

8/2/2022 3:19 PM K:\2022\224017 Depoe Bay Floats 2-4 Replacement\100% REVIEW SUBMITTAL\224017.G1.01.dwg



100% REVIEW SUBMITTAL

**DEPOE BAY HARBOR
DOCKS 2-4 REPLACEMENT**

TITLE: **EXISTING CONDITIONS**

DESIGNED BY: JO	PROJECT NO: 224017	SHEET NO:
DRAWN BY: WL	DATE: OCTOBER 2022	G1.01
CHECKED BY: RJ	SCALE: NOTED	

REVISIONS		
REV	DATE	DESCRIPTION

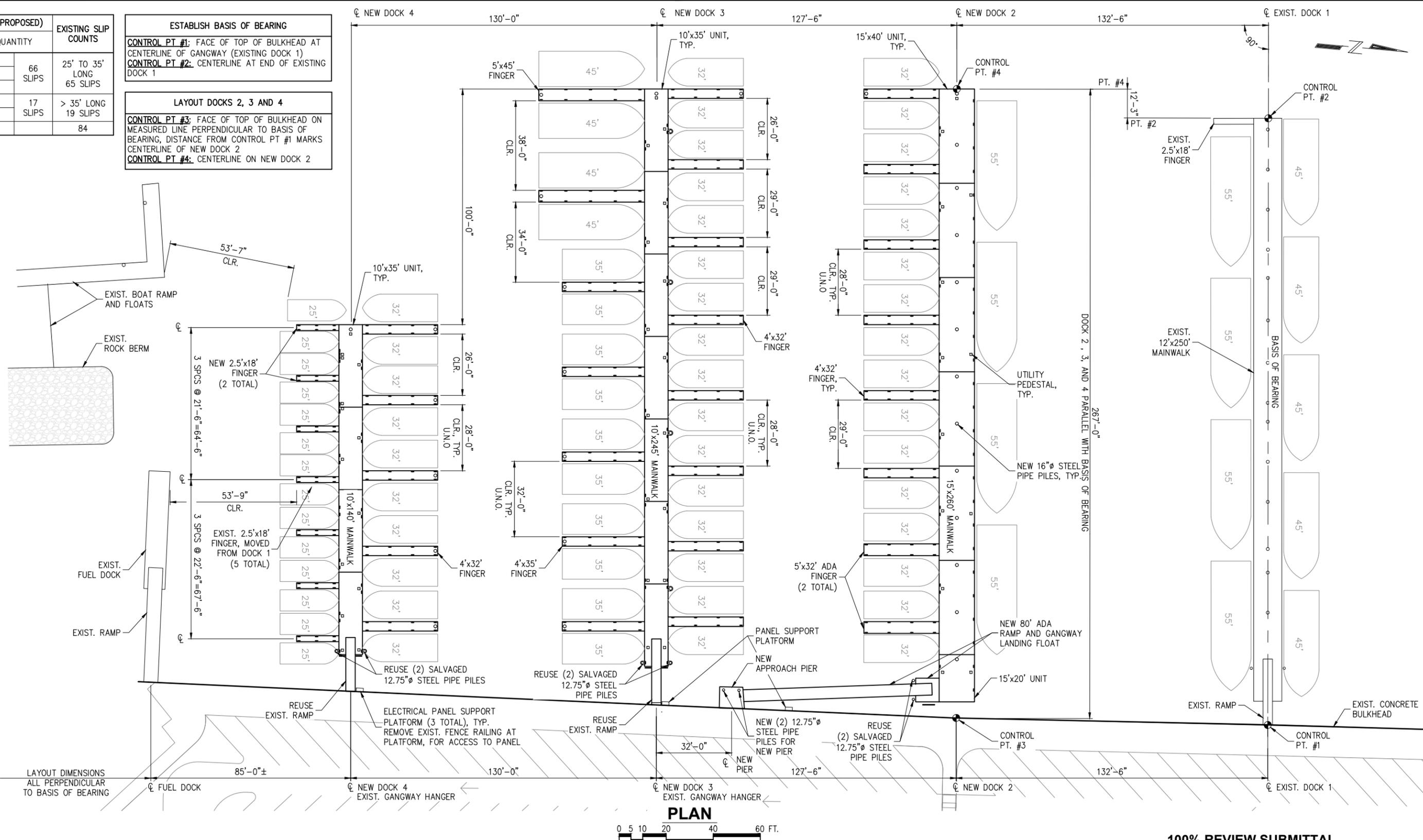
PND ENGINEERS, INC. IS NOT RESPONSIBLE FOR SAFETY PROGRAMS, METHODS OR PROCEDURES OF OPERATION, OR THE CONSTRUCTION OF THE DESIGN SHOWN ON THESE DRAWINGS. WHERE SPECIFICATIONS ARE GENERAL OR NOT CALLED OUT, THE SPECIFICATIONS SHALL CONFORM TO STANDARDS OF INDUSTRY. DRAWINGS ARE FOR USE ON THIS PROJECT ONLY AND ARE NOT INTENDED FOR REUSE WITHOUT WRITTEN APPROVAL FROM PND. DRAWINGS ARE ALSO NOT TO BE USED IN ANY MANNER THAT WOULD CONSTITUTE A DETRIMENT DIRECTLY OR INDIRECTLY TO PND.

3240 Eastlake Avenue E.
Seattle, Washington 98102
P: 206.624.1387
www.pndengineers.com

SLIP COUNT (PROPOSED)		EXISTING SLIP COUNTS
SLIP LENGTH	QUANTITY	
25'	14	66 SLIPS 25' TO 35' LONG 65 SLIPS
32'	42	
35'	10	
45'	9	17 SLIPS > 35' LONG 19 SLIPS
55'	8	
TOTAL	83	84

ESTABLISH BASIS OF BEARING
CONTROL PT. #1: FACE OF TOP OF BULKHEAD AT CENTERLINE OF GANGWAY (EXISTING DOCK 1)
CONTROL PT. #2: CENTERLINE AT END OF EXISTING DOCK 1

LAYOUT DOCKS 2, 3 AND 4
CONTROL PT. #3: FACE OF TOP OF BULKHEAD ON MEASURED LINE PERPENDICULAR TO BASIS OF BEARING, DISTANCE FROM CONTROL PT. #1 MARKS CENTERLINE OF NEW DOCK 2
CONTROL PT. #4: CENTERLINE ON NEW DOCK 2



PLAN

100% REVIEW SUBMITTAL

PND ENGINEERS, INC.
 3240 Eastlake Avenue E
 Seattle, Washington 98102
 P: 206.624.1387
 www.pndengineers.com

PND ENGINEERS, INC. IS NOT RESPONSIBLE FOR SAFETY PROGRAMS, METHODS OR PROCEDURES OF OPERATION, OR THE CONSTRUCTION OF THE DESIGN SHOWN ON THESE DRAWINGS. WHERE SPECIFICATIONS ARE GENERAL OR NOT CALLED OUT, THE SPECIFICATIONS SHALL CONFORM TO STANDARDS OF INDUSTRY. DRAWINGS ARE FOR USE ON THIS PROJECT ONLY AND ARE NOT INTENDED FOR REUSE WITHOUT WRITTEN APPROVAL FROM PND. DRAWINGS ARE ALSO NOT TO BE USED IN ANY MANNER THAT WOULD CONSTITUTE A DETRIMENT DIRECTLY OR INDIRECTLY TO PND.

REVISIONS	
REV	DESCRIPTION

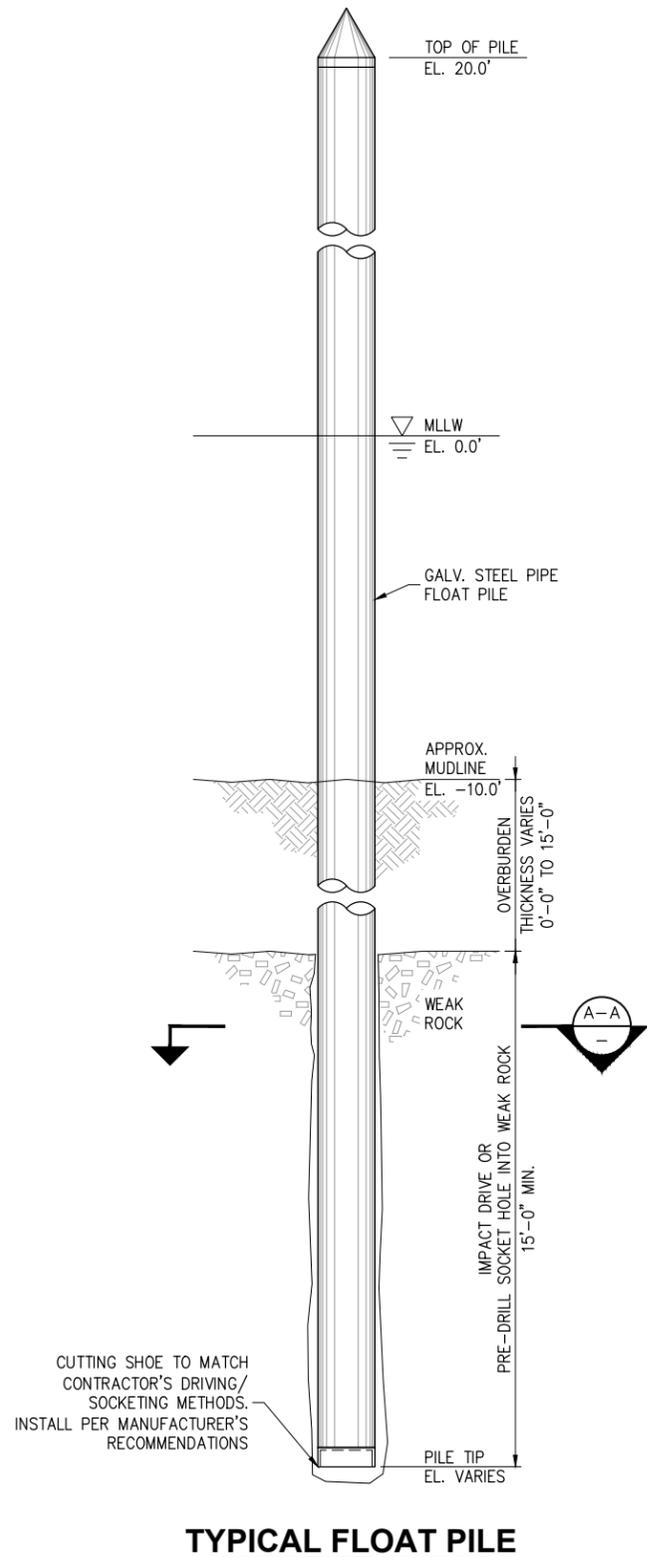
PROJECT:
DEPOE BAY HARBOR DOCKS 2-4 REPLACEMENT

TITLE:
PROPOSED NEW DOCK LAYOUT

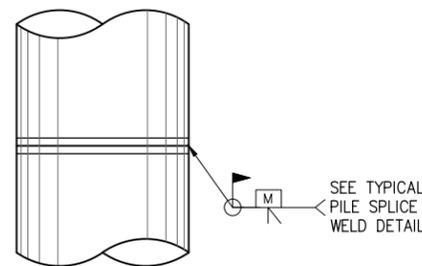
DESIGNED BY: JO	PROJECT NO: 224017	SHEET NO:
DRAWN BY: WL	DATE: OCTOBER 2022	S1.01
CHECKED BY: RJ	SCALE: NOTED	

10/4/2022 3:18 PM K:\2022\224017\224017-100% REVIEW SUBMITTAL\224017.S1.01.dwg

10/4/2022 3:18 PM K:\2022\224017\100% REVIEW SUBMITTAL\224017_S2.01.dwg

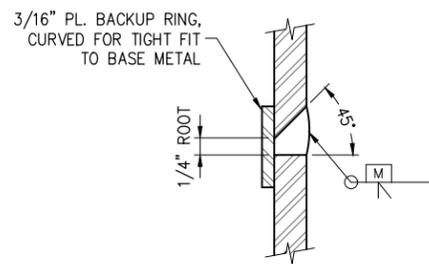


TYPICAL FLOAT PILE

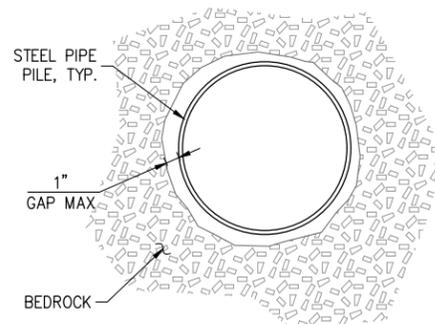


PILE SPLICE

TYPICAL FOR ALL FIELD PIPE PILE SPLICES (SHOP WELDS, IF REQ'D., SIMILAR)

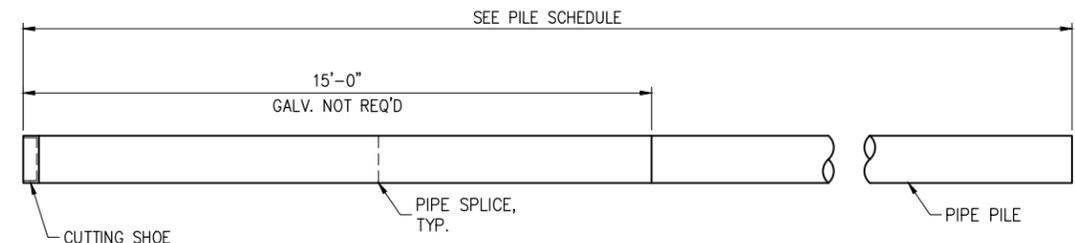


TYPICAL PILE SPLICE WELD



SECTION

PILE SCHEDULE						
LOCATION	NEW/ EXIST.	DIAMETER	THICKNESS	QUANTITY	SUPPLY LENGTH	SERVICE COMPRESSION CAPACITY (kips)
DOCK 2	NEW	16"	0.50"	14 NEW	60'	10K
DOCK 2	EXIST.	12.75"	0.50"	2 REUSED	N/A	10K
DOCK 3	NEW	16"	0.50"	13 NEW	60'	10K
DOCK 3	EXIST.	12.75"	0.50"	2 REUSED	N/A	10K
DOCK 4	NEW	16"	0.50"	6 NEW	60'	10K
DOCK 4	EXIST.	12.75"	0.50"	2 REUSED	N/A	10K
PIER	NEW	12.75"	0.50"	2 NEW	40'	30K



STEEL PIPE PILE



 3240 Eastlake Avenue E.
 Seattle, Washington 98102
 P: 206.624.1387
 www.pndengineers.com

PND ENGINEERS, INC. IS NOT RESPONSIBLE FOR SAFETY PROGRAMS, METHODS OR PROCEDURES OF OPERATION, OR THE CONSTRUCTION OF THE DESIGN SHOWN ON THESE DRAWINGS. WHERE SPECIFICATIONS ARE GENERAL OR NOT CALLED OUT, THE SPECIFICATIONS SHALL CONFORM TO STANDARDS OF INDUSTRY. DRAWINGS ARE FOR USE ON THIS PROJECT ONLY AND ARE NOT INTENDED FOR REUSE WITHOUT WRITTEN APPROVAL FROM PND. DRAWINGS ARE ALSO NOT TO BE USED IN ANY MANNER THAT WOULD CONSTITUTE A DETRIMENT DIRECTLY OR INDIRECTLY TO PND.

REVISIONS		
REV	DATE	DESCRIPTION

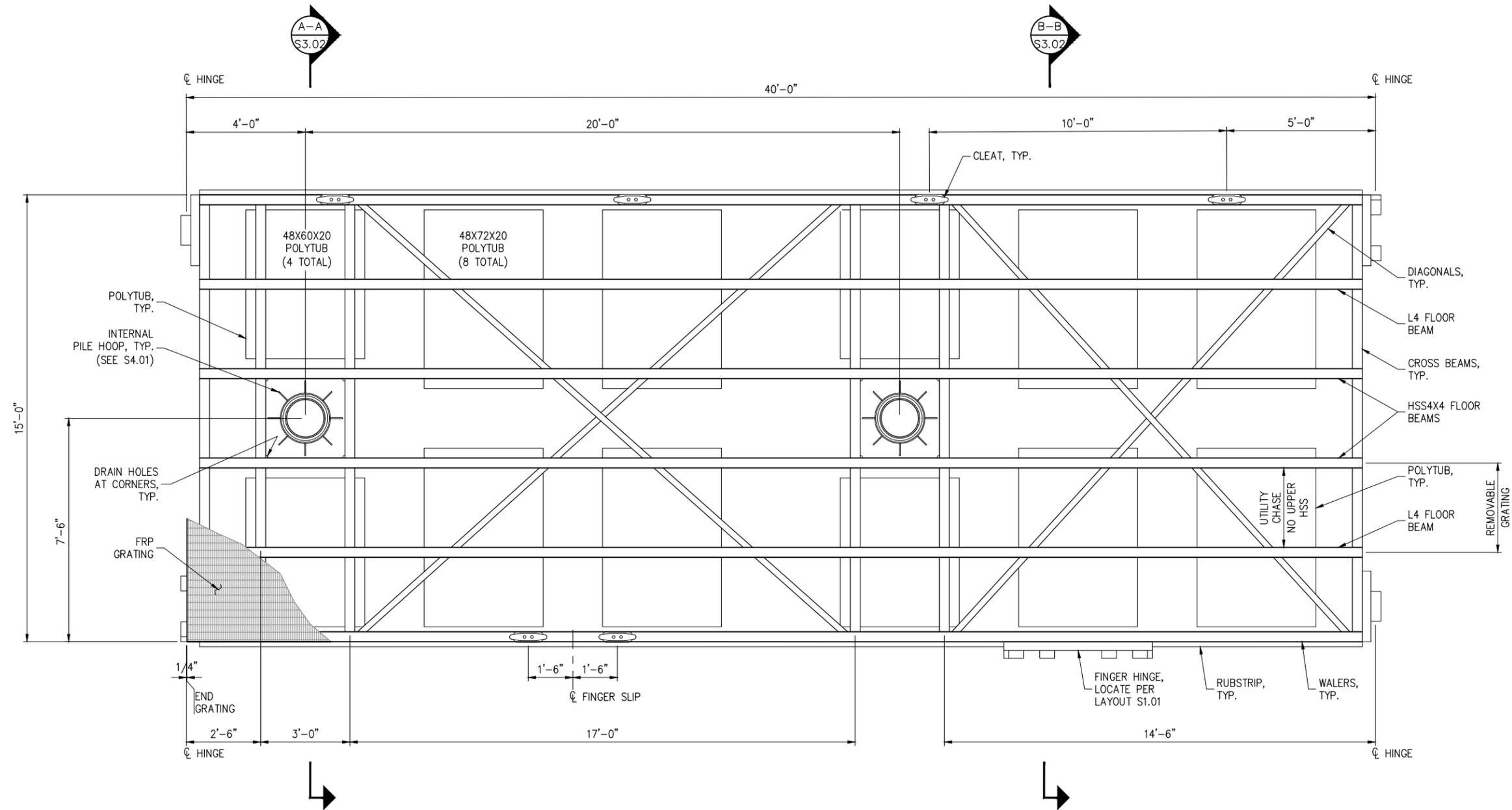
100% REVIEW SUBMITTAL

**DEPOE BAY HARBOR
DOCKS 2-4 REPLACEMENT**

PILE DETAILS AND PILE SCHEDULE

DESIGNED BY: JO	PROJECT NO: 224017	SHEET NO:
DRAWN BY: WL	DATE: OCTOBER 2022	S2.01
CHECKED BY: RJ	SCALE: NOTED	

9/29/2022 12:01 PM K:\2022\224017 Depoe Bay Floats 2-4 Replacement\100% REVIEW SUBMITTAL\224017.S3.01.dwg



**15'x40' MAINWALK FLOAT
FRAMING PLAN**



NOTE: DECK SUPPORTS AND POLYTUB ANGLES NOT SHOWN.

WELD NOTES:

1. WELD ALL JOINTS WITH 5/16" FILLET, ALL AROUND, OR EQUIVALENT BEVEL, UNLESS OTHERWISE NOTED.
2. MAX VENT HOLES FOR GALVANIZING SHALL NOT EXCEED 1/2"Ø, ANY LARGER HOLES OR OPEN ENDS SHALL BE PLUGGED AND SEAL WELDED WITH END CAPS, AS APPROPRIATE.
3. REPAIR ALL COATINGS AS REQUIRED.

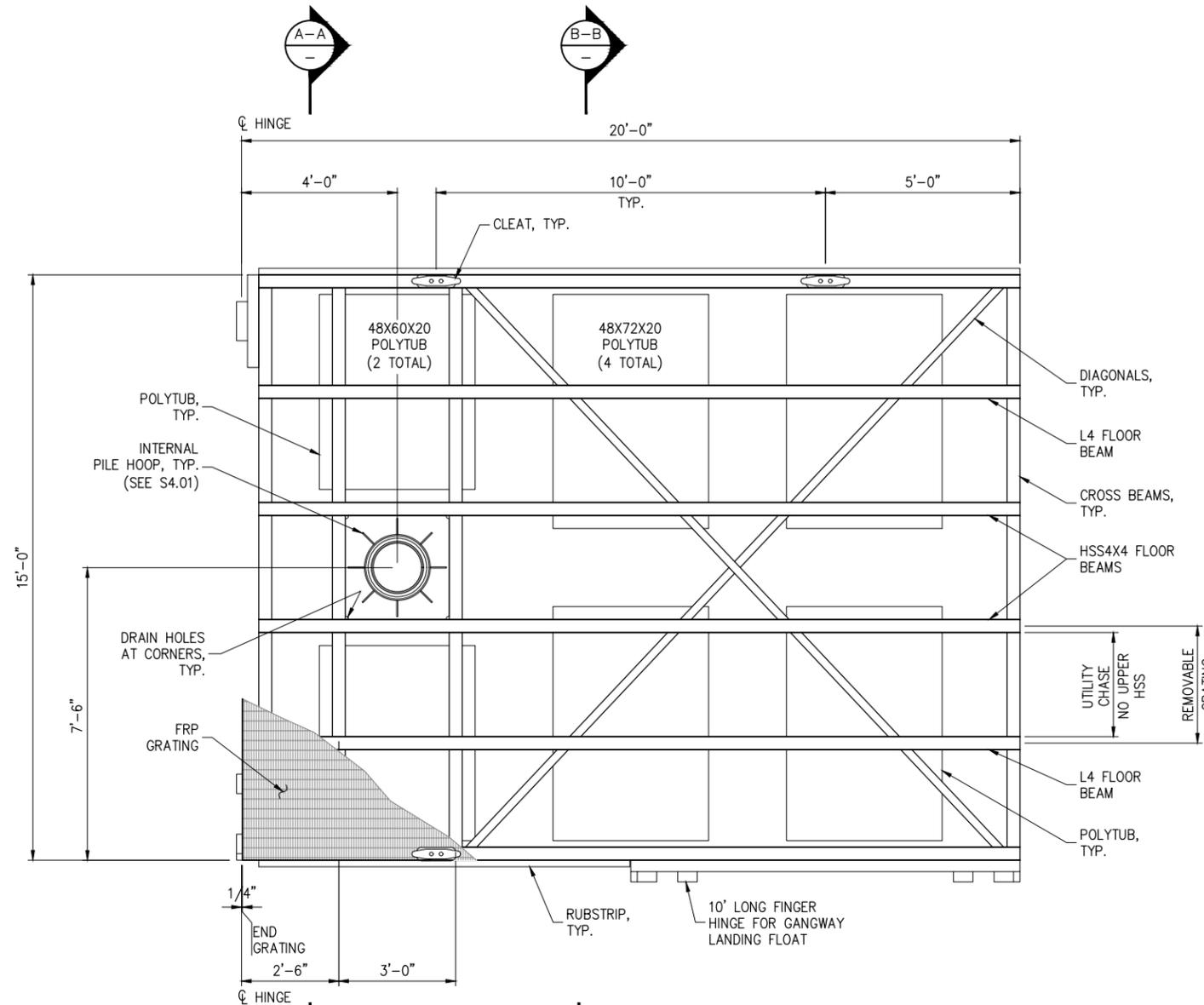
P | N | D
ENGINEERS, INC.
3240 Eastlake Avenue E.
Seattle, Washington 98102
P: 206.624.1387
www.pndengineers.com

PND ENGINEERS, INC. IS NOT RESPONSIBLE FOR SAFETY PROGRAMS, METHODS OR PROCEDURES OF OPERATION, OR THE CONSTRUCTION OF THE DESIGN SHOWN ON THESE DRAWINGS. WHERE SPECIFICATIONS ARE GENERAL OR NOT CALLED OUT, THE SPECIFICATIONS SHALL CONFORM TO STANDARDS OF INDUSTRY. DRAWINGS ARE FOR USE ON THIS PROJECT ONLY AND ARE NOT INTENDED FOR REUSE WITHOUT WRITTEN APPROVAL FROM PND. DRAWINGS ARE ALSO NOT TO BE USED IN ANY MANNER THAT WOULD CONSTITUTE A DETRIMENT DIRECTLY OR INDIRECTLY TO PND.

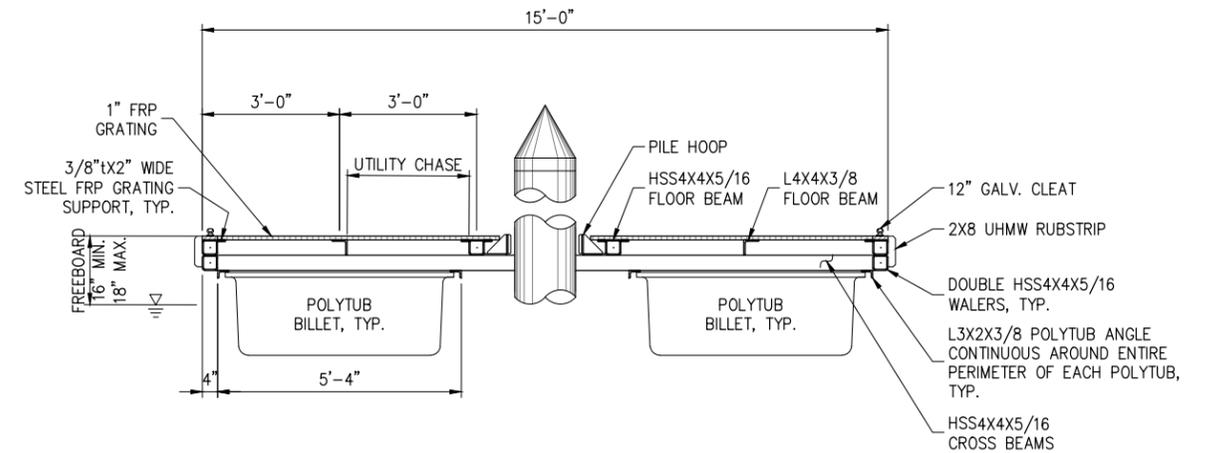
REVISIONS		
REV	DATE	DESCRIPTION

100% REVIEW SUBMITTAL			
DEPOE BAY HARBOR DOCKS 2-4 REPLACEMENT			
TITLE: 15'x40' MAINWALK FLOAT			
DESIGNED BY:	JO	PROJECT NO:	224017
DRAWN BY:	WL	DATE:	OCTOBER 2022
CHECKED BY:	RJ	SCALE:	NOTED
SHEET NO:			S3.01

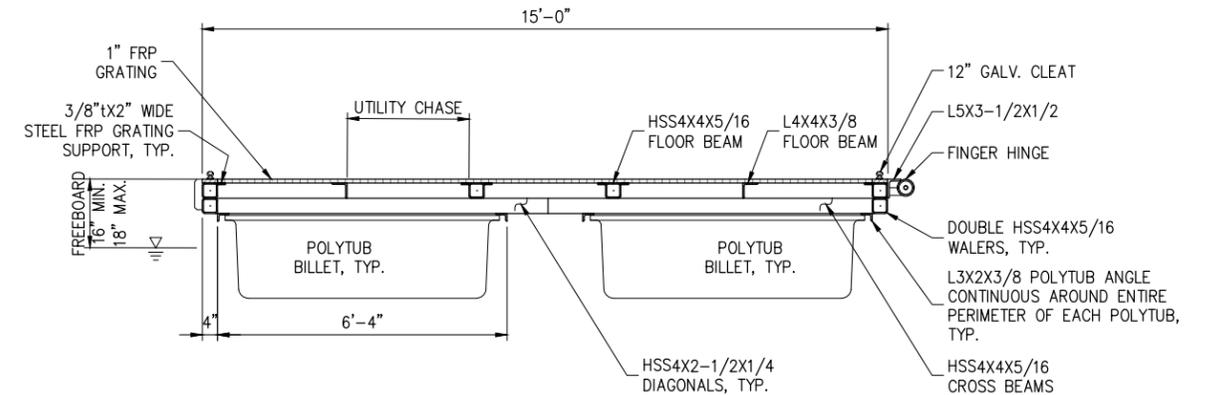
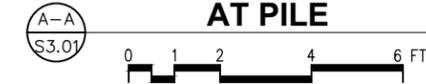
9/29/2022 12:01 PM K:\2022\224017 Depoe Bay Floats 2-4 Replacement\100% REVIEW SUBMITTAL\224017.S3.02.dwg



15'x20' MAINWALK FLOAT FRAMING PLAN



SECTION VIEW AT PILE



TYPICAL SECTION



WELD NOTES:

1. WELD ALL JOINTS WITH 5/16" FILLET, ALL AROUND, OR EQUIVALENT BEVEL, UNLESS OTHERWISE NOTED.
2. MAX VENT HOLES FOR GALVANIZING SHALL NOT EXCEED 1/2" Ø, ANY LARGER HOLES OR OPEN ENDS SHALL BE PLUGGED AND SEAL WELDED WITH END CAPS, AS APPROPRIATE.
3. REPAIR ALL COATINGS AS REQUIRED.

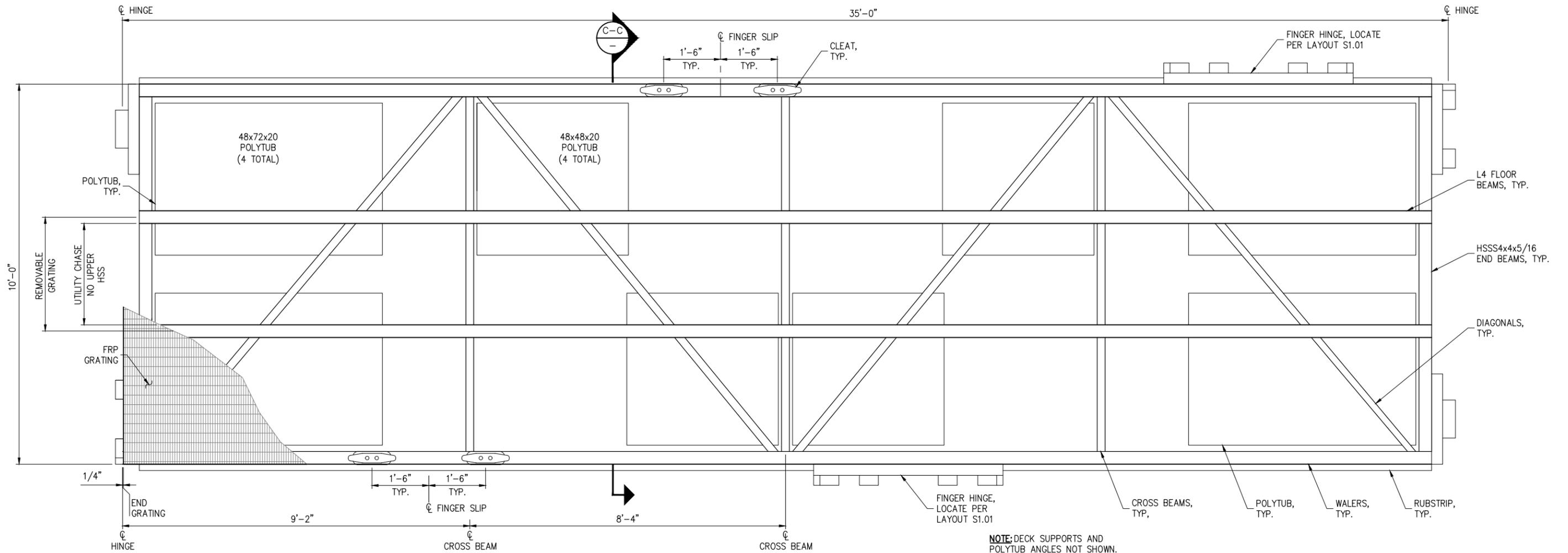
PND ENGINEERS, INC.
 3240 Eastlake Avenue E.
 Seattle, Washington 98102
 P: 206.624.1387
 www.pndengineers.com

PND ENGINEERS, INC. IS NOT RESPONSIBLE FOR SAFETY PROGRAMS, METHODS OR PROCEDURES OF OPERATION, OR THE CONSTRUCTION OF THE DESIGN SHOWN ON THESE DRAWINGS. WHERE SPECIFICATIONS ARE GENERAL OR NOT CALLED OUT, THE SPECIFICATIONS SHALL CONFORM TO STANDARDS OF INDUSTRY. DRAWINGS ARE FOR USE ON THIS PROJECT ONLY AND ARE NOT INTENDED FOR REUSE WITHOUT WRITTEN APPROVAL FROM PND. DRAWINGS ARE ALSO NOT TO BE USED IN ANY MANNER THAT WOULD CONSTITUTE A DETRIMENT DIRECTLY OR INDIRECTLY TO PND.

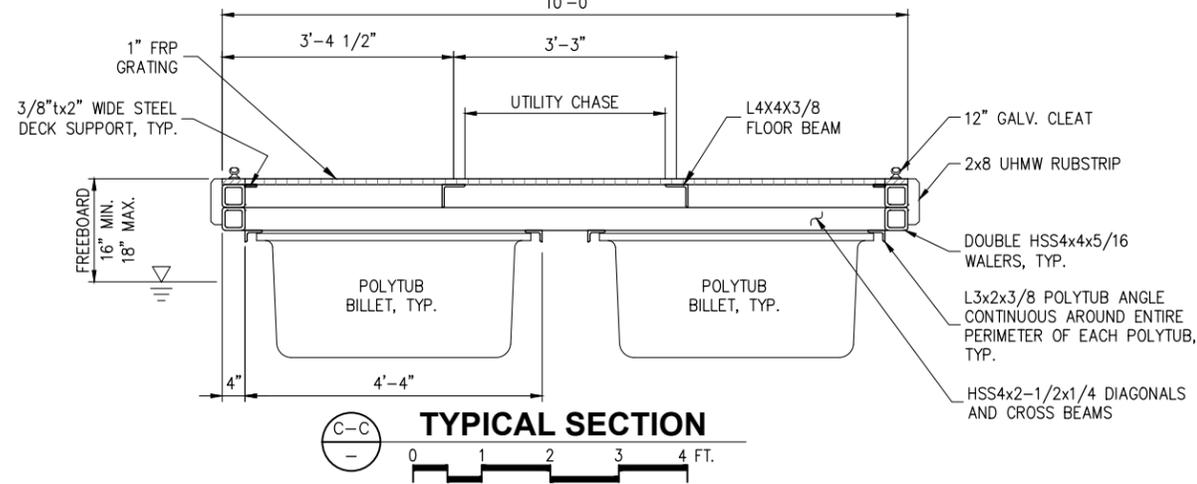
REVISIONS	
REV	DESCRIPTION

100% REVIEW SUBMITTAL			
DEPOE BAY HARBOR DOCKS 2-4 REPLACEMENT			
15'x20' MAINWALK END FLOAT			
DESIGNED BY:	JO	PROJECT NO:	224017
DRAWN BY:	WL	DATE:	OCTOBER 2022
CHECKED BY:	RJ	SCALE:	NOTED
SHEET NO:			S3.02

9/29/2022 12:01 PM K:\2022\224017 Depoe Bay Floats 2-4 Replacement\100% REVIEW SUBMITTAL\224017_S3.03.dwg



**10'x35' MAINWALK FLOAT
FRAMING PLAN**



TYPICAL SECTION



WELD NOTES:

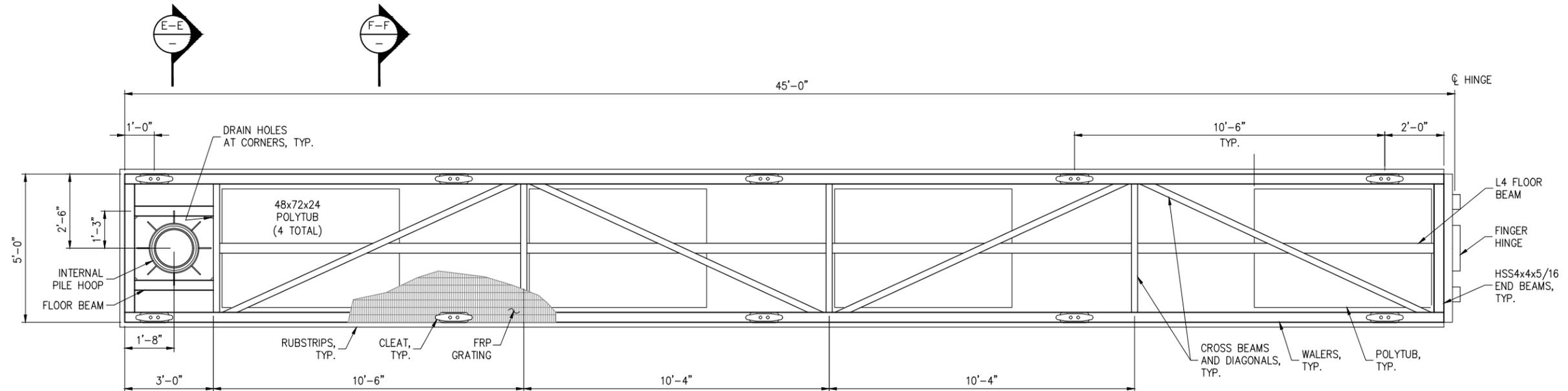
1. WELD ALL JOINTS WITH 5/16" FILLET, ALL AROUND, OR EQUIVALENT BEVEL, UNLESS OTHERWISE NOTED.
2. MAX VENT HOLES FOR GALVANIZING SHALL NOT EXCEED 1/2" Ø, ANY LARGER HOLES OR OPEN ENDS SHALL BE PLUGGED AND SEAL WELDED WITH END CAPS, AS APPROPRIATE.
3. REPAIR ALL COATINGS AS REQUIRED.

PND ENGINEERS, INC.
3240 Eastlake Avenue E.
Seattle, Washington 98102
P: 206.624.1387
www.pndengineers.com

PND ENGINEERS, INC. IS NOT RESPONSIBLE FOR SAFETY PROGRAMS, METHODS OR PROCEDURES OF OPERATION, OR THE CONSTRUCTION OF THE DESIGN SHOWN ON THESE DRAWINGS. WHERE SPECIFICATIONS ARE GENERAL OR NOT CALLED OUT, THE SPECIFICATIONS SHALL CONFORM TO STANDARDS OF INDUSTRY. DRAWINGS ARE FOR USE ON THIS PROJECT ONLY AND ARE NOT INTENDED FOR REUSE WITHOUT WRITTEN APPROVAL FROM PND. DRAWINGS ARE ALSO NOT TO BE USED IN ANY MANNER THAT WOULD CONSTITUTE A DETRIMENT DIRECTLY OR INDIRECTLY TO PND.

REVISIONS		
REV	DATE	DESCRIPTION

100% REVIEW SUBMITTAL			
DEPOE BAY HARBOR DOCKS 2-4 REPLACEMENT			
TITLE: 10'x35' MAINWALK FLOAT			
DESIGNED BY: JO	PROJECT NO: 224017	SHEET NO:	
DRAWN BY: WL	DATE: OCTOBER 2022		
CHECKED BY: RJ	SCALE: NOTED	S3.03	

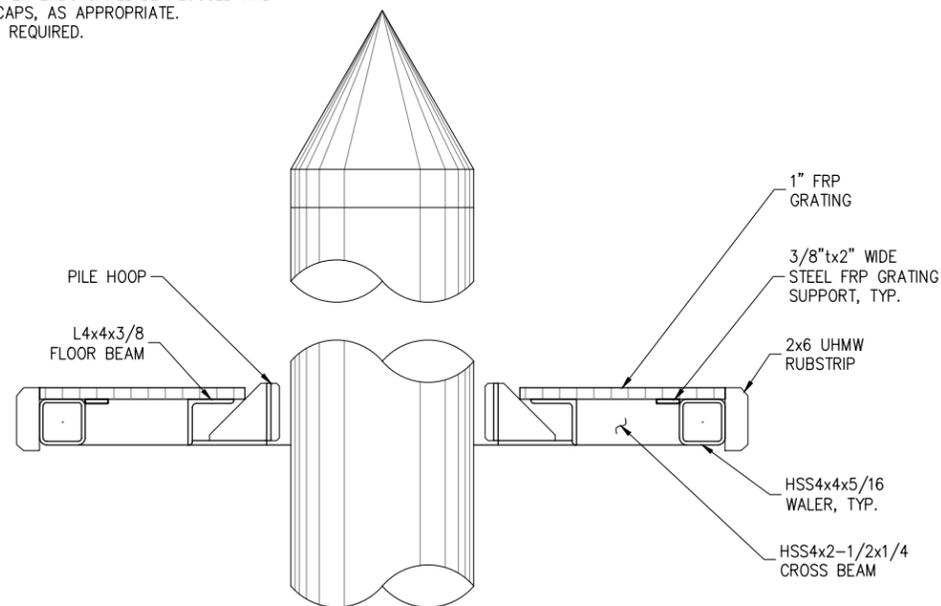


WELD NOTES:

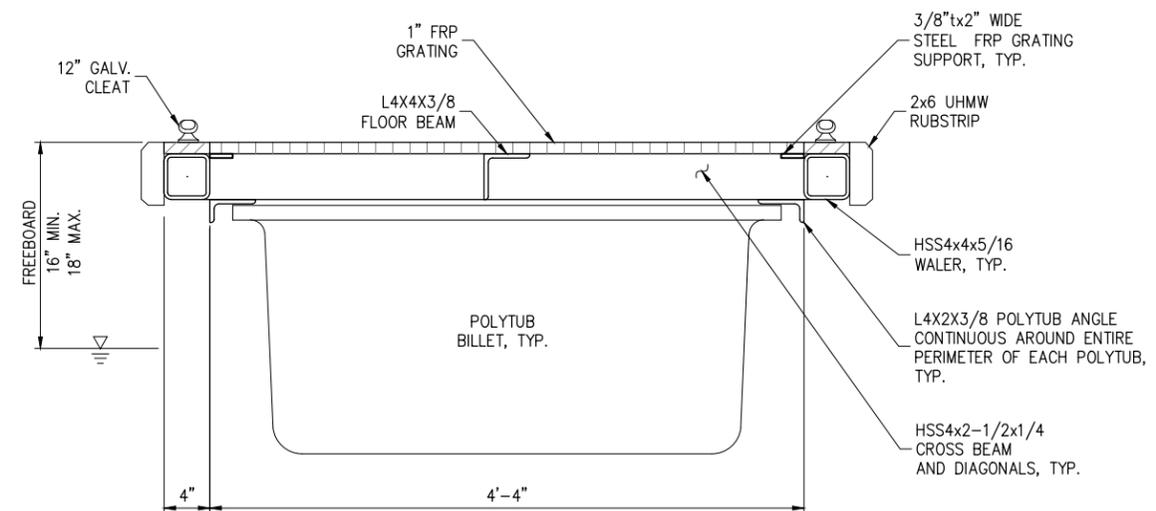
1. WELD ALL JOINTS WITH 5/16" FILLET, ALL AROUND, OR EQUIVALENT BEVEL, UNLESS OTHERWISE NOTED.
2. MAX VENT HOLES FOR GALVANIZING SHALL NOT EXCEED 1/2" Ø, ANY LARGER HOLES OR OPEN ENDS SHALL BE PLUGGED AND SEAL WELDED WITH END CAPS, AS APPROPRIATE.
3. REPAIR ALL COATINGS AS REQUIRED.

NOTE: DECK SUPPORTS AND POLYTUB ANGLES NOT SHOWN.

5'x45' FINGER FLOAT FRAMING PLAN



SECTION VIEW AT PILE



TYPICAL SECTION

100% REVIEW SUBMITTAL

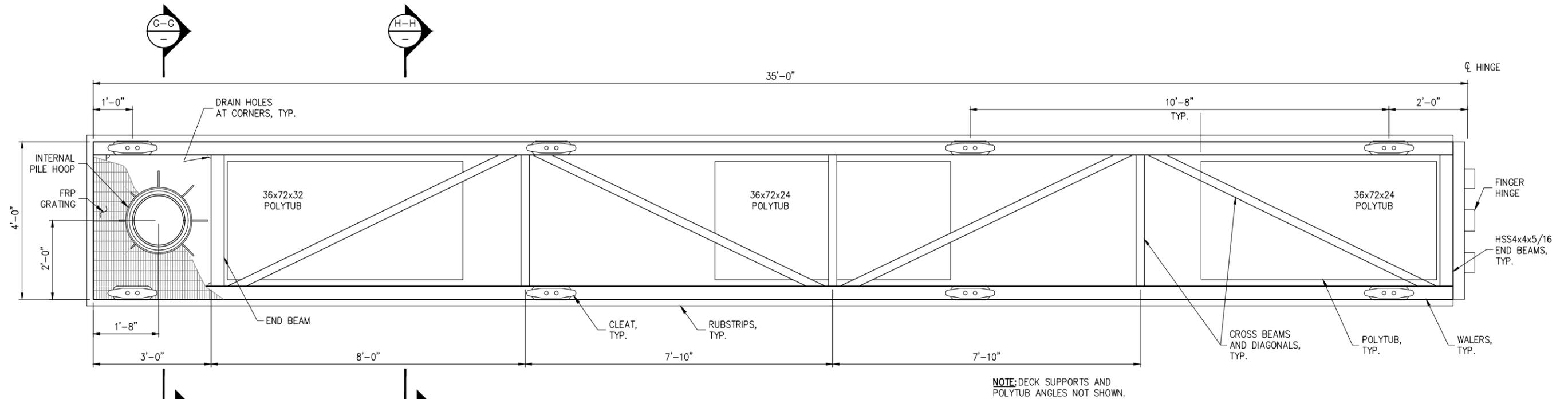


3240 Eastlake Avenue E.
Seattle, Washington 98102
P: 206.624.1387
www.pndengineers.com

PND ENGINEERS, INC. IS NOT RESPONSIBLE FOR SAFETY PROGRAMS, METHODS OR PROCEDURES OF OPERATION, OR THE CONSTRUCTION OF THE DESIGN SHOWN ON THESE DRAWINGS. WHERE SPECIFICATIONS ARE GENERAL OR NOT CALLED OUT, THE SPECIFICATIONS SHALL CONFORM TO STANDARDS OF INDUSTRY. DRAWINGS ARE FOR USE ON THIS PROJECT ONLY AND ARE NOT INTENDED FOR REUSE WITHOUT WRITTEN APPROVAL FROM PND. DRAWINGS ARE ALSO NOT TO BE USED IN ANY MANNER THAT WOULD CONSTITUTE A DETRIMENT DIRECTLY OR INDIRECTLY TO PND.

REVISIONS		
REV	DATE	DESCRIPTION

PROJECT: DEPOE BAY HARBOR DOCKS 2-4 REPLACEMENT			
TITLE: 5'x45' FINGER FLOAT			
DESIGNED BY: JO	PROJECT NO: 224017	SHEET NO:	
DRAWN BY: WL	DATE: OCTOBER 2022		
CHECKED BY: RJ	SCALE: NOTED		
		S3.05	

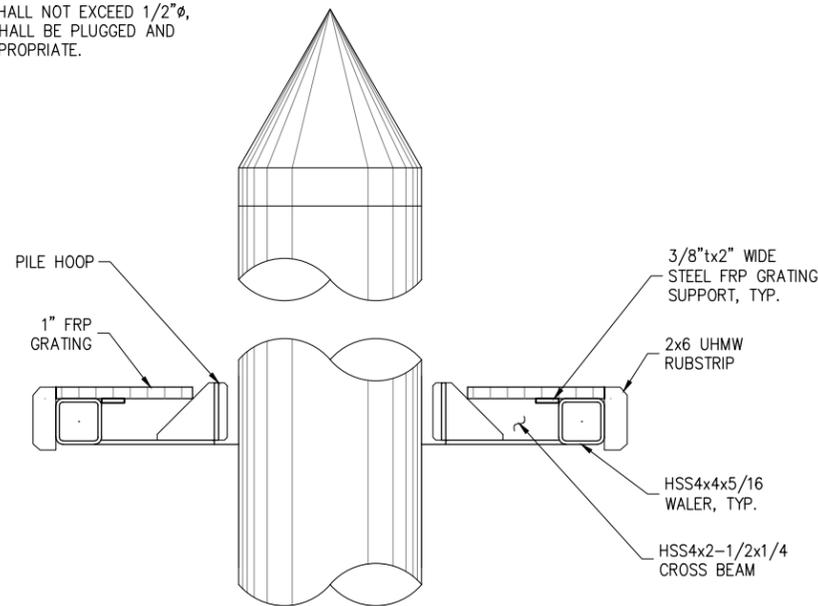


NOTE: DECK SUPPORTS AND POLYTUB ANGLES NOT SHOWN.

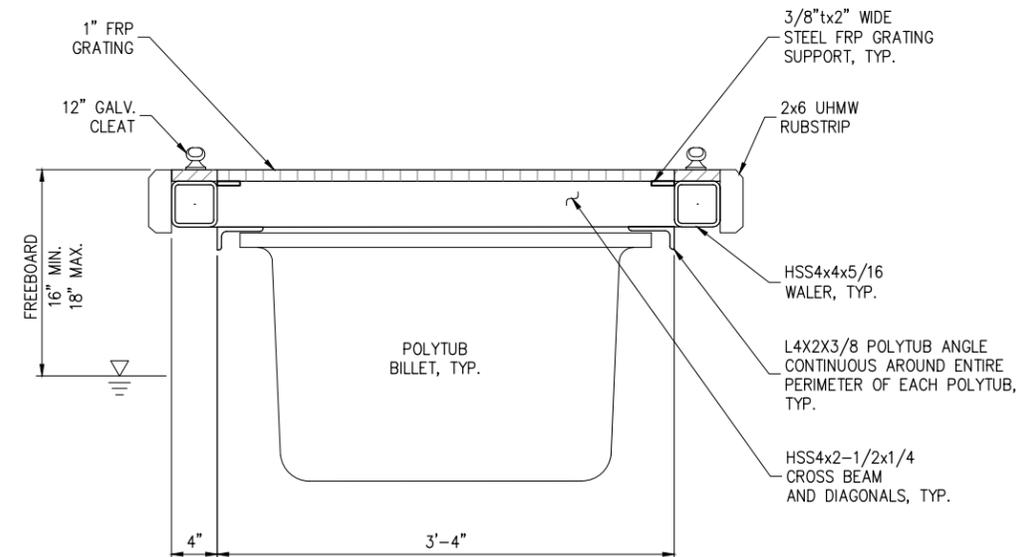
WELD NOTES:

1. WELD ALL JOINTS WITH 5/16" FILLET, ALL AROUND, OR EQUIVALENT BEVEL, UNLESS OTHERWISE NOTED.
2. MAX VENT HOLES FOR GALVANIZING SHALL NOT EXCEED 1/2"Ø, ANY LARGER HOLES OR OPEN ENDS SHALL BE PLUGGED AND SEAL WELDED WITH END CAPS, AS APPROPRIATE.
3. REPAIR ALL COATINGS AS REQUIRED.

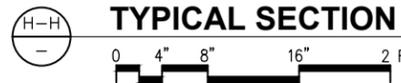
4'x35' FINGER FLOAT FRAMING PLAN



SECTION VIEW AT PILE



TYPICAL SECTION



100% REVIEW SUBMITTAL

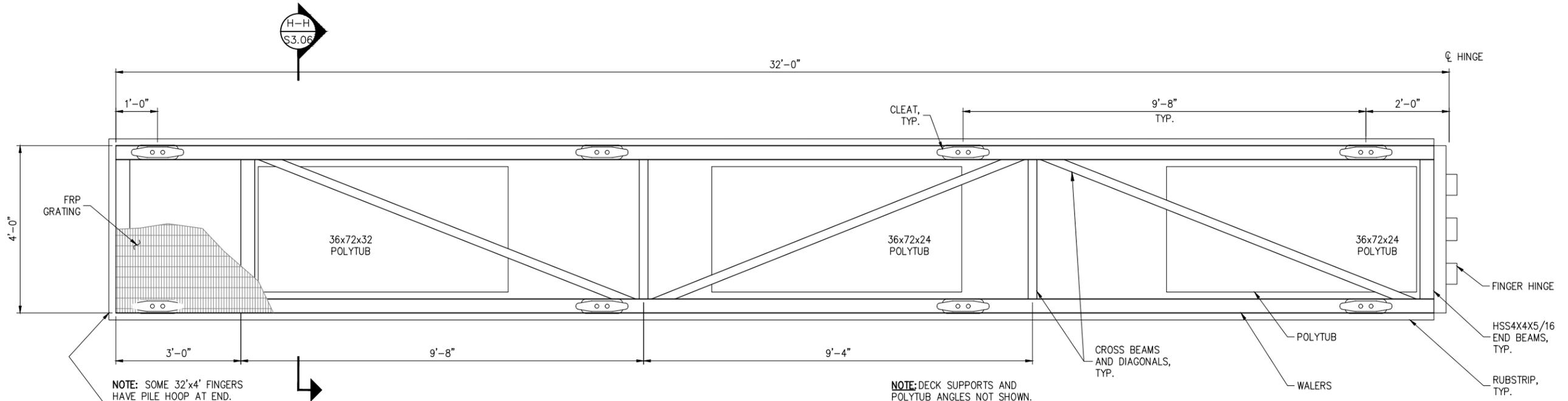
PND ENGINEERS, INC.
 3240 Eastlake Avenue E.
 Seattle, Washington 98102
 P: 206.624.1387
 www.pndengineers.com

PND ENGINEERS, INC. IS NOT RESPONSIBLE FOR SAFETY PROGRAMS, METHODS OR PROCEDURES OF OPERATION, OR THE CONSTRUCTION OF THE DESIGN SHOWN ON THESE DRAWINGS. WHERE SPECIFICATIONS ARE GENERAL OR NOT CALLED OUT, THE SPECIFICATIONS SHALL CONFORM TO STANDARDS OF INDUSTRY. DRAWINGS ARE FOR USE ON THIS PROJECT ONLY AND ARE NOT INTENDED FOR REUSE WITHOUT WRITTEN APPROVAL FROM PND. DRAWINGS ARE ALSO NOT TO BE USED IN ANY MANNER THAT WOULD CONSTITUTE A DETRIMENT DIRECTLY OR INDIRECTLY TO PND.

REVISIONS		
REV	DATE	DESCRIPTION

PROJECT: DEPOE BAY HARBOR DOCKS 2-4 REPLACEMENT			
TITLE: 4'x35' FINGER FLOAT			
DESIGNED BY: JO	PROJECT NO: 224017	SHEET NO:	
DRAWN BY: WL	DATE: OCTOBER 2022		
CHECKED BY: RJ	SCALE: NOTED		
		S3.06	

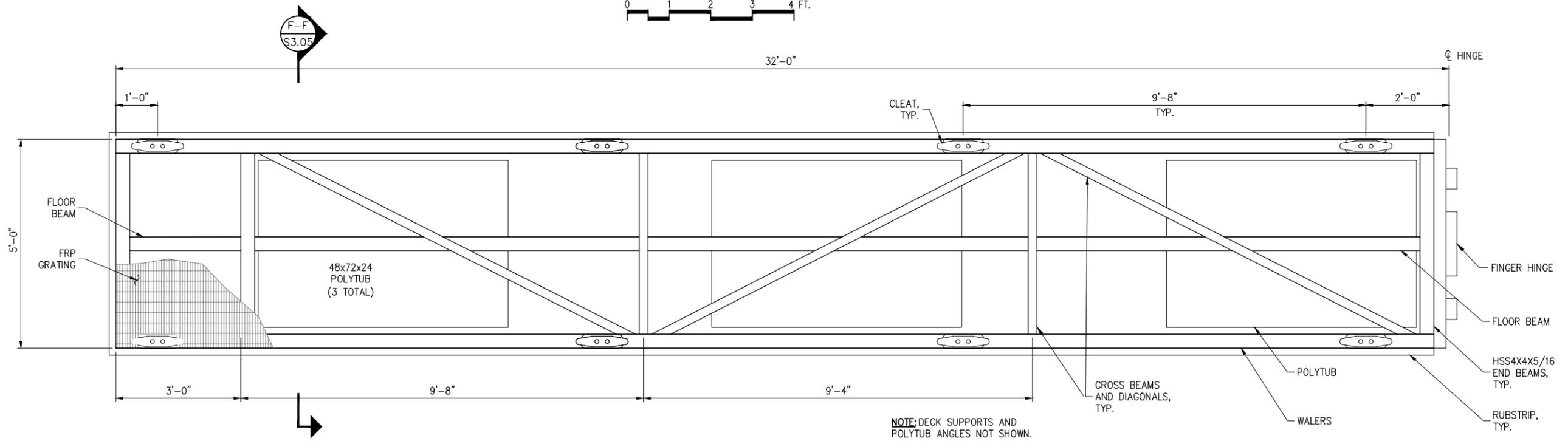
9/29/2022 9:26 AM K:\2022\224017 Depoe Bay Floats 2-4 Replacement\100% REVIEW SUBMITTAL\224017.S3.07.dwg



NOTE: SOME 32'x4' FINGERS HAVE PILE HOOP AT END. SIMILAR DETAIL TO 35' FINGER, TYP.

NOTE: DECK SUPPORTS AND POLYTUB ANGLES NOT SHOWN.

4'x32' FINGER FLOAT FRAMING PLAN



NOTE: DECK SUPPORTS AND POLYTUB ANGLES NOT SHOWN.

5'x32' FINGER FLOAT FRAMING PLAN



- WELD NOTES:**
1. WELD ALL JOINTS WITH 5/16" FILLET, ALL AROUND, OR EQUIVALENT BEVEL, UNLESS OTHERWISE NOTED.
 2. MAX VENT HOLES FOR GALVANIZING SHALL NOT EXCEED 1/2" Ø. ANY LARGER HOLES OR OPEN ENDS SHALL BE PLUGGED AND SEAL WELDED WITH END CAPS, AS APPROPRIATE.
 3. REPAIR ALL COATINGS AS REQUIRED.

100% REVIEW SUBMITTAL

PND ENGINEERS, INC. IS NOT RESPONSIBLE FOR SAFETY PROGRAMS, METHODS OR PROCEDURES OF OPERATION, OR THE CONSTRUCTION OF THE DESIGN SHOWN ON THESE DRAWINGS. WHERE SPECIFICATIONS ARE GENERAL OR NOT CALLED OUT, THE SPECIFICATIONS SHALL CONFORM TO STANDARDS OF INDUSTRY. DRAWINGS ARE FOR USE ON THIS PROJECT ONLY AND ARE NOT INTENDED FOR REUSE WITHOUT WRITTEN APPROVAL FROM PND. DRAWINGS ARE ALSO NOT TO BE USED IN ANY MANNER THAT WOULD CONSTITUTE A DETRIMENT DIRECTLY OR INDIRECTLY TO PND.

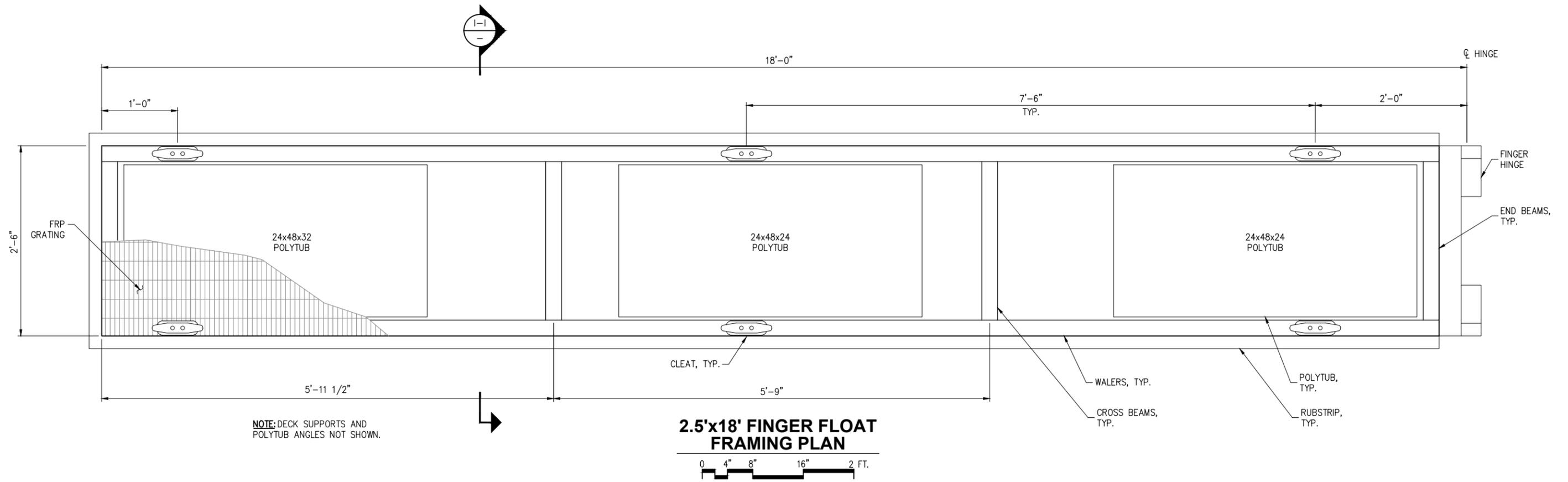
REVISIONS		
REV	DATE	DESCRIPTION

PROJECT: DEPOE BAY HARBOR DOCKS 2-4 REPLACEMENT

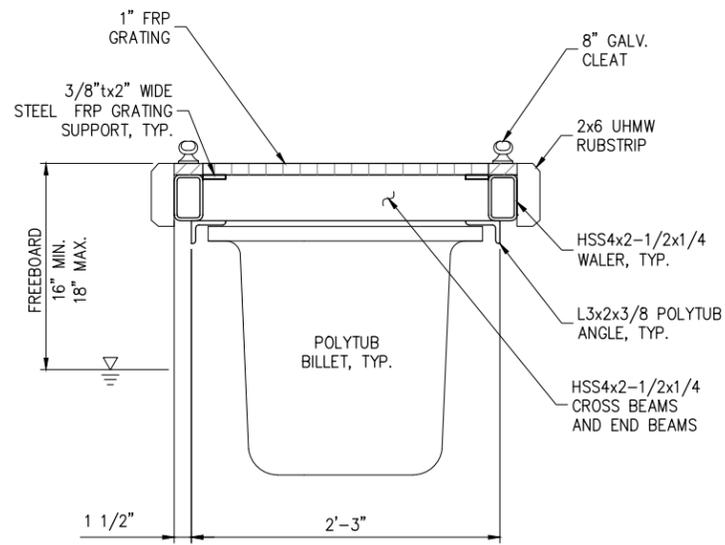
TITLE: 4'x32' AND 5'x32' FINGER FLOAT

DESIGNED BY: JO	PROJECT NO: 224017	SHEET NO:
DRAWN BY: WL	DATE: OCTOBER 2022	S3.07
CHECKED BY: RJ	SCALE: NOTED	

10/4/2022 3:19 PM K:\2022\224017 Depoe Bay Floats 2-4 Replacement\100% REVIEW SUBMITTAL\224017.S3.08.dwg



2.5'x18' FINGER FLOAT FRAMING PLAN



TYPICAL SECTION



WELD NOTES:

1. WELD ALL JOINTS WITH 5/16" FILLET, ALL AROUND, OR EQUIVALENT BEVEL, UNLESS OTHERWISE NOTED.
2. MAX VENT HOLES FOR GALVANIZING SHALL NOT EXCEED 1/2" Ø, ANY LARGER HOLES OR OPEN ENDS SHALL BE PLUGGED AND SEAL WELDED WITH END CAPS, AS APPROPRIATE.
3. REPAIR ALL COATINGS AS REQUIRED.

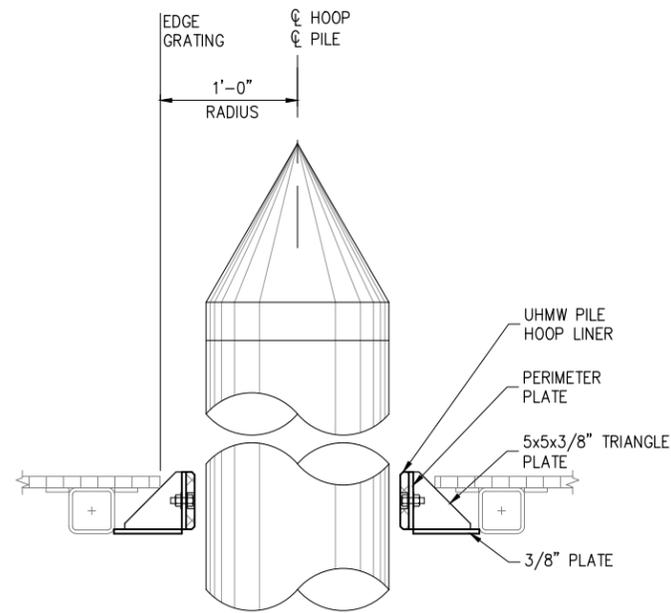
100% REVIEW SUBMITTAL

P | N | D
ENGINEERS, INC.
3240 Eastlake Avenue E.
Seattle, Washington 98102
P: 206.624.1387
www.pndengineers.com

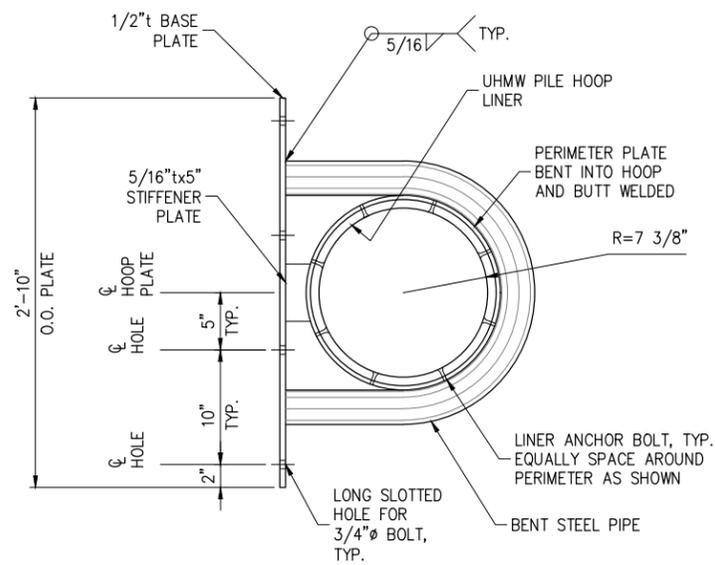
PND ENGINEERS, INC. IS NOT RESPONSIBLE FOR SAFETY PROGRAMS, METHODS OR PROCEDURES OF OPERATION, OR THE CONSTRUCTION OF THE DESIGN SHOWN ON THESE DRAWINGS. WHERE SPECIFICATIONS ARE GENERAL OR NOT CALLED OUT, THE SPECIFICATIONS SHALL CONFORM TO STANDARDS OF INDUSTRY. DRAWINGS ARE FOR USE ON THIS PROJECT ONLY AND ARE NOT INTENDED FOR REUSE WITHOUT WRITTEN APPROVAL FROM PND. DRAWINGS ARE ALSO NOT TO BE USED IN ANY MANNER THAT WOULD CONSTITUTE A DETRIMENT DIRECTLY OR INDIRECTLY TO PND.

REVISIONS		
REV	DATE	DESCRIPTION

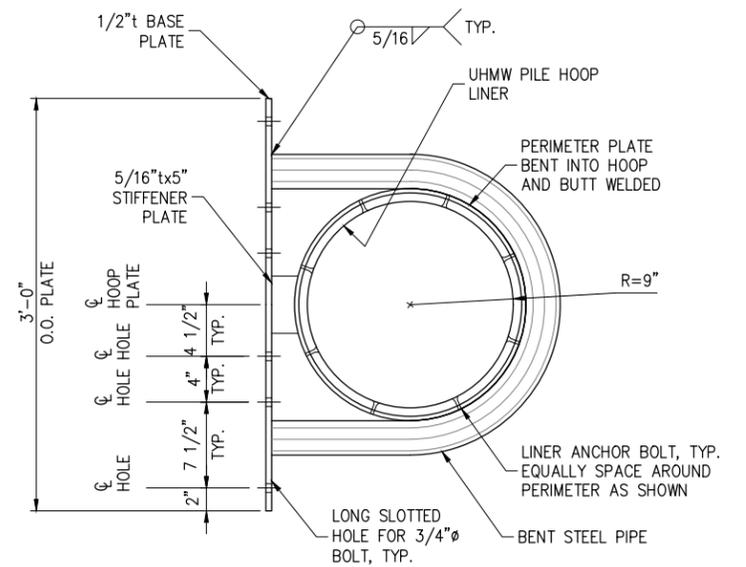
PROJECT: DEPOE BAY HARBOR DOCKS 2-4 REPLACEMENT			
TITLE: 2.5'x18' FINGER FLOAT			
DESIGNED BY: JO	PROJECT NO: 224017	SHEET NO: S3.08	
DRAWN BY: WL	DATE: OCTOBER 2022		
CHECKED BY: RJ	SCALE: NOTED		



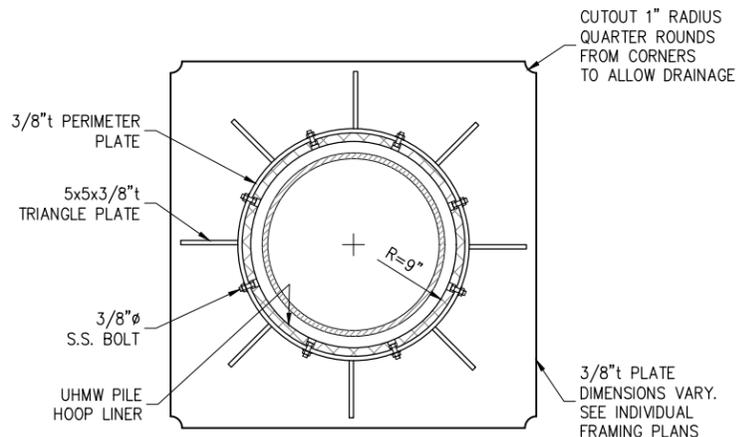
SECTION



EXTERNAL 12.75" PILE HOOP PLAN

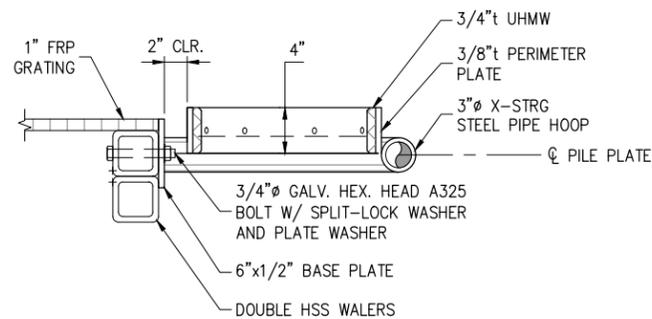


EXTERNAL 16" PILE HOOP PLAN

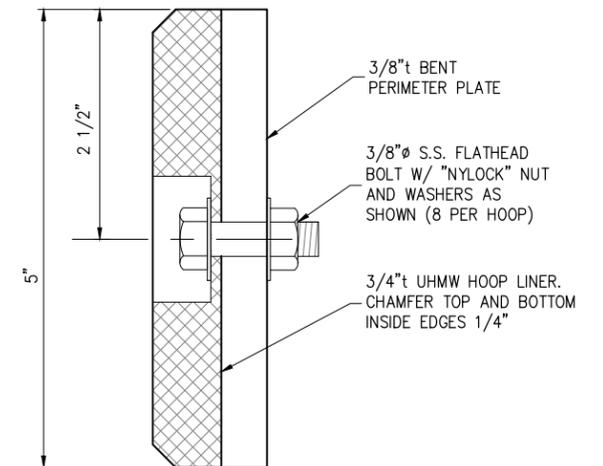


PLAN

TYPICAL INTERNAL PILE HOOP



EXTERNAL PILE HOOP ELEVATION



TYPICAL PILE HOOP SECTION

WELD NOTES:

1. WELD ALL JOINTS WITH 5/16" FILLET, ALL AROUND, OR EQUIVALENT BEVEL, UNLESS OTHERWISE NOTED.
2. MAX VENT HOLES FOR GALVANIZING SHALL NOT EXCEED 1/2"Ø, ANY LARGER HOLES OR OPEN ENDS SHALL BE PLUGGED AND SEAL WELDED WITH END CAPS, AS APPROPRIATE.
3. REPAIR ALL COATINGS AS REQUIRED.

100% REVIEW SUBMITTAL

PND ENGINEERS, INC.
 3240 Eastlake Avenue E
 Seattle, Washington 98102
 P: 206.624.1387
 www.pndengineers.com

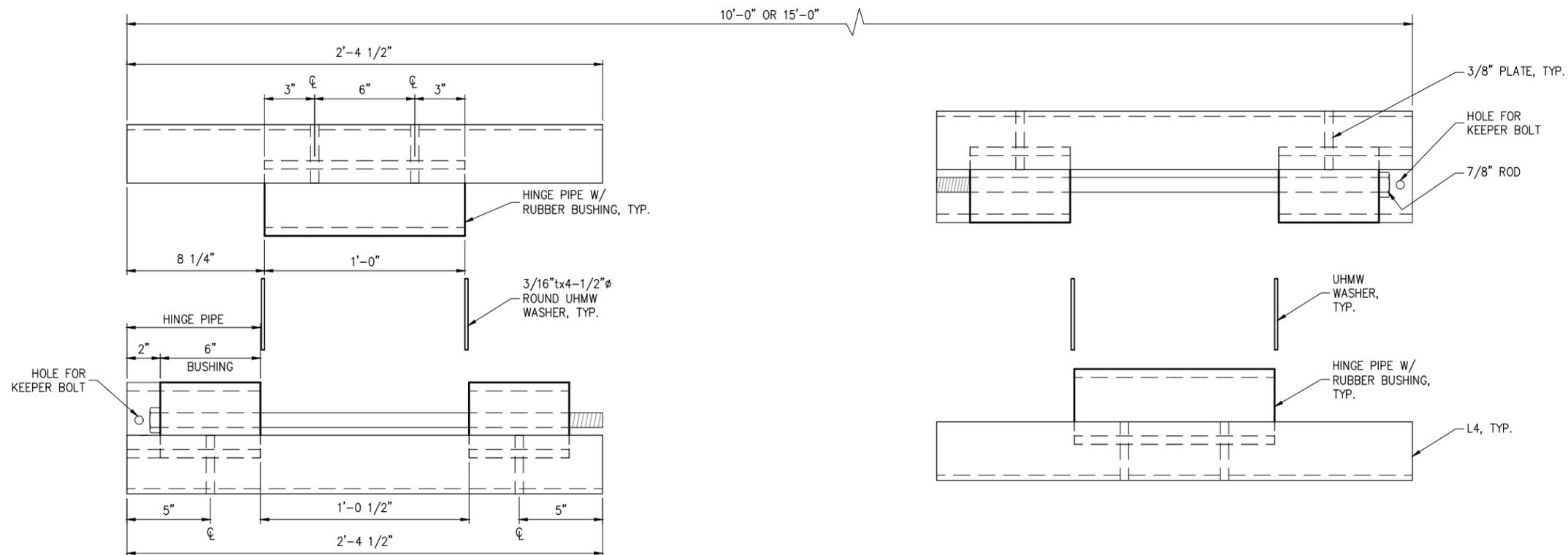
PND ENGINEERS, INC. IS NOT RESPONSIBLE FOR SAFETY PROGRAMS, METHODS OR PROCEDURES OF OPERATION, OR THE CONSTRUCTION OF THE DESIGN SHOWN ON THESE DRAWINGS. WHERE SPECIFICATIONS ARE GENERAL OR NOT CALLED OUT, THE SPECIFICATIONS SHALL CONFORM TO STANDARDS OF INDUSTRY. DRAWINGS ARE FOR USE ON THIS PROJECT ONLY AND ARE NOT INTENDED FOR REUSE WITHOUT WRITTEN APPROVAL FROM PND. DRAWINGS ARE ALSO NOT TO BE USED IN ANY MANNER THAT WOULD CONSTITUTE A DETRIMENT DIRECTLY OR INDIRECTLY TO PND.

REVISIONS	
REV	DESCRIPTION

PROJECT: DEPOE BAY HARBOR DOCKS 2-4 REPLACEMENT			
TITLE: PILE HOOP DETAILS			
DESIGNED BY: JO	PROJECT NO: 224017	SHEET NO:	
DRAWN BY: WL	DATE: OCTOBER 2022		
CHECKED BY: RJ	SCALE: NOTED		
		S4.01	

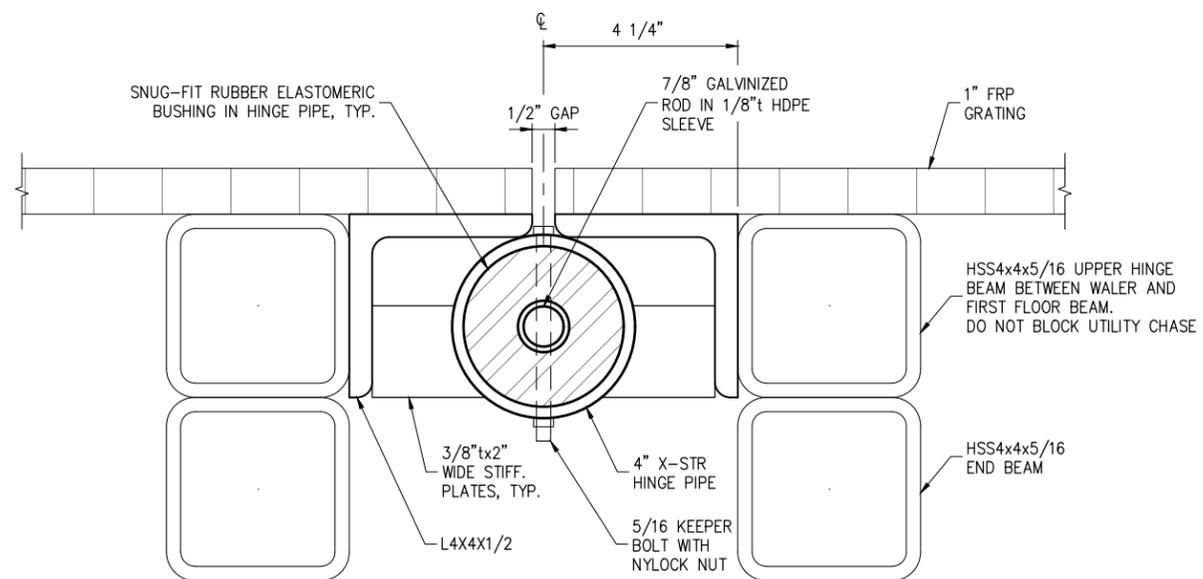
10/4/2022 3:20 PM K:\2022\224017 Depoe Bay Floats 2-4 Replacement\100% REVIEW SUBMITTAL\224017_S4.01.dwg

10/4/2022 3:32 PM K:\2022\224017 Depoe Bay Floats 2-4 Replacement\100% REVIEW SUBMITTAL\224017_S4.02.dwg



HINGE PLAN

UPPER HINGE BEAM NOT SHOWN



HINGE SECTION

WELD NOTES:

1. WELD ALL JOINTS WITH 5/16" FILLET, ALL AROUND, OR EQUIVALENT BEVEL, UNLESS OTHERWISE NOTED.
2. MAX VENT HOLES FOR GALVANIZING SHALL NOT EXCEED 1/2"Ø, ANY LARGER HOLES OR OPEN ENDS SHALL BE PLUGGED AND SEAL WELDED WITH END CAPS, AS APPROPRIATE.
3. REPAIR ALL COATINGS AS REQUIRED.

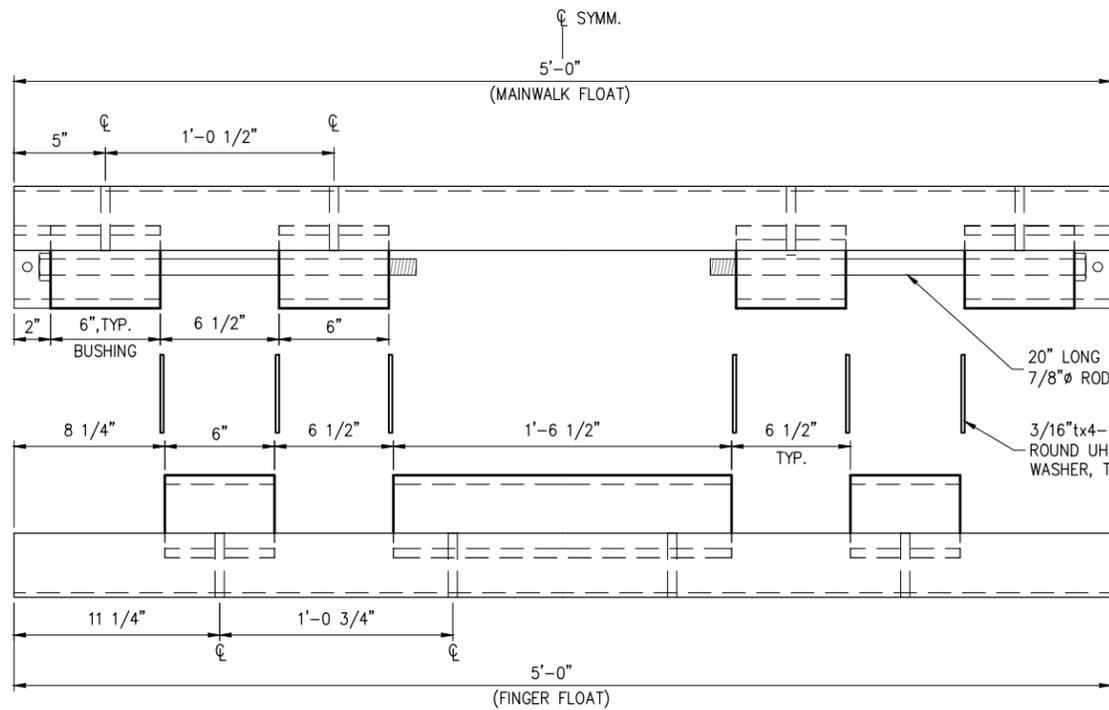
100% REVIEW SUBMITTAL

P | N | D
ENGINEERS, INC.
3240 Eastlake Avenue E.
Seattle, Washington 98102
P: 206.624.1387
www.pndengineers.com

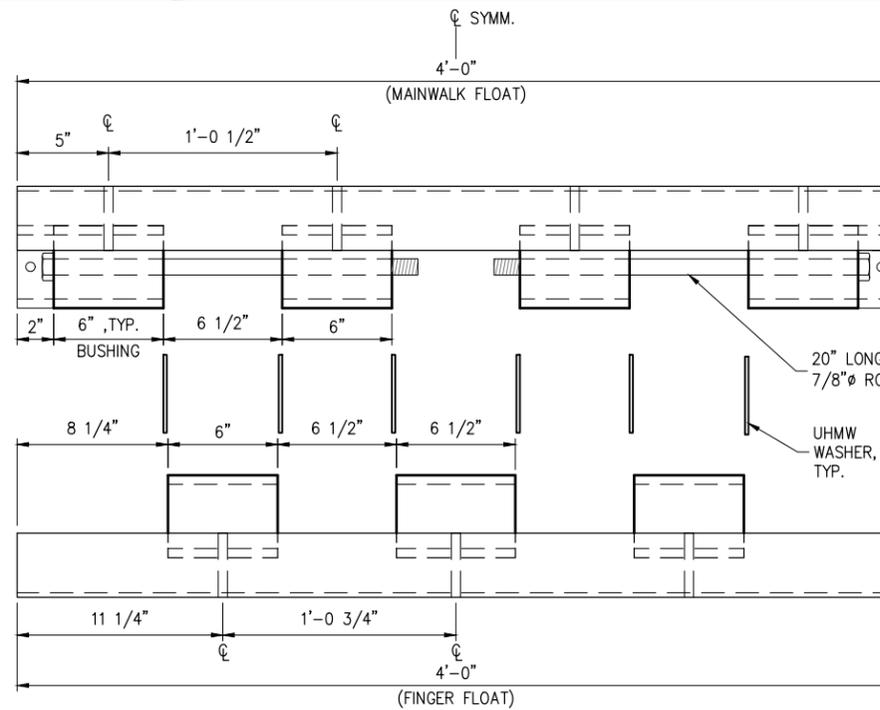
PND ENGINEERS, INC. IS NOT RESPONSIBLE FOR SAFETY PROGRAMS, METHODS OR PROCEDURES OF OPERATION, OR THE CONSTRUCTION OF THE DESIGN SHOWN ON THESE DRAWINGS. WHERE SPECIFICATIONS ARE GENERAL OR NOT CALLED OUT, THE SPECIFICATIONS SHALL CONFORM TO STANDARDS OF INDUSTRY. DRAWINGS ARE FOR USE ON THIS PROJECT ONLY AND ARE NOT INTENDED FOR REUSE WITHOUT WRITTEN APPROVAL FROM PND. DRAWINGS ARE ALSO NOT TO BE USED IN ANY MANNER THAT WOULD CONSTITUTE A DETRIMENT DIRECTLY OR INDIRECTLY TO PND.

REVISIONS		
REV	DATE	DESCRIPTION

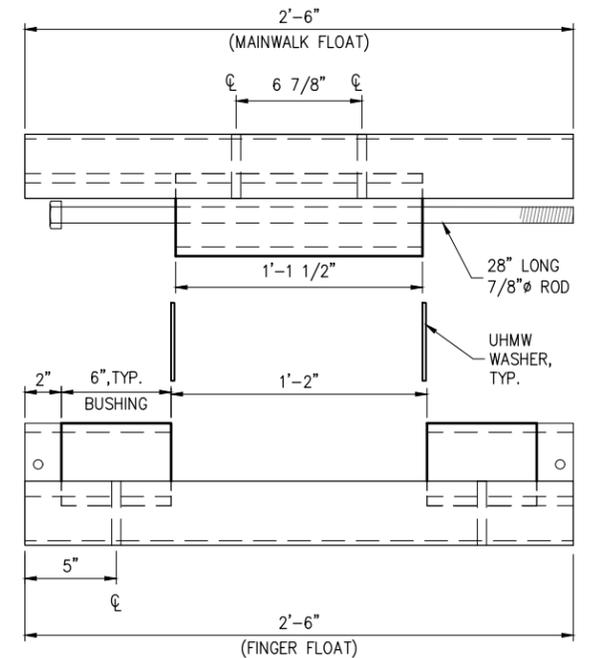
PROJECT: DEPOE BAY HARBOR DOCKS 2-4 REPLACEMENT			
TITLE: MAINWALK FLOAT CONNECTION HINGE			
DESIGNED BY: JO	PROJECT NO: 224017	SHEET NO:	
DRAWN BY: WL	DATE: OCTOBER 2022		
CHECKED BY: RJ	SCALE: NOTED		
		S4.02	



5' FINGER TO MAINFLOAT CONNECTION HINGE

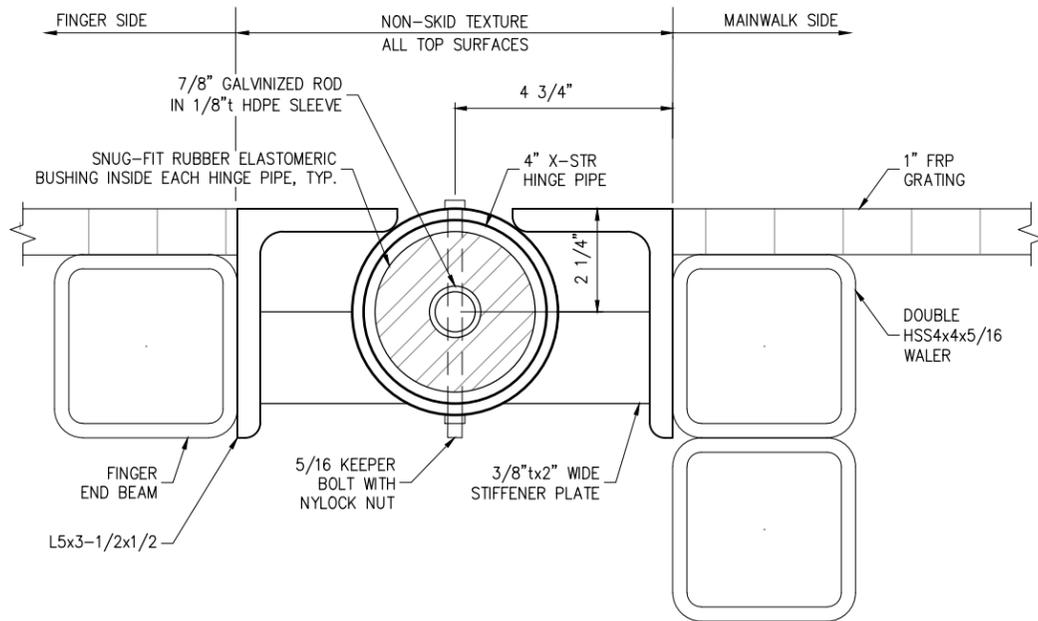


4' FINGER TO MAINFLOAT CONNECTION HINGE

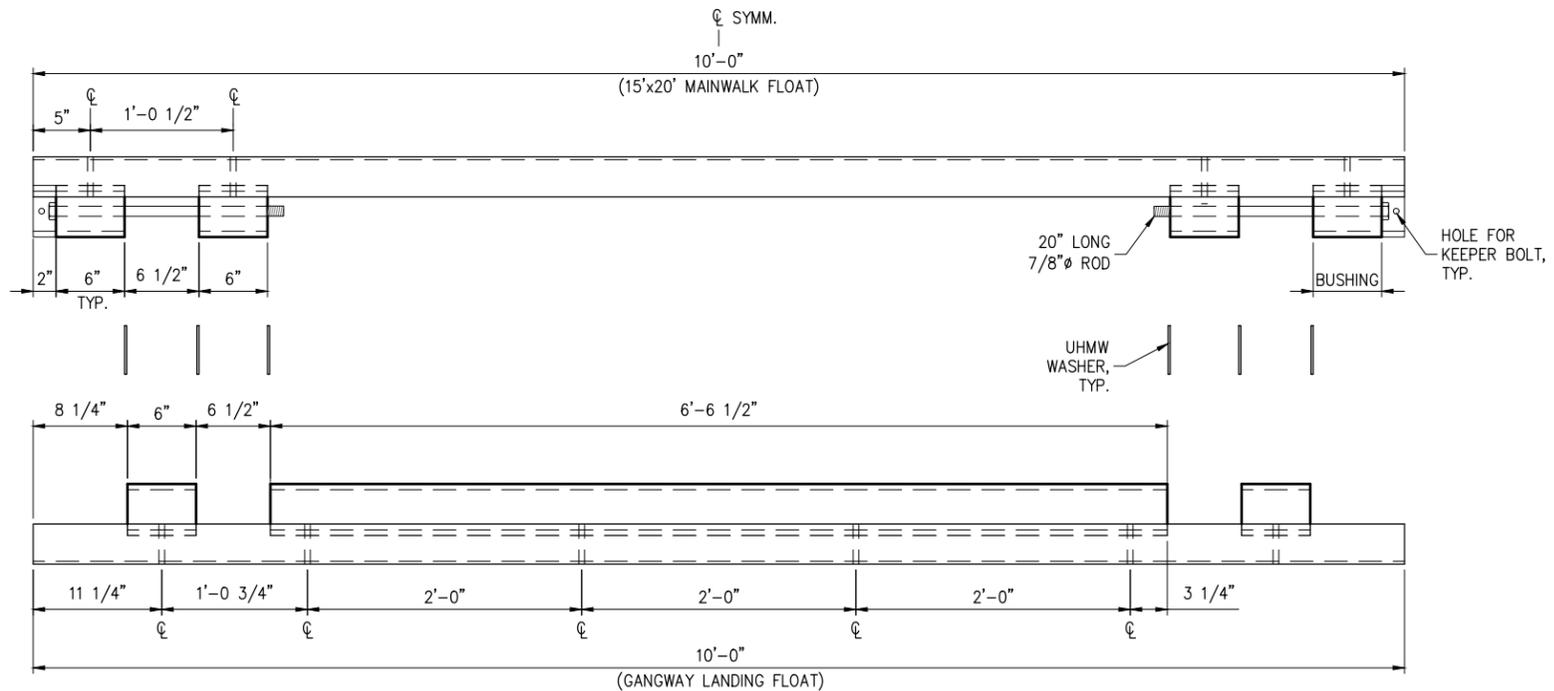


2.5' FINGER TO MAINFLOAT CONNECTION HINGE

- WELD NOTES:**
1. WELD ALL JOINTS WITH 5/16" FILLET, ALL AROUND, OR EQUIVALENT BEVEL, UNLESS OTHERWISE NOTED.
 2. MAX VENT HOLES FOR GALVANIZING SHALL NOT EXCEED 1/2"Ø, ANY LARGER HOLES OR OPEN ENDS SHALL BE PLUGGED AND SEAL WELDED WITH END CAPS, AS APPROPRIATE.
 3. REPAIR ALL COATINGS AS REQUIRED.



FINGER TO MAINFLOAT CONNECTION HINGE SECTION



GANGWAY TO MAINFLOAT CONNECTION HINGE

100% REVIEW SUBMITTAL

PND ENGINEERS, INC.
 3240 Eastlake Avenue E.
 Seattle, Washington 98102
 P: 206.624.1387
 www.pndengineers.com

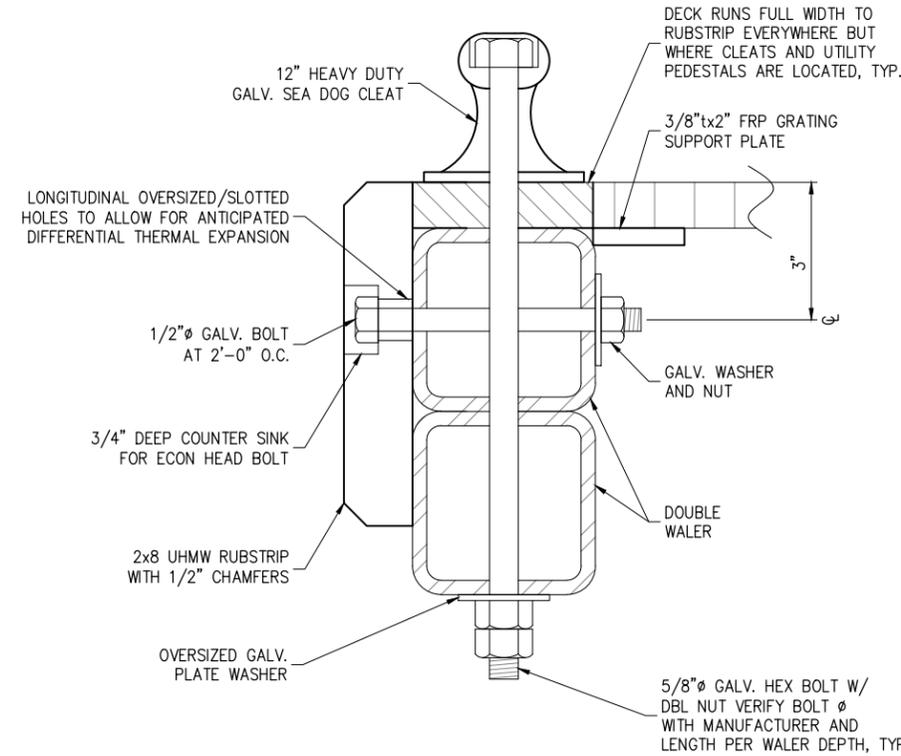
PND ENGINEERS, INC. IS NOT RESPONSIBLE FOR SAFETY PROGRAMS, METHODS OR PROCEDURES OF OPERATION, OR THE CONSTRUCTION OF THE DESIGN SHOWN ON THESE DRAWINGS. WHERE SPECIFICATIONS ARE GENERAL OR NOT CALLED OUT, THE SPECIFICATIONS SHALL CONFORM TO STANDARDS OF INDUSTRY. DRAWINGS ARE FOR USE ON THIS PROJECT ONLY AND ARE NOT INTENDED FOR REUSE WITHOUT WRITTEN APPROVAL FROM PND. DRAWINGS ARE ALSO NOT TO BE USED IN ANY MANNER THAT WOULD CONSTITUTE A DETRIMENT DIRECTLY OR INDIRECTLY TO PND.

REVISIONS		
REV	DATE	DESCRIPTION

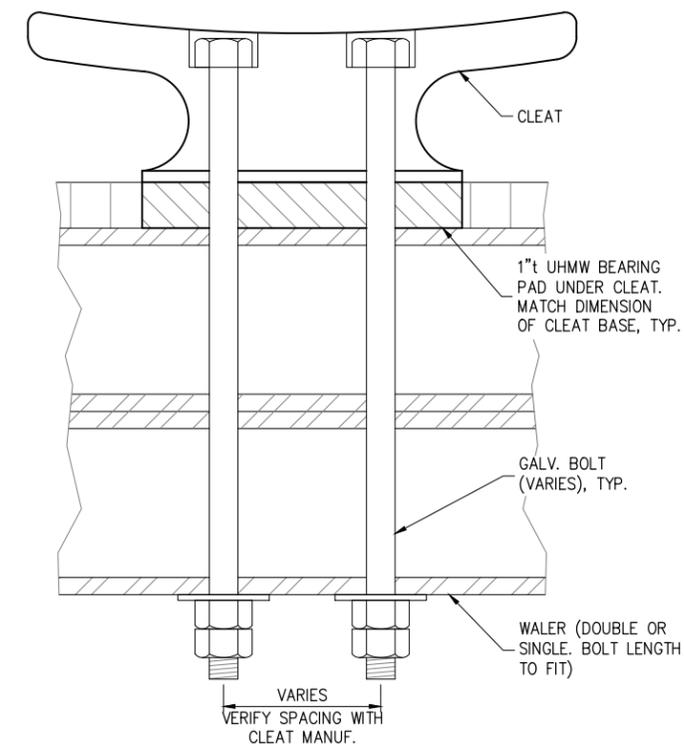
PROJECT: DEPOE BAY HARBOR DOCKS 2-4 REPLACEMENT			
TITLE: GANGWAY LANDING AND FINGER TO MAINWALK CONNECTION HINGES			
DESIGNED BY: JO	PROJECT NO: 224017	SHEET NO:	
DRAWN BY: WL	DATE: OCTOBER 2022		
CHECKED BY: RJ	SCALE: NOTED		
		S4.03	

K:\2022\224017 Depoe Bay Floats 2-4 Replacement\100% REVIEW SUBMITTAL\224017_S4.03.dwg

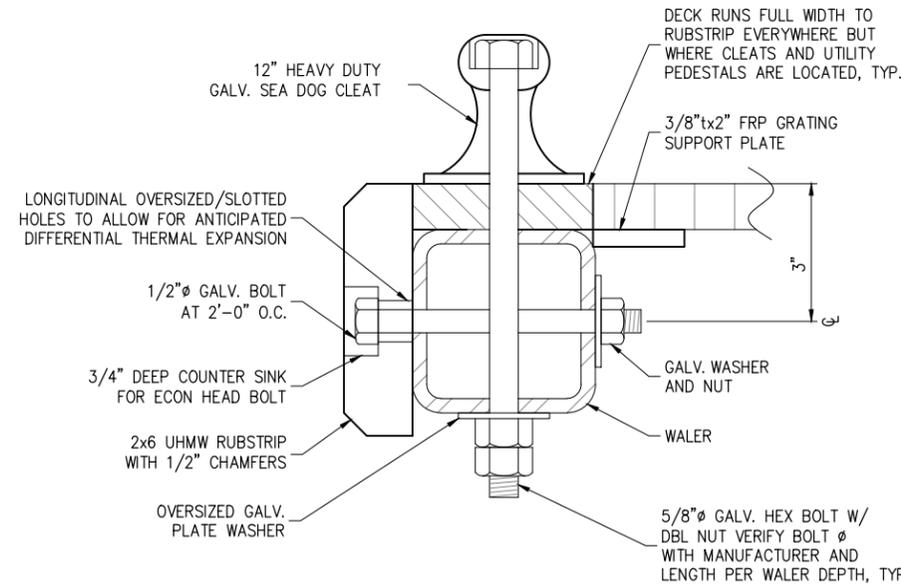
10/4/2022 3:23 PM K:\2022\224017 Depoe Bay Floats 2-4 Replacement\100% REVIEW SUBMITTAL\224017_S4.04.dwg



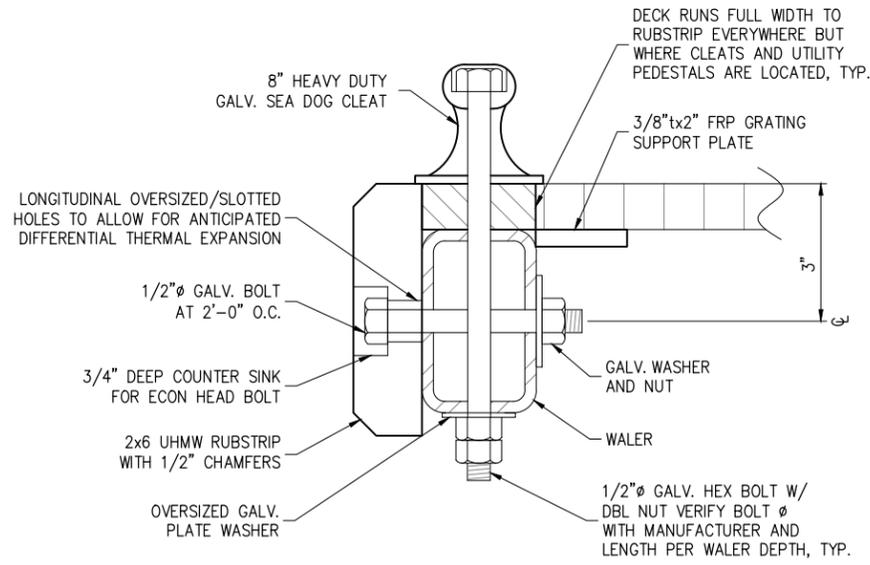
TRANSVERSE SECTION
ON MAINWALKS



LONGITUDINAL SECTION



TRANSVERSE SECTION
ON 4-FT AND 5-FT FINGERS



TRANSVERSE SECTION
ON 2.5-FT FINGERS

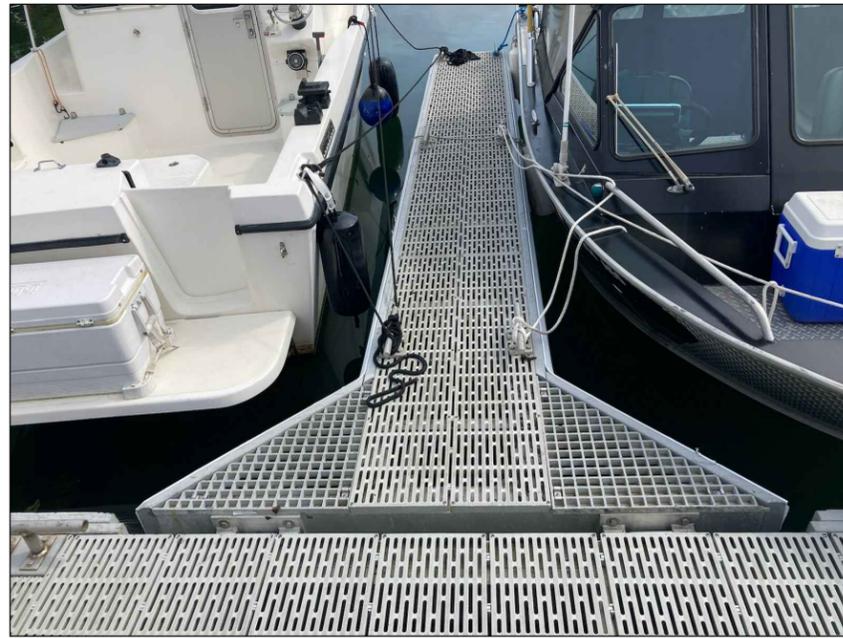
100% REVIEW SUBMITTAL

P | N | D
ENGINEERS, INC.
3240 Eastlake Avenue E.
Seattle, Washington 98102
P: 206.624.1387
www.pndengineers.com

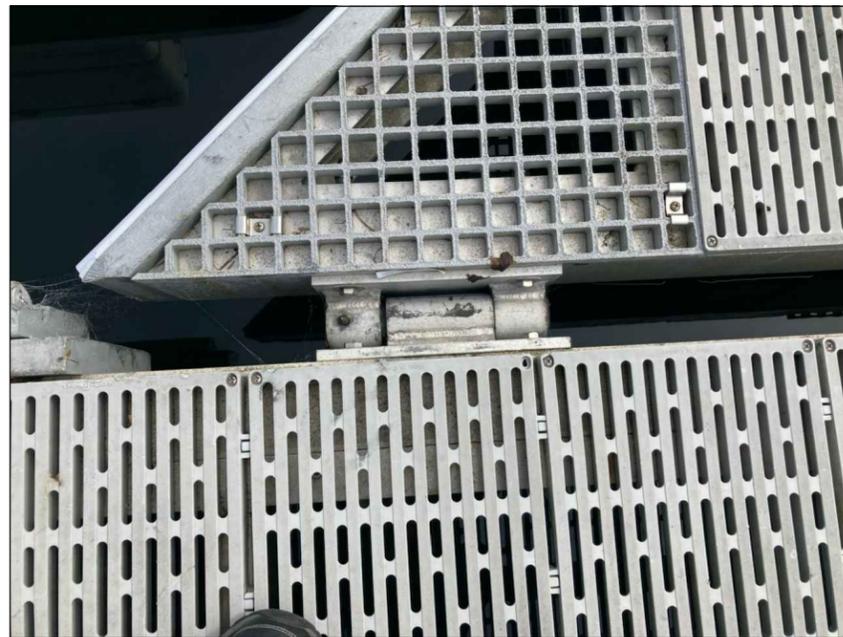
PND ENGINEERS, INC. IS NOT RESPONSIBLE FOR SAFETY PROGRAMS, METHODS OR PROCEDURES OF OPERATION, OR THE CONSTRUCTION OF THE DESIGN SHOWN ON THESE DRAWINGS. WHERE SPECIFICATIONS ARE GENERAL OR NOT CALLED OUT, THE SPECIFICATIONS SHALL CONFORM TO STANDARDS OF INDUSTRY. DRAWINGS ARE FOR USE ON THIS PROJECT ONLY AND ARE NOT INTENDED FOR REUSE WITHOUT WRITTEN APPROVAL FROM PND. DRAWINGS ARE ALSO NOT TO BE USED IN ANY MANNER THAT WOULD CONSTITUTE A DETRIMENT DIRECTLY OR INDIRECTLY TO PND.

REVISIONS		
REV	DATE	DESCRIPTION

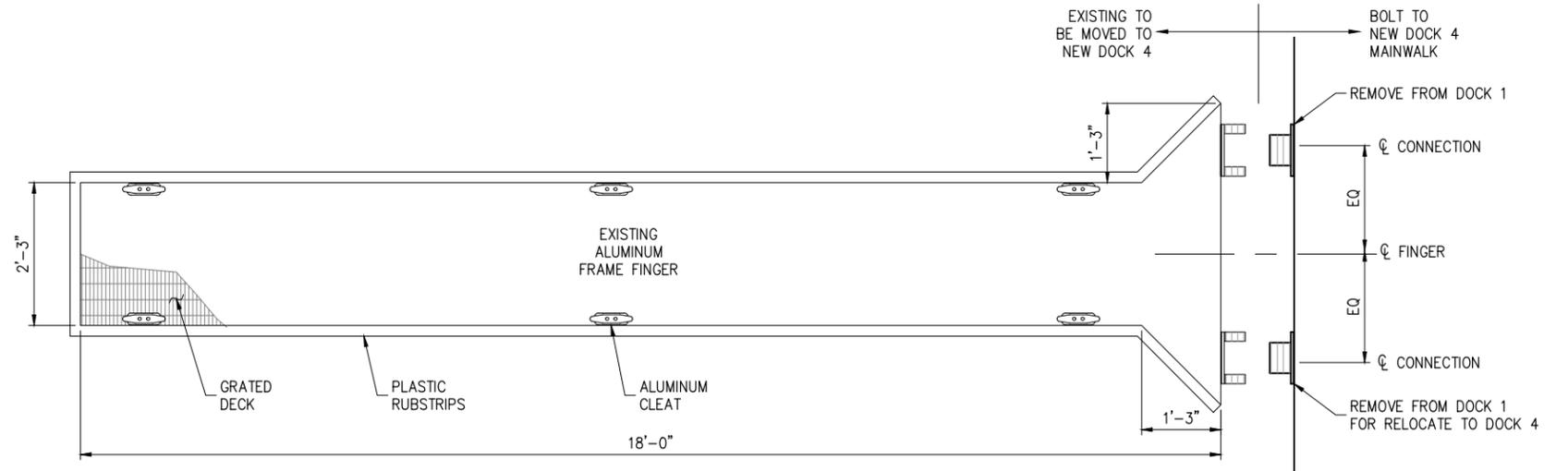
PROJECT: DEPOE BAY HARBOR DOCKS 2-4 REPLACEMENT			
TITLE: CLEAT AND RUBSTRIP DETAILS			
DESIGNED BY:	JO	PROJECT NO:	224017
DRAWN BY:	WL	DATE:	OCTOBER 2022
CHECKED BY:	RJ	SCALE:	NOTED
SHEET NO:			S4.04



EXISTING FINGER DOCK PHOTO

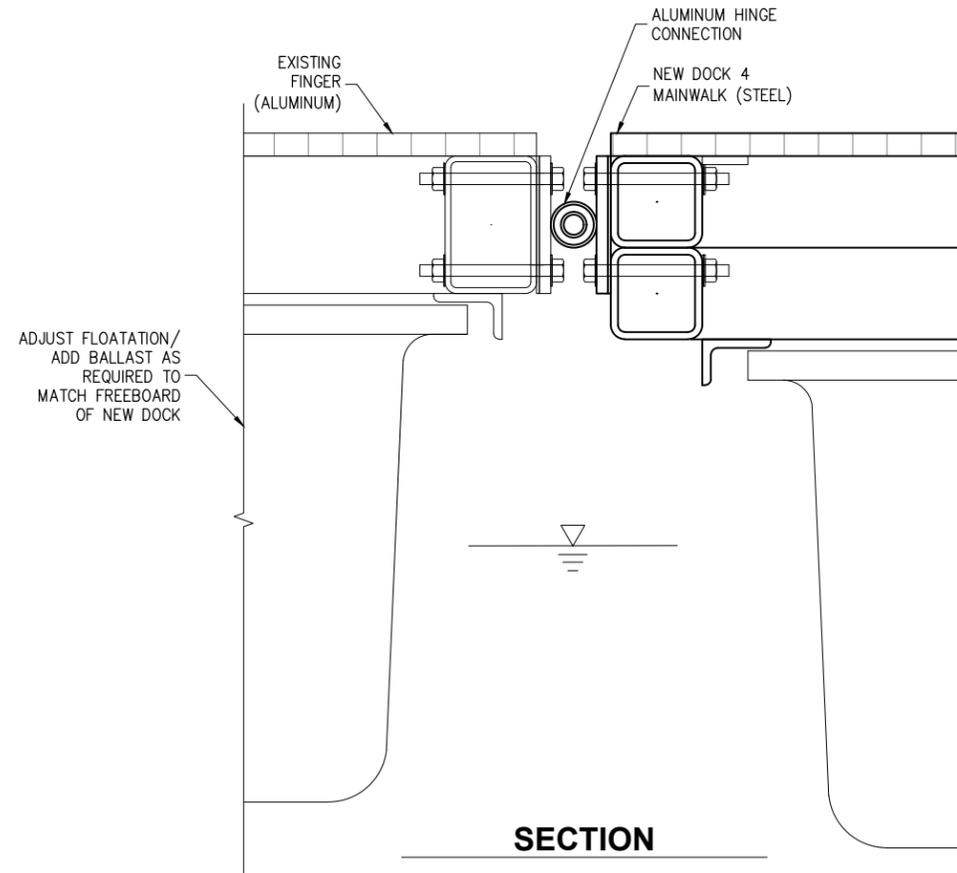


EXISTING HINGE CONNECTION PHOTO

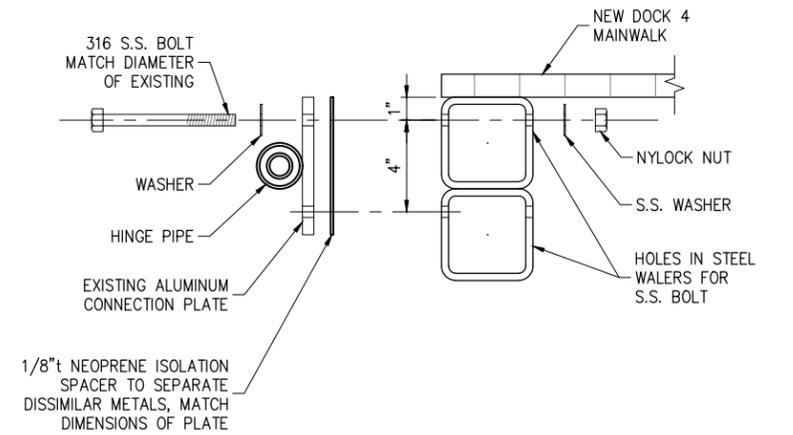


2'-3"x18' EXISTING ALUMINUM FINGER DOCK

NOTE:
CONTRACTOR SHALL FIELD MEASURE ALL CONNECTION DIMENSIONS AND DETAILS FOR RELOCATING AND ATTACHING EXISTING ALUMINUM FINGER DOCK TO NEW STEEL MAINWALK. DISSIMILAR METALS SHALL BE ISOLATED FROM CONTACT WITH EACH OTHER. ADJUST FLOATION AND/OR BALLAST ALUMINUM DOCK AS NEEDED TO MATCH FREEBOARD OF ADJOINING NEW DOCK 4 MAINWALK.



SECTION



ALUMINUM HINGE CONNECTION DETAIL

100% REVIEW SUBMITTAL

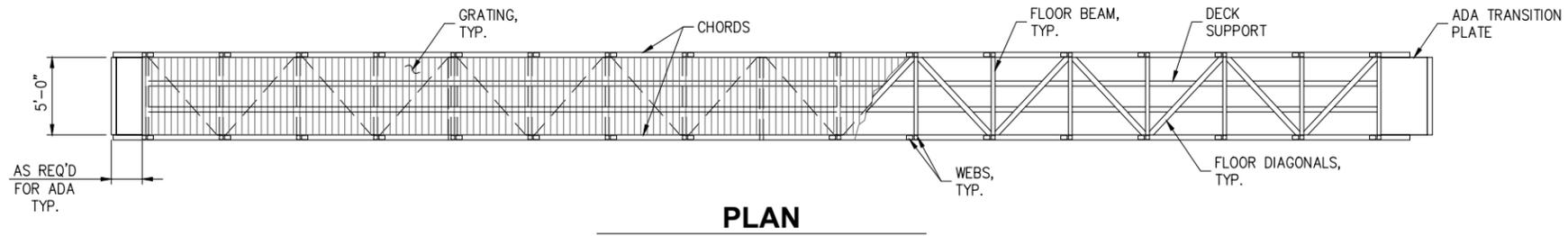


3240 Eastlake Avenue E.
Seattle, Washington 98102
P: 206.624.1387
www.pndengineers.com

PND ENGINEERS, INC. IS NOT RESPONSIBLE FOR SAFETY PROGRAMS, METHODS OR PROCEDURES OF OPERATION, OR THE CONSTRUCTION OF THE DESIGN SHOWN ON THESE DRAWINGS. WHERE SPECIFICATIONS ARE GENERAL OR NOT CALLED OUT, THE SPECIFICATIONS SHALL CONFORM TO STANDARDS OF INDUSTRY. DRAWINGS ARE FOR USE ON THIS PROJECT ONLY AND ARE NOT INTENDED FOR REUSE WITHOUT WRITTEN APPROVAL FROM PND. DRAWINGS ARE ALSO NOT TO BE USED IN ANY MANNER THAT WOULD CONSTITUTE A DETRIMENT DIRECTLY OR INDIRECTLY TO PND.

REVISIONS		
REV	DATE	DESCRIPTION

PROJECT: DEPOE BAY HARBOR DOCKS 2-4 REPLACEMENT			
TITLE: ALUMINUM FINGER DOCK RELOCATION			
DESIGNED BY: JO	PROJECT NO: 224017	SHEET NO:	
DRAWN BY: WL	DATE: OCTOBER 2022	S4.05	
CHECKED BY: RJ	SCALE: NOTED		



PLAN

PERFORMANCE SPECIFICATIONS:

GANGWAY PERFORMANCE CRITERIA

Gangway is design build by vendor to meet performance criteria requirements. Submit shop drawings and calculations for approval by Engineer.

SUPPLIED DETAILS

Details shown are for reference only. Gangway manufacturer may submit different details for attaching gangway at hanger end, bearing end (skid shoe or roller), transition plates, etc. Submit alternative details with calculations for approval.

APPLICABLE CODES

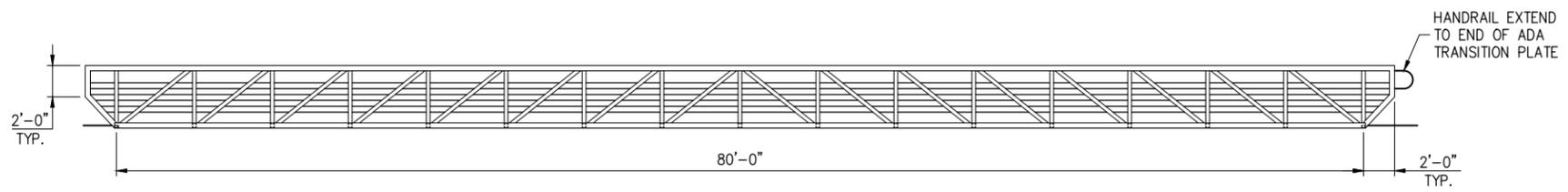
All local codes plus the Applicable Codes and Standards found in the Technical Specifications.

DESIGN CRITERIA

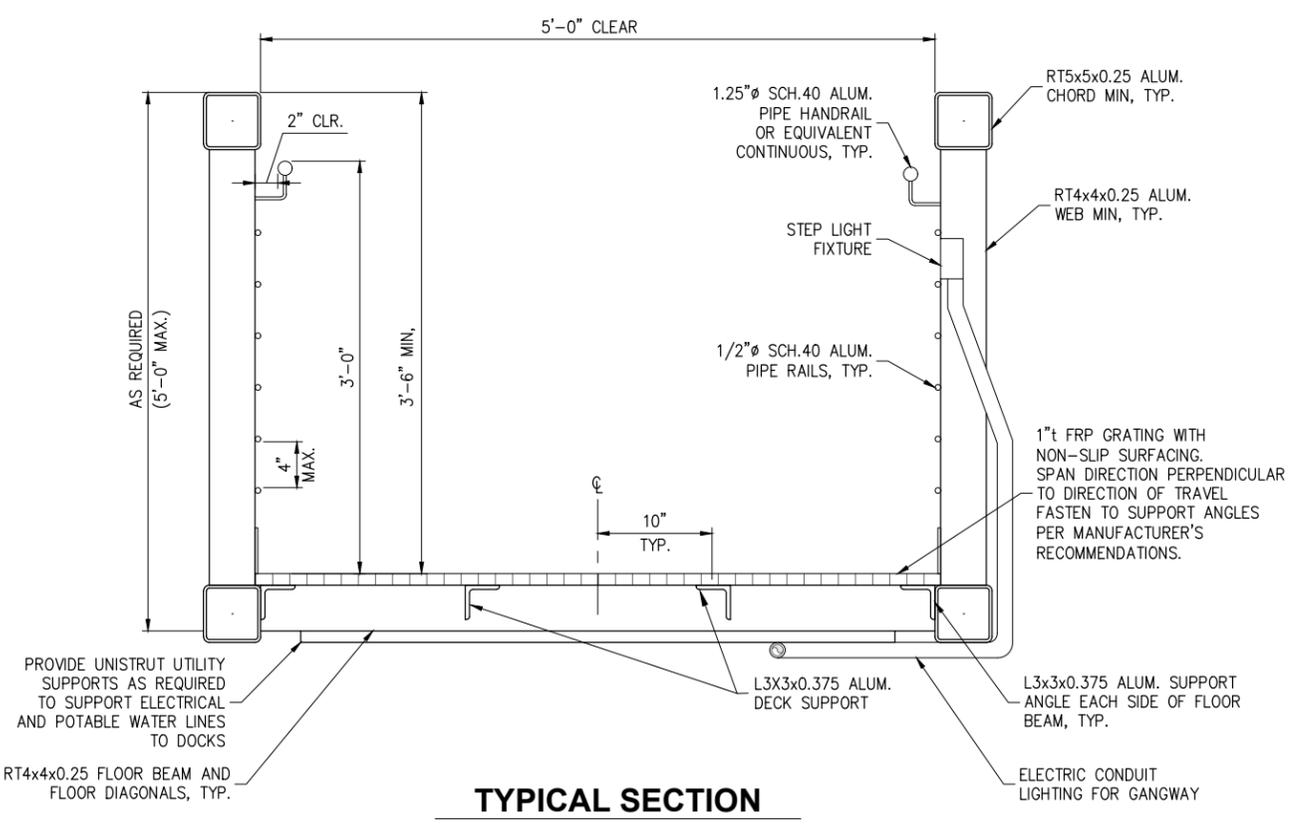
All design criteria are found in the technical specification.

MATERIALS AND CONSTRUCTION

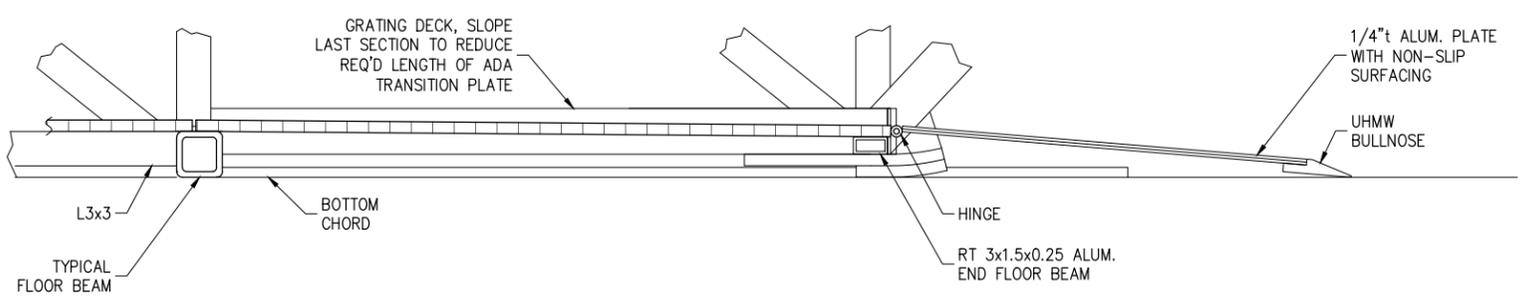
Gangway shall be constructed of aluminum.
All material and construction shall conform to the specifications.



ELEVATION



TYPICAL SECTION



GRATING SLOPE DETAIL

100% REVIEW SUBMITTAL

PND ENGINEERS, INC.
3240 Eastlake Avenue E.
Seattle, Washington 98102
P: 206.624.1387
www.pndengineers.com

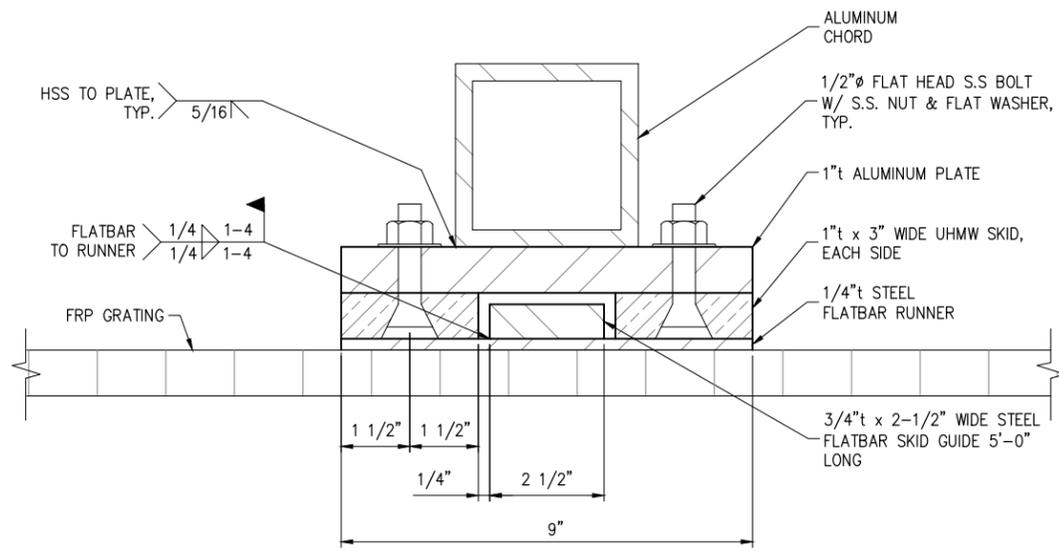
PND ENGINEERS, INC. IS NOT RESPONSIBLE FOR SAFETY PROGRAMS, METHODS OR PROCEDURES OF OPERATION, OR THE CONSTRUCTION OF THE DESIGN SHOWN ON THESE DRAWINGS. WHERE SPECIFICATIONS ARE GENERAL OR NOT CALLED OUT, THE SPECIFICATIONS SHALL CONFORM TO STANDARDS OF INDUSTRY. DRAWINGS ARE FOR USE ON THIS PROJECT ONLY AND ARE NOT INTENDED FOR REUSE WITHOUT WRITTEN APPROVAL FROM PND. DRAWINGS ARE ALSO NOT TO BE USED IN ANY MANNER THAT WOULD CONSTITUTE A DETRIMENT DIRECTLY OR INDIRECTLY TO PND.

REVISIONS		
REV	DATE	DESCRIPTION

PROJECT: DEPOE BAY HARBOR DOCKS 2-4 REPLACEMENT			
TITLE: GANGWAY PLAN, ELEVATION AND SECTION			
DESIGNED BY: JO	PROJECT NO: 224017	SHEET NO:	
DRAWN BY: WL	DATE: OCTOBER 2022		
CHECKED BY: RJ	SCALE: NOTED		
		S5.01	

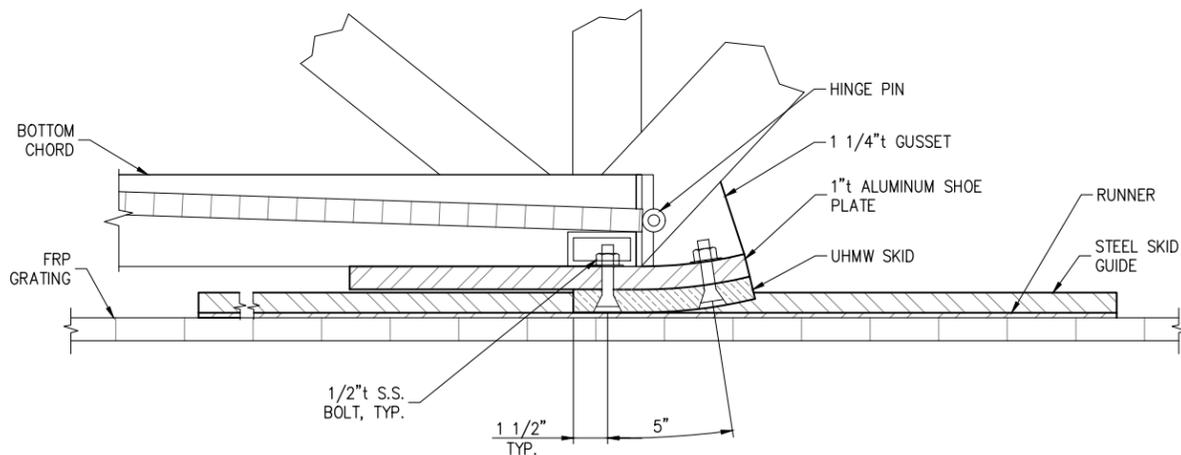
9/29/2022 12:05 PM K:\2022\224017 Depoe Bay Floats 2-4 Replacement\100% REVIEW SUBMITTAL\224017.S5.01.dwg

9/29/2022 12:05 PM K:\2022\224017 Depoe Bay Floats 2-4 Replacement\100% REVIEW SUBMITTAL\224017.S5.02.dwg



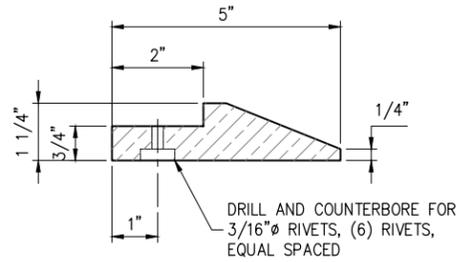
SECTION

SKID SHOE SHOWN. UHMW ROLLER ALTERNATIVE WITH APPROVAL BY ENGINEER.

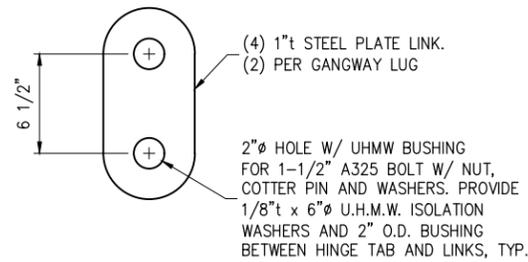


ELEVATION

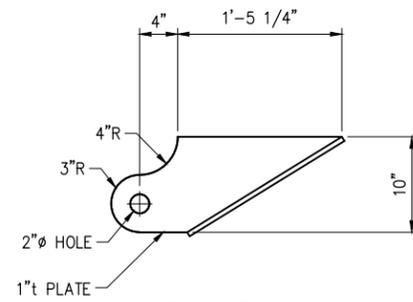
SKID SHOE



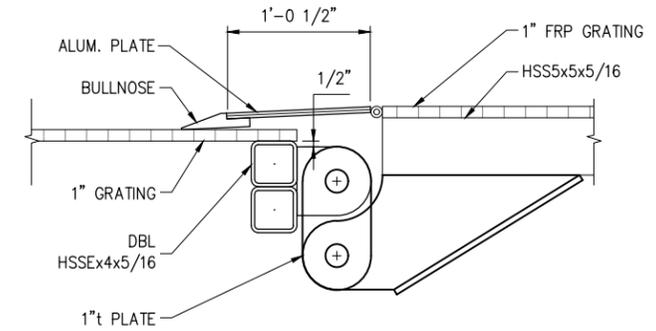
BULLNOSE WEAR EDGE



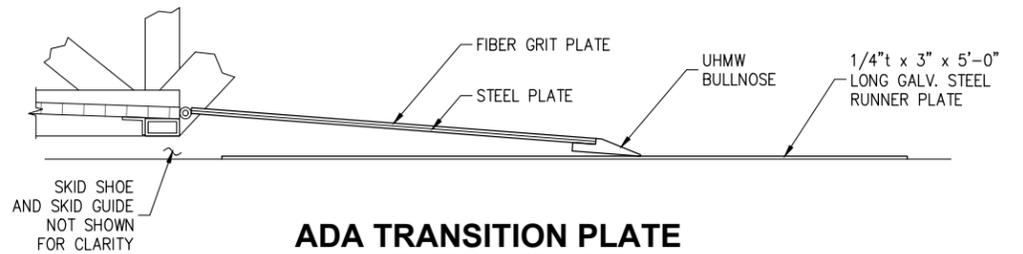
LINK PLATE



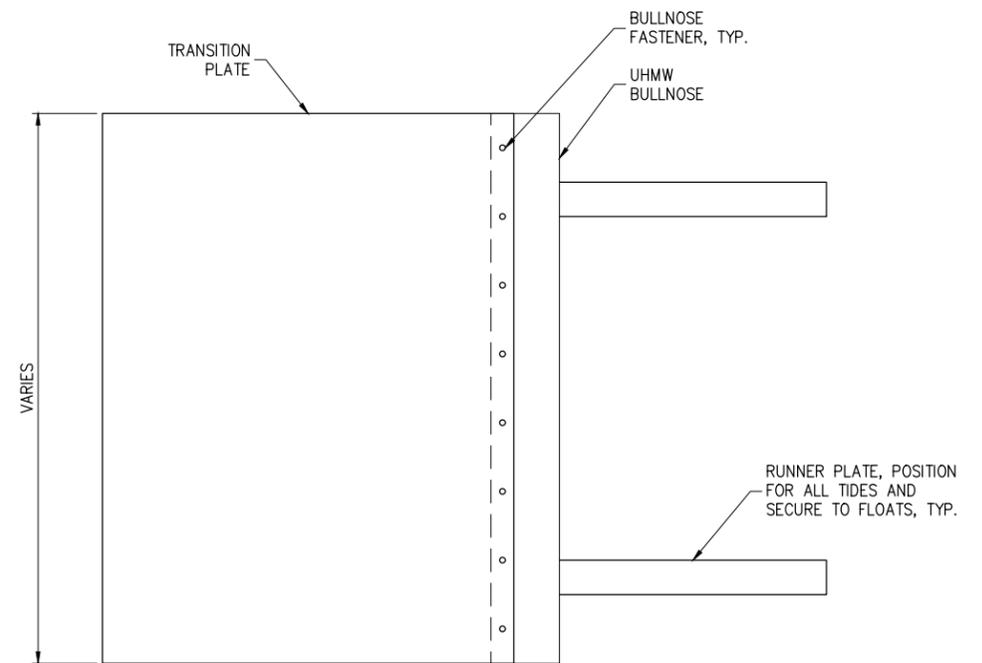
GANGWAY LUG PLATE



ADA TRANSITION PLATE SECTION APPROACH



ADA TRANSITION PLATE SECTION FLOAT



ADA TRANSITION PLATE PLAN

100% REVIEW SUBMITTAL

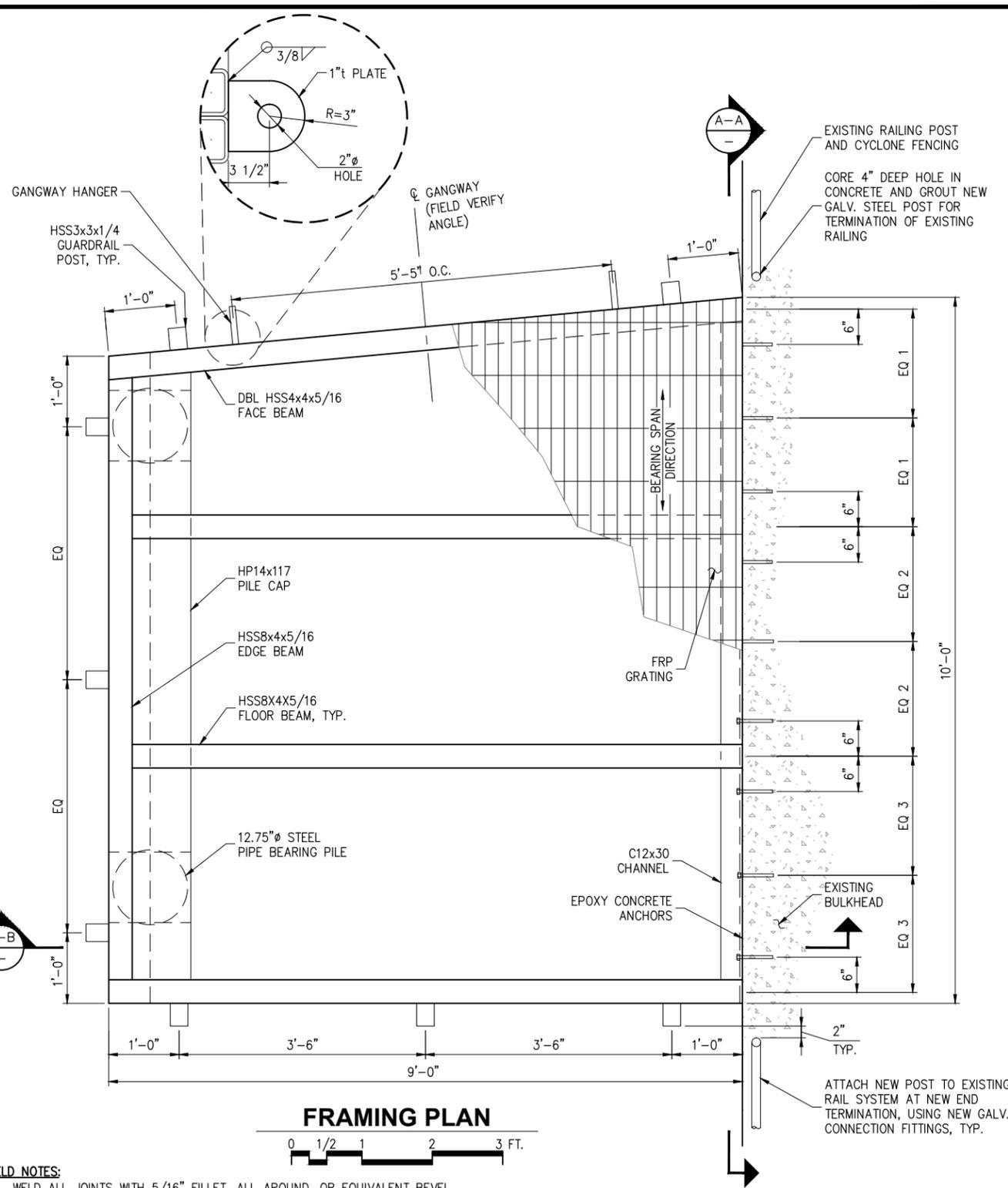
P | N | D
ENGINEERS, INC.
3240 Eastlake Avenue E.
Seattle, Washington 98102
P: 206.624.1387
www.pndengineers.com

PND ENGINEERS, INC. IS NOT RESPONSIBLE FOR SAFETY PROGRAMS, METHODS OR PROCEDURES OF OPERATION, OR THE CONSTRUCTION OF THE DESIGN SHOWN ON THESE DRAWINGS. WHERE SPECIFICATIONS ARE GENERAL OR NOT CALLED OUT, THE SPECIFICATIONS SHALL CONFORM TO STANDARDS OF INDUSTRY. DRAWINGS ARE FOR USE ON THIS PROJECT ONLY AND ARE NOT INTENDED FOR REUSE WITHOUT WRITTEN APPROVAL FROM PND. DRAWINGS ARE ALSO NOT TO BE USED IN ANY MANNER THAT WOULD CONSTITUTE A DETRIMENT DIRECTLY OR INDIRECTLY TO PND.

REVISIONS		
REV	DATE	DESCRIPTION

PROJECT: DEPOE BAY HARBOR DOCKS 2-4 REPLACEMENT			
TITLE: GANGWAY DETAILS			
DESIGNED BY: JO	PROJECT NO: 224017	SHEET NO:	
DRAWN BY: WL	DATE: OCTOBER 2022		
CHECKED BY: RJ	SCALE: NOTED		
			S5.02

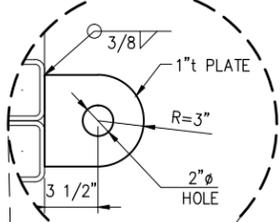
10/11/2022 2:44 PM K:\2022\224017 Depoe Bay Floats 2-4 Replacement\100% REVIEW SUBMITTAL\224017.S6.01.dwg



FRAMING PLAN

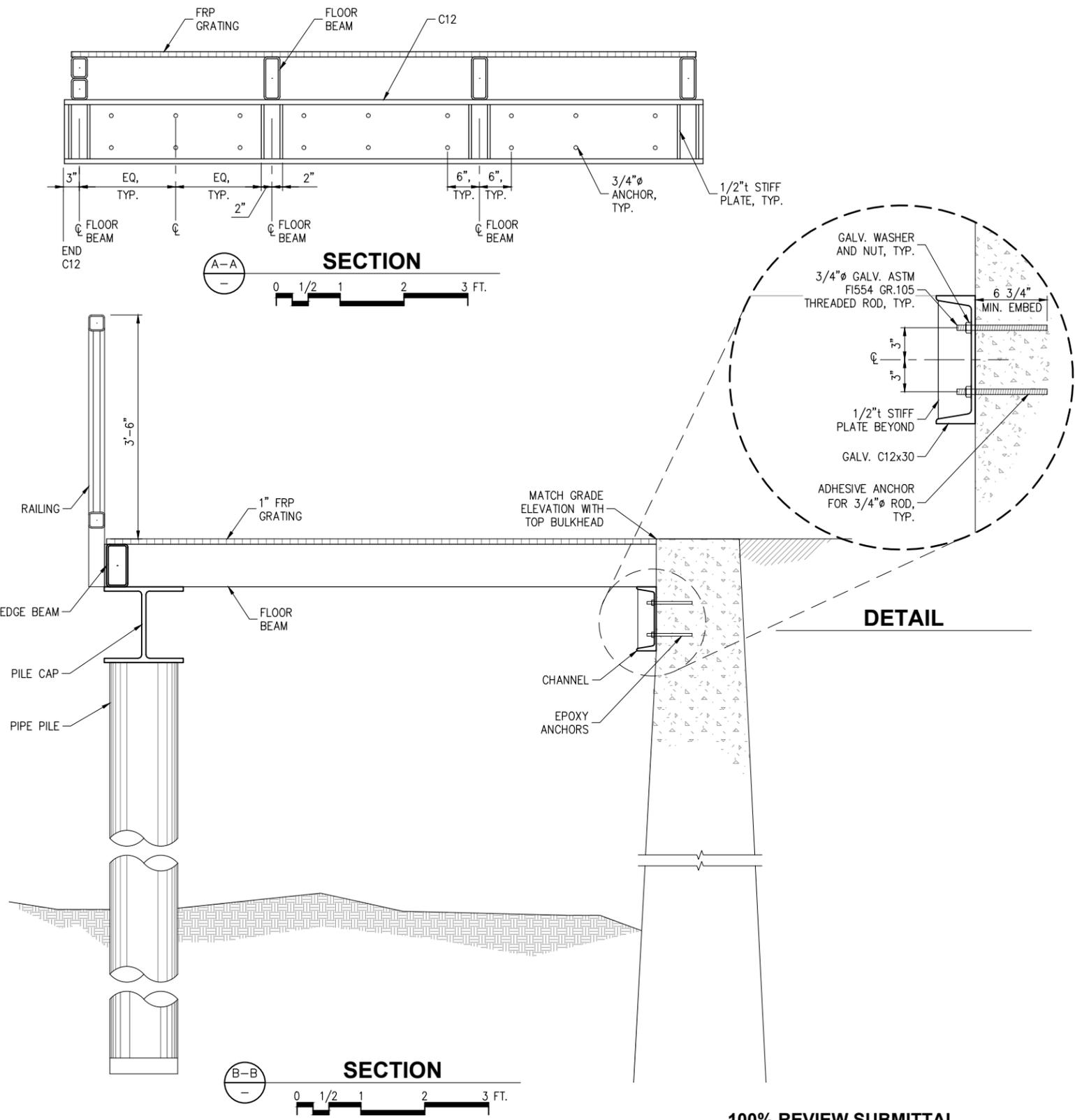


- WELD NOTES:**
- WELD ALL JOINTS WITH 5/16" FILLET, ALL AROUND, OR EQUIVALENT BEVEL, UNLESS OTHERWISE NOTED.
 - MAX VENT HOLES FOR GALVANIZING SHALL NOT EXCEED 1/2"Ø, ANY LARGER HOLES OR OPEN ENDS SHALL BE PLUGGED AND SEAL WELDED WITH END CAPS, AS APPROPRIATE.
 - REPAIR ALL COATINGS AS REQUIRED.



EXISTING RAILING POST AND CYCLONE FENCING
CORE 4" DEEP HOLE IN CONCRETE AND GROUT NEW GALV. STEEL POST FOR TERMINATION OF EXISTING RAILING

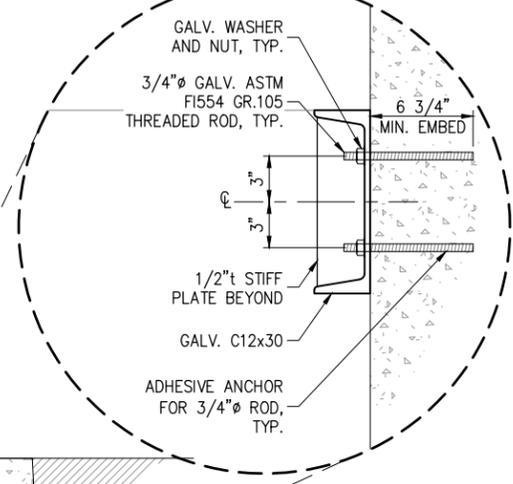
ATTACH NEW POST TO EXISTING RAIL SYSTEM AT NEW END TERMINATION, USING NEW GALV. CONNECTION FITTINGS, TYP.



SECTION



SECTION



DETAIL

100% REVIEW SUBMITTAL

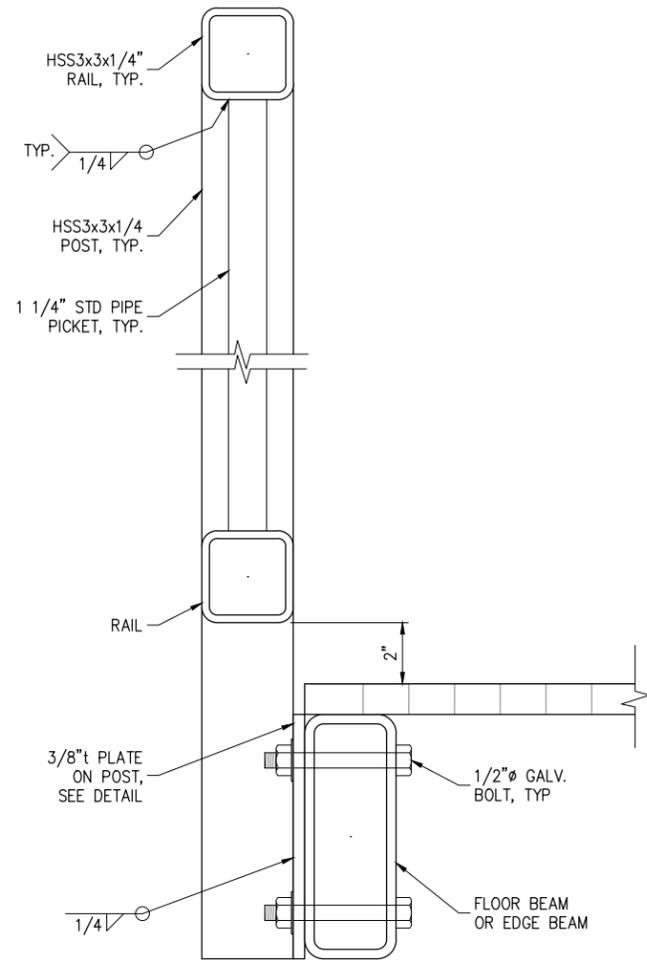
PND ENGINEERS, INC.
3240 Eastlake Avenue E.
Seattle, Washington 98102
P: 206.624.1387
www.pndengineers.com

PND ENGINEERS, INC. IS NOT RESPONSIBLE FOR SAFETY PROGRAMS, METHODS OR PROCEDURES OF OPERATION, OR THE CONSTRUCTION OF THE DESIGN SHOWN ON THESE DRAWINGS. WHERE SPECIFICATIONS ARE GENERAL OR NOT CALLED OUT, THE SPECIFICATIONS SHALL CONFORM TO STANDARDS OF INDUSTRY. DRAWINGS ARE FOR USE ON THIS PROJECT ONLY AND ARE NOT INTENDED FOR REUSE WITHOUT WRITTEN APPROVAL FROM PND. DRAWINGS ARE ALSO NOT TO BE USED IN ANY MANNER THAT WOULD CONSTITUTE A DETRIMENT DIRECTLY OR INDIRECTLY TO PND.

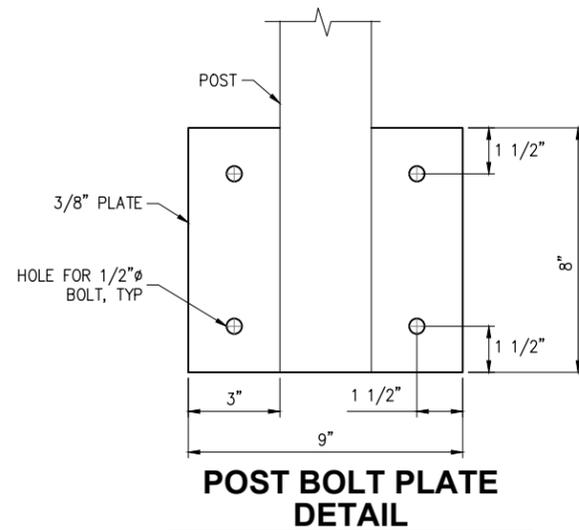
REVISIONS		
REV	DATE	DESCRIPTION

PROJECT: DEPOE BAY HARBOR DOCKS 2-4 REPLACEMENT			
TITLE: APPROACH PIER PLAN, SECTIONS AND DETAILS			
DESIGNED BY: JO	PROJECT NO: 224017	SHEET NO:	
DRAWN BY: WL	DATE: OCTOBER 2022		
CHECKED BY: RJ	SCALE: NOTED		
		S6.01	

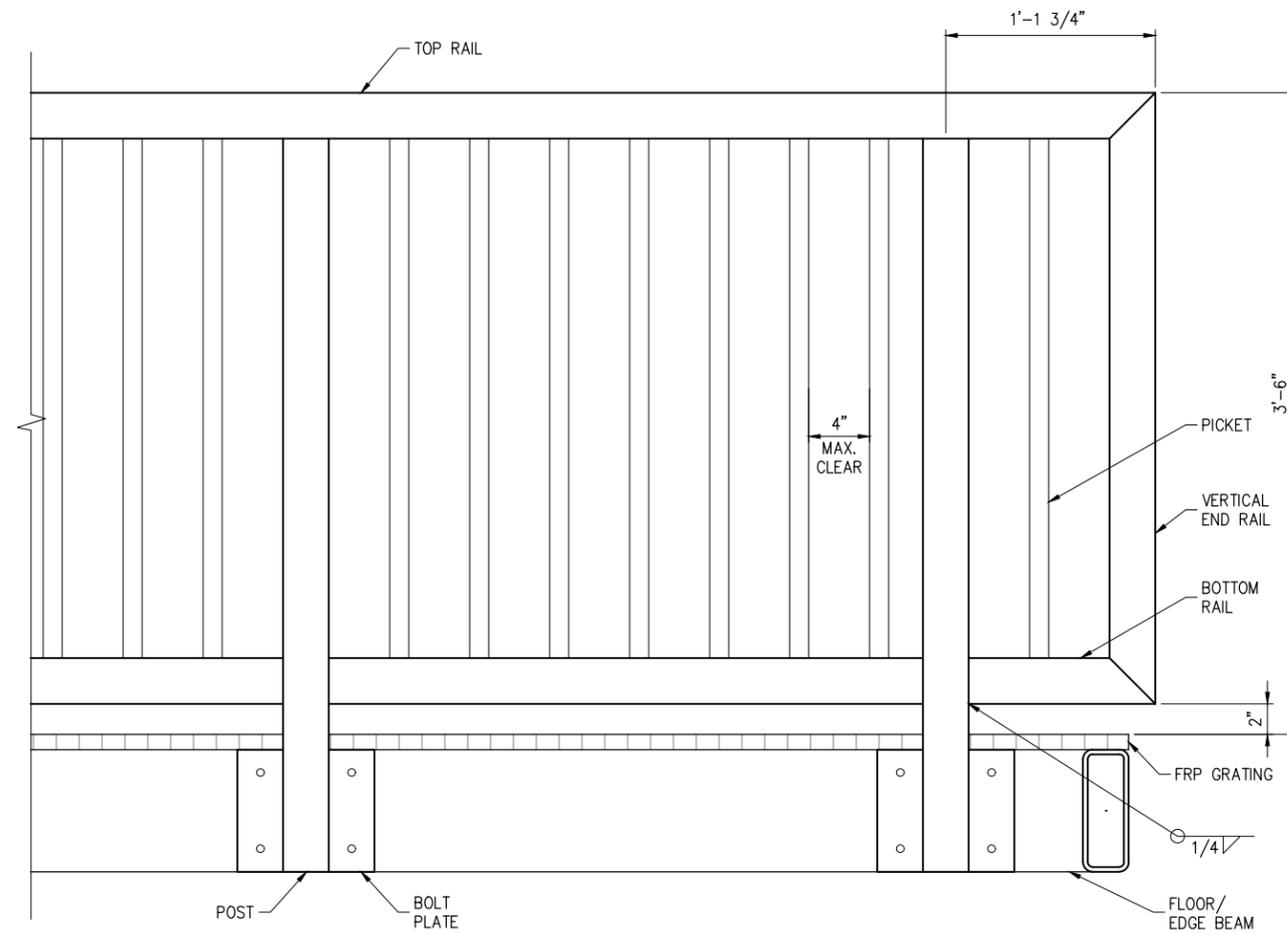
10/4/2022 3:28 PM K:\2022\224017 Depoe Bay Floats 2-4 Replacement\100% REVIEW SUBMITTAL\224017_S6.02.dwg



RAILING PROFILE



POST BOLT PLATE DETAIL



RAILING ELEVATION

WELD NOTES:

1. WELD ALL JOINTS WITH 1/4" FILLET, ALL AROUND, OR EQUIVALENT BEVEL, UNLESS OTHERWISE NOTED.
2. MAX VENT HOLES FOR GALVANIZING SHALL NOT EXCEED 1/2"Ø, ANY LARGER HOLES OR OPEN ENDS SHALL BE PLUGGED AND SEAL WELDED WITH END CAPS, AS APPROPRIATE.
3. REPAIR ALL COATINGS AS REQUIRED.

100% REVIEW SUBMITTAL

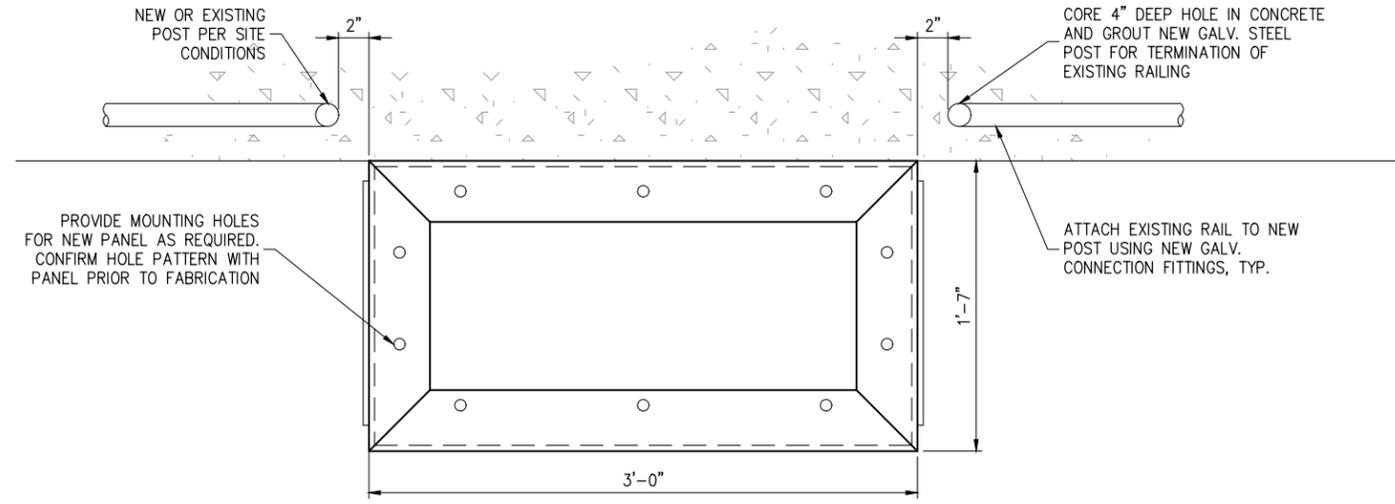


3240 Eastlake Avenue E.
Seattle, Washington 98102
P: 206.624.1387
www.pndengineers.com

PND ENGINEERS, INC. IS NOT RESPONSIBLE FOR SAFETY PROGRAMS, METHODS OR PROCEDURES OF OPERATION, OR THE CONSTRUCTION OF THE DESIGN SHOWN ON THESE DRAWINGS. WHERE SPECIFICATIONS ARE GENERAL OR NOT CALLED OUT, THE SPECIFICATIONS SHALL CONFORM TO STANDARDS OF INDUSTRY. DRAWINGS ARE FOR USE ON THIS PROJECT ONLY AND ARE NOT INTENDED FOR REUSE WITHOUT WRITTEN APPROVAL FROM PND. DRAWINGS ARE ALSO NOT TO BE USED IN ANY MANNER THAT WOULD CONSTITUTE A DETRIMENT DIRECTLY OR INDIRECTLY TO PND.

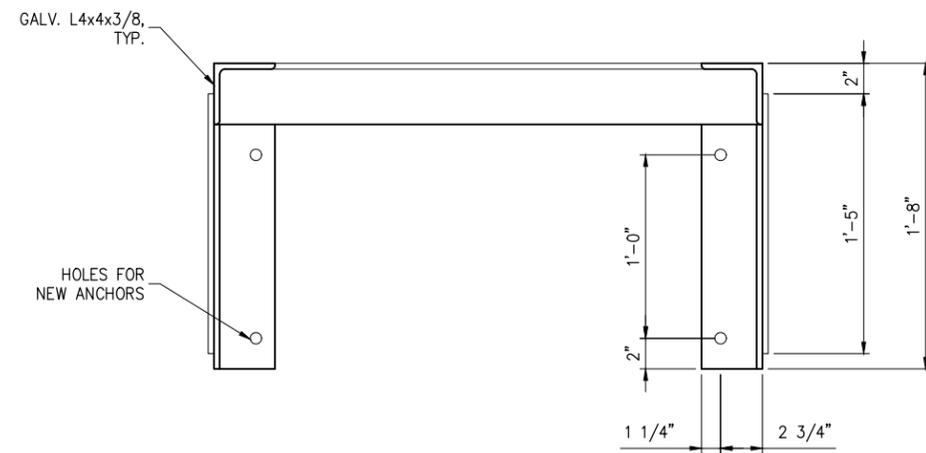
REVISIONS		
REV	DATE	DESCRIPTION

PROJECT: DEPOE BAY HARBOR DOCKS 2-4 REPLACEMENT			
TITLE: APPROACH PIER DETAILS			
DESIGNED BY: JO	PROJECT NO: 224017	SHEET NO:	
DRAWN BY: WL	DATE: OCTOBER 2022	S6.02	
CHECKED BY: RJ	SCALE: NOTED		

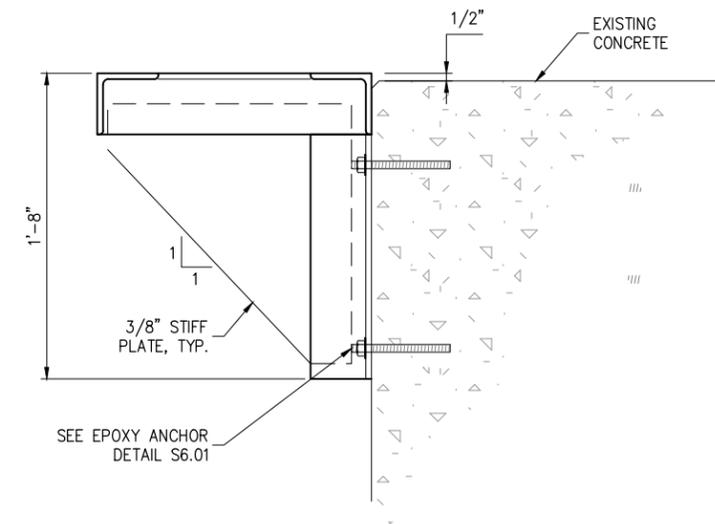


- FABRICATION NOTES:**
1. WELD ALL JOINTS WITH 5/16" FILLET, ALL AROUND, OR EQUIVALENT BEVEL.
 2. HOT DIP GALVANIZE AFTER WELDING ALL JOINTS AND DRILLING ALL MOUNTING HOLES.
 3. REPAIR ALL COATINGS AS REQUIRED.

PLAN



ELEVATION



PROFILE

100% REVIEW SUBMITTAL



3240 Eastlake Avenue E.
Seattle, Washington 98102
P: 206.624.1387
www.pndengineers.com

PND ENGINEERS, INC. IS NOT RESPONSIBLE FOR SAFETY PROGRAMS, METHODS OR PROCEDURES OF OPERATION, OR THE CONSTRUCTION OF THE DESIGN SHOWN ON THESE DRAWINGS. WHERE SPECIFICATIONS ARE GENERAL OR NOT CALLED OUT, THE SPECIFICATIONS SHALL CONFORM TO STANDARDS OF INDUSTRY. DRAWINGS ARE FOR USE ON THIS PROJECT ONLY AND ARE NOT INTENDED FOR REUSE WITHOUT WRITTEN APPROVAL FROM PND. DRAWINGS ARE ALSO NOT TO BE USED IN ANY MANNER THAT WOULD CONSTITUTE A DETRIMENT DIRECTLY OR INDIRECTLY TO PND.

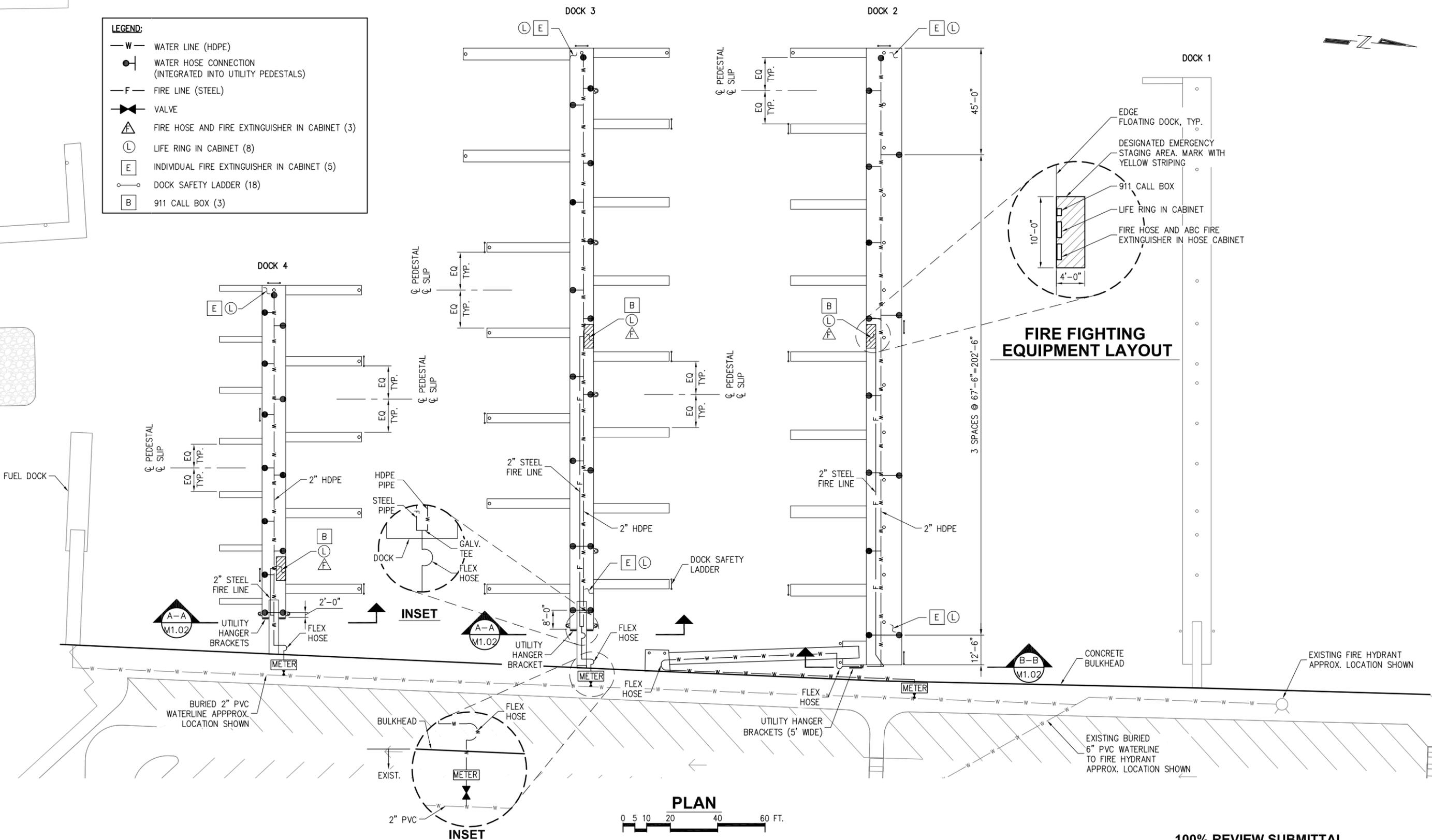
REVISIONS		
REV	DATE	DESCRIPTION

PROJECT: DEPOE BAY HARBOR DOCKS 2-4 REPLACEMENT			
TITLE: ELECTRICAL PANEL SUPPORT PLATFORM			
DESIGNED BY: JO	PROJECT NO: 224017	SHEET NO:	
DRAWN BY: WL	DATE: OCTOBER 2022	S7.01	
CHECKED BY: RJ	SCALE: NOTED		

10/11/2022 2:52 PM K:\2022\224017 Depoe Bay Floats 2-4 Replacement\100% REVIEW SUBMITTAL\224017.M1.01.dwg

LEGEND:

- W — WATER LINE (HDPE)
- WATER HOSE CONNECTION (INTEGRATED INTO UTILITY PEDESTALS)
- F — FIRE LINE (STEEL)
- ⊗ VALVE
- △ FIRE HOSE AND FIRE EXTINGUISHER IN CABINET (3)
- Ⓛ LIFE RING IN CABINET (8)
- ⓔ INDIVIDUAL FIRE EXTINGUISHER IN CABINET (5)
- DOCK SAFETY LADDER (18)
- ⓑ 911 CALL BOX (3)



100% REVIEW SUBMITTAL

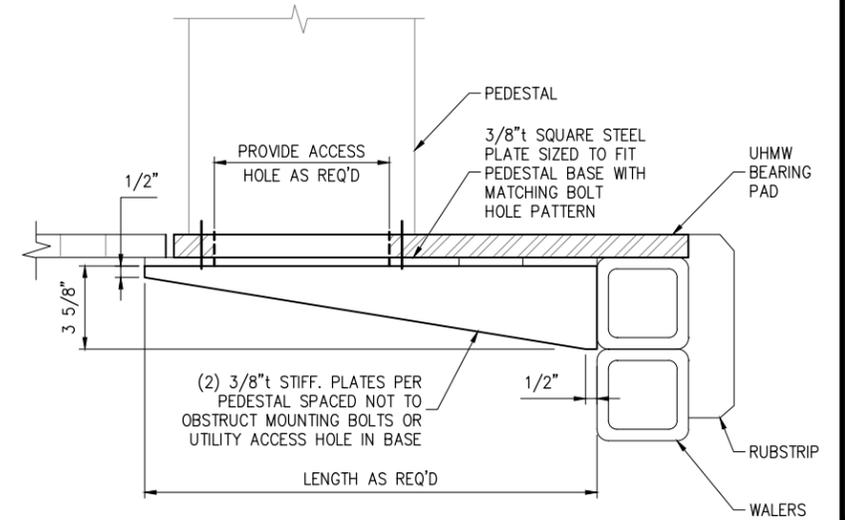
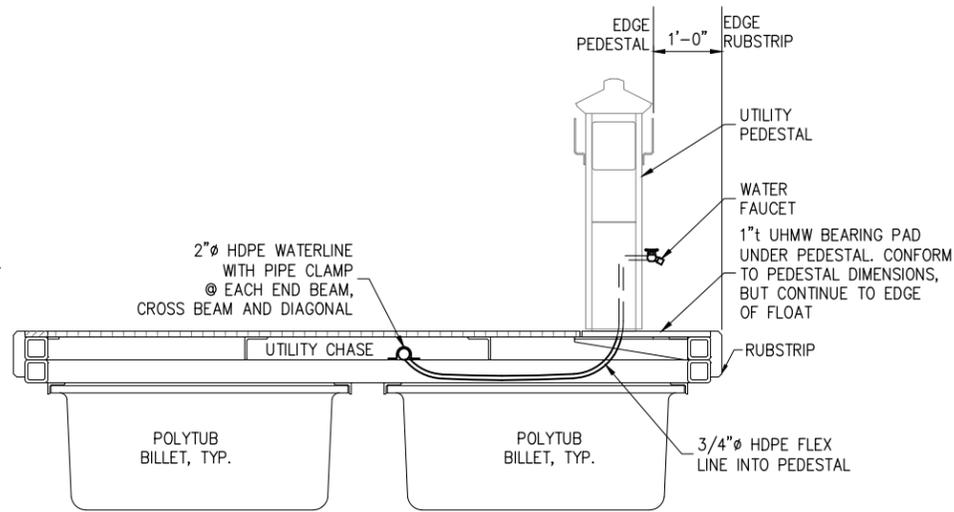
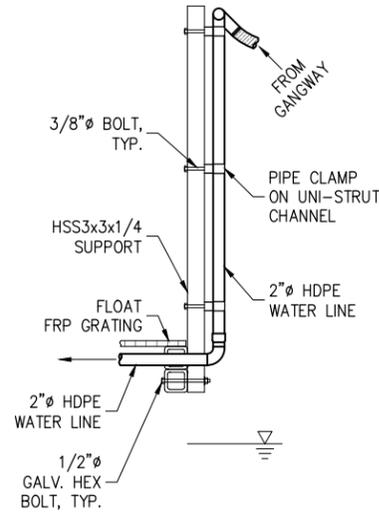
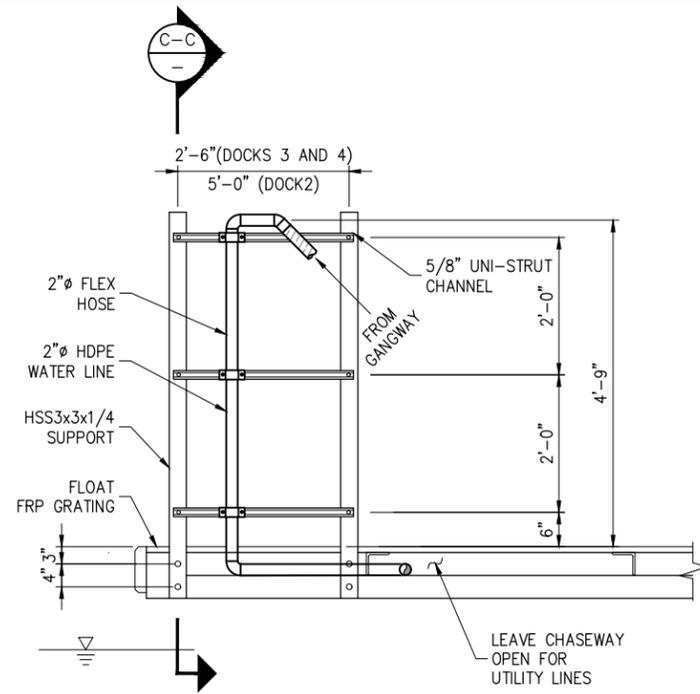
P | N | D
ENGINEERS, INC.
3240 Eastlake Avenue E.
Seattle, Washington 98102
P: 206.624.1387
www.pndengineers.com

PND ENGINEERS, INC. IS NOT RESPONSIBLE FOR SAFETY PROGRAMS, METHODS OR PROCEDURES OF OPERATION, OR THE CONSTRUCTION OF THE DESIGN SHOWN ON THESE DRAWINGS. WHERE SPECIFICATIONS ARE GENERAL OR NOT CALLED OUT, THE SPECIFICATIONS SHALL CONFORM TO STANDARDS OF INDUSTRY. DRAWINGS ARE FOR USE ON THIS PROJECT ONLY AND ARE NOT INTENDED FOR REUSE WITHOUT WRITTEN APPROVAL FROM PND. DRAWINGS ARE ALSO NOT TO BE USED IN ANY MANNER THAT WOULD CONSTITUTE A DETRIMENT DIRECTLY OR INDIRECTLY TO PND.

REVISIONS		
REV	DATE	DESCRIPTION

PROJECT: DEPOE BAY HARBOR DOCKS 2-4 REPLACEMENT			
TITLE: MECHANICAL PLAN			
DESIGNED BY: JO	PROJECT NO: 224017	SHEET NO:	
DRAWN BY: WL	DATE: OCTOBER 2022	M1.01	
CHECKED BY: RJ	SCALE: NOTED		

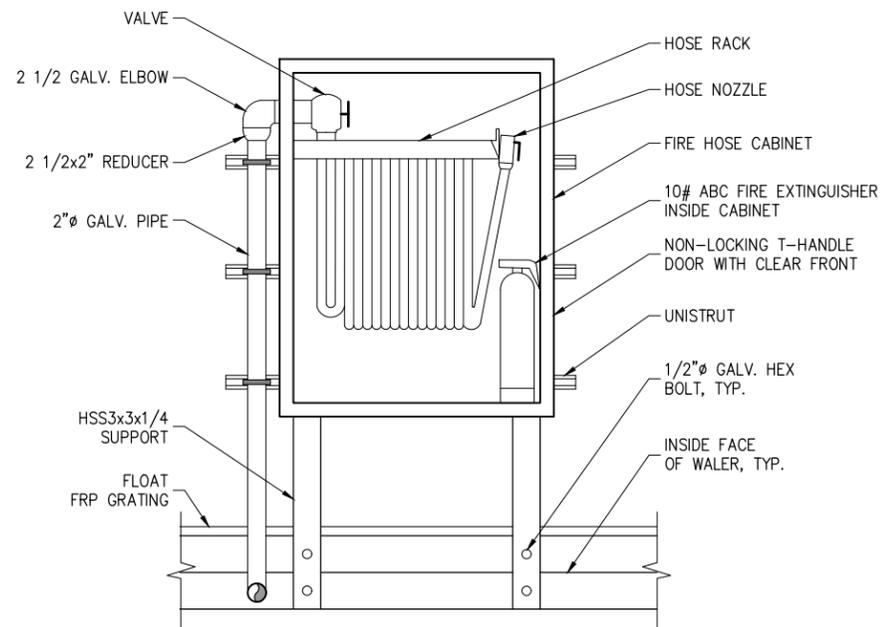
9/29/2022 12:00 PM K:\2022\224017\100% REVIEW SUBMITTAL\224017.M1.02.dwg



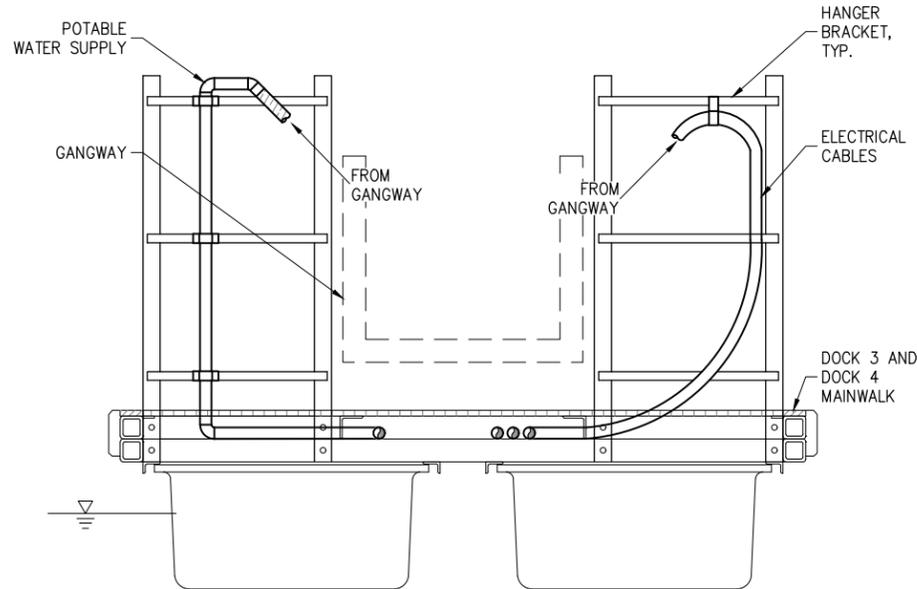
NOTE:
LOCATE PEDESTAL MOUNT ASSEMBLY PER UTILITY PEDESTAL SPACING PROVIDED IN SHEET M1.01

UTILITY HANGER BRACKET DETAILS

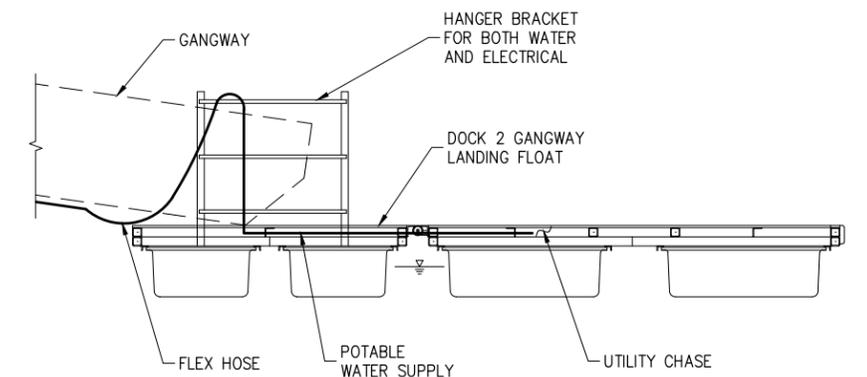
SECTION
(10' MAINWALK SHOWN. 15' MAINWALK SIMILAR)



FIRE HOSE CABINET



SECTION
(DOCK 3 AND DOCK 4)



SECTION
(DOCK 2)

100% REVIEW SUBMITTAL

PND ENGINEERS, INC.
3240 Eastlake Avenue E.
Seattle, Washington 98102
P: 206.624.1387
www.pndengineers.com

PND ENGINEERS, INC. IS NOT RESPONSIBLE FOR SAFETY PROGRAMS, METHODS OR PROCEDURES OF OPERATION, OR THE CONSTRUCTION OF THE DESIGN SHOWN ON THESE DRAWINGS. WHERE SPECIFICATIONS ARE GENERAL OR NOT CALLED OUT, THE SPECIFICATIONS SHALL CONFORM TO STANDARDS OF INDUSTRY. DRAWINGS ARE FOR USE ON THIS PROJECT ONLY AND ARE NOT INTENDED FOR REUSE WITHOUT WRITTEN APPROVAL FROM PND. DRAWINGS ARE ALSO NOT TO BE USED IN ANY MANNER THAT WOULD CONSTITUTE A DETRIMENT DIRECTLY OR INDIRECTLY TO PND.

REVISIONS		
REV	DATE	DESCRIPTION

PROJECT: DEPOE BAY HARBOR DOCKS 2-4 REPLACEMENT			
TITLE: MECHANICAL DETAILS			
DESIGNED BY: JO	PROJECT NO: 224017	SHEET NO:	
DRAWN BY: WL	DATE: OCTOBER 2022		
CHECKED BY: RJ	SCALE: NOTED		
			M1.02

OVHD SERVICE DROP & WEATHERHEAD PUD POLE



PHOTO - ELECT. BLDG.



PHOTO - ELECT. PANELS
(EAST WALL OF ELECTRICAL BUILDING)



PHOTO - DIST. PANEL 'M'

City of Depoe Bay

Service Panel - Panel 'M'

Circuit Info		Power Pedestal Outlet Information				Power Pedestal Feeder Data					Feeder Info			Voltage Drop Calculation			
Panel	Dock	Recept 30A	Recept 50A 120	Recept 50A 120/240	Recept 100A	Connected Load (kVA)	f per NEC	Meter Factor 1.0 or 0.9	Demand Load (kVA)	Amps 240v 1-phase	Circuit Breaker Size	Feeder Size	ohms per 1000 ft	Amps	Length to Circuit	Voltage Drop (V)	Percent Drop (%) @240V
EXISTING CIRCUIT																	
M	1	20	0	0	0	72.0	0.7	0.9	45.4	189	225						
M	2	21	0	0	0	75.6	0.7	0.9	47.6	198	300	350	0.050	310	320	4.35	1.81
M	3	30	0	0	0	108.0	0.7	0.9	68.0	284	300	350	0.050	310	100	1.94	0.81
M	4	24	0	0	0	86.4	0.7	0.9	54.4	227	300	350	0.050	310	240	3.73	1.56
Panel Summary		95	0	0	0	342.0	0.3	0.9	92.3	385	400						

Panel 'D2'

Circuit Info		Power Pedestal Outlet Information				Power Pedestal Feeder Data					Feeder Info			Voltage Drop Calculation			
Panel	Circuit	Recept 30A	Recept 50A 120	Recept 50A 120/240	Recept 100A	Connected Load (kVA)	f per NEC	Meter Factor 1.0 or 0.9	Demand Load (kVA)	Amps 240v 1-phase	Circuit Breaker Size	Feeder Size	ohms per 1000 ft	Amps	Length to Circuit	Voltage Drop (V)	Percent Drop (%) @240V
D2	1	9	0	0	0	32.4	0.8	0.9	23.3	97	100	2	0.190	115	100	3.52	1.46
	5	8	0	0	0	28.8	0.9	0.9	23.3	97	100	2	0.190	115	200	7.03	2.93
	9																
	2	2	0	0	0	7.2	1	0.9	6.5	27	100	2	0.190	115	100	0.98	0.41
	6	2	0	0	0	7.2	1	0.9	6.5	27	100	2	0.190	115	250	2.44	1.02
	10																
Panel Summary		21	0	0	0	75.6	0.7	0.9	47.6	198							

Panel 'D3'

Circuit Info		Power Pedestal Outlet Information				Power Pedestal Feeder Data					Feeder Info			Voltage Drop Calculation			
Panel	Circuit	Recept 30A	Recept 50A 120	Recept 50A 120/240	Recept 100A	Connected Load (kVA)	f per NEC	Meter Factor 1.0 or 0.9	Demand Load (kVA)	Amps 240v 1-phase	Circuit Breaker Size	Feeder Size	ohms per 1000 ft	Amps	Length to Circuit	Voltage Drop (V)	Percent Drop (%) @240V
D3	1	9	0	0	0	32.4	0.8	0.9	23.3	97	100	2	0.190	115	50	1.76	0.73
	5	6	0	0	0	21.6	0.9	0.9	17.5	73	100	2	0.190	115	250	6.59	2.75
	9																
	2	9	0	0	0	32.4	0.8	0.9	23.3	97	100	2	0.190	115	50	1.76	0.73
	6	6	0	0	0	21.6	0.9	0.9	17.5	73	100	2	0.190	115	250	6.59	2.75
	10																
Panel Summary		30	0	0	0	108.0	0.7	0.9	68.0	284							

Panel 'D4'

Circuit Info		Power Pedestal Outlet Information				Power Pedestal Feeder Data					Feeder Info			Voltage Drop Calculation			
Panel	Circuit	Recept 30A	Recept 50A 120	Recept 50A 120/240	Recept 100A	Connected Load (kVA)	f per NEC	Meter Factor 1.0 or 0.9	Demand Load (kVA)	Amps 240v 1-phase	Circuit Breaker Size	Feeder Size	ohms per 1000 ft	Amps	Length to Circuit	Voltage Drop (V)	Percent Drop (%) @240V
D4	1	9	0	0	0	32.4	0.8	0.9	23.3	97	100	2	0.190	115	50	1.76	0.73
	5	8	0	0	0	28.8	0.9	0.9	23.3	97	100	2	0.190	115	150	5.27	2.20
	9																
	2	7	0	0	0	25.2	0.9	0.9	20.4	85	100	2	0.190	115	50	1.54	0.64
	6																
	10																
Panel Summary		24	0	0	0	86.4	0.7	0.9	54.4	227							

LOAD CALCULATIONS

100% SUBMITTAL

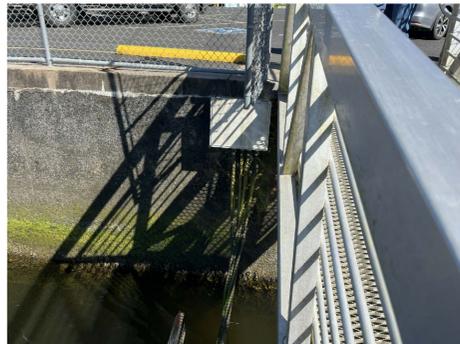
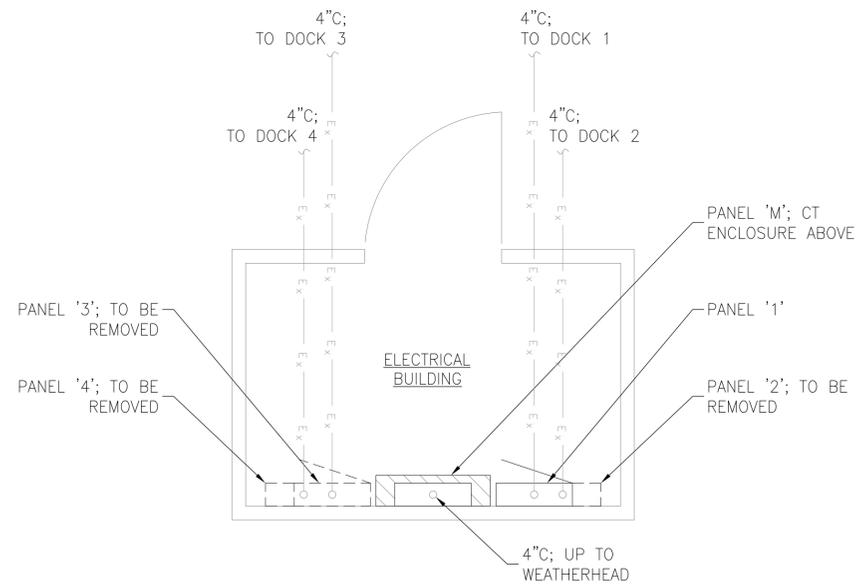


PHOTO - (E) BULKHEAD



PHOTO - (E) CABLE CATENARY



ENLARGED ELECTRICAL BUILDING PLAN

0 .5 1 2 4 6 FT.



3240 Eastlake Avenue E
Seattle, Washington 98102
P: 206.624.1387
www.pndengineers.com



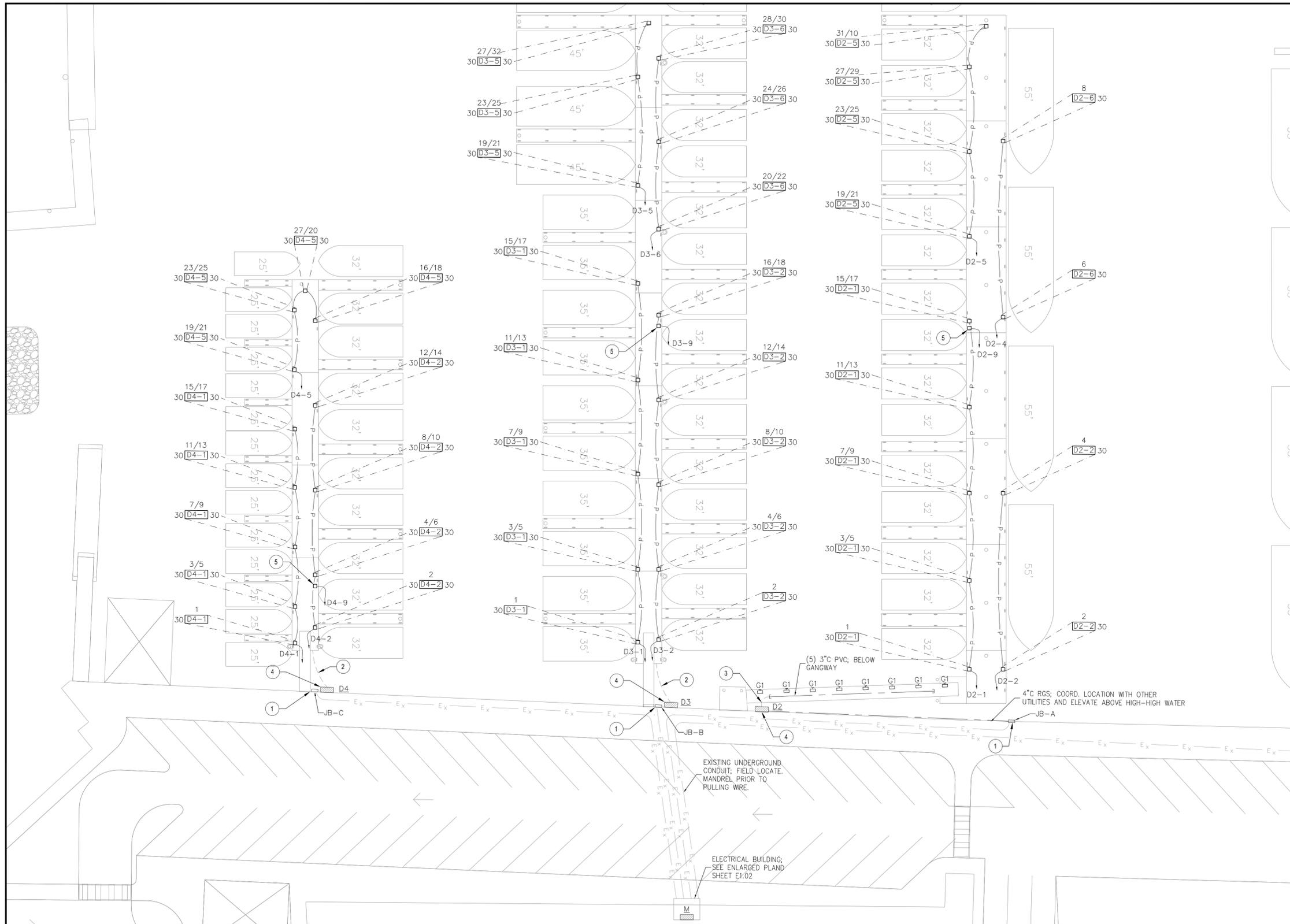
PM: ED DAVID, PE TEL: 206.855.4600

PND ENGINEERS, INC. IS NOT RESPONSIBLE FOR SAFETY PROGRAMS, METHODS OR PROCEDURES OF OPERATION, OR THE CONSTRUCTION OF THE DESIGN SHOWN ON THESE DRAWINGS. WHERE SPECIFICATIONS ARE GENERAL OR NOT CALLED OUT, THE SPECIFICATIONS SHALL CONFORM TO STANDARDS OF INDUSTRY. DRAWINGS ARE FOR USE ON THIS PROJECT ONLY AND ARE NOT INTENDED FOR REUSE WITHOUT WRITTEN APPROVAL FROM PND. DRAWINGS ARE ALSO NOT TO BE USED IN ANY MANNER THAT WOULD CONSTITUTE A DETRIMENT DIRECTLY OR INDIRECTLY TO PND.

REVISIONS		
REV	DATE	DESCRIPTION

PROJECT:		DEPOE BAY FLOATS 2-4 REPLACEMENT	
TITLE:		ELECTRICAL CALCULATIONS	
DESIGNED BY:	EJD	PROJECT NO:	224017
DRAWN BY:	KDD	DATE:	SEPTEMBER 2022
CHECKED BY:		SCALE:	
SHEET NO:			E1.02

10/11/2022 4:27 PM H:\PROJECTS\2022-001 Depoe Bay Docks\CAD\224017.01 E-Series.dwg



ELECTRICAL PLAN

0 5 10 20 40 60 FT.

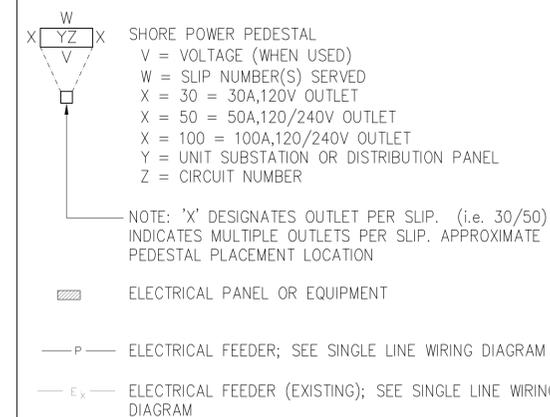
GENERAL NOTES

1. INSTALL PORTABLE POWER CABLE IN PVC CHASES WHERE ABOVE DECK HEIGHT OR WHERE EXPOSED TO PHYSICAL DAMAGE.
2. INSTALL PORTABLE POWER CABLES IN CENTER DOCK CHASE (BELOW GRATING). SEE CABLE INSTALLATION PHOTO; SHEET E3.0. PORTABLE POWER CABLE SHALL NOT COME IN CONTACT WITH ABRASIVE OR METALLIC SURFACES.
3. SEE STRUCTURAL DRAWINGS FOR EXACT LOCATIONS OF SHORE POWER PEDESTALS AND LIGHT FIXTURES.

SHEET NOTES

1. MOUNT 316 SS JUNCTION BOX OVER (E) CONDUIT STUB-OUT ON WEST FACE OF BULKHEAD. BOX SIZE PER NEC. CUT AND THREAD EXISTING CONDUIT STUB-OUT TO ACCEPT BOX MOUNTED TO FACE OF BULKHEAD. MOUNT BOX USING 316 SS STRUT. ANCHORS PER STRUCTURAL/MECHANICAL SPECIFICATIONS.
2. PORTABLE POWER CABLE CATENARY FROM PANEL TO FLOATING DOCK. SUPPORT ABOVE WATERLINE.
3. PORTABLE POWER CABLE CATENARY FROM PANEL TO BELOW GANGWAY. INSTALL CABLES IN PVC CHASES BELOW GANGWAY.
4. INSTALL FREE-STANDING DISTRIBUTION PANEL TO STRUCTURAL SUPPORT. SEE SHEET S7.01. CABLE AND CONDUIT ENTRY/EXIT THROUGH BOTTOM OF PANEL.
5. EMERGENCY CALL STATION PEDESTAL (120V/1Ø). COORDINATE LOCATION WITH MECHANICAL; SEE M-SERIES DRAWINGS.

LEGEND



100% SUBMITTAL

**DEPOE BAY FLOATS
2-4 REPLACEMENT**

ELECTRICAL PLAN



3240 Eastlake Avenue E.
Seattle, Washington 98102
P: 206.624.1387
www.pndengineers.com



PM: ED DAVID, PE TEL: 206.855.4600

PND ENGINEERS, INC. IS NOT RESPONSIBLE FOR SAFETY PROGRAMS, METHODS OR PROCEDURES OF OPERATION, OR THE CONSTRUCTION OF THE DESIGN SHOWN ON THESE DRAWINGS. WHERE SPECIFICATIONS ARE GENERAL OR NOT CALLED OUT, THE SPECIFICATIONS SHALL CONFORM TO STANDARDS OF INDUSTRY. DRAWINGS ARE FOR USE ON THIS PROJECT ONLY AND ARE NOT INTENDED FOR REUSE WITHOUT WRITTEN APPROVAL FROM PND. DRAWINGS ARE ALSO NOT TO BE USED IN ANY MANNER THAT WOULD CONSTITUTE A DETRIMENT DIRECTLY OR INDIRECTLY TO PND.

REVISIONS

REV	DATE	DESCRIPTION

PROJECT:			
DEPOE BAY FLOATS 2-4 REPLACEMENT			
TITLE:			
ELECTRICAL PLAN			
DESIGNED BY:	EJD	PROJECT NO:	224017
DRAWN BY:	KDD	DATE:	SEPTEMBER 2022
CHECKED BY:		SCALE:	
SHEET NO:			E2.00

