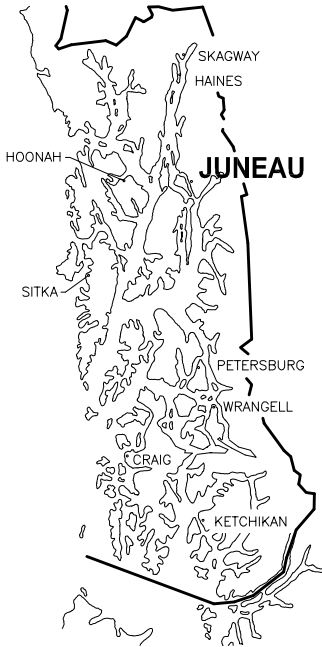
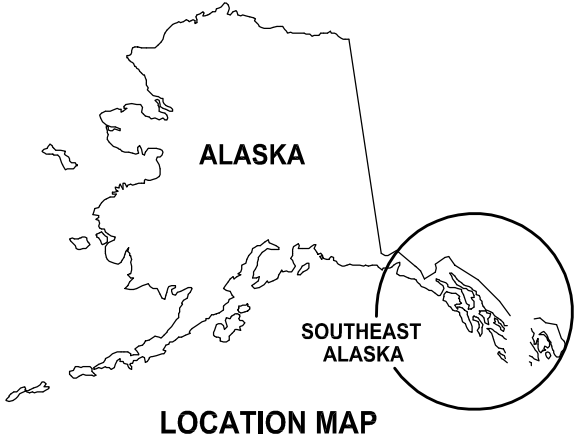
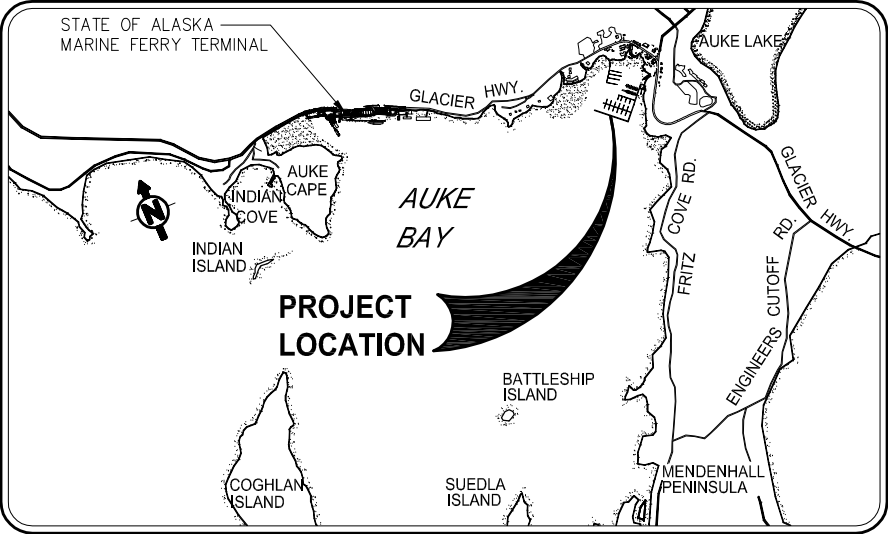


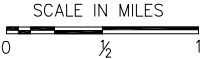
CITY & BOROUGH OF JUNEAU, ALASKA
STATTER HARBOR BREAKWATER SAFETY IMPROVEMENTS
CONTRACT NO. DH18-001



SOUTHEAST
ALASKA



SITE MAP



DRAWING INDEX			
SHEET NO.	DWG. NO.	TITLE	
GENERAL			
1	OF 7	1.01	COVER SHEET, VICINITY MAPS AND DRAWING INDEX
2	OF 7	1.02	EXISTING SITE PLAN
3	OF 7	1.03	BREAKWATER FLOAT PARTIAL PLANS AND TYPICAL SECTION
SAFETY IMPROVEMENTS			
4	OF 7	2.01	LEDGER AND FRAMING PLAN
5	OF 7	2.02	FRAMING DETAILS
TRANSITION BRIDGE			
6	OF 7	3.01	FLOAT TRANSITION BRIDGE
7	OF 7	3.02	FLOAT TRANSITION BRIDGE DETAILS

PROJECT SCHEDULE	
DESCRIPTION	SCHEDULE
1. EARLIEST FIELD START	OCTOBER 1, 2017
2. SUBSTANTIAL COMPLETION	DECEMBER 31, 2017
3. FINAL COMPLETION OF ALL WORK UNDER THIS CONTRACT	JANUARY 31, 2018

TIDAL DATA	ELEV. (FT)
HIGHEST OBSERVED WATER LEVEL	+24.58
MEAN HIGHER HIGH WATER (MHHW)	+16.30
MEAN HIGH WATER (MHW)	+15.34
MEAN SEA LEVEL (MSL)	+8.56
MEAN TIDE LEVEL (MTL)	+8.47
MEAN LOWER WATER (MLW)	+1.60
MEAN LOWER LOW WATER (MLLW)	0.0
LOWEST OBSERVED WATER LEVEL	-6.12

FROM: NOAA NOS/CO-OPS STATION ID: 9452210 JUNEAU, ALASKA

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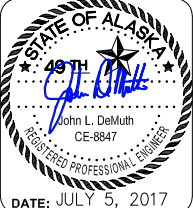
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CHECKED: JLD

SCALE: AS SHOWN

DRAWN: WRB

APPROVED: JLD



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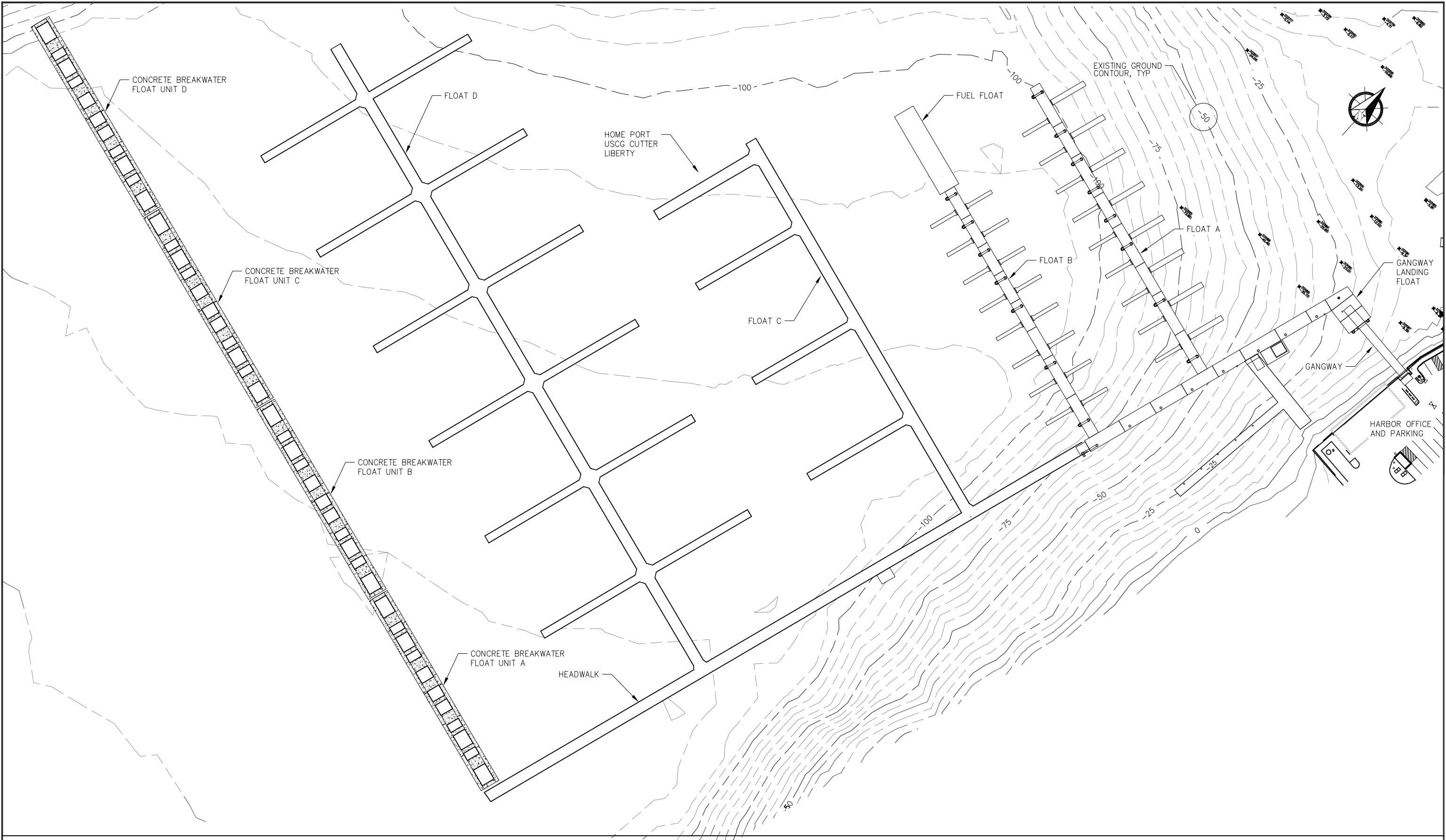
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COVER SHEET, VICINITY MAPS AND DRAWING INDEX

PND PROJECT NO.: 142053

1.01

SHEET 1 OF 7



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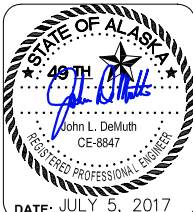
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SCALE: SCALE IN FEET
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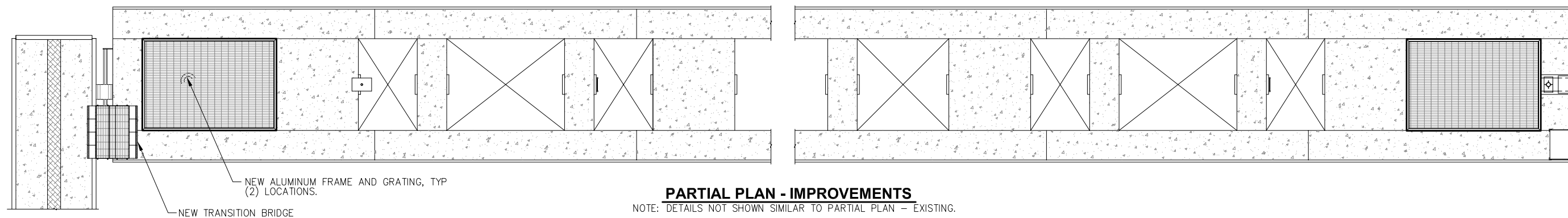
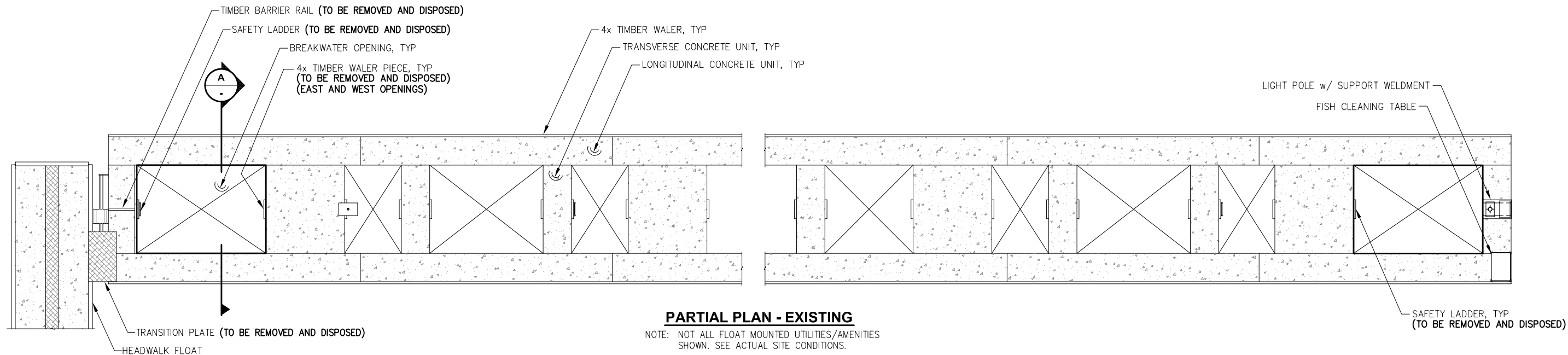


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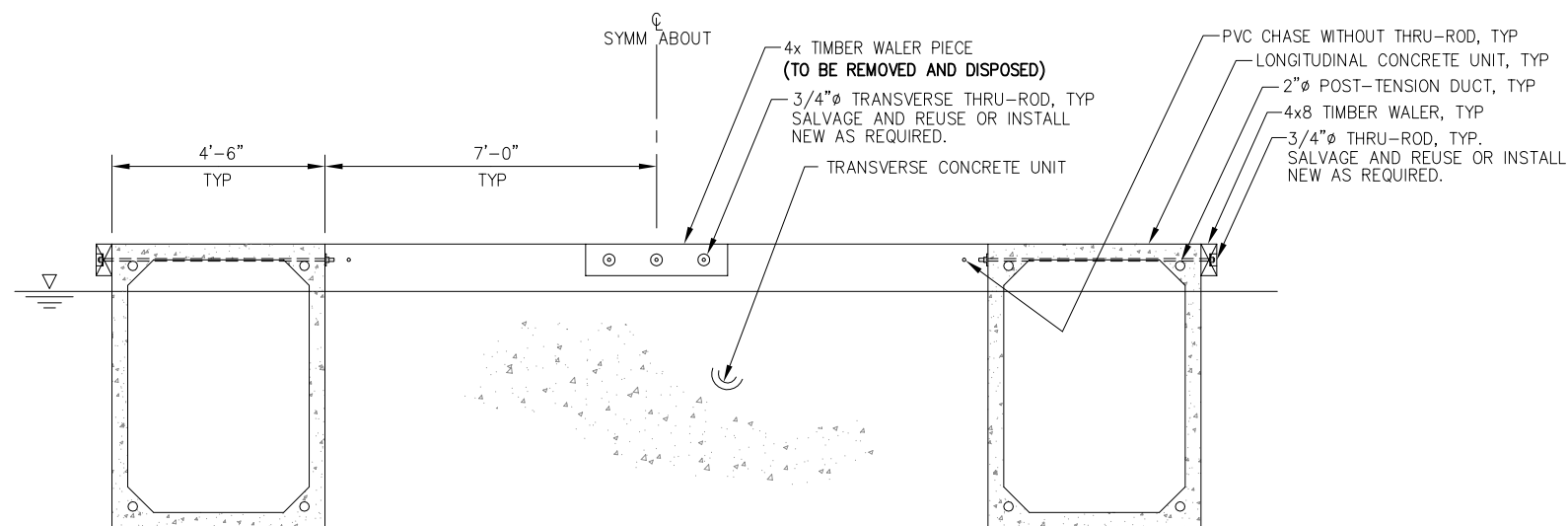
SHEET TITLE:
EXISTING SITE PLAN

PND PROJECT NO.: 142053

1.02
SHEET
2 OF 7



- DEMOLITION SUMMARY**
- REMOVE AND DISPOSE EXISTING TRANSITION PLATE ASSEMBLY WITH ALL ASSOCIATED HARDWARE.
 - REMOVE AND DISPOSE EXISTING TIMBER BARRIER RAIL.
 - REMOVE AND DISPOSE EXISTING TIMBER WALER PIECES.
 - REMOVE AND DISPOSE EXISTING SAFETY LADDERS.



A TYPICAL SECTION



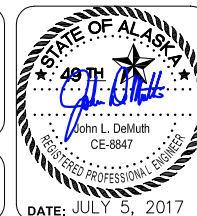
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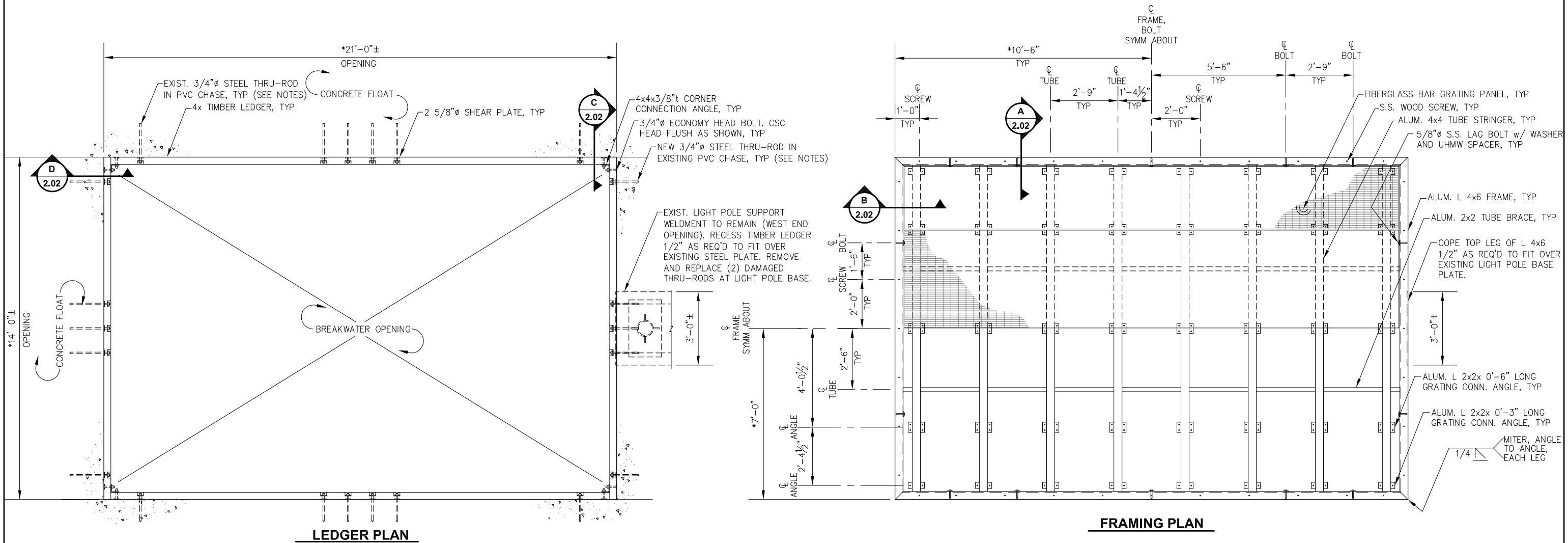


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STATTER HARBOR BREAKWATER SAFETY IMPROVEMENTS
CONTRACT NO. DH18-001

SHEET TITLE:
BREAKWATER FLOAT PARTIAL PLANS AND TYPICAL SECTION

PND PROJECT NO.: 142053

1.03
SHEET 3 OF 7



NOTES: 1. LOCATION AND NUMBER OF EXISTING PVC THRU-ROD CHASES AND EXISTING STEEL THRU-RODS VARIES. FIELD DRILL TIMBER WALERS AS REQ'D TO MATCH EXISTING THRU-ROD CONFIGURATION AND SPACING.

2. OPENING IN CONCRETE VARIES. FIELD VERIFY OPENING DIMENSIONS PRIOR TO FABRICATION OF ALUMINUM FRAME AND SUPPLY ADEQUATE LENGTH OF TIMBER WALERS TO FIT OPENING AS MEASURED. FIELD CUT TIMBER WALER AS REQ'D TO ACHIEVE FIT AND CONFIGURATION SHOWN.

NOTE: PROVIDE (7) 5'-0" LONG AND (4) 13'-0" LONG 3/4"Ø HDG THREADED RODS w/ PLATE WASHERS AND NUTS TO INSTALL IN EXISTING EMPTY PVC CHASES AND TO REPLACE DAMAGED THRU-RODS AT EXISTING LIGHT POLE BASE PLATE (INCIDENTAL).

NOTE: COORDINATE LOCATION OF HOLES IN GRATING CONNECTION ANGLES WITH MANUFACTURER AS REQ'D TO ATTACH GRATING.

*NOTE: PRIOR TO FABRICATION, FIELD VERIFY OUTSIDE DIMENSIONS OF ALUMINUM FRAME AS REQ'D TO FIT WITHIN EXISTING BREAKWATER OPENINGS.

NOTE: FRAMING PLAN CURRENTLY SHOWN WITH ALUMINUM COMPONENTS WELDED TOGETHER INTO AN INTEGRATED ASSEMBLY. CONTRACTOR MAY SUBMIT AN ALTERNATE FRAMING PLAN AND DETAILS THAT INSTEAD UTILIZE TYPE 316 STAINLESS STEEL BOLTS WITH "NYLOCK" NUTS TO ALLOW FOR FIELD ASSEMBLY. BOLTED CONNECTION ALTERNATIVE MUST PROVIDE EQUIVALENT LOAD CAPACITY AS COMPARED TO WELDED CONNECTIONS. THE FOLLOWING LOAD CRITERIA SHALL BE USED: LIVE LOAD: UNIFORM 45 PSF; 500 LB CONCENTRATED LOAD.



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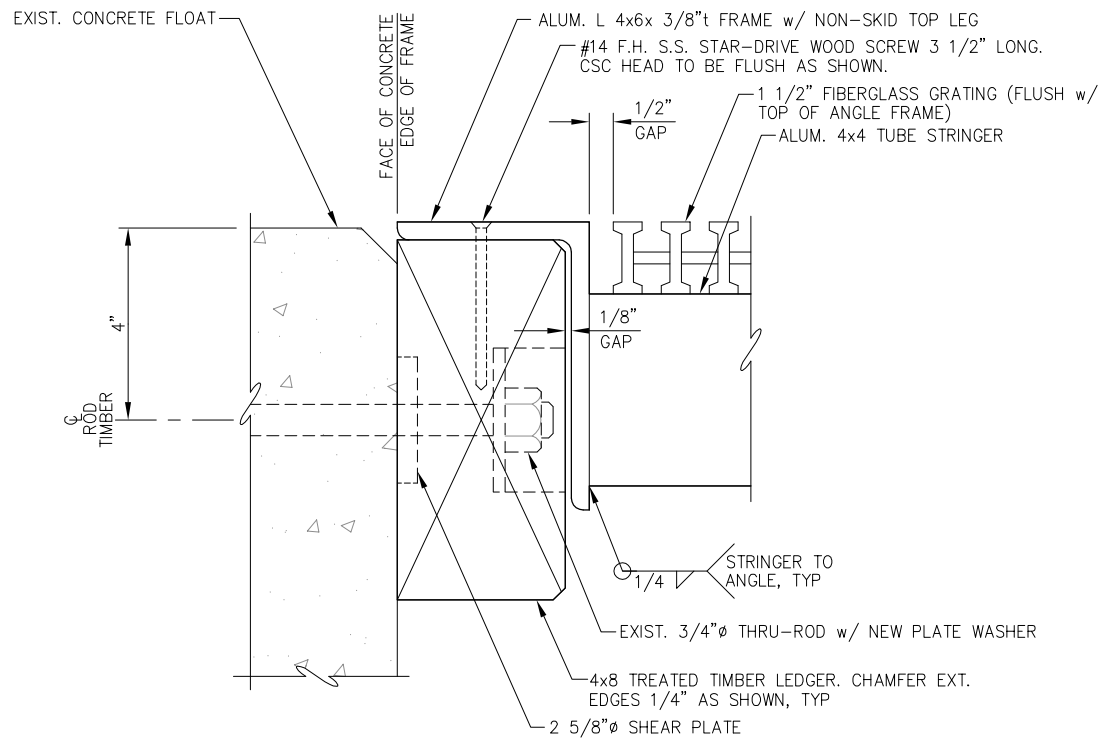


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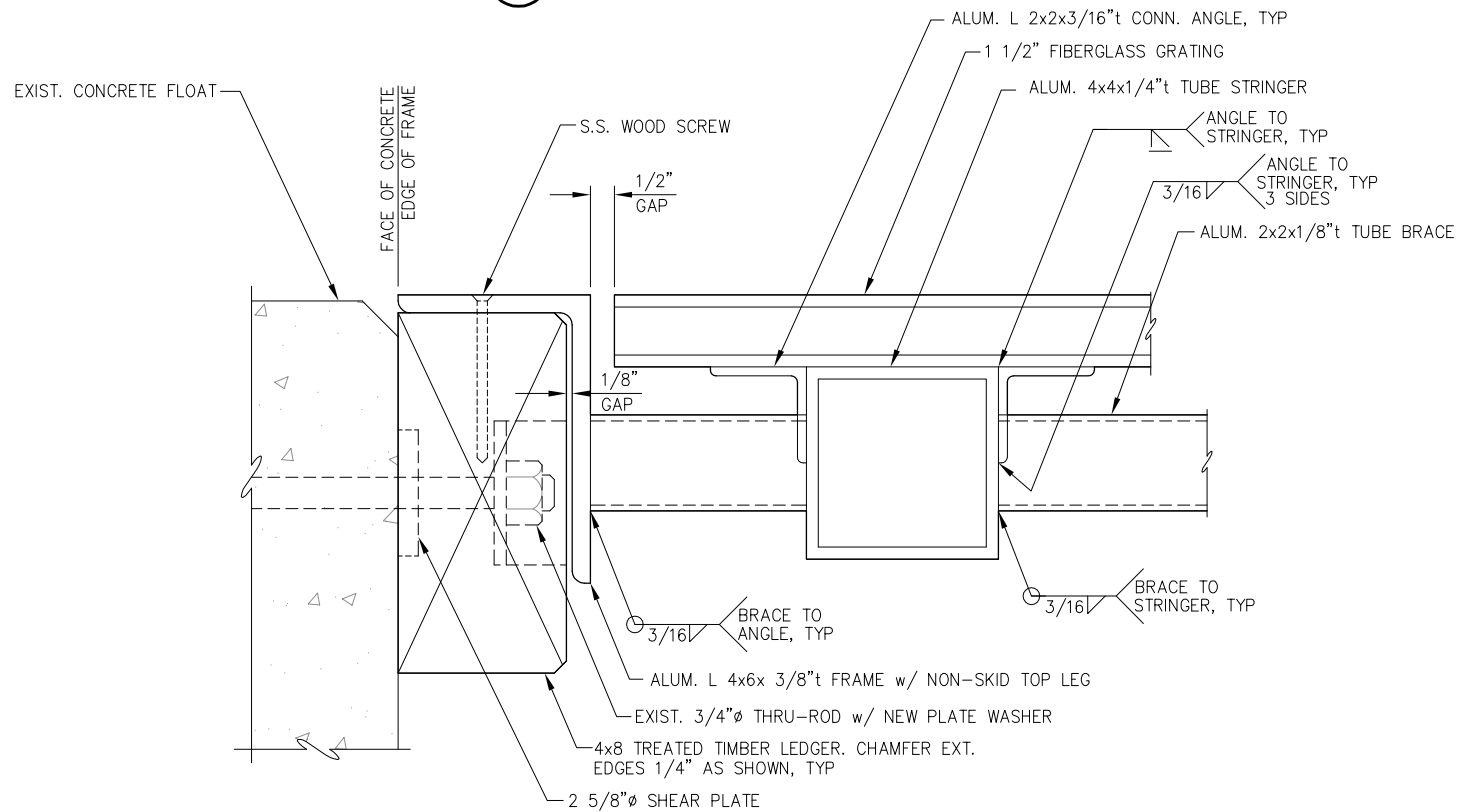
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LEDGER AND FRAMING PLAN

PND PROJECT NO.: 142053

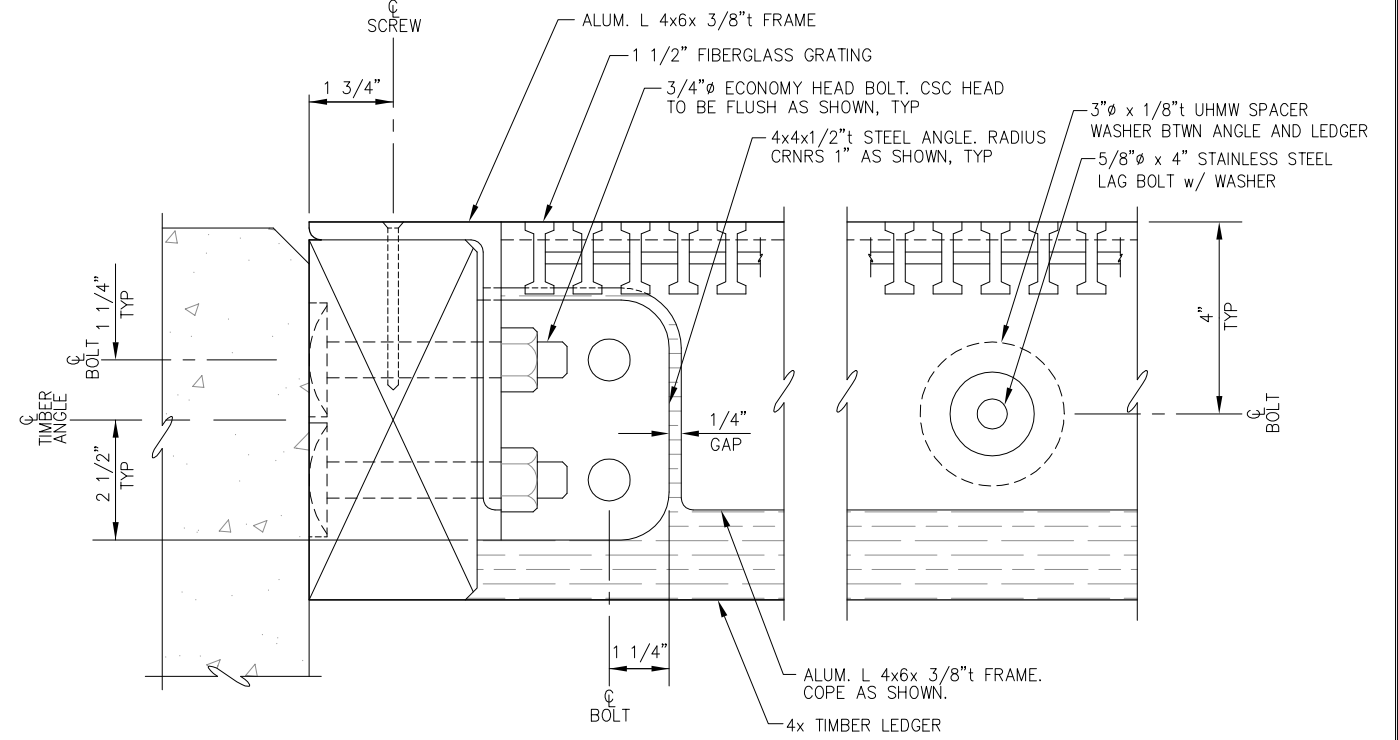
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SHEET
OF 7



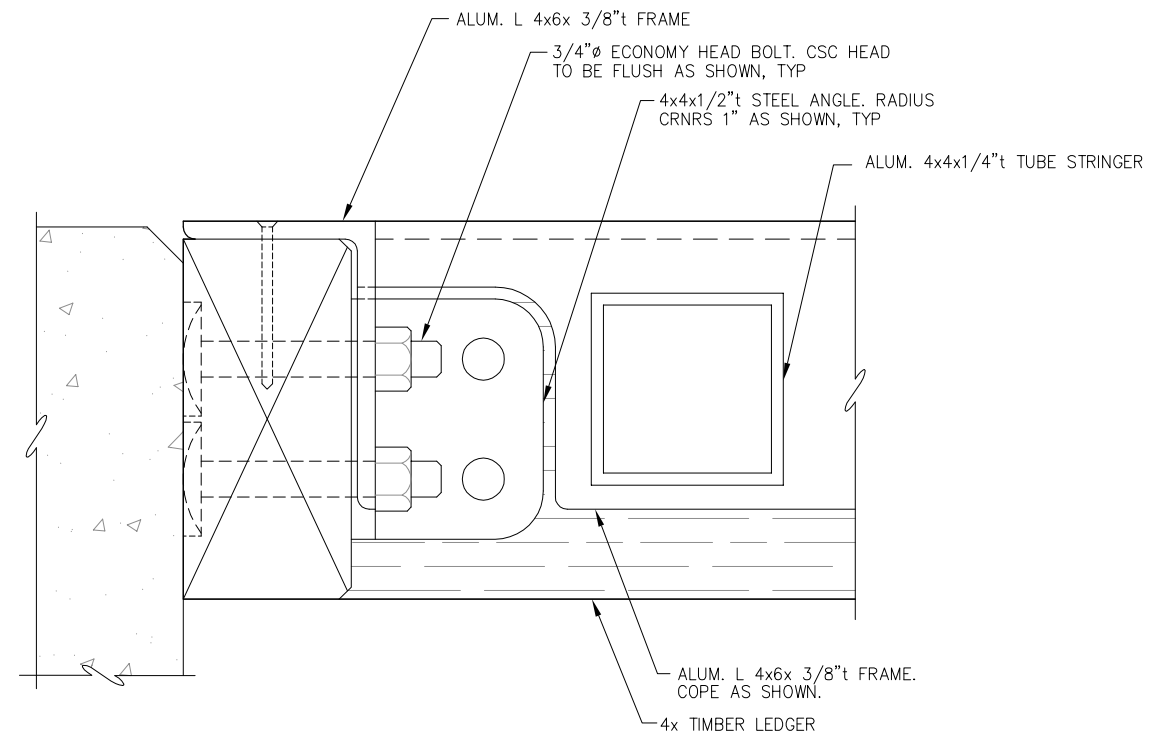
A
2.01
SECTION



B
2.01
SECTION



C
2.01
SECTION



D
2.01
SECTION

NOTE: DETAILS NOT SHOWN SIMILAR TO SECTION C.



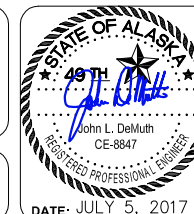
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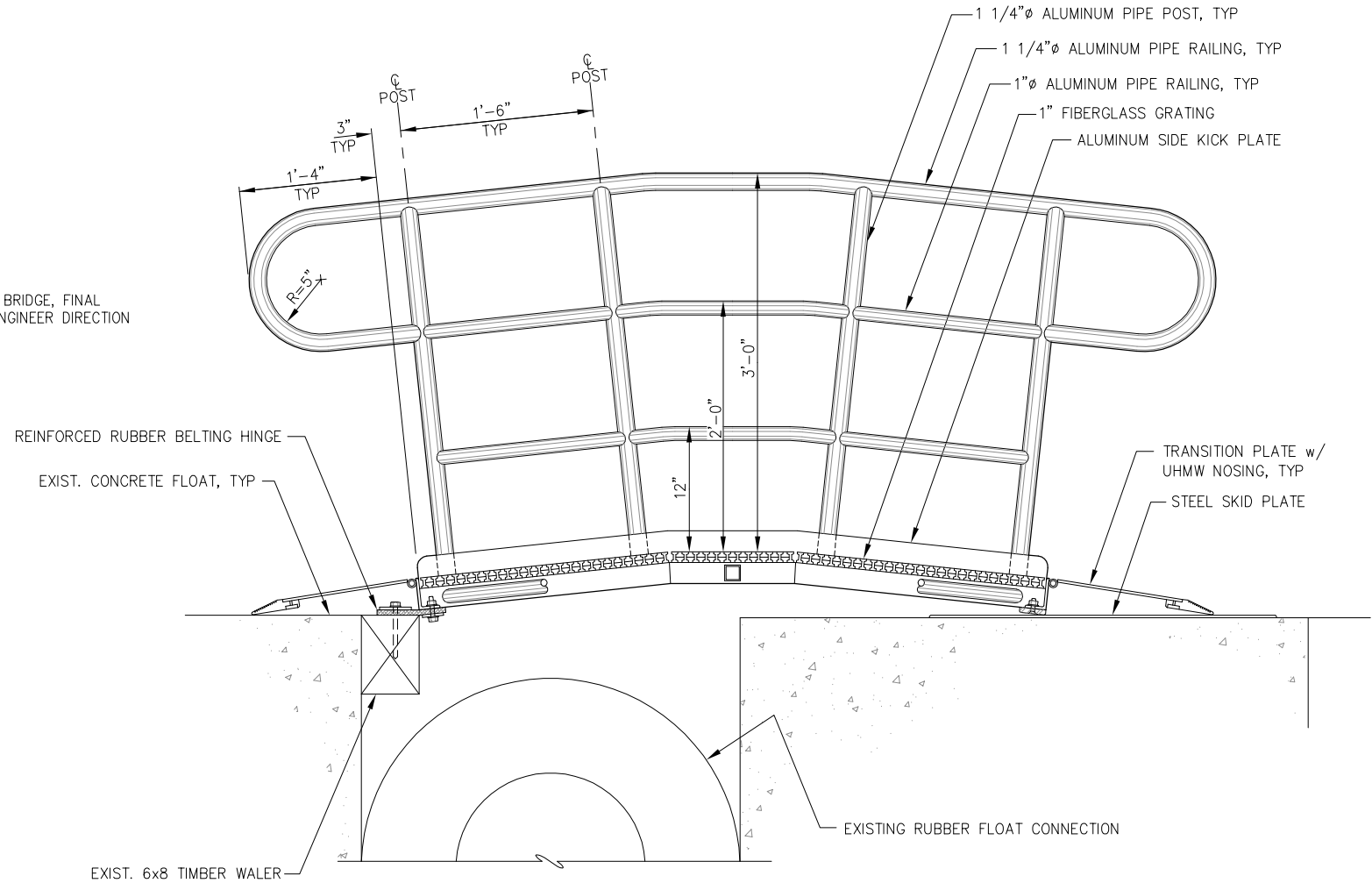
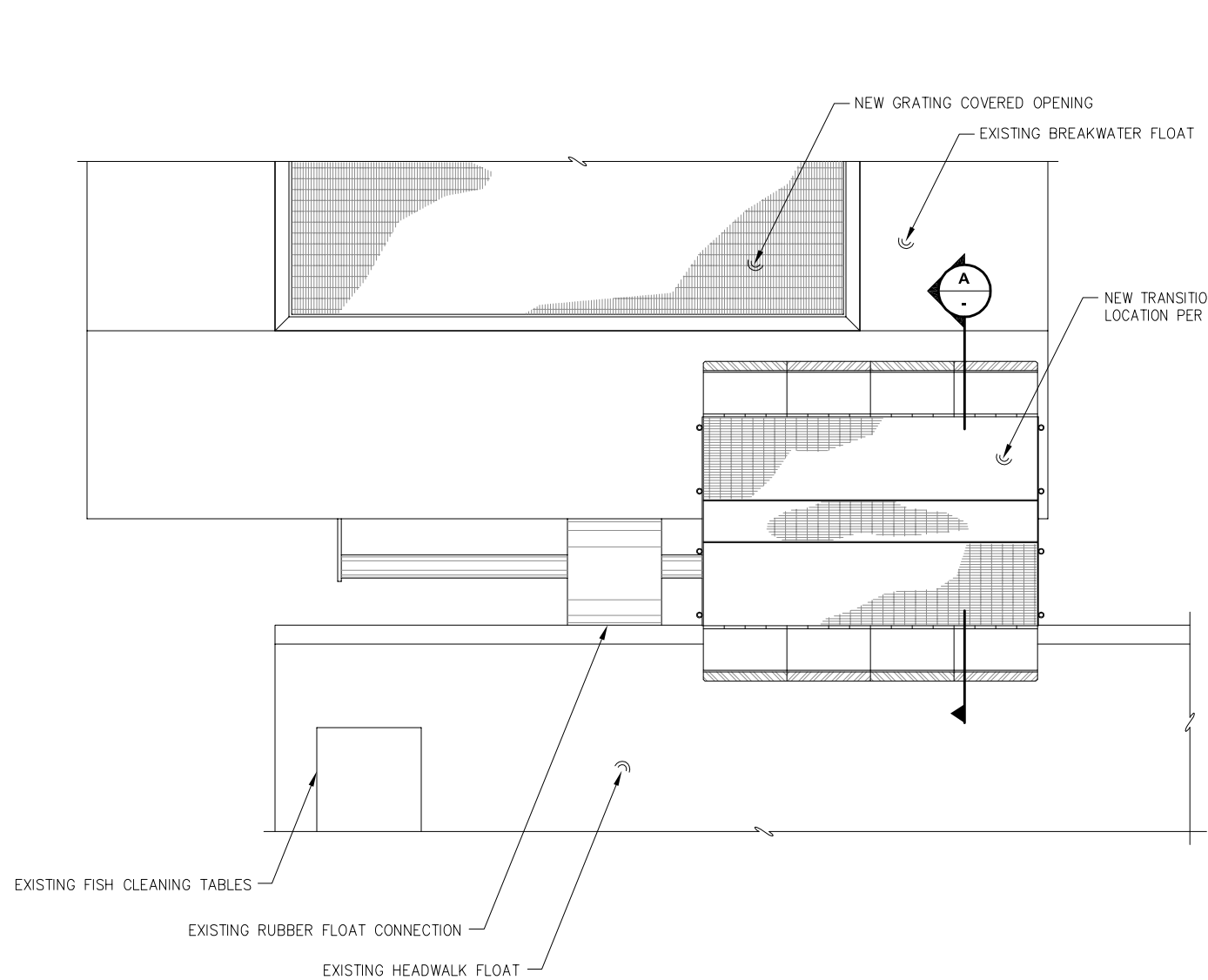
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SHEET TITLE:

FRAMING DETAILS

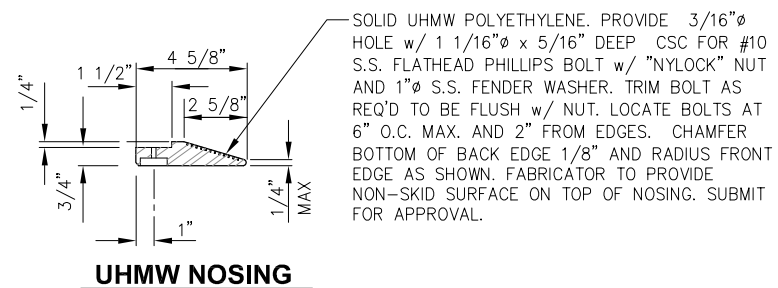
PND PROJECT NO.: 142053

2.02
SHEET
OF 7



SECTION AT BRIDGE

NOTE: COPE ALL PIPE RAILING JOINTS AS SHOWN AND SEAL WITH 1/4" FILLET WELDS ALL AROUND.



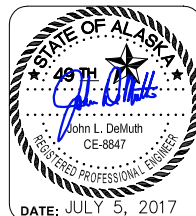
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STATTER HARBOR BREAKWATER SAFETY IMPROVEMENTS
CONTRACT NO. DH18-001

SHEET TITLE:
FLOAT TRANSITION BRIDGE

PND PROJECT NO.: 142053

3.01
SHEET
6 OF 7

