels A - D			
CHECKED BY: B. Sovikko DRAWN BY: Staff		PATH: D:\Psp\67833\AP\PlanSet\015 Approach Deck Panels A-D.dwg PLOT: PSPACE 1=1 Mon, 04/Apr/05 11:11AM			
REVISIONS NO. DATE DESCRIPTION		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
		67833	2005	16	96



Deck Panels F_L & F_R

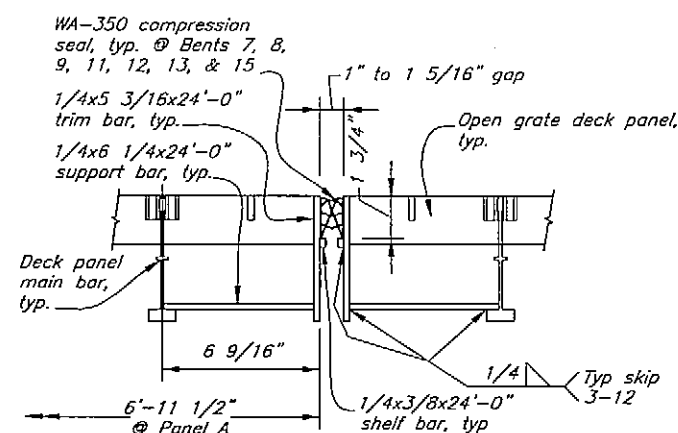


Deck Panel E

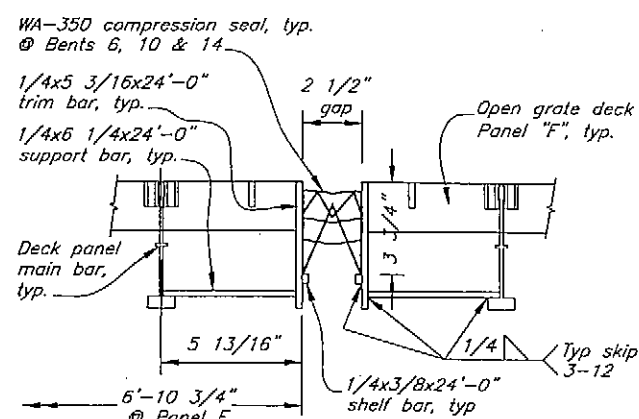


Panel Gap Detail @ Abutment

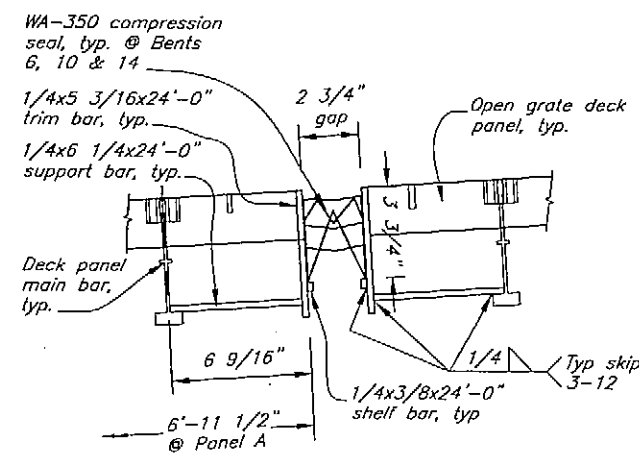
AS-BUILT
11-14-06 R.M.



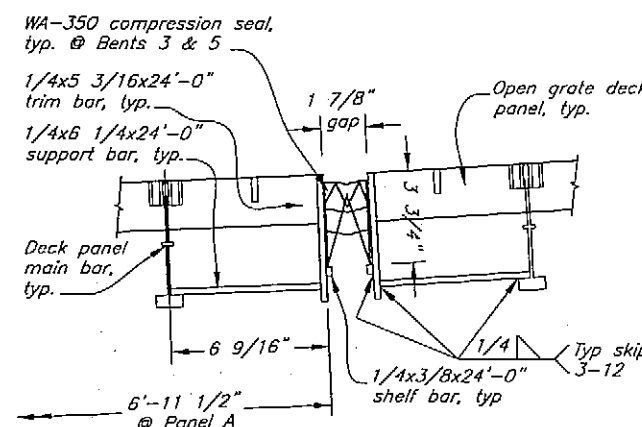
Panel Gap Detail Bents 2, 7-9, 11-13, & 15



Panel Gap Detail Bents 6, 10 & 14

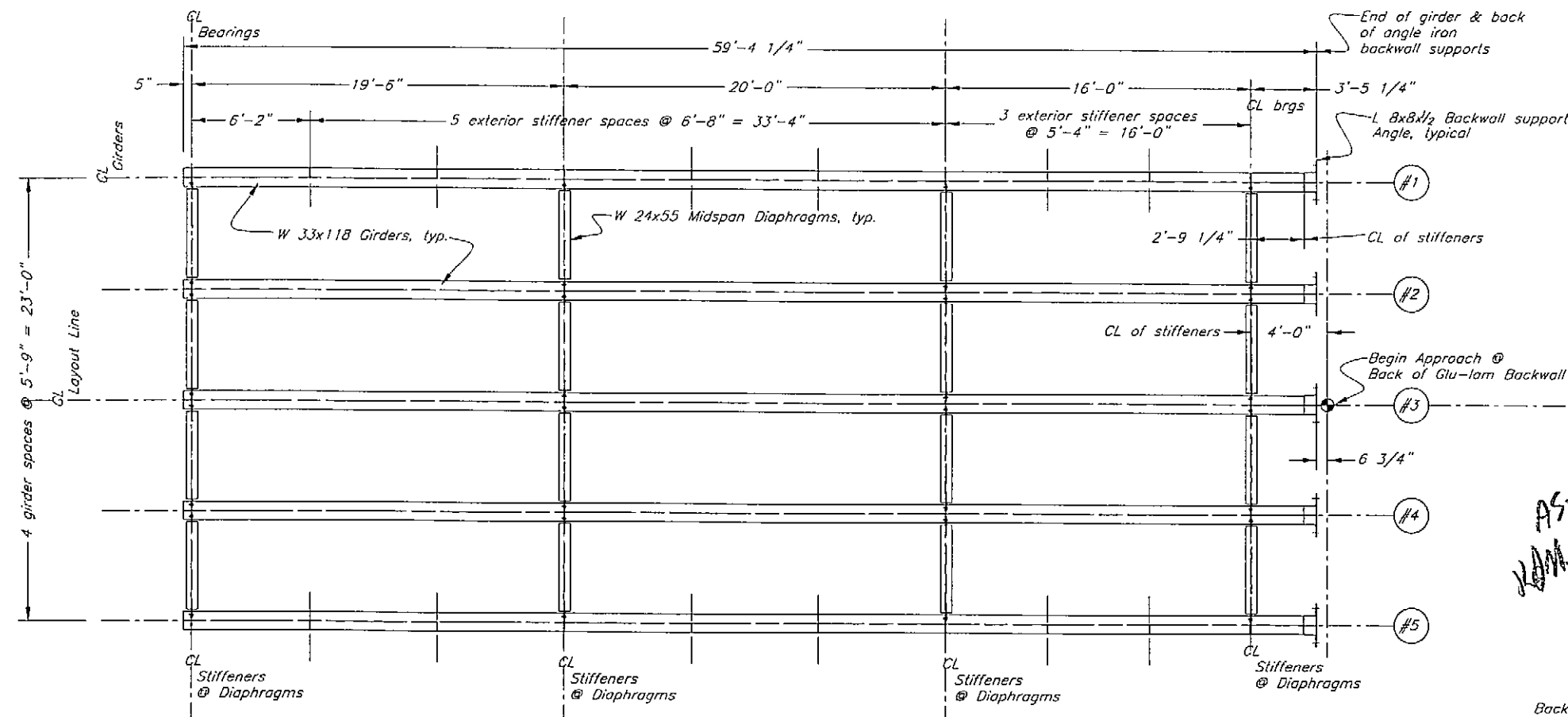


Panel Gap Detail Bent 4

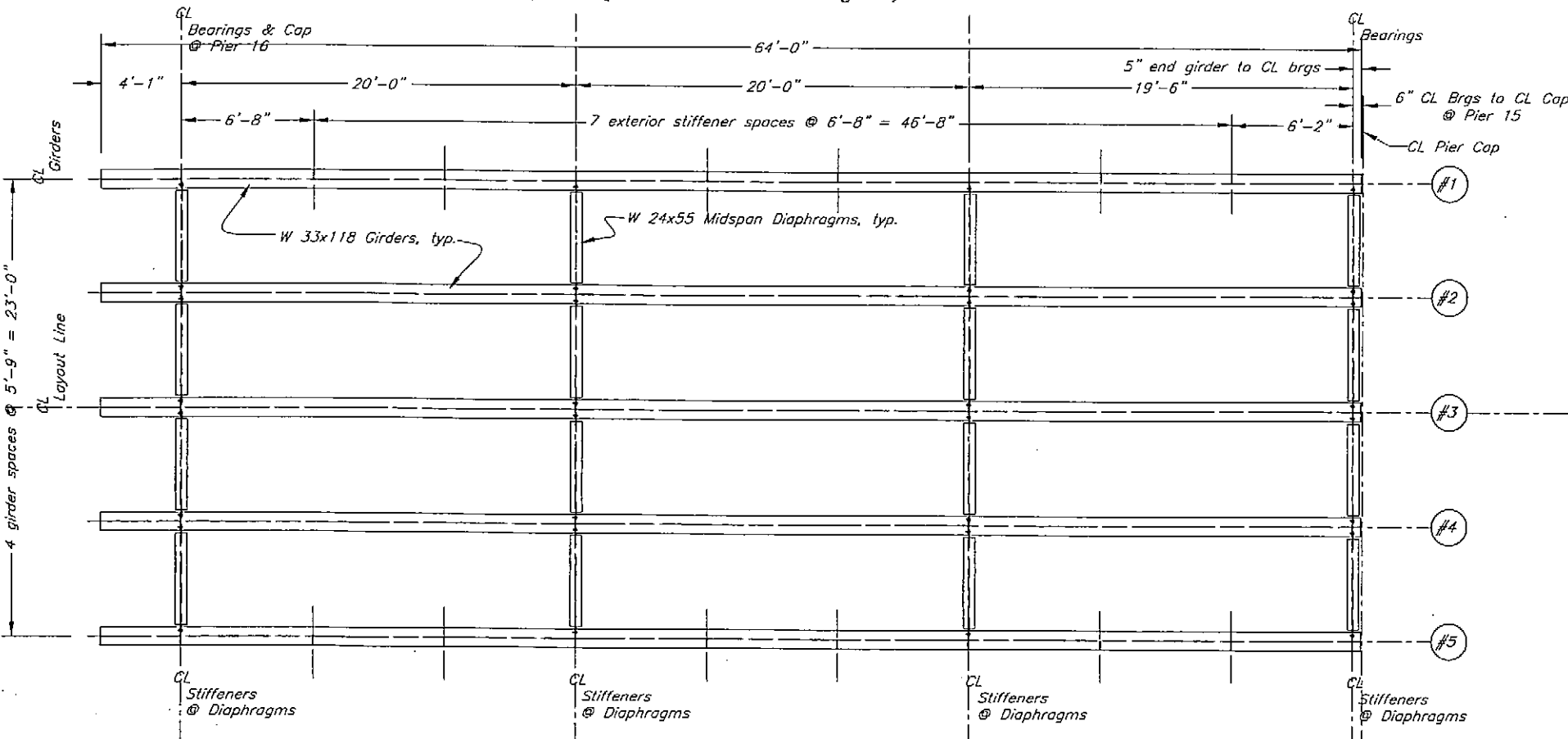


Panel Gap Detail Bents 3 & 5

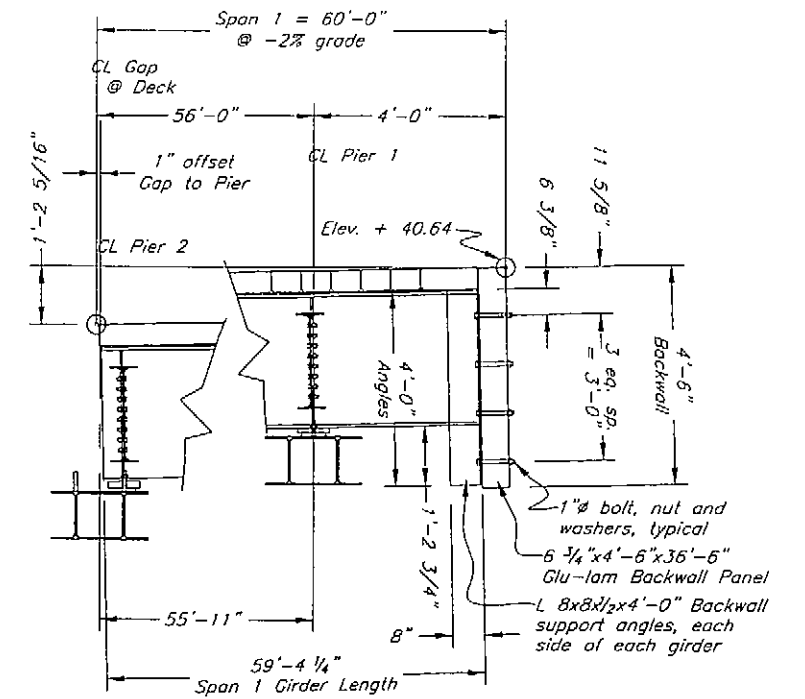
DESIGNED BY: J. Scott		DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS			
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION			
		South Mitkof Ferry Terminal			
CHECKED BY: B. Sotniko DRAWN BY: Staff		PROJECT DESIGNATION: 67833			
PATH: O:\Asy\67833\MF\PlanSet\017 Approach Deck Panels E-F.dwg		YEAR: 2005			
PLOT: PSPACE 1=1		SHEET NO.: 17			
TUE, 05/04/05 10:13AM		TOTAL SHEETS: 96			
REVISIONS		PROJECT DESIGNATION			
NO.	DATE	DESCRIPTION			



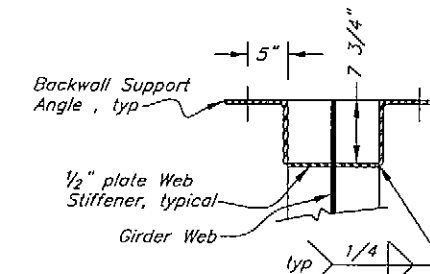
Framing Layout - Span 1
(Note: Span 1 is on a downhill grade)



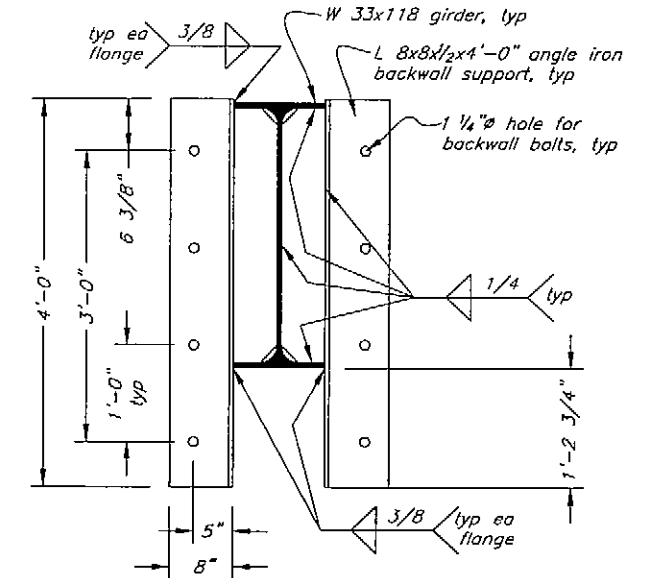
Framing Layout - Span 15



Section thru Span 1



Section @ Mid-height of Web



Section Thru Girder
(looking back at abutment)

Backwall Support Angle Attachment & Stiffeners

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: J. Scott

CHECKED BY: J. Beedle

DRAWN BY: J. Scott, T. Mores

PATH: Q:\Psp\67833\MF\PlanSet\019 Appr Framing 1 & 15.dwg

PLOT: PSPACE 1=1

Mon, 04/Apr/05 11:14AM

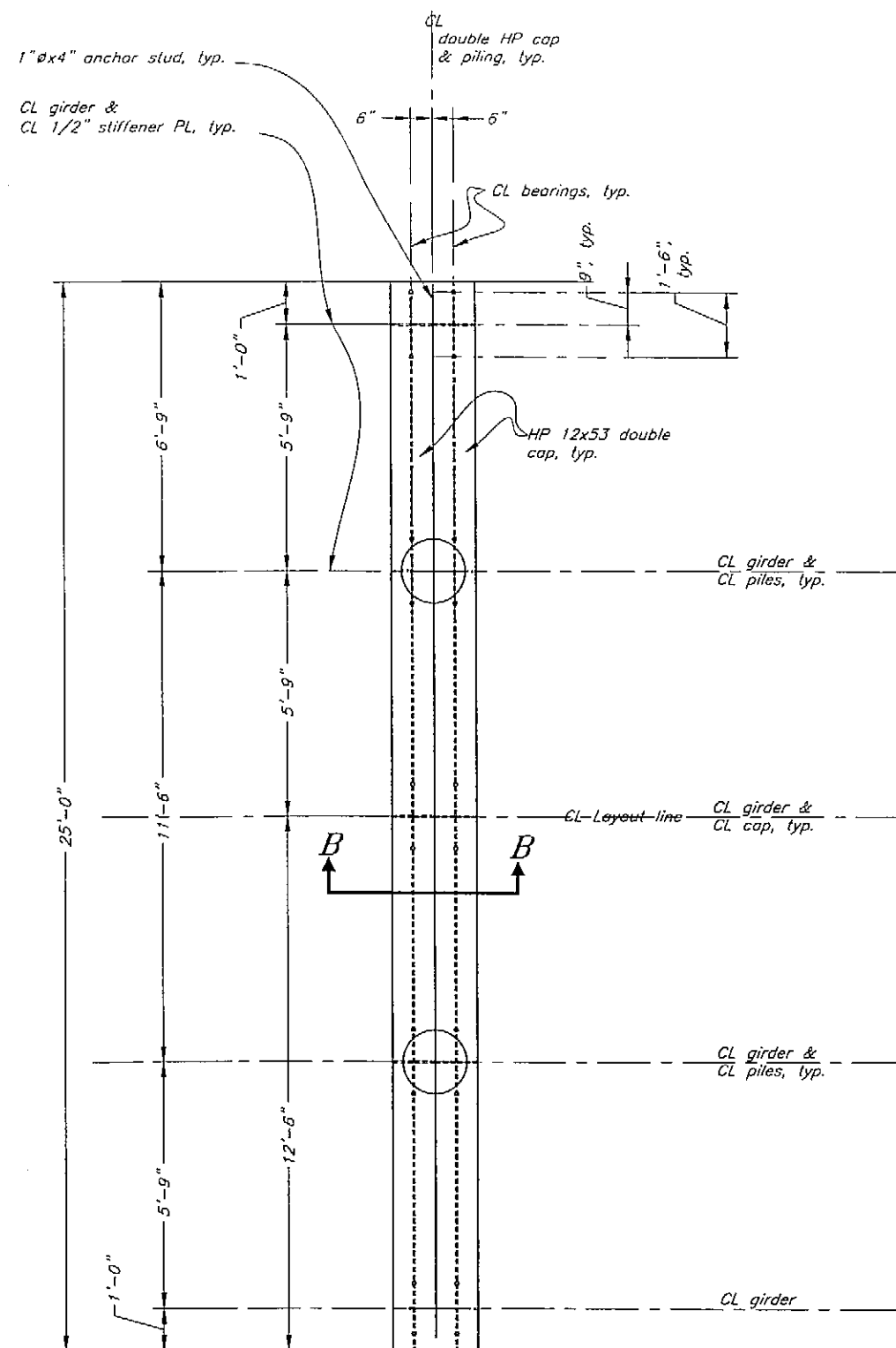
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

South Mitkof Ferry Terminal

**Approach Framing
Span 1 & 15**

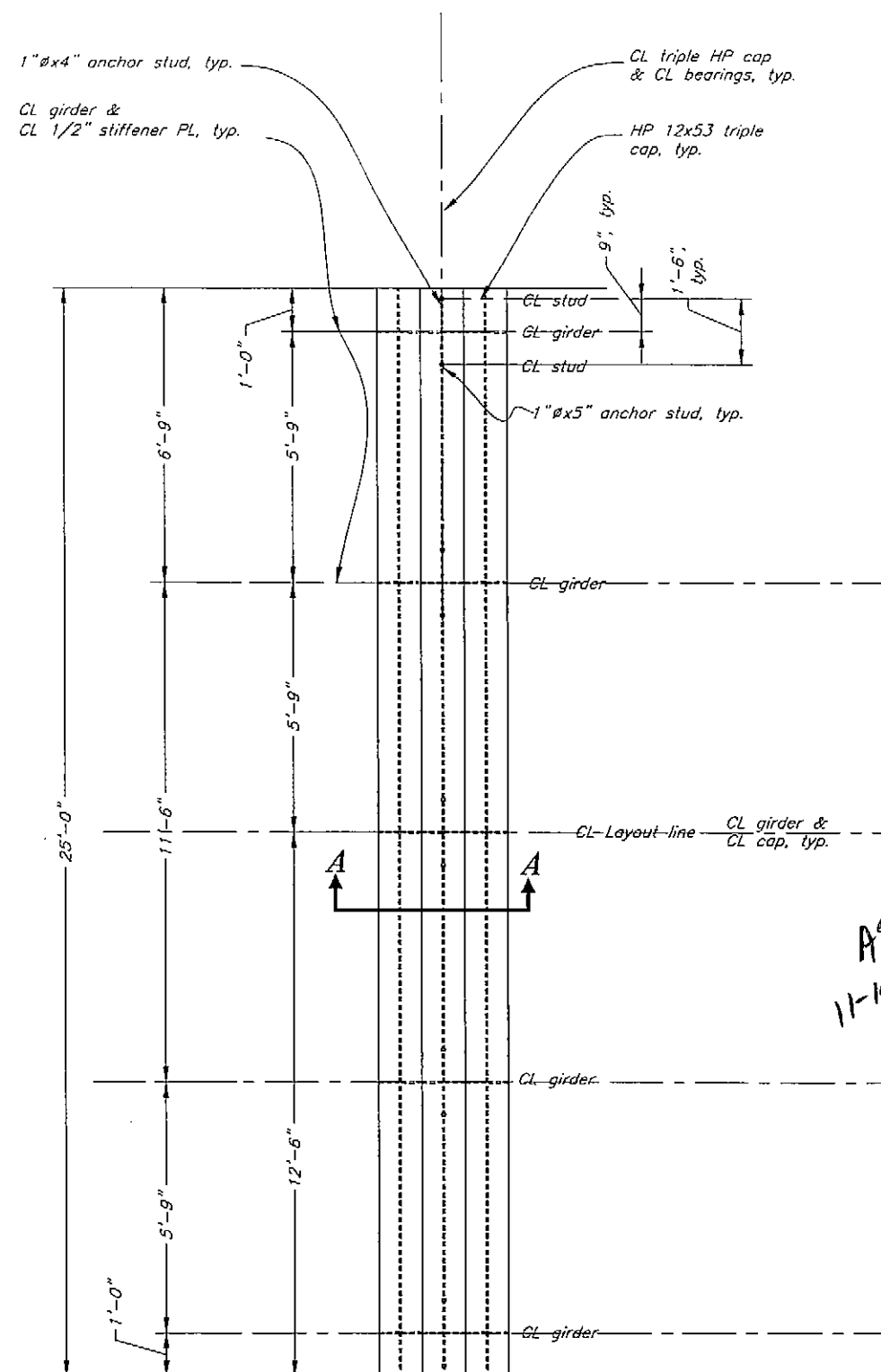
REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			67833	2005	19	96

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			67833	2005	20	96

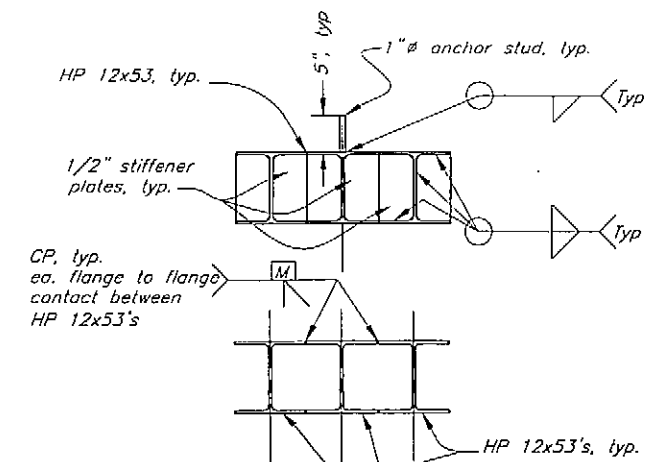


Plan
Approach Piers 2 - 16

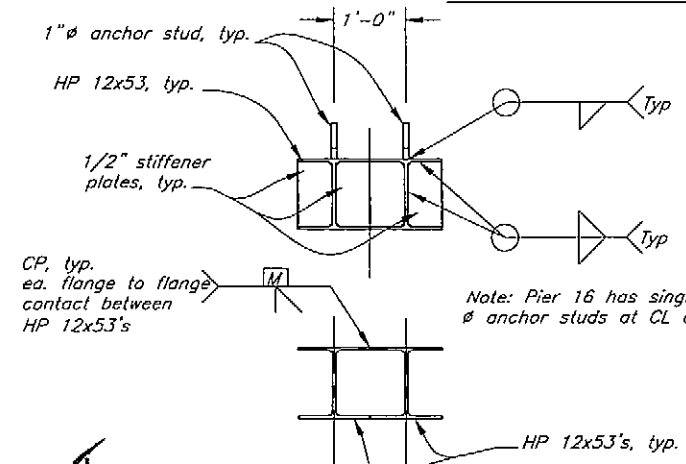
(Note: Pier 16 cap utilizes double HP cap, single row of anchor studs, per abutment, and pile layout same as Piers 2-15)



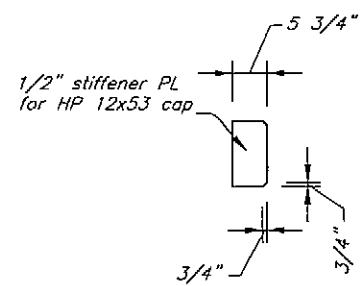
Plan @ Abutment



Section A-A



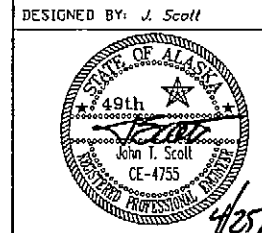
Section B-B



Stiffener Plates

AS-BUILT
11-14-06 KAM

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

South Mitkof Ferry Terminal

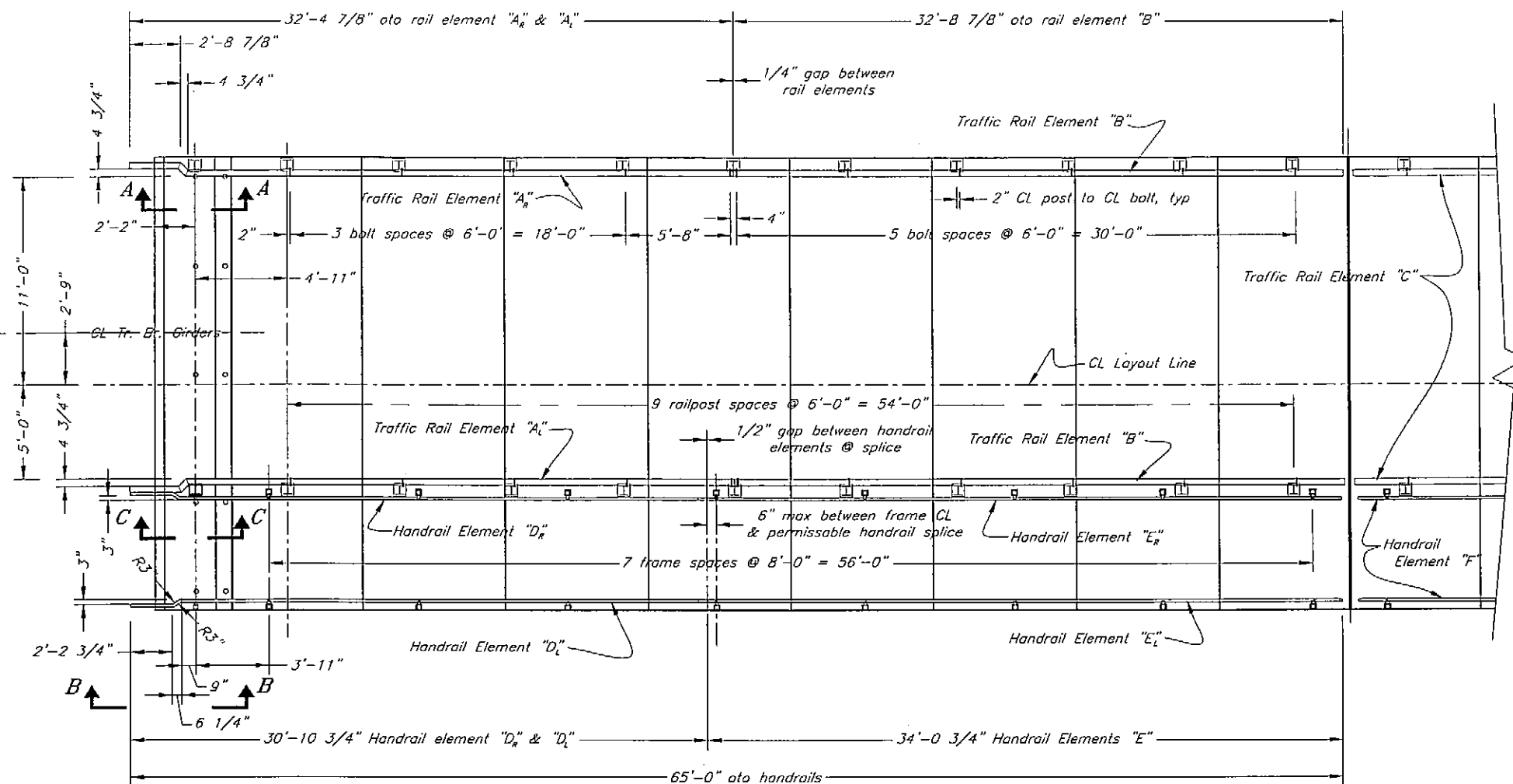
**Approach Cap
& Bearing Details**

CHECKED BY: J. Beedle
DRAWN BY: Staff

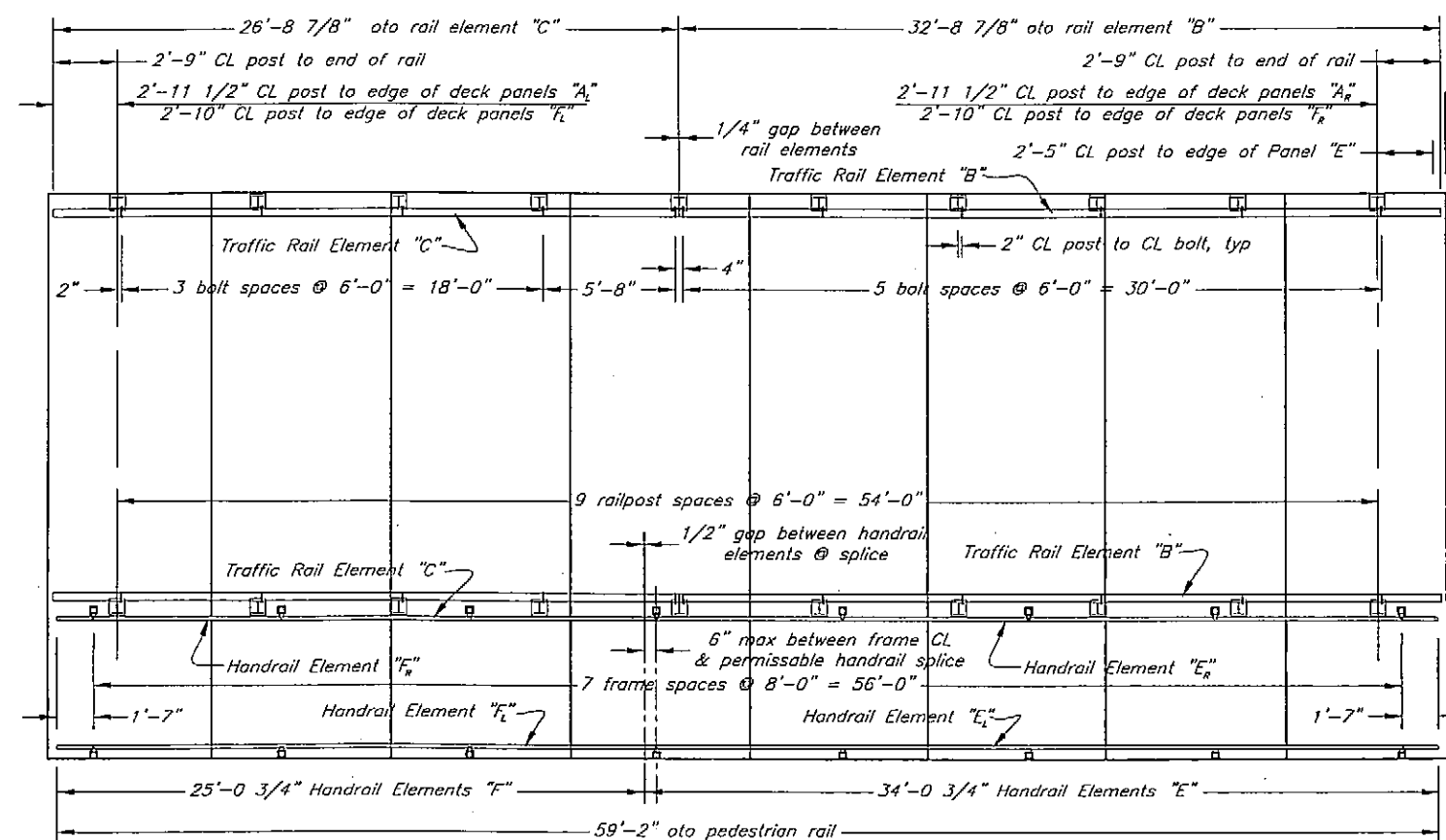
PATH: O:\Psg\67833\MF\PlanSet\021 Approach Cap & Brg Details.dwg
PLOT: PSPACE 1=1

Fri, 22/Apr/05 04:27PM

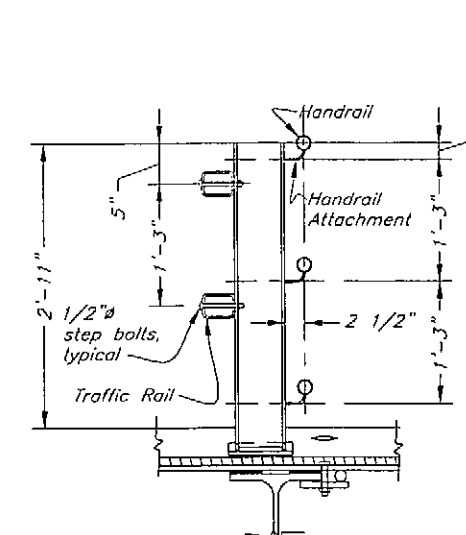
REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			67833	2005	21	96



Approach Rails - Span 15

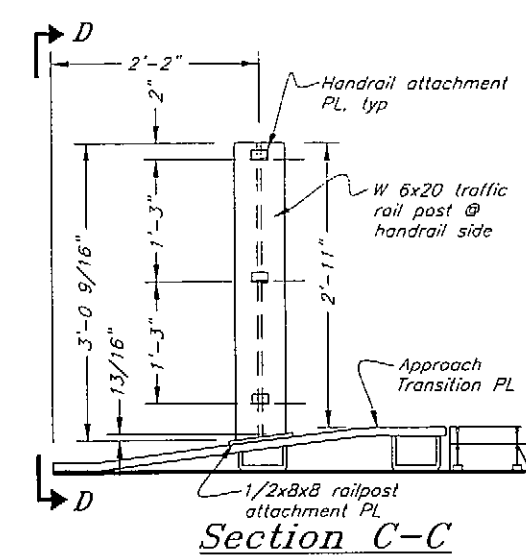


Approach Rails Spans 1-14

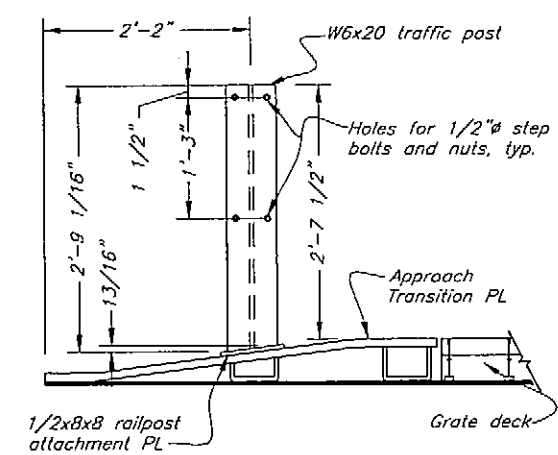


View D-D

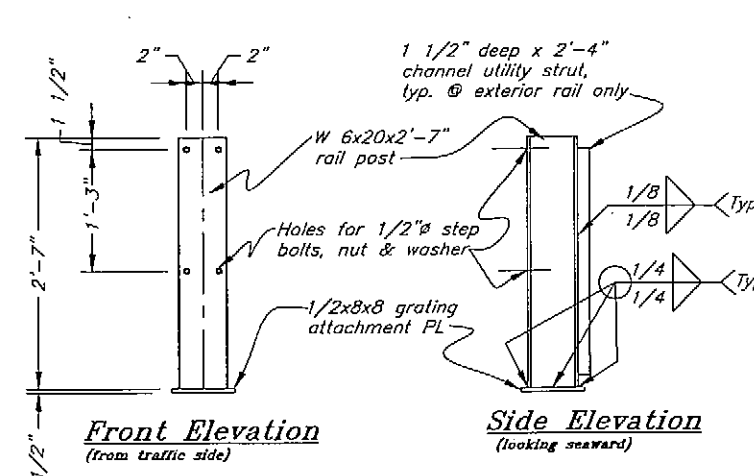
AS-BUILT
11-14-06 NMM



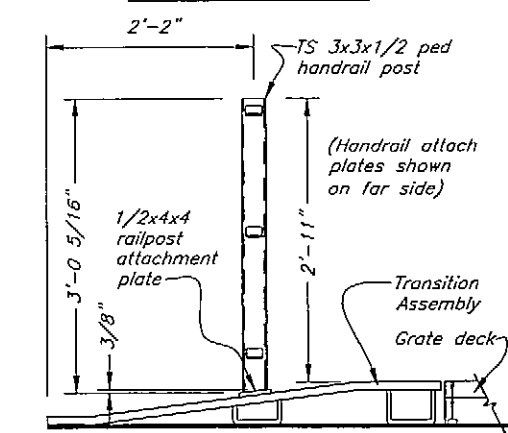
Section C-C



Section A-A

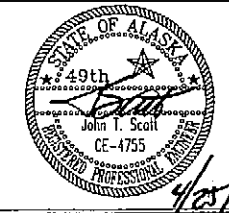


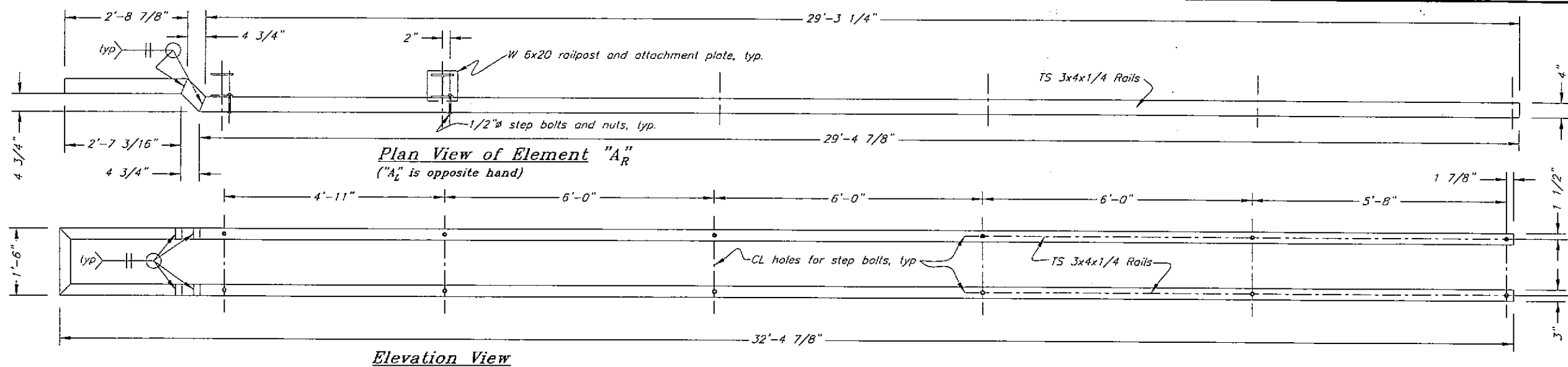
Traffic Rail Post



Section B-B

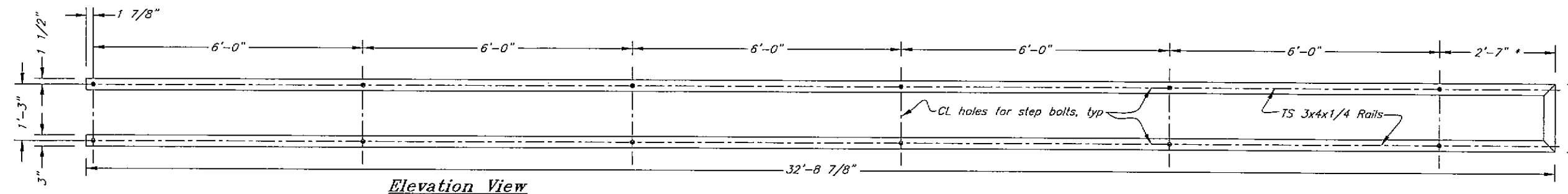
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: J. Scott		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION			
		South Mitkof Ferry Terminal			
CHECKED BY: J. Beadie		Approach Rails and Details			
DRAWN BY: J. Scott, T. Mores		PROJECT DESIGNATION			
PATH: Q:\Psp\67833\MF\PlanSet\022 Approach Rails.dwg		YEAR			
PLOT: PSPACE 1=1		SHEET NO.			
		TOTAL SHEETS			
		67833			
		2005			
		22			
		96			

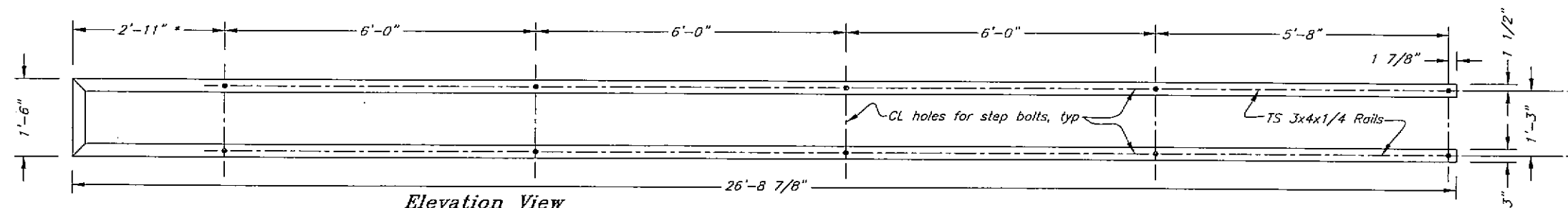


Traffic Rail Elements "A" & "A_L"
 (looking west "A_R" shown "A_L" is opposite hand)

AS-BUILT
 RLM 11-1A-08



Traffic Rail Elements "B"

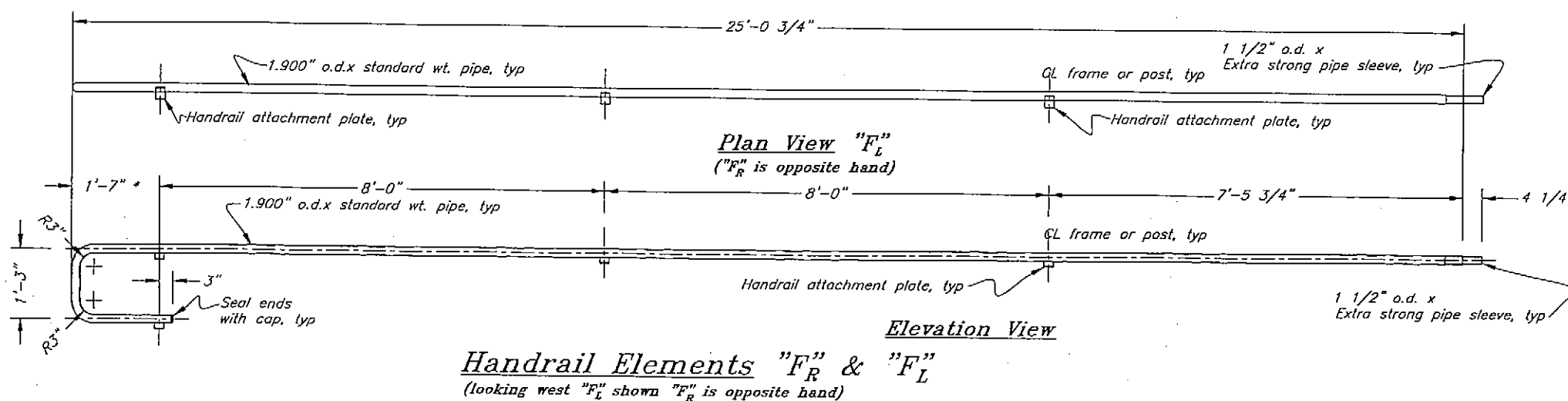
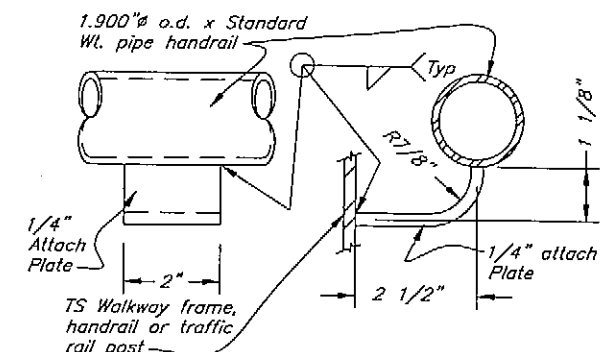
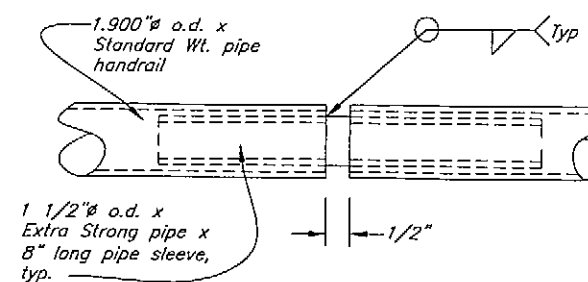
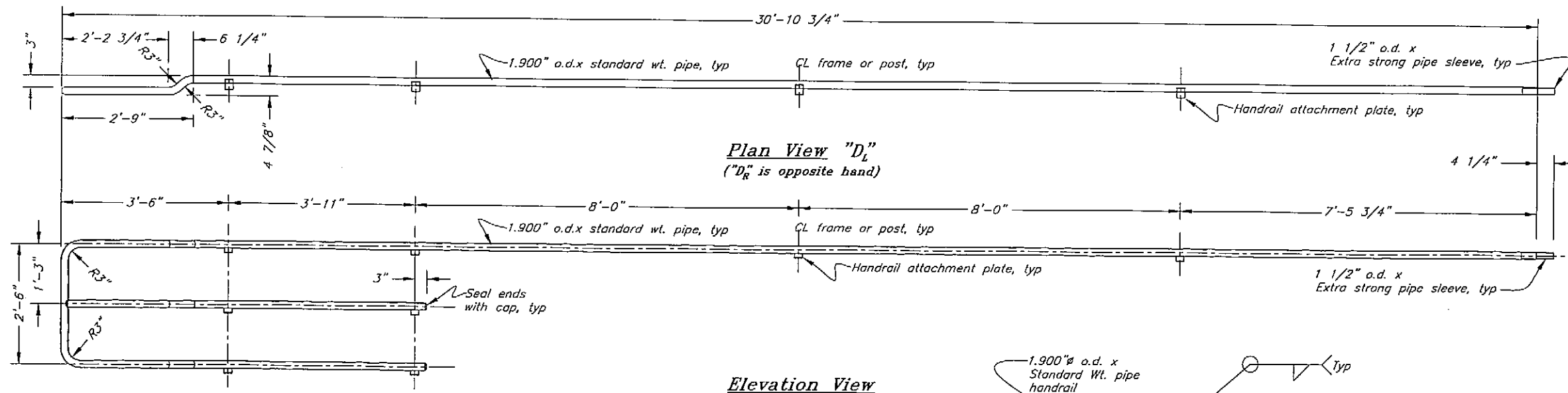
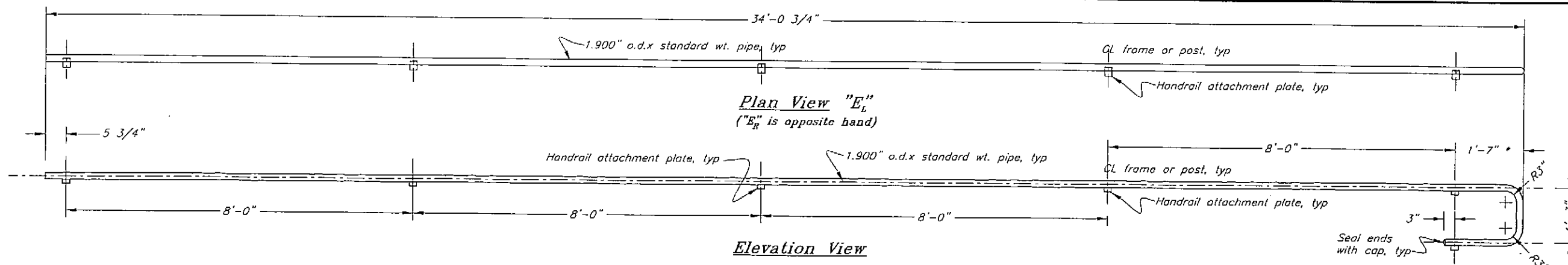


Traffic Rail Elements "C"

* Note: Adjust rail length @
 Bents 4, 8, & 12 to allow for
 emergency exits, see Sheet 27

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: J. Scott		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION			
		South Mitkof Ferry Terminal			
		Approach Traffic Rail Details			
CHECKED BY: J. Beedle		Mon, 04/Apr/05 11:25AM			
DRAWN BY: J. Scott, T. Mores					
PATH: G:\Psg\67833\MF\PlanSet\023 Approach Traffic Rails.dwg					
PLOT: PSPACE 1=1					
REVISIONS		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION	67833	2005	23
					96

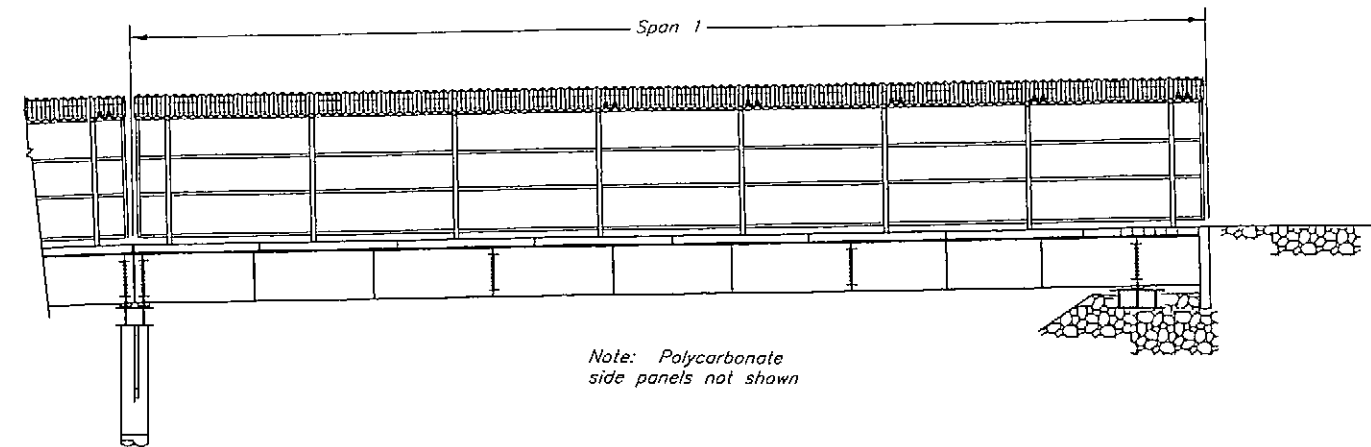
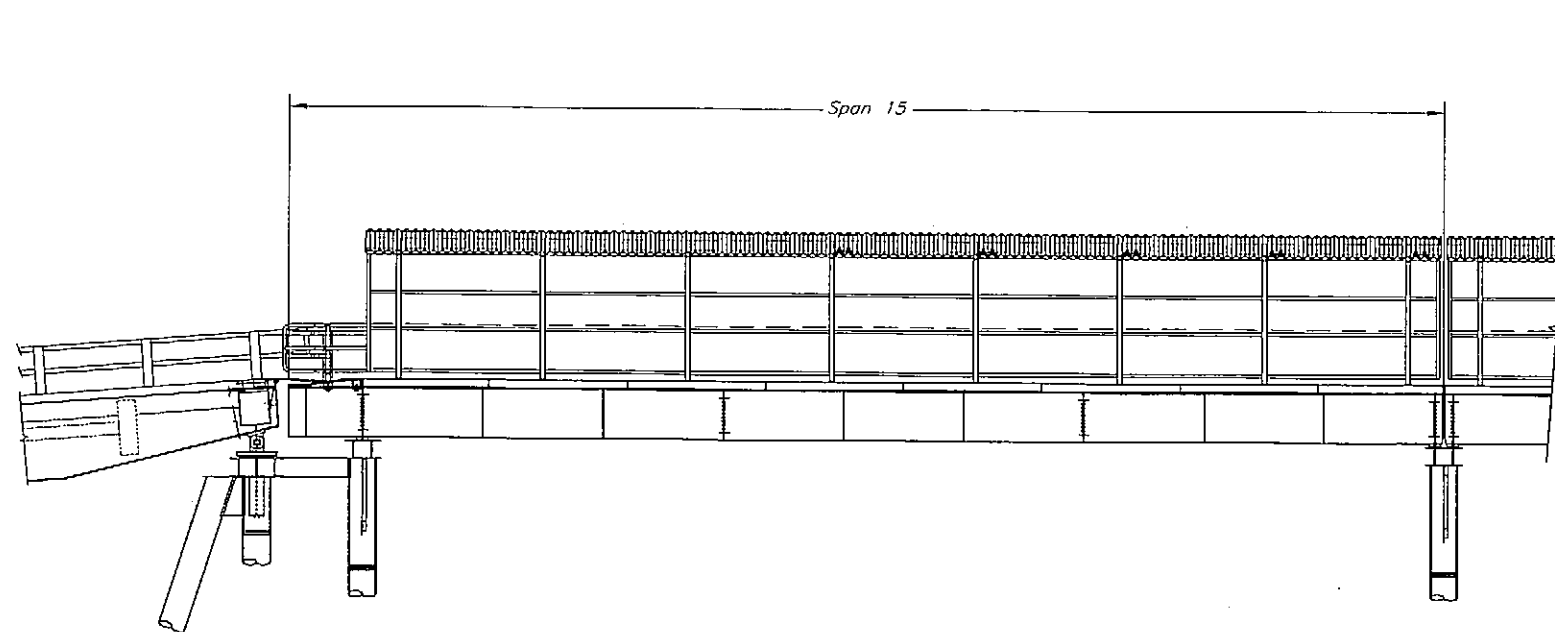


* Note: Adjust as req'd for emergency exits @ Bents 4, 8, & 12, see Sheet 27

AS-BUILT
11-19-06

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

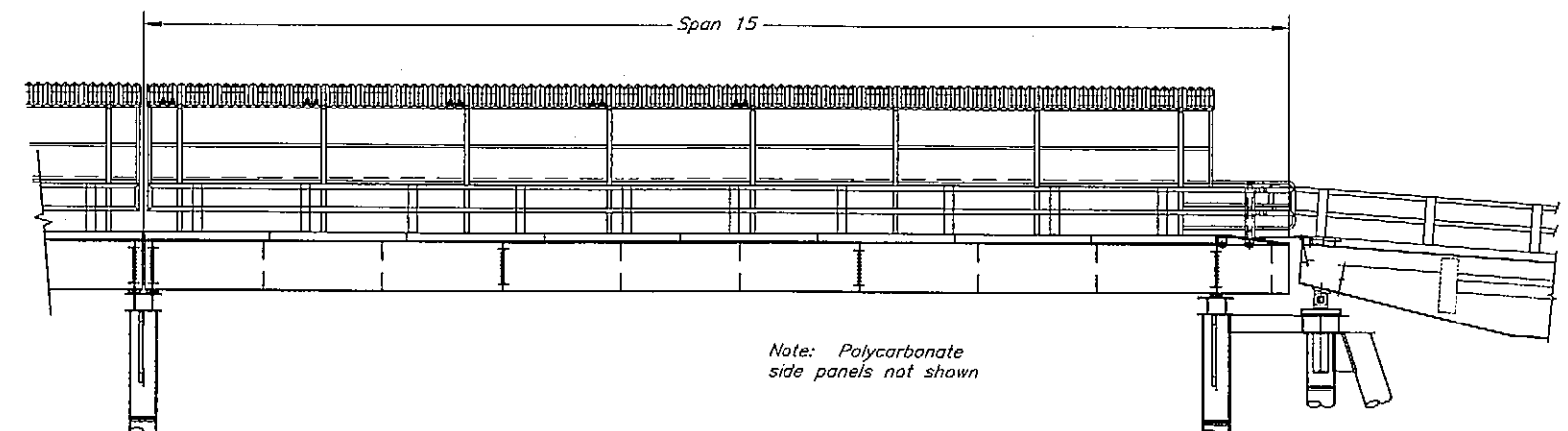
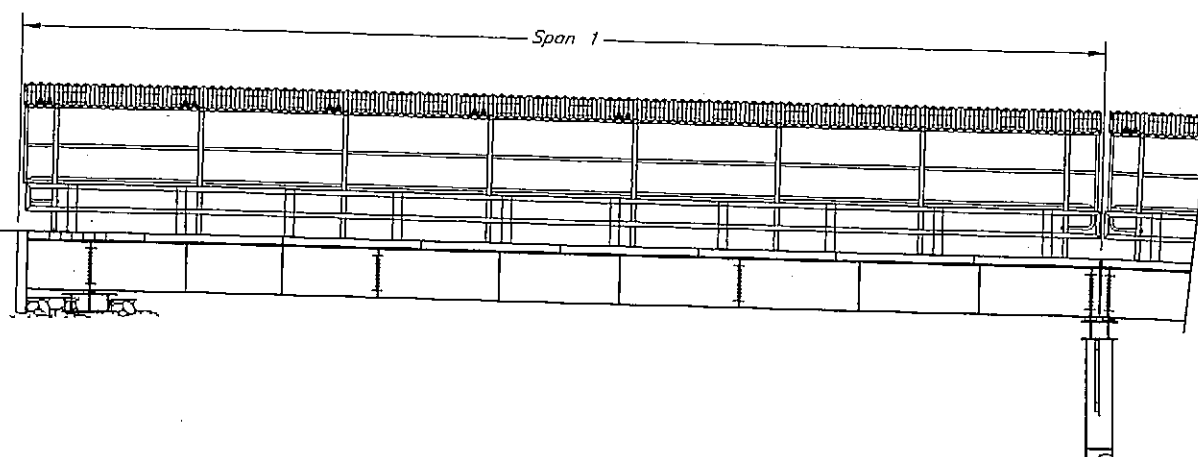
DESIGNED BY: J. Scott		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION															
		South Mitkof Ferry Terminal															
CHECKED BY: J. Beattie		Approach Handrail Details															
DRAWN BY: J. Scott, T. Mares																	
PATH: Q:\Psg\67833\AF\PlanSet\024 Approach Handrails.dwg																	
PLOT: PSPACE 1=1		Mon, 04/Apr/05 11:28AM															
<table border="1"> <thead> <tr> <th colspan="2">REVISIONS</th> <th rowspan="2">PROJECT DESIGNATION</th> <th rowspan="2">YEAR</th> <th rowspan="2">SHEET NO.</th> <th rowspan="2">TOTAL SHEETS</th> </tr> <tr> <th>NO.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>67833</td> <td>2005</td> <td>24</td> <td>96</td> </tr> </tbody> </table>		REVISIONS		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS	NO.	DATE			67833	2005	24	96		
REVISIONS		PROJECT DESIGNATION	YEAR					SHEET NO.	TOTAL SHEETS								
NO.	DATE																
		67833	2005	24	96												



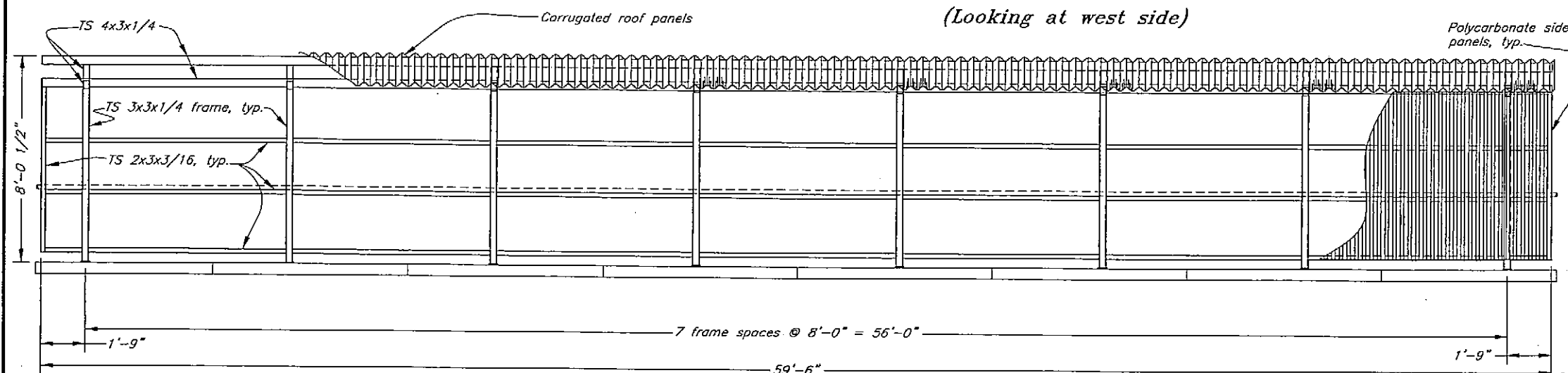
Note: See Marine
Electrical drawings for
luminaire locations

AS-BUILT
11-14-06 RMM

Elevation
(Looking at east side)



Elevation
(Looking at west side)



Typical Cover Span Elevation
(Looking at east side)

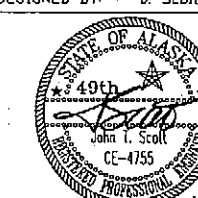
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

South Mitkof Ferry Terminal

Approach
Walkway Cover

DESIGNED BY: J. Scott



CHECKED BY: B. Savikko

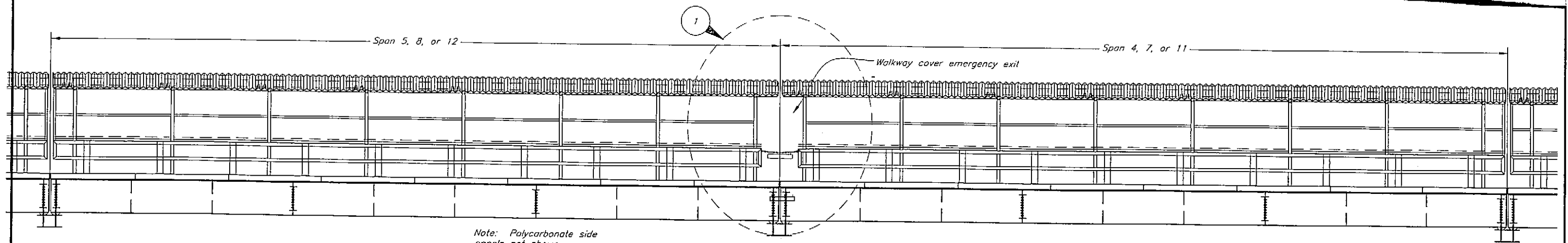
DRAWN BY: J. Scott/C. Fuman

PATH: Q:\Psg\67833\MF\PlanSet\025 Approach Walkway Cover.dwg

PLOT: PSPACE 1=1

Mon, 25/Apr/05 03:02PM

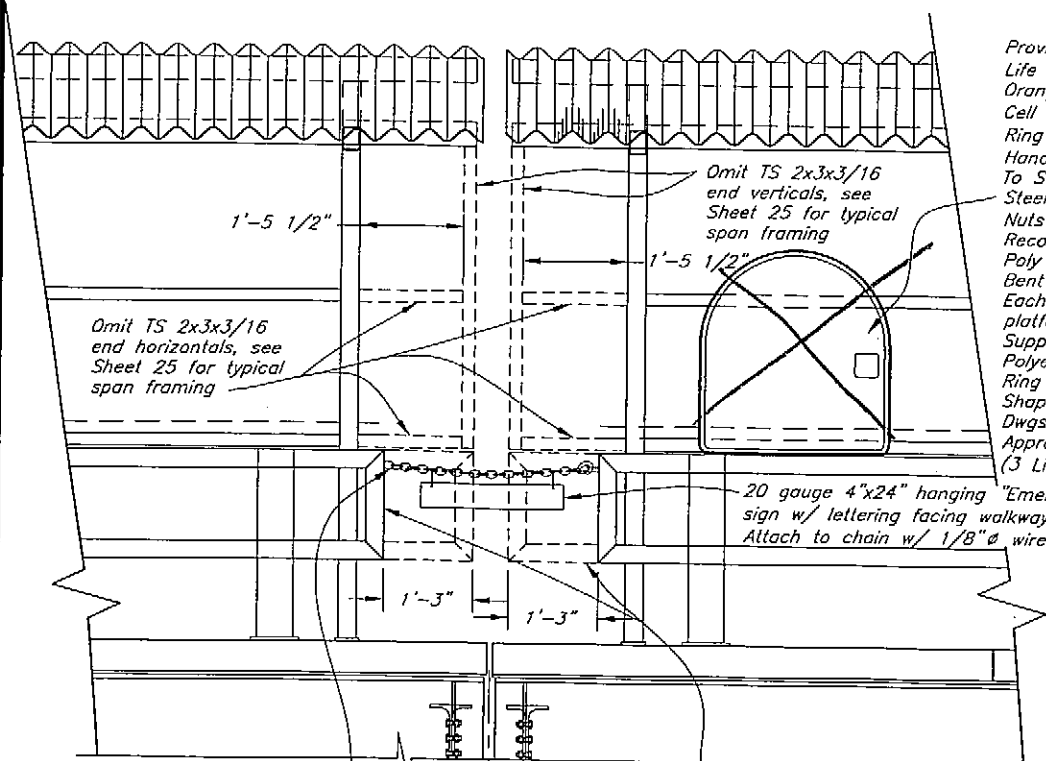
REVISIONS			PROJECT DESIGNATION		YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION					
			67833		2005	25	96



Note: Polycarbonate side panels not shown

Emergency Exit Elevation

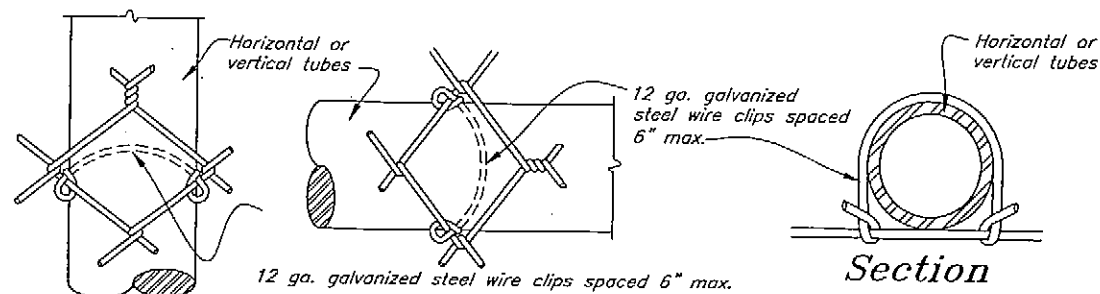
Provide Coast Guard Approved Life Ring, 30"Ø Type 4 PFD. Orange Softex Covered Closed Cell Plastic Core w/ Rope Grab Ring & 100' of Polypropylene Hand Line (fuse ends). Mount To Structure With Stainless Steel Clamps, bolts & Lock Nuts Per Manufacturer's Recommendation. Life Ring & Poly Hand Line Required At Bent 12 Emergency Exit and Each Access Ladder from platform To Support Pontoon. Supply And Install UV stabilized Polyethylene or Fiberglass Life Ring Box, Approximately Size & Shape As Shown, Submit Shop Dwg's. & Ring Information For Approval. (3 Life Ring Units Req'd.)



5/16" chain w/ s-hook one end, weld chain & eye to rail ends, make eye from one chain link or D-ring

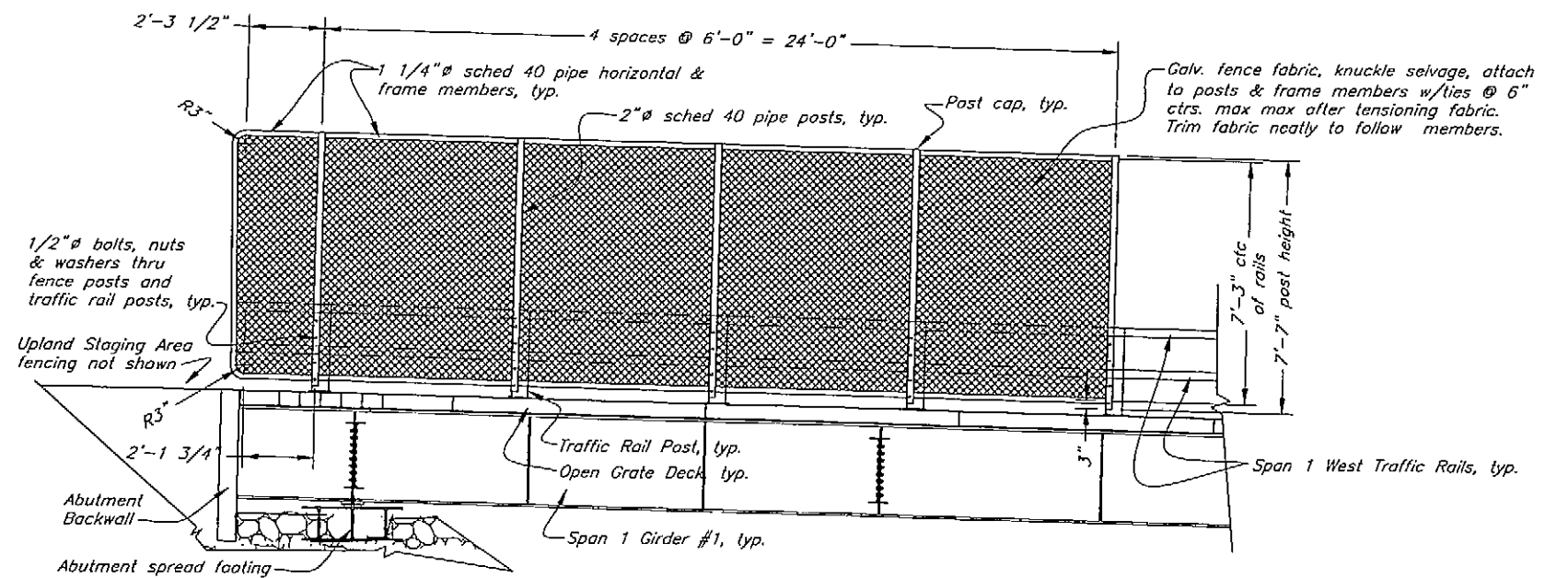
Shorten traffic and pedestrian rails 1'-3", see Sheets 23 & 24 for typical rail lengths

Detail Emergency Exit



Elevation

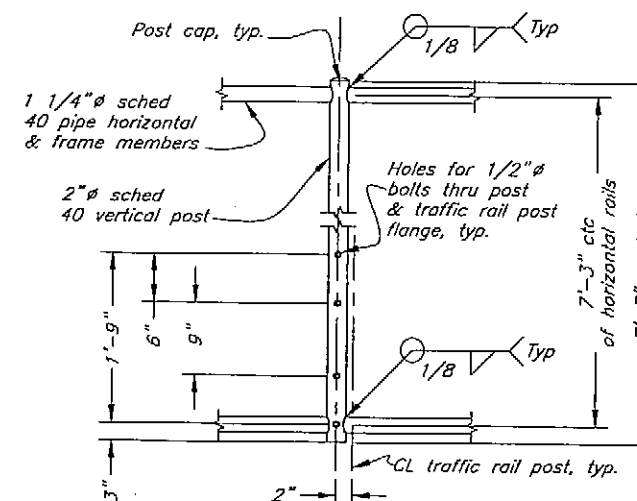
Typical Method of Tying Fabric to Posts & Horizontals



Elevation View - Security Fence @ Abutment

(View looking East toward approach)

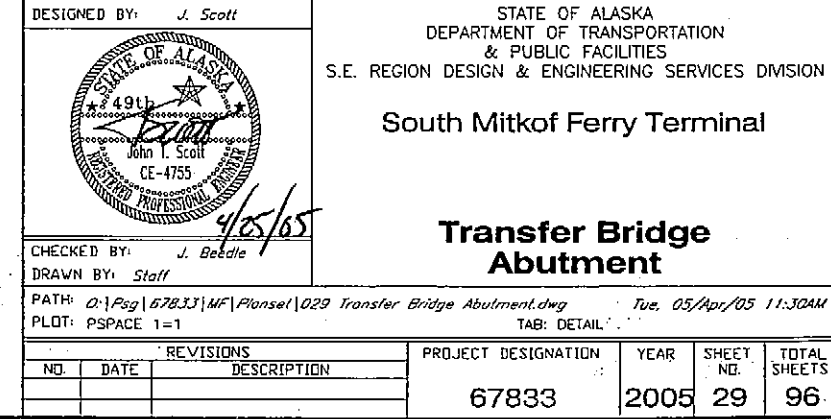
AS-BUILT
KAM 11-14-06

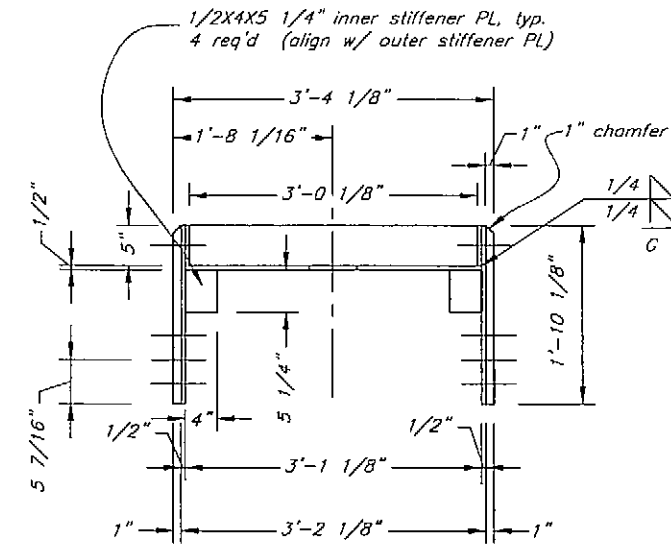
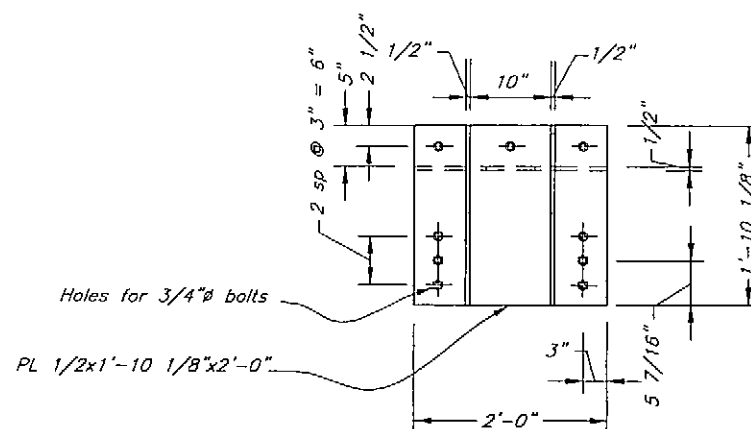
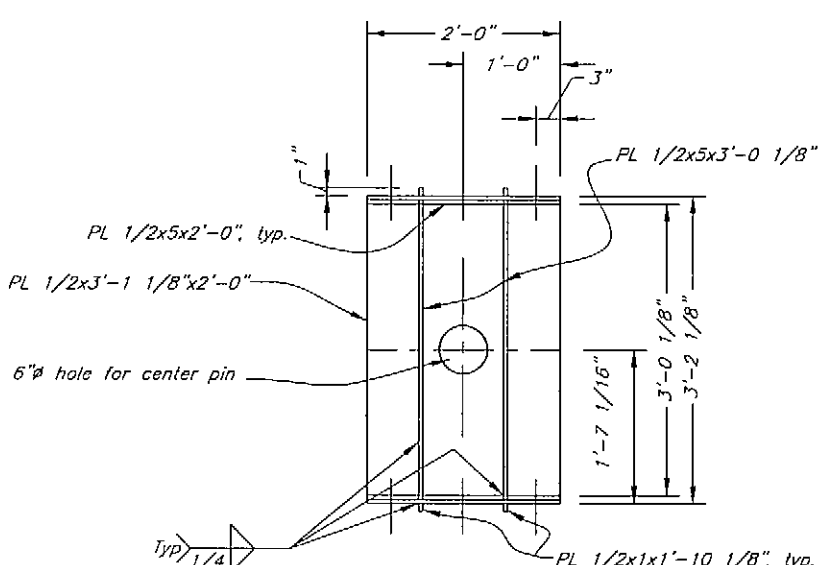
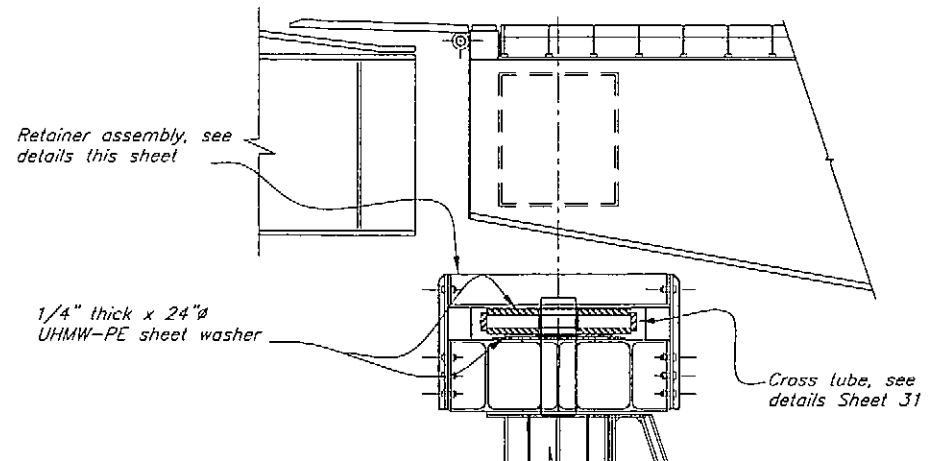
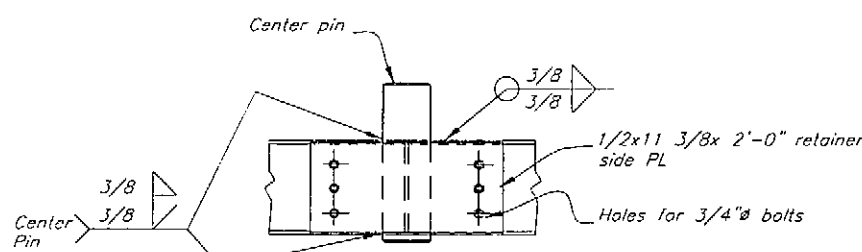
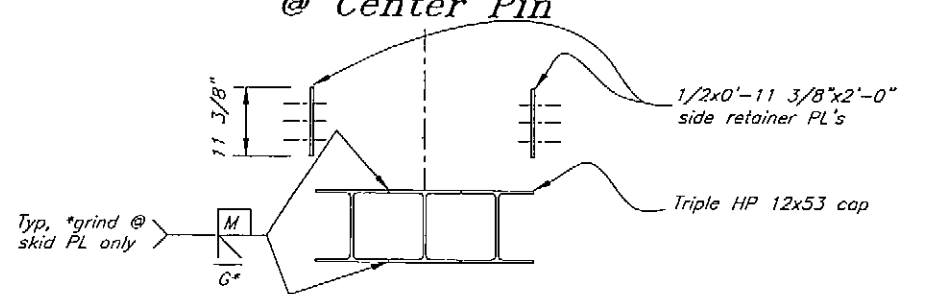
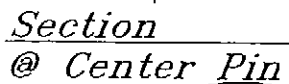
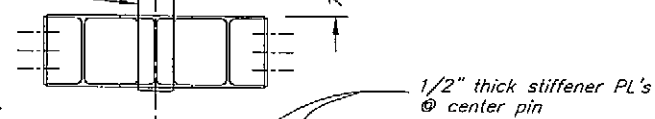
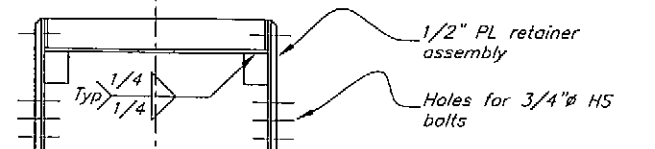
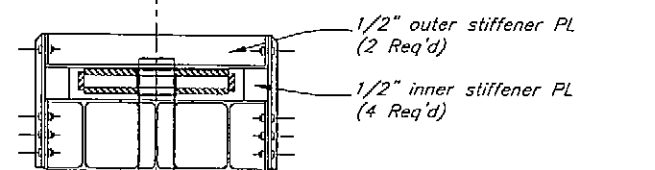
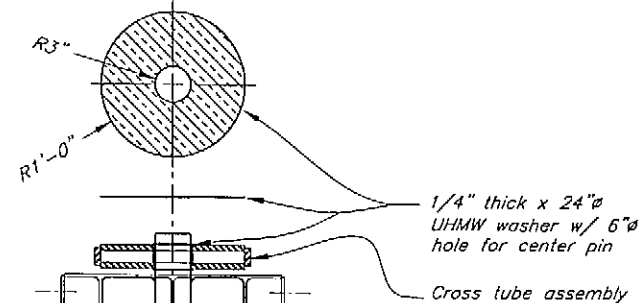
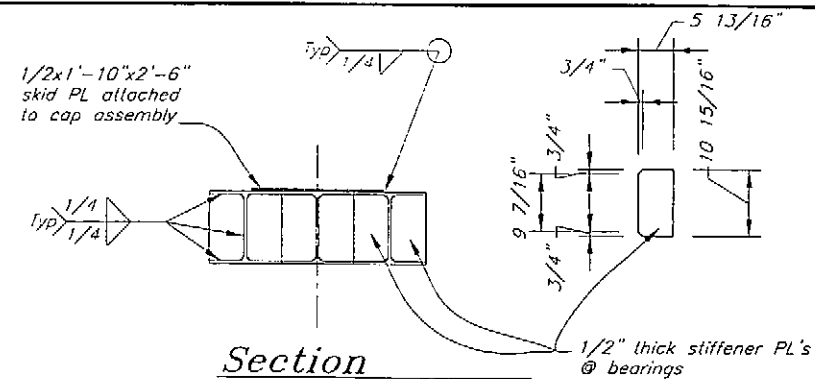


Post & Horizontal Weld Details

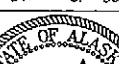
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

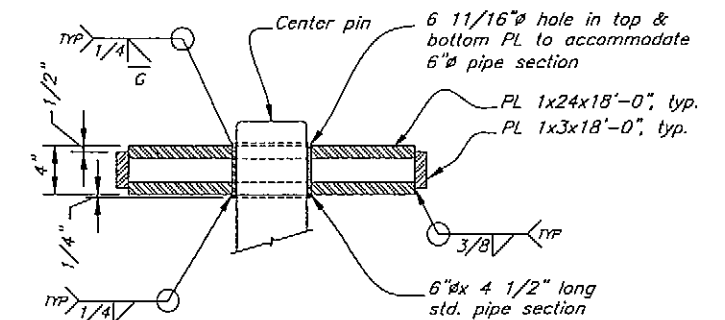
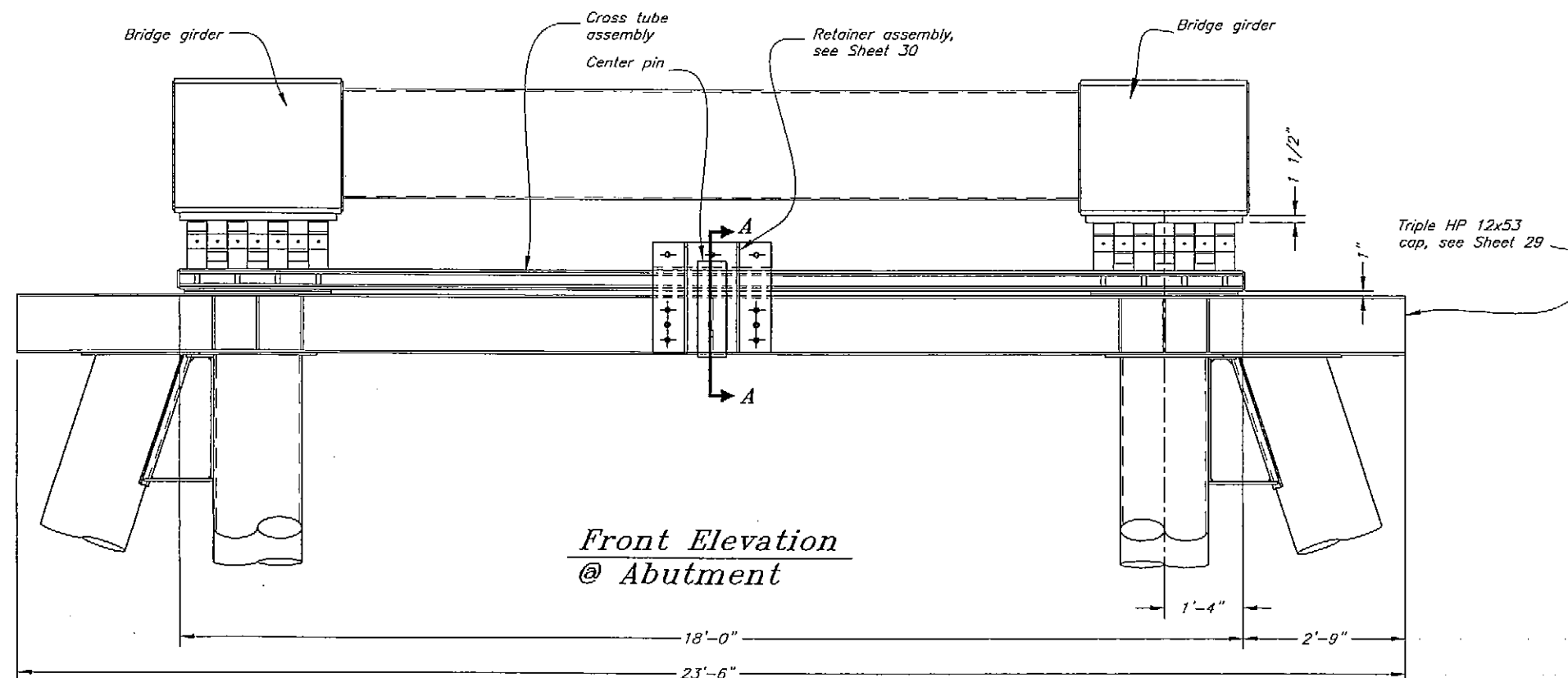
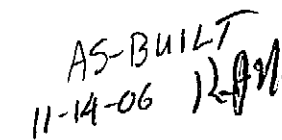
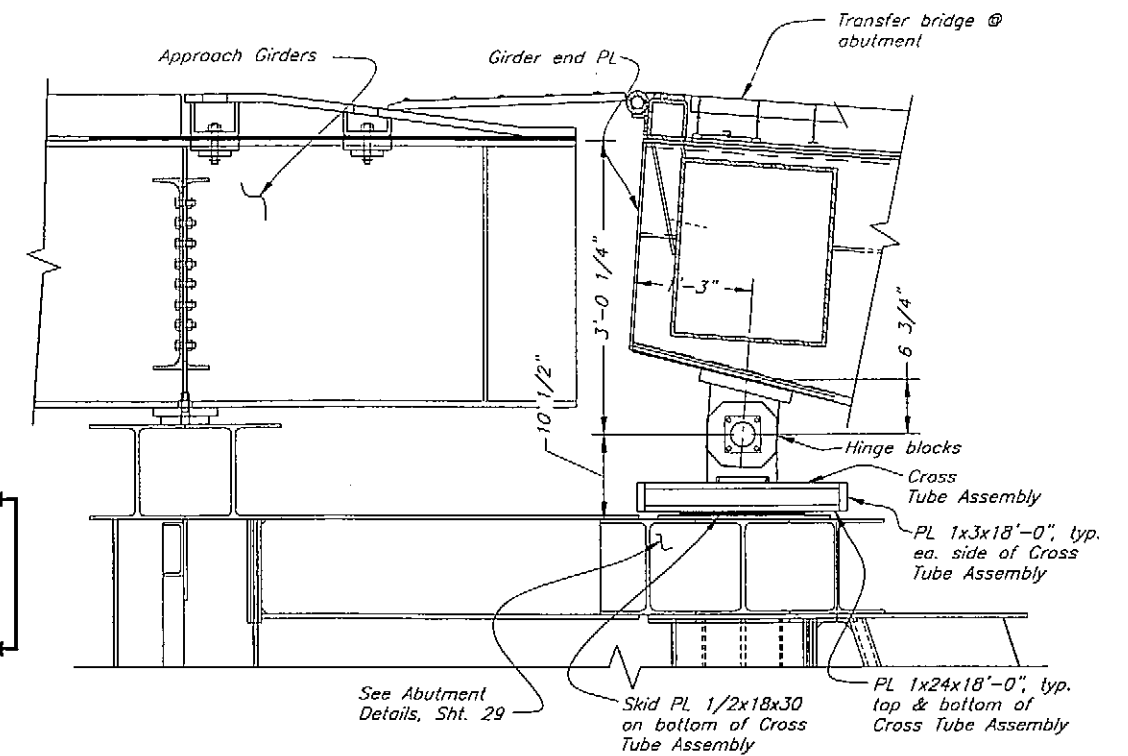
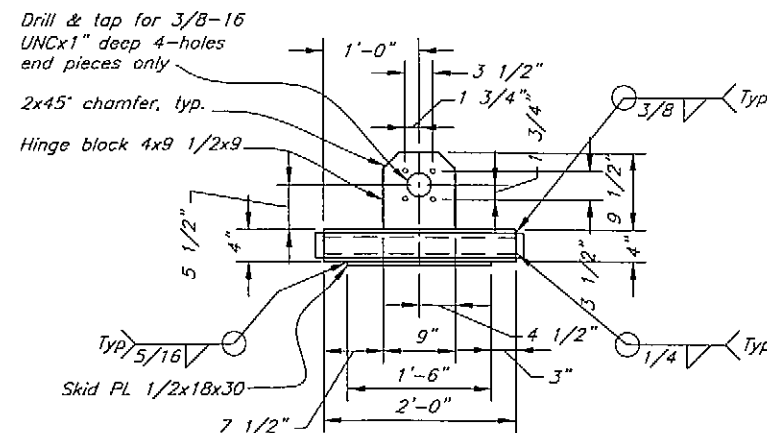
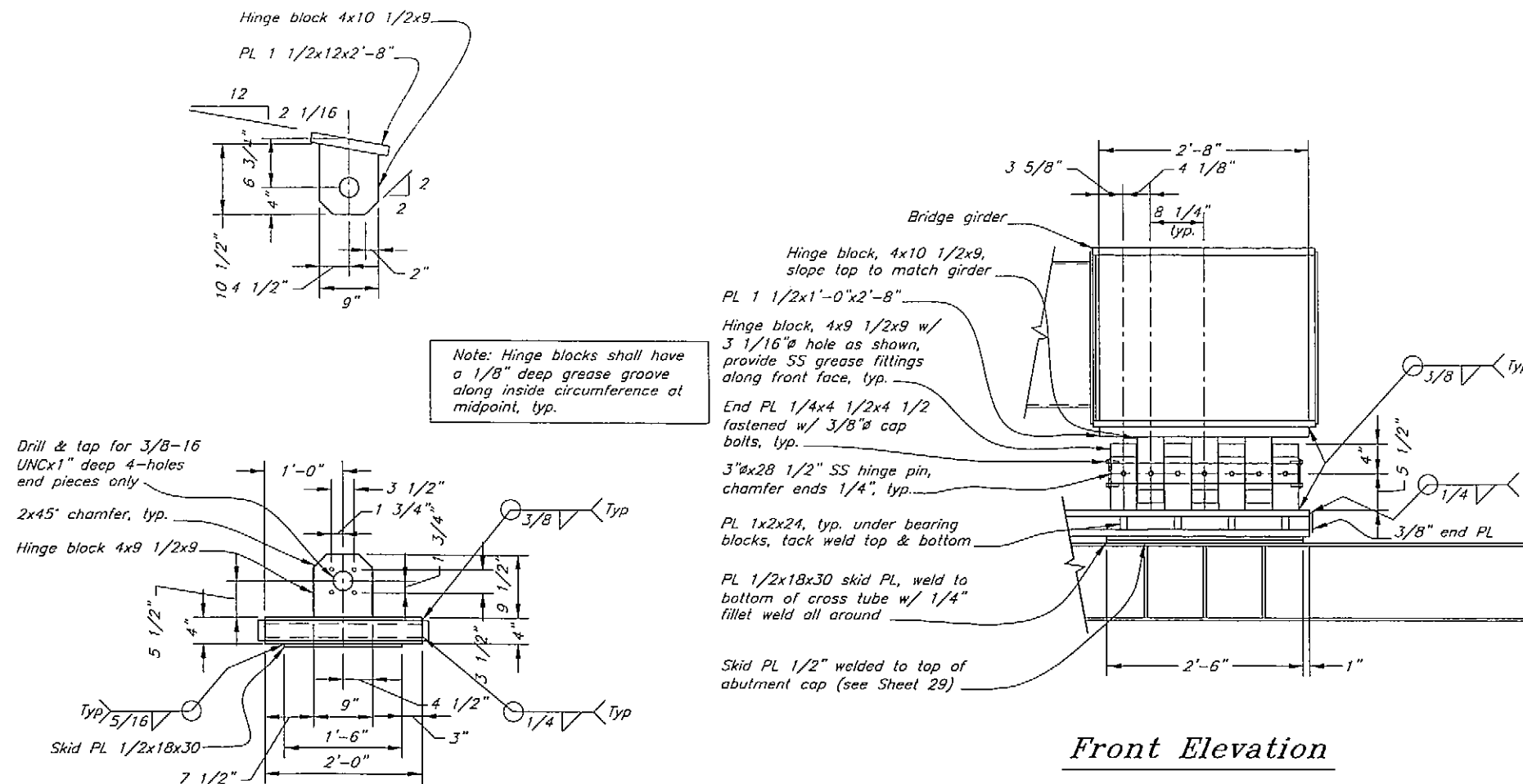
DESIGNED BY: J. Scott		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION	
		South Mitkof Ferry Terminal	
CHECKED BY: B. Sankko		Approach Walkway Cover Emergency Exits	
DRAWN BY: J. Scott/C. Fuman		PROJECT DESIGNATION: 67833	
PATH: Q:\Psg\67833\MF\PlanSet\027 Approach Walkway Cover Em Exit.dwg		YEAR: 2005	
PLOT: PSPACE 1=1		SHEET NO.: 27	
Tob: Elevations		TOTAL SHEETS: 96	
Tue, 26/Apr/05 12:33PM			





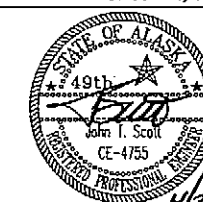
AS-BUILT
11-14-06 RJA

DESIGNED BY: <i>J. Scott</i>  <i>4/25/05</i>		DO NOT SCALE FROM THESE DRAWING USE DIMENSIONS STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION South Mitkof Ferry Terminal																				
CHECKED BY: <i>J. Beedle</i> DRAWN BY: <i>Slaff</i>		Transfer Bridge Abutment Details																				
PATH: <i>C:\Psg\67833\MF\Plansect\030 Transfer Bridge Abutment Details.dwg</i> PLOT: <i>PSPACE 1=1</i>																						
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: left;">REVISONS</th> </tr> <tr> <th style="width: 10%;">NO.</th> <th>DATE DESCRIPTION</th> </tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>		REVISONS		NO.	DATE DESCRIPTION							<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 25%;">PROJECT DESIGNATION</th> <th style="width: 15%;">YEAR</th> <th style="width: 15%;">SHEET NO.</th> <th style="width: 45%;">TOTAL SHEETS</th> </tr> <tr> <td style="text-align: center; font-size: 1.2em;">67833</td> <td style="text-align: center;">2005</td> <td style="text-align: center;">30</td> <td style="text-align: center;">96</td> </tr> </table>			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS	67833	2005	30	96
REVISONS																						
NO.	DATE DESCRIPTION																					
PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS																			
67833	2005	30	96																			



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: B. Savikko/J. Scott



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

South Mitkof Ferry Terminal

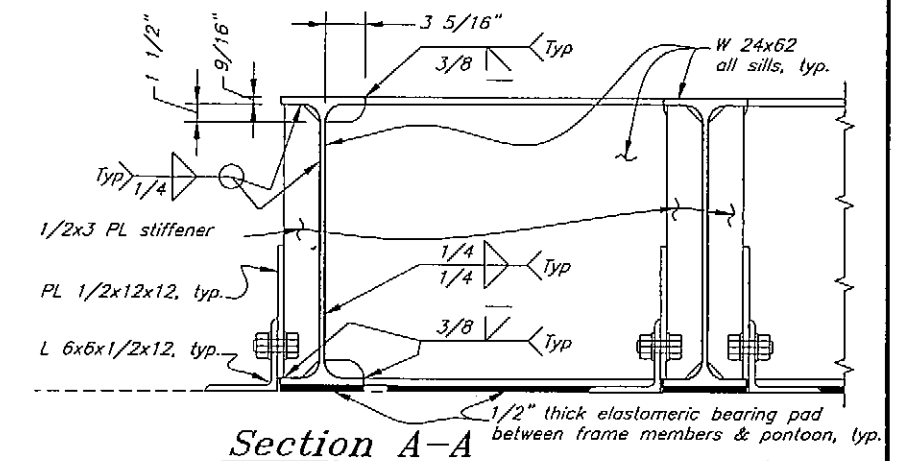
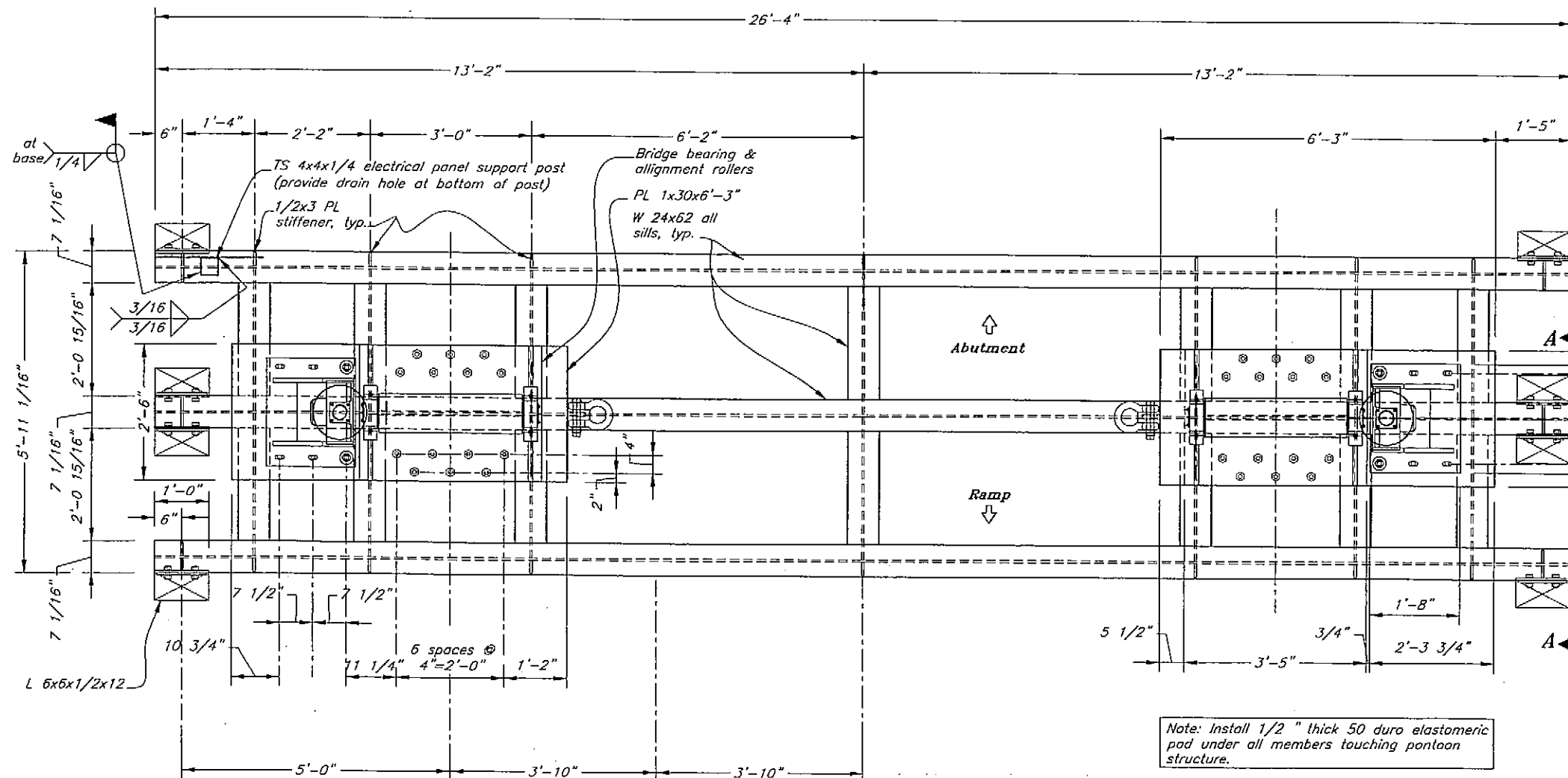
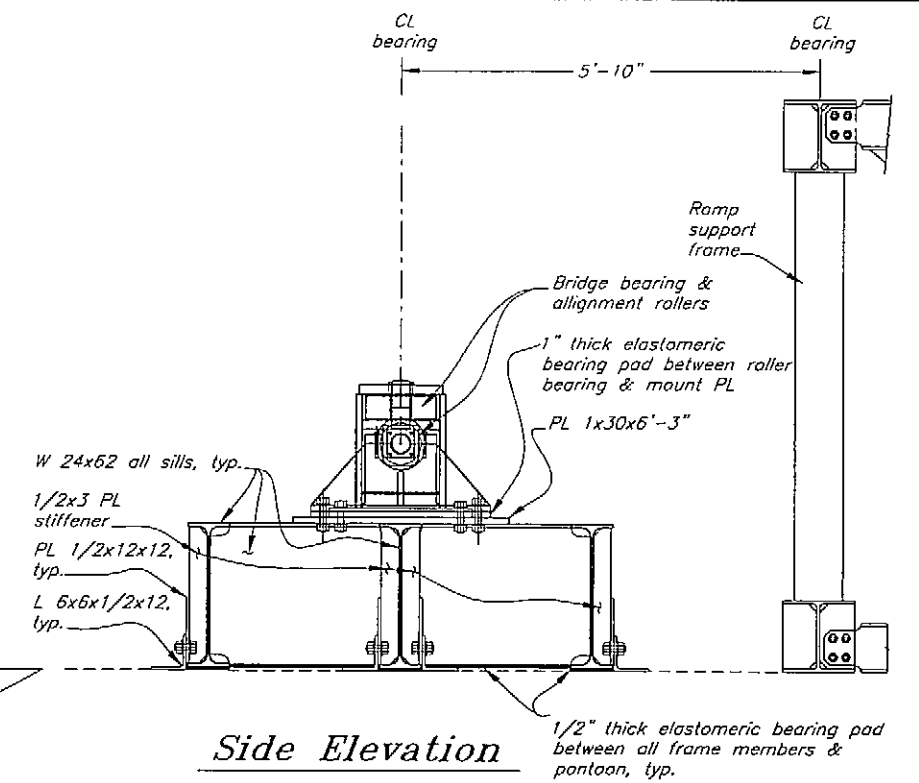
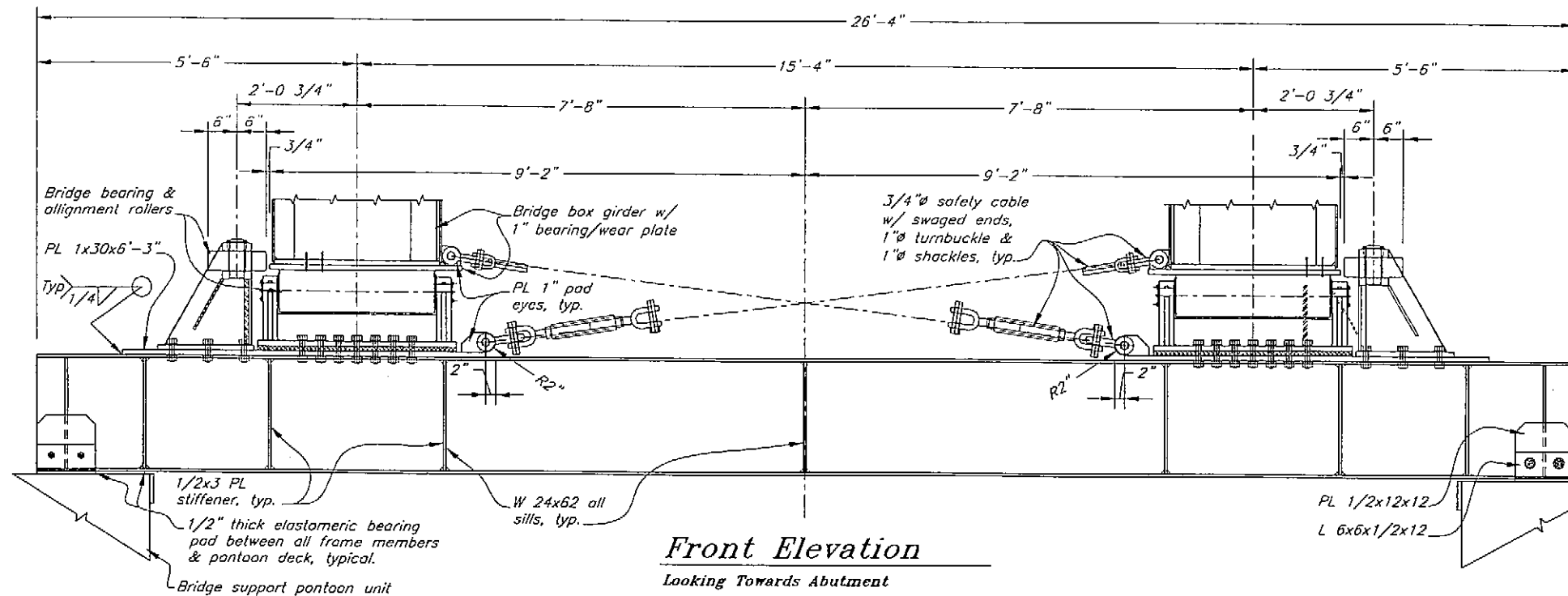
Bridge Abutment Bearings

CHECKED BY: *B. Savikk*
DRAWN BY: *Staff*

PATH: O:\Psg\678JJ\MF\Planset\031 Bridge Abutment Bearings.dwg
PLGT: PSPACE 1=1

Fri, 01/Apr/05 09:02AM

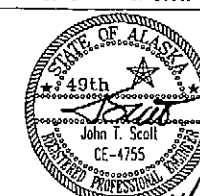
REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			67833	2005	31	96



AS-BUILT
LAM 11-14-06

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: J. Scott



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

South Mitkof Ferry Terminal

Bridge Pontoon End Bearing Support Details

CHECKED BY: Staff

DRAWN BY: B. Nelson, T. Mores

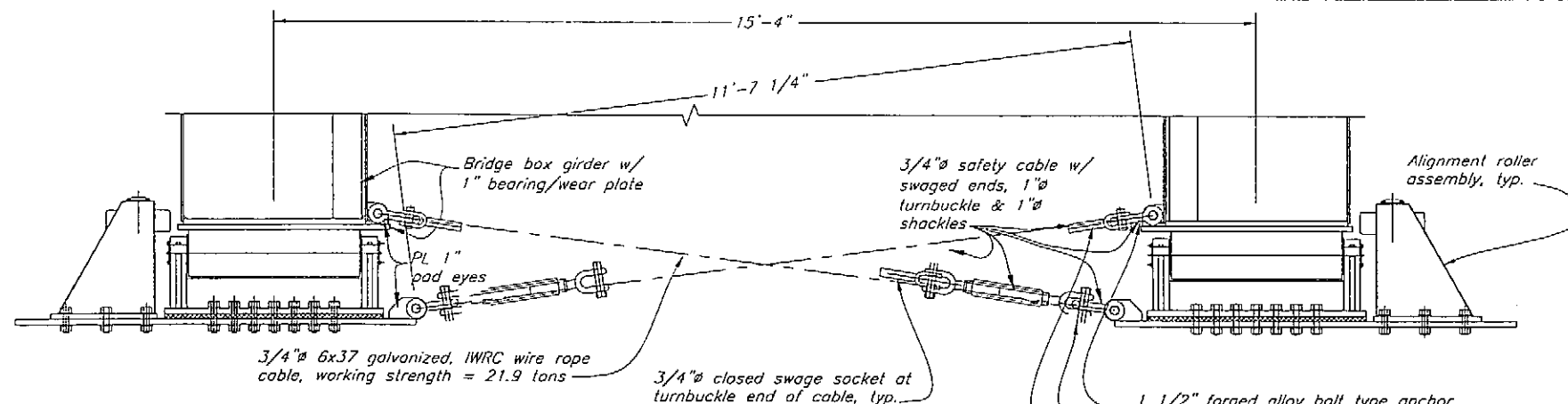
PATH: a:\p\p\67833\4\Plan\Set\032 Bridge Pn End Bearing Support.dwg

PLOT: PSPACE 1=1

FR: 01/02/05 10:04AM

NO.		REVISIONS		PROJECT DESIGNATION		YEAR	SHEET NO.	TOTAL SHEETS
DATE		DESCRIPTION						
				67833		2005	32	96

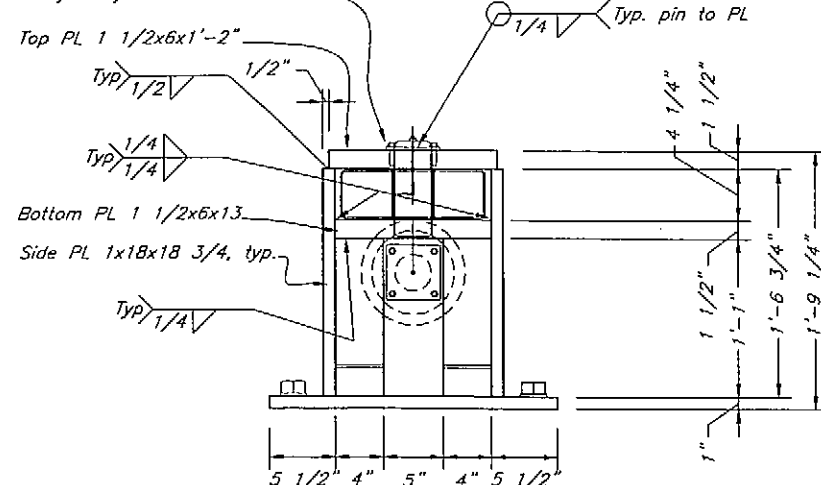
Note: Install 1/2" thick 50 duro elastomeric pad under all members touching pontoon structure.



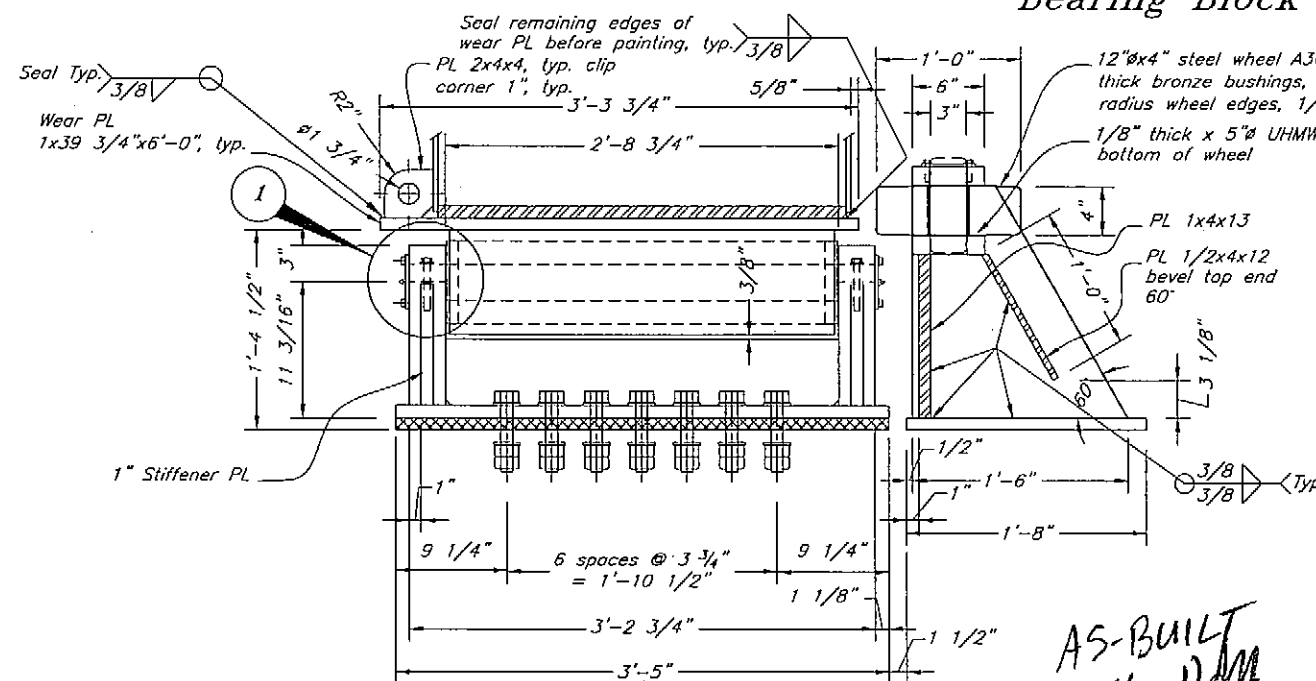
NOTE: Make up wire assembly w/ turnbuckle at 4" (1/3 takeup) so the overall length between the end shackle pins is 11'-7 1/2". Once rope is installed, adjust turnbuckles to allow 2" lateral movement of the bridge.

**Front Elevation
Alignment Cable Detail**

PL 1/4x4 1/2x4 1/2 w/ 3 1/16" hole in center, fasten w/ 1/4" stainless cap screws @ 3 1/2" O.C. in 5/16x1/2 slotted holes

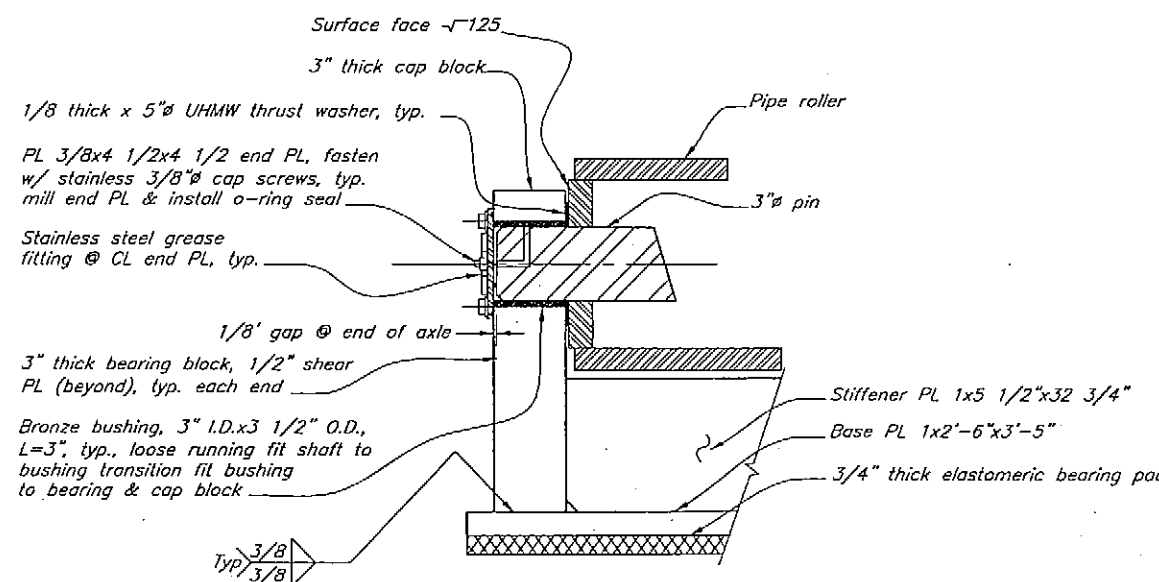


**Side Elevation
Alignment Roller Assembly**

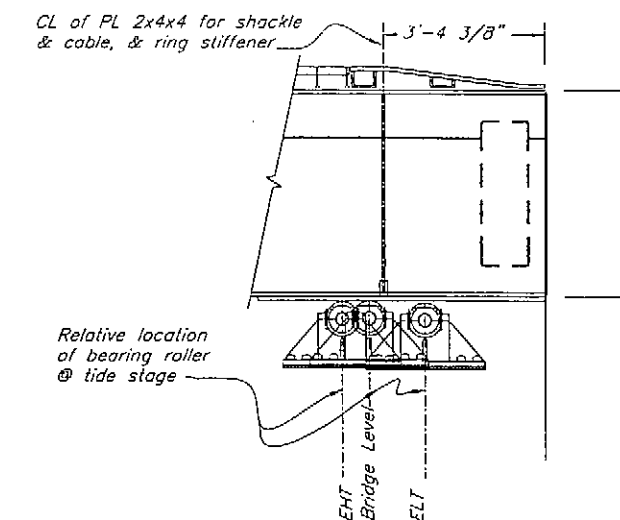


Bearing Detail

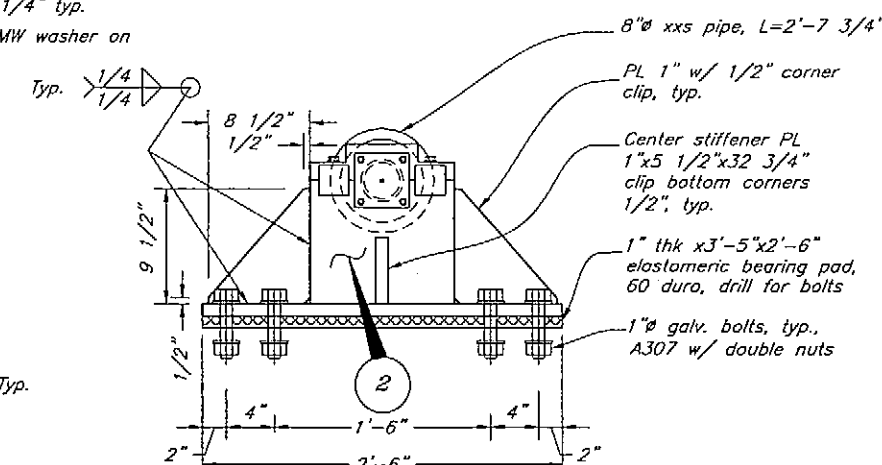
AS-BUILT
11-14-06 RDM



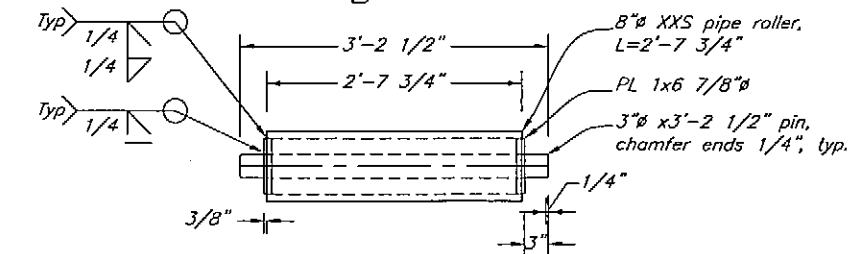
**Detail 1
(Section thru roller centerline)**



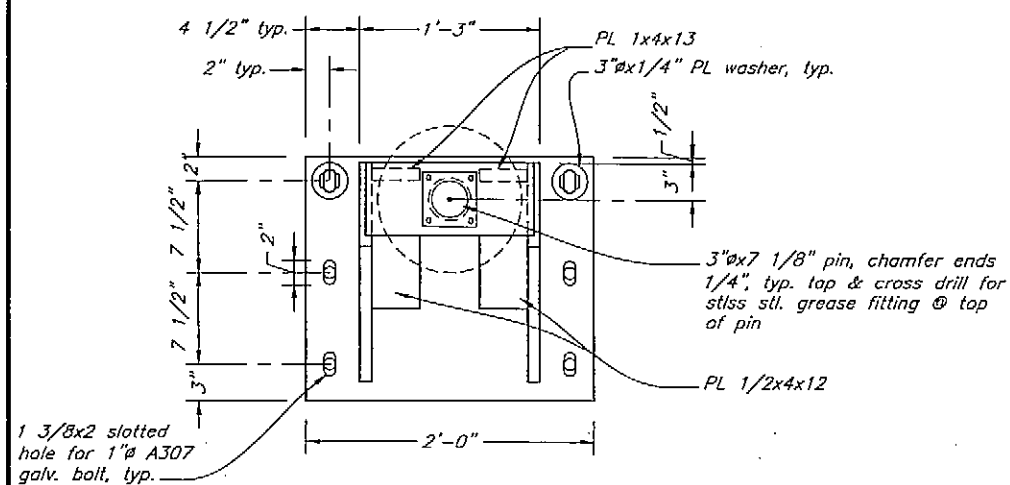
**Side Elevation
Barge End**



**Side Elevation
Bearing Roller**



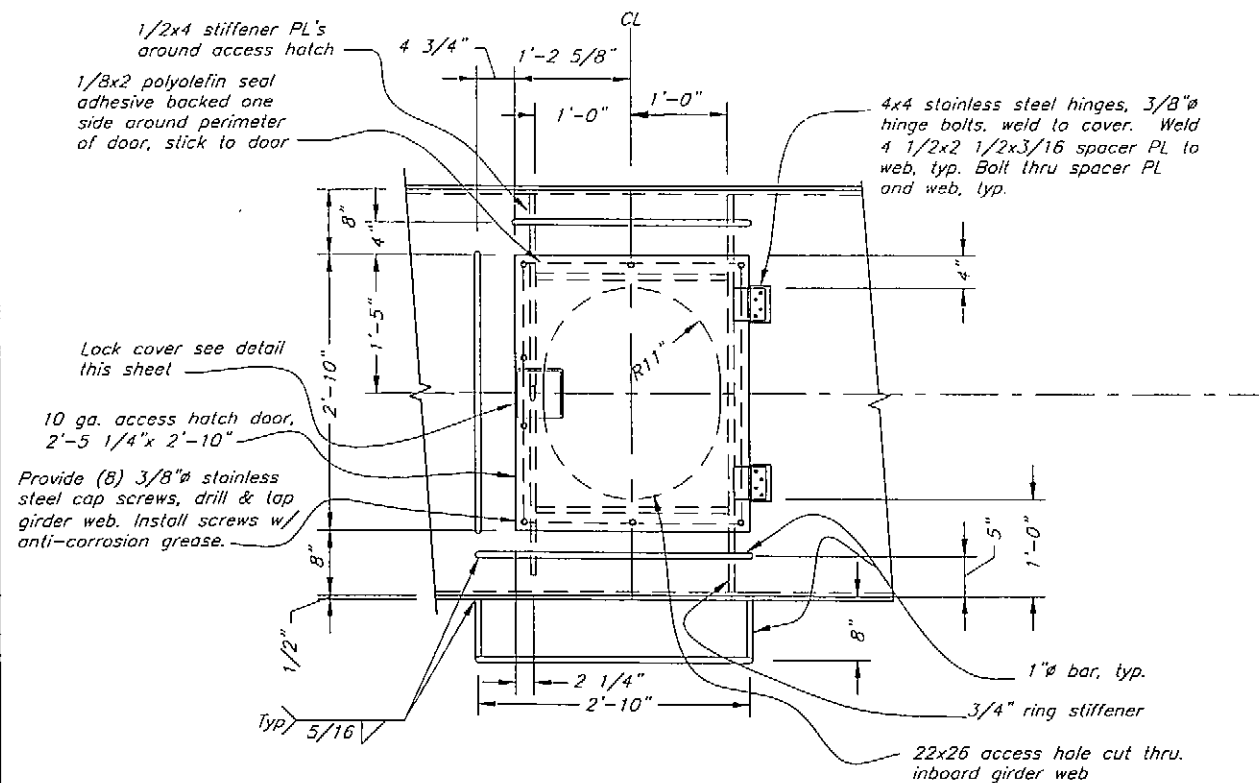
Roller Detail



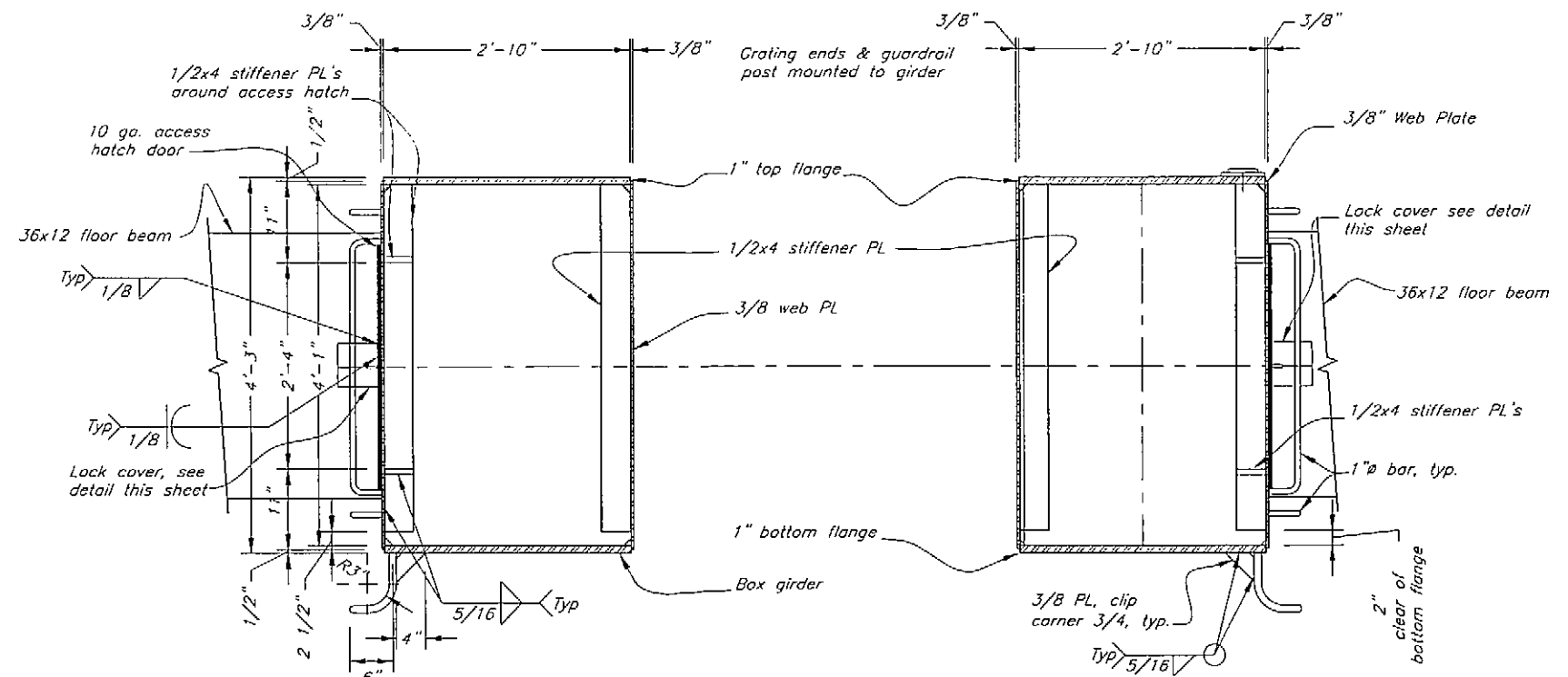
**Top View
Alignment Roller Assembly**

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: B. Savikko		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION			
CHECKED BY: J. Scott		South Mitkof Ferry Terminal			
DRAWN BY: J. Scott, T. Mores		Bridge Pontoon End Bearing Details			
PATH: Q:\Pkg\67833\W\Plans\033 Bridge Pl End Bearing.dwg		PROJECT DESIGNATION: 67833			
PLOT: PSPACE 1=1		YEAR: 2005			
REVISIONS		SHEET NO. 33			
NO. DATE DESCRIPTION		TOTAL SHEETS 96			
		67833			



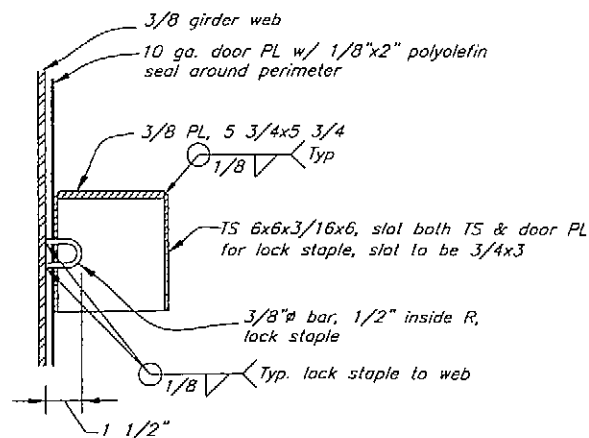
Access Hatch



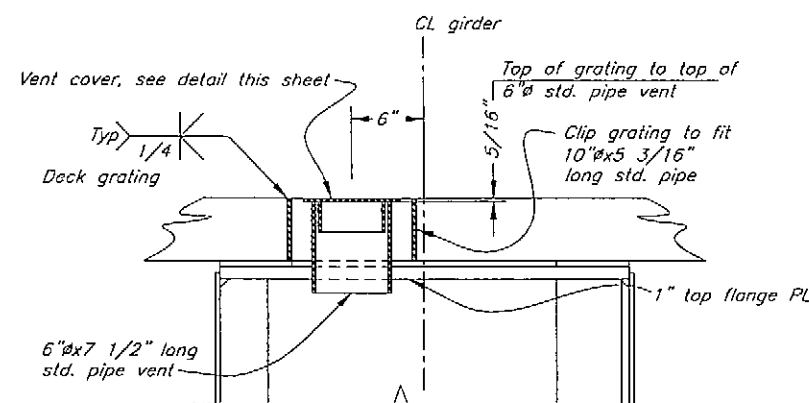
**Section A-A
East Girder**

**Section B-B
East Girder**

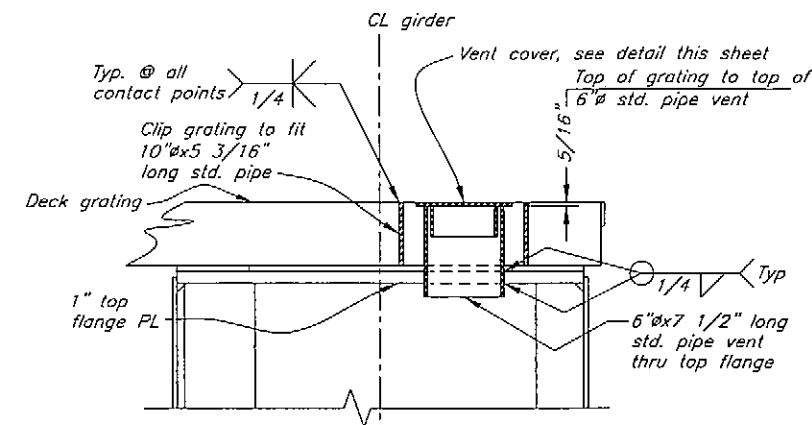
AS-BUILT
11-14-06 *YLM*



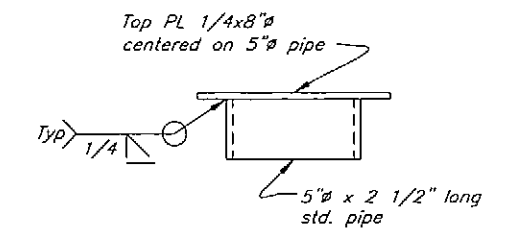
**Detail
Lock Cover Section**



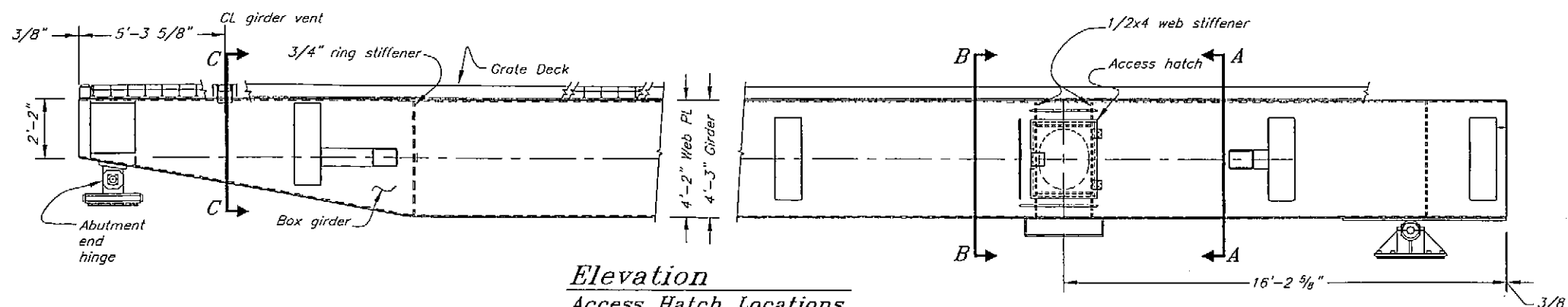
**Section C-C
East girder**



**Section C-C
West girder**

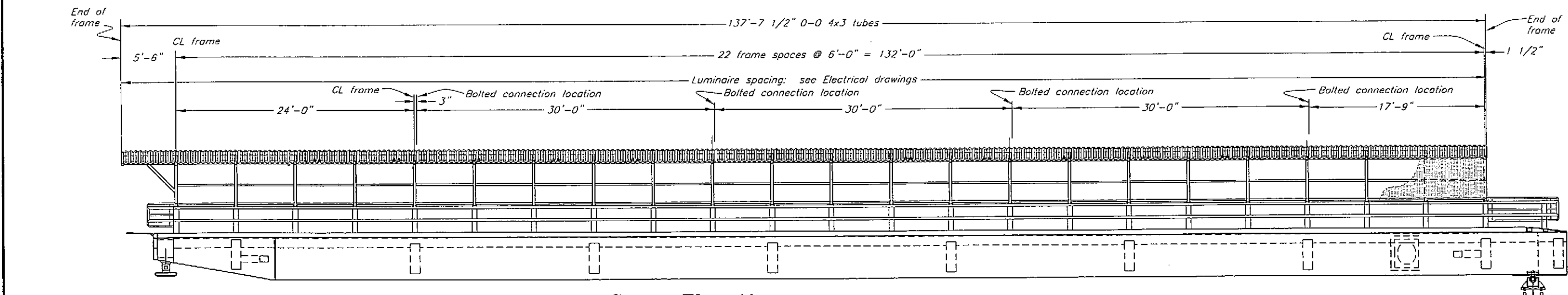


Vent Cover Detail

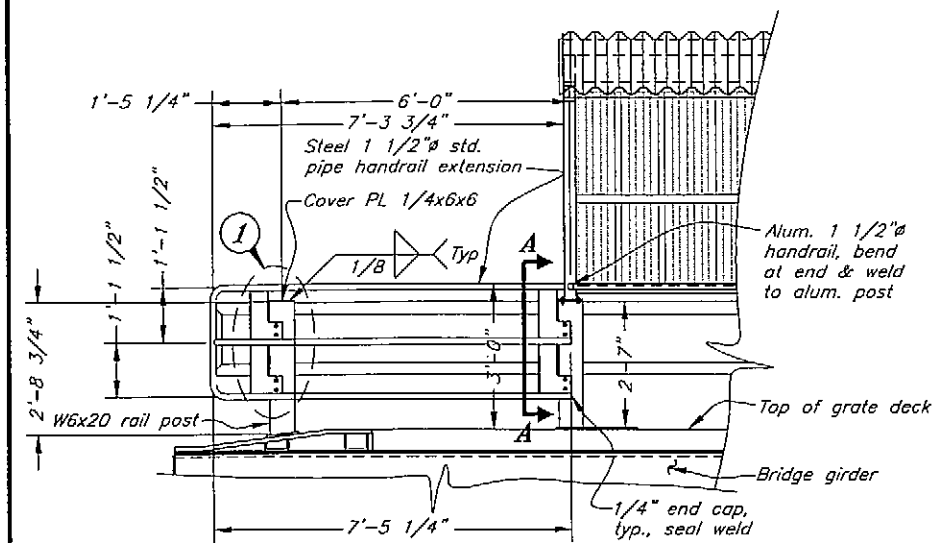


**Elevation
Access Hatch Locations
East Girder
West Girder Opposite Hand**

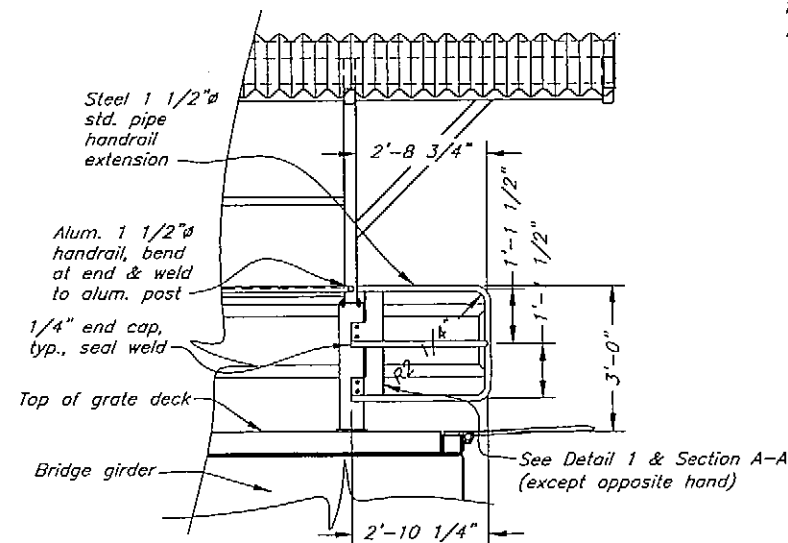
DESIGNED BY: B. Savikka		DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS				
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION				
		South Mitkof Ferry Terminal				
CHECKED BY: J. Scott		PROJECT DESIGNATION: 67833				
DRAWN BY: Staff		YEAR: 2005				
PATH: Q:\Psp\67833\MF\Plans\035 Bridge Hatch & Vent.dwg		SHEET NO.: 35				
PLOT: PSPACE 1=1		TOTAL SHEETS: 96				
DATE: 4/25/05		Fri, 01/Apr/05 10:25AM				
NO.	DATE	REVISIONS DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			67833	2005	35	96



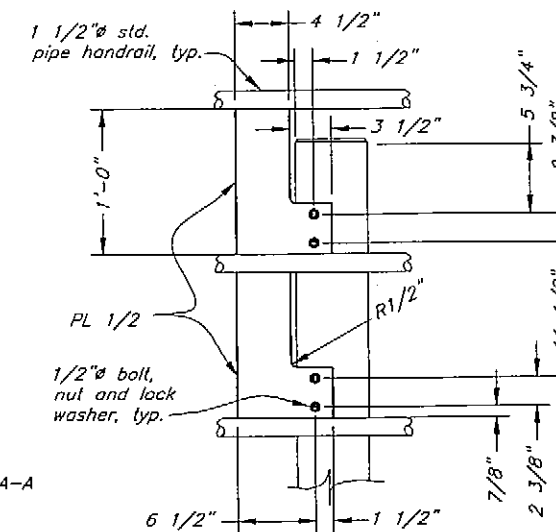
Cover Elevation
(looking @ west side)



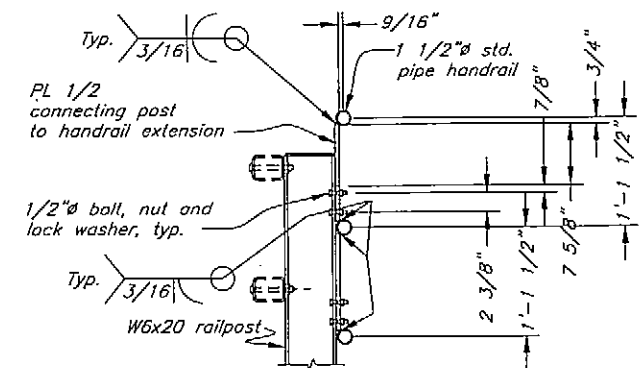
Pedestrian Handrail Extension
Traffic Side Seaward End



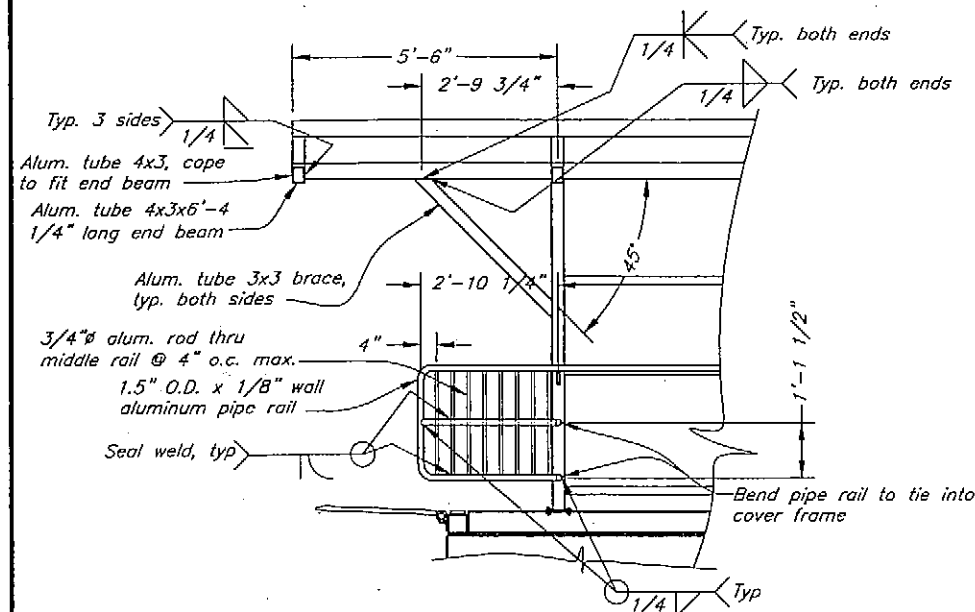
Pedestrian Handrail Extension
Traffic Side Shoreward End



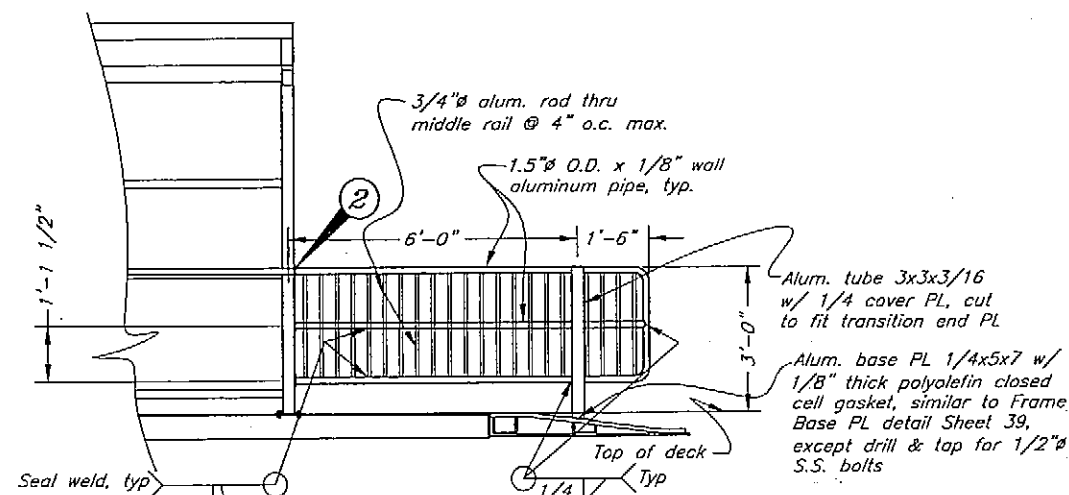
Detail 1



Section A-A
Pedestrian Handrail Extension
(Traffic Side)

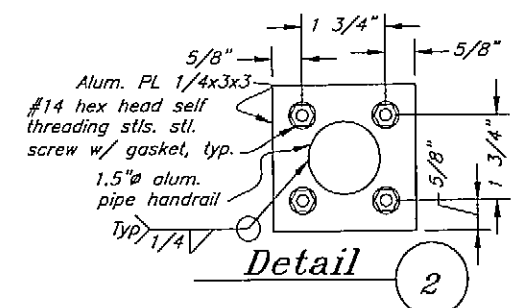


Pedestrian Handrail Extension
East Side Shoreward End



Pedestrian Handrail Extension
East Side Seaward End

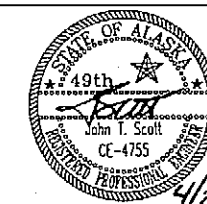
AS-BUILT
11-14-06 KAM



Detail 2

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: B. Savikko/J. Scott



CHECKED BY: J. Beedie
DRAWN BY: Staff

PATH: 0:\Psg\67833\MF\Plans\037 Transfer Bridge Handrail Ext.DWG
PLOT: PSPACE 1=1

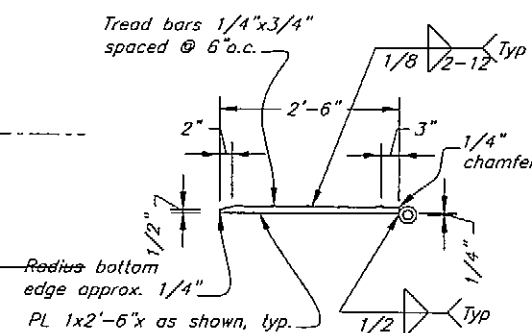
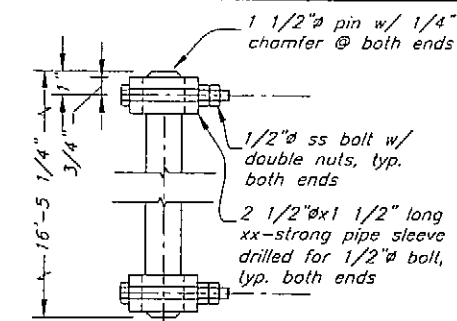
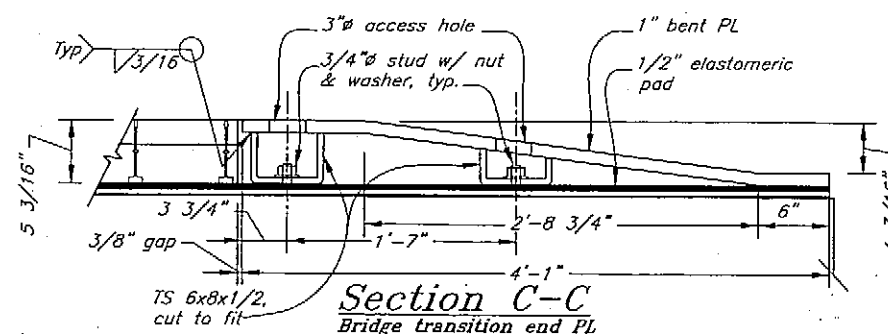
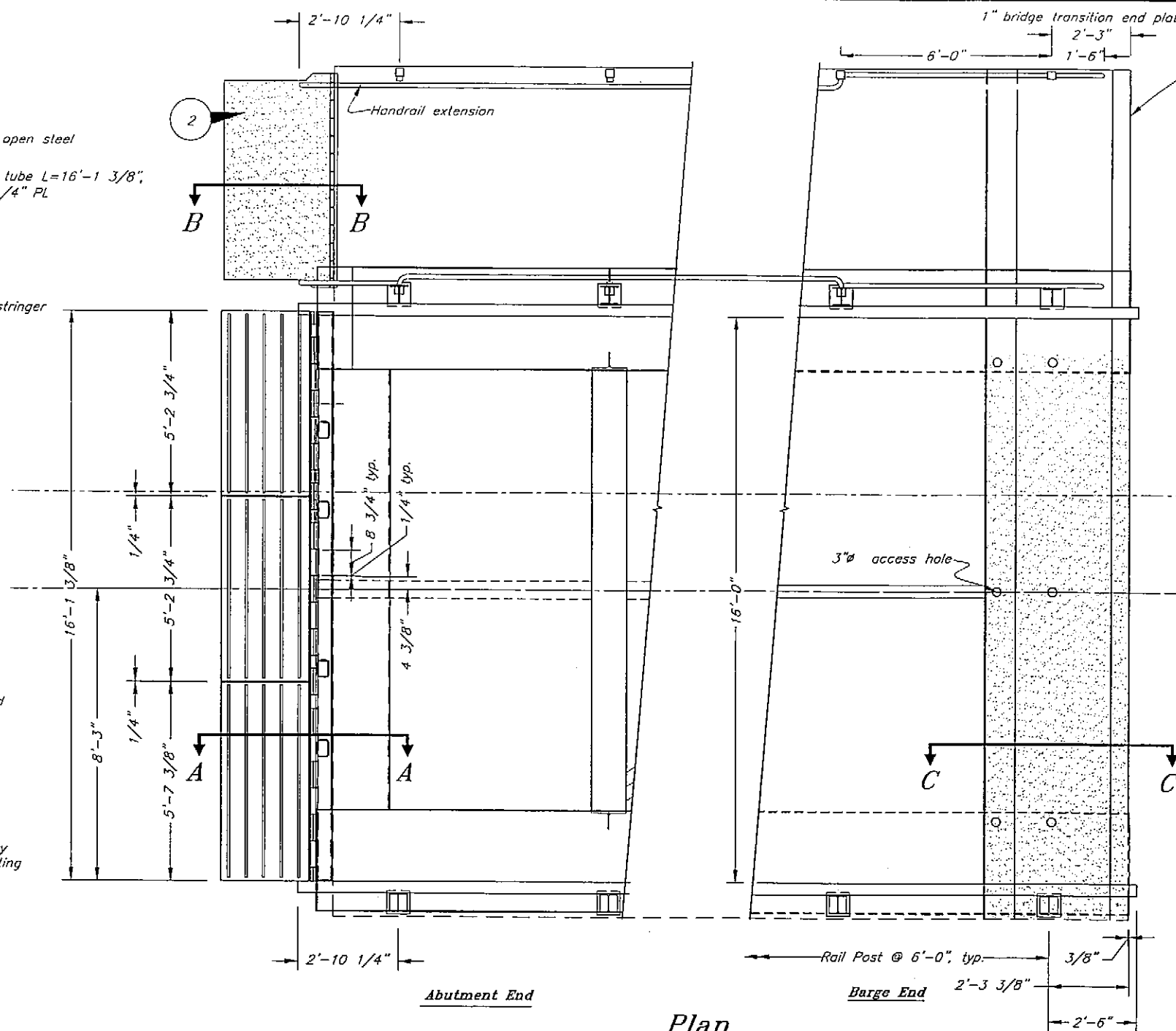
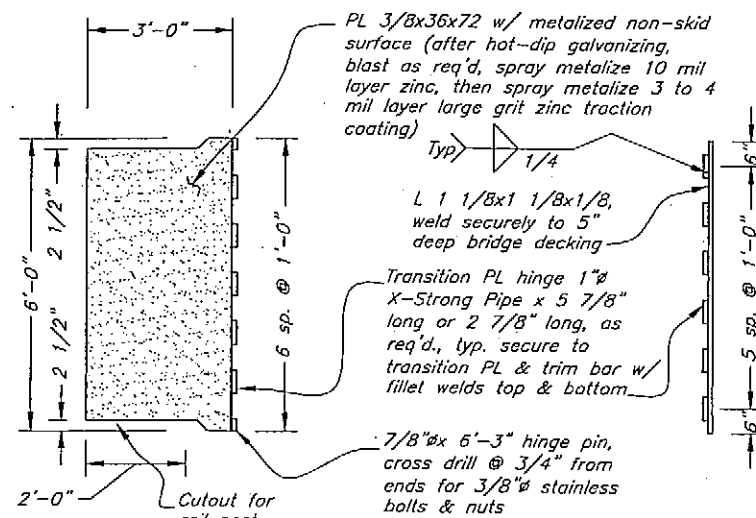
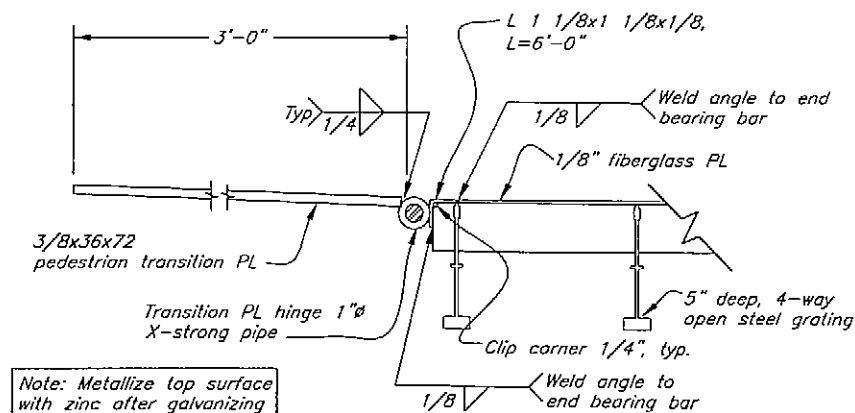
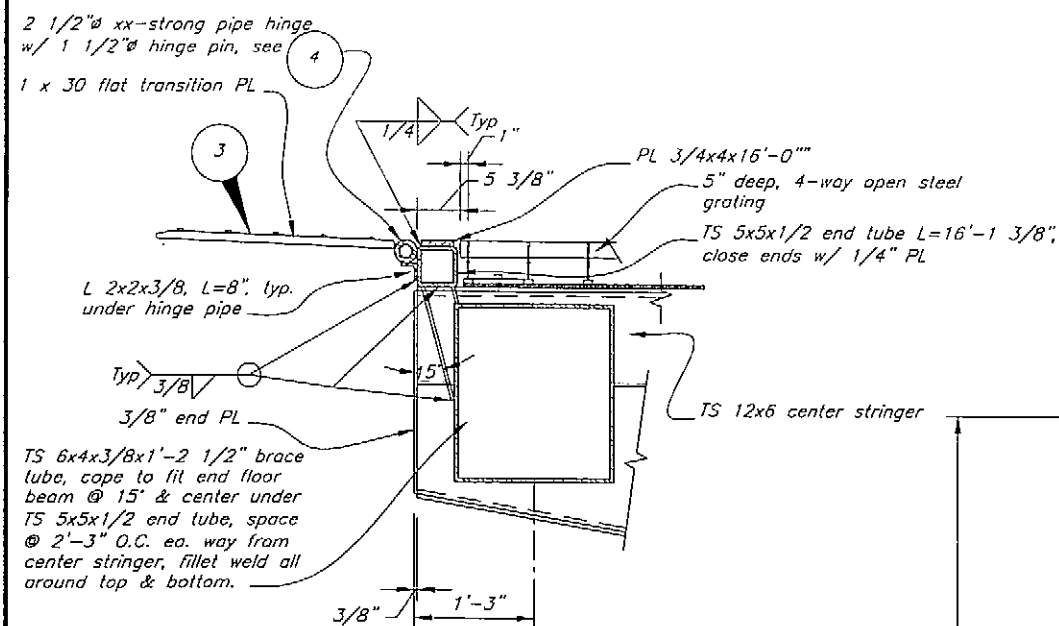
REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			67833	2005	37	96

Transfer Bridge
Handrail Extension Details

South Mitkof Ferry Terminal

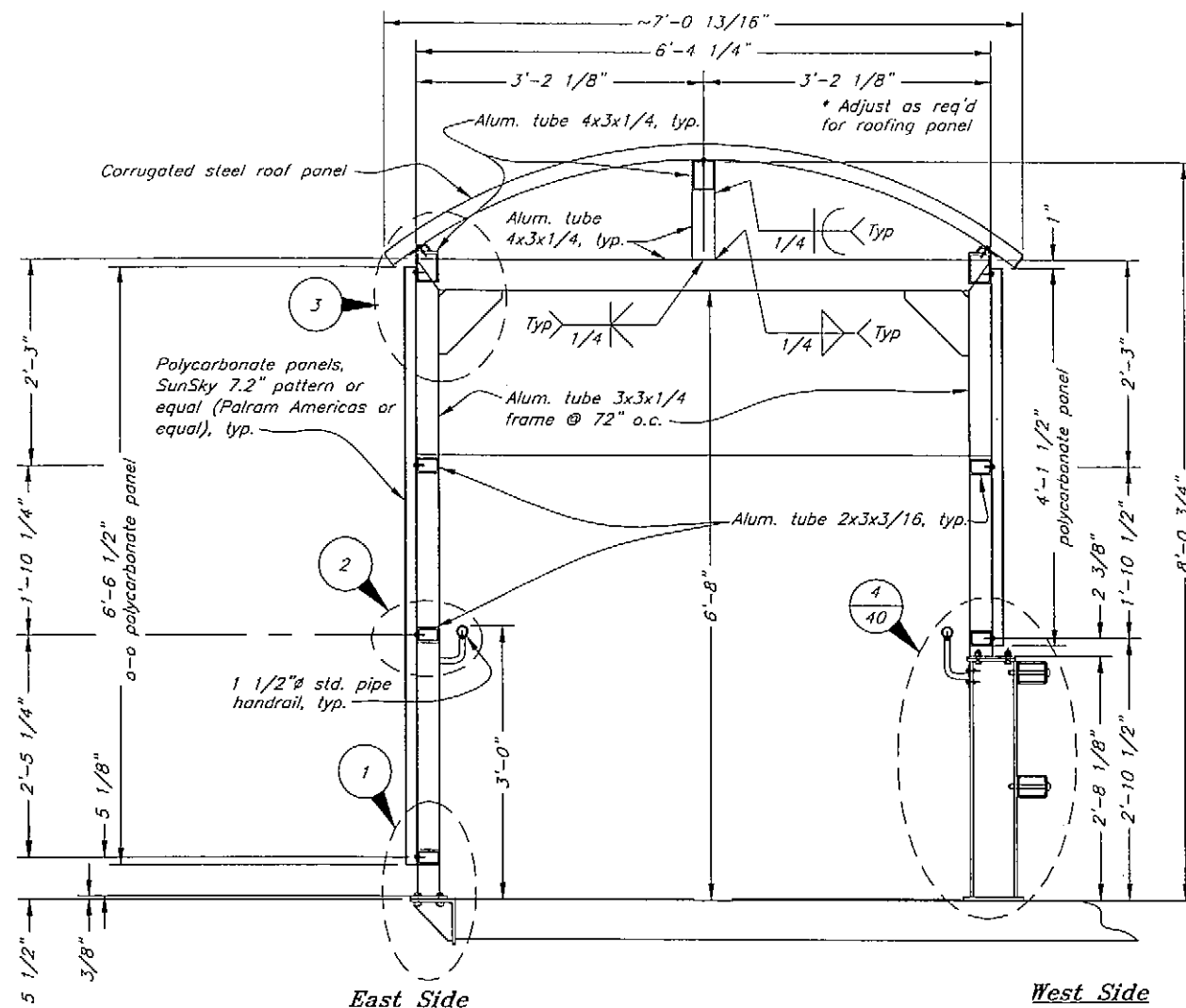
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

Fri, 01/Apr/05 10:40AM

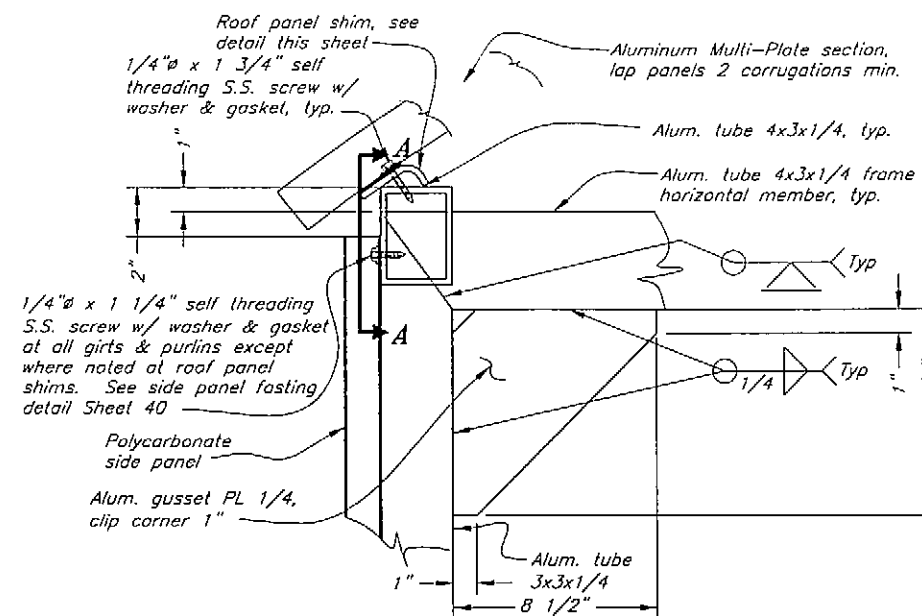


AS-BUILT
11-14-06 KAN

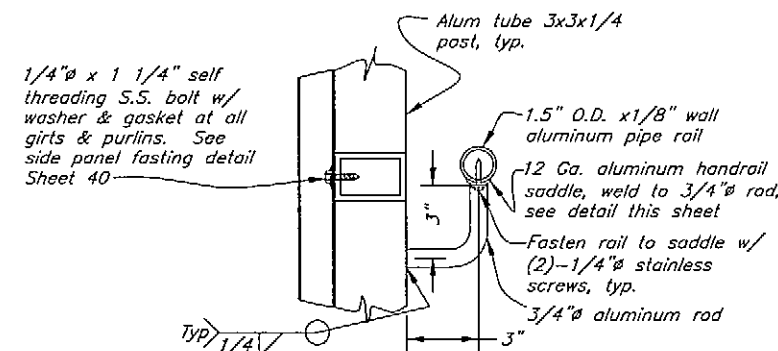
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS	
DESIGNED BY: <i>B. Savikko</i>	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION
	South Mitkof Ferry Terminal
CHECKED BY: <i>J. Scott</i> DRAWN BY: <i>Staff</i>	Bridge Transition Plate Details
PATH: <i>G:\Asp\67833\WF\Plans\1\038 Bridge Transition Plates.dwg</i> PLOT: PSPACE 1=1	
<i>File 01/Apr/05 10:47AM</i>	



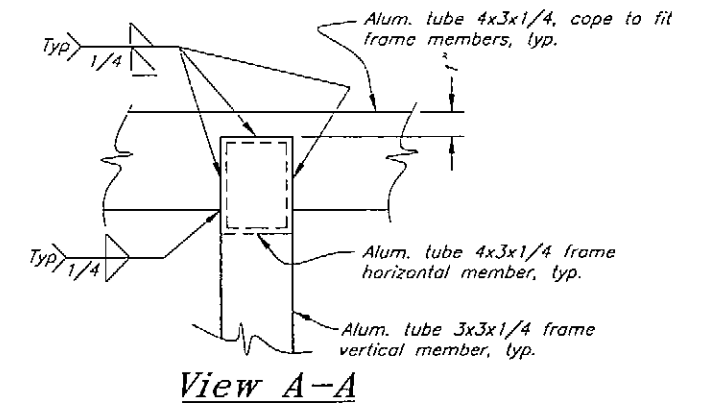
Typical Section
(looking seaward)



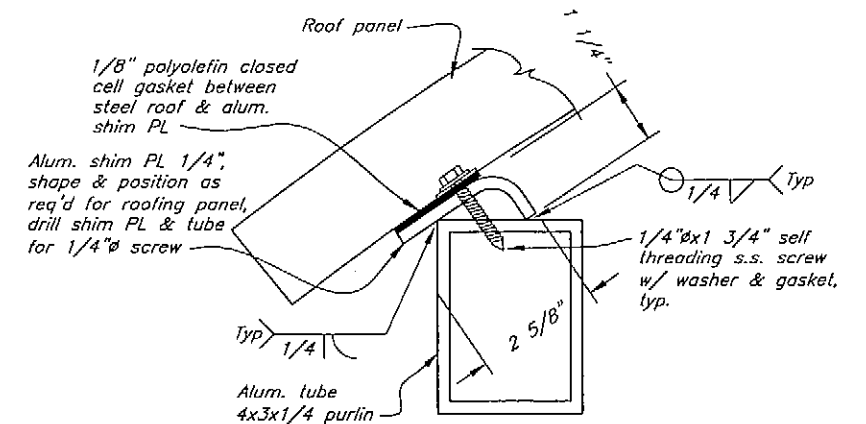
Detail 3



Detail 2

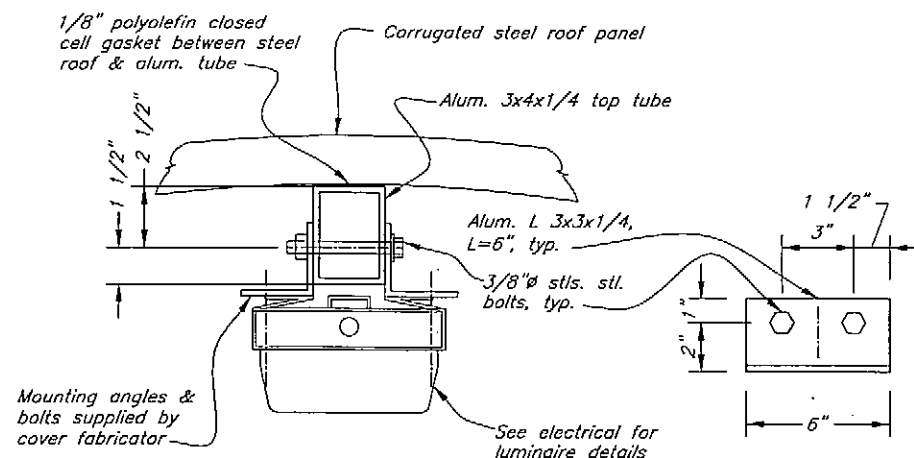


Roof Panel Shim

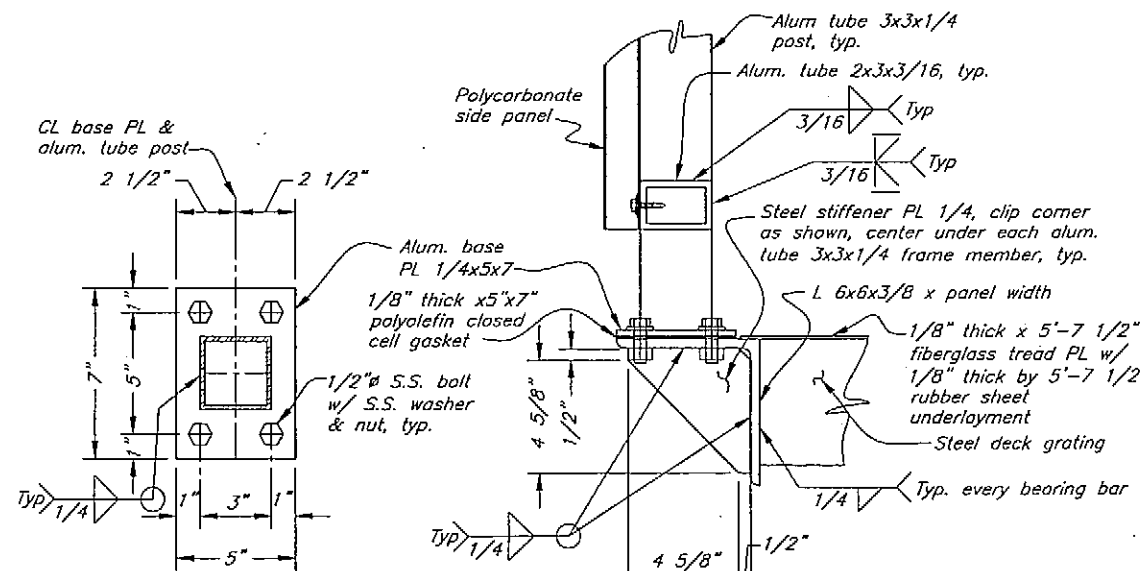


AS-BUILT
KPM 11-14-06

- NOTES:**
1. All aluminum bars, plates, shapes, and spacers shall be 6061-T6.
 2. All screws and bolts for aluminum and alum./steel connections shall be stainless steel Type 304 or 316.
 3. All steel shall be galvanized after fabrication.
 4. Fiberglass tread plate mounting details per manufacturers recommendation. Submit for approval. All fasteners shall be stainless steel.

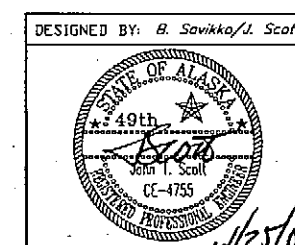


Luminaire Mounting Bracket



Plan Frame Base PL

Detail 1



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

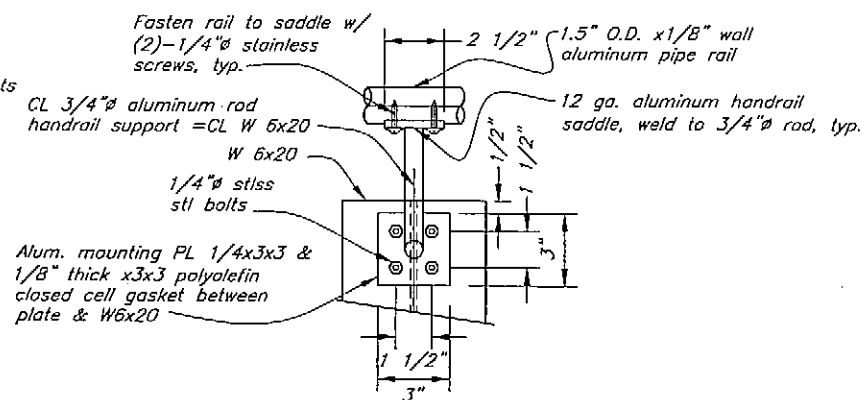
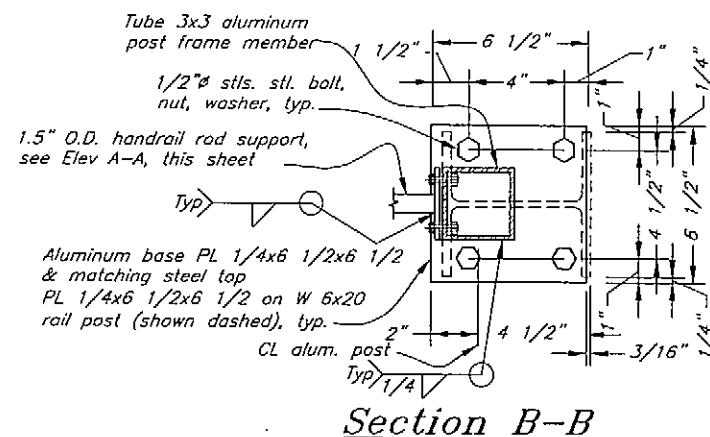
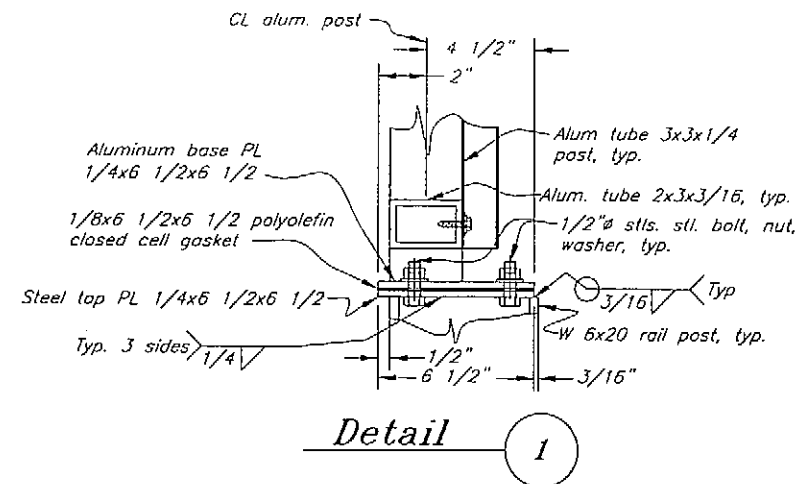
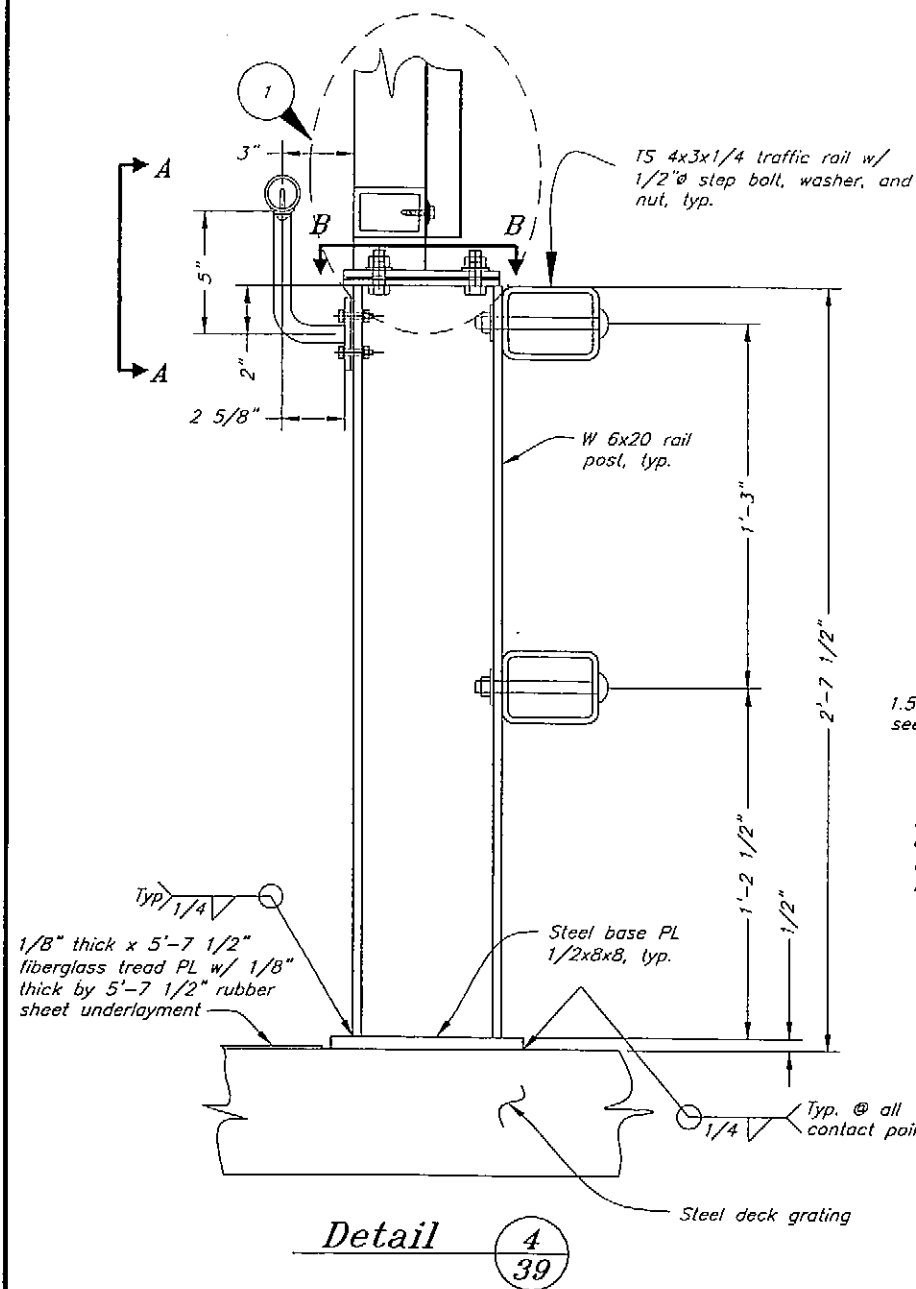
South Mitkof Ferry Terminal

Transfer Bridge Walkway Cover Details 1

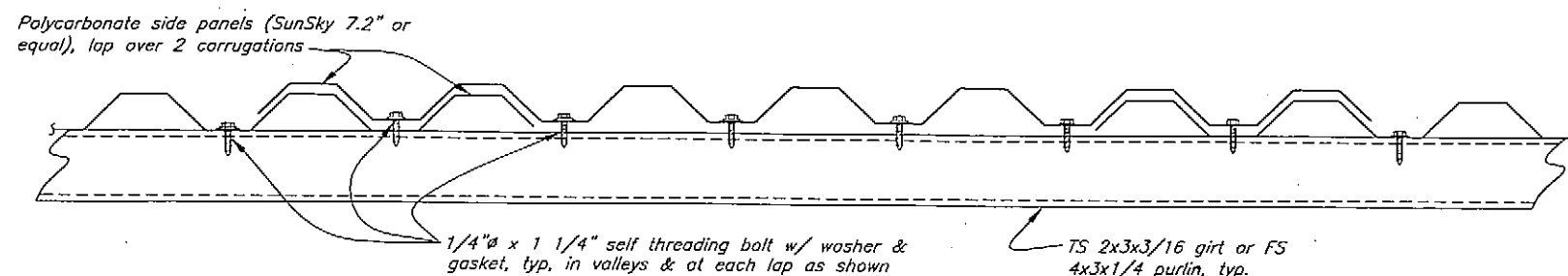
DESIGNED BY: B. Savikka/J. Scott
CHECKED BY: J. Beedle
DRAWN BY: Staff
PATH: O:\Psg\67833\MF\PlanSet\039 Transfer Bridge Cover.DWG
PLOT: PSPACE 1=1 Tab: 1

Tue, 25/Apr/05 10:10AM

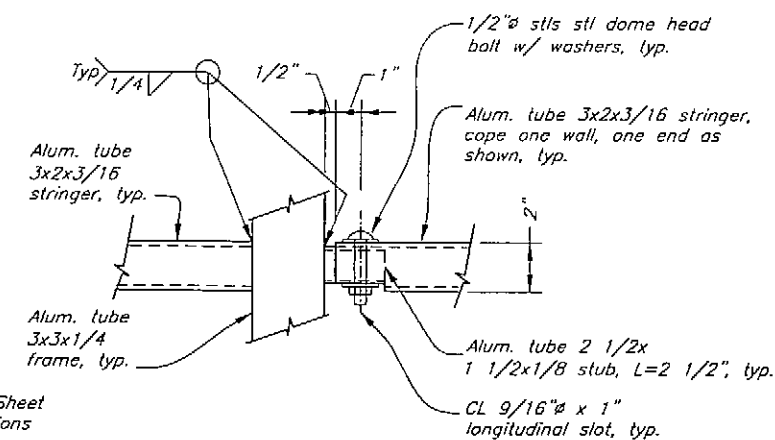
REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			67833	2005	39	96



Elevation A-A



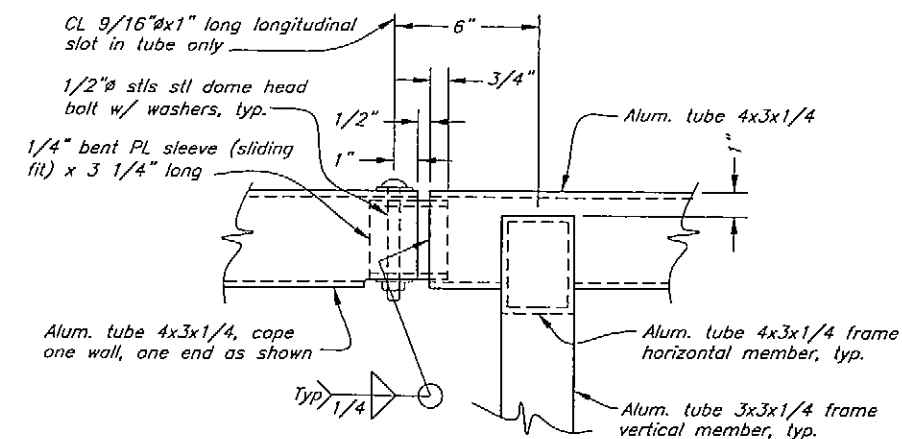
Side Panel Fastening Detail



Note: See Sheet 37 for locations

Bolted Connection
Alum. Tube 3x2

AS-BUILT
11-14-06

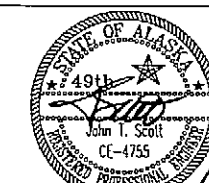


Note: See Sheet 37 for locations

Bolted Connection
Alum. Tube 4x3x1/4

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: B. Savikko/J. Scott



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

South Mitkof Ferry Terminal

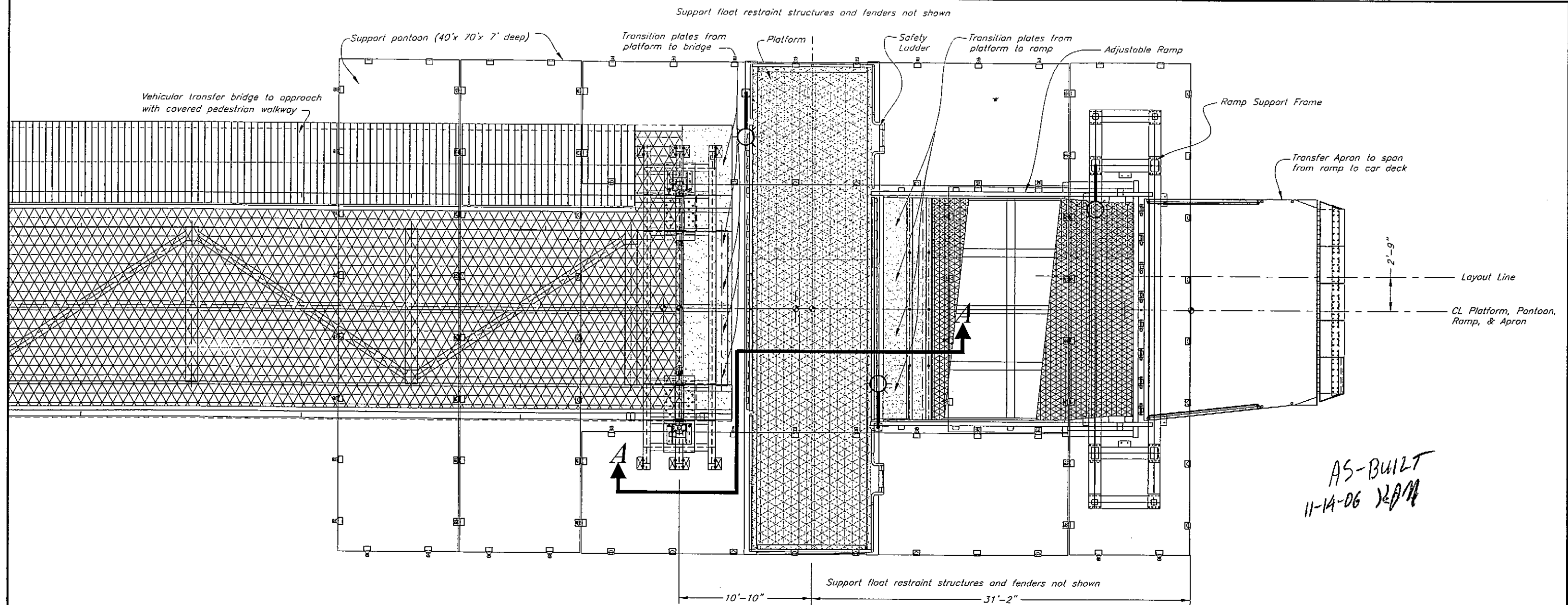
**Transfer Bridge
Walkway Cover Details 2**

CHECKED BY: J. Beedle
DRAWN BY: Staff

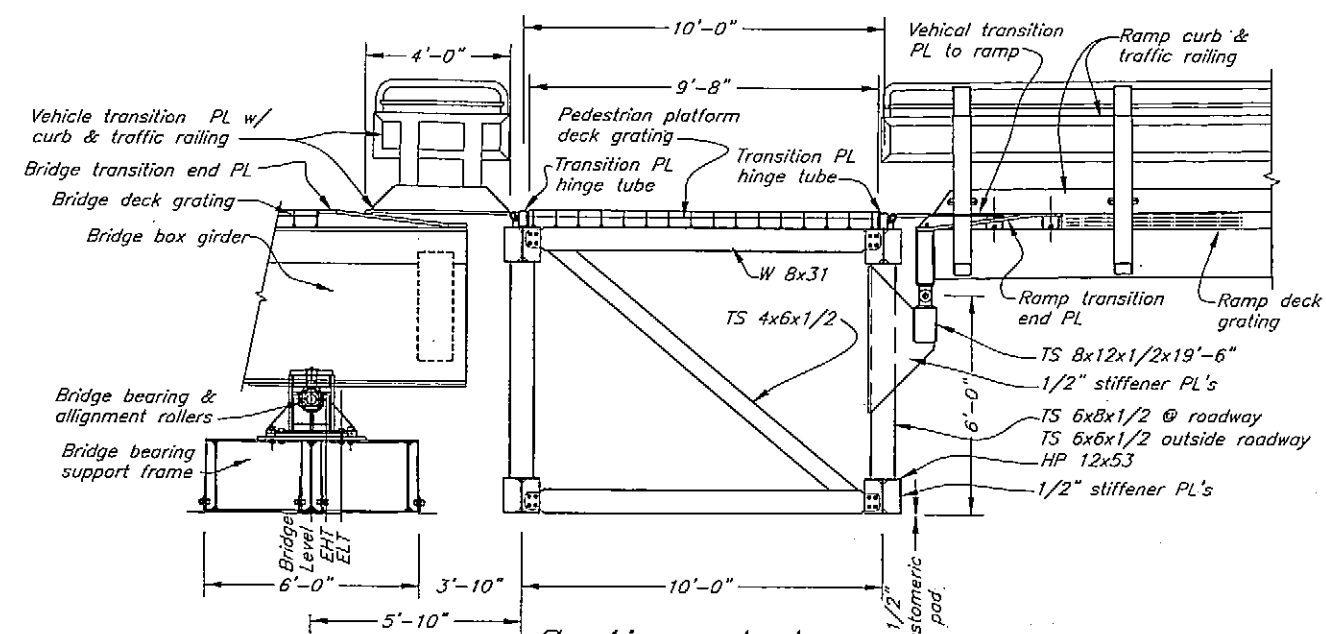
PATH: 0:\Psg\67833\AIF\PlanSet\040 Transfer Bridge Cover Details.DWG
PLOT: PSPACE 1=1

Fri, 01/Apr/05 11:21AM

REVISIONS			PROJECT DESIGNATION			
NO.	DATE	DESCRIPTION	67833	YEAR	SHEET NO.	TOTAL SHEETS
				2005	40	96



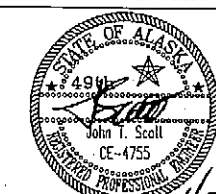
Plan
Pontoon, Bridge, Platform, Ramp & Apron



Section A-A
@ Transfer Bridge

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: B. Nelson



CHECKED BY: J. Scott

DRAWN BY: B. Nelson

PATH: Q:\Psp\67833\MF\Plan\041 Pontoon & Ped Platform Layout.dwg

PLOT: PSPACE 1=1

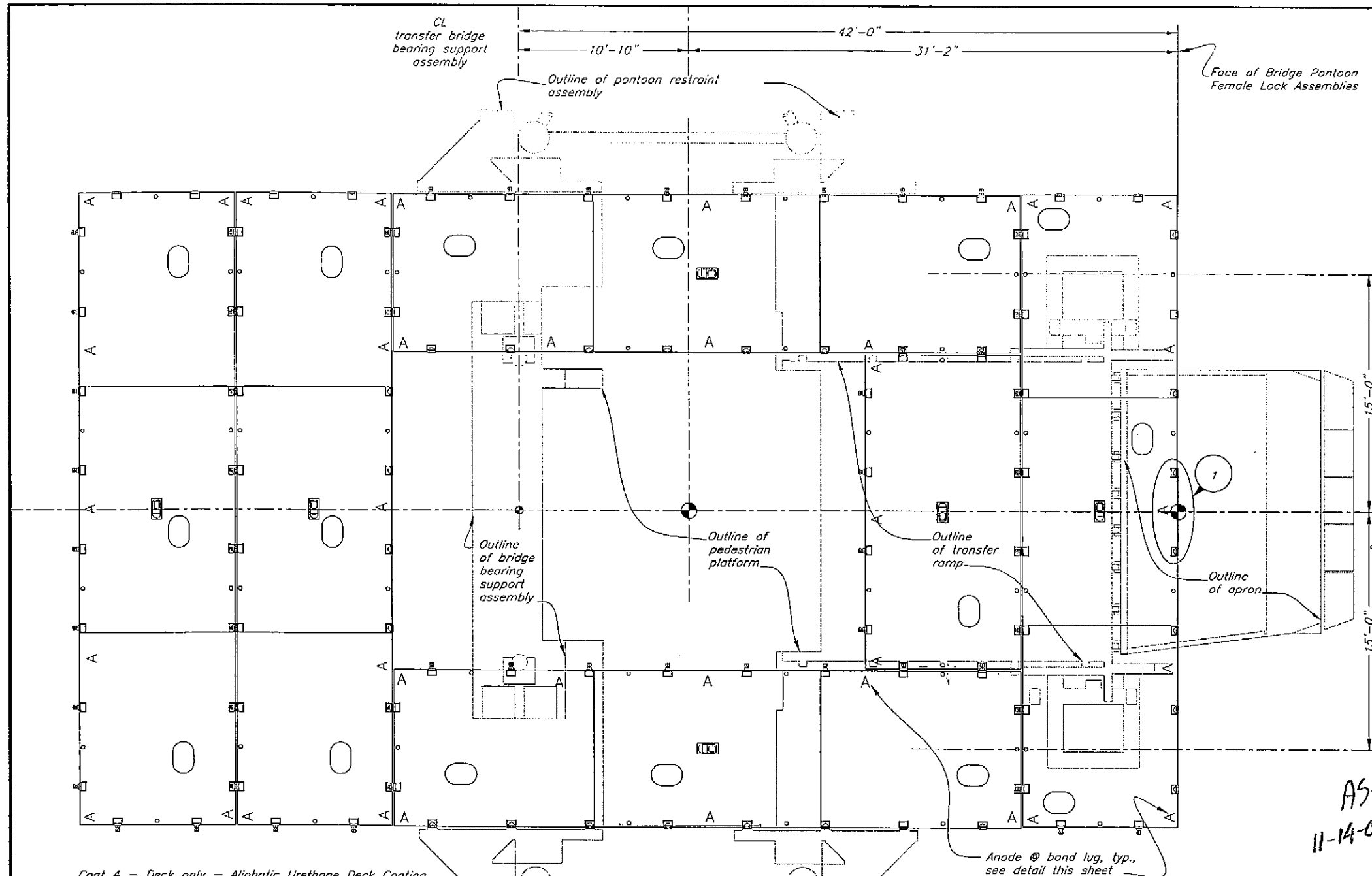
Tue, 05/Apr/05 12:15PM

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

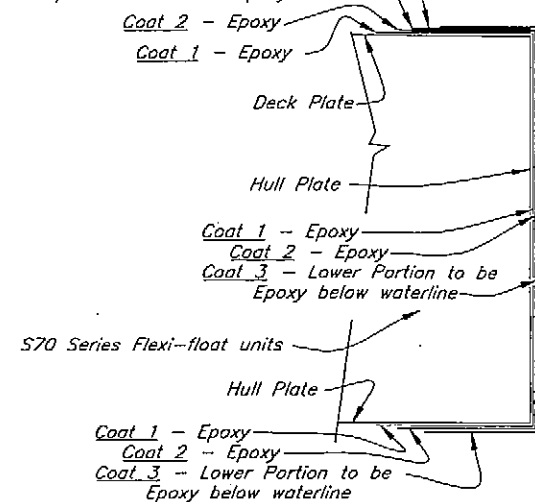
South Mitkof Ferry Terminal

Pontoon & Platform
Layout

REVISIONS			PROJECT DESIGNATION		YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION	67833		2005	41	96



Coat 4 - Deck only - Aliphatic Urethane Deck Coating
 Coat 3 - Upper portion to be Aliphatic Urethane Deck Coating from 6" below waterline and above Non-Skid Additive to deck portion of Coat 2 Epoxy
 Coat 2 - Epoxy
 Coat 1 - Epoxy



Support Pontoon Coating Schematic

Note: Apply epoxy compatible mastic sealer to gaps in Flexi-float lock assemblies and lift shackle assembly weldments, typ.

Layout
 Bridge Support Pontoon

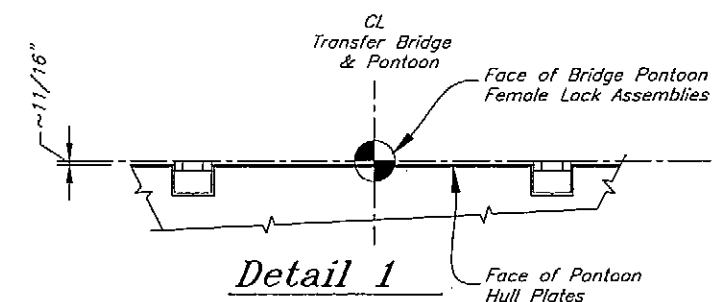
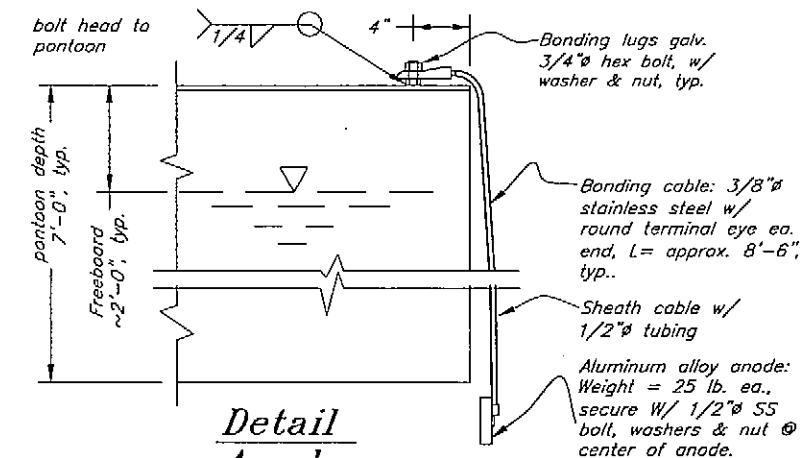
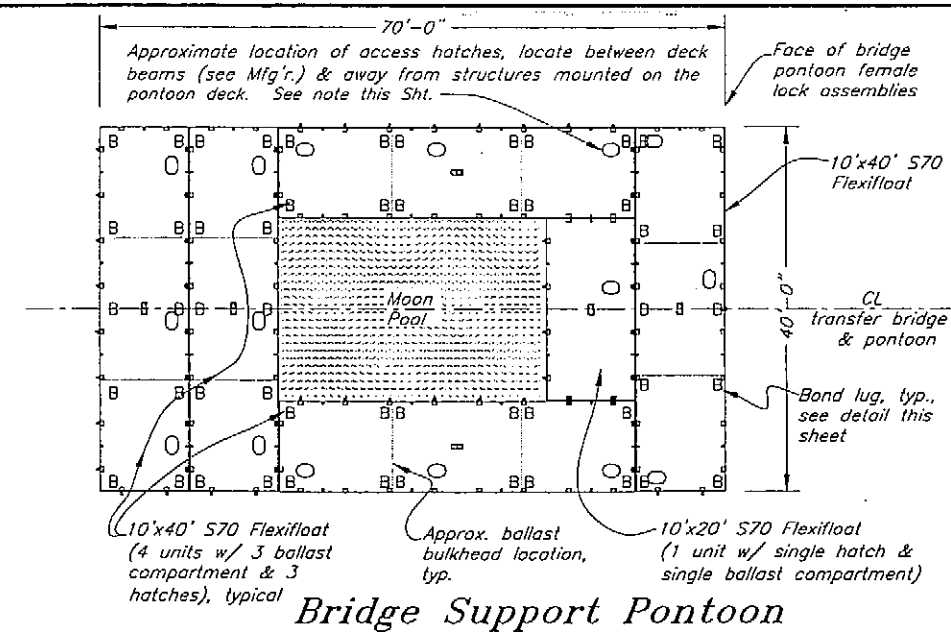
NOTES:

ACCESS HATCHES: New Access Hatches shall be Baier oval, flush, plain, type "C" commercial, aluminum w/ galv. steel rim or equal and installed per manufacturer's recommendations.

BALLAST: Pontoon System shall be ballasted with potable water to ~2'-0" freeboard all around with all structures installed. Note that ballast maybe required during erection/installation of components on the pontoon system.

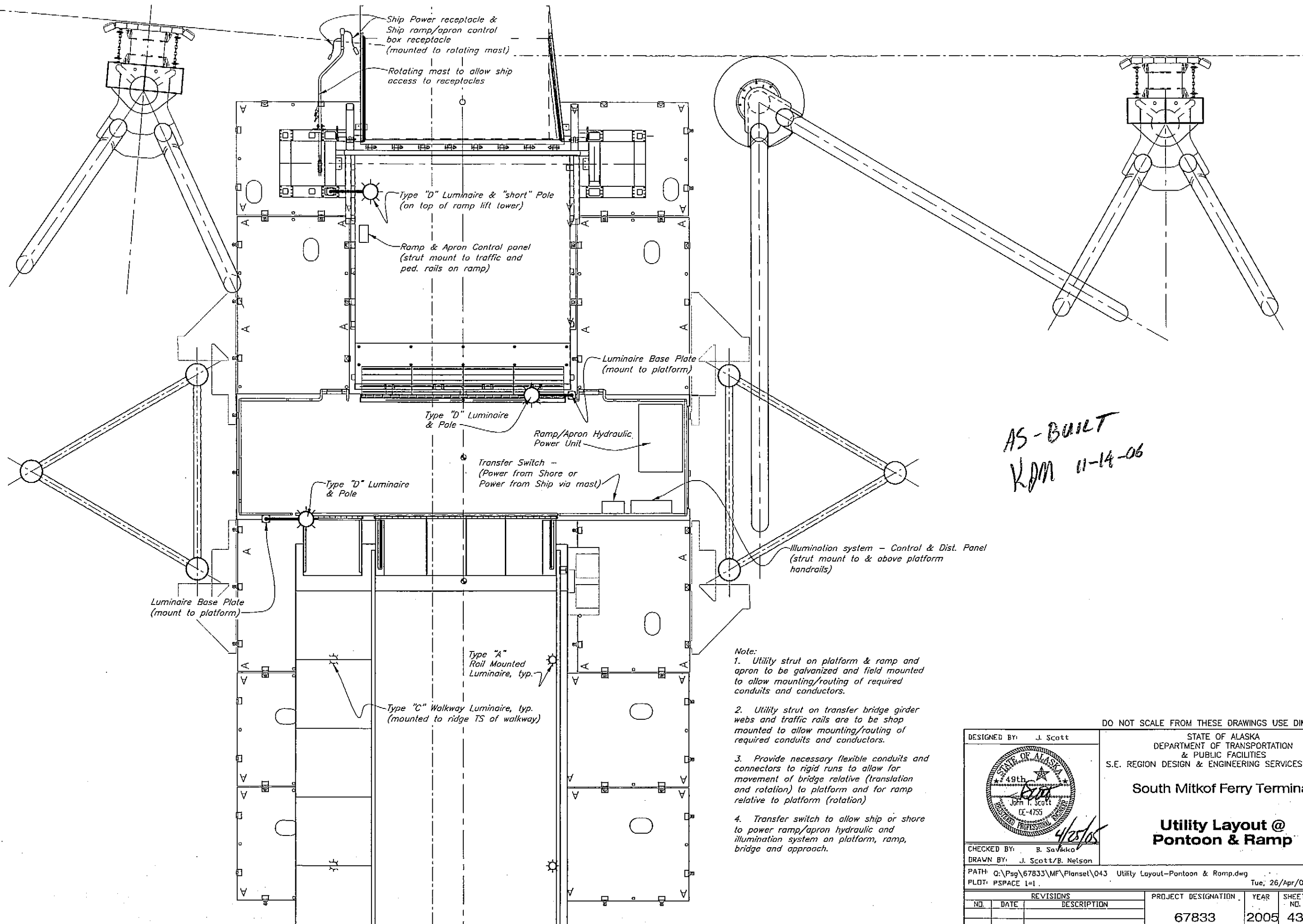
COATING SYSTEM: Coating system for exterior of pontoon units shall be System 1 per Technical Specifications. First two coats shall be epoxy. Second coat shall have non-skid additive on the deck surface. Third coat shall be epoxy from waterline and below and an aliphatic polyurethane deck coating from 6 inches below waterline and above. Final fourth coat shall be an aliphatic polyurethane deck coating and shall be applied to the deck surfaces only. Pontoon attachments and assemblies shall be galvanized after fabrication. Interior of pontoons shall be uncoated.

PONTOON UNITS: Pontoon Units are Flexifloat S-70 Series from: Robshaw Engineering, Inc. P.O. Box 19246 Houston, TX 77224 Ph: (713) 468-1706



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: J. Scott		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION			
		South Mitkof Ferry Terminal			
CHECKED BY: K. Mills		Bridge Support Pontoon Layout			
DRAWN BY: C. Fuman, T. Mores		PATH: G:\Fig\67833\MF\Plnsset\042 Pontoon Layout.dwg PLOT: PSPACE 1=1 Rev: 01/Apr/05 02:14PM Tab: Layout1			
REVISIONS NO. DATE DESCRIPTION		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
		67833	2005	42	96

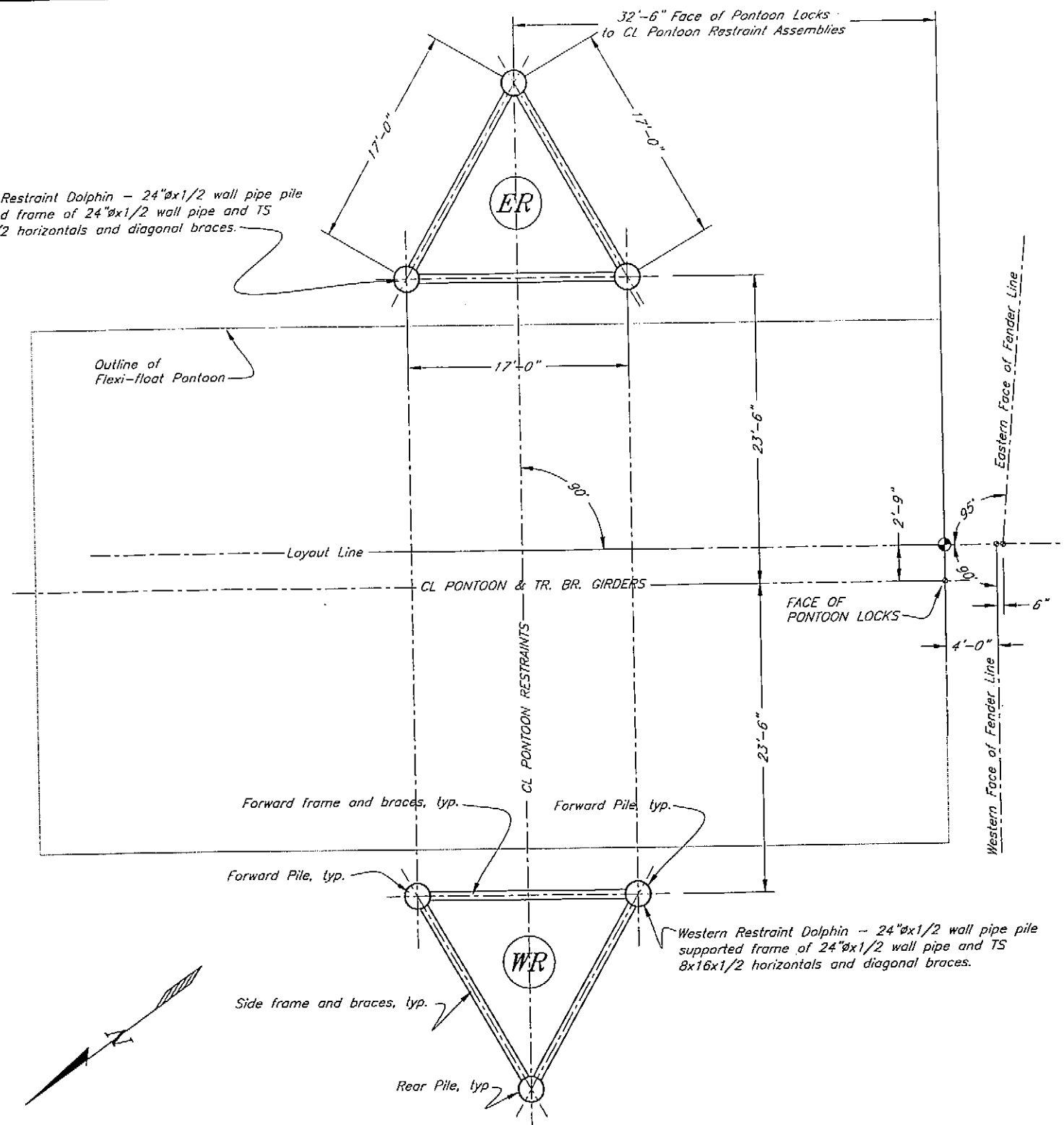


AS-BUILT
KDM 11-14-06

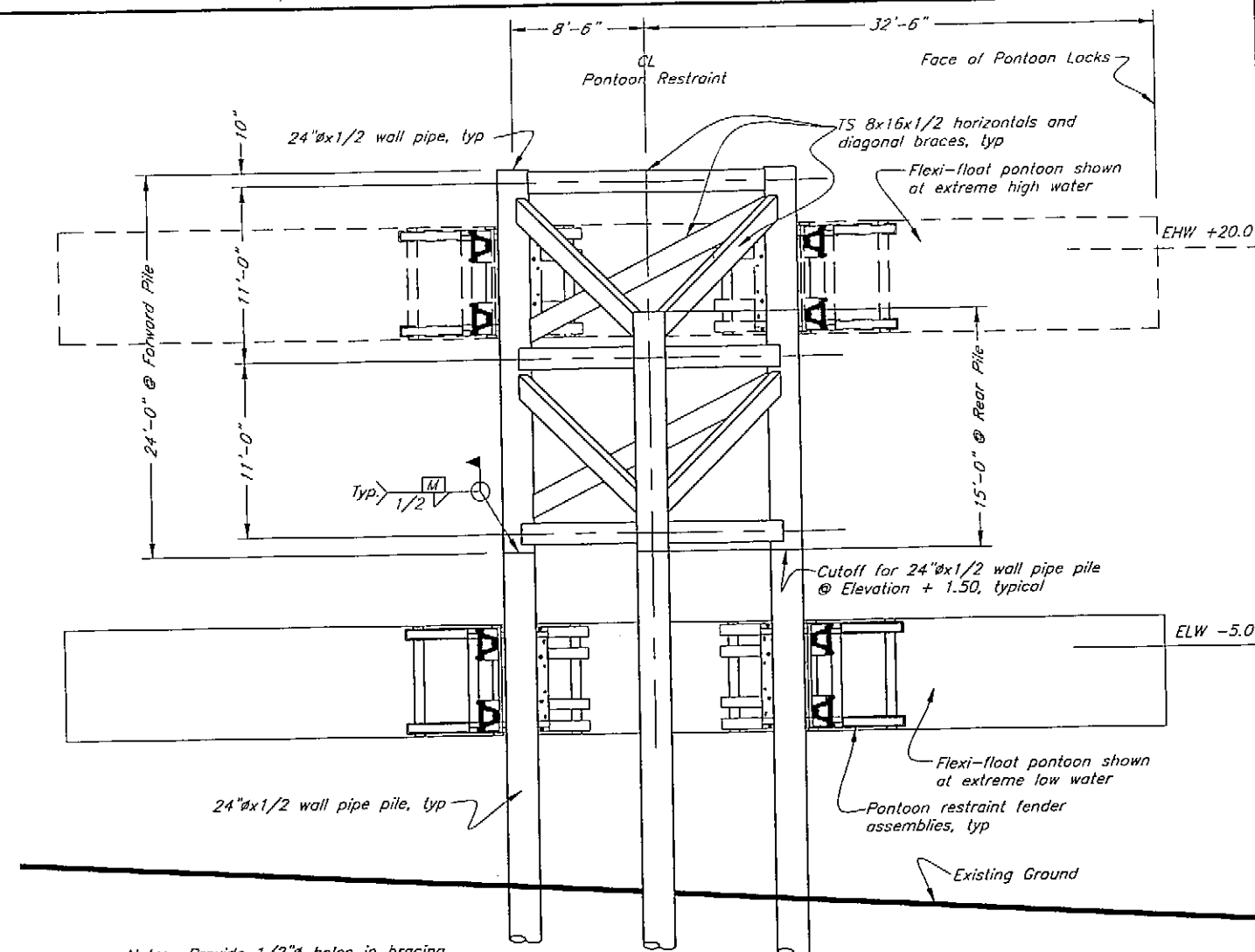
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: J. Scott		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION			
		South Mitkof Ferry Terminal			
		Utility Layout @ Pontoon & Ramp			
CHECKED BY: B. Savikko		Tue, 26/Apr/05 10:13AM			
DRAWN BY: J. Scott/B. Nelson		PROJECT DESIGNATION: 67833			
PATH: Q:\Psg\67833\MF\Plans\043 Utility Layout-Pontoon & Ramp.dwg		YEAR: 2005		SHEET NO.: 43	TOTAL SHEETS: 96
PLOT: PSPACE 1=1					
REVISIONS					
NO.	DATE	DESCRIPTION			

Eastern Restraint Dolphin - 24"x1/2 wall pipe pile supported frame of 24"x1/2 wall pipe and TS 8x16x1/2 horizontals and diagonal braces.



Pontoon Restraint Dolphin Layout



Note: Provide 1/2" holes in bracing for both galvanizing and drainage.

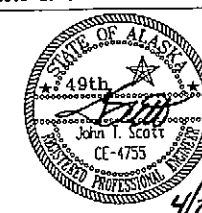
AS-BUILT
11-14-06 RAM

Elevation - Pontoon Restraint Dolphin WR
(Looking East toward Pontoon)

Eastern and Western Restraint Dolphins - 24"x1/2 wall pipe pile supported frame of 24"x1/2 wall pipe and TS 8x16x1/2 horizontals and diagonal braces.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: J. Scott



CHECKED BY: B. Savikko

DRAWN BY: J. Scott

PATH: Q:\Psg\67833\MF\PlanSet\044 Pontoon Restraint Dolphins ER & WR.dwg

PLDT: PSPACE 1=1

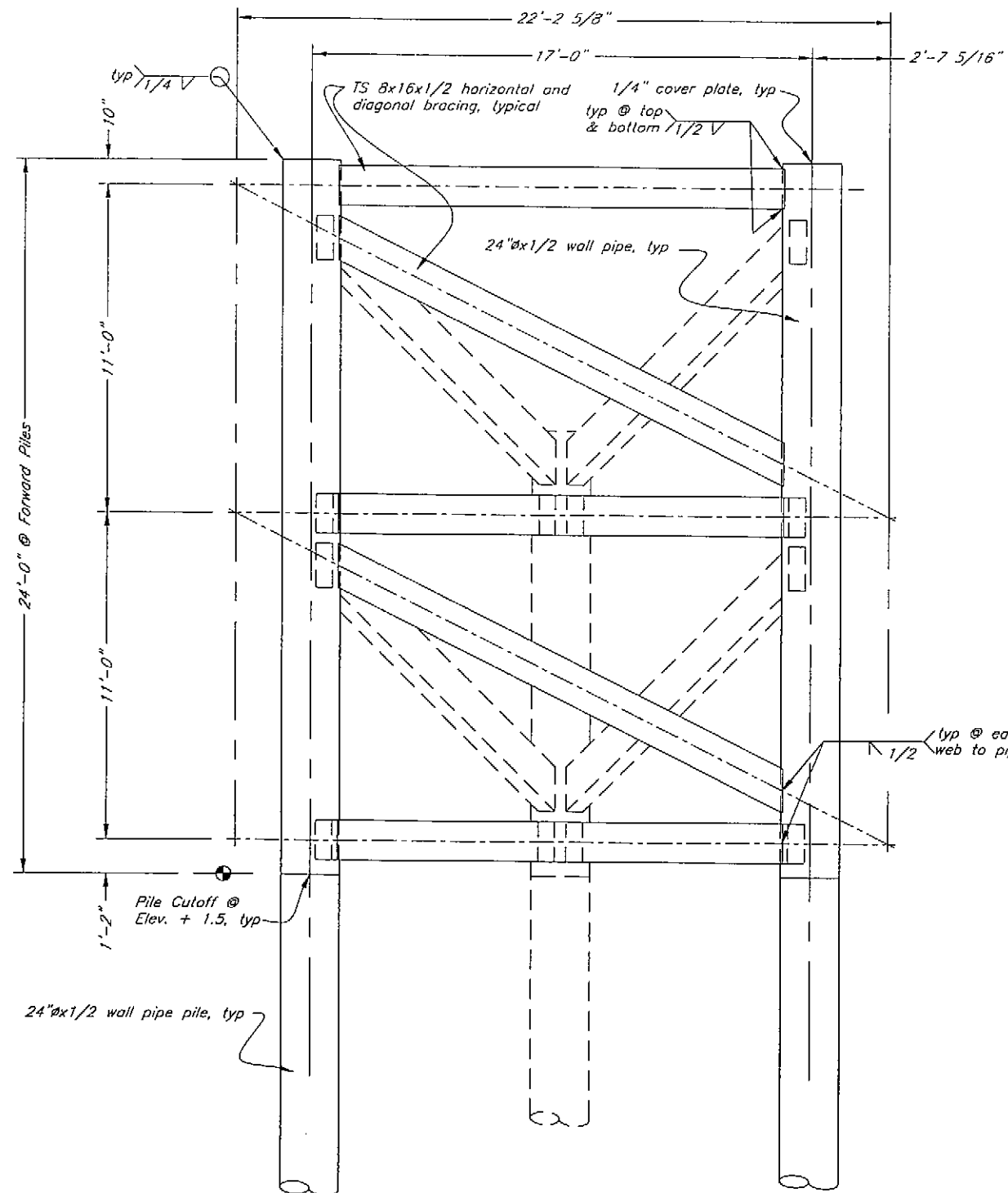
Fri, 01/Apr/05 02:43PM

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

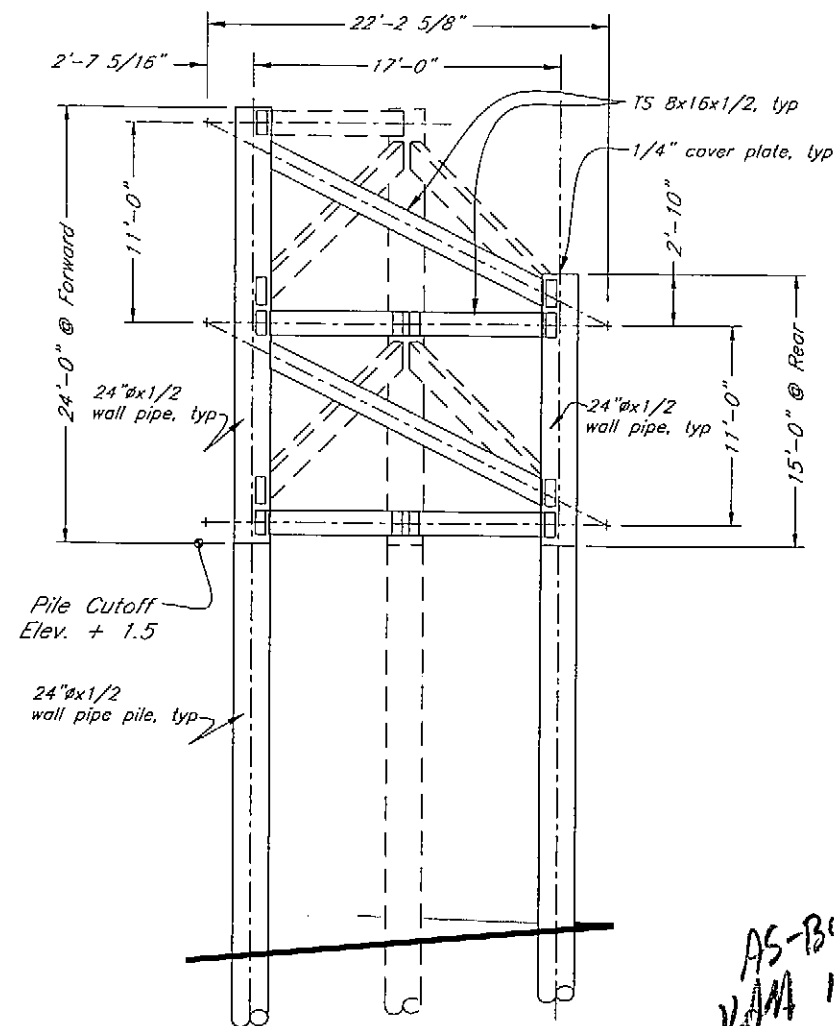
South Mitkof Ferry Terminal

**Pontoon Restraint Dolphins
ER & WR**

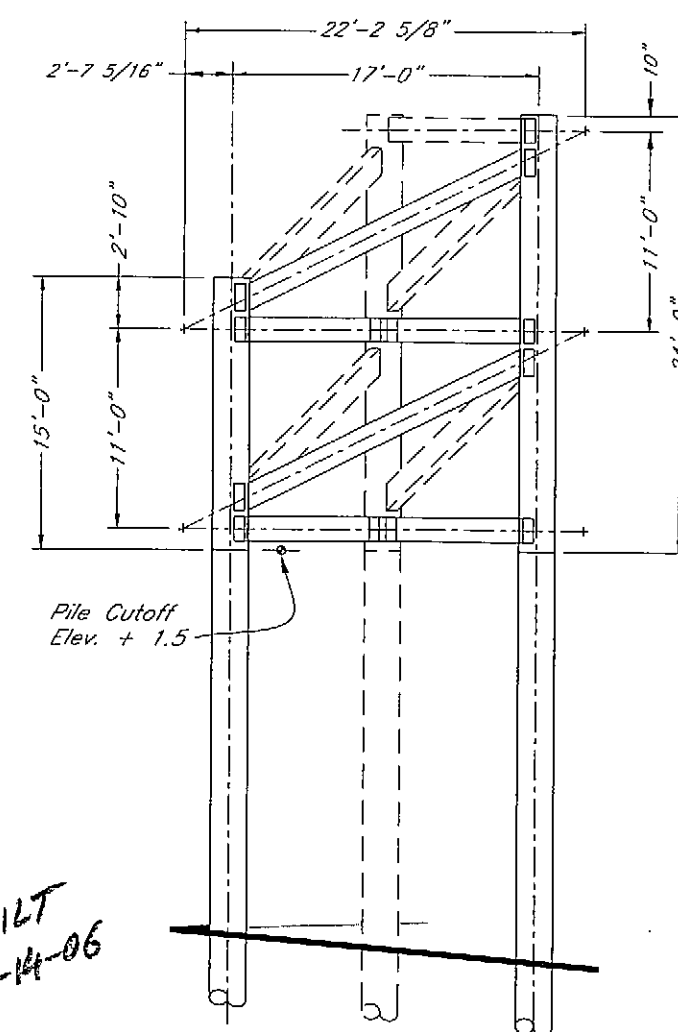
REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			67833	2005	44	96



Elevation - Forward Bracing
(ER shown Looking East)



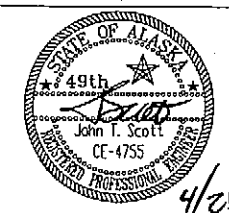
Elevation - Side Bracing
(WR shown looking South)

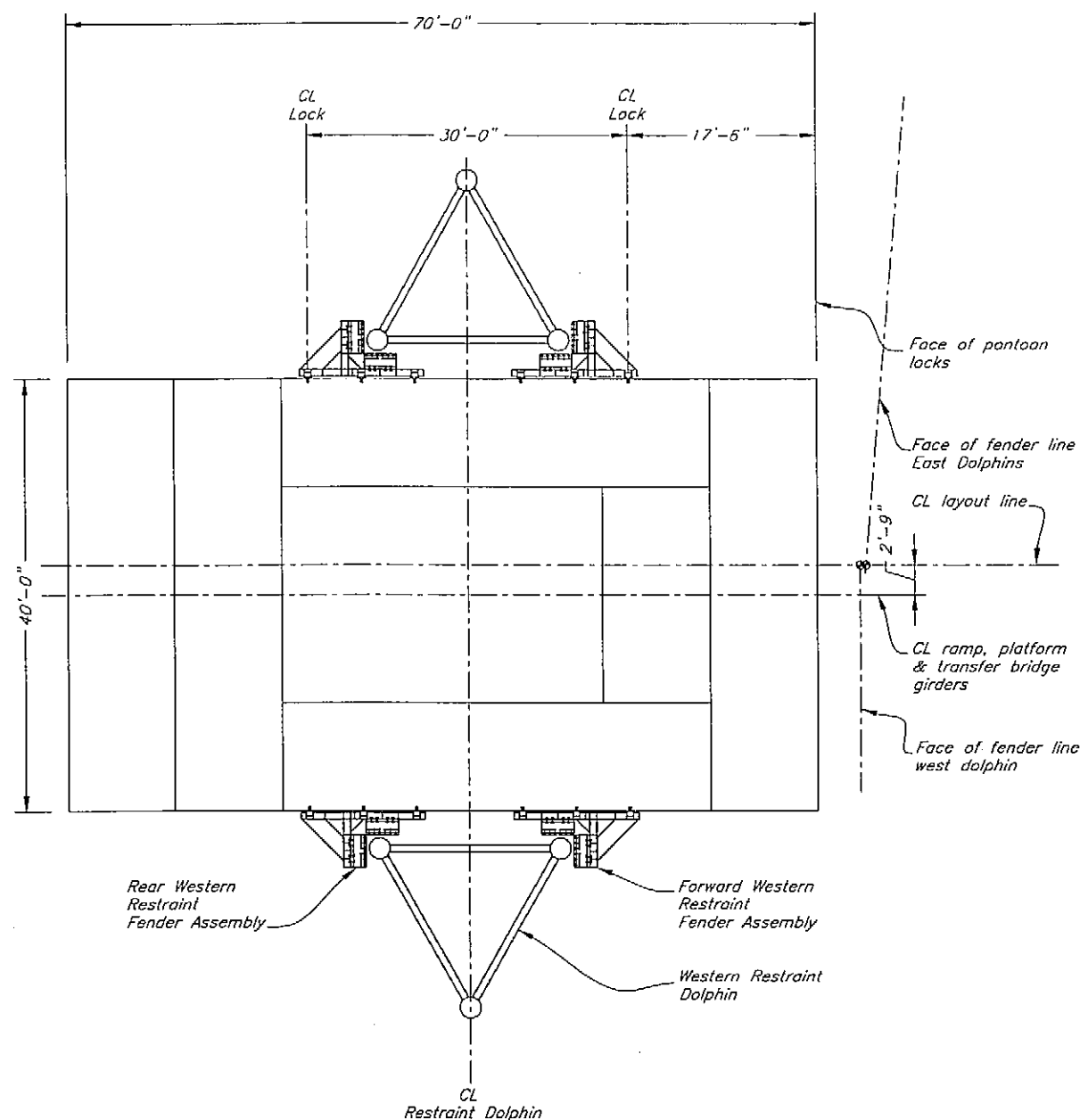


Elevation - Side Bracing
(WR shown looking Northeast)

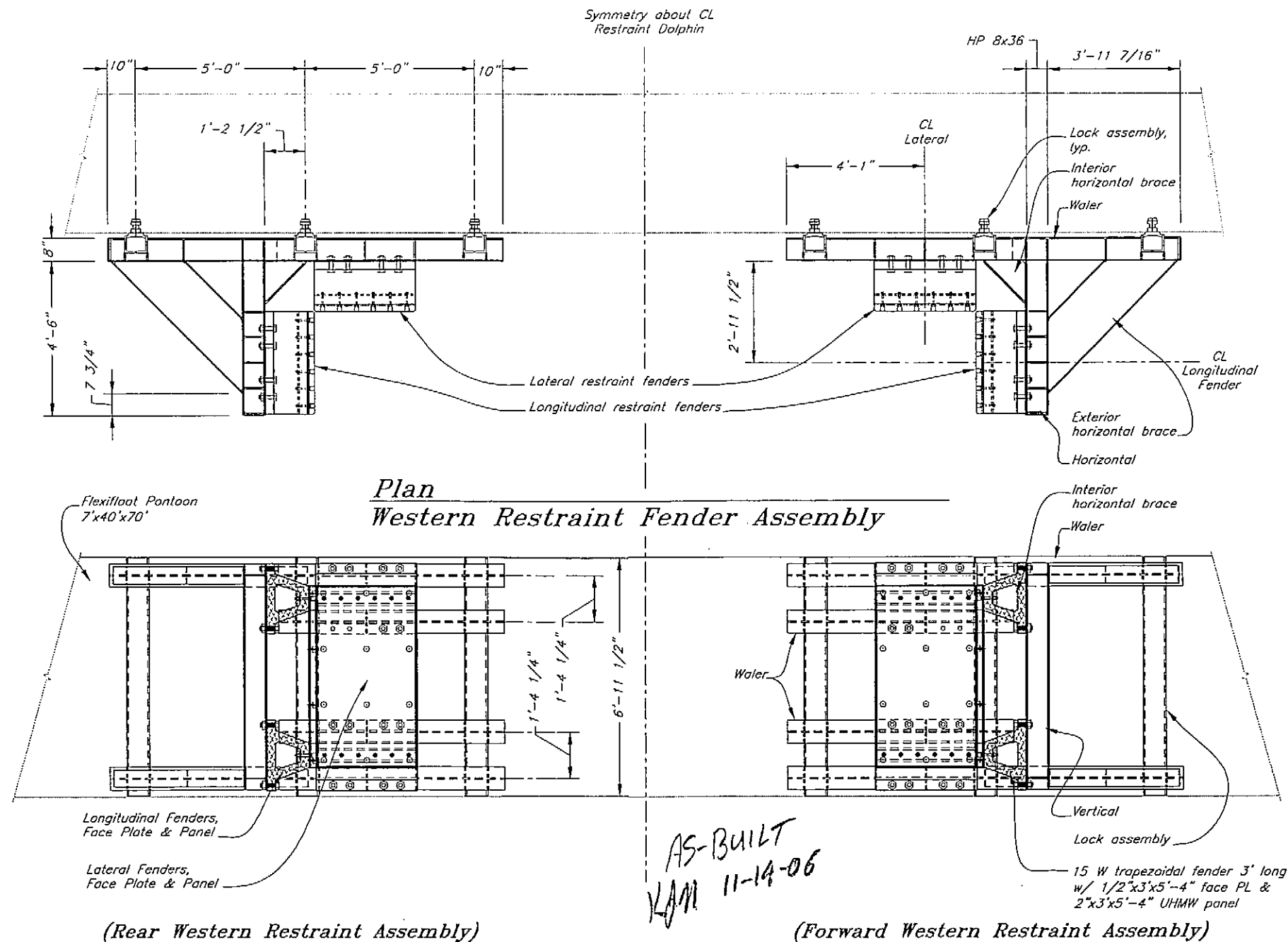
AS-BUILT
RAM 11-14-06

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

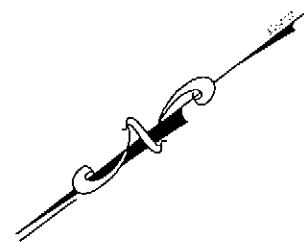
DESIGNED BY: J. Scott		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION			
 4/25/05		South Mitkof Ferry Terminal			
		Pontoon Restraint Dolphins ER & WR Elevation Views			
CHECKED BY: B. Savikko		PROJECT DESIGNATION			
DRAWN BY: J. Scott		YEAR			
PATH: Q:\Psg\67833\MF\PlanSet\045 Pontoon Restraint Dolphins ER & WR Elev.dwg		SHEET NO.			
PLOT: PSPACE 1=1		TOTAL SHEETS			
FRI, 01/APR/05 02:43PM					
NO.	DATE	DESCRIPTION	67833	2005	45
					96



Layout
Restraint Fender Assemblies

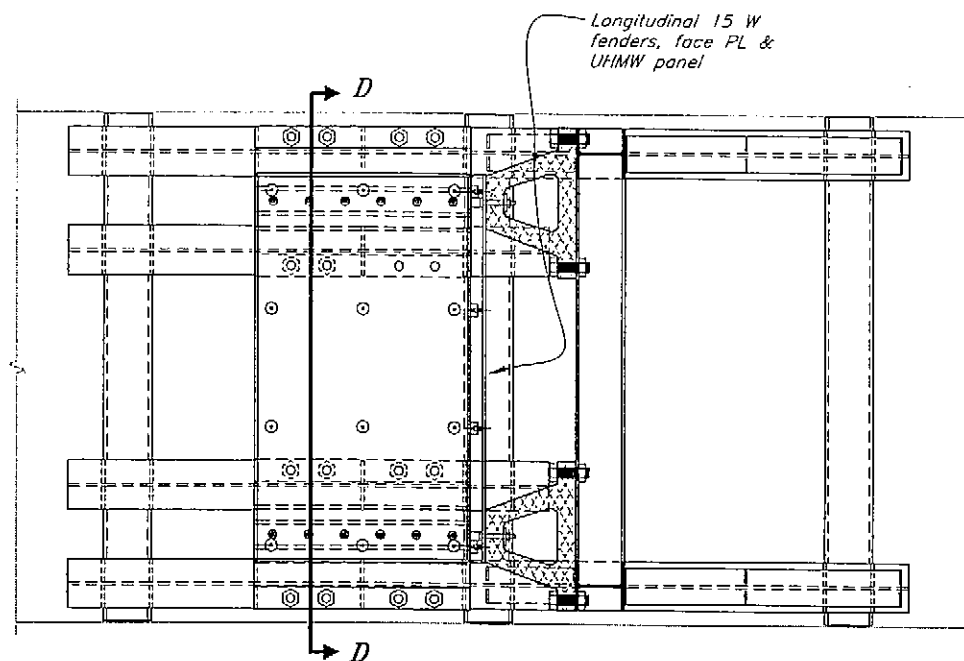


Elevation
Western Restraint Fender Assembly
(Eastern Restraint mirrored @ CL pontoon w/
opposite locks)

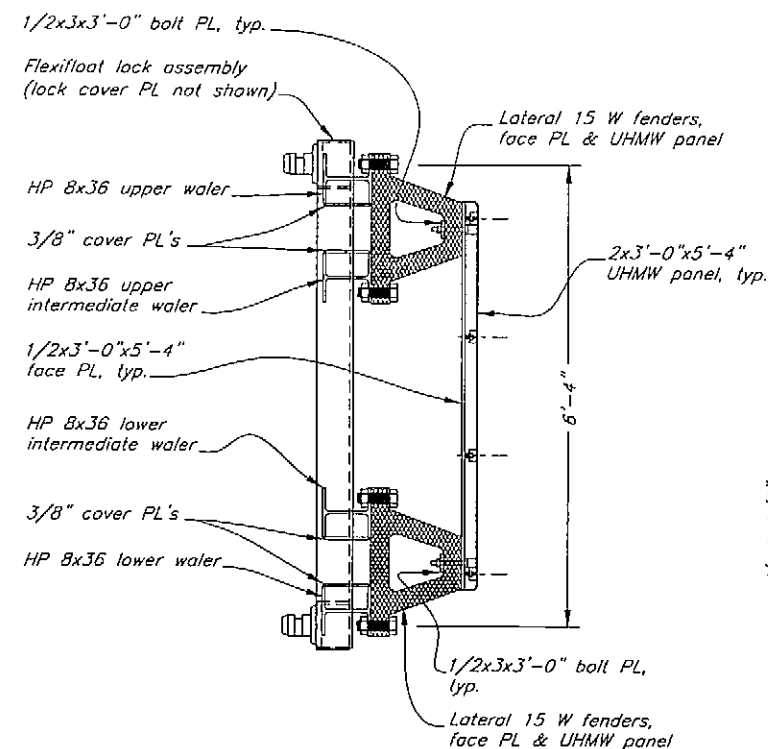


DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

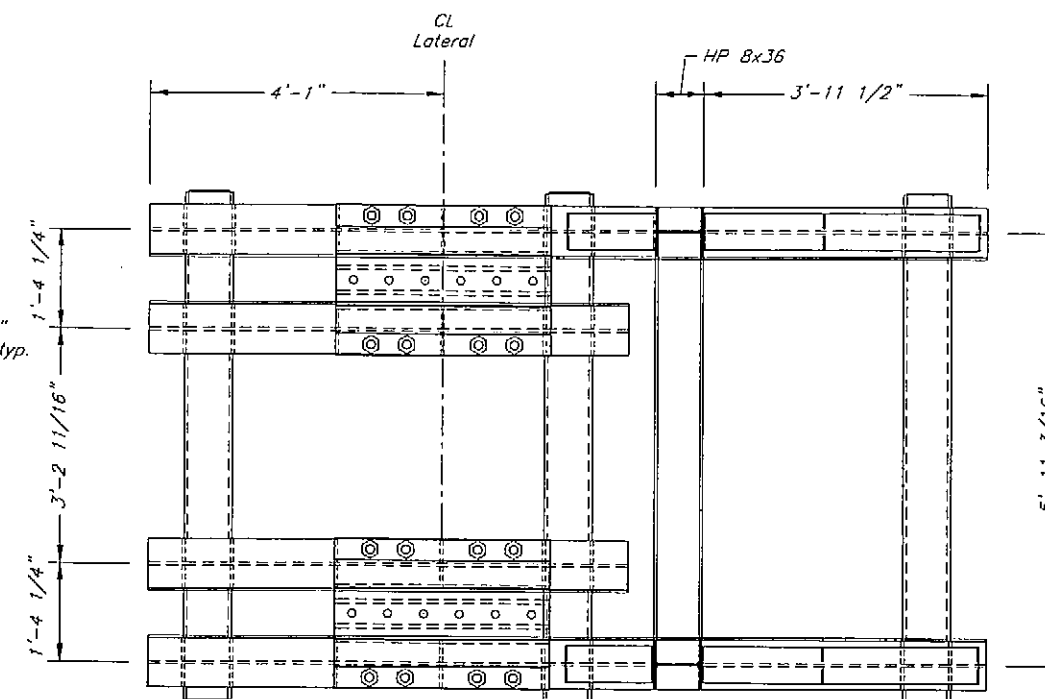
DESIGNED BY: J. Scott		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION			
		South Mitkof Ferry Terminal			
CHECKED BY: NAME		Restraint Fender Assembly Layout			
DRAWN BY: J. Scott, T. Mores		4/25/05			
PATH: Q:\Psg\67833\MF\Planse\045 pontoon restraint dolphin & Fender.dwg		TAB: DETAIL Frt 01/Apr/05 02:47PM			
PLOT: PSPACE 1=1					
REVISIONS		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION	67833	2005	46
					96



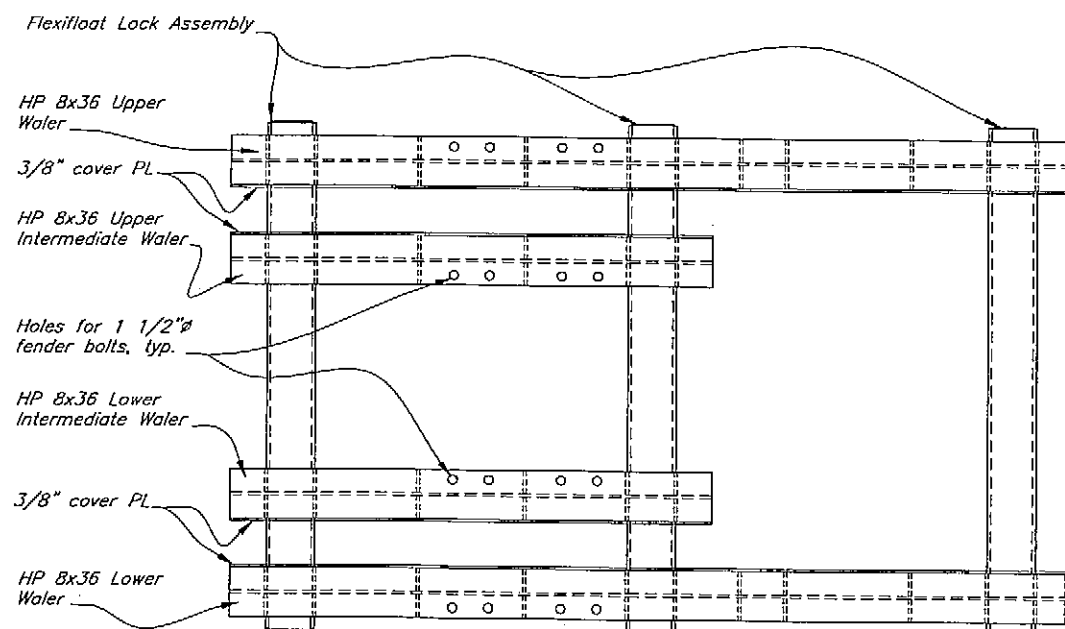
Elevation
Complete Assembled View



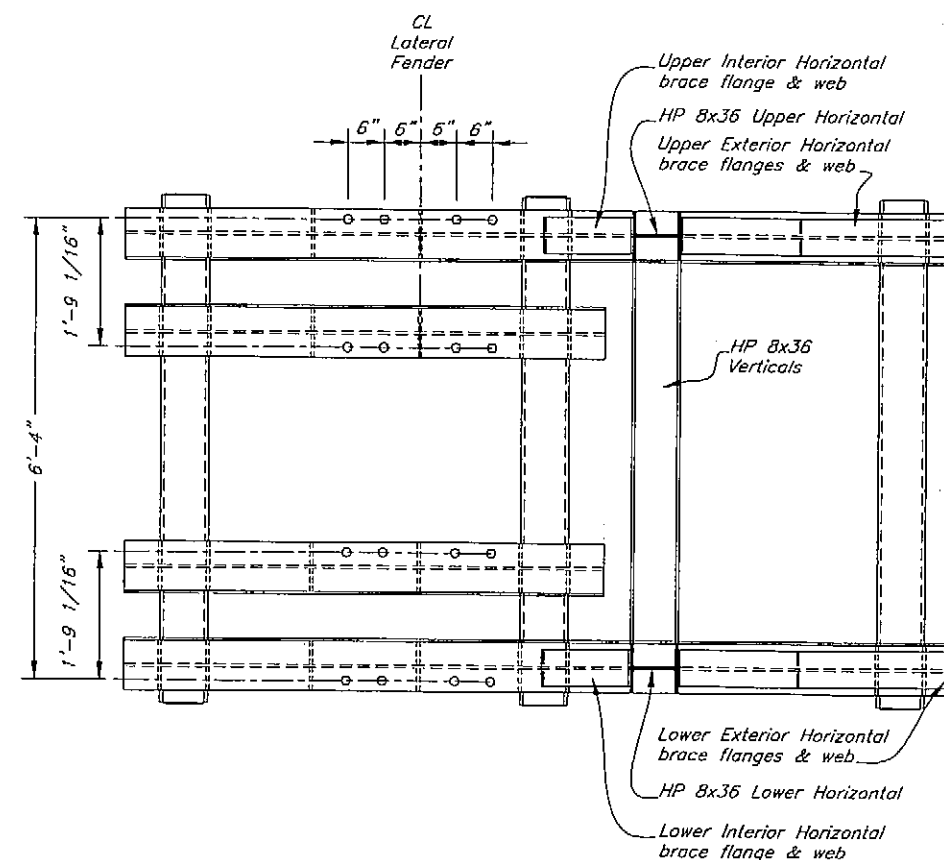
Section D-D



Elevation
Walers, Locks w/ lateral
15 W Fender, Horizontals
& Verticals



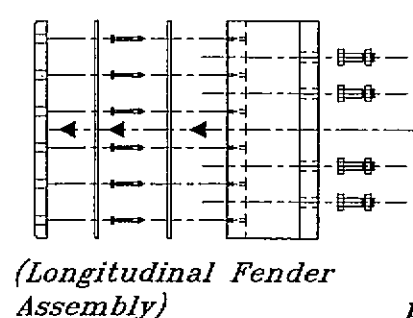
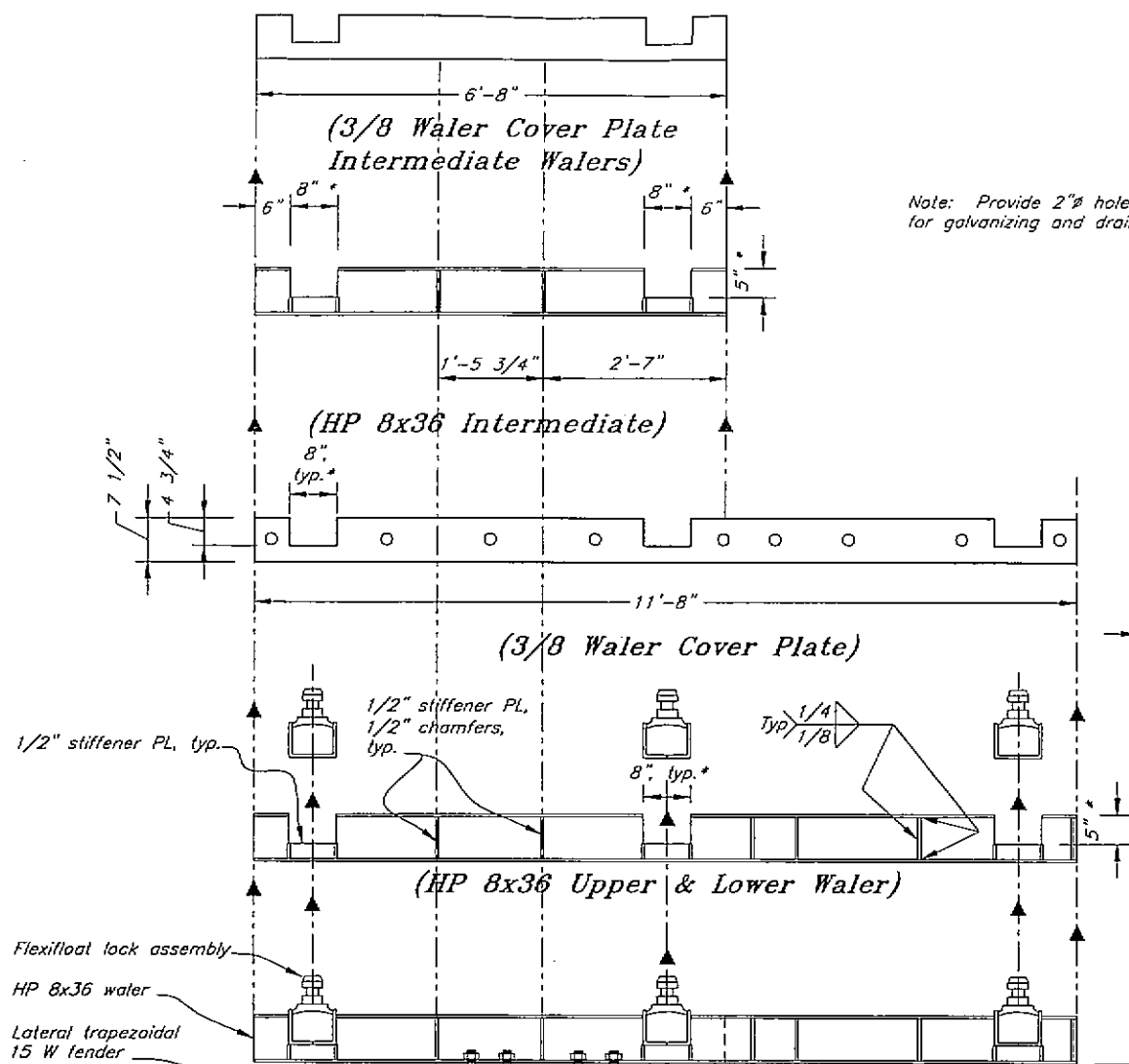
Elevation
Walers & Locks Only
(horizontals & braces not shown)



Elevation
Walers, Locks w/ Horizontals & Verticals

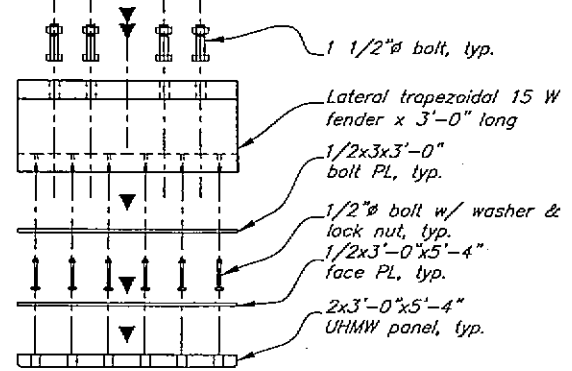
As-built
KAM 11-14-06

DESIGNED BY: J. Scott		DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS			
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION			
		South Mitkof Ferry Terminal			
CHECKED BY: NAME		Lateral Restraint Fenders & Walers			
DRAWN BY: J. Scott, T. Mores		PROJECT DESIGNATION			
PATH: D:\Psp\67833\ME\Planset\047 pontoon restraint dolphin & fender\Apr/05 02:50PM		YEAR			
PLOT: PSPACE 1=1		SHEET NO.			
REVISIONS		TOTAL SHEETS			
NO.	DATE	DESCRIPTION			
67833			2005 47 96		



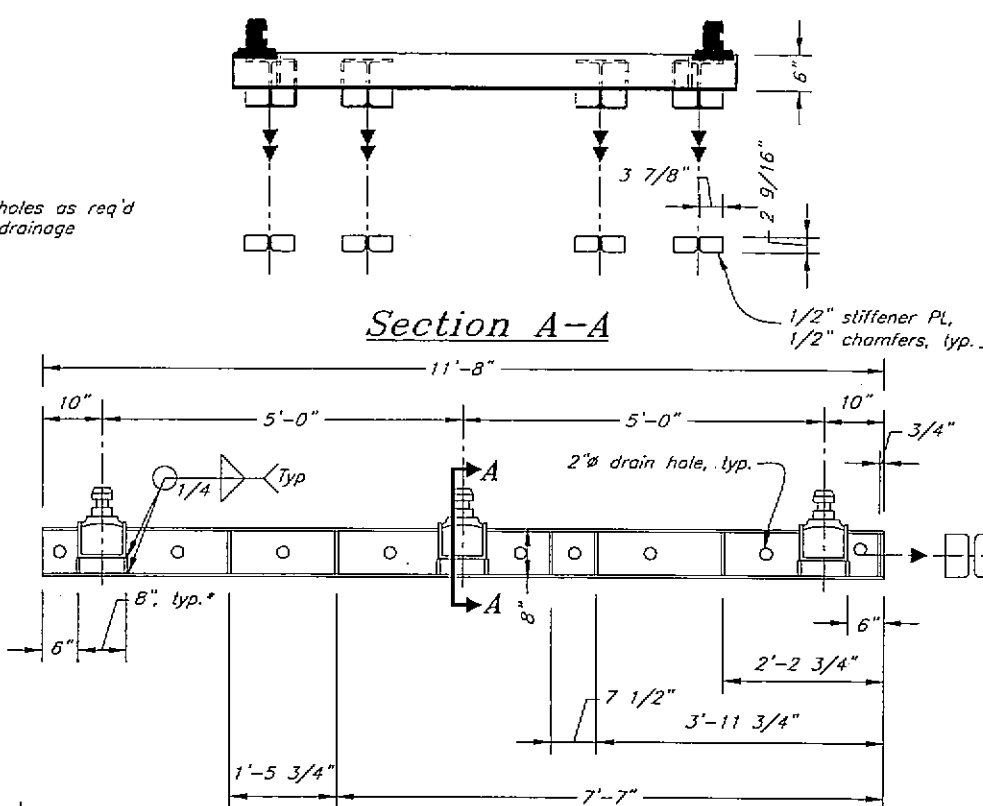
**Plan & Exploded Views
Forward Western Restraint**

Note: Lateral & longitudinal 15W fender, face PL & UMMW are identical.

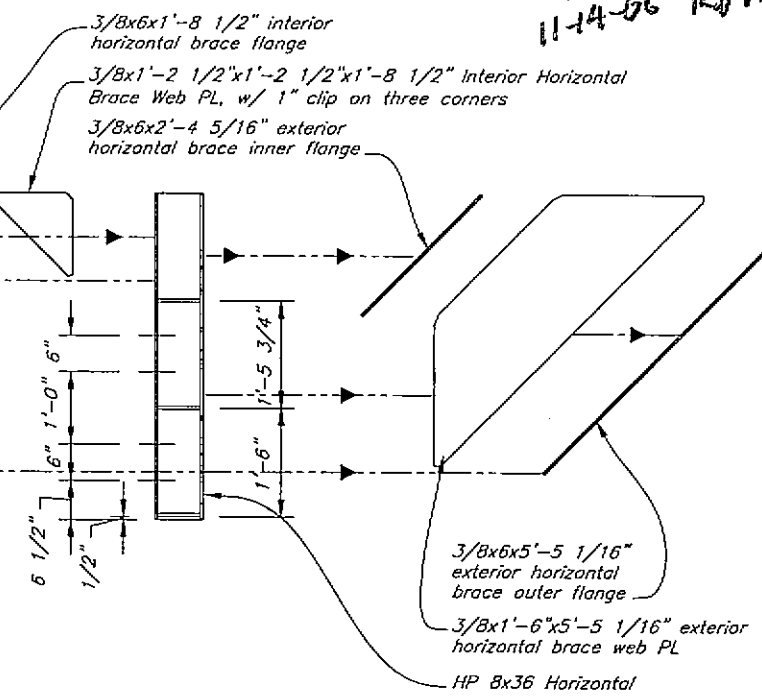


(Lateral Fender Assembly)

Note: Provide 2" holes as req'd for galvanizing and drainage

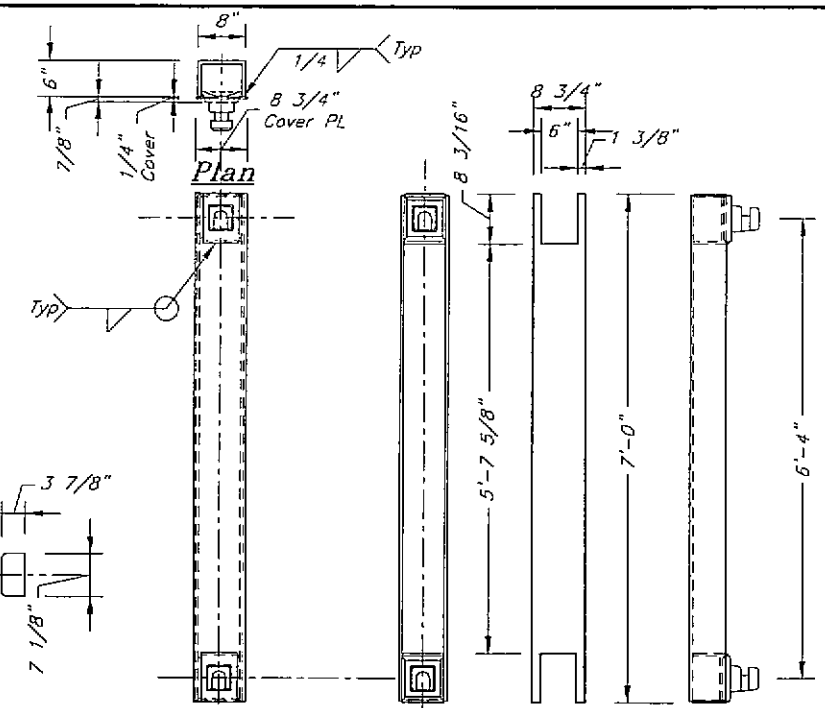


**Plan
HP 8X36 Upper & Lower Water**

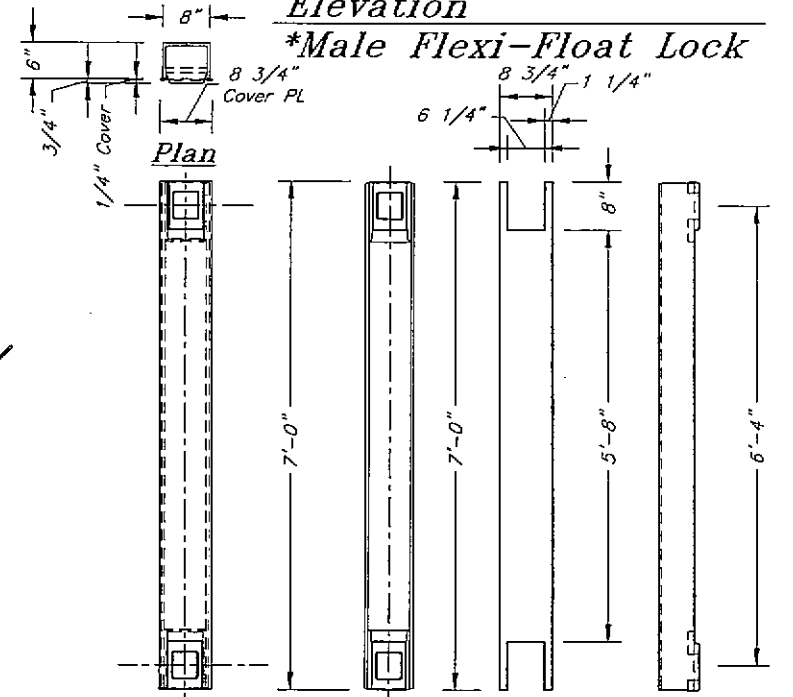


(Interior & Exterior Horizontal, Brace, Web & Flange)

*Flexi-float lock assemblies from Robshaw Eng'r, coordinate dimensions with Robshaw.

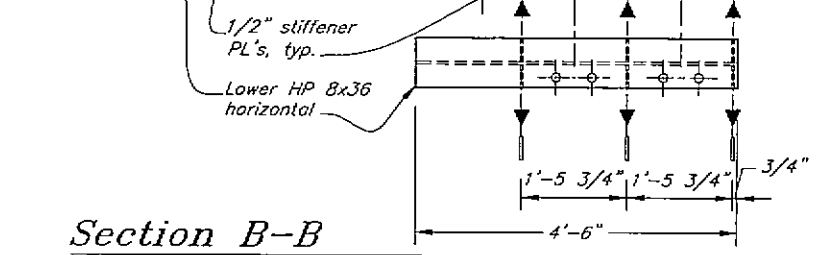
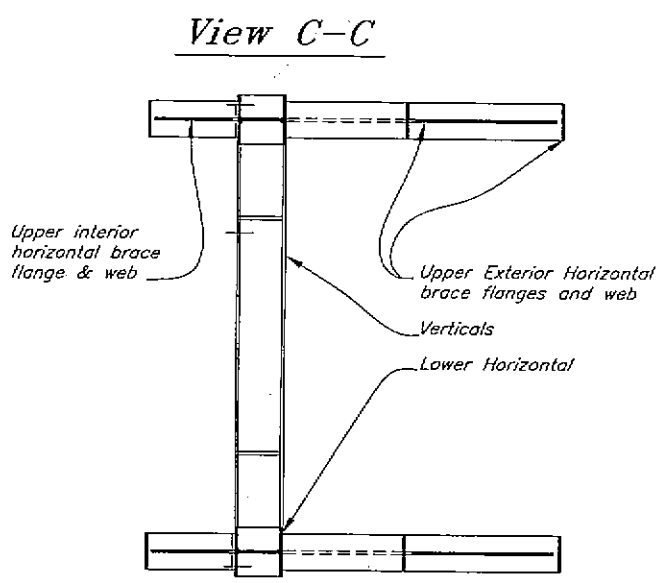
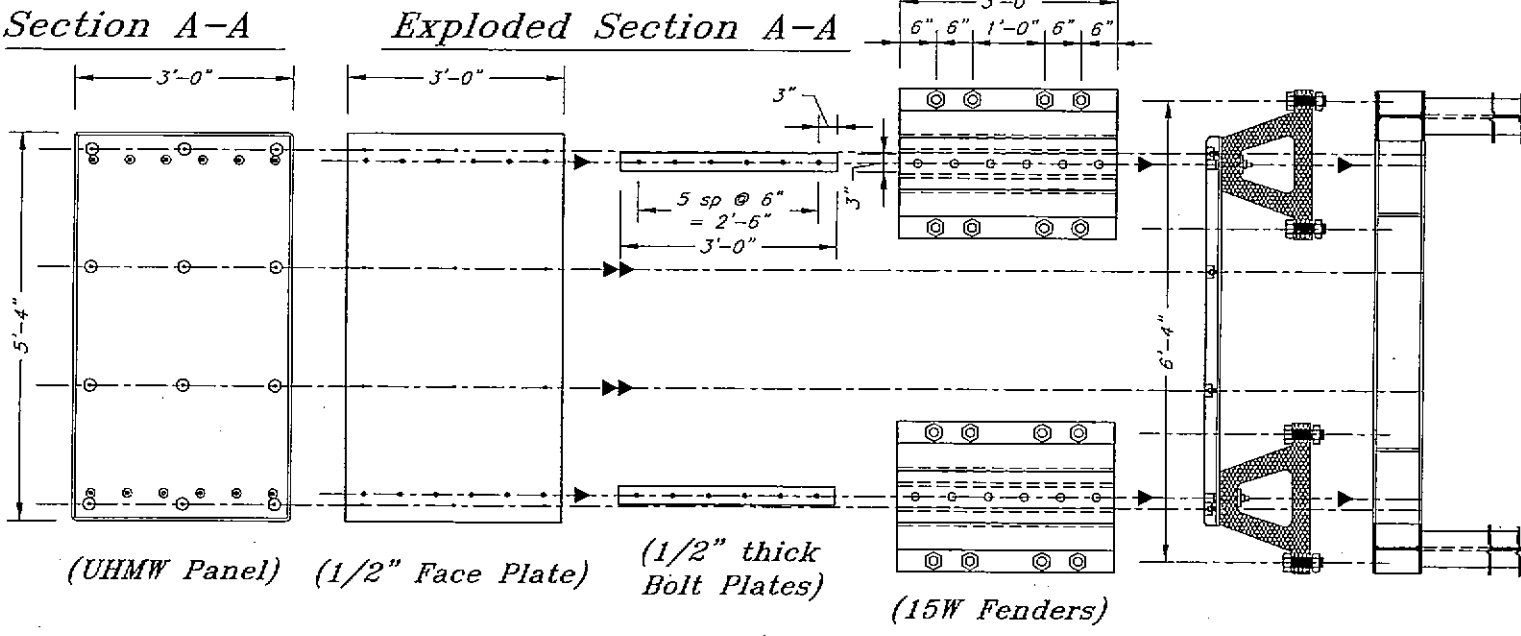
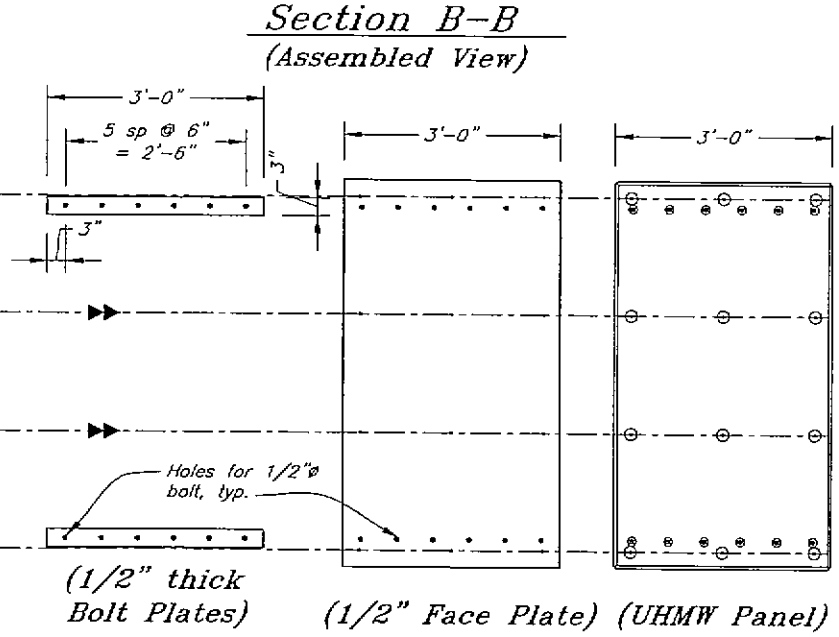
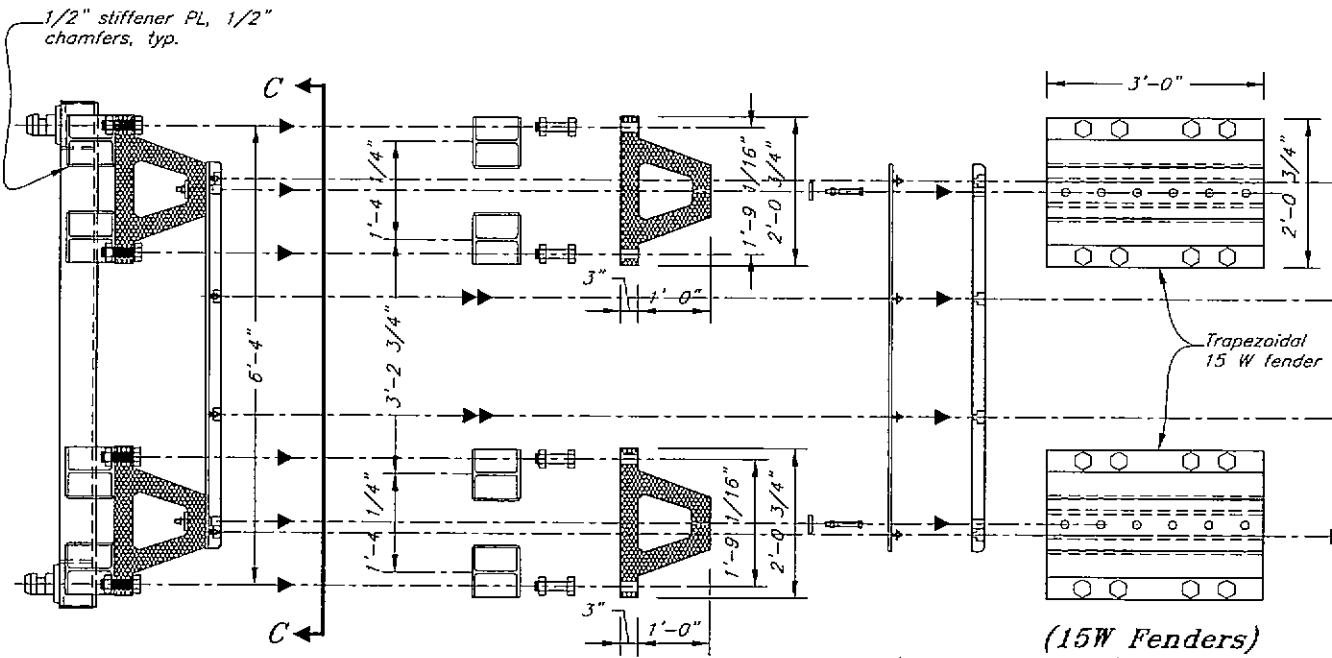
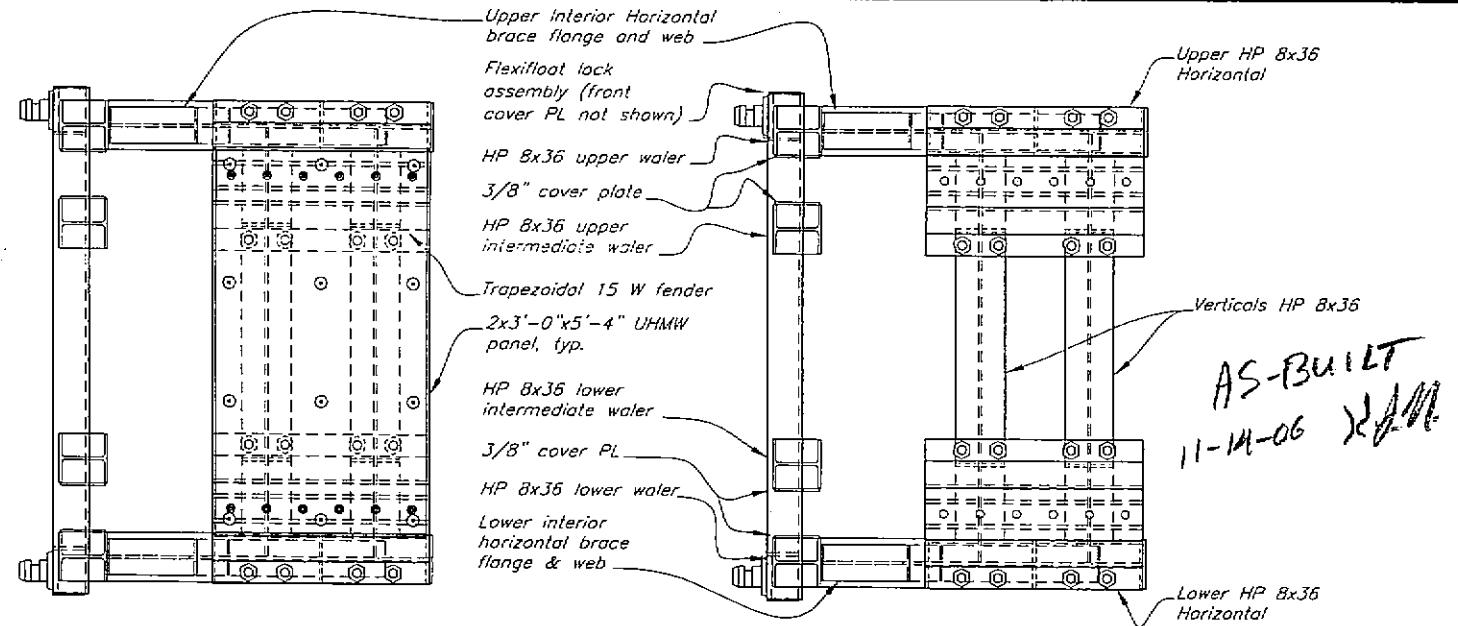
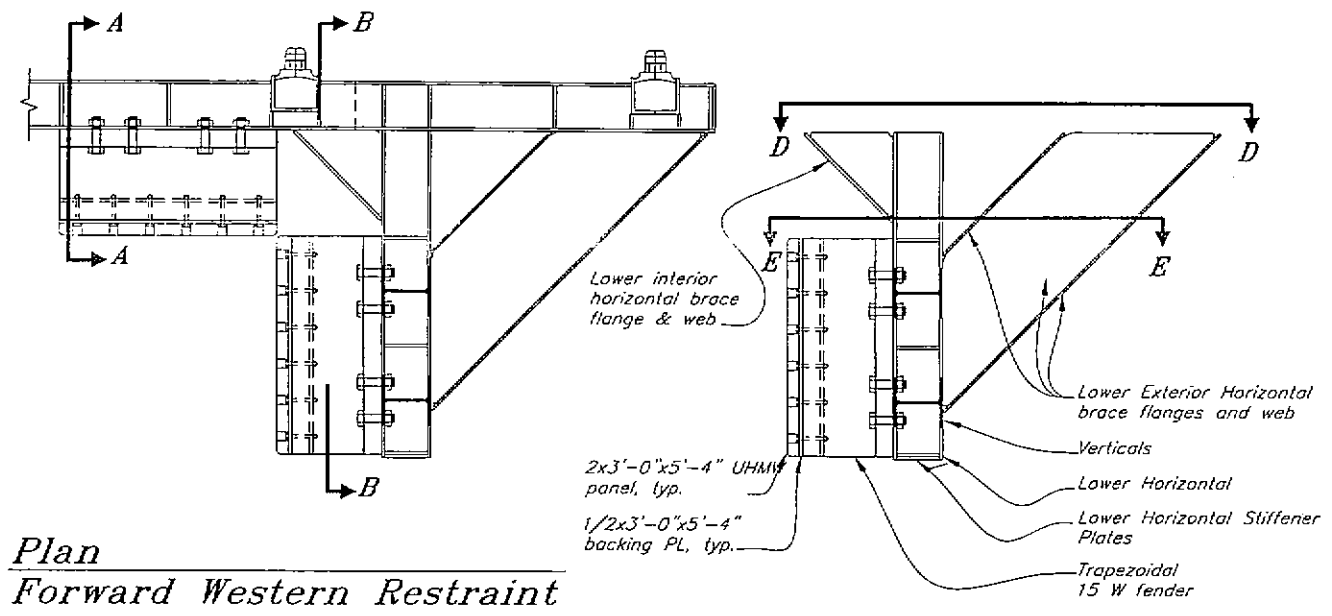


**Elevation
*Male Flexi-Float Lock**



**Elevation
*Female Flexi-Float Locks**
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: J. Scott		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION			
		South Mitkof Ferry Terminal			
CHECKED BY: NAME		Restraint Fender Walers & Lock Details			
DRAWN BY: J. Scott, T. Mores		PATH: Q:\Psg\67833\MF\Planset\048 pontoon restraint dolphin & fender.dwg/05 02:58PM PLOT: PSPACE 1=1 TAB: DETAIL			
REVISIONS NO. DATE DESCRIPTION		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
		67833	2005	48	96



Exploded Section G-G

View D-D

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: J. Scott

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

South Mitkof Ferry Terminal

Restraint Longitudinal Fender Assembly

CHECKED BY: NAME
DRAWN BY: J. Scott, T. Mores

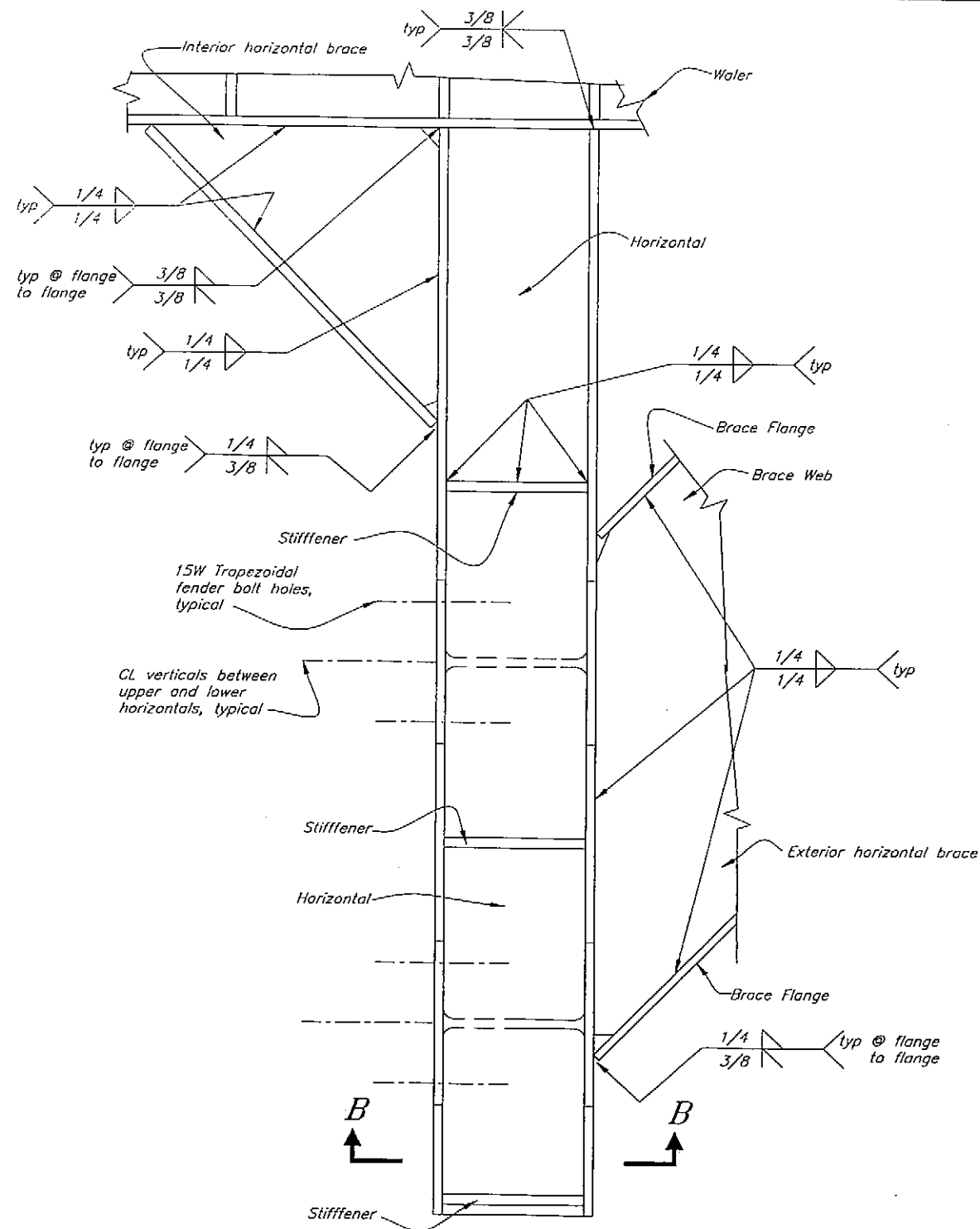
PATH: D:\Psg\67833\HP\Planset\049 pontoon restraint dolphin & Fender.dwg
PLOT: PSPACE 1=1

REVISIONS

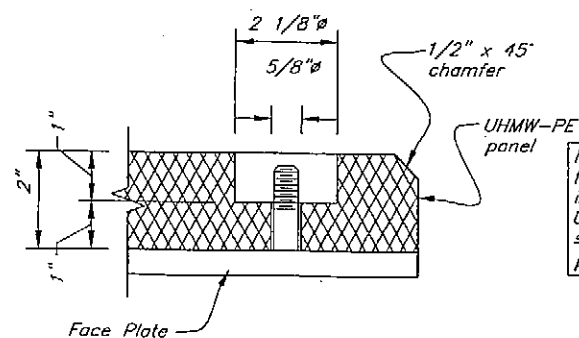
NO.	DATE	DESCRIPTION

PROJECT DESIGNATION: 67833
YEAR: 2005
SHEET NO.: 49
TOTAL SHEETS: 96

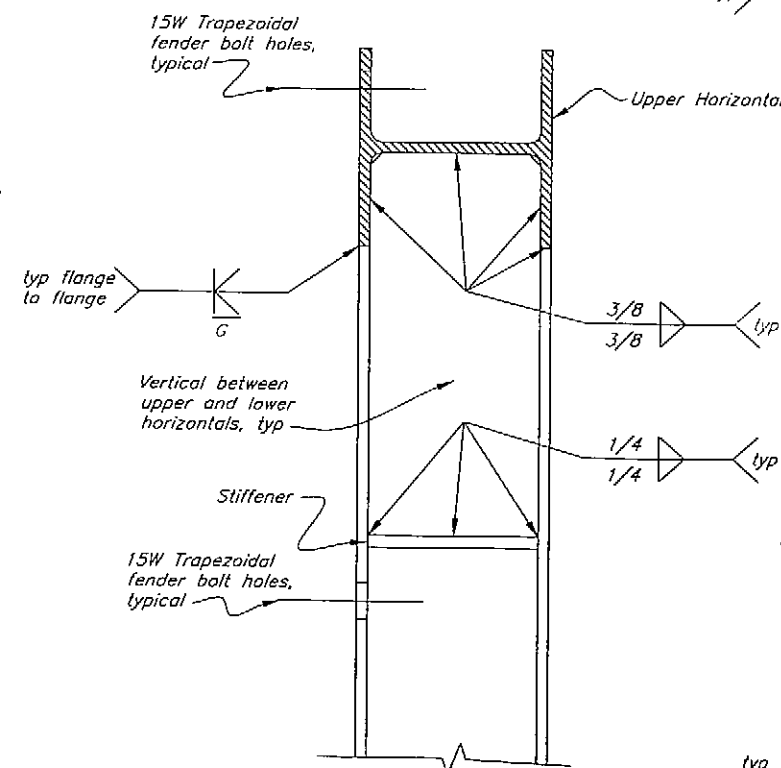
4/25/05



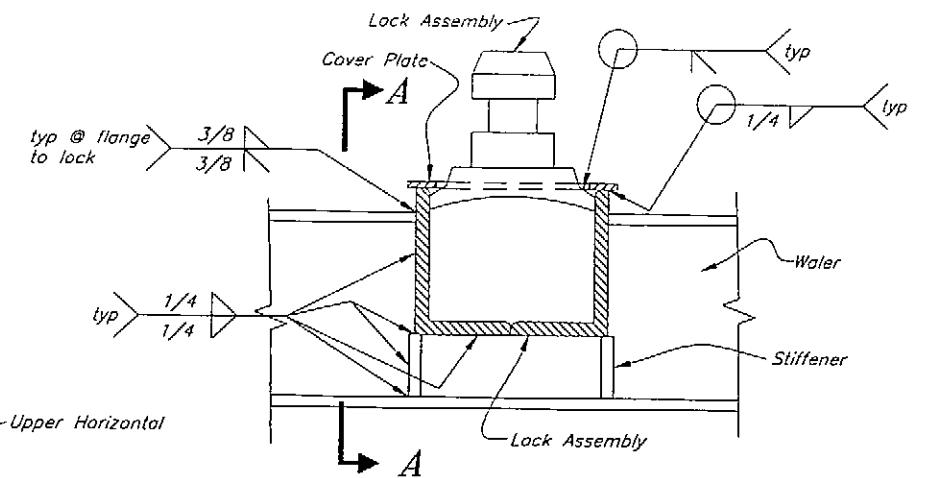
Horizontal to Waler & Braces



Section thru UHMW @ Fender Face

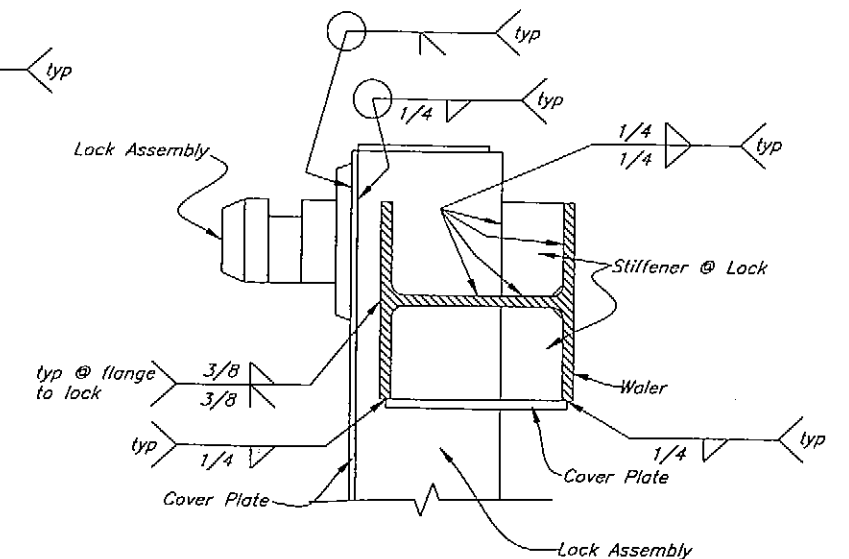


Section B-B
@ Horizontal to Vertical

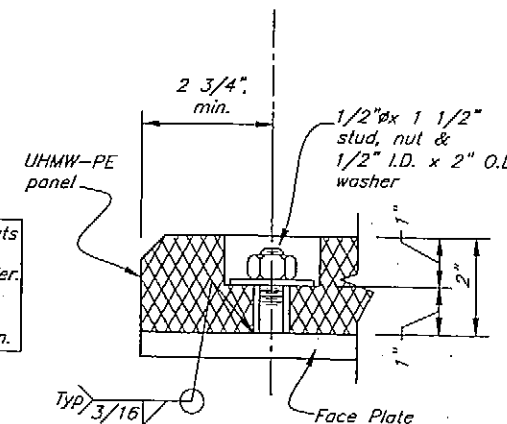


Waler to Lock Assembly

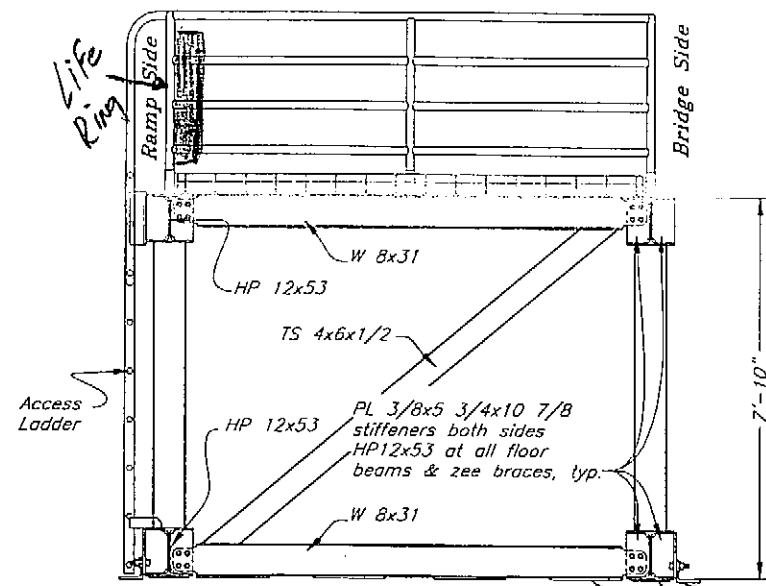
AS-BUILT
11-14-06 JLM



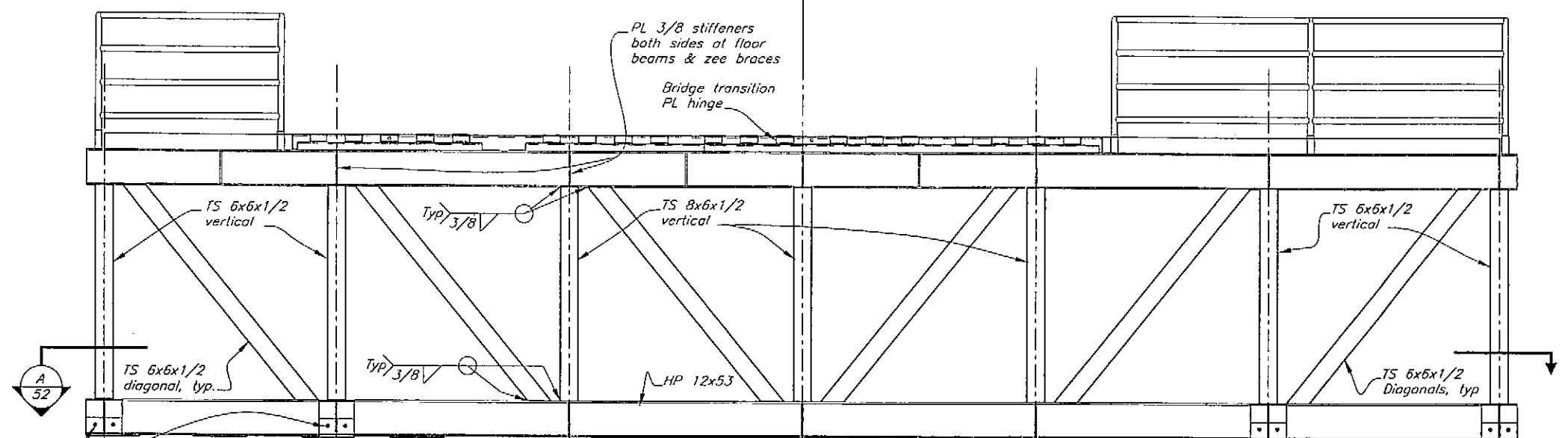
Section A-A
@ Waler to Lock Assembly



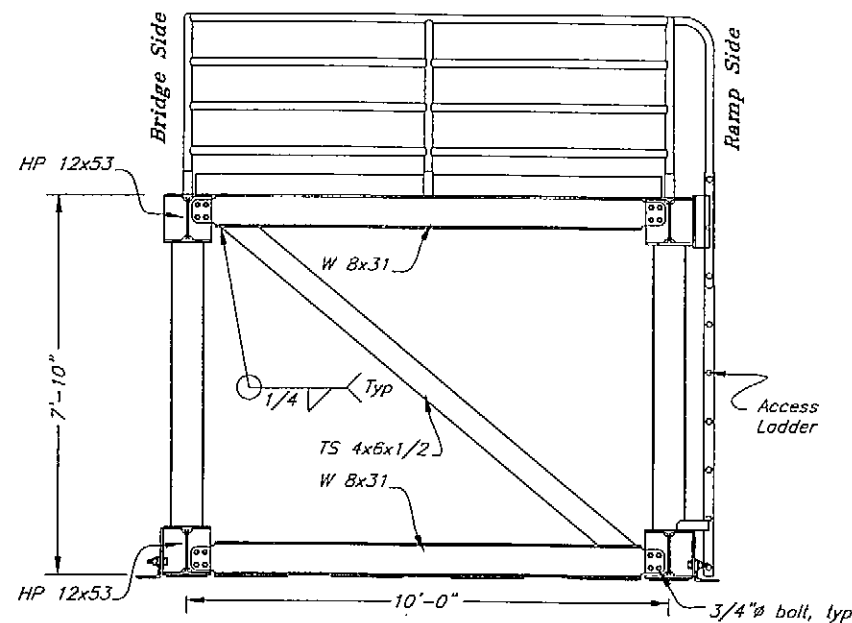
DESIGNED BY: J. Scott		DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS			
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION			
		South Mitkof Ferry Terminal			
CHECKED BY: J. Beedle		Restraint Fender Welds & Details			
DRAWN BY: J. Scott/T. Mores		PROJECT DESIGNATION: 67833			
PATH: Q:\Psg\67833\MF\Plan\050 pontoon restraint fenders.dwg		YEAR: 2005			
PLOT: PSPACE 1=1		SHEET NO. 50			
		TOTAL SHEETS 96			
REVISIONS					
NO.	DATE	DESCRIPTION			



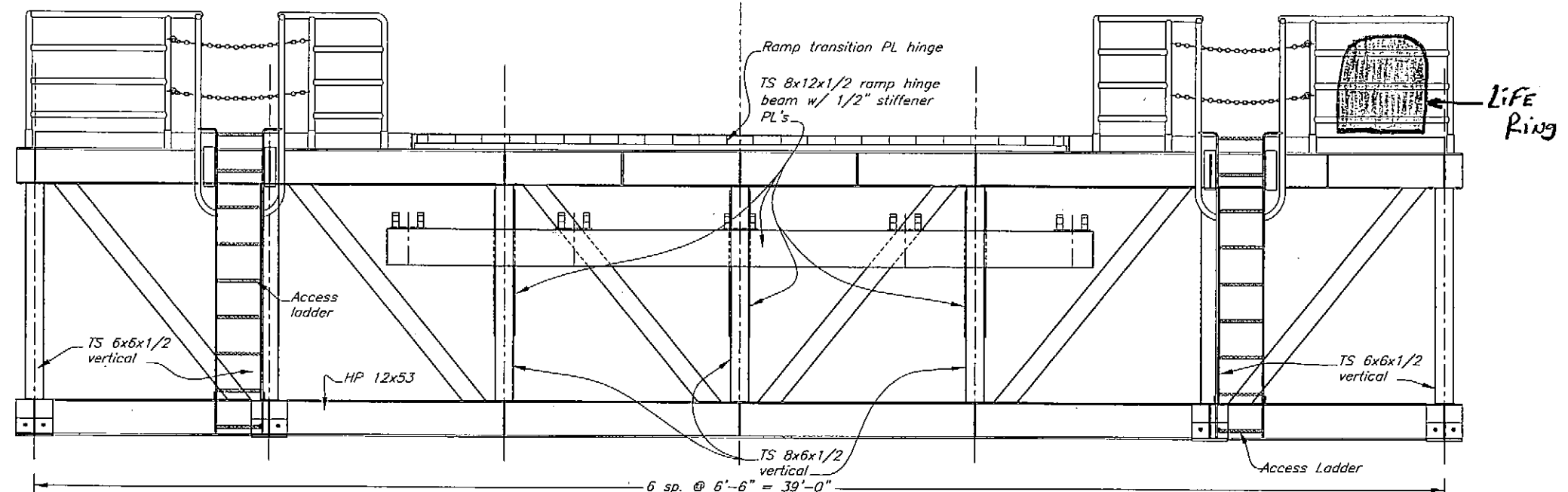
End Elevation
(looking from shore to seaward)



Elevation
(looking from Transfer Bridge toward Ship)



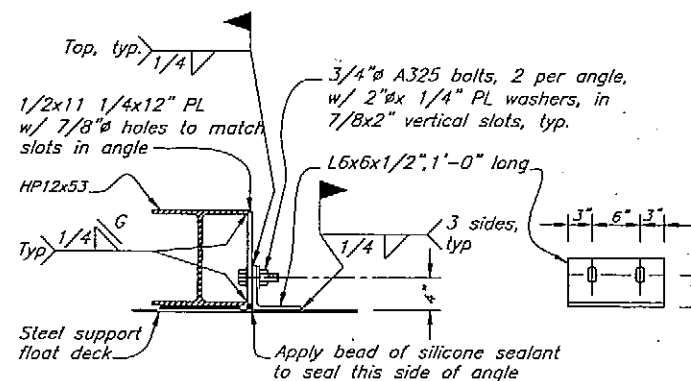
End Elevation
(looking from seaward to shore)



Elevation
(looking from Ramp toward Transfer Bridge)

Platform

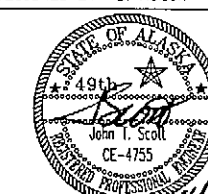
NOTE:
50 Duro 1/2x10x18" long elastomeric pad
at ea. vertical, ea. deck clip, & where
req'd to provide 3' max. between pads



Clip Detail

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: B. Nelson



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

South Mitkof Ferry Terminal

Platform Frame Elevations

CHECKED BY: J. Scott

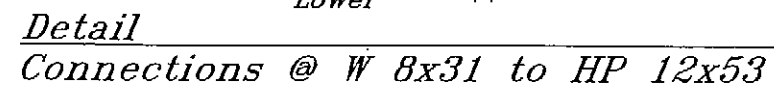
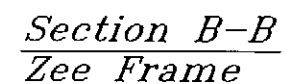
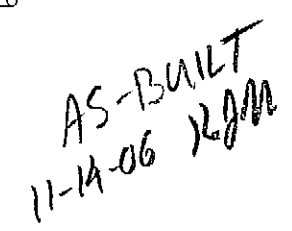
DRAWN BY: B. Nelson, T. Mores

PATH: O:\Psg\67833\MF\PlanSet\031 Ped Platform Frame Elev.dwg

PLOT: PSPACE 1=1

Tue, 05/Apr/05 12:48PM

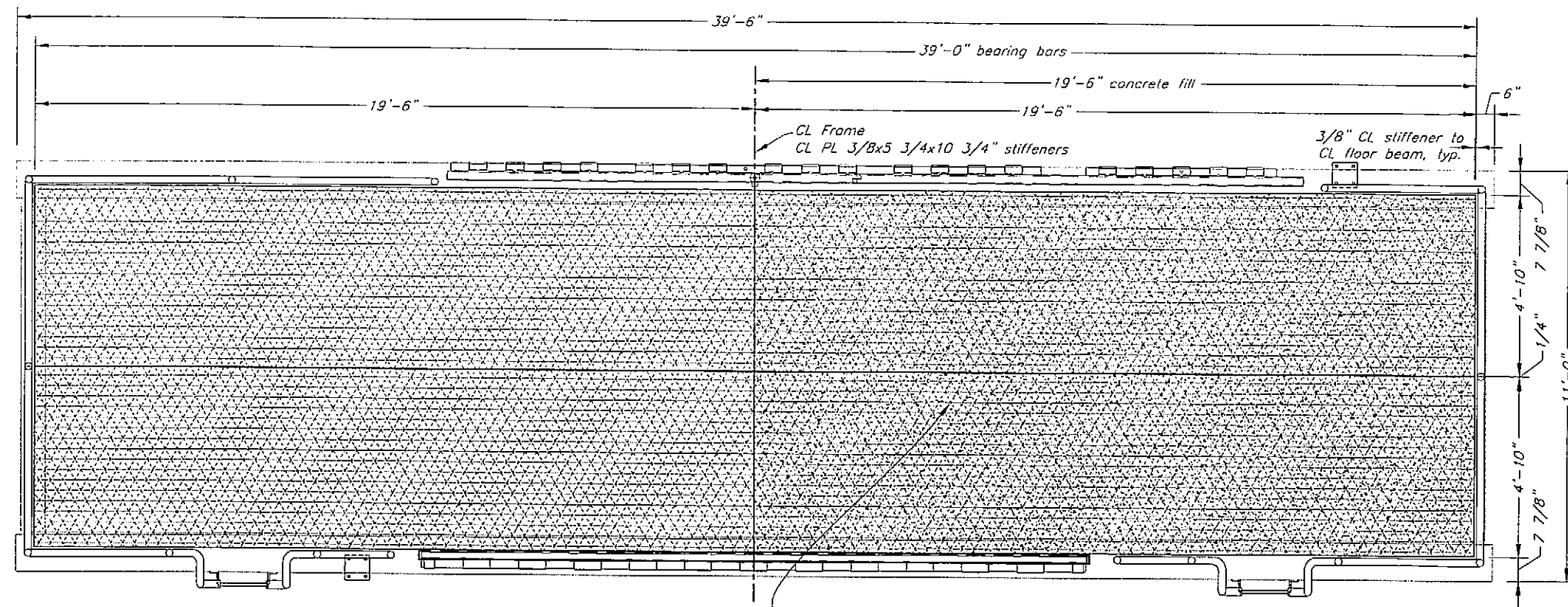
NO.	DATE	REVISIONS DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			67833	2005	51	96



DESIGNED BY: <i>B. Nelson</i>  <i>4/25/05</i>	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION South Mitkof Ferry Terminal
CHECKED BY: <i>J. Scott</i> DRAWN BY: <i>B. Nelson, T. Mores</i>	Platform Frame Layout
PATH: <i>C:\Psp\67833\MF\Planset\052 Ped Platform Frame Plan.dwg</i> PLOT: PSPACE 1=1	

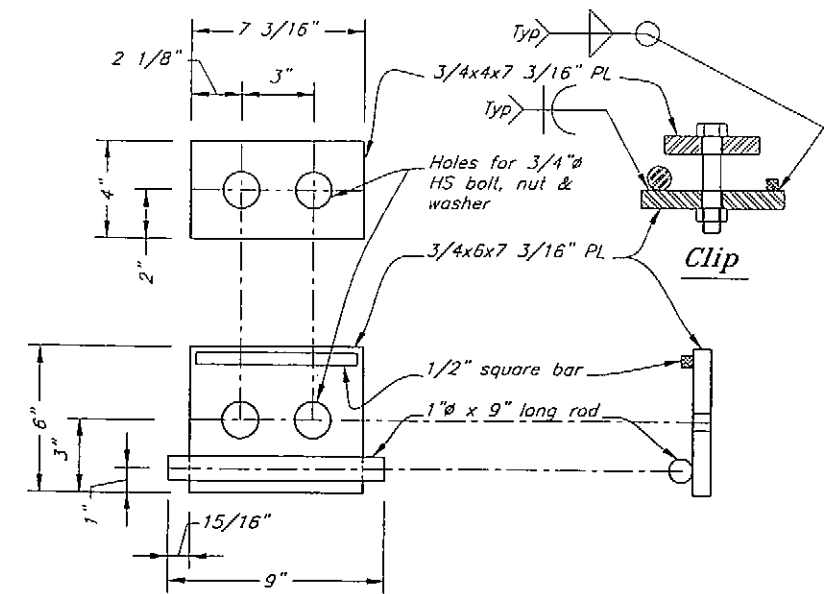
Fri, 01/Apr/05 04:06PM

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			67833	2005	52	96



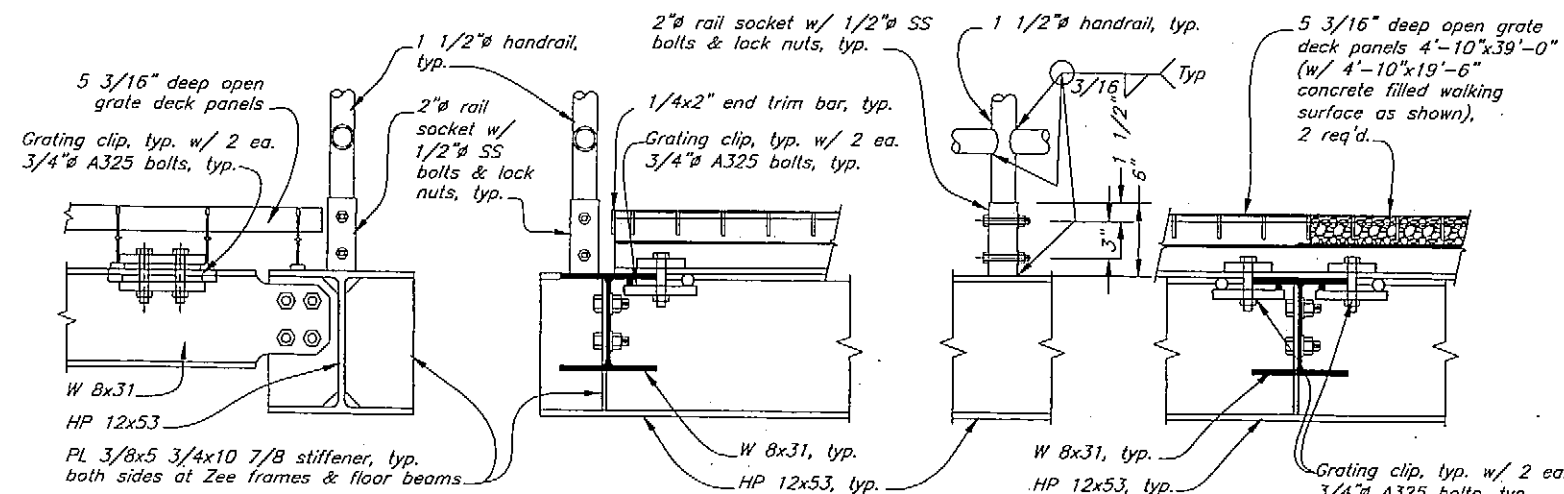
Plan
Platform Deck Panels

5 3/16" deep open grate deck panels 4'-10"x39'-0"
(w/ 4'-10"x19'-6" concrete filled walking surface as shown), 2 req'd.



Detail
5 3/16" Grate Decking Clip Assembly

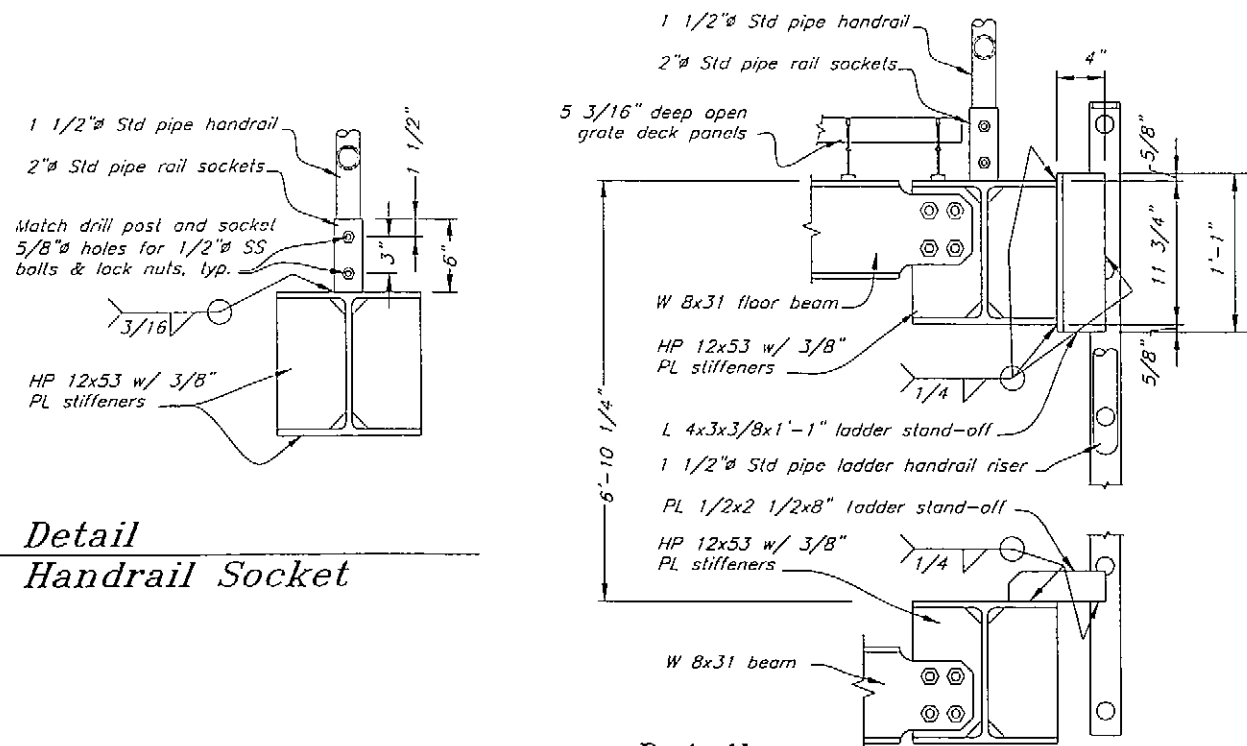
AS-BUILT
11-14-06 JLM



Detail
Grating Deck Attachment Clips

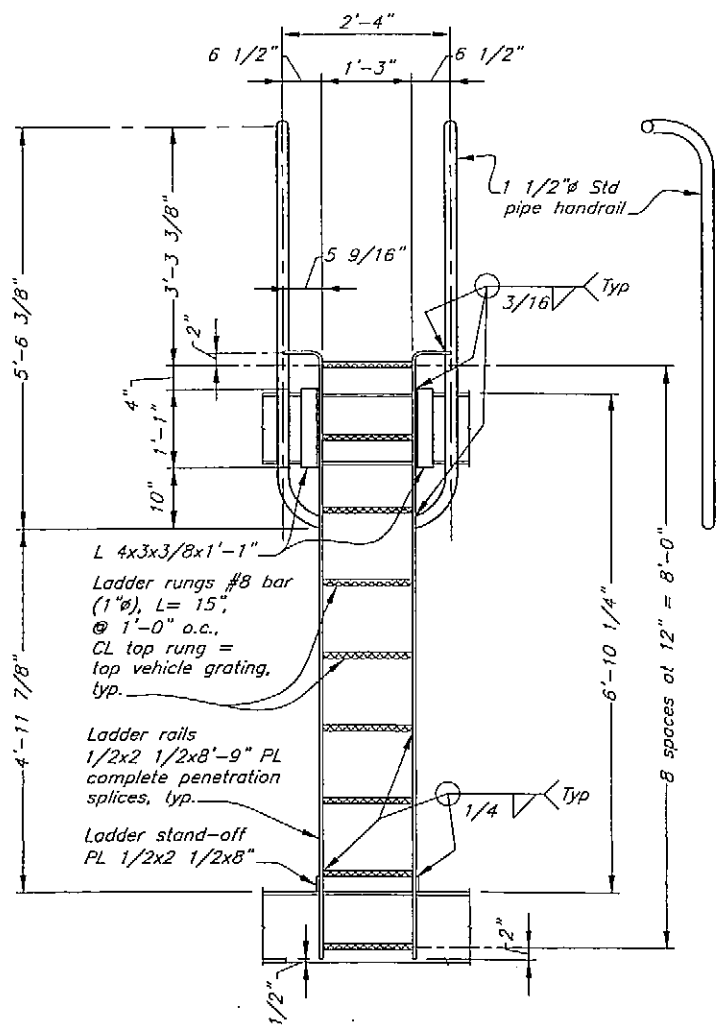
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: B. Nelson		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION			
		South Mitkof Ferry Terminal			
CHECKED BY: J. Scott		Platform Deck Details			
DRAWN BY: B. Nelson, T. Mores		Fri, 01/Apr/05 04:19PM			
PATH: Q:\Psg\67833\MF\Platform\053 Ped Platform Deck Dlls.dwg		PROJECT DESIGNATION: 67833			
PLOT: PSPACE 1=1		YEAR: 2005			
REVISIONS		SHEET NO. 53			
NO. DATE DESCRIPTION		TOTAL SHEETS 96			

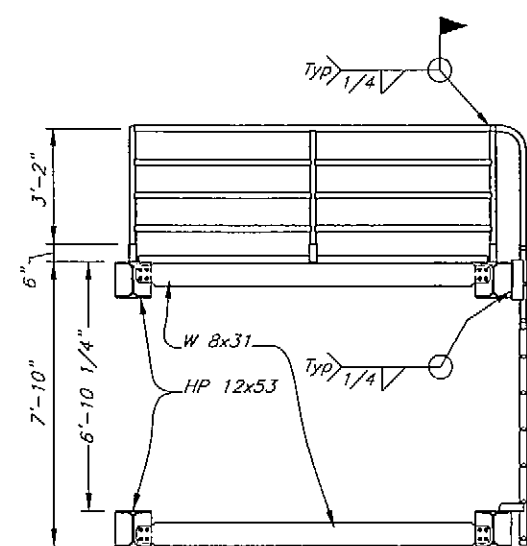


Detail Handrail Socket

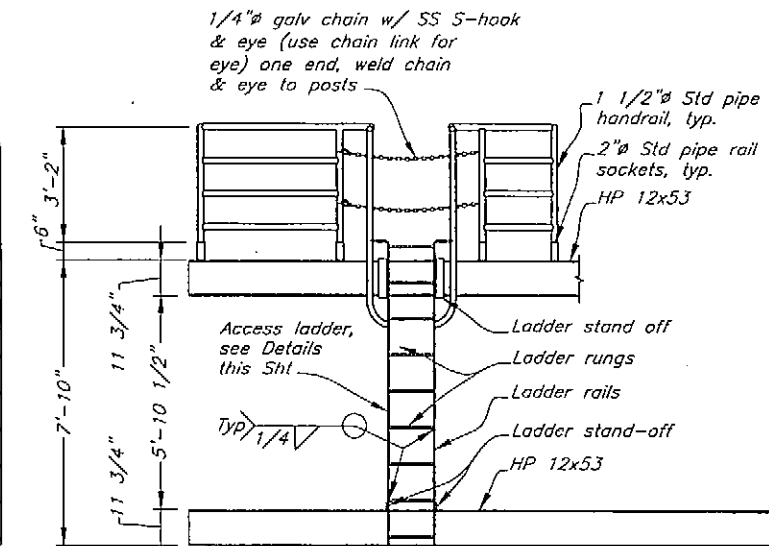
Detail Access Ladder Bracket



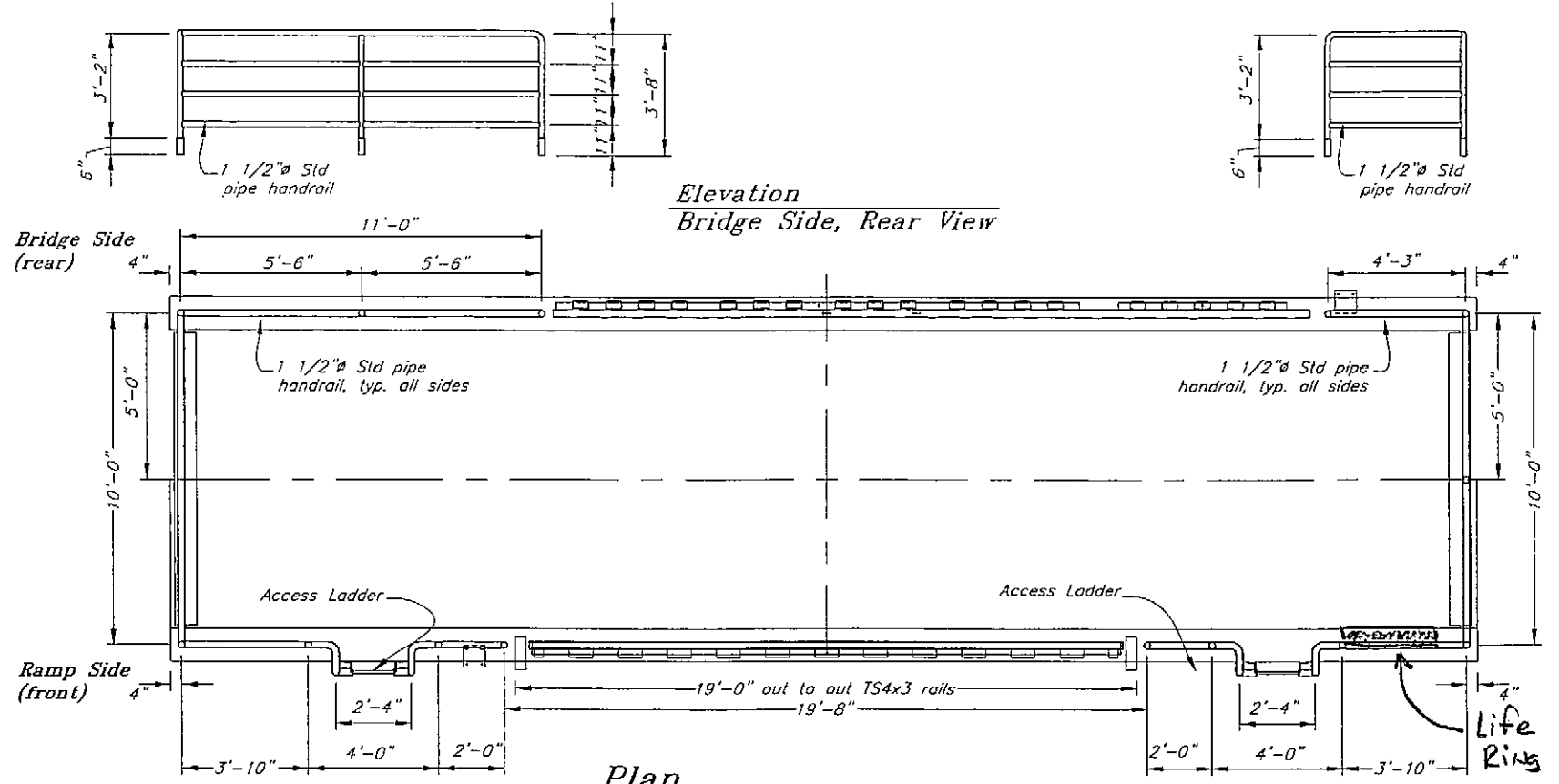
Detail Access Ladder



Elevation Seaward Side View



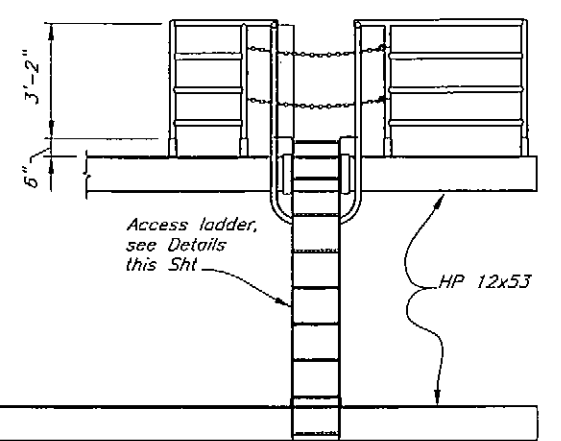
Elevation Ramp Side, Front View



Plan Platform Handrail

Elevation Bridge Side, Rear View

AS-BUILT
11-14-06 *YLM*



Elevation Ramp Side, Front View

Details Platform Handrail

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: B. Nelson

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

South Mitkof Ferry Terminal

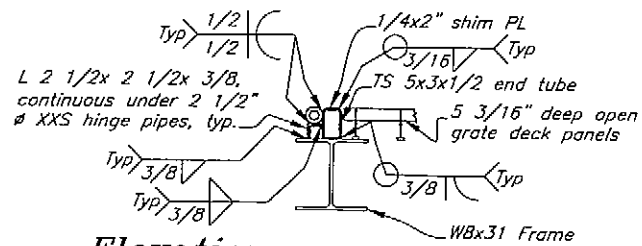
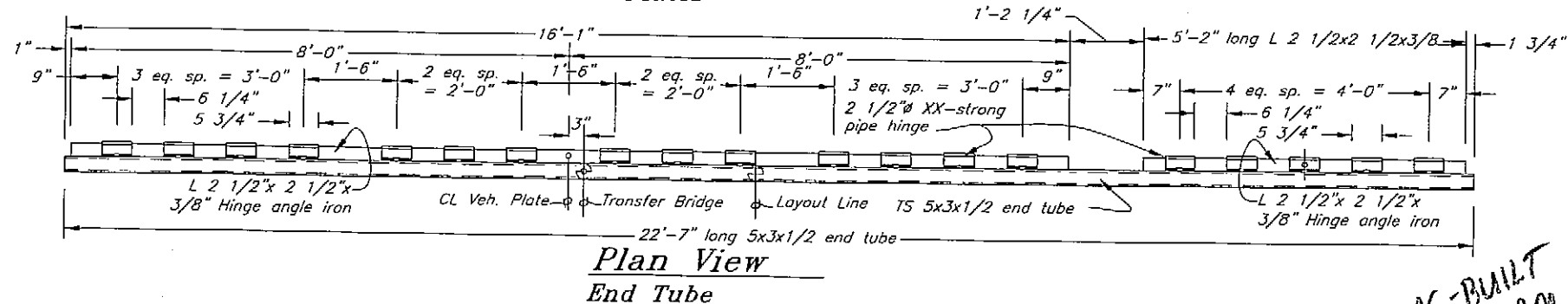
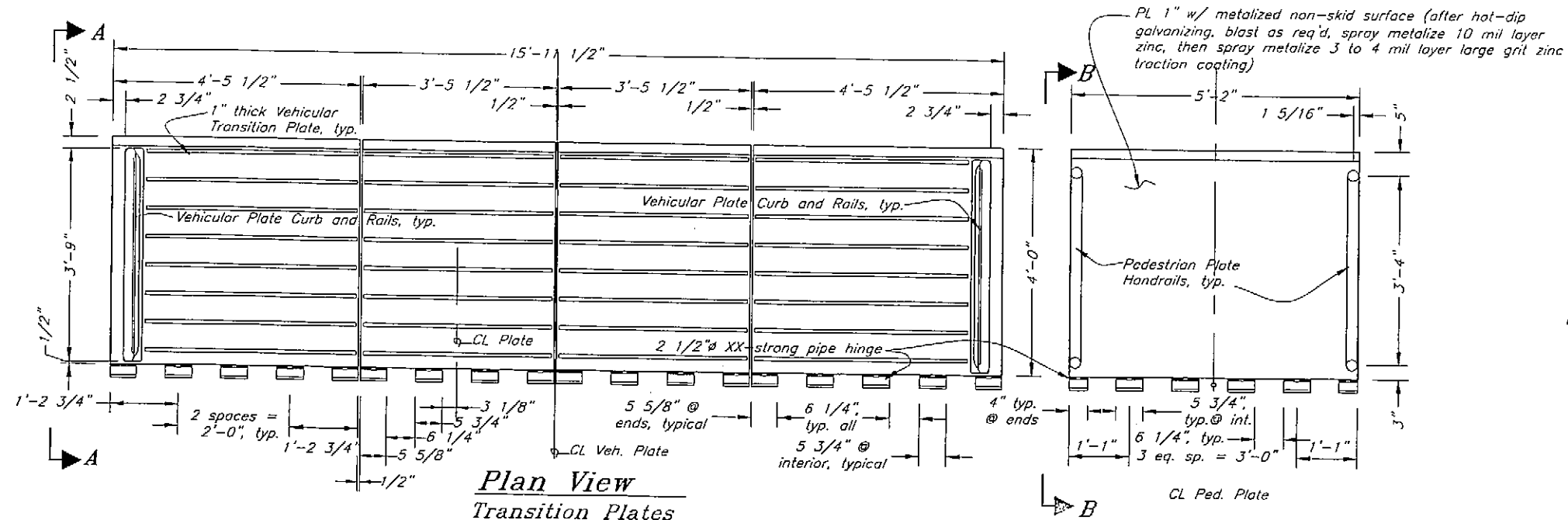
Platform Handrail Details

CHECKED BY: J. Scott
DRAWN BY: B. Nelson, T. Mores

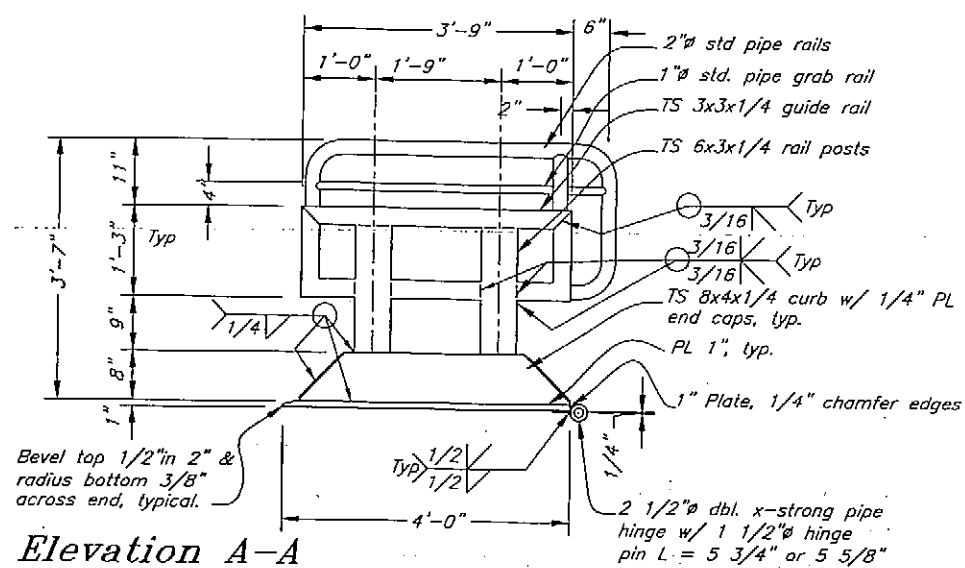
PATH: Q:\Psg\67833\MF\PlanSet\054 Ped Platform Handrail Dlls.dwg
PLOT: PSPACE 1=1

Mon, 04/Apr/05 10:40AM

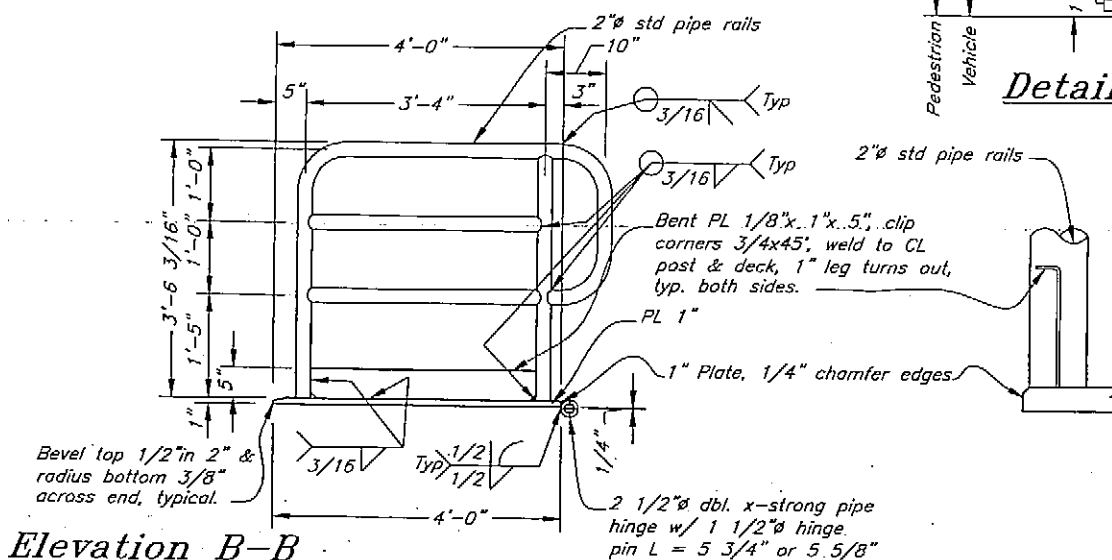
REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			67833	2005	54	96



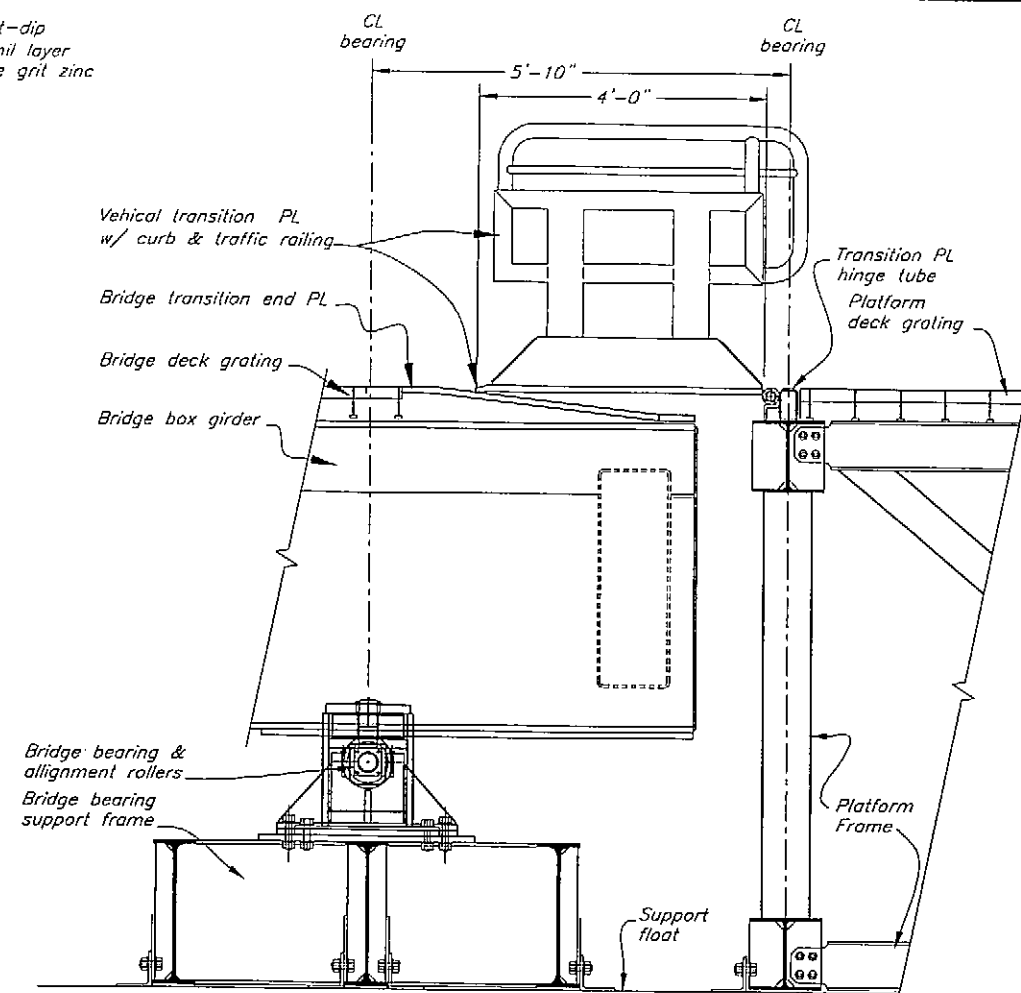
Elevation Hinge Tube Attachment



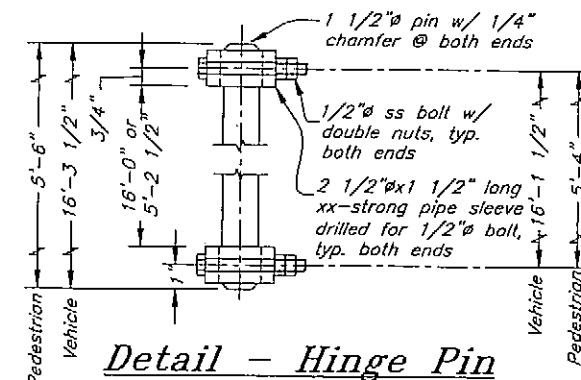
Elevation A-A Vehicle Transition PL w/ Curb & Railing



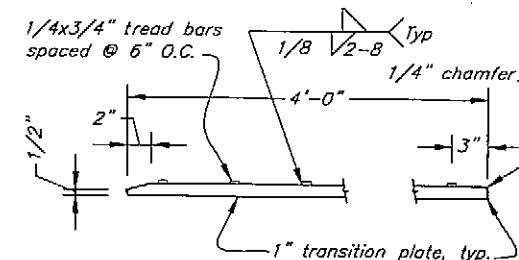
Elevation B-B Pedestrian Transition PL w/ Kick PL & Railing



Elevation Vehicle Transition



Detail - Hinge Pin



Detail - Tread Bars

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: B. Nelson

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

South Mitkof Ferry Terminal

Platform Transition to Bridge

CHECKED BY: J. Scott
DRAWN BY: B. Nelson, T. Mores
PATH: Q:\Psp\67833\MF\Plans\055 Ped Platform - Bridge Transition.dwg
PLOT: PSPACE 1=1

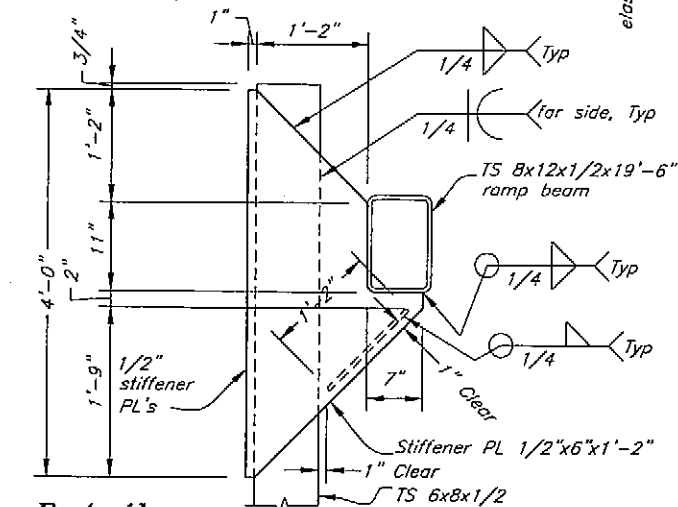
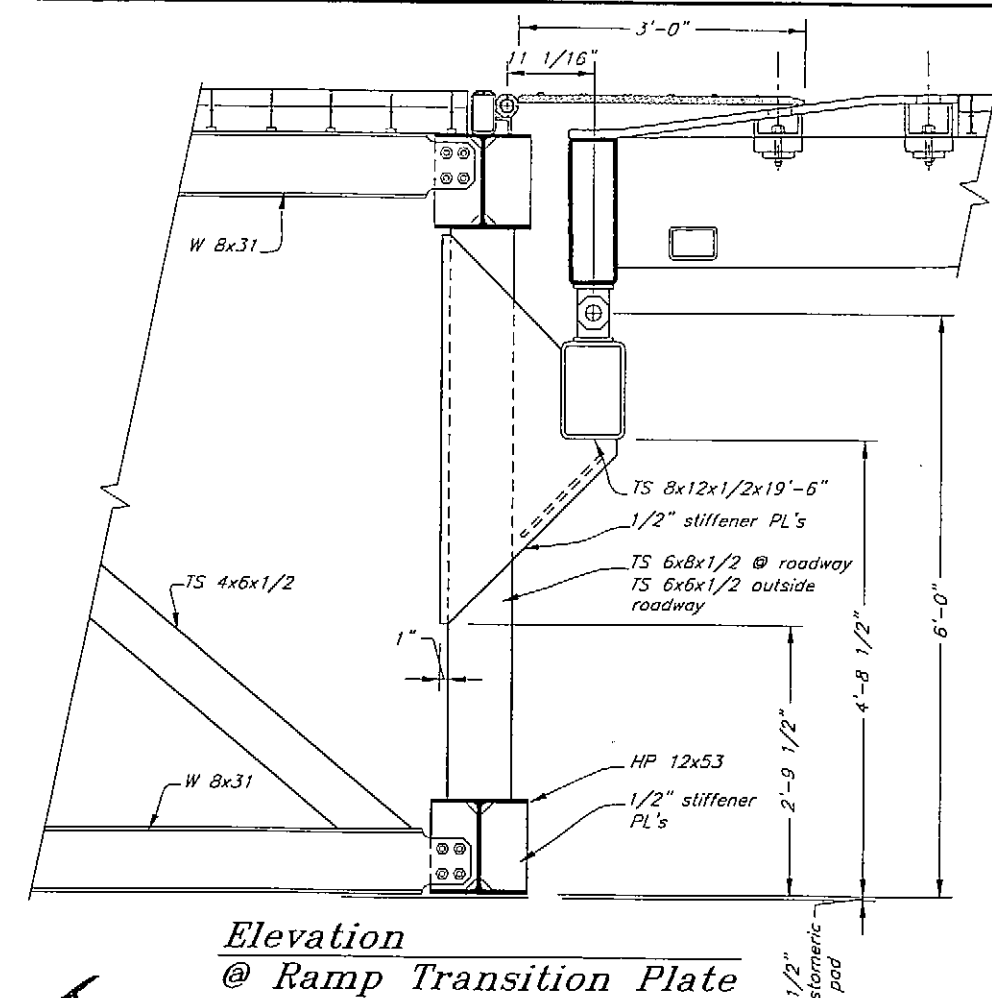
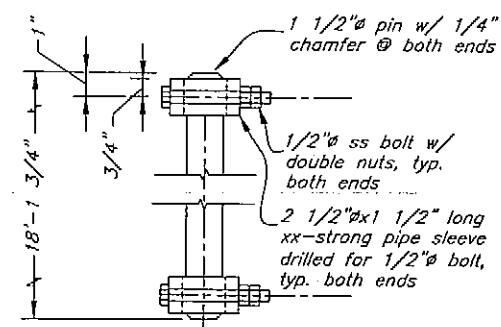
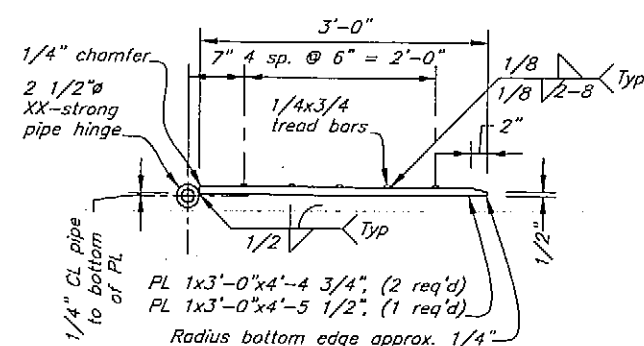
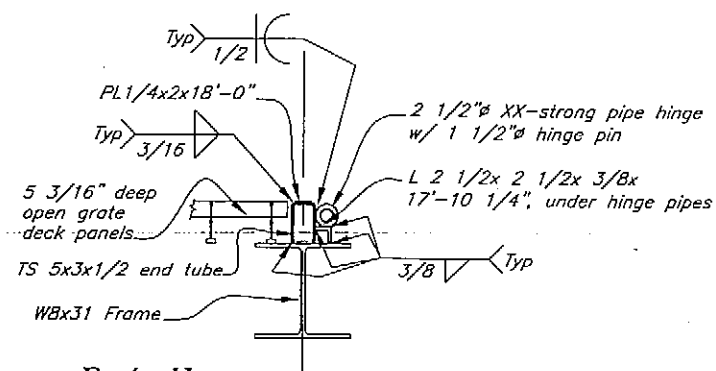
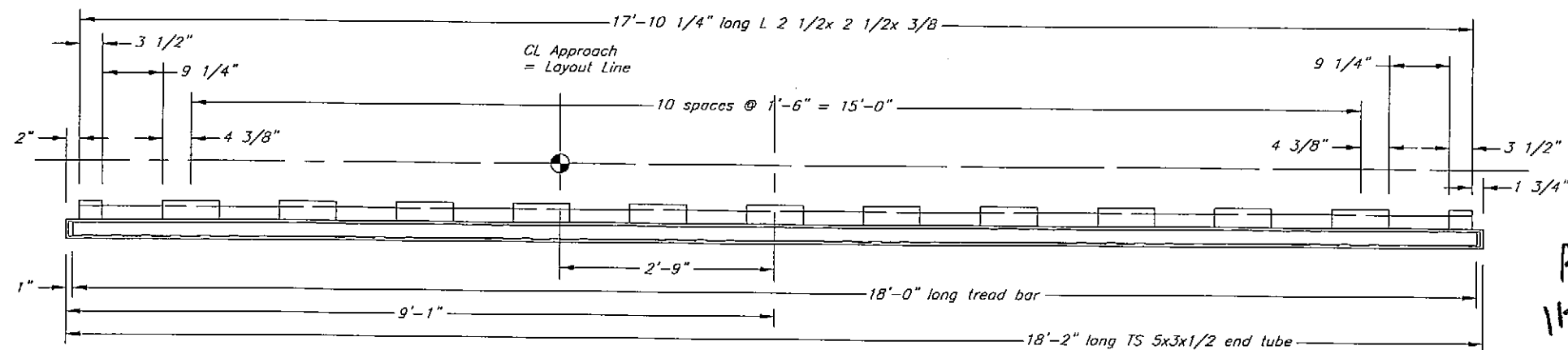
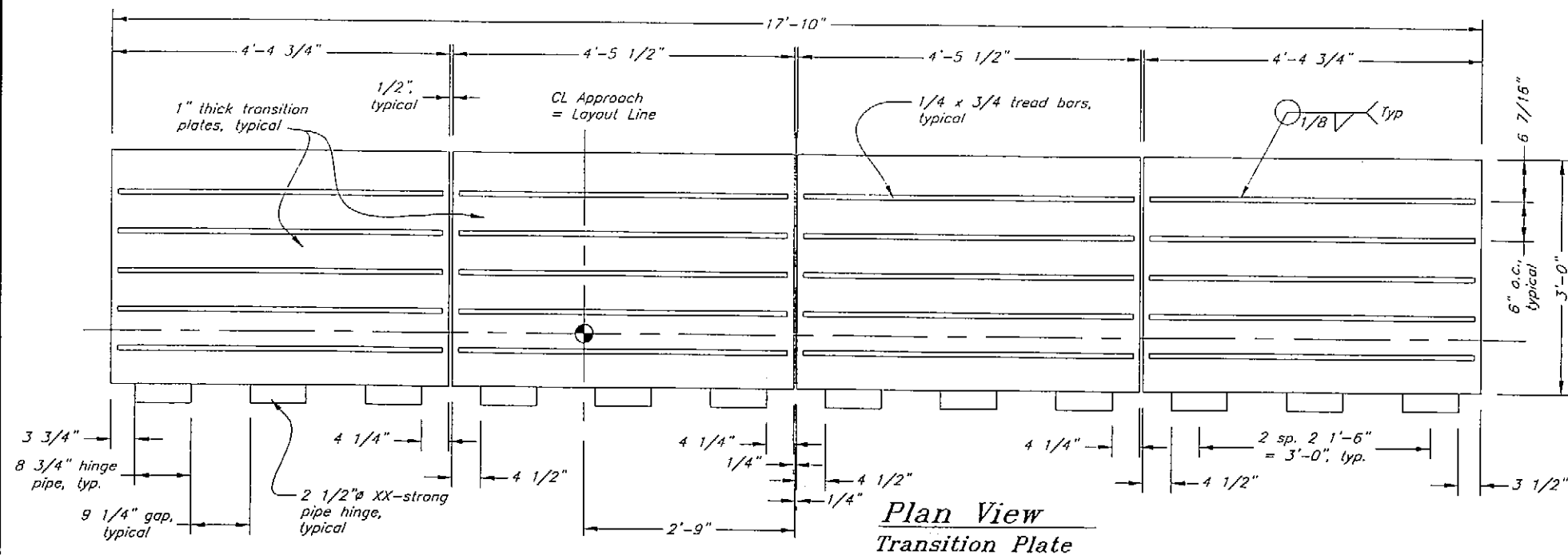
4/25/05

PROJECT DESIGNATION: 67833
YEAR: 2005
SHEET NO.: 55
TOTAL SHEETS: 96

REVISIONS

NO.	DATE	DESCRIPTION

Due, 26/Apr/05 10:21AM



3/4"
AS-BUILT
11-14-06 YLM

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: *B. Nelson*

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

South Mitkof Ferry Terminal

Platform Transition to Ramp

CHECKED BY: J. Scott

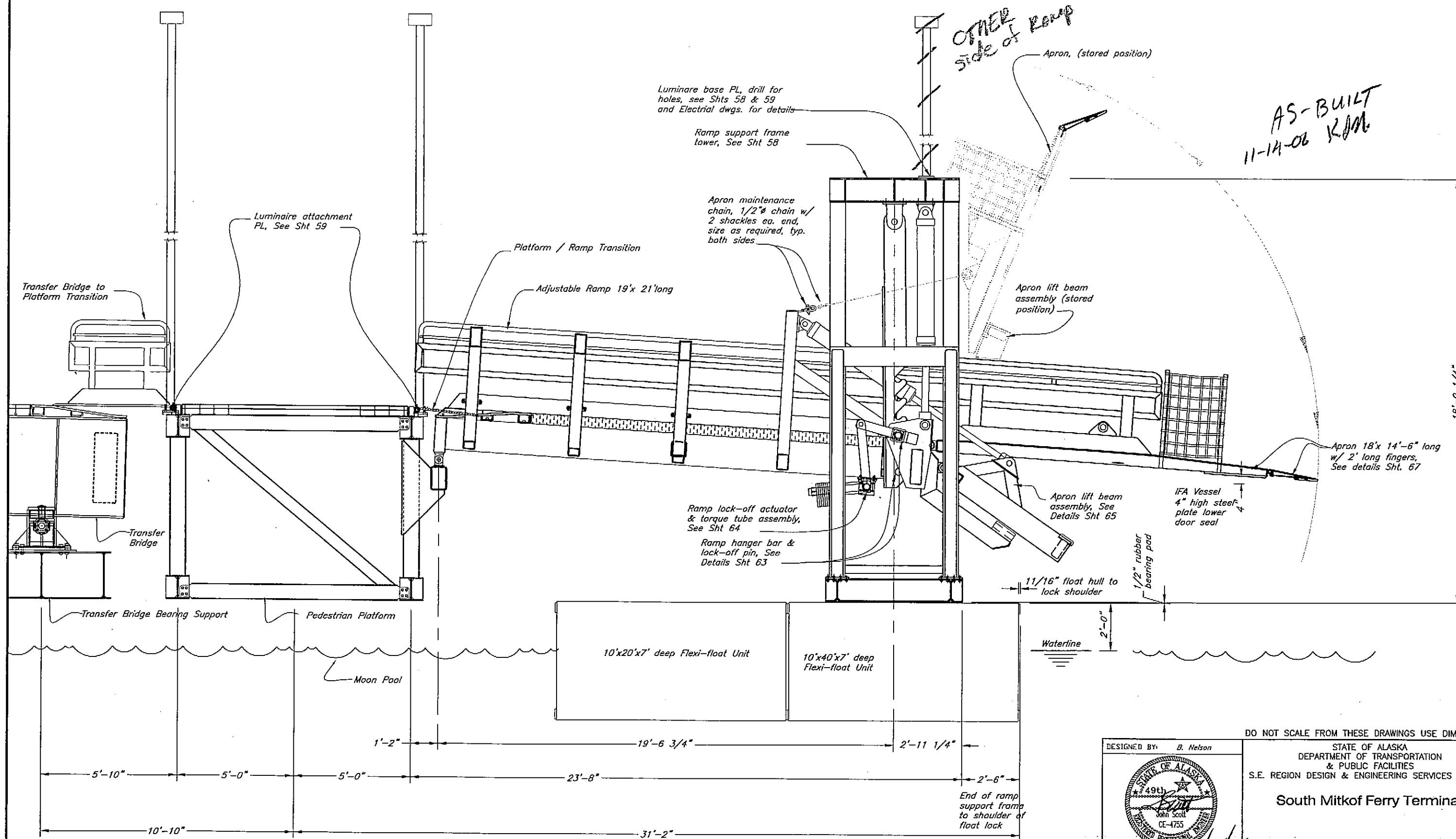
DRAWN BY: *B. Nelson*

PATH: 0:|Psa|67833|MF|Plasnet|056 Red Platform -- Ramp Transition dwg

PLOT: PSPACE 1=1 TAB: DETAIL

Mon. 04/Apr/05 10:27AM

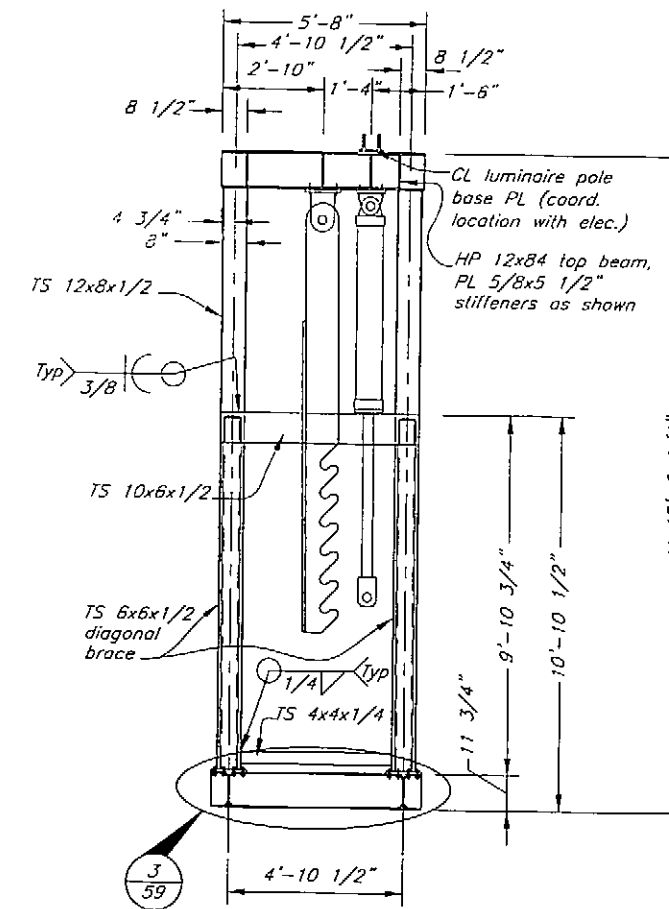
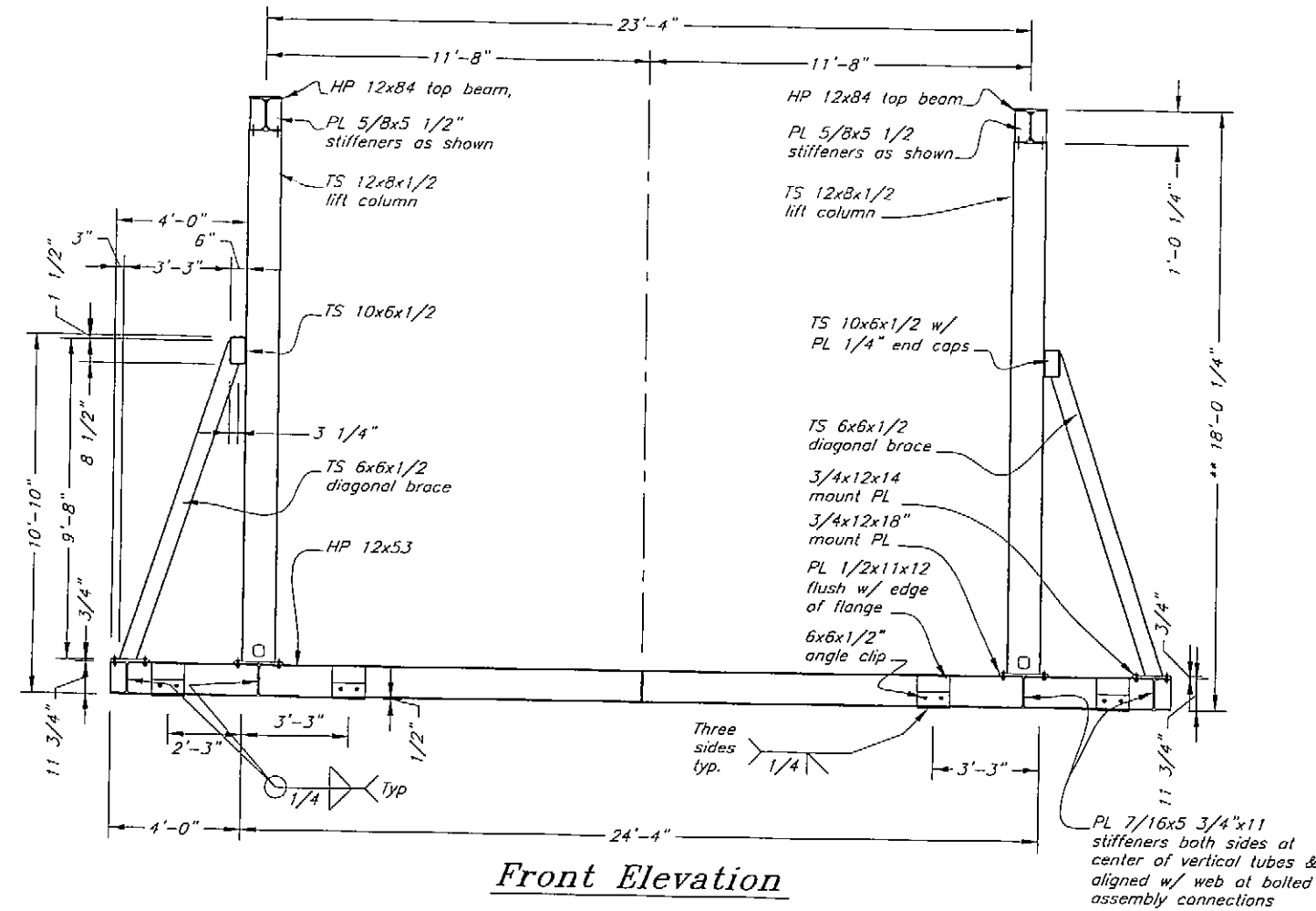
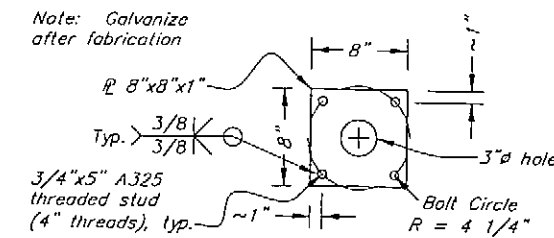
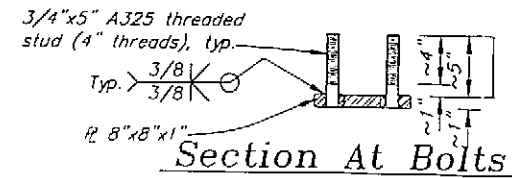
REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			67833	2005	56	96



AS-BUILT
11-14-06 R.M.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

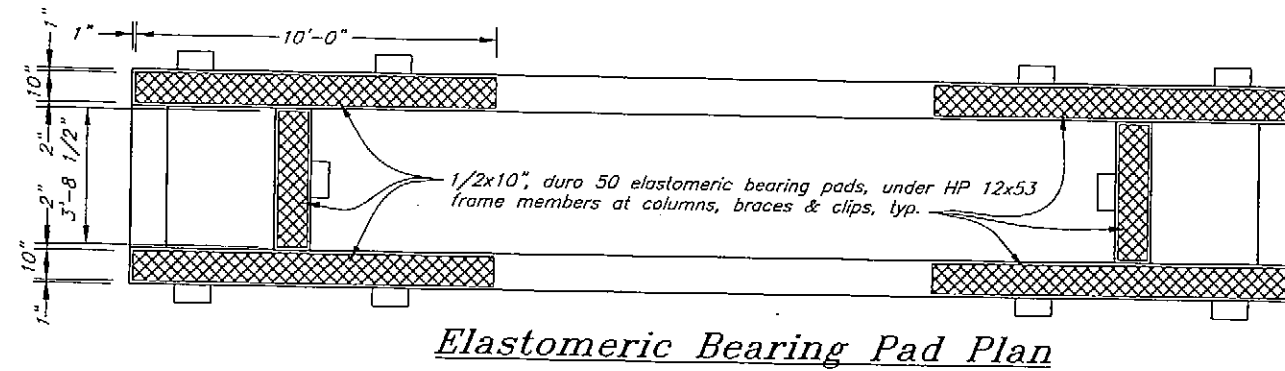
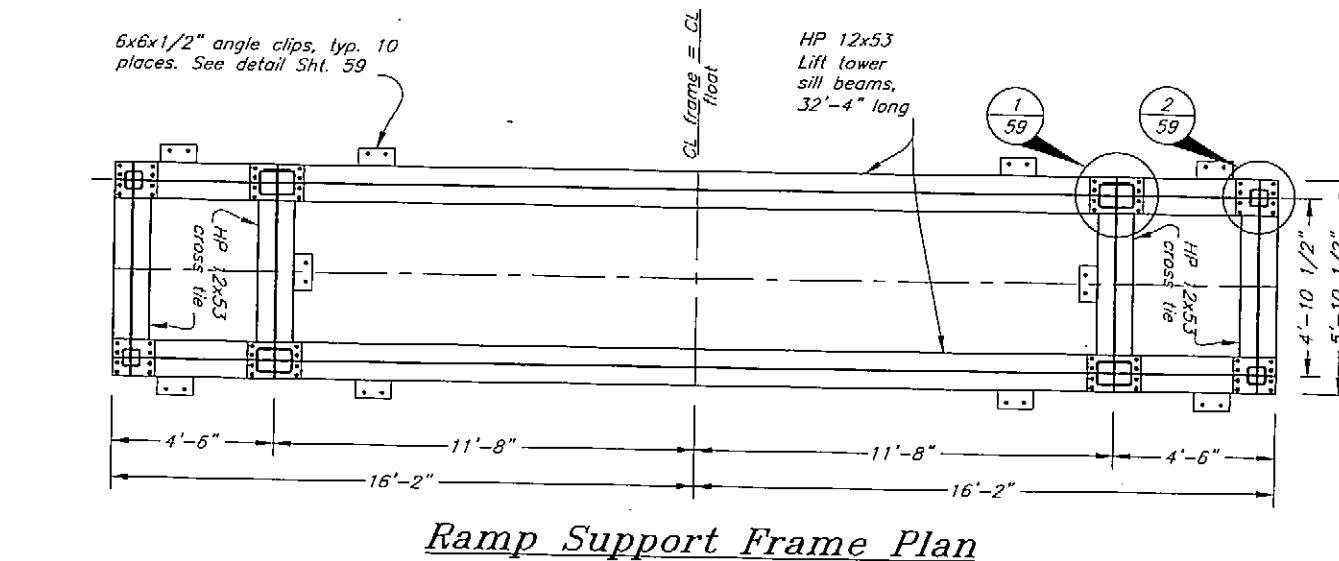
DESIGNED BY: B. Nelson		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION	
		South Mitkof Ferry Terminal	
CHECKED BY: J. Scott		Ramp & Apron Elevation	
DRAWN BY: Staff			
PATH: G:\P59\67833\WF\PlanSet\057 Ramp Apron Elev.dwg			
PLOT: PSPACE 1=1			
TUE, 28/APR/05 12:36PM			
REVISIONS		PROJECT DESIGNATION	YEAR
NO.	DATE	DESCRIPTION	SHEET NO.
			67833
			2005
			57
			96



AS-BUILT
11-14-06 RJA

NOTE: All frame sub-assemblies: hinge end frame, side frames, tower sill frame & lower frames shall be hot-dip galvanized after fabrication & prior to final assembly.

NOTE:
** Dimensions are based on PURAKAL Hydraulic Cylinders (8" dia. bore x 54" stroke, 3 1/2" dia. rod) with swivel mount and pivot rod eye by Manufacturer. The cylinder supplied may vary, but the ramp lift tower height, hanger bar, hanger bracket height and/or swivel mount height MUST be adjusted accordingly.



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: B. Nelson

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

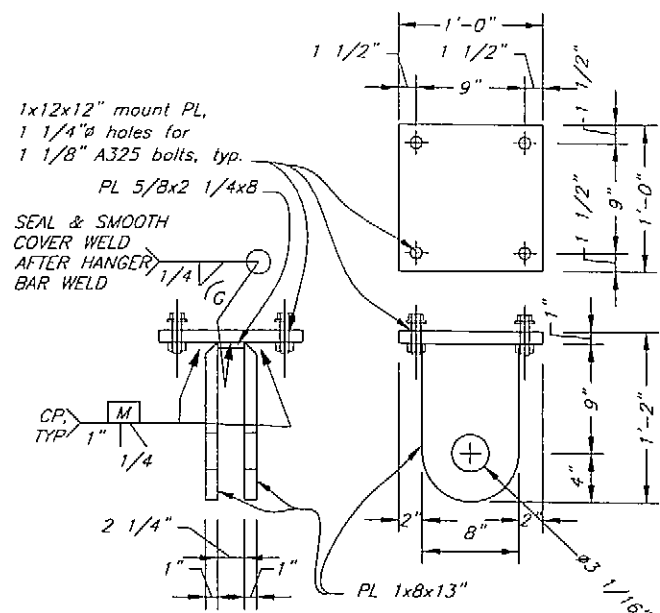
South Mitkof Ferry Terminal

Ramp Frame Details 1

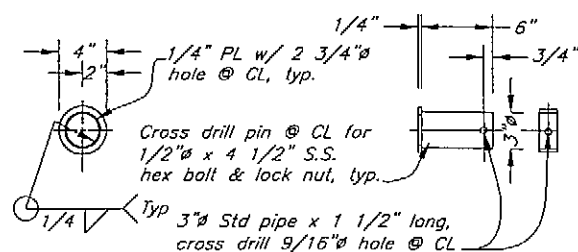
CHECKED BY: J. Boedie
DRAWN BY: B. Nelson, J. Mores

PATH: C:\Program Files\Autodesk\AutoCAD 2005\Drawings\67833\058 Ramp Frame Dets 1.dwg
PLOT: PSPACE 1=1

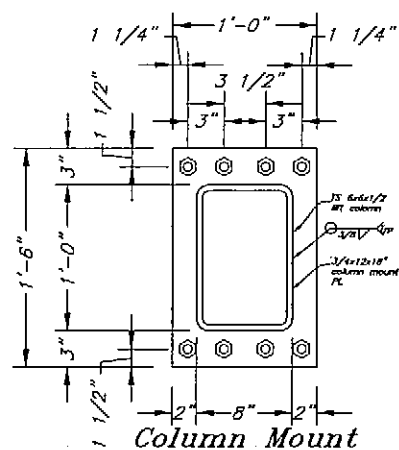
NO.	DATE	REVISIONS DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			67833	2005	58	96



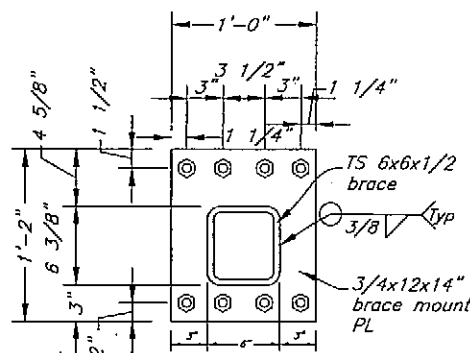
Hanger Bar Bracket



**Detail
Hanger Bar Pin**



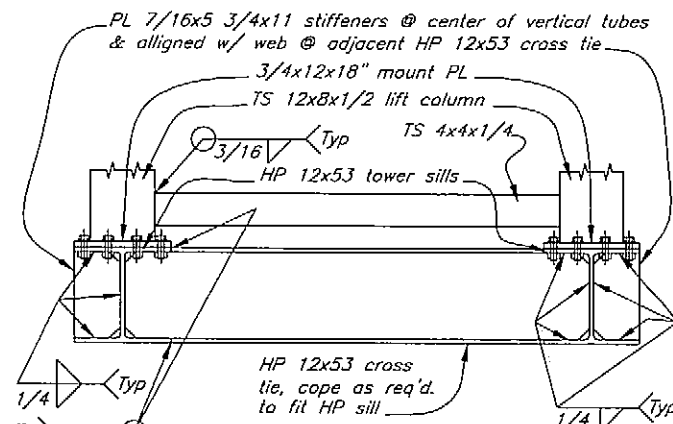
Column Mount



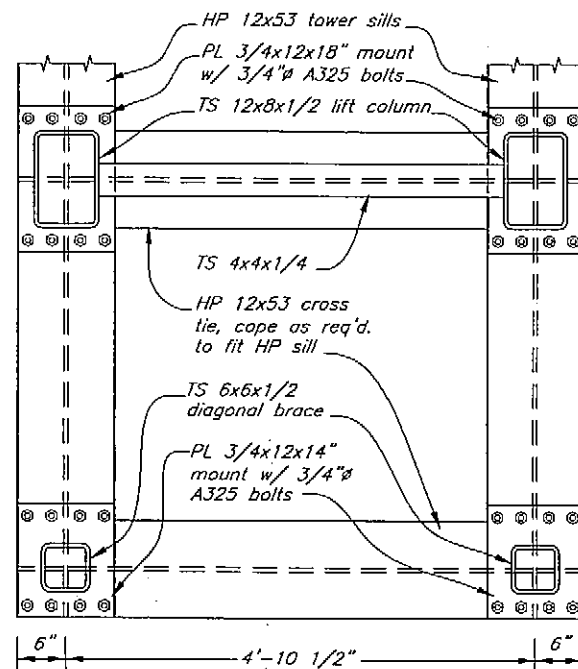
Brace Mount

Plate Details

NOTE:
** Dimensions are based on PURAKAL Hydraulic Cylinders (8" dia. bore x 54" stroke, 3 1/2" dia. rod) with swivel mount and pivot rod eye by Manufacturer. The cylinder supplied may vary, but the ramp lift tower height, hanger bar, hanger bracket height and/or swivel mount height MUST be adjusted accordingly.

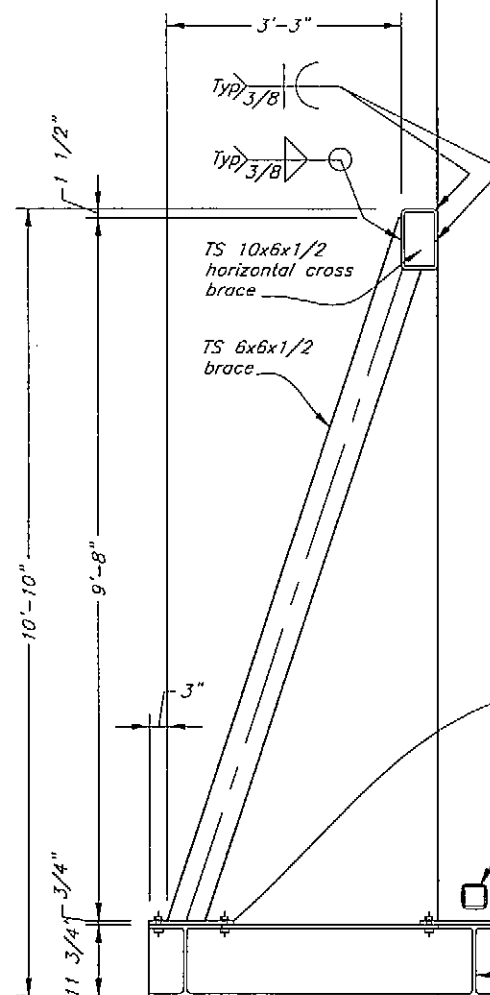


**Sill Assembly Detail,
Seaward End**

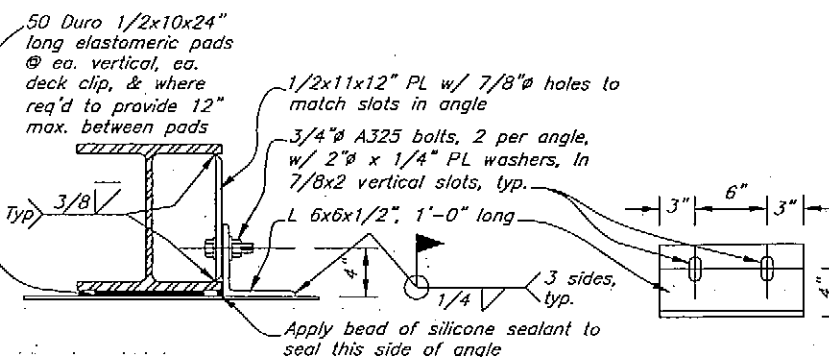


Sill Details

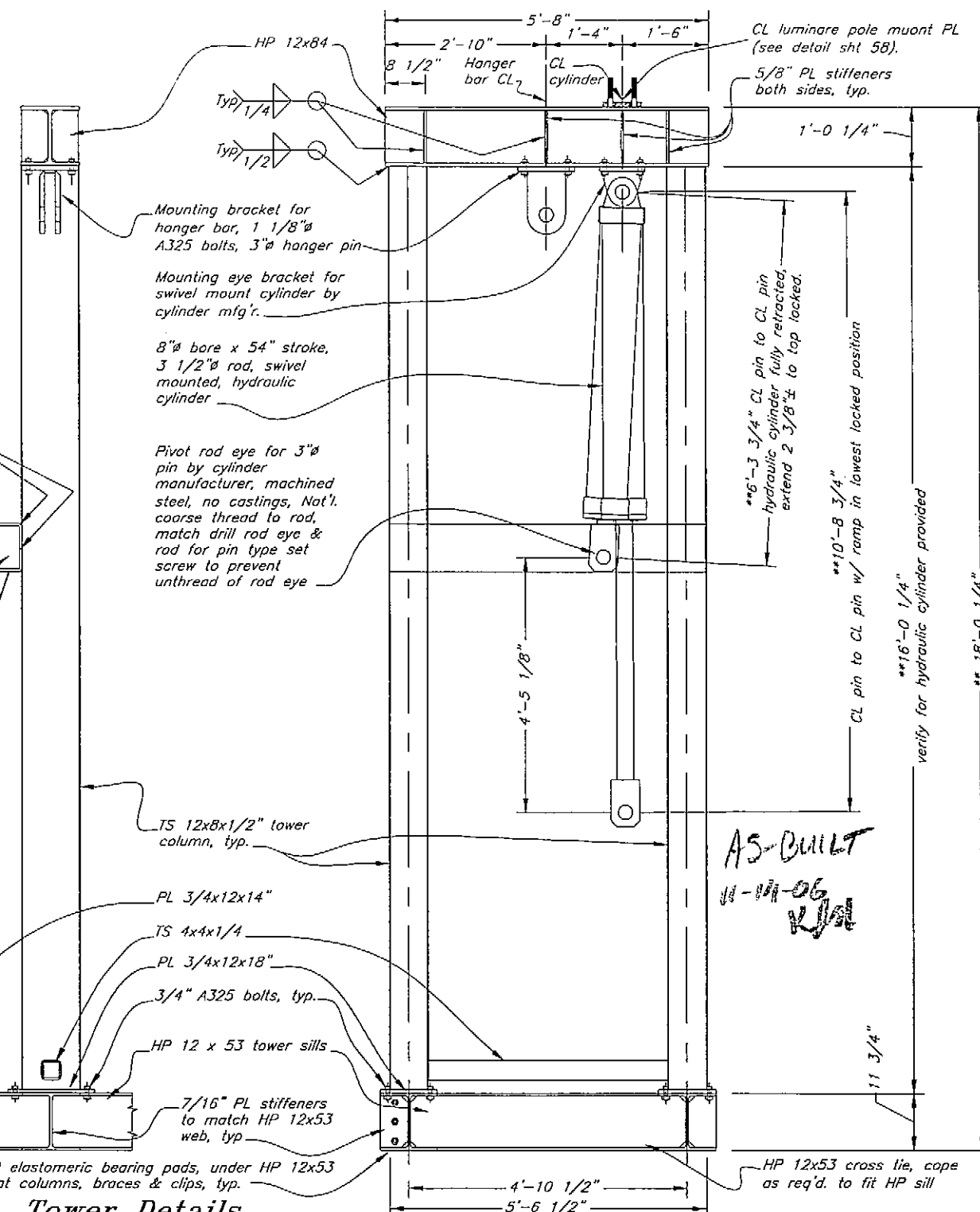
Ramp Support Frame



**Tower Details
Ramp Support Frame**



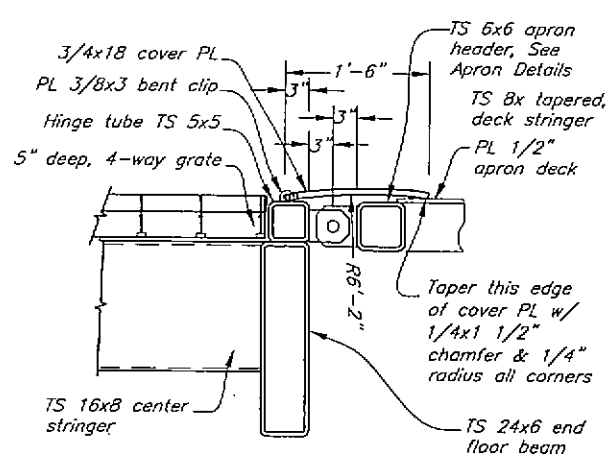
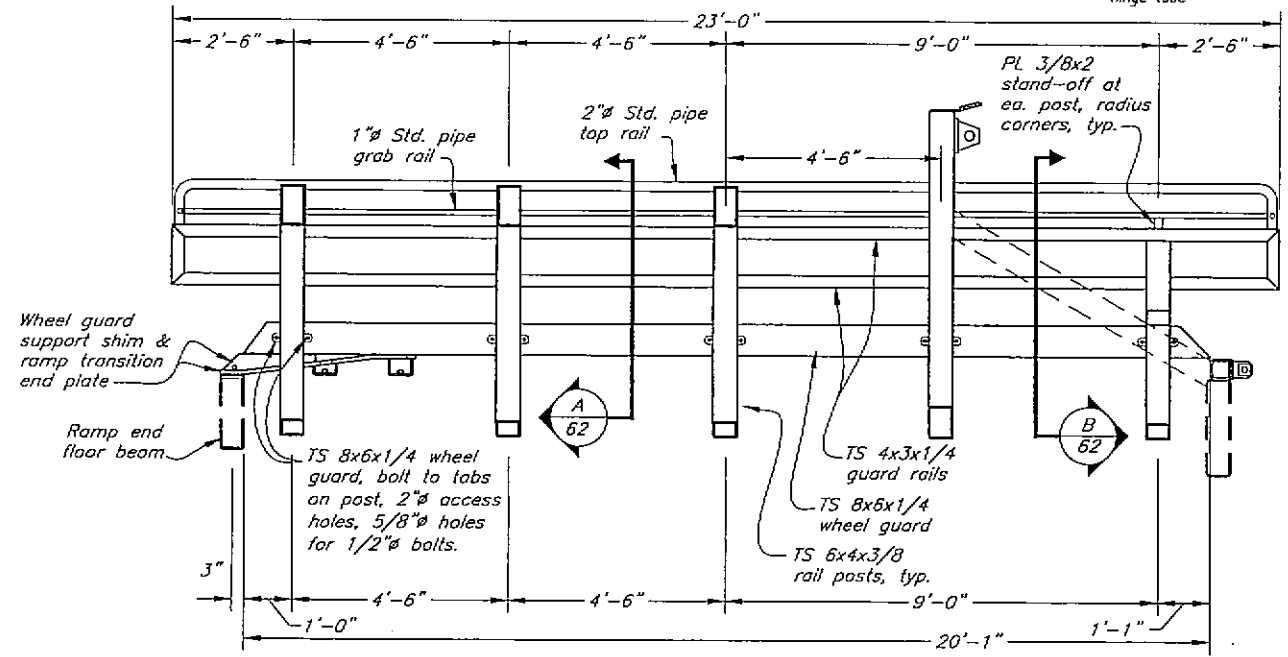
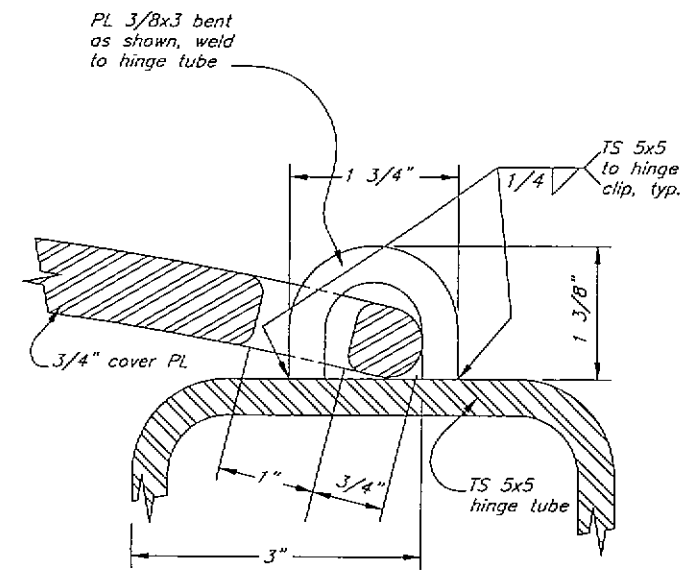
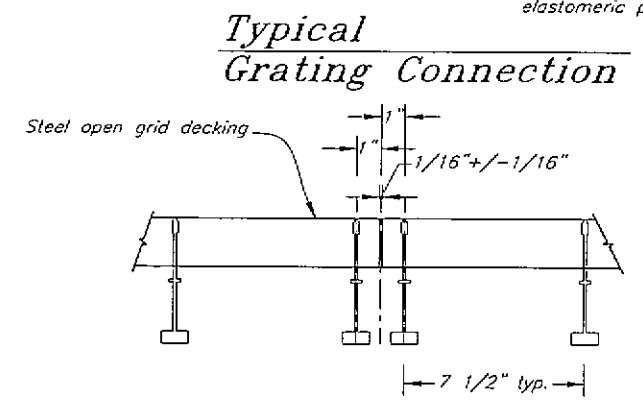
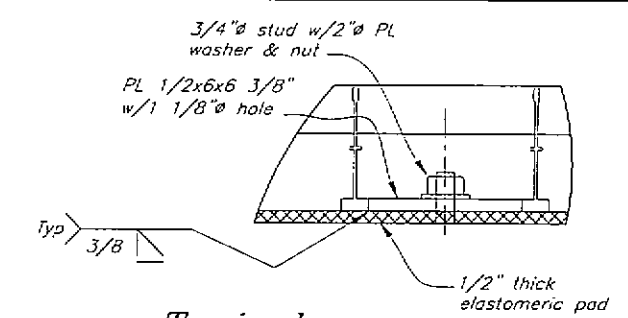
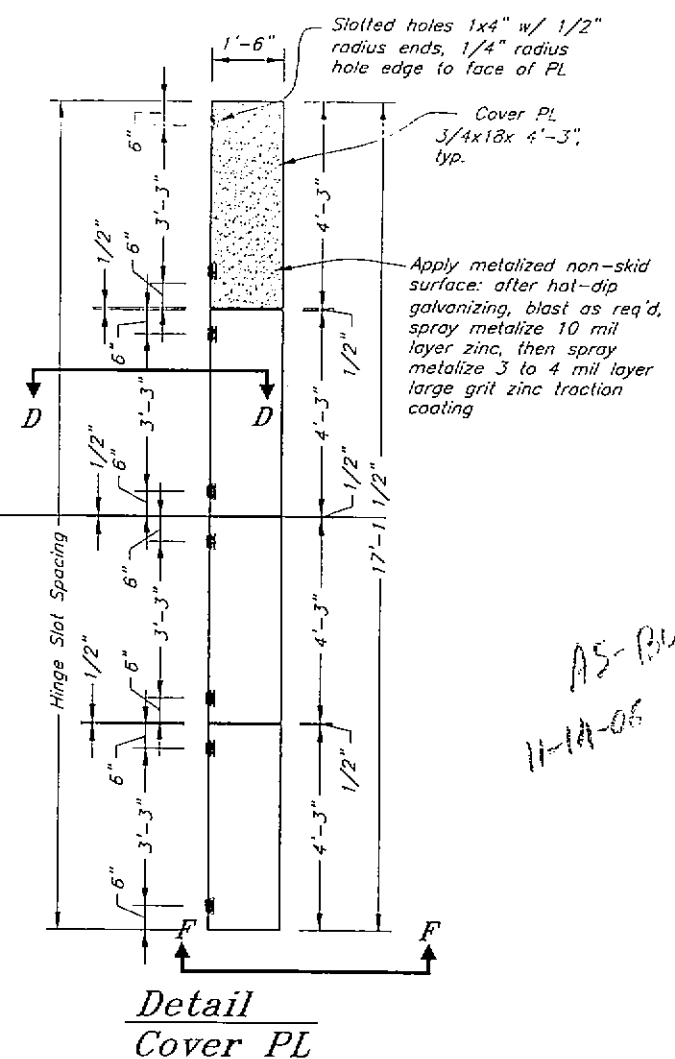
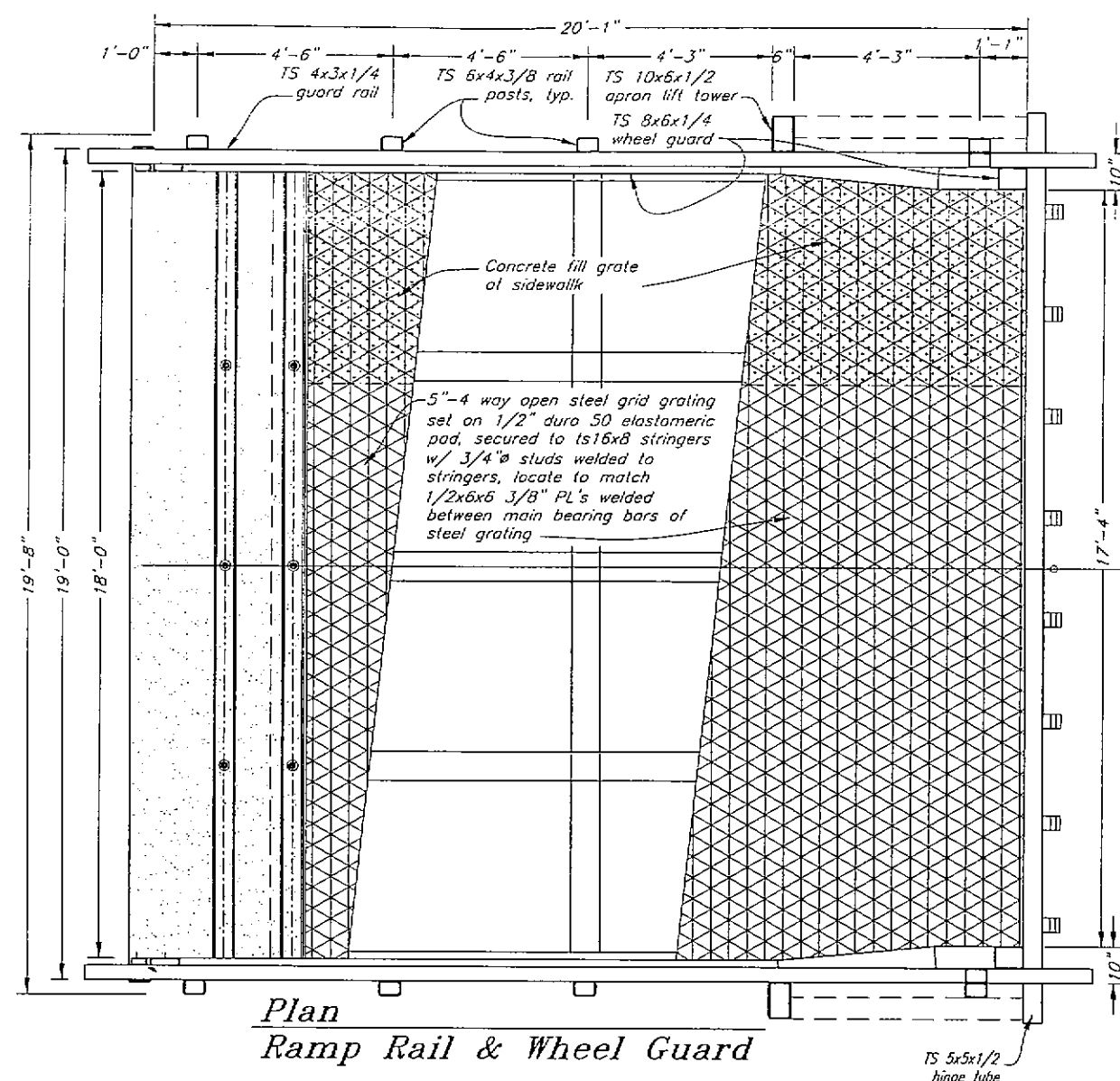
Clip Detail



AS-BUILT
11-11-06
KJA

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

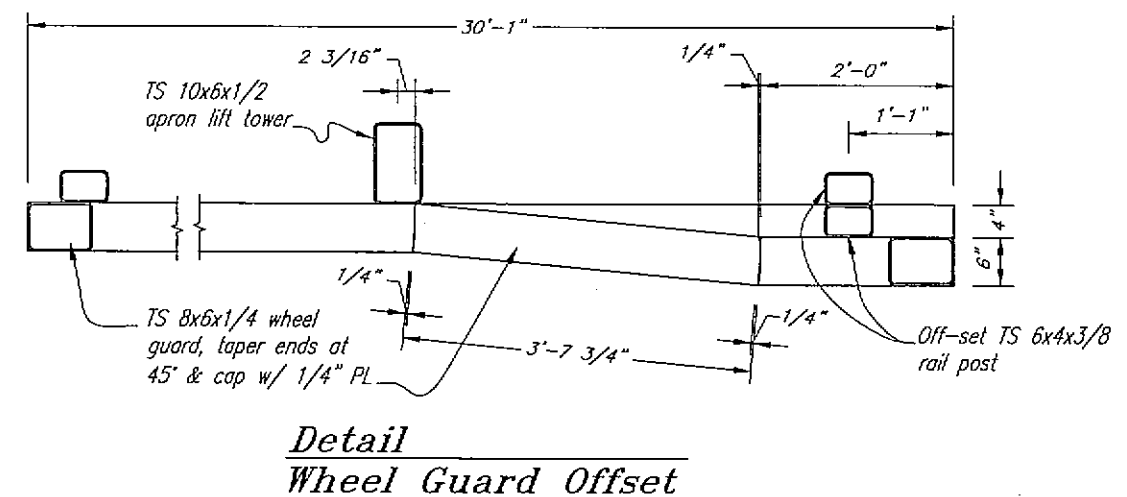
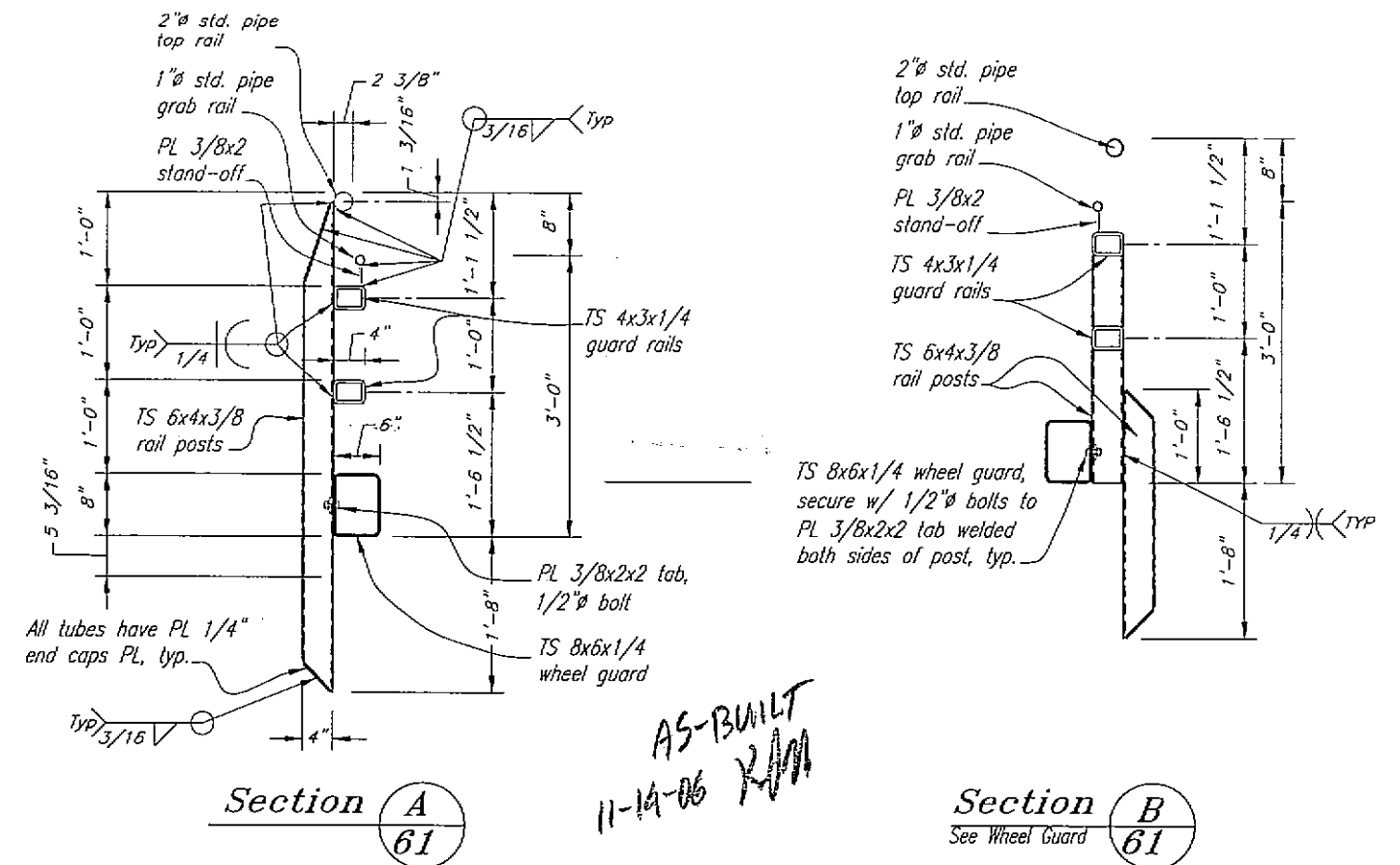
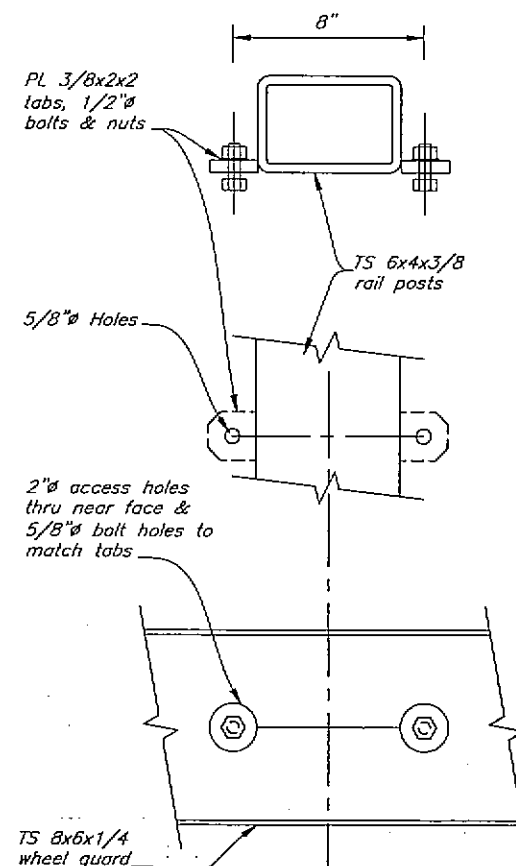
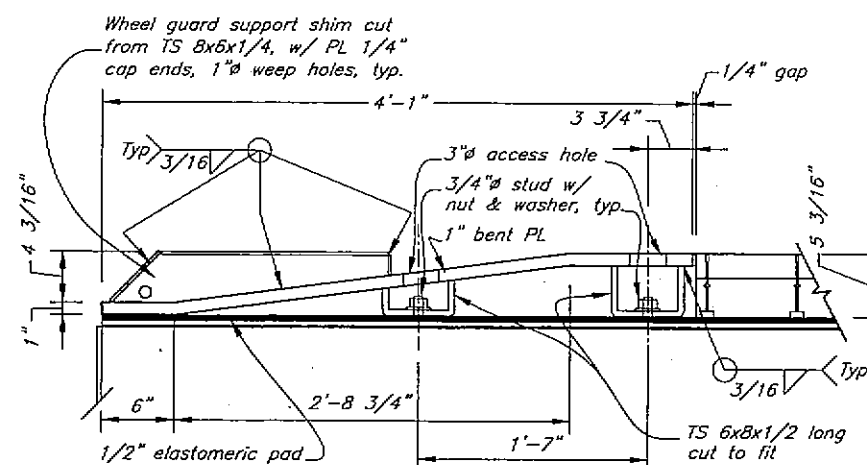
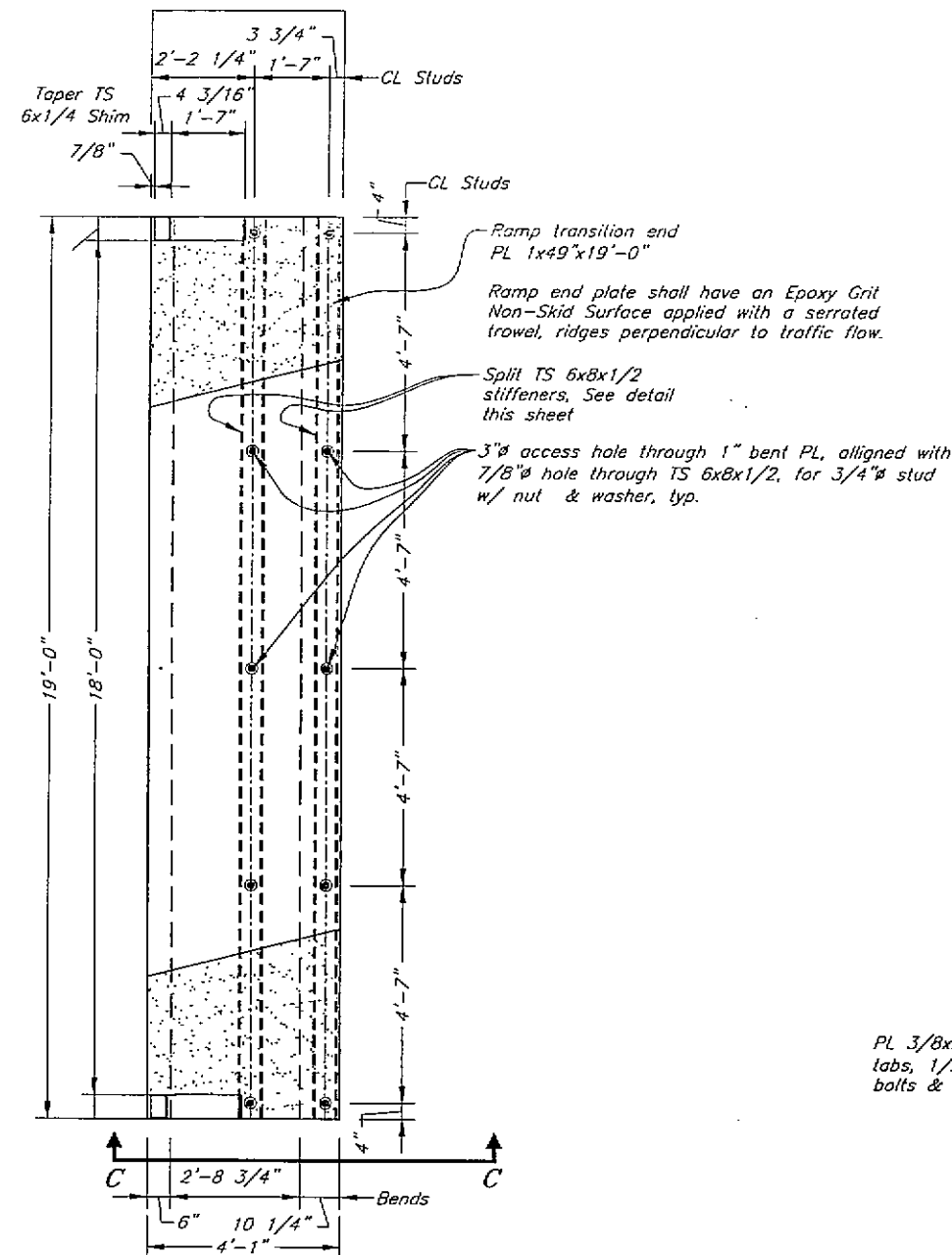
DESIGNED BY: B. Nelson		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION	
CHECKED BY: B. Savikko		South Mitkof Ferry Terminal	
DRAWN BY: B. Nelson		Ramp Frame Details 2	
PATH: 01\Fog\67833\W\B\AS Ramp Frame Details 2.dwg		Tue, 25/Apr/05 10:17AM	
PLOT: PSPACE 1=1		Tab: Layout1	
NO.	DATE	REVISIONS DESCRIPTION	PROJECT DESIGNATION 67833
			YEAR 2005
			SHEET NO. 59
			TOTAL SHEETS 96



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: B. Nelson		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION																			
		South Mitkof Ferry Terminal																			
CHECKED BY: J. Beedle		Ramp Details 2																			
DRAWN BY: B. Nelson, T. Mores																					
PATH: Q:\Psp\67833\MP\Plan\061 Ramp Details 2.dwg																					
PLOT: PSPACE 1=1		Man, 04/05/05 12:08PM																			
<table border="1"> <thead> <tr> <th colspan="2">REVISIONS</th> <th rowspan="2">PROJECT DESIGNATION</th> <th rowspan="2">YEAR</th> <th rowspan="2">SHEET NO.</th> <th rowspan="2">TOTAL SHEETS</th> </tr> <tr> <th>NO.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td rowspan="2">67833</td> <td rowspan="2">2005</td> <td rowspan="2">61</td> <td rowspan="2">96</td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>		REVISIONS		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS	NO.	DATE			67833	2005	61	96						
REVISIONS		PROJECT DESIGNATION	YEAR					SHEET NO.	TOTAL SHEETS												
NO.	DATE																				
		67833	2005	61	96																

NOTE: all grating, wheel guards, rails, posts and transition plates shall be hot-dip galvanized after fabrication.



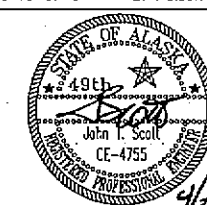
NOTE: All Grating, Wheel Guards, Rails, Posts and Transition Plates Shall Be Hot-Dip Galvanized After Fabrication.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

South Mitkof Ferry Terminal

Ramp Details 3

DESIGNED BY: *B. Nelson*

CHECKED BY: J. Scott

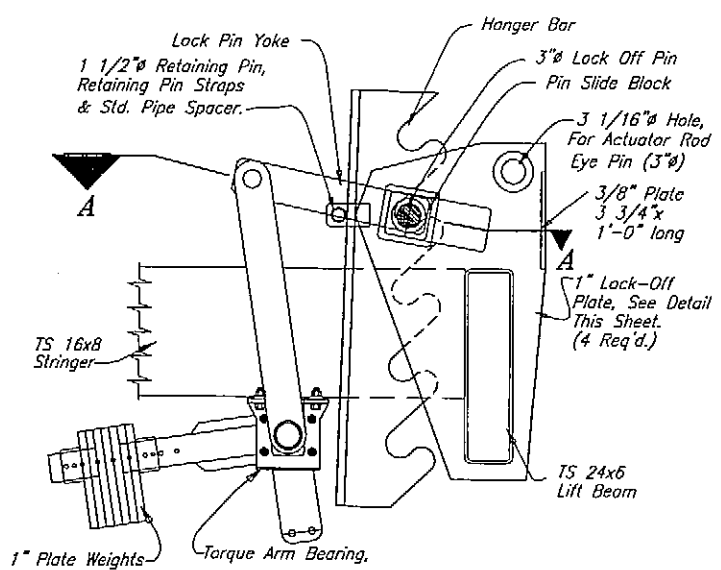
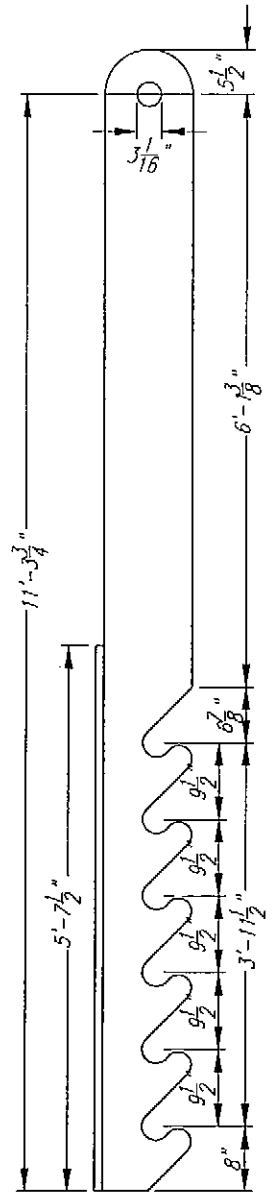
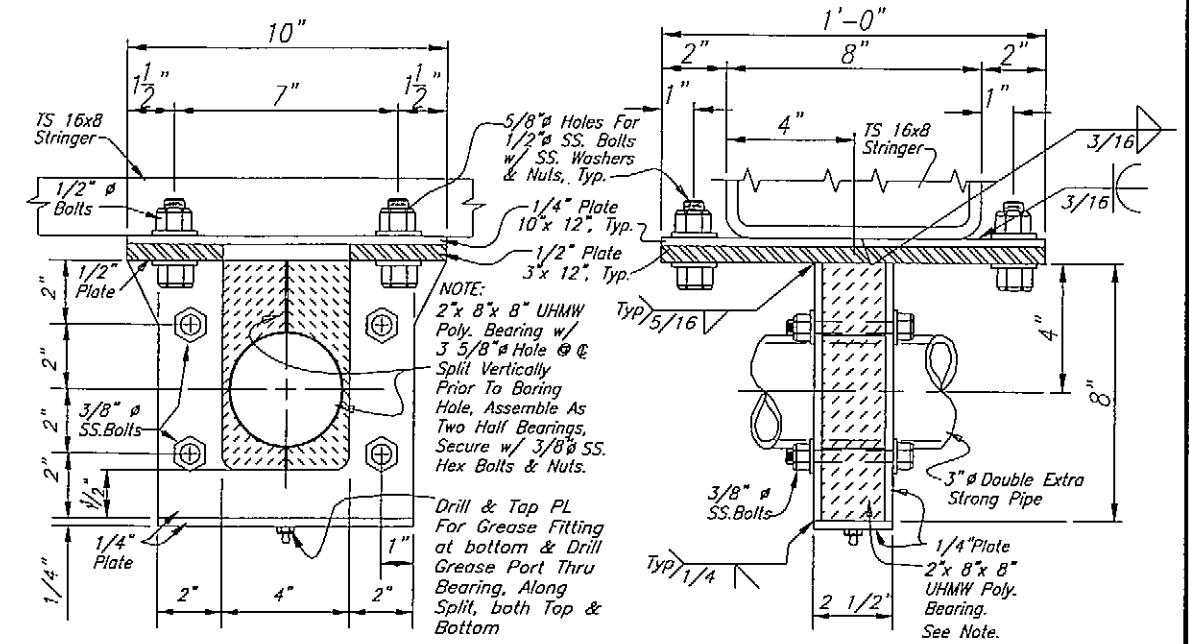
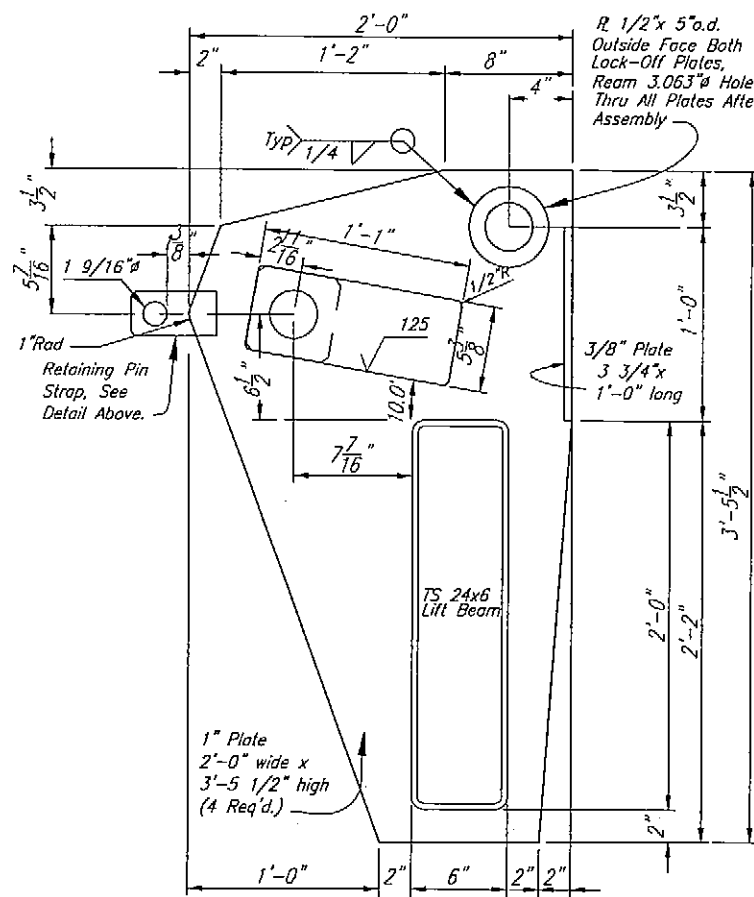
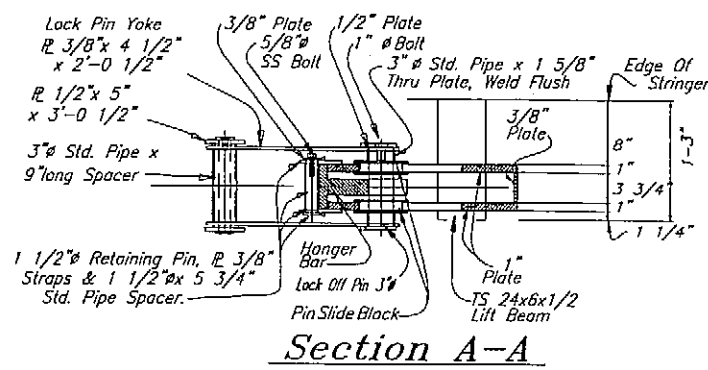
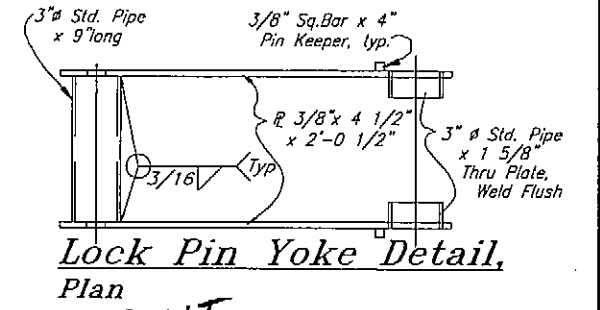
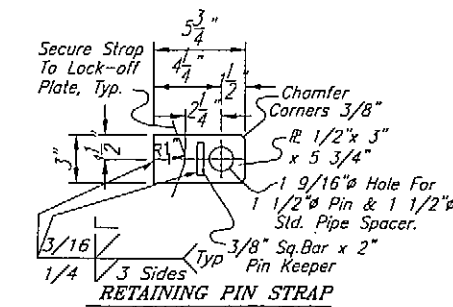
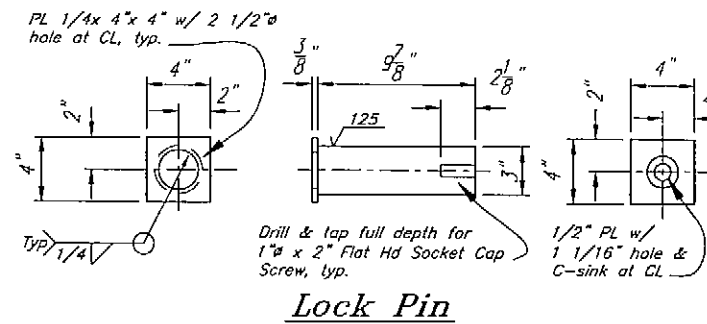
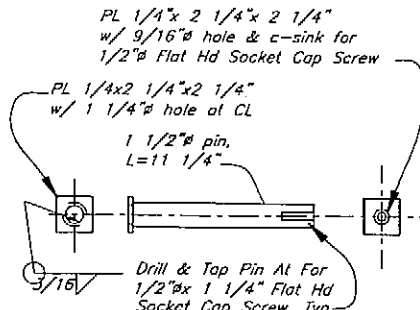
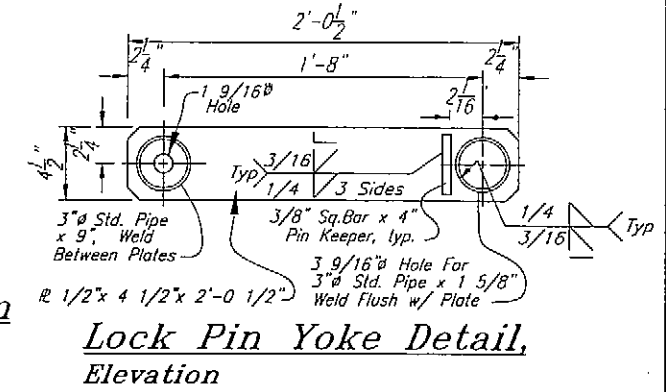
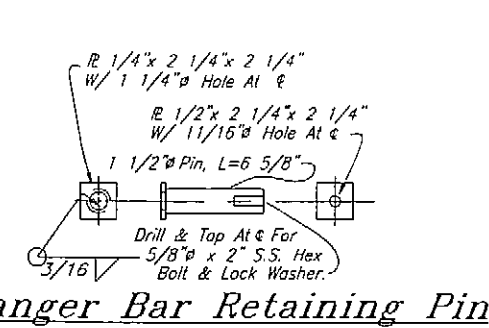
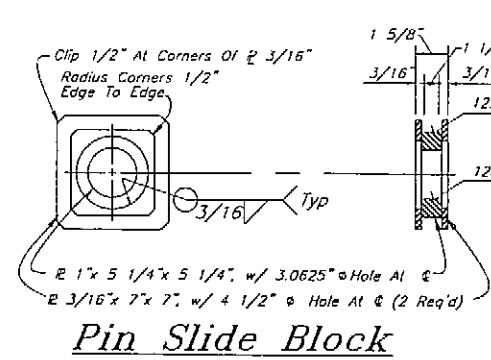
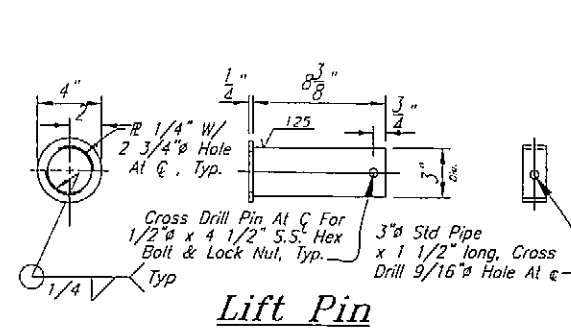
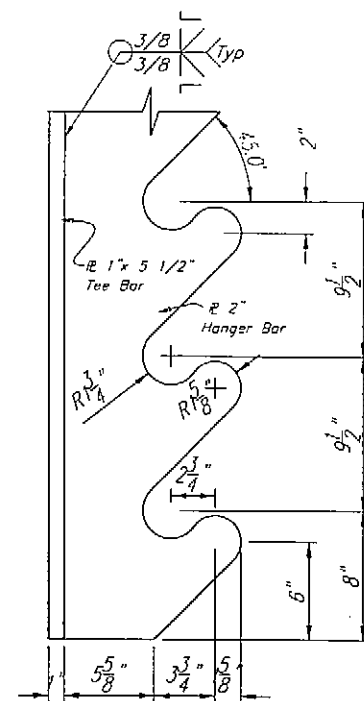
DRAWN BY: *B. Nelson*

PATH: G:\Reg\52711\451 Stanzell\062 fm Rome Details Exch

PLOT: PSPACE 1=1

Tue: 25/Apr/05 11:21AM

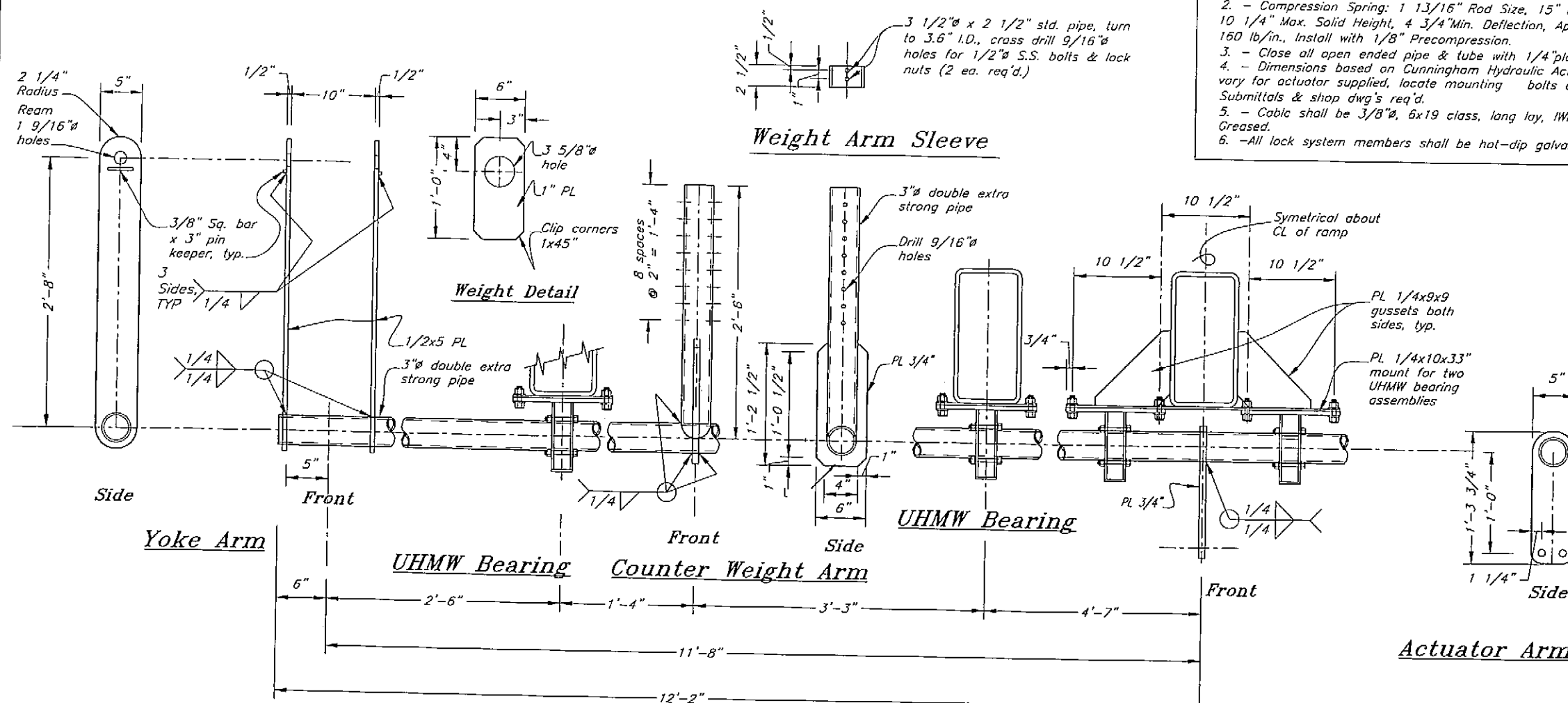
REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			67833	2005	62	96



NOTE: All Lock System Members Shall Be Hot-Dip Galvanized After Fabrication.

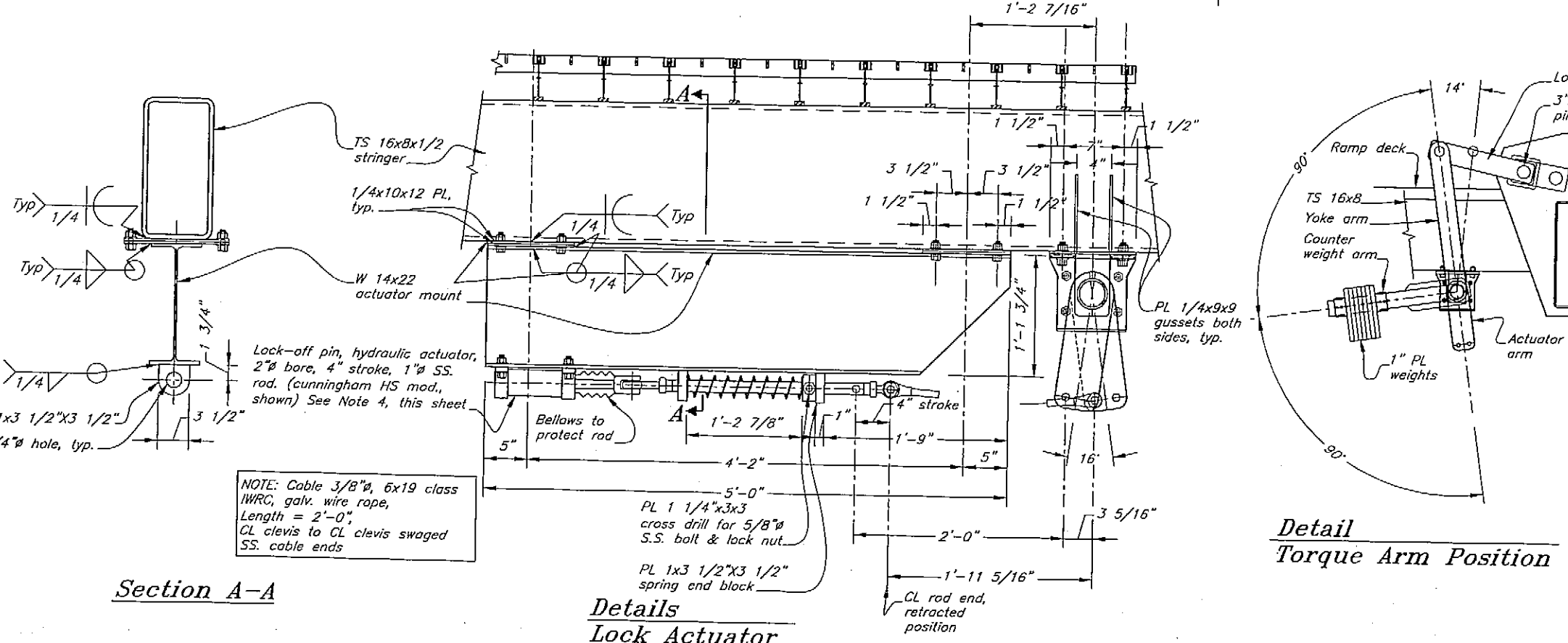
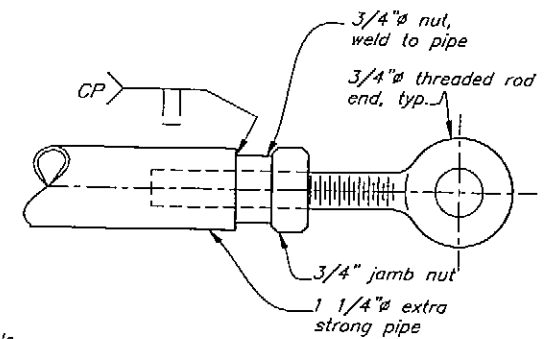
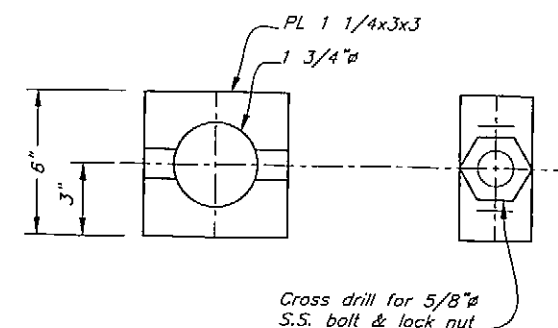
DESIGNED BY: <i>B. Nelson</i>  CHECKED BY: <i>J. Beedle</i> DRAWN BY: <i>B. Nelson</i> PATH: <i>D:\proj\67833\WF\Planner\063 Ramp Hanger & Lock-Off Details.dwg</i> PLOT: PSPACE 1=1	DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION South Mitkof Ferry Terminal Ramp Bar & Lock-Off <i>Mon, 04/Apr/05 12:15PM</i>
--	--

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			67833	2005	63	96



- NOTES**
1. - Approx. Weight Of Intermediate Ramp = 32,000 lbs.
 2. - Compression Spring: 1 13/16" Rod Size, 15" Free length, 10 1/4" Max. Solid Height, 4 3/4" Min. Deflection, Approx. Compression 160 lb/in., Install with 1/8" Precompression.
 3. - Close all open ended pipe & tube with 1/4" plate & seal weld.
 4. - Dimensions based on Cunningham Hydraulic Actuator. Size may vary for actuator supplied, locate mounting bolts as required. Submittals & shop dwg's req'd.
 5. - Cable shall be 3/8" 6x19 class, long lay, IWRC, Galvanized and Greased.
 6. - All lock system members shall be hot-dip galvanized after fabrication.

AS-BUILT
11-14-06 KJN



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: B. Nelson

CHECKED BY: J. Boedle

DRAWN BY: B. Nelson

PATH: C:\PSP\67833\4\Planner\054 Ramp Lock Details.dwg

PLT: PSPACE 1=1

DATE: 4/25/05

PROJECT DESIGNATION: 67833

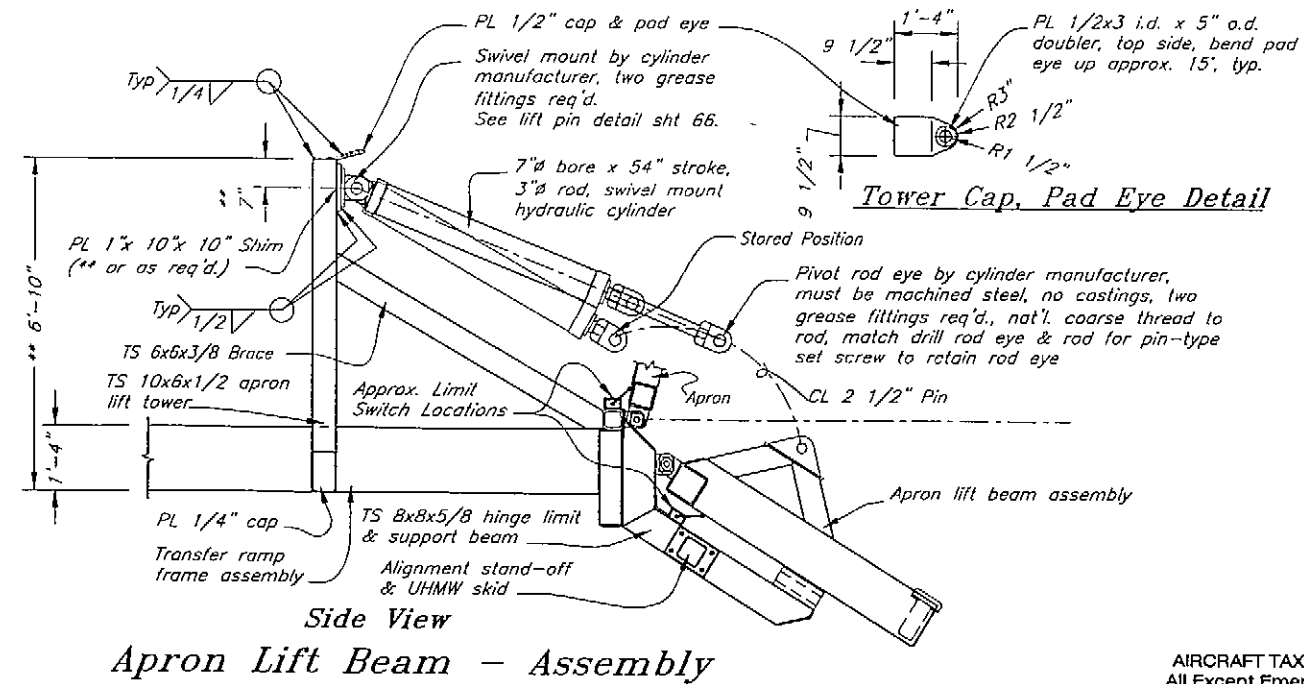
YEAR: 2005

SHEET NO.: 64

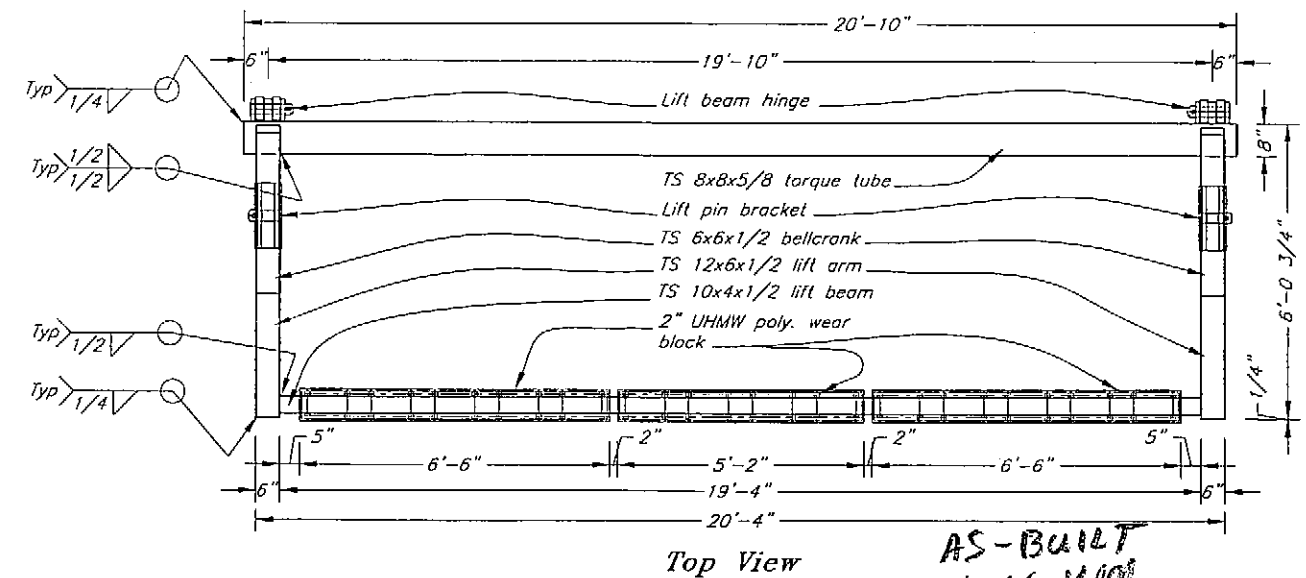
TOTAL SHEETS: 96

South Mitkof Ferry Terminal

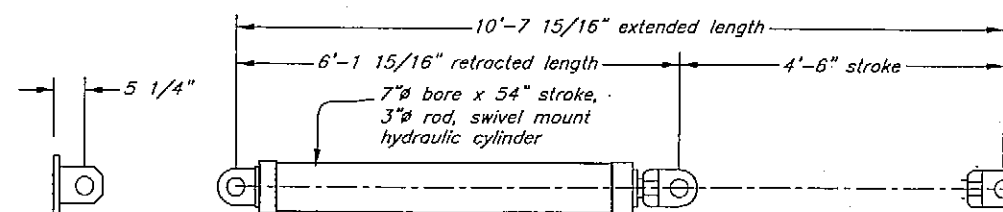
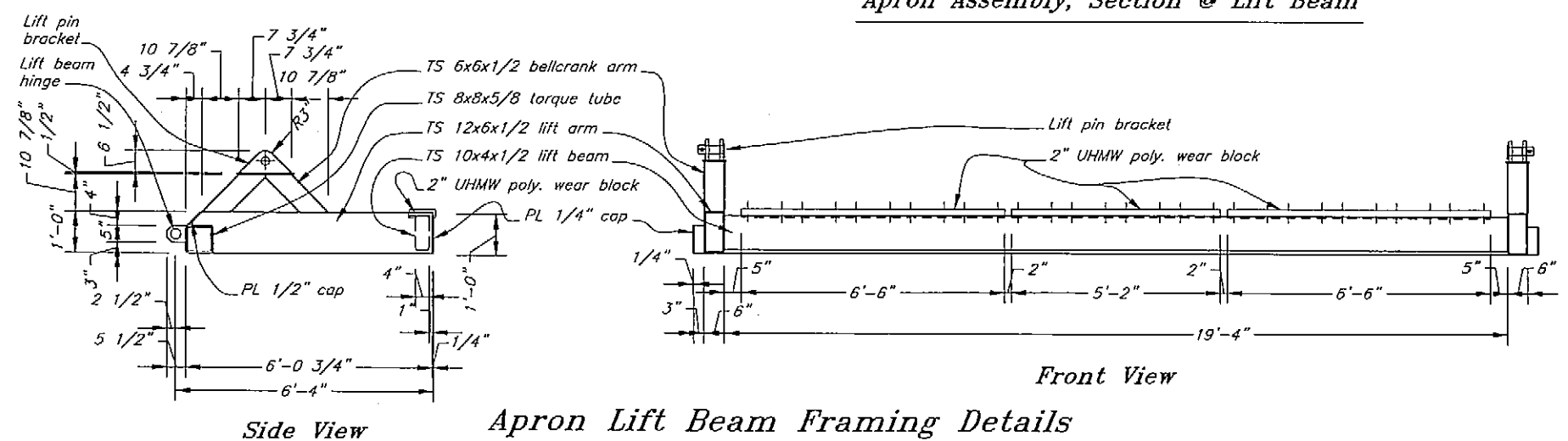
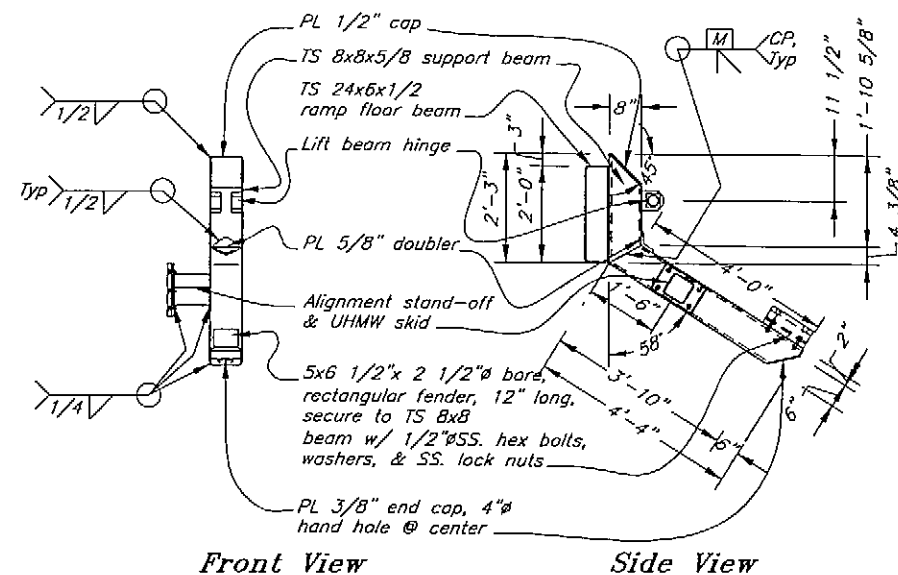
Ramp Lock Details



AIRCRAFT TAXIWAY
All Except Emergency
Vehicles Must Yield

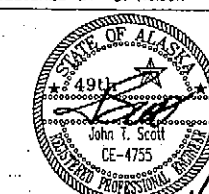


AS-BUILT
11-14-06 R/JM.



NOTE:
 ** Dimensions are based on PURAKAL Hydraulic Cylinders (7" dia. bore x 54" stroke, 3 1/2" dia. rod) with swivel mount and pivot rod eye by Manufacturer. The cylinder supplied may vary, but the apron lift tower height, and/or swivel mount height MUST be adjusted accordingly. No castings allowed for rod eye end or swivel mount attachments.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: *B. Nelson*

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

South Mitkof Ferry Terminal

Apron Lift Beam Assembly

CHECKED BY: J. Beedie

DRAWN BY: B. Nelson, T. Mores

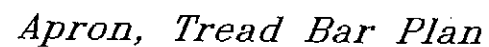
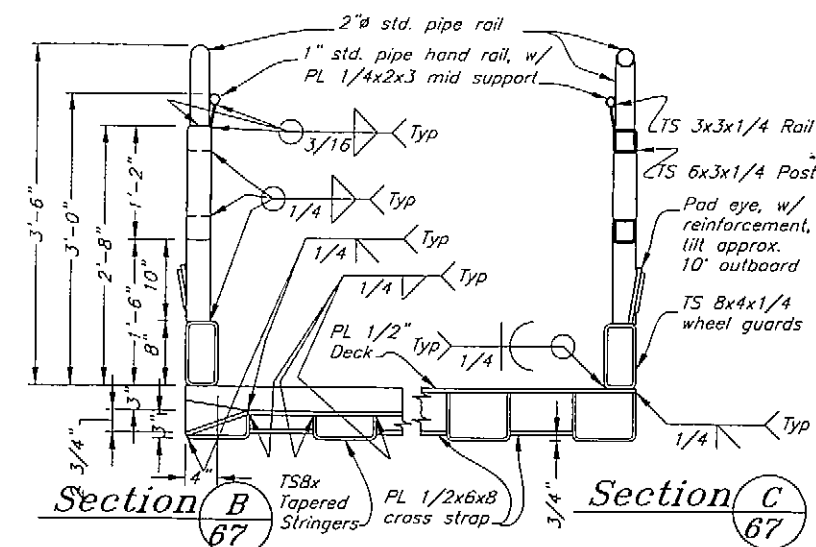
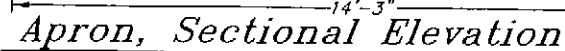
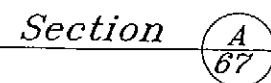
PATH: O:\Psg\67833\MF\Plansel\065 Apron lift details.dwg

PLOT: PSPACE 1=1 TAB: DETA

Tue, 26/Apr/05 02:39PM

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			67833	2005	65	96

PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
67833	2005	65	96

[illegible]

Apron, Plan View

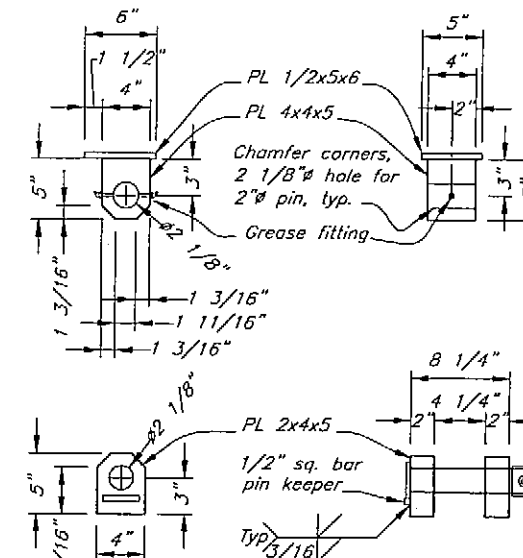
3/16" 3" 1/4" 8 1/2" 2" 1/4" 2" 1/2" 1"

$\phi 1$ 3/4" PL 1/4x3x3

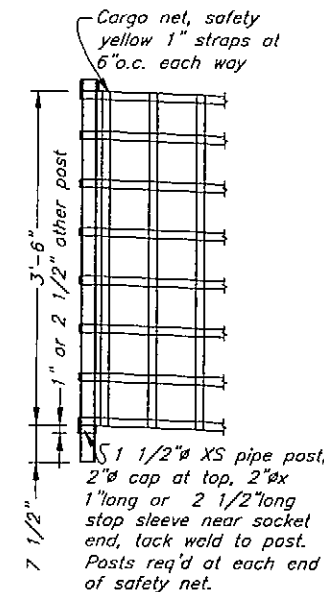
2" ϕ hinge pin, cross drill both pin
& 2" ϕ std. pipe sleeve for 1/2" ϕ
SS. bolt & lock nut, typ.

Apron Pin

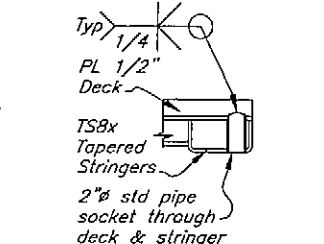
Apron Pin



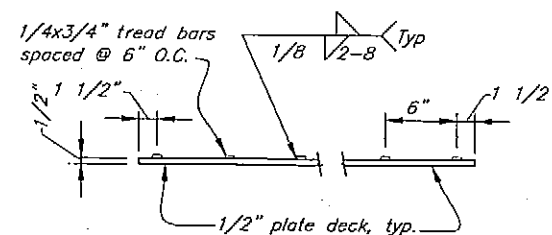
Apron Hinge



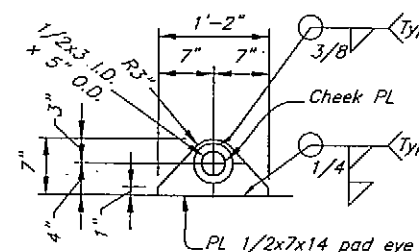
Safety Net Detail



Socket Detail
Section



Detail - Tread Bars



Pad Eye Detail

DESIGNED BY: <i>B. Nelson</i> 	DO NOT SCALE FROM THESE DRAWINGS OR DIMENSIONS STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION South Mitkof Ferry Terminal
CHECKED BY: <i>J. Beadle</i> DRAWN BY: <i>B. Nelson</i>	Apron Details 1

PATH: *C:\Psp\167833\AP\Plonse\1057 Apron Details 1.dwg*
 PLOT: PSPACE 1=1

Tue, 05/Apr/05 11:32AM
.Job: Apron 1

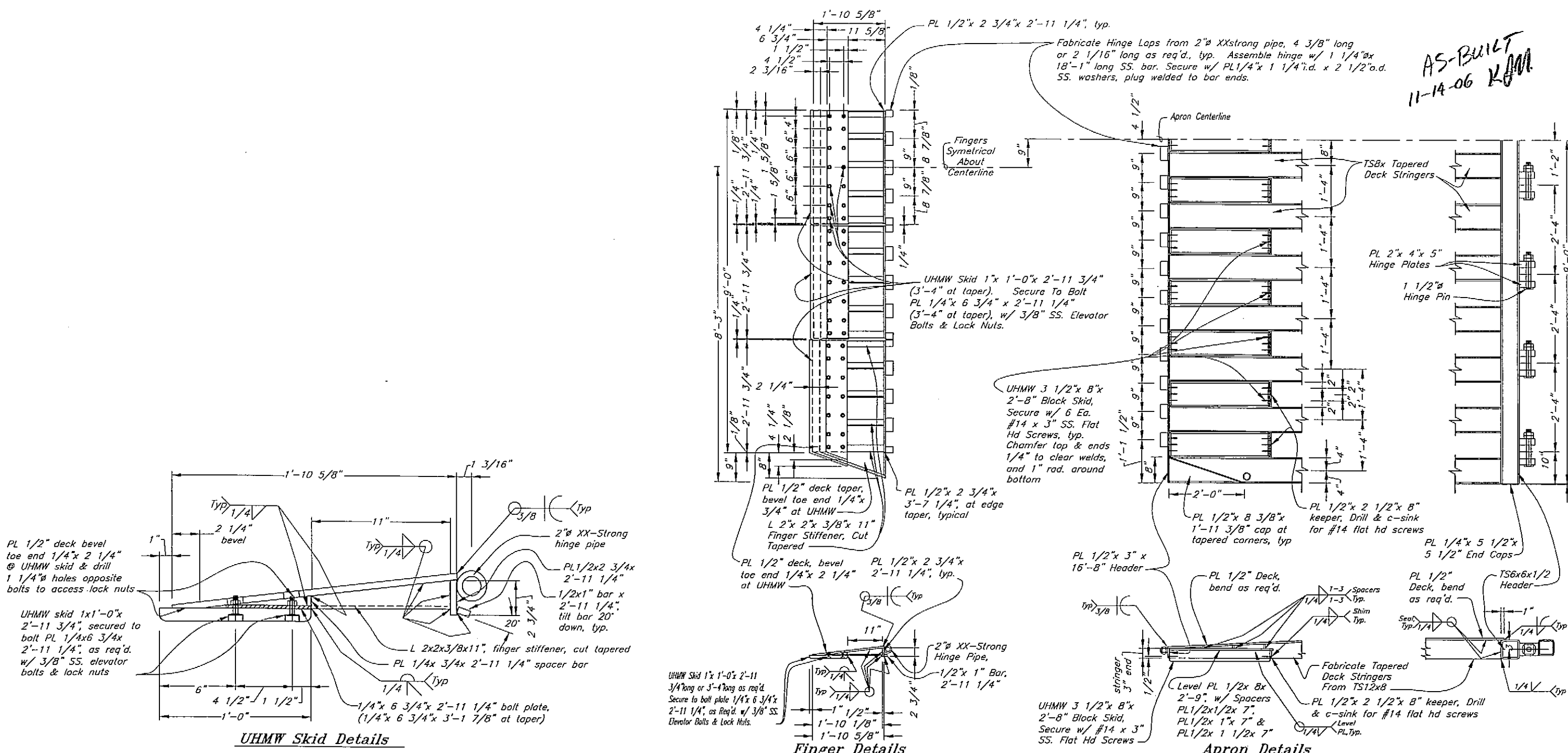
REVISIONS		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION			

67833

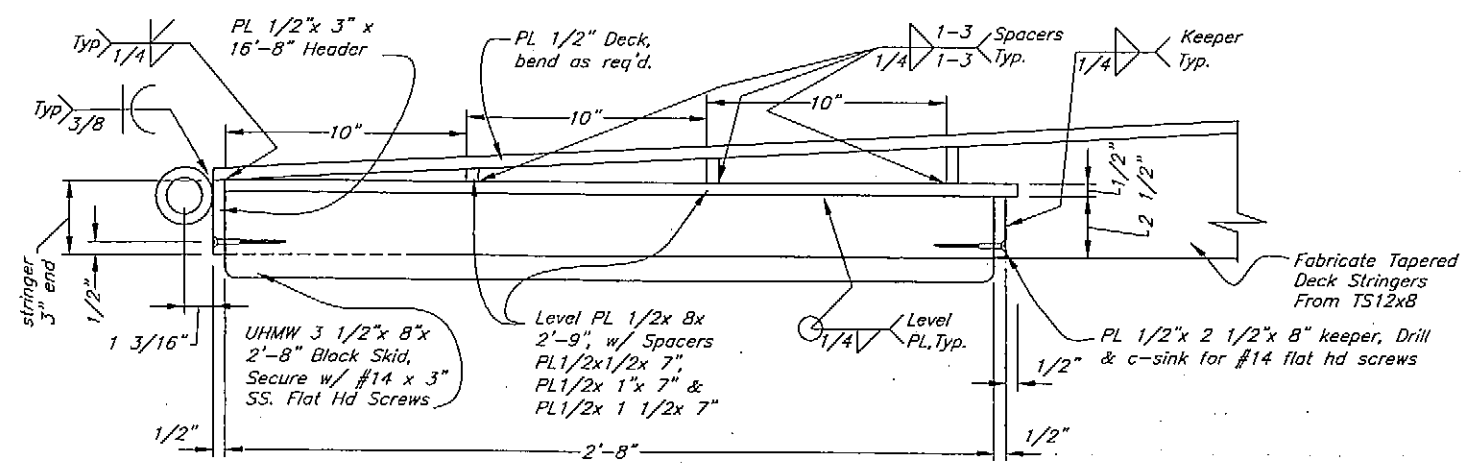
2005

67

96



Apron Details



Apron End Details

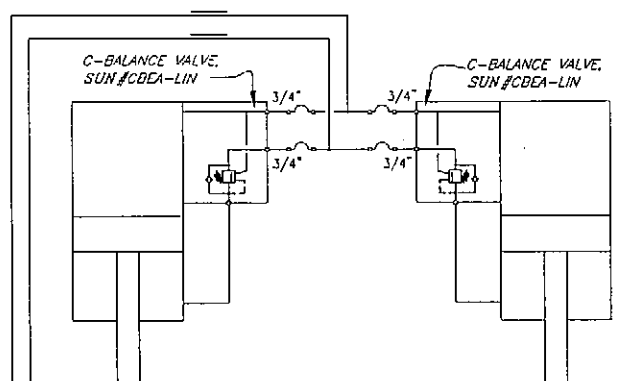
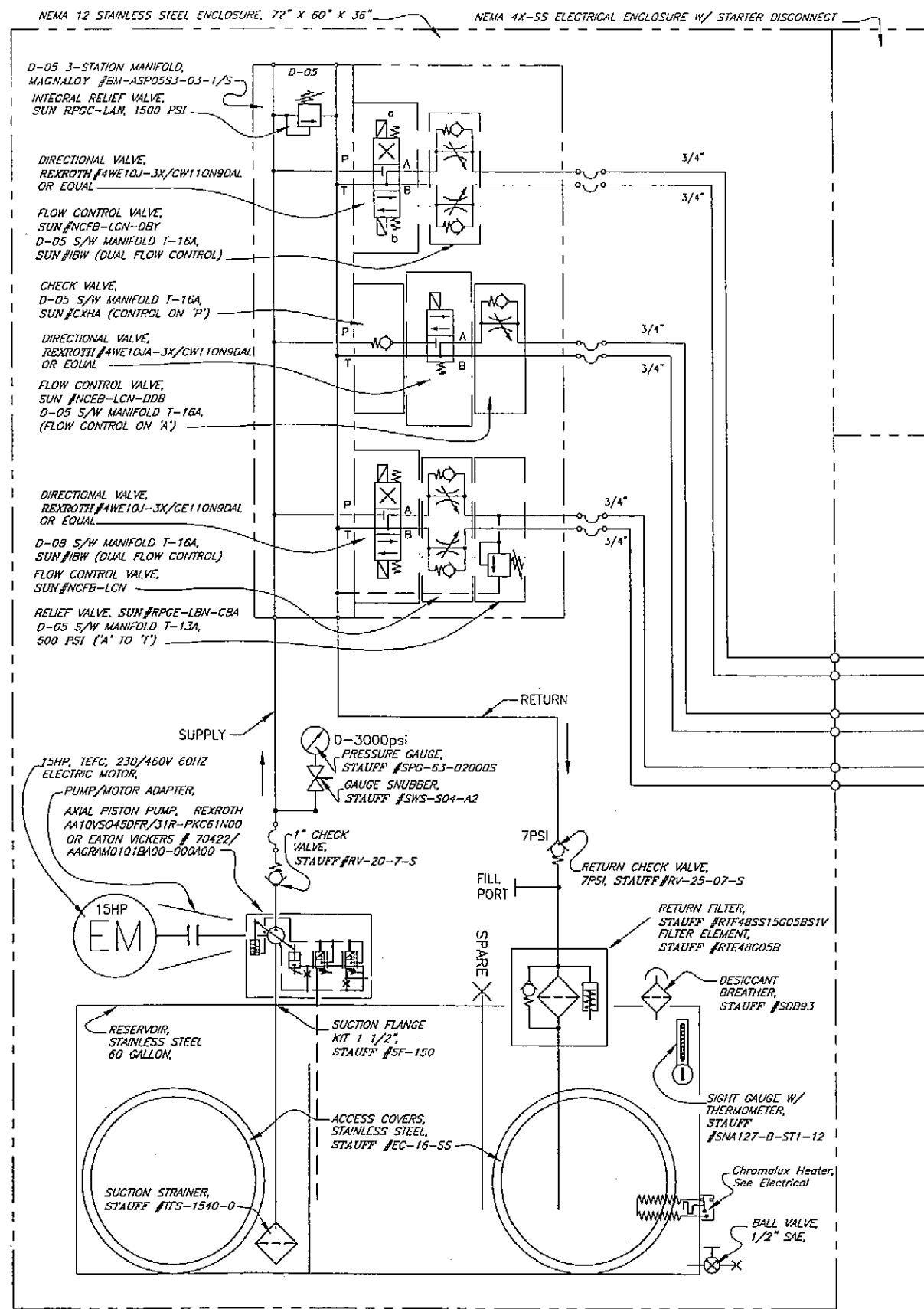
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

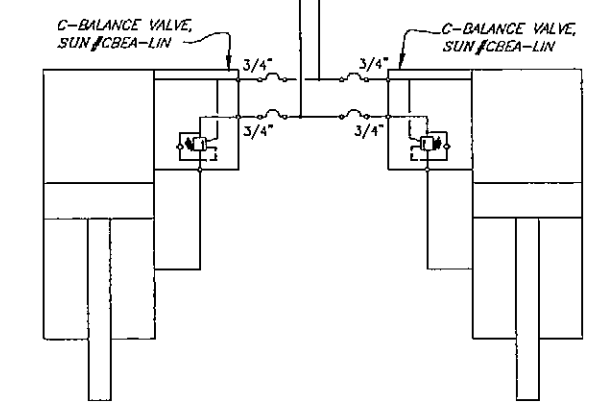
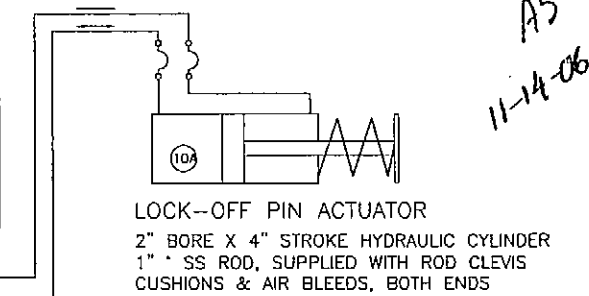
South Mitkof Ferry Terminal

Apron Details 2

DESIGNED BY: <i>B. Nelson</i>  CHECKED BY: <i>J. Beedle</i> DRAWN BY: <i>B. Nelson</i>	DO NOT SCALE FROM THESE DRAWINGS OR DIMENSIONS STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION South Mitkof Ferry Terminal Apron Details 2
PATH: <i>Q:\Fsg\67833\WF\Plan\set\068 Apron Details 2.dwg</i> PLOT: <i>PSPACE 1=1</i>	

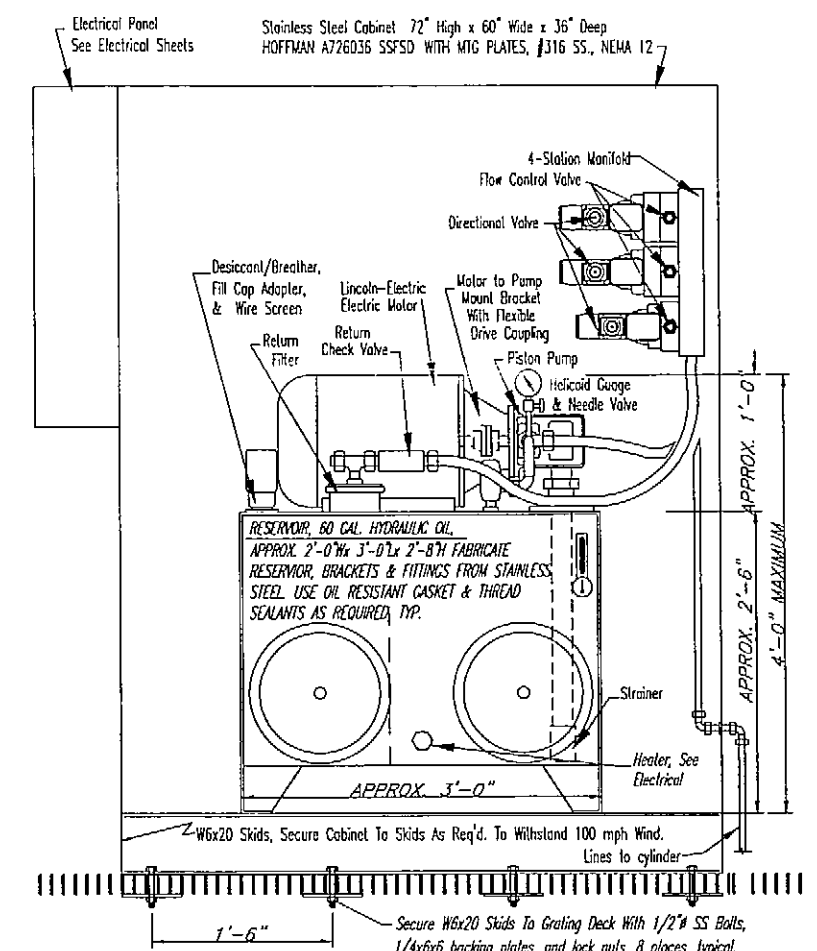


APRON ACTUATORS
 HYDRAULIC CYLINDERS: 7" BORE X 54" STROKE, 3" ϕ SS ROD W/ ROD BOOT, 2 1/4"-12 THREAD, PIVOT ROD EYE (LOCK ROD EYE TO THREADS W/ 2 SET SCREWS AT 90°), CLEVIS MOUNT, MOUNT BRACKET & AND PIN, AIR BLEEDS TYP BOTH ENDS. CONTRACTOR SHALL ADJUST MOUNTING DETAILS TO FIT ACTUAL CYLINDER SUPPLIED.



RAMP ACTUATORS
 HYDRAULIC CYLINDERS: 8" BORE X 81" STROKE, 3 1/2" ϕ SS ROD, 3"-12 THREAD, W/ PIVOT ROD EYE 3 1/2" FACE-TO-FACE W/ 3" ϕ PIN (NO CASTINGS ALLOWED), PIVOT MOUNT & BRACKET, AIR BLEEDS TYP BOTH ENDS. SECURE ROD EYE TO THREADS W/ 2 SS SET SCREWS AT 90°.

*A5-BUILT
 11-14-06 LAM*



Hydraulic Power Unit

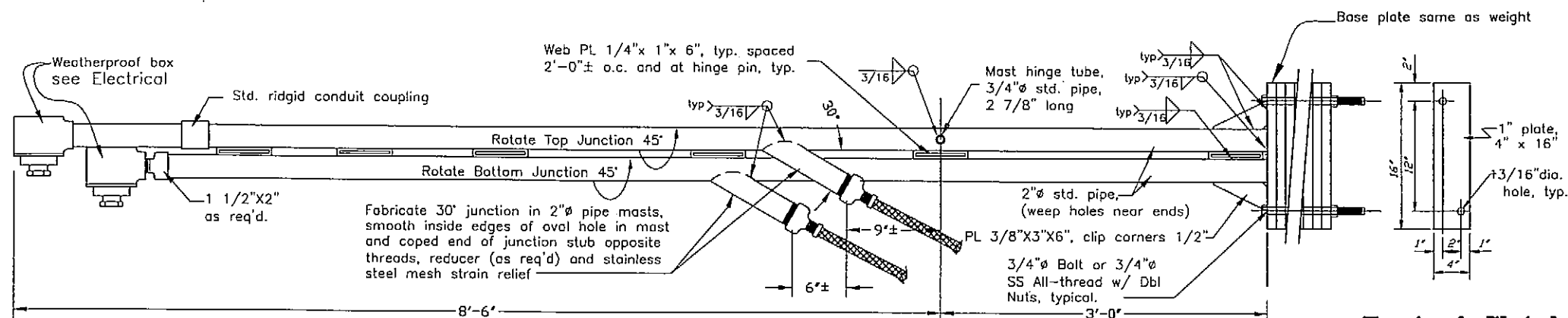
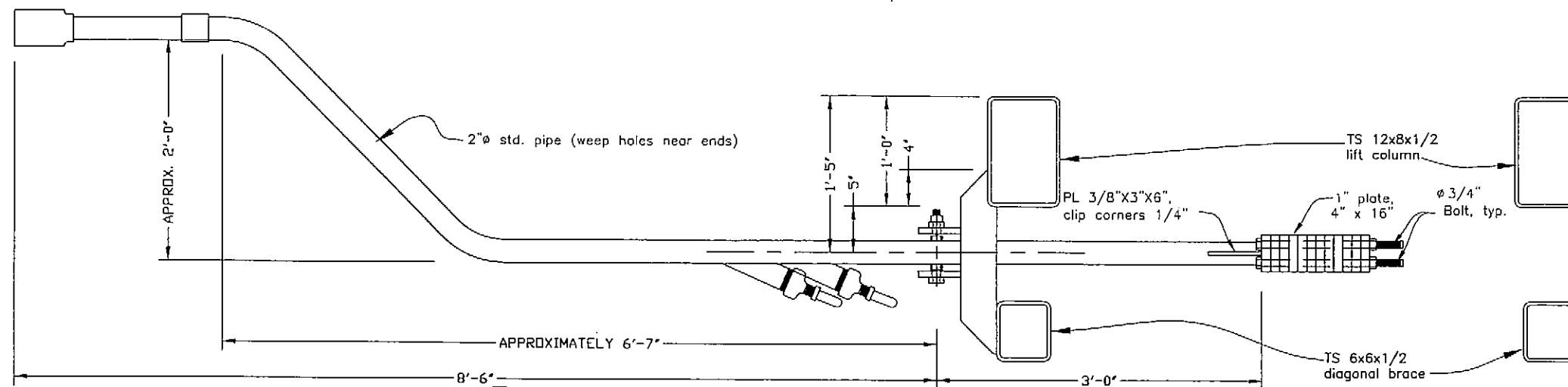
THIS SKETCH IS TO SHOW THAT THE RESERVOIR, MOTOR, PUMP, VALVES & FILTERS WILL COMBINE INTO A COMPACT UNIT

GENERAL NOTES

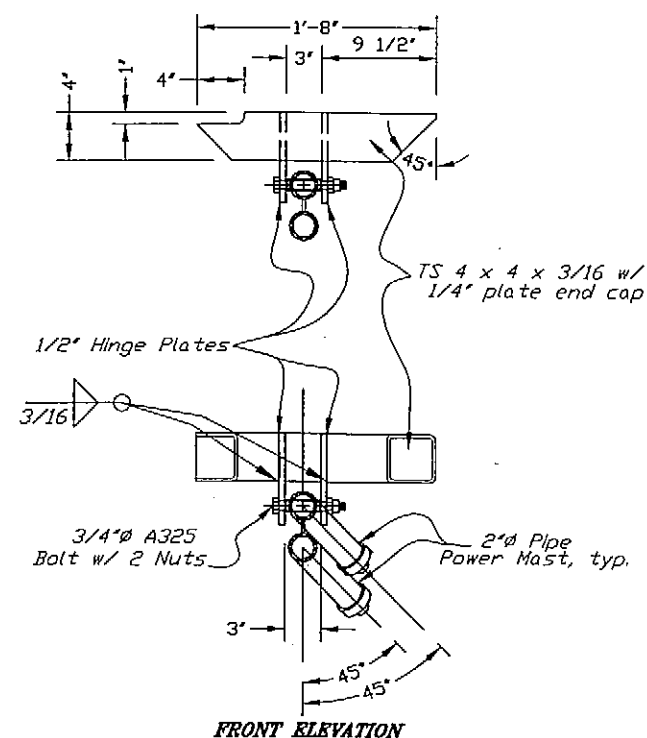
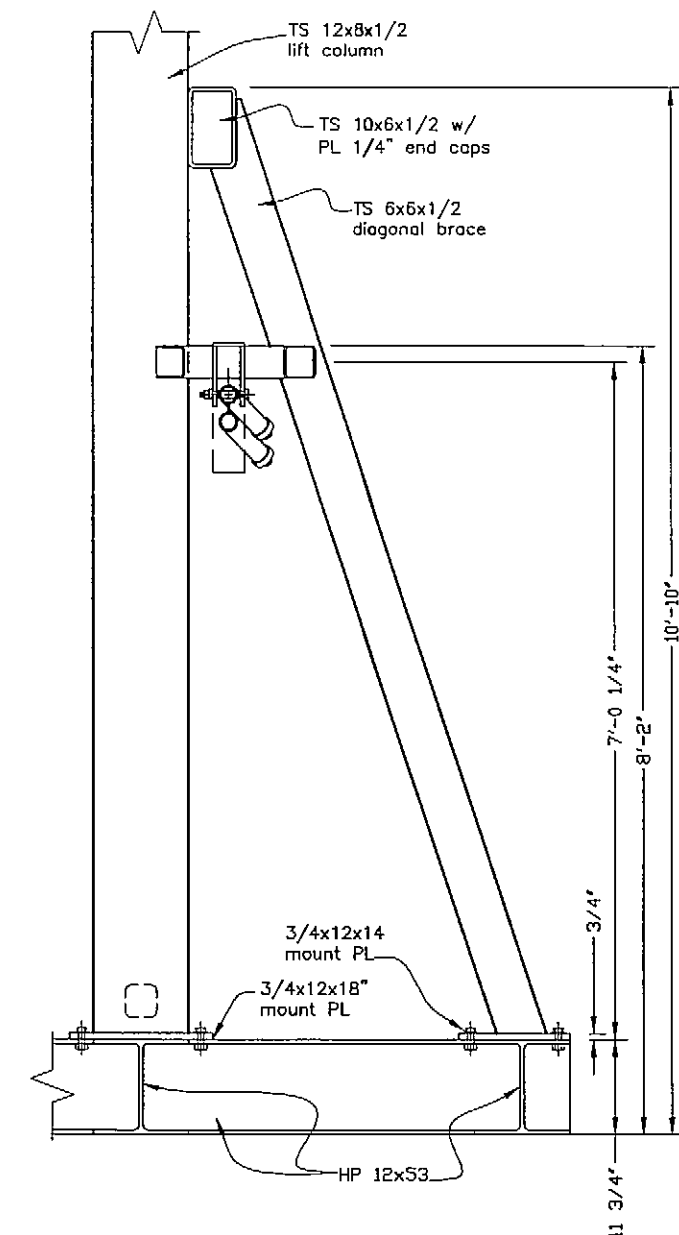
1. MAXIMUM WORKING PRESSURE OF APRON HYDRAULIC SYSTEM IS 3000 PSIG. MAXIMUM WORKING PRESSURE OF RETURN PIPING IS 250 PSIG. VALVE MANIFOLD INTEGRAL PRESSURE RELIEF SET TO 1500 PSI.
2. TUBING TO BE A269 SEAMLESS 304SS/316SS.
3. AFTER COMPLETION OF PIPE/TUBE INSTALLATION, COMPLETE SYSTEM TO BE FLUSHED UNTIL AN ISO 16/14/11 IS ACHIEVED. REPLACE FILTER ELEMENTS UPON COMPLETION OF FLUSHING.
4. ALL PRESSURE HOSE ASSEMBLIES TO BE RATED AT 3000PSI. JIC SWIVEL FITTINGS OR 4-BOLT FLANGE HOSE ENDS WILL BE USED ON ALL HOSE ASSEMBLIES.
5. HYDRAULIC FLUID: CHEVRON "RYKON" ISO-32
6. ALL PIVOT MOUNTS AND PIVOT ROD EYES SHALL HAVE SS. GREASE FITTINGS TOP & BOTTOM. ALL PINS AND ALL BEARING SURFACES SHALL BE GREASED DURING ASSEMBLY.
6. ALL ACTUATOR RODS SHALL BE STAINLESS STEEL WITH TRIPLE CHROME PLATING FOR CORROSIVE ENVIRONMENT. ALL MATERIAL FOR SEALS, RETAINING HARDWARE AND FITTINGS AS REQ'D. FOR CORROSIVE ENVIRONMENT.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

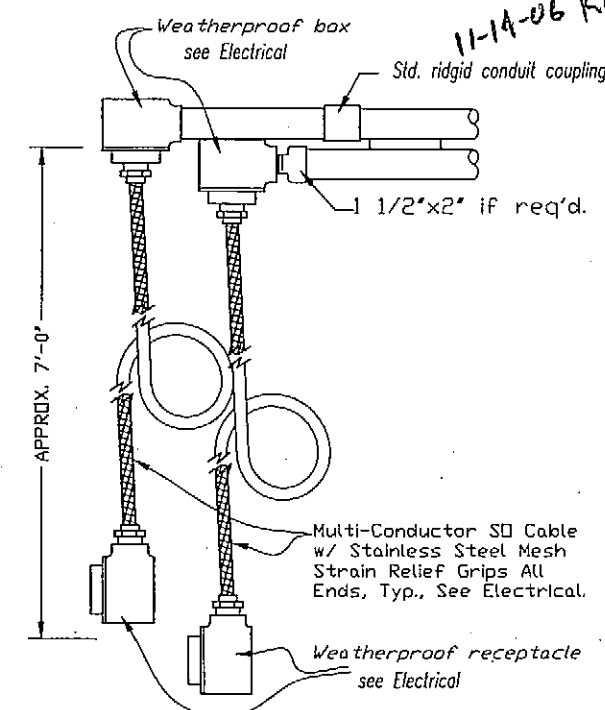
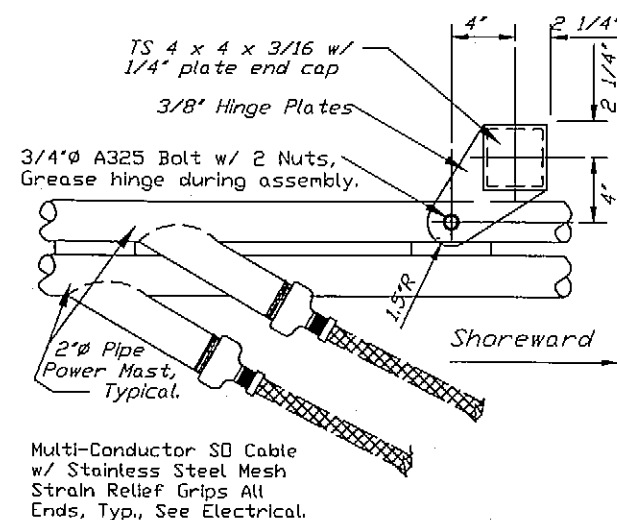
DESIGNED BY: B. Nelson		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION																	
		South Mitkof Ferry Terminal																	
CHECKED BY: J. Beale		Hydraulic Power Unit																	
DRAWN BY: B. Nelson																			
PATH: c:\pvg\67833\1\PlanSet\089 Hydraulic Power Unit.dwg		Tue, 26/Apr/05 12:40PM																	
PLOT: PSPACE 1=1		Tab: Layout1																	
<table border="1"> <thead> <tr> <th colspan="2">REVISIONS</th> <th rowspan="2">PROJECT DESIGNATION</th> <th rowspan="2">YEAR</th> <th rowspan="2">SHEET NO.</th> <th rowspan="2">TOTAL SHEETS</th> </tr> <tr> <th>NO.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td rowspan="2">67833</td> <td rowspan="2">2005</td> <td rowspan="2">69</td> <td rowspan="2">96</td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>		REVISIONS		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS	NO.	DATE			67833	2005	69	96				
REVISIONS		PROJECT DESIGNATION	YEAR					SHEET NO.	TOTAL SHEETS										
NO.	DATE																		
		67833	2005	69	96														



Typical Weight
(Approximately 12 Required)



Mast Mounting Details



AS-BUILT
11-14-06 RAM

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: B. Nelson

CHECKED BY: J. Scott

DRAWN BY: B. Nelson

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

South Mitkof Ferry Terminal

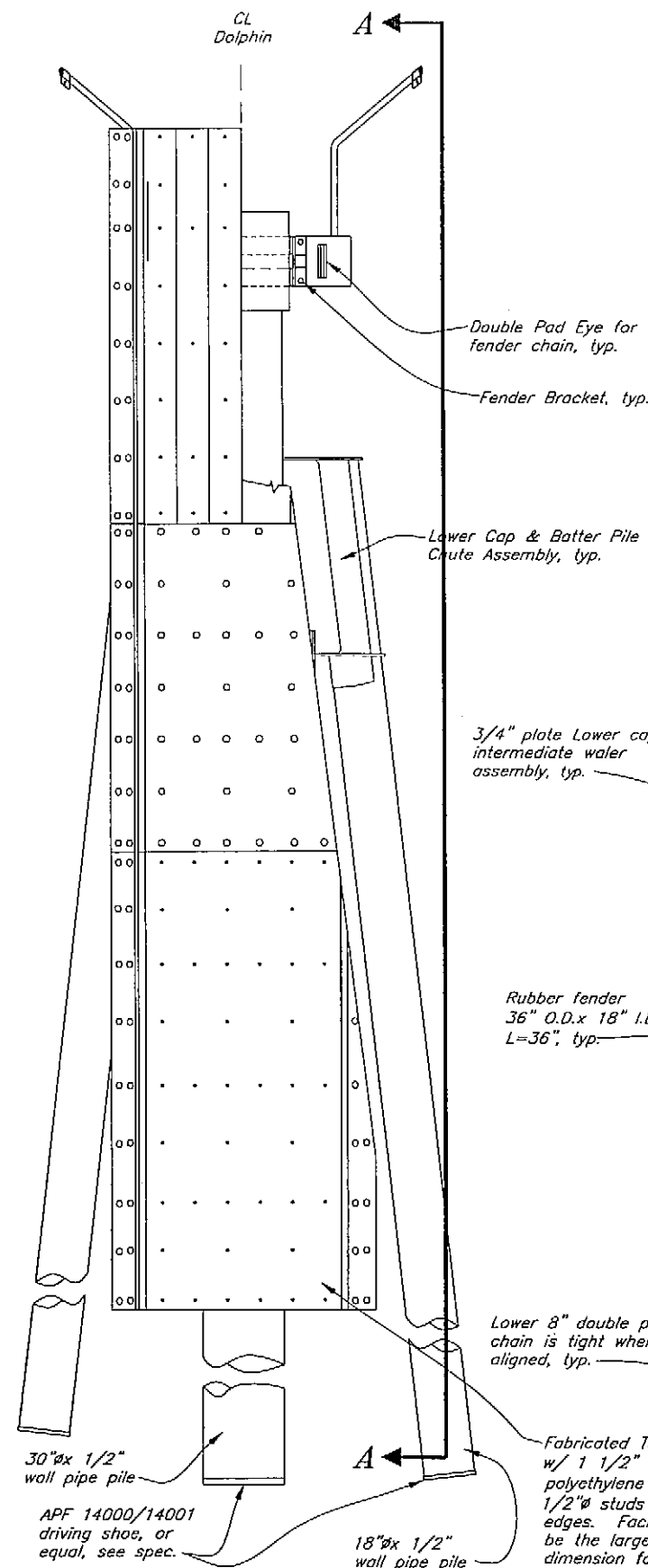
Power Mast

PATH: Q:\Psg\67833\MF\Pionse\070 Power Mast.dwg

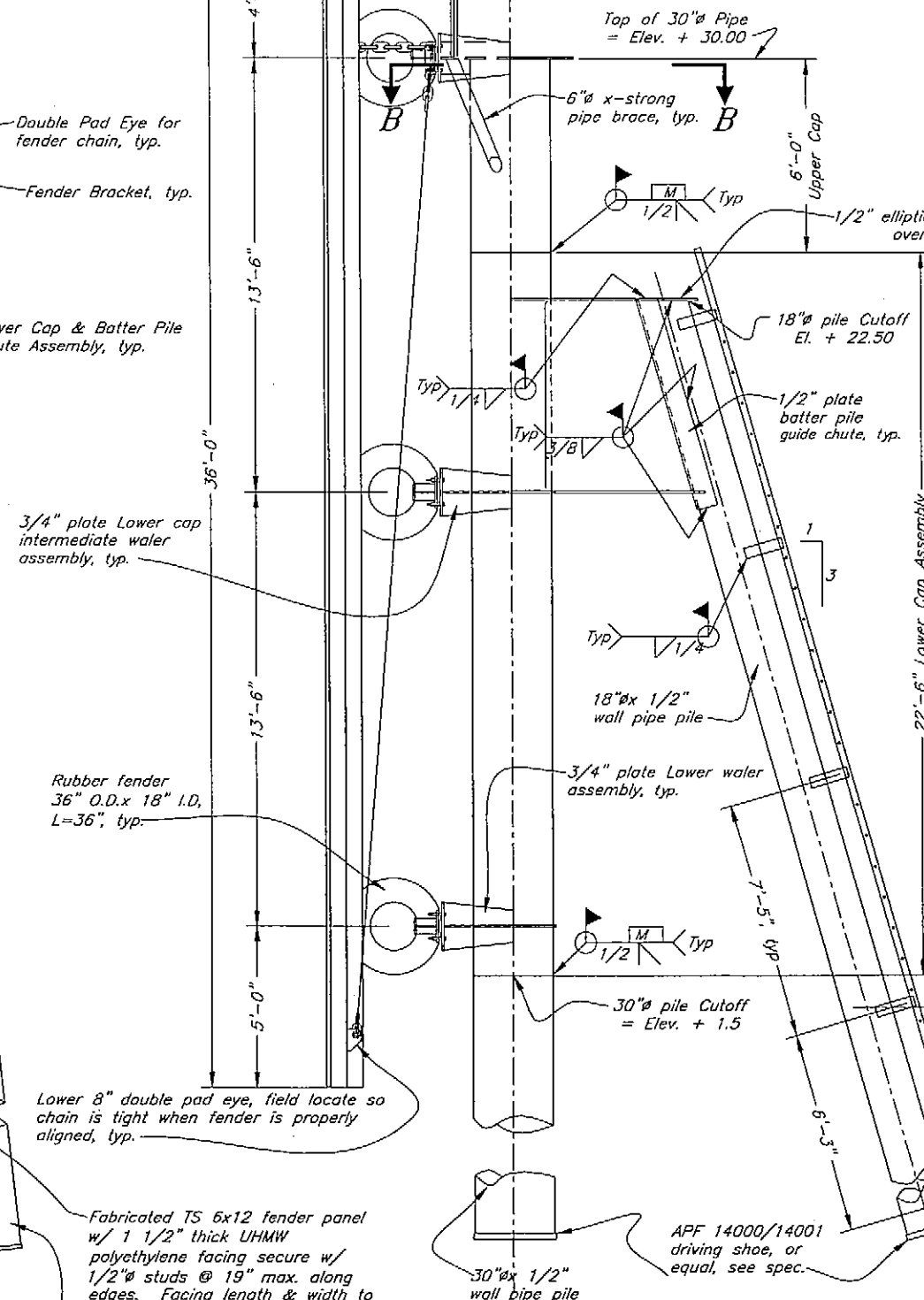
PLOT: PSPACE 1=1

Wed, 06/Apr/05 10:26AM

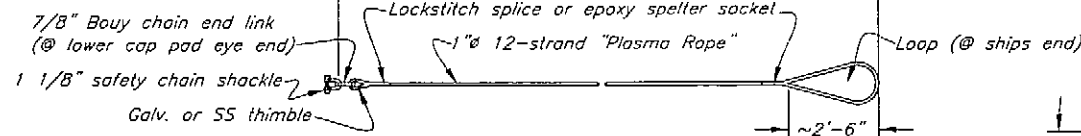
REVISIONS		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE				
		67833	2005	70	96



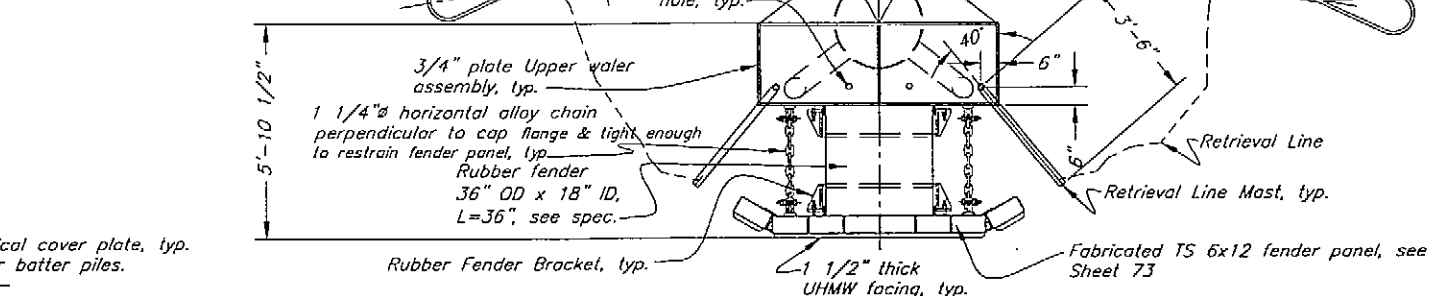
Front Elevation
(Mooring & Retrieval Lines not shown)



View A-A
(Mooring & Retrieval Lines not shown)

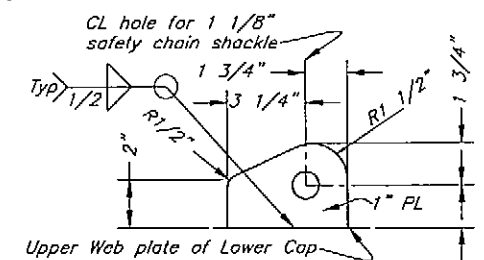


Mooring Line Assembly
(2 required each @ E1 & E2)

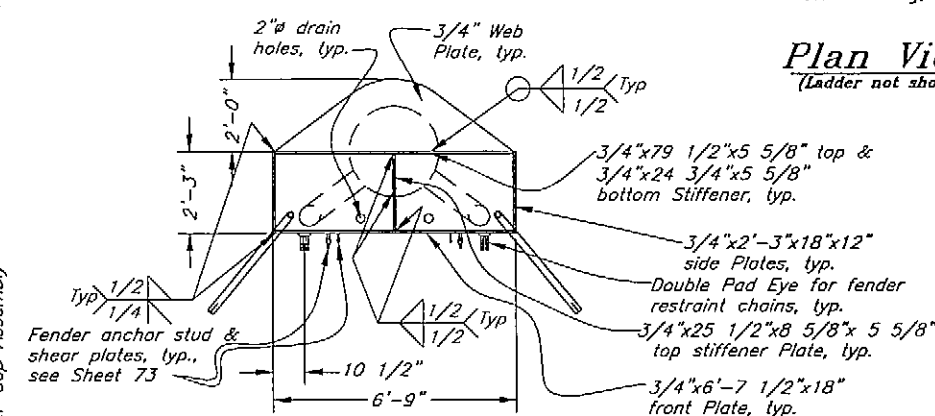


Plan View
(Ladder not shown)

Note:
1 1/2" UHMW facing shall be yellow

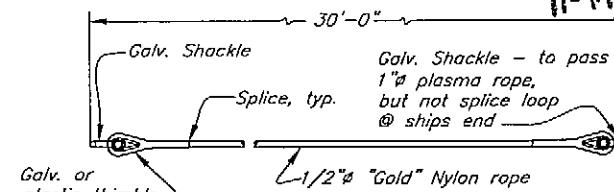


Mooring Line Pad Eye Detail



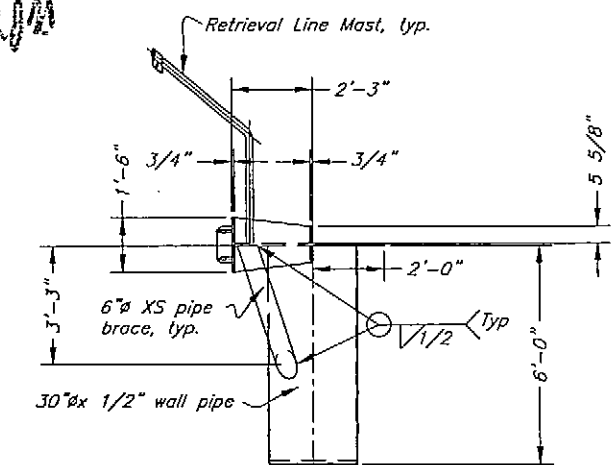
Upper Cap Assembly

AS-BUILT
11-14-06 KJM



Retrieval Line Assembly
(2 required each @ E1 & E2)

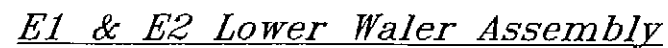
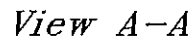
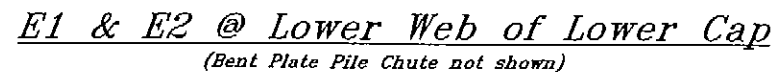
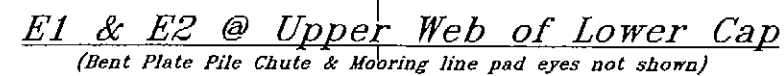
NOTE: Sheets 71-74 show a TS fender panel and dolphin. Either construct panel/dolphin shown on sheets 71-74 or construct the WF fender panel and dolphin shown on sheets 75-79.



Side Elevation

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: J. Scott		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION	
CHECKED BY: B. Savikko		South Mitkof Ferry Terminal	
DRAWN BY: J. Scott		Plan & Elevation Mooring Structures E1 & E2	
PATH: Q:\Psg\67833\MF\Plan\071 E1 & E2 TS Plan & elev.dwg		Tue, 26/Apr/05 10:31AM	
PLOT: PSPACE 1=1		PROJECT DESIGNATION	
REVISIONS		YEAR	
NO.	DATE	SHEET NO.	
DESCRIPTION		TOTAL SHEETS	
		67833	
		2005	
		71	
		96	



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

South Mitkof Ferry Terminal

Mooring Structures E1 & E2 - Lower Cap & Lower Wall Details

DESIGNED BY: <i>J. Scott</i>  <i>4/25/05</i>	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION South Mitkof Ferry Terminal Mooring Structures E1 & E2 - Lower Cap & Lower Water Details
CHECKED BY: <i>B. Savikko</i> DRAWN BY: <i>J. Scott</i>	PATH: <i>Q:\Psg\67833\MF\Planner\072 E1 & E2 IS Lower Cap & Water Details.dwg</i> PLOT: <i>PSPACE 1=1</i>

REVISIONS		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION			

Fri. 01/Apr/05 03:38PM

67833
2005
72
96

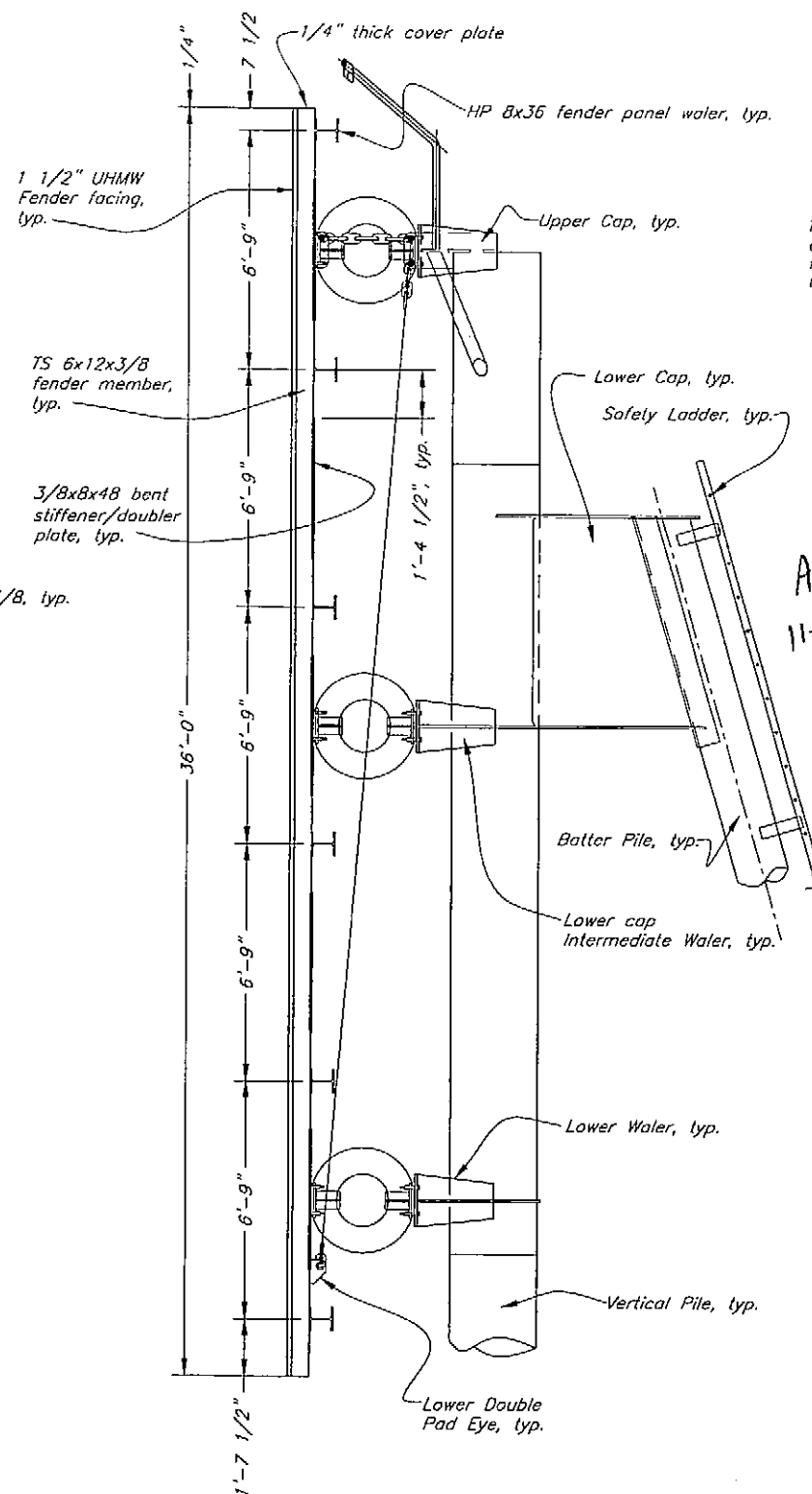
Section thru UHMW @ Fender Face

Weld Detail - Between Walers

Weld Detail - @ Walers

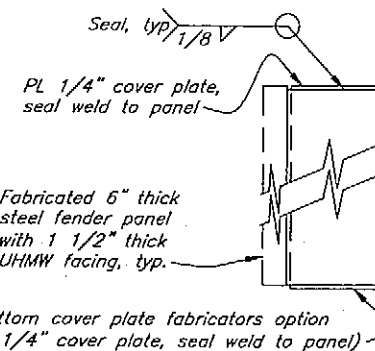
*E1 & E2 Fender
Member Weld Details*

Fender Cover Plate Detail

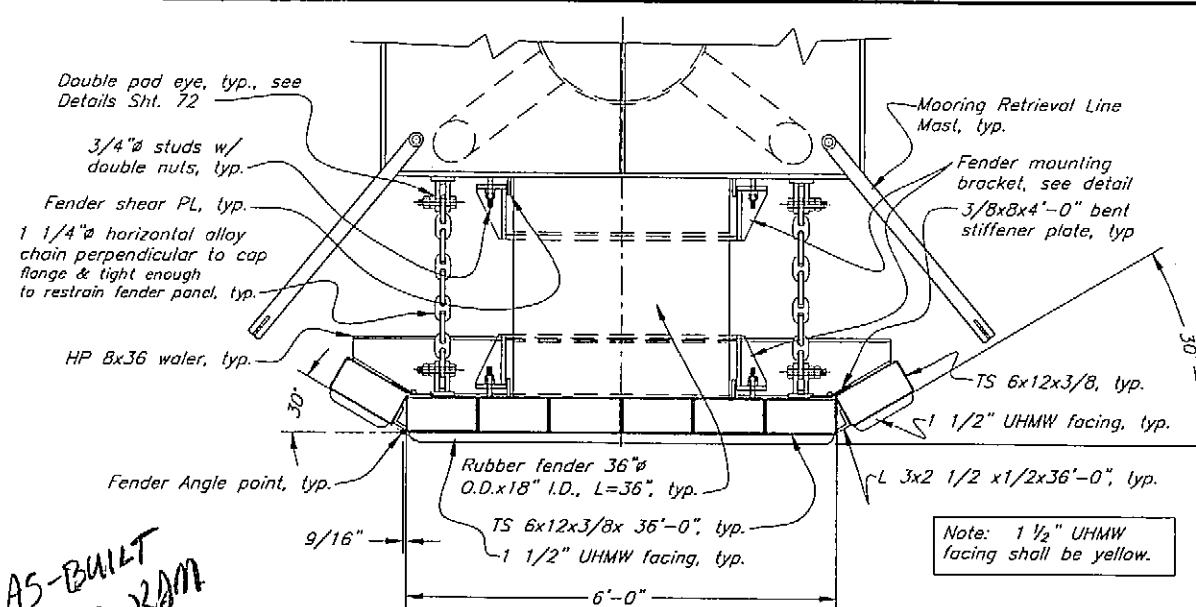


Fender - Sectional Elevation

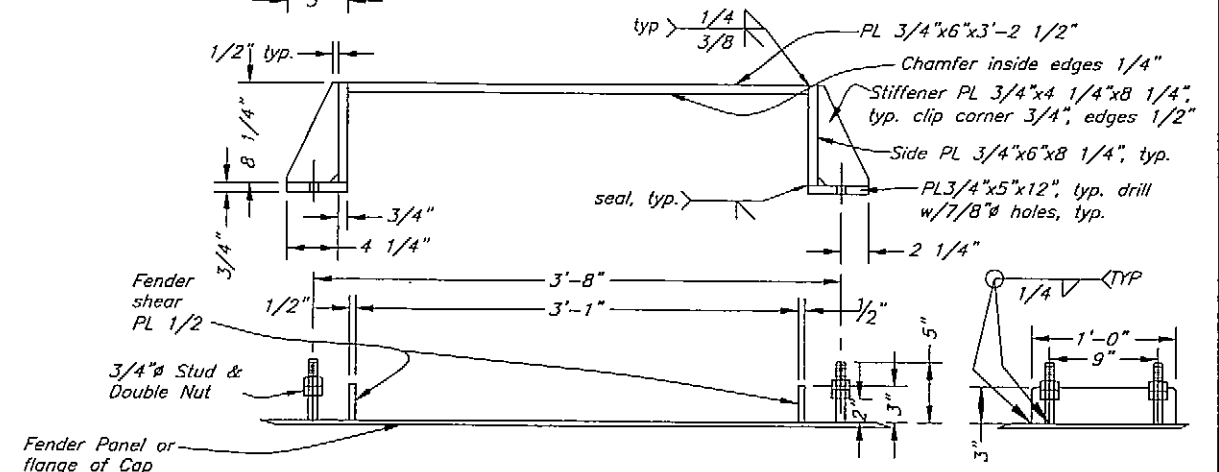
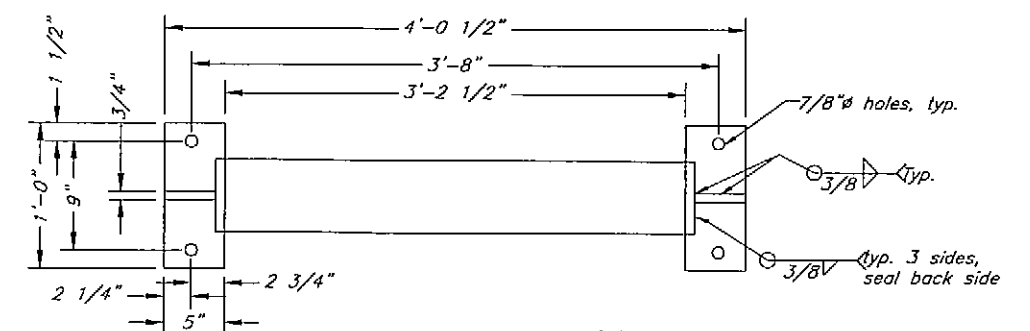
NOTE: Sheets 71-74 show a TS fender system and dolphin. Either construct system/dolphin shown on sheets 71-74 or construct the WF fender system and dolphin shown on sheets 75-79.



Cover Plate Attachment
@ E1 & E2



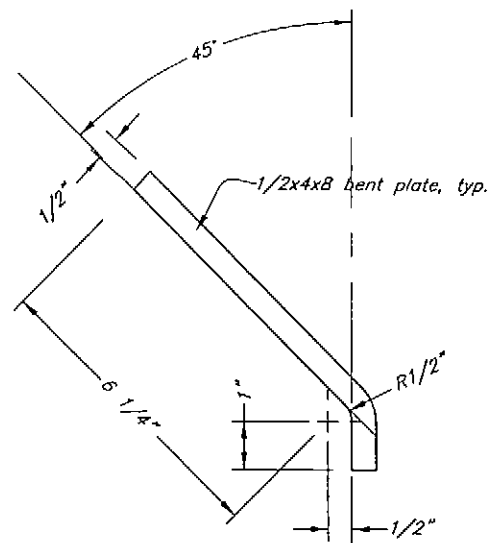
E1 & E2 Fender Panel



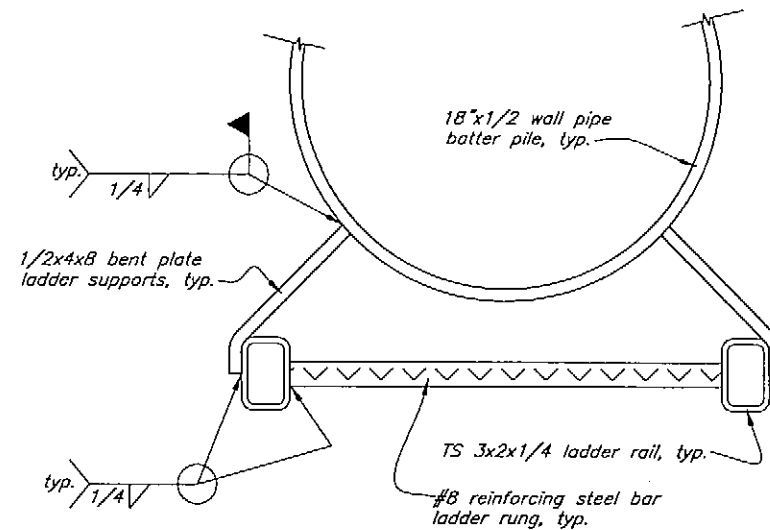
Fender Mount Bracket & Mounting Details
(For 3'Ø x 36" long Fenders @ E1 & E2)

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

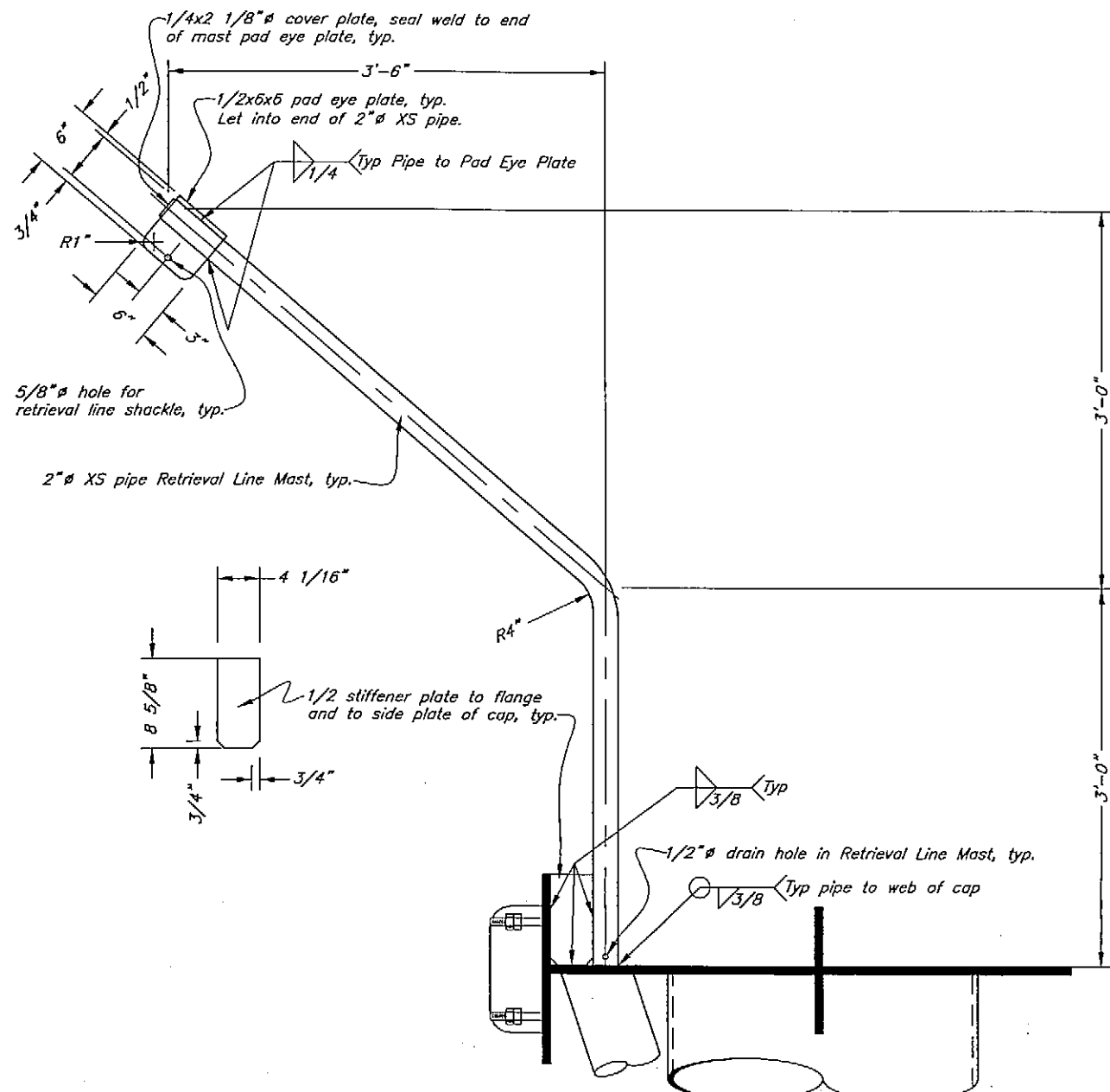
DESIGNED BY: <i>J. Scott</i>  CHECKED BY: <i>B. Savirko</i> DRAWN BY: <i>J. Scott</i>	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION South Mitkof Ferry Terminal Mooring Structures E1 & E2 - Fender Details PATH: <i>Q:\Psg\67833\MF\Planset\073 E1 & E2 15 Fender Details.dwg</i> PLOT: PSPACE 1=1
---	--



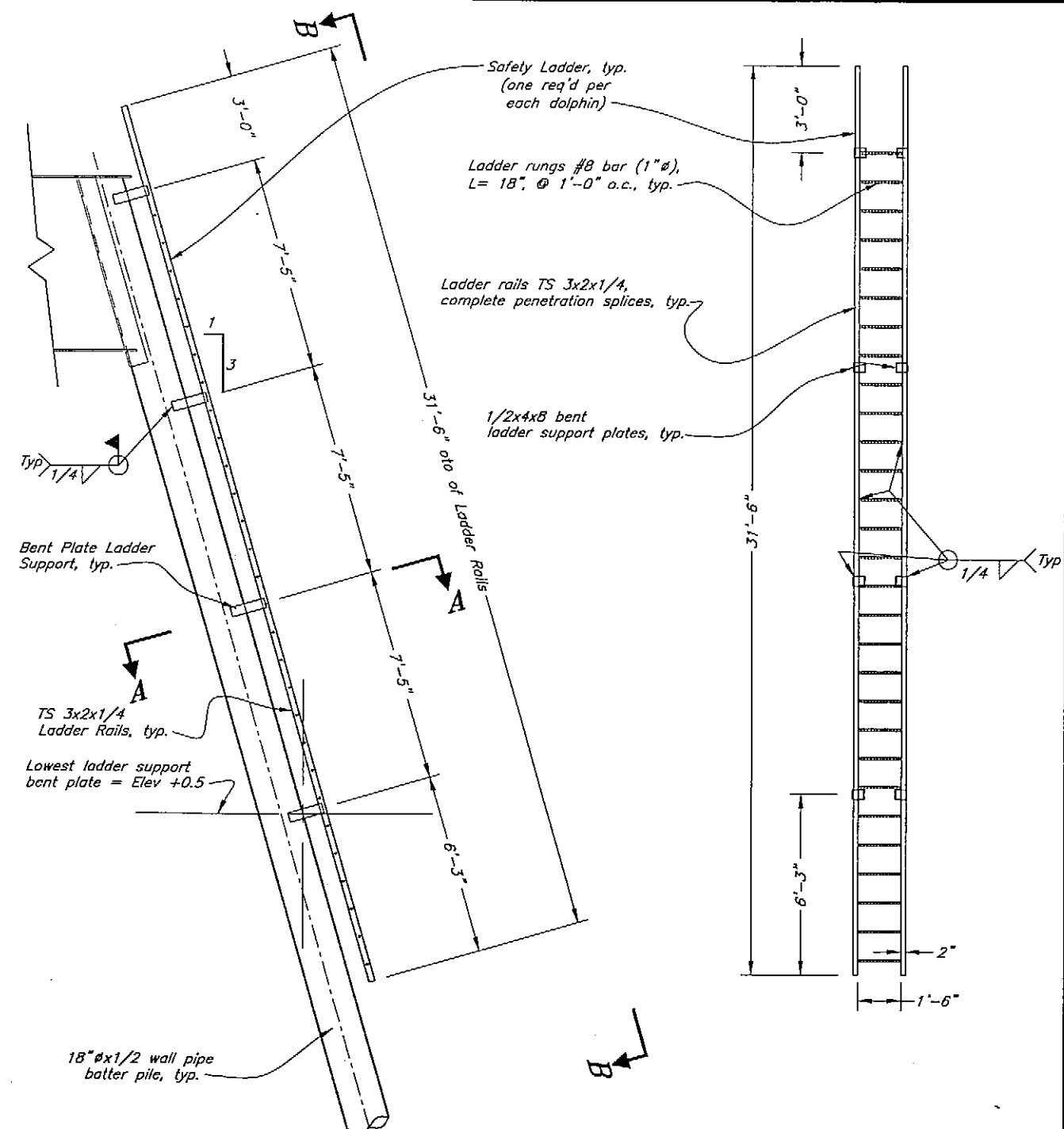
Ladder Support Plate



Section A-A



Retrieval Line Mast Elevation View & Details



**Ladder Elevation -
Dolphin E1 & E2 Batter Pile**

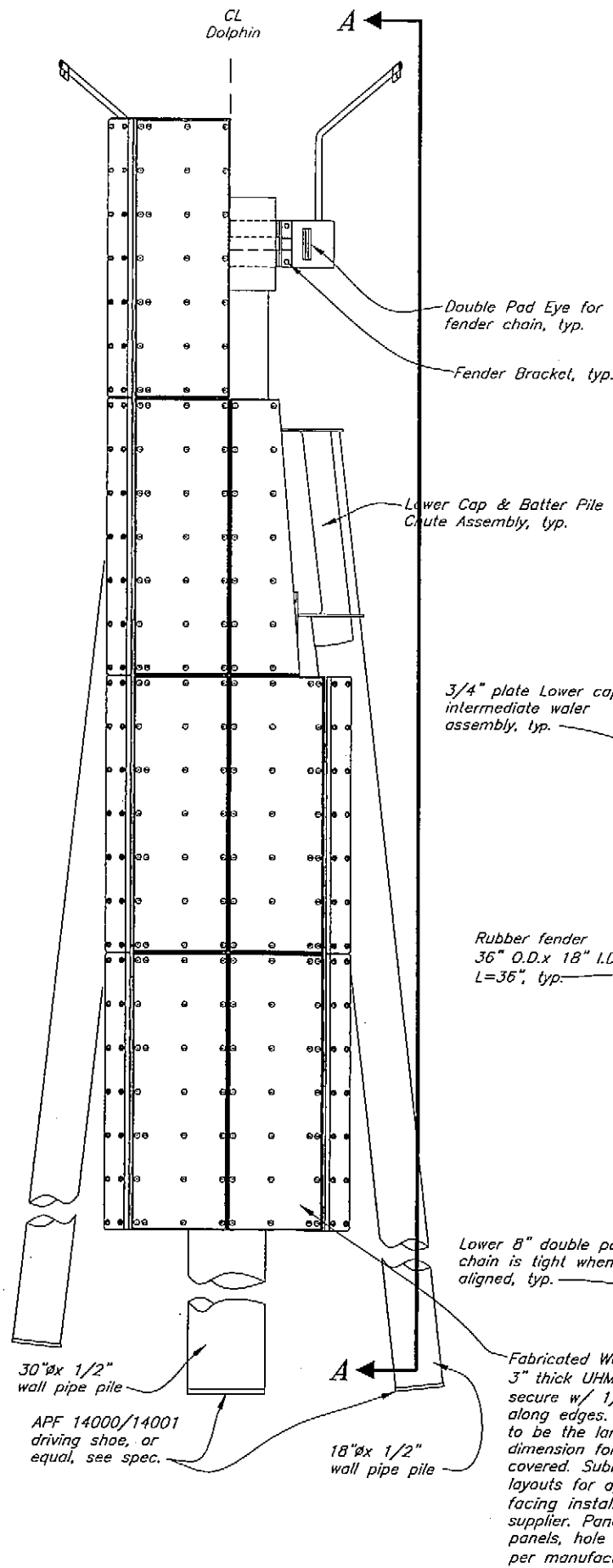
View B-B

AS-BUILT
11-14-06 KAM

NOTE: Sheets 71-74 show a TS fender system and dolphin. Either construct system/dolphin shown on sheets 71-74 or construct the WF fender system and dolphin shown on sheets 75-75.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: J. Scott		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION			
CHECKED BY: B. Savikko		South Mitkof Ferry Terminal			
DRAWN BY: J. Scott		Mooring Structures E1 & E2 - Ladder Details			
PATH: O:\Psg\67833\MF\PlanSet\074 E1 & E2 TS Ladder Details.dwg, 01/Apr/05 03:38PM					
PLOT: PSPACE 1=1					
REVISIONS		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION	67833	2005	74
					96

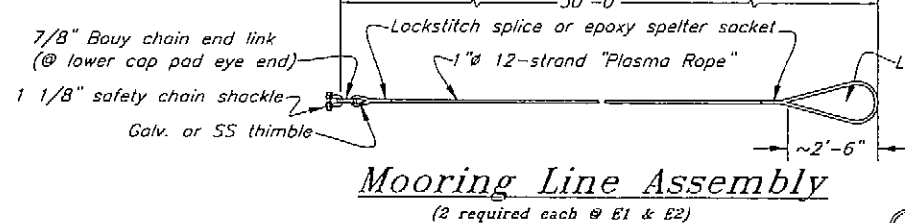


Front Elevation
(Mooring & Retrieval Lines not shown)

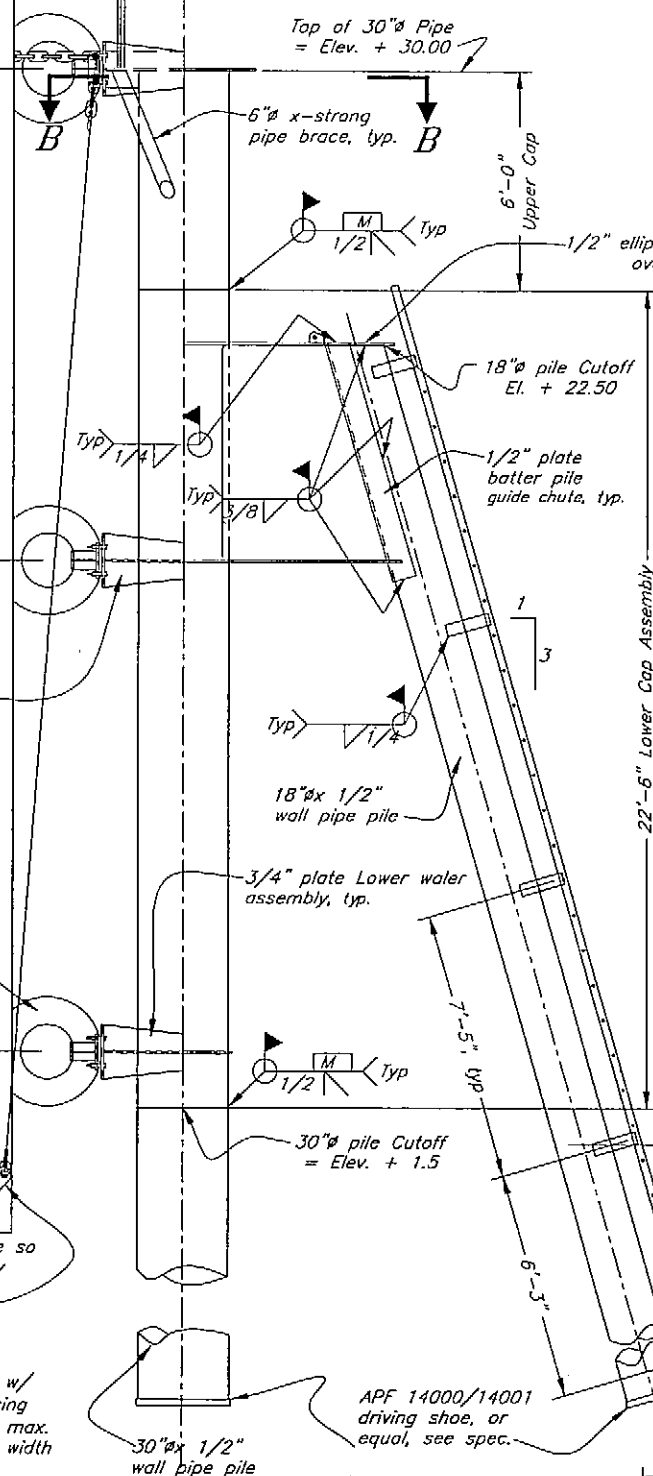
Lower 8" double pad eye, field locate so chain is tight when fender is properly aligned, typ.

Fabricated W6x20 fender panel w/ 3" thick UHMW polyethylene facing secure w/ 1/2" studs @ 19" max. along edges. Facing length & width to be the largest practical dimension for the area being covered. Submit facing & stud layouts for approval. Coordinate facing installation w/ UHMW panel supplier. Panel size, space between panels, hole size & hole location per manufacturer's recommendation.

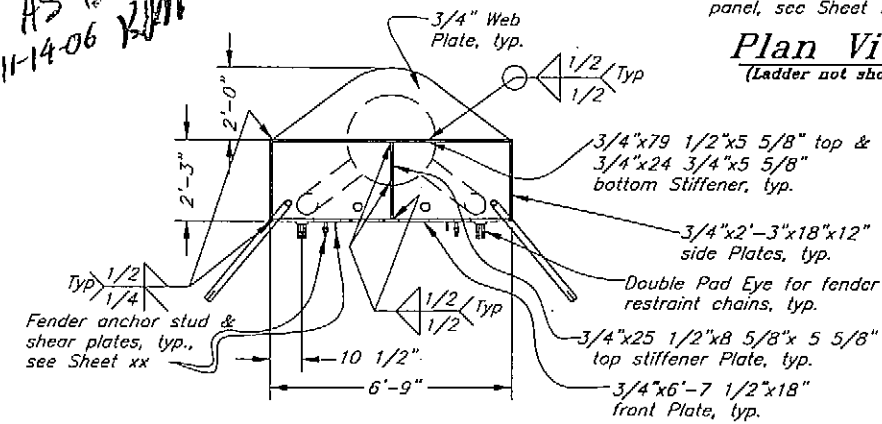
View A-A
(Mooring & Retrieval Lines not shown)



Mooring Line Assembly
(2 required each @ E1 & E2)

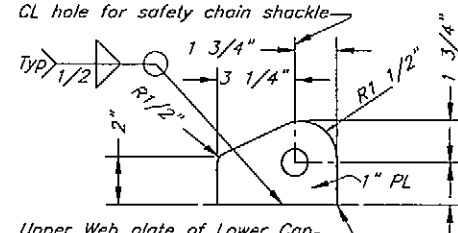


Upper Cap Assembly

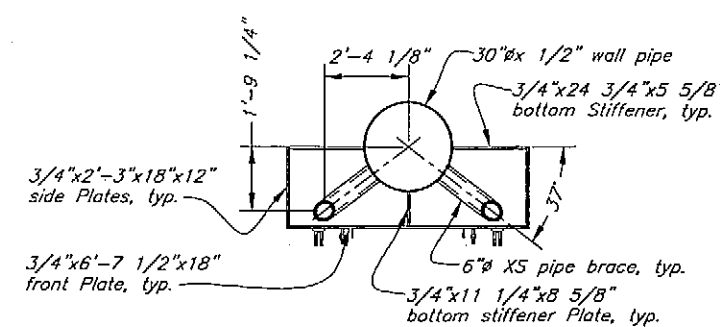


Plan View
(Ladder not shown)

Note:
3" UHMW facing shall be yellow.

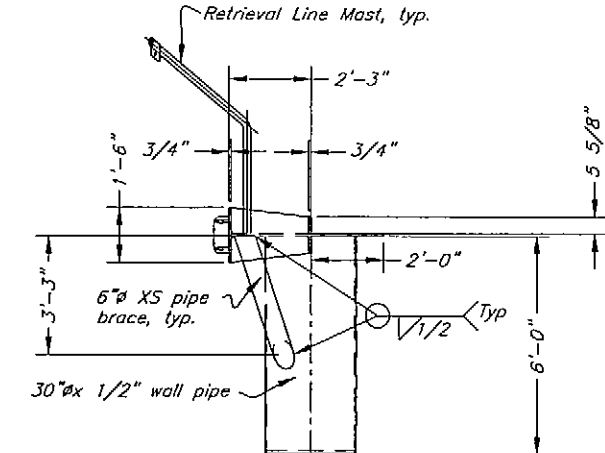


Mooring Line Pad Eye Detail

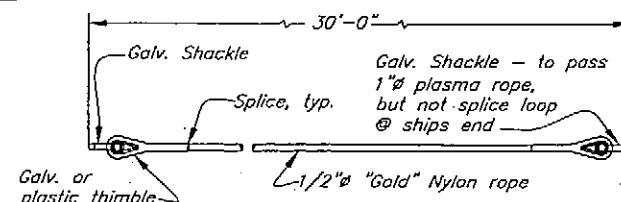


Section B-B

NOTE: Sheets 75-79 show a WF fender panel and dolphin. Either construct panel/dolphin shown on sheets 75-79 or construct the TS fender system and dolphin shown on sheets 71-74.



Side Elevation



Retrieval Line Assembly
(2 required each @ E1 & E2)

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: J. Scott		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION	
		South Mitkof Ferry Terminal	
CHECKED BY: B. Savikko		Plan & Elevation Mooring Structures E1 & E2	
DRAWN BY: J. Scott			
PATH: O:\Psg\67833\MF\Plans\075 E1 & E2 Wf Plan & elev.dwg			
PLOT: PSPACE 1=1			
TUE, 26/APR/05 10:37AM			
REVISIONS		PROJECT DESIGNATION	
NO.	DATE	DESCRIPTION	
		67833	
		2005	
		75	
		96	

E1 & E2 @ Upper Web of Lower Cap
(Bent Plate Pile Chute & Mooring lines not shown)

E1 & E2 @ Lower Web of Lower Cap
(Bent Plate Pile Chute not shown)

NOTE: Sheets 75-79 show a WF fender panel and dolphin. Either construct panel/dolphin shown on sheets 75-79 or construct the TS fender system and dolphin shown on sheets 71-74.

View A-A

E1 & E2 Lower Waler Assembly

5-BUILT
4-06 RLM

Side View

Typical Plan View

E1 & E2
Fender & Fender Chain Pad Eye Details

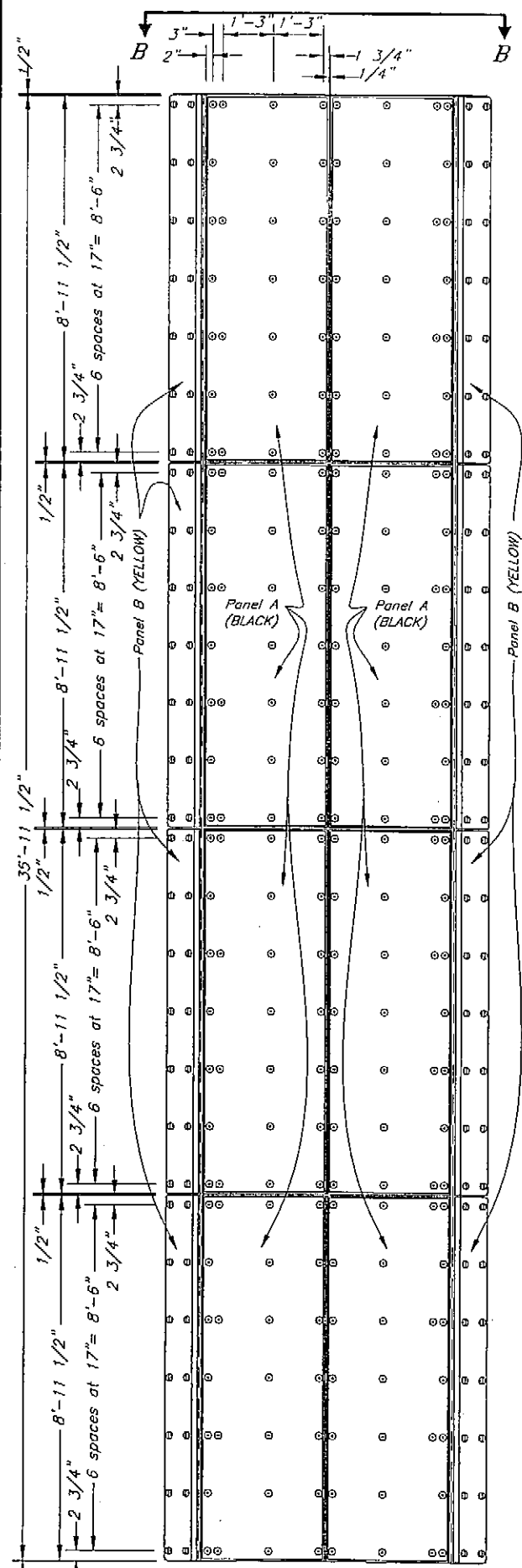
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

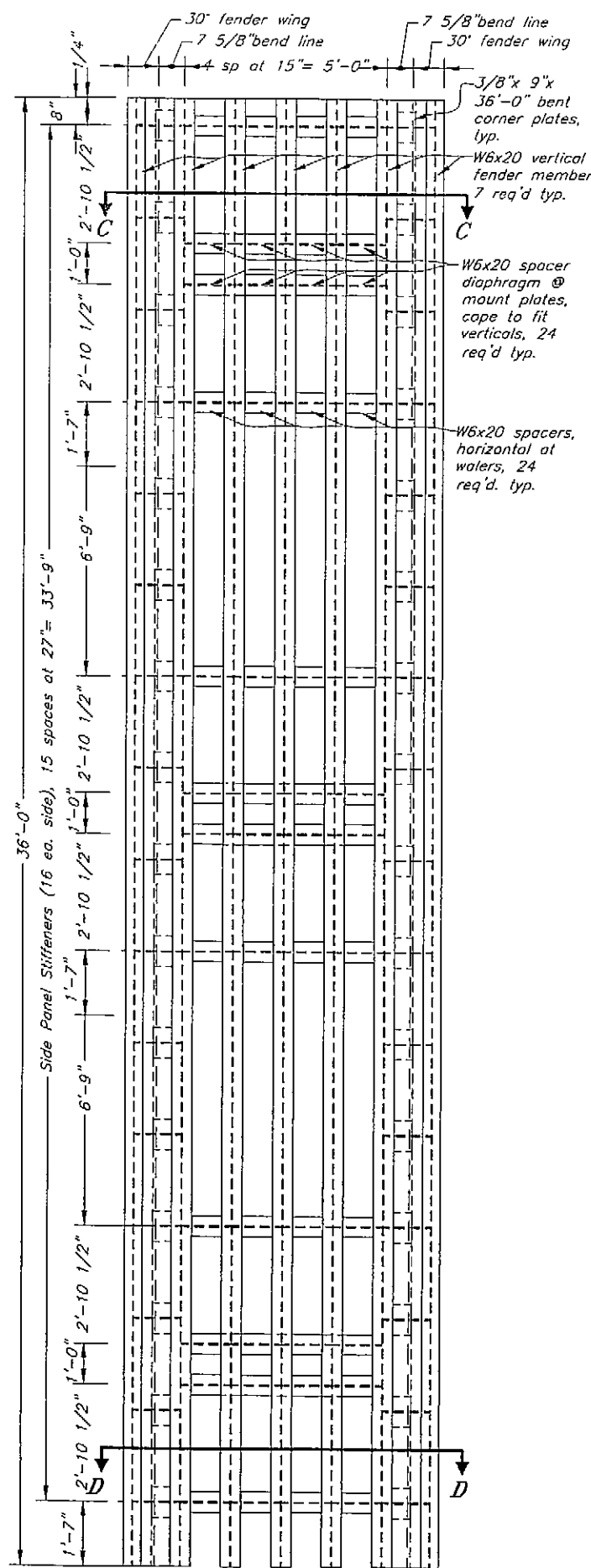
South Mitkof Ferry Terminal

Mooring Structures E1 & E2 - Lower Cap & Lower Waler Details

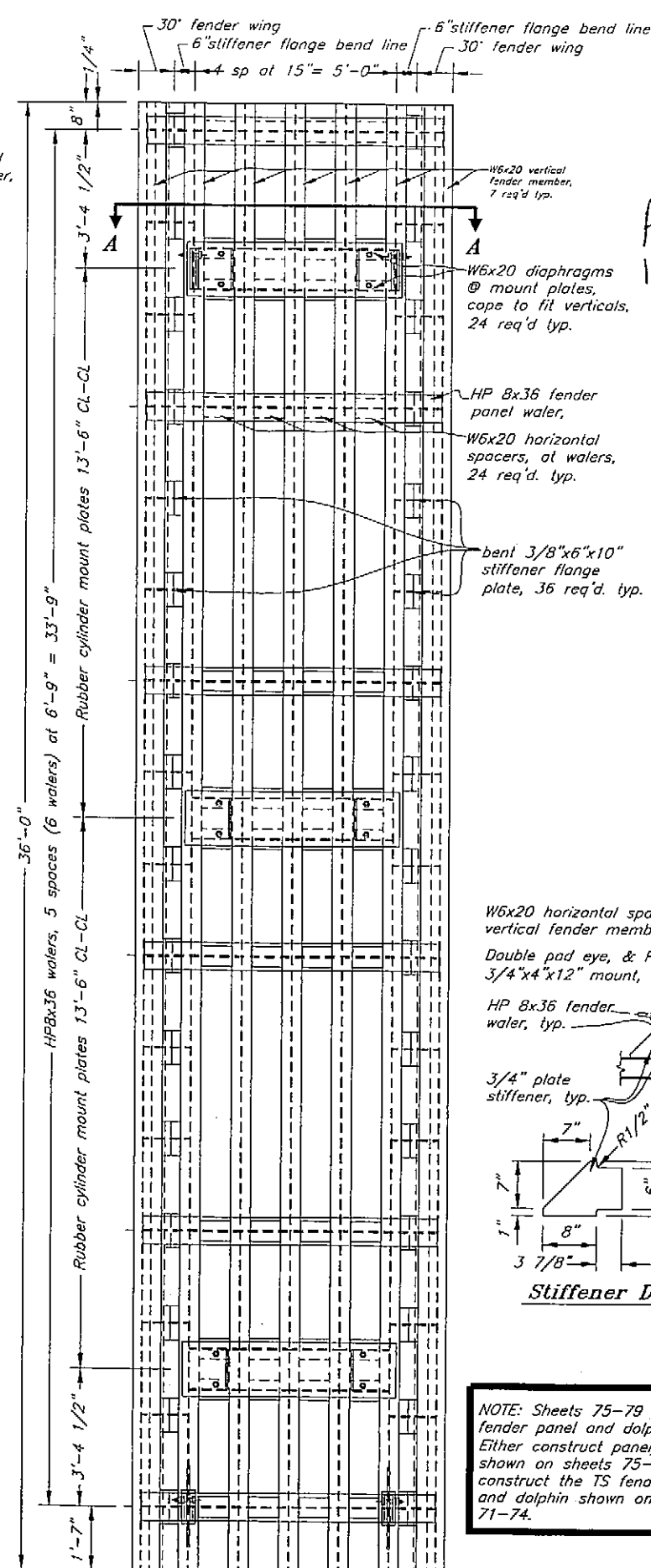
DESIGNED BY: <i>J. Scott</i>  CHECKED BY: <i>B. Savikko</i> DRAWN BY: <i>J. Scott</i>	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION South Mitkof Ferry Terminal Mooring Structures E1 & E2 - Lower Cap & Lower Water Details																							
PATH: <i>Q:\Psg\67833\MF\Planset\076 E1 & E2 W/ Lower Cap & Water Details.dwg</i> PLOT: PSPACE 1=1																								
<i>Fr. 01/Apr/05 03:39PM</i>																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3" style="text-align: left; padding: 5px;">REVISIONS</th> </tr> <tr> <th style="width: 10%;">NO.</th> <th style="width: 10%;">DATE</th> <th style="width: 80%;">DESCRIPTION</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	REVISIONS			NO.	DATE	DESCRIPTION										<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">PROJECT DESIGNATION</th> <th style="width: 10%;">YEAR</th> <th style="width: 10%;">SHEET NO.</th> <th style="width: 10%;">TOTAL SHEETS</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; font-size: 1.2em;">67833</td> <td style="text-align: center;">2005</td> <td style="text-align: center;">76</td> <td style="text-align: center;">96</td> </tr> </tbody> </table>	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS	67833	2005	76	96
REVISIONS																								
NO.	DATE	DESCRIPTION																						
PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS																					
67833	2005	76	96																					



**Fender Panel
UHMW Facing**

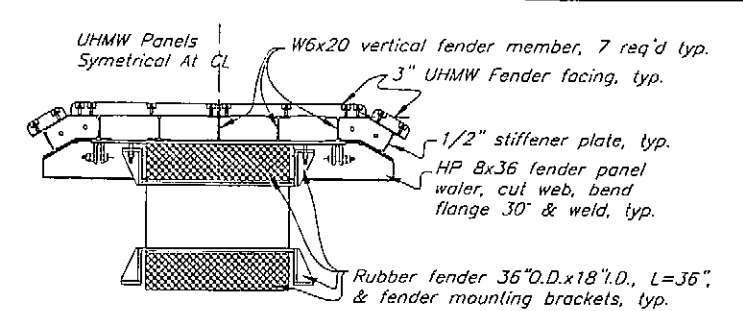


**Front Elevation -
Fender Panel Frame**

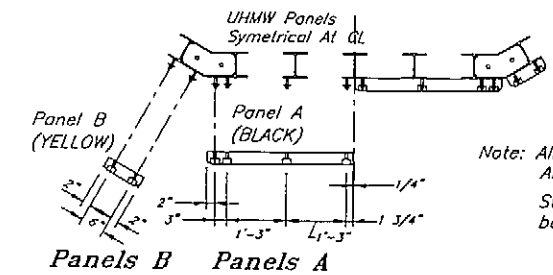


**Rear Elevation -
Fender Panel Frame**

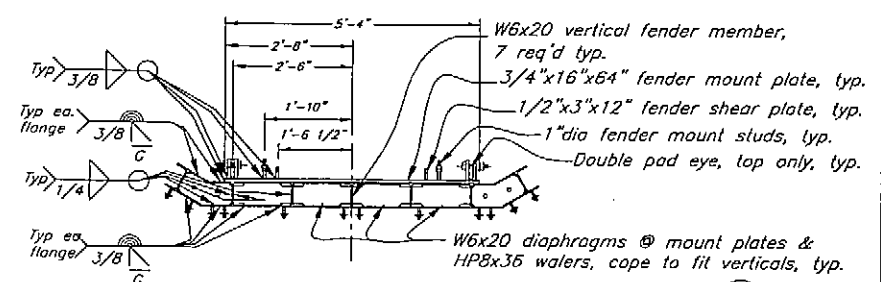
**AS-BUILT
11-1A-06 KLM**



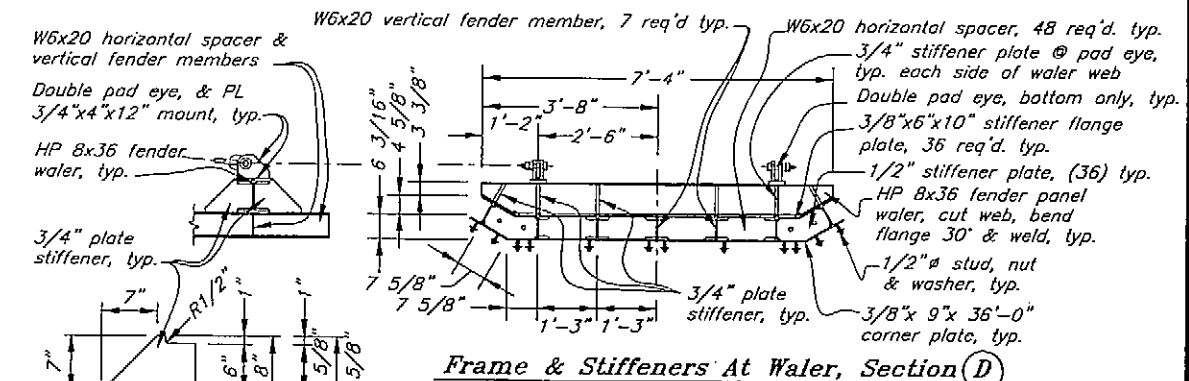
Upper Fender, Section A



UHMW Fender Panels, Section B



Frame & Stiffeners At Fender Mount, Section C



Frame & Stiffeners At Waler, Section D

NOTE: Sheets 75-79 show a WF fender panel and dolphin. Either construct panel/dolphin shown on sheets 75-79 or construct the TS fender system and dolphin shown on sheets 71-74.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: J. Scott

CHECKED BY: B. Savikko

DRAWN BY: J. Scott

PATH: D:\Psg\67833\MF\Planset\077 E1 & E2 WF Fender Details.dwg

PLOT: PSPACE 1=1

PROJECT DESIGNATION: 67833

YEAR: 2005

SHEET NO.: 77

TOTAL SHEETS: 96

South Mitkof Ferry Terminal

**Mooring Structures
E1 & E2 -
Fender Details**

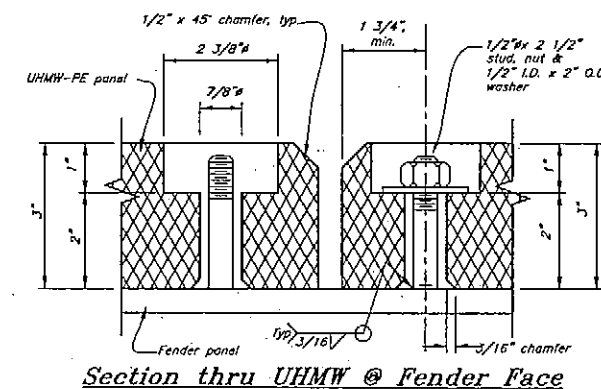
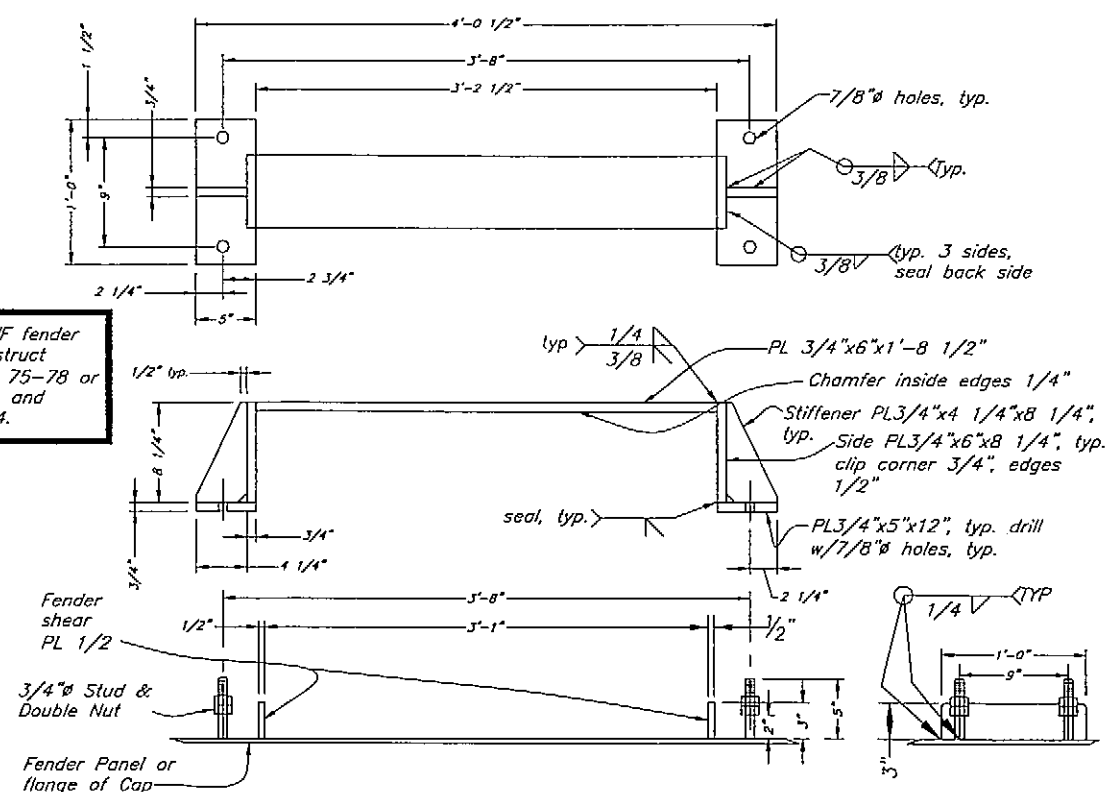
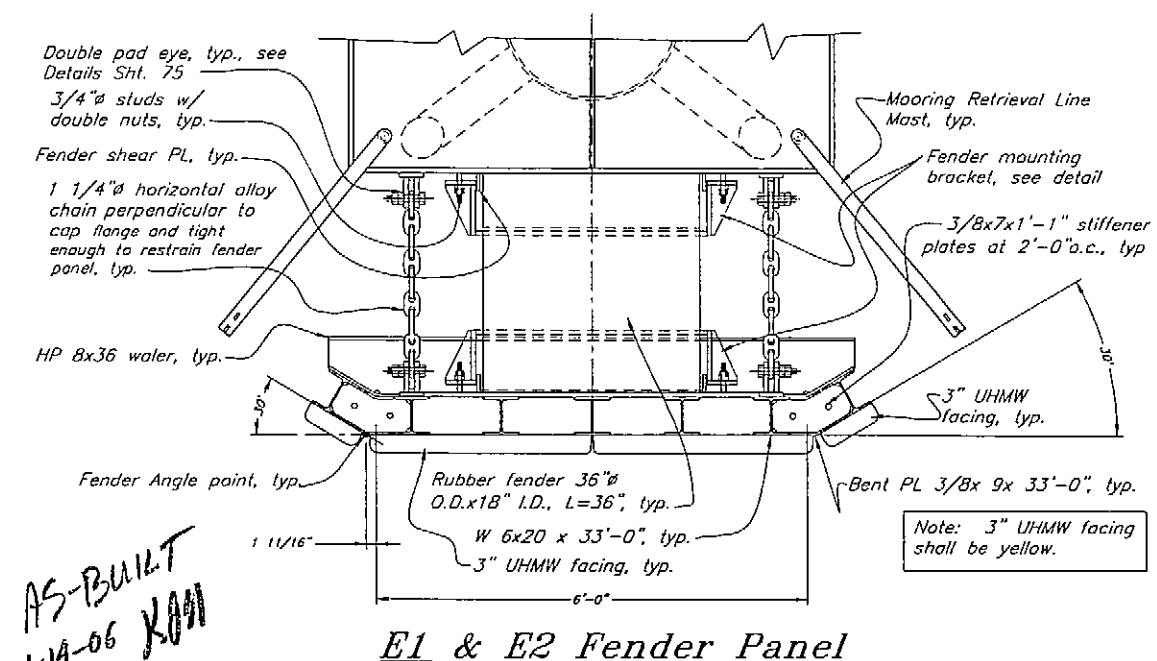
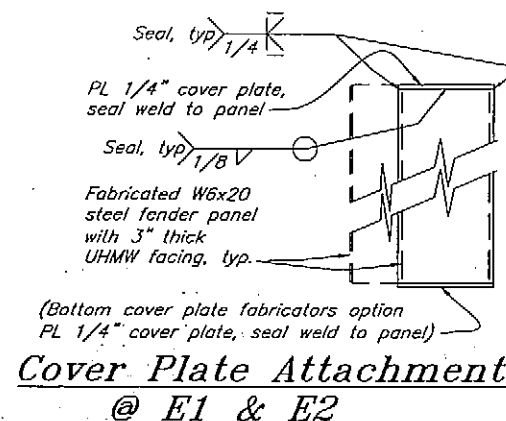
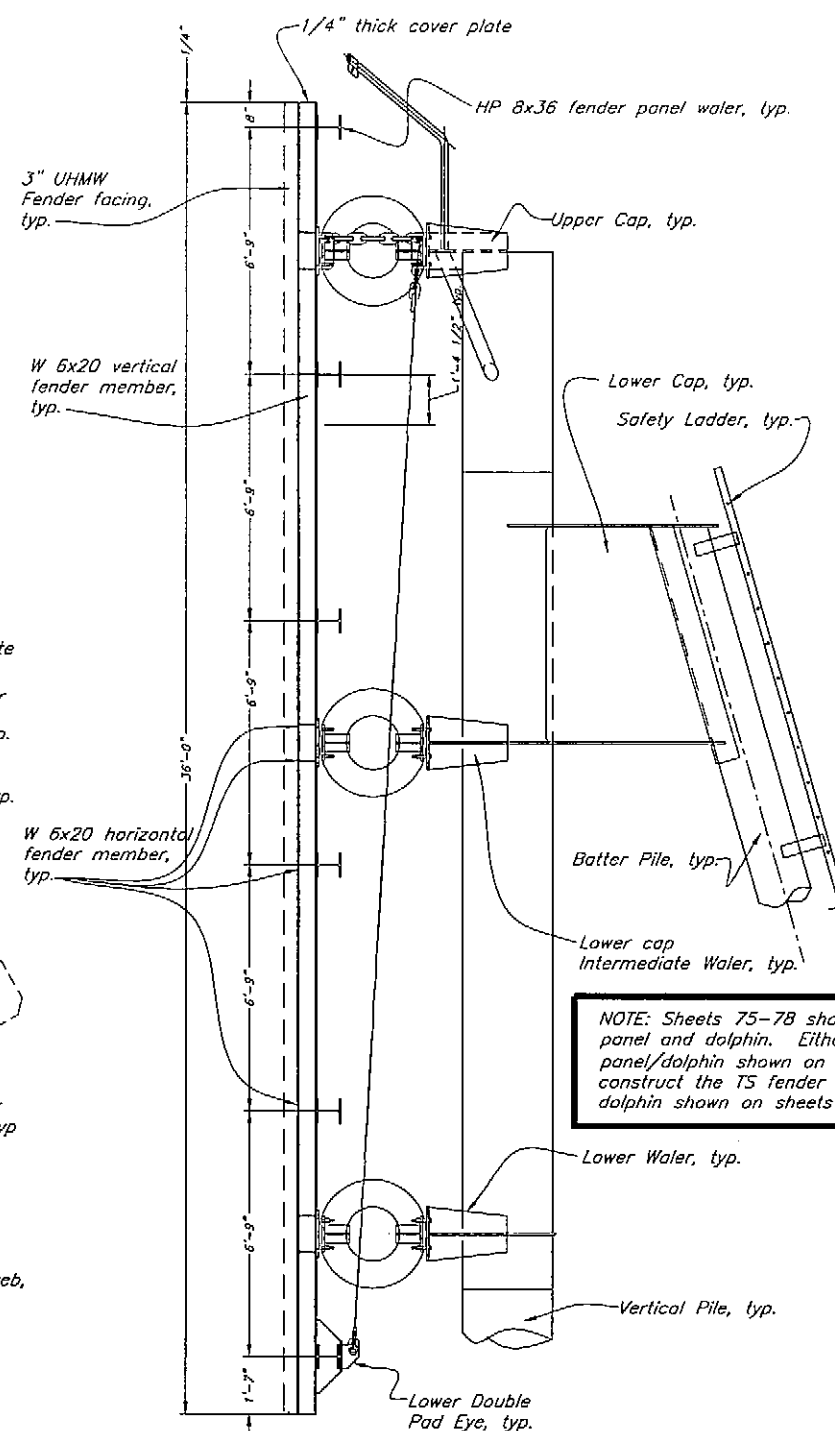
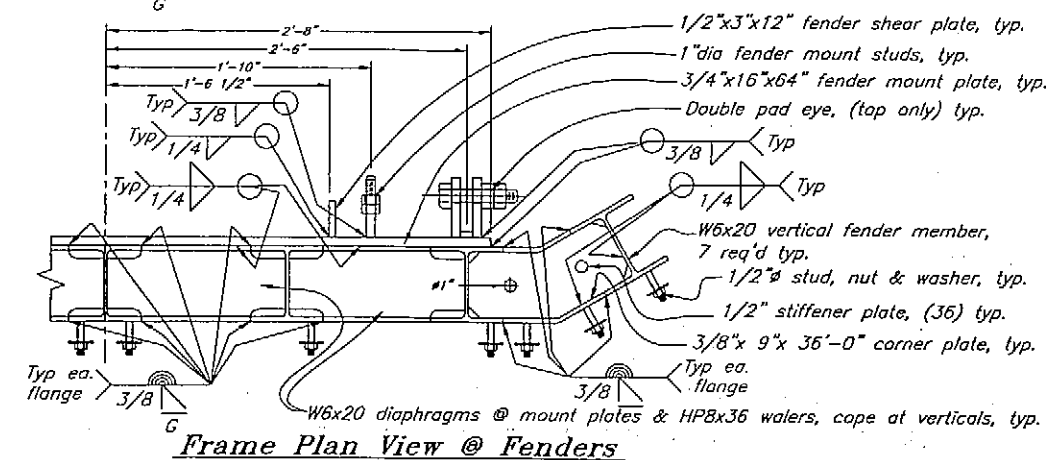
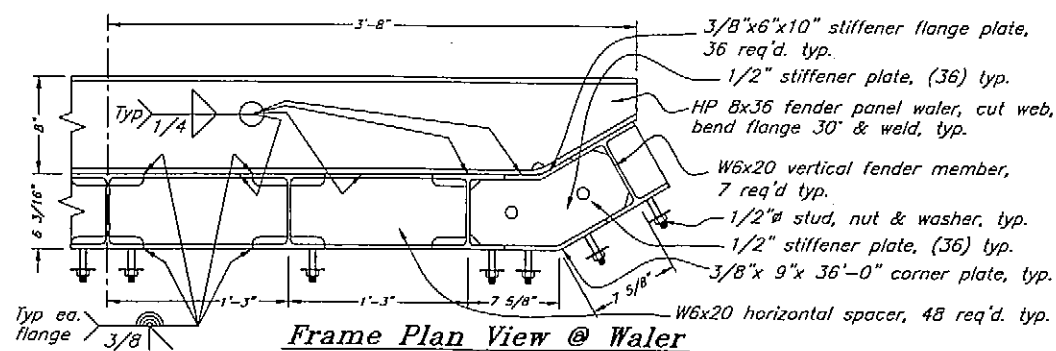
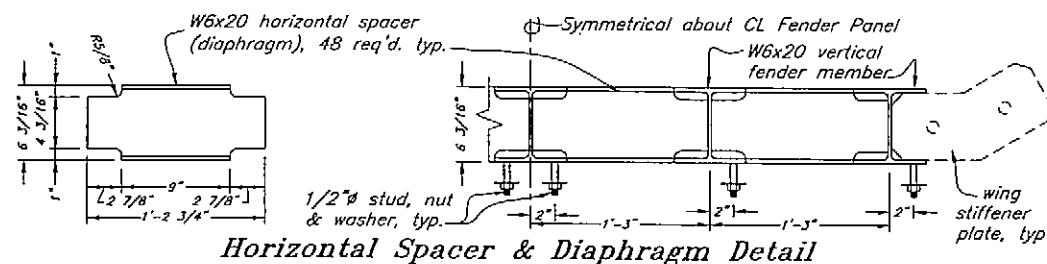
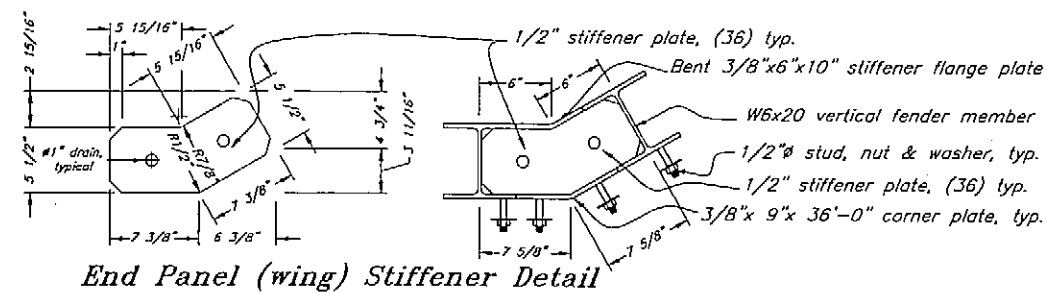
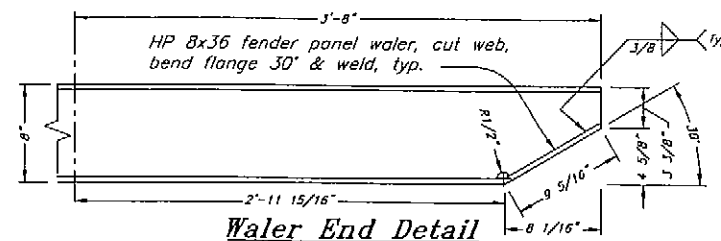
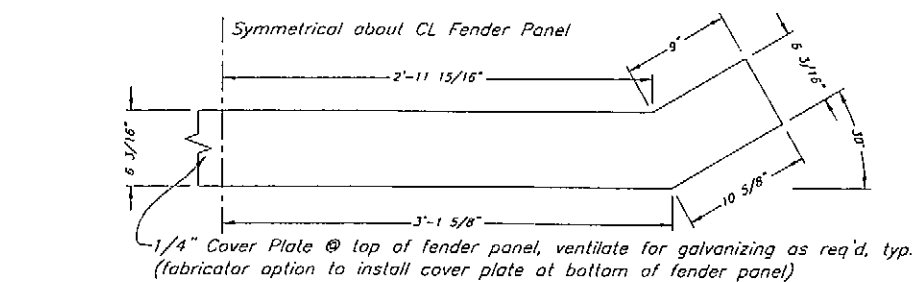
REVISIONS

NO.	DATE	DESCRIPTION

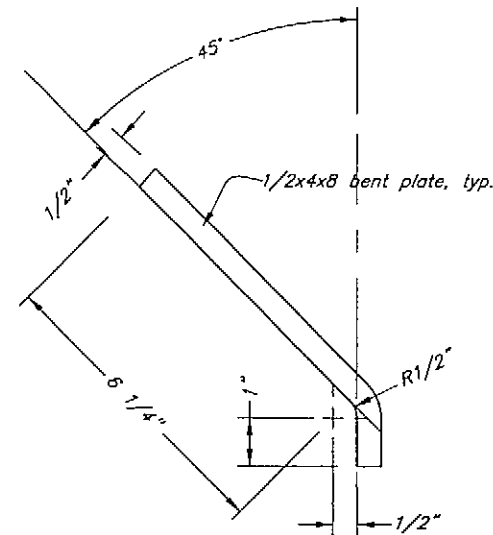
John I. Scott
Professional Engineer
CE-4755

4/25/05

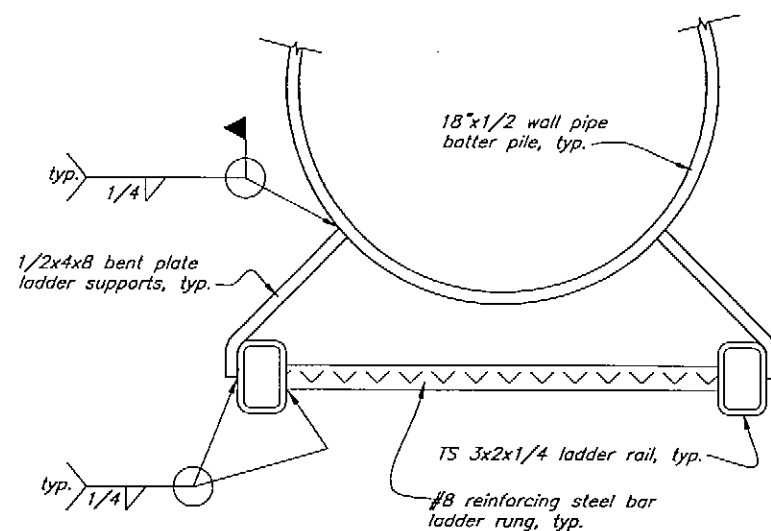
Fri, 01/Apr/05 03:38PM



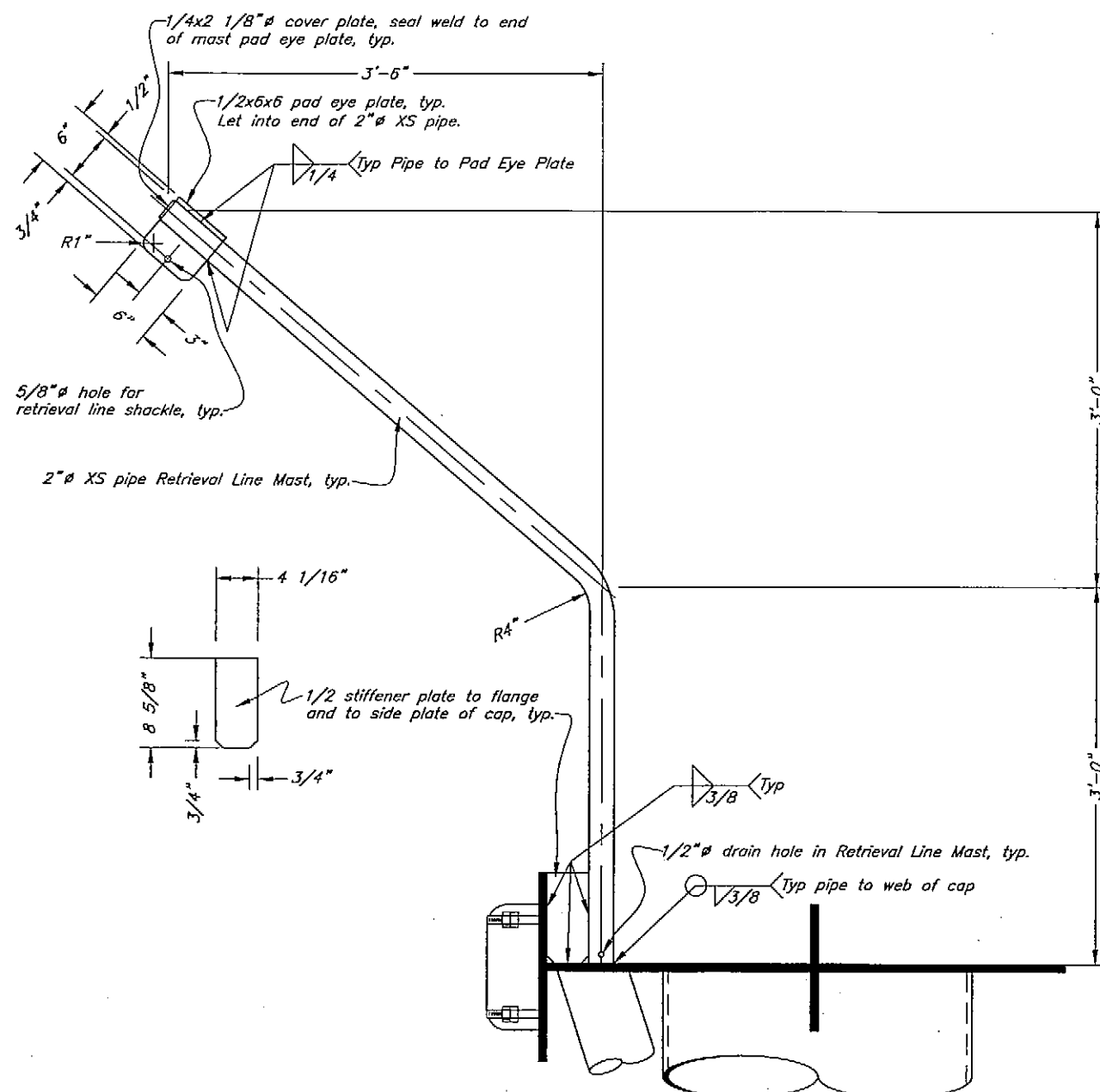
DESIGNED BY: <i>J. Scott</i> 	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION South Mitkof Ferry Terminal Mooring Structures E1 & E2 - Fender Details
CHECKED BY: <i>B. Savikko</i> DRAWN BY: <i>J. Scott</i>	4/25/05
PATH: <i>Q:\Psg\67833\FM\Planset\078 E1 & E2 Wt Fender Details2.dwg</i> PLOT: PSPACE 1=1	



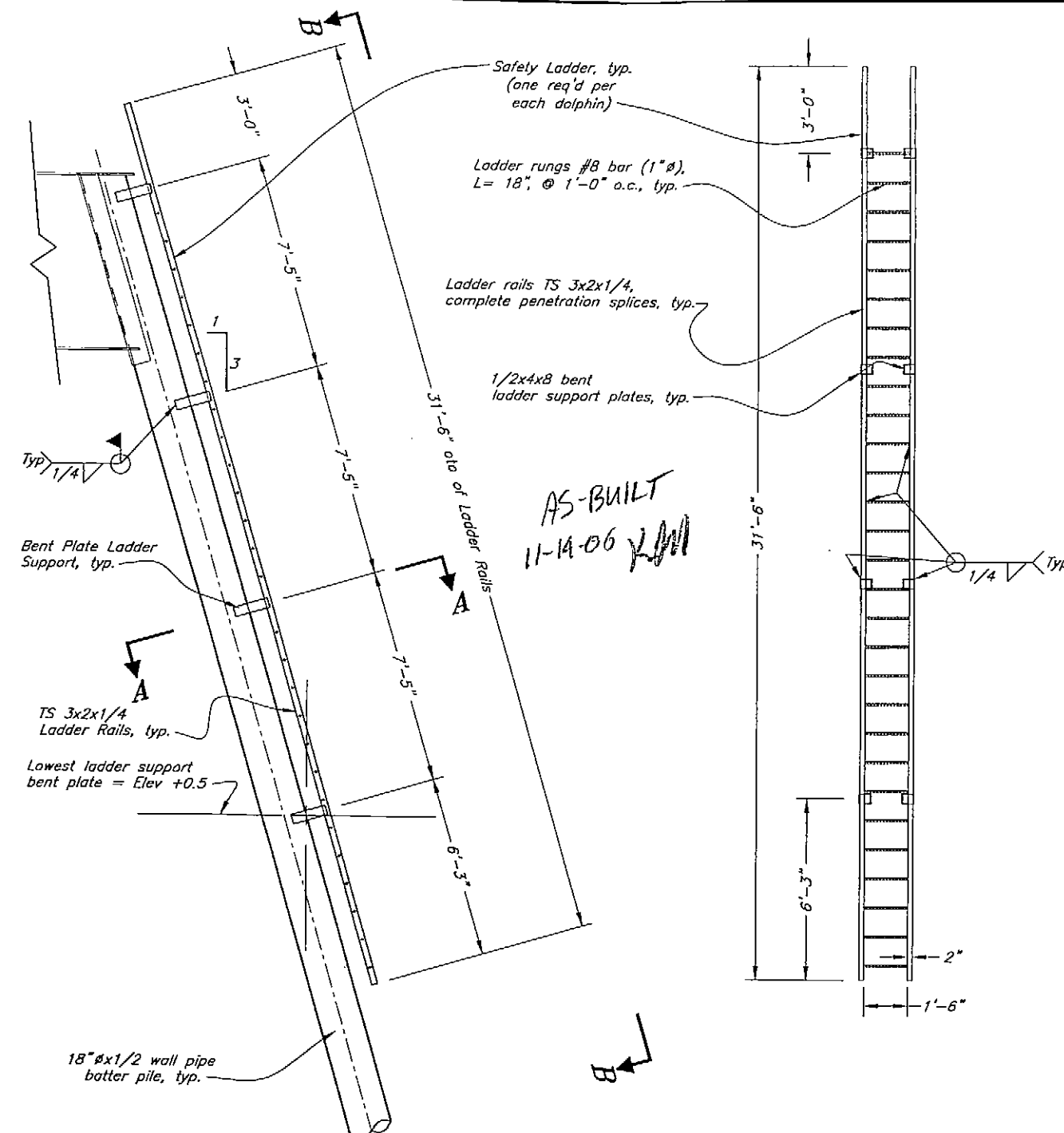
Ladder Support Plate



Section A-A



Retrieval Line Mast Elevation View & Details



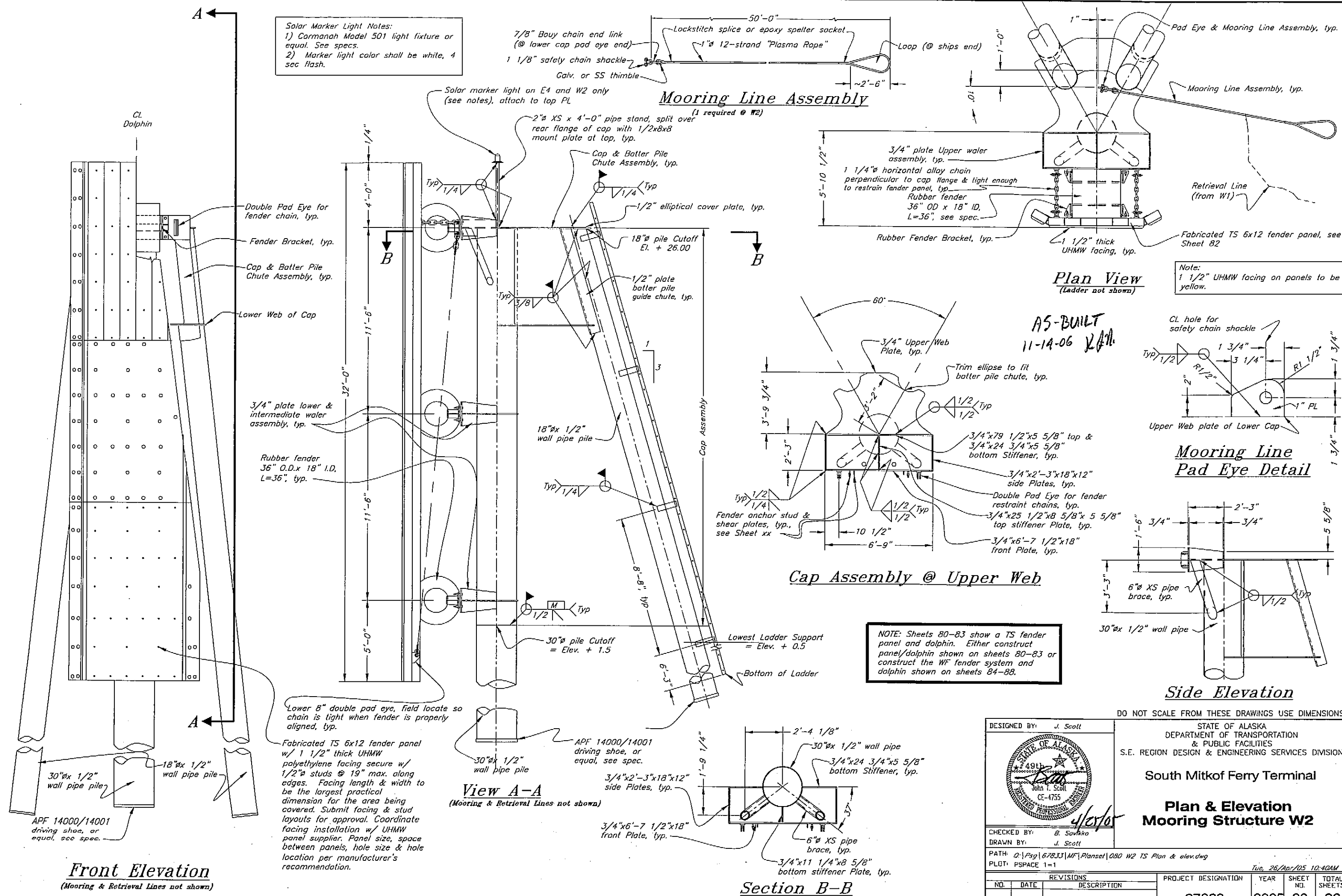
**Ladder Elevation -
Dolphin E1 & E2 Batter Pile**

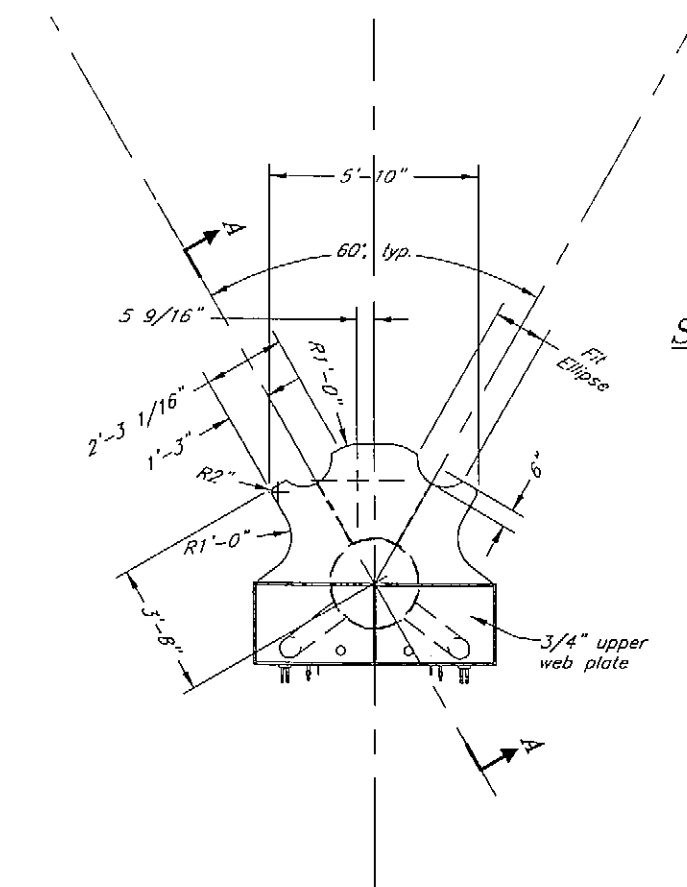
View B-B

NOTE: Sheets 75-79 show a WF fender panel and dolphin. Either construct panel/dolphin shown on sheets 75-79 or construct the TS fender system and dolphin shown on sheets 71-74.

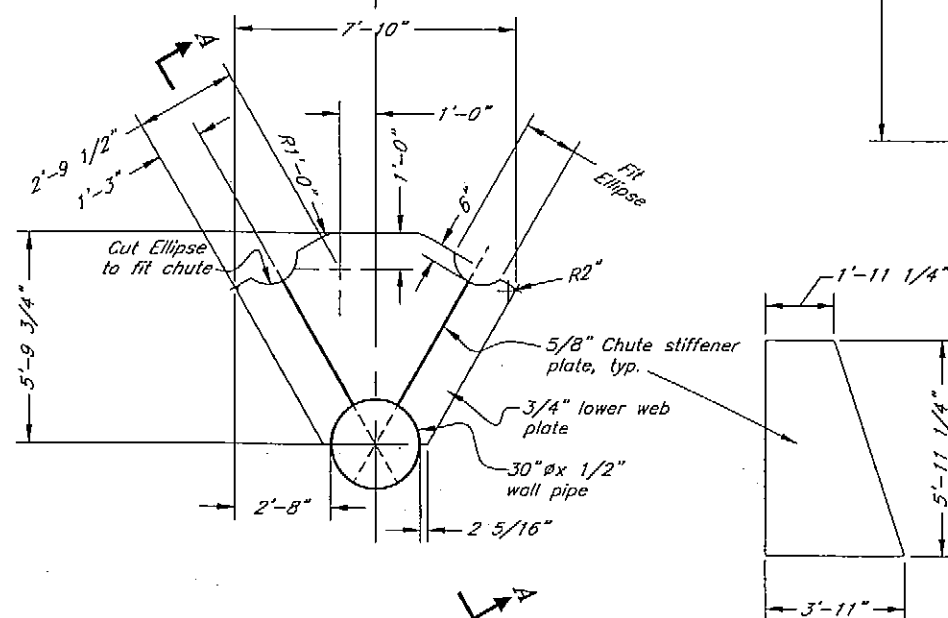
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: J. Scott		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION			
		South Mitkof Ferry Terminal			
CHECKED BY: B. Savikko		Mooring Structures E1 & E2 - Ladder Details			
DRAWN BY: J. Scott					
PATH: Q:\Psg\67833\MF\PlanSet\079 E1 & E2 Wf Ladder Details.dwg, 01/Apr/05 03:39PM					
PLOT: PSPACE 1=1, Fri, 01/Apr/05 03:39PM					
REVISIONS		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION	67833	2005	79
					96

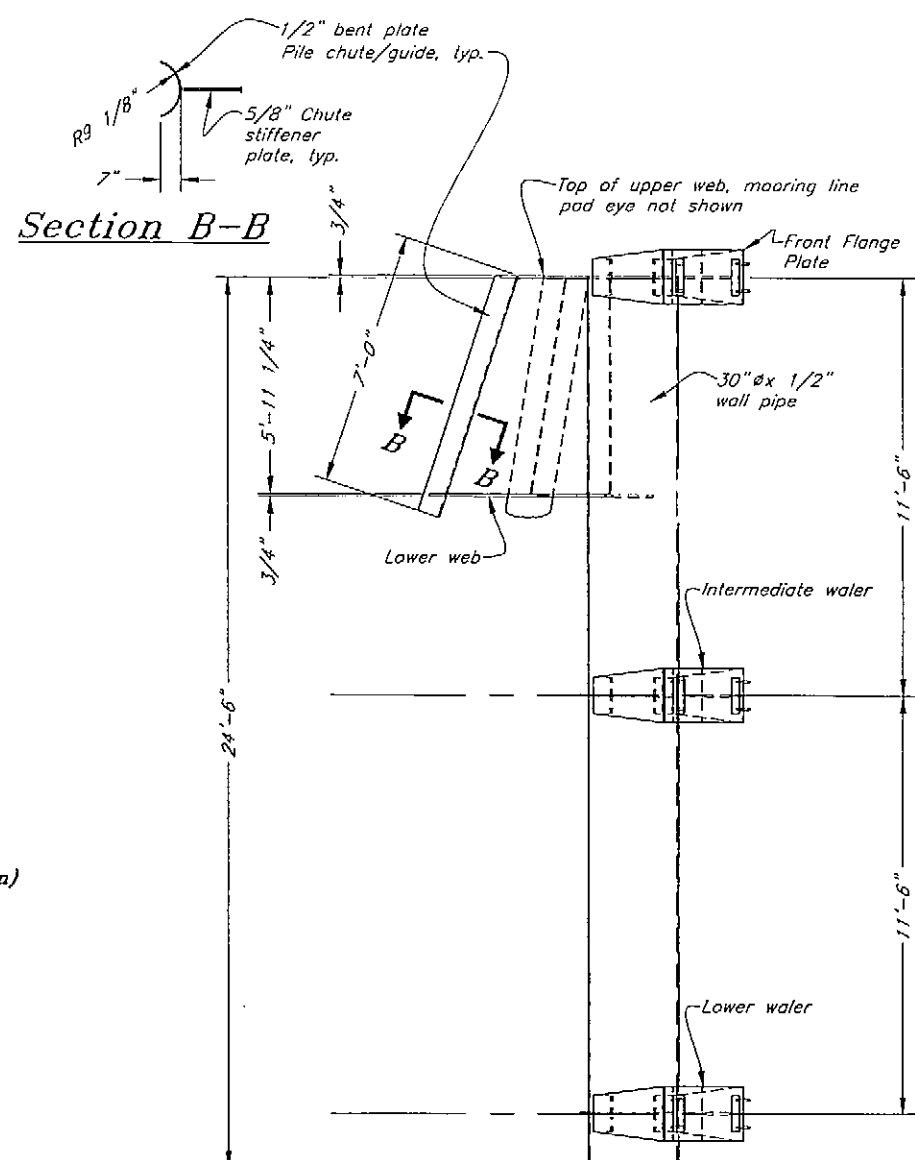




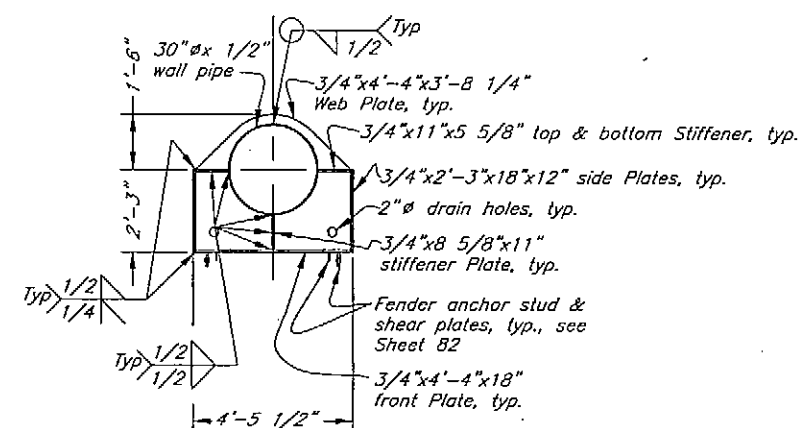
W2 @ Upper Web of Cap
(Bent Plate Pile Chute & Mooring line pad eyes not shown)



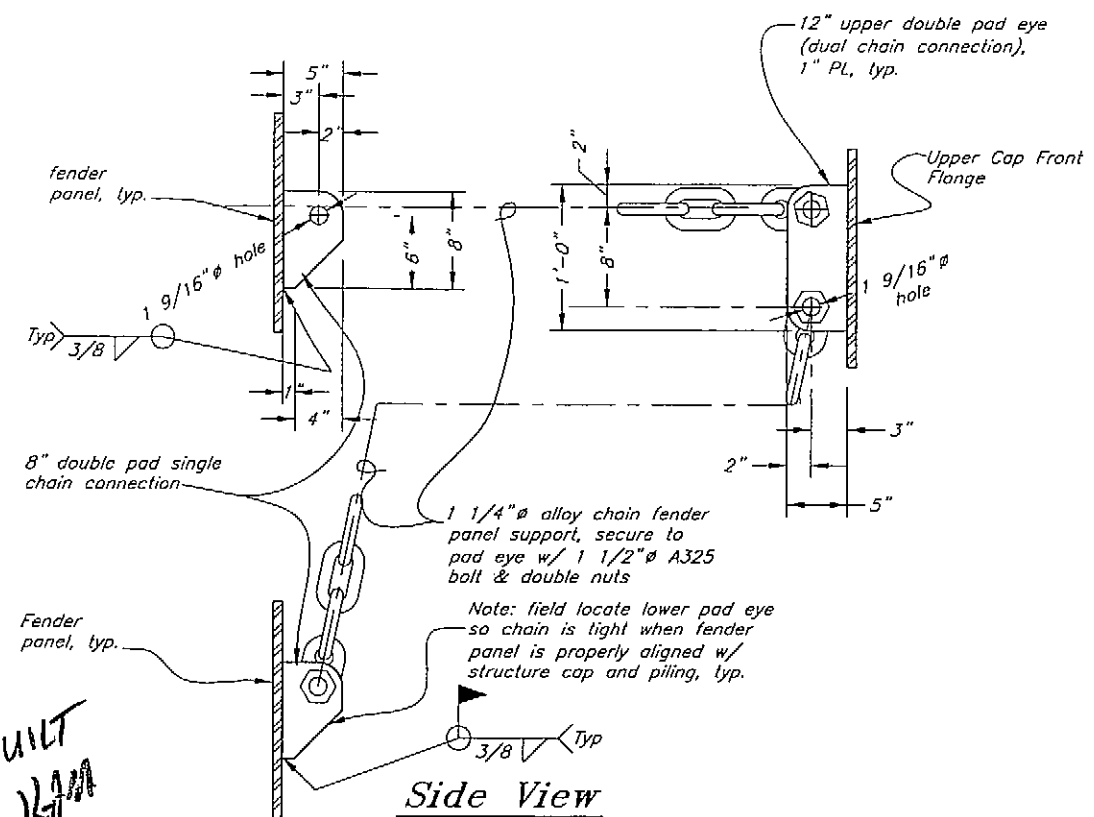
W2 @ Lower Web of Cap
(Bent Plate Pile Chute not shown)



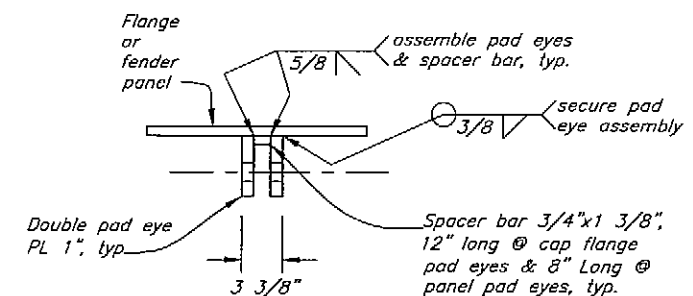
View A-A



W2 Lower & Intermediate Water Assemblies



Side View



Typical Plan View

**E1 & E2
Fender & Fender Chain Pad Eye Details**

NOTE: Sheets 80-83 show a TS fender panel and dolphin. Either construct panel/dolphin shown on sheets 80-83 or construct the WF fender system and dolphin shown on sheets 84-88.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: J. Scott

CHECKED BY: B. Savikko

DRAWN BY: J. Scott

PATH: Q:\Psp\67833\MC\Planset\081 W2 TS Lower Cap & Water Details.dwg

PLOT: PSPACE 1=1

PROJECT DESIGNATION: 67833

YEAR: 2005

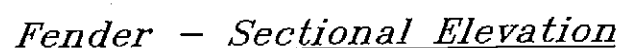
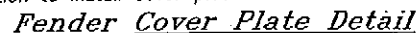
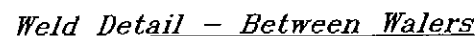
SHEET NO.: 81

TOTAL SHEETS: 96

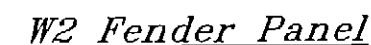
South Mitkof Ferry Terminal

**Mooring Structure
W2 - Cap & Lower Water
Details**

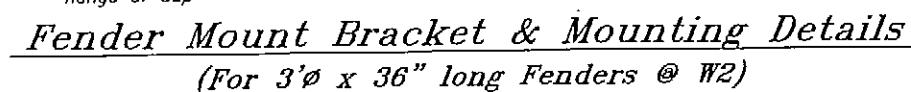
4/25/05



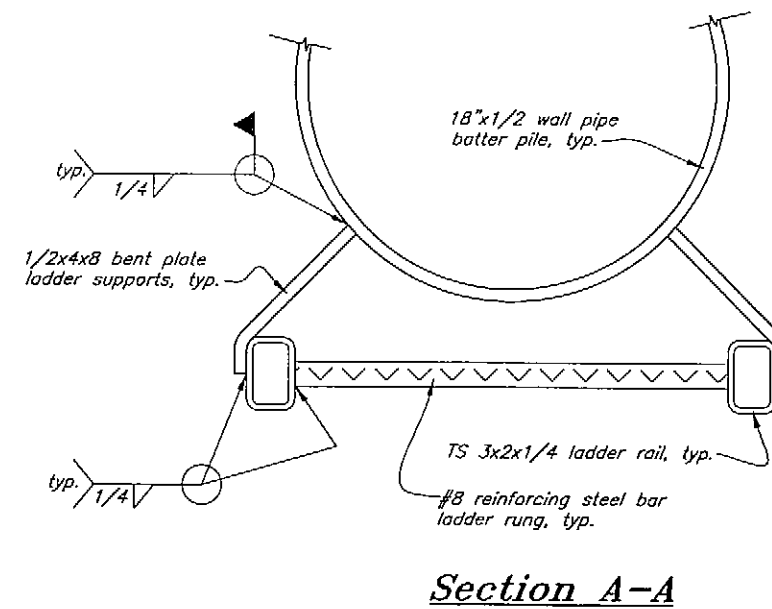
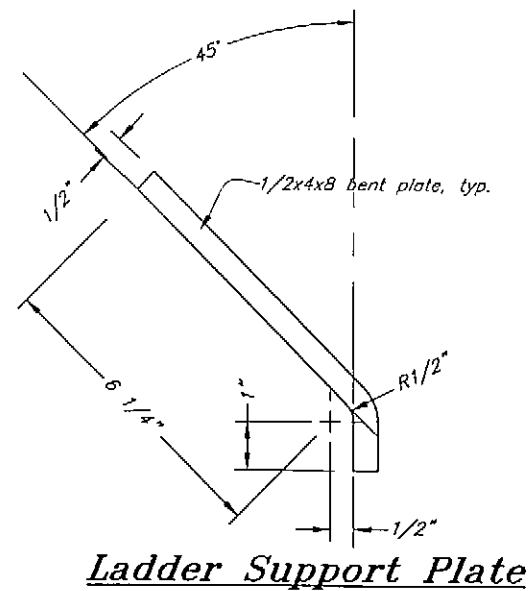
Cover Plate Attachment
@ W2



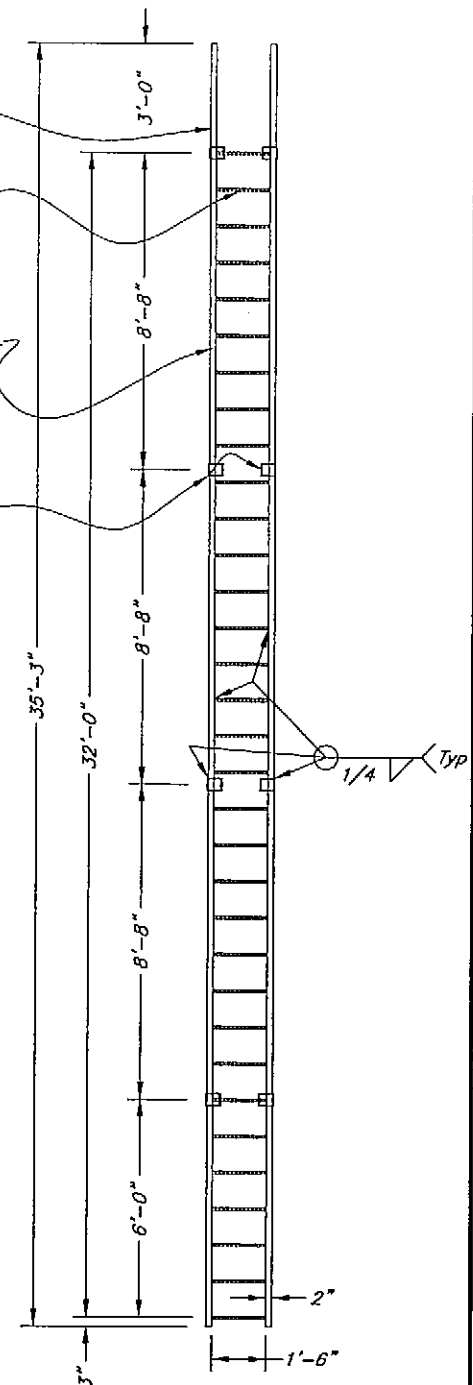
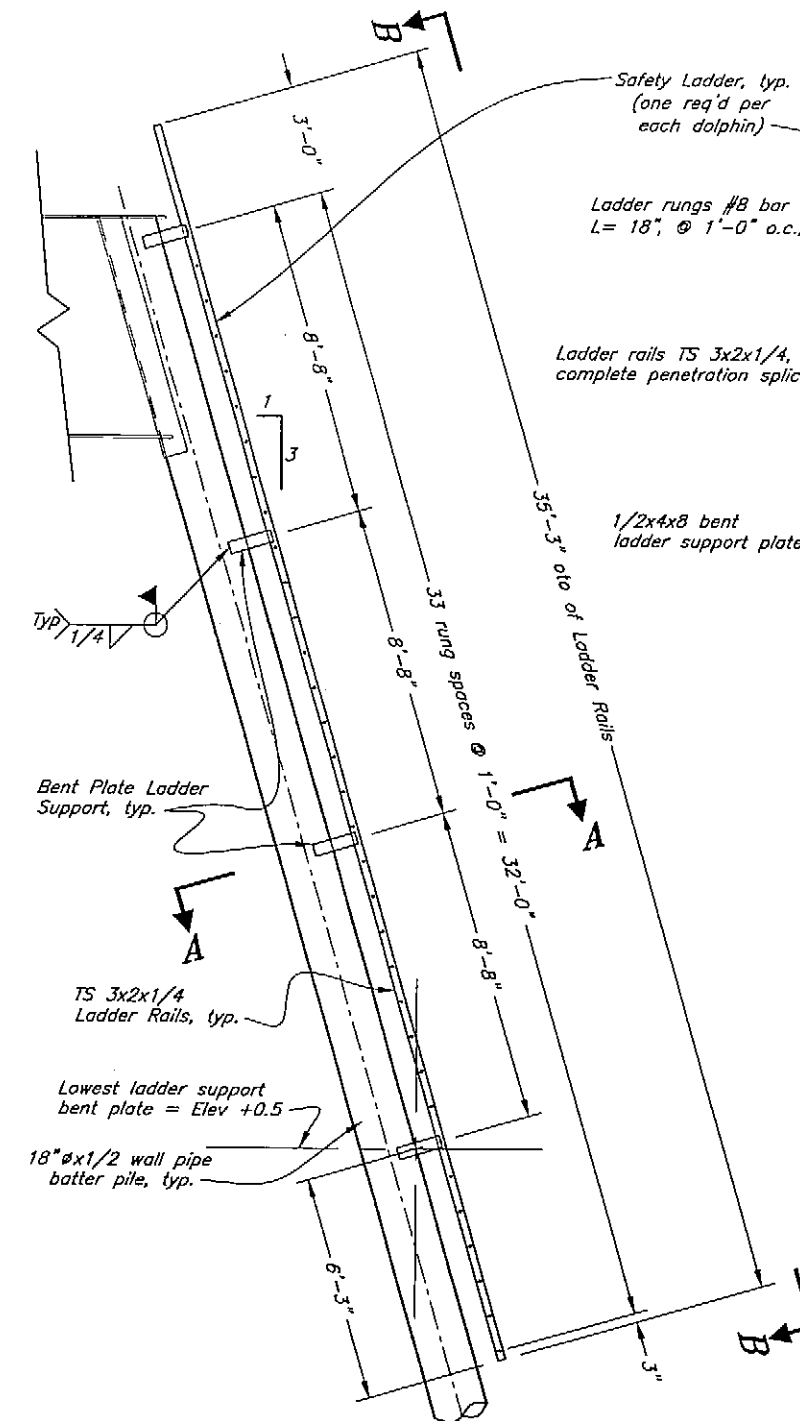
AS-BUILT
11-14-06 RAN



DESIGNED BY: <i>J. Scott</i> 	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION South Mitkof Ferry Terminal Mooring Structure W2 - Fender Details
CHECKED BY: <i>B. Savikko</i> DRAWN BY: <i>J. Scott</i>	<i>4/5/05</i> <i>[Signature]</i>
PATH: <i>Q:\Prg\67833\W\F\PlanSet\002 W2 TS Fender Details.dwg</i> PLOT: PSPACE 1=1	



AS-BUILT
11-14-06 KLM



NOTE: Sheets 80-83 show a TS fender panel and dolphin. Either construct panel/dolphin shown on sheets 80-83 or construct the WF fender system and dolphin shown on sheets 84-88.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: J. Scott

CHECKED BY: B. Salniko

DRAWN BY: J. Scott

PATH: Q:\Psg\67833\MF\PlanSet\083 W2 TS Ladder Details.dwg

PLOT: PSPACE 1=1

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

South Mitkof Ferry Terminal

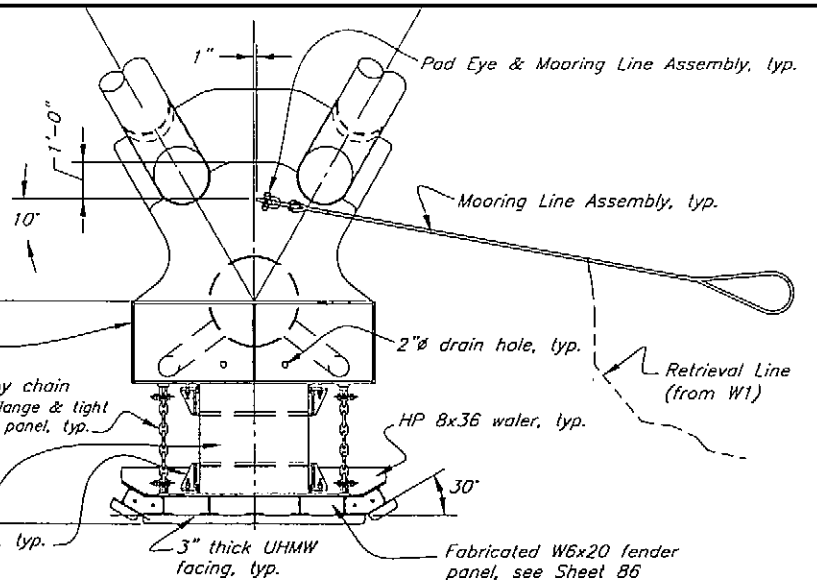
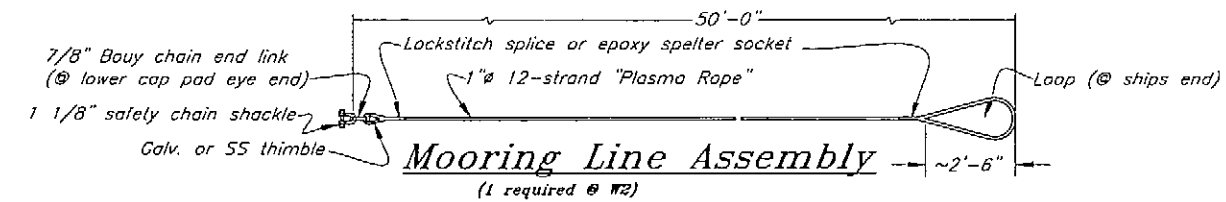
**Mooring Structures
W2 - Ladder Details**

4/25/05

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			67833	2005	83	96

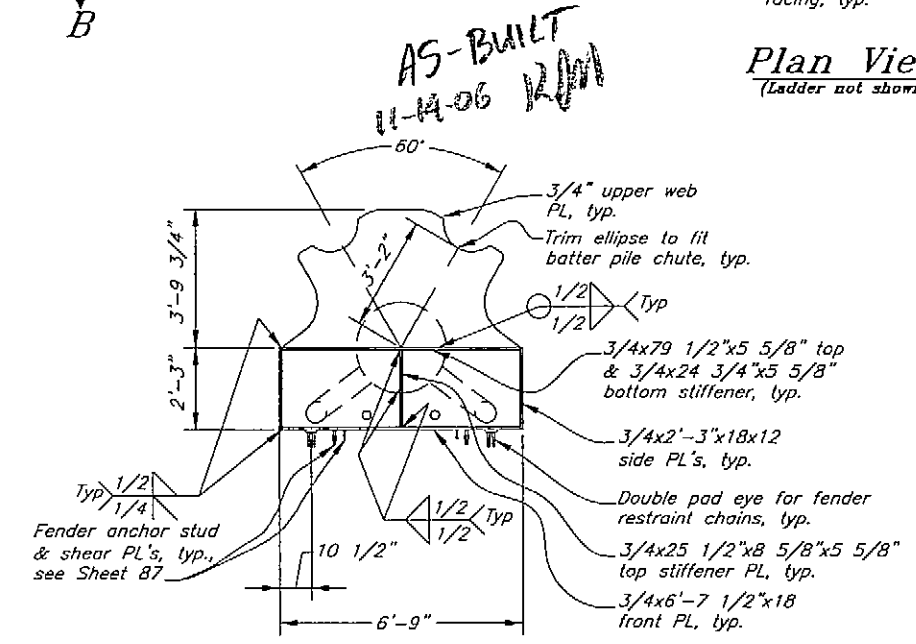
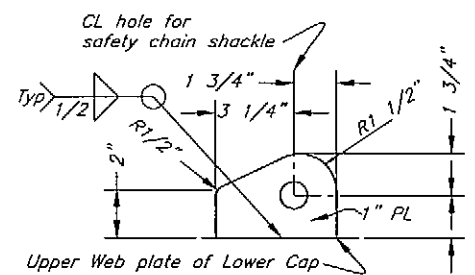
Fri, 01/Apr/05 03:34PM

Solar Marker Light Notes:
 1) Cormar Model 501 light fixture or equal. See specs.
 2) Marker light color shall be white, 4 sec flash.



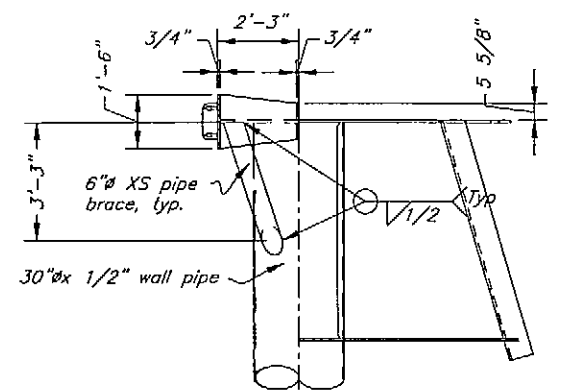
Plan View
 (Ladder not shown)

Note:
 3" UHMW facing on panels to be yellow.

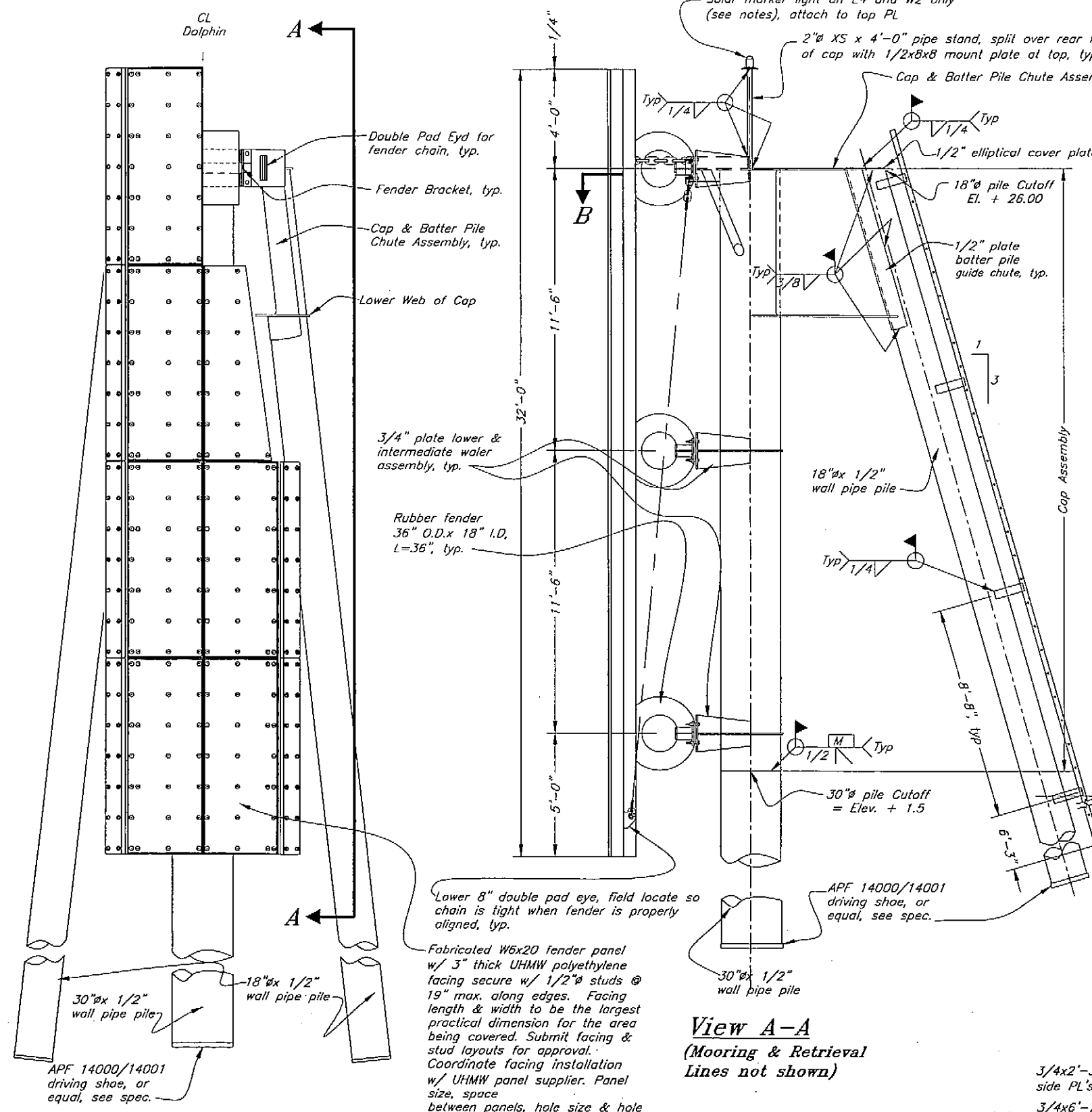


Cap Assembly @ Upper Web

NOTE: Sheets 84-88 show a WF fender panel and dolphin. Either construct panel/dolphin shown on sheets 84-88 or construct the TS fender system and dolphin shown on sheets 80-83.

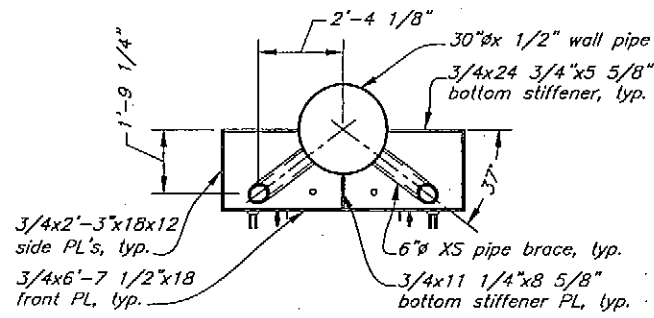


Side Elevation



Front Elevation
 (Mooring & Retrieval Lines not shown)

View A-A
 (Mooring & Retrieval Lines not shown)



Section B-B

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: J. Scott

CHECKED BY: B. Savikko
 DRAWN BY: Staff

PATH: Q:\Psg\67833\MF\Planset\084 W2 WF Plan & elev.dwg
 PLDT: PSPACE 1=1

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

South Mitkof Ferry Terminal

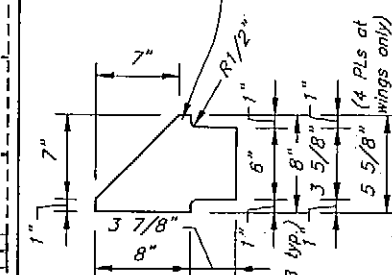
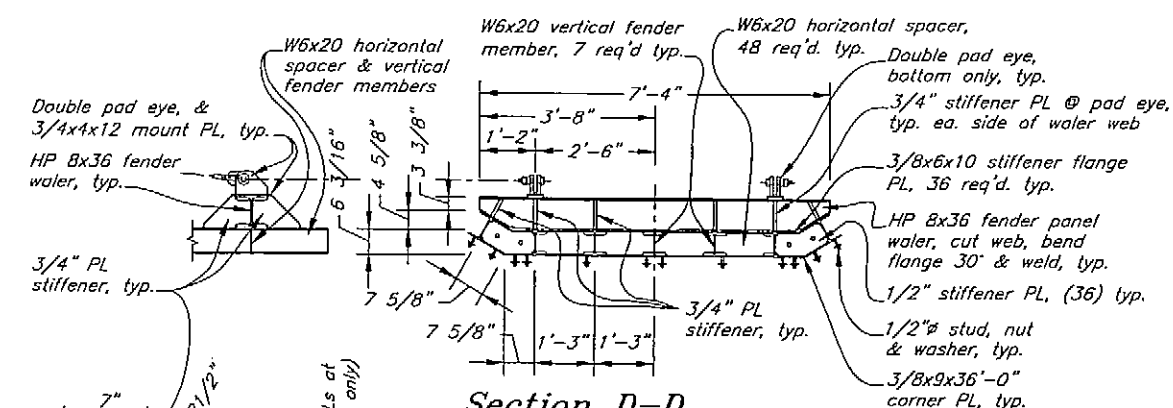
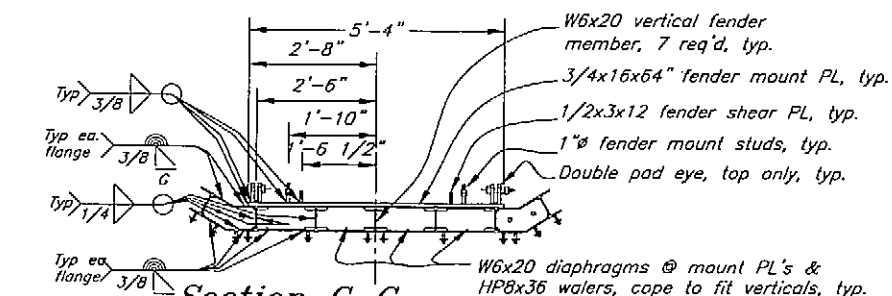
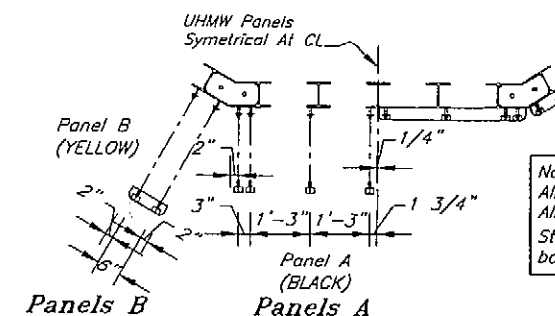
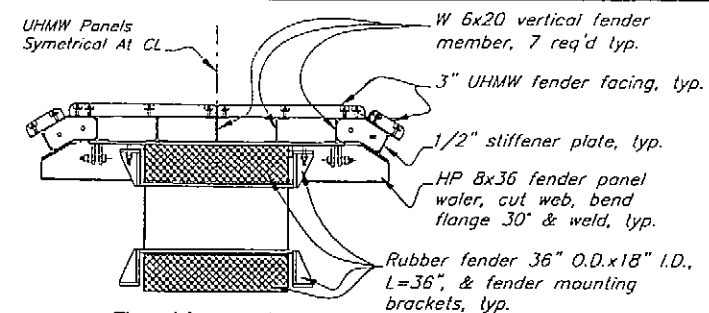
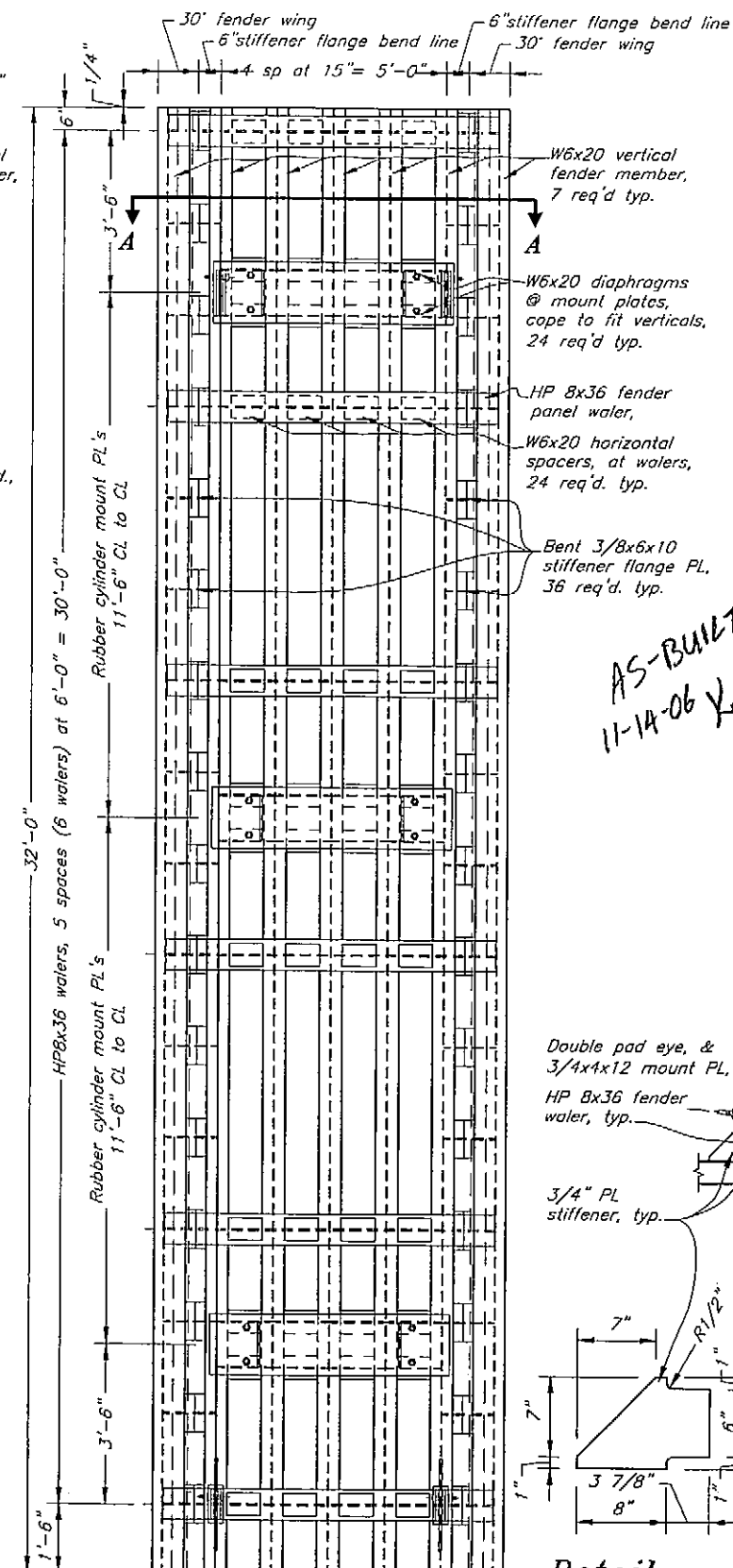
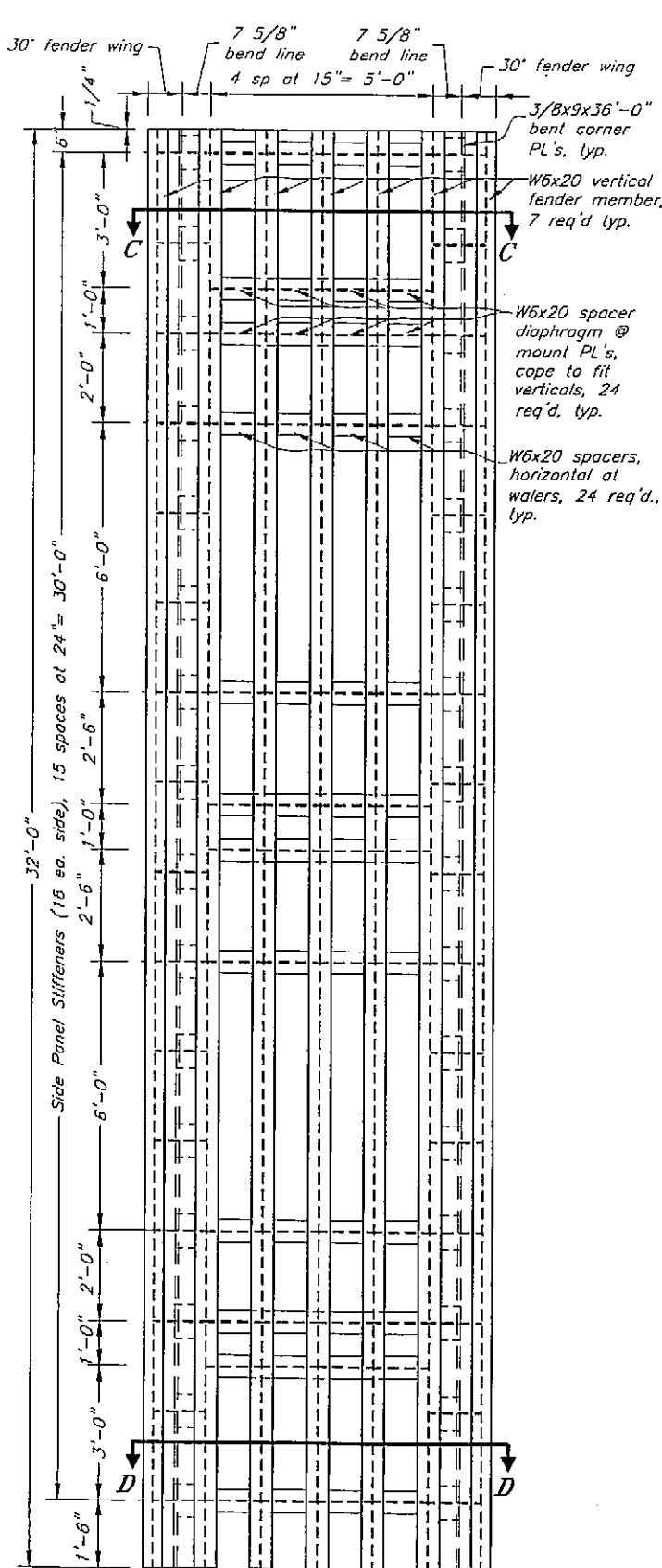
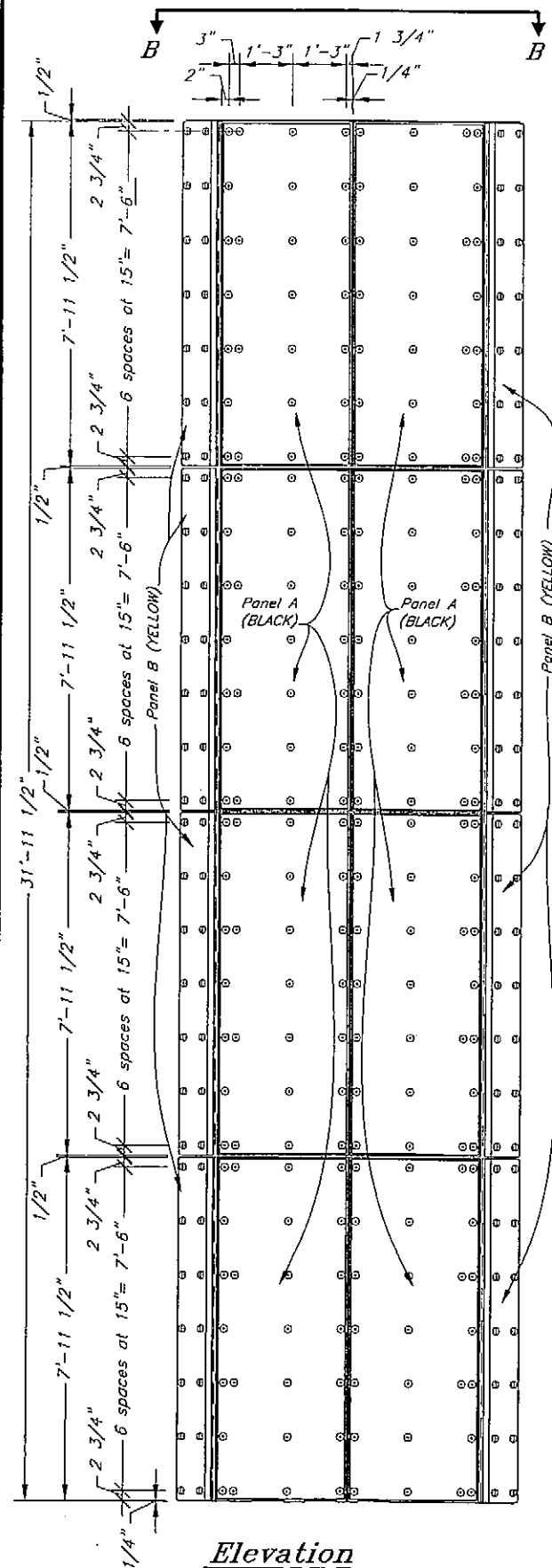
Plan & Elevation Mooring Structure W2

4/25/05

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			67833	2005	84	96

Tue, 26/Apr/05 10:42AM

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			67833	2005	85	96



DESIGNED BY: J. Scott

STATE OF ALASKA
49th
John I. Scott
CE-4755
REGISTERED PROFESSIONAL ENGINEER
4/25

South Mitkof Ferry Terminal

Mooring Structures W2 Fender Details

CHECKED BY: B. E. [Signature]

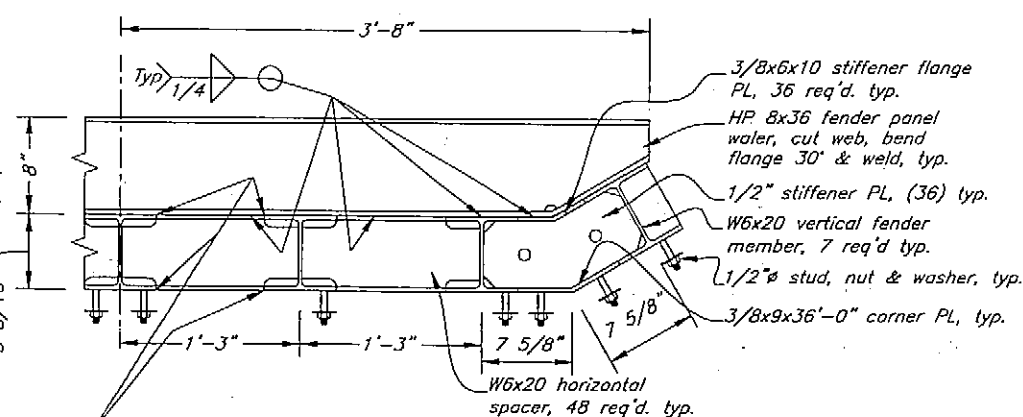
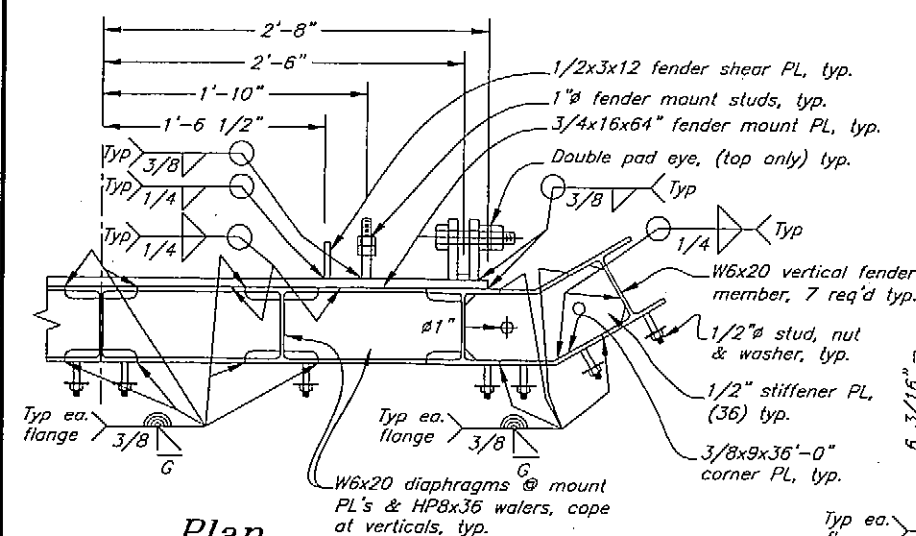
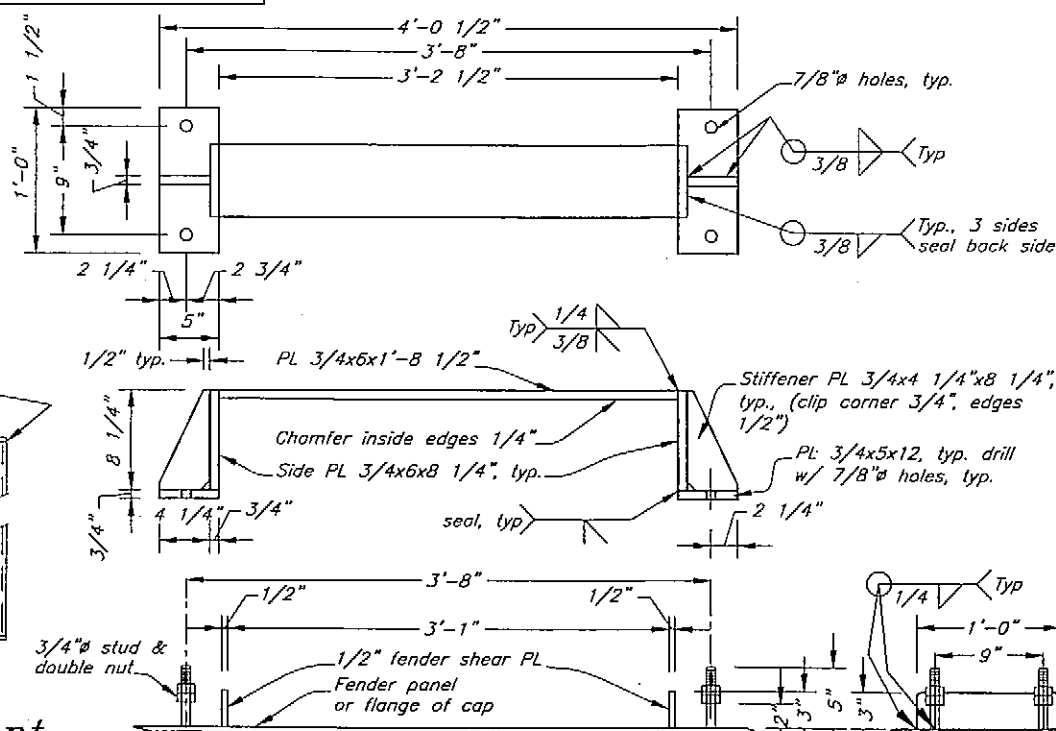
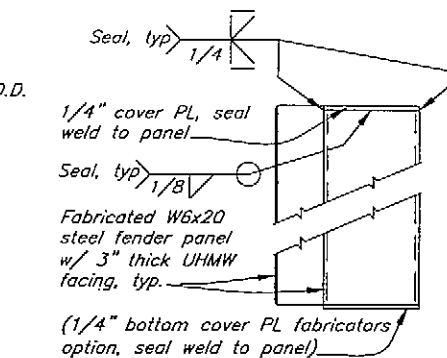
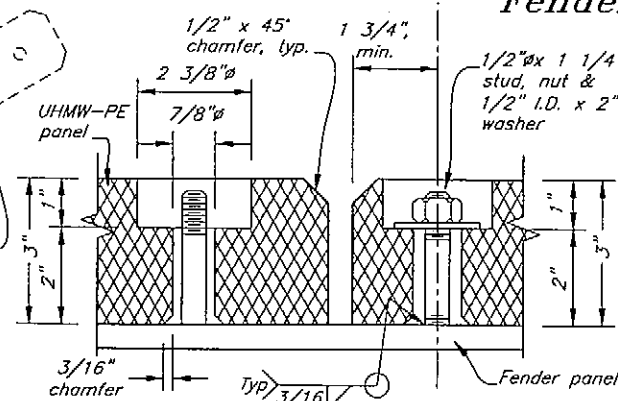
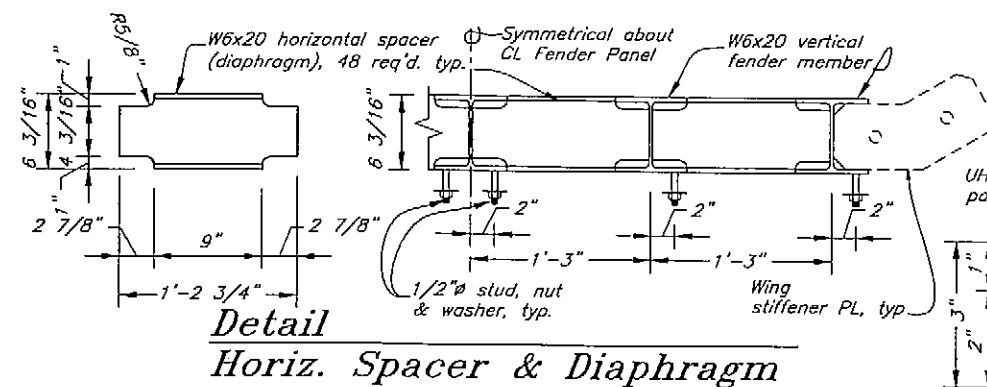
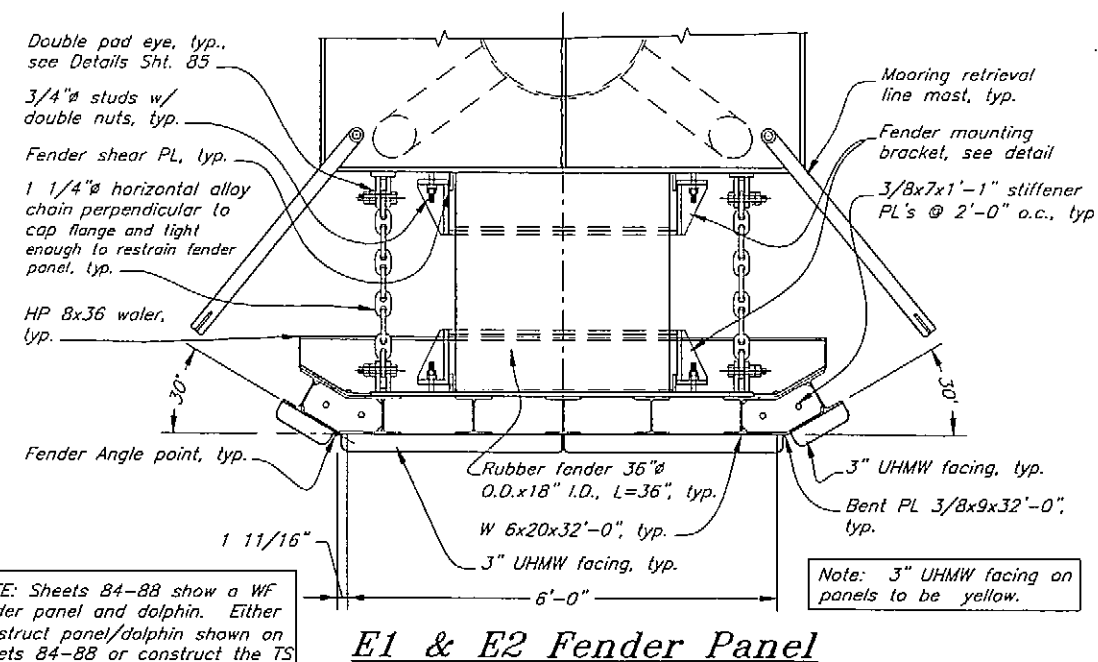
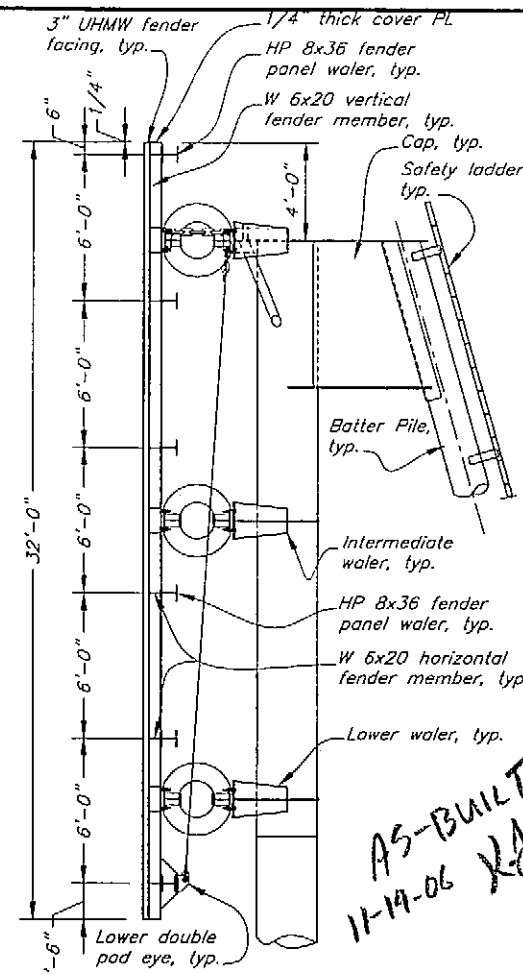
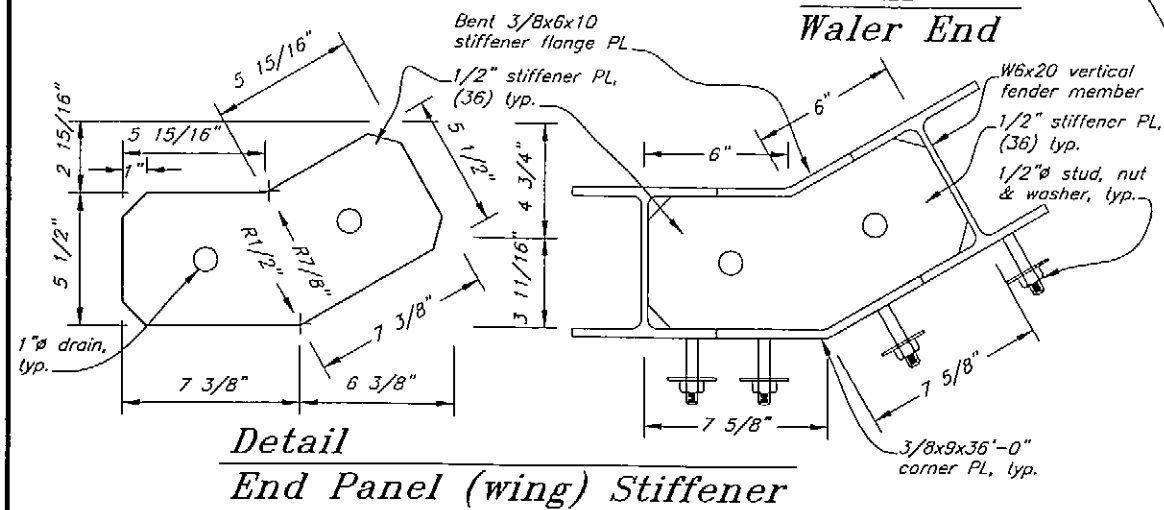
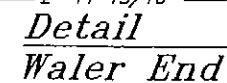
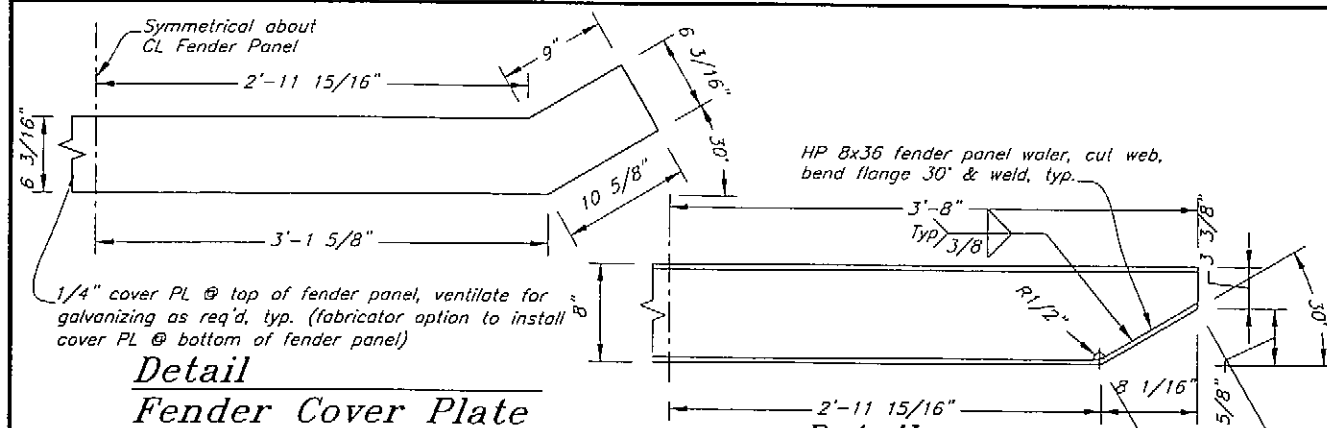
DRAWN BY: J. E. M.

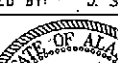
DRAWN BY: J. Scott	
DATE:	

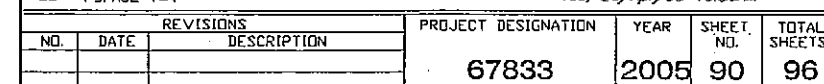
PATH: Q: |Psg| 675

Tue. 19/Apr/05 12:21PM

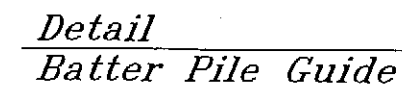
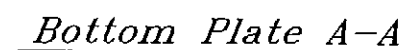
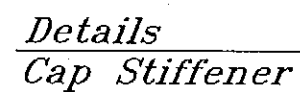
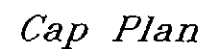
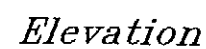
REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			67833	2005	86	96



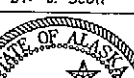
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS	
DESIGNED BY: <i>J. Scott</i>	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION South Mitkof Ferry Terminal
 <i>4/23/05</i>	Mooring Structures W2 Fender Details
CHECKED BY: <i>B. Sawikka</i> DRAWN BY: <i>J. Scott</i>	
PATH: <i>Q:\Psg\67833\WF\Plans\087 W2 WF Fender Details2.dwg</i> PLOT: PSPACE 1=1	

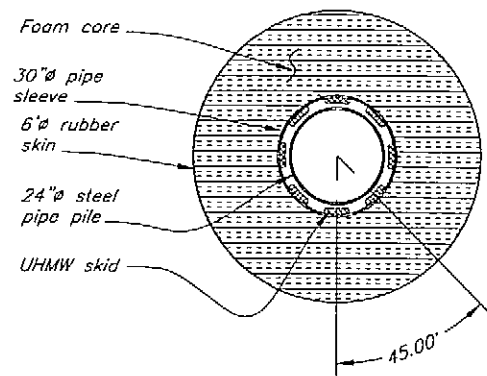


Solar marker light
(see notes), attach
to top PI

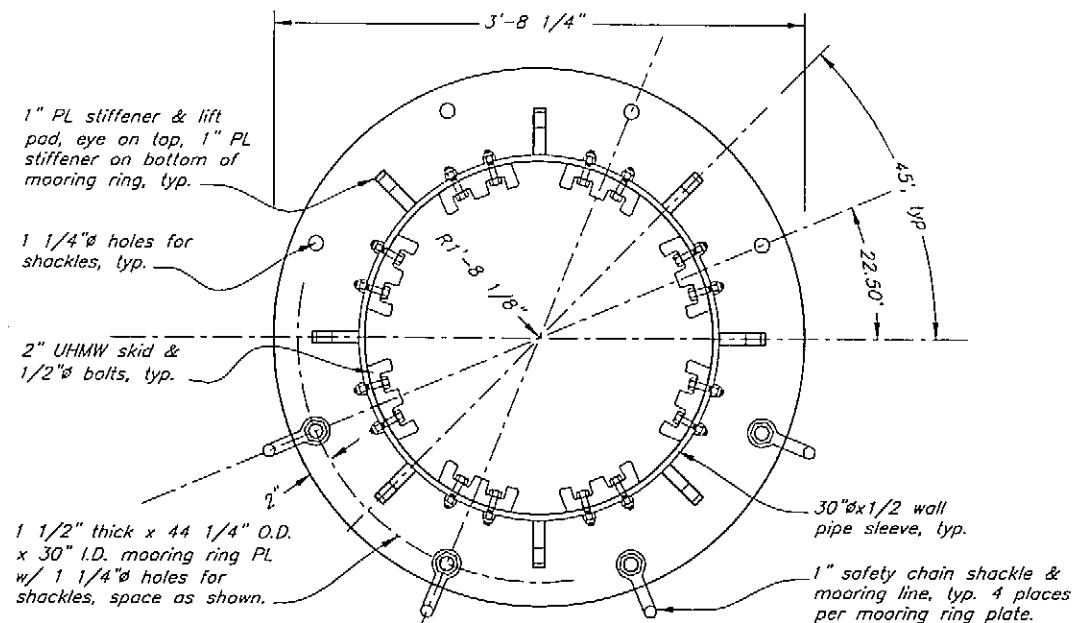


As-built
11-14-06 XFN

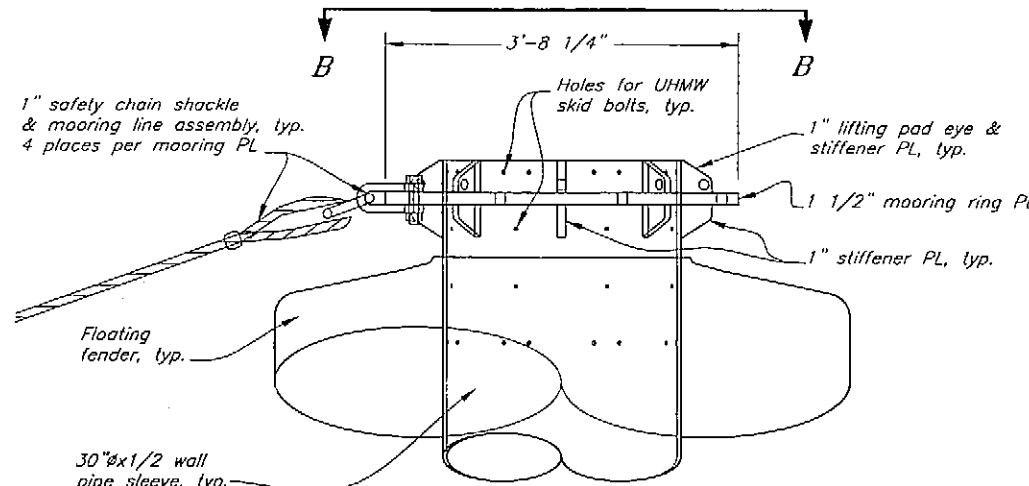
DESIGNED BY: <i>J. Scott</i> 		DO NOT SCALE FROM THESE DRAWINGS OR DIMENSIONS STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION South Mitkof Ferry Terminal Mooring Structure E4																									
CHECKED BY: <i>J. Beedle</i> DRAWN BY: <i>T. Mares</i>		PATH: <i>D:\Psg\67833\MF\Plans\set\091 Dolphin E4.dwg</i> PLOT: PSPACE 1=1 <i>Mon, 25/Apr/05 09:32AM</i>																									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3" style="text-align: center;">REVISIONS</th> </tr> <tr> <th style="width: 10%;">NO.</th> <th style="width: 15%;">DATE</th> <th style="width: 85%;">DESCRIPTION</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>		REVISIONS			NO.	DATE	DESCRIPTION										<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 35%;">PROJECT DESIGNATION</th> <th style="width: 15%;">YEAR</th> <th style="width: 15%;">SHEET NO.</th> <th style="width: 35%;">TOTAL SHEETS</th> </tr> <tr> <td style="text-align: center; font-size: 1.2em;">67833</td> <td style="text-align: center; font-size: 1.2em;">2005</td> <td style="text-align: center; font-size: 1.2em;">91</td> <td style="text-align: center; font-size: 1.2em;">96</td> </tr> </table>			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS	67833	2005	91	96
REVISIONS																											
NO.	DATE	DESCRIPTION																									
PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS																								
67833	2005	91	96																								



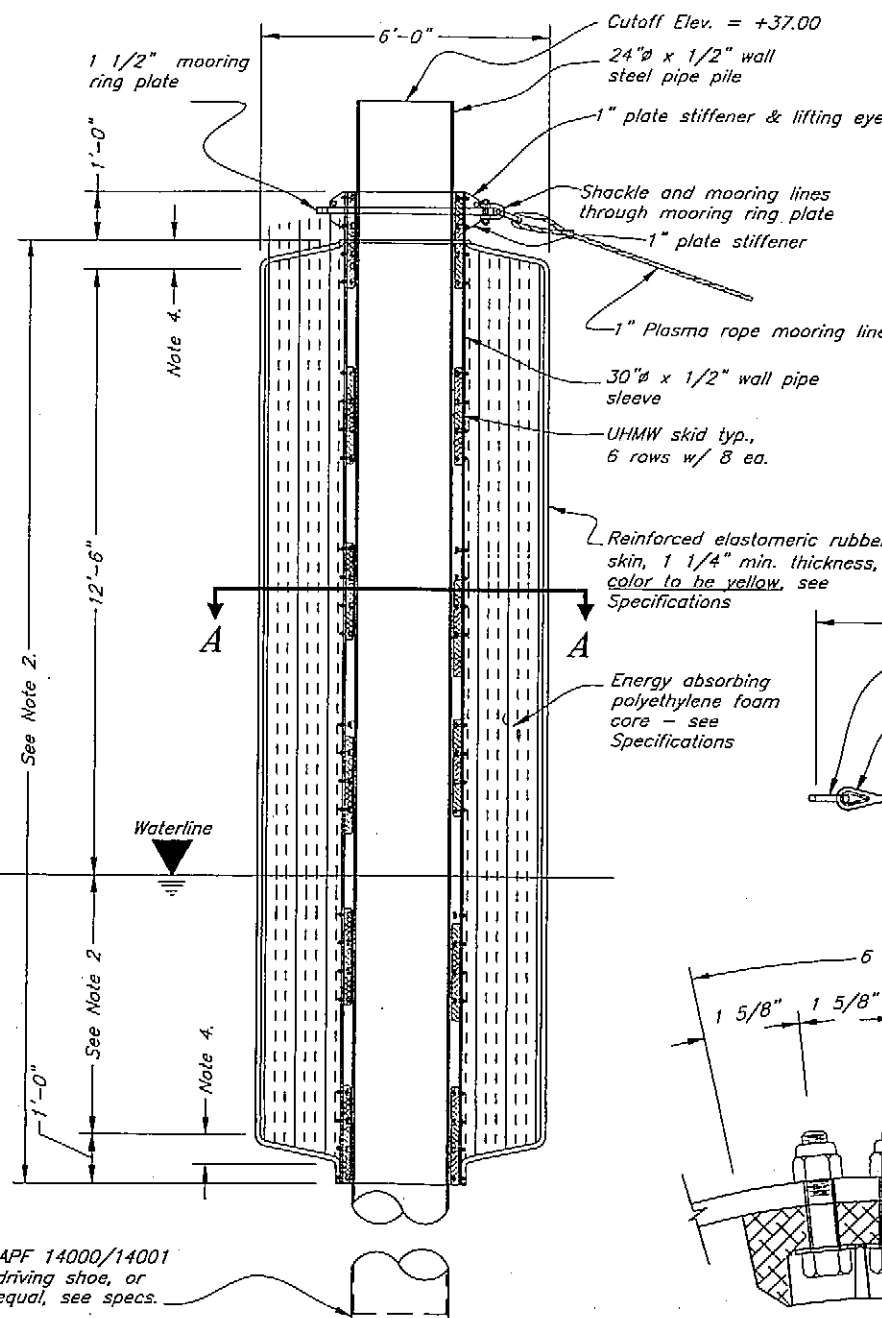
Section A-A



Mooring Ring Plate View B-B

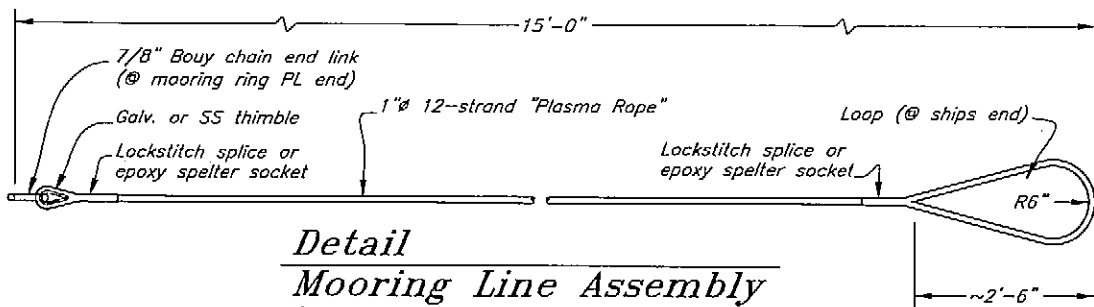


Elevation
Mooring Ring Plate

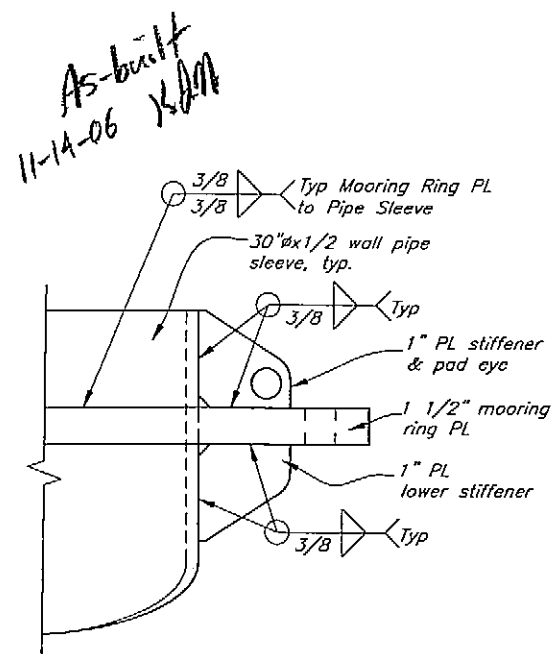


Sectional Elevation - E4
(1 Required)

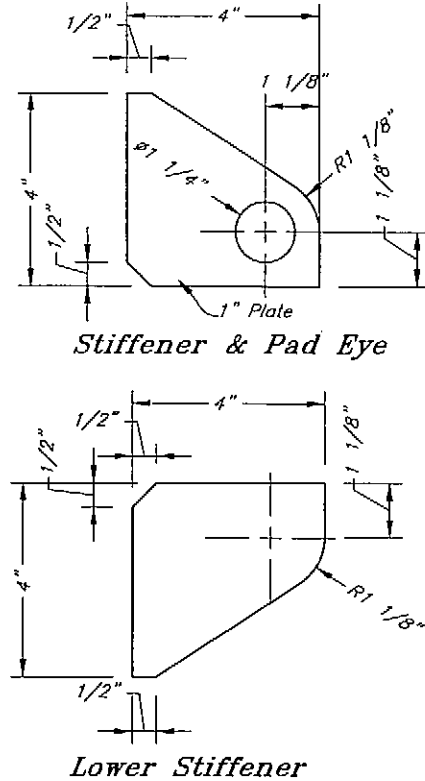
- Floating Fender Notes:
1. Final design of the floating fender shall be performed by the fender manufacturer. Details and dimensions shown are minimum requirements. Modifications may be proposed to the Engineer for approval. Also see contract specifications for additional fender construction requirements and material properties not indicated.
 2. The fender manufacturer shall determine the overall length of fender to provide the minimum freeboard height indicated. Calculations showing total weight and estimated design draft shall be submitted to the Engineer for approval prior to fabrication.
 3. Unless otherwise noted, all steel materials incorporated into the fender unit shall be hot-dip galvanized after fabrication.
 4. Min. transition length to be determined by fender supplier.



Detail
Mooring Line Assembly
(4 required @ E4)

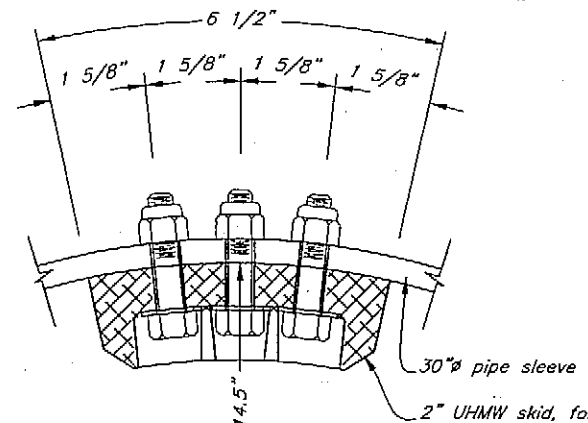


Detail
Mooring Ring & Stiffeners

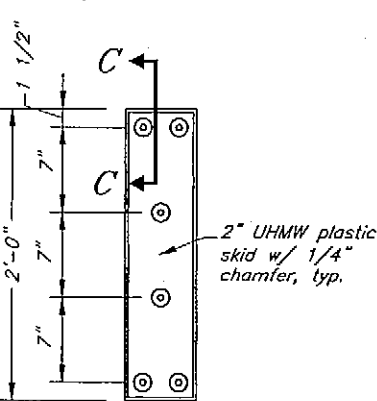


Stiffener & Pad Eye

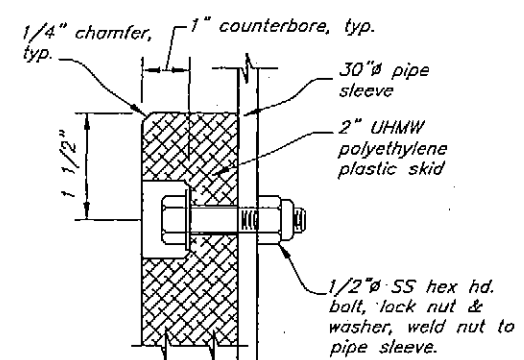
Lower Stiffener



Plan
UHMW Skid



Elevation
UHMW Skid



Section C-C

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: Staff

CHECKED BY: J. Beedle

DRAWN BY: Staff

PATH: Q:\Psg\67833\MF\Plansat\092 Dolphin E4 Details.dwg

PLOT: PSPACE 1=1 TAB: DETAIL

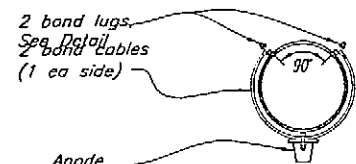
Tue, 26/Apr/05 11:07AM

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

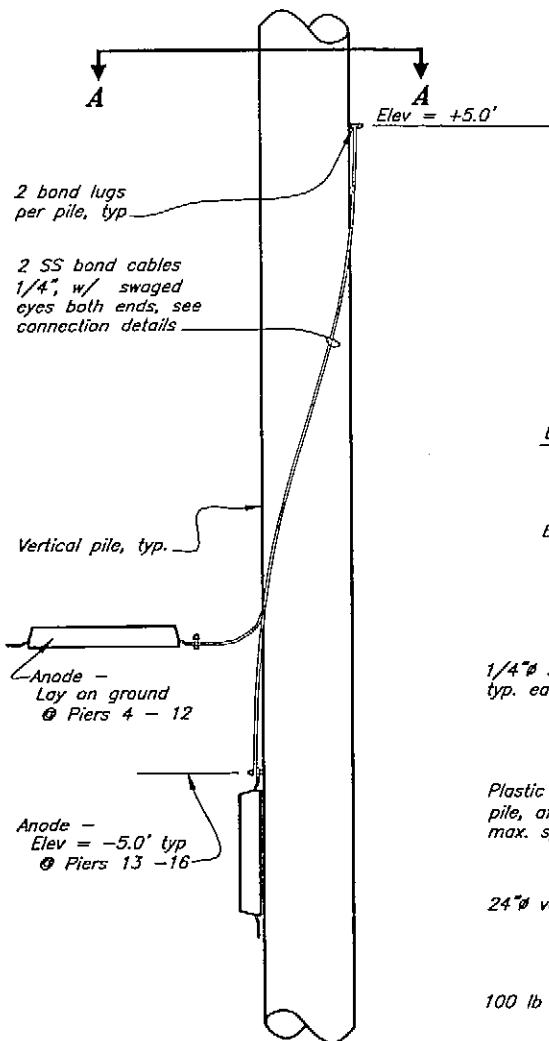
South Mitkof Ferry Terminal

Mooring Structure
E4 - Details

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION	67833	2005	92	96

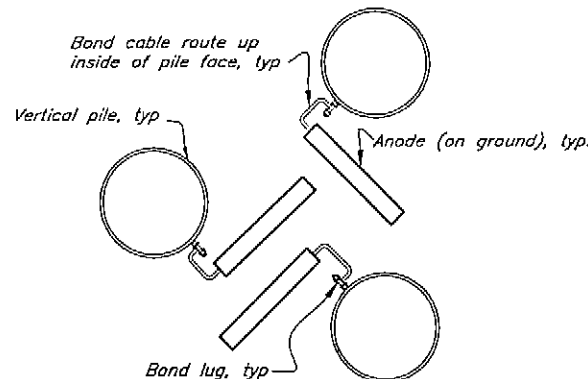


Section A-A

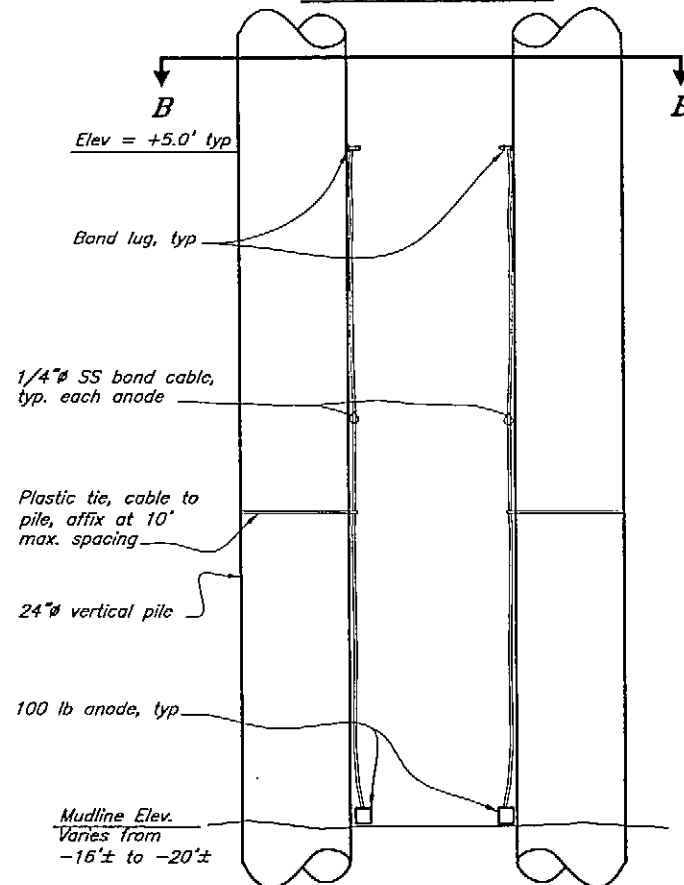


Typical Elevation Vertical Bearing Pile Anode Installation

Transfer Bridge Abut. - 2 req'd
Approach Piers 1 thru 3 - None req'd
Approach Pier 4 thru 16 @ 2 anodes per Pier - 26 req'd

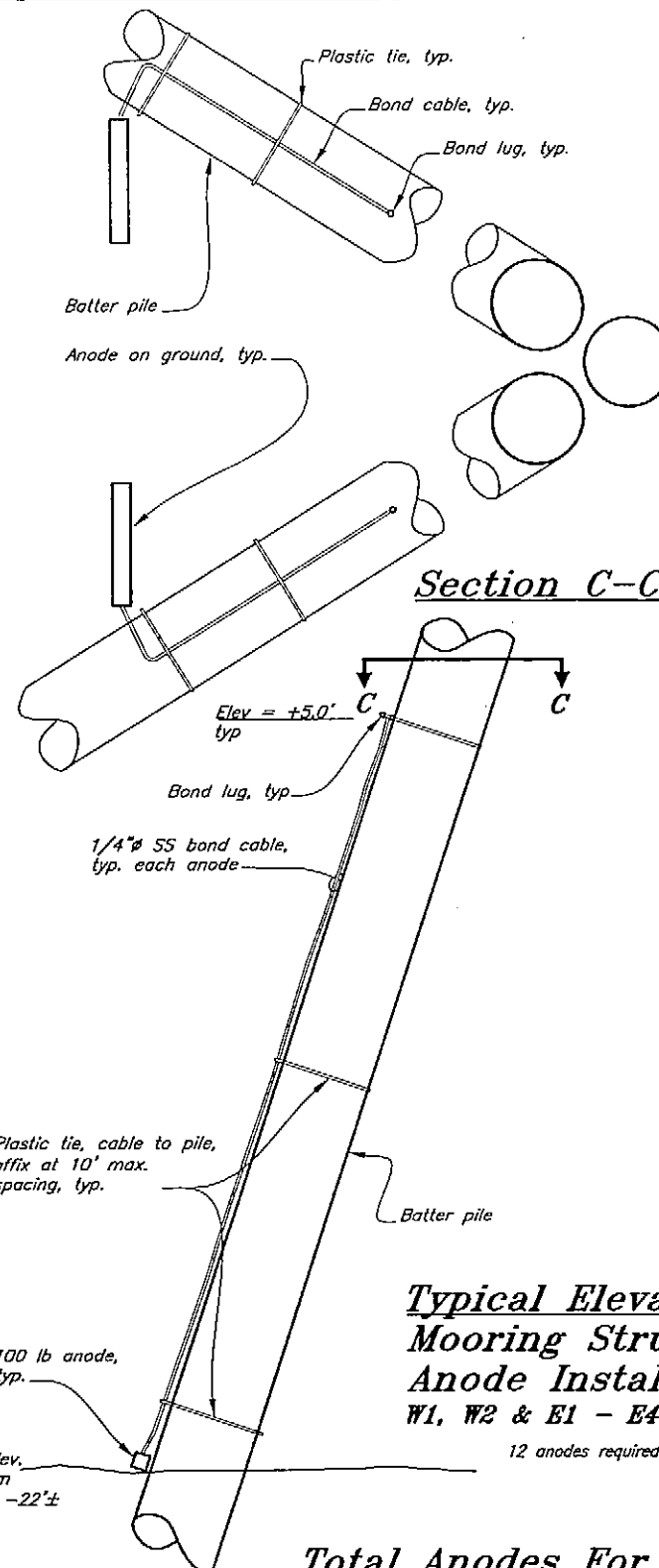


Section B-B



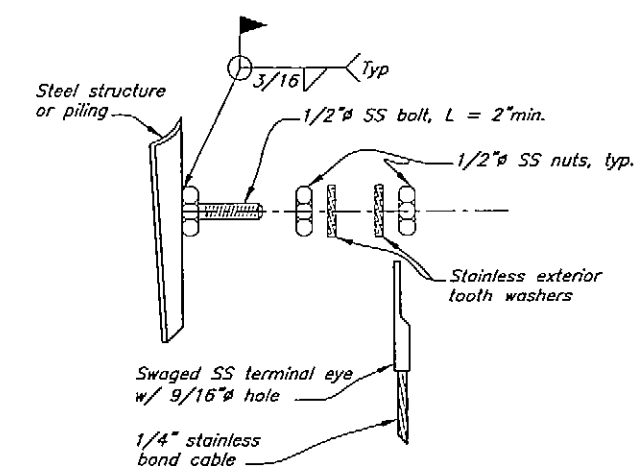
Typical Elevation @ ER & WR

6 anodes required



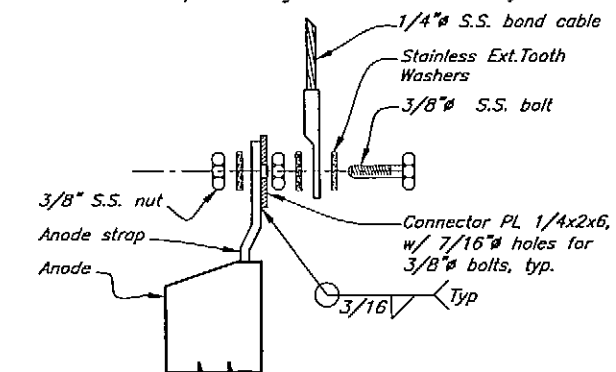
Typical Elevation Mooring Structure Anode Installation W1, W2 & E1 - E4

Total Anodes For Project = 46

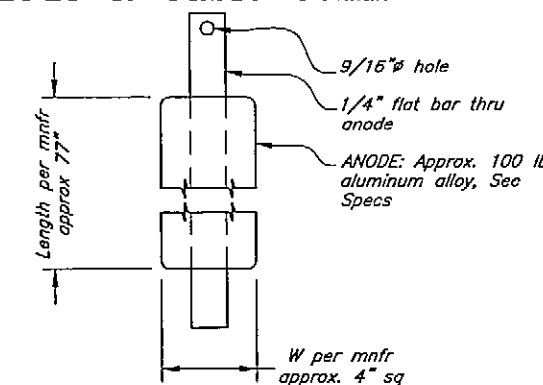


Detail Bond Lug Connection

(apply min. 1/8" thick coating of waterproof corrosion protection grease to all connections)



Detail Anode & Cable Connection



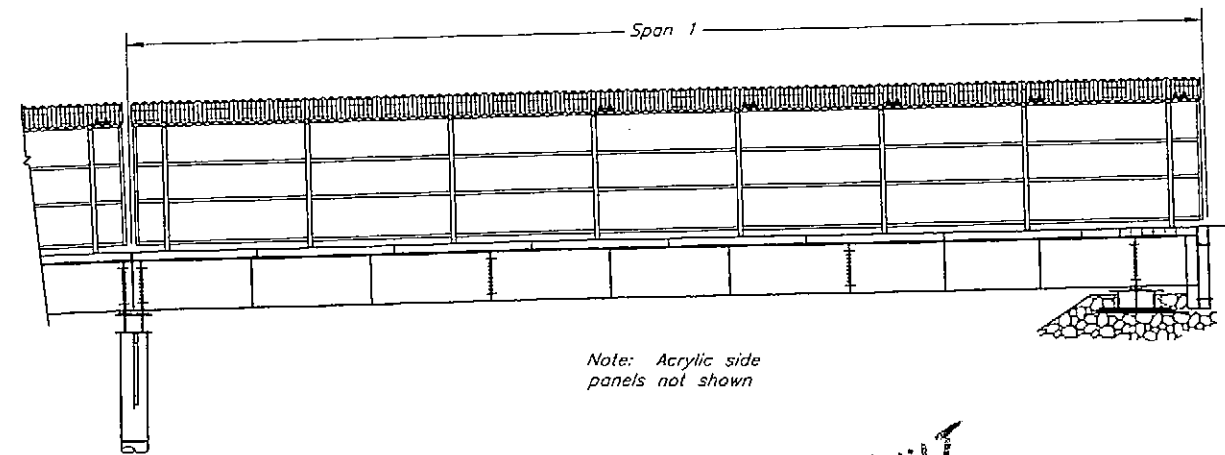
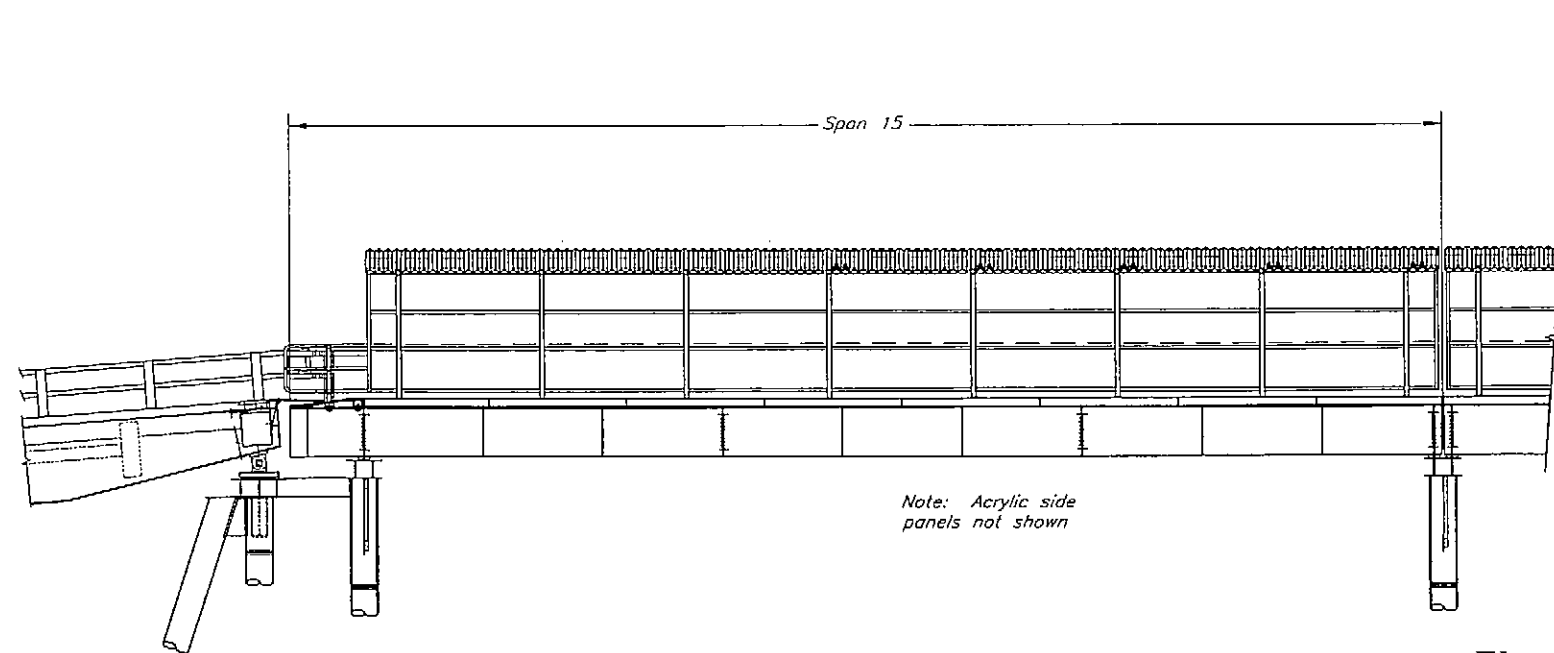
Detail Anode

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

General Notes:

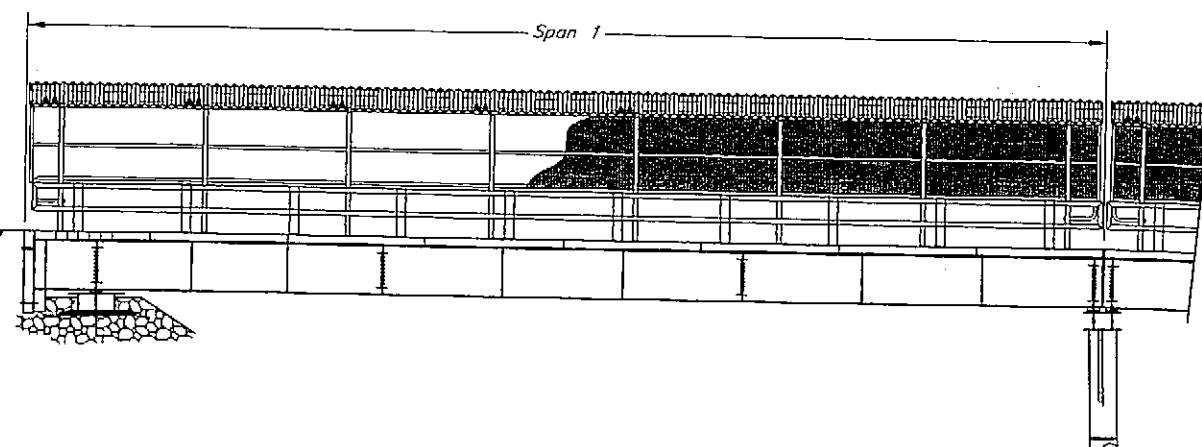
- Anode connection details may vary from those indicated. Submit alternate details to the engineer for approval.
- Std swaged fittings for bond cables may be replaced with 1/4" SS plate w/ 9/16" hole for direct connection to 1/2" bond lugs on piles (cad-weld 1/4" SS cable directly to plate in lieu of swaged fitting & 3/8" bolts).
- Anode materials shall be aluminum alloy conforming to the following minimum reqmts:
Current Capacity = 1,100 amp hours/lb
Efficiency = 85%
Min Voltage Potential = 1.1 volts (CU/CU reference electrode in seawater).
Dimensions of anodes shall be determined by the manufacturer.
- Unless otherwise noted, all bond cables, bond lugs, fastener plates and connection hardware shall be stainless steel, Type 316. Cables shall be sheathed in plastic tubing.
- Repair all field welds and damaged coatings in accordance with Section 504 of the Contract Specifications.

DESIGNED BY: J. Scott		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION															
		South Mitkof Ferry Terminal															
CHECKED BY: B. Savikko DRAWN BY: J. Scott		Cathodic Protection Details															
PATH: O:\Psg\67833\MF\PlanSet\093 Cathodic Protection Details.dwg PLOT: PSPACE 1=1		Mon, 04/Apr/05 01:07PM															
<table border="1"> <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"> <thead> <tr> <th>PROJECT DESIGNATION</th> <th>YEAR</th> <th>SHEET NO.</th> <th>TOTAL SHEETS</th> </tr> </thead> <tbody> <tr> <td>67833</td> <td>2005</td> <td>93</td> <td>96</td> </tr> </tbody> </table>		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS	67833	2005	93	96
NO.	DATE	REVISIONS DESCRIPTION															
PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS														
67833	2005	93	96														

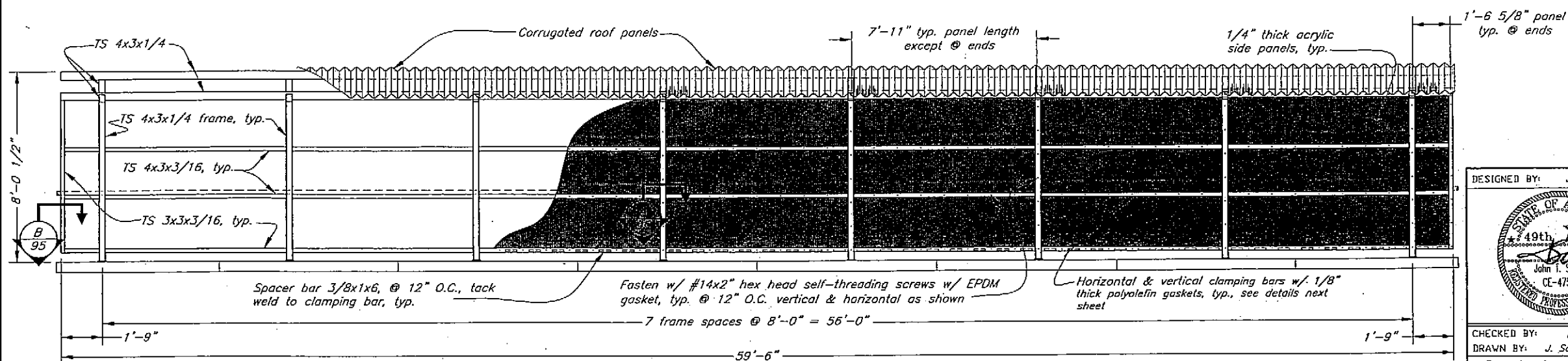
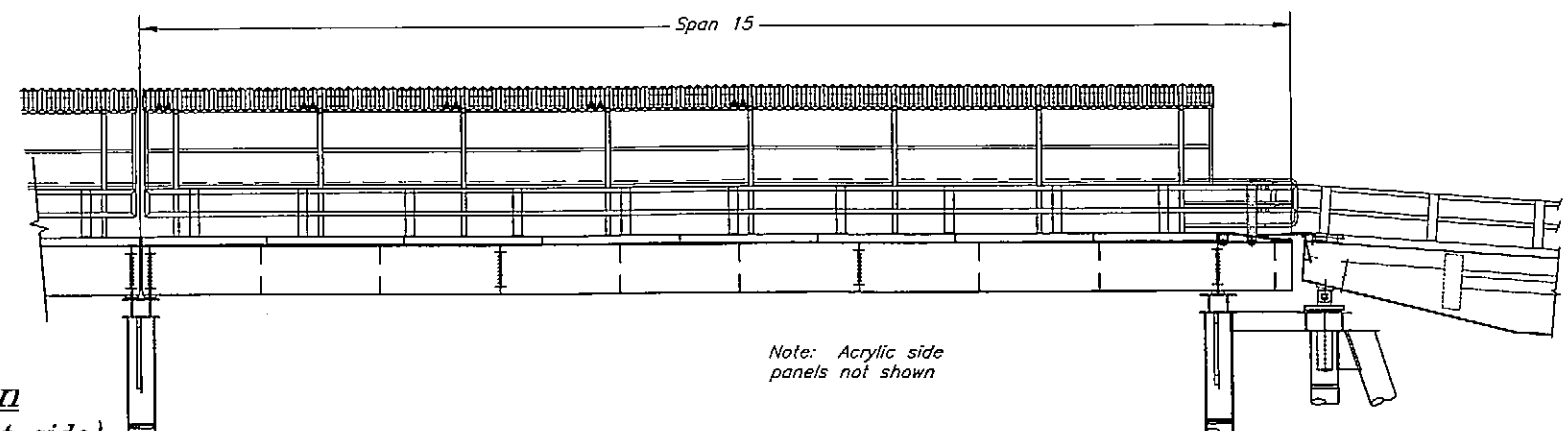


AS-BUILT
11-14-06 KAM

Elevation
(Looking at east side)



Elevation
(Looking at west side)

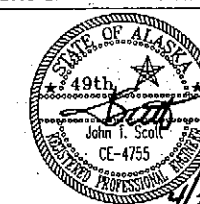


Note: Framing is identical for all spans (1-15) except for seaward end railings on Span 15, see Sheet 22

Typical Cover Span Elevation
(Looking at east side)

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: J. Scott



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

South Mitkof Ferry Terminal

**Alternate A -
Acrylic Glazing on Approach
Walkway Cover**

CHECKED BY: B. Savikko

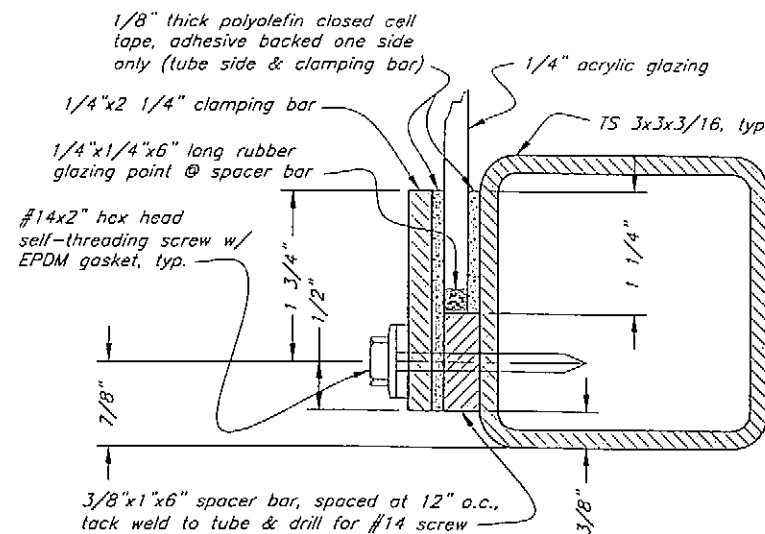
DRAWN BY: J. Scott/C. Fuman

PATH: Q:\Psg\67833\MF\Plans\094 Alt A Approach Walkway Cover.dwg

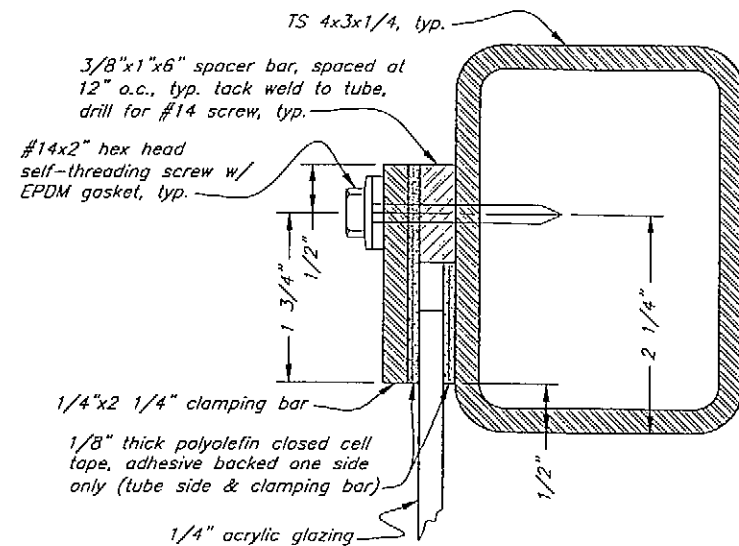
PLT: PSPACE 1=1

Tab: Elevations Tue, 26/Apr/05 11:14AM

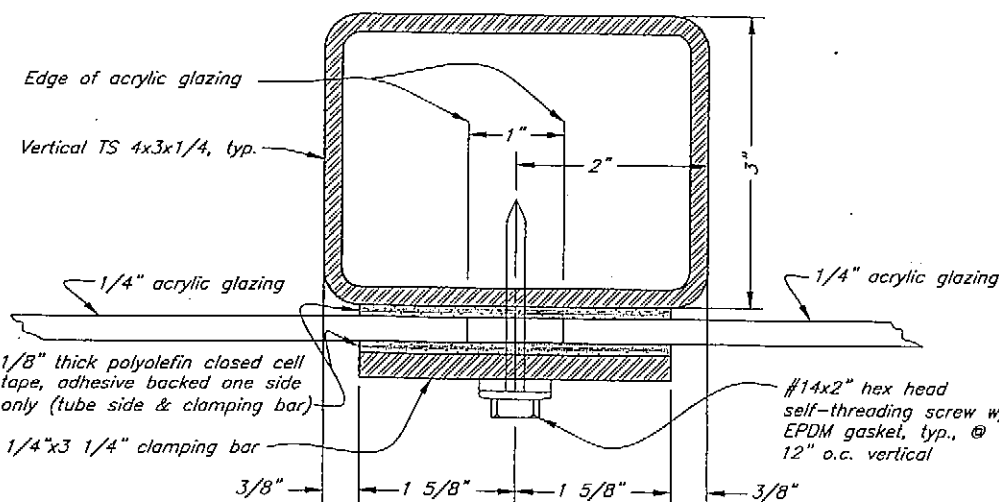
REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			67833	2005	94	96



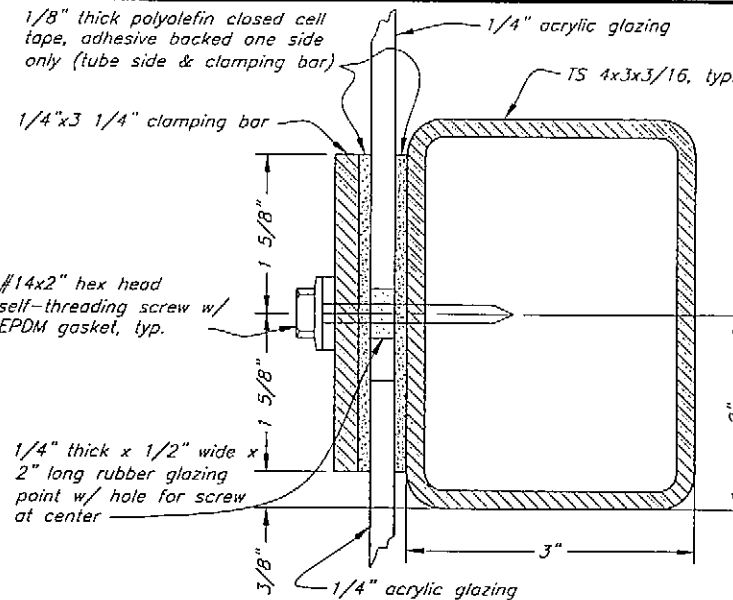
Detail
(West Side Opposite Hand) 1



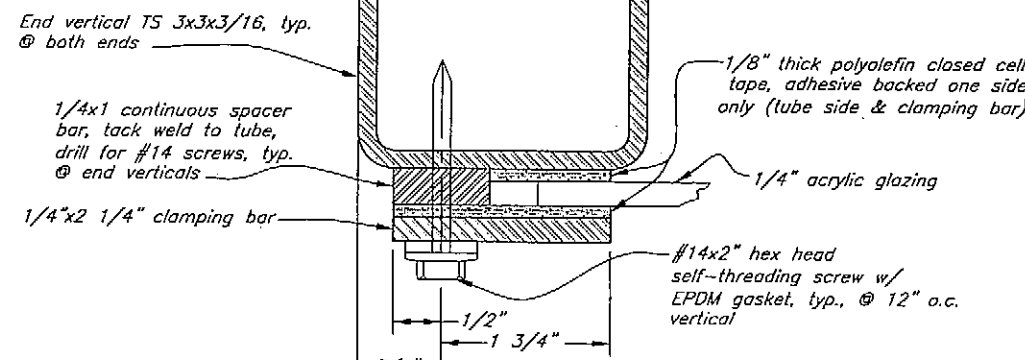
Detail
(West Side Opposite Hand) 3



Section A
94

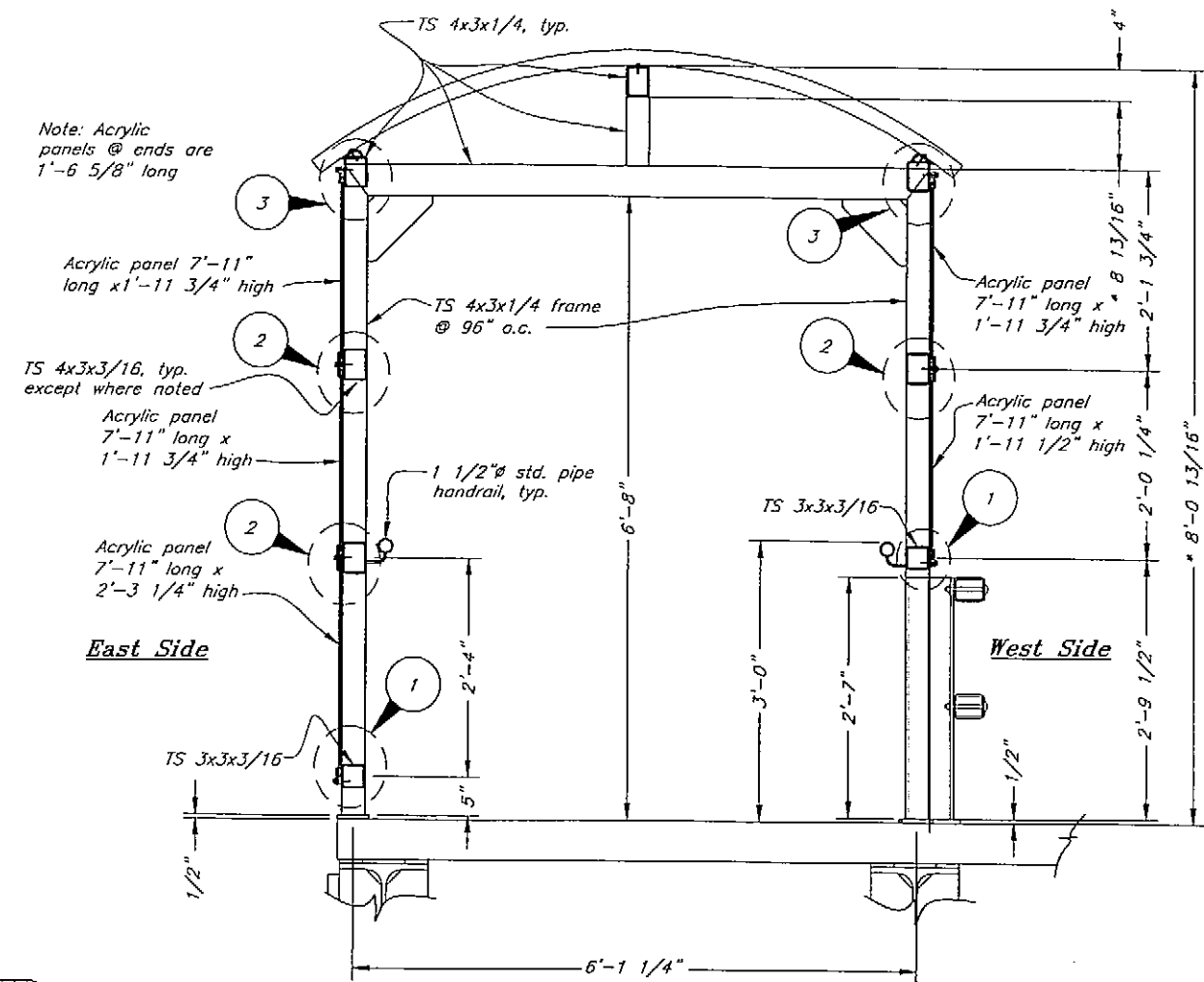


Detail
(West Side Opposite Hand) 2



Section B
94

Note: Acrylic panels @ ends are 1'-6 5/8" long



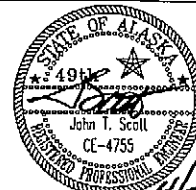
Typical Section
(looking seaward)

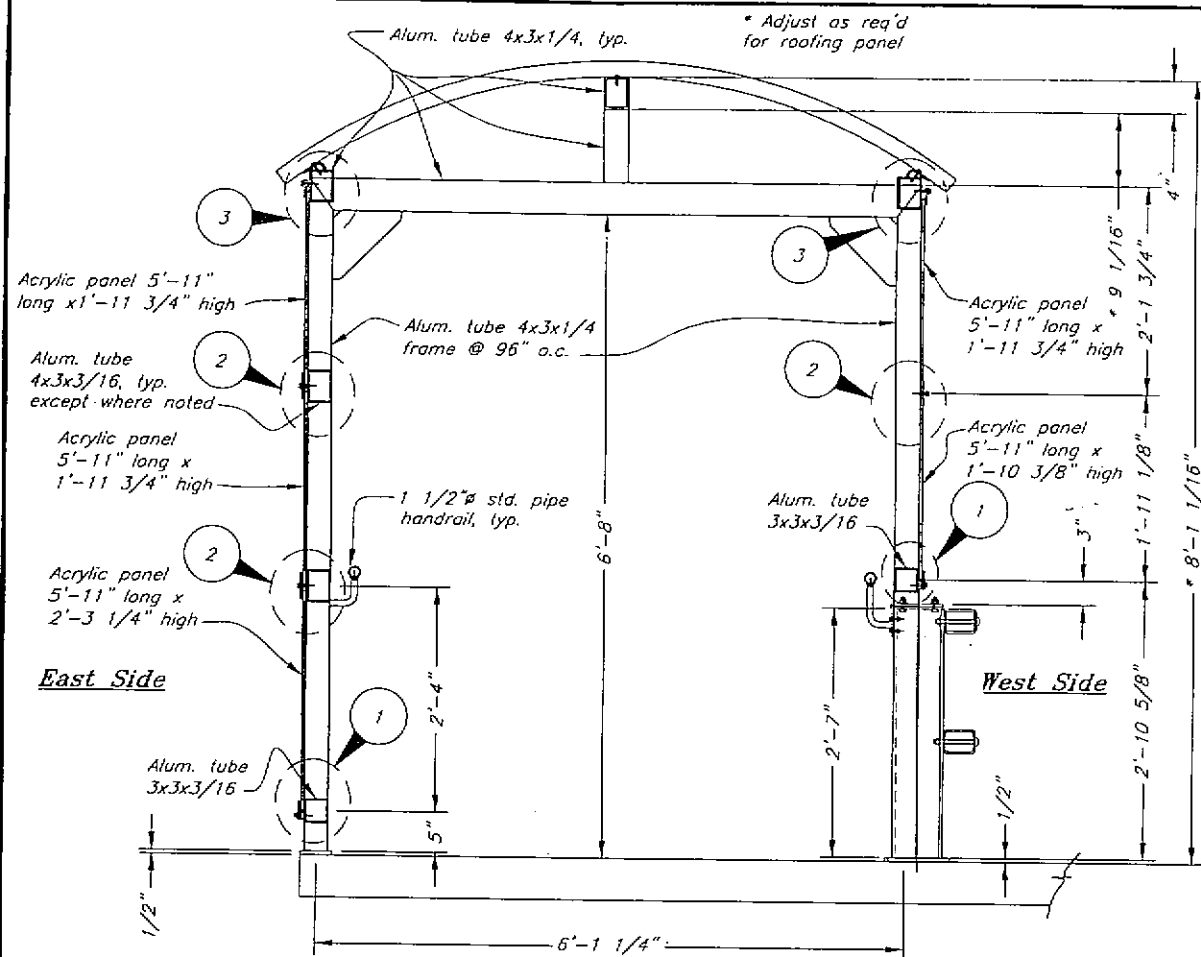
AS-BUILT
11-14-06 JLM

* Adjust as req'd for roofing panel

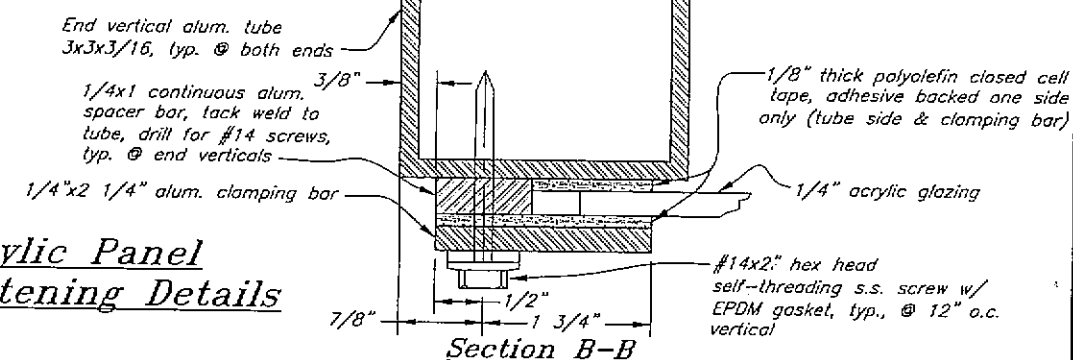
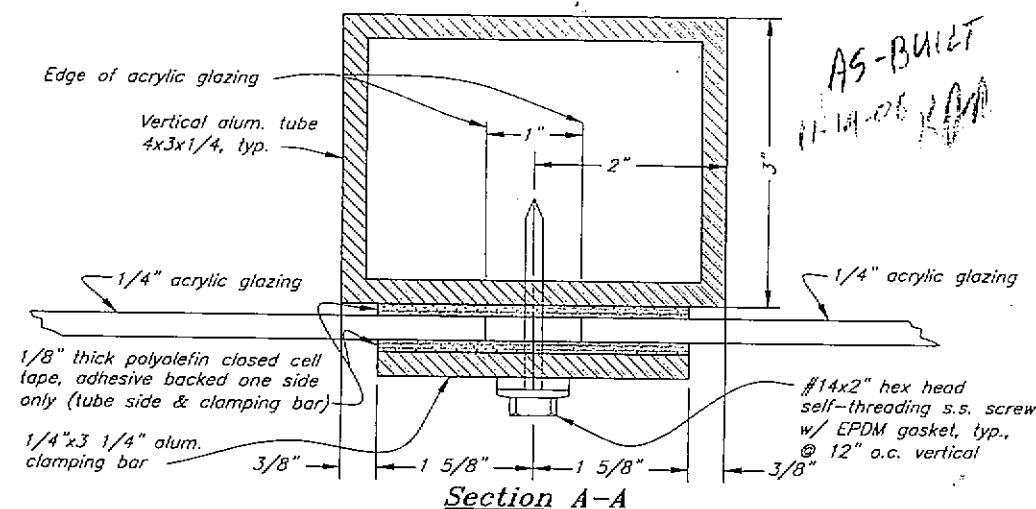
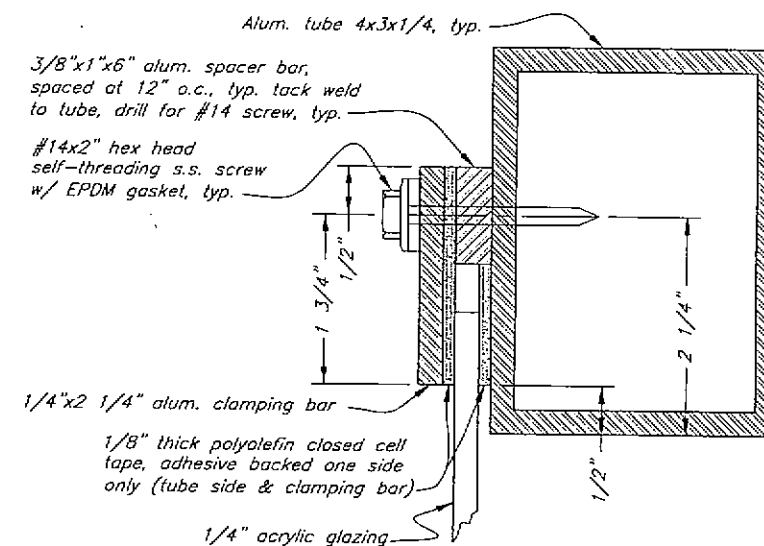
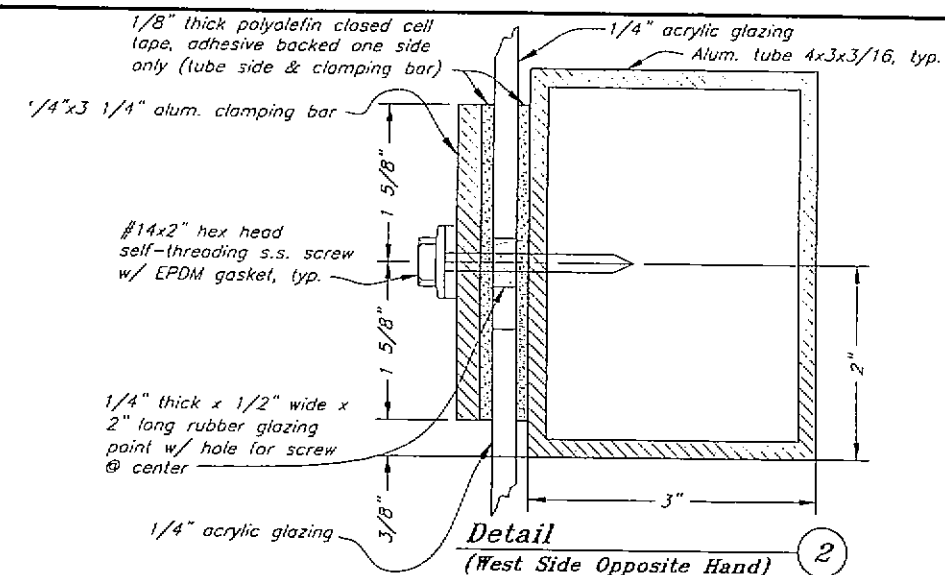
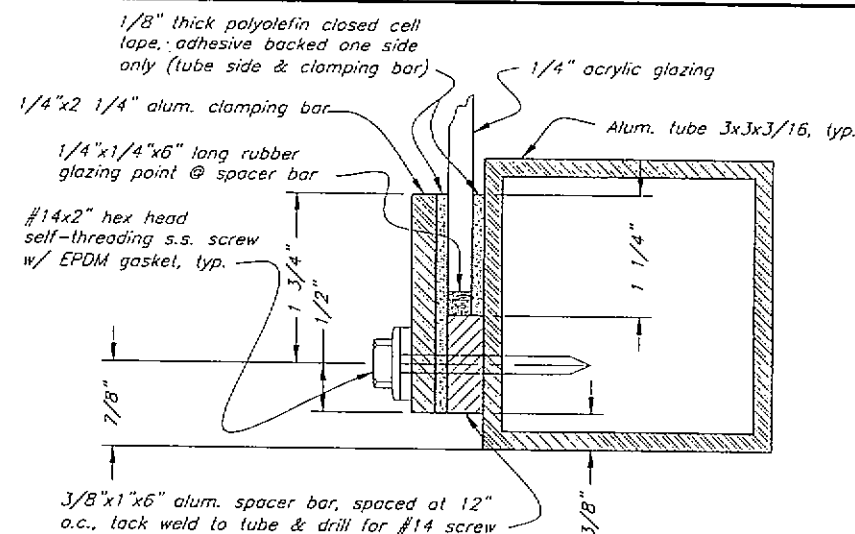
Acrylic Panel Fastening Details

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

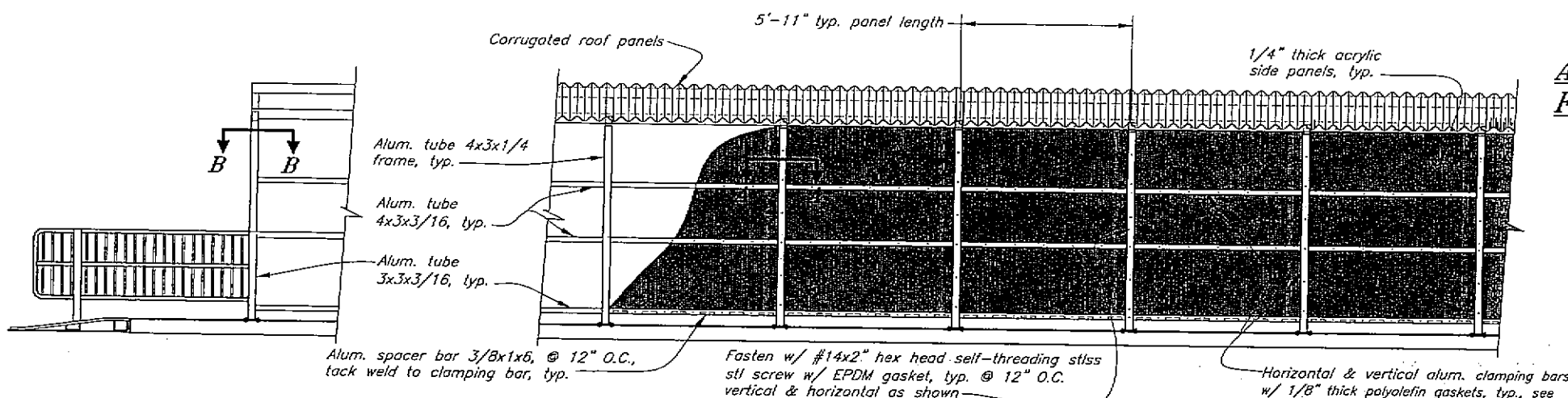
DESIGNED BY: J. Scott		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION			
		South Mitkof Ferry Terminal			
CHECKED BY: B. Solvika		Alternate A Acrylic Glazing on Approach Walkway Cover Details			
DRAWN BY: J. Scott/C. Fuman		PATH: O:\Psg\67833\MF\Plan\095 Alt A Approach Walkway Cover Details.dwg			
PLOT: PSPACE 1=1		Tab: Section-Details Mon, 04/Apr/05 01:30PM			
REVISIONS		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO. DATE DESCRIPTION		67833	2005	95	96



Typical Section
(looking seaward)



Acrylic Panel Fastening Details



Bridge Cover Elevation
(Looking at east side)

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: J. Scott

CHECKED BY: B. Savitsky

DRAWN BY: J. Scott/C. Fuman

PATH: O:\Psg\67833\MF\Plans\096 Alt A Transfer Bridge Walkway Cover.DWG

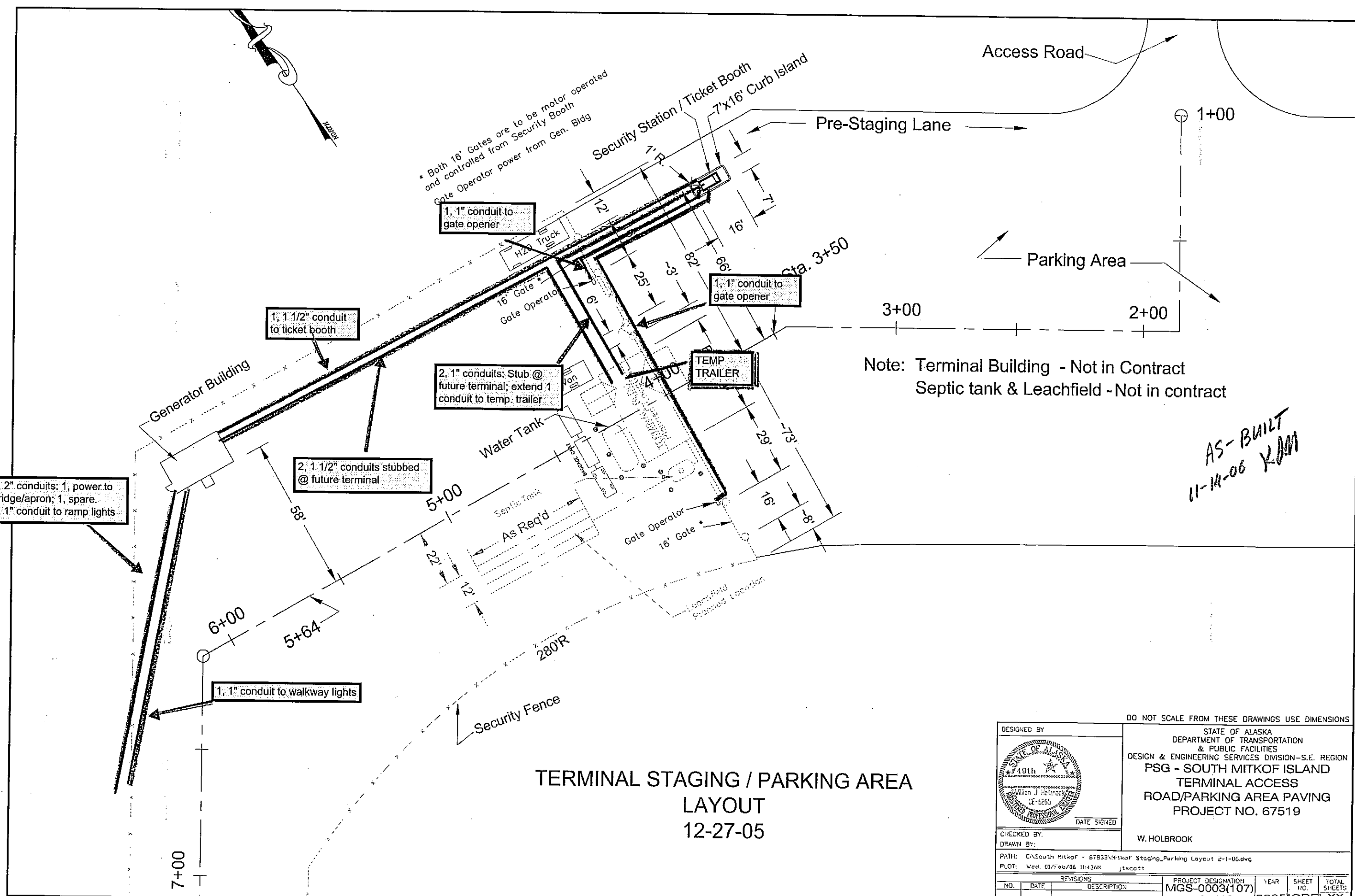
PLT: PSPACE 1=1 Tab: Section-Details Tue, 26/Apr/05 11:16AM

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

South Mitkof Ferry Terminal

Alternate A
Acrylic Glazing on Bridge Walkway Cover

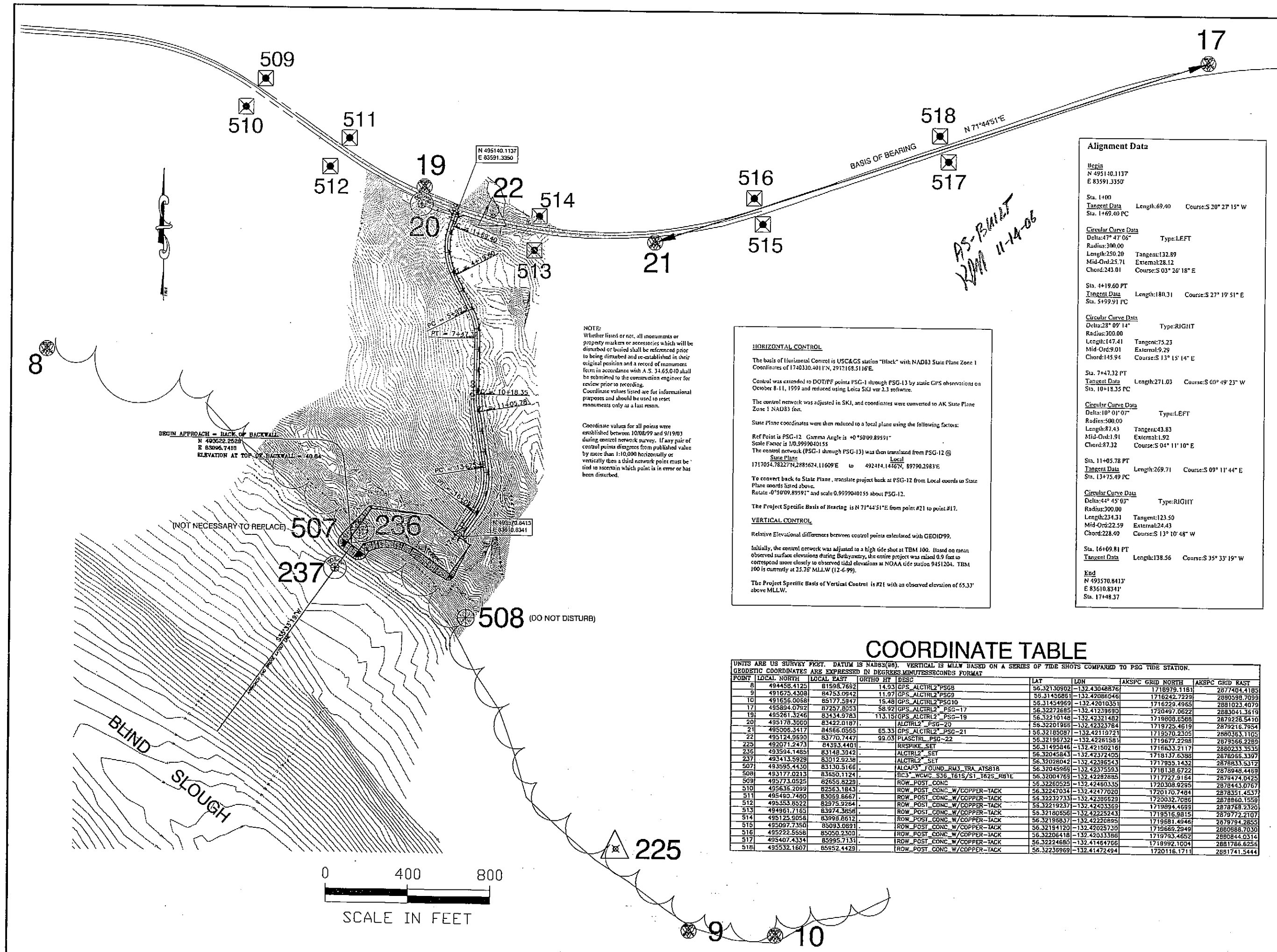
NO.	DATE	REVISIONS DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			67833	2005	96	96



TERMINAL STAGING / PARKING AREA
LAYOUT
12-27-05

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY:		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES DESIGN & ENGINEERING SERVICES DIVISION-S.E. REGION PSG - SOUTH MITKOF ISLAND TERMINAL ACCESS ROAD/PARKING AREA PAVING PROJECT NO. 67519			
CHECKED BY:		W. HOLBROOK			
DRAWN BY:		DATE SIGNED:			
PATH: C:\South Mitkof - 67519\Mitkof Staging_Parking Layout 2-1-05.dwg PLOT: Wed, 01/Feb/06 11:43AM jscott					
REVISIONS		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION	MGS-0003(107)	2005	XX
			~ 67519		

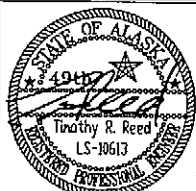


PATH: Q:\P\67833\Plan\A2_Project_Control.dwg		
Wed, 27/Apr/05 09:21AM dastevens		
TAB: Layout1		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

**SOUTH MITKOF
FERRY TERMINAL
PROJECT NO. 67833**

CONTROL DATA SURVEY SHEET

CHECKED BY: T. Reed



4/27/05
DATE SIGNED

DESIGNED BY: T. Reed

DRAWN BY: T. Reed

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

**SOUTH MITKOF
FERRY TERMINAL**

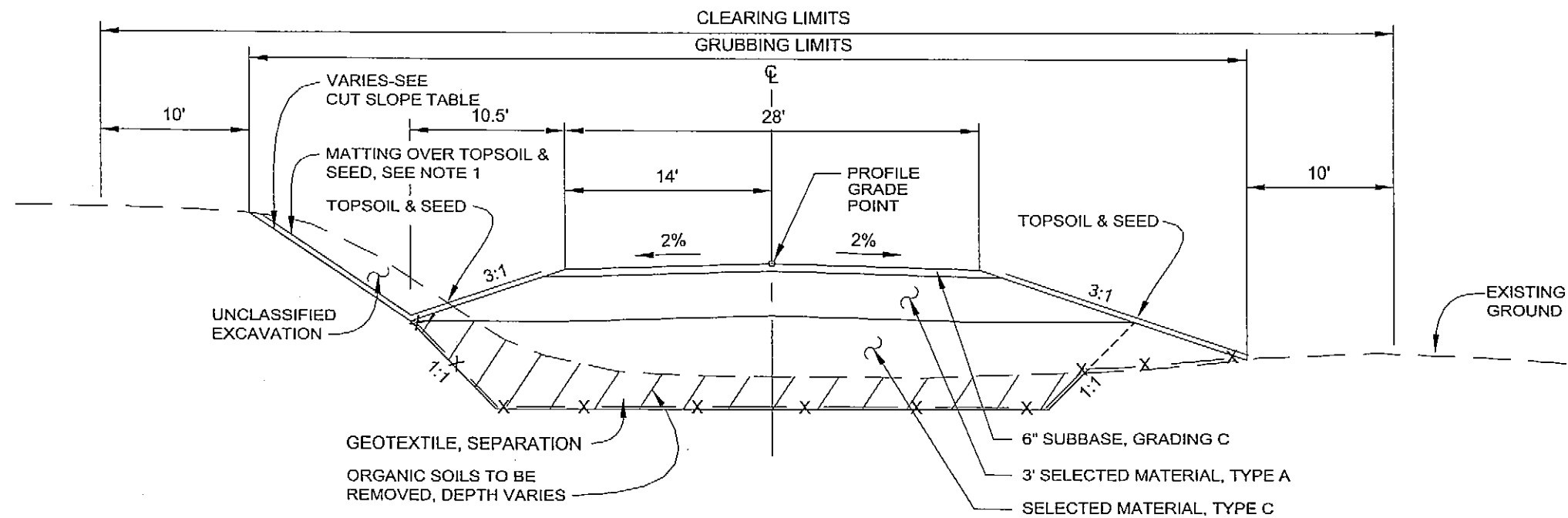
**CONTROL DATA
SURVEY SHEET**

PROJECT DESIGNATION NUMBER
STP-0003(65)/67833

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
A2	27

NOTE:

CUT AND FILL TYPICAL BOTH SIDES OF ROADWAY.



TYPICAL ROADWAY SECTION
NTS

GENERAL NOTES:

1. GROUND DISTURBED BY NEW CONSTRUCTION SHALL BE SEEDED, TOPSOIL AND SEEDED, OR TOPSOILED, SEEDED AND MATTED AS DETERMINED BY THE ENGINEER.

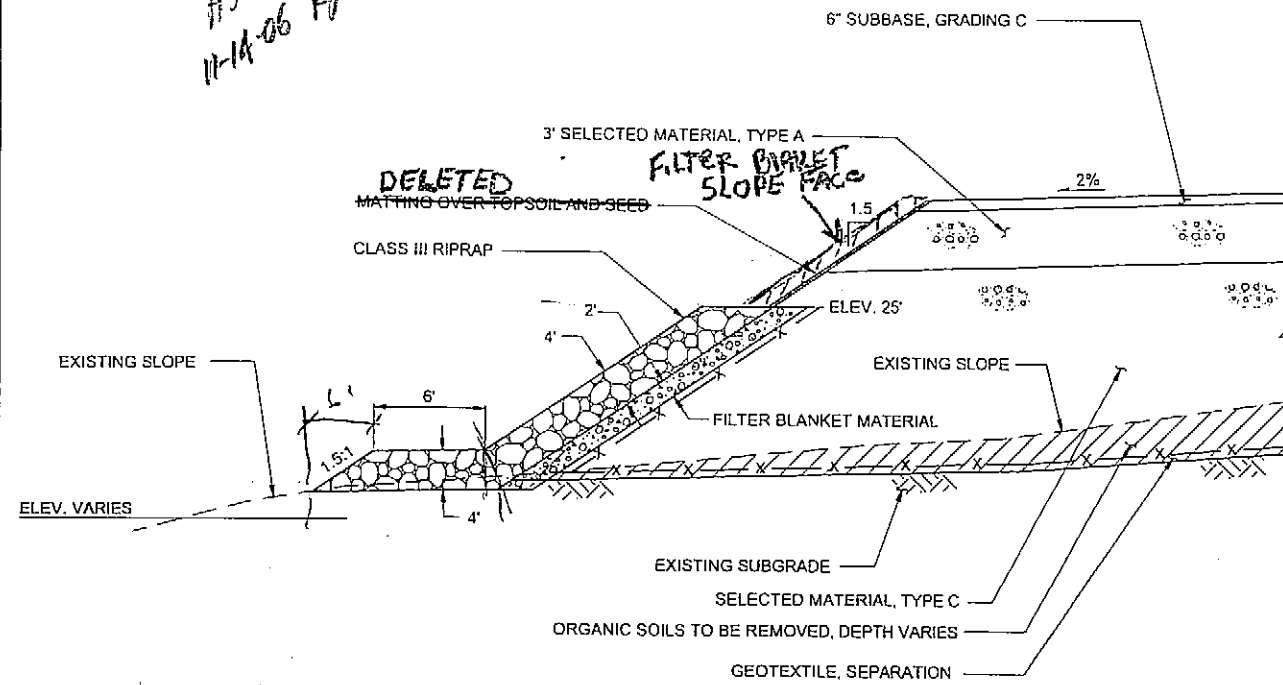
CUT SLOPE TABLE	
MATERIAL	CUT
GRANULAR SOILS	1.5:1
SOFT GROUND	0.5:1
ROCK	0.25:1
SILT	1.5:1

*AS-BUILT
11-14-06 KDM*

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: D. STEVENS		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION															
		SOUTH MITKOF FERRY TERMINAL PROJECT NO. 67833															
CHECKED BY: M. LUKSHIN DRAWN BY: D. STEVENS		TYPICAL SECTIONS & NOTES															
PATH: Q:\Psg\67833\Plans\B1_typical_sections.dwg PLOT: Tue, 26/Apr/05 01:13PM		crhakari															
<table border="1"> <thead> <tr> <th colspan="2">REVISIONS</th> <th rowspan="2">PROJECT DESIGNATION STP-0003(65) /67833</th> <th rowspan="2">YEAR 2005</th> <th rowspan="2">SHEET NO. B1</th> <th rowspan="2">TOTAL SHEETS 27</th> </tr> <tr> <th>NO.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		REVISIONS		PROJECT DESIGNATION STP-0003(65) /67833	YEAR 2005	SHEET NO. B1	TOTAL SHEETS 27	NO.	DATE								
REVISIONS		PROJECT DESIGNATION STP-0003(65) /67833	YEAR 2005					SHEET NO. B1	TOTAL SHEETS 27								
NO.	DATE																

AS-BUILT
11-14-06 RAN

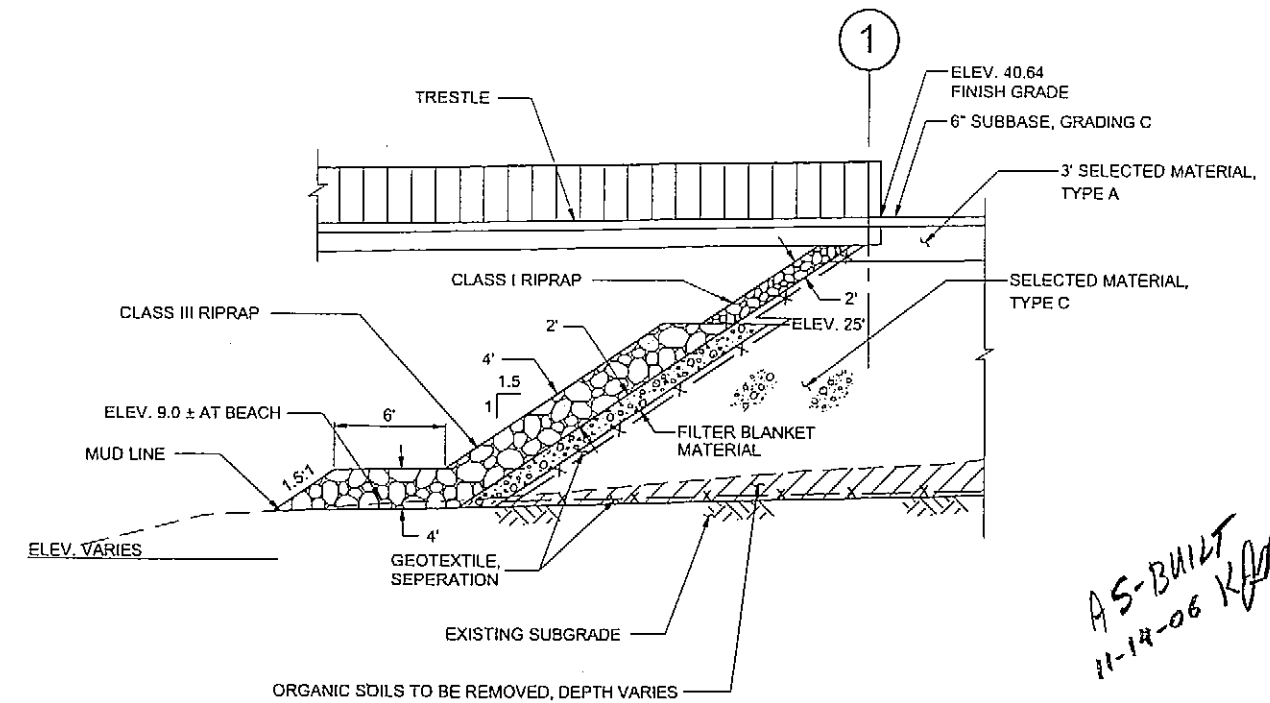


NOTE:

1. PLACE LAYER STONE UP TO ELEVATION 25.0 AROUND STAGING/PARKING PAD.

ARMOR STONE PROTECTION SECTION - PARKING

SCALE: N.T.S.



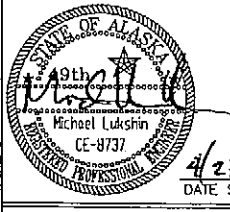
AS-BUILT
11-14-06 RAN

ARMOR STONE PROTECTION SECTION - TRESTLE

SCALE: N.T.S.

NOTE 1. SEE PLAN SHEET 10 AND 13 OF THE MARINE PLANS FOR DETAILS

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: D. STEVENS		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION				
		SOUTH MITKOF FERRY TERMINAL PROJECT NO. 67833				
CHECKED BY: M. LUKSHIN DRAWN BY: D. STEVENS		RIPRAP TYPICALS				
PATH: Q:\Psg\67833\PlanSet\E_DETAILS.dwg PLOT: Mon, 25/Apr/05 02:08PM dastevens						
REVISIONS		PROJECT DESIGNATION		YEAR	SHEET	TOTAL
NO.	DATE	DESCRIPTION		STP-0003(65)	B2	27
		/67833		2005		

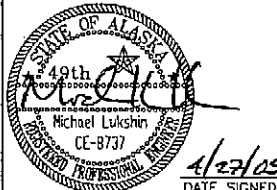
ESTIMATE OF QUANTITIES			
ITEM NO.	PAY ITEM	PAY UNIT	QUANTITY
201(3A)	CLEARING AND GRUBBING	ACRE	6.095
203 (3)	UNCLASSIFIED EXCAVATION	CUBIC YARD	42933
203 (5)	BORROW	CUBIC YARD	72259
206 (1)	FILTER BLANKET	CUBIC YARD	941
304 (1)	SUBBASE, GRADING C	TON	5000
603(17-24)	24 INCH PIPE	LINEAR FOOT	147
603(20)	END SECTION FOR 24 INCH PIPE	EACH	6
607 (3)	CHAIN LINK FENCE, 6' HIGH	LINEAR FOOT	798.1
607 (5)	DRIVE GATE	EACH	2
607 (6)	WALK GATE	EACH	1
607 (7)	ROAD CLOSURE GATE	LUMP SUM	ALL REQ'D
611 (1A)	RIP RAP, CLASS I	CUBIC YARD	109.7
611 (1B)	RIP RAP, CLASS III	CUBIC YARD	2652
615 (1)	STANDARD SIGN	SQUARE FOOT	33185.359.75
618 (1)	SEEDING	ACRE	5.73
619 (2)	MATTING	SQUARE YARD	5235.44
620 (1)	TOPSOIL	SQUARE YARD	461
628 (1)	WATER HOLDING TANK SYSTEM	LUMP SUM	ALL REQ'D
629 (1)	SEWAGE HOLDING TANK SYSTEM	LUMP SUM	ALL REQ'D
630 (1)	GEOTEXTILE, SEPARATION	SQUARE YARD	23257.40
633 (1)	SILT FENCE	LINEAR FOOT	1225
640 (1)	MOBILIZATION & DEMOBILIZATION	LUMP SUM	ALL REQ'D
640 (4)	WORKERS MEALS AND LODGING, OR PER DIEM	LUMP SUM	ALL REQ'D
641 (1)	EROSION & POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQ'D
641 (2)	TEMPORARY EROSION & POLLUTION CONTROL	CONTINGENT SUM	ALL REQ'D
641 (5)	ROCK CHECK DAM	EACH	28
641 (6)	HAND SEEDING	MSF	118.40
642 (1)	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQ'D
642 (3)	THREE PERSON SURVEY PARTY	HOUR	3.64
643 (2)	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQ'D
643 (3)	PERMANENT CONSTRUCTION SIGNS	LUMP SUM	ALL REQ'D
643 (15)	FLAGGING	HOURLY WORK SUM	ALL REQ'D
643 (25)	TRAFFIC CONTROL	CONTINGENT SUM	ALL REQ'D
644 (1)	FIELD OFFICE	LUMP SUM	ALL REQ'D
644 (2)	FIELD LABORATORY	LUMP SUM	ALL REQ'D
644 (7)	VEHICLE AND SKIFF	LUMP SUM	ALL REQ'D
645 (1)	TRAINING PROGRAM FOR 1 TRAINEE/APPRENTICE	LABOR HOUR	500
646 (1)	CPM SCHEDULING	LUMP SUM	ALL REQ'D
662 (1)	ELECTRIC POWER AND LIGHTING SYSTEM	LUMP SUM	ALL REQ'D
680 (1)	PASSENGER SHELTER	LUMP SUM	ALL REQ'D
690 (1)	TICKET OFFICE BUILDING SHELTER TRAILER	LUMP SUM	ALL REQ'D

BASIS OF ESTIMATE		
ITEM	PAY ITEM	ESTIMATING FACTOR
304 (1)	SUBBASE, GRADING C	1.9 TONS/C.Y.

AS-BUILT
11-14-06
12/11

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: D. STEVENS



CHECKED BY: M. LUKSHIN
DRAWN BY: D. STEVENS

PATH: Q:\Psg\67833\PlanSet\01_SUMMARY.dwg
PLOT: Tue, 26/Apr/05 09:21AM dostevens

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

SOUTH MITKOF
FERRY TERMINAL
PROJECT NO. 67833

ESTIMATE OF QUANTITIES

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION	STP-0003(65)			
			/67833	2005	C1	27

STANDARD SIGNING SUMMARY

No.	STATION	OFFSET		TYPE	FACING TRAFFIC	LEGEND	SIZE		AREA S.F.	POST SIZE	REMARKS
		LT.	RT.				WD.	HT.			
①	0+81		425'	I-8	EB	FERRY SYMBOL	21"	24"	3.5	2.5"	SOUTH SIDE OF MITKOF HIGHWAY
①A	0+81		425'	I-8	EB	FERRY	24"	24"	6"	2.5"	MOUNT BELOW SIGN 1 - SOUTH SIDE OF MITKOF HIGHWAY
②	0+81		425'	RS-13R	EB	ARROW RIGHT	18"	6"	0.75	2.5"	MOUNT BELOW SIGN 1A - SOUTH SIDE OF MITKOF HIGHWAY
③	0+03	425'		I-8	WB	FERRY SYMBOL	21"	24"	3.5	2.5"	NORTH SIDE OF MITKOF HIGHWAY
③A	0+03	425'		I-8	WB	FERRY	24"	24"	6"	2.5"	MOUNT BELOW SIGN 3 - NORTH SIDE OF MITKOF HIGHWAY
④	0+03	425'		RS-13L	WB	ARROW LEFT	18"	6"	0.75	2.5"	MOUNT BELOW SIGN 3A - NORTH SIDE OF MITKOF HIGHWAY
⑤	4+00		X	R2-1	SB	25 MPH SPEED LIMIT	30"	36"	7.5	2.5"	
⑥	4+00	X		R2-1	NB	25 MPH SPEED LIMIT	30"	36"	7.5	2.5"	
⑦	15+00		X	R2-1	SB	25 MPH SPEED LIMIT	30"	36"	7.5	2.5"	
⑧	15+00	X		R2-1	NB	25 MPH SPEED LIMIT	30"	36"	7.5	2.5"	
⑨	1+20	X		R1-1	NB	STOP	30"	30"	5.25	2.5"	
⑩	"P" 3+00	X		SPECIAL	WB	LARGE RESTRICTED AREA SIGN	48"	24"	12.0		MOUNT TO FENCE GATE
⑪	"P" 3+00		X	SPECIAL	WB	LARGE RESTRICTED AREA SIGN	48"	24"	12.0		MOUNT TO FENCE GATE
⑫	0+58	10.8'		D1-2A	NB	← PETERSBURG 26 CAMPGROUND → 10	114"	42"	33.25	(2) 4"x6"	8" LETTER SIZE - NORTH SIDE OF MITKOF HIGHWAY
⑬	2+00		X	SPECIAL	SB	MARSEC LEVEL	36"	24"	6.0	(2) 2.25"	SEE NOTE 1.
⑭	2+00		X	SPECIAL	SB	HEIGHTENED RISK OF ATTACK	24"	12"	2.0		SEE NOTE 1. MOUNT TO SIGN ⑬
⑮	2+00		X	SPECIAL	SB	SIGNIFICANT RISK OF ATTACK	24"	12"	2.0		SEE NOTE 1. MOUNT TO SIGN ⑬
⑯	2+00		X	SPECIAL	SB	IMMINENT RISK OF ATTACK	24"	12"	2.0		SEE NOTE 1. MOUNT TO SIGN ⑬
⑰	"P" 3+00		X	SPECIAL	WB	MARSEC LEVEL	36"	24"	6.0		MOUNT TO FENCE GATE PER THE ENGINEER. SEE NOTE 1.
⑱	"P" 3+00		X	SPECIAL	WB	HEIGHTENED RISK OF ATTACK	24"	12"	2.0		SEE NOTE 1. MOUNT TO SIGN ⑰
⑲	"P" 3+00		X	SPECIAL	WB	SIGNIFICANT RISK OF ATTACK	24"	12"	2.0		SEE NOTE 1. MOUNT TO SIGN ⑰
⑳	"P" 3+00		X	SPECIAL	WB	IMMINENT RISK OF ATTACK	24"	12"	2.0		SEE NOTE 1. MOUNT TO SIGN ⑰
㉑	2+50		X	SPECIAL	SB	SUBJECT TO SEARCH	48"	24"	8.0	(2) 2.25"	
㉒	"P" 3+00	X		SPECIAL	WB	SUBJECT TO SEARCH	48"	24"	8.0		MOUNT TO FENCE GATE
㉓	"P" 3+00		X	SPECIAL	WB	SUBJECT TO SEARCH	48"	24"	8.0		MOUNT TO FENCE GATE
EXTRA						SUBJECT TO SEARCH	48"	24"	8.0		
54	15+00	X		NB		DEER SYMBOL	24"	24"	4.0		MOUNT Below #8
55	4+00		X	SB		DEER SYMBOL	24"	24"	4.0		MOUNT Below #5
EXTRA						SUBJECT TO SEARCH	48"	24"	8.0		
52	1+80 P LT					OBJECT MARKERS	18"	18"	2.25		
53	1+80 P LT						18"	18"	2.25		
54	2+05 P LT						18"	18"	2.25		
									151.09	357.75	
									SHEET TOTAL= 142.83		

SIGN NOTES:

1. THE CONTRACTOR SHALL MOUNT AND INSTALL THE MARSEC LEVEL SIGNS SUCH THAT EACH SIGN IS A COMPLETE AND WORKING SYSTEM, INCLUDING THE MARSEC RISK OF ATTACK SIGNS.
2. ALL COSTS FOR MOUNTING THE SIGNS PER THE ENGINEER, INCLUDING THE MARSEC RISK OF ATTACK SIGNS, SHALL BE INCIDENTAL TO PAY ITEM 615
- (1). MOUNTING SIGNS TO THE FENCE, FENCE GATES, THE DOCK, AND THE APPROACH SHALL BE INCIDENTAL

182.75

AS BUILT
R/M 11-14-06

CULVERT SUMMARY

PIPE	STATION	LENGTH OF 24" PIPE	END SECTION	DITCH BLOCK	COMMENTS
P-1	1+86.42	47.0 LF	2		
P-2	5+87.50	50.0 LF	2	X	
P-3	8+00.15	50.0 LF	2	X	
P-4	0+40	50.0 LF	2	X	DELETED
TOTALS		147.0 LF	8		

PIPE NOTES:

1. PIPE LOCATIONS AS SHOWN ON THE PLAN AND PROFILE SHEETS ARE APPROXIMATE AND MAY BE CHANGED BY THE ENGINEER.
2. PIPE ALIGNMENTS AND GRADIENTS SHALL MATCH THE NATURAL STREAM BEDS.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: D. STEVENS	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION
	SOUTH MITKOF FERRY TERMINAL PROJECT NO. 67833
CHECKED BY: M. LUKSHIN DRAWN BY: D. STEVENS	SUMMARY TABLES
PATH: Q:\Psg\67833\Plans\01_SUMMARY.dwg PLOT: Wed, 27/Apr/05 11:52AM dstevens	
REVISIONS	PROJECT DESIGNATION STP-0003(65) /67833
NO. DATE DESCRIPTION	YEAR 2005
	SHEET NO. D1
	TOTAL SHEETS 27

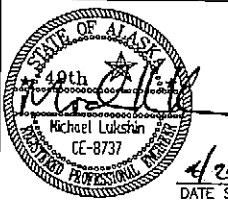
STANDARD SIGNING SUMMARY

No.	LOCATION	TYPE	FACING TRAFFIC	LEGEND	SIZE		AREA S.F.	POST SIZE	REMARKS
					WD.	HT.			
21	AT THE END OF THE DOCK	SPECIAL	SW	LARGE RESTRICTED AREA SIGN	48"	36"	12.0	—	MOUNT PER THE ENGINEER
22	AT THE SOUTH END OF THE DOCK	SPECIAL	SE	LARGE RESTRICTED AREA SIGN	48"	36"	12.0	—	MOUNT PER THE ENGINEER
23	AT THE NORTH END OF THE DOCK	SPECIAL	NW	LARGE RESTRICTED AREA SIGN	48"	36"	12.0	—	MOUNT PER THE ENGINEER
24	AT THE BEGINNING OF THE APPROACH	SPECIAL	SE	LARGE RESTRICTED AREA SIGN	48"	36"	12.0	—	MOUNT PER THE ENGINEER
25	AT THE MIDDLE OF THE APPROACH	SPECIAL	SE	LARGE RESTRICTED AREA SIGN	48"	36"	12.0	—	MOUNT PER THE ENGINEER
26	AT THE END OF THE APPROACH	SPECIAL	SE	LARGE RESTRICTED AREA SIGN	48"	36"	12.0	—	MOUNT PER THE ENGINEER
27	AT THE BEGINNING OF THE APPROACH	SPECIAL	NW	LARGE RESTRICTED AREA SIGN	48"	36"	12.0	—	MOUNT PER THE ENGINEER
28	AT THE MIDDLE OF THE APPROACH	SPECIAL	NW	LARGE RESTRICTED AREA SIGN	48"	36"	12.0	—	MOUNT PER THE ENGINEER
29	AT THE END OF THE APPROACH	SPECIAL	NW	LARGE RESTRICTED AREA SIGN	48"	36"	12.0	—	MOUNT PER THE ENGINEER
33	INSIDE THE TRAILER WAITING AREA	SPECIAL	—	LARGE RESTRICTED AREA SIGN	48"	36"	12.0	—	MOUNT PER THE ENGINEER
34	SPARE	SPECIAL	—	SUBJECT TO SEARCH	48"	24"	8.0	—	MOUNT PER THE ENGINEER
35	SPARE	SPECIAL	—	SUBJECT TO SEARCH	48"	24"	8.0	—	DELIVER TO THE ENGINEER
36	AT THE ENTRANCE TO THE TRAILER	SPECIAL	—	SUBJECT TO SEARCH	48"	24"	8.0	—	DELIVER TO THE ENGINEER
37	AT THE ENTRANCE TO THE TRAILER	SPECIAL	—	SMALL RESTRICTED AREA SIGN	24"	18"	3.0	—	MOUNT PER THE ENGINEER
38	AT THE ENTRANCE TO THE TRAILER	SPECIAL	—	SMALL RESTRICTED AREA SIGN	24"	18"	3.0	—	MOUNT PER THE ENGINEER
39	AT THE ENTRANCE TO THE TRAILER	SPECIAL	—	SMALL RESTRICTED AREA SIGN	24"	18"	3.0	—	MOUNT PER THE ENGINEER
39	AT THE ENTRANCE TO THE GENSET BLDG	SPECIAL	—	SMALL RESTRICTED AREA SIGN	24"	18"	3.0	—	MOUNT PER THE ENGINEER
40	ON THE PASSENGER SHELTER BUILDING	SPECIAL	—	SMALL RESTRICTED AREA SIGN	24"	18"	3.0	—	MOUNT PER THE ENGINEER
41	AROUND THE FENCE, FACING OUTSIDE	SPECIAL	—	SMALL RESTRICTED AREA SIGN	24"	18"	3.0	—	MOUNT PER THE ENGINEER
42	AROUND THE FENCE, FACING OUTSIDE	SPECIAL	—	SMALL RESTRICTED AREA SIGN	24"	18"	3.0	—	MOUNT PER THE ENGINEER
43	AROUND THE FENCE, FACING OUTSIDE	SPECIAL	—	SMALL RESTRICTED AREA SIGN	24"	18"	3.0	—	MOUNT PER THE ENGINEER
44	AROUND THE FENCE, FACING OUTSIDE	SPECIAL	—	SMALL RESTRICTED AREA SIGN	24"	18"	3.0	—	MOUNT PER THE ENGINEER
45	AROUND THE FENCE, FACING OUTSIDE	SPECIAL	—	SMALL RESTRICTED AREA SIGN	24"	18"	3.0	—	MOUNT PER THE ENGINEER
46	AROUND THE FENCE, FACING OUTSIDE	SPECIAL	—	SMALL RESTRICTED AREA SIGN	24"	18"	3.0	—	MOUNT PER THE ENGINEER
47	AROUND THE FENCE, FACING OUTSIDE	SPECIAL	—	SMALL RESTRICTED AREA SIGN	24"	18"	3.0	—	MOUNT PER THE ENGINEER
48	AROUND THE FENCE, FACING OUTSIDE	SPECIAL	—	SMALL RESTRICTED AREA SIGN	24"	18"	3.0	—	MOUNT PER THE ENGINEER
49	AROUND THE FENCE, FACING OUTSIDE	SPECIAL	—	SMALL RESTRICTED AREA SIGN	24"	18"	3.0	—	MOUNT PER THE ENGINEER
50	AROUND THE FENCE, FACING OUTSIDE	SPECIAL	—	SMALL RESTRICTED AREA SIGN	24"	18"	3.0	—	MOUNT PER THE ENGINEER
51	AROUND THE FENCE, FACING OUTSIDE	SPECIAL	—	SMALL RESTRICTED AREA SIGN	24"	18"	3.0	—	MOUNT PER THE ENGINEER
SHEET TOTAL= 180.0									

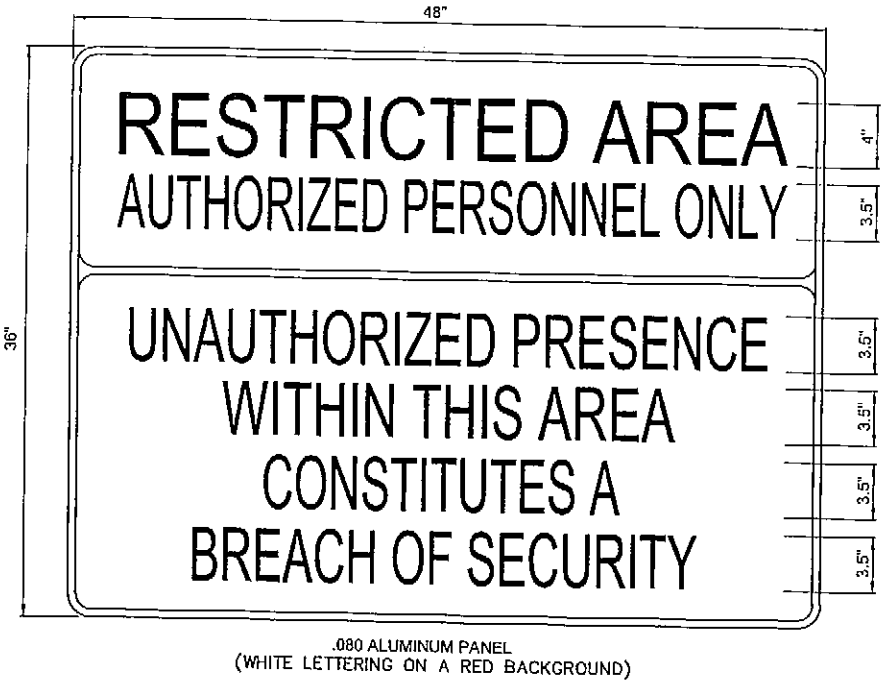
177.00

AS-BUILT
HAM 11-14-06

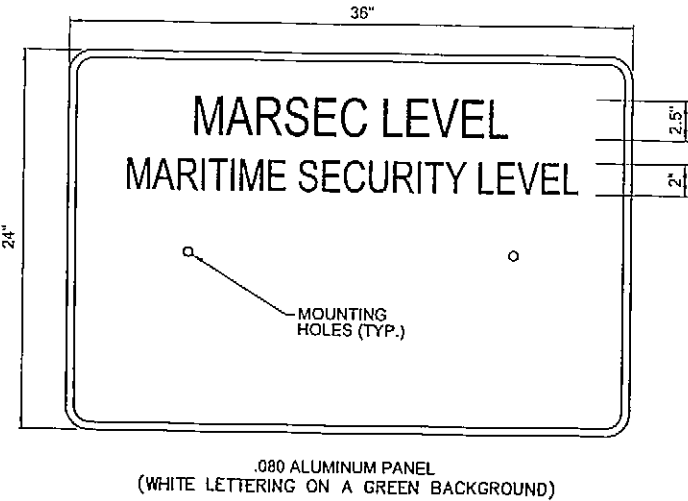
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: D. STEVENS		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION	
		SOUTH MITKOF FERRY TERMINAL PROJECT NO. 67833	
CHECKED BY: M. LUKSHIN DRAWN BY: D. STEVENS		SUMMARY TABLES	
PATH: O:\Peg\67833\Plans\SECURITY SIGNS.dwg PLOT: Wed, 27/Apr/05 09:01AM dastevens			
REVISIONS		PROJECT DESIGNATION	
NO.	DATE	DESCRIPTION	STP-0003(65) /67833
			YEAR
			2005
			SHEET NO.
			D2
			TOTAL SHEETS
			27

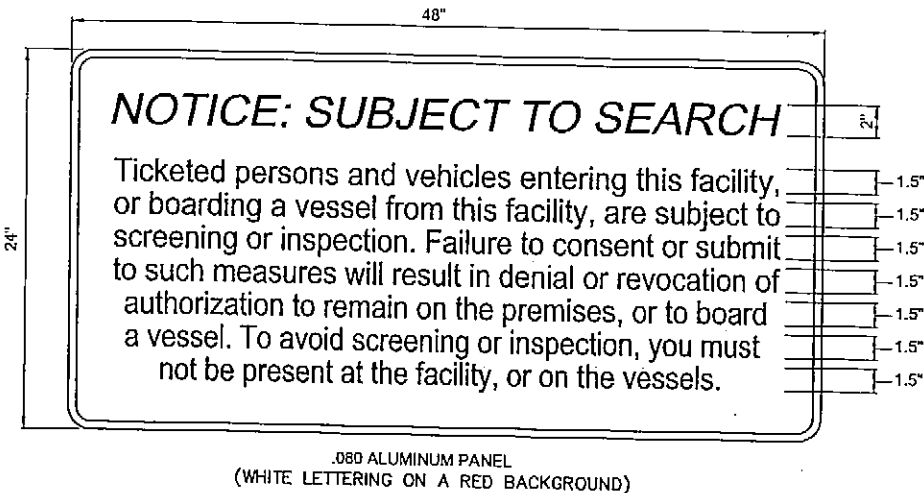
SPECIAL LARGE RESTRICTED AREA SIGN DETAILS



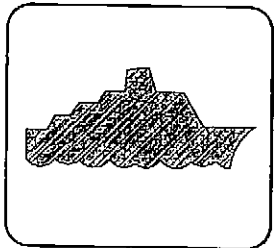
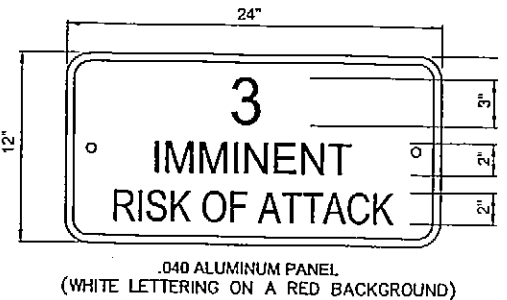
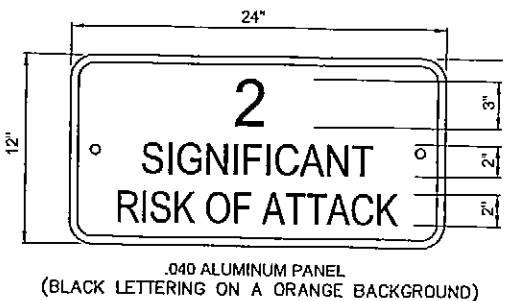
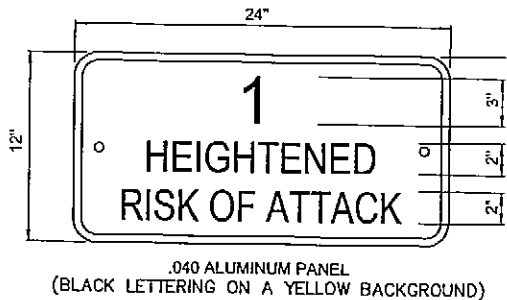
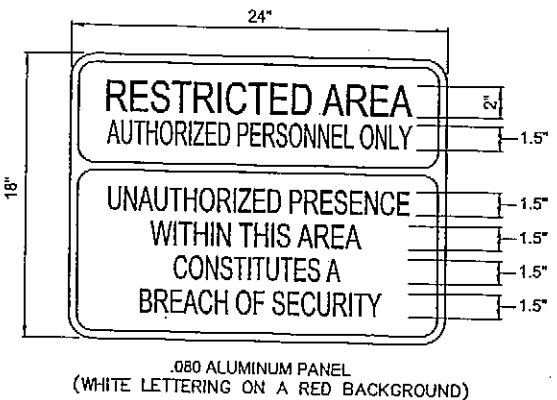
SPECIAL MARSEC SIGN DETAILS



SPECIAL SUBJECT TO SEARCH SIGN DETAILS



SPECIAL SMALL RESTRICTED AREA SIGN DETAILS



I-8 SIGN DETAILS

AS-BUILT
11-14-06 KAM

FILED:
Q:\Peg\67833\Planest\Special Sign Details.dwg
Tue, 28/Apr/05 09:08AM
PLOT:
PSPACE 1=1(F) OR MSPACE 1=1(F)
TAB: C1

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

**SOUTH MITKOF
FERRY TERMINAL
PROJECT NO. 67833**

Special Sign Details

CHECKED BY: M. LUKSHIN

 4/27/05
DATE SIGNED

DESIGNED BY: D. STEVENS

DRAWN BY: D. STEVENS

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

**SOUTH MITKOF
FERRY TERMINAL**

**Special Sign
Details**

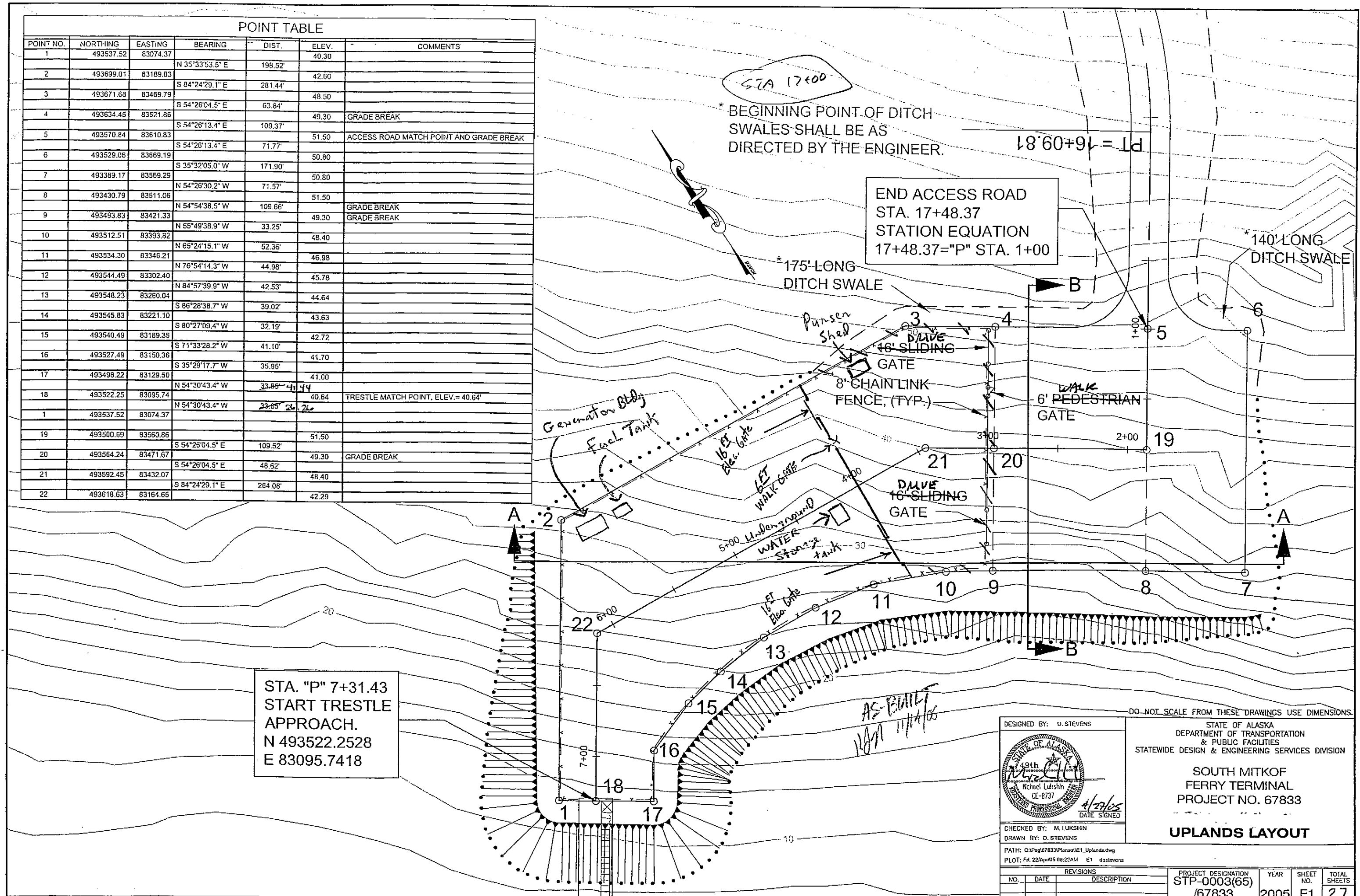
PROJECT DESIGNATION NUMBER

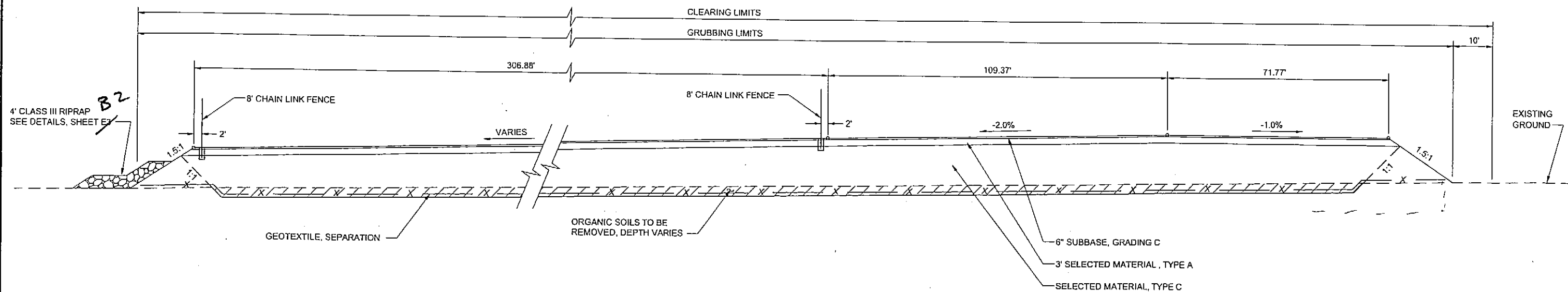
STP-0003(65)/67833

STATE	YEAR
ALASKA	2005

SHEET NUMBER	TOTAL SHEETS
D3	27

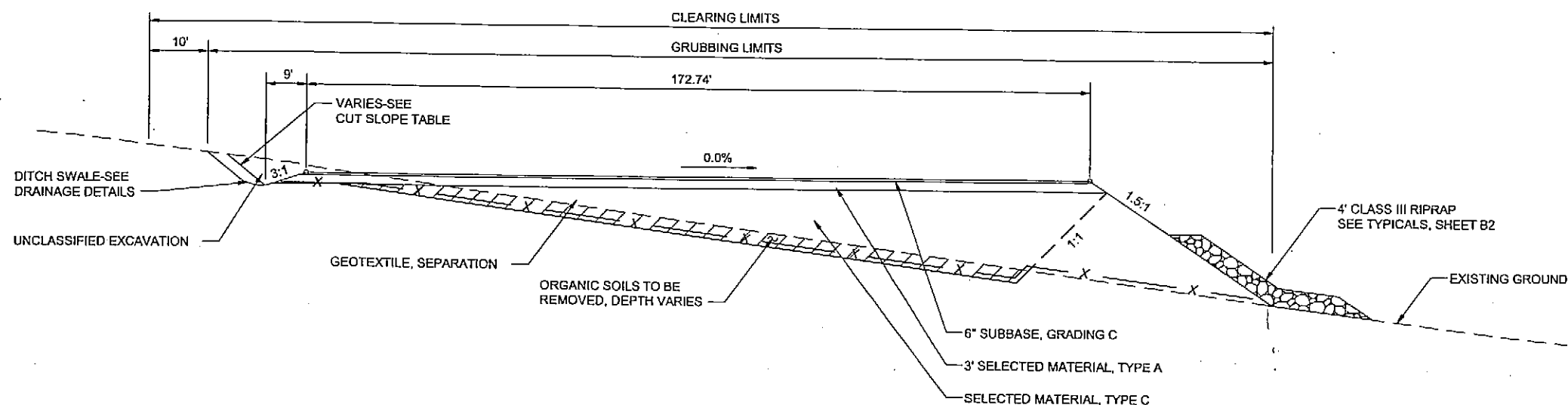
POINT TABLE						
POINT NO.	NORTHING	EASTING	BEARING	DIST.	ELEV.	COMMENTS
1	493537.52	83074.37	N 35°33'53.5" E	198.52'	40.30	
2	493699.01	83189.83	S 84°24'29.1" E	281.44'	42.60	
3	493671.68	83469.79	S 54°26'04.5" E	63.84'	48.50	
4	493634.45	83521.86	S 54°26'13.4" E	109.37'	49.30	GRADE BREAK
5	493570.84	83610.83	S 54°26'13.4" E	71.77'	51.50	ACCESS ROAD MATCH POINT AND GRADE BREAK
6	493529.06	83669.19	S 35°32'05.0" W	171.90'	50.80	
7	493389.17	83569.29	N 54°26'30.2" W	71.57'	50.80	
8	493430.79	83511.06	N 54°54'38.5" W	109.66'	51.50	GRADE BREAK
9	493493.83	83421.33	N 65°49'38.9" W	33.25'	49.30	GRADE BREAK
10	493512.51	83393.82	N 65°24'15.1" W	52.36'	48.40	
11	493534.30	83346.21	N 76°54'14.3" W	44.98'	46.98	
12	493544.49	83302.40	N 84°57'39.9" W	42.53'	45.78	
13	493548.23	83260.04	S 86°28'38.7" W	39.02'	44.64	
14	493545.83	83221.10	S 80°27'09.4" W	32.19'	43.63	
15	493540.49	83189.35	S 71°33'28.2" W	41.10'	42.72	
16	493527.49	83150.36	S 35°29'17.7" W	35.95'	41.70	
17	493498.22	83129.50	N 54°30'43.4" W	33.85'	41.00	
18	493522.25	83095.74	N 54°30'43.4" W	23.85'	40.64	TRESTLE MATCH POINT, ELEV.= 40.64'
1	493537.52	83074.37				
19	493500.69	83560.86	S 54°26'04.5" E	109.52'	51.50	
20	493564.24	83471.67	S 54°26'04.5" E	48.62'	49.30	GRADE BREAK
21	493592.45	83432.07	S 84°24'29.1" E	264.08'	48.40	
22	493618.63	83164.65			42.29	





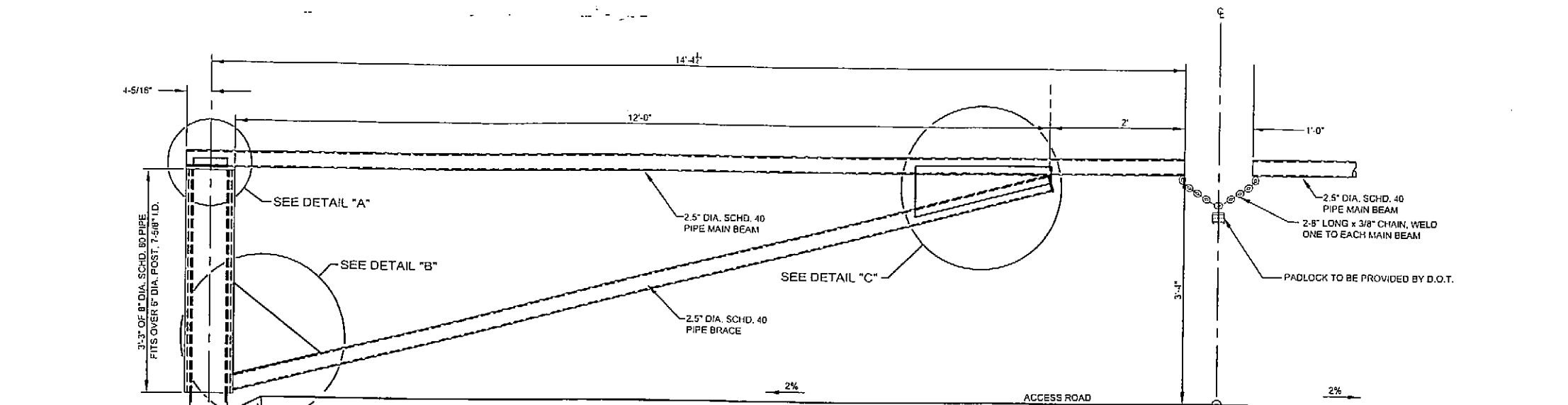
SECTION A-A
SCALE: N.T.S.

AS-BUILT
11-14-06 KDM



SECTION B-B
SCALE: N.T.S.

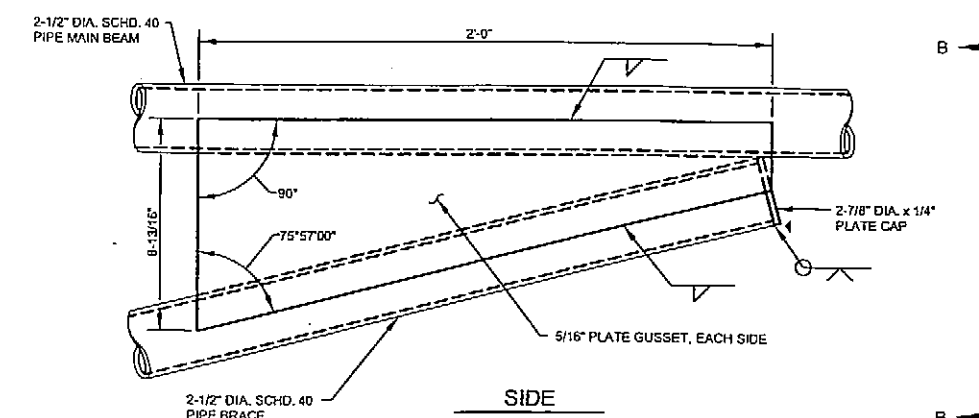
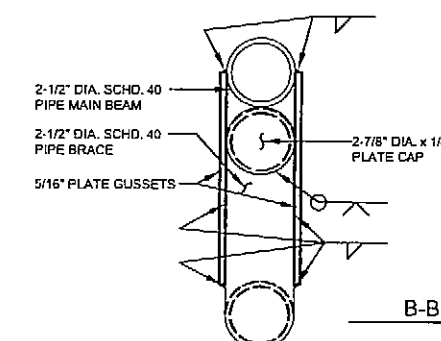
DESIGNED BY: D. STEVENS		DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION	
		SOUTH MITKOF FERRY TERMINAL PROJECT NO. 67833	
CHECKED BY: M. LUKSHIN		PARKING AREA TYPICALS	
DRAWN BY: D. STEVENS			
PATH: Q:\Psg\67833\PlanSet\E_DETAILS.dwg			
PLOT: Wed, 27/Apr/05 07:14AM dastevens			
REVISIONS NO. DATE DESCRIPTION		PROJECT DESIGNATION	YEAR
		STP-0003(65)	2005
		/67833	E2
			TOTAL SHEETS
			27



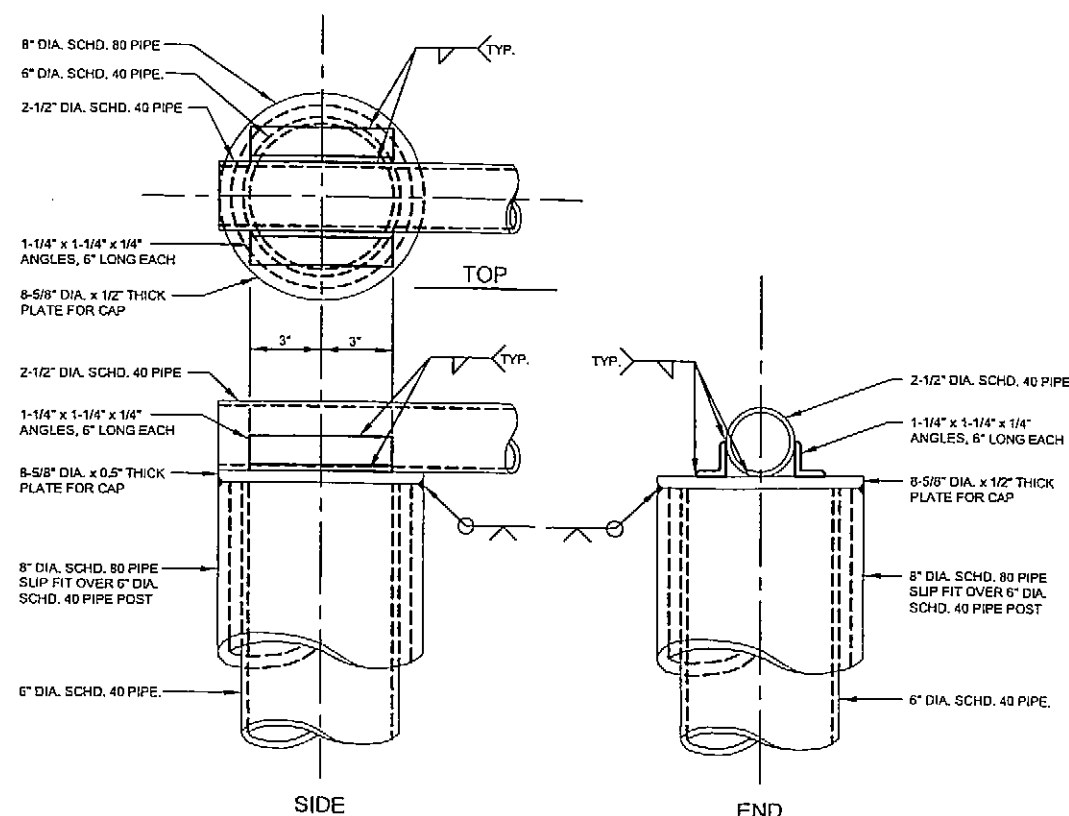
AS-BUILT
11-14-06 RDM

GATE DETAIL

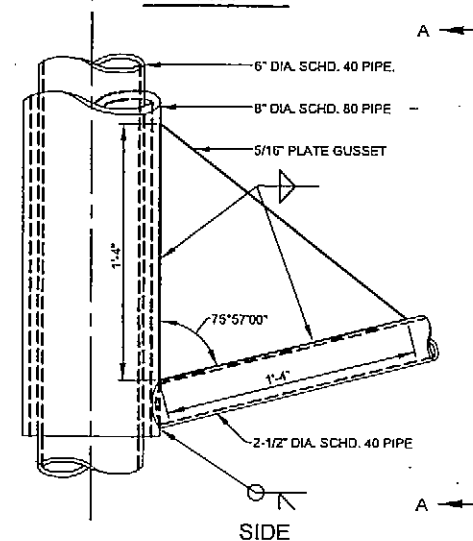
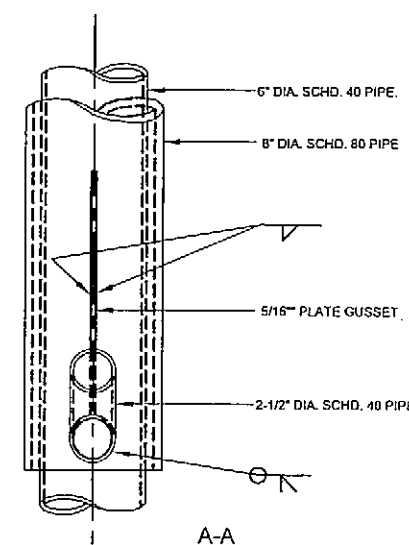
2 REQUIRED



DETAIL "C"



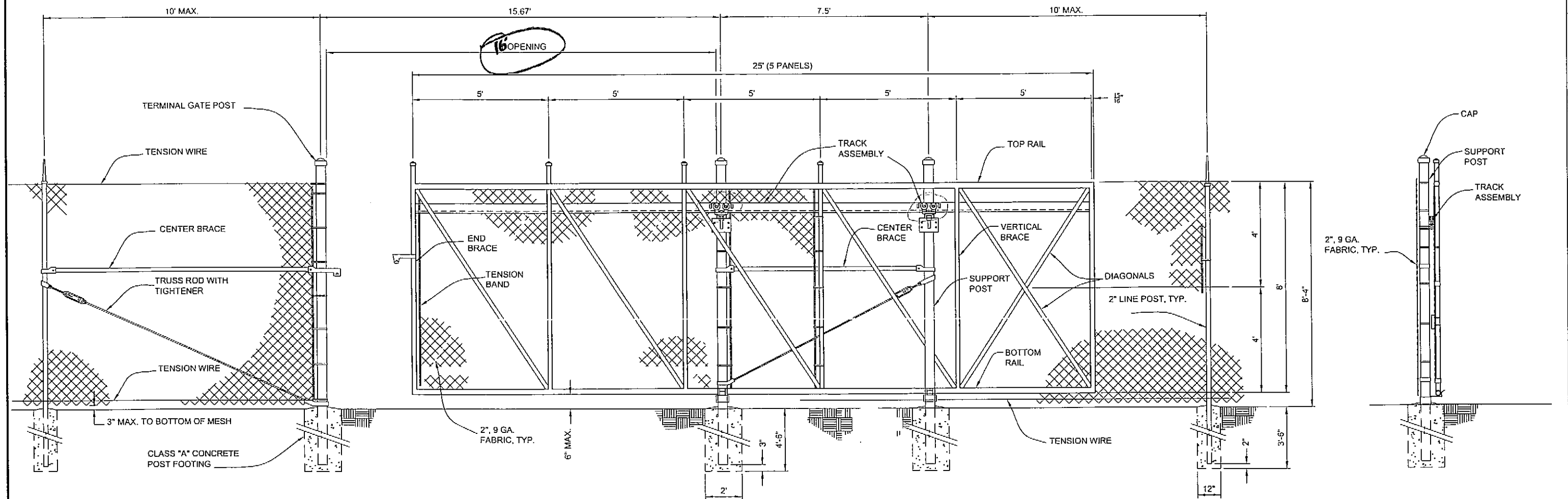
DETAIL "A"



DETAIL "B"

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: D. STEVENS		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION															
		SOUTH MITKOF FERRY TERMINAL PROJECT NO. 67833 ROAD CLOSURE GATE DETAILS PIPE GATE DETAILS															
CHECKED BY: M. LUKSHIN DRAWN BY: D. STEVENS		DATE SIGNED: 4/23/05															
PATH: Q:\Psg\67833\PlonsoRE_misc_Details2.dwg PLOT: Thu, 21/Apr/05 02:23PM E4 daslavens																	
<table border="1"> <thead> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <th>NO.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>		REVISIONS		NO.	DATE			<table border="1"> <thead> <tr> <th>PROJECT DESIGNATION</th> <th>YEAR</th> <th>SHEET NO.</th> <th>TOTAL SHEETS</th> </tr> </thead> <tbody> <tr> <td>STP-0003(65) /67833</td> <td>2005</td> <td>E4</td> <td>27</td> </tr> </tbody> </table>		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS	STP-0003(65) /67833	2005	E4	27
REVISIONS																	
NO.	DATE																
PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS														
STP-0003(65) /67833	2005	E4	27														



ELEVATION
 DRIVE
 SLIDING GATE DETAIL

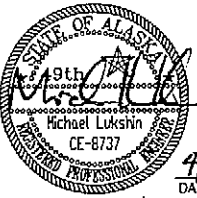
SECTION
 CONCRETE BASE

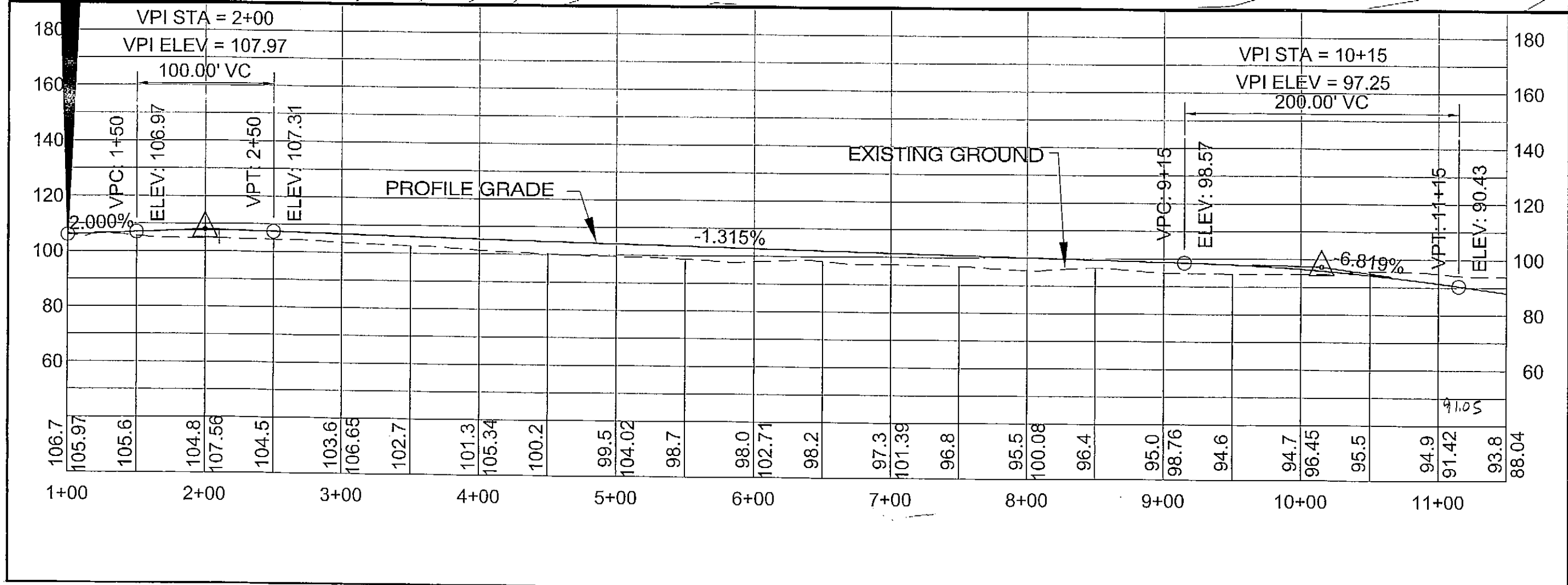
FENCING NOTES:

1. FENCE FABRIC SHALL BE 9 GA. WIRE WOVEN IN A 2" MESH. FENCING SHALL BE 8' TALL.
2. NOT ALL OF CHAINLINK FENCE AND MISC. FENCING HARDWARE IS SHOWN IN THIS DETAIL. REFER TO DOT/PP STANDARD DETAIL, DRAWING No. F-01.01 FOR FURTHER DETAILS.

AS-BUILT
 11-14-06 RDM

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: D. STEVENS		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION															
		SOUTH MITKOF FERRY TERMINAL PROJECT NO. 67833 16 FT. SLIDING GATE DETAILS															
CHECKED BY: M. LUKSHIN DRAWN BY: D. STEVENS		DATE SIGNED: 4/27/05															
PATH: Q:\P\67833\PlanSet\Gate_details.dwg PLOT: Tue, 26/Apr/05 10:15AM Plan.dwt																	
<table border="1"> <thead> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <th>NO.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>		REVISIONS		NO.	DATE			<table border="1"> <thead> <tr> <th>PROJECT DESIGNATION</th> <th>YEAR</th> <th>SHEET NO.</th> <th>TOTAL SHEETS</th> </tr> </thead> <tbody> <tr> <td>STP-0003(65) /67833</td> <td>2005</td> <td>E5</td> <td>27</td> </tr> </tbody> </table>		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS	STP-0003(65) /67833	2005	E5	27
REVISIONS																	
NO.	DATE																
PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS														
STP-0003(65) /67833	2005	E5	27														



**SOUTH MITKOF
FERRY TERMINAL
PROJECT NO. 67833**

**PLAN & PROFILE
00.00 TO STA. 11.**

DESIGNED BY: C. HAKARI
DRAWN BY: D. STEVENS
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION

**SOUTH MITKOF
FERRY TERMINAL**

PLAN & PROFILE

PROJECT DESIGNATION NUMBER

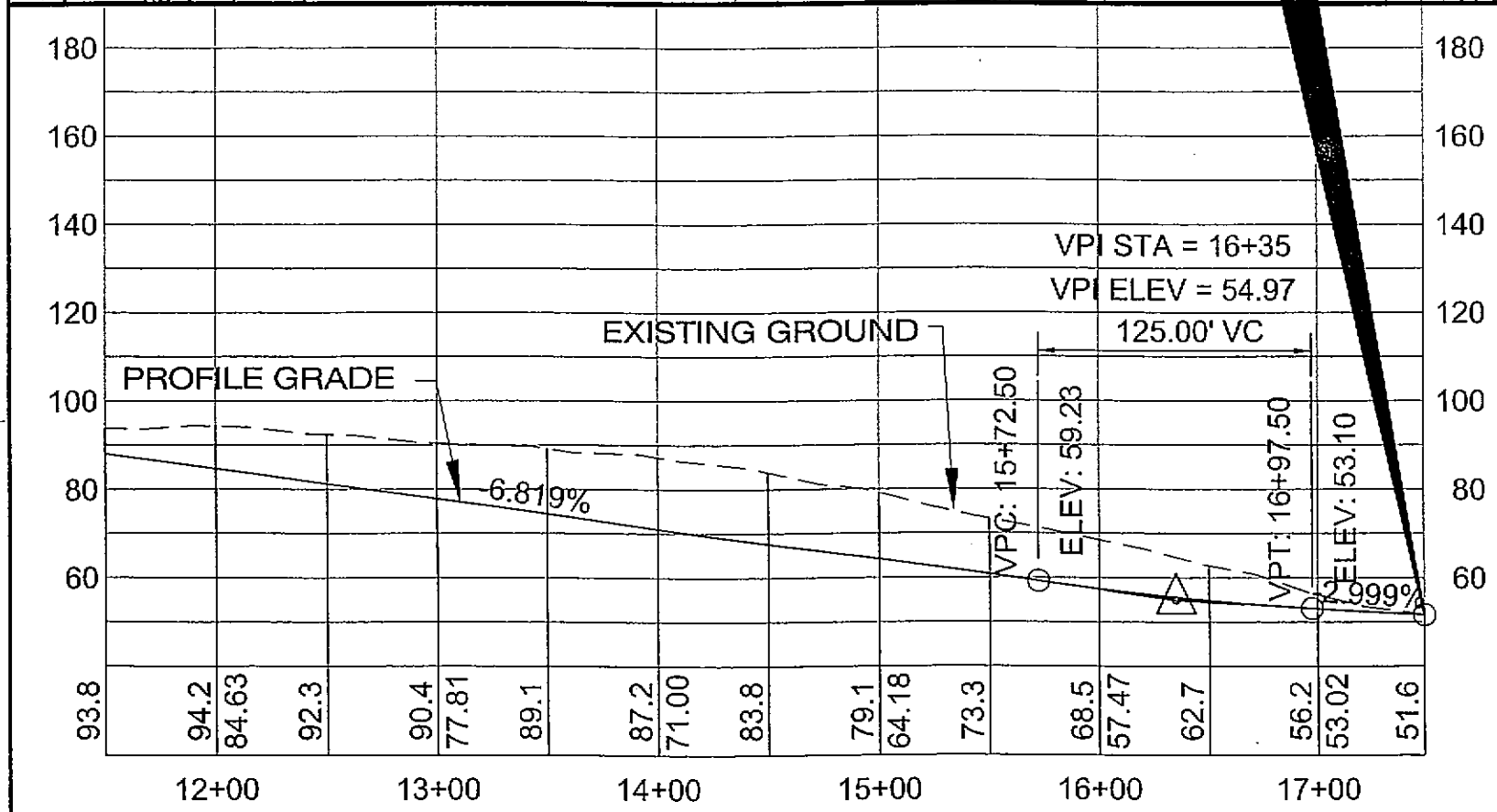
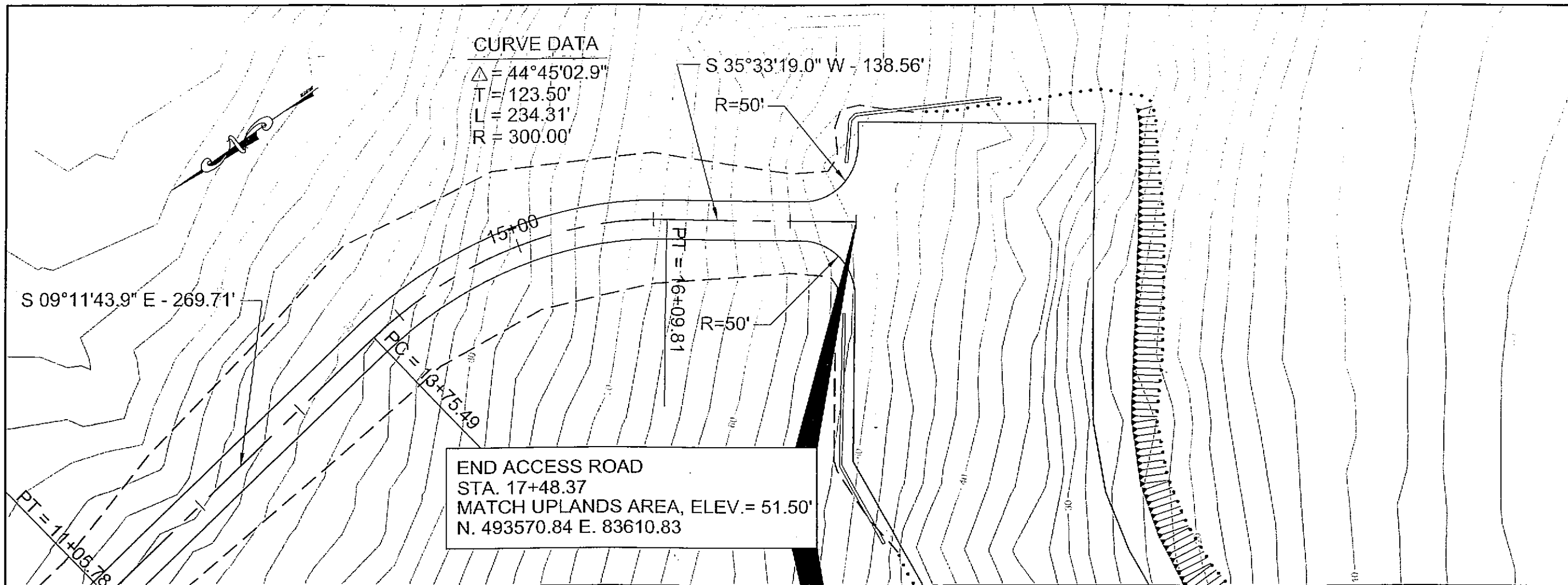
STP-0003(65)/67833

STATE	YEAR
-------	------

ALASKA	2005
--------	------

SHEET NUMBER	TOTAL SHEETS
--------------	--------------

F1	27
----	----



AS-BUILT
 11-14-06

PATH:
 Q:\P2018\7333\PlanSet\Plan.dwg

En: 22Apr05 07:33AM

TAB: Plan2

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

**SOUTH MITKOF
 FERRY TERMINAL
 PROJECT NO. 67833**

**PLAN & PROFILE
 STA. 11+50.00 TO STA. 17+48.37**

CHECKED BY: M. LUKSHIN

DESIGNED BY: C. HAKARI

DRAWN BY: D. STEVENS

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

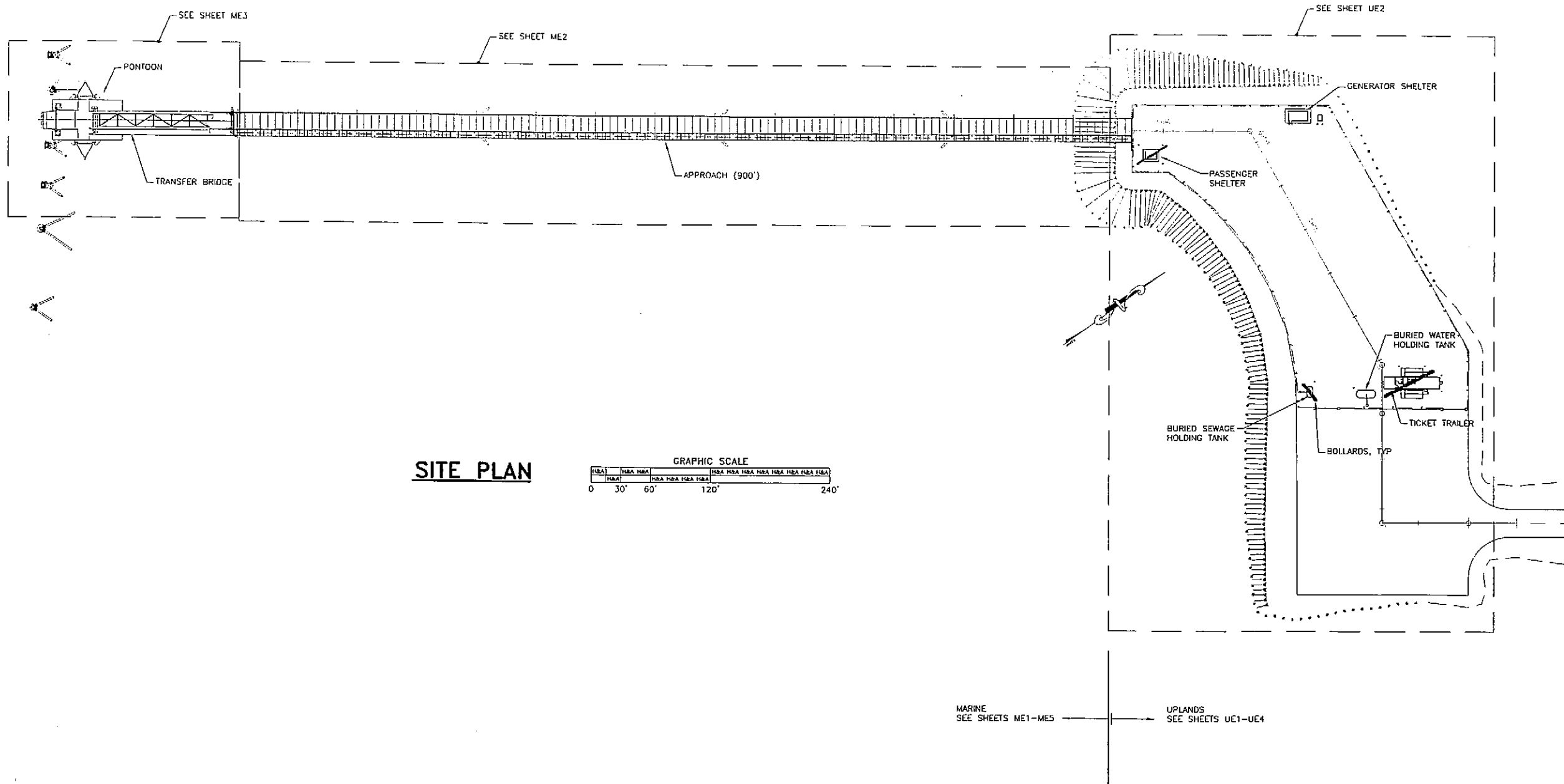
**SOUTH MITKOF
 FERRY TERMINAL**

PLAN & PROFILE

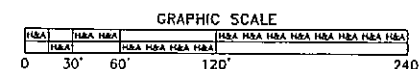
PROJECT DESIGNATION NUMBER
 STP-0003(65)/67833

STATE	YEAR
ALASKA	2005

SHEET NUMBER	TOTAL SHEETS
F2	27



SITE PLAN



LEGEND

AFG	ABOVE FINISHED GRADE
GRS	GALVANIZED RIGID STEEL
UON	UNLESS OTHERWISE NOTED
WP	WEATHERPROOF
S	SINGLE POLE SWITCH, 48" AFF
HOA	HAND-OFF-AUTO CONTROL SWITCH
LC	LIGHTING CONTACTOR
PE	PHOTO EYE

	FLUORESCENT LUMINAIRE
	EXTERIOR CEILING MOUNTED LUMINAIRE
	EXTERIOR WALL MOUNTED LUMINAIRE
	EXTERIOR POLE MOUNTED LUMINAIRE
	JUNCTION BOX
	HANDHOLE
	PANELBOARD
	MOTOR CONNECTION
	COMBINATION STARTER/DISCONNECT
	GROUND ROD

	HOME RUN
	CONDUIT: 1/2" UON.
	UNGROUND CONDUCTORS
	NEUTRAL: #10 WITH DOT #12 OTHERWISE
	GROUND CONDUCTOR
	CONDUCTORS NOT SHOWN WHERE ONLY #12 NEUTRAL AND UNGROUNDED CONDUCTOR ARE REQUIRED
	FLEXIBLE CONDUIT

NOTE: ALL DEVICE HEIGHTS TO CENTER, UON.

PATH:		
TAB:		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

AS-BUILT
11-14-06 X.A.M.

SOUTH MITKOF
FERRY TERMINAL
PROJECT NO. 67833

ELECTRICAL
SITE PLAN

CHECKED BY: BCH



DESIGNED BY: MAS

DRAWN BY: RLD

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

**SOUTH MITKOF
FERRY TERMINAL**

**Electrical
Site Plan**

PROJECT DESIGNATION NUMBER

STP-0003(65)/67833

STATE	YEAR
-------	------

ALASKA	2005
--------	------

SHEET NUMBER	TOTAL SHEETS
--------------	--------------

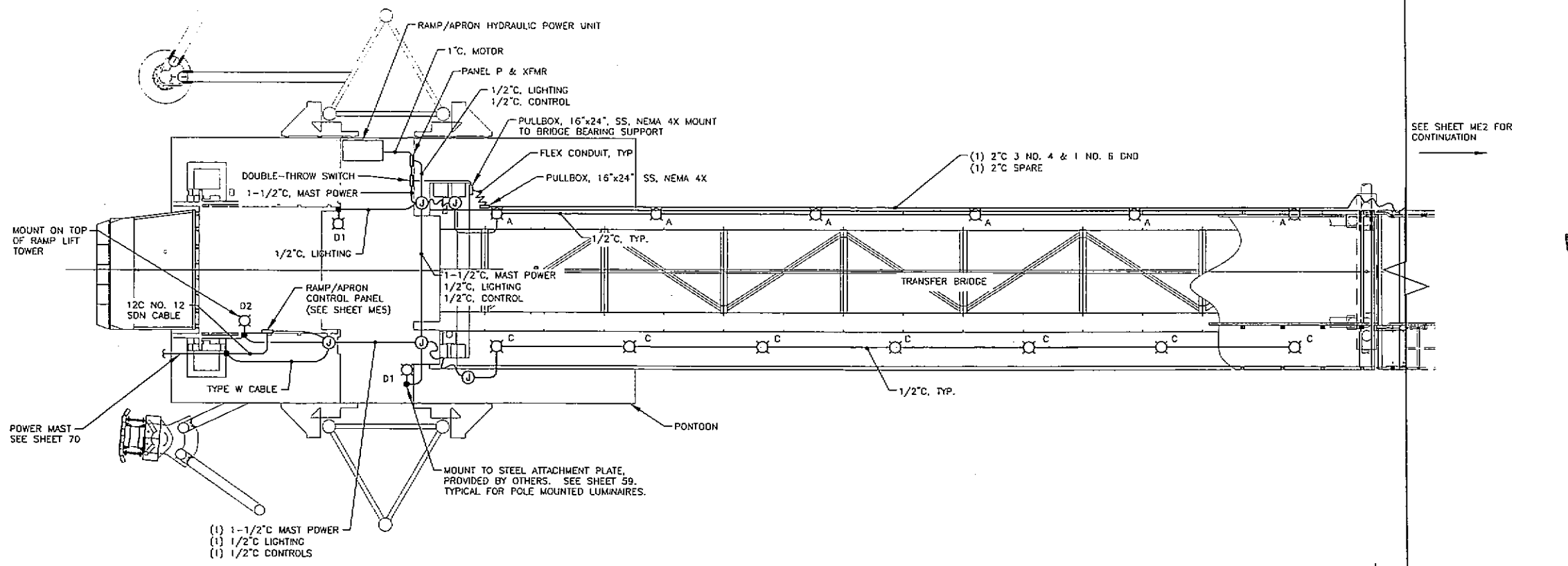
ME1	ME5
-----	-----



**HAIGHT
& ASSOCIATES**

CONSULTING
ELECTRICAL
ENGINEERS

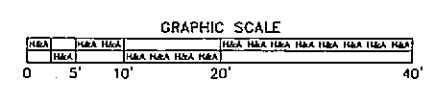
526 Main Street
Juneau, Alaska 99801
(907) 586-9788



AS-BUILT
11-14-06 RLM

- NOTES:
1. MOUNT PANEL P, DOUBLE-THROW SWITCH, CONTROL PANEL AND TRANSFORMER TO RAILINGS OF MARINE STRUCTURE. MAINTAIN CODE REQUIRED CLEARANCES AND ACCESS FOR MAINTENANCE. ALL ENCLOSURES SHALL BE SS, NEMA 4X.
 2. FLEX CONDUIT BETWEEN BRIDGE AND APPROACH SHALL ACCOMMODATE ~ 1' OF TRANSLATION AND 60° OF ROTATION ABOUT BRIDGE BEARINGS.
 3. FLEX CONDUIT BETWEEN BRIDGE AND PLATFORM SHALL ACCOMMODATE ~ 6' OF TRANSLATION AND 60° OF ROTATION ABOUT BRIDGE BEARINGS.
 4. FLEX CONDUIT BETWEEN PLATFORM AND RAMP SHALL ACCOMMODATE ~ 30' OF ROTATION ABOUT RAMP BEARINGS.

PONTON & TRANSFER BRIDGE



PATH:		
TAB:		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

SOUTH MITKOF FERRY TERMINAL PROJECT NO. 67833 ELECTRICAL PONTON & TRANSFER BRIDGE PLAN

CHECKED BY: BCH



DESIGNED BY: MAS
DRAWN BY: RLD

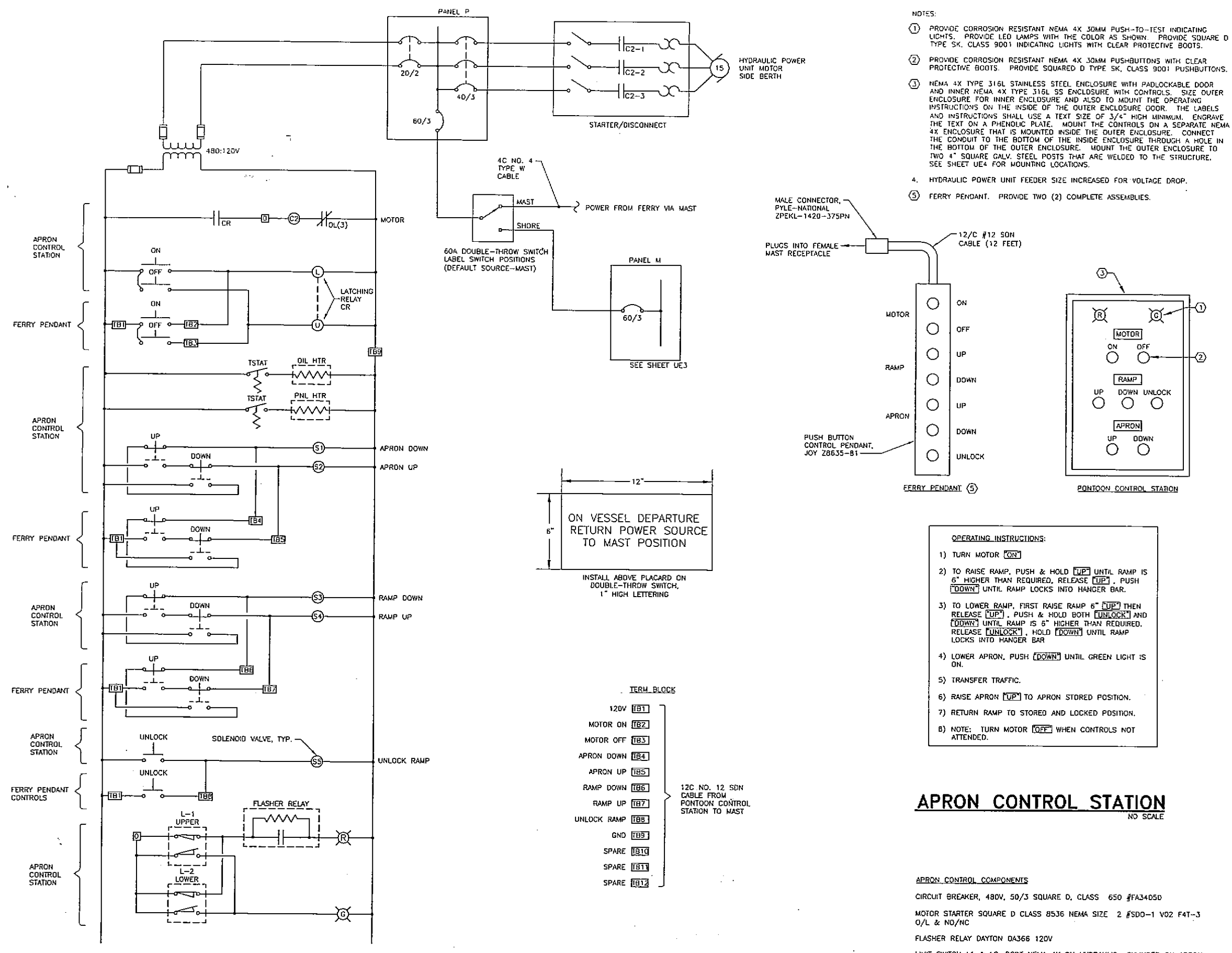
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION

HAIGHT & ASSOCIATES
CONSULTING
ELECTRICAL
ENGINEERS
526 Main Street
Juneau, Alaska 99801
(907) 586-9788

SOUTH MITKOF FERRY TERMINAL Pontoon & Transfer Bridge Plan	
PROJECT DESIGNATION NUMBER	
STP-0003(65)/67833	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
ME3	ME5

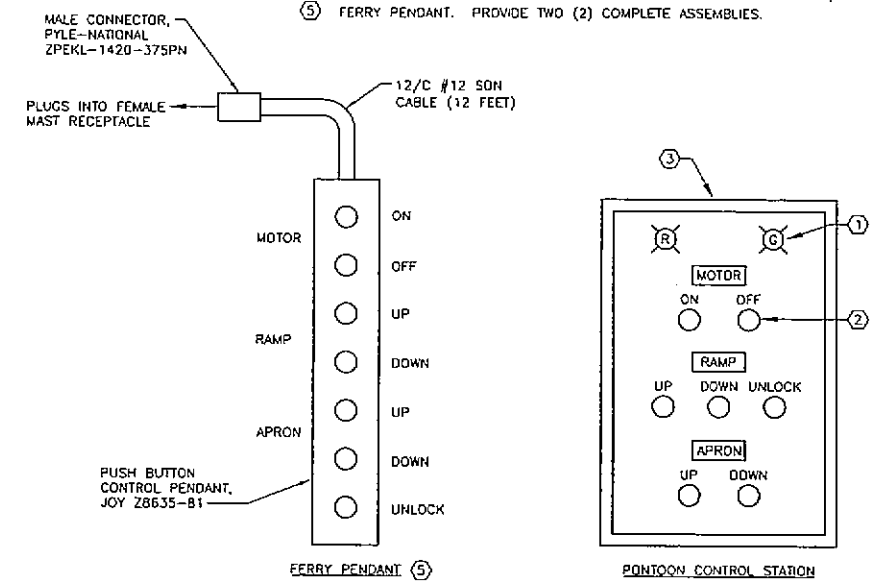
Apr 23, 2005 - 4:21pm
F:\projects\127 Caren\Dom Inc\138 South Mitkof Ferry Terminal Drawings\FINAL\138-ME1-3-UE1-2.dwg (ME3.tbl)

F:\projects\127 Carson Dock Inc\128 South Mitkof Ferry Terminal\Drawings\TEMP-128-UE5.dwg (3 tab)



RAMP AND APRON CONTROL DIAGRAM
NO SCALE

- NOTES:
1. PROVIDE CORROSION RESISTANT NEMA 4X 30MM PUSH-TO-TEST INDICATING LIGHTS. PROVIDE LED LAMPS WITH THE COLOR AS SHOWN. PROVIDE SQUARE D TYPE SK, CLASS 9001 INDICATING LIGHTS WITH CLEAR PROTECTIVE BOOTS.
 2. PROVIDE CORROSION RESISTANT NEMA 4X 30MM PUSHBUTTONS WITH CLEAR PROTECTIVE BOOTS. PROVIDE SQUARED D TYPE SK, CLASS 9001 PUSHBUTTONS.
 3. NEMA 4X TYPE 316L STAINLESS STEEL ENCLOSURE WITH PADLOCKABLE DOOR AND INNER NEMA 4X TYPE 316L SS ENCLOSURE WITH CONTROLS. SIZE OUTER ENCLOSURE FOR INNER ENCLOSURE AND ALSO TO MOUNT THE OPERATING INSTRUCTIONS ON THE INSIDE OF THE OUTER ENCLOSURE DOOR. THE LABELS AND INSTRUCTIONS SHALL USE A TEXT SIZE OF 3/4" HIGH MINIMUM. ENGRAVE THE TEXT ON A PHENOLIC PLATE. MOUNT THE CONTROLS ON A SEPARATE NEMA 4X ENCLOSURE THAT IS MOUNTED INSIDE THE OUTER ENCLOSURE. CONNECT THE CONDUIT TO THE BOTTOM OF THE INSIDE ENCLOSURE THROUGH A HOLE IN THE BOTTOM OF THE OUTER ENCLOSURE. MOUNT THE OUTER ENCLOSURE TO TWO 4" SQUARE GALV. STEEL POSTS THAT ARE WELDED TO THE STRUCTURE. SEE SHEET UE4 FOR MOUNTING LOCATIONS.
 4. HYDRAULIC POWER UNIT FEEDER SIZE INCREASED FOR VOLTAGE DROP.
 5. FERRY PENDANT. PROVIDE TWO (2) COMPLETE ASSEMBLIES.



- OPERATING INSTRUCTIONS:
- 1) TURN MOTOR **ON**
 - 2) TO RAISE RAMP, PUSH & HOLD **[UP]** UNTIL RAMP IS 6" HIGHER THAN REQUIRED, RELEASE **[UP]**, PUSH **[DOWN]** UNTIL RAMP LOCKS INTO HANGER BAR.
 - 3) TO LOWER RAMP, FIRST RAISE RAMP 6" **[UP]** THEN RELEASE **[UP]**, PUSH & HOLD BOTH **[UNLOCK]** AND **[DOWN]** UNTIL RAMP IS 6" HIGHER THAN REQUIRED, RELEASE **[UNLOCK]**, HOLD **[DOWN]** UNTIL RAMP LOCKS INTO HANGER BAR.
 - 4) LOWER APRON, PUSH **[DOWN]** UNTIL GREEN LIGHT IS ON.
 - 5) TRANSFER TRAFFIC.
 - 6) RAISE APRON **[UP]** TO APRON STORED POSITION.
 - 7) RETURN RAMP TO STORED AND LOCKED POSITION.
 - 8) NOTE: TURN MOTOR **OFF** WHEN CONTROLS NOT ATTENDED.

APRON CONTROL STATION
NO SCALE

- APRON CONTROL COMPONENTS
- CIRCUIT BREAKER, 480V, 50/3 SQUARE D, CLASS 650 #FA34050
- MOTOR STARTER SQUARE D CLASS 8536 NEMA SIZE 2 #SD0-1 V02 F4T-3 O/L & NO/NC
- FLASHER RELAY DAYTON DA368 120V
- LIMIT SWITCH L1 & L2, DPDT NEMA 4X ON HYDRAULIC CYLINDER ON APRON LIFT ASSEMBLY
- OIL HEATER, 500W, 120V, CHROMALOX ARTMD-500E2 WITH THERMOSTAT.
- PANEL HEATER, 200W, 120V, HOFFMAN D-AH2001A WITH THERMOSTAT SET AT 40°F.

AS-BUILT
11-14-06
LJM

PATH:

TAB:

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SOUTH MITKOF
FERRY TERMINAL
PROJECT NO. 67833

CHECKED BY: BCH

DESIGNED BY: MAS
DRAWN BY: RLD

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

SOUTH MITKOF
FERRY TERMINAL
Electrical
Details

PROJECT DESIGNATION NUMBER
STP-0003(65)/67833

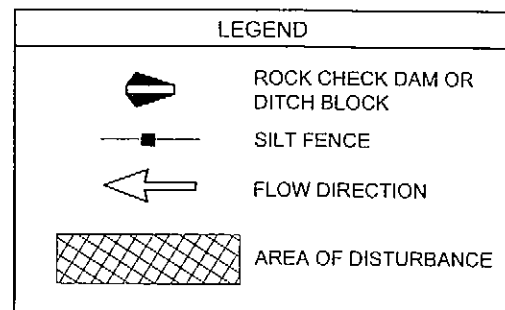
STATE	YEAR
ALASKA	2005

SHEET NUMBER	TOTAL SHEETS
ME5	ME5

HAIGHT & ASSOCIATES
CONSULTING
ELECTRICAL
ENGINEERS

526 Main Street
Juneau, Alaska 99801
(907) 586-9788

ELECTRICAL DETAILS

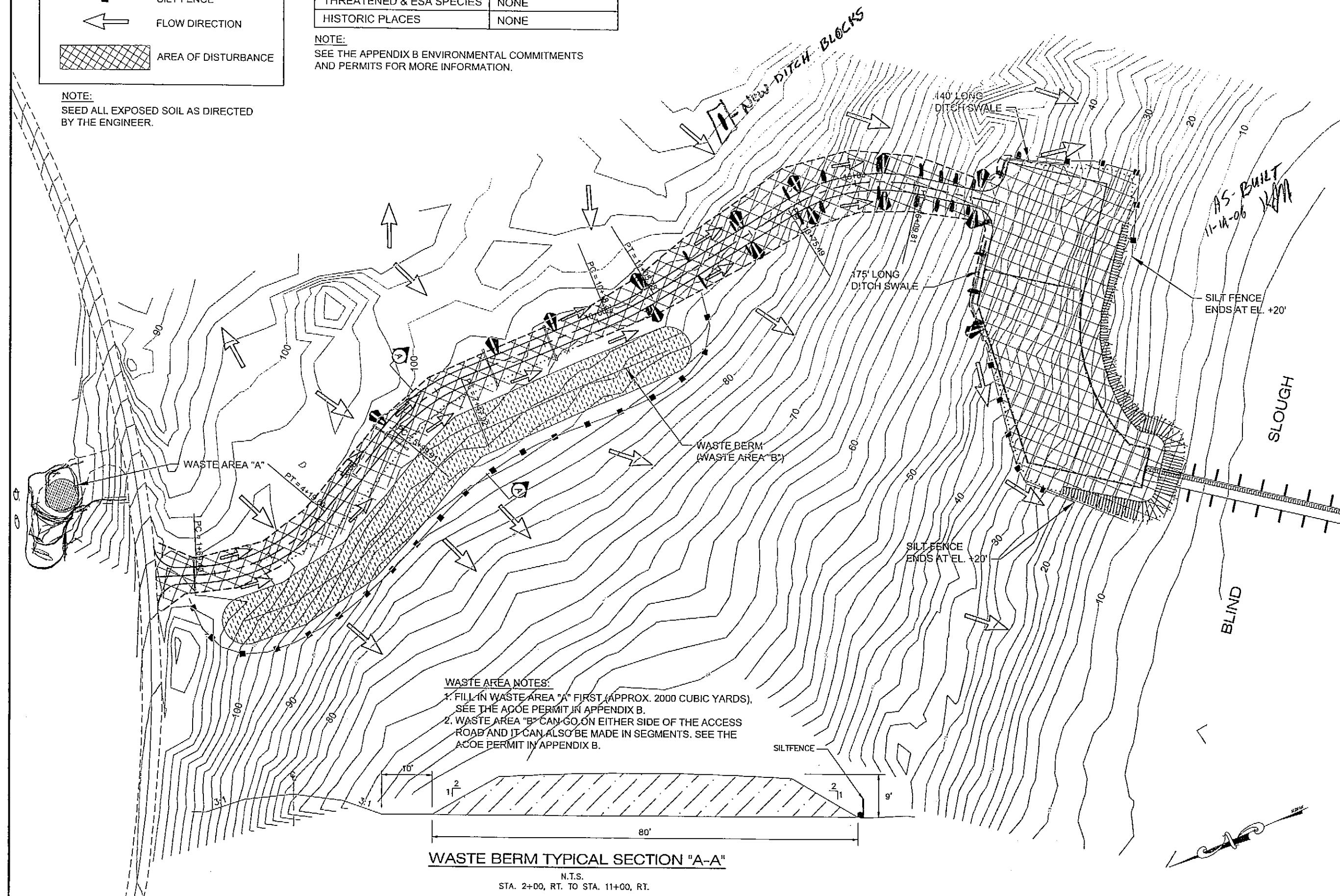


NOTE:
SEED ALL EXPOSED SOIL AS DIRECTED BY THE ENGINEER.

WETLANDS	7 ACRES PERMITTED
IMPAIRED WATERS	NONE
TMDL WATERS	NONE
THREATENED & ESA SPECIES	NONE
HISTORIC PLACES	NONE

NOTE:
SEE THE APPENDIX B ENVIRONMENTAL COMMITMENTS AND PERMITS FOR MORE INFORMATION.

NOTE:
THIS PROPERTY IS LOCATED WITHIN SECTION 36, T.61S., R.81E.,
COPPER RIVER MERIDIAN, (LATITUDE= 56.535° NORTH, LONGITUDE= 132.712° WEST).



PATH: Q:\Page67833\Plans\EP-ESCP_Plan.dwg
Tue, 26/Apr/05 03:06PM dastevens

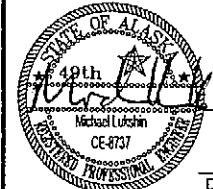
TAB: Plan1

ADDENDUM NUMBER	
ATTACHMENT NUMBER	
RECORD OF REVISIONS	
No.	DATE
DESCRIPTION	

**SOUTH MITKOF
FERRY TERMINAL
PROJECT NO. 67833**

**EROSION & SEDIMENT
CONTROL PLAN**

CHECKED BY: M. LUKSHIN


 4/27/05
 DATE SIGNED

DESIGNED BY: C. HAKARI

DRAWN BY: D. STEVENS

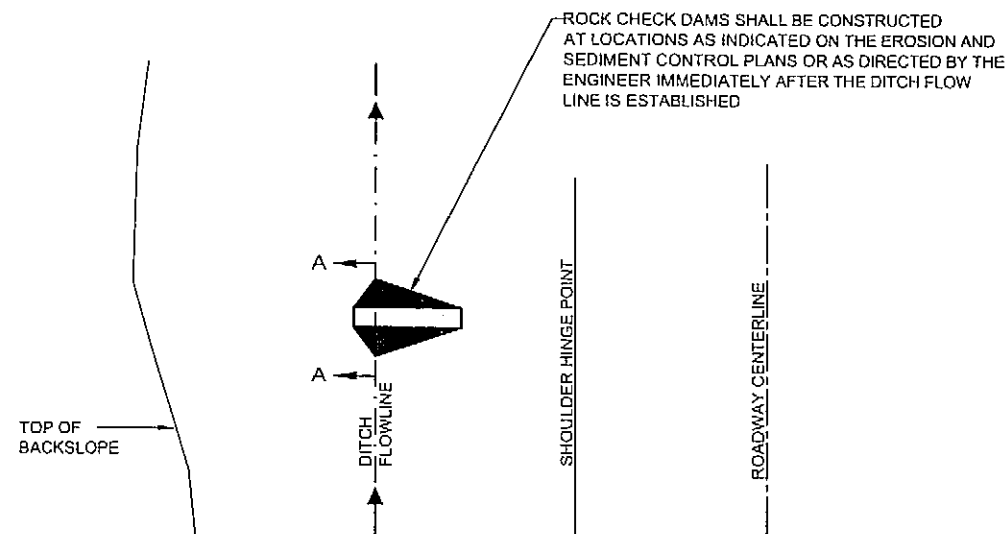
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION

**SOUTH MITKOF
FERRY TERMINAL**

**EROSION & SEDIMENT
CONTROL PLAN**

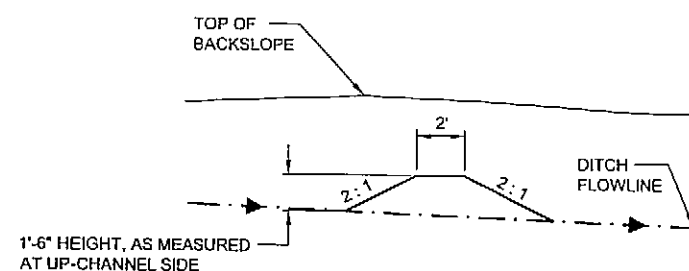
PROJECT DESIGNATION NUMBER
STP-0003(65)/67833

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
P1	27

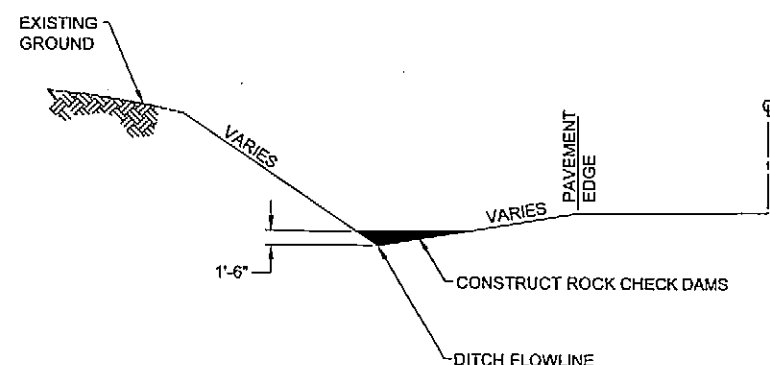


PLAN

ROCK CHECK DAM DETAILS



SECTION A-A



ELEVATION

EROSION & SEDIMENT CONTROL PLAN

GENERAL: THE INTENT OF THE ESCP IS TO KEEP SEDIMENT FROM ENTERING ANY OF THE WATERS SURROUNDING THE PROJECT.

1. AS DITCHING IS COMPLETED CHECK DAMS SHALL BE INSTALLED.
2. SEE ESCP PLAN IN CONTRACT DOCUMENTS FOR DETAILED INFORMATION.
3. INSTALL CHECK DAMS AS SHOWN OR AS DIRECTED BY THE ENGINEER.
4. PETERSBURG, ALASKA (SOURCE: NOAA)

TIDAL DATA	
RAIN FALL: 110"/YEAR	EHW = +20.0'
SNOW FALL: 64"/YEAR	MLLW = 0.00'
	ELW = -5.0'
5. FILL MATERIAL PLACED IN THE INTERTIDAL AREAS (ELEV = +5.0 TO +16.5 ft) SHALL OCCUR DURING DE-WATERED CONDITIONS BY LOW TIDES.
6. CHECK DAMS ARE TEMPORARY BEST MANAGEMENT PRACTICES (BMP'S) TO BE INSTALLED PRIOR TO COMMENCING SILT GENERATING CONSTRUCTION ACTIVITIES. THEY SHALL BE REMOVED AT THE COMPLETION OF CONSTRUCTION.
7. NEW DITCHES, CULVERT PIPES, ^{DITCH BLOCKS} AND RIPRAP ARE PERMANENT STRUCTURAL BMP FEATURES TO REMAIN WHEN CONSTRUCTION IS COMPLETED.

*AS-BUILT
11-14-06 RDM*

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: C. HAKARI	
DATE SIGNED: 4/23/05	
CHECKED BY: C. HAKARI	
DRAWN BY: D. STEVENS	

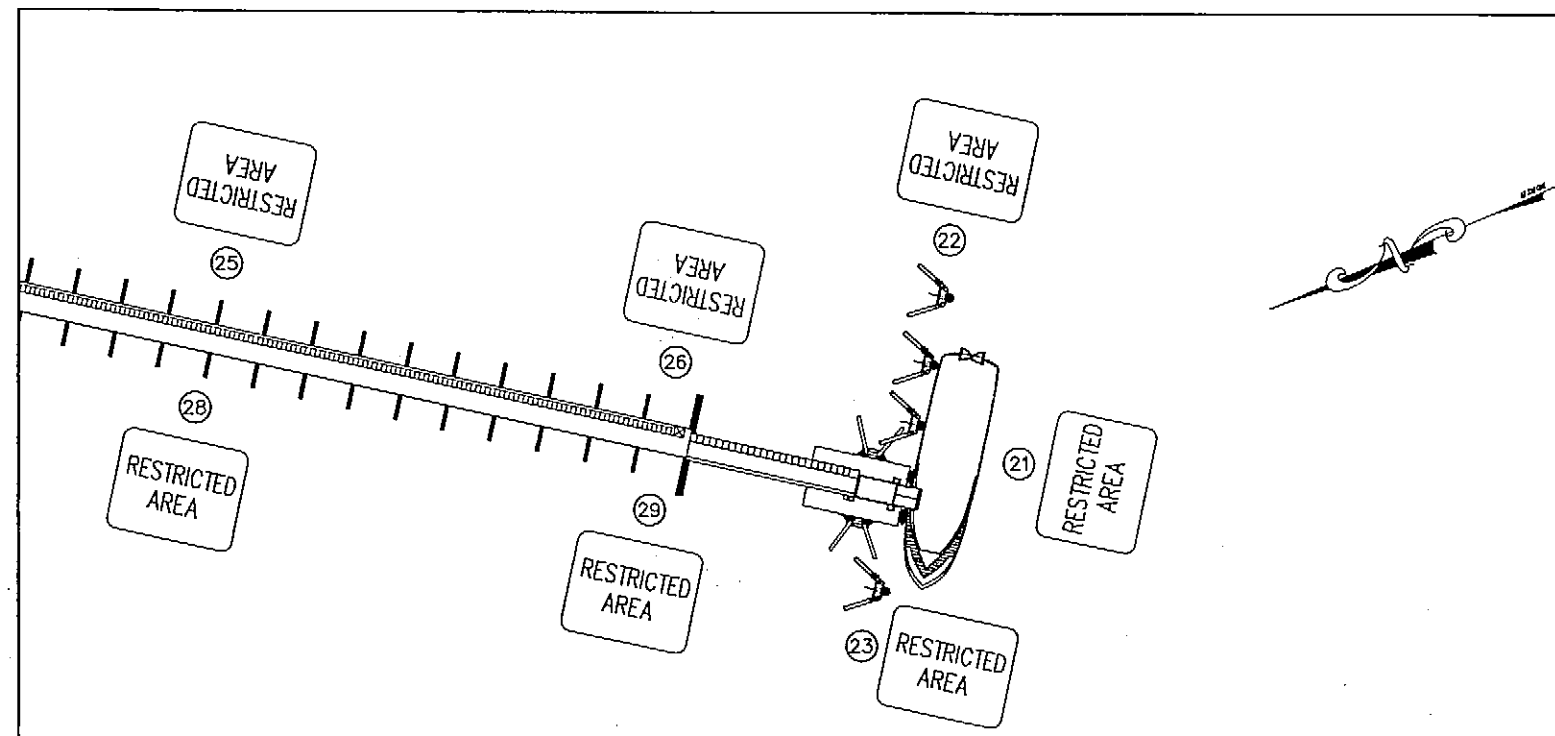
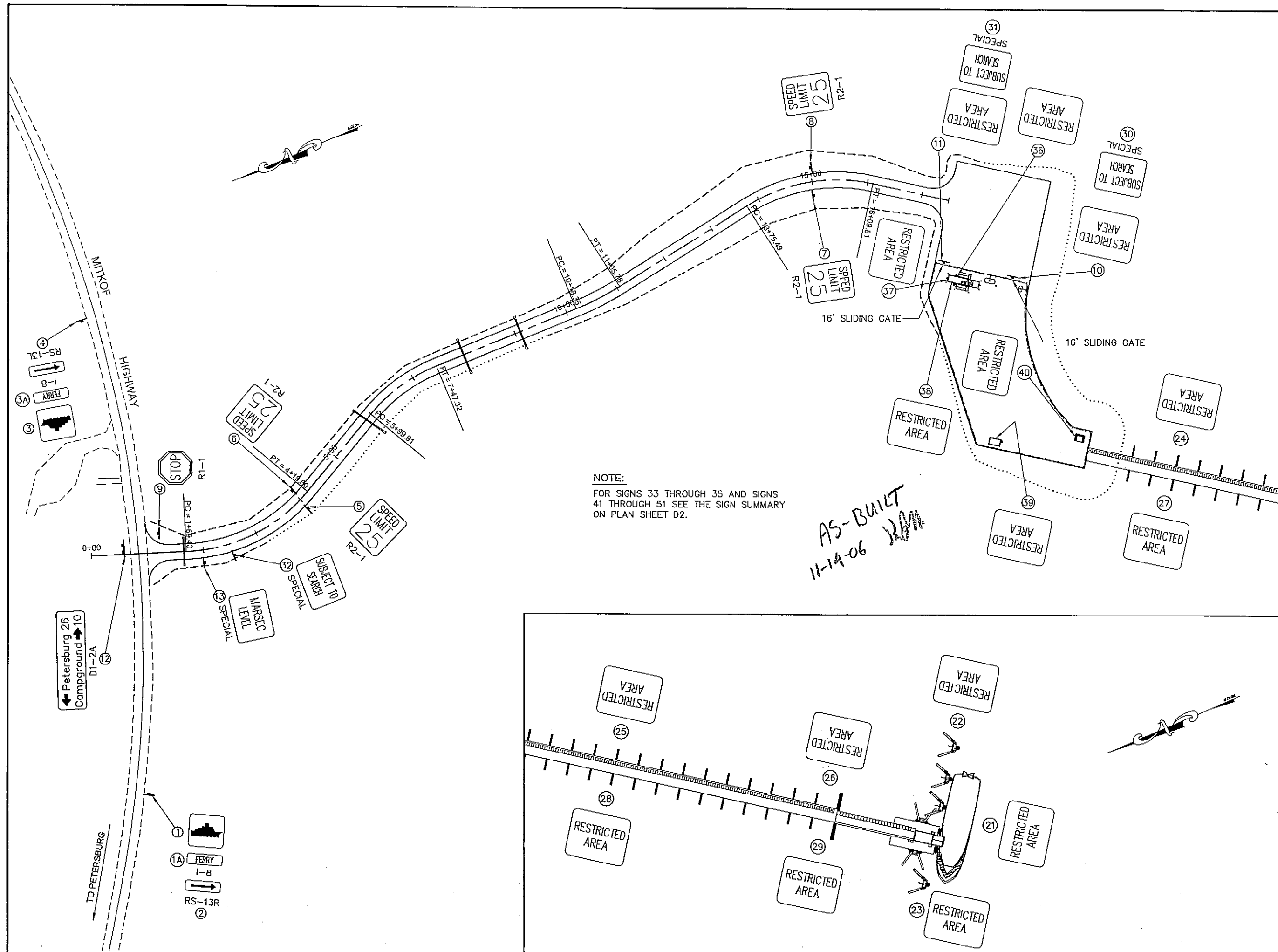
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION

SOUTH MITKOF
FERRY TERMINAL
PROJECT NO. 67833

**ENVIRONMENTAL
DETAILS**

PATH: Q:\Peg\67833\PlanSet\Env\EnviroDetails.dwg
PLOT: Wed, 27/Apr/05 07:20AM dastevens

REVISIONS			PROJECT DESIGNATION		YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION	STP-0003(65)				
			/67833		2005	P2	27



PATH:
Q:\Psg\67833\Plans\5-SIGN_Plan1.dwg
Wed, 27/Apr/05 11:46AM dastevens

TAB: S1

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

**SOUTH MITKOF
FERRY TERMINAL
PROJECT NO. 67833**

SIGNING PLAN

CHECKED BY: M. LUKSHIN

DESIGNED BY: M. LUKSHIN
DRAWN BY: D. STEVENS

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

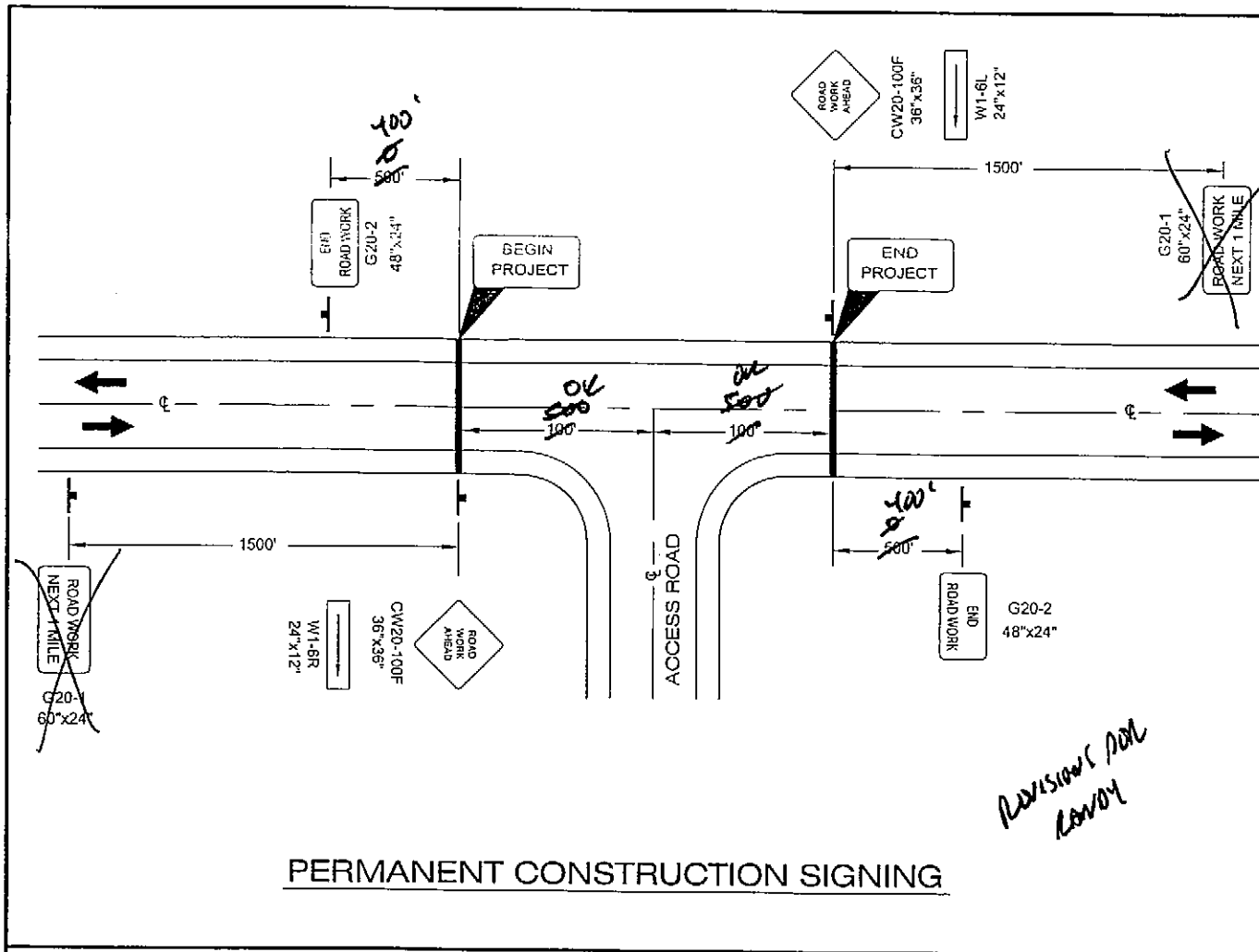
**SOUTH MITKOF
FERRY TERMINAL**

SIGNING PLAN

PROJECT DESIGNATION NUMBER
STP-0003(65)/67833

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
S1	27

DATE SIGNED: 4/27/05



LEGEND

- SIGN
- CONE
- DRUM
- TYPE III BARRICADE
- FLAGGING STATION

FORMULAS FOR L (TAPER LENGTH)

40 MPH OR LESS $L = \frac{W \times S^2}{60}$

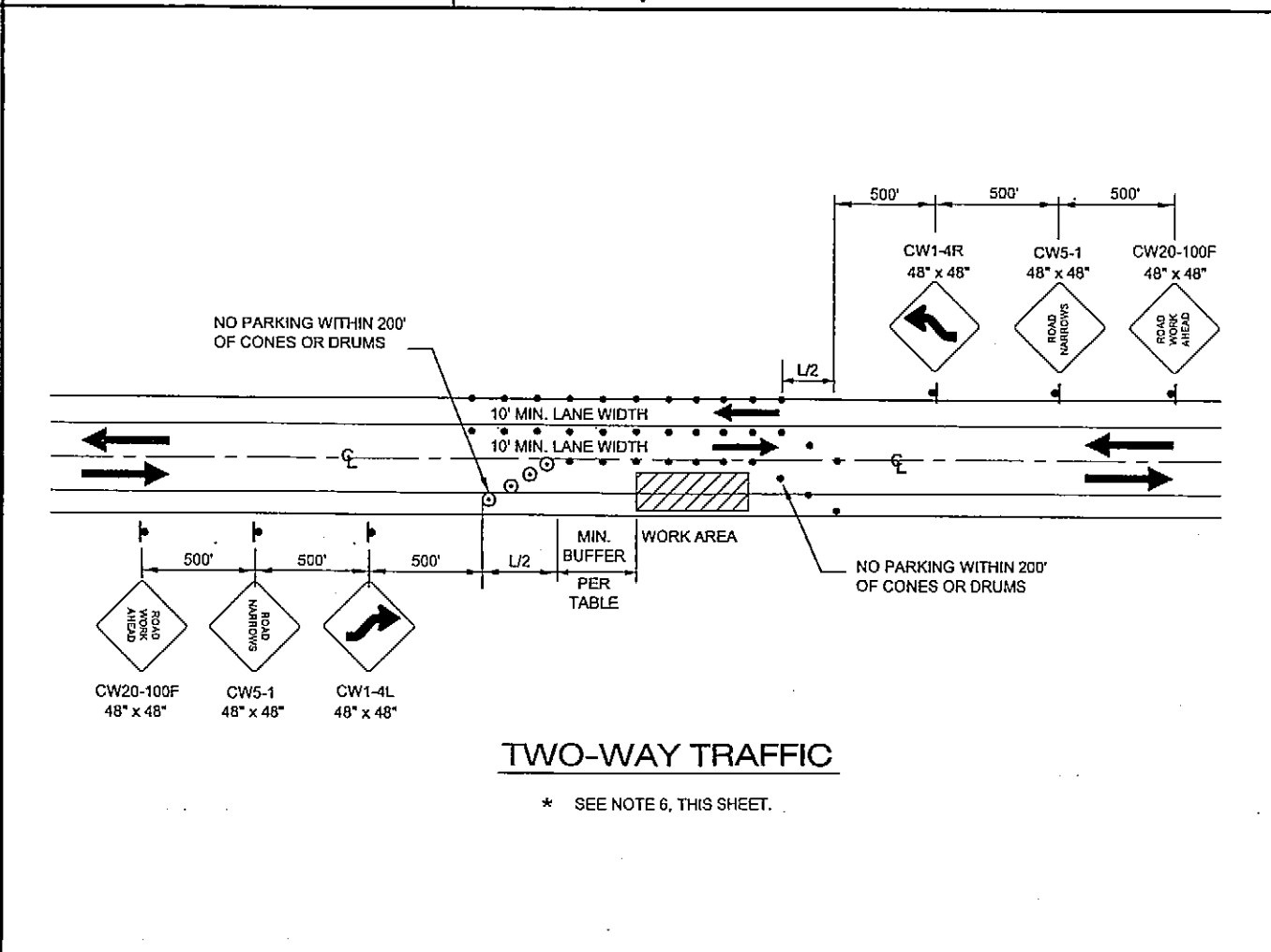
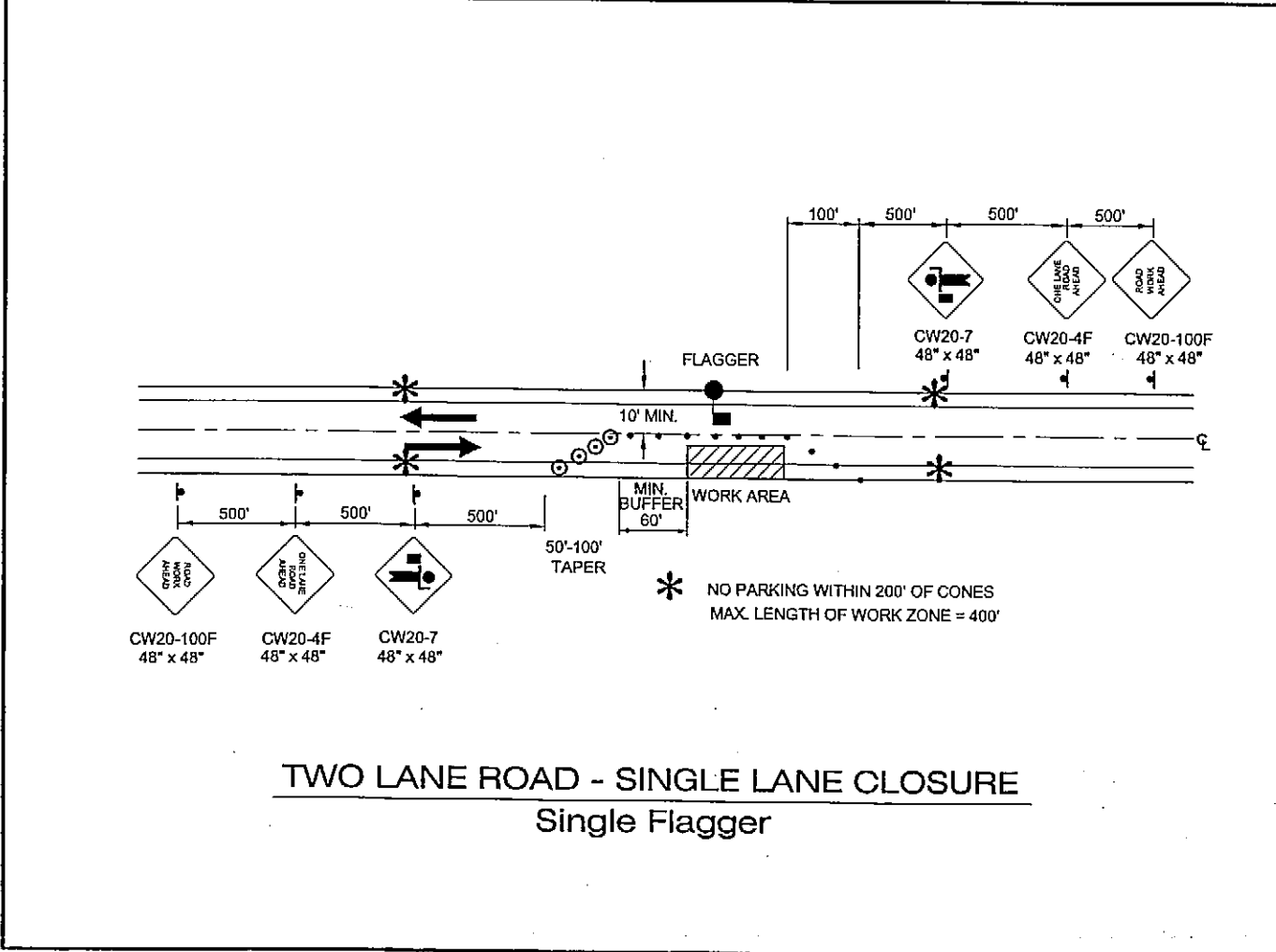
45 MPH OR GREATER $L = W \times S$

WHERE W = WIDTH OF OFFSET
S = POSTED SPEED LIMIT

DRUM OR CONE SPACING = S (IN FEET)

S	MIN. BUFFER LENGTH
20	35
25	55
30	85
35	120
40	170
45	220
50	280
55	335
60	415
65	485

- TRAFFIC CONTROL NOTES:**
- A MINIMUM OF ONE LANE SHALL BE MAINTAINED AT ALL TIMES ON MITKOF HIGHWAY.
 - TWO LANES SHALL BE MAINTAINED ON MITKOF HIGHWAY AT ALL TIMES IN NON-WORK AREAS AND DURING NON-WORK HOURS UNLESS AN APPROVED TRAFFIC CONTROL SIGNAL HAS BEEN INSTALLED.
 - TEMPORARY DRIVING LANES SHALL HAVE A MINIMUM WIDTH OF 10'-0".
 - CONSTRUCTION SIGNING SHALL BE IN PLACE ONLY WHEN THE CONDITIONS EXIST FOR WHICH THE SIGNS ARE INTENDED. CONSTRUCTION SIGNS SHALL BE PLACED SUCH THAT THEY DO NOT OBSCURE EXISTING TRAFFIC SIGNS.
 - WORK ZONE DOUBLE TRAFFIC FINES SIGNS SHALL BE USED AS DIRECTED BY THE ENGINEER AND PER STANDARD DRAWING C-04.12. *NOT NECESSARY PER LARRY*
 - WARNING LIGHTS SHALL BE USED ON ALL CHANNELIZING DEVICES PLACED ALONG OR AROUND ROADWAY HAZARDS AS DIRECTED BY THE ENGINEER.
 - MAXIMUM LENGTH OF CONSTRUCTION WITH ONE-LANE ROAD CLOSURE IS 1000'.
 - A SINGLE FLAGGER CAN ONLY BE WHEN APPROVED BY THE PROJECT ENGINEER.
 - IT IS THE INTENT OF THIS TRAFFIC CONTROL PLAN (TCP) TO ILLUSTRATE SOME, NOT ALL, OF THE TRAFFIC CONTROL SETUPS WHICH WILL BE REQUIRED ON THIS PROJECT. PLANS FOR CONFIGURATIONS NOT COVERED BY THE TCP SHALL BE CREATED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL. WHERE APPROPRIATE, THEY SHALL INCORPORATE APPLICABLE PORTIONS OF DETAILS ON THESE SHEETS.
- AS-BUILT 11-14-06 KAM*



PATH: O:\Psg\67833\PlanSet\T1_TCP.dwg
Wed, 27/Apr/05 08:30AM dastevens

TAB: S (1)

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SOUTH MITKOF FERRY TERMINAL PROJECT NO. 67833

TRAFFIC CONTROL PLANS

CHECKED BY: M. LUKSHIN

DESIGNED BY: M. LUKSHIN

DRAWN BY: D. STEVENS

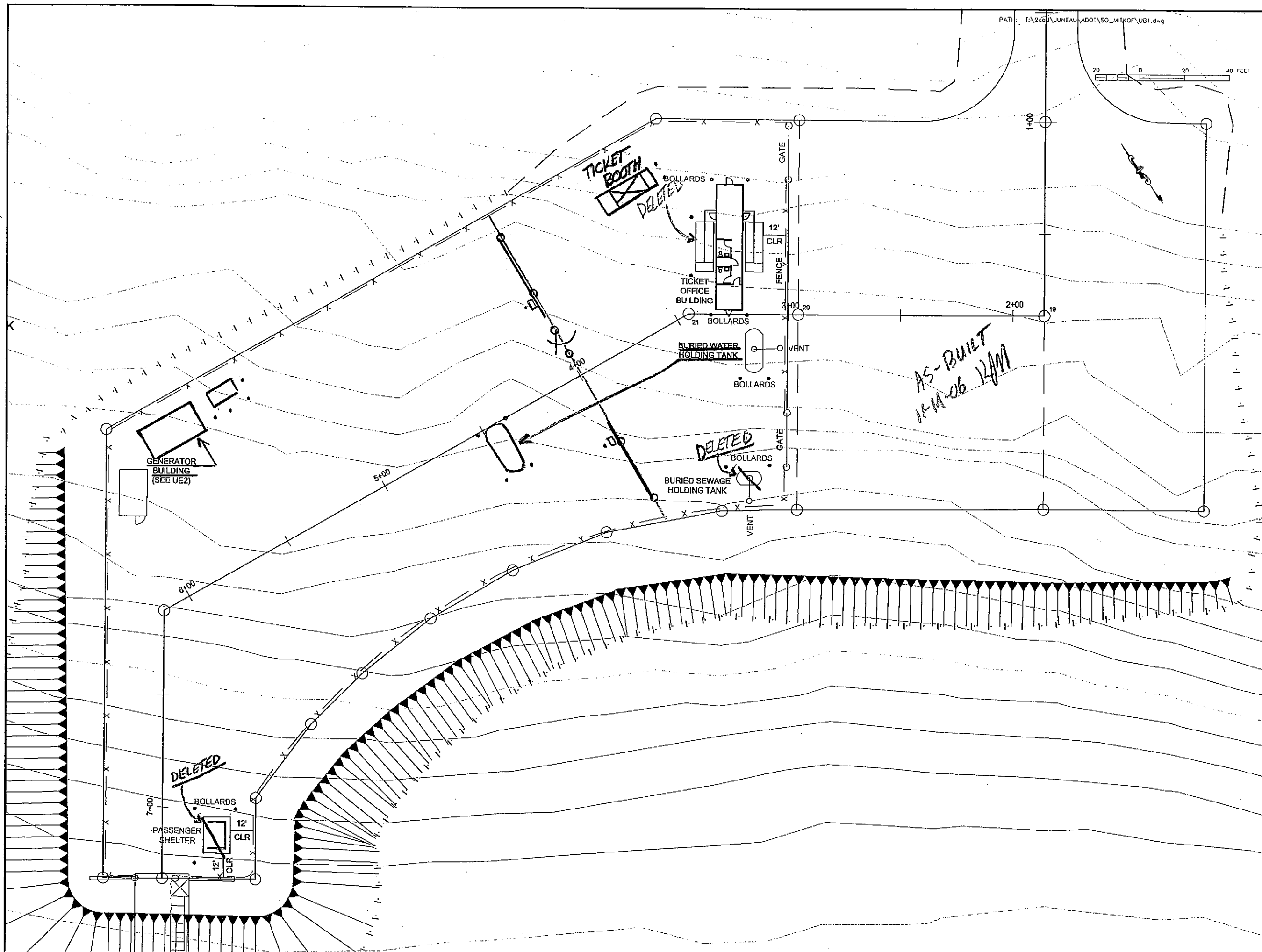
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION

SOUTH MITKOF FERRY TERMINAL TRAFFIC CONTROL PLANS

PROJECT DESIGNATION NUMBER
STP-0003(65)/67833

STATE	YEAR
ALASKA	2005

SHEET NUMBER	TOTAL SHEETS
T1	27



Wed, 27/Apr/05 11:46AM
Administrator
PLOT
PSPACE 1=1(F) OR MSPACE 1=1(F)

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

**SOUTH MITKOF
FERRY TERMINAL
PROJECT NO. 67833**

**Building
Site Plan**

PREPARED BY: CARSON DORN INC.

DESIGNED BY: J. Dorn

CHECKED BY: J. Dorn

DRAWN BY: RASIII

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

**SOUTH MITKOF
FERRY TERMINAL
Building
Site Plan**

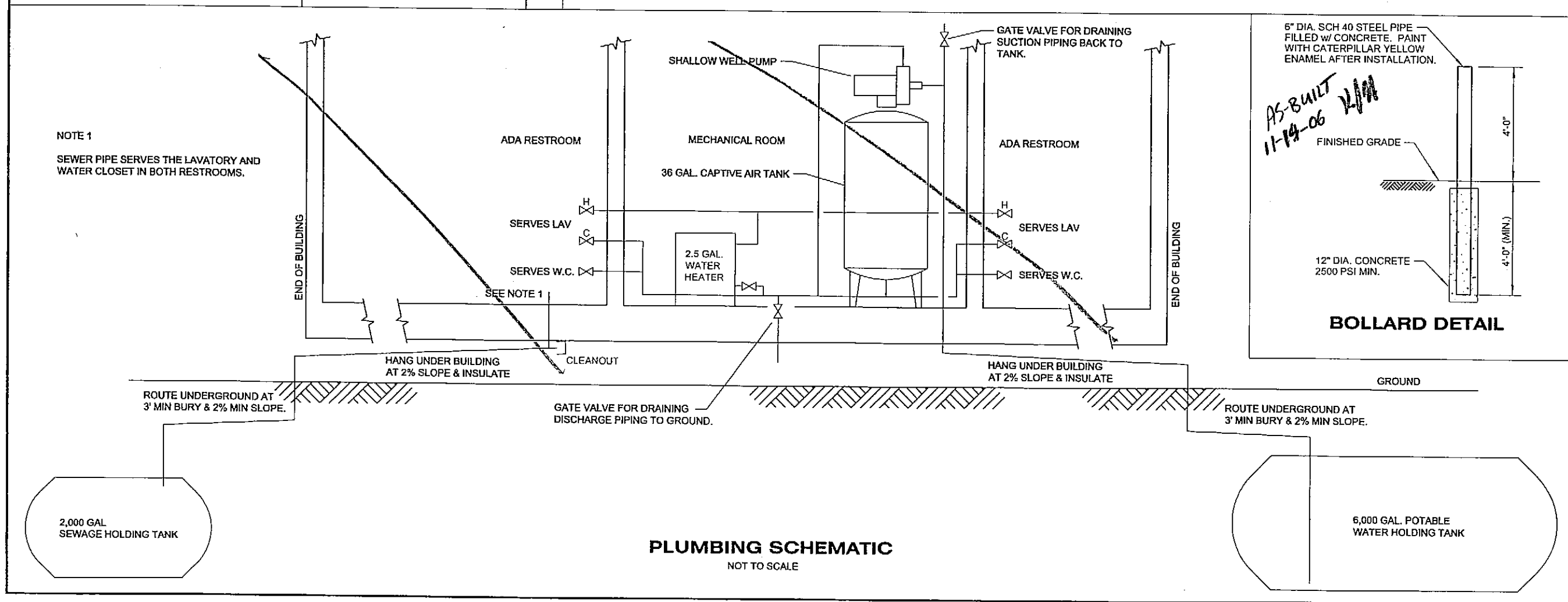
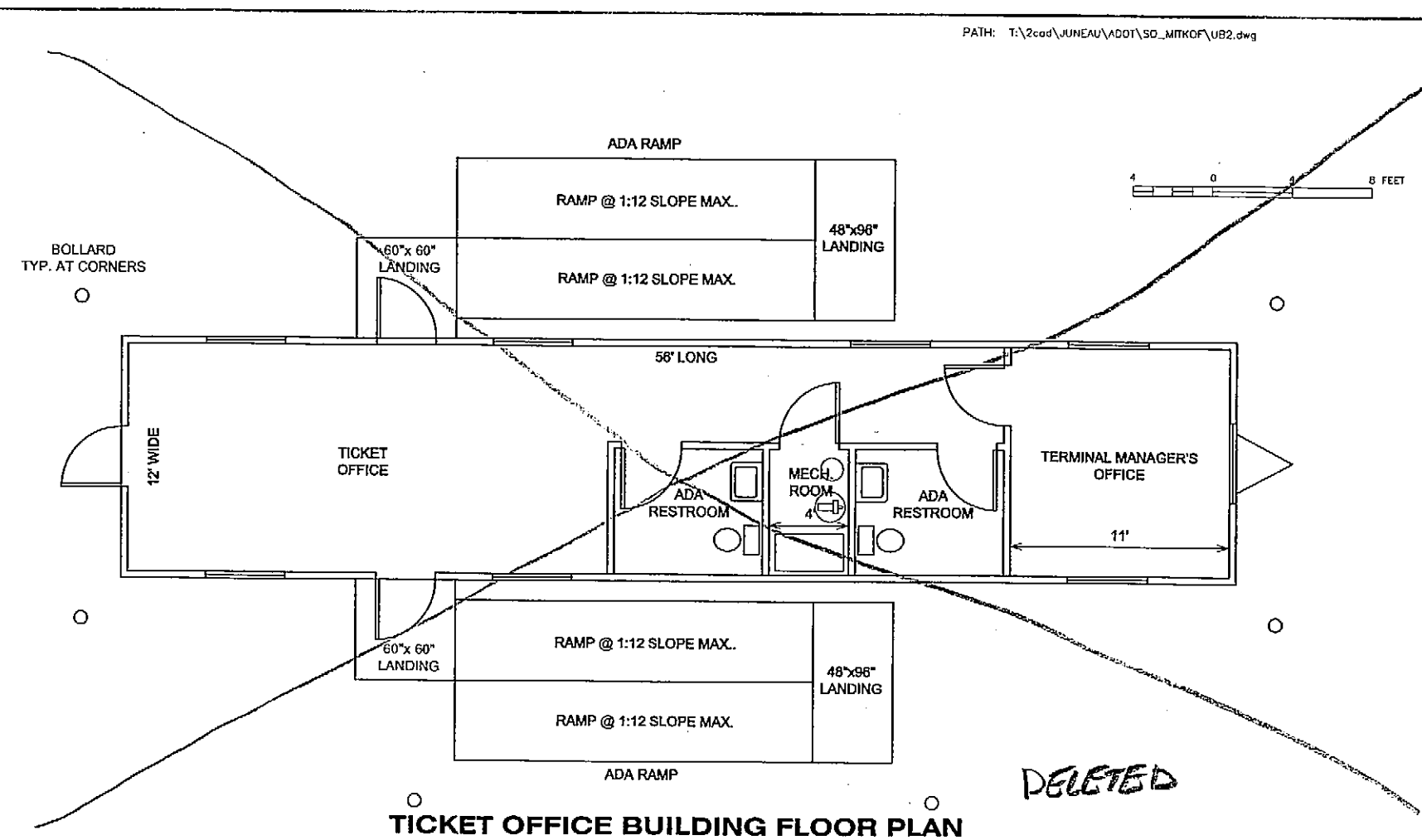
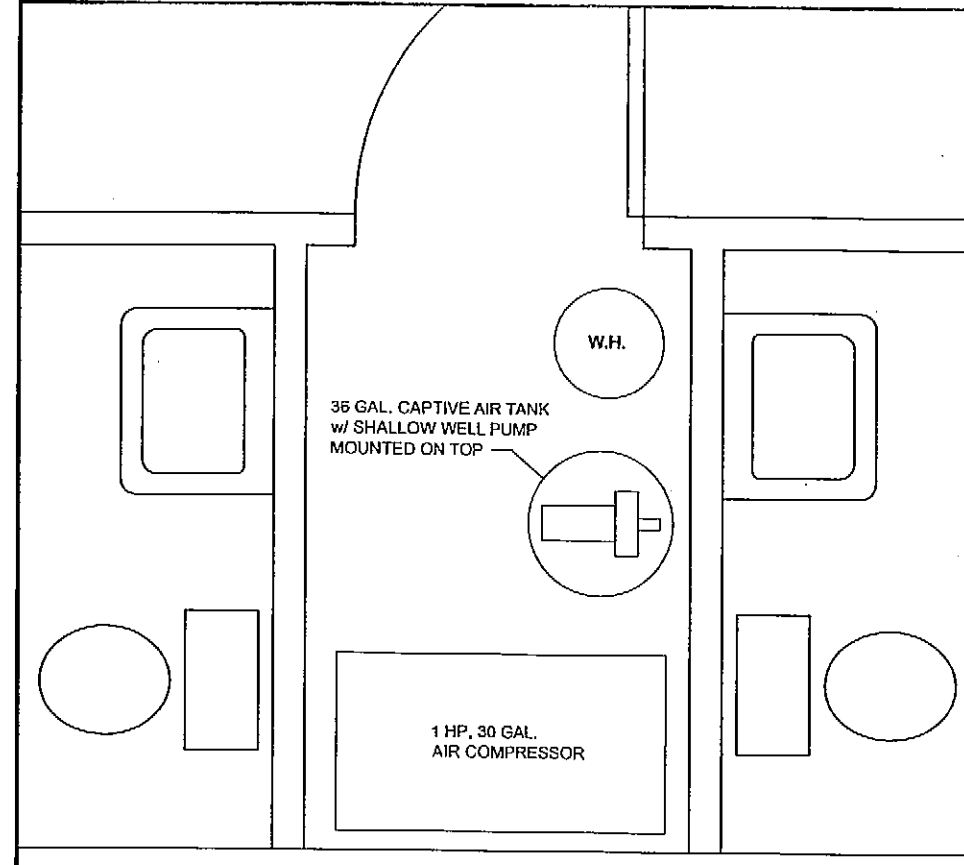
PROJECT DESIGNATION NUMBER
STP-0003(65)/67833

STATE	YEAR
ALASKA	2005

SHEET NUMBER	TOTAL SHEETS
UB1	27

Wed, 27/Apr/05 10:03AM
Administrator
PLOT:
PSPACE 1=1(F) OR MSPACE 1=1(F)

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



**SOUTH MITKOF
FERRY TERMINAL
PROJECT NO. 67833**

**Ticket Office Building Floor Plan,
Mechanical Room Plan &
Plumbing Schematic**

PREPARED BY: CARSON DORN INC.
DESIGNED BY: J. Dorn

CHECKED BY: J. Dorn
DRAWN BY: RASII

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

**SOUTH MITKOF
FERRY TERMINAL
Office Bldg Flr Plan,
Mech Room Plan &
Plumbing Schem.**

PROJECT DESIGNATION NUM	
STP-0003(65)/67833	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
UB2	27

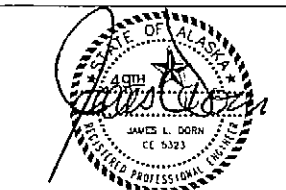
No.	DATE	DESCRIPTION

**SOUTH MITKOF
FERRY TERMINAL
PROJECT NO. 67833**

**Water Holding Tank &
Sewage Holding Tank
Details**

PREPARED BY: CARSON DORN INC.

DESIGNED BY: J. Dorn



CHECKED BY: J. Dorn

DRAWN BY: RAS/II

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

**SOUTH MITKOF
FERRY TERMINAL
Water Holding Tank &
Sewage Holding
Tank Details**

PROJECT DESIGNATION NUMBER

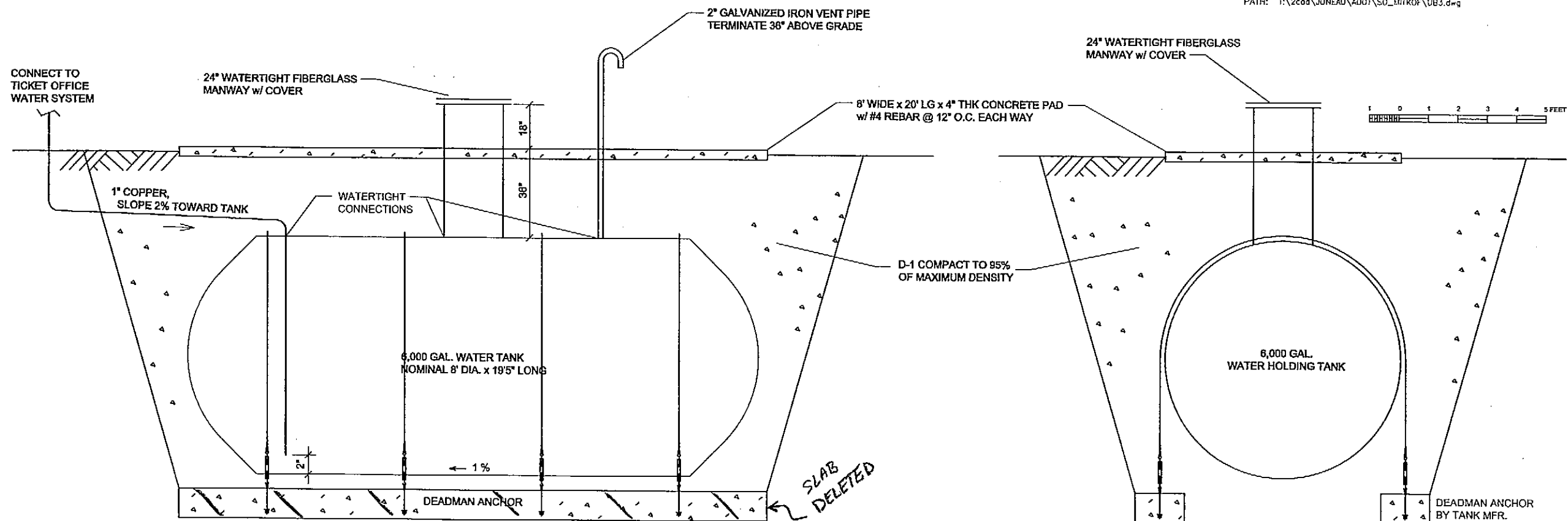
STP-0003(65)/67833

STATE YEAR

ALASKA 2005

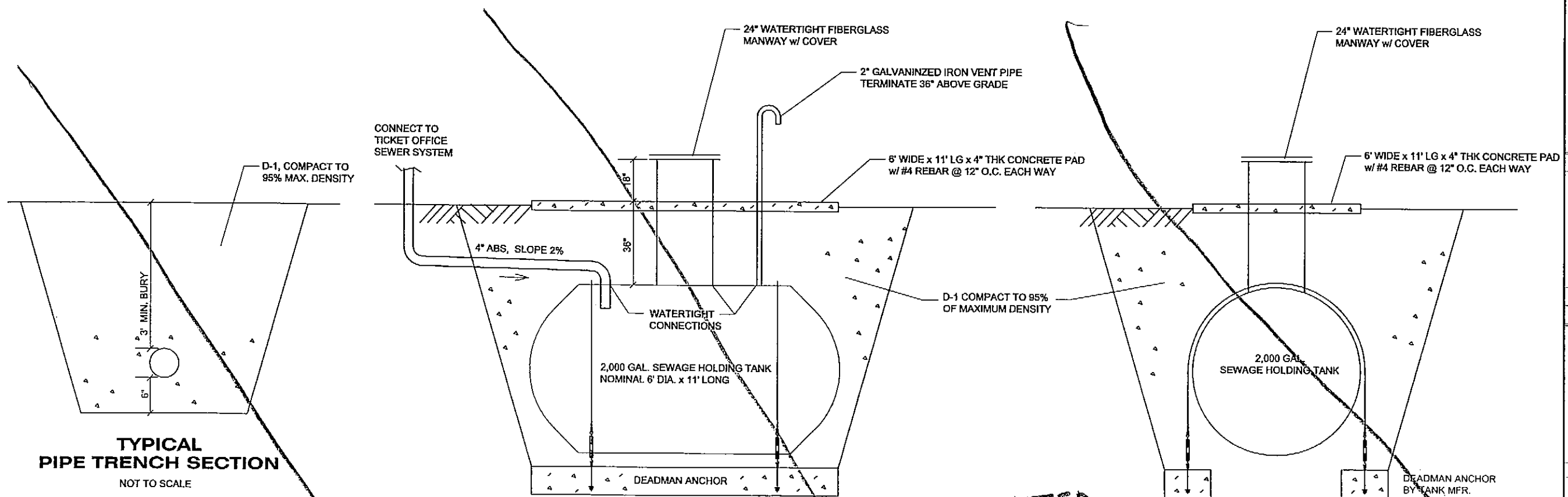
SHEET NUMBER TOTAL SHEETS

UB3 27



WATER HOLDING TANK

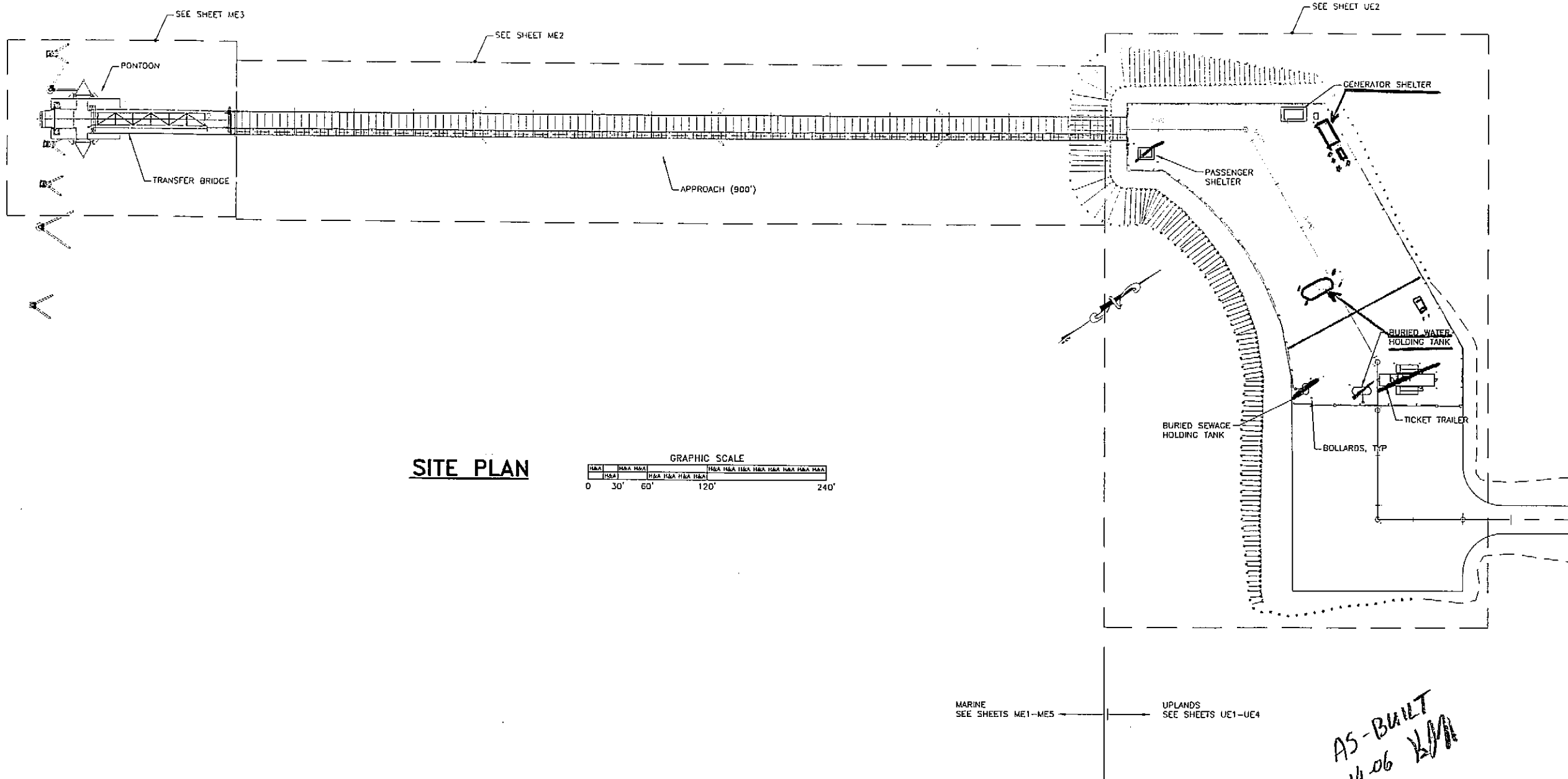
*AS-BUILT
11-14-06
RAM*



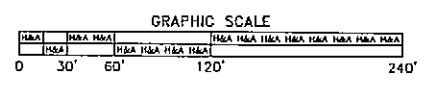
SEWAGE HOLDING TANK

**TYPICAL
PIPE TRENCH SECTION**

NOT TO SCALE



SITE PLAN



LEGEND

- AFG ABOVE FINISHED GRADE
- GRS GALVANIZED RIGID STEEL
- UON UNLESS OTHERWISE NOTED
- WP WEATHERPROOF
- S SINGLE POLE SWITCH, 48" AFF
- HOA HAND-OFF-AUTO CONTROL SWITCH
- LC LIGHTING CONTACTOR
- PE PHOTO EYE

- FLUORESCENT LUMINAIRE
- EXTERIOR CEILING MOUNTED LUMINAIRE
- EXTERIOR WALL MOUNTED LUMINAIRE
- EXTERIOR POLE MOUNTED LUMINAIRE
- JUNCTION BOX
- HANDHOLE
- PANELBOARD
- MOTOR CONNECTION
- COMBINATION STARTER/DISCONNECT
- GROUND ROD

- HOME RUN
- CONDUIT: 1/2" UON.
- UNGROUND CONDUCTORS
- NEUTRAL: #10 WITH DOT
#12 OTHERWISE
- GROUND CONDUCTOR
- CONDUCTORS NOT SHOWN WHERE ONLY
#12 NEUTRAL AND UNGROUNDED
CONDUCTOR ARE REQUIRED
- FLEXIBLE CONDUIT

NOTE: ALL DEVICE HEIGHTS TO CENTER, UON.

PATH:		
TAB:		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

SOUTH MITKOF
FERRY TERMINAL
PROJECT NO. 67833

ELECTRICAL
SITE PLAN

CHECKED BY: BCH



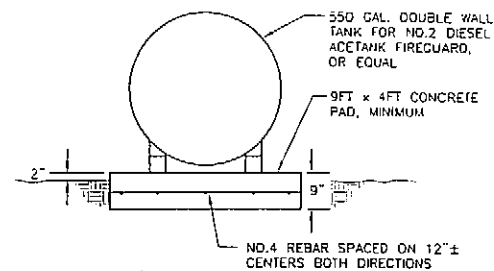
DESIGNED BY: MAS
DRAWN BY: RLD

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

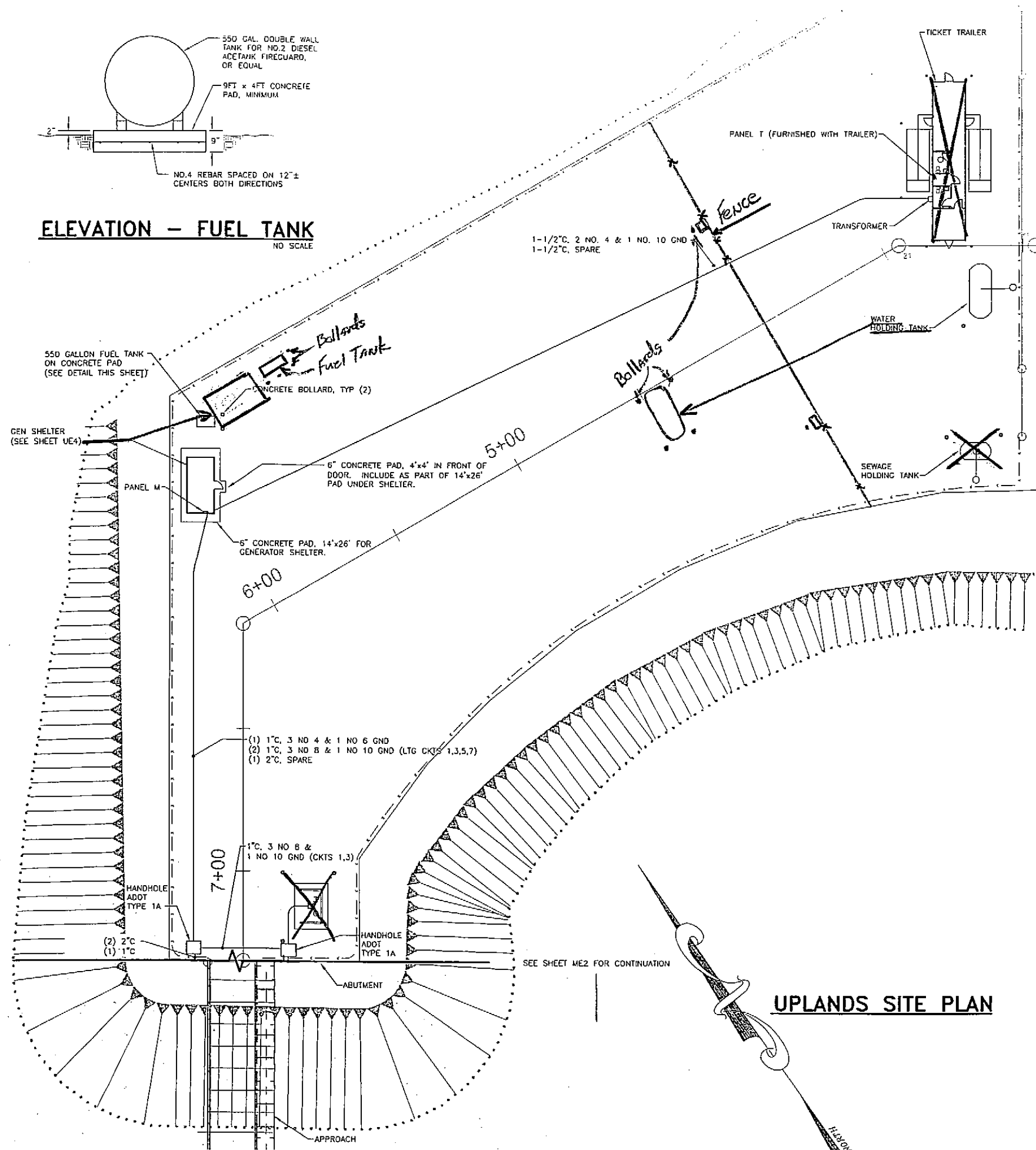
SOUTH MITKOF
FERRY TERMINAL
Electrical
Site Plan

PROJECT DESIGNATION NUMBER	
STP-0003(65)/67833	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
UE1	27

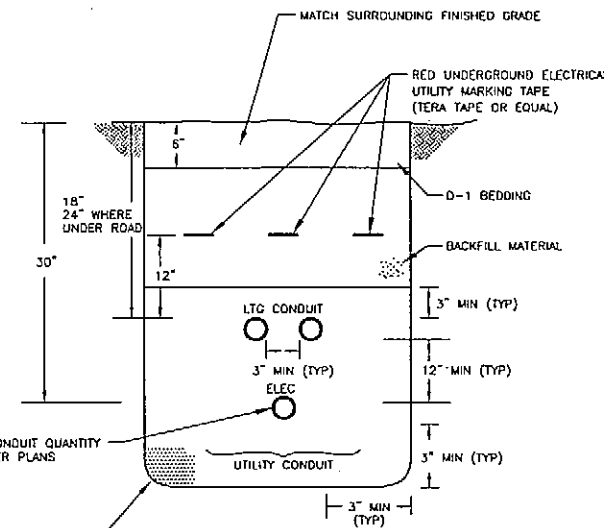
**HAIGHT
& ASSOCIATES**
CONSULTING
ELECTRICAL
ENGINEERS
526 Main Street
Juneau, Alaska 99801
(907) 586-9788



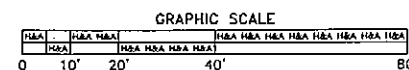
ELEVATION - FUEL TANK
NO SCALE



UPLANDS SITE PLAN



DETAIL - TRENCH
NO SCALE



PATH:		
TAB:		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

**SOUTH MITKOF
FERRY TERMINAL
PROJECT NO. 67833**

**ELECTRICAL
UPLANDS SITE PLAN**

CHECKED BY: BCH



DESIGNED BY: MAS

DRAWN BY: RLD

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

**SOUTH MITKOF
FERRY TERMINAL**

**Electrical
Uplands Site Plan**

PROJECT DESIGNATION NUMBER

STP-0003(65)/67833

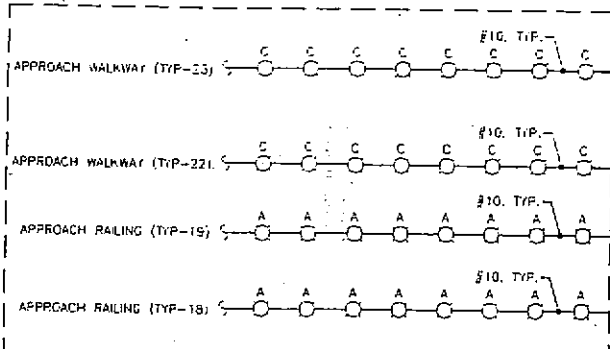
STATE	YEAR
ALASKA	2005

SHEET NUMBER	TOTAL SHEETS
UE2	27

**HAIGHT
& ASSOCIATES**
CONSULTING
ELECTRICAL
ENGINEERS

526 Main Street
Juneau, Alaska 99801
(907) 586-9788

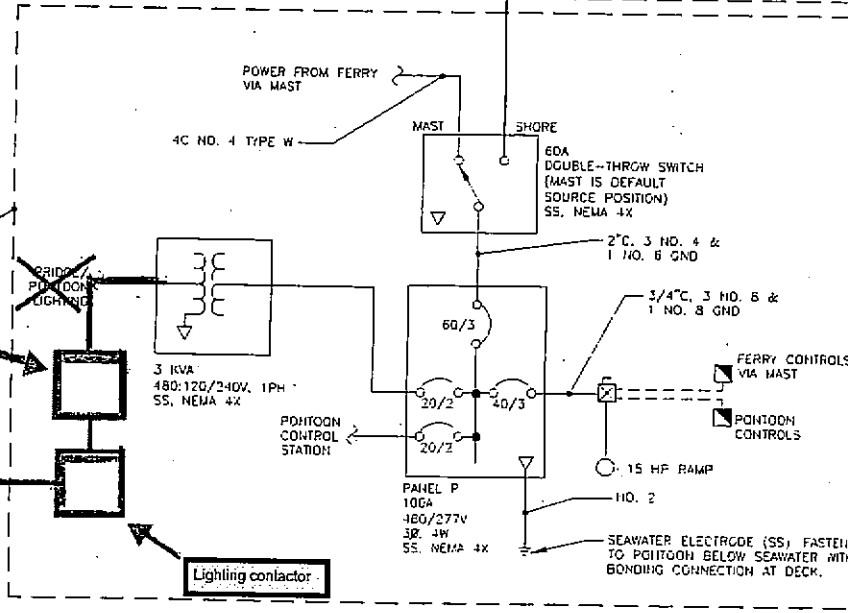
GENERATOR
SHELTER
(SEE UPLANDS)



APPROACH &
COVERED WALKWAY
(SEE MARINE)

SCHEMATIC-LIGHTING CONTROL DIAGRAM
NO SCALE

PONTOON, BRIDGE,
RAMP & APRON
(SEE MARINE)



TICKET TRAILER
(SEE UPLANDS)

Temporary IFA trailer

Panel

SINGLE LINE DIAGRAM-POWER
NO SCALE

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	LAMPS	REMARKS
C	RECTANGULAR HO CEILING MOUNT CUTOFF w/ ACRYLIC LENS, & SURFACE MOUNTING BOX, 1 LAMP. MULTITAP BALLAST.	RUUD LIGHTING E2507-N-BS / ESB-7	(1) 70W HPS 2200K, CRI 60	SURFACE MOUNT IN PASSENGER SHELTER
F	4FT SURFACE MOUNT w/ WRAPAROUND ACRYLIC LENS, AND ELECTRONIC BALLAST.	LITHONIA LIGHTING LB232-120	(2) T8	GENERATOR SHELTER
G	WALL PACK w/ POLYCARBONATE LENS. PHOTOCELL OPTION.	LITHONIA LIGHTING TWA32TRT.120.PC.DWH	(1) 32W COMPACT FLUORESCENT	GENERATOR SHELTER

PATH:

TAB:

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

AS-BUILT
11-11-06 KLM

**SOUTH MITKOF
FERRY TERMINAL
PROJECT NO. 67833**

**SINGLE LINE DIAGRAM
LUMINAIRE SCHEDULE**

CHECKED BY: BCH

DESIGNED BY: MAS

DRAWN BY: RLD

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

**SOUTH MITKOF
FERRY TERMINAL**

**Single Line
Diagram**

PROJECT DESIGNATION NUMBER
STP-0003(65)/67833

STATE	YEAR
ALASKA	2005

SHEET NUMBER	TOTAL SHEETS
UE3	27

**HAIGHT
& ASSOCIATES**
CONSULTING
ELECTRICAL
ENGINEERS

526 Main Street
Juneau, Alaska 99801
(907) 586-9788

GENERATOR
SHELTER
(SEE UPLANDS)

APPROACH &
COVERED WALKWAY
(SEE MARINE)

SCHEMATIC-LIGHTING CONTROL DIAGRAM
NO SCALE

PONTOON, BRIDGE,
RAMP & APRON
(SEE MARINE)

LUMINAIRE SCHEDULE				
TYPE	DESCRIPTION	MANUFACTURER	LAMPS	REMARKS
C	RECTANGULAR HID CEILING MOUNT CUTOFF w/ ACRYLIC LENS, & SURFACE MOUNTING BOX, 1 LAMP, MULTITAP BALLAST.	RUUD LIGHTING E2507-M-BS / ESB-7	(1) 70W HPS 2200K, CRI 60	SURFACE MOUNT IN PASSENGER SHELTER
F	4FT SURFACE MOUNT W/ WRAPAROUND ACRYLIC LENS, AND ELECTRONIC BALLAST.	LITHONIA LIGHTING LB232-120	(2) T8	GENERATOR SHELTER
G	WALL PACK W/ POLYCARBONATE LENS, PHOTOCELL OPTION.	LITHONIA LIGHTING TWA32TRT.120.PE.DWH	(1) 32W COMPACT FLUORESCENT	GENERATOR SHELTER

SINGLE LINE DIAGRAM-POWER
NO SCALE

PATH:		
TAB:		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

**SOUTH MITKOF
FERRY TERMINAL
PROJECT NO. 67833**

**SINGLE LINE DIAGRAM
LUMINAIRE SCHEDULE**

CHECKED BY: BCH



DESIGNED BY: MAS

DRAWN BY: RLD

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

**SOUTH MITKOF
FERRY TERMINAL**

**Single Line
Diagram**

PROJECT DESIGNATION NUMBER

STP-0003(65)/67833

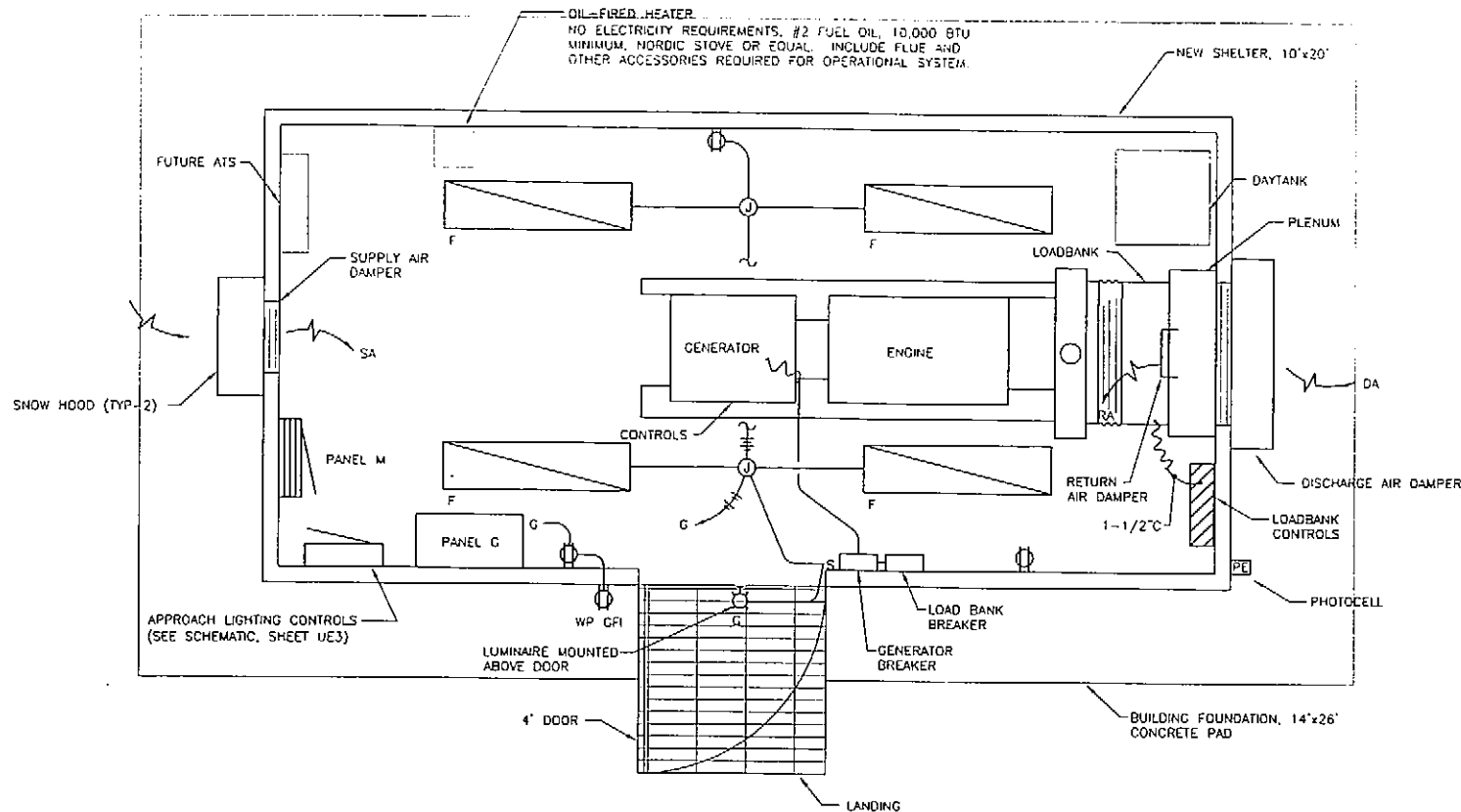
STATE	YEAR
ALASKA	2005

SHEET NUMBER	TOTAL SHEETS
UE3	27

**HAIGHT
& ASSOCIATES**
CONSULTING
ELECTRICAL
ENGINEERS
526 Main Street
Juneau, Alaska 99801
(907) 586-9788

TICKET TRAILER
(SEE UPLANDS)

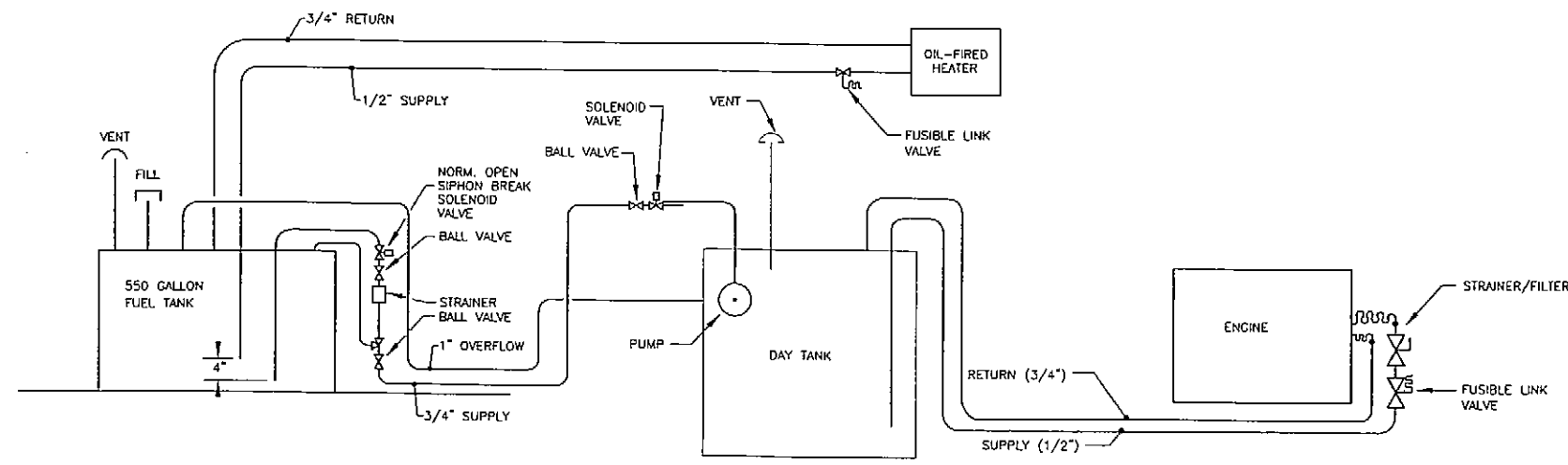
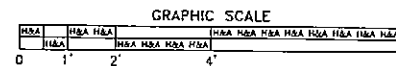
*AS-BUILT
11-14-06*



- NOTES:
1. SILENCER AND EXHAUST NOT SHOWN.
 2. PROVIDE LANDING & STAIRS CONSTRUCTED WITH PRESSURE TREATED LUMBER AND NON-METALLIC GRATING. INSTALL ON CONCRETE PAD.
 3. RETURN AIR DAMPER SHALL BE MOTORIZED WITH THERMOSTATIC CONTROL.
 4. DISCHARGE AIR DAMPER (N.C.) HEAVY DUTY CONTROL DAMPER WITH 16 GA. STEEL AIRFLOW BLADES AND NEOPRENE BLADE SEALS IN PARALLEL OPERATION CONFIGURATION. MINIMUM FREE AREA OF 9 SQ. FT. RUSKIN CD3DAF.
 5. SUPPLY AIR DAMPER BACK DRAFT WITH CENTER BALANCE. MINIMUM FREE AIR OF 9 SQ. FT. RUSKIN CBSB.

GENERATOR SHELTER

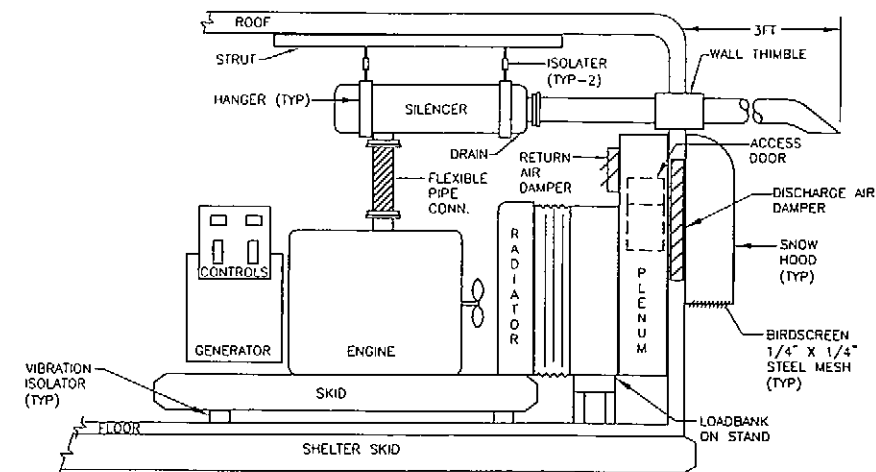
SCALE: 1/2" = 1'-0"



- NOTES:
1. ALL PIPING SHALL BE BLACK IRON
 2. ROUTE FUEL LINES ALONG WALL WHERE POSSIBLE. ROUTE ON FLOOR BETWEEN WALL AND GENSET ENGINE. AVOID TRAFFIC AREAS AS MUCH AS POSSIBLE. INSTALL LINES EXPOSED INSIDE FASTENED TO ERECTOR CHANNEL WHERE LAID HORIZONTALLY ON FLOOR.
 3. PROVIDE DOUBLE WALL, OUTDOOR, MAIN FUEL TANK. INSTALL MAIN TANK ON CONCRETE PAD ALONG WEST SIDE OF BUILDING. FUEL LINES ARE TO REMAIN ABOVE GROUND AND BE PROTECTED FROM VANDALISM.

PIPING DIAGRAM - FUEL SYSTEM

NO SCALE

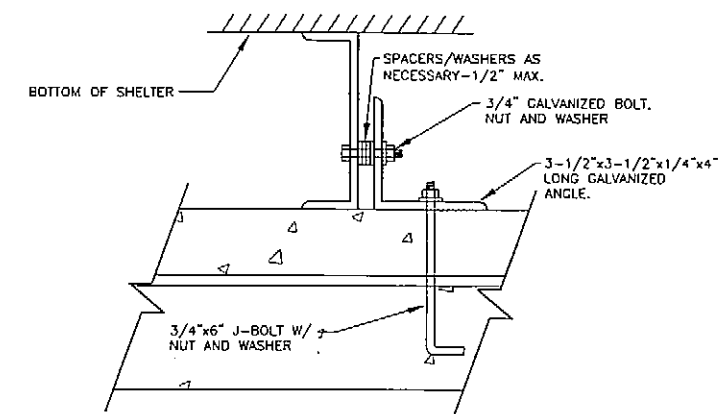


NOTE: ADOT/PF IS FURNISHING GENSET ONLY. ALL COMPONENTS NECESSARY FOR COMPLETE INSTALLATION OF FUNCTIONAL POWER SYSTEM SHALL BE PROVIDED BY CONTRACTOR (FOR EXAMPLE, SHED, VIBRATION ISOLATORS, EXHAUST PIPING, LOAD BANK, BATTERIES, DAYTANK, ETC.).

ELEVATION-GENSET

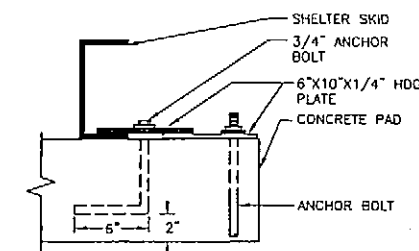
NO SCALE

AS-BUILT
11-14-06
12/00



DETAIL-SHELTER ANCHOR (OPTION)

NO SCALE



DETAIL - FASTENER/ANCHOR

NO SCALE

PATH:		
TAB:		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

SOUTH MITKOF
FERRY TERMINAL
PROJECT NO. 67833
GENERATOR SHELTER
DETAILS

CHECKED BY: BCH



DESIGNED BY: MAS

DRAWN BY: RLD

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

SOUTH MITKOF
FERRY TERMINAL

GENERATOR
SHELTER DETAILS

PROJECT DESIGNATION NUMBER

STP-0003(65)/67833

STATE YEAR

ALASKA 2005

SHEET NUMBER TOTAL SHEETS

UE4 27



HAIGHT
& ASSOCIATES
CONSULTING
ELECTRICAL
ENGINEERS

526 Main Street
Juneau, Alaska 99801
(907) 586-9788

Wed, 27/Apr/05 10:54AM
Administrator
PLOT
PSPACE 1=1(F) OR MSPACE 1=1(F)

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

**SOUTH MITKOF
FERRY TERMINAL
PROJECT NO. 67833**

**Passenger Shelter
Plan & Details**

PREPARED BY: CARSON DORN INC.
DESIGNED BY: J. Dorn



CHECKED BY: J. Dorn
DRAWN BY: RAS/II

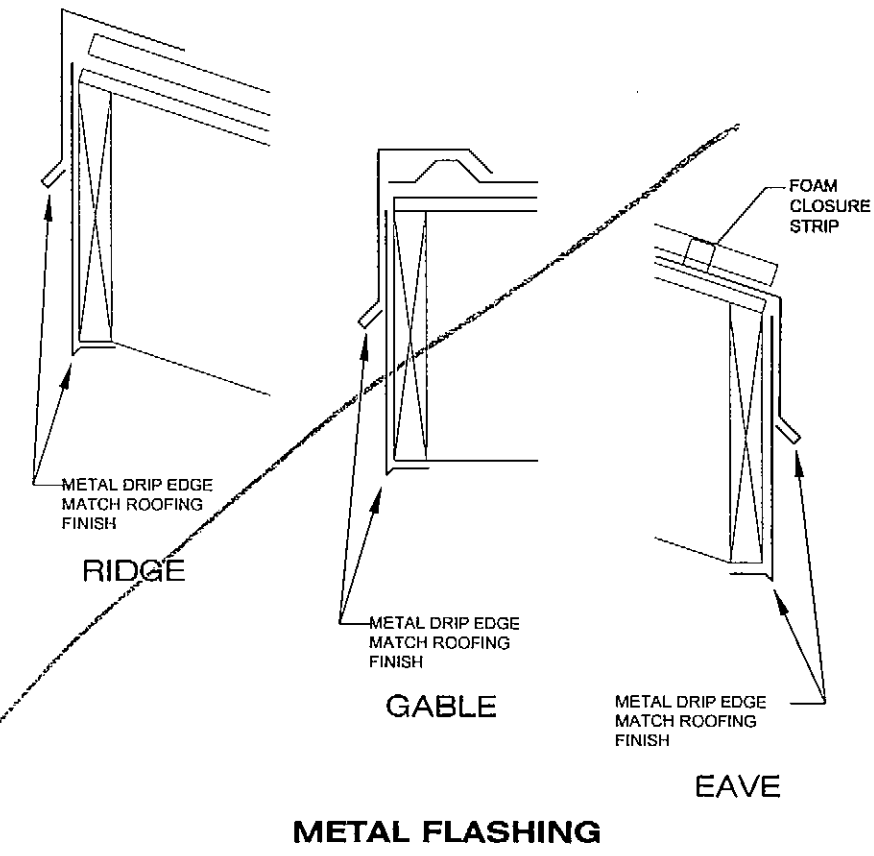
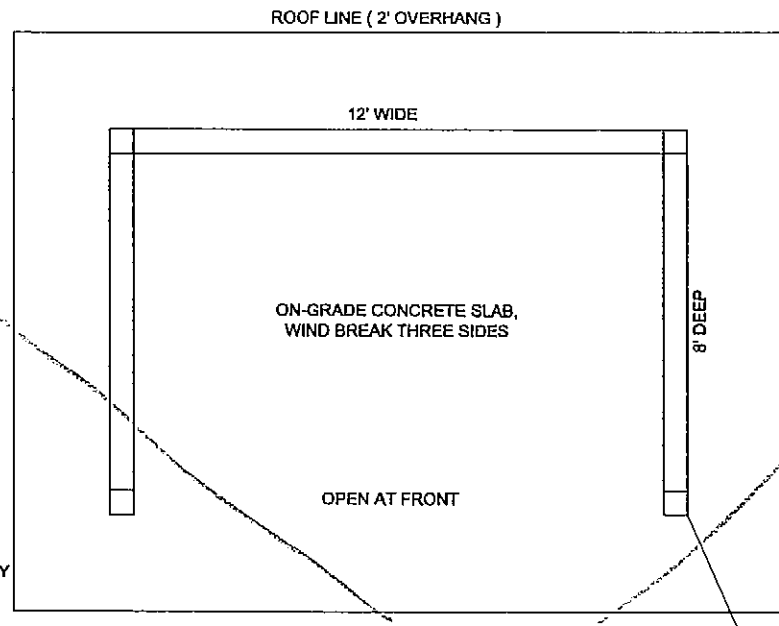
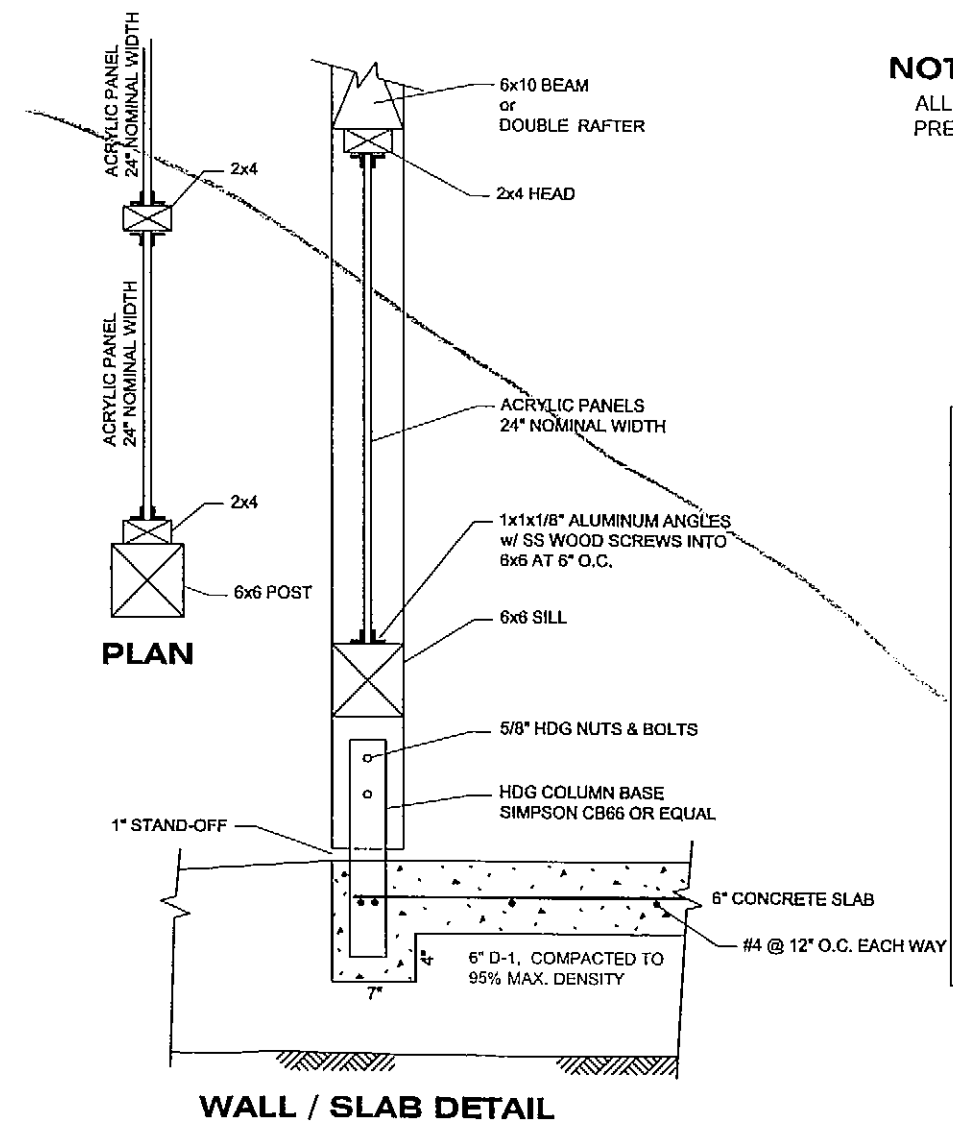
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION

**SOUTH MITKOF
FERRY TERMINAL**

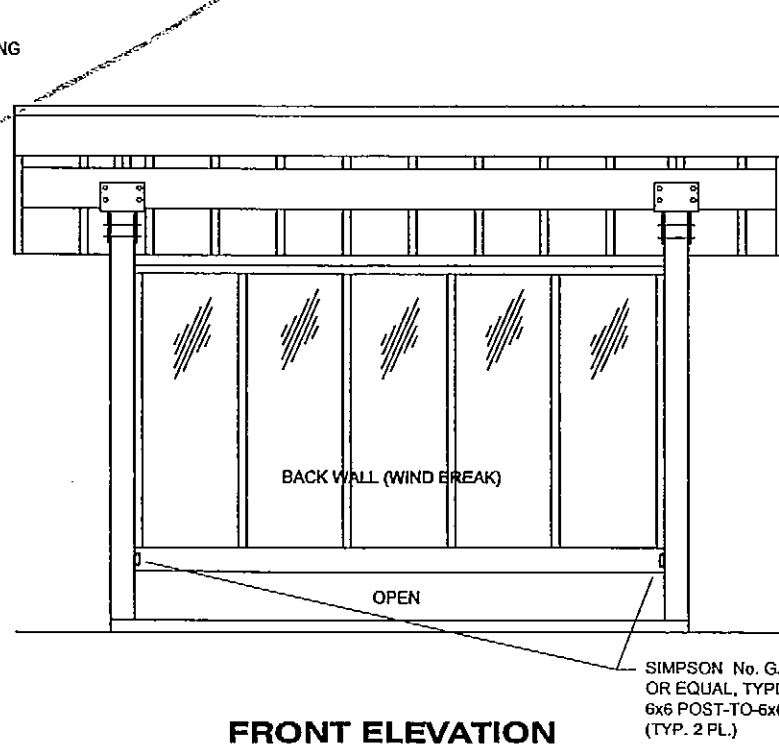
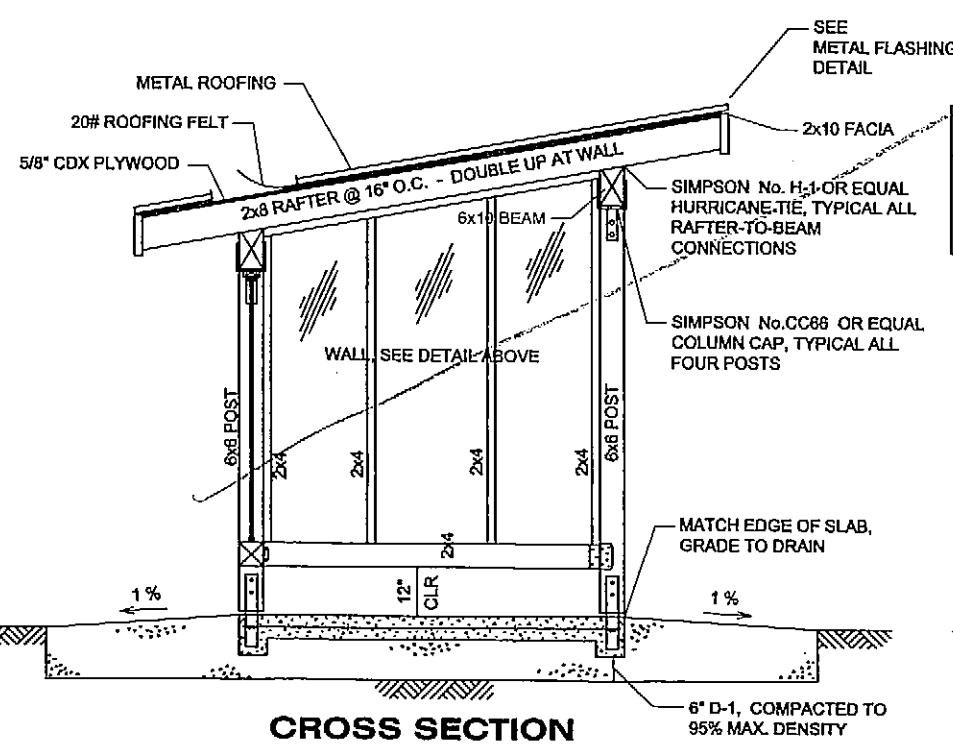
**Passenger Shelter
Plan & Details**

PROJECT DESIGNATION NUMBER	
STP-0003(65)/67833	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
US1	27

NOTES:
ALL DIMENSION LUMBER IS TO BE
PRESSURE TREATED.

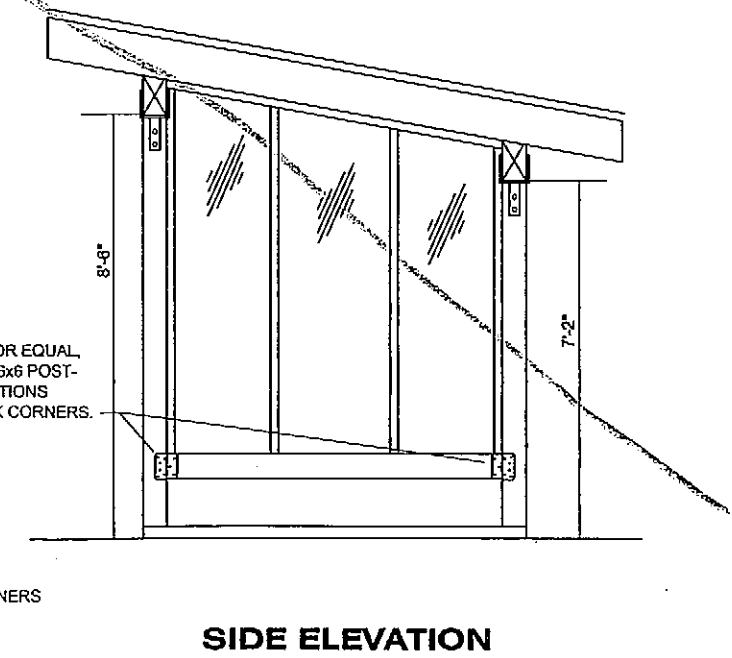


*AS-BUILT
11-14-06 RDM*



SIMPSON No. ACE6 OR EQUAL,
TYPICAL EACH SIDE 6x6 POST-
TO-6x6 SILL CONNECTIONS
EXCEPT INSIDE BACK CORNERS.
(TYP. 6 PL.)

SIMPSON No. GA2 GUSSET ANGLE
OR EQUAL, TYPICAL INSIDE BACK CORNERS
6x6 POST-TO-6x6 SILL CONNECTIONS.
(TYP. 2 PL.)





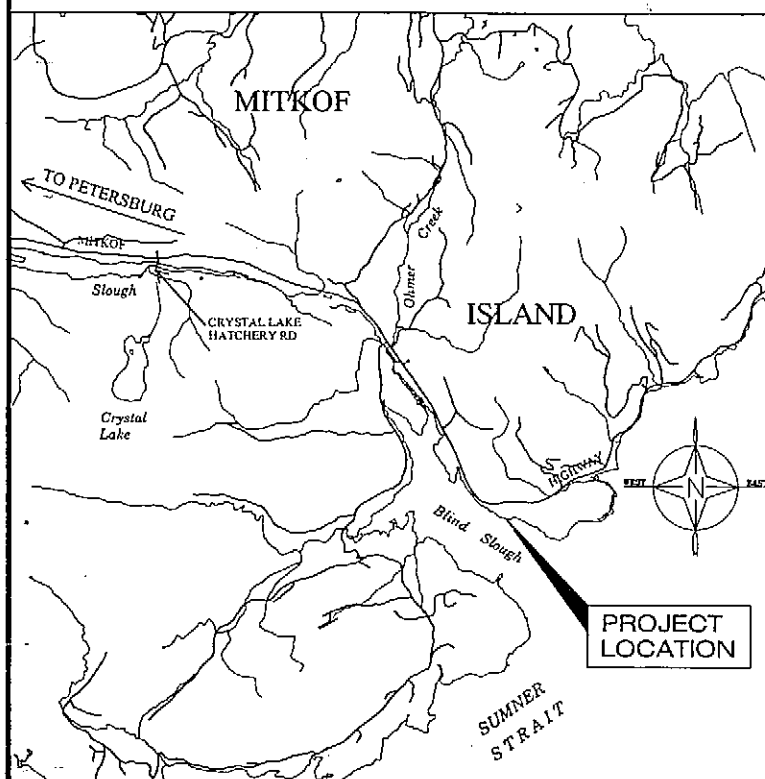
State of Alaska

Department of Transportation and Public Facilities

Southeast Region Design and Engineering Services



AS-BUILT
R.M. 11-14-06



VICINITY MAP

Consists of:

South Mitkof Ferry Terminal (Uplands) (Uplands, Terminal Building & Electrical)

Project No. 67833 / MGS-MGE-STP-0003(65)

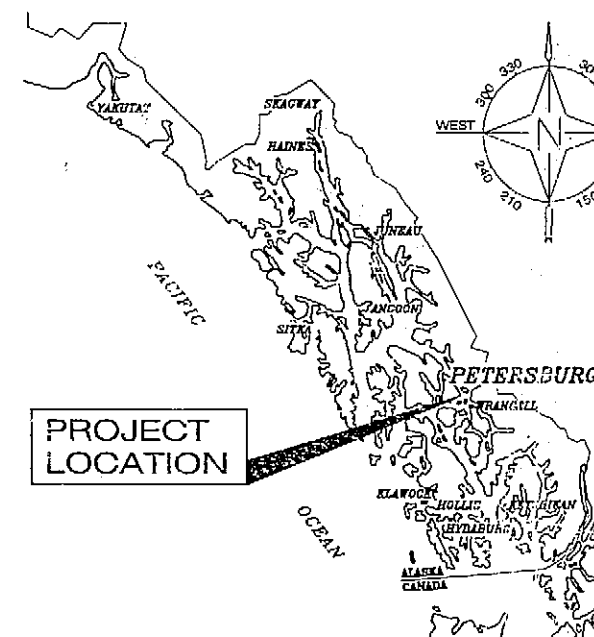
South Mitkof Terminal (Marine Facilities)

Project No. 67833 / MGS-MGE-STP-0003(65)

South Mitkof Ferry Terminal

THE FOLLOWING STANDARD DRAWINGS APPLY TO THESE PROJECTS:

A-1	F-01.01	S-00.10
D-01.02	F-03.01	S-05.01
D-04.21	I-81.00	S-30.03
D-06.10	L-23.01	
E-13.00		



SOUTHEAST ALASKA REGION
LOCATION MAP

Project Index

PROJECT SUMMARY
3 SHEETS

PROJECT NO. 67833
UPLANDS, TERMINAL BLDG & ELECTRICAL
27 SHEETS

PROJECT NO. 67833
MARINE FACILITIES
101 SHEETS

As-Built DRAWINGS

CONTRACTOR: WESTERN MARINE, INC.

PROJECT ENGINEER: CLIFF DOUGLAS

DATE BEGAN: 7-11-05

DATE COMPLETED: 7-9-06

PATH: Q:\Psg\67833\PlanSet\Main 1_Tsht.dwg
Tue, 26/Apr/05 12:53PM dastevens
PLOT: FULL 1:1 HALF 1:2

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SE REGION DESIGN & ENGINEERING SERVICES

RECOMMENDED FOR APPROVAL:

Patrick J. Kemp, P.E.
Regional Preconstruction Engineer

4/27/05
DATE

APPROVED:

Gary L. Paxton
Director, SE Region

4/27/05
DATE

CERTIFIED TRUE & CORRECT AS-BUILT OF ACTUAL FIELD CONDITION:

CONSTRUCTION PROJECT MANAGER		DATE		
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	STP-0003(65)/67833	2005	X1	128

[illegible]

AS-BUILT
11-14-06 RAN

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

**SOUTH MITKOF
FERRY TERMINAL
PROJECT NO. 67833**

Estimate of Quantities

CHECKED BY: M. LUKSHIN

STATE OF ALASKA
40th
Michael Lukshin
CE-8737
4/27/02
DATE SIGNED

DESIGNED BY: M. LUKSHIN
DRAWN BY: D. STEVENS

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

**SOUTH MITKOP
FERRY TERMINA**

Estimate of Quantities

PROJECT DESIGNATION NUMBER	STP-0003(65)/6783
----------------------------	-------------------

STATE	YEAR
ALASKA	2005

SHEET NUMBER	TOTAL SHEETS
Y2	128

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

ESTIMATE OF QUANTITIES

Item No.	Item	Unit	Individual Project Quantities		Total Quantity
			Project 67833 Uplands	Project 67833 Marine Facilities	
603(17-24)	24 Inch Pipe	LF	~~240~~ 147.0		~~240~~ 147.0
603(20)	End Section for 24 Inch Pipe	Each	~~8~~ 6		~~8~~ 6
607 (3)	Chain Link Fence, 8' High	LF	~~1020~~ 798.0		~~1020~~ 798.0
607 (5)	Drive Gate	Each	2		2
607 (6)	Walk Gate	Each	1		1
607 (7)	Road Closure Gate	Lump Sum	All Req'd		All Req'd
611(1A)	Rip Rap, Class I	Cubic Yard	~~100~~ 110.0		~~100~~ 110.0
611(1B)	Rip Rap, Class III	Cubic Yard	~~1350~~ 2652.0		~~1350~~ 2652.0
615 (1)	Standard Sign	Square Foot	~~322.85~~ 321.85	359.75	~~322.85~~ 331.85 359.75
618 (1)	Seeding	Acre	~~4~~ 5.73		~~4~~ 5.73
619 (2)	Matting	Square Yard	~~10100~~ 5235.6		~~10100~~ 5235.6 44
620 (1)	Topsoil	Square Yard	~~15000~~ 461		~~15000~~ 461
628 (1)	Water Holding Tank System	Lump Sum	All Req'd		All Req'd
629 (1)	Sewage Holding Tank System	Lump Sum	All Req'd		All Req'd
630 (1)	Geotextile, Separation	Square Yard	~~23500~~ 23,258		~~23500~~ 23,258
633 (1)	Silt Fence	Linear Foot	~~2000~~ 1225		~~2000~~ 1225
640 (1)	Mobilization and Demobilization	Lump Sum	All Req'd	All Req'd	All Req'd
640 (4)	Workers Meals and Lodging, or Per diem	Lump Sum	All Req'd	All Req'd	All Req'd
641 (1)	Erosion & Pollution Control Administration	Lump Sum	All Req'd	All Req'd	All Req'd
641 (2)	Temporary Erosion & Pollution Control	Cont Sum	All Req'd	All Req'd	All Req'd
641 (5)	Rock Check Dam	Each	~~10~~ 14 28		~~10~~ 14 28
641 (6)	Hand Seeding	MSF	~~10~~ 118.4		~~10~~ 118.4
642 (1)	Construction Surveying	Lump Sum	All Req'd	All Req'd	All Req'd
642 (3)	Three Person Survey Party	Hour	~~20~~ 3.64		~~20~~ 3.64
643 (2)	Traffic Maintenance	Lump Sum	All Req'd		All Req'd
643 (3)	Permanent Construction Signs	Lump Sum	All Req'd		All Req'd
643 (15)	Flagging	Cont Sum	~~500~~ All Req'd		~~500~~ All Req'd
643 (25)	Traffic Control	Cont Sum	All Req'd		All Req'd
644 (1)	Field Office	Lump Sum	All Req'd	All Req'd	All Req'd
644 (2)	Field Laboratory	Lump Sum	All Req'd	All Req'd	All Req'd
644(7)	Vehicle & Skiff	Lump Sum	All Req'd	All Req'd	All Req'd
645 (1)	Training Program for 1 Trainee/Apprentice	Labor Hour	500		500
662(01)	Electrical Power & Lighting System	Lump Sum	All Req'd	All Req'd	All Req'd
662 (2)	Ramp & Apron Electrical System (Marine)	Lump Sum		All Req'd	All Req'd
662(3)	Pontoon, Transfer and Approach Bridge Lighting System (Marine)	Lump Sum		All Req'd	All Req'd
680(1)	Passenger Shelter	Lump Sum	All Req'd		All Req'd
690 (1)	Ticket Office Building Trailer	Lump Sum	All Req'd		All Req'd

AS-BUILT
11/10/06

SOUTH MITKOF
FERRY TERMINAL
PROJECT NO. 67833

Estimate of Quantities

PATH:
Q:\Proj\67833\PlanSet\SMI Est of quantities
Tue, 26/Apr/05 09:57AM dastevens
PLOT:
PSPACE 1=1(F) OR MSPACE 1=1(F)
TAB: C2

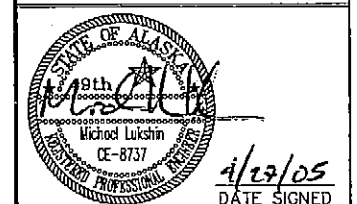
ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

CHECKED BY: M. LUKSHIN



DESIGNED BY: M. LUKSHIN

DRAWN BY: D. STEVENS

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

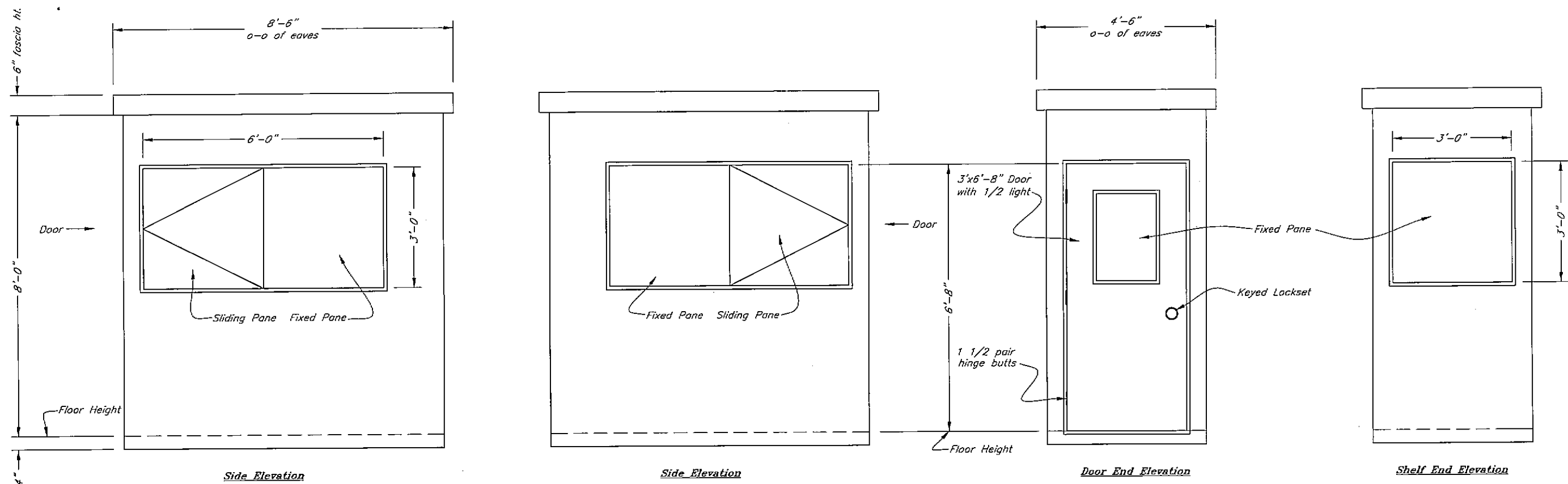
**SOUTH MITKOF
FERRY TERMINAL**

**Estimate of
Quantities**

PROJECT DESIGNATION NUMBER

STP-0003(65)/67833

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
X3	128



ELEVATION VIEWS

Booths to be product of standard manufacture of a firm with at least 10 years experience in the manufacture, shipping and installation of booths for architectural, industrial, security and parking settings and clients.

Booth to be pre-engineered, pre-fabricated, complete and ready for installation, including anchor plates or assemblies, to cast-in-place slabs and on-site conduit stub ups. Booth to have layout, floor plan and elevation as per contract drawings. Interior and exterior to be complete including paint (interior to be off-white, exterior to be medium green).

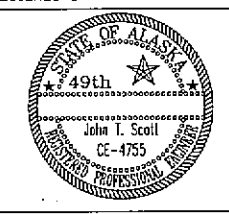
Interior control, lighting, electrical conductors, conduit, fixtures shall be installed on-site.

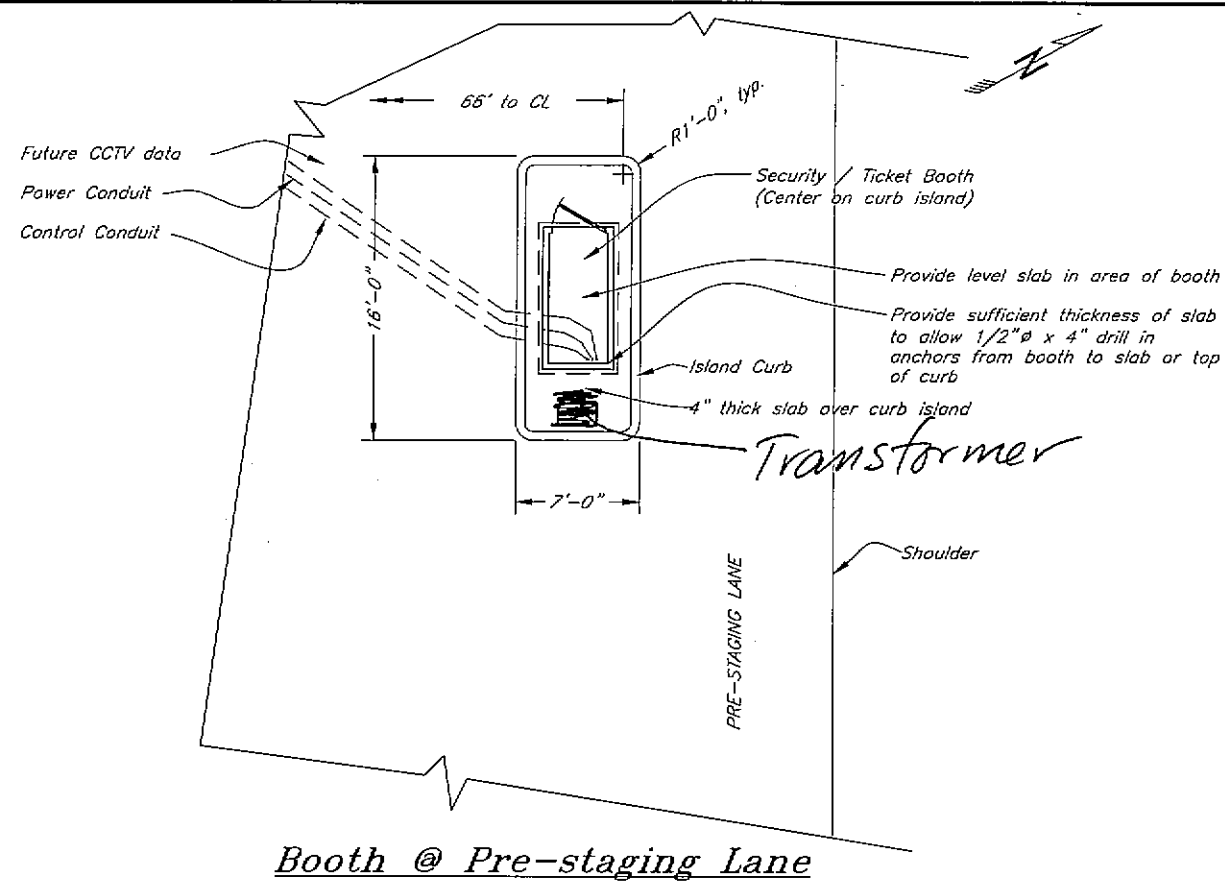
Submit shop drawings and manufacturer proposed specifications for review and approval.

Acceptable manufacturer, manufacturer standard specifications and materials package is:
 Par-Kut International
 40961 Production Drive
 Harrison Township, MI 48045
 Phone: 800-394-6599

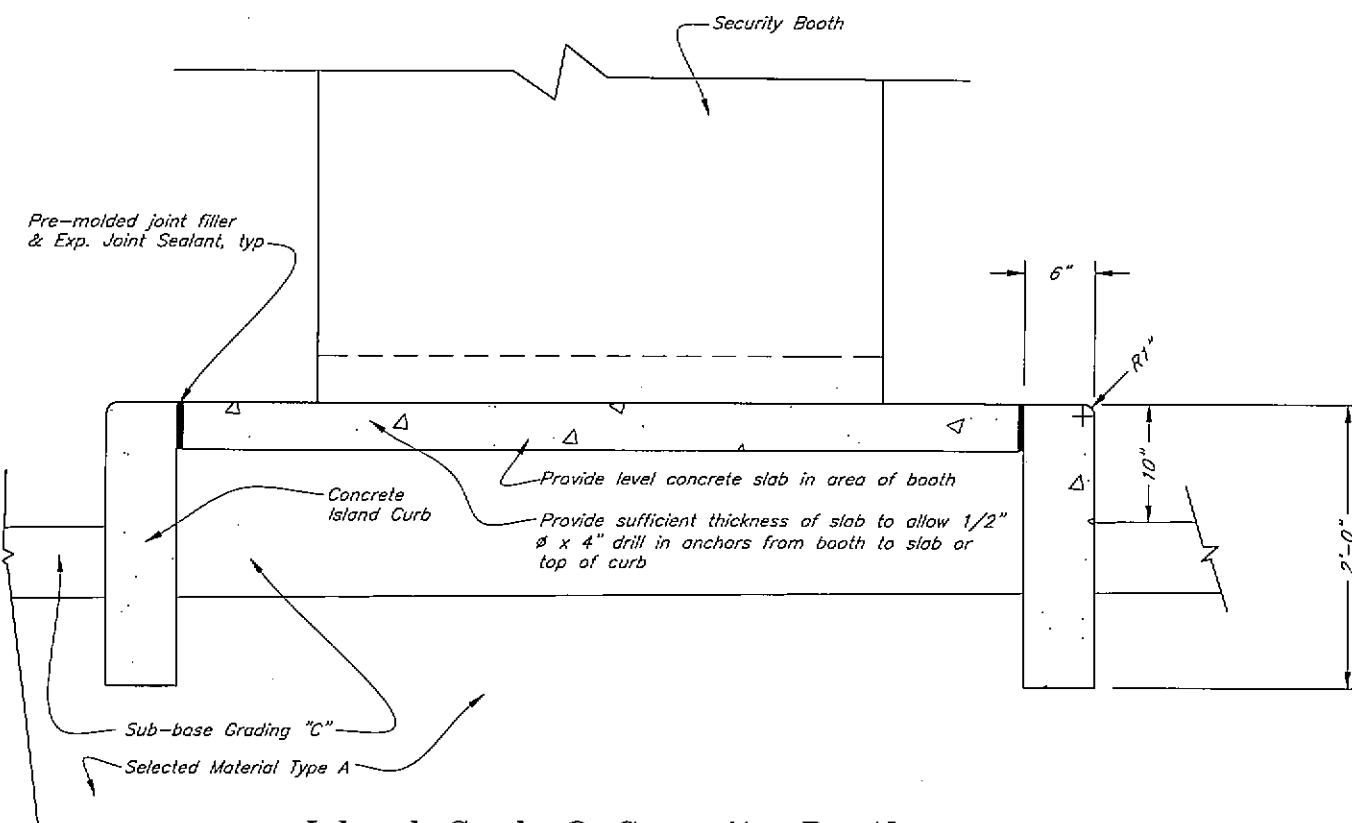
AS-BUILT
 11-14-06 JKM

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

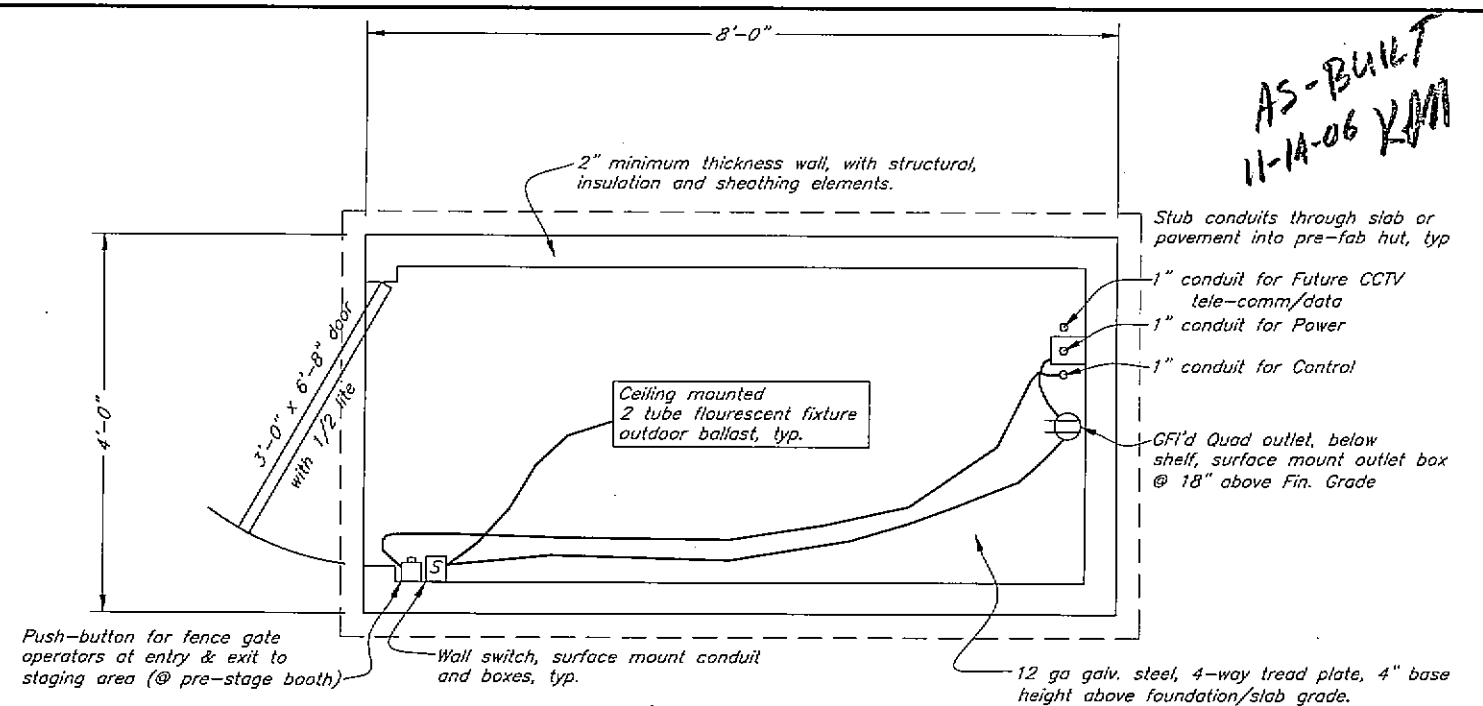
DESIGNED BY: NAME		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION			
		South Mitkof Ferry Terminal Project 67833			
CHECKED BY: NAME		Security/Ticket Booth			
DRAWN BY: NAME					
PATH: C:\South Mitkof - 67833\Mitkof Security Booth.dwg		Thu, 15/Dec/05 02:32PM			
PLOT: PSPACE 1=1		TAB: DETAIL			
REVISIONS		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION	67844	2005	XX 99



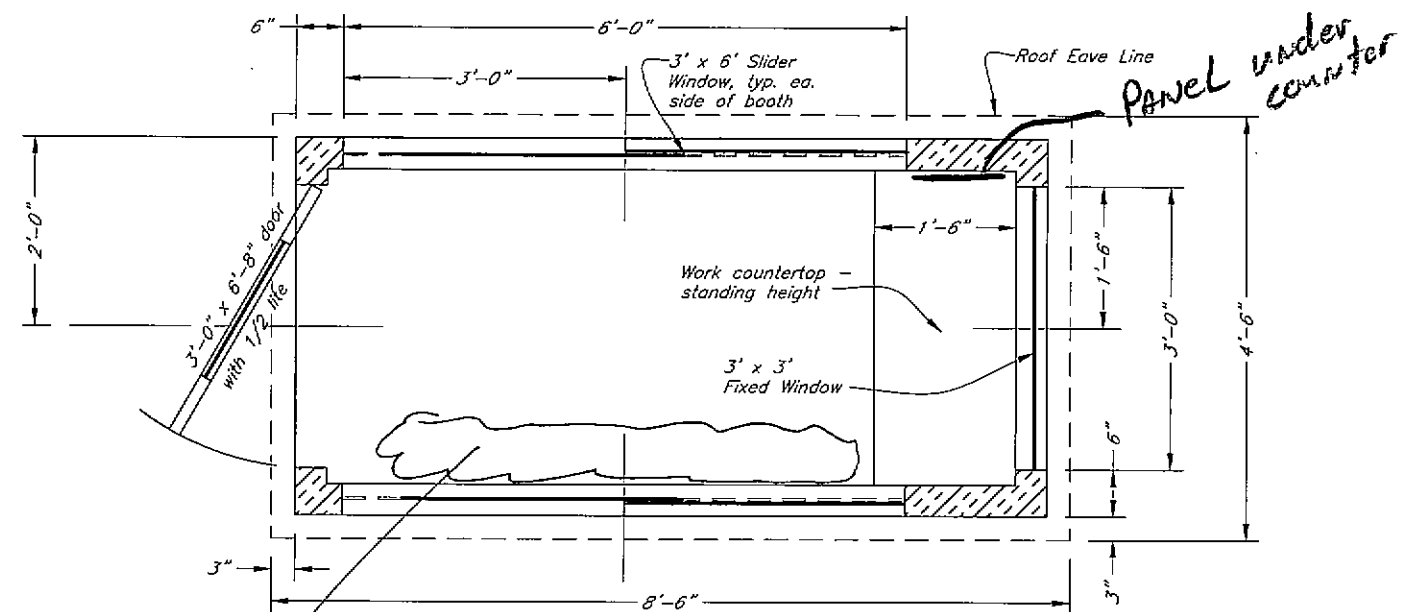
Booth @ Pre-staging Lane



Island Curb @ Security Booth



Purser / Ticket Booth



Purser / Ticket Booth

Wall below window for Panels

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: NAME		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION			
		South Mitkof Ferry Terminal Project 67833			
CHECKED BY: NAME		Security/Ticket Booth			
DRAWN BY: NAME					
PATH: C:\South Mitkof - 67833\Mitkof Security Booth.dwg		Thu, 15/Dec/05 02:31PM			
PLOT: PSPACE 1=1		TAB: DETAIL			
REVISIONS		PROJECT DESIGNATION		YEAR	SHEET NO.
NO.	DATE	DESCRIPTION			
		67844		2005	xx
					99