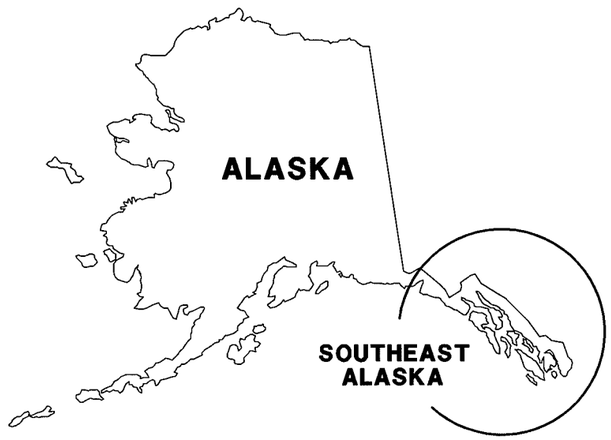
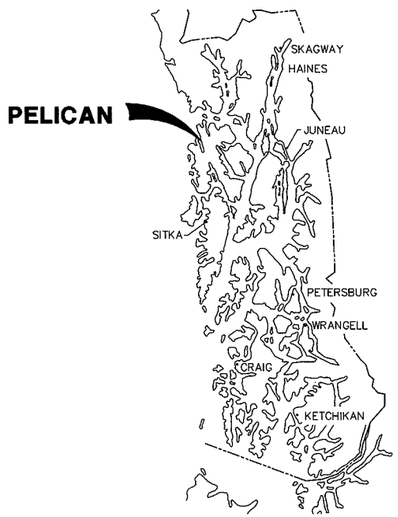
CITY OF PELICAN, ALASKA

PELICAN HARBOR TEE FLOATS

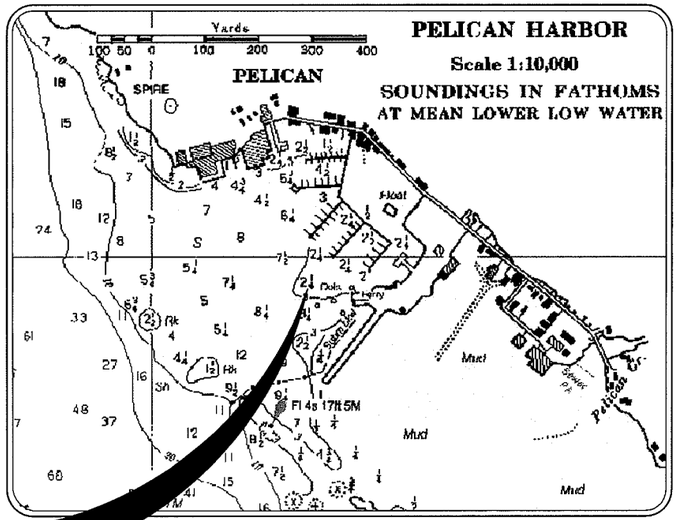
2007



LOCATION MAP



SOUTHEAST ALASKA



PELICAN HARBOR

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STATE OF ALASKA — Matthew R. Smithhisler — CE-8845 — REGISTERED PROFESSIONAL ENGINEER

CITY OF PELICAN, ALASKA
PELICAN HARBOR TEE FLOATS

SHEET TITLE:
COVER SHEET, VICINITY MAP AND DRAWING INDEX

PND PROJECT NO.: 072011.01 DWG. FILE:

1.01
SHEET 1 OF 14

ABBREVIATIONS

A	
@	AT
AC	ASBESTOS CEMENT PIPE
ACP	ASPHALT CONCRETE PAVEMENT
ADJ	ADJUSTABLE
APF	ASSOCIATED PILE AND FITTING CORP.
APPROX.	APPROXIMATE
AV	AIR RELEASE VALVE
B	
BFV	BUTTERFLY VALVE
BLDG	BUILDING
BOP	BEGINNING OF PROJECT
BTM,BOT	BOTTOM
C	
C&G	CURB & GUTTER
CB	CATCH BASIN
CI	CAST IRON
CIP	CAST-IN-PLACE
CJ	CONTROL JOINT
℄	CENTER LINE
CLR	CLEAR
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
C.O.E.	CORPS OF ENGINEERS
CONC.	CONCRETE
CP	COMPLETE PENETRATION
CPP	CORRUGATED POLYETHYLENE PIPE
COR	CORNER
CSC	COUNTERSINK
CTR	CENTER
CY	CUBIC YARD
D	
D/DIA	DIAMETER
DBL	DOUBLE
DL	DEAD LOAD
DIP	DUCTILE IRON PIPE
DIM	DIMENSION
DN	DOWN
DTL	DETAIL
E	
E	EAST
EA.	EACH
EJ	EXPANSION JOINT
EL/ELEV	ELEVATION
EOP	END OF PROJECT
EQ	EQUAL
EQUIP	EQUIPMENT
EST	ESTIMATE
EXC	EXCAVATE
EXIST	EXISTING
F	
FC	FACE OF CURB
FD	FLOOR DRAIN
FF	FINISHED FLOOR
FH	FIRE HYDRANT, FLAT HEAD
FIN	FINISH (ED)
FM	FORCE MAIN SEWER
FND	FOUNDATION
FT	FOOT
FTG	FOOTING
FL	FLOWLINE
G	
GAL	GALLON
GALV	GALVANIZED
GB	GRADE BREAK
GPM	GALLONS PER MINUTE
GRD	GROUND
GV	GATE VALVE

H	
H&T	HUB & TACK
HD	HEAVY DUTY
HDG	HOT-DIPPED GALVANIZED
HDPE	HIGH DENSITY POLYETHYLENE
HORIZ	HORIZONTAL
HSE	HOUSE
HT	HEIGHT
HWY.	HIGHWAY
I	
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IN	INCH
IP	IRON PIPE
INCL	INCLUDE (D) (ING)
INSUL	INSULATE (D) (ION)
INV	INVERT
J	
JB	JUNCTION BOX
L	
LBS	POUNDS
LF	LINEAR FEET
LL	LIVE LOAD
LOC	LOCATION
LS	LUMP SUM
M	
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURE (R)
MH	MANHOLE
MI	MALLEABLE IRON
MIN	MINIMUM
MLLW	MEAN LOWER LOW WATER
MSF	1000 SQUARE FEET
MSE	MECHANICALLY STABILIZED EARTH
MTL	MATERIAL (S)
N	
N	NORTH
NFS	NON FROST SUSCEPTIBLE
NIC	NOT IN CONTRACT
NO	NUMBER
NTS	NOT TO SCALE
O	
OBD	OVERBURDEN
OC	ON CENTER
OD	OUTSIDE DIAMETER
OG	ORIGINAL GROUND
OHE	OVERHEAD ELECTRICAL
OWS	OIL-WATER SEPARATOR
OPP	OPPOSITE
P	
P	PIPE
PC	POINT OF CURVATURE, PIECE
PCC	PRECAST CONCRETE
PED	PEDESTAL
PER	PERIMETER
PERF	PERFORATE (D)
PI	POINT OF INTERSECTION
PLWD	PLYWOOD
PL	PROPERTY LINE, PLATE
PROJ	PROJECT
PRV	PRESSURE REDUCING VALVE
PSI	POUND PER SQUARE INCH
PT	POINT, PRESSURE TREATED, POINT OF TANGENCY
PVC	POINT OF VERTICAL CURVATURE, POLY VINYL CHLORIDE
Q	
QTY	QUANTITY

R	
RAD	RADIUS
RE	RIM ELEVATION
REF	REFERENCE
REINF	REINFORCEMENT
REQD	REQUIRED
RET	RETAINING
RO	ROUGH OPENING
ROW	RIGHT OF WAY
S	
S	SOUTH
SCHED	SCHEDULE
SD	STORM DRAIN
SDI	STORM DRAIN INLET STRUCTURE
SDO	STORM DRAIN OUTLET STRUCTURE
SDR	STANDARD DIMENSION RATIO
SF	SQUARE FOOT
SHLDR	SHOULDER
SI	STREET INTERSECTION
SPEC	SPECIFICATION (S)
SQ	SQUARE
SSC	SANITARY SEWER CONNECTION
SS	STAINLESS STEEL, SANITARY SEWER
SDMH	STORM DRAIN MANHOLE
SSMH	SANITARY SEWER MANHOLE
STA	STATION
STD	STANDARD
STL	STEEL
STRG	STRONG
SW	SIDEWALK
SWR	SEWER
SY	SQUARE YARD
SYM	SYMMETRICAL
T	
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TBC	TOP BACK OF CURB
TBM	TEMPORARY BENCH MARK
TD	TRENCH DRAIN
TEL	TELEPHONE
TEMP	TEMPERATURE, TEMPORARY
TH	TEST HOLE
THK	THICK
TRANS	TRANSVERSE
TV	TELEVISION
TYP	TYPICAL
U	
UBC	UNIFORM BUILDING CODE
UE	UNDERGROUND ELECTRIC
UMC	UNIFORM MECHANICAL CODE
UHMW	ULTRA HIGH MOLECULAR WEIGHT
UON	UNLESS OTHERWISE NOTED
UPC	UNIFORM PLUMBING CODE
V	
VB	VALVE BOX
VERT	VERTICAL
W	
W	WEST
W/	WITH
WD	WOOD
WELDMT	WELDMENT
WL	WATERLINE
WV	WATER VALVE
W/O	WITHOUT
X	
XFMR	TRANSFORMER
◁PT	ANGLE POINT

GENERAL NOTES

1. PROPERTY DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO ITS PRE-CONSTRUCTION CONDITION OR BETTER AT NO ADDITIONAL COST.
2. THE CITY OF PELICAN SHALL MAINTAIN POSSESSION OF ALL MATERIALS REMOVED UNDER THIS CONTRACT.
3. THE CITY WILL RELOCATE VESSELS AS REQ'D TO CONSTRUCT ALL IMPROVEMENTS.
4. THE CONTRACTOR SHALL PROVIDE A MINIMUM (7) DAY NOTICE PRIOR TO ENGAGING IN WORK THAT REQUIRES CITY COORDINATION.

LEGEND

EXISTING	PROPOSED	
——— - ———		CENTERLINE
— — — — — — — —		EDGE ACP OR GRAVEL ROADWAY
- X — X — X -		FENCE
—E——E——E— OR	——OHE——	OVERHEAD ELECTRIC LINE
		PROPERTY LINE
——— UE ———		UNDERGROUND ELECTRIC LINE
——— SS ———		UNDERGROUND SANITARY SEWER LINE
========		UNDERGROUND STORM DRAIN PIPE
——— W ———		UNDERGROUND WATER LINE
⊕		SET SPIKE OR PK NAIL
◕		SURVEY MONUMENT
▨ OR	CB	CATCH BASIN
E		ELECTRIC PEDESTAL
⊠ XFMR		ELECTRIC TRANSFORMER
FH	FH	FIRE HYDRANT
——<		GUY ANCHOR
+ 25.2	23.2	GROUND SPOT ELEVATION (MLLW)

EXISTING	PROPOSED	
JB		JUNCTION BOX
WV	WV	KEY BOX/WATER VALVE
		LIGHT POLE OR PILE MOUNTED LIGHT
SSMH		SANITARY SEWER MANHOLE
		SIGN
SDMH		STORM DRAIN MANHOLE
		STORM DRAIN MANHOLE W/ CONC. AREA DRAIN
TR		TELEPHONE RISER
		TREE(S)
		UTILITY POLE
PP		POWER POLE-PP = POWER POLE, SP=SERVICE POLE
SWR		MANHOLE - SWR = SEWER, SD = STORM DRAIN

A / 1.02 — SECTION OR DETAIL CALLOUT; LOCATION OF DETAIL OR REFERENCE DRAWING

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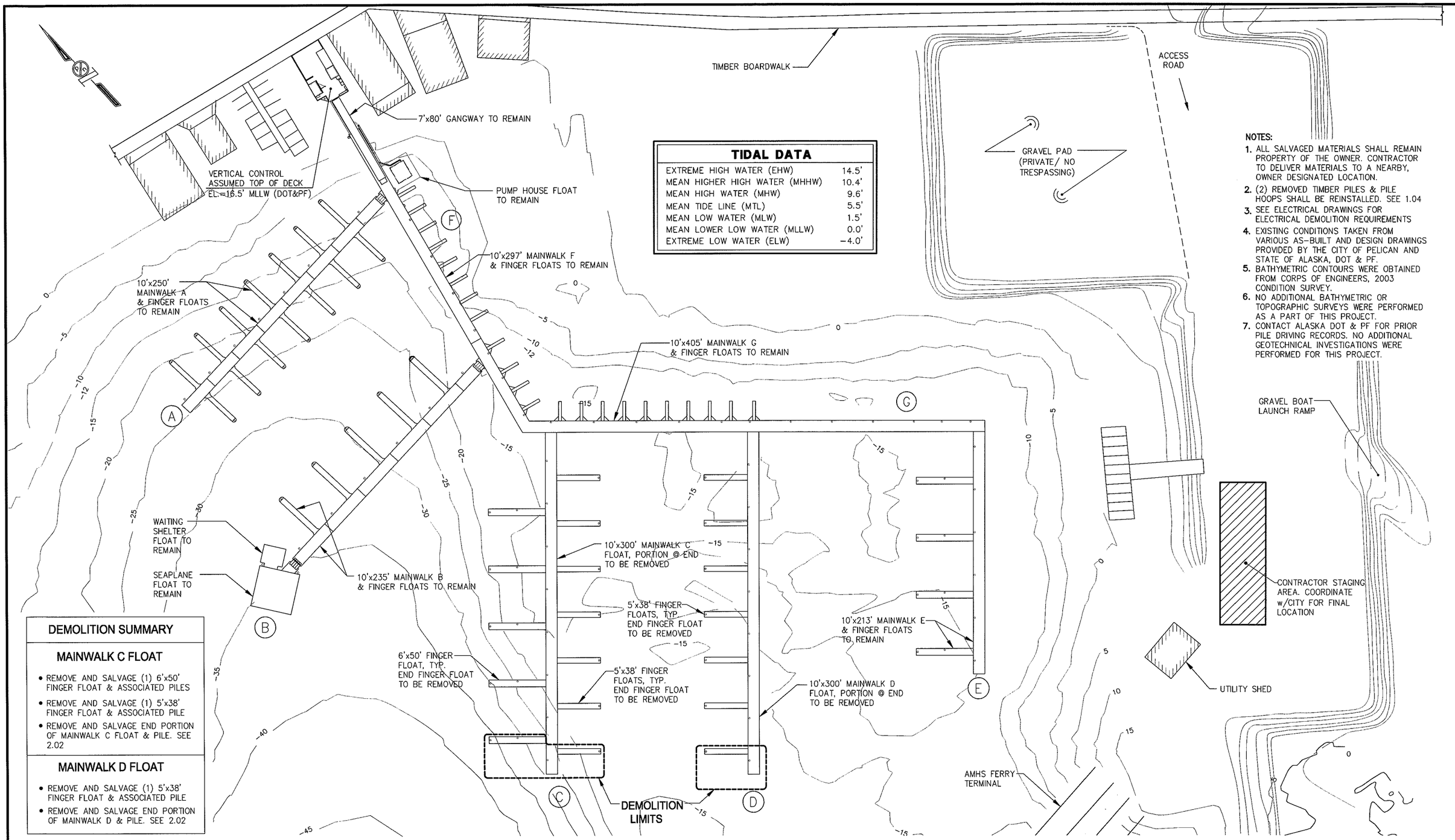
STATE OF ALASKA — Douglas R. Somerville — CE-8845 — REGISTERED PROFESSIONAL ENGINEER

CITY OF PELICAN, ALASKA
PELICAN HARBOR TEE FLOATS

SHEET TITLE:
LEGEND, ABBREVIATIONS AND GENERAL NOTES

PND PROJECT NO.: 072011.01 DWG. FILE:

1.02
SHEET 2 OF 14



TIDAL DATA

EXTREME HIGH WATER (EHW)	14.5'
MEAN HIGHER HIGH WATER (MHHW)	10.4'
MEAN HIGH WATER (MHW)	9.6'
MEAN TIDE LINE (MTL)	5.5'
MEAN LOW WATER (MLW)	1.5'
MEAN LOWER LOW WATER (MLLW)	0.0'
EXTREME LOW WATER (ELW)	−4.0'

NOTES:

1. ALL SALVAGED MATERIALS SHALL REMAIN PROPERTY OF THE OWNER. CONTRACTOR TO DELIVER MATERIALS TO A NEARBY, OWNER DESIGNATED LOCATION.
2. (2) REMOVED TIMBER PILES & PILE HOOPS SHALL BE REINSTALLED. SEE 1.04
3. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL DEMOLITION REQUIREMENTS
4. EXISTING CONDITIONS TAKEN FROM VARIOUS AS-BUILT AND DESIGN DRAWINGS PROVIDED BY THE CITY OF PELICAN AND STATE OF ALASKA, DOT & PF.
5. BATHYMETRIC CONTOURS WERE OBTAINED FROM CORPS OF ENGINEERS, 2003 CONDITION SURVEY.
6. NO ADDITIONAL BATHYMETRIC OR TOPOGRAPHIC SURVEYS WERE PERFORMED AS A PART OF THIS PROJECT.
7. CONTACT ALASKA DOT & PF FOR PRIOR PILE DRIVING RECORDS. NO ADDITIONAL GEOTECHNICAL INVESTIGATIONS WERE PERFORMED FOR THIS PROJECT.

DEMOLITION SUMMARY

MAINWALK C FLOAT

- REMOVE AND SALVAGE (1) 6'x50' FINGER FLOAT & ASSOCIATED PILES
- REMOVE AND SALVAGE (1) 5'x38' FINGER FLOAT & ASSOCIATED PILE
- REMOVE AND SALVAGE END PORTION OF MAINWALK C FLOAT & PILE. SEE 2.02

MAINWALK D FLOAT

- REMOVE AND SALVAGE (1) 5'x38' FINGER FLOAT & ASSOCIATED PILE
- REMOVE AND SALVAGE END PORTION OF MAINWALK D & PILE. SEE 2.02

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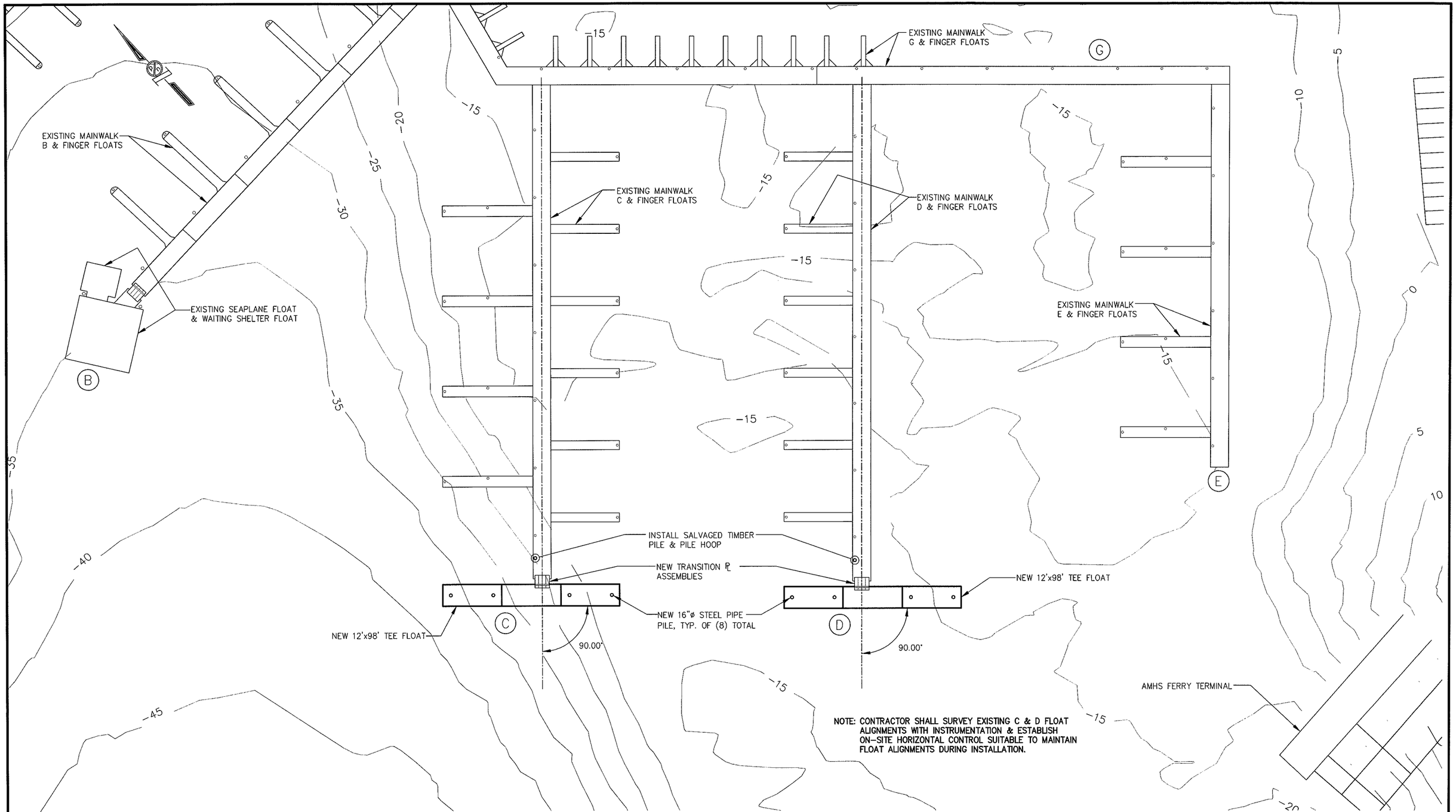
STATE OF ALASKA — Charles R. Somerville — CE-8845 — REGISTERED PROFESSIONAL ENGINEER
DATE: 10/30/07

CITY OF PELICAN, ALASKA
PELICAN HARBOR TEE FLOATS

SHEET TITLE:
EXISTING CONDITIONS AND DEMOLITION PLAN

PND PROJECT NO.: 072011.01 | DWG. FILE:

1.03
SHEET 3 OF 14



NOTE: CONTRACTOR SHALL SURVEY EXISTING C & D FLOAT ALIGNMENTS WITH INSTRUMENTATION & ESTABLISH ON-SITE HORIZONTAL CONTROL SUITABLE TO MAINTAIN FLOAT ALIGNMENTS DURING INSTALLATION.

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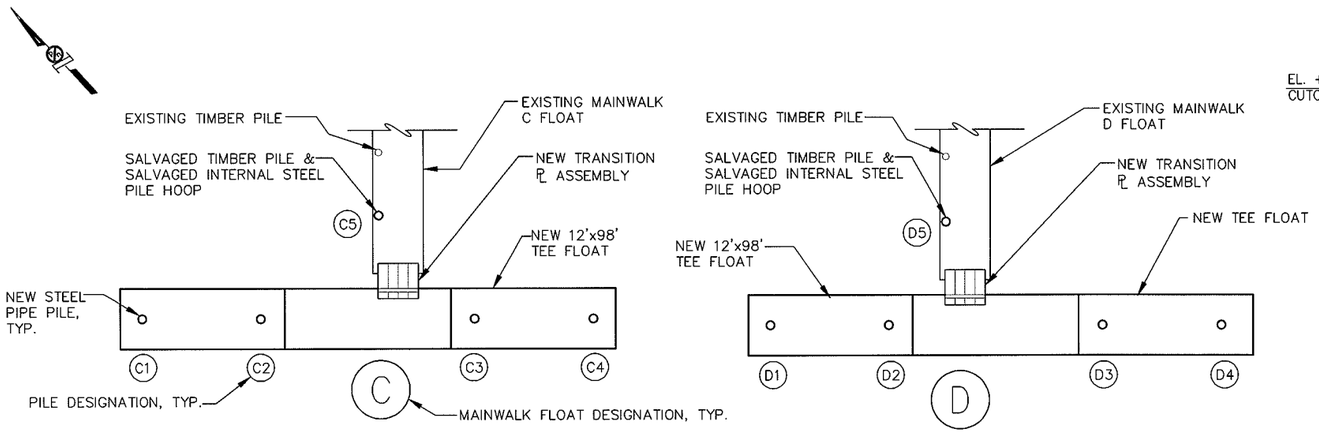
CITY OF PELICAN, ALASKA
PELICAN HARBOR TEE FLOATS

SHEET TITLE:
GENERAL SITE PLAN

PND PROJECT NO. 072011.01 DWG. FILE:

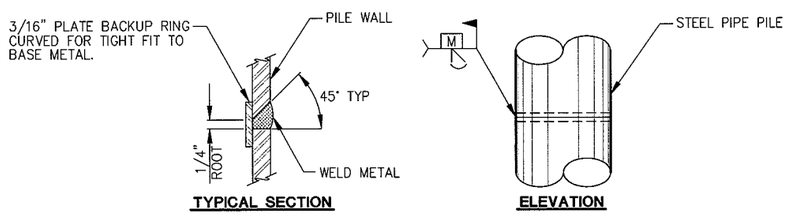
1.04
SHEET 4 OF 14



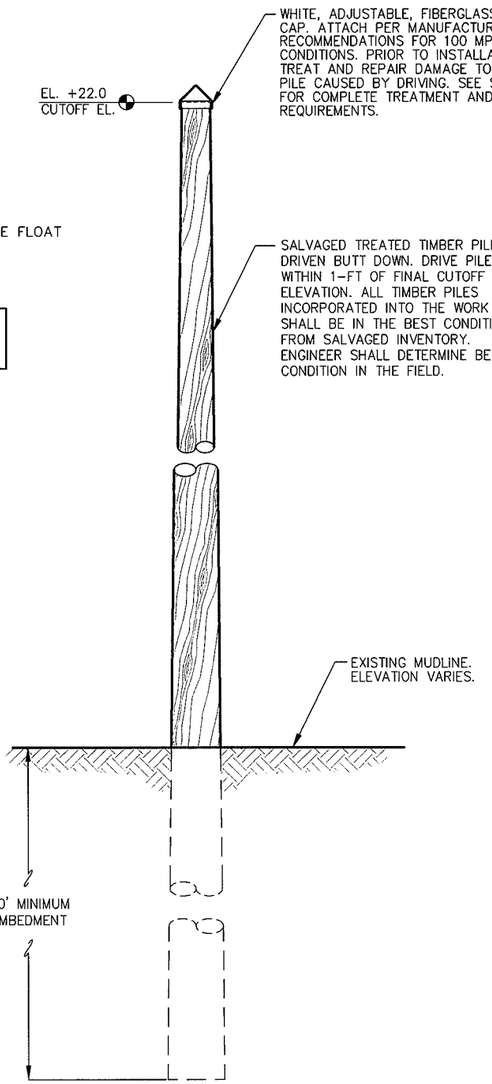
FLOAT AND PILE PLAN

FLOAT PILE SCHEDULE

PILE NO.	PILE DESIGN.	PILE TYPE	PILE SIZE	PILE SUPPLY LENGTH (ft)
1	C1	STEEL	16" x 0.500"t	90
2	C2	STEEL	16" x 0.500"t	90
3	C3	STEEL	16" x 0.500"t	80
4	C4	STEEL	16" x 0.500"t	70
5	C5	SALVAGED TIMBER	--	SEE TIMBER MOORING PILE DETAIL
6	D1	STEEL	16" x 0.500"t	70
7	D2	STEEL	16" x 0.500"t	70
8	D3	STEEL	16" x 0.500"t	70
9	D4	STEEL	16" x 0.500"t	70
10	D5	SALVAGED TIMBER	--	SEE TIMBER MOORING PILE DETAIL

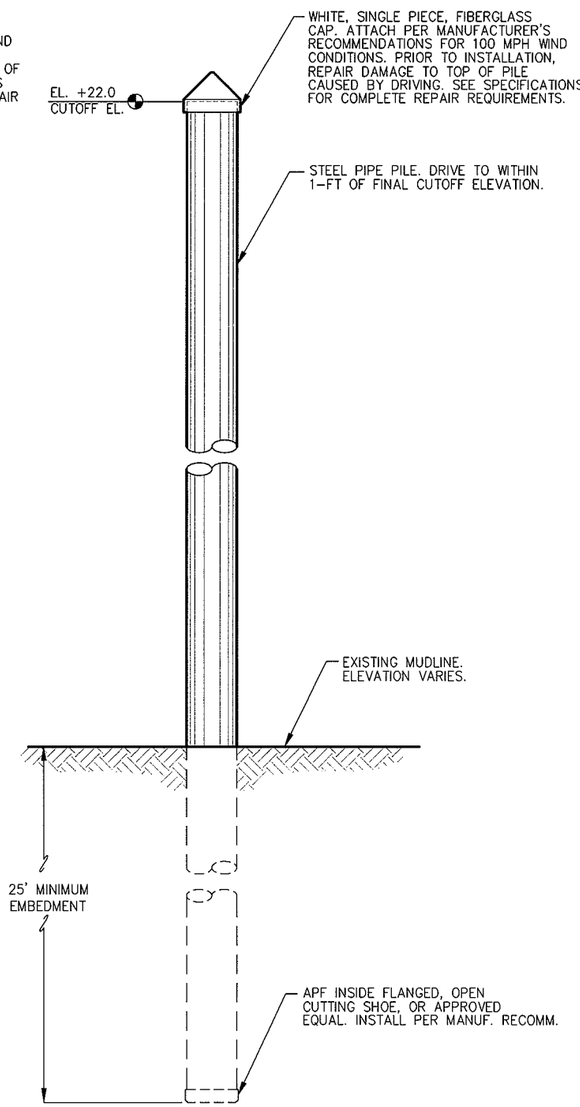


TYPICAL PILE SPLICE WELD
(TYPICAL FOR ALL PIPE PILE SPLICES)



TIMBER MOORING PILE

NOTE: INSTALL ALL SALVAGED TIMBER PILES BUTT DOWN AS SHOWN.



TYPICAL STEEL MOORING PILE

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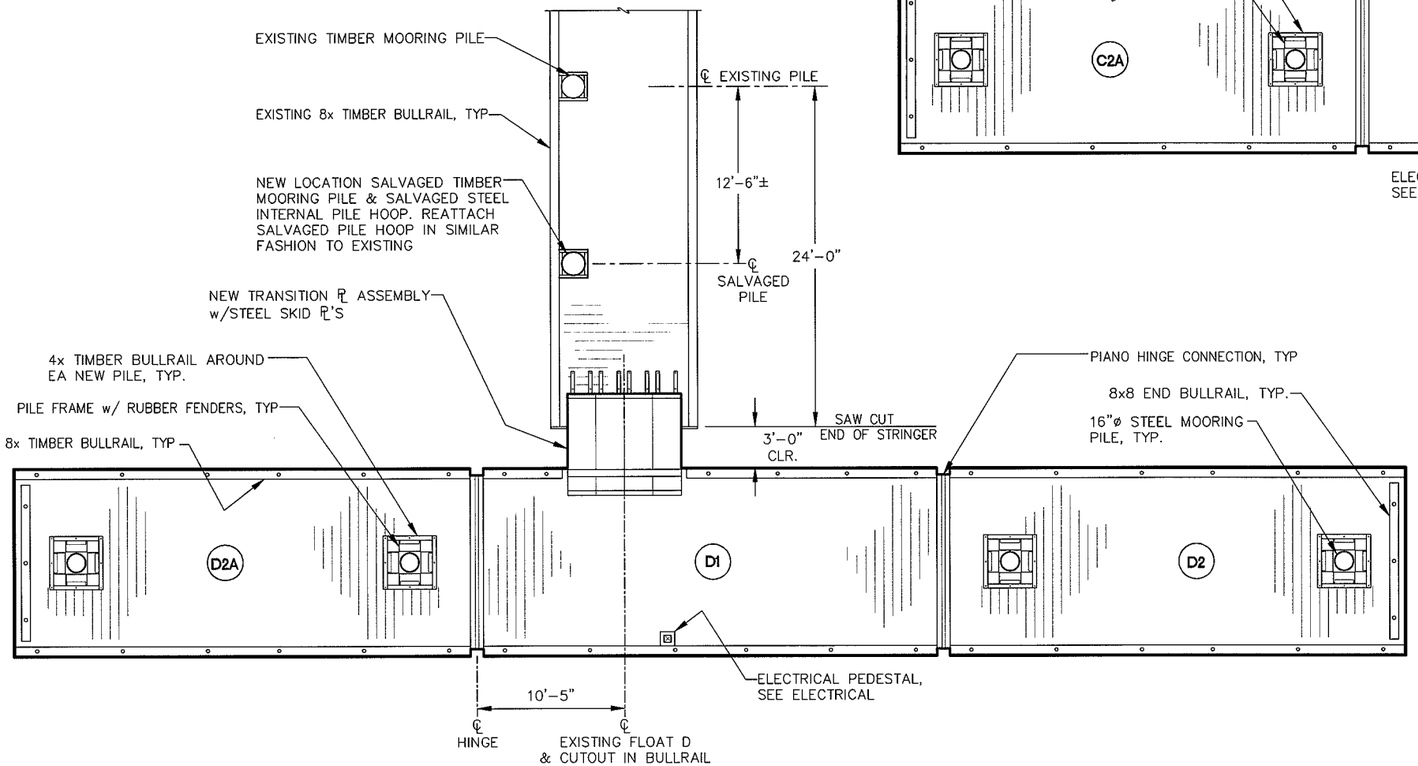
CITY OF PELICAN, ALASKA
PELICAN HARBOR TEE FLOATS

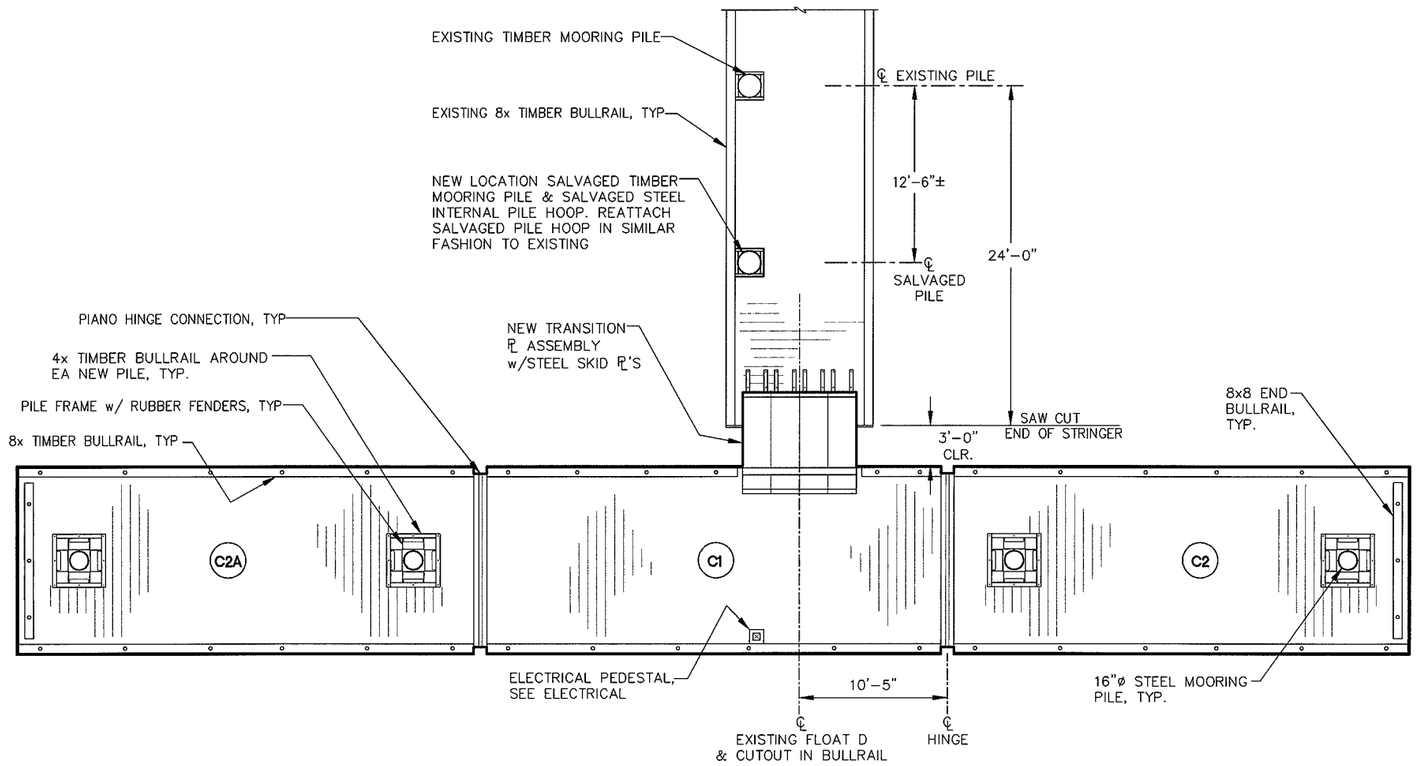
SHEET TITLE:
PILE SCHEDULE, PILE DETAILS, FLOAT & PILE PLAN

PND PROJECT NO.: 072011.01 DWG. FILE:

2.01
SHEET 5 OF 14



D TEE FLOAT PLAN



C TEE FLOAT PLAN

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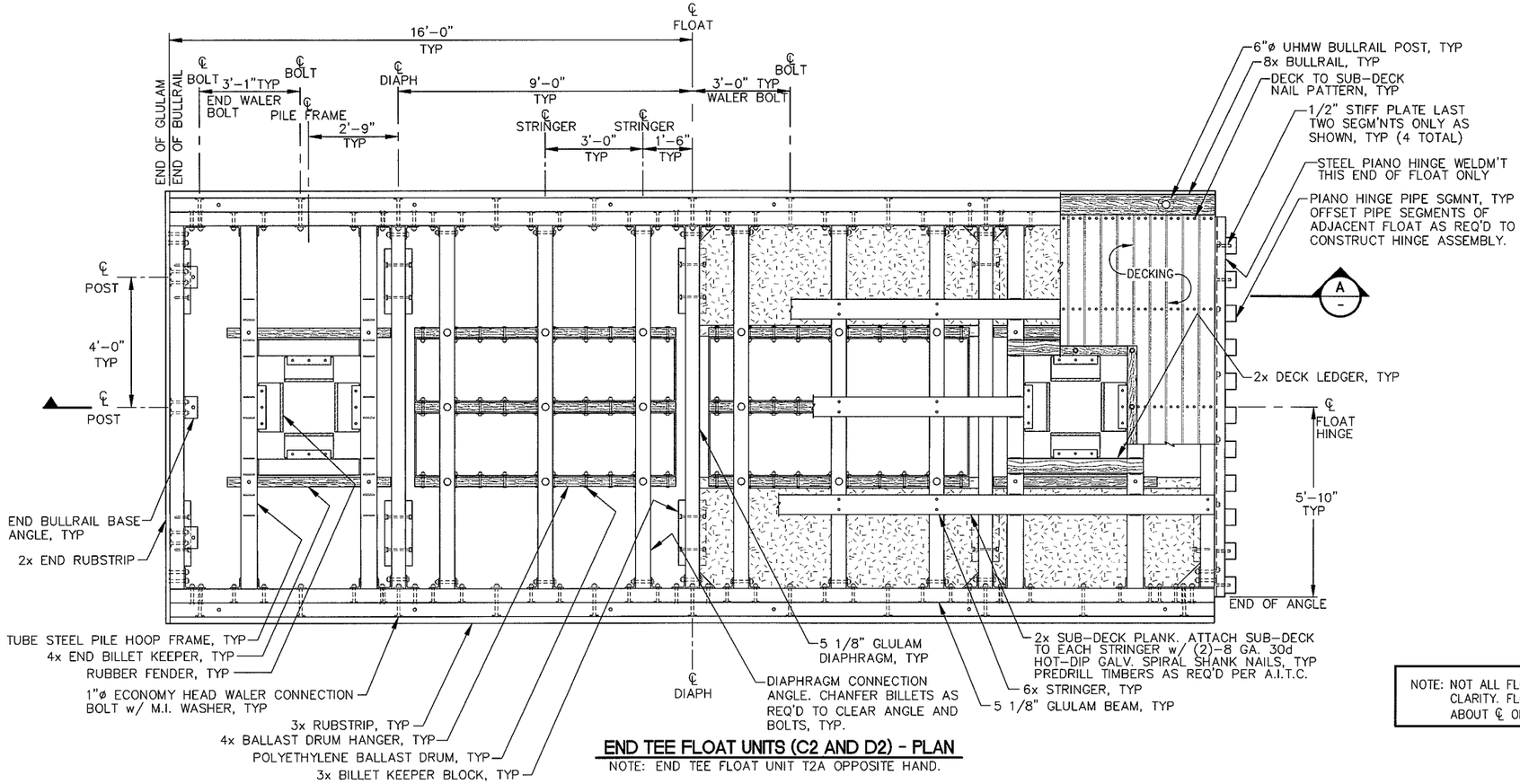
CITY OF PELICAN, ALASKA
PELICAN HARBOR TEE FLOATS

SHEET TITLE: **C & D TEE FLOAT PLAN**

PND PROJECT NO. 072011.01 | DWG. FILE:

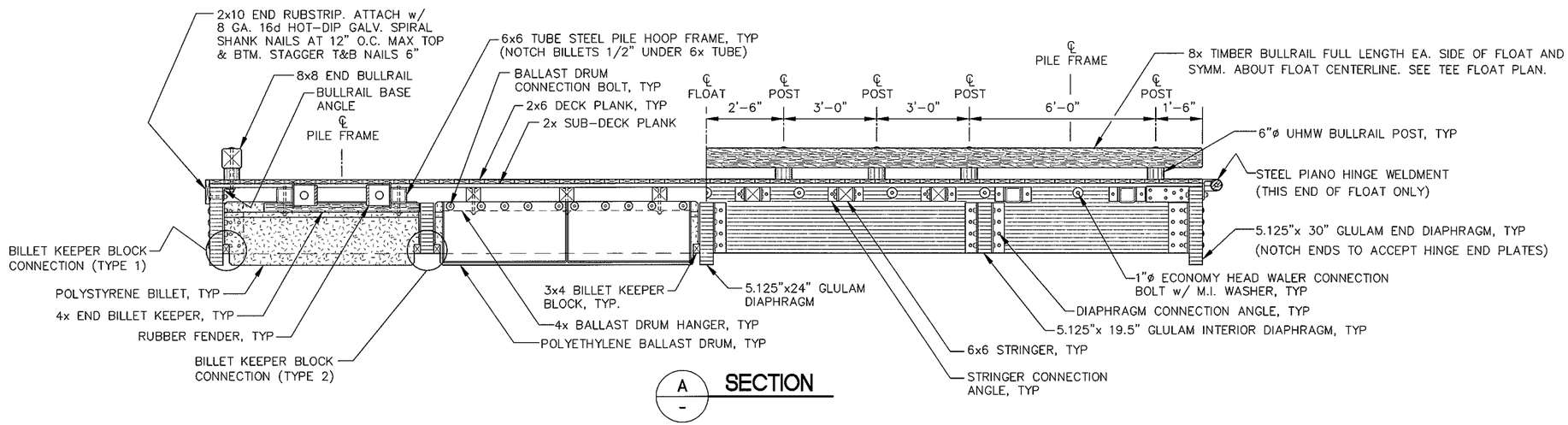
2.02
SHEET 6 OF 14



END TEE FLOAT UNITS (C2 AND D2) - PLAN

NOTE: END TEE FLOAT UNIT T2A OPPOSITE HAND.

NOTE: NOT ALL FLOTATION BILLETS AND BALLAST DRUMS SHOWN FOR CLARITY. FLOTATION BILLETS AND BALLAST DRUMS SYMMETRICAL ABOUT ℄ OF FLOAT.



A / - SECTION

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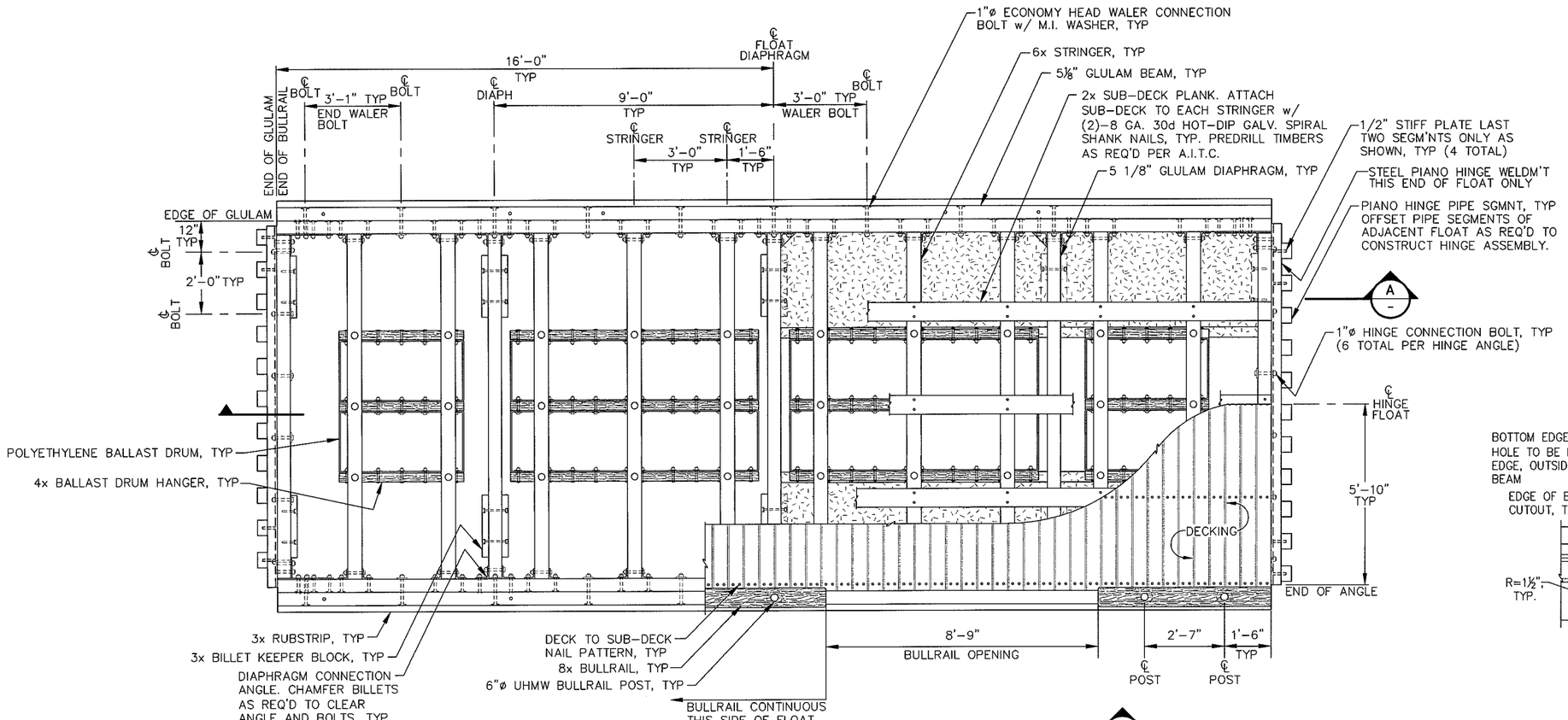
CITY OF PELICAN, ALASKA
PELICAN HARBOR TEE FLOATS

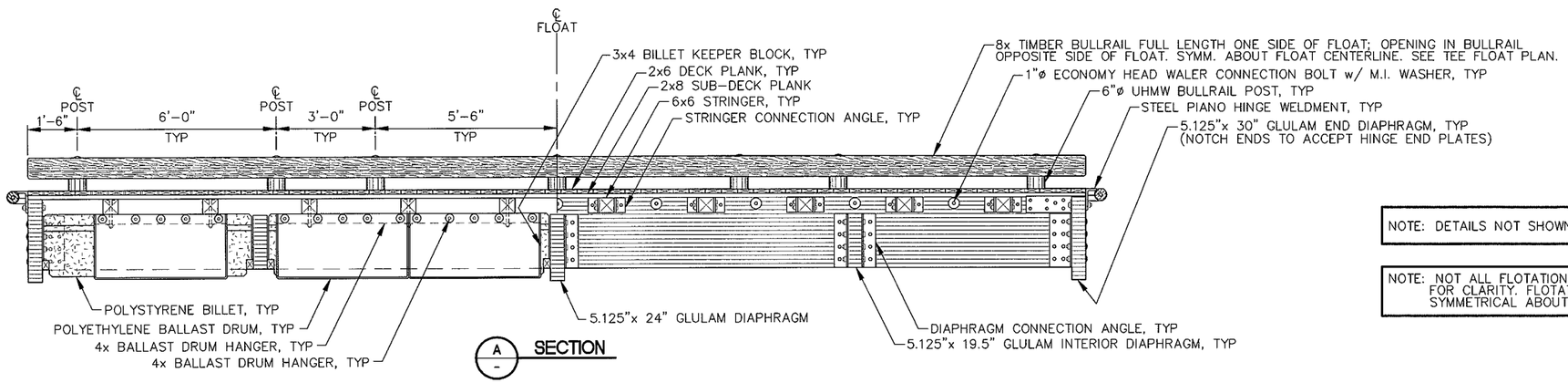
SHEET TITLE: **END TEE FLOAT UNITS**

PND PROJECT NO.: 072011.01 DWG. FILE:

2.03
SHEET 7 OF 14



CENTER TEE FLOAT UNIT D1 - PLAN



SECTION

NOTE: DETAILS NOT SHOWN SIMILAR TO END TEE FLOAT UNIT.

NOTE: NOT ALL FLOTATION BILLETS AND BALLAST DRUMS SHOWN FOR CLARITY. FLOTATION BILLETS AND BALLAST DRUMS SYMMETRICAL ABOUT CENTERLINE OF FLOAT.

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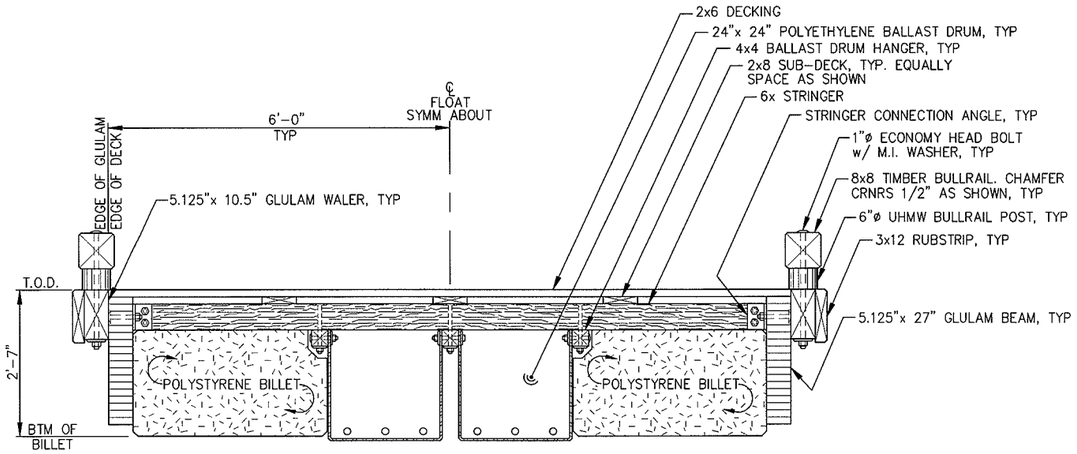
CITY OF PELICAN, ALASKA
PELICAN HARBOR TEE FLOATS

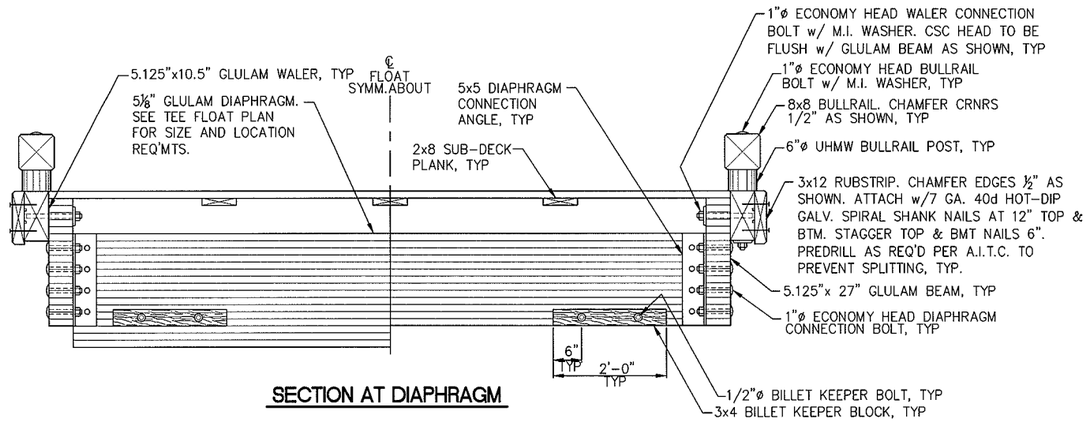
SHEET TITLE: **CENTER TEE FLOAT UNIT**

PND PROJECT NO.: 072011.01 DWG. FILE:

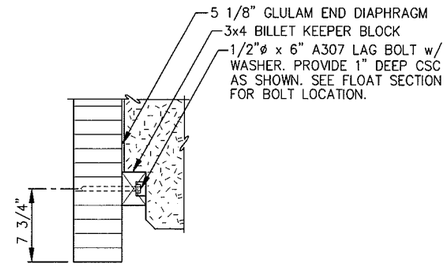
2.04
SHEET 8 OF 14



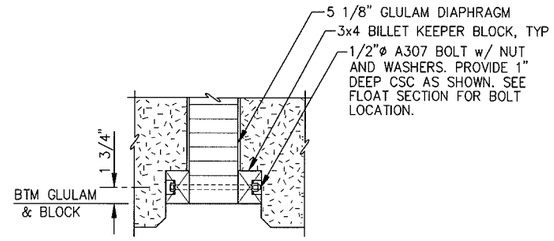
TYPICAL TEE SECTION



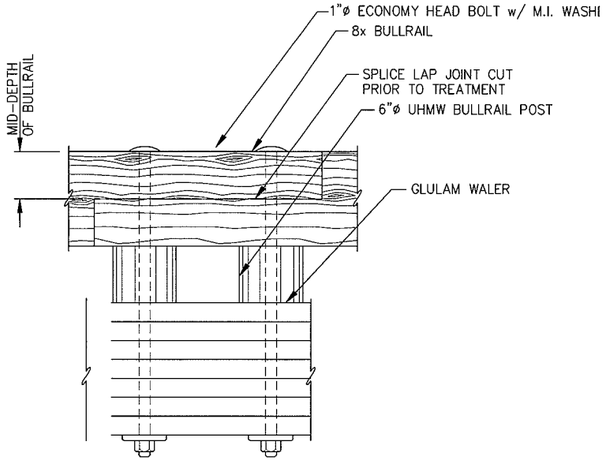
SECTION AT DIAPHRAGM



TYPE 1 BILLET KEEPER - ELEVATION

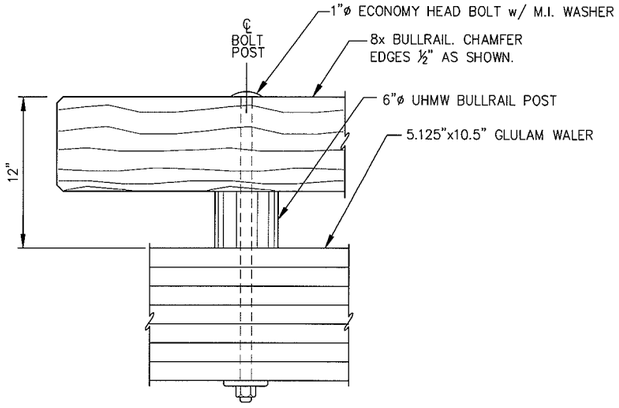


TYPE 2 BILLET KEEPER - ELEVATION



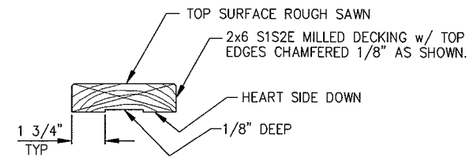
TYPICAL BULLRAIL SPLICE - ELEVATION

NOTE: RUBSTRIP NOT SHOWN FOR CLARITY.



TYPICAL BULLRAIL - ELEVATION

NOTE: RUBSTRIP NOT SHOWN FOR CLARITY.



TYPICAL DECK PLANK

NOTE: SEE SPECIFICATIONS FOR DECKING REQMT'S

REVISIONS

REV.	DATE	DESCRIPTION	DWN.	CKD.	APP.

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Phone: 907-586-2093
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www.pnd-anc.com

DESIGN: JLD/AWS CHECKED: CRS
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SCALE: AS SHOWN
DATE: 10/30/07

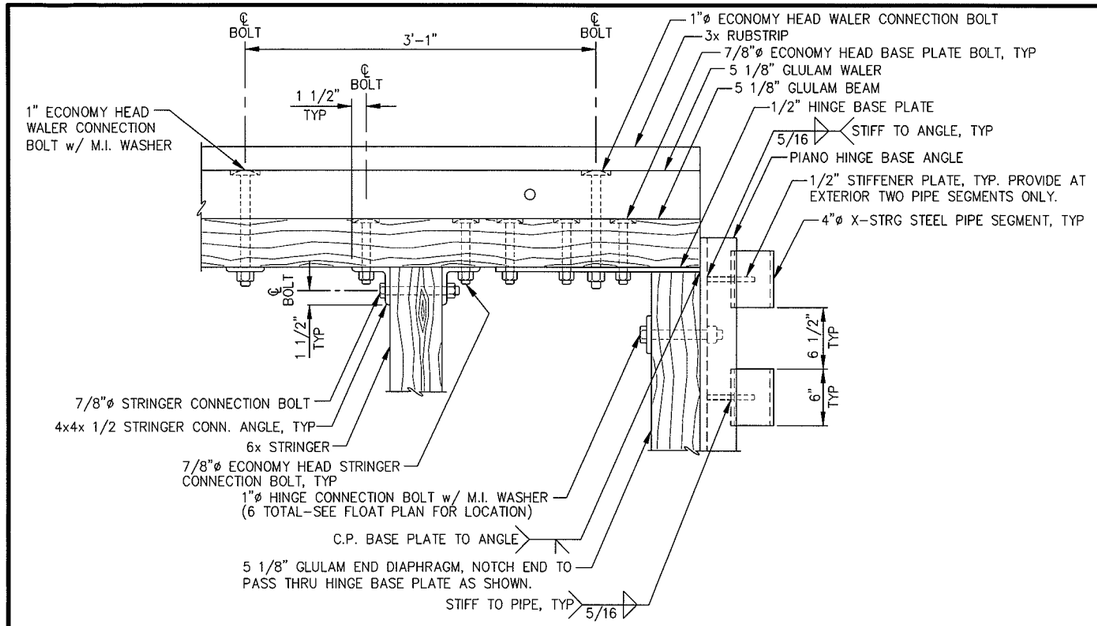
STATE OF ALASKA — Charles R. Somerville — CE-8845 — REGISTERED PROFESSIONAL ENGINEER

CITY OF PELICAN, ALASKA
PELICAN HARBOR TEE FLOATS

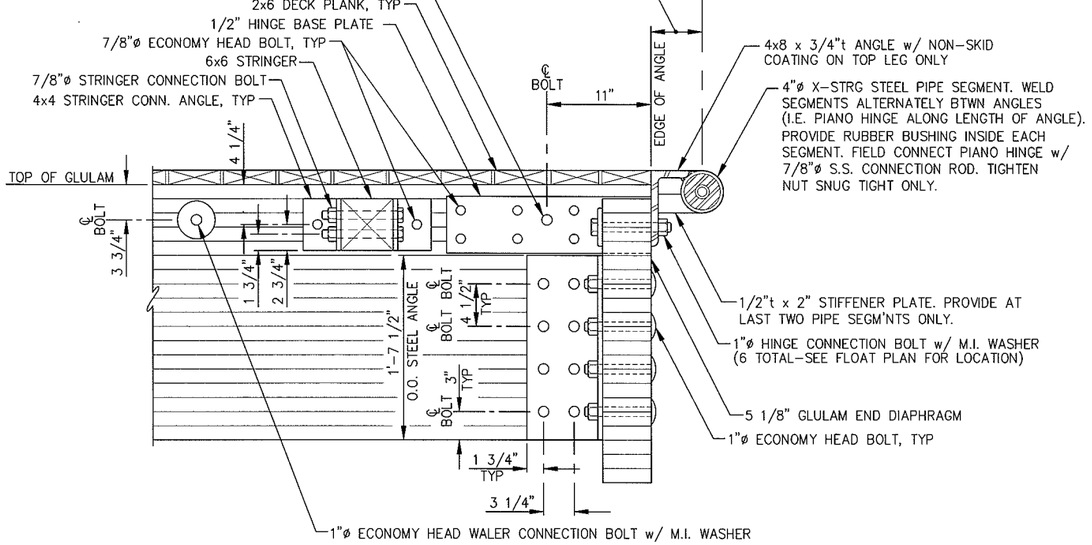
SHEET TITLE: TEE FLOAT UNIT DETAILS

PND PROJECT NO.: 072011.01 DWG. FILE:

2.05
SHEET 9 OF 14

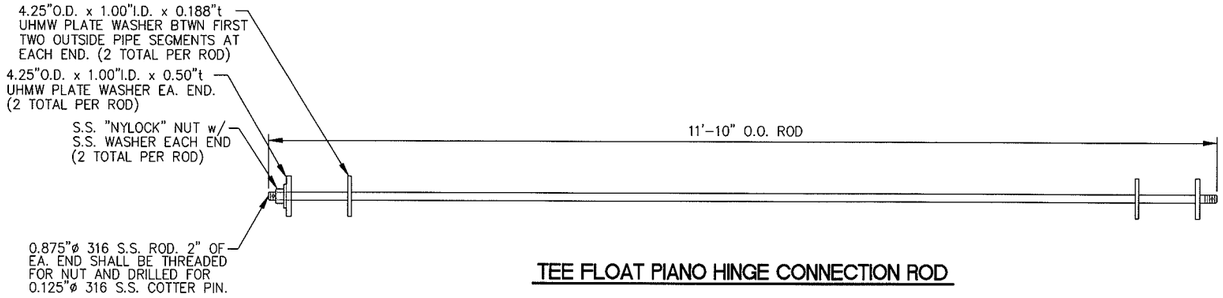


PIANO HINGE CONNECTION - PLAN

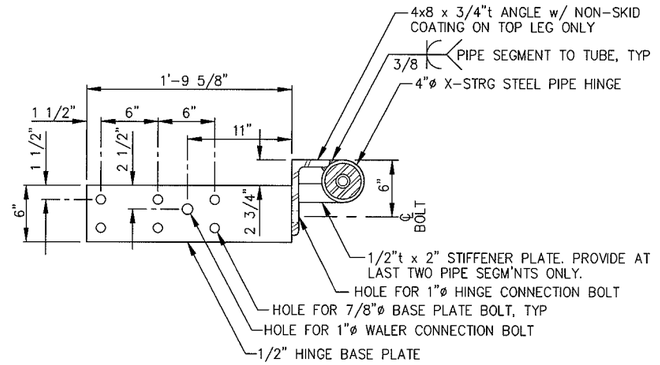


PIANO HINGE CONNECTION - ELEVATION

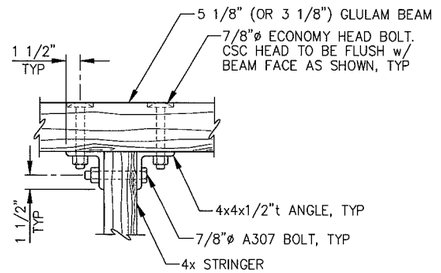
NOTE: FLOTATION BILLET NOT SHOWN FOR CLARITY.



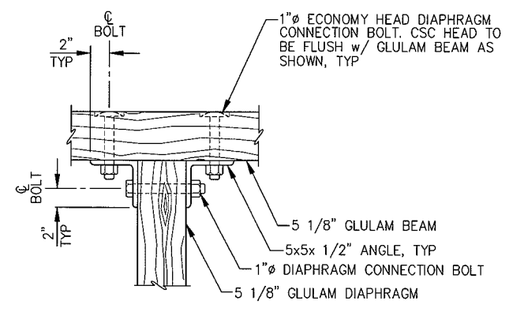
TEE FLOAT PIANO HINGE CONNECTION ROD



PIANO HINGE WELDMENT - SECTION



TYPICAL STRINGER CONNECTION - PLAN



DIAPHRAGM CONNECTION - PLAN

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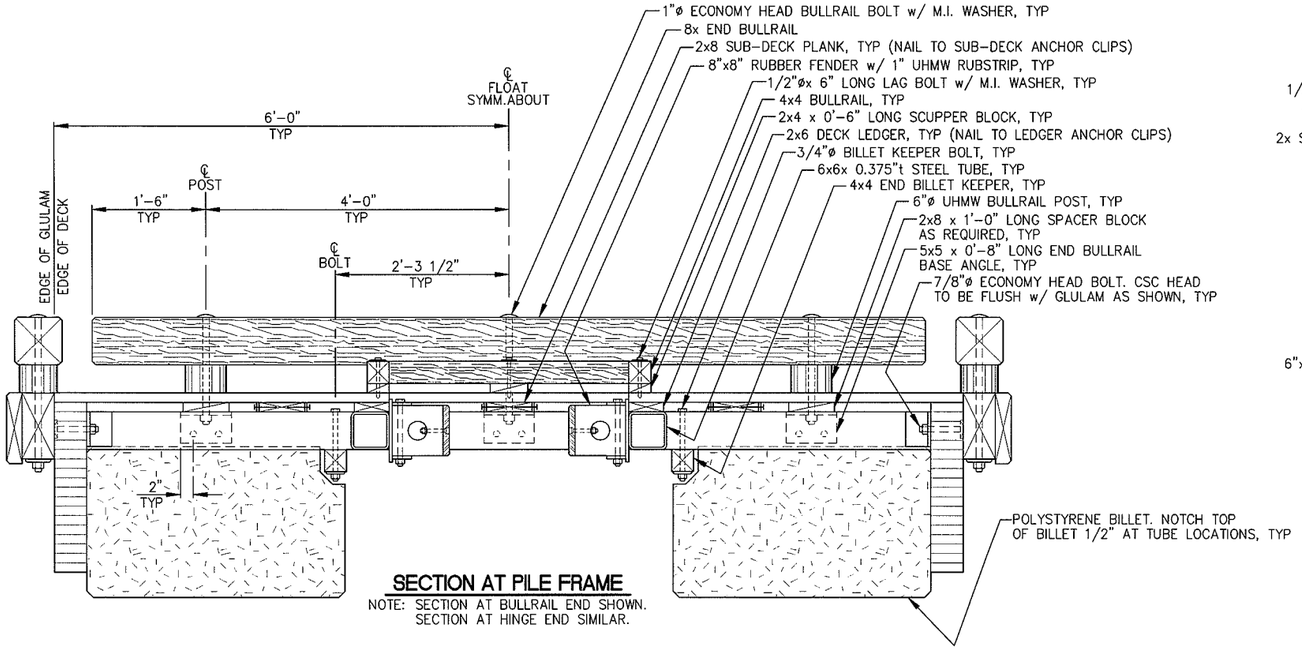
STATE OF ALASKA — Charles R. Somerville — CE-8845 — REGISTERED PROFESSIONAL ENGINEER

CITY OF PELICAN, ALASKA
PELICAN HARBOR TEE FLOATS

SHEET TITLE: TEE FLOAT DETAILS

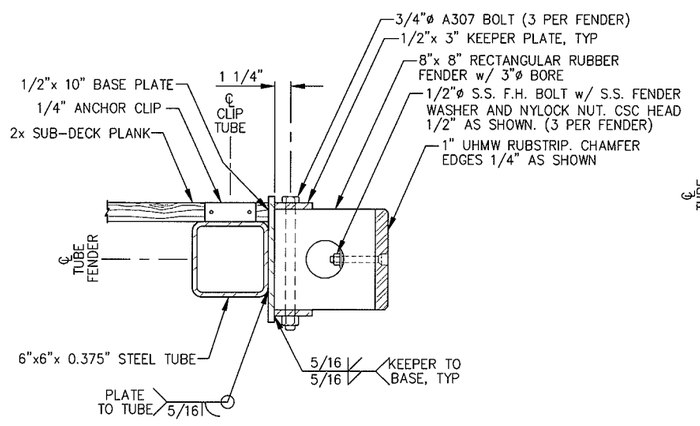
PND PROJECT NO. 072011.01 | DWG. FILE:

2.06
SHEET 9 OF 14

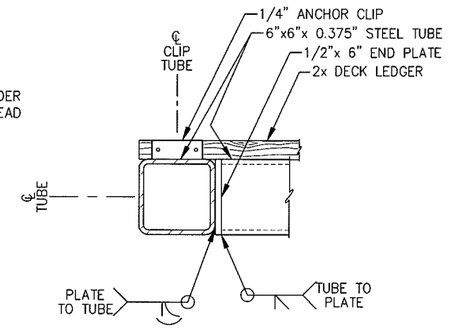


SECTION AT PILE FRAME

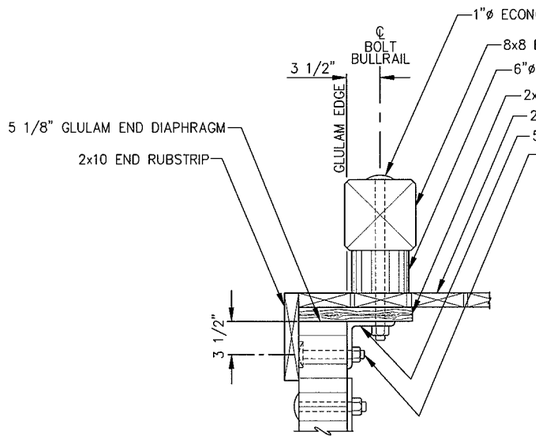
NOTE: SECTION AT BULLRAIL END SHOWN. SECTION AT HINGE END SIMILAR.



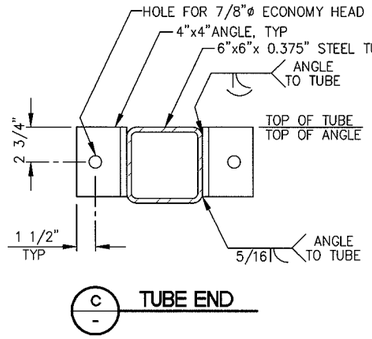
A TYPICAL FENDER SECTION



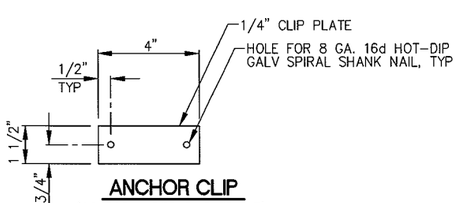
B TUBE INTERSECTION



SECTION AT END BULLRAIL

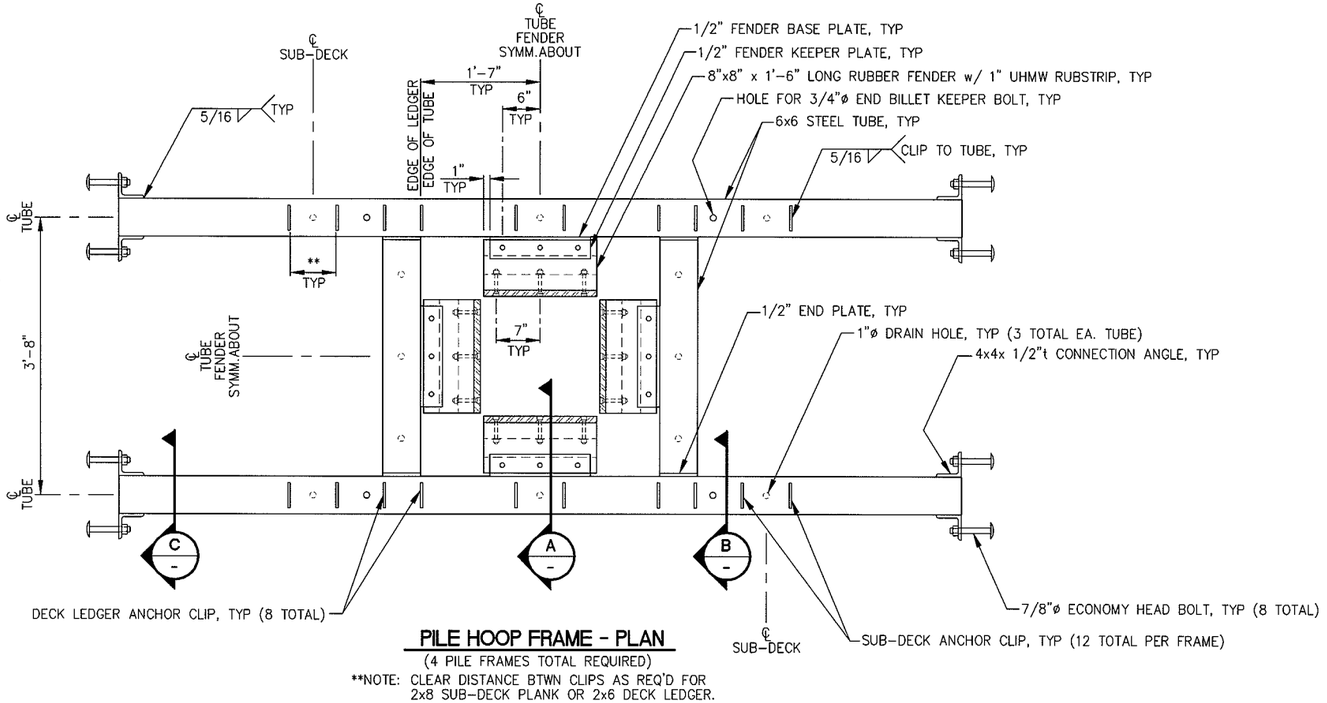


C TUBE END



ANCHOR CLIP

(20 TOTAL PER PILE FRAME)



PILE HOOP FRAME - PLAN

(4 PILE FRAMES TOTAL REQUIRED)

**NOTE: CLEAR DISTANCE BTWN CLIPS AS REQ'D FOR 2x8 SUB-DECK PLANK OR 2x6 DECK LEDGER.

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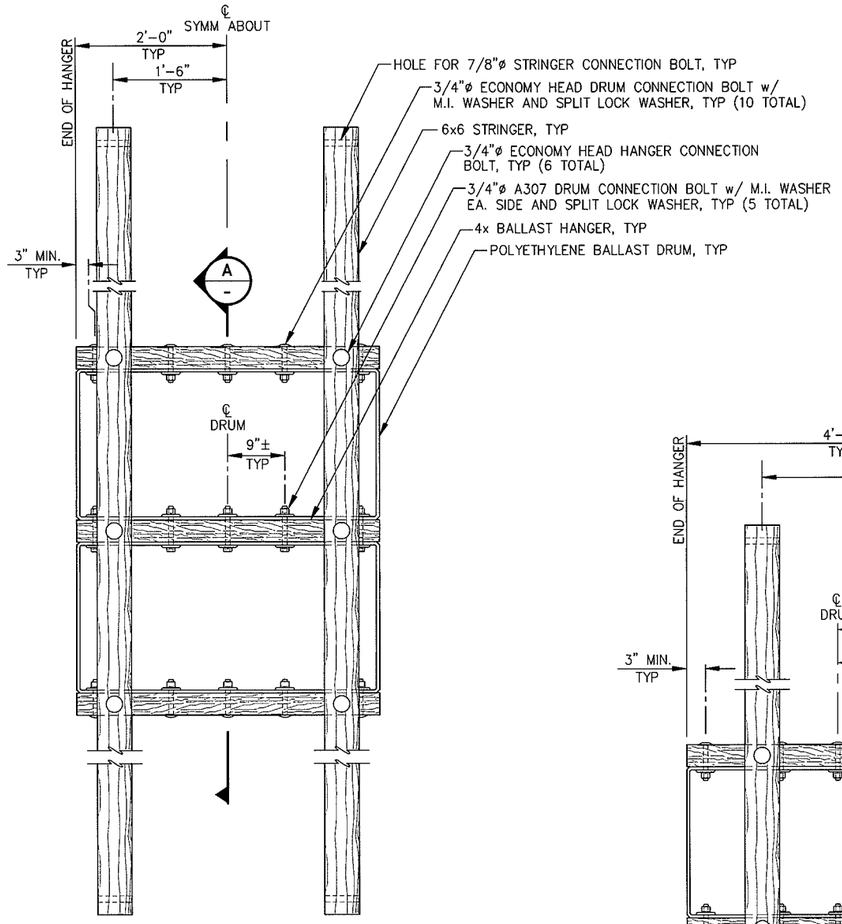
STATE OF ALASKA — Charles R. Somerville — CE-8845 — REGISTERED PROFESSIONAL ENGINEER

CITY OF PELICAN, ALASKA
PELICAN HARBOR TEE FLOATS

SHEET TITLE: **TEE FLOAT DETAILS**

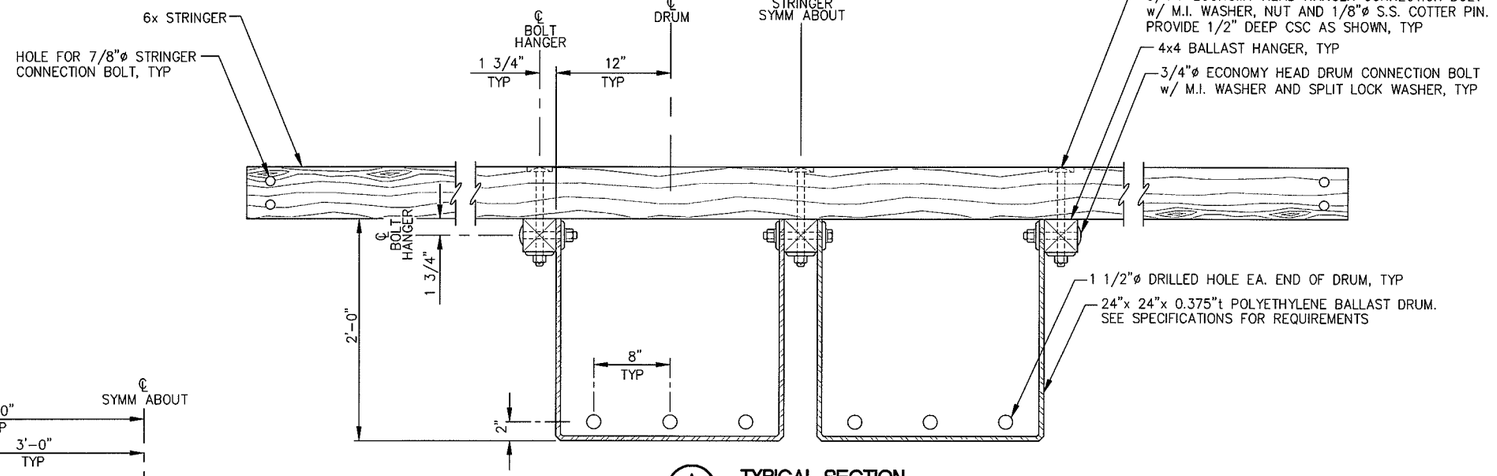
PND PROJECT NO.: 072011.01 DWG. FILE:

2.07
SHEET 11 OF 14

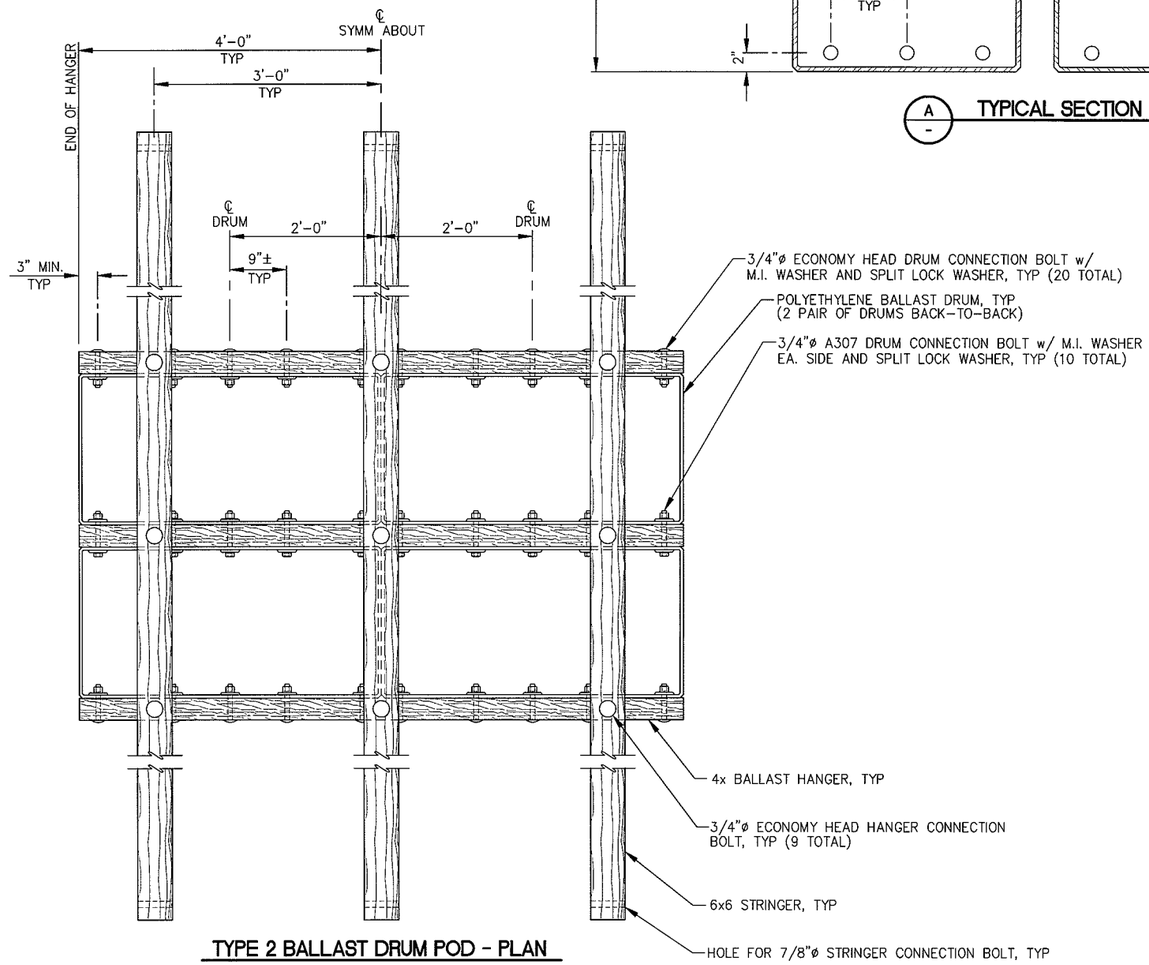


TYPE 1 BALLAST DRUM POD - PLAN

(2)-TYPE 1 BALLAST DRUM PODS REQUIRED FOR CENTER TEE FLOAT UNIT



A - TYPICAL SECTION



TYPE 2 BALLAST DRUM POD - PLAN

REVISIONS

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SCALE: AS SHOWN

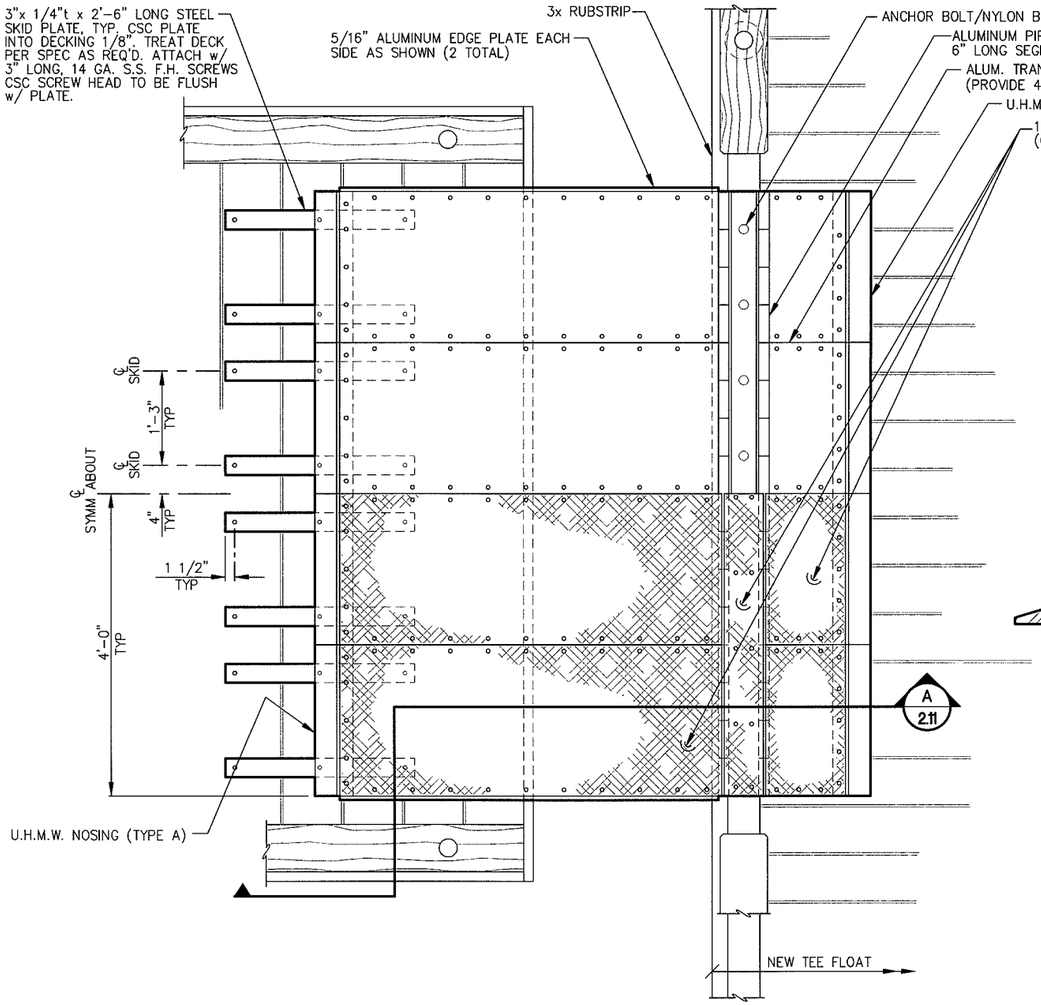
STATE OF ALASKA — JAMES L. HOLLOWAY — Charles R. Somerville CE-8845 — REGISTERED PROFESSIONAL ENGINEER
DATE: 10/30/07

CITY OF PELICAN, ALASKA
PELICAN HARBOR TEE FLOATS

SHEET TITLE: **TEE FLOAT DETAILS**

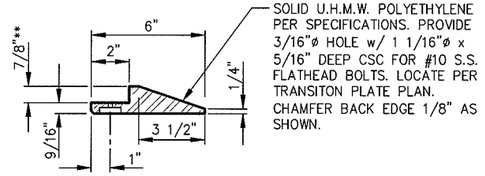
PND PROJECT NO.: 072011.01 DWG. FILE:

2.08
SHEET 12 OF 14



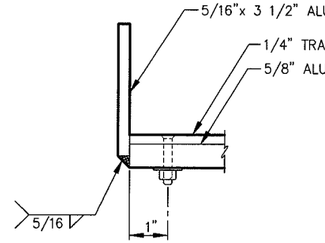
TRANSITION PLATE - PLAN

NOTE: PROVIDE 4 EQUAL SEGMENTS EACH SIDE OF HINGE AS SHOWN.

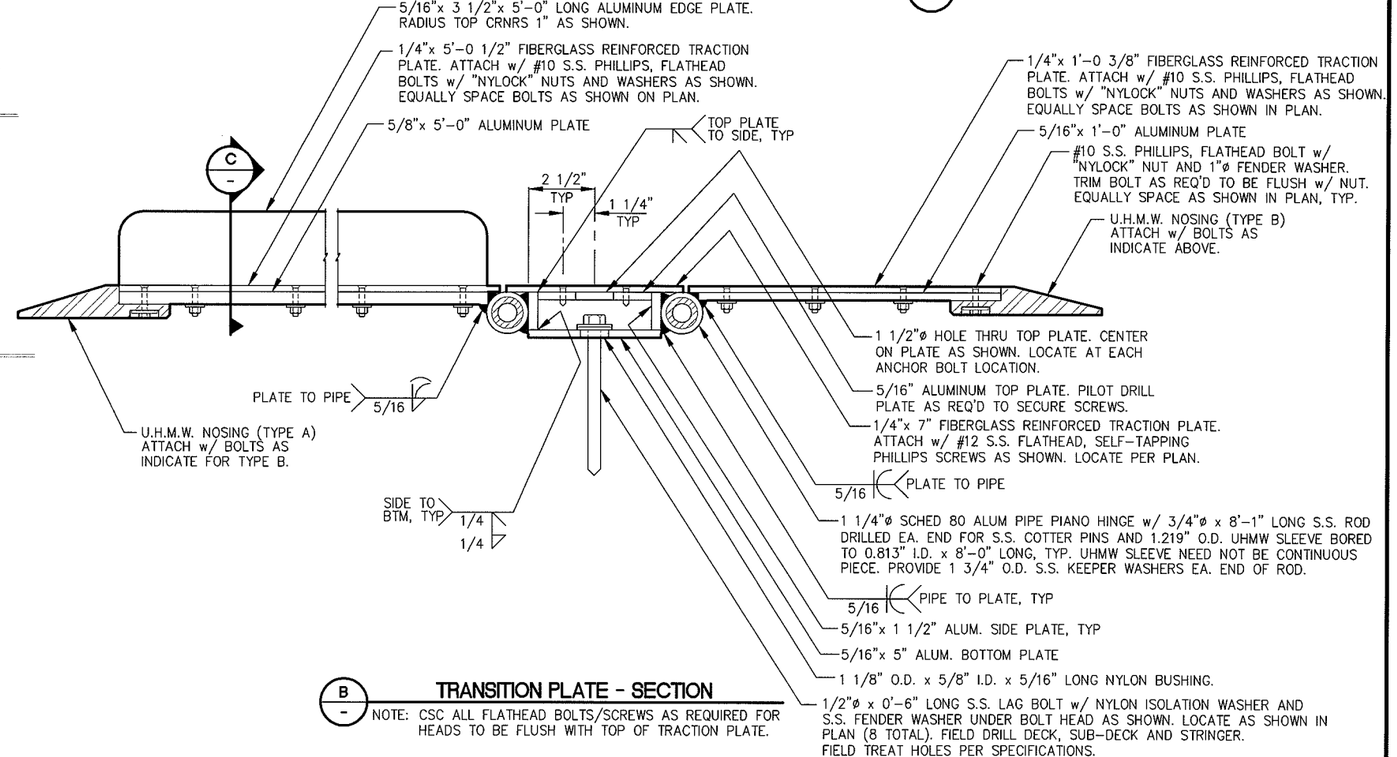


UHMW NOSING

(TYPE A SHOWN)
**9/16" FOR TYPE B



C - EDGE PLATE - SECTION



B - TRANSITION PLATE - SECTION

NOTE: CSC ALL FLATHEAD BOLTS/SCREWS AS REQUIRED FOR HEADS TO BE FLUSH WITH TOP OF TRACTION PLATE.

REVISIONS

REV.	DATE	DESCRIPTION	DWN.	CKD.	APP.

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SCALE: AS SHOWN
DATE: 10/30/07

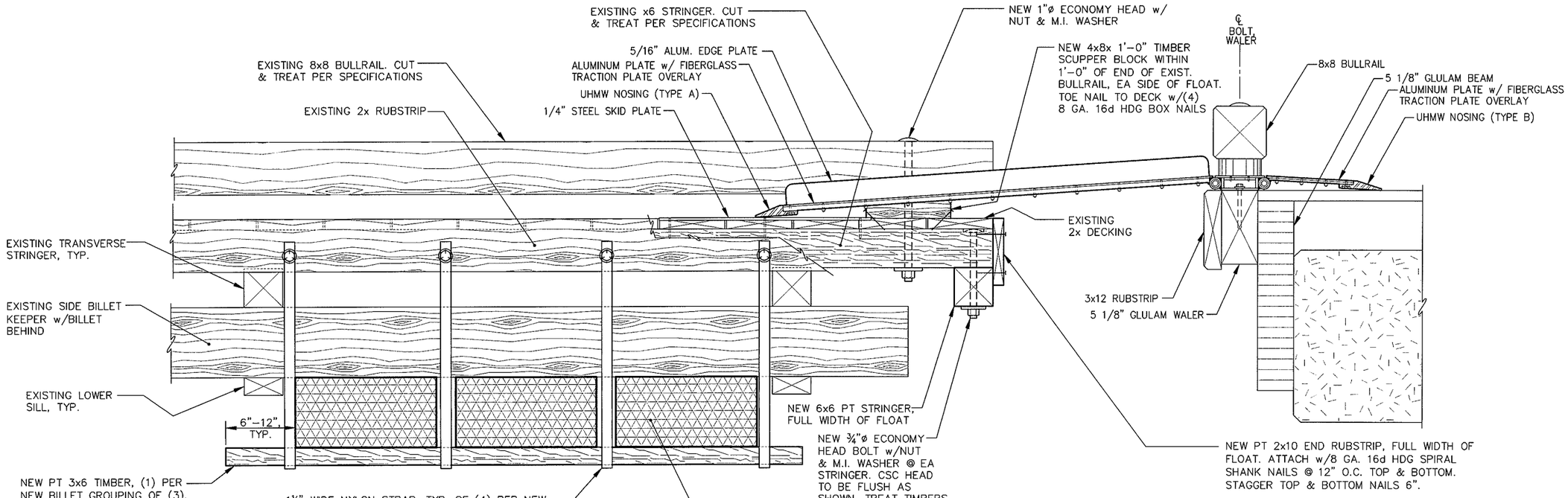
STATE OF ALASKA — 49th — Charles R. Somerville CE-8845 — REGISTERED PROFESSIONAL ENGINEER

CITY OF PELICAN, ALASKA
PELICAN HARBOR TEE FLOATS

SHEET TITLE: **TRANSITION PLATE DETAILS**

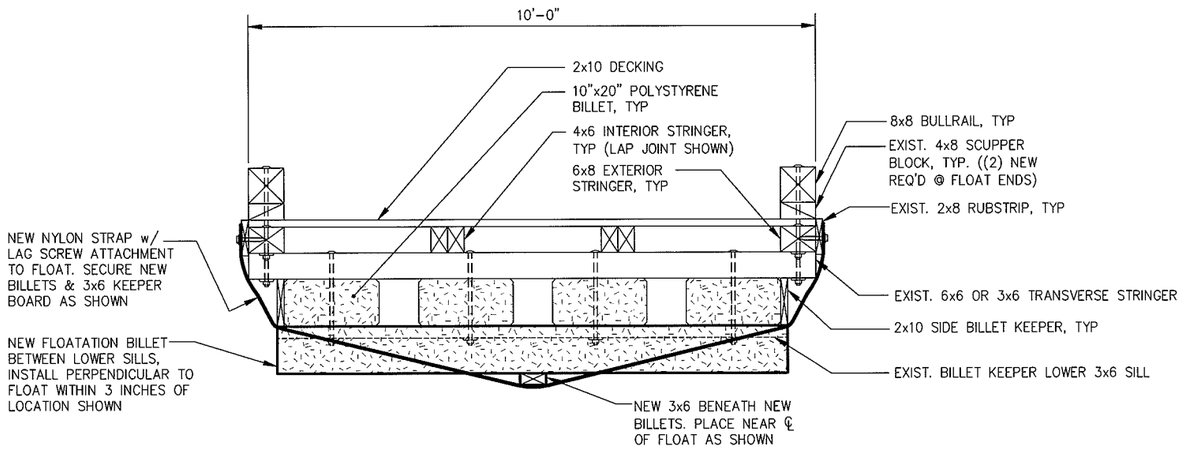
PND PROJECT NO.: 072011.01 DWG. FILE:

2.09
SHEET 13 OF 14



NOTES: 1. ADDITIONAL BILLETS MAY BE REQUIRED @ ADDITIONAL LOCATIONS. FINAL QUANTITY & INSTALLATION LOCATIONS PER ENGINEER DIRECTION
2. TREAT ALL FIELD CUTS AND DRILLED HOLES IN TIMBER PER AWPA M–4

A 2.09 **TRANSITION PLATE AND BILLET INSTALLATION ELEVATION**



BILLET INSTALLATION AND EXISTING FLOAT SECTION

REVISIONS

REV.	DATE	DESCRIPTION	DWN.	CKD.	APP.

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DRAWN: AWS APPROVED: CRS
SCALE: AS SHOWN
DATE: 10/30/07

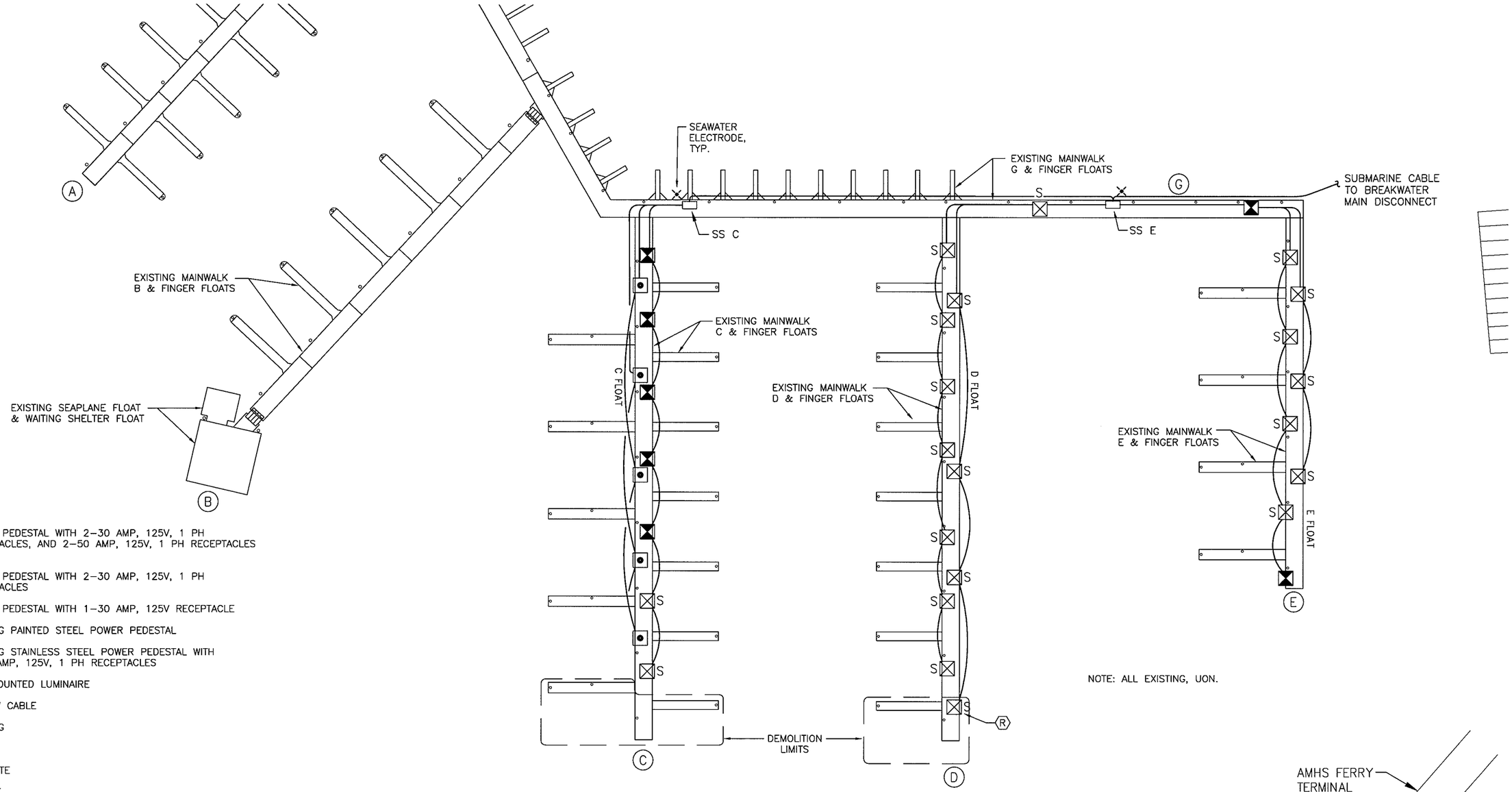
STATE OF ALASKA — James R. Somerville — CE-8845 — REGISTERED PROFESSIONAL ENGINEER

CITY OF PELICAN, ALASKA
PELICAN HARBOR TEE FLOATS

SHEET TITLE:
TRANSITION PLATE AND END FLOAT MODIFICATION DETAILS

PND PROJECT NO.: 072011.01 DWG. FILE:

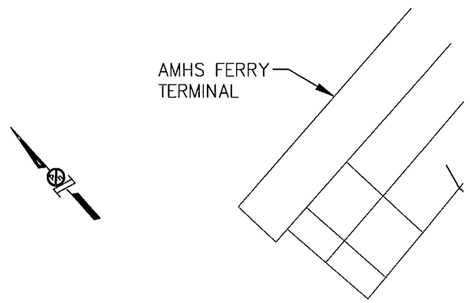
2.10
SHEET 14 OF 14



LEGEND

- POWER PEDESTAL WITH 2–30 AMP, 125V, 1 PH RECEPTACLES, AND 2–50 AMP, 125V, 1 PH RECEPTACLES
- POWER PEDESTAL WITH 2–30 AMP, 125V, 1 PH RECEPTACLES
- POWER PEDESTAL WITH 1–30 AMP, 125V RECEPTACLE
- P — EXISTING PAINTED STEEL POWER PEDESTAL
- S — EXISTING STAINLESS STEEL POWER PEDESTAL WITH 2–30 AMP, 125V, 1 PH RECEPTACLES
- PILE MOUNTED LUMINAIRE
- TYPE W CABLE
- (E) EXISTING
- (N) NEW
- (R) RELOCATE
- (X) REMOVE
- SS SUBSTATION
- EXTG EXISTING
- XFMR TRANSFORMER
- UON UNLESS OTHERWISE NOTED
- GROUND BUS
- GROUND ROD
- F DISCONNECT

NOTE: ALL EXISTING, UON.



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

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DESIGN: BJB CHECKED: BCH
DRAWN: PEL APPROVED:
SCALE: SCALE IN FEET 0 30 60 FT.
DATE: 10/30/07

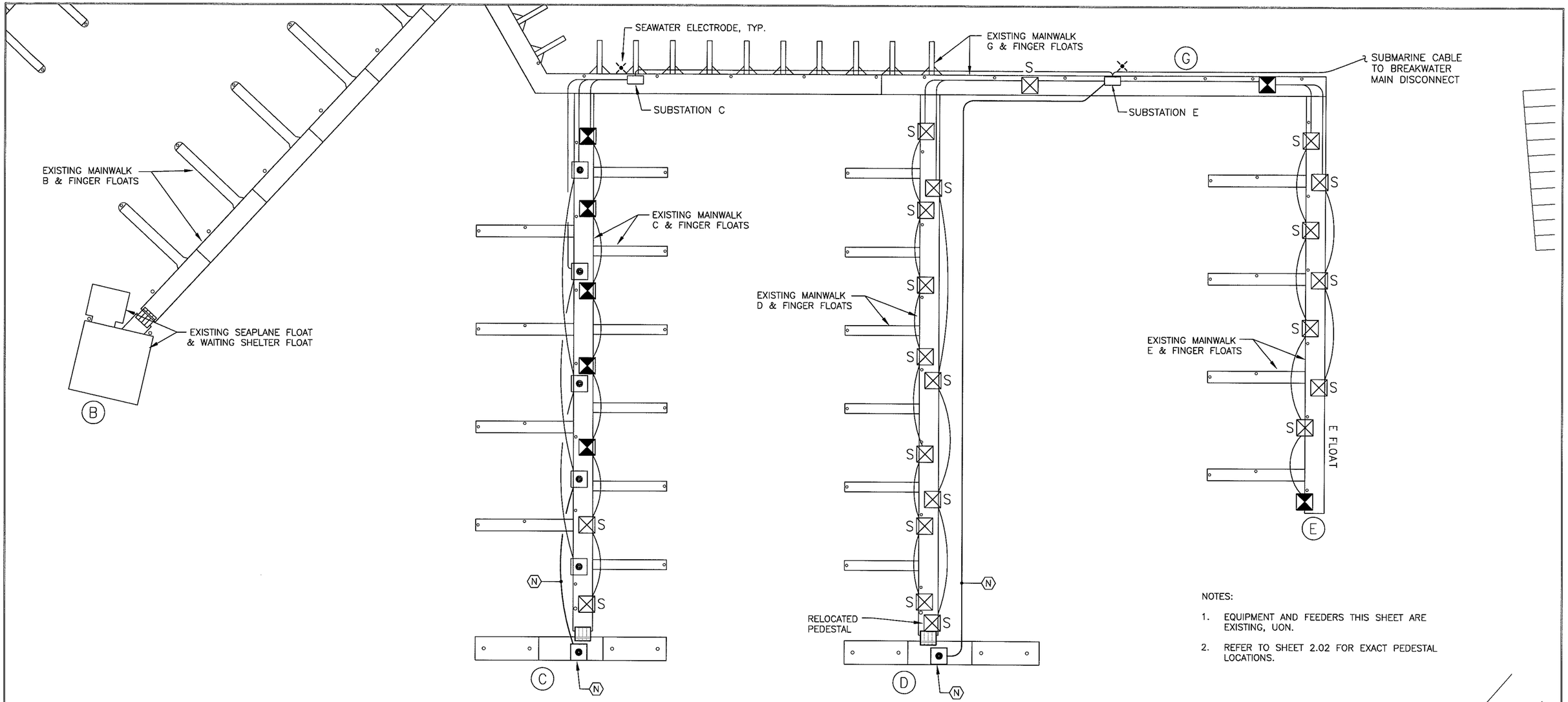
STATE OF ALASKA 49th BRIAN C. HAIGHT EE 14300 REGISTERED PROFESSIONAL ENGINEER

CITY OF PELICAN, ALASKA
PELICAN HARBOR TEE FLOATS

SHEET TITLE:
FLOAT DEMOLITION PLAN

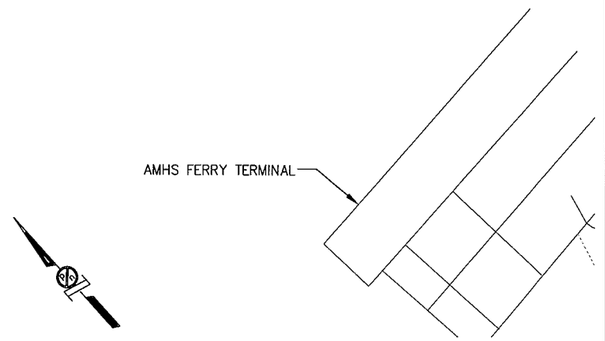
PND PROJECT NO.: 072011.01 DWG. FILE: 63E1.dwg

1.01
SHEET E1 OF 6



NOTES:

1. EQUIPMENT AND FEEDERS THIS SHEET ARE EXISTING, UON.
2. REFER TO SHEET 2.02 FOR EXACT PEDESTAL LOCATIONS.



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DESIGN: BJB CHECKED: BCH
DRAWN: PEL APPROVED:
SCALE: SCALE IN FEET 0 25 50 FT.
DATE: 10/30/07

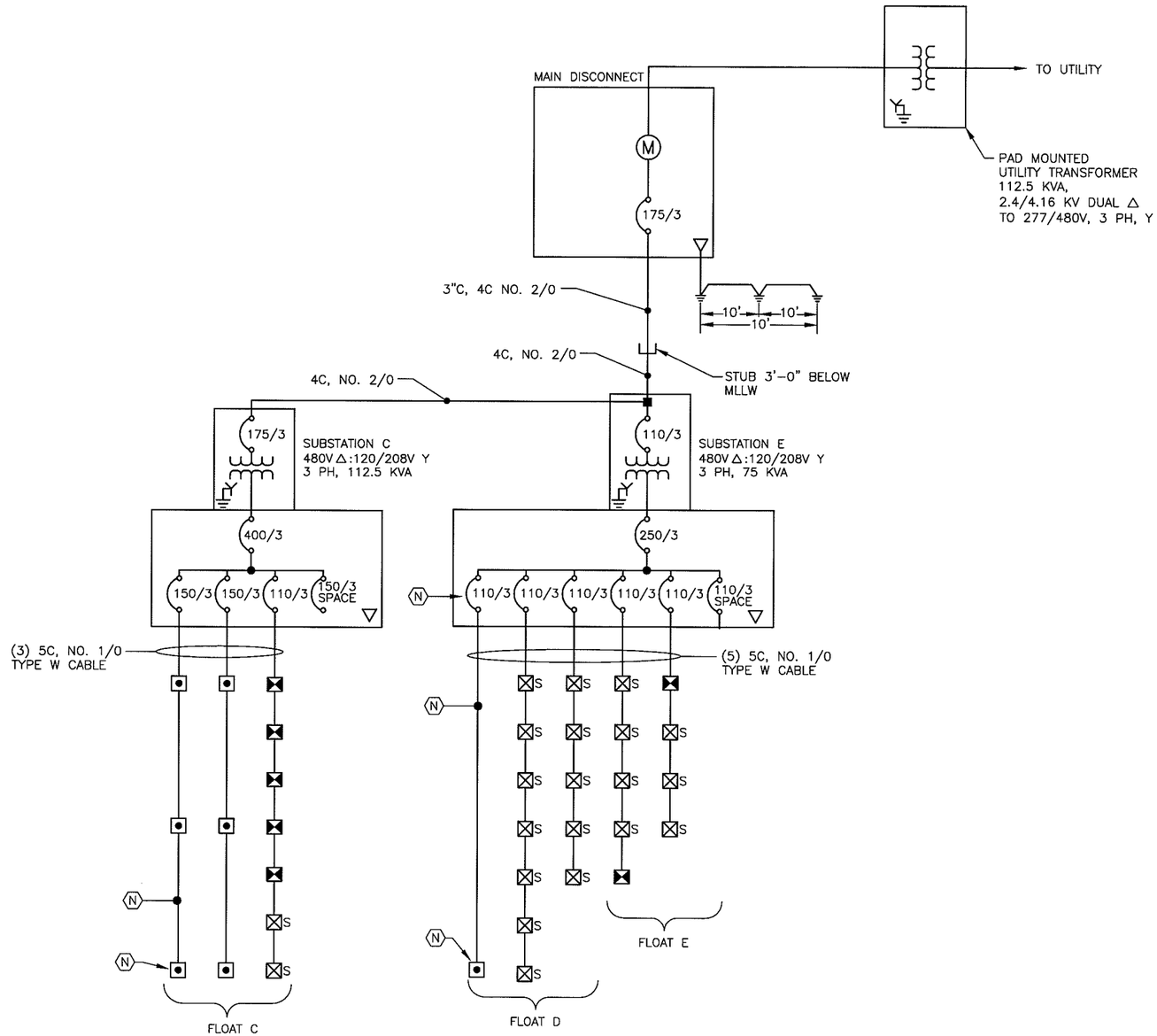
STATE OF ALASKA — 49th — B.C. HAIGHT EE 9800 — REGISTERED PROFESSIONAL ENGINEER

CITY OF PELICAN, ALASKA
PELICAN HARBOR TEE FLOATS

SHEET TITLE: **FLOAT POWER PLAN**

PND PROJECT NO. 072011.01 DWG. FILE: 63E2.dwg

1.02
SHEET E2 OF 6



NOTES:

1. EQUIPMENT AND FEEDERS THIS SHEET ARE EXISTING, UON.

SINGLE LINE DIAGRAM – BREAKWATER SERVICE

NO SCALE

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DRAWN: PEL APPROVED:
SCALE:
DATE: 10/30/07

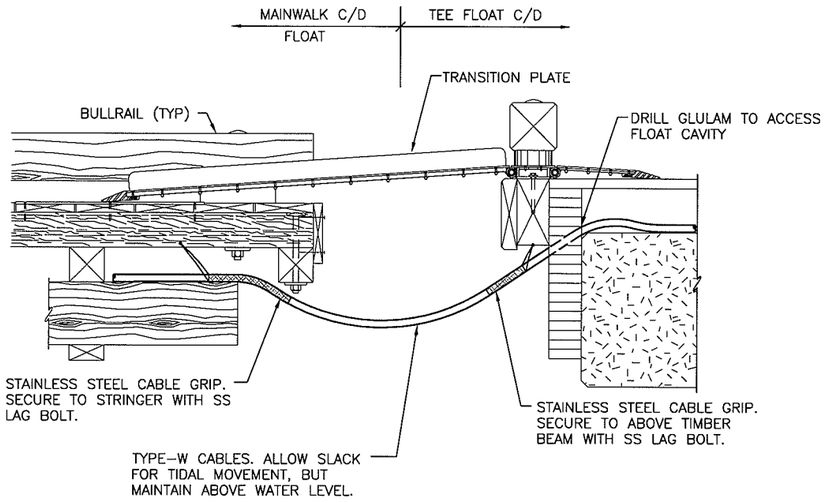
STATE OF ALASKA
B.C. HAIGHT
EE 4900
REGISTERED PROFESSIONAL ENGINEER

CITY OF PELICAN, ALASKA
PELICAN HARBOR TEE FLOATS

SHEET TITLE: SINGLE LINE DIAGRAM

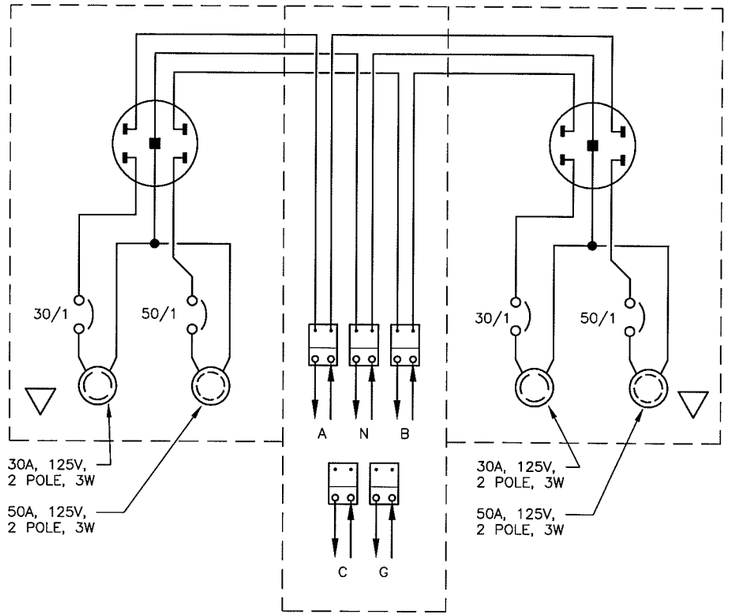
PND PROJECT NO.: 072011.01 DWG. FILE: 63E3.dwg

1.03
SHEET E3 OF 6



DETAIL – TEE FLOAT CABLE TRANSITION

NO SCALE



PEDESTAL WIRING DIAGRAM – 120 VOLT PEDESTAL

NO SCALE

NOTES:

1. PEDESTAL SHALL BE MARINA POWER AND LIGHTING TO MATCH EXISTING.
2. COORDINATE PHASE SELECTION FOR PEDESTAL CONNECTION WITH THE ENGINEER.

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9360 Glacier Highway Ste 100
Juneau, Alaska 99801
Phone: 907-586-2093
Fax: 907-586-2099
www.pnd-anc.com

DESIGN: BJB CHECKED: BCH
DRAWN: PEL APPROVED:
SCALE:
DATE: 10/30/07

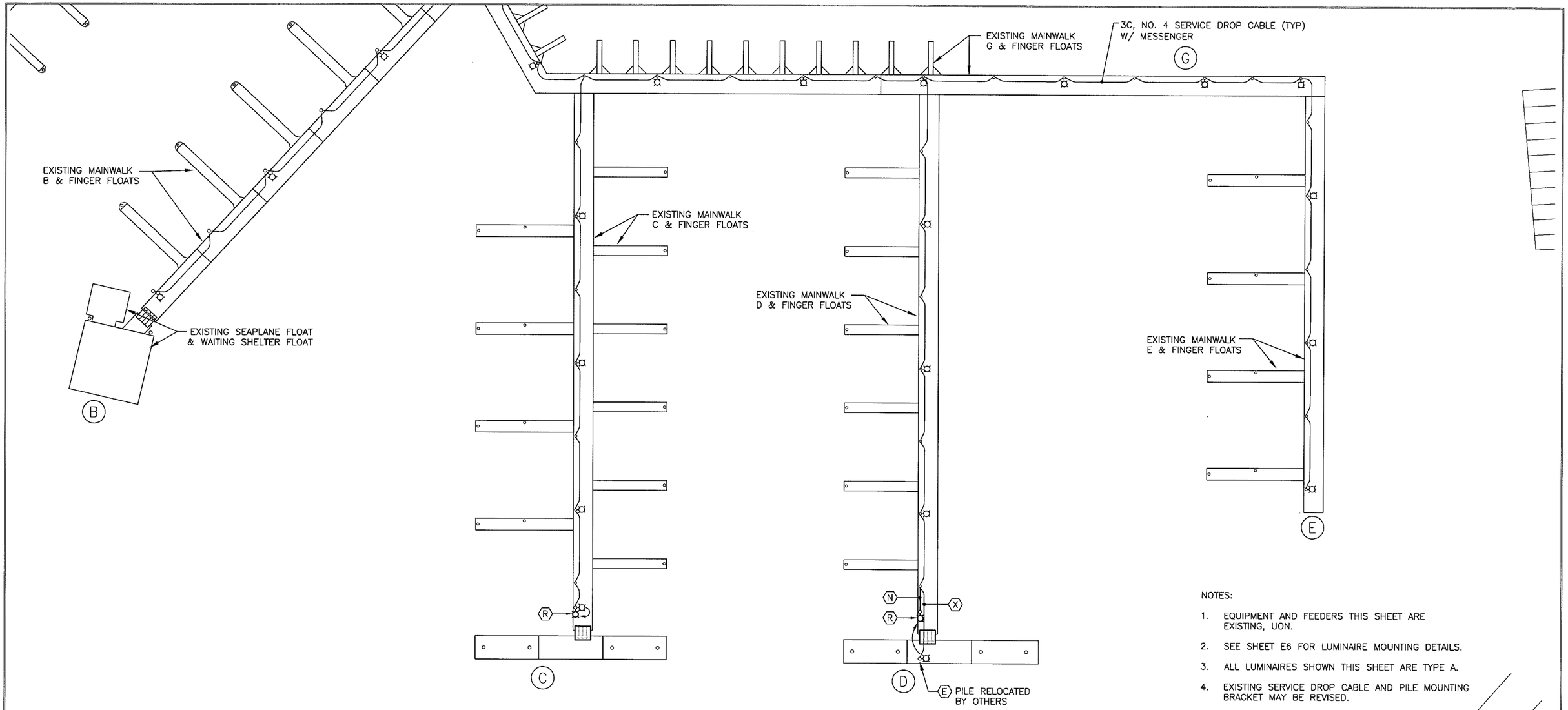
STATE OF ALASKA
B.C. HAIGHT
EE 4800
REGISTERED PROFESSIONAL ENGINEER

CITY OF PELICAN, ALASKA
PELICAN HARBOR TEE FLOATS

SHEET TITLE: DETAILS

PND PROJECT NO.: 072011.01 DWG. FILE: 63E4.dwg

1.04
SHEET E4 OF 6

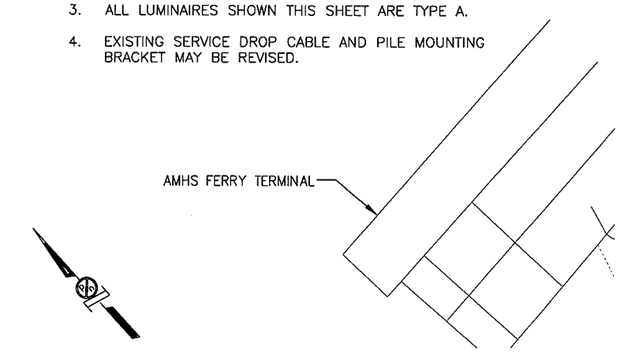


LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	LAMPS	REMARKS
A	PILING MOUNTED HID CUT-OFF w/ TYPE III DISTRIBUTION, & POLYCARBONATE CLEAR GLOBE, 1 LAMP	GENERAL ELECTRIC M2AC-100-S-1-H-1-L-MC3	(1) 100W HPS 2100K, CRI 60	

NOTES:

1. EQUIPMENT AND FEEDERS THIS SHEET ARE EXISTING, UON.
2. SEE SHEET E6 FOR LUMINAIRE MOUNTING DETAILS.
3. ALL LUMINAIRES SHOWN THIS SHEET ARE TYPE A.
4. EXISTING SERVICE DROP CABLE AND PILE MOUNTING BRACKET MAY BE REVISED.



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

REVISIONS

REV.	DATE	DESCRIPTION	DWN.	CKD.	APP.

PND ENGINEERS, INC.
9360 Glacier Highway Ste 100
Juneau, Alaska 99801
Phone: 907-586-2093
Fax: 907-586-2099
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DESIGN: BJB CHECKED: BCH
DRAWN: PEL APPROVED:
SCALE: SCALE IN FEET 0 25 50 FT.
DATE: 10/30/07

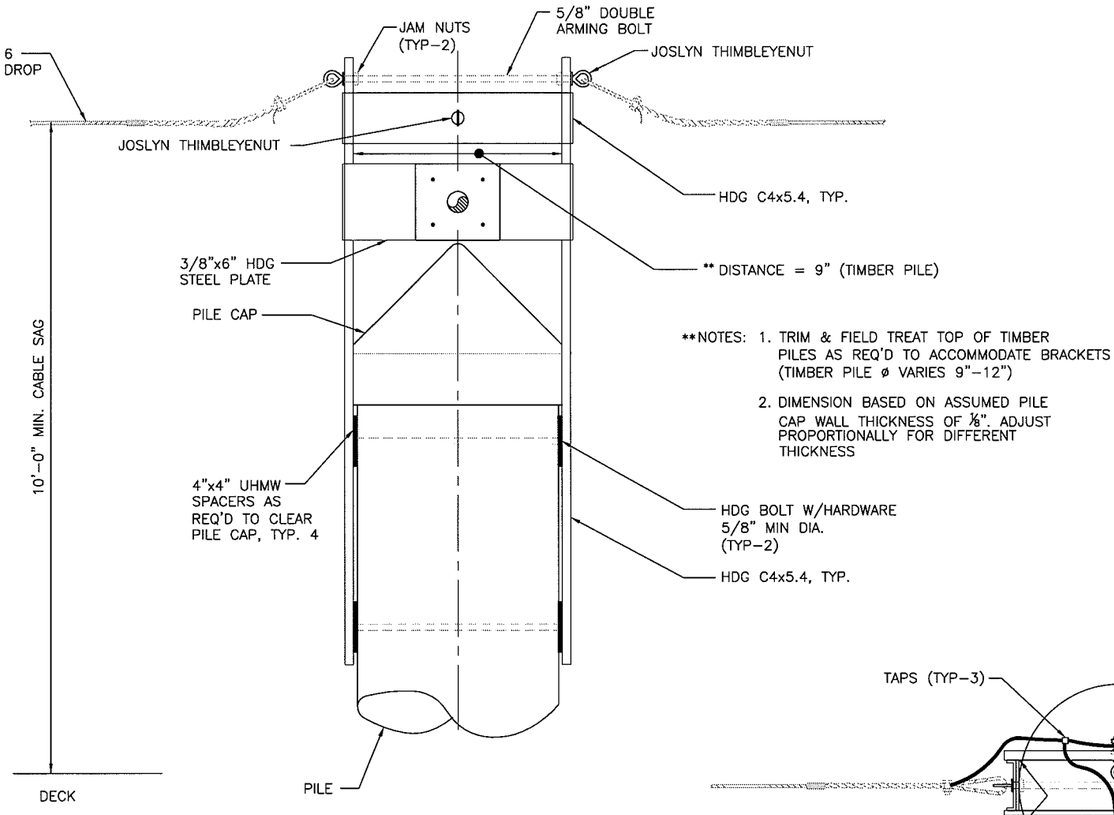
STATE OF ALASKA — B.C. HAIGHT — EE 4800 — REGISTERED PROFESSIONAL ENGINEER

CITY OF PELICAN, ALASKA
PELICAN HARBOR TEE FLOATS

SHEET TITLE: FLOAT LIGHTING PLAN

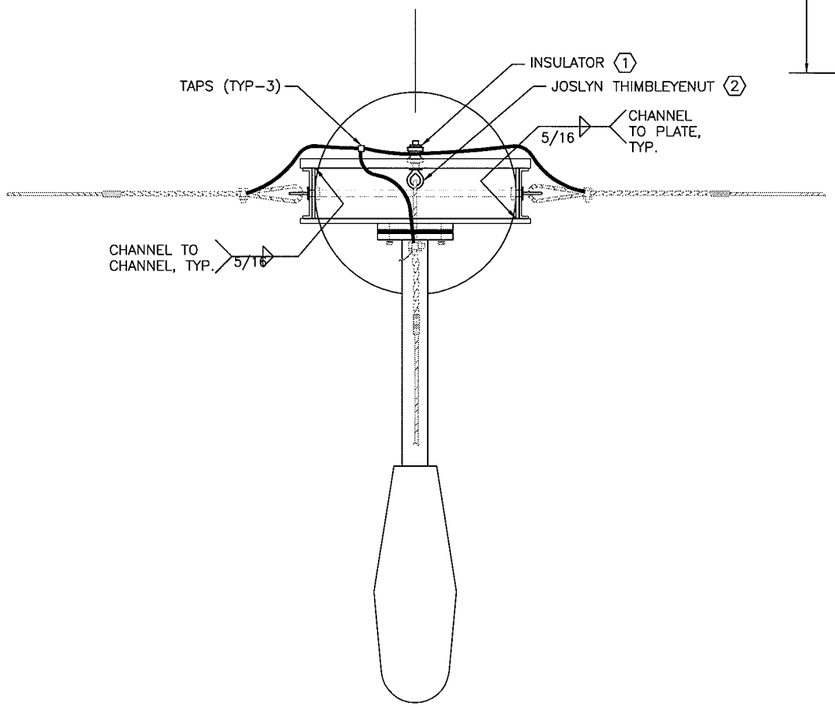
PND PROJECT NO. 072011.01 DWG. FILE 63E2.dwg

1.05 SHEET E5 OF 6

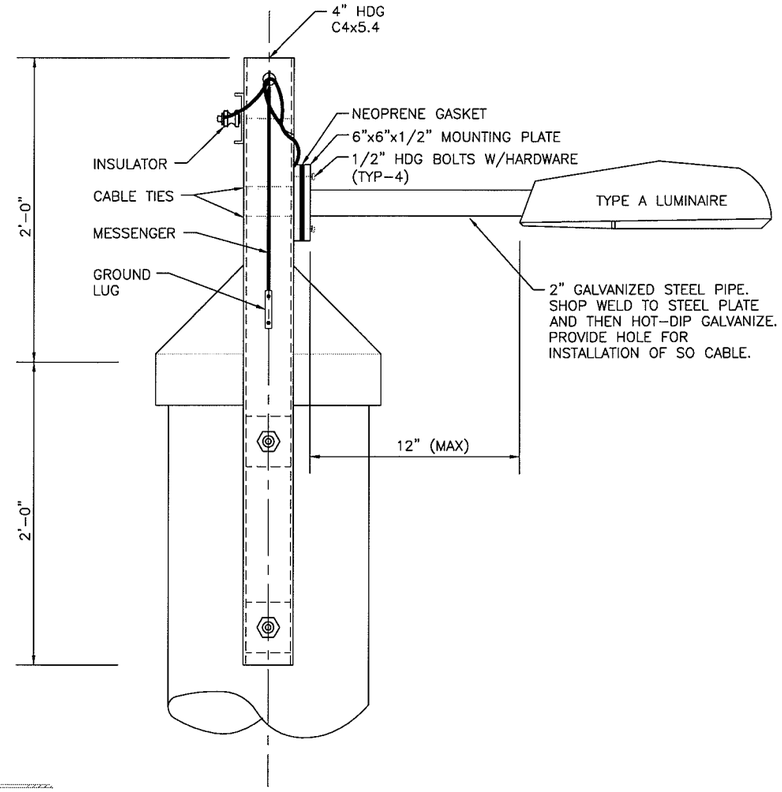


**NOTES:
1. TRIM & FIELD TREAT TOP OF TIMBER PILES AS REQ'D TO ACCOMMODATE BRACKETS (TIMBER PILE ø VARIES 9"–12")
2. DIMENSION BASED ON ASSUMED PILE CAP WALL THICKNESS OF ⅛". ADJUST PROPORTIONALLY FOR DIFFERENT THICKNESS

FRONT VIEW



TOP VIEW



SIDE VIEW

NOTES:

(1) T-CONFIGURATION SHOWN. OFFSET INSULATOR ACCORDINGLY TO CLEAR FIXTURE.

(2) EYE NUT NOT REQUIRED FOR FEED THROUGH CONFIGURATIONS.

3. ALL STRUCTURAL STEEL & HARDWARE SHALL BE HOT DIPPED GALVANIZED PER ASTM A123 & A153.

4. ALL PENETRATIONS AND CUTS SHALL BE GALVANIZED & FIELD REPAIRED PER 05120.

PILE MOUNTING BRACKET

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REVISIONS

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STATE OF ALASKA — 29th — B.C. HAIGHT — EE 4400 — REGISTERED PROFESSIONAL ENGINEER

CITY OF PELICAN, ALASKA
PELICAN HARBOR TEE FLOATS

SHEET TITLE: DETAILS

PND PROJECT NO.: 072011.01 DWG. FILE: 63E6.dwg

1.06
SHEET E6 OF 6