

Ko-Kwel Wharf Dock Access Project

Mith-ih-Kwuh Economic Development Corporation

OWNER

Mithi-ih-Kwuh Economic Development Corporation
3201 Tremont Avenue
North Bend, OR 97459

Brady Scott (541) 297-2470
bradyscott@tribal.one

ENGINEER

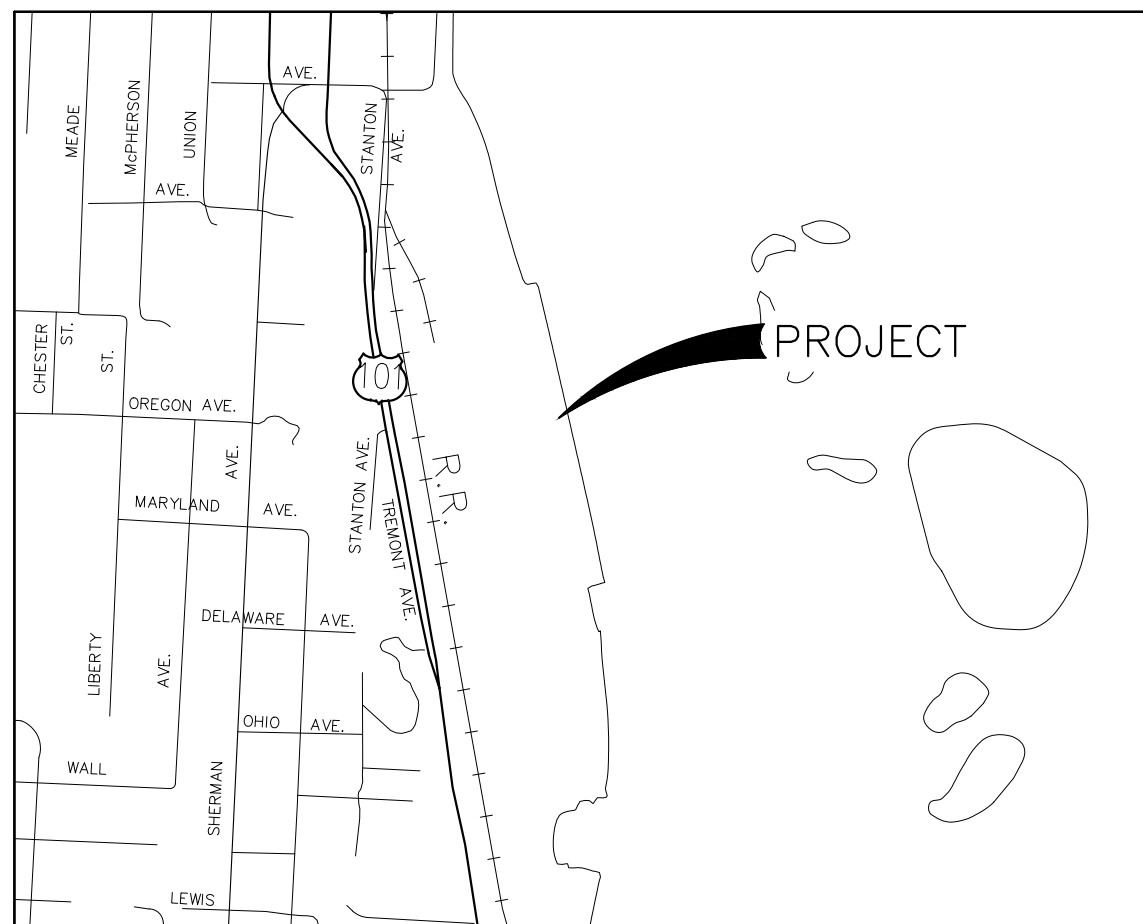
McGee Engineering, Inc.
804 D NW Buchanan Avenue
Corvallis, OR 97330

Alex Dunn (541) 757-1270
alexduan@mcgee-engineering.com

PROJECT LOCATION

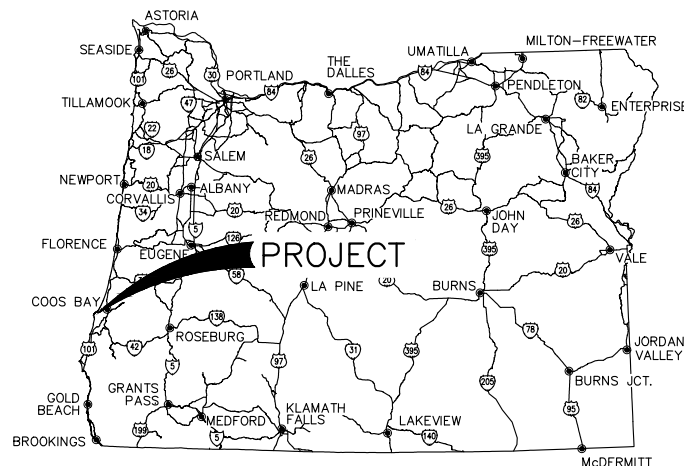
2375 Tremont Avenue
North Bend, OR 97459

N43°24.101' W124°13.136'

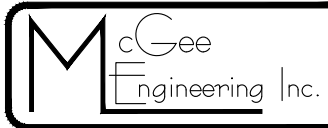


SHEET LIST TABLE

Sheet Number	Sheet Title
1	Title Sheet
2	General Notes
3	Site Plan
4	Ladder
5	Berthing Camel
6	Camel Details



Rev	Description	By	Date



P.O. Box 1067
Corvallis, OR 97339
Phone: (541) 757-1270
Fax: (541) 758-6585

Measures one inch on original drawing.
Adjust scales accordingly.

REGISTERED PROFESSIONAL
ENGINEER
103619PE

OREGON
SEPTEMBER 12, 2023
DEREK JOHN OJUA

RENEWS: 12/31/2026

Mith-ih-Kwuh Economic Development Corporation

Ko-Kwel Wharf Dock Access Project

Title Sheet

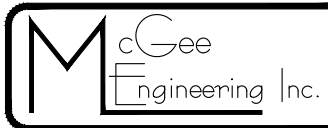
Designed: <i>D. Ojua</i>	Date: <i>3/31/2025</i>
Checked: <i>A. Dunn</i>	Sheet 1 of 6

GENERAL NOTES

- 1) Workmanship and materials shall conform to ODOT "Standard Specifications for Highway Construction," 2024 Edition.
- 2) Historic performance of the dock indicates that the structure is adequate to support highway legal trucks (HS-20 or equivalent). Overload vehicles and equipment must be approved by the Engineer prior to operating on the structure. See Sheet 3 for load restrictions.
- 3) Operate any vessels at the face of the dock in a manner which prevents damage to the existing structure.
- 4) Structural steel shall be uncoated and meet the following minimum requirements:

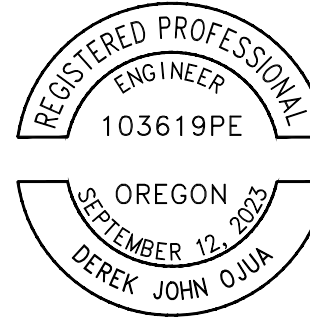
Pipe	ASTM A53 Gr. B or better
Angle & Plates	ASTM A36 or better
Threaded Rods	ASTM A307 (Hot Dip Galvanized)
Nuts	ASTM 563 Grade A (Hot Dip Galvanized)
Malleable Iron Washers	ASTM A47 (Hot Dip Galvanized)
Stainless Steel Hardware	ASTM F593 Grade 316
Chain	Grade 30 Proof Coil (Hot Dip Galvanized)
- 5) Shackles shall have the Safe Working Load equal to or greater than the equivalent sized chain. Shackles shall have screw type pins and be Hot Dip Galvanized.
- 6) All structural steel shall be Hot Dip Galvanized after fabrication, unless otherwise noted.
- 7) Submit manufacturer's data/shop drawings to the engineer for review for the camel and ladder.
- 8) Welding shall be performed by certified welders according to provisions of AWS D1.1, with the exception that no special inspection shall be required during welding procedures. All welds not called out shall be 5/16" fillet welds. Use E70 electrodes.

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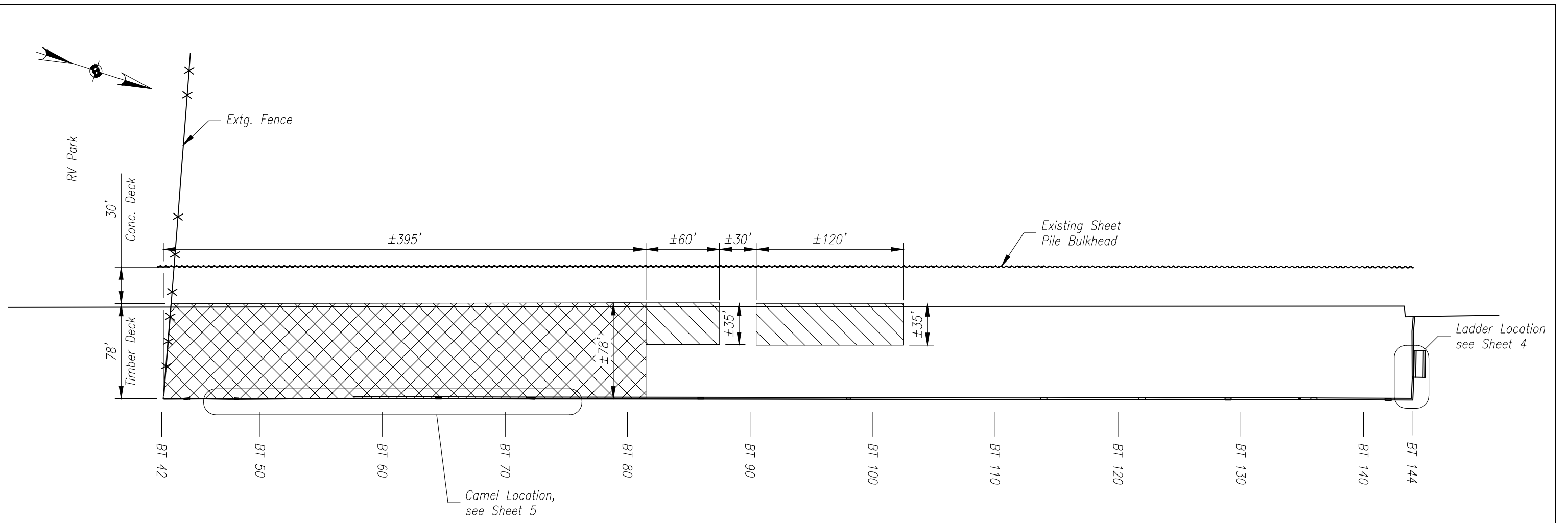
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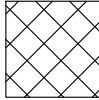


RENEWES: 12/31/2026

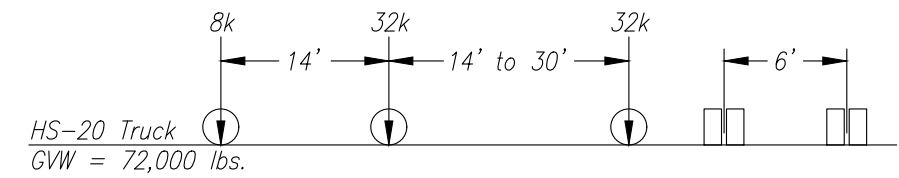
Mith-ih-Kwuh Economic Development Corporation	
<i>Ko-Kwel Wharf Dock Access Project</i>	
<i>General Notes</i>	
Designed: <i>D. Ojua</i>	Date: <i>3/31/2025</i>
Checked: <i>A. Dunn</i>	Sheet 2 of 6



Plan
Scale: 1" = 80'

LOAD RESTRICTIONS

-  All Use Prohibited
-  Limit Vehicles to 10,000 lbs.
No Material Storage
-  Limit Trucks to 72,000 lbs.
300 psf Material Storage



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OREGON
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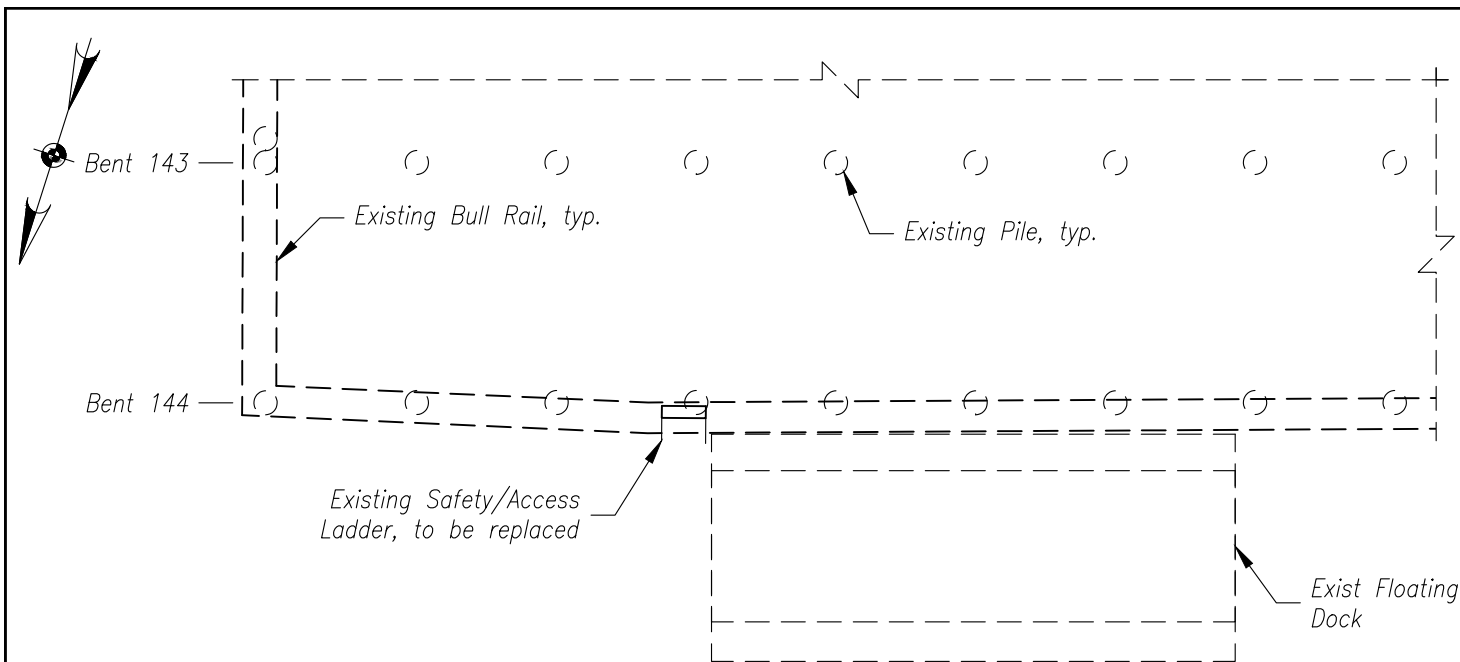
RENEWS: 12/31/2026

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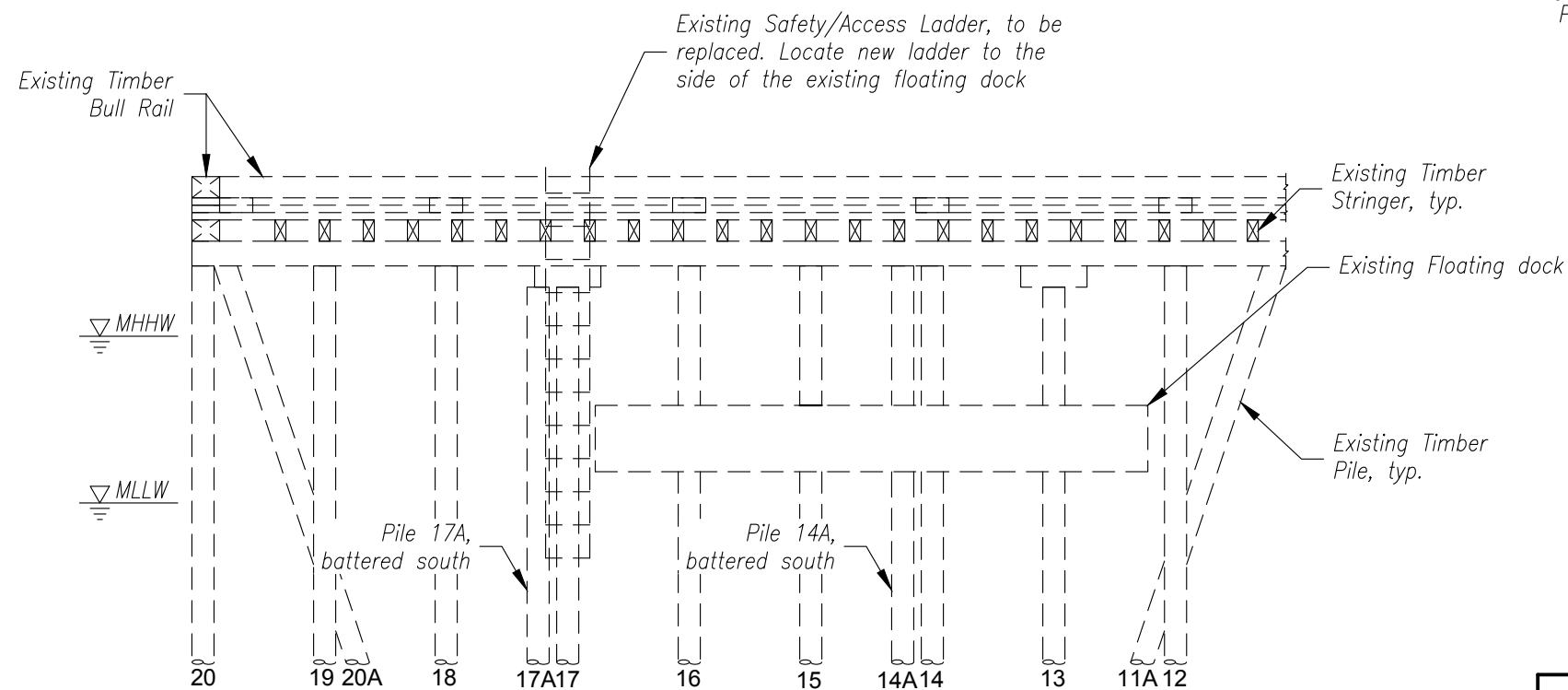
Ko-Kwel Wharf Dock Access Project

Site Plan

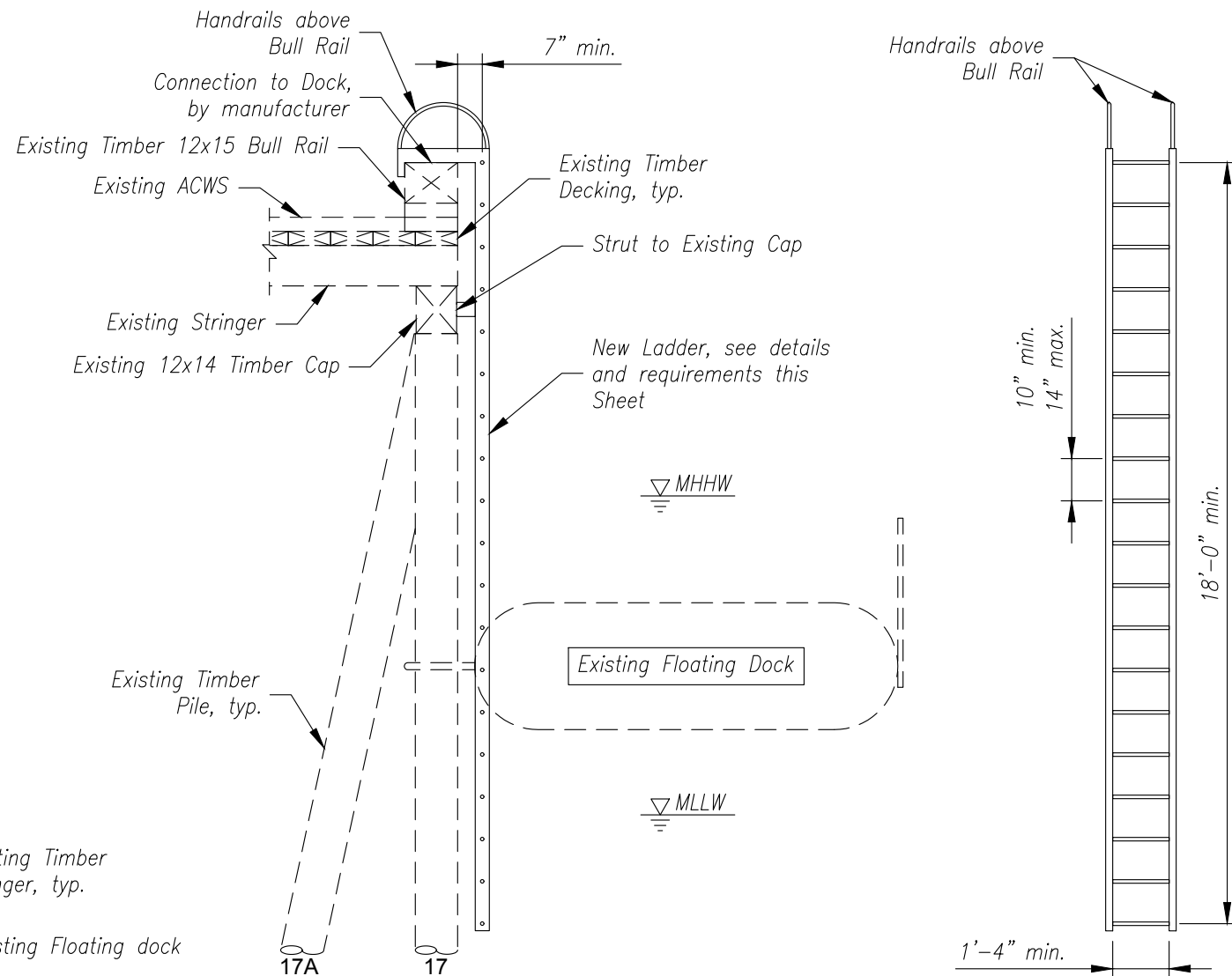
Designed: *D. Ojua* Date: 3/31/2025
 Checked: *A. Dunn* Sheet 3 of 6



Plan
Scale: 1/8" = 1'-0"



Elevation
Scale: 1/8" = 1'-0"



Section
Scale: 1/4" = 1'-0"

Ladder Details
Scale: 1/4" = 1'-0"

Note:
Ladder shall be designed for a 250 lb. concentrated load, with a Factor of Safety 4, based on ultimate strength. Ladder shall be fabricated either from steel and be hot dip galvanized after fabrication, or from aluminum. Ladder shall conform to the minimum and maximum geometry, as shown. Contractor shall submit manufacturers data and/or shop drawings for approval.

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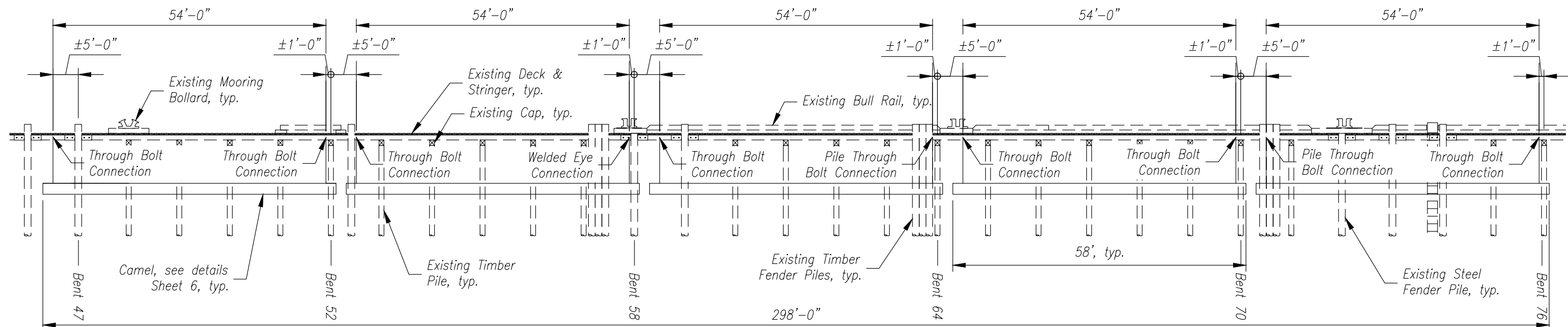
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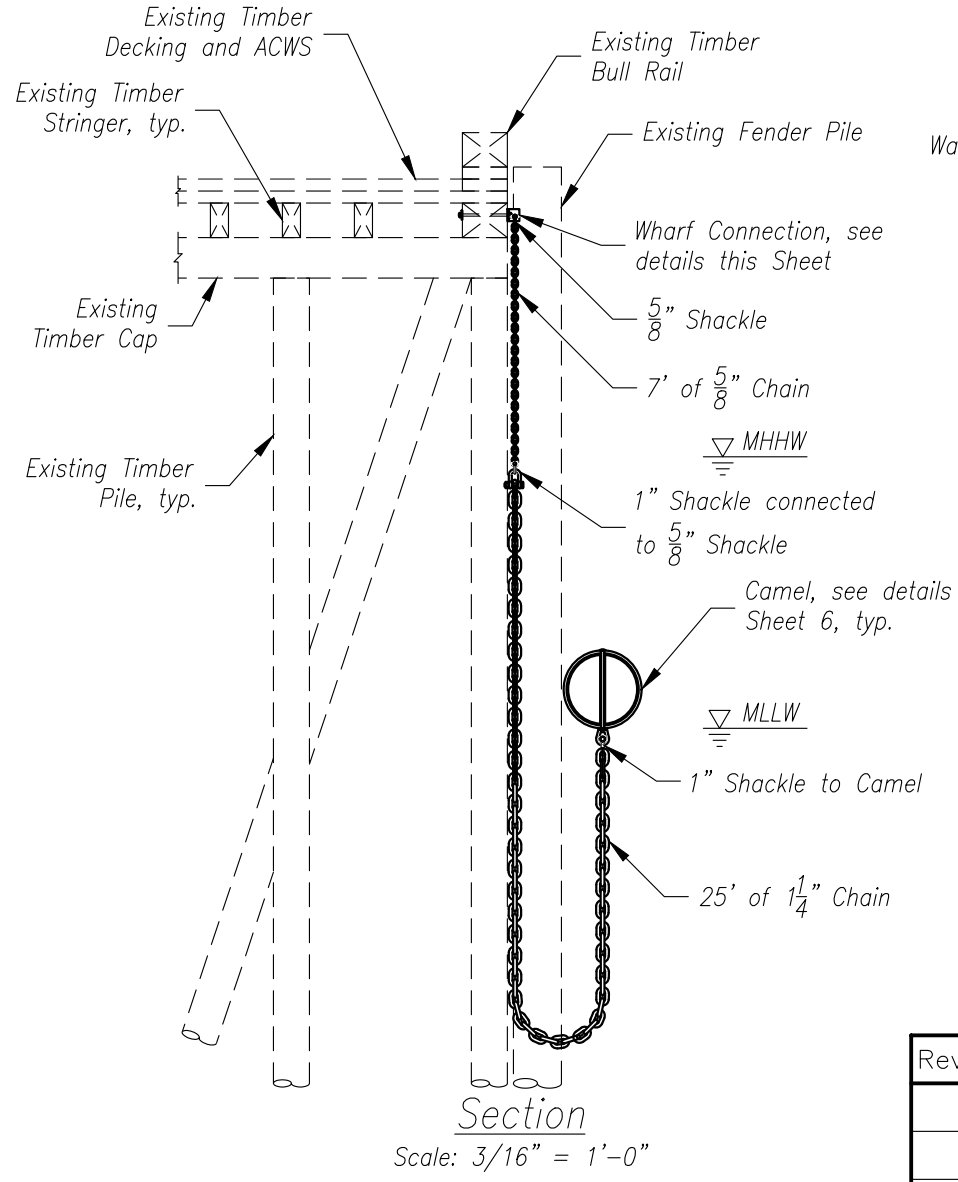
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Ladder

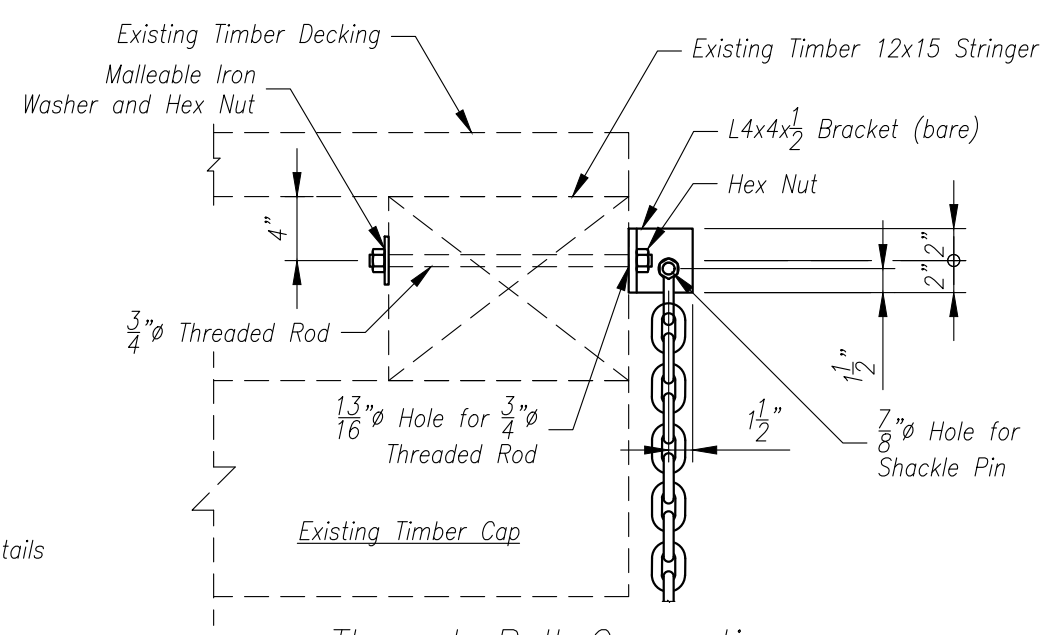
Designed: D. Ojua Date: 3/31/2025
Checked: A. Dunn Sheet 4 of 6



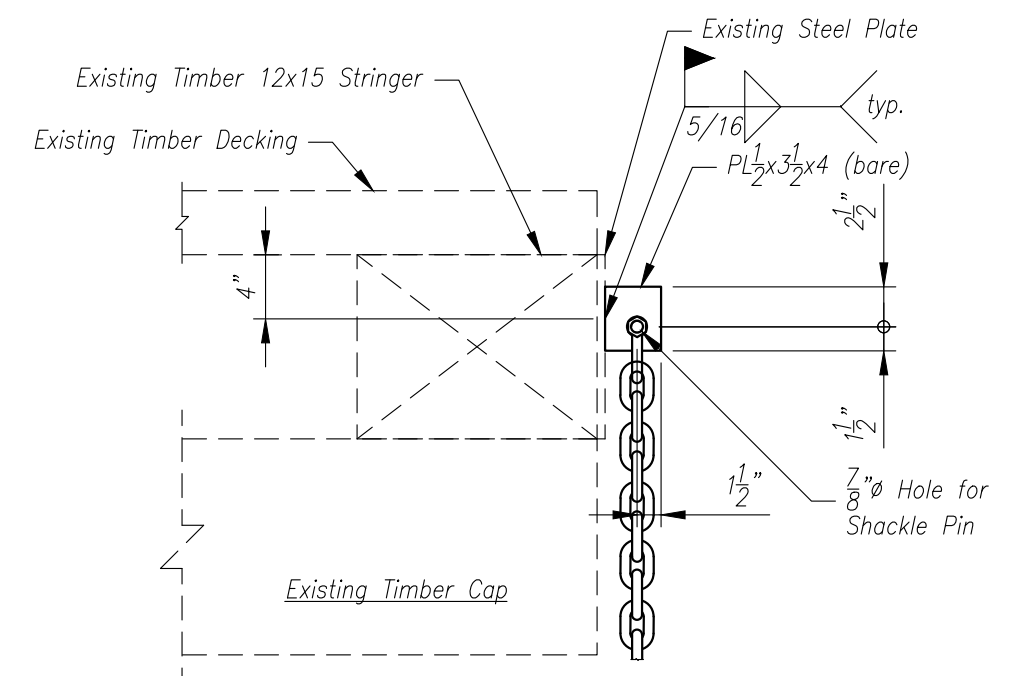
Elevation (Face of Dock)
Scale: 1" = 20'



Section
Scale: 3/16" = 1'-0"



Through Bolt Connection
Scale: 1" = 1'-0"
(Stringer Shown, Timber Pile Connection Similar)



Welded Connection
Scale: 1" = 1'-0"

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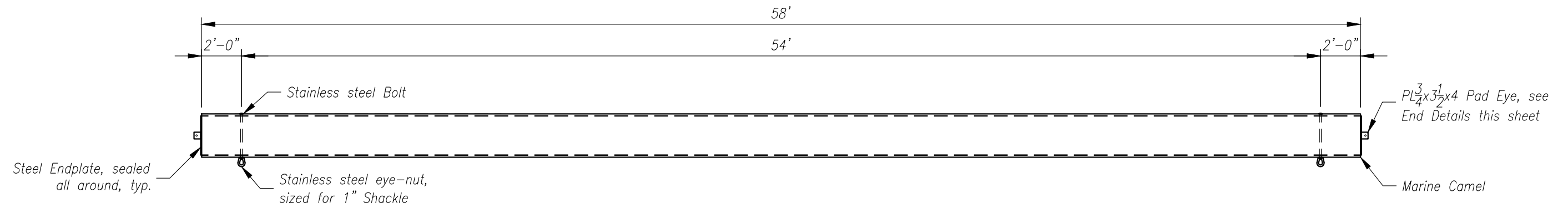
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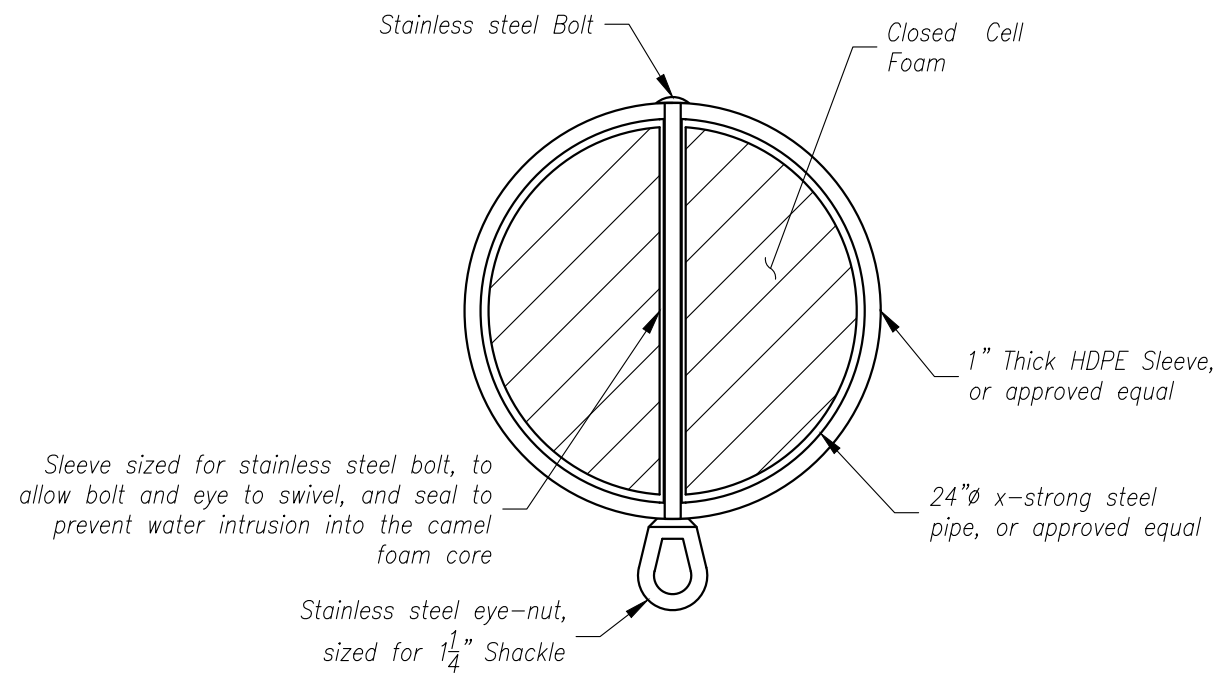
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Berthing Camel

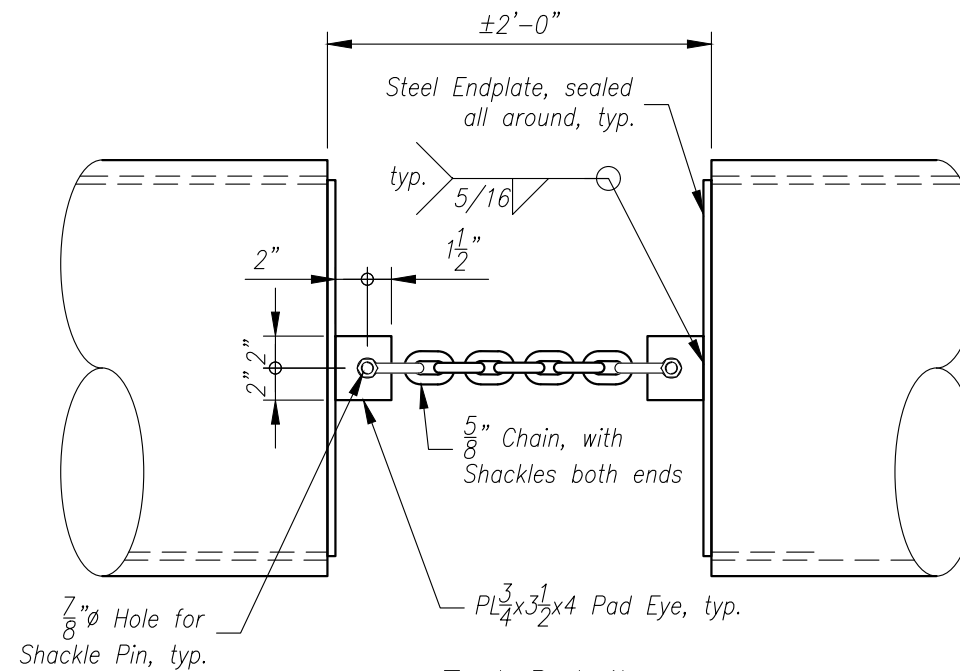
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Checked: A. Dunn Sheet 5 of 6



Elevation
 Scale: 3/16" = 1'-0"
 (5) Required



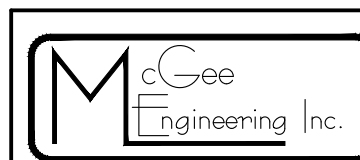
Section
 Scale: 1" = 1'-0"



End Details
 Scale: 1" = 1'-0"

Note:
 All exposed steel on the camel shall have a corrosion resistant coating.

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 Checked: A. Dunn Sheet 6 of 6