

**ADVERTISEMENT FOR BIDS**

**Cedaroak Boat Ramp Aluminum  
Boarding Docks  
Construct and Deliver**

**IN WEST LINN, CLACKAMAS COUNTY, OREGON**

**CITY OF WEST LINN, OREGON**

Sealed bids for the **Cedaroak Boat Ramp Aluminum Boarding Docks Construct and Deliver** in the City of West Linn, Clackamas County, Oregon, will be received by Ken Worcester, Parks and Recreation Director at City Hall, 22500 Salamo Road, West Linn, Oregon, 97068 (Telephone 503-503-557-4700 Fax 503-656-4106) until 2:00 PM, Wednesday, April 13, 2016, after which time, the bids shall be publicly opened and read. Bids received after 2:00 PM will not be considered.

First Tier Subcontractors Disclosure forms shall be submitted not later than 4:00 PM, October 7, **2015**. Bids shall be clearly marked **Cedaroak Boat Ramp Aluminum Boarding Docks Construct and Deliver**

Work generally consists of the manufacture and delivery of 11 aluminum floating boarding docks for the Cedaroak Boat Ramp Re-construction Project along the Willamette River. The contract work must be completed by September 30, 2016. The Approximate budget range for this project is **\$175,000 - \$225,000**.

The project documents including plans, specifications and proposed contract provisions may be reviewed at no cost through the City of West Linn's website at <http://bids.westlinnoregon.gov/> or obtained through the City of West Linn Located at 22500 Salamo Road, West Linn, Oregon.

All bidders must submit the Three Year Experience form included within the project documents.

Dated this March 21, 2016

**Ken Worcester, Parks and Recreation Director**  
Project Manager

Publication Date

Daily Journal of Commerce: March 22, 23 and 24 2016



CITY OF  
**West  
Linn**

## INVITATION FOR BID

CONSTRUCTION PROJECT

**Parks Department**  
22500 Salamo Road  
West Linn, Oregon 97068  
Telephone: (503) 557-4700  
Fax: (503) 656-4106

# City of West Linn

## Plans and Bid Documents

Project Number: **PRK017B**

Project Description: **Cedaroak Boat Ramp Aluminum Boarding  
Docks Construct and Deliver**

Plans and Specifications are available for download at no charge from the City's website at <http://westlinnoregon.gov/rfps>



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4. NONCOLLUSION AFFADAVIT
5. THREE YEAR EXPERIENCE RECORD
6. FIRST-TIER SUBCONTRACTOR DISCLOSURE (WH-179)  
Submit within 2 hours of bid closing.
7. AFFIDAVIT OF COMPLIANCE WITH TAX LAWS
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Project Number:	<b>PRK017B</b>	Bid Due Date:	<b>April 13, 2016</b>
Project Name:	Cedaroak Boat Ramp Aluminum Boarding Dock Construct and Deliver	Bid Due Time:	<b>2:00 p.m.</b>
Bid Opening Location:	City of West Linn – City Hall Council Chambers 22500 Salamo Rd., West Linn, OR 97068	Contact:	<b>Ken Worcester</b>
Time of Completion:	<b>90 – 160 calendar days</b>	Title:	<b>Parks &amp; Rec Director</b>
		Phone:	<b>(503) 557-4700</b>



CITY OF  
**West  
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# City of West Linn, Oregon

## Notice of Invitation for Bid and Contract

Project Description: **Project generally consists of constructing and delivering 11 floating aluminum boarding docks.**

Sealed bids for the project identified and described above will be received by the City of West Linn at the specified location above until the date and time cited above. Bids received by the correct date and time shall be publicly opened and the bid price read. Bids shall be in the actual possession of the identified bidding department on or prior to the exact date and time indicated above. Late bids will not be considered, except as provided in the City of West Linn Procurement Policy. **Bids shall be submitted in a sealed envelope with the Invitation for Bid Project Number, Project Description, and the bidder's name and address clearly indicated on the front of the envelope.** All bids shall be completed in ink or typewritten. This Bid is for a public works project subject to ORS 279C.800 to 279C.870. Bidders are strongly encouraged to carefully read the **entire** Invitation for Bid Package.

### BIDDER

#### To the City of West Linn:

The undersigned hereby Bids and agrees to furnish materials and/or services in compliance with all terms, conditions, specifications and addenda in the Notice of Invitation for Bid except for any written exceptions in the Bid. The signature below also certifies his or her understanding and compliance with The City of West Linn Standard Terms and Conditions.

Is the Bidder a "Resident" Bidder per ORS 279A.120? \_\_\_\_\_  
Construction Contractors Board Yes/No

Registration Number: \_\_\_\_\_

Federal Employer  
Identification Number: \_\_\_\_\_

For clarification of this Bid contact:

Name: \_\_\_\_\_

Telephone: \_\_\_\_\_

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Authorized Signature for Bidder

\_\_\_\_\_  
Address

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
City State Zip Code

\_\_\_\_\_  
Title

### ACCEPTANCE OF BID AND CONTRACT AWARD (For City of West Linn Use Only)

Your bid is hereby accepted. The Contractor is now bound to sell the materials and/or services listed by the attached award notice based upon the solicitation, including all terms, conditions, specifications, plans, addendum, amendments, etc., and the Contractor's Bid as accepted by the City.

Approved as to form:

\_\_\_\_\_  
Megan Thornton  
Assistant City Attorney

City of West Linn, Oregon.

Awarded on \_\_\_\_\_, \_\_\_\_\_.

\_\_\_\_\_  
Don Otterman, Interim City Manager



CITY OF  
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## SPECIAL TERMS AND CONDITIONS

Solicitation Number: PRK017B

**Parks Department**  
22500 Salamo Road  
West Linn, Oregon 97068  
Telephone: (503) 557-4700  
Fax: (503) 656-4106

### 1. PREPARATION OF BID:

- a. All bids shall be submitted on the forms provided in this *Invitation to Bid* package. It is permissible to copy these forms if required. Telegraphic (facsimile), electronic or mailgram bids will not be considered.
- b. The Bid and Contract Award document shall be submitted with an original ink signature by a person authorized to sign the Bid.
- c. Erasures, interlineations, or other modifications in the bid shall be initialed in original ink by the authorized person signing the Bid.
- d. If price is a consideration and in case of error in the extension of prices in the bid, the unit price shall govern. No bid shall be altered, amended, or withdrawn after the specified bid due date and time.
- e. Periods of time, stated as a number of days, shall be calendar days.
- f. Bid due date and time is stated as local Oregon time.
- g. The following items must be completed as part of the Bid submittal; Notice of Invitation for Bid and Contract (indicating Oregon Construction Contractors Board License Number), Bid Form, Bid Guaranty (Bond), Non-Collusion Affidavit, **Three-Year Experience**, and Addenda. Within two (2) hours of the Bid submittal, or with the Bid submittal, the First Tier Subcontractor Disclosure Form must be submitted if the bid is greater than \$100,000.
- h. It is the responsibility of all Bidders to examine the entire *Invitation For Bid* package and seek clarification of any item or requirement that may not be clear and to check all responses for accuracy before submitting a bid. Negligence in preparing a Bid confers no right of withdrawal after bid due date and time.

2. **INQUIRIES:** Any question related to the *Invitation For Bid (IFB)* shall be directed to the Buyer whose name appears as the Contact on the *IFB*. The Bidder shall not contact or ask questions of the department for which the requirement is being procured. Questions should be submitted in writing when time permits. The Buyer may require any and all questions be submitted in writing at the Buyer's sole discretion. Any correspondence related to an *Invitation For Bid* should refer to the appropriate *IFB* number, page, and paragraph number. All requests for additional information or interpretation of the *IFB* shall be submitted to the Buyer no later than five (5) calendar days before the deadline for submission of bids. If, in the opinion of the City, additional information or clarification is required, an addendum will be issued to all plan holders on record. Any addenda issued by the City seventy-two (72) hours or more before the scheduled closing time for filing bids shall be binding upon the Bidder. Addenda may be downloaded from the City's website. Bidders shall frequently check the City's website until closing including at least daily the week of the closing. Failure of the Bidder to receive or obtain such addenda shall not excuse them from compliance therewith if they are awarded the contract. Oral instructions or information given by City Officers, employees or agents to Bidders concerning this *IFB* or the work in general shall not bind the City.

3. **LATE BIDS:** Late Bids received after the scheduled bid due date and time will be returned to the Bidder unopened.

4. **WITHDRAWAL OF BID:** At any time prior to the specified bid due date and time, a Bidder (or designated representative) may withdraw the bid.

5. **ADDENDUM OF BID:** Receipt of Addendum shall be acknowledged by signing and returning the document with the Bid at the specified bid due date and time.

6. **CONSTRUCTION CONTRACTORS REGISTRATION:** A person shall not submit a bid or proposal to work as a construction contractor unless that person is first registered with the Construction Contractors Board as required by ORS 701.021 or licensed by the State Landscape Contractor's Board as required by ORS 671.530. Bids from persons who fail to comply with this requirement shall be deemed non-responsive and be rejected.

### 7. AWARD OF CONTRACT:

- a. Notwithstanding any other provision of this *Invitation For Bid*, The City expressly reserves the right to: waive any immaterial defect or informality, reject any bids that do not comply with the prescribed public contracting procedures (including the requirement to demonstrate the bidder's responsibility under ORS 279C.375 (3)(b)), reject all bids for good cause if in the public interest, or reissue an *Invitation For Bid*.
- b. A response to an *Invitation For Bid* is a Bid to contract with the City based upon the terms, conditions and specifications contained in the City's *Invitation For Bid* and the written addenda thereto, if any. Bids do not become contracts unless and until they are accepted and executed by the **City Local Contract Review Board, City Manager or Department Director** in accordance with the City of West Linn Procurement Policy. A contract is formed when written notice of award(s) is provided to the successful Bidder(s). The contract has its inception in the award document, eliminating a formal signing of



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## SPECIAL TERMS AND CONDITIONS

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a separate contract. For that reason, all of the terms and conditions of the procurement contract are contained in the *Invitation For Bid*; unless modified by an Addendum.

**THE FOLLOWING TERMS AND CONDITIONS ARE AN EXPLICIT PART OF THE SOLICITATION AND ANY RESULTANT CONTRACT.**

1. **APPLICABLE LAW:** In the performance of this agreement, contractors shall abide by and conform to any and all laws of the United States, State of Oregon and City of West Linn including but not limited to federal and state executive orders providing for equal employment and procurement opportunities, the Federal Occupational Safety and Health Act and any other federal or state laws applicable to this agreement.

Attention is called to the requirements of Oregon Revised Statutes (O.R.S.) Chapter 279A, 279B, and 279C. This contract shall be governed by the laws of the State of Oregon. Any action or suits pertaining to this contract may be brought only in courts in the Circuit Court of Clackamas County or the U.S. District Court in Portland. Each and every provision of law and any clause required by law to be in the contract will be read and enforced as though it were included herein, and if through mistake or otherwise any such provision is not inserted, or is not correctly inserted, then upon the application of either party, the contract will forthwith be physically amended to make such insertion or correction.

The City may cancel this contract without penalty or further obligations by the City or any of its departments or agencies if any person significantly involved in initiating, negotiating, securing, drafting or creating the contract on behalf of the City or any of its departments or agencies, is at any time while the contract or any extension of the contract is in effect, an employee of any other party to the contract in any capacity or a consultant to any other party of the contract with respect to the subject matter of the contract.

2. **AMERICANS WITH DISABILITIES ACT, DISCRIMINATION & AFFIRMATIVE ACTION:** Bidders agree that if awarded a contract, the successful Bidder will comply with all applicable provisions of the Americans with Disabilities Act of 1990, 42 USC Section 12101 et seq. If any Bidder requires special assistance or auxiliary aids during the bidding process, please notify the City of West Linn, 503-657-0331 or TDD 503-657-7845 at least two (2) business days prior to the required assistance. To the extent applicable, the Contractor represents that it will comply with Executive Order 11246 as amended, Executive Order 11141, Section 503 of the Vocational Rehabilitation Act of 1973 as amended and the Age Discrimination Act of 1975, and all rules and regulations issued pursuant to the Acts. It is the policy of the City of West Linn that suppliers of goods or services to the City adhere to a policy of equal employment opportunity and demonstrate an affirmative effort to recruit, hire, and promote regardless of race, color, religion, gender, national origin, age or disability. By submitting the first tier subcontractor disclosure form, Bidder certifies that it has complied with ORS 279A.110(1), which states that a bidder may not discriminate against a subcontractor in awarding a subcontract because the subcontractor is a minority, women or emerging business enterprise certified under ORS 200.055 or a business enterprise that is owned or controlled by, or that employs a disabled veteran.
3. **BUSINESS LICENSE:** A current business license is required before doing business with the City. Information related to complying with the business license requirements is available by contacting the City Finance Department at 503-657-0331 or online at <https://westlinnoregon.gov/finance/online-business-license-registration>.
4. **CONSTRUCTION AND LANDSCAPE CONTRACTORS BOARDS:** Construction contractors must be licensed with the State of Oregon Construction Contractors Board in accordance with O.R.S. 701.005 and any other specialty licensing as required in the bid specification prior to submitting a bid to the City. For information contact:

CONSTRUCTION CONTRACTORS BOARD  
700 Summer St. NE, Suite #300, Salem, OR 97310  
(503) 378-4621 (website) <http://www.ccb.state.or.us>



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**SPECIAL  
TERMS AND CONDITIONS**

Solicitation Number: PRK017B

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Telephone: (503) 557-4700  
Fax: (503) 656-4106

A Landscape Contractors Board license is required in accordance with O.R.S. 671.510 if the bid specification includes landscape work as defined by O.R.S. 671.510. For information contact:

LANDSCAPE CONTRACTORS BOARD  
2111 Front St. NE, Suite #2-101, Salem, OR 97310  
(503) 378-5909 (website) <http://www.oregon.gov/LCB/>

**5. GOODS OR SERVICES TO BE PROVIDED**

City shall purchase goods or services from Contractor in accordance with specifications, scope, and unit prices outlined in Exhibit B. This Contract is non-exclusive; City reserves the right to procure goods or services through any other means as it deems necessary. Contractor shall be responsible for the delivery of goods or services in accordance with Exhibit B and the terms and conditions of this Contract.

**6. EFFECTIVE DATES AND DURATION**

This Contract shall become effective upon **month day, year**, and shall expire, unless otherwise terminated or extended, on **month day, year**.

**7. COMPENSATION**

City agrees to compensate Contractor for goods or services supplied, including any applicable shipping and handling charges, as described in Exhibit B. City shall not be responsible for payment of any materials, services, expense, or costs other than those which are specifically included in Exhibit B. Payment shall be on a unit price only for those goods or services received in an acceptable condition to City. Compensation over the life of this Contract is estimated at/not to exceed **express dollar amount in words** Dollars (**Sexpress dollar amount in numbers**). Any pricing increase must be submitted to the City 60 days prior to the effective date and must be in compliance with the Escalation Clause stated in Exhibit B. Payment will be made based on Contractor's invoice, subject to the approval of the Contract Manager or appropriate City representative, and not more frequently than monthly. Payment shall be made only for work actually completed as of date of invoice. Payment terms shall be net 30 days from date of invoice.

**8. CONTACT INFORMATION**

All notices, bills, and payments shall be made in writing and may be given by personal delivery, mail, or fax. Payments may be delivered by personal delivery, mail, or electronic transfer. The following addresses and contacts shall be used to transmit notices, bills, payments, and other information:

<b>Contract Manager for City:</b>	<b>Contract Manager for Contractor:</b>
City of West Linn	Company: Contractor
Attn: Ken Worcester, Parks and Recreation Director	Attn: Name
22500 Salamo Rd, West Linn, Oregon 97068	Address: Contractor's mailing address
Phone: 503- 557-4700	Phone: insert #
Fax: 503- 656-4106	Fax: insert #
Email: kworcester@westlinnoregon.gov	Email: insert email



As  
CITY OF  
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## **SPECIAL TERMS AND CONDITIONS**

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### **9. CONTRACTOR AS INDEPENDENT CONTRACTOR**

Contractor acknowledges that for all purposes related to this Contract, Contractor is and shall be deemed to be an independent contractor as defined by ORS 670.600 and not an employee of City, shall not be entitled to benefits of any kind to which an employee of City is entitled and shall be solely responsible for all payments and taxes required by law. Furthermore, in the event that Contractor is found by a court of law or any administrative agency to be an employee of City for any purpose, City shall be entitled to offset compensation due, or to demand repayment of any amounts paid to Contractor under the terms of this Contract, to the full extent of any benefits or other remuneration Contractor receives (from City or third party) as a result of said finding and to the full extent of any payments that City is required to make (to Contractor or to a third party) as a result of said finding.

Contractor acknowledges that for all purposes related to this Contract, Contractor is not an officer, employee, or agent of the City as those terms are used in ORS 30.265.

### **10. INDEMNIFICATION**

Contractor shall defend, indemnify, and hold harmless City, City's officers, employees, agents, and representatives from and against all liability, claims, demands, judgments, penalties, and causes of action of any kind or character, or other costs or expenses incidental to the investigation and defense thereof, of whatever nature, resulting from or arising out of the activities of the Contractor or its Subcontractors, agents, or employees under this contract, except, however, that the foregoing shall not apply to liability that arises out of City's negligence.

### **11. INSURANCE**

Contractor shall maintain insurance acceptable to City in full force and effect throughout the term of this contract. Such insurance shall cover all risks arising directly or indirectly out of Contractor's activities and work hereunder.

The policy or policies of insurance maintained by the Contractor shall provide at least the following limits and coverages:

a. Commercial General Liability Insurance

If Contractor will be installing or testing the goods, or otherwise performing services on City's premises, Contractor shall provide a certificate indicating that Contractor has commercial general liability insurance covering bodily Injury and Property Damage on an "occurrence" form. This coverage shall include Contractual Liability insurance. Coverage will include \$2,000,000 per occurrence and \$3,000,000 general annual aggregate. Said insurance shall name City as an additional insured and shall require written notice to City thirty (30) days in advance of cancellation. If Contractor hires a carrier to make delivery, Contractor shall ensure that said carrier complies with this paragraph.

b. Business Automobile Liability Insurance

If Contractor will be delivering the goods, Contractor shall provide City a certificate indicating that Contractor has business automobile liability coverage for all owned, hired, and non-owned vehicles. The Combined Single Limit per occurrence shall not be less than \$2,000,000. Said insurance shall name City as an additional insured and shall require written notice to City thirty (30) days in advance of cancellation. If Contractor hires a carrier to make delivery, Contractor shall ensure that said carrier complies with this paragraph.

c. Workers' Compensation Insurance

The Contractor, its Subcontractors, if any, and all employers providing work, labor, or materials under this Contract that are subject employers under the Oregon Workers' Compensation Law shall comply with ORS 656.017, which requires them to provide workers' compensation coverage that satisfies Oregon law for all their subject workers. Out-of-state employers must provide Oregon workers' compensation coverage for their workers who work at a single location within Oregon for more than



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30 days in a calendar year. Contractors who perform work without the assistance or labor of any employee need not obtain workers' compensation coverage. All non-exempt employers shall provide Employers Liability Insurance with coverage limits of not less than \$500,000 each accident.

d. Certificates of Insurance

As evidence of the insurance coverage required by the contract, the Contractor shall furnish a Certificate of Insurance to the City. No contract shall be effective until the required certificates have been received and approved by the City. The certificate will specify and document all provisions within this Contract.

e. City's insurance is excess and not contributory insurance with the insurance required by this contract.

Any action or suits involving any question arising under this Contract must be brought in the Circuit Court of the State of Oregon.

**12. AMENDMENT AND COMPLETE AGREEMENT**

This Contract, including the attached terms and conditions in Exhibit A, constitutes the entire agreement between the parties. It is expressly agreed that should there be any conflict between the terms of this Contract and any terms and conditions in other referenced attachments or exhibits, this Contract shall control and nothing herein shall be considered as acceptance of conflicting terms. No waiver, consent, modification, or change of terms of this Contract shall bind either party unless in writing and signed by both parties. Such waiver, consent, modification, or change if made, shall be effective only in specific instances and for the specific purpose given. There are no understandings, agreements, or representations, oral or written, not specified herein regarding this Contract. Contractor, by the signature of its authorized representative, hereby acknowledges that he/she has read this Contract, understands it and agrees to be bound by its terms and conditions.

IN WITNESS WHEREOF, City has caused this Contract to be executed by its duly authorized undersigned officer and Contractor has executed this Contract on the date hereinabove first written.

**CONTRACTOR**

**CITY OF WEST LINN**

\_\_\_\_\_  
By: Authorized Representative

\_\_\_\_\_  
By: Authorized Representative

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

APPROVED AS TO FORM:

\_\_\_\_\_  
CITY ATTORNEY



CITY OF  
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## APPENDIX A

Solicitation Number: PRK017B

**Parks Department**  
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### **CITY OF WEST LINN STANDARD TERMS AND CONDITIONS**

1. **Packing & Shipment.** Deliveries shall be made as specified, without charge for boxing, crating, carting or storage. Material shall be suitably packed to ensure against damage from weather or transportation and to secure lowest transportation costs, and in accordance with the requirements of common carriers. City's Order number and symbols must be plainly marked on all invoices, packages, bills of lading and shipping orders. Packing lists shall accompany each box or package shipment. City's count or weight shall be conclusive on shipment not accompanied by packing lists. Unless otherwise specifically agreed, all costs of packaging and shipment are included in the purchase price and all goods will be shipped, with all costs prepaid. Risk of loss to goods in shipment (including damage, destruction, theft, or loss) shall be borne by the Contractor. Risk of loss shall not pass to City until the goods are delivered to and checked in at the location specified by City in this Order.
2. **Warranty.** Unless otherwise agreed in writing, Contractor warrants that the products ordered will conform to the specifications herein and to any drawings, samples, or other description furnished or adopted by City. All products are warranted to be merchantable, to be of the highest quality design, material, and workmanship and free from defect and to be fit for purpose intended. All warranties shall survive inspection or test, acceptance and payment. Warranties shall run to City, its successors, assigns and customers. Warranty period shall be 1 year from date of acceptance by City.
3. **Inspection and Acceptance.** At City's request, Contractor shall provide a complete inspection program; satisfactory to City, for City's inspection of all materials, fabricating methods, equipment in process work and finished products.  
If this Order provides for inspection of the work by City on site during the period of manufacture, Contractor agrees to provide City's inspectors with reasonable facilities and assistance during such inspection. Inspection by City shall not unduly delay the work. City may charge Contractor any additional cost incurred by City if the work is not ready in accordance with the inspection schedule. Any inspection made or Waiver-of-Inspection-Notice given by City will not relieve Contractor from its responsibilities for delivering products and work hereunder.  
Acceptance or rejection of the products shall be made up to 10 days after delivery and inspection by City except as otherwise provided herein. Failure to inspect and accept or reject products shall neither relieve Contractor from responsibility for such products, which do not meet the requirements herein nor impose liability on City therefor.
4. **Delivery.** If Contractor fails to meet the delivery schedule provided herein, City may require Contractor to deliver the products, or any portion thereof, in any manner commercially necessary to speed delivery, all at the Contractor's sole expense. Unless otherwise agreed upon in writing by City and Contractor, Contractor shall be required to pay the normal freight weight plus any premium rate required. Invoices covering products shipped in advance of the date specified will not be paid until after the date specified for delivery and are subject to rejection, as provided in this paragraph immediately below, if shipped too early.  
Neither party shall be liable for delays or defaults due to strike, fire, windstorm, riot, natural disaster, war, civil unrest or other similar unforeseeable cause beyond the control and without the fault or negligence of the party incurring such delay. Contractor shall notify City in writing of the existence of such cause within 5 days after the commencement of the delay or default giving pertinent information concerning such cause. No delivery shall be made more than 7 days prior to the applicable delivery date and City shall have the right to return earlier deliveries at Contractor's risk and expense or charge to Contractor any additional costs sustained because of the same.
5. **City-Furnished Materials.** Contractor shall assume all risk of loss of any material furnished by City to Contractor for use in performance of this Order.
6. **Taxes.** Contractor shall not invoice City for any taxes nor include in Contractor's price any federal excise, state, or city tax or any other tax, unless Contractor has first asked City for City's tax exemption number and it has been agreed upon between both parties that City is not exempt from the tax.
7. **Changes.** City may, by written order, make changes including changes in drawings or specifications. City will equitably adjust any difference in cost or time for performance resulting from such change and the Order modified in writing accordingly. **ANY CLAIM BY CONTRACTOR UNDER THIS CLAUSE MUST BE ASSERTED IN WRITING WITHIN 30 DAYS FROM THE DATE OF CONTRACTOR'S RECEIPT OF THE CHANGE ORDER OR THE CLAIM WILL NOT BE ALLOWED.**  
In the event that City proposes any change prior to making such change by written order and such change will have an effect on the warranty of the products procured by this Order, Contractor shall notify City in writing of such effect within 10 days of receipt of such proposal.



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## APPENDIX A

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8. Advertising. Contractor shall not, without the written consent of City, in any manner advertise or publish the fact that Contractor has furnished or contracted to furnish to City the products herein.
9. Cancellation for Cause. City may cancel all or any part of the undelivered portion of this Order if Contractor breaches any of the terms hereof or in the event of any of the following: Insolvency of Contractor, a voluntary or involuntary petition in bankruptcy for, by or against Contractor; the appointment of a receiver or trustee for Contractor, or an assignment for the benefit of creditors by Contractor or if City has reasonable cause to believe Contractor will become insolvent, file for bankruptcy, go out of business or that the products being shipped may be subject to lien, claim or attachment by a creditor of Contractor. Any such cancellation under this section shall be cancellation for cause and in the event of such cancellation, City shall have the right to complete, or cause to have completed, this Order including the right to cause Contractor to produce, without liability of any kind to the City, proprietary items of the Contractor as necessary to complete the Order. The remedies and damages in this section shall be cumulative and in addition to any other or further remedies provided at Law or in Equity, including reasonable and necessary attorney's fees and other costs of litigation.
10. Termination. City has the right, in its sole discretion, to terminate this Agreement without cause or for no cause at any time by giving notice to Contractor. If City terminates the contract pursuant to this section, it shall pay Contractor for goods shipped by Contractor prior to receipt by Contractor of the notice of termination. City may deduct the amount of damages, if any, sustained by City due to any breach of contract or warranty by Contractor. Damages for breach of contract or warranty shall be those allowed by Oregon law, reasonable and necessary attorney fees, witness fees (expert and non-expert), and other costs of litigation at trial and on appeal.
11. Assignment and Subcontracting. Contractor may not assign or subcontract any of its rights or obligations hereunder without the prior written approval of City. Any unapproved assignment shall be void. Contractor shall be fully responsible for the acts or omissions of any subcontractors and all persons employed by them, and neither the approval by City of any subcontract nor anything contained herein shall be deemed to create any contractual relation between the subcontractor and the City. City may assign its rights under this Order.
12. Work on City's Premises. If Contractor's performance of this Order involves operations by Contractor on City's premises, Contractor shall (a) provide all necessary and sufficient safeguards and take all proper precautions against the occurrence of injury to any person or damage to any property, and shall be responsible for and shall indemnify and hold harmless City, its representatives, officers, employees, and agents from any and all loss, suit, action or claim, including cost and attorney's fees, by reason of injury, including death, to any person and carry public liability and property damage insurance with limits of liability of not less than \$2,000,000 each, unless higher limits are required by a signed purchase agreement, with contractual liability endorsement and such insurance as set forth in the insurance clause of the contract. Compliance shall be verified by Certificate of Insurance with appropriate endorsements sent to City prior to Contractor commencing work on City's premises. Any work performed on City's premises must be done pursuant to all OSHA standards, all applicable State and Federal health and safety laws, rules and regulations and all workers must be covered by workers' compensation insurance furnished through and paid for by Contractor.
13. Stop Work Order. City may, at any time by written order to Contractor, require Contractor to stop all, or any part of the work called for by this Order for a period of 90 days after the written order is delivered to Contractor, and for any further period to which the parties may agree and for any other period to which the parties may have agreed or as provided in Section 4, 10, and/or 11. Within the period of 90 days or less or within any extension of that period, City shall either: (a) cancel the "Stop Work Order" and direct Contractor to resume work; or (b) terminate the work covered by this Order. If City orders Contractor to resume work, Contractor shall be entitled to any equitable adjustment pursuant to Section 8 provided a claim for such an adjustment shall be submitted by Contractor within 30 days after the end of the period of work stoppage.
14. Payment. Payment date shall be calculated from the date of City's receipt of an acceptable invoice and City's acceptance of the products and supporting documentation at destination.
15. Information/Data. Unless otherwise agreed in writing any designs, drawings, specifications, or other manufacturing information furnished by City to Contractor shall be confidential to City and is furnished solely for the performance of this Order. All copies of such information shall be returned to City upon completion of the Order. Any designs, drawings, specifications, or other manufacturing information delivered by Contractor to City may be used for any purpose whatsoever. The foregoing shall apply notwithstanding the presence or absence of any contrary legend or statement on any of such information. All business and governmental information materials containing business and governmental information provided by City to Contractor shall be treated as confidential.
16. Compliance with Laws and Regulations. Contractor warrants that all products, goods, or work delivered and performed shall comply with all applicable Federal, State or Local Laws or Regulations including without limitation The Occupational Safety and Health Act (29 USC.



CITY OF  
**West  
Linn**

## APPENDIX A

Solicitation Number: PRK017B

**Parks Department**  
22500 Salamo Road  
West Linn, Oregon 97068  
Telephone: (503) 557-4700  
Fax: (503) 656-4106

Chapter 15); Federal Hazardous Material Transportation Act (49 USC. Chapter 27); Equal Employment Opportunity; E.O. 11246 and 41 CFR Sections 60-1.4 and 60-1.7; Employment of the Handicapped E.O. 11758 and 41 CFR Section 60-741-4; Utilization of Minority Enterprises E.O. 11625 and 41 CFR Subpart 1-1.13; Age Discrimination E.O. 11141, Employment of Veterans E.O. 11701 and 41 CFR Section 50-250.4 and all rules, regulations and amendments issued pursuant to the foregoing.

Contractor shall indemnify City, its officers, employees and agents against any damages, penalties, costs or expenses incurred in connection with any alleged violation of any Federal, State or Local Law or regulating the manufacture or sale to the City of any Item covered by this Order.

17. Patents, Copyrights, Trademarks. Contractor warrants that no products will be furnished hereunder which infringe or contribute to the infringement of any letters patent, copyright or trademark. Contractor agrees to immediately replace at its sole cost any products furnished hereunder which infringe or contribute to the infringement of any letters patent, copyright or trademark or to take all steps necessary at Contractor's sole expense to remove such infringement.

Contractor will indemnify and hold harmless City, its representatives, officers, employees and agents from and against any and all costs, royalties, damages and/or expenses which may arise out of or result from, or be reasonably incurred in contesting any claims that the methods, processes or acts by the Contractor or its employees or the products furnished hereunder, infringes or contributes to the infringement of any letters, patent, copyright or trademark.

18. Waiver. The failure of City to enforce at any time any of the provisions of this Order or to exercise any option herein provided, shall not be a present or future waiver of such provisions, nor in any way affect the validity of this Order or any part hereof, or the right thereafter to enforce each and every such provision. The express waiver (whether 1 or more times) of any provision, condition or requirement shall not constitute a waiver of any future obligation to comply with such provision, condition or requirement.

19. Independent Contractor. Contractor is an independent contractor and persons employed by Contractor shall be employees of Contractor and not employees of City.

20. Complete Agreement. The Purchase Agreement and any referenced attachments and exhibits constitute the complete agreement between the parties. Except as otherwise provided, this Agreement may only be modified by a written document signed by both parties.

21. Acceptance by Performance. If Contractor fails provide to City with a signed copy of this order, but delivers product or performs the services specified in this agreement, then Contractor agrees that the Contractor shall be deemed to have accepted the terms and conditions of this order, as provided on both the front and this reverse side of the order. City must agree any changes or modifications to this order by Contractor to, in writing, or they shall not be deemed accepted by City and if the Contractor delivers the products nonetheless, then the original terms and conditions of this order shall govern.

22. Mandatory Mediation and Binding Arbitration. If there is a dispute concerning any of the terms, conditions or the performance of this order, then it is hereby agreed by both City and Contractor that the dispute shall be submitted first to non-binding mediation, to be performed by a sole mediator to be agreed upon between City and Contractor. If a mediator cannot be agreed upon, then the parties agree that any Circuit Court judge for the State of Oregon, County of Clackamas, shall be authorized to appoint a mediator for the parties.

Should the parties fail to reach an agreement through mediation, then the parties shall submit to binding arbitration, which shall be governed by the rules of the Arbitration Service of Portland, and shall be conducted within Clackamas County. The arbitration shall be conducted by a single arbitrator chosen by mutual agreement of the parties. If the parties are unable to agree on an arbitrator, the parties shall ask the Presiding Judge of the Circuit Court for Clackamas County to select the arbitrator. If the arbitrator determines that one party is the prevailing party, then the losing party shall be required to pay all fees and costs of the arbitration. On the other hand, if the arbitrator determines that neither party is to be considered the prevailing party, then the fees and costs of the arbitration shall be divided equally between the parties. The parties knowingly and voluntarily waive their rights to have their dispute tried and adjudicated by a judge or jury. In the event a party fails to proceed with arbitration, unsuccessfully challenges the arbitrator's award, or fails to comply with the arbitrator's award, then the other party shall be entitled to costs, including reasonable attorney fees, for having to compel arbitration or defend or enforce the award. The parties agree to defend the arbitrator and any individual engaged in the administration of an arbitration proceeding from any subpoenas or claims from third parties arising out of this order or the arbitration.

23. Jurisdiction and Attorney Fees. This order shall be governed and construed according to the laws of the State of Oregon. If a dispute shall arise under this order necessitating the services of an attorney, then the prevailing party shall be entitled to collect from the losing party all of its/his/her reasonable costs and attorney fees, either in arbitration (if awarded by the arbitrator as provided above), or by a court before which any matter concerning this order may be heard, both at trial and on appeal.



CITY OF  
**West  
Linn**

## APPENDIX A

Solicitation Number: PRK017B

**Parks Department**  
22500 Salamo Road  
West Linn, Oregon 97068  
Telephone: (503) 557-4700  
Fax: (503) 656-4106

24. Neutral Interpretation. This order constitutes the product of negotiations between the parties hereto. Any enforcement hereof will be interpreted in a neutral manner and not more strongly for or against any party based upon the source of draftsmanship.
25. Severability. Nothing contained herein shall be construed to require the commission of any act contrary to law, and wherever there is any conflict between the provisions contained herein and any present or future statute, law, ordinance or regulation contrary to which to the parties have no legal right to contract, the latter shall prevail. The provision of this Agreement, which is affected, shall be curtailed and limited only to the extent necessary to bring it within the requirement of the law.
26. Calculation of Time. All periods of time referred to herein shall include Saturdays, Sundays, and legal holidays in the State of Oregon, except that if the last day of any period falls on any Saturday, Sunday or such holiday, then that period shall be extended to include the next day which is not a Saturday, Sunday or holiday.
27. Notice. Any notice required or permitted to be given by either party to the other shall be deemed to have been given when sent via telecopy, overnight air courier, or deposited in the United States mail certified, return receipt requested, with first class postage prepaid, addressed as indicated on the front of this order, or addressed to either party at such other address as such party shall hereafter furnish to the other party in writing. Notice shall also be considered effective upon delivery if personally delivered.
28. Conditions of Supplying a Public Agency. Where applicable, Contractor must make payment promptly as due to persons supplying Contractor labor or materials for the execution of the work provided by this order. Contractor must pay all contributions or amounts due from Contractor to the Industrial Accident Fund incurred in the performance of this order. Contractor shall not permit any lien or claim to be filed or prosecuted against City or any subdivision of City on account of any labor or material to be furnished. Contractor further agrees to pay to the Department of Revenue all sums withheld from employees pursuant to ORS 316.167.
29. Payment of Claims by Public Officers. In the event that Contractor fails, neglects or refuses to make prompt payment of any claim for labor or services furnished to Contractor or a subcontractor of Contractor by any person in connection with the performance of this order when such claim becomes due, then the proper officer or officers representing the City hereunder may pay such claim to the person furnishing the labor or services and charge the amount of the payment against the funds due or to become due to the Contractor by reason of this order. The payment of a claim in the manner authorized by this provision shall not relieve the Contractor or any of the Contractor's surety from obligations with respect to any unpaid claims.
30. Health Care Benefits for Contractor's Employees. If this order involves public service, then Contractor must provide health care benefits to all employees who are performing services previously performed by public employees performing similar duties under this order.
31. Hours of Labor. If labor is performed under this order, then no person shall be employed for more than 8 hours in any one day, or 40 hours in any one week, except in cases of necessity, or emergency or where the public policy absolutely requires it, and in such cases, except cases of contracts for personal services as defined in ORS 279A.055, the labor shall be paid at least time and a half for all overtime in excess of 8 hours a day and for all work performed on Saturday and on any legal holidays as specified in ORS 279B.020. In cases of contracts for personal services as defined in ORS 279A.055, any labor shall be paid at least time and a half for all hours worked in excess of 40 hours in any one week, except for those individuals excluded under ORS 653.010 to 653.260 or under 29 USC SS 201-209.
32. Medical Care and Workers' Compensation. Contractor shall promptly, as due, make payment to any person, co-partnership, association or corporation, furnishing medical, surgical and hospital care or other needed care and attention incident to sickness or injury, to the employees of such Contractor, of all sums which the Contractor agrees to pay for such services and all moneys and sums which the Contractor collected or deducted from the wages of the employees pursuant to any law, contractor agreement for the purpose of providing or paying for such service.



CITY OF  
**West  
Linn**

## **APPENDIX A**

Solicitation Number: PRK017B

**Parks Department**  
22500 Salamo Road  
West Linn, Oregon 97068  
Telephone: (503) 557-4700  
Fax: (503) 656-4106

# **Appendix A**

# **FORMS**

**ALUMINUM BOARDING DOCKS - FABRICATE & DELIVER  
AT CEDAR OAK BOAT RAMP, WILLAMETTE RIVER MILE 23.2  
FOR THE CITY OF WEST LINN**

**CONTRACTOR'S BID FORM - Page 1 of 1**

Item #	Item Description	Qty	Unit	Unit Price	Ext. Price	Inclusions	Comments
-	Aluminum Docks						Eleven (11) docks required
1	Aluminum Fabrication	11	EA			Labor	All Req'd Per Standard Aluminum Dock - See Note 1
2	Aluminum Materials	11	EA			Materials	All Req'd Per Standard Aluminum Dock - See Note 1
3	Welding wire & misc. incidentals	11	EA			Materials	All Req'd Per Standard Aluminum Dock - See Note 1
4	UHMW-PE Grounding Rails	11	EA			Materials & Labor	All Req'd Per Standard Aluminum Dock Including Fasteners
5	Composite Wales	11	EA			Materials & Labor	All Req'd Per Standard Aluminum Dock Including Fasteners
6	Rubstrips	11	EA			Materials & Labor	All Req'd Per Standard Aluminum Dock Including Fasteners
7	Concrete Ballast	11	EA			Materials & Labor	All Req'd Per Standard Aluminum Dock Including Fasteners
8	Foam Floatation	8	EA			Materials & Labor	All Req'd Per Standard Aluminum Dock Including Fasteners
9	Miscellaneous Items	11	EA			Materials & Labor	All Req'd Per Standard Aluminum Dock - See Note 2
10	Transition Plate	1	EA			Materials & Labor	All Req'd for One (1) Standard Aluminum Dock Including Fasteners
11	Internal Pile Hoop Assembly	6	EA			Materials & Labor	All Req'd Including Stiffeners - 4 Places
12	Sign Post	1	EA			Materials & Labor	All Req'd - 1 Place
13	Sandblasting	11	EA			Materials & Labor	All Req'd Per Standard Aluminum Dock
14	Pultruded Fiberglass Decking	11	EA			Materials & Labor	All Req'd Per Standard Aluminum Dock Including Fasteners
15	Inspections	1	LS			Materials & Labor	Lump Sum All Docks
16	Delivery & Offloading	1	LS			Materials & Labor	Lump Sum All Docks
				<b>TOTAL</b>			

**Note 1:** Items 1-3 include the following aluminum components

Externally: shell, shell end panels, grounding rail supports, zinc anode brackets, wales, bullrails, hinge barrel assemblies & filler plates

Internally: bulkheads, bottom stiffeners, bullrail gussets, end stiffeners, top covers, top cover spacers, deck supports

Included: any and all customizations required.

**Note 2:** Item 9 includes all nuts, bolts and washers, UHMW-PE hinge sleeves and spacers, hinge pins, zincs

**Note 3:** All items include contractor's profit and overhead and bonding and insurance



CITY OF  
**West  
Linn**

# BID BOND

Solicitation Number: PRK017B

**Parks Department**  
22500 Salamo Road  
West Linn, Oregon 97068  
Telephone: (503) 557-4700  
Fax: (503) 656-4106

KNOW ALL PERSONS BY THESE PRESENTS:

That we, \_\_\_\_\_, as "Principal,"  
(Name of Principal)

and \_\_\_\_\_, an \_\_\_\_\_ Corporation,  
(Name of Surety)

authorized to transact Surety business in Oregon, as "Surety," hereby jointly and severally bind ourselves, our respective heirs, executors, administrators, successors and assigns to pay unto the City of West Linn ("Obligee") the sum of (\$ \_\_\_\_\_) \_\_\_\_\_ dollars.

WHEREAS, the condition of the obligation of this bond is that Principal has submitted its proposal or bid to an agency of the Obligee in response to Obligees procurement document for the project identified in the Solicitation Number indicated above which proposal or bid is made a part of this bond by reference, and Principal is required to furnish bid security in an amount equal to ten (10%) percent of the total amount of the bid pursuant to the procurement document and ORS 279C.365(4) for competitive bidding or 279C.400(5) for competitive proposals.

NOW, THEREFORE, if the proposal or bid submitted by Principal is accepted, and if a contract pursuant to the proposal or bid is awarded to Principal, and if Principal enters into and executes such contract within the time specified in the procurement document and executes and delivers to Obligee its good and sufficient performance and payment bonds required by Obligee, as well as any required proof of insurance, within the time fixed by Obligee, then this obligation shall be void; otherwise, it shall remain in full force and effect.

IN WITNESS WHEREOF, we have caused this instrument to be executed and sealed by our duly authorized legal representatives this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

**PRINCIPAL:** \_\_\_\_\_

**SURETY:** \_\_\_\_\_

By \_\_\_\_\_  
Signature

BY ATTORNEY-IN-FACT:

\_\_\_\_\_  
Official Capacity

\_\_\_\_\_  
Name

Attest: \_\_\_\_\_  
Corporation Secretary

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Address

\_\_\_\_\_  
City State Zip

\_\_\_\_\_  
Phone Fax





CITY OF  
**West  
Linn**

## FORMS

Solicitation Number: PRK017B

**Parks Department**  
22500 Salamo Road  
West Linn, Oregon 97068  
Telephone: (503) 557-4700  
Fax: (503) 656-4106

### THREE YEAR EXPERIENCE RECORD

Recent projects first

#### #1 (Project Name, Location, Contract Cost)

Project description: \_\_\_\_\_

Project completion date: (contract) \_\_\_\_\_

(actual) \_\_\_\_\_

Contact name: \_\_\_\_\_

Telephone: \_\_\_\_\_

#### #2 (Project Name, Location, Contract Cost)

Project description: \_\_\_\_\_

Project completion date: (contract) \_\_\_\_\_

(actual) \_\_\_\_\_

Contact name: \_\_\_\_\_

Telephone: \_\_\_\_\_

#### #3 (Project Name, Location, Contract Cost)

Project description: \_\_\_\_\_







CITY OF  
**West  
Linn**

**PERFORMANCE BOND**

Solicitation Number: PRK017B

**Parks Department**  
22500 Salamo Road  
West Linn, Oregon 97068  
Telephone: (503) 557-4700  
Fax: (503) 656-4106

**KNOW ALL MEN BY THESE PRESENTS**, that we, \_\_\_\_\_  
(Official Name & Form of Organization)

Whose address is: \_\_\_\_\_  
(Street Address) (City) (State) (Zip)

as Principal, and, \_\_\_\_\_  
(Name of Surety) (Print - Agent / Contact Name) (Phone Number)

\_\_\_\_\_ (Street Address of Surety) (City) (State) (Zip)

a corporation duly authorized to conduct a general surety business in the State of Oregon, as Surety, are jointly and severally held and bound unto the City of West Linn, Oregon, a municipality of the State of Oregon, hereinafter called Obligee, in the sum of \_\_\_\_\_ and \_\_\_\_/100 DOLLARS (\$ \_\_\_\_\_), (The Contract Price, Both in Words & Figures) lawful money of the United State of America, for the payment of which we, as Principal, and as Surety, jointly and severally bind ourselves, our successors and assigns firmly by these presents,

**TERMS AND CONDITIONS**

On the \_\_\_\_\_ (Day) of \_\_\_\_\_ (Month), \_\_\_\_\_ (Year), \_\_\_\_\_  
(Name of Contractor)

Principal, entered into a contract with the City of West Linn, Oregon, Obligee, to construct certain public improvements and to provide material, labor and equipment for the construction of those improvements. The public improvements and work to be performed by Principal are more fully described in the contract documents between Principal and Obligee. Those contract documents are incorporated herein by reference.

In the event that Principal fails to complete the work as required under the contract, Surety shall either complete the work or pay Obligee the costs of completion of the work. Work is only complete when it meets the standards required by the Contract and applicable City standards. Surety's obligation shall remain in effect until the work is accepted by Obligee, but shall terminate on acceptance by Obligee. The total amount of the Surety's liability to Obligee under this bond shall in no event exceed the amount stated above.

Surety agrees that no change, extension of time, alternation, or addition to the terms of the contract, or to the work to be performed thereunder or the specifications accompanying the same shall in anywise affect its obligations on this bond, and it does hereby waive notice of any such change, extension of time, alteration, or addition to the terms of the contract or to the work or the specifications.

**IN WITNESS WHEREOF**, the parties hereto have caused this Bond to be executed in \_\_\_\_\_, Oregon, this \_\_\_\_ (Day) of \_\_\_\_\_ (Month), \_\_\_\_\_ (Year).

\_\_\_\_\_  
Contractor

Witnesses: \_\_\_\_\_  
Principal Signature

\_\_\_\_\_  
Principal Printed Name

\_\_\_\_\_  
Surety

(A true copy of the Power of Attorney must be attached to the original of this bond)

Countersigned: \_\_\_\_\_  
Surety Attorney of Fact

\_\_\_\_\_  
Resident Agent



CITY OF  
**West  
Linn**

# PAYMENT BOND

Solicitation Number: PRK017B

**Parks Department**  
22500 Salamo Road  
West Linn, Oregon 97068  
Telephone: (503) 557-4700  
Fax: (503) 656-4106

**KNOW ALL MEN BY THESE PRESENTS**, that we, \_\_\_\_\_  
(Official Name & Form of Organization)

Whose address is: \_\_\_\_\_  
(Street Address) (City) (State) (Zip)

as Principal, and, \_\_\_\_\_  
(Name of Surety) (Print - Agent / Contact Name) (Phone Number)

\_\_\_\_\_ (Street Address of Surety) (City) (State) (Zip)

a corporation duly authorized to conduct a general surety business in the State of Oregon, as Surety, are jointly and severally held and bound unto the City of West Linn, Oregon, a municipality of the State of Oregon, hereinafter called Obligee, in the sum of \_\_\_\_\_ and \_\_\_\_/100 DOLLARS (\$ \_\_\_\_\_), (The Contract Price, Both in Words & Figures) lawful money of the United State of America, for the payment of which we, as Principal, and as Surety, jointly and severally bind ourselves, our successors and assigns firmly by these presents,

### TERMS AND CONDITIONS

On the \_\_\_\_\_ (Day) of \_\_\_\_\_ (Month), \_\_\_\_\_ (Year), \_\_\_\_\_  
(Name of Contractor)

Principal, entered into a contract with the City of West Linn, Oregon, Obligee, for the construction of certain public improvements. As part of the contract, Principal is required to furnish materials, labor, and equipment to construct the improvements. The contract documents between Principal and Obligee are incorporated herein by this reference.

In the event that Principal fails to make payments when due to suppliers of labor, equipment or materials, Surety shall pay the suppliers the amounts they are due. In the event that Obligee pays any amounts to suppliers that Principal was required to pay, Surety shall reimburse Obligee for those payments. In the event that Principal permits any lien or claim to be filed or prosecution against the City on account of any labor or material furnished, Surety shall take such steps as are necessary to clear the lien, claim or prosecution. In the event that Principal fails to (1) promptly pay all contributions or amounts due the State Unemployment Compensation Trust Fund incurred to the performance of the contract, (2) promptly, as due, make payments to the person, co-partnership, association, or corporation entitled thereto of the money and sums mentioned in Section 279C.600 of the Oregon Revised Statutes, or (3) promptly pay to the Oregon State Tax Commission all sums required to be deducted and retained from wages of employees of the Principal and his sub-Contractors, pursuant to the Section 316.711, Oregon Revised Statutes, Surety shall make the required payments. Surety's obligations under this bond shall terminate when all payments required of Principal described in this paragraph are made in full.

The total amount of the Surety's liability under this bond both to the Obligee and to the persons furnishing labor or materials, provisions and goods to any person or persons, shall in no event exceed the amount stated above.

Surety agrees that no change, extension of time, alternation, or addition to the terms of the contract, or to the work to be performed there under or the specifications accompanying the same shall in anywise affect its obligations on this bond, and it does hereby waive notice of any such change, extension of time, alteration, or addition to the terms of the contract or to the work or the specifications.

**IN WITNESS WHEREOF**, the parties hereto have caused this Bond to be executed in \_\_\_\_\_, Oregon, this \_\_\_\_ (Day) of \_\_\_\_\_ (Month), \_\_\_\_\_ (Year).

\_\_\_\_\_  
Contractor

Witnesses:

\_\_\_\_\_  
Principal Signature

\_\_\_\_\_  
Principal Printed Name

\_\_\_\_\_  
Surety

(A true copy of the Power of Attorney must be attached to the original of this bond)

Countersigned: \_\_\_\_\_

\_\_\_\_\_  
Surety Attorney of Fact

Resident Agent





CITY OF  
**West  
Linn**

## **TECHNICAL PROVISIONS**

Solicitation Number: PRK017B

**Parks Department**  
22500 Salamo Road  
West Linn, Oregon 97068  
Telephone: (503) 557-4700  
Fax: (503) 656-4106

## **Appendix B**

# **TECHNICAL PROVISIONS**

**SPECIFICATIONS**  
**FOR**  
**ALUMINUM BOARDING DOCKS – FABRICATE & DELIVER**  
**AT THE**  
**CEDAR OAK BOAT RAMP, WILLAMETTE RIVER MILE 23.2**  
**FOR THE**  
**CITY OF WEST LINN**



EXPIRES: 6 - 30 - 2016

Approved By:  
Jeffery W. Smith, P.E.  
Oregon State Marine Board  
Boating Facilities Engineer



Prepared By:  
OSMB  
January 20, 2016

ALUMINUM BOARDING DOCKS – FABRICATE & DELIVER  
CEDAR OAK BOAT RAMP, WILLAMETTE RIVER MILE 23.2  
FOR THE  
CITY OF WEST LINN

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01010	SUMMARY OF WORK .....	2
05150	ALUMINUM BOARDING DOCKS .....	18

## SECTION 01010 - SUMMARY OF WORK

### PART 1 - GENERAL

#### 1.1 DESCRIPTION OF WORK

- A. Location of project for delivery is the Cedar Oak Boat Ramp, Willamette River – River Mile 23.2, West Linn, OR.
- B. Major project components are as follows:
- Aluminum boarding docks manufacture and delivery
- C. Project is for the City of West Linn, referred to hereafter as Owner.
- D. The Owner's Representative is:
- |                             |                                       |
|-----------------------------|---------------------------------------|
| Ken Worcester               | Phone: 503-557-4700                   |
| Parks & Recreation Director | email: Kworchester@westlinnoregon.gov |
| City of West Linn           |                                       |
| 22500 Salamo Road, Box 1100 |                                       |
| West Linn, OR 97068         |                                       |
- E. The Engineer of Record is:
- |                             |                               |
|-----------------------------|-------------------------------|
| Jeffery W. Smith, P.E.      | Phone: 503.378.2607           |
| Boating Facilities Engineer | email: jeff.smith@state.or.us |
| Oregon State Marine Board   | 435 Commercial Street NE      |
| P.O. Box 14145              | Salem, OR                     |
| Salem, OR 97309-5065        |                               |
- F. This project is bid out as a **LUMP SUM CONTRACT** and the Contractor shall furnish all labor, equipment, and materials necessary to complete work in accordance with the drawings, specifications, and terms of the contract.
- G. Value Engineering, whereby the Contractor suggests alternate design and/or materials for a reduced cost and share in the savings, is **NOT** a component of this project contract.

## 1.2 DRAWINGS

A. The following twenty [20] drawings hereby form a part of this contract:

1. 0313 – 1496 – 01 Title Sheet
2. 0313 – 1496 – 02 Boarding Dock Layout Plan
3. 0313 – 1496 – 03 Aluminum Boarding Dock Views (Type “A” Dock)
4. 0313 – 1496 – 04 Aluminum Boarding Dock Views (Type “C” Dock)
5. 0313 – 1496 – 05 Aluminum Boarding Dock Sections
6. 0313 – 1496 - 06 Shell Details (Type “A” Dock)
7. 0313 – 1496 – 07 Shell Details (Type “C” Dock)
8. 0313 – 1496 – 08 Structural Layout (Type “A” Dock)
9. 0313 – 1496 – 09 Structural Layout (Type “C” Dock)
10. 0313 – 1496 – 10 Structural Details (Type “A” & “C” Dock)
11. 0313 – 1496 – 11 Structural Details (Type “C” Dock Only)
12. 0313 – 1496 – 12 Hinge Barrel Assembly Details
13. 0313 – 1496 – 13 Foam, Concrete, & Wale Details
14. 0313 – 1496 – 14 Topside Layout (Type “A” Dock)
15. 0313 – 1496 – 15 Topside Layout (Type “C” Dock)
16. 0313 – 1496 – 16 Pile Pocket Details (Type “C” Dock)
17. 0313 – 1496 – 17 Last Dock Details
18. 0313 – 1496 – 18 Modified Bullrails Last Dock Only (Type “C” Dock)
19. 0313 – 1496 – 19 Transition Plate Details
20. 0313 – 1496 – 20 Fiberglass Deck Panel Details

END OF SECTION 01010

## SECTION 05150- ALUMINUM BOARDING DOCKS

### PART 1 - GENERAL

#### 1.1 DESCRIPTION OF WORK

- A. The work under this item shall consist of all labor, materials, tools and equipment necessary to fabricate, assemble and furnish aluminum boarding docks, transition plates, pile pockets, and all other miscellaneous dock items as shown on the drawings.
- B. Work also includes the delivery and off-loading of the dock system at the site of installation. Work does not include the installation of the dock system. Each completed 6'x20' dock has a theoretical dry weight of approximately 3,800 lbs.
- C. The manufacture of the complete dock system shall be performed by experienced personnel meeting the qualifications listed in this specification.
  - 1. Dock manufacturer must be experienced and regularly engaged in the manufacture of aluminum structures with a minimum of five (5) years consecutive experience.
  - 2. Welders shall be currently certified in accordance with the latest AWS structural welding codes (AWS D1.1 for Steel and AWS D1.2 for Aluminum) and have been regularly engaged in welding for a period of at least three (3) continuous months.

#### 1.2 DOCK CONFIGURATIONS

- A. Individual docks are 6'x20' (nominal) and designated as either Type "A" or Type "C". Type "A" is continuous where Type "C" has an integrated pile pocket to accommodate an 18-inch o.d. pipe pile. This project uses a combination of Type "A" and Type "C" docks. Quantities of each dock type and the installed dock layout are shown on the drawings.
- B. The off-shore end of the last dock will require modifications. This will be a Type "C" dock.
- C. The shore end of the first dock will have a transition plate which will require modifications. This will be a Type "C" dock.

#### 1.3 REFERENCES

- A. AWS D1.1 -Structural Welding Code, Steel, American Welding Society
- B. AWS D1.2 - Structural Welding Code, Aluminum, American Welding Society
- C. ASTM Standards- American Society of Testing and Materials
- D. International Building Code (2009 Edition), International Code Council
- E. Specification for Aluminum Structures, Aluminum Association
- F. Specification for the Design, Fabrication and Erection of Structural Steel for Buildings – American Institute of Steel Construction

#### 1.4 RELATED DOCUMENTS

- A. The provisions and intent of the Contract, including the General Conditions, Supplementary Conditions and General Requirements apply to this work as if specified in this section.

#### 1.5 SUBMITTALS

- A. Experience: Within seven (7) days after the issuance of the Notice of Intent to Award, the Dock Manufacturer shall submit written documentation to show that the Dock Manufacturer has been regularly engaged in the manufacture of aluminum structures for a minimum of five (5) years.

- B. Shop Drawings: Within twenty (20) days after issuance of the Notice to Proceed, complete dock shop drawings shall be submitted by the dock manufacturer for review and acceptance. The engineer will provide electronic copies of the construction drawings, after the Notice to Proceed, to assist in the creation of shop drawings. The shop drawings shall include all necessary layout plans, elevations, cross-sections, fabrication details, dimensions, materials, hardware, and finishes of all manufactured dock components to fully describe the work. Fabrication of the docks shall not begin until the shop drawings have been reviewed and returned as accepted.

1. One (1) set of shop drawings shall be submitted electronically for review. One set of shop drawings will be returned after review and comments.
2. Review and acceptance of shop drawings shall be for general conformance only. It shall remain the responsibility of the Contractor and manufacturer to comply with all Contract requirements.

- C. Product Data: Submit manufacturer's data sheets or catalog cuts of all materials and products to be fabricated and installed under this section for approval prior to ordering.

1. Chosen Decking material option (i.e. composite lumber, aluminum plank, or pultruded fiberglass grating) and associated fasteners
2. Rubstrips
3. UHMW Polyethylene
4. Expanded polystyrene foam
5. Concrete mix design
6. Barrier coating material for concrete/aluminum isolation
7. Zinc Anodes
8. Bullrail ends (if used)
9. Perforated sheet for drainage holes
10. All fastening hardware (nuts, bolts, screws, washers)

- D. Test Reports and Certificates of Compliance: Submit test reports and mill certificates for all structural materials for approval prior to ordering. Test reports and certificates shall substantiate the required mechanical properties of all structural materials incorporated into the work.
1. Structural Aluminum
  2. Stainless Steel
  3. Fasteners
- E. Welding Procedures and Welder Qualifications: Submit weld procedure specifications (WPS) and procedure qualification records (PQR) for all structural welds and welders qualification test records or certificates for all persons anticipated to perform structural welding in conformance with AWS D1.2. All qualification documentation shall be submitted for review and approval prior to the beginning of any work on the docks.
- F. Manufacturer's Instructions: Submit all manufacturer's suggested handling, shipping and installation procedures and maintenance recommendations prior to the shipment and installation of the dock system.
- G. Inspections: The Owner, Engineer of Record, or their representative(s) reserves the right to inspect the construction at any time throughout the manufacturing process. Submit and keep updated the manufacturing schedule for all dock components so that inspection visits can be arranged at appropriate times.

#### 1.6 MANUFACTURER'S RESPONSIBILITIES

- A. The manufacturer shall be solely responsible for the means, methods, techniques, sequences and procedures used for the fabrication of the docks and related components. The manufacturer shall be responsible for overseeing that the finished work complies accurately with the Contract Drawings, Specifications and the approved Shop Drawings.

Note: A suggested sequence of assembly is shown on the drawings but the actual sequence may vary. Furthermore, a series of 3-D dock renderings is provided at the end of this specification section that illustrates a suggested sequence of assembly.

- B. The manufacturer shall furnish all necessary materials, equipment, labor, supervision, testing, inspections, and incidentals necessary to complete the work identified on the Drawings and Specifications.
- C. Inspections and Quality Control: The manufacturer is responsible for adherence to internal quality control procedures and all independent inspections from a qualified inspection service as listed here. Submit all inspections reports within 48 hours of inspection.
1. Internal welds shall be visually inspected for compliance with the drawings and specifications prior to placing concrete and foam. Any welds found to be deficient shall be repaired to the satisfaction of the independent welding inspector.
  2. Concrete shall be visually inspected prior to placement of foam. Inspector shall verify presence of barrier coating, placement of concrete to top of bottom stiffeners and that no concrete has been placed around pile pockets per the drawings.

3. Foam floatation shall be visually inspected for proper and complete installation per the drawings and specifications.
4. Internal welds of all top covers, spacers and deck supports shall be visually inspected for compliance with the drawings and specifications prior to installing decking. Any welds found to be deficient shall be repaired to the satisfaction of the independent welding inspector.
5. External welds shall be visually inspected for compliance with the drawings and specifications prior to installing wales and rubstrips. Any welds found to be deficient shall be repaired to the satisfaction of the independent welding inspector.
6. All critical dimensions shall be verified (i.e. shell length, width, height and pile pockets,

## PART 2 - PRODUCTS

### 2.1 MATERIALS

A. General: All materials to be incorporated in to the work shall be new and meet acceptable industry standards for condition, appearance and straightness. All exposed edges shall be smooth and free of sharp edges.

B. Aluminum:

1. All structural members, bars and plates shall be ASTM B209, alloy 5086-H116 with the exception of the following components which shall be alloy 6061.
  - (a) Hinge Barrel Assemblies (e.g. barrel filler plates, barrel top plates, barrel gussets, barrel backing plates)
  - (b) Pile Pocket Details (e.g. gate bracket, removable gate, wear pad retainers)
  - (c) Transition Plate
2. Round tube shall be ASTM B221, alloy 6061
3. Bullrail Ends and Corners:
  - (a) Ends and corners may be purchased pre-formed from 6063 aluminum alloy with a wall thickness no less than 0.125" and welded to all straight runs of 6061 round tube. Bullrail ends shall be 2" round tube with a 2" inside radius and no tangents. Bullrail ends shall be R&B Wagner part number 7972 or approved equal. Product is available from Wagner Companies 1-888-243-6914 [www.wagnercompanies.com](http://www.wagnercompanies.com).
  - (b) Alternatively, ends and corners may be formed from bending straight sections of 2" tube to the dimensions and radius shown on the drawings.
4. Standard extruded profiles (where allowed) shall be ASTM B308, alloy 6061

- C. Stainless Steel: All stainless steel shall be type 316 unless otherwise noted on the drawings. All fasteners connecting to aluminum shall be stainless steel. All stainless steel nuts shall either be self-locking "nylock" type or have spring lock washers.
- D. Polyethylene: All polyethylene components shall be virgin or reprocessed, ultra high molecular weight (UHMW) polyethylene and shall be fully or partially cross-linked. All components exposed to sunlight shall be **ultra violet stabilized and black** in color (i.e. pile pocket wear pads, hinge pin spacers and corner blocks). Hinge barrel sleeves and grounding rails do not have to be UV-stabilized and may be white in color.
- E. Foam Floatation: Floatation blocks shall be expanded polystyrene, sizes as shown on the drawings. The foam shall be Type 1 and weigh 1.0+/- pounds per cubic foot in accordance to ASTM C578. Water absorption of foam shall be four percent (4%) or less by volume. Floatation blocks are not required to be shrink wrapped or otherwise encased prior to installation.
- F. Wales: Wales (composite lumber) shall be Choice Deck Foundations deck board or approved equal. Recycled wood-plastic composite lumber used for all wales shall meet the following qualifications:
1. Manufactured from at least 90% recycled-content, wood-plastic composite. Composite shall be 50% recycled plastic +/- 10% and 50% waste wood fiber +/- 10%.
  2. Color shall be a shade of brown. All boards shall be the same color.
  3. Finish shall be non-slip wood grain.
  4. Dimensions shall be 1" actual thickness (no tolerance) and 5½" wide +/- ¼".
  5. Have a solid plank cross sectional area.
  6. Have square (nominal, less than 1/8" radius actual) corners.
- G. Decking: Shall be pultruded fiberglass grate. Fiberglass deck grates shall be ADA compliant manufactured from pultruded polyester resin (SPF), with a product designation of T-1210, 12% open space, 1" bearing bar height, 1½" bearing bar width, with a coarse grit slip-resistant surface, 3/16"- ¼" clear spacing between top of bearing bars, gray in color, with corrosion resistant fasteners. Possible product suppliers include Fibergrate ([www.fibergrate.com](http://www.fibergrate.com)), McNichols ([www.mcnichols.com](http://www.mcnichols.com)) or AMD Grating ([www.amdgrating.com](http://www.amdgrating.com)). Custom fasteners may be required as shown on drawings.
- H. Pile Pocket Wear Pads: Wear pads shall be UHMW-PE (1½" thick) meeting the same requirements as polyethylene per Section 2.1 D.
- I. Grounding Rails: Grounding rails shall be UHMW-PE (1" thick) meeting the same requirements as polyethylene per Section 2.1 D.
- J. Composite Lumber Screws: Composite lumber wales and UHMW-PE grounding rails shall use fasteners designed specifically for attachment of composite lumber to aluminum framing. Fasteners shall be DeckFast Metal Deck Screws (epoxy coated 410 stainless steel, 10x1-5/8", T-20 star recess, color to match lumber), or approved equal, available from Starborn Industries, 45 Mayfield Avenue, Edison NJ 08837, (732) 381-9830, [www.starbornindustries.com](http://www.starbornindustries.com).

- K. Concrete Ballast: Concrete may be supplied from a central ready-mix plant regularly engaged in the production of concrete or mixed on-site using commercially available bags of concrete mix. Concrete shall have a minimum compressive strength of 3500 psi and a unit weight of 140-145 pcf.
- L. Rubstrips: Rubstrips shall be Medium Dock & Post Bumper, Model DB3.CU, one continuous piece the entire length of the float. Bumpers shall be ordered to lengths required and have factory finished ends. Product is available from Taylor Made Products, <http://www.taylormadeproducts.com>, 1-800-628-5188.
- M. Zinc Anodes: Zinc anodes shall be 3"x6"x $\frac{3}{4}$ " bolt-on type with galvanized steel inserts, model ZHC-3H, or approved equal, available from BoatZincs, 53 Knoll Trail, Acton, MA 01720, (978) 841-9978, [www.boatzincs.com](http://www.boatzincs.com).
- N. Drainage Hole Screening: Drainage holes in the lower flange of all wale supports shall be covered with screening material welded to the inside of the wale support. Screening material shall be 0.063" gauge aluminum sheet with round  $\frac{5}{32}$ " diameter perforated holes on  $\frac{3}{16}$ " staggered centers.

## 2.2 FINISHES

- A. Interior: All interior aluminum surfaces and components of each dock shall be mill finish. Mill stamps shall not be removed, but shall be oriented to be as least noticeable as practical.
- B. Exterior: All exterior aluminum surfaces and components (e.g. bullrails, wale supports) shall be mill finish with the following exceptions. The shell top flange at each end of the dock, hinge barrel assemblies, barrel filler plates and transition plate shall be coarsely sandblasted to provide a non-slip surface where foot traffic is expected.
- C. Barrier Coating: Barrier coating between aluminum and concrete ballast shall be a bituminous paint, CRL bituminous coating or approved equal, available from C.R. Laurence Co. 23000 64<sup>th</sup> Avenue S Kent, WA 98032, (253) 850-5800, [www.crlaurence.com](http://www.crlaurence.com). Alternatively, the barrier coating may be a high performance, chemically cured, rust inhibitive epoxy primer for exterior aluminum surfaces that is compatible with concrete and suitable for wet environments. Product shall be Devran 201H Epoxy Primer or approved equal, available from International Paint ([www.international-pc.com](http://www.international-pc.com)).

## PART 3 - EXECUTION

### 3.1 FABRICATION AND WORKMANSHIP

- A. General:
  1. The manufacture and fabrication of the docks and its related components shall conform to the latest edition of the Aluminum Construction Manual, the AISC Manual of Steel Construction and all other applicable industry standards.
  2. All fabrication shall conform to the Contract Documents, these specifications and the approved shop drawings.
  3. Fabrication details, materials, finishes and colors shall be consistent throughout.

4. All structural members shall be the size, length, wall thickness and alloy as shown in the approved shop drawings.
5. All cut edges shall be clean and true, free of burrs. Flame cutting is not permitted and all holes shall be punched or drilled.
6. Cap all open ends of tubular members as shown in the drawings and grind smooth. Provide ½" diameter weep holes in bottom ends of all closed aluminum tubes as required for venting and drainage.
7. Inside of all docks shall be thoroughly cleaned to remove all metal filings, dust, grease, concrete residue, metal scraps and dirt prior to applying a barrier coating and installing foam blocks.
8. The completed docks and other components shall be supported on timber dunnage or other appropriate means to prevent direct dock-to-ground or dock-to-dock contact and to prevent damage during fabrication, storage, delivery, off-loading and on-site stockpiling.
9. All completed docks shall bear a permanent decal or identification plate listing name of manufacturer, date of manufacture, live load rating (20 psf), a unique identifying serial number and sequence number.

B. Forming:

1. Shell: The bottom, sides and top flanges of each shell section shall be continuous by bending 4' x 10' or 8' x 10' sheets of 3/16" plate cut to length to meet the dimensional requirements as shown on the drawings. All bends shall be 90 degrees with ½" inside radii.
2. Shapes:
  - (a) All channels, angles, and rectangular tubes shall be formed by bending plate or flat bar unless shown otherwise on drawings. All bends shall be 90 degrees with ½" inside radii. Alternatively, shapes may be extruded provided they meet the dimensional and alloy requirements as shown on the drawings and specified.
  - (b) All shapes shall be full length to the maximum extent possible. Wale supports and deck supports may be fabricated from the least number of shorter pieces welded together. Any weld joints in the deck supports shall be centered over a bulkhead flange. Any weld joints in the wale supports shall be offset from the shell joint as shown on the drawings.
3. Round Tube:
  - (a) All round tube shall be extruded. Hinge barrels shall be 6061 alloy.
  - (b) Bullrails shall be continuous (no splices) between the end posts prior to a terminating radiused end or corner at a pile pocket. Use of factory bent elbows is allowed (See 2.1 B.3). Elbows or formed bends shall be fully welded to all straight sections of round tube and to the top flange of the dock shell.

(c) It should be noted that no pipe is used in the dock design.

C. Welding:

1. All welding shall conform to the latest editions of the AWS structural welding codes, including the repair of defective welds.
2. All welding shall be 100% visually inspected by a manufacturer provided, AWS qualified, inspector from an independent testing company. See 1.6 for details.
3. All welding shall be performed in a temperature controlled, shop environment by AWS qualified and approved structural welders using qualified and approved welding procedures and welding equipment.
4. Welding shall be carried out in a systematic sequence planned to minimize distortion and residual stress. Structure shall be fitted without excessive forcing before welding. Welds are to be cleaned and excessive roughness or spatter is to be removed. Temporary welds incident of erection are to be carefully removed and flushed off by chipping or grinding. Finished welds are to present a neat workmanlike appearance.
5. The preferred filler wire for all aluminum welding shall be ER5183. However, ER5356 is an acceptable alternative.
6. Weld spatter and slag shall be removed.
7. Weld continuous all connections unless otherwise shown in the drawings.
8. Any welding, done after the installation of the foam flotation blocks, is to be performed in a manner which does not damage or cause burning of the foam. The Manufacturer is fully responsible for maintaining the integrity of the foam throughout the fabrication process.

D. Decking:

1. All decking shall be non-skid and installed flat and true without intentional changes in slope or tripping hazards and compliant with accessibility standards.
2. All decking shall be installed with stainless steel fasteners made specifically for the type of decking material being installed and for attachment to aluminum structure.
3. Pultruded fiberglass grating shall be installed in as large of panels as practical with the bearing bars oriented perpendicular to the span direction of the dock. The affected ends of any field or shop cutting of fiberglass grate bars shall be sealed with catalyzed resin sealant as recommended by the grating manufacture.

E. Fasteners:

1. All fasteners shall be the size and type shown in the drawings.
2. Washers are required under the heads and nuts of all fasteners unless noted otherwise in the drawings.
3. All fasteners shall be appropriately fully tightened in accordance with applicable industry standards and practices.

4. Any fastener connecting dissimilar metals shall be stainless steel or electrically isolated to prevent corrosion.
  5. Any fastener in a walking surface shall be flush with, or recessed below, the surface or concealed.
  6. All threads to be liberally coated with a marine grade anti-seize compound prior to installing nuts.
- F. Barrier Coating: Apply a continuous coat of bituminous paint or epoxy primer to the inside bottom and sides of shell, bulkheads and bottom stiffeners only to the extent that concrete will come in contact with the aluminum surfaces. Paint may be applied by spray, brush or roller and at a rate per manufacturer's recommendation. Allow paint to dry and cure per manufacturer's recommendation prior to placing concrete ballast.
- G. Concrete Ballast: Place concrete evenly in bottom of shell up to and level with tops of bottom stiffeners. Type "C" docks will not have concrete in spaces around the pile pocket as shown on the drawings. This is to help the dock to float level due to the loss of buoyancy in the pile pocket void. Foam filler blocks shall be installed in place of the concrete in these areas only.
- H. Foam Floatation: Foam floatation blocks shall be placed using the sequence shown on the drawings. The design allows for a  $\frac{1}{8}$ " space between the top of the foam and the underside of the bulkhead flanges and end stiffeners to allow for installation of the  $\frac{1}{8}$ " thick aluminum top covers.
- I. Screened Drainage Holes: Holes in the lower flange of the wale supports are critical for drainage. Each drain hole shall be covered with perforated aluminum sheet per specifications and details shown on the drawings.
- J. Wales and grounding rails: Wales and grounding rails shall be ripped to finish widths and edges either radiused or left square depending on the application as shown on the drawings.
- K. Rubstrips: Install top of rubstrip along both sides of dock flush with top of composite wales using the supplier's recommended "fold-over method" as shown on the drawings. Attach with 2 rows of #8 stainless steel screws, 4-inches on center spacing. Also install a rubstrip across the off-shore end of last dock. Ends of the rubstrip shall be finished by the manufacturer.
- L. Off-Shore End of Last Dock: The off-shore end of the last dock requires modifications. These modifications will apply to a Type "C" dock (reference Dock Layout drawing). In place of the off-shore end hinge barrel assembly, fabricate and install a wale support, wales, rubstrip, bullrail, sign post and corner wear blocks as shown on the drawings. In addition, the last dock requires modified bullrails (both sides) for wheelchair access as shown on the drawings.
- M. Shore End of First Dock: The shore end of the first dock will require modification for a transition plate. This modification will apply to a Type "C" dock (reference Dock Layout drawing). In place of the standard hinge barrel assembly, fabricate and install a transition plate hinge barrel assembly, transition plate and hinge pin as shown on the drawings.
- N. Hinge Barrel Isolators: UHMW-PE bushings, sleeves and spacers shall be fabricated from solid material per details shown on the drawings. Isolators protect against metal-to-metal contact and provide a wear surface between hinge barrels and hinge pins.

### 3.2 DELIVERY

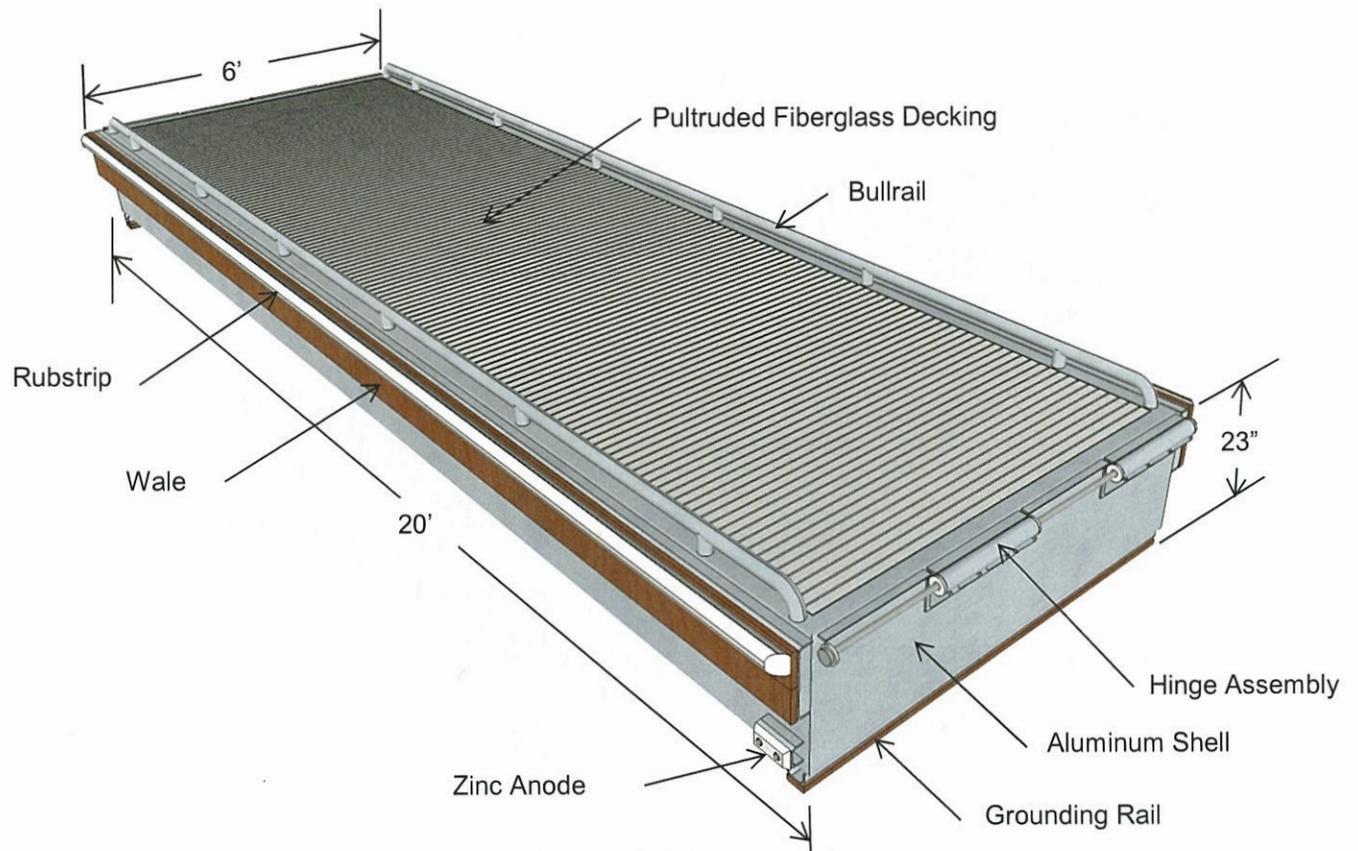
- A. The aluminum boarding docks shall be transported, lifted and stored in accordance with good industry practices, the handling instructions of the manufacturer and as specified herein. Stacking of one dock on another (2 docks total) is permitted with proper and adequate blocking and must not be supported by the bullrails of the lower dock. For Type "A" docks, additional blocking at mid-span of the lower dock's shell bottom must be provided.
- B. Rubstrip material shall be protected from damage, compression or discoloration caused by tie-down straps used during transport. Adequate blocking shall be used to keep tie-down straps from contacting the rubstrips.

### 3.3 WARRANTY

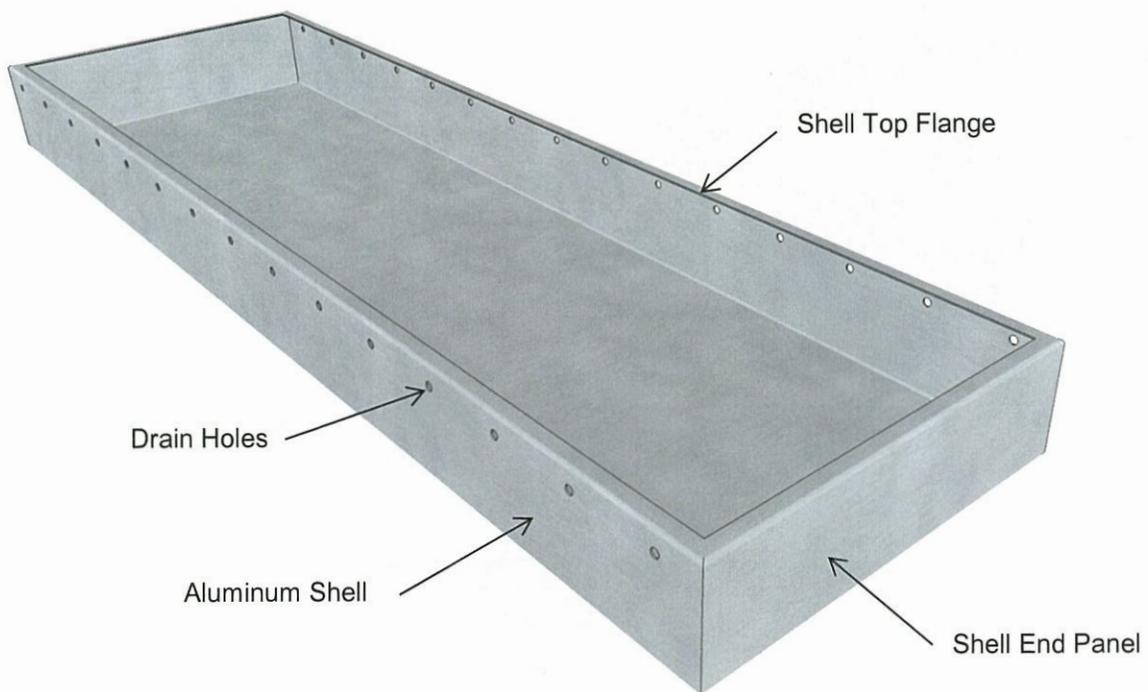
- A. The manufacturer of the aluminum boarding docks and their related components shall provide the Owner with a written warranty that the aluminum boarding docks and any related components shall be free of defects in materials and workmanship for a period of two (2) years, unless the Contract requires a more stringent or longer warranty.
- B. The warranty period shall commence upon delivery and acceptance of the docks and all related components by the Owner.

### 3.4 SUPPLEMENTAL DRAWINGS

- A. The following 3-D Dock renderings are provided solely for the purpose of visualizing (1) a suggested sequence of dock assembly and (2) general position of dock components within the dock structure. These renderings are not intended for use as construction or shop drawings.



01 - DOCK OVERVIEW

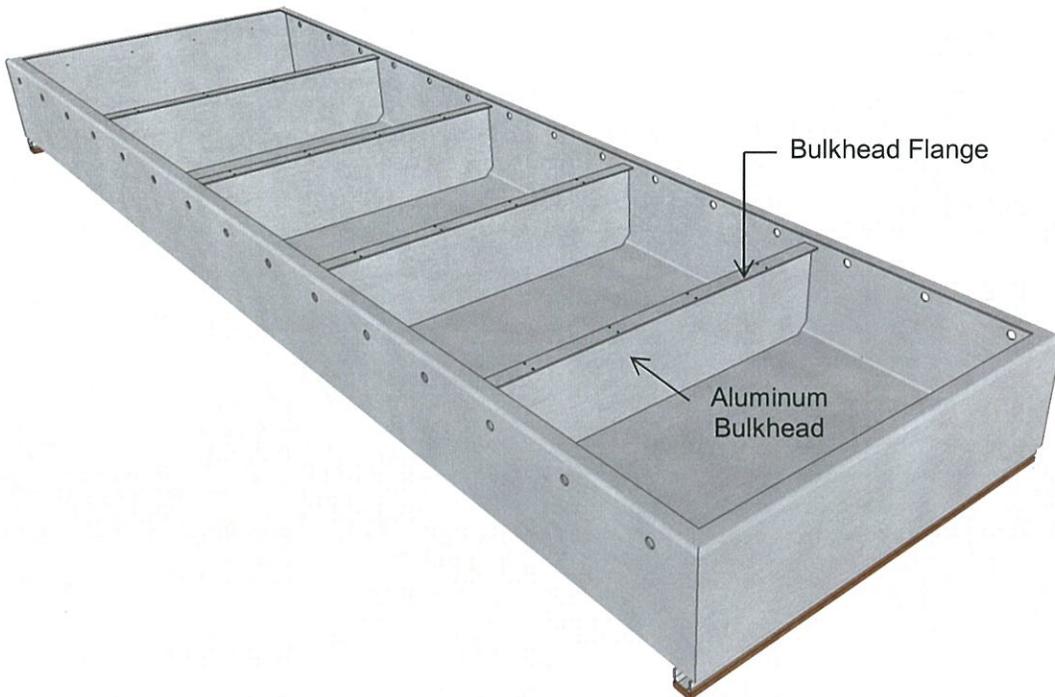


02 - SHELL ONLY

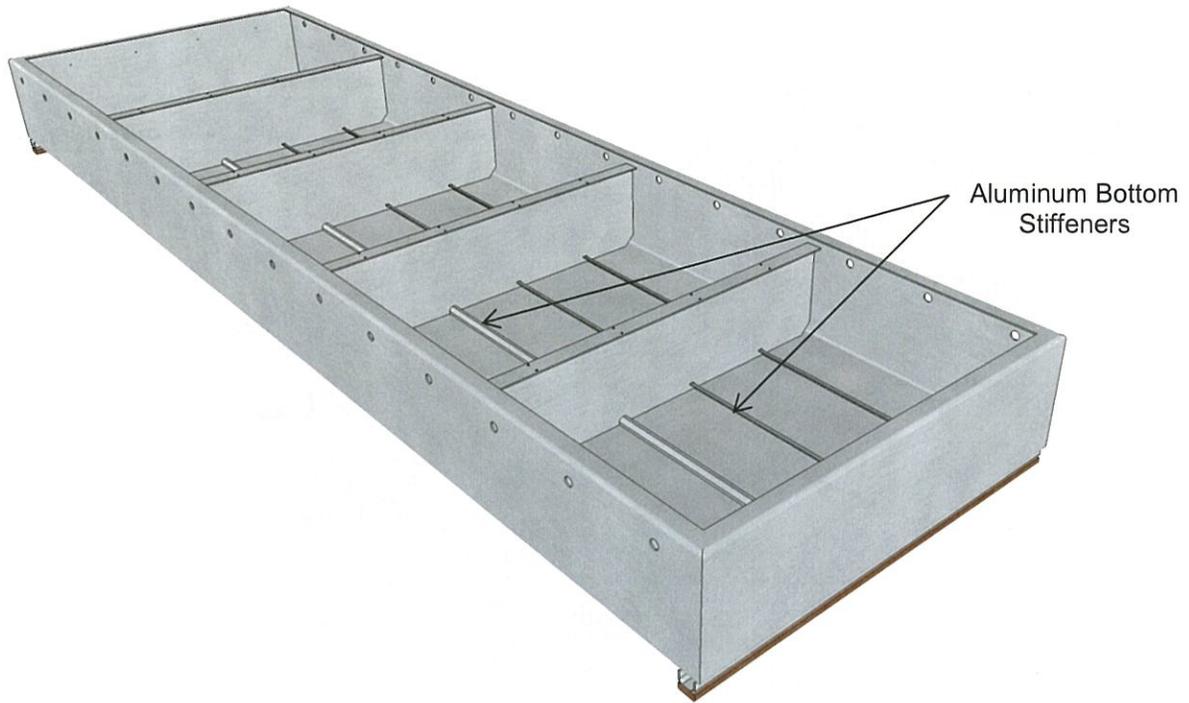


Aluminum Grounding Rail  
Supports and Grounding Rails

### 03 - ADD GROUNDING SUPPORTS & GROUNDING RAILS

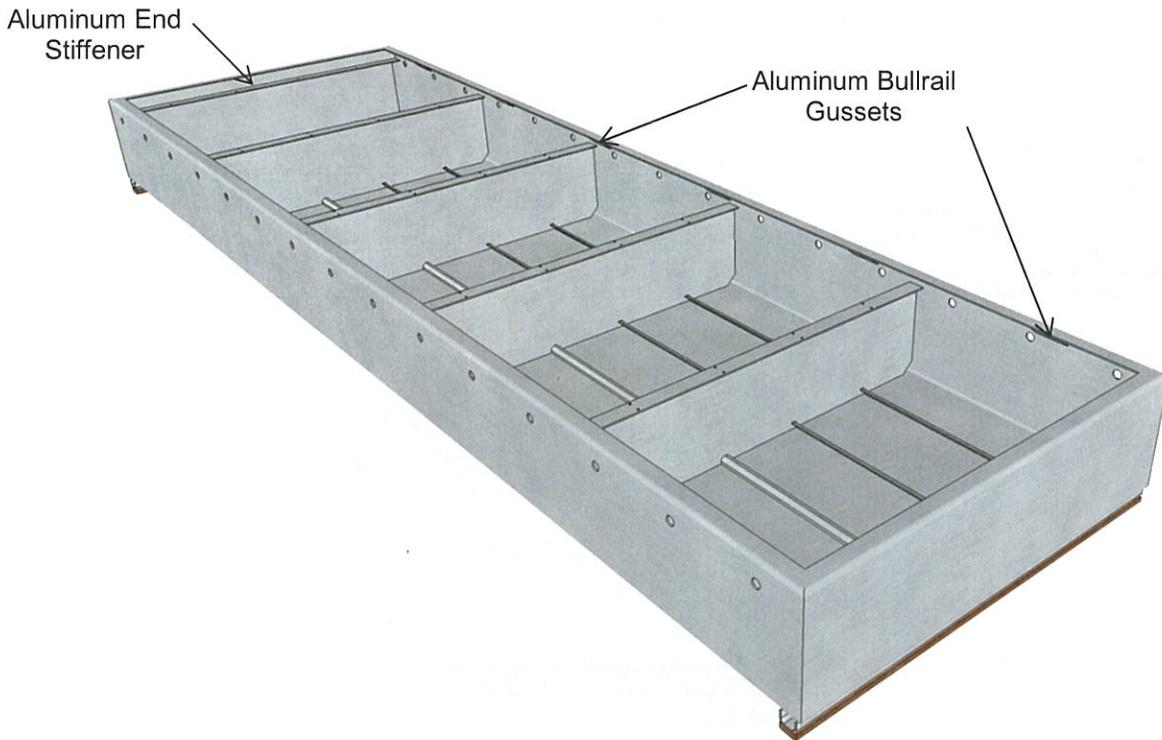


### 04 - ADD BULKHEADS



Aluminum Bottom  
Stiffeners

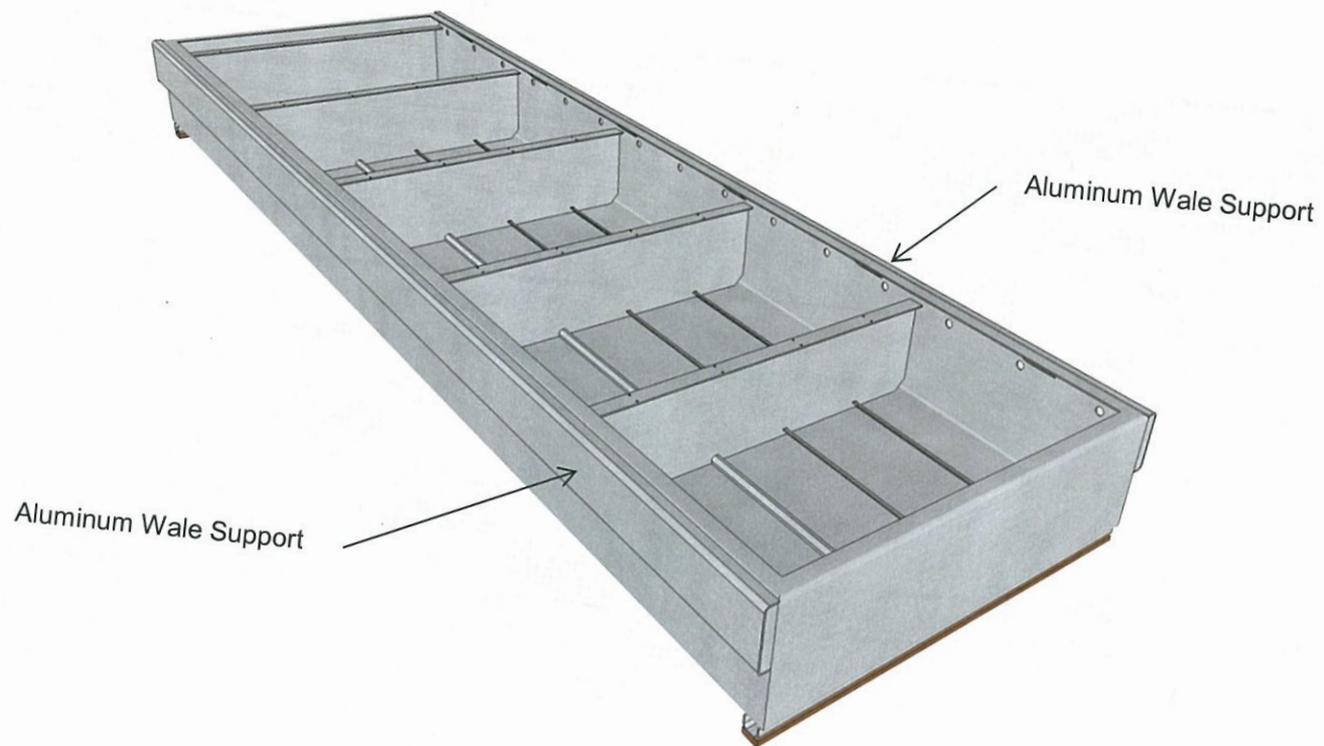
### 05 - ADD BOTTOM STIFFENERS



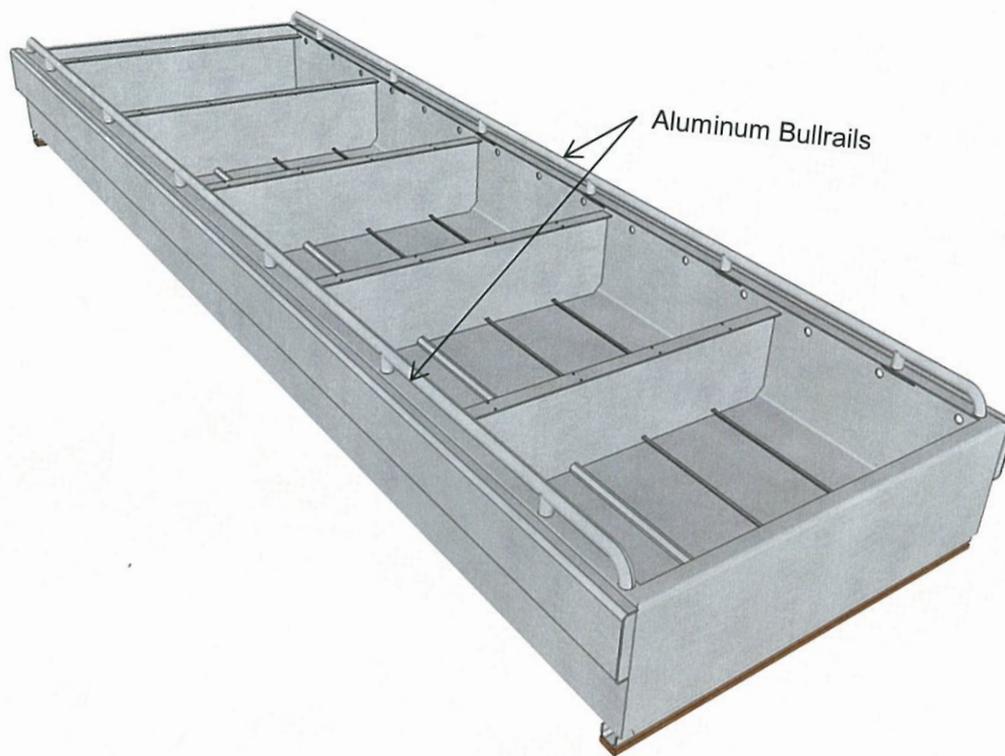
Aluminum End  
Stiffener

Aluminum Bullrail  
Gussets

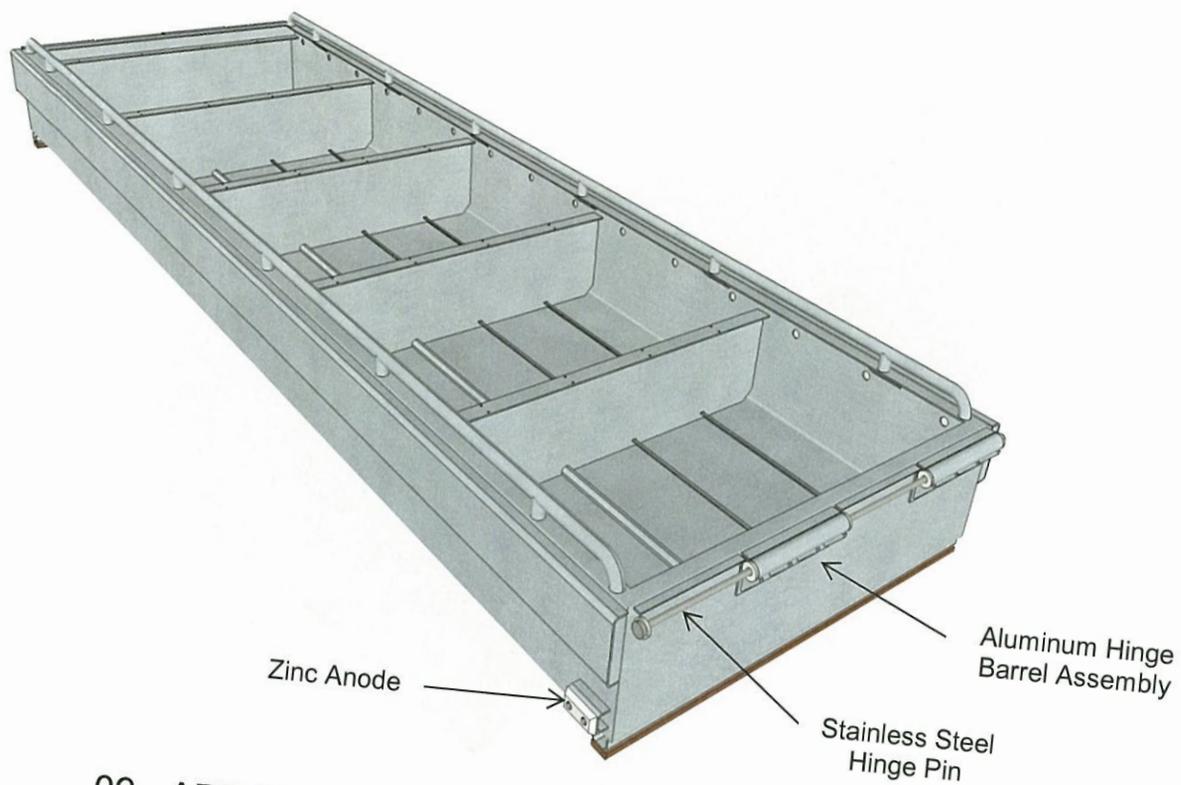
### 06 - ADD END STIFFENERS & BULLRAIL GUSSETS



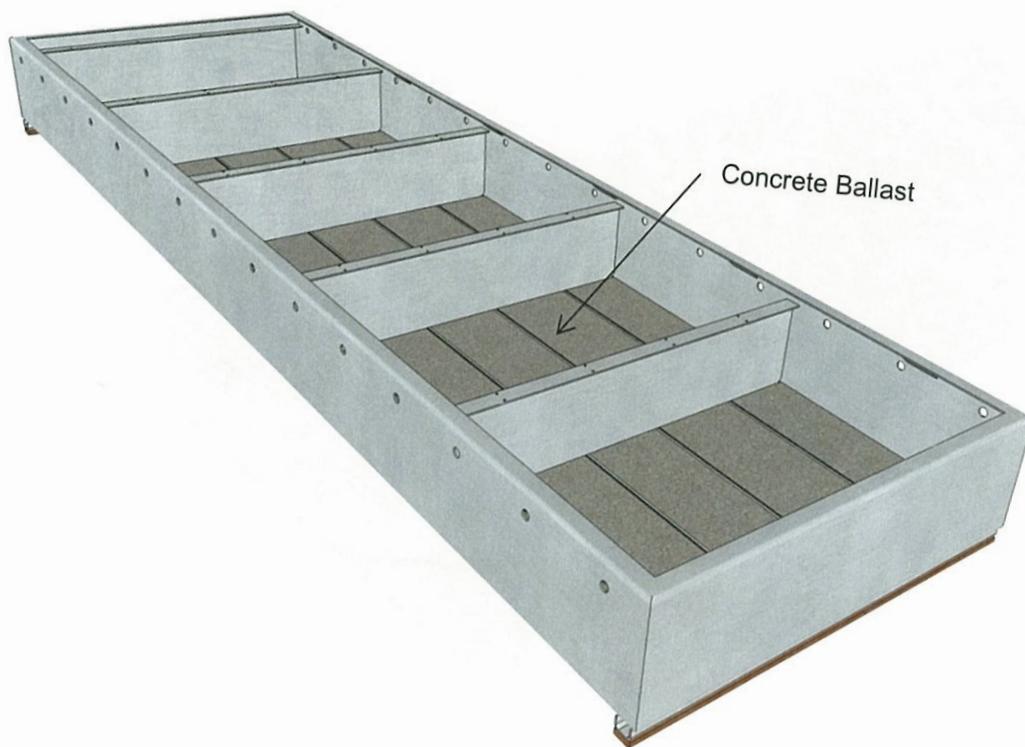
07 - ADD WALE SUPPORTS



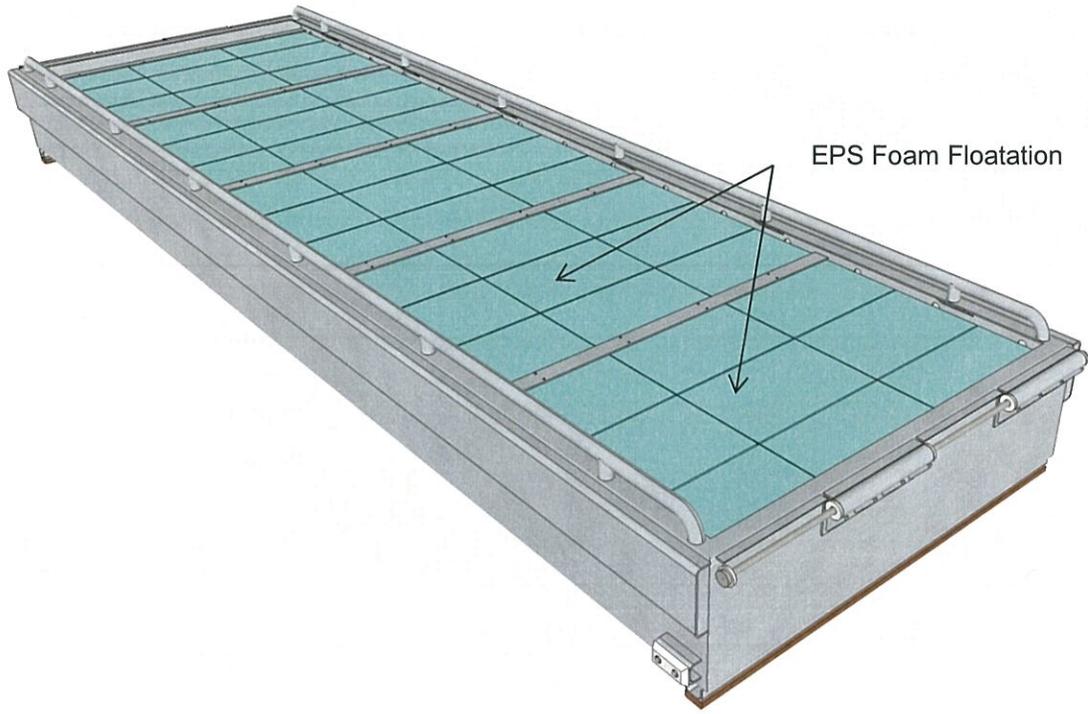
08 - ADD BULLRAILS



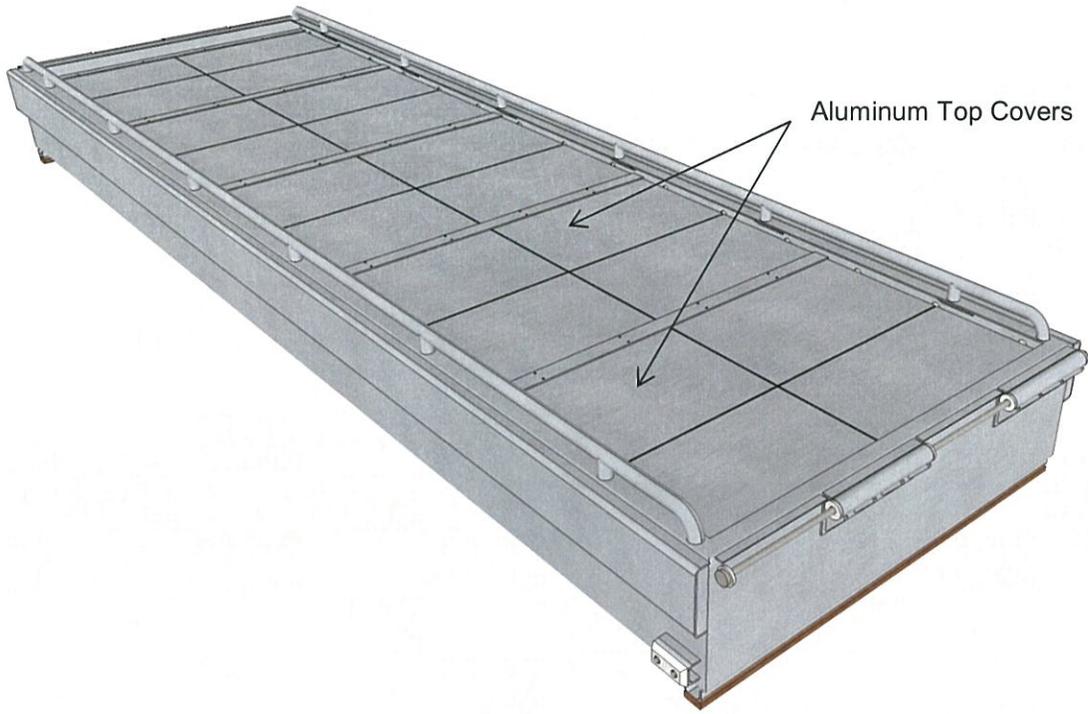
09 - ADD HINGE BARREL ASSEMBLIES & ZINC ANODES



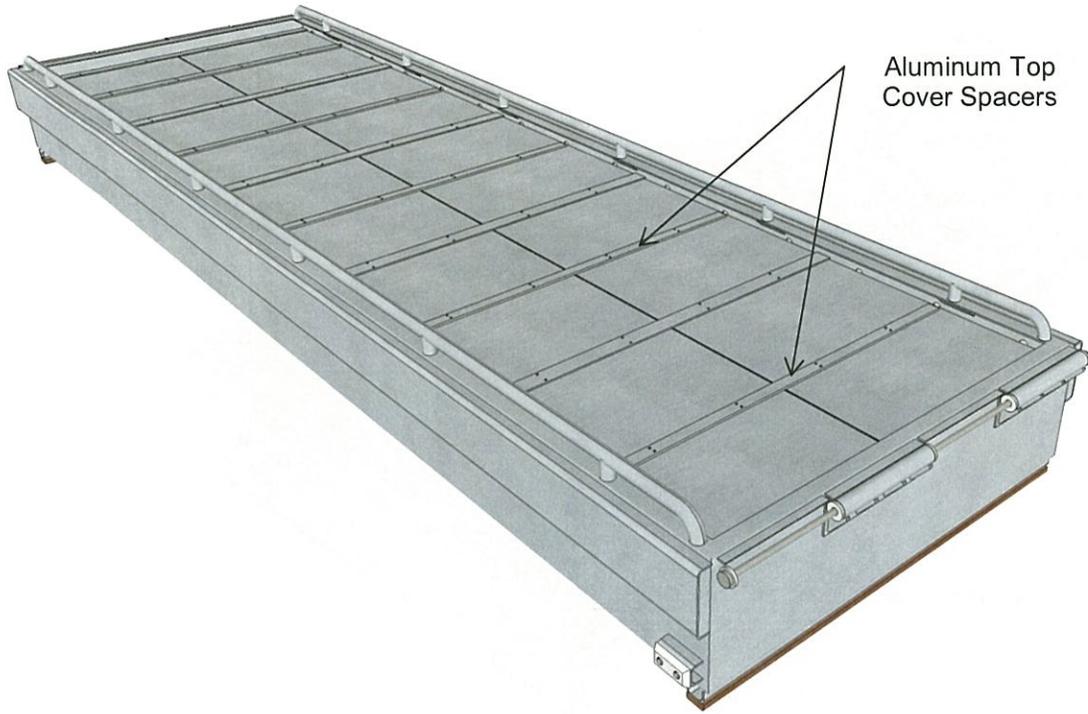
10 - ADD CONCRETE BALLAST



11 - ADD FOAM FLOATATION



12 - ADD TOP COVERS



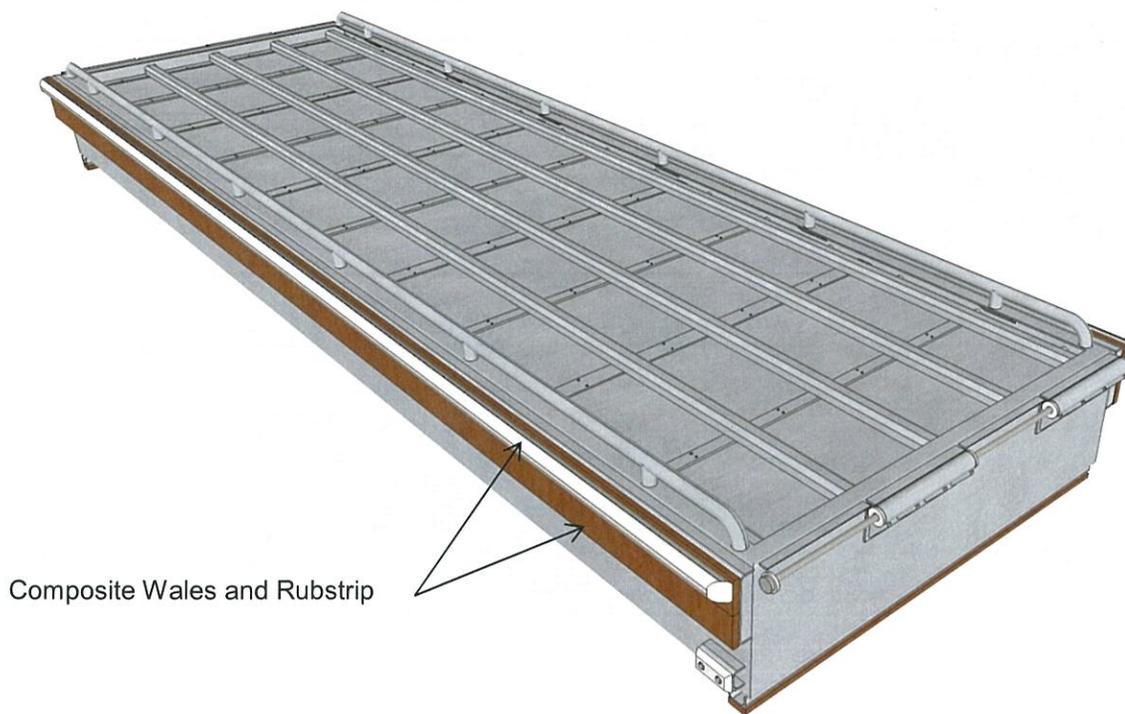
Aluminum Top  
Cover Spacers

13 - ADD TOP COVER SPACERS



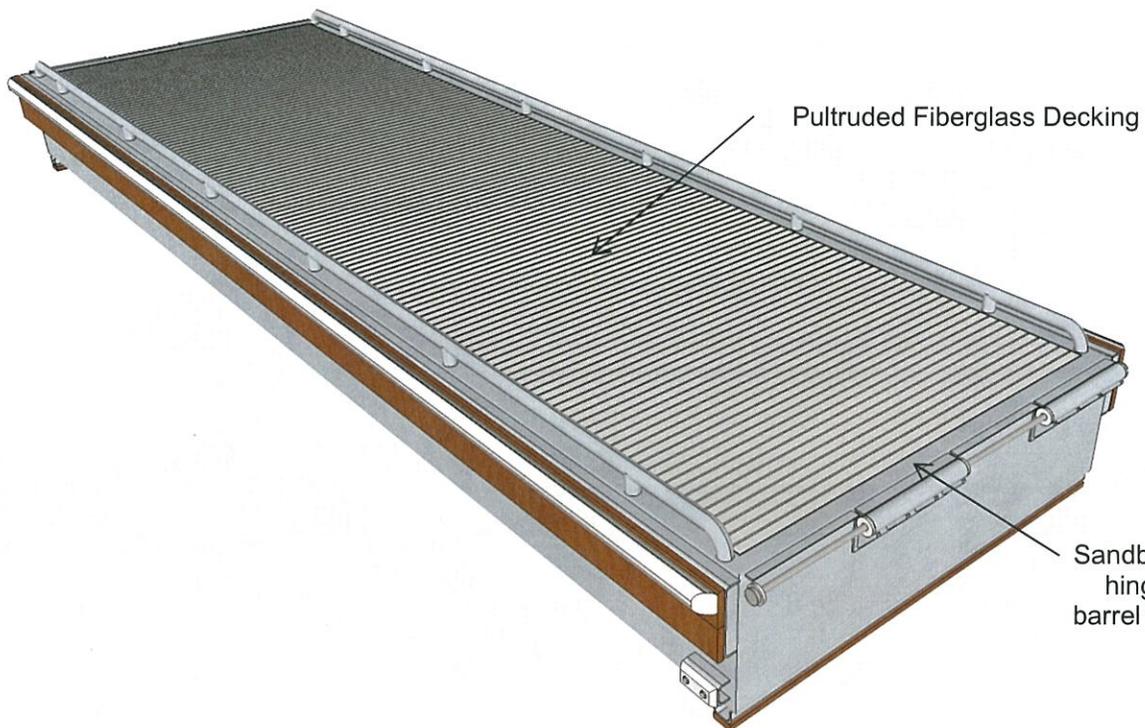
Aluminum Deck Supports

14 - ADD DECK SUPPORTS



Composite Wales and Rubstrip

15 - ADD WALES & RUBSTRIPS



Pultruded Fiberglass Decking

Sandblast shell flange,  
hinge barrels and  
barrel fillers, both ends

16 - ADD DECKING & SANDBLAST (COMPLETE)

END OF SECTION 05150



CITY OF  
**West  
Linn**

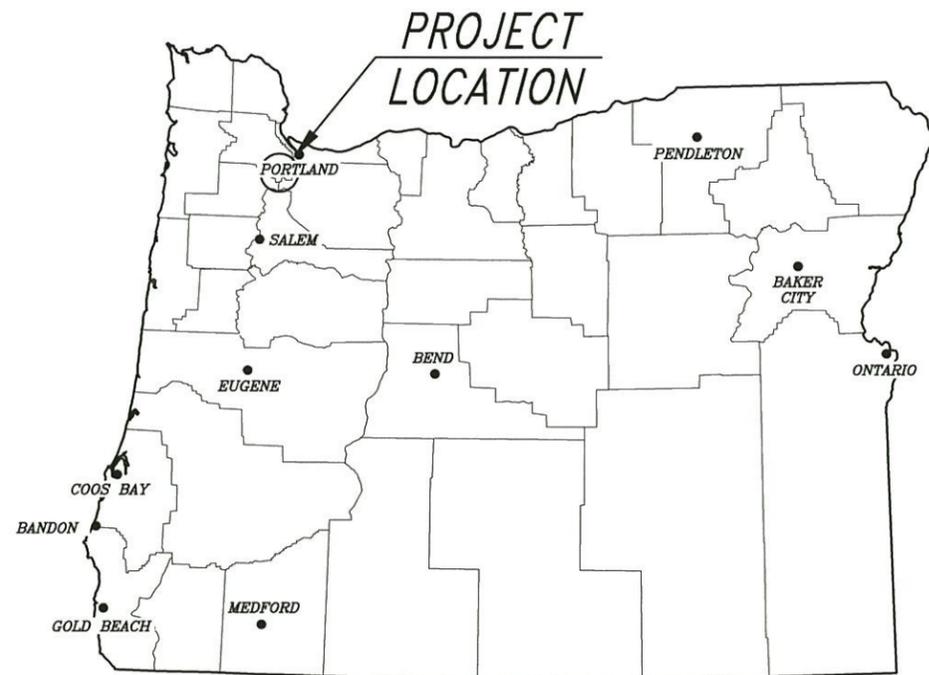
## **PLANS**

Solicitation Number: PRK017B

**Parks Department**  
22500 Salamo Road  
West Linn, Oregon 97068  
Telephone: (503) 557-4700  
Fax: (503) 656-4106

# **Appendix C**

## **PLANS**

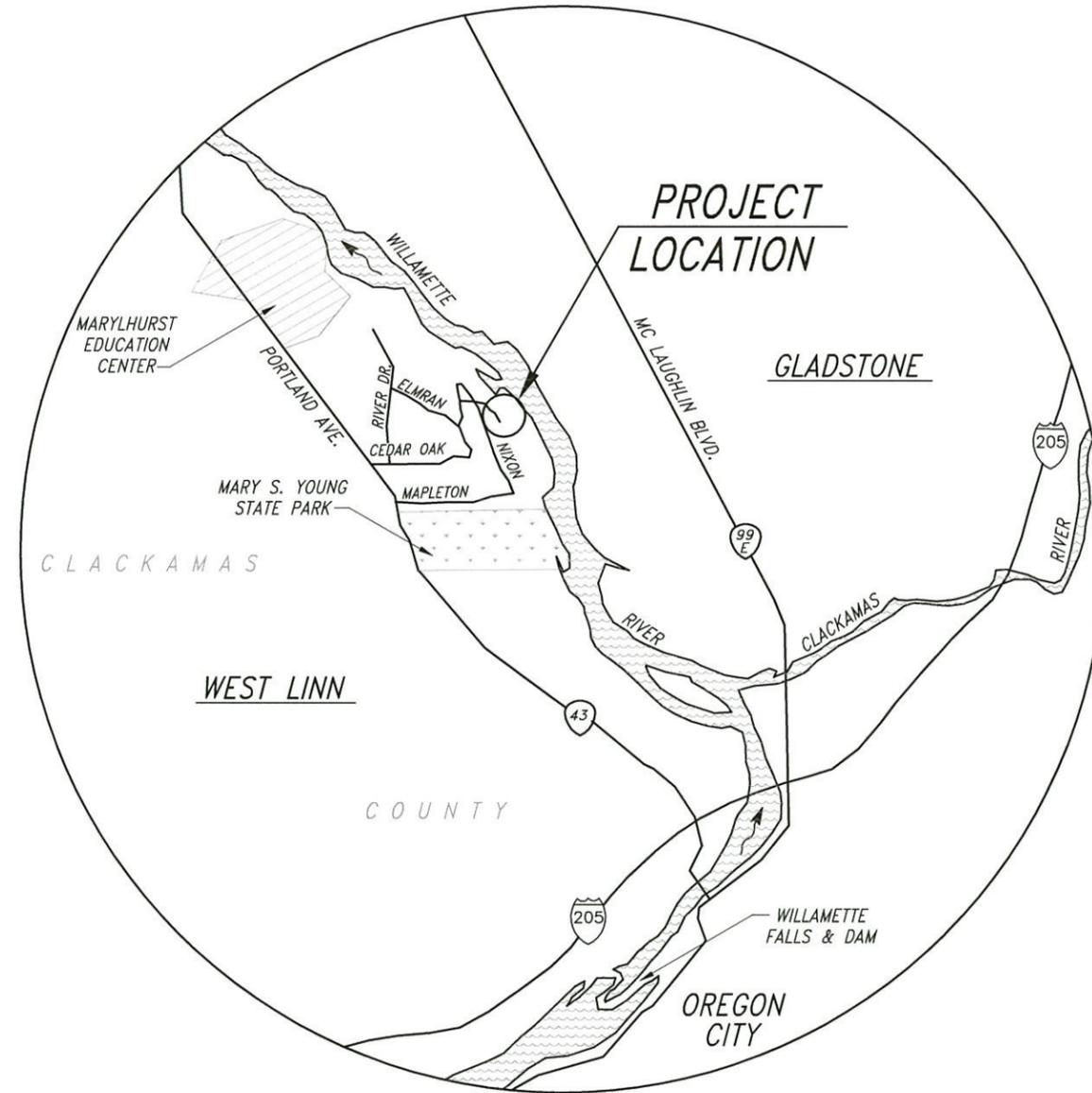


**LOCATION MAP**

NOT TO SCALE

**DRAWING INDEX**

- |   |  |
|---|--|
| 01 - TITLE SHEET                                  | 11 - STRUCTURAL DETAILS (TYPE "C" DOCK ONLY)           |
| 02 - BOARDING DOCK LAYOUT PLAN                    | 12 - HINGE BARREL ASSEMBLY DETAILS                     |
| 03 - ALUMINUM BOARDING DOCK VIEWS (TYPE "A" DOCK) | 13 - FOAM, CONCRETE, & WALE DETAILS                    |
| 04 - ALUMINUM BOARDING DOCK VIEWS (TYPE "C" DOCK) | 14 - TOPSIDE LAYOUT (TYPE "A" DOCK)                    |
| 05 - ALUMINUM BOARDING DOCK SECTIONS              | 15 - TOPSIDE LAYOUT (TYPE "C" DOCK)                    |
| 06 - SHELL DETAILS (TYPE "A" DOCK)                | 16 - PILE POCKET DETAILS (TYPE "C" DOCK)               |
| 07 - SHELL DETAILS (TYPE "C" DOCK)                | 17 - LAST DOCK DETAILS                                 |
| 08 - STRUCTURAL LAYOUT (TYPE "A" DOCK)            | 18 - MODIFIED BULLRAILS LAST DOCK ONLY (TYPE "C" DOCK) |
| 09 - STRUCTURAL LAYOUT (TYPE "C" DOCK)            | 19 - TRANSITION PLATE DETAILS                          |
| 10 - STRUCTURAL DETAILS (TYPE "A" & "C" DOCKS)    | 20 - FIBERGLASS DECK PANEL DETAILS                     |



**VICINITY MAP**

NOT TO SCALE

**ALUMINUM BOARDING DOCKS - FABRICATE & DELIVER  
AT CEDAR OAK BOAT RAMP, WILLAMETTE RIVER MILE 23.2  
FOR THE CITY OF WEST LINN**

**AS ADVERTISED**

DATE	REVISIONS	BY

APPROVED-BOATING FACILITIES MANAGER	OSMB	1/20/16
DESIGNED BY	OSMB	DATE
FINAL CHECK BY	OSMB	DRAWN BY

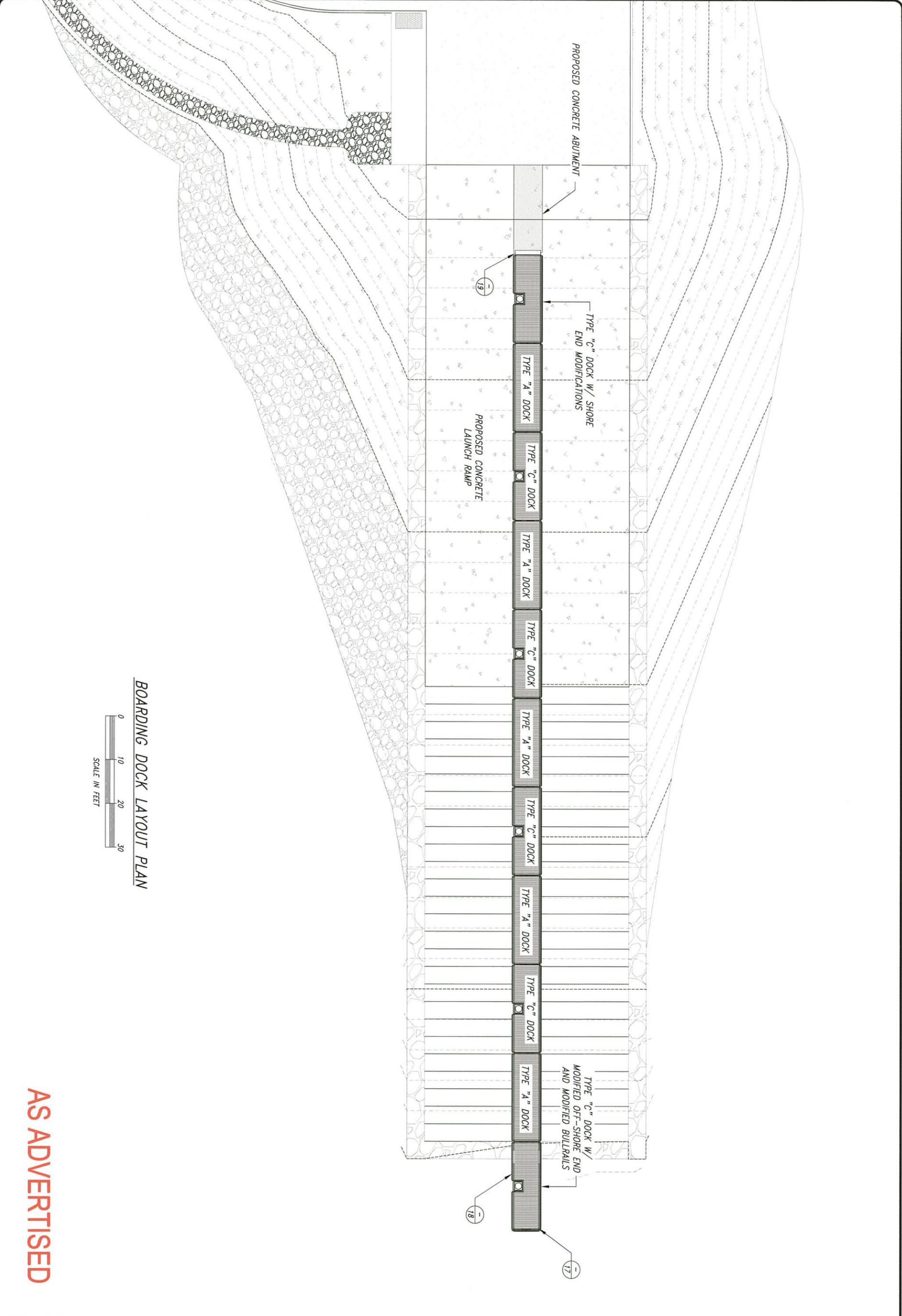


TITLE SHEET  
AT CEDAR OAK BOAT RAMP, WILLAMETTE RIVER MILE 23.2  
FOR THE CITY OF WEST LINN

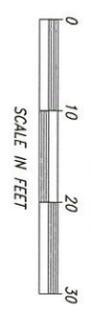
**OREGON STATE MARINE BOARD**

01 SHEET	20 OF
0313-1496-01 DRAWING NO.	

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BOARDING DOCK LAYOUT PLAN

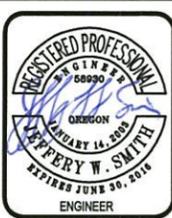


AS ADVERTISED

02  
SHEET  
OF  
20  
0313 - 1496 - 02  
DRAWING NO.

BOARDING DOCK LAYOUT PLAN  
AT CEDAR OAK BOAT RAMP, WILLAMETTE RIVER MILE 23.2  
FOR THE CITY OF WEST LINN

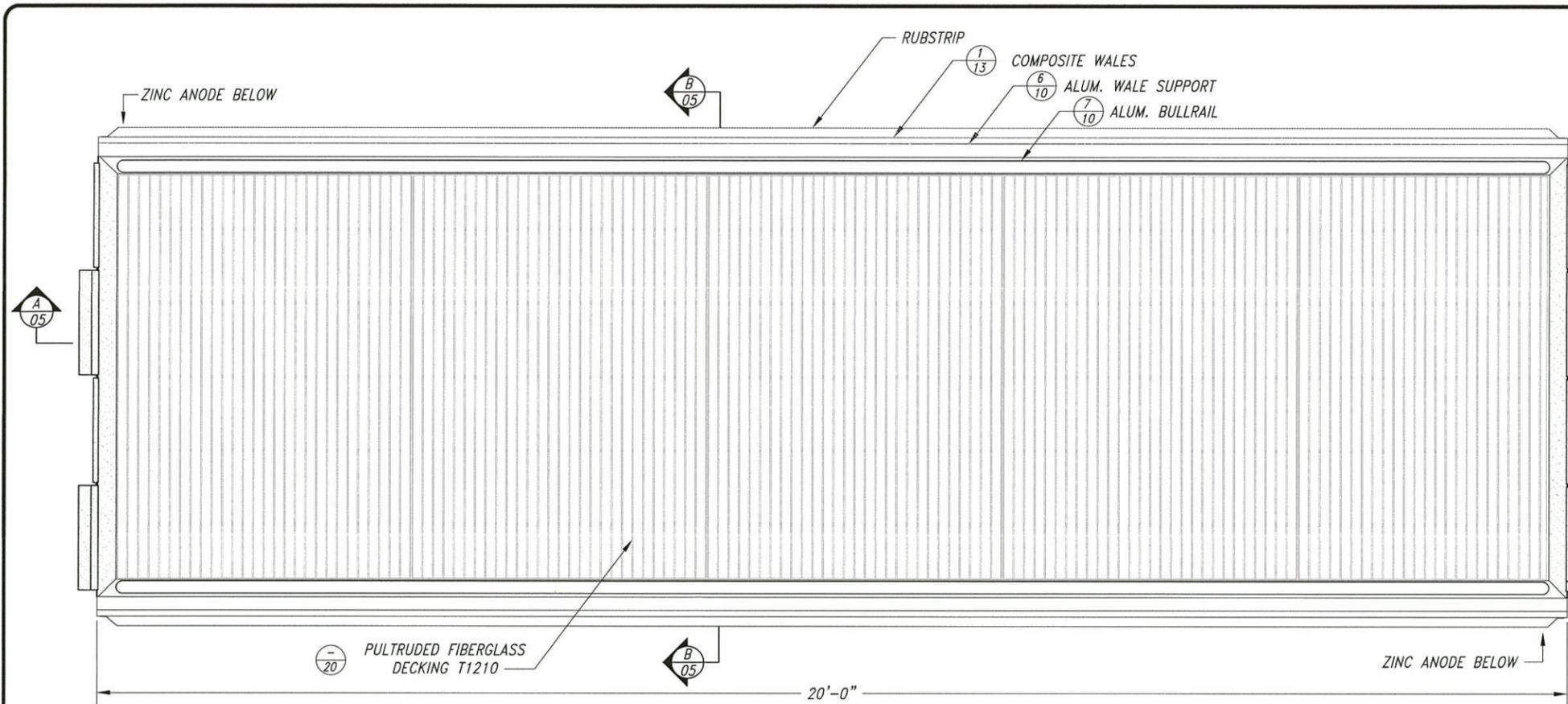
OREGON STATE MARINE BOARD



APPROVED: BOATING FACILITIES MANAGER  
*Gregory W. Smith*  
FINAL CHECK BY  
OSMB  
DESIGNED BY  
OSMB  
DRAWN BY  
DATE  
1/20/16

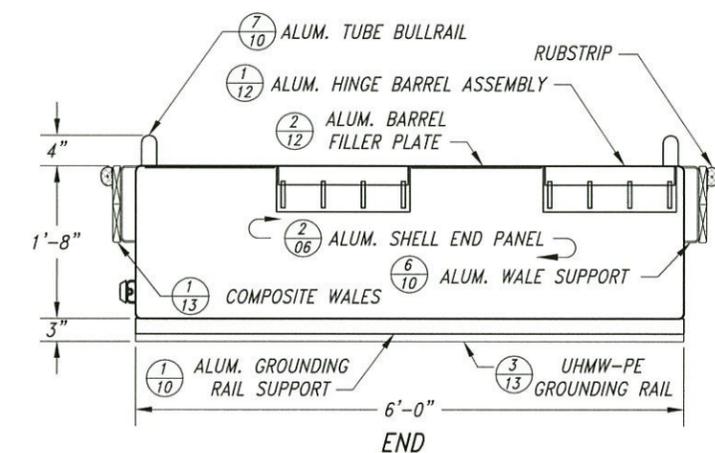
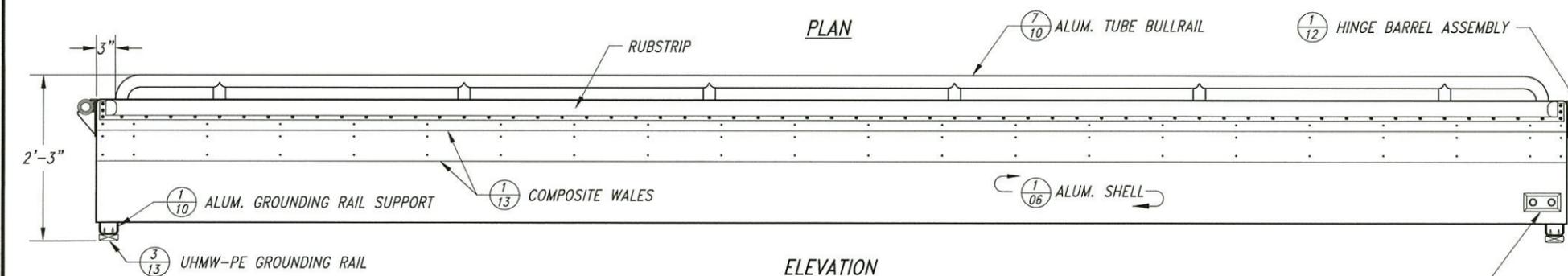
DATE	REVISIONS	BY

FILE PATH J:\Archives\Grant\1496 - CedarOak\Dock Purchase\ FILE NAME 02 - Dock Layout.dwg



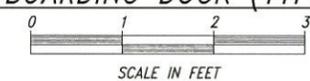
QUANTITIES: (5 TOTAL)  
QTY (5) REQUIRED AS SHOWN

- ① ALUM. HINGE BARREL ASSEMBLY - 2 REQ'D EACH END. OTHER END MIRRORED ABOUT LONGITUDINAL CENTERLINE
  - ② ALUM. BARREL FILLER PLATE - 2 REQ'D EACH END. OTHER END MIRRORED ABOUT LONGITUDINAL CENTERLINE
- SAND BLASTED FINISH TO HINGE BARRELS, BARREL FILLERS, AND SHELL FLANGE ONLY, BOTH ENDS.

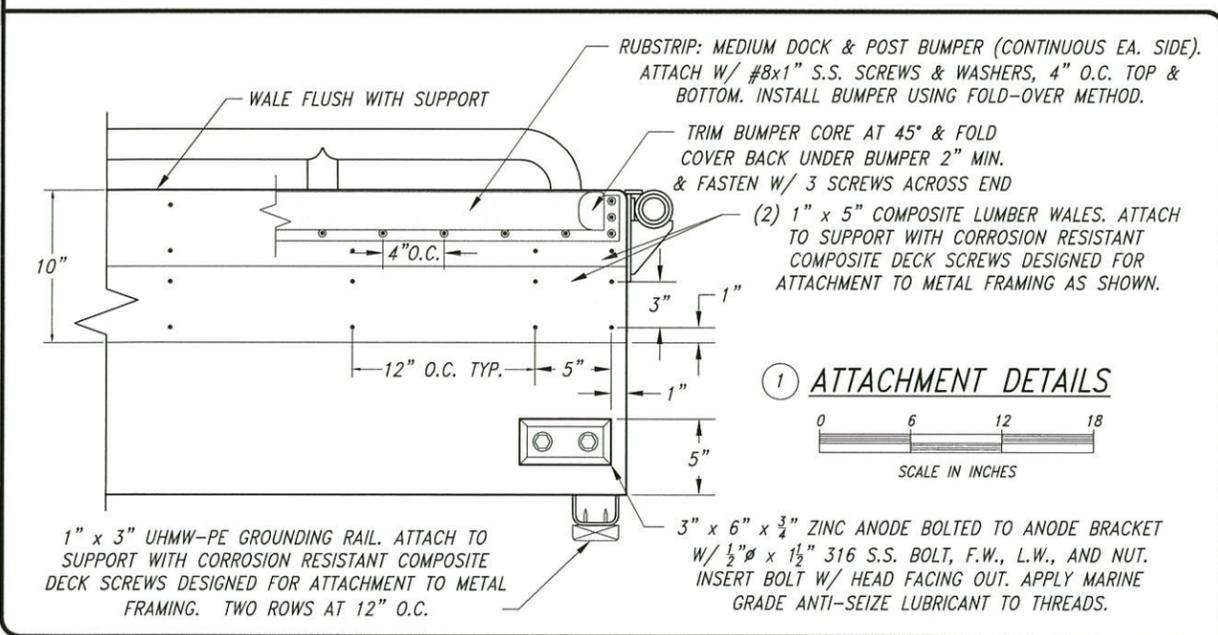


- ⑨ REPLACEABLE ZINC ANODE - 2 REQ'D PER DOCK LOCATED AT OPPOSING CORNERS

ALUMINUM BOARDING DOCK (TYPE "A" DOCK)



NOTES:  
1. ALL PLATE, FLAT BAR, AND FORMED SHAPES SHALL BE 5086 ALUMINUM ALLOY PER SPECIFICATIONS.  
2. ALL ROUND TUBE SHALL BE 6061 ALUMINUM ALLOY PER SPECIFICATIONS.



ANTICIPATED ASSEMBLY SEQUENCE:

1. FABRICATE SHELL
2. INSTALL SHELL END PANELS
3. INSTALL GROUNDING RAIL SUPPORTS & GROUNDING RAILS
4. INSTALL BULKHEADS
5. INSTALL BOTTOM STIFFENERS
6. INSTALL END STIFFENERS
7. INSTALL BULLRAIL GUSSETS
8. INSTALL WALE SUPPORTS & ANODE BRACKETS
9. INSTALL HINGE BARREL ASSEMBLIES & FILLER PLATES
10. INSTALL BULLRAILS
11. SANDBLAST HINGE BARRELS AND ADJACENT SHELL FLANGE
12. APPLY BARRIER COATING PRIOR TO PLACING CONCRETE
13. INSTALL CONCRETE BALLAST
14. INSTALL FOAM FLOATATION
15. INSTALL & SECURE TOP COVERS
16. INSTALL & SECURE TOP COVER SPACERS
17. INSTALL DECK SUPPORTS
18. INSTALL DECKING
19. INSTALL WALES
20. INSTALL RUBSTRIPS
21. INSTALL ZINC ANODES

DATE	REVISIONS	BY

APPROVED BOATING FACILITIES MANAGER  
FINAL CHECK BY  
DESIGNED BY OSMB  
DRAWN BY OSMB  
DATE 1/20/16



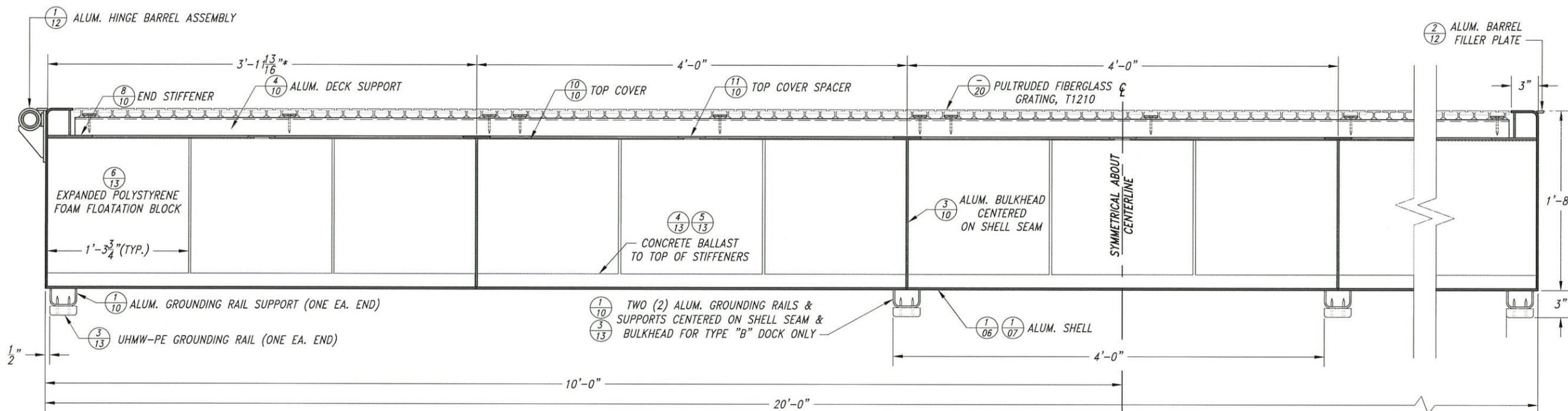
ALUMINUM BOARDING DOCK VIEWS (TYPE "A" DOCK)  
AT CEDAR OAK BOAT RAMP, WILLAMETTE RIVER MILE 23.2  
FOR THE CITY OF WEST LINN

OREGON STATE MARINE BOARD

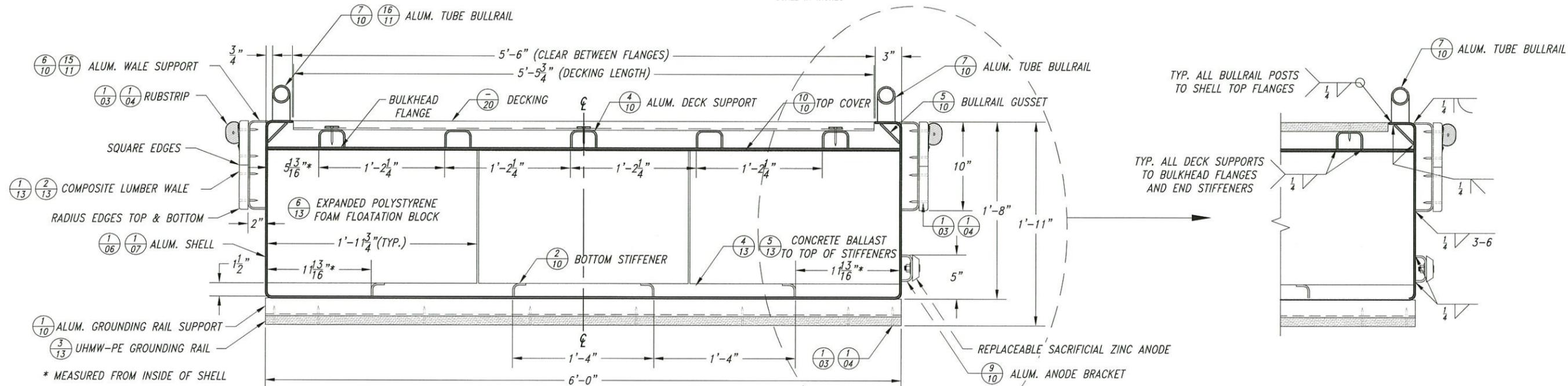
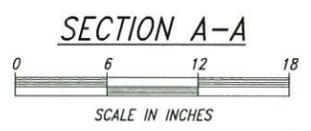
03 SHEET 20 OF  
0313 - 1496 - 03  
DRAWING NO.

AS ADVERTISED

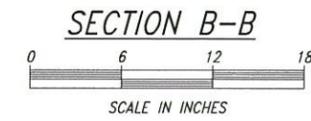




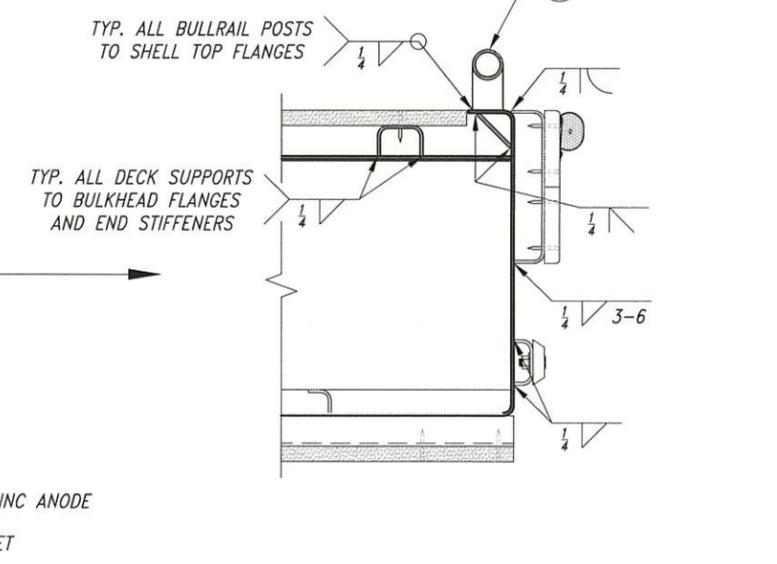
\* MEASURED FROM INSIDE OF SHELL



\* MEASURED FROM INSIDE OF SHELL



**NOTES:**  
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 2. ALL ROUND TUBE SHALL BE 6061 ALUMINUM ALLOY PER SPECIFICATIONS.



MISC. WELDING DETAILS

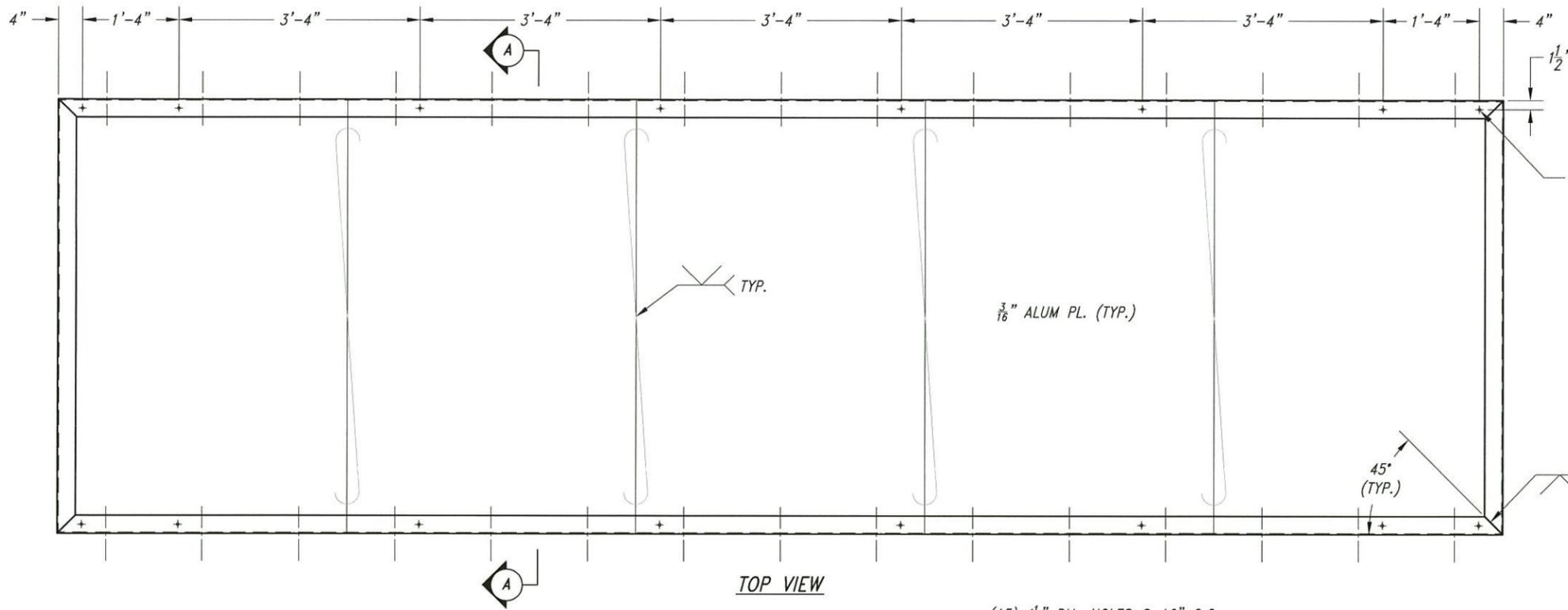
**AS ADVERTISED**

DATE	REVISIONS	BY

APPROVED: BOATING FACILITIES MANAGER  
 FINAL CHECK BY: OSMB  
 DESIGNED BY: OSMB  
 DRAWN BY: OSMB  
 DATE: 1/20/16

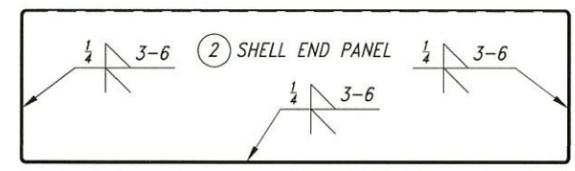
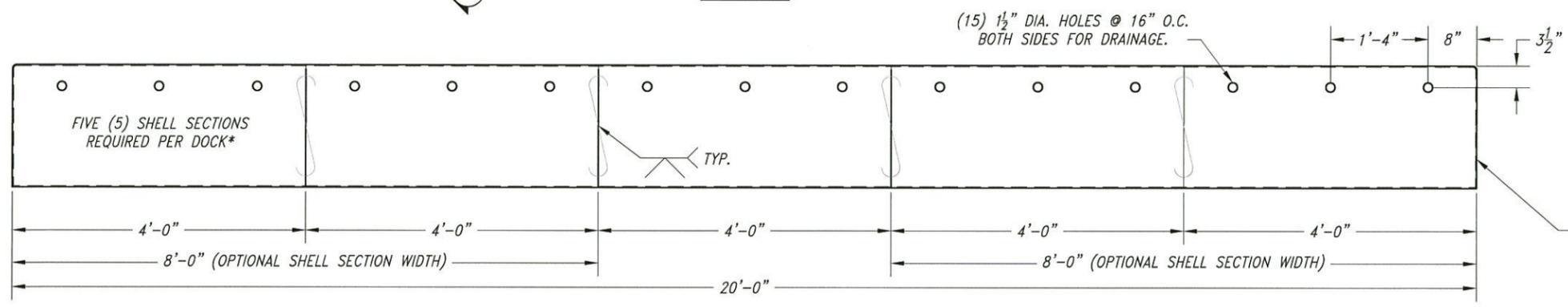


ALUMINUM BOARDING DOCK SECTIONS  
 AT CEDAR OAK BOAT RAMP, WILLAMETTE RIVER MILE 23.2  
 FOR THE CITY OF WEST LINN  
**OREGON STATE MARINE BOARD**



**NOTES:**  
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 2. ALL ROUND TUBE SHALL BE 6061 ALUMINUM ALLOY PER SPECIFICATIONS.

EACH SHELL SECTION (BOTTOM, SIDES AND TOP FLANGES) SHALL BE FORMED BY BENDING 4' x 10' OR 8' x 10' SHEETS OF ALUM. PLATE CUT TO LENGTH TO MEET DIMENSION REQUIREMENTS. ALL BENDS SHALL BE 90° WITH MAX. 1/2" INSIDE RADII. SHELL SECTIONS SHALL NOT BE FABRICATED FROM SEPARATE PIECES WELDED TOGETHER.

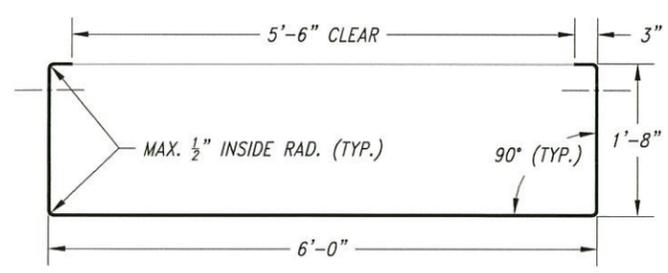


\*THREE (3) SHELL SECTIONS REQUIRED PER DOCK IF USING A COMBINATION OF 8' AND 4' WIDE SECTIONS

① SHELL DETAILS (TYPE "A" DOCK)

0 1 2 3

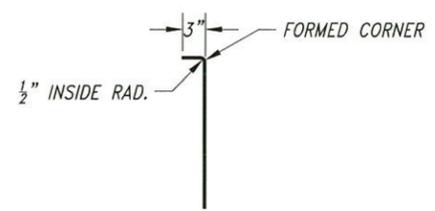
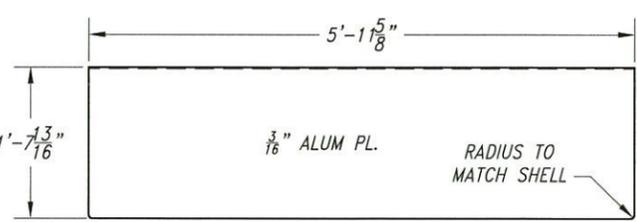
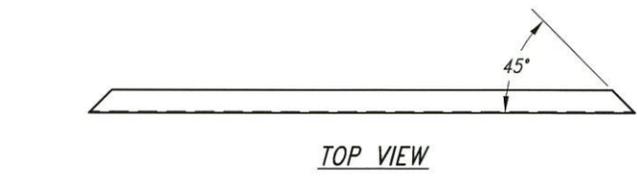
SCALE IN FEET



SECTION A-A

0 1 2 3

SCALE IN FEET



② SHELL END PANEL

0 1 2 3

SCALE IN FEET

DATE	REVISIONS	BY

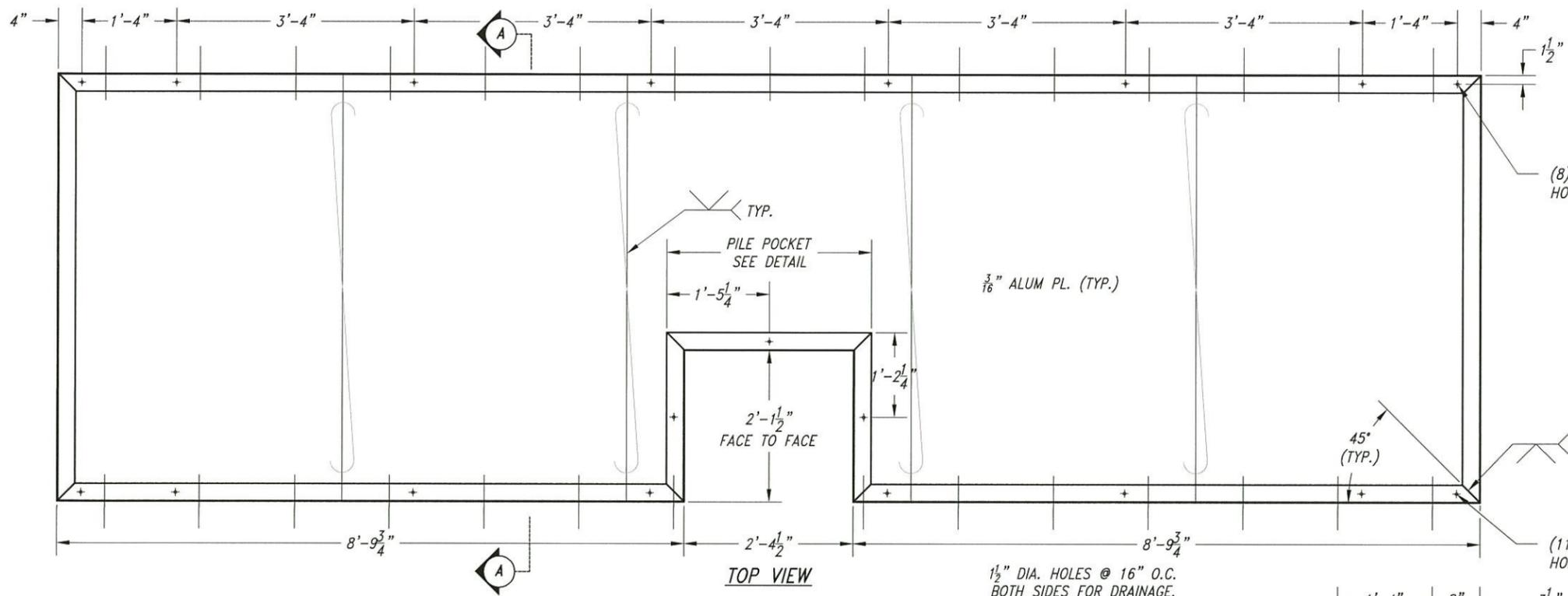
APPROVED BOATING FACILITIES MANAGER	OSMB	1/20/16
DESIGNED BY	OSMB	DATE
FINAL CHECK BY	OSMB	DRAWN BY



SHELL DETAILS (TYPE "A" DOCK)  
 AT CEDAR OAK BOAT RAMP, WILLAMETTE RIVER MILE 23.2  
 FOR THE CITY OF WEST LINN

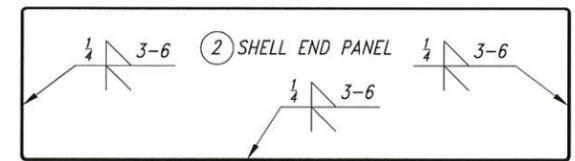
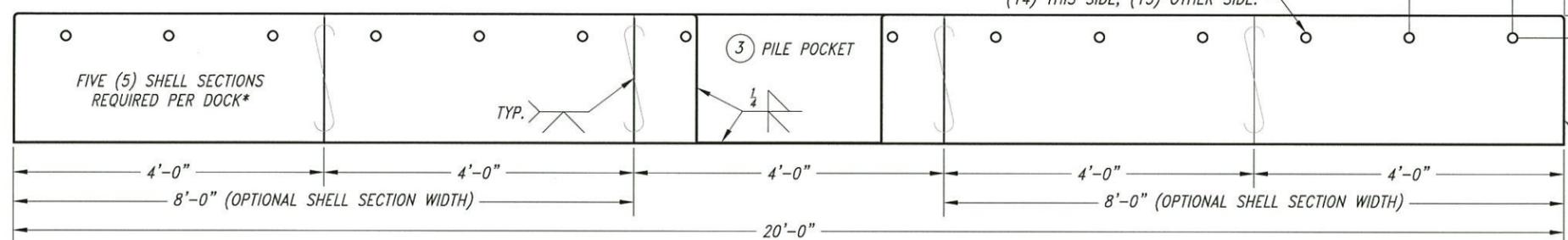
OREGON STATE MARINE BOARD

AS ADVERTISED



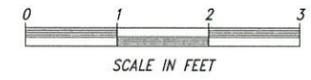
**NOTES:**  
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 2. ALL ROUND TUBE SHALL BE 6061 ALUMINUM ALLOY PER SPECIFICATIONS.

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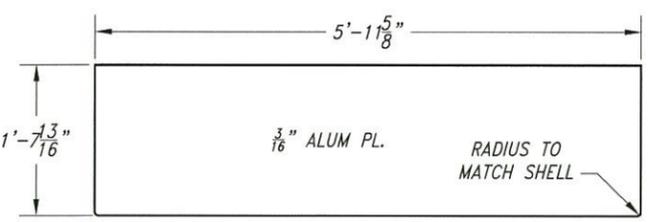


\*THREE (3) SHELL SECTIONS REQUIRED PER DOCK IF USING A COMBINATION OF 8' AND 4' WIDE SECTIONS

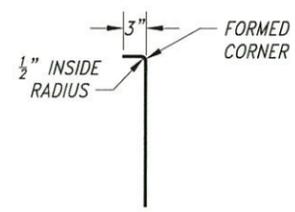
① SHELL DETAILS (TYPE "B" DOCK)



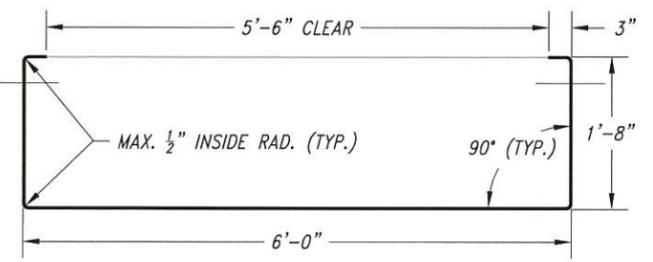
TOP VIEW



END VIEW



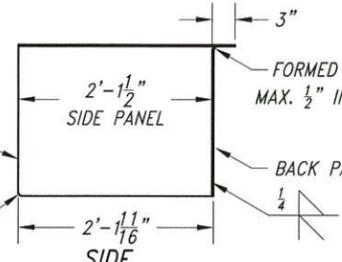
SIDE VIEW



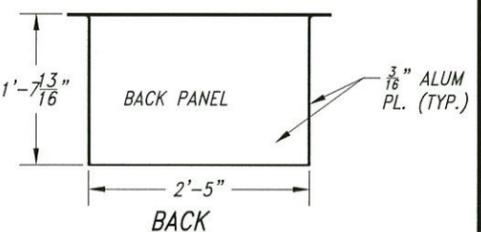
SECTION-A

PLACE AGAINST INSIDE OF SHELL

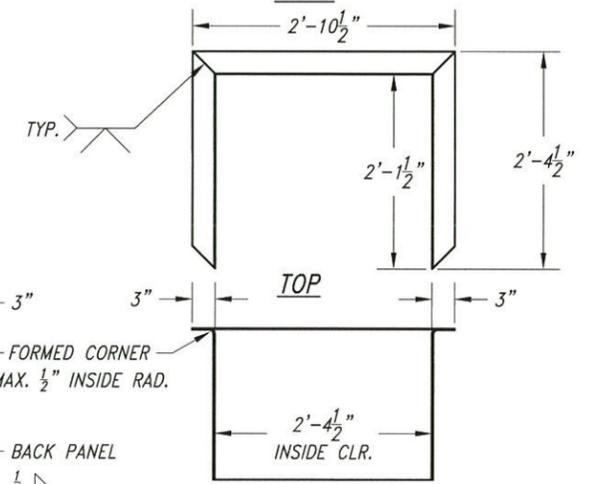
RADIUS TO MATCH SHELL



③ PILE POCKET



BACK



FRONT

AS ADVERTISED

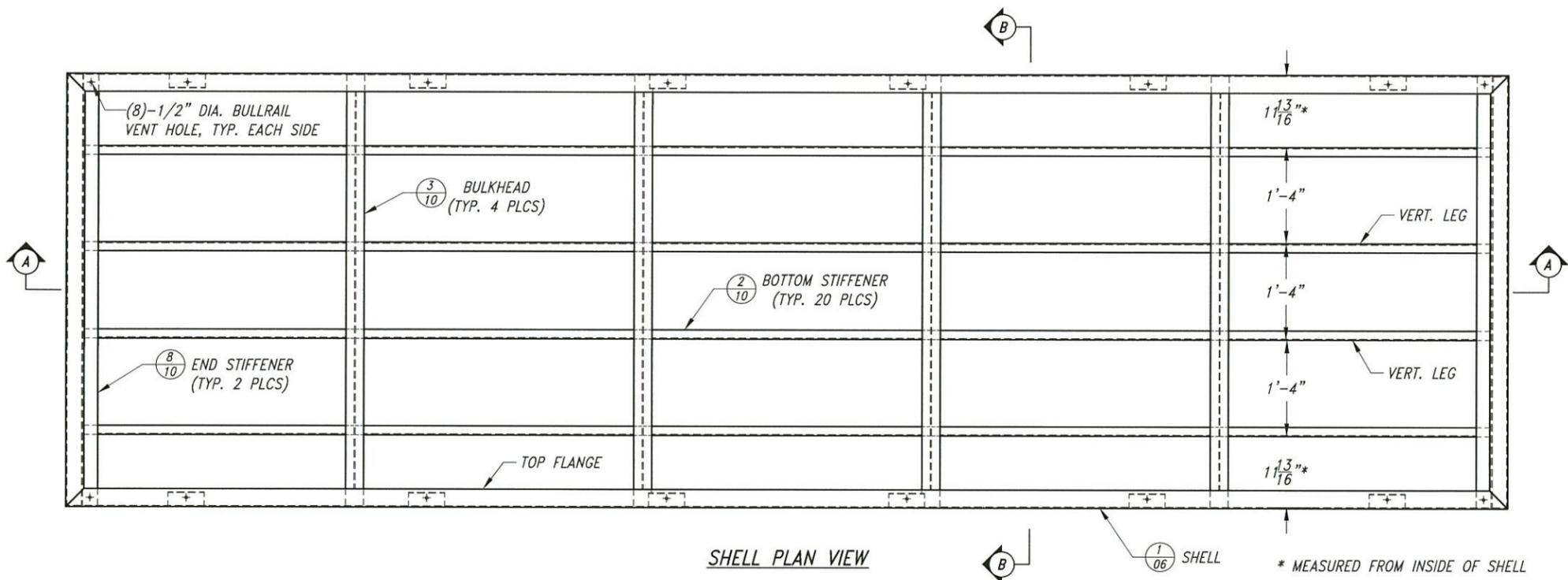
REVISIONS	DATE	BY

APPROVED BOATING FACILITIES MANAGER	DESIGNED BY	DATE
<i>James Bedger</i>	OSMB	1/20/16
FINAL CHECK BY	DRAWN BY	
<i>Sean</i>	OSMB	

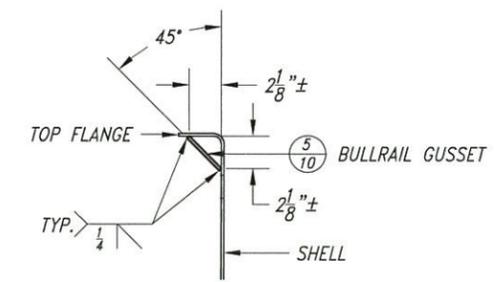


SHELL DETAILS (TYPE "B" DOCK)  
 AT CEDAR OAK BOAT RAMP, WILLAMETTE RIVER MILE 23.2  
 FOR THE CITY OF WEST LINN

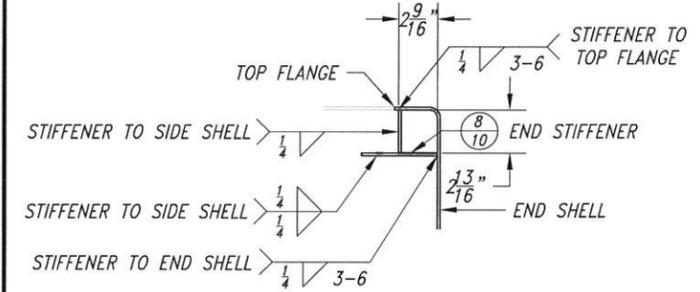
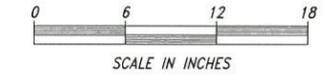
OREGON STATE MARINE BOARD



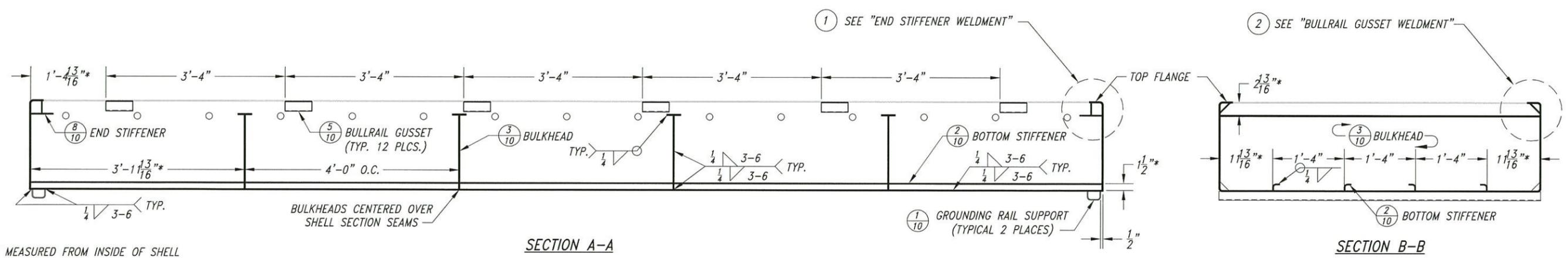
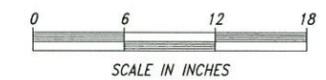
SHELL PLAN VIEW



(2) BULLRAIL GUSSET WELDMENT



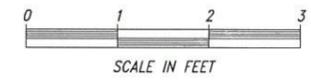
(1) END STIFFENER WELDMENT



SECTION A-A

SECTION B-B

STRUCTURAL LAYOUT (TYPE "A" DOCK)



**NOTES:**  
 1. ALL PLATE, FLAT BAR, AND FORMED SHAPES SHALL BE 5086 ALUMINUM ALLOY PER SPECIFICATIONS.  
 2. ALL ROUND TUBE SHALL BE 6061 ALUMINUM ALLOY PER SPECIFICATIONS.

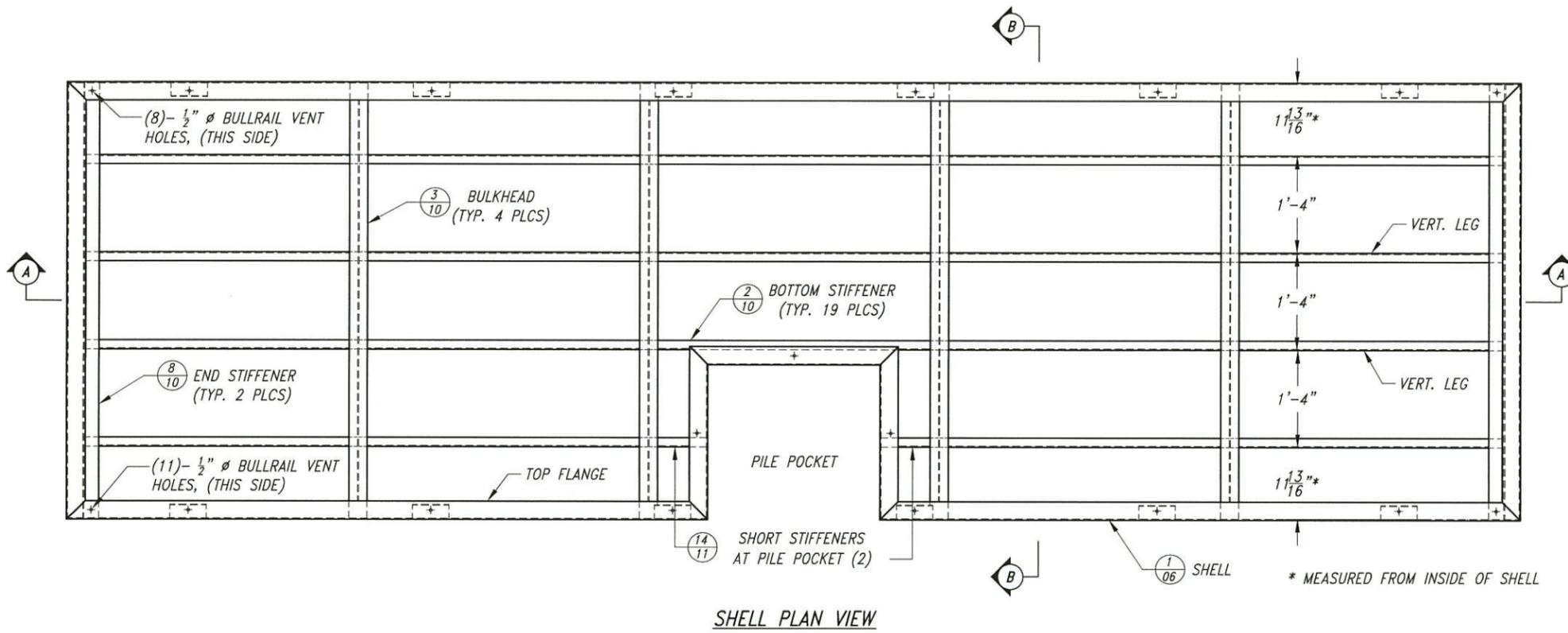
DATE	REVISIONS	BY

APPROVED: BOATING FACILITIES MANAGER  
 FINAL CHECK BY: [Signature]  
 DESIGNED BY: OSMB  
 DRAWN BY: OSMB  
 DATE: 1/20/16

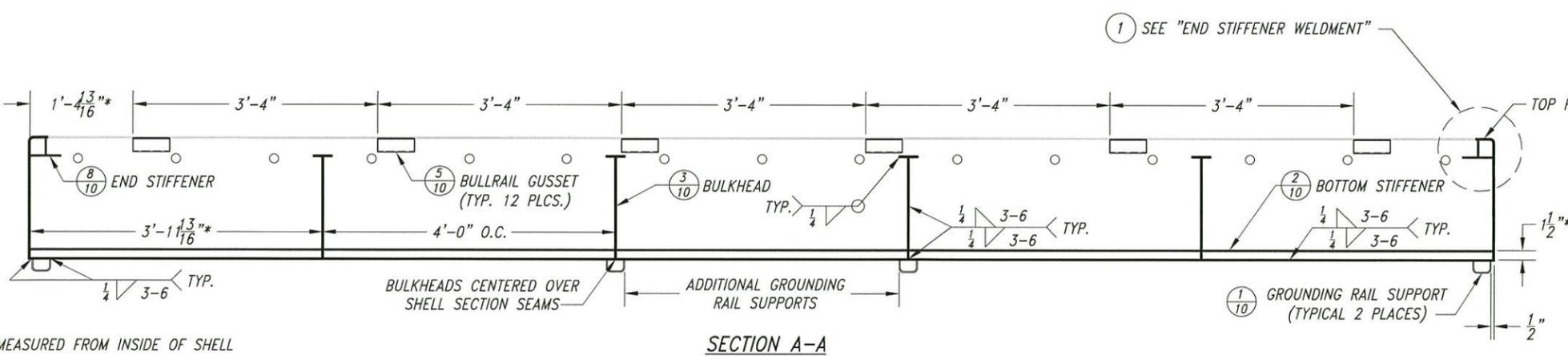


STRUCTURAL LAYOUT (TYPE "A" DOCK)  
 AT CEDAR OAK BOAT RAMP, WILLAMETTE RIVER MILE 23.2  
 FOR THE CITY OF WEST LINN  
**OREGON STATE MARINE BOARD**

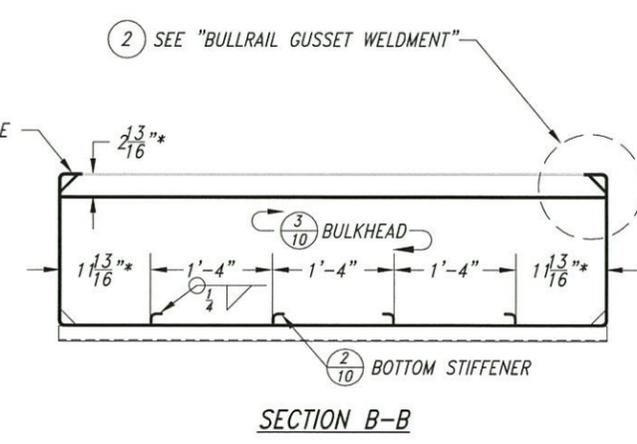
**AS ADVERTISED**



SHELL PLAN VIEW

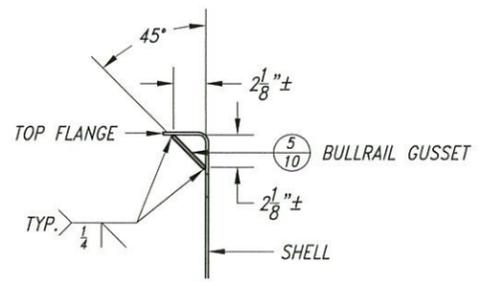
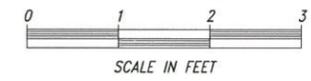


SECTION A-A

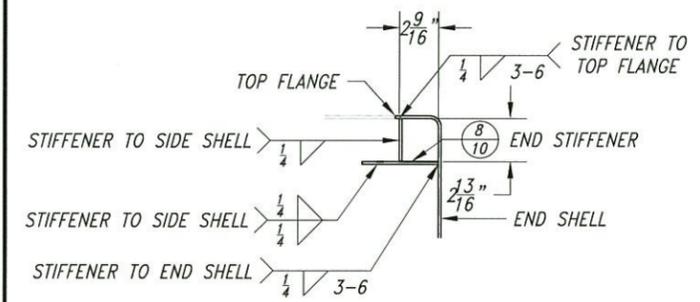
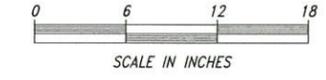


SECTION B-B

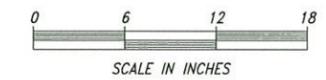
STRUCTURAL LAYOUT (TYPE "C" DOCK)



(2) BULLRAIL GUSSET WELDMENT



(1) END STIFFENER WELDMENT



**NOTES:**  
 1. ALL PLATE, FLAT BAR, AND FORMED SHAPES SHALL BE 5086 ALUMINUM ALLOY PER SPECIFICATIONS.  
 2. ALL ROUND TUBE SHALL BE 6061 ALUMINUM ALLOY PER SPECIFICATIONS.

DATE	REVISIONS	BY

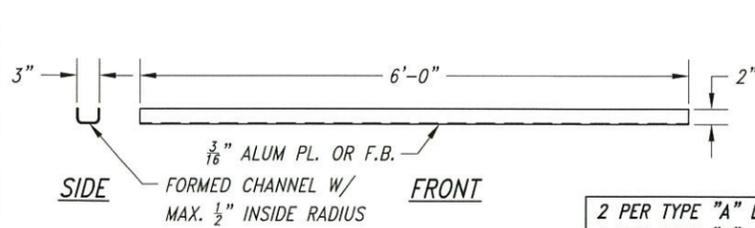
APPROVED BOATING FACILITIES MANAGER	DESIGNED BY	DATE
	OSMB	1/20/16
FINAL CHECK BY	DRAWN BY	
	OSMB	



STRUCTURAL LAYOUT (TYPE "C" DOCK)  
 AT CEDAR OAK BOAT RAMP, WILLAMETTE RIVER MILE 23.2  
 FOR THE CITY OF WEST LINN

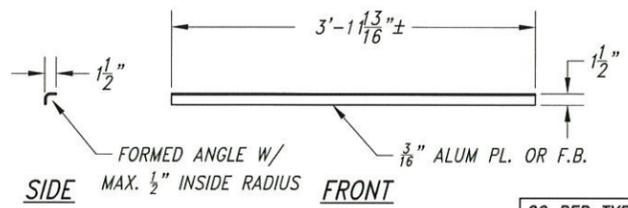
OREGON STATE MARINE BOARD

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1 GROUNDING RAIL SUPPORT

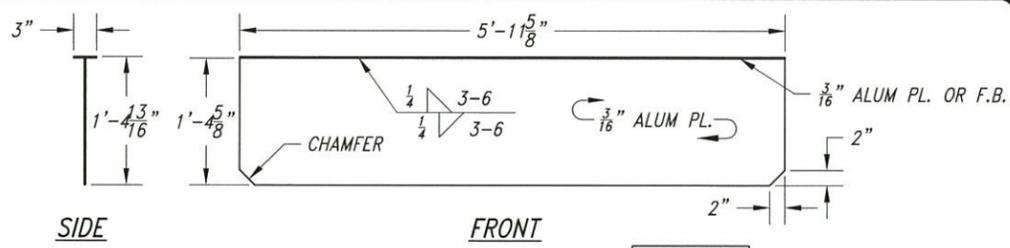
2 PER TYPE "A" DOCK  
4 PER TYPE "C" DOCK



2 BOTTOM STIFFENER

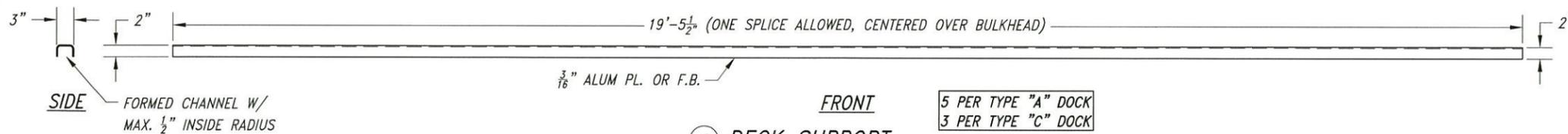
OPTIONAL:  $\angle 1 \frac{1}{2} \times 1 \frac{1}{2} \times \frac{3}{16}$ , 6061 ALUM.

20 PER TYPE "A" DOCK  
19 PER TYPE "C" DOCK



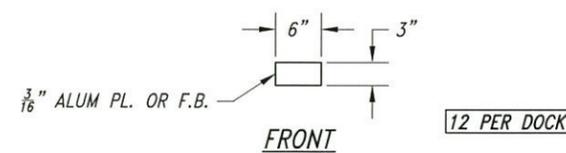
3 BULKHEAD

4 PER DOCK



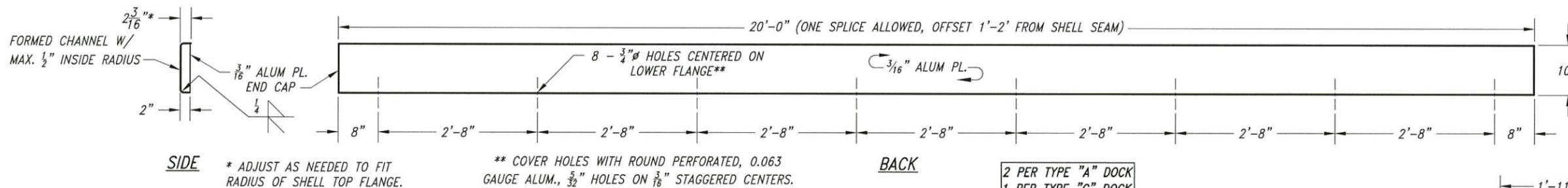
4 DECK SUPPORT

5 PER TYPE "A" DOCK  
3 PER TYPE "C" DOCK



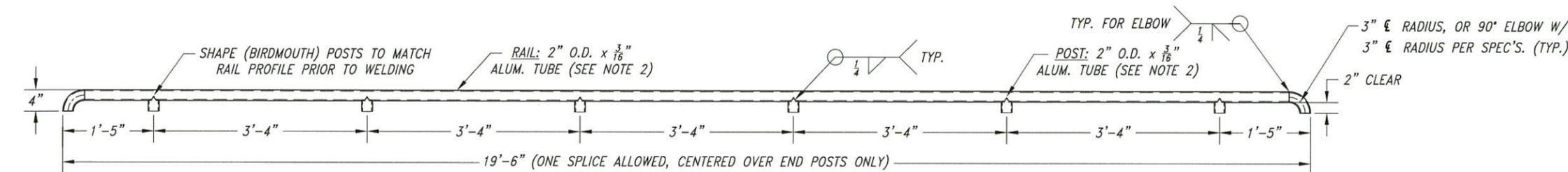
5 BULLRAIL GUSSET

12 PER DOCK



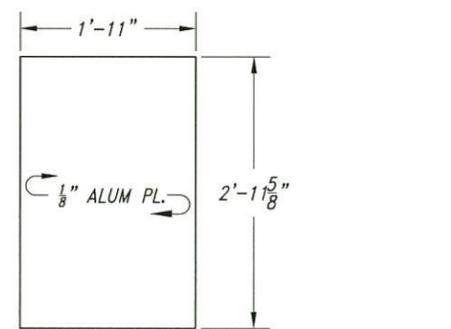
6 WALE SUPPORT

2 PER TYPE "A" DOCK  
1 PER TYPE "C" DOCK



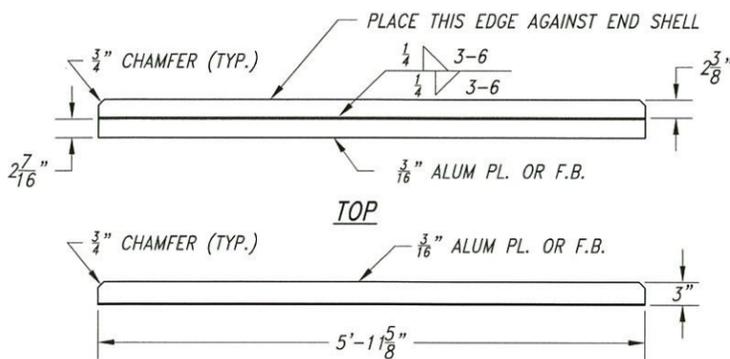
7 BULLRAIL

2 PER TYPE "A" DOCK  
1 PER TYPE "C" DOCK



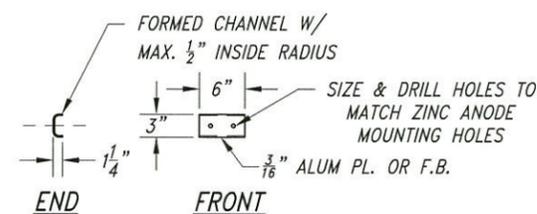
10 TOP COVER

20 PER TYPE "A" DOCK  
18 PER TYPE "C" DOCK



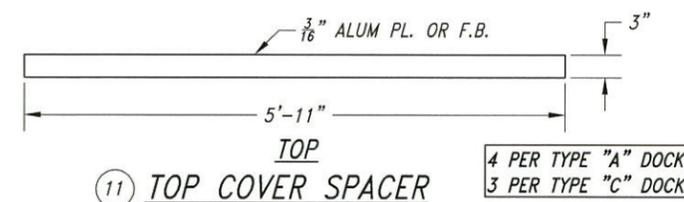
8 END STIFFENER

2 PER DOCK



9 ANODE BRACKET

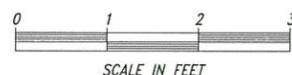
2 PER DOCK



11 TOP COVER SPACER

4 PER TYPE "A" DOCK  
3 PER TYPE "C" DOCK

STRUCTURAL DETAILS  
(TYPE "A" & "C" DOCKS)



NOTES:  
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2. ALL ROUND TUBE SHALL BE 6061 ALUMINUM ALLOY PER SPECIFICATIONS.

AS ADVERTISED

DATE	REVISIONS	BY

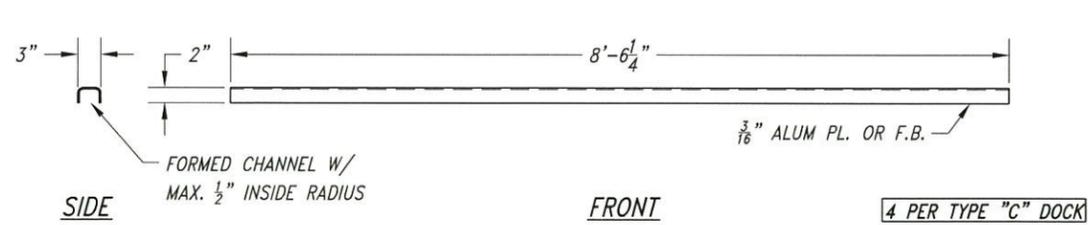
APPROVED: BOATING FACILITIES MANAGER	OSMB	1/20/16
DESIGNED BY	OSMB	DATE
DRAWN BY	OSMB	DATE



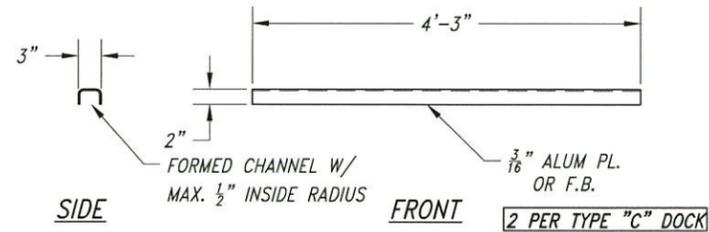
STRUCTURAL DETAILS (TYPE "A" & "C" DOCKS)  
AT CEDAR OAK BOAT RAMP, WILLAMETTE RIVER MILE 23.2  
FOR THE CITY OF WEST LINN

OREGON STATE MARINE BOARD

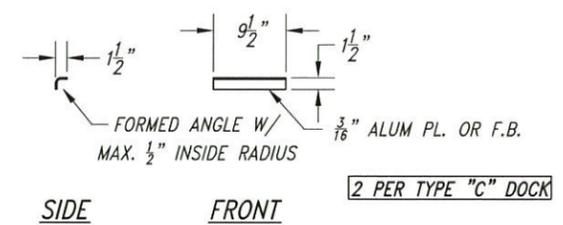
10 SHEET	20 OF
0313 - 1496 - 10 DRAWING NO.	



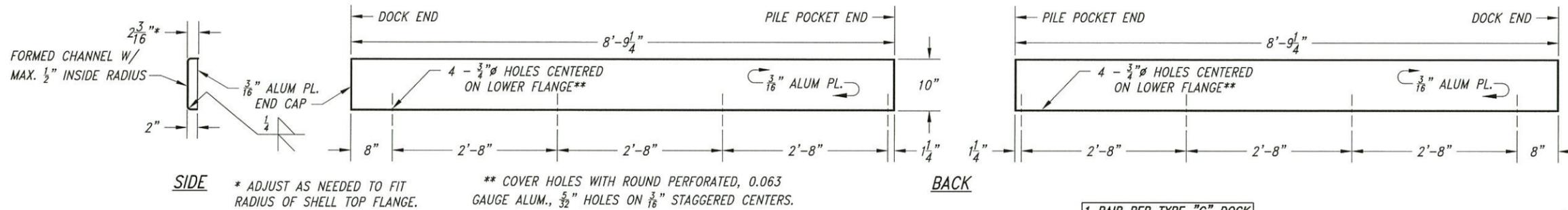
12 DECK SUPPORT @ PILE POCKET



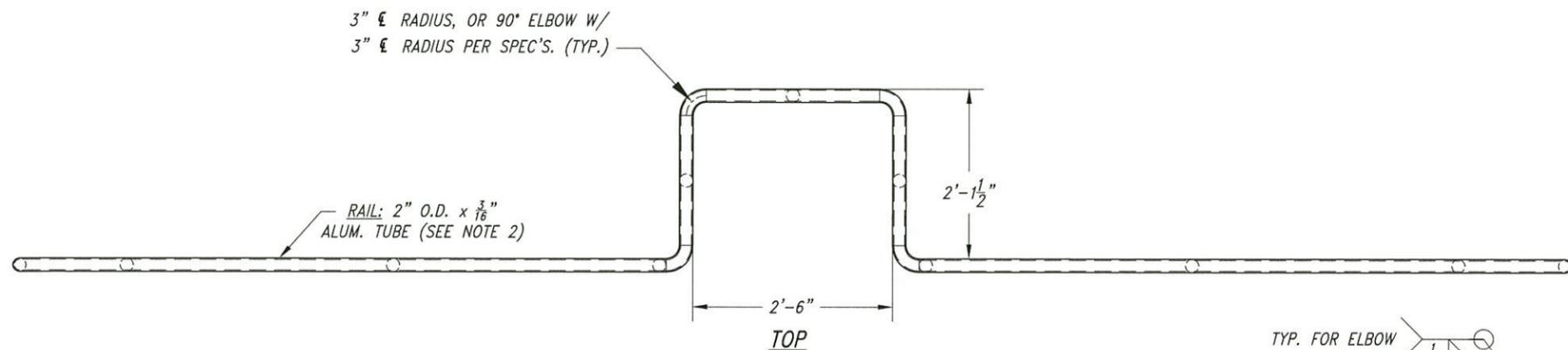
13 DECK SUPPORT CONNECTOR



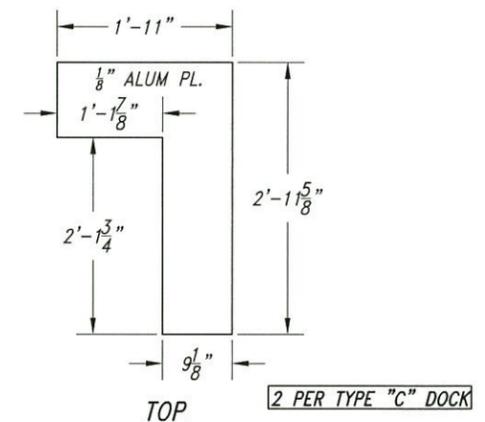
14 BOTTOM STIFFENER @ PILE POCKET  
OPTIONAL: L 1 1/2" X 1 1/2" X 3/16", 6061 ALUM.



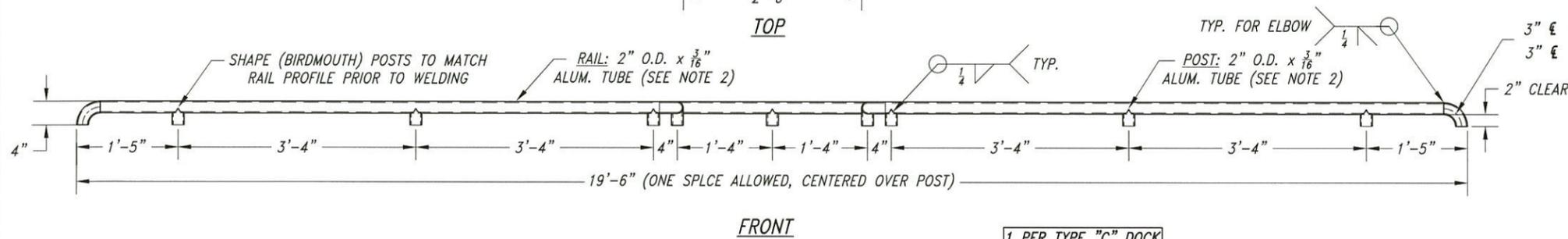
15 WALE SUPPORT @ PILE POCKET



16 BULLRAIL @ PILE POCKET



17 TOP COVER @ PILE POCKET



18 TOP COVER SPACER @ PILE POCKET

NOTES:  
1. ALL PLATE, FLAT BAR, AND FORMED SHAPES SHALL BE 5086 ALUMINUM ALLOY PER SPECIFICATIONS.  
2. ALL ROUND TUBE SHALL BE 6061 ALUMINUM ALLOY PER SPECIFICATIONS.

STRUCTURAL DETAILS  
(TYPE "C" DOCK ONLY)



DATE	REVISIONS	BY

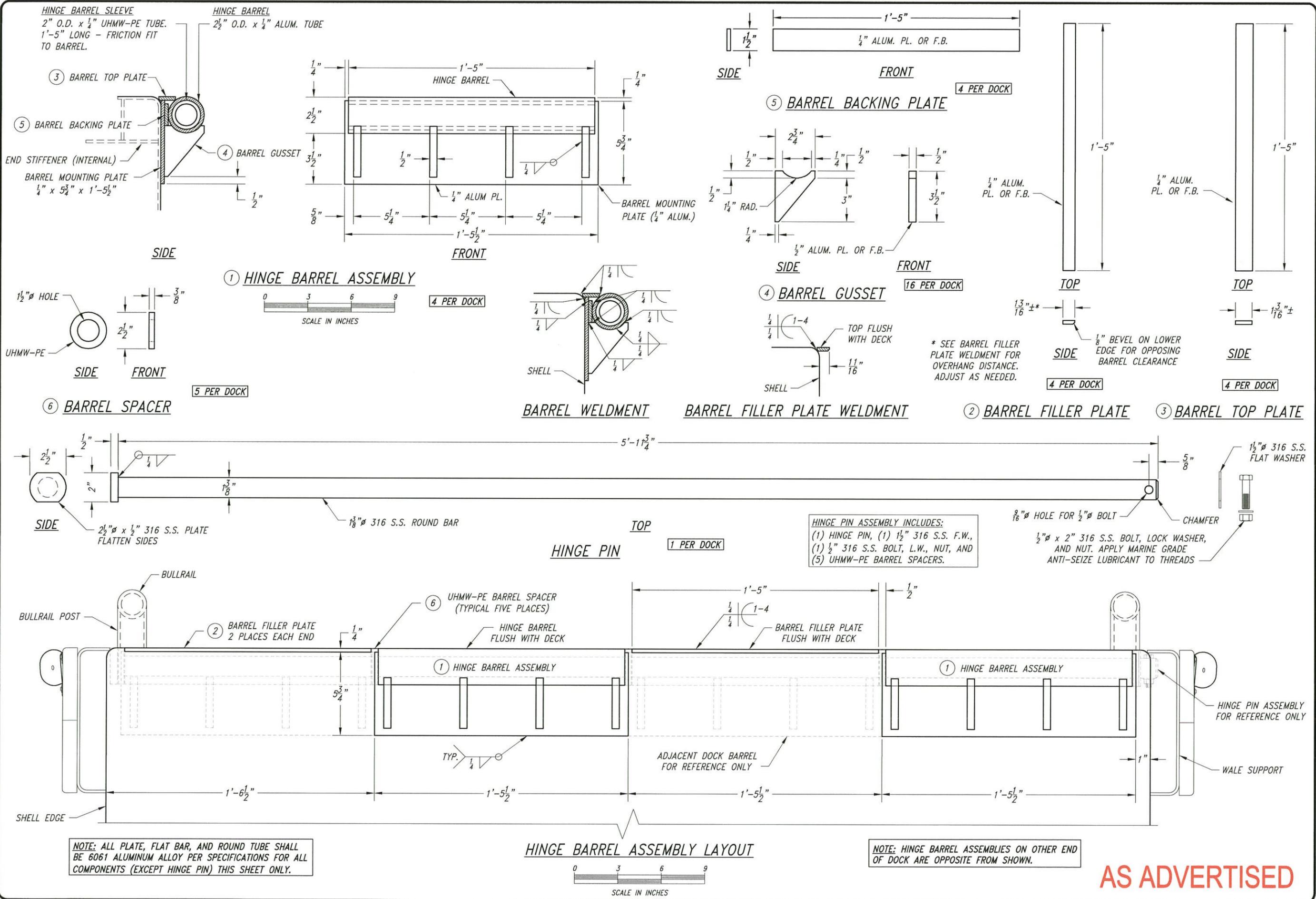
APPROVED BOATING FACILITIES MANAGER	OSMB	1/20/16
DESIGNED BY	OSMB	DATE
DRAWN BY	OSMB	



STRUCTURAL DETAILS (TYPE "C" DOCK ONLY)  
AT CEDAR OAK BOAT RAMP, WILLAMETTE RIVER MILE 23.2  
FOR THE CITY OF WEST LINN

OREGON STATE MARINE BOARD

AS ADVERTISED



DATE	BY
REVISIONS	

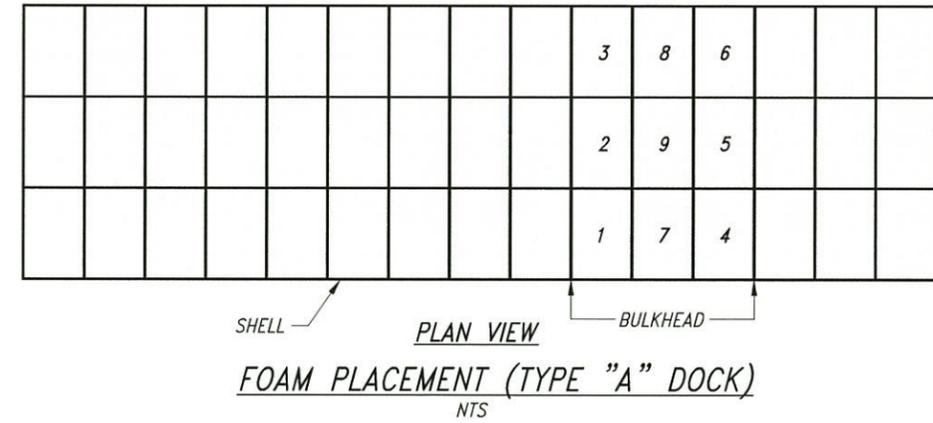
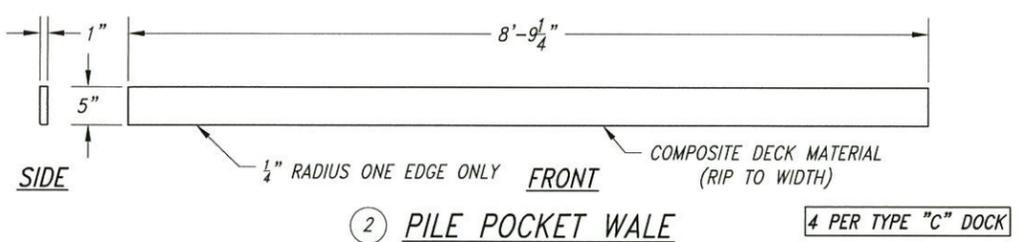
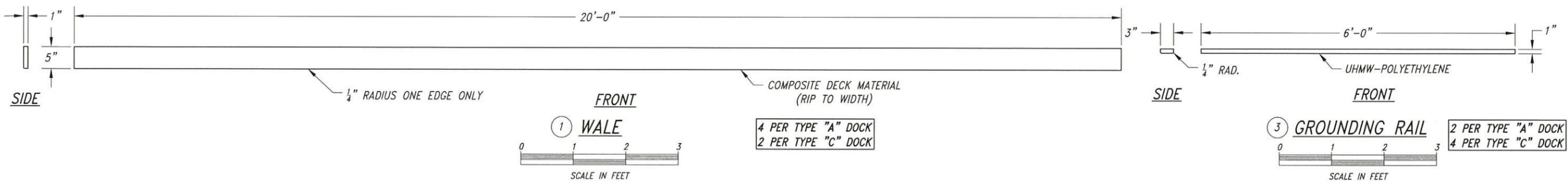
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OSMB	OSMB	1/20/16
FINAL CHECK BY	DRAWN BY	
OSMB	OSMB	



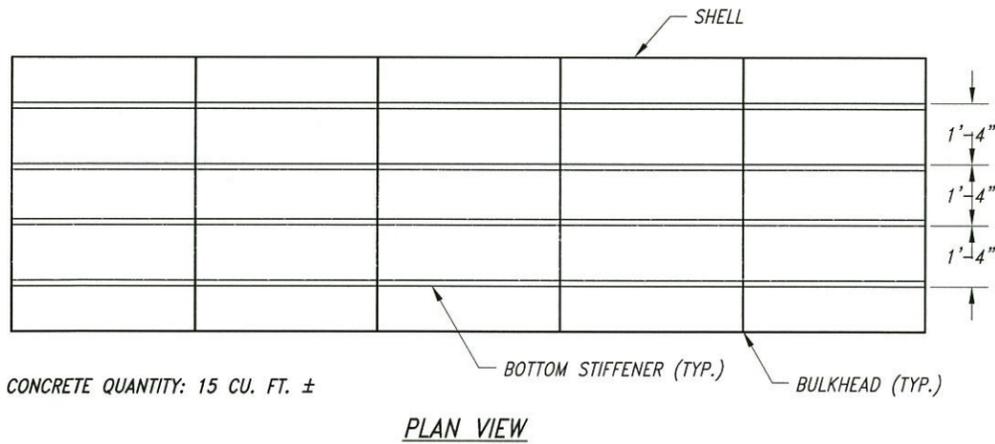
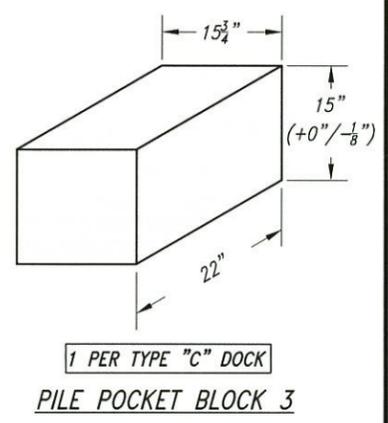
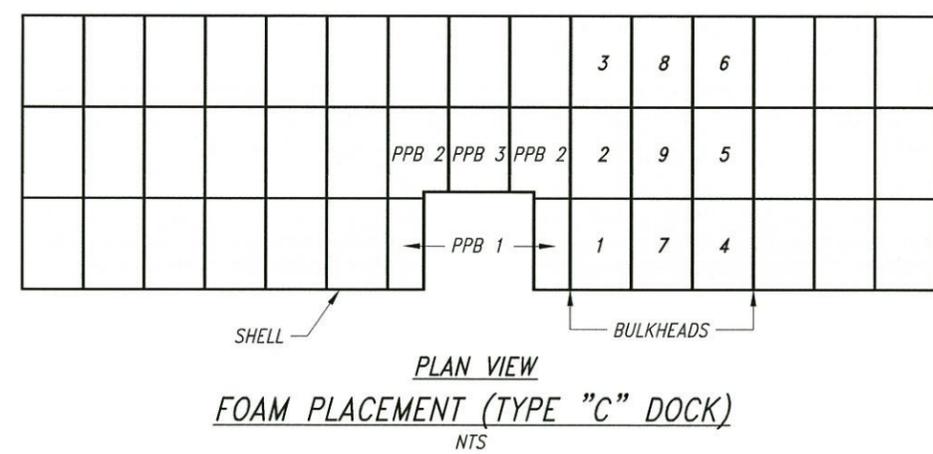
**HINGE BARREL ASSEMBLY DETAILS**  
AT CEDAR OAK BOAT RAMP, WILLAMETTE RIVER MILE 23.2  
FOR THE CITY OF WEST LINN

**OREGON STATE MARINE BOARD**

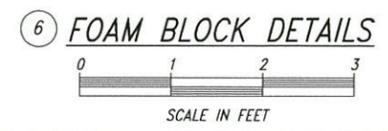
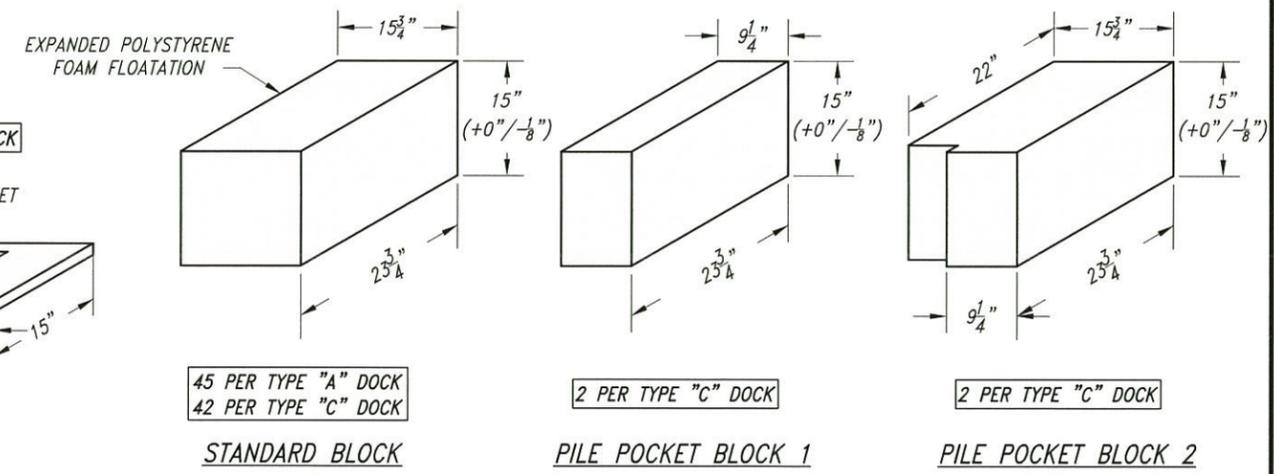
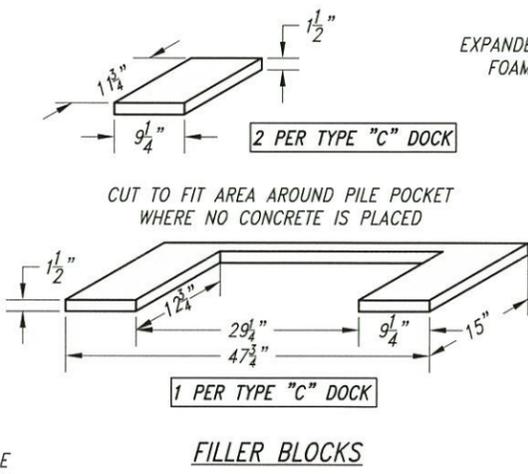
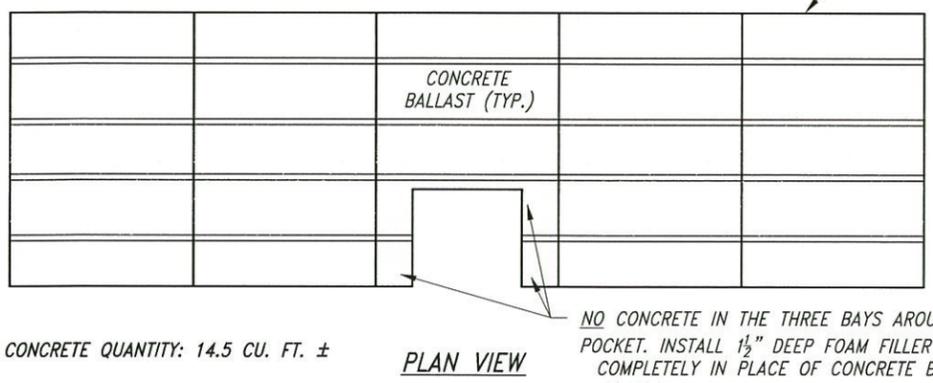
**AS ADVERTISED**



9 BLOCKS PER BAY BETWEEN BULKHEADS. PLACE PER SEQUENCE SHOWN (6 BLOCKS AGAINST BULKHEADS FIRST, THEN 2 BLOCKS AGAINST SHELL SIDES, THEN CENTER BLOCK LAST).



PLACE CONCRETE BALLAST FLUSH WITH TOP OF BOTTOM STIFFENERS (1/2" DEPTH) IN ALL BAYS. APPLY BARRIER COATING TO ALL INTERIOR SURFACES IN CONTACT WITH CONCRETE PRIOR TO PLACING CONCRETE.



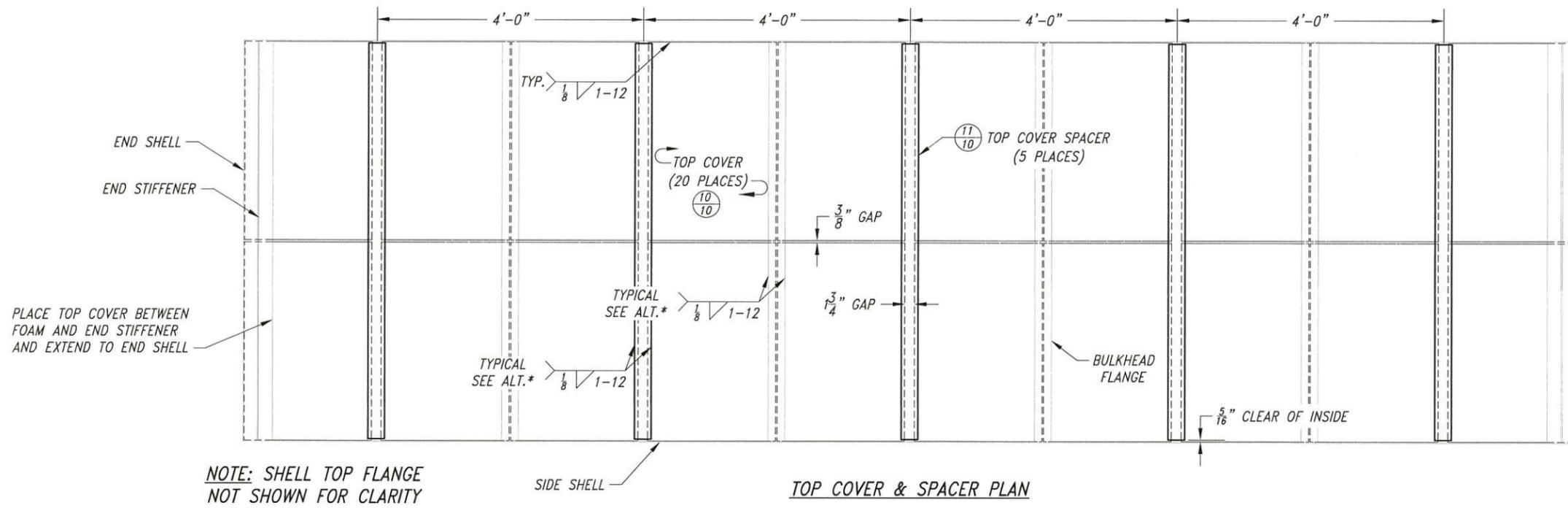
**AS ADVERTISED**

DATE	REVISIONS	BY

APPROVED BOATING FACILITIES MANAGER  
FINAL CHECK BY  
DESIGNED BY OSMB  
DRAWN BY OSMB  
DATE 1/20/16



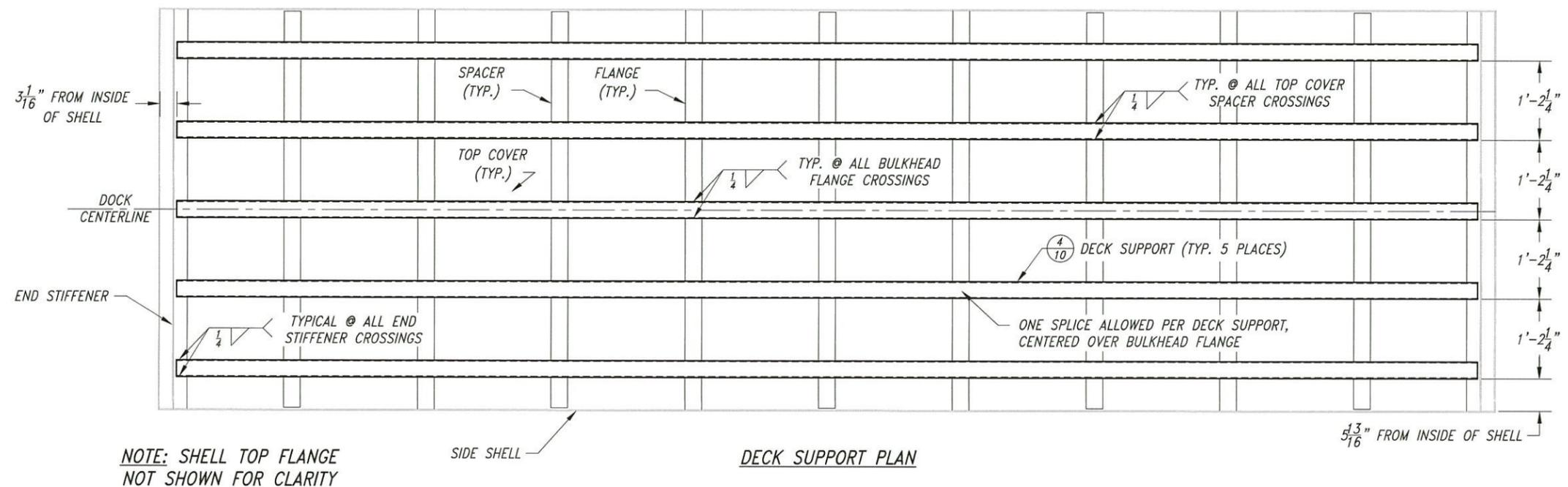
**OREGON STATE MARINE BOARD**  
FOAM, CONCRETE, WALE DETAILS (TYPE "A" & "C" DOCKS) AT CEDAR OAK BOAT RAMP, WILLAMETTE RIVER MILE 23.2 FOR THE CITY OF WEST LINN



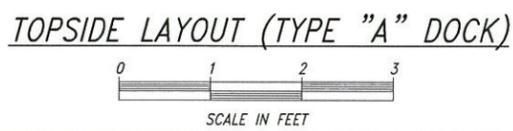
PLACE TOP COVERS ON FOAM WITH ONE EDGE UNDER BULKHEAD FLANGE AND AGAINST BULKHEAD. SLIDE ADJACENT EDGE AGAINST SIDE SHELL. TACK WELD AS SHOWN TAKING CARE TO AVOID/MINIMIZE MELTING OF FOAM. SIDE GAP BETWEEN COVERS WILL BE 1/4" AND END GAP WILL BE 3/8".

CENTER TOP COVER SPACERS OVER SIDE GAP BETWEEN TOP COVERS WITH 5/16" CLEAR FROM SIDE SHELL. TACK WELD AS SHOWN TAKING CARE TO AVOID/MINIMIZE MELTING OF FOAM.

\* AS AN ALTERNATIVE TO TACK WELDING, TOP COVERS MAY BE SCREWED OR RIVETED TO BULKHEAD FLANGES AND SPACERS USING S.S. FASTENERS SPACED 12" O.C.



**NOTES:**  
 1. ALL PLATE, FLAT BAR, AND FORMED SHAPES SHALL BE 5086 ALUMINUM ALLOY PER SPECIFICATIONS.  
 2. ALL ROUND TUBE SHALL BE 6061 ALUMINUM ALLOY PER SPECIFICATIONS.



DATE	REVISIONS	BY

APPROVED BOARDING FACILITIES MANAGER	DESIGNED BY	DATE
<i>[Signature]</i>	OSMB	1/20/16
FINAL CHECK BY	DRAWN BY	
<i>[Signature]</i>	OSMB	

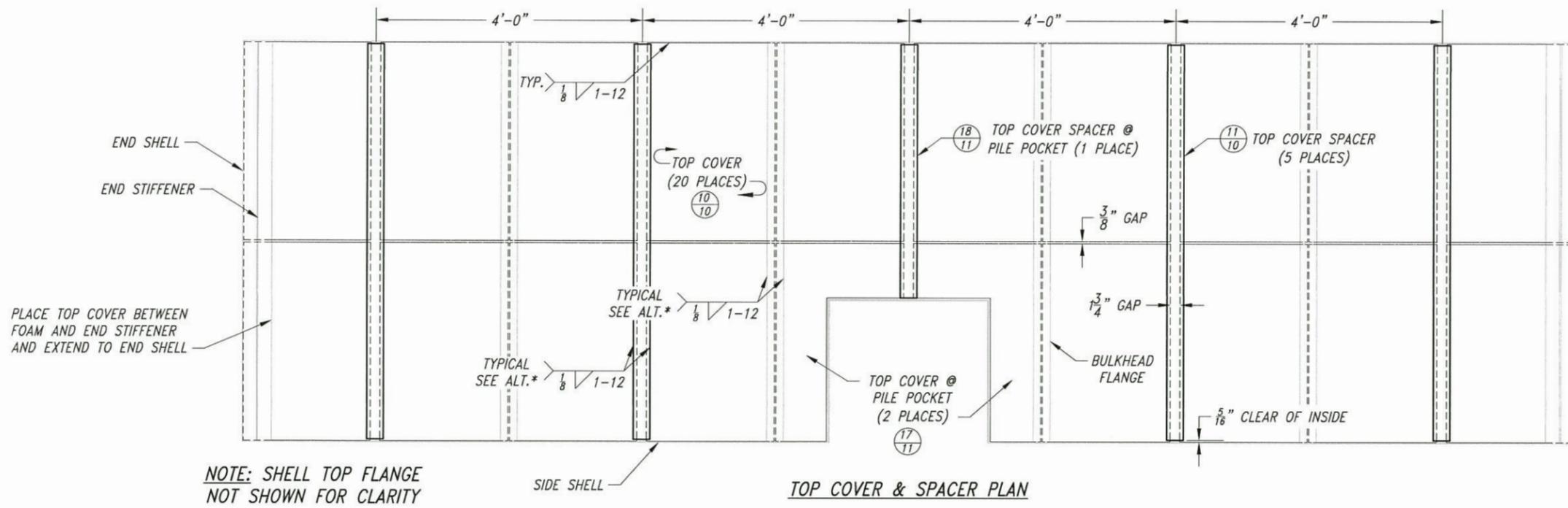


TOPSIDE LAYOUT (TYPE "A" DOCK)  
 AT CEDAR OAK BOAT RAMP, WILLAMETTE RIVER MILE 23.2  
 FOR THE CITY OF WEST LINN

OREGON STATE MARINE BOARD

14 SHEET	20 OF
0313-1496-14 DRAWING NO.	

**AS ADVERTISED**



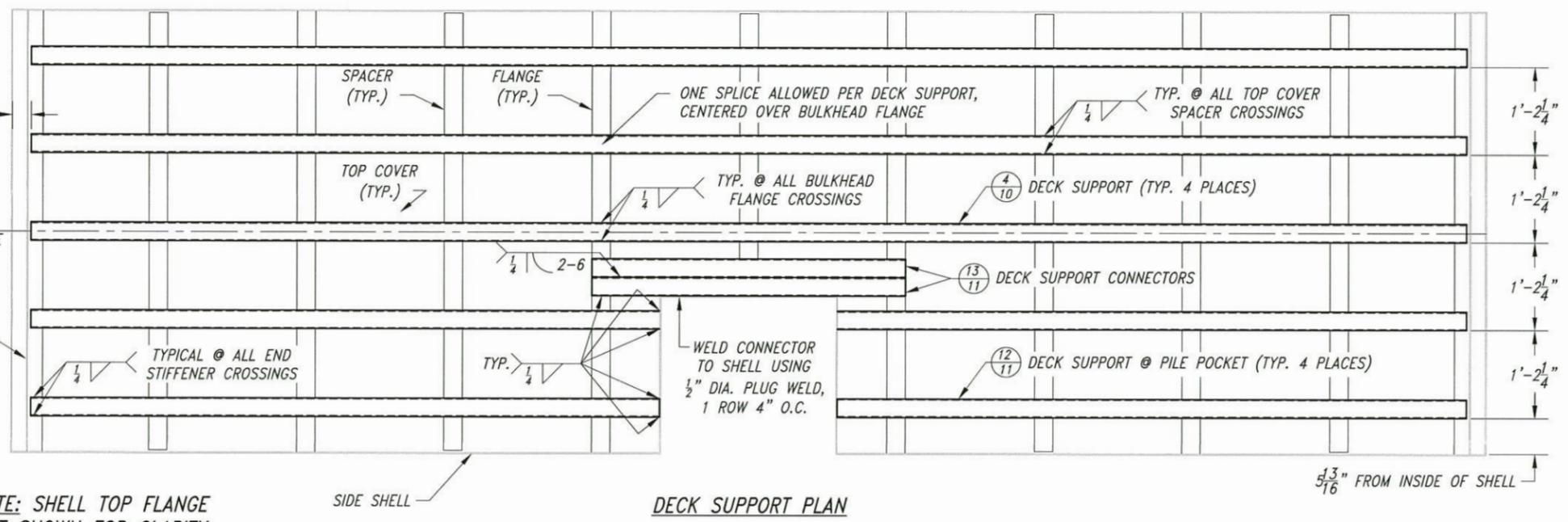
PLACE TOP COVERS ON FOAM WITH ONE EDGE UNDER BULKHEAD FLANGE AND AGAINST BULKHEAD. SLIDE ADJACENT EDGE AGAINST SIDE SHELL. TACK WELD AS SHOWN TAKING CARE TO AVOID/MINIMIZE MELTING OF FOAM. SIDE GAP BETWEEN COVERS WILL BE 1/4" AND END GAP WILL BE 3/8".

CENTER TOP COVER SPACERS OVER SIDE GAP BETWEEN TOP COVERS WITH 5/16" CLEAR FROM SIDE SHELL. TACK WELD AS SHOWN TAKING CARE TO AVOID/MINIMIZE MELTING OF FOAM.

\* AS AN ALTERNATIVE TO TACK WELDING, TOP COVERS MAY BE SCREWED OR RIVETED TO BULKHEAD FLANGES AND SPACERS USING S.S. FASTENERS SPACED 12" O.C.

NOTE: SHELL TOP FLANGE NOT SHOWN FOR CLARITY

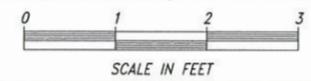
PLACE TOP COVER BETWEEN FOAM AND END STIFFENER AND EXTEND TO END SHELL



NOTE: SHELL TOP FLANGE NOT SHOWN FOR CLARITY

NOTES:  
 1. ALL PLATE, FLAT BAR, AND FORMED SHAPES SHALL BE 5086 ALUMINUM ALLOY PER SPECIFICATIONS.  
 2. ALL ROUND TUBE SHALL BE 6061 ALUMINUM ALLOY PER SPECIFICATIONS.

TOPSIDE LAYOUT (TYPE "C" DOCK)



DATE	REVISIONS	BY

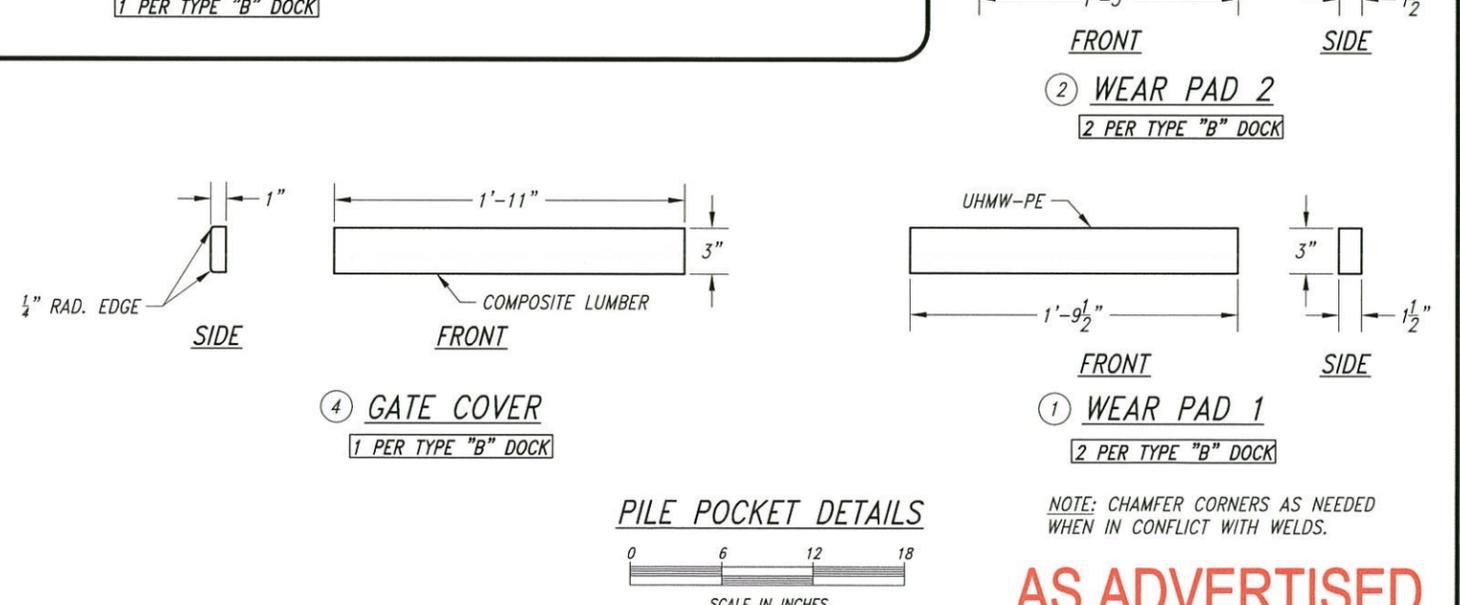
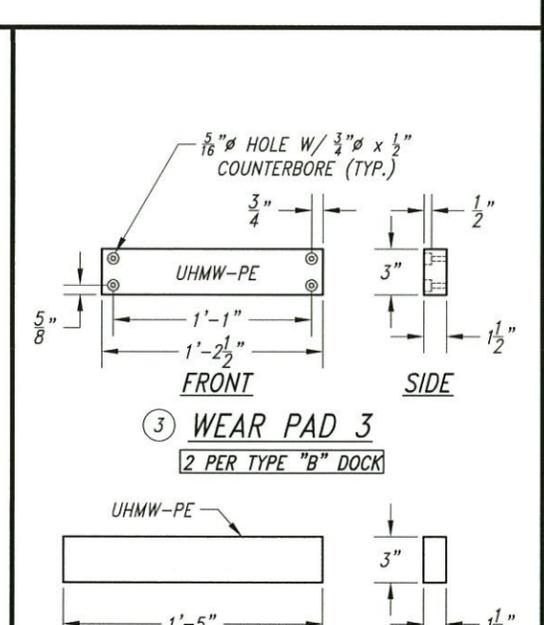
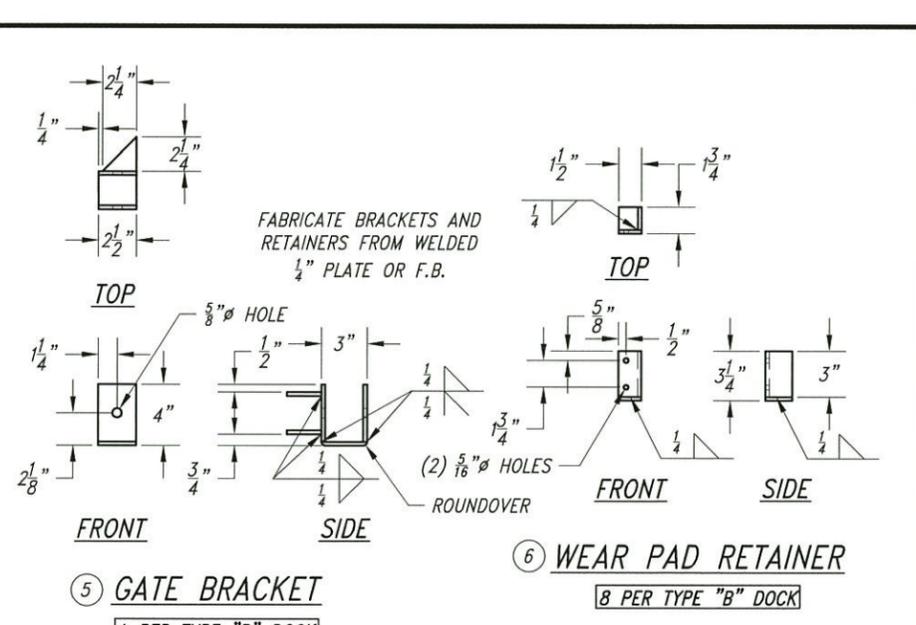
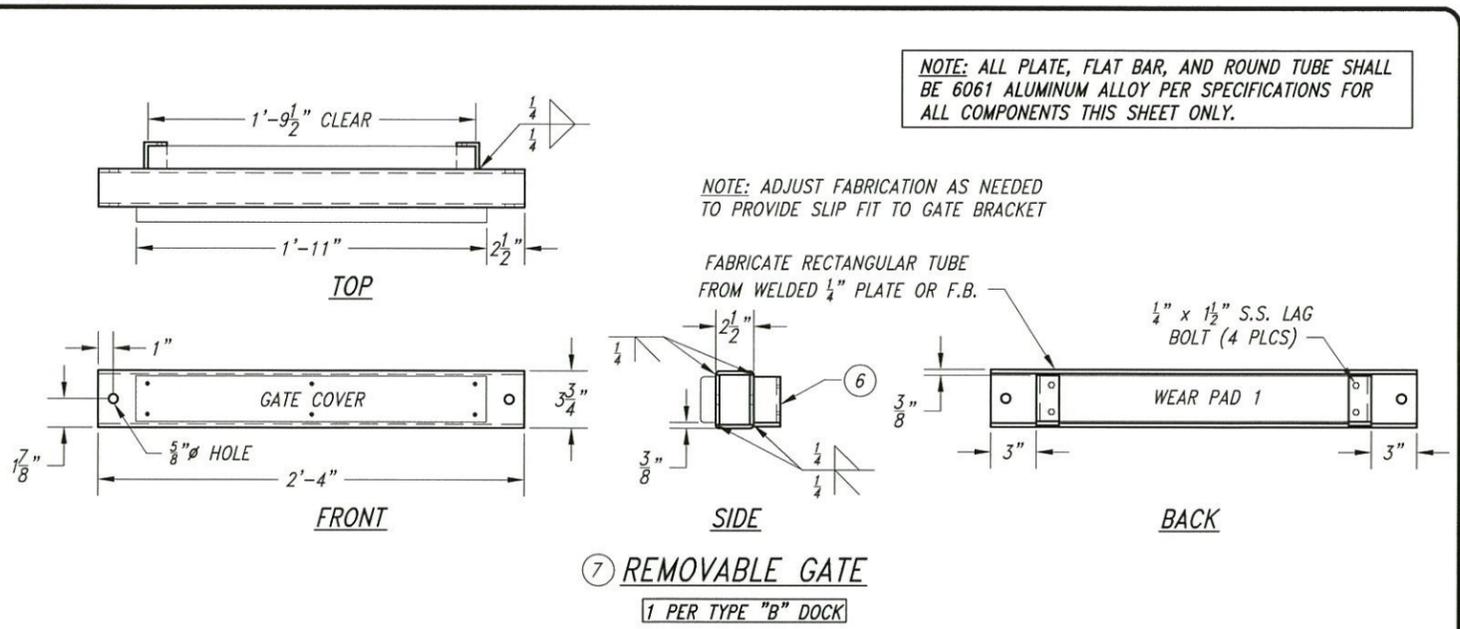
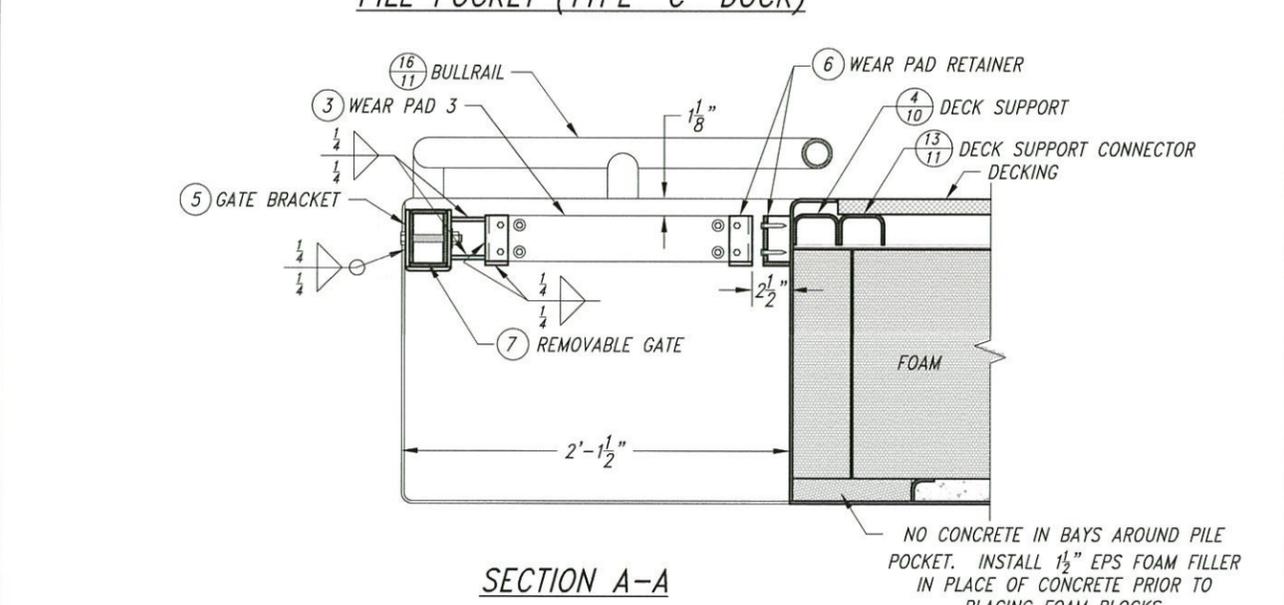
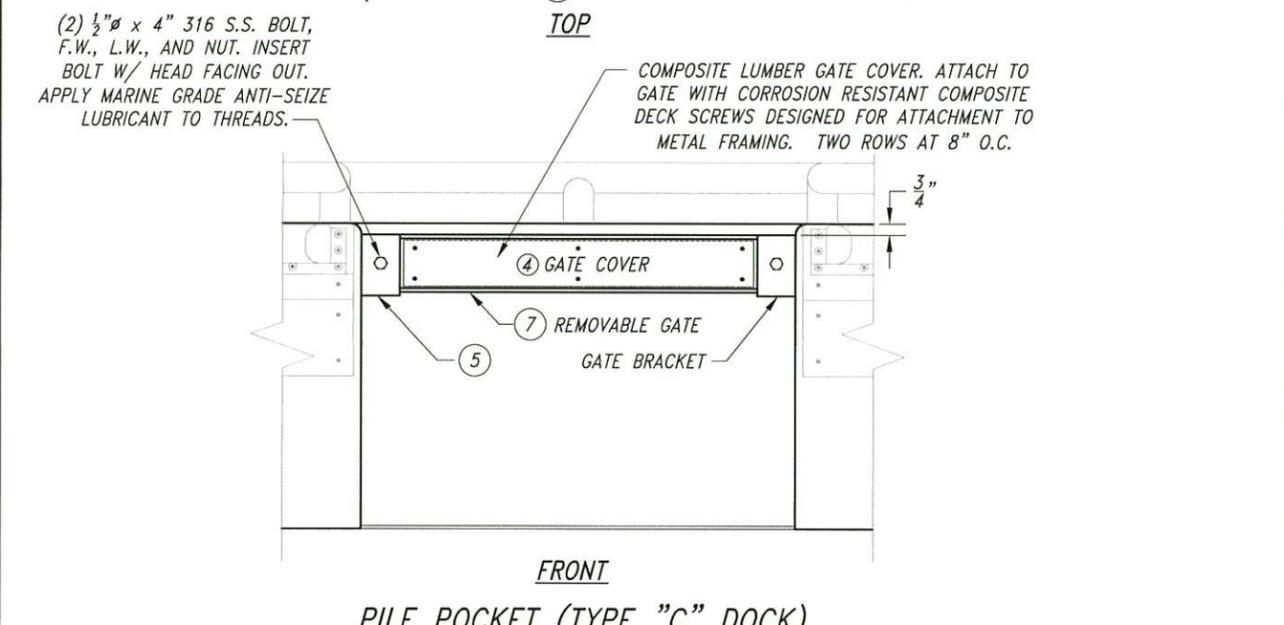
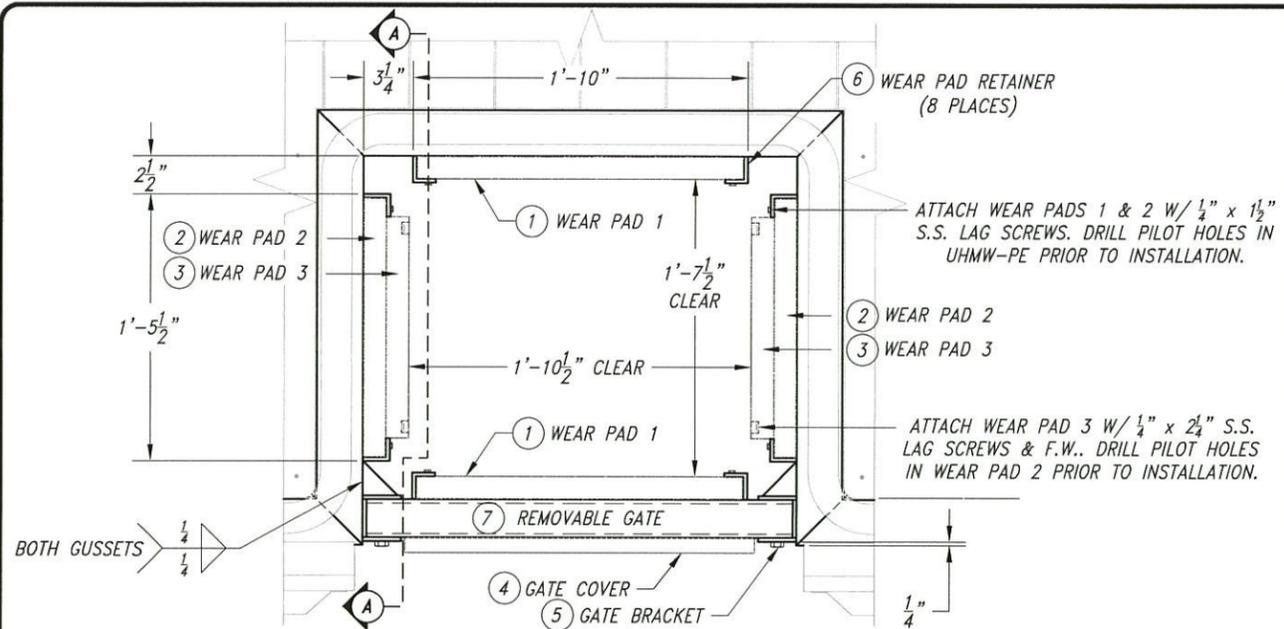
APPROVED BOATING FACILITIES MANAGER  
 DESIGNED BY OSMB  
 DRAWN BY OSMB  
 DATE 1/20/16



TOPSIDE LAYOUT (TYPE "C" DOCK)  
 AT CEDAR OAK BOAT RAMP, WILLAMETTE RIVER MILE 23.2  
 FOR THE CITY OF WEST LINN

OREGON STATE MARINE BOARD

AS ADVERTISED



BY	
REVISIONS	
DATE	

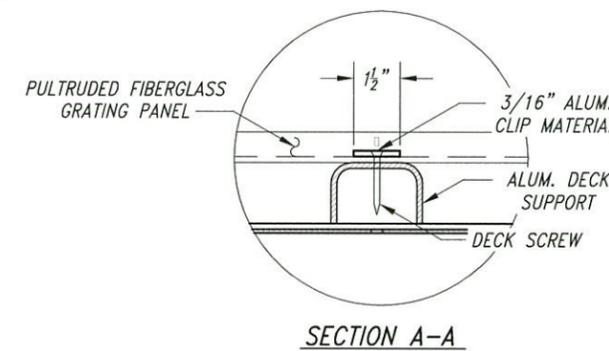
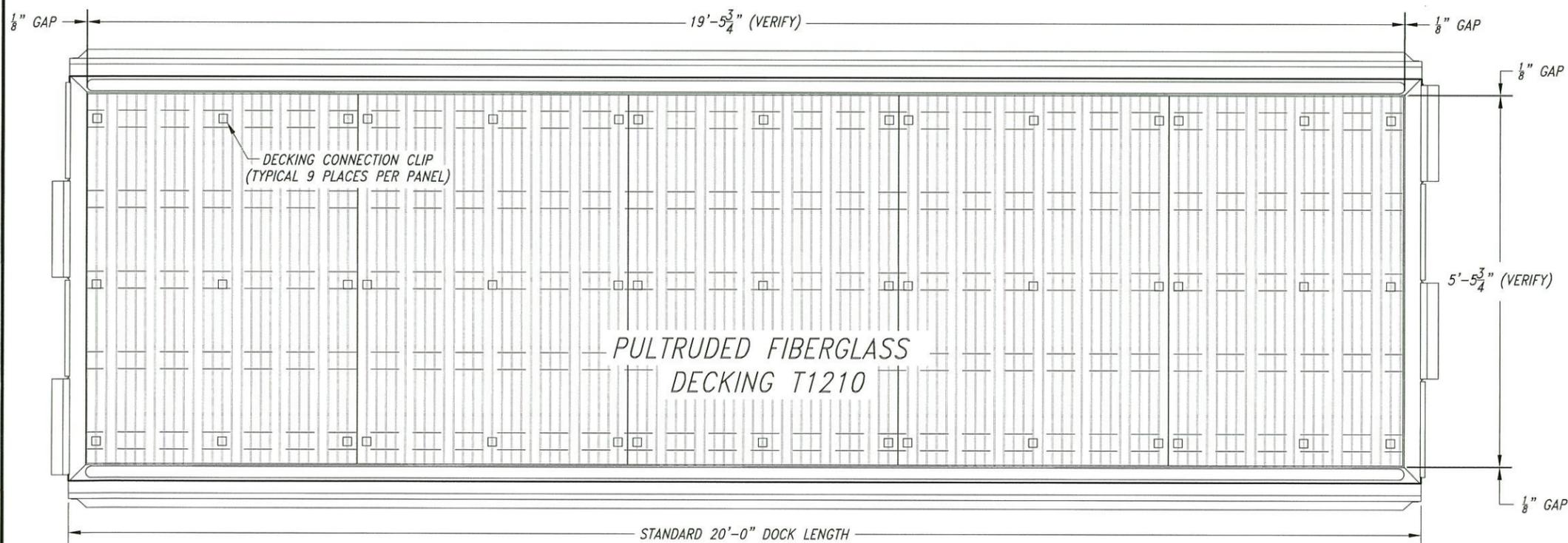
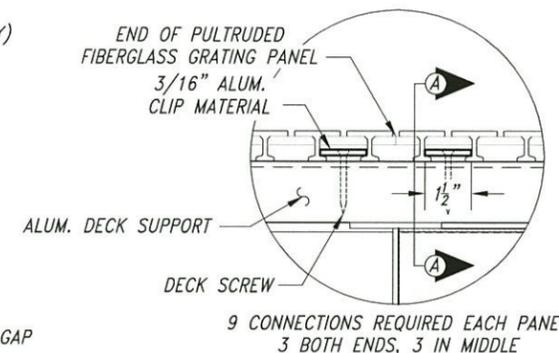
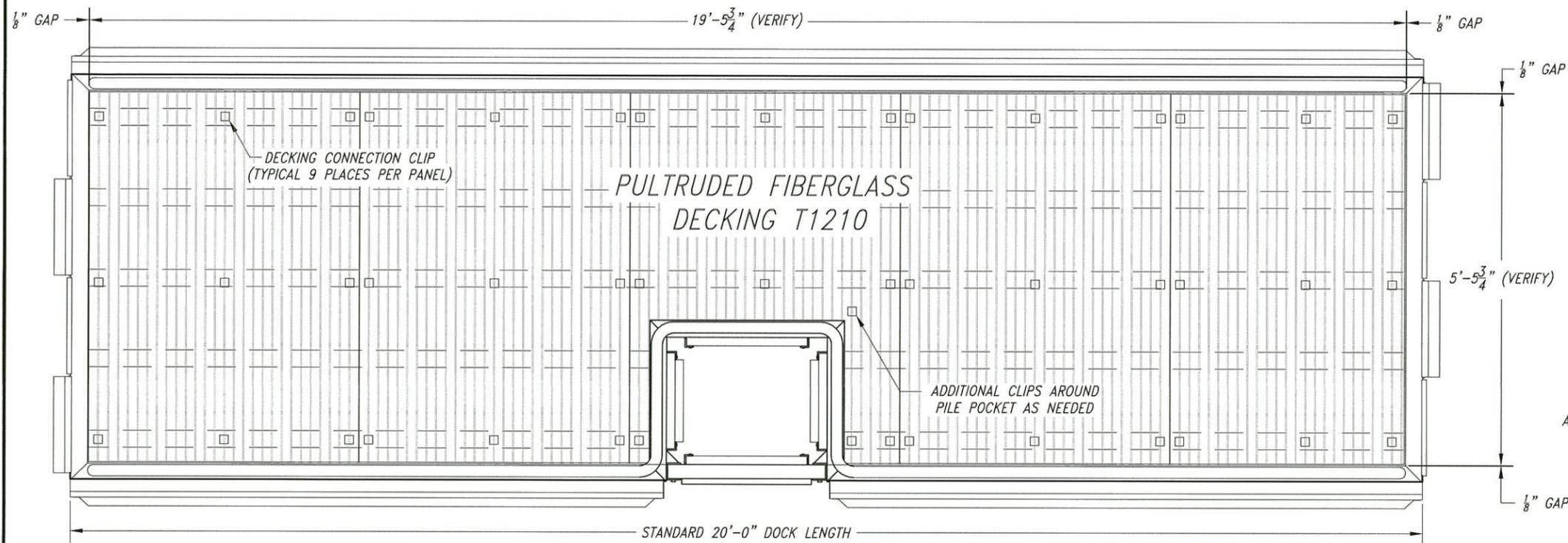
APPROVED BY	OSMB	1/20/16
DESIGNED BY	OSMB	DATE
DRAWN BY		



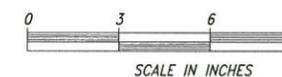
PILE POCKET DETAILS (TYPE "C" DOCK)  
 AT CEDAR OAK BOAT RAMP, WILLAMETTE RIVER MILE 23.2  
 FOR THE CITY OF WEST LINN  
 OREGON STATE MARINE BOARD  
 16 SHEET OF 20  
 0313 - 1496 - 16  
 DRAWING NO.



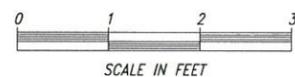




DECKING CONNECTION DETAILS



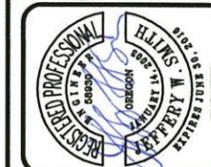
PULTRUDED FIBERGLASS DECKING LAYOUTS



AS ADVERTISED

DATE	REVISIONS	BY

APPROVED BOATING FACILITIES MANAGER	OSMB	1/20/16
DESIGNED BY	OSMB	DATE
DRAWN BY	OSMB	DATE



FIBERGLASS DECK PANEL DETAILS  
AT CEDAR OAK BOAT RAMP, WILLAMETTE RIVER MILE 23.2  
FOR THE CITY OF WEST LINN

OREGON STATE MARINE BOARD

20	20
SHEET	OF
0313-1496-20	
DRAWING NO.	