



## Alabama State Port Authority *Requisition and Proposal*

**Project Name** Pier 8 Bollard Addition

Project No. 11105 Task No. 02

**To:** Prospective Bidders

**Date:** October 20, 2022

Please procure the following and deliver to the address below:

<u>Delivery of Proposal:</u> Alabama State Port Authority (ASPA) Location identified below in Note #1	<u>Delivery of Performance of Work:</u> Alabama State Port Authority Main Docks Pier 8 Mobile, AL
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### Description of Work

This Requisition solicits proposals for construction services to remove a portion of the Pier 8 slab and replace with a new concrete pedestal for mounting a bollard as specified in the attached drawings and scope of work. All work shall be in accordance with the requirements stated herein, Scope of Work Specifications, Reference documents and drawings, Insurance Requirements and applicable State of Alabama and Federal Laws. The project site is located at Pier 8 on the Alabama State Port Authority Main Docks facility in Mobile, AL.

The work consists principally of providing bonds, labor, materials, equipment, insurance, and supervision necessary for the removal of a concrete slab section, constructing a new concrete pedestal, installation of a new bollard and disposal of all removed materials associated with the work. The new bollard and all mounting hardware will be new materials and owner furnished. All materials, labor, tools, rigging and equipment necessary to perform the work shall be included by the Contractor in the proposal. It is the Contractor's responsibility to field verify all dimensions and site conditions essential for the successful completion of the work. The Contractor shall not be entitled to any additional compensation for any work or expense resulting from the neglect of verifying all existing site conditions.

All Contractors submitting bids are to carefully examine the site of the proposed work and thoroughly review the contract requirements prior to submission of a bid proposal. Each Bidder shall satisfy oneself as to the character, quality, and quantities of work to be performed, and as to the requirements of the proposed contract. The submission of a proposal shall be proof that the bidding Contractor has made such examination and is satisfied as to the conditions to be encountered in performing the work and as to the requirements of the proposed Contract. All bidding Contractors must hold a current license from the State Licensing Board for General Contractors, Montgomery, AL with the classification of **(H/RR) Heavy/Railroad, (H/RR-S) Piers or (H/RR-S) Specialty Construction-Marine Construction, (H/RR-S) Concrete.**

An OPTIONAL pre-bid meeting is scheduled for Tuesday, November 1, 2022, at 2:00 p.m. at the north end of Pier 8 on the Main Docks Facility. **All bidders without proper access credentials must contact the project manager at least 24 hours in advance to set up an escort into the facility.** Electing to not visit the site before bidding will not relieve the prospective bidders from the previously stated requirements regarding the submission of a proposal.

The work performed under this contract shall not commence until the Contractor has submitted a Performance Bond, Labor & Material Bond, and Certificate of Insurance in an acceptable form. Performance Bond and Labor & Material Bonds shall be in an amount equal to 100% of the contract



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price; Certificate of Insurance shall be as per the attached requirements and countersigned by a licensed resident agent in the State of Alabama.

The Contractor shall comply with all Federal and State laws, local ordinances and regulations, and all orders and decrees of bodies or tribunals having any jurisdiction or authority, which in any manner affect those engaged or employed on the work, or which in any way affect the conduct of the work.

The Contractor will be required to complete the work under the Contract within 30 calendar days after receipt of a "Notice to Proceed". Work will start within 10 calendar days after receipt of notice to proceed. The work will have to be scheduled and performed in a manner that will not interfere with the operations of the facility ongoing in the immediate and adjacent areas. ASPA intent is that work hours will be during normal day light hours.

ASPA cargo handling operations take priority over construction activities, therefore the Contractor will be required to schedule his operations as necessary to facilitate marine vessel berthing. ASPA Operations will make every effort to inform the Contractor of the vessel berthing schedule as far in advance as possible. For information purposes only, vessels berth in this location approximately 2-3 times per month. The work area is directly adjacent to active wharfs with marine and land activity in the general vicinity of the work area, thus the Contractor must coordinate closely with ASPA Engineering and Operations personnel to schedule work activities to ensure that they do not interfere with normal operations. The Contractor shall plan work activities in such a way as to keep the maximum amount of wharf area orderly and accessible during all phases of the project. The Contractor must provide a high visibility temporary barrier to delineate the limits of construction activities on the berth at all times. The Contractor must capture and dispose of all waste materials generated by the construction activities. No debris will be allowed to fall into the water below. The Contractor is responsible for the disposal of all waste materials associated with the work.

The Contractor shall place a competent superintendent on the Project who shall have experience in the work being performed under the Contract. The assigned superintendent shall have the responsibility for the day-to-day operations of the work and shall remain on the Project site while the work under the Contract is being performed. It is the responsibility of the Contractor to become familiar with all conditions affecting the nature and manner of the work.

The Contractor will agree to comply with the safety rules, standards and regulations of the Federal Occupational Safety and Health Administration (OSHA) applicable to each of its operations, and to those established and recommended safety standards inherent in the industry; and to comply with U.S. Coast Guard regulations applicable to waterfront facilities and the policies of the Alabama State Port Authority while occupying any property of the Alabama State Port Authority.

The Alabama State Docks is a full time operating facility; operating 24 hours a day, 365 days a year, including nights, weekends and holidays. The successful Contractor will be required to familiarize itself with and conform to all Port safety requirements and procedures.

Time is an essential element in the contract. As the prosecution of the work will inconvenience the tenant and interfere with business, it is important that the work be pressed vigorously to completion.



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Also, the cost to the Alabama State Port Authority of the administration of the contract, supervision, inspection and engineering will be increased as the time occupied in the work is lengthened. Therefore, exclusive of Sundays and national holidays, for each day that the work remains incomplete after the time specified, an amount of \$200.00 shall be paid by the contractor to the Alabama State Port Authority as liquidated damages for the loss sustained by the State because of failure of the contractor to complete the work within the specified time.

#### **IMPORTANT NOTICE TO BIDDERS REGARDING ACCESS TO ASPA RESTRICTED FACILITIES:**

The Alabama State Port Authority's Access Policy is provided on the ASPA website and in the links below:

<https://www.alports.com/port-access/>

ALL persons working on this project are REQUIRED to have valid access credentials to include: 1) A TWIC Card, 2) ASPA Badge, and 3) ASPA Vehicle Decal.

#### **IMPORTANT NOTICE TO BIDDERS REGARDING EMPLOYMENT PRACTICES:**

Effective October 1, 2011, the Beason-Hammon Alabama Taxpayer and Citizen Protection Act ("the Act") requires that any business entity contracting with or providing any grant or incentives to the state, including the Alabama State Port Authority, certify compliance with the Act. All Bidders must certify such compliance by executing the enclosed Certificate of Compliance and returning it to the Alabama State Port Authority with your bid package along with proof of the contractor's enrollment in the e-verify program. The following E-Verify website link is provided for convenience:

[http://www.dhs.gov/files/programs/gc\\_1185221678150.shtm](http://www.dhs.gov/files/programs/gc_1185221678150.shtm).



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<b>Contractor's Proposal</b>				
The Contractor hereby agrees to perform the specified work for the prices outlined in the following schedule. All items listed shall be performed in accordance with this requisition and proposal and all referenced documents.				
Description	Est Qty	UOM	Unit Price	Value
1. Mobilization	1	LS	LS	\$ _____
2. Bonds and Insurance.	1	LS	LS	\$ _____
3. Removal and Disposal work as specified in the attached drawings and scope of work.	1	LS	LS	\$ _____
4. Construct reinforced concrete pedestal as specified in the attached drawings and scope of work specifications.	1	LS	LS	\$ _____
5. Install owner supplied bollard and hardware as specified in the attached drawings and scope of work specifications.	1	LS	LS	\$ _____
6. Demobilization	1	LS	LS	\$ _____
<b><u>TOTAL BID</u></b>				\$ _____

### NOTES:

1. Sealed bid proposals will be received via courier to the Alabama State Port Authority, 1400 Alabama State Docks Blvd, Suite 216, Administration Building, Mobile, AL 36602 by 1:30 P.M. on Thursday, November 10, 2022. Sealed bid proposals can also be hand delivered to the Killian Room starting at 15 minutes prior to the official bid opening at 2:00 PM on Thursday, November 10, 2022, at the Alabama State Port Authority in the International Trade Center building, 250 North Water Street, 1<sup>st</sup> floor—Killian Room, Mobile, AL. No bids will be accepted after 2:00 P.M. No faxed or electronic bids will be accepted. Conditional bids will not be accepted.
2. Bid proposals must be submitted in sealed envelopes with the words "**Bid Document Enclosed**" clearly marked on the outside of the envelope. Sealed bids shall have **the bidder's name, contractor's license number, project name, and time and date of bid opening shown on the outside of the envelope.**
3. A Bid Bond or Certified Check made payable to the Alabama State Port Authority and equal to five percent (5%) of the amount bid, not to exceed \$10,000, must accompany the Bid Proposal.
4. Authority reserves the right to refuse to issue a proposal form or a contract to a prospective bidder for any of the following reasons:
  - a) Failure to pay, or satisfactorily settle, all bills due for labor and materials on former contract in force with the Authority.
  - b) Contractor default under previous Contract with the Authority.





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- c) Proposal withdrawal or Bid Bond forfeiture on previous project with the Authority.
- d) Unsatisfactory work on previous contract with the Authority.
- e) Lack of competency, past experience, adequate machinery or lack of personnel.
5. Authority may make such investigations as deemed necessary to determine the ability of the bidder to perform the work, and the bidder shall furnish all such information and data for this purpose as the Authority may request. The Authority reserves the right to reject any bid if the evidence submitted by, or investigation of, such bidder fails to satisfy the Authority that such bidder is properly qualified to carry out the obligations of the Contract.
6. The Owner may terminate the contract, or any portion thereof, for just cause by written notice to the Contractor. If the contract, or any portion thereof, is terminated before completion of all items of work in the contract, payment will be made for the actual number of units or items of work completed or started. No claims for loss of anticipated profits will be considered.
7. If the Contractor to whom this contract is awarded does not provide adequate service or workmanship, ASPA reserves the right to cancel the contract and re-bid this work excluding that Contractor from consideration.
8. Any questions regarding the procurement should be directed to Mike Thompson, Project Manager, at phone number (251) 441-7224 or email mike.thompson@alports.com.
9. The right is reserved, as the interest of the Alabama State Port Authority may require, to reject any and all bids and to waive informalities in bids received.
10. The Contractor must provide a high visibility temporary barrier to delineate the limits of construction activities on the berths at all times.
11. The cost of all items ancillary to the project shall be absorbed into the cost of the bid items. No separate payment shall be made for these items.

### SIGNATURES

Receipt of following addendums is acknowledged:

Addendum No. \_\_\_\_\_  
Addendum No. \_\_\_\_\_  
Addendum No. \_\_\_\_\_  
Addendum No. \_\_\_\_\_

### REFERENCED DOCUMENTS

- Alabama State Port Authority – Insurance Requirements for Contract Work
- Certificate of Compliance with the Beason-Hammon Alabama Taxpayer & Citizen Protection Act
- Reference Photos
- Reference Drawings 4536B-G0, 4536B-S1, 4536B-S2 and 4536B-S3.
- Reference Drawings – Original Contract Drawings, For Information Only, 11 Total



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Contractor's Signature:

Contractor

Company \_\_\_\_\_

\_\_\_\_\_  
**Name**

\_\_\_\_\_  
**Title**

\_\_\_\_\_  
**Date**

Signature of Party Originating Requisition:

*Michael Thompson*

10/20/2022

Mike Thompson,  
Project Manager

Date



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### **SCOPE OF WORK SPECIFICATIONS**

#### **SECTION 501 GENERAL PROVISIONS**

The following detail Specifications, taken in conjunction with the Drawings, describe the work to be performed by the Contractor. They amplify and explain most items in connection with the work, but do not alter the scope of same as described elsewhere in this requisition.

All materials used in the work, which are not described specifically, shall be of the best quality that it is customary to employ in construction of the character involved. The following details are not necessarily complete in the description of all items entering into the work, but are intended to furnish a basis for acceptance of the more important items. Other details shall be consistent with them.

Any detail which may be incomplete or lacking in the drawings and specifications shall not constitute claim for extra compensation. Such detail shall be supplied by the Contractor and submitted to the Engineer in advance of its requirement on the job. The true intent of the plans and specifications is to produce a complete working system and incomplete detail will not abrogate this intent.

It is the intent to follow the Drawings and Specifications closely in all details, elevations, dimensions, etc., but it is understood that alterations may be required to conform to local conditions and that such alterations must be of the same character of construction as that specified. Workmanship shall be of the best quality in each class of work.

#### **SECTION 502 SUMMARY OF THE WORK**

##### **502-01 SUMMARY**

This section includes work covered by the Contract Documents and identifies the work sequence.

##### **502-02 WORK COVERED BY THE CONTRACT DOCUMENTS**

The work consists of the following:

1. Mobilization of supplies, equipment and personnel to site for project execution.
2. Removal and Disposal work as specified in the attached drawings and scope of work.
3. Construct a new reinforced concrete pedestal as specified in the attached drawings and scope of work.
4. Install owner supplied bollard and hardware.
5. Demobilization from site.

##### **502-03 WORK SEQUENCE**

Insofar as practical, the order of work will be as scheduled by the Contractor and approved by the Project Manager. The Contractor is required to submit a tentative schedule detailing the sequence of events and time frame for Contractor's activities. Contractor's attention is directed to the fact that the facility's cargo handling operation is a priority item, therefore, close coordination with ASPA Operations and the Project Manager is required.



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#### **502-04 ACCESS FOR EQUIPMENT AND TRAFFIC**

It is ASPA's intent to have full use of berth surface area for storage, traffic, and cargo handling operations during the life of this contract, thus it will be necessary for the Contractor to coordinate his operations and make suitable provisions to accommodate such. Interruption or restriction of cargo handling operations will not be permissible.

#### **502-05 VERIFICATION OF EXISTING CONDITIONS**

It is necessary for the Contractor to verify all existing conditions affecting the work. The Contractor is to familiarize self with all aspects of the project, particularly existing conditions, elevations, and surrounding activities.

#### **502-06 ORDER OF WORK**

It is essential that ASPA utilize its berth and warehouse space in the most efficient manner practical. Therefore, the Contractor work described within these Specifications must be completed within the time allotment given. The Contractor shall so schedule his operations to complete the work accordingly.

### **SECTION 503 REMOVAL WORK**

#### **503-01 SCOPE**

This section covers the removal of all concrete within the limits. This shall include any minor items which may not be shown or specified herein, but which are found to interfere with replacement work.

#### **503-02 PROTECTION OF EXISTING STRUCTURES**

The removal and disposal work required under this Contract shall be performed in such a manner so as not to damage any existing structures and any damage thereto by the Contractor's operation shall be repaired by the Contractor at no cost to ASPA. The load capacity of the existing pile-supported wharf and slab on grade is estimated at 1000 psf for uniformly distributed loads over surface. The Contractor shall take necessary precautions to avoid overloading this structure.

#### **503-03 REMOVAL OF CONCRETE**

All removed material shall become property of the Contractor and shall be disposed outside ASPA property in accordance with all governing laws and regulations.

### **SECTION 504 REINFORCED CONCRETE PEDESTAL**

#### **504-01 SCOPE**

The work covered by this section shall consist of furnishing all plant, labor, materials, tools, equipment, and incidentals necessary for the installation a new reinforced concrete pedestal as indicated on the referenced drawings and/or specified herein.

#### **504-02 GENERAL**

The Contractor shall visit the premises to thoroughly familiarize self with all details of the work and working conditions, to completely survey and verify all dimensions in the field, and to advise the Project Manager of any discrepancies.



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Complete shop drawings showing exact field dimensions shall be submitted to the Project Manager for review before fabrication. The Contractor shall be responsible for all errors of detailing, fabrication, and for correct fitting of the fender system.

#### **504-03 MATERIALS**

All materials shall be new and conform to the following:

- A. Cast-in-Place Concrete shall attain a minimum compressive strength of 5000 PSI at 28 days.
- B. Reinforcing Bars shall be deformed and shall conform to ASTM A615, Grade 60.
- C. Grout Material Under Bollard shall be prepackaged, cementitious, non-shrink, non-metallic grout.
- D. Epoxy Material for Drilled and Grouted Reinforcement shall be Hilti RE-500 or approved equal.
- E. Concrete Bonding Agent shall be SIKA SIKADUR-32 HI-MOD or approved equal.
- F. Bollard and Hardware shall be furnished by ASPA.
- G. Bollard Paint shall have an intermediate coat, Macropoxy 646 Fast Cure Epoxy, and a top coat, Acrolon 218 HS Acrylic Polyurethane, to match existing bollards.

#### **SECTION 505 REFERENCED DRAWINGS**

##### **505-01 LIST OF DRAWINGS**

- Reference Drawing 4536B-G0 – Pier 8 Bollard Addition, Project Cover Sheet and Drawing Index
- Reference Drawing 4536B-S1 – Pier 8 Bollard Addition, Enlarged Plan and Demo
- Reference Drawing 4536B-S2 – Pier 8 Bollard Addition, Sections and Details
- Reference Drawing 4536B-S3 – Pier 8 Bollard Addition, Bollard Details
- Reference Drawings – Original Contract Drawings, For Information Only (11 Total)

## **ALABAMA STATE PORT AUTHORITY** **INSURANCE REQUIREMENTS FOR CONTRACT WORK**

### **INDEMNIFICATION**

The Contractor shall assume all liability for and shall indemnify and save harmless the State of Alabama and the Alabama State Port Authority, doing business as Alabama State Docks (ASD), and its officers and employees from all damages and liability for injury to any person or persons, and injury to or destruction of property, including the loss of use thereof, by reason of an accident or occurrence arising from operations under the contract, whether such operations are performed by himself or by any subcontractor or by anyone directly or indirectly employed by either of them occurring on or about the premises, or the ways and means adjacent during the term of the contract, or any extension thereof, and shall also assume the liability for injury and/or damages to adjacent or neighboring property by reason of work done under the contract.

### **INSURANCE REQUIREMENTS**

The Contractor shall not commence work under the contract until he has obtained all insurance required under the following paragraphs and until such insurance has been approved by ASD, nor shall the Contractor allow any subcontractor to commence work until all similar applicable insurance has been obtained by the subcontractor or the Contractor has provided coverage for the subcontractor. The Contractor shall provide, at his expense, insurance in accordance with the following:

#### **General Requirements (applicable to all policies)**

All policies of insurance must be written with companies acceptable to ASD. The Contractor shall furnish to ASD certificates of insurance, signed by the licensed agent, evidencing required coverages. ASD reserves the right to require certified copies of any and all policies. Each policy of insurance shall provide, either in body of the policy or by endorsement, that such policy cannot be substantially altered or cancelled without thirty (30) days' written notice to ASD and to the insured. **Except for Workers Compensation, said policies will identify Alabama State Port Authority, its officers, officials, agents, servants and employees as Primary and Non-contributory Additional Insureds in connection with work performed for, on behalf of, or on the property of ASD.**

#### **Commercial General Liability**

The Contractor shall take out and maintain during the life of the contract Commercial General Liability insurance, including Blanket Contractual and Completed Operations coverages, in an amount not less than \$2,000,000 for any one occurrence for bodily injury, including death, and property damage liability.

#### **Business Automobile Liability**

The Contractor shall take out and maintain during the life of the contract Business Automobile Liability insurance covering any auto in an amount not less than \$1,000,000 for any one occurrence for bodily injury, including death, and property damage liability.

#### **Workers Compensation**

The Contractor shall take out and maintain during the life of the contract Workers Compensation and Employers Liability insurance providing coverage under the Alabama Workers Compensation Act in an amount not less than that required by Alabama law.

Where applicable, Contractor shall take out and maintain during the life of the contract insurance providing coverage as required by Federal statute, including but not limited to U.S. Longshoremen and Harborworkers' Compensation Act (USL&H), Jones Act, and Railroad Federal Employers Liability Act (FELA).

State of \_\_\_\_\_

County of \_\_\_\_\_

**CERTIFICATE OF COMPLIANCE WITH THE BEASON-HAMMON ALABAMA TAXPAYER AND CITIZEN PROTECTION ACT (ACT 2011-535, as amended by Act 2012-491)**

DATE: \_\_\_\_\_

RE Contract/Grant/Incentive (describe by number or subject):

\_\_\_\_\_ by and between  
\_\_\_\_\_ (Contractor/Grantee) and  
\_\_\_\_\_ (State Agency, Department or Public Entity)

The undersigned hereby certifies to the State of Alabama as follows:

1. The undersigned holds the position of \_\_\_\_\_ with the Contractor/Grantee named above, and is authorized to provide representations set out in this Certificate as the official and binding act of that entity, and has knowledge of the provisions of THE BEASON-HAMMON ALABAMA TAXPAYER AND CITIZEN PROTECTION ACT (ACT 2011-535 of the Alabama Legislature, as amended by Act 2012-491) which is described herein as "the Act".
2. Using the following definitions from Section 3 of the Act, select and initial either (a) or (b), below, to describe the Contractor/Grantee's business structure.

BUSINESS ENTITY. Any person or group of persons employing one or more persons performing or engaging in any activity, enterprise, profession, or occupation for gain, benefit, advantage, or livelihood, whether for profit or not for profit. "Business entity" shall include, but not be limited to the following:

*a.* Self-employed individuals, business entities filing articles of incorporation, partnerships, limited partnerships, limited liability companies, foreign corporations, foreign limited partnerships, foreign limited liability companies authorized to transact business in this state, business trusts, and any business entity that registers with the Secretary of State.

*b.* Any business entity that possesses a business license, permit, certificate, approval, registration, charter, or similar form of authorization issued by the state, any business entity that is exempt by law from obtaining such a business license and any business entity that is operating unlawfully without a business license.

EMPLOYER. Any person, firm, corporation, partnership, joint stock association, agent, manager, representative, foreman, or other person having control or custody of any employment, place of employment, or of any employee, including any person or entity employing any person for hire within the State of Alabama, including a public employer. This term shall not include the occupant of a household contracting with another person to perform casual domestic labor within the household.

\_\_\_\_ (a) The Contractor/Grantee is a business entity or employer as those terms are defined in Section 3 of the Act.

\_\_\_\_ (b) The Contractor/Grantee is not a business entity or employer as those terms are defined in Section 3 of the Act.

3. As of the date of this Certificate, Contractor/Grantee does not knowingly employ an unauthorized alien within the State of Alabama and hereafter it will not knowingly employ, hire for employment, or continue to employ an unauthorized alien within the State of Alabama;
4. Contractor/Grantee is enrolled in E-Verify unless it is not eligible to enroll because of the rules of that program or other factors beyond its control.

Certified this \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_\_

\_\_\_\_\_  
Name of Contractor/Grantee/Recipient

By: \_\_\_\_\_

Its \_\_\_\_\_

The above Certification was signed in my presence by the person whose name appears above, on

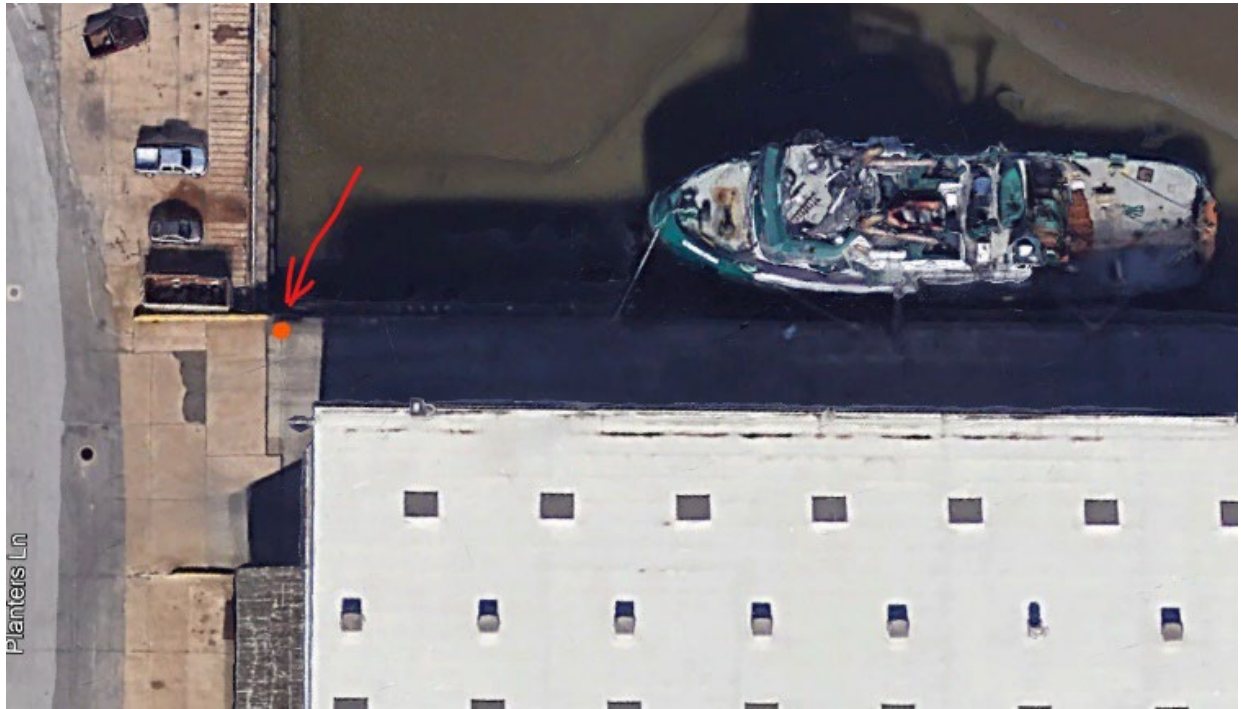
this \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_\_.

WITNESS: \_\_\_\_\_

\_\_\_\_\_  
Printed Name of Witness



# Photos

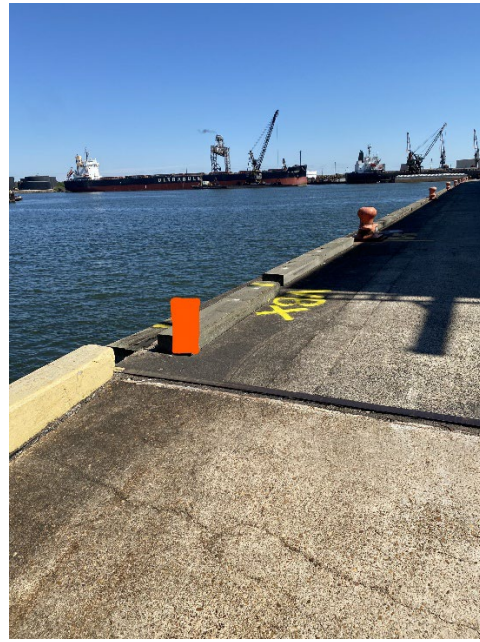


Aerial photo of Pier 8



Location of Bollard

Location of Bollard







ALABAMA  
PORT AUTHORITY  
PORT OF MOBILE

PIER 8  
BOLLARD ADDITION

KAY IVEY, GOVERNOR OF ALABAMA  
JOHN C. DRISCOLL, DIRECTOR



OCTOBER 2022

DRAWING LIST

4536B – G0	PROJECT COVER SHEET & DRAWING INDEX
4536B – S1	ENLARGED PLAN & DEMO
4536B – S2	SECTIONS & DETAILS
4536B – S3	BOLLARD DETAILS

REFERENCE DRAWINGS:

BERTH NO. 8 HEAD OF SLIP BULKHEAD (E, C, & G)  
MARGINAL WHARF (J.P. EWING)

GENERAL NOTES:

- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR VERIFYING THE ACTUAL EXISTING CONDITIONS AND HOW THOSE CONDITIONS AFFECT THE REQUIRED WORK. PRIOR TO SUBMITTING HIS BID, ANY DISCREPANCY NOTED BETWEEN ACTUAL CONDITIONS AND THOSE DESCRIBED BY THESE DRAWINGS SHALL BE PROMPTLY BROUGHT TO ENGINEER'S ATTENTION. NO ADDITIONAL COST ASSOCIATED WITH MODIFICATIONS TO THE SCOPE OF WORK REQUIRED DUE TO INACCURATE EXISTING CONDITIONS AS SHOWN BY THESE DRAWINGS WILL BE CONSIDERED UNLESS SAID CONDITIONS HAVE BEEN BROUGHT TO ENGINEER'S ATTENTION PRIOR TO RECEIVING BIDS.
- CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH APA PERSONNEL.
- ALL WORK SHALL CONFORM TO ALL APPLICABLE LOCAL BUILDING CODES AND ORDINANCES.
- AT ALL TIMES, THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF PERSONS AND PROPERTY, AND FOR ALL NECESSARY INDEPENDENT ENGINEERING REVIEW OF THESE CONDITIONS. REVIEW OF THE JOB SITE BY ENGINEER IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF CONTRACTOR'S SAFETY MEASURES.

MATERIALS:

- ALL CAST-IN-PLACE CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI AT 28 DAYS.
- REINFORCING BARS SHALL BE DEFORMED AND SHALL CONFORM TO ASTM A615, GRADE 60.
- GROUT MATERIAL UNDERNEATH BOLLARD SHALL BE PREPACKAGED, CEMENTITIOUS, NON-SHRINK, NON-METALLIC GROUT.
- EPOXY MATERIAL FOR DRILLED AND GROUTED REBAR SHALL BE HILTI RE-500 OR APPROVED EQUAL.

CONSTRUCTION METHODS:

- CONTRACTOR SHALL VERIFY INTERFACE BETWEEN BOLLARD AND CONCRETE FOUNDATIONS PRIOR TO PLACEMENT OF CONCRETE. ANY DISCREPANCIES BETWEEN THE DETAILS INDICATED ON THE DRAWINGS AND THE ACTUAL REQUIRED INTERFACE SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER. ANY REWORK REQUIRED DUE TO INADEQUATE COORDINATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- EXPOSED EDGES OF CONCRETE SHALL HAVE A 3/4" CHAMFER.
- CONCRETE COVER FOR REINFORCING IN CAST-IN-PLACE CONCRETE WORK SHALL BE AS FOLLOWS UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DETAIL DRAWINGS:
  - CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO THE EARTH – 3 INCHES
  - CONCRETE EXPOSED TO WEATHER – 2 INCHES
  - ALL OTHER REINFORCING – 1 1/2 INCHES (MINIMUM)
- CONCRETE INDICATED ON THE DRAWINGS TO BE ROUGHENED SHALL BE FREE OF LAITANCE AND DEBRIS, AND ROUGHENED TO A FULL AMPLITUDE OF APPROXIMATELY 1/4 INCH.
- EXTERIOR CONCRETE FLOOR SLABS, DOCK SURFACE, ROADWAYS AND AREA PAVING SHALL HAVE A BROOM FINISH. VERTICAL WALLS SHALL HAVE A RUBBED FINISH AS DESCRIBED IN THE PROJECT SPECIFICATIONS.
- AT LOCATIONS WHERE NEW CONCRETE IS TO BE PLACED AGAINST PREVIOUSLY HARDENED CONCRETE, THE EXISTING CONCRETE SURFACE SHALL BE CLEAN AND FREE OF LAITANCE AND ROUGHENED TO A FULL AMPLITUDE OF APPROXIMATELY 1/4 INCH. PRIOR TO PLACING THE NEW CONCRETE, AN EPOXY BONDING AGENT SHALL BE APPLIED TO THE CLEAN, ROUGHENED SURFACE. EPOXY BONDING AGENT SHALL BE SIKA SIKADUR-32 HI-MOD OR APPROVED EQUAL.

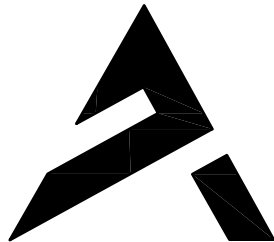
TESTING

- PERFORM SLUMP TEST, AIR ENTRAINMENT, AND STRENGTH TESTS IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM.
- PREPARE (4) CYLINDERS FOR EACH BATCH TO BE TESTED. TEST ONE AT 7 DAYS, TWO AT 28 DAYS AND HOLD ONE CYLINDER IN RESERVE.



ALABAMA  
PORT AUTHORITY  
PORT OF MOBILE

CLIENT DWG NO:



APTIM  
PORT SERVICES, LLC

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APA – PIER 8  
BOLLARD ADDITION  
PROJECT COVER SHEET & DRAWING INDEX

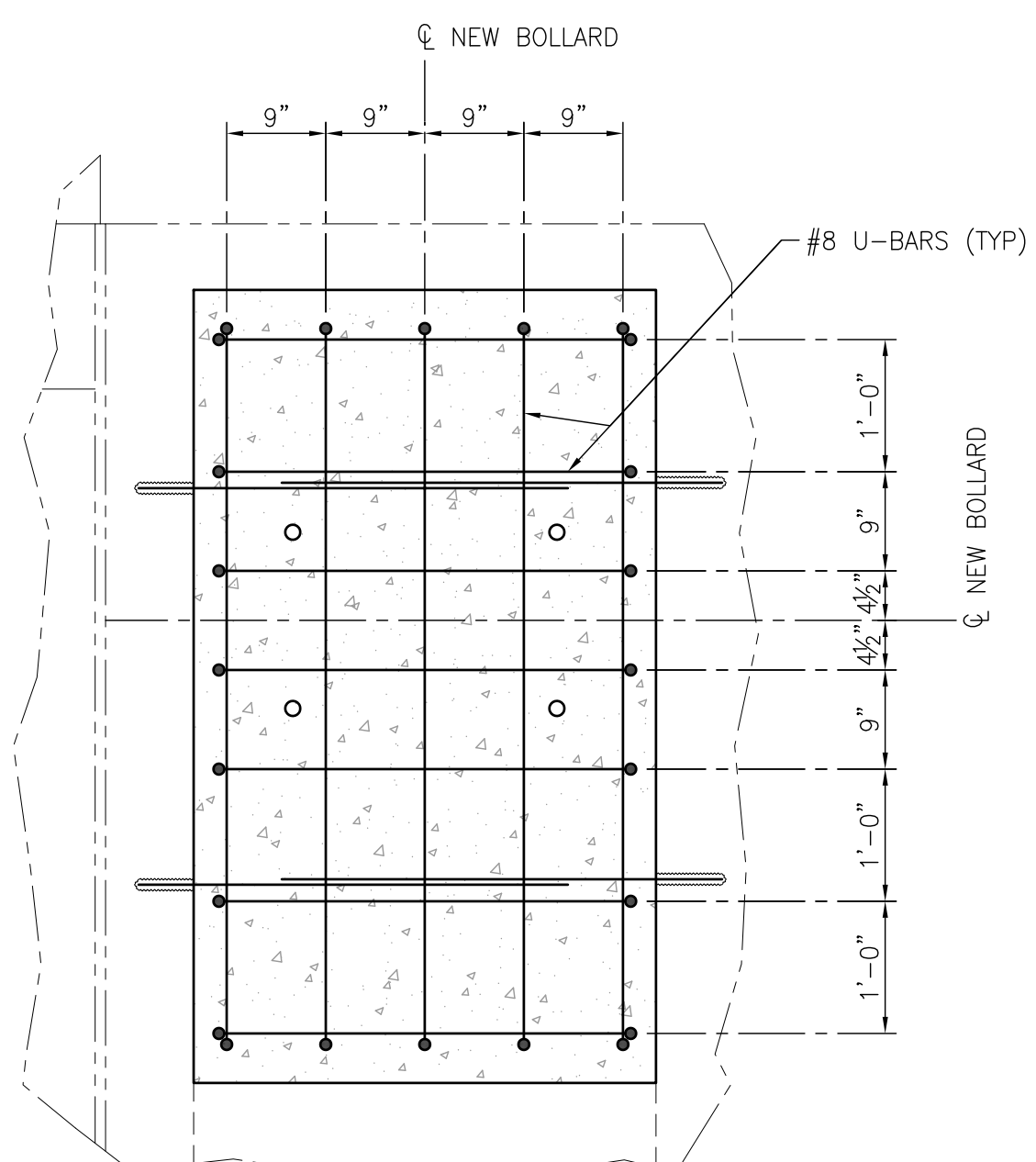
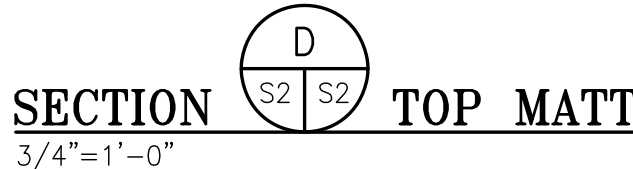
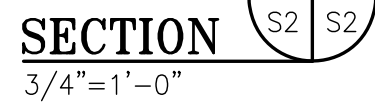
FOR: ALABAMA PORT AUTHORITY

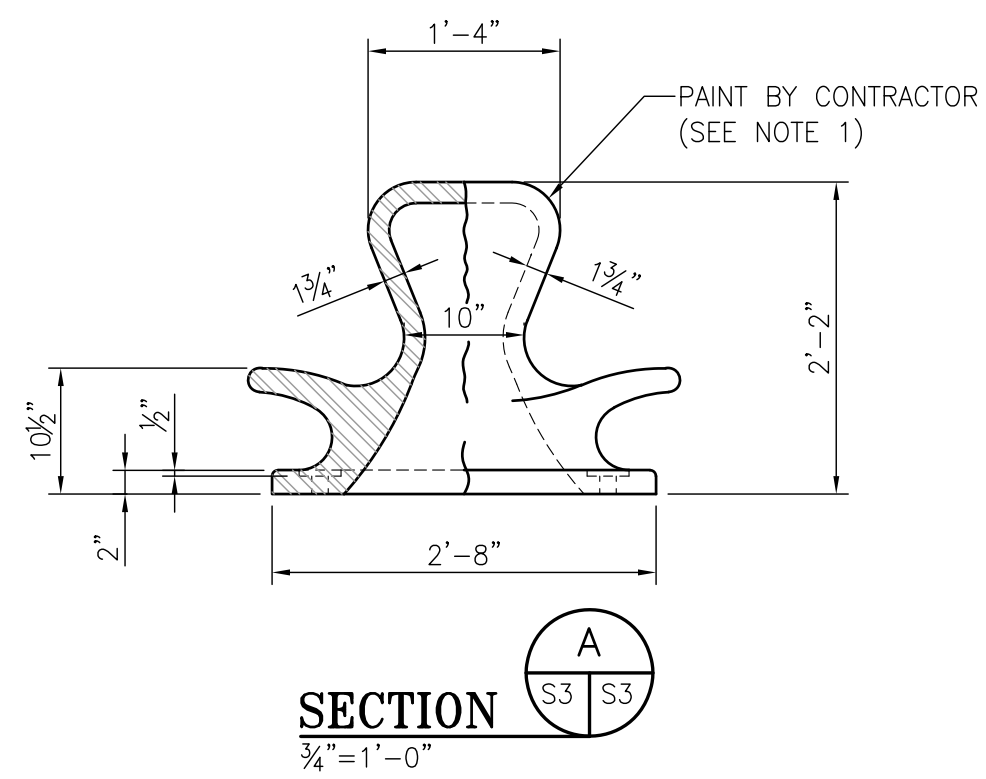
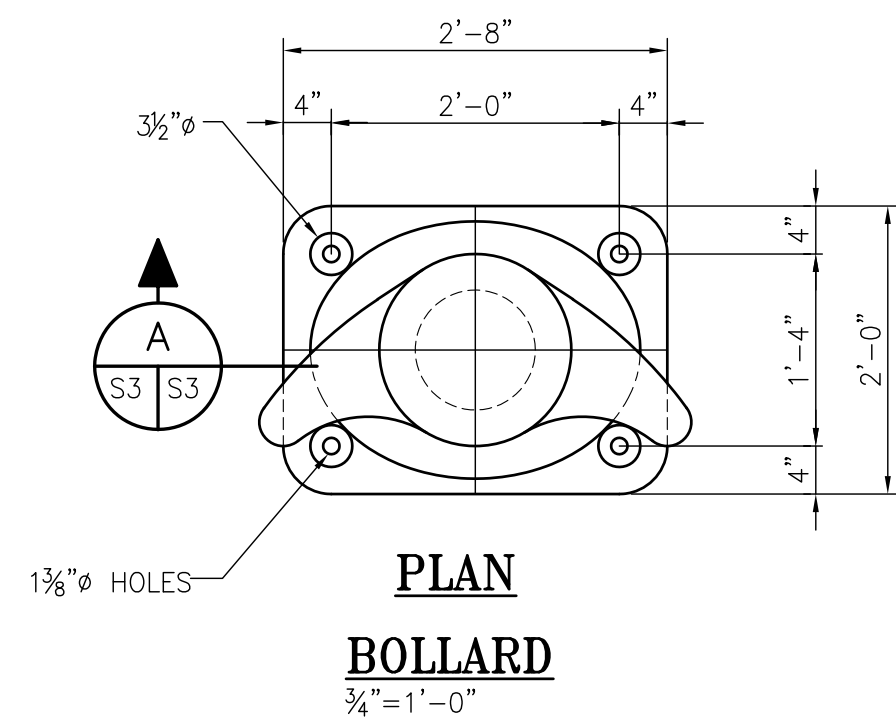
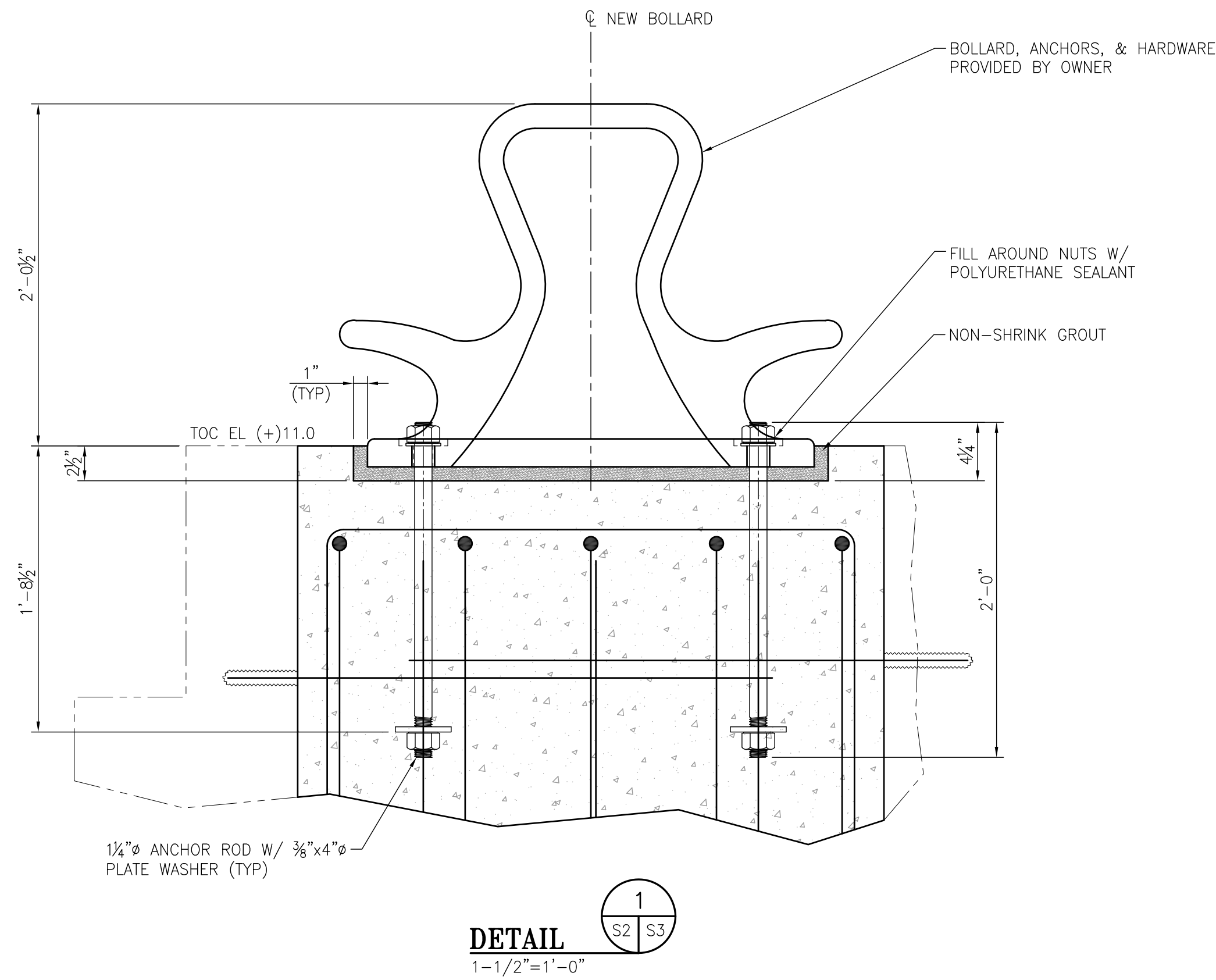
PROJECT NO: 4536B DWG NO: G0 REV: A









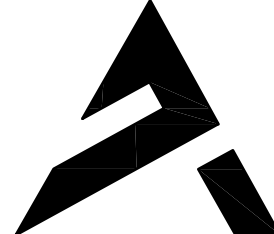


NOTE: BOLLARD AND ANCHOR BOLTS ARE OWNER PROVIDED. CONTRACTOR TO INSTALL.



CLIENT DWG NO:		
APA – PIER 8		
BOLLARD ADDITION		
BOLLARD DETAILS		
FOR: ALABAMA PORT AUTHORITY		
PROJECT NO: 4536B	DWG NO: S3	REV: A

NOTES									
1. OWNER PROVIDED BOLLARD WILL CONTAIN A ZINC RICH PRIME COAT. CONTRACTOR TO PROVIDE AN INTERMEDIATE AND TOP COAT. INTERMEDIATE COAT TO BE MACROPOXY 646 FAST CURE EPOXY (5 MIL DFT) AND TOP COAT TO BE ACROLON 218 HS ACRYLIC POLYURETHANE (5 MIL DFT). TOP COAT COLOR TO MATCH EXISTING BOLLARDS.									
		A	ISSUED FOR BID		JLH	WCC	JEJ	10-17-22	
REFERENCE DRAWINGS		NO.	REVISION		DRAWN	CK'D	APPD	DATE	

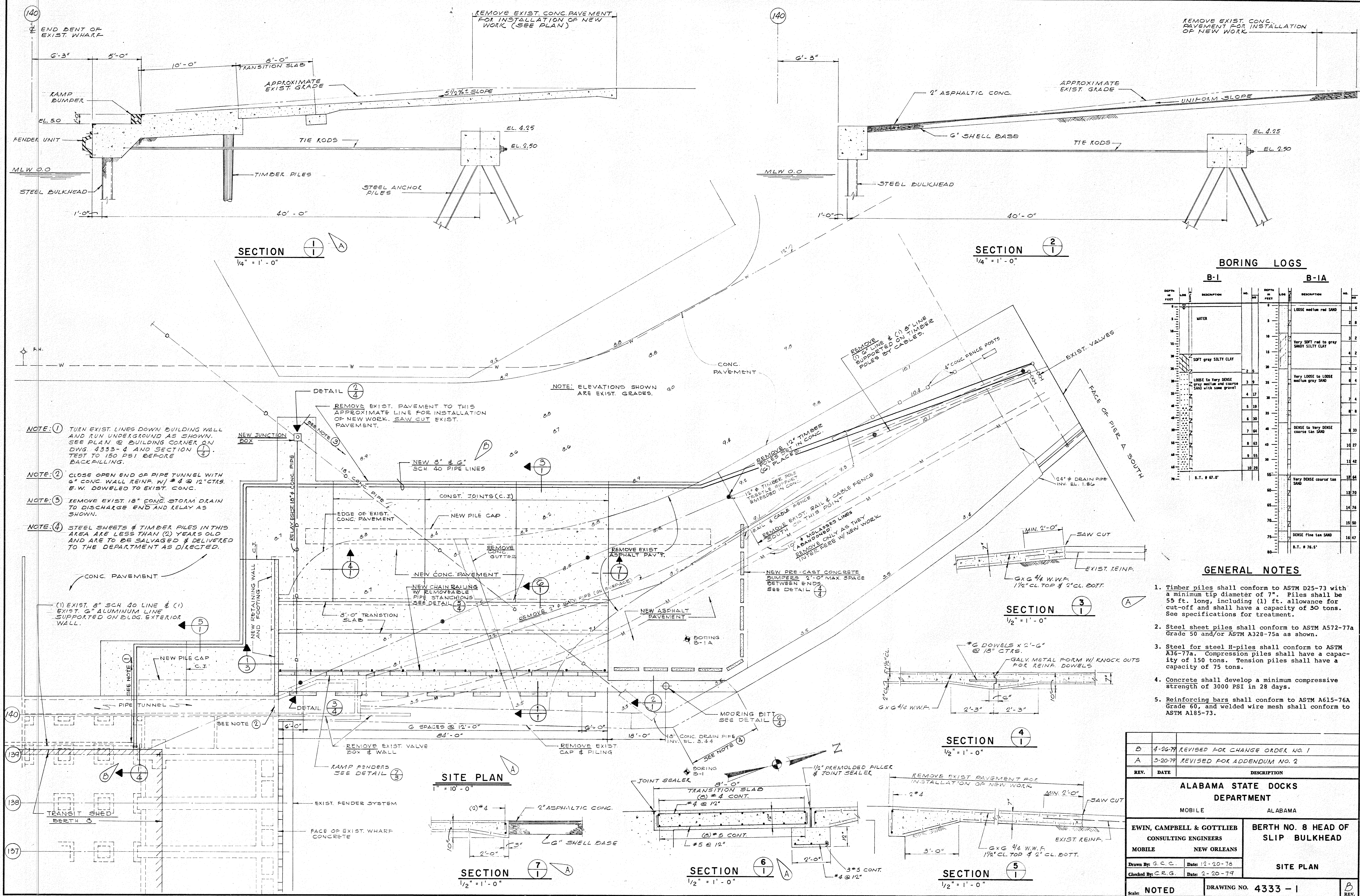


**APTIM**  
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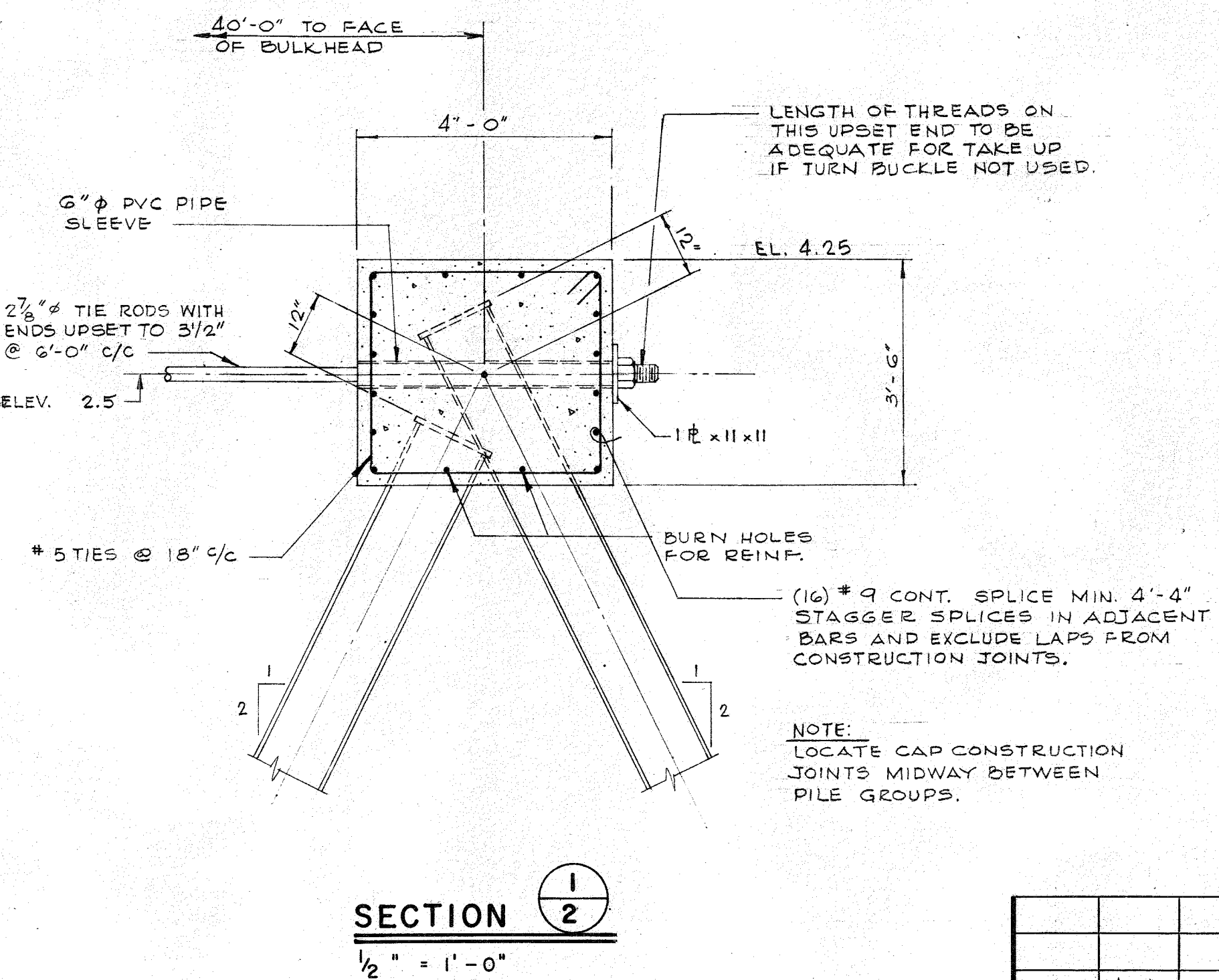
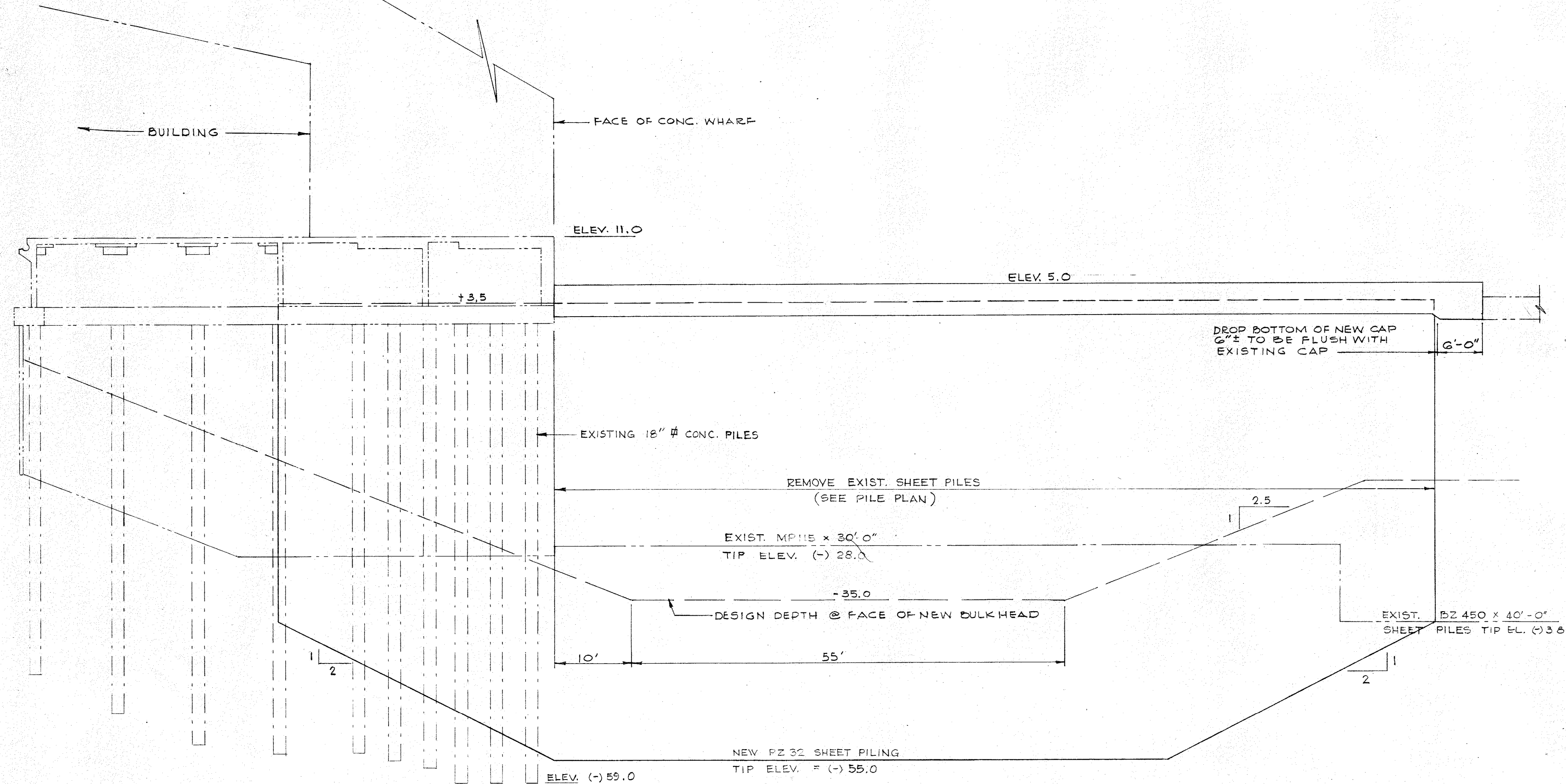
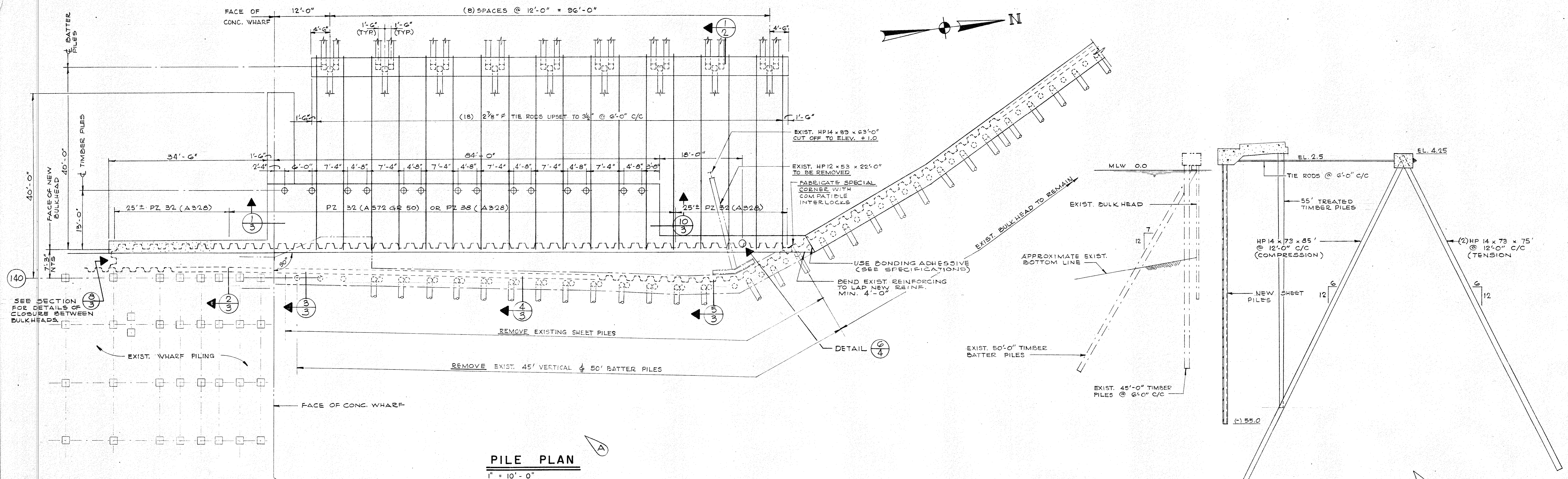
DRAWN: JLH	CK'D: WCC	APPD: JEJ	DATE: 10-14-22	SCALE: AS NOTED
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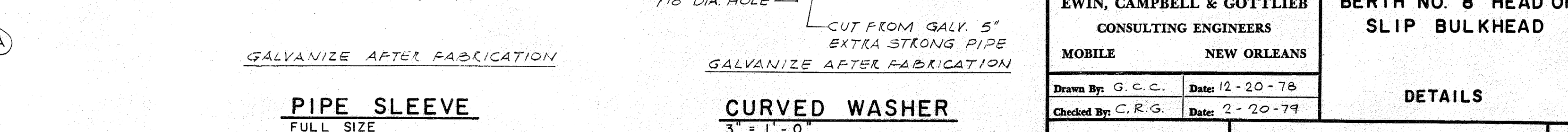
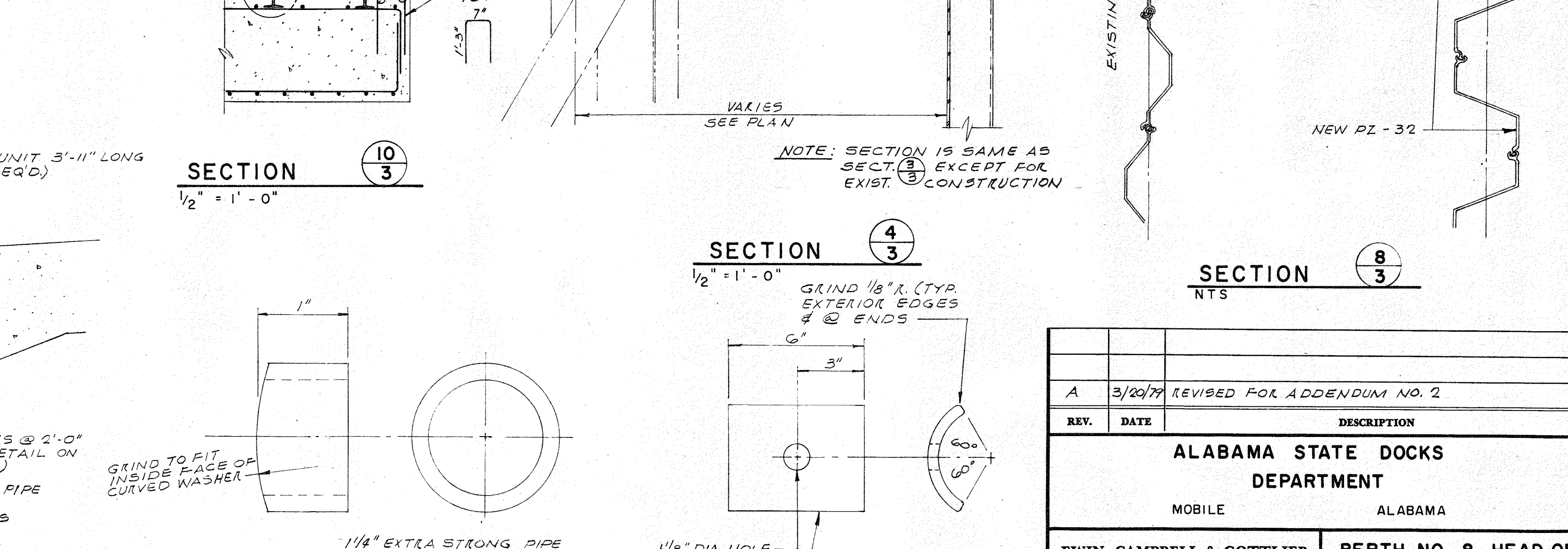
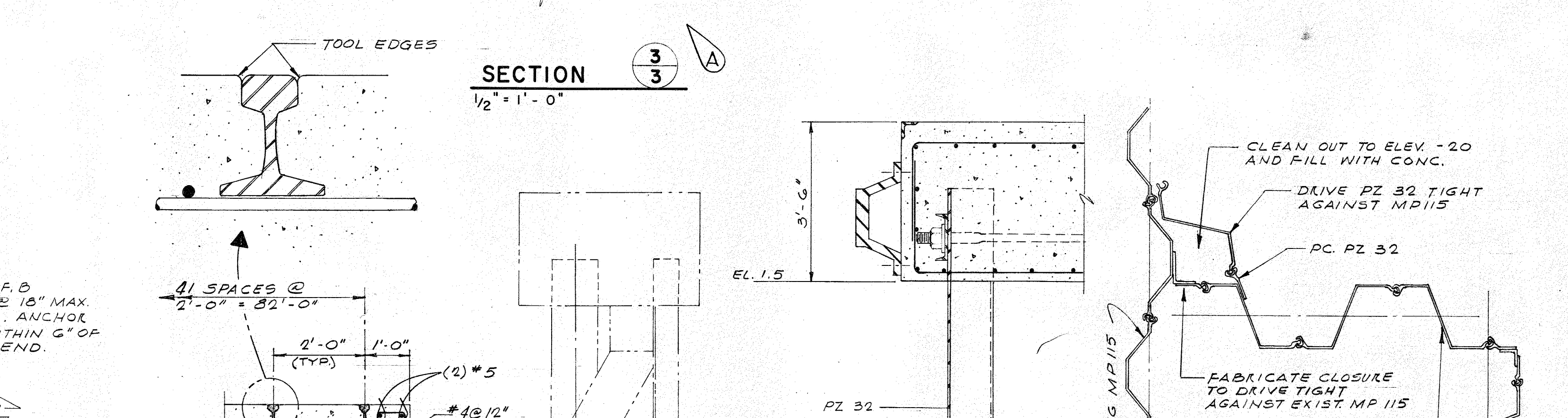
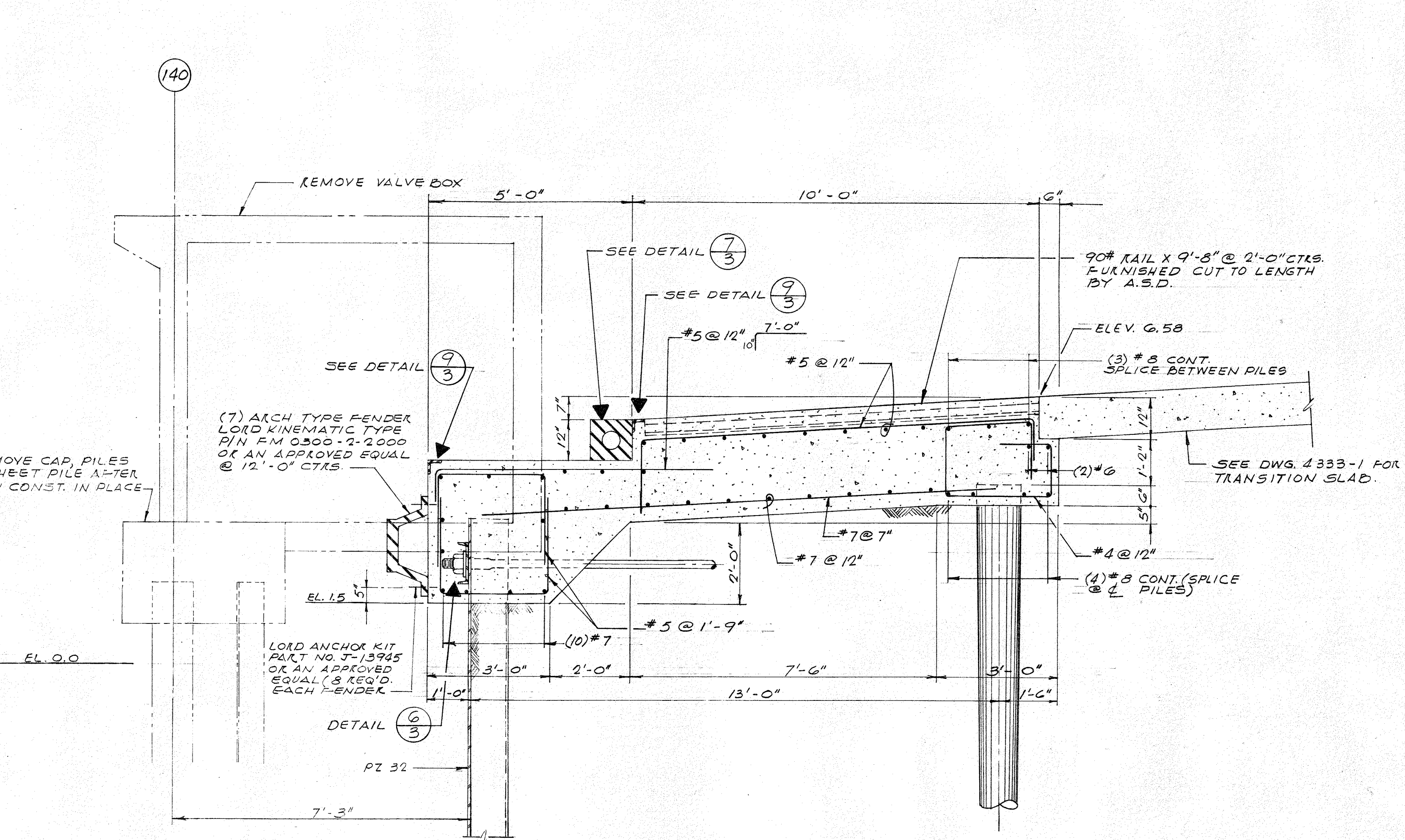
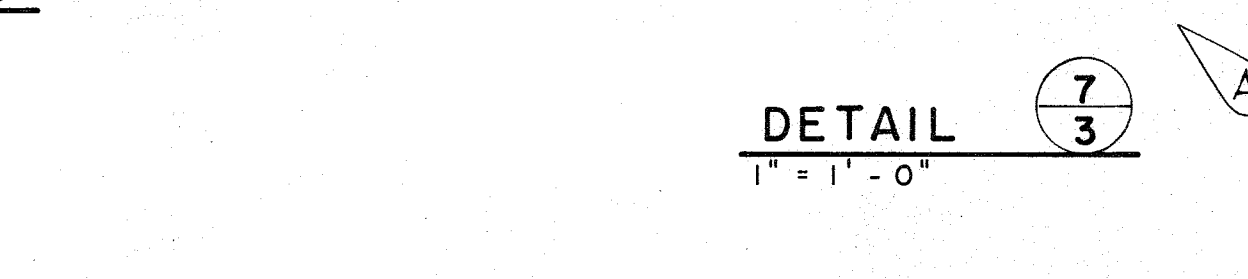
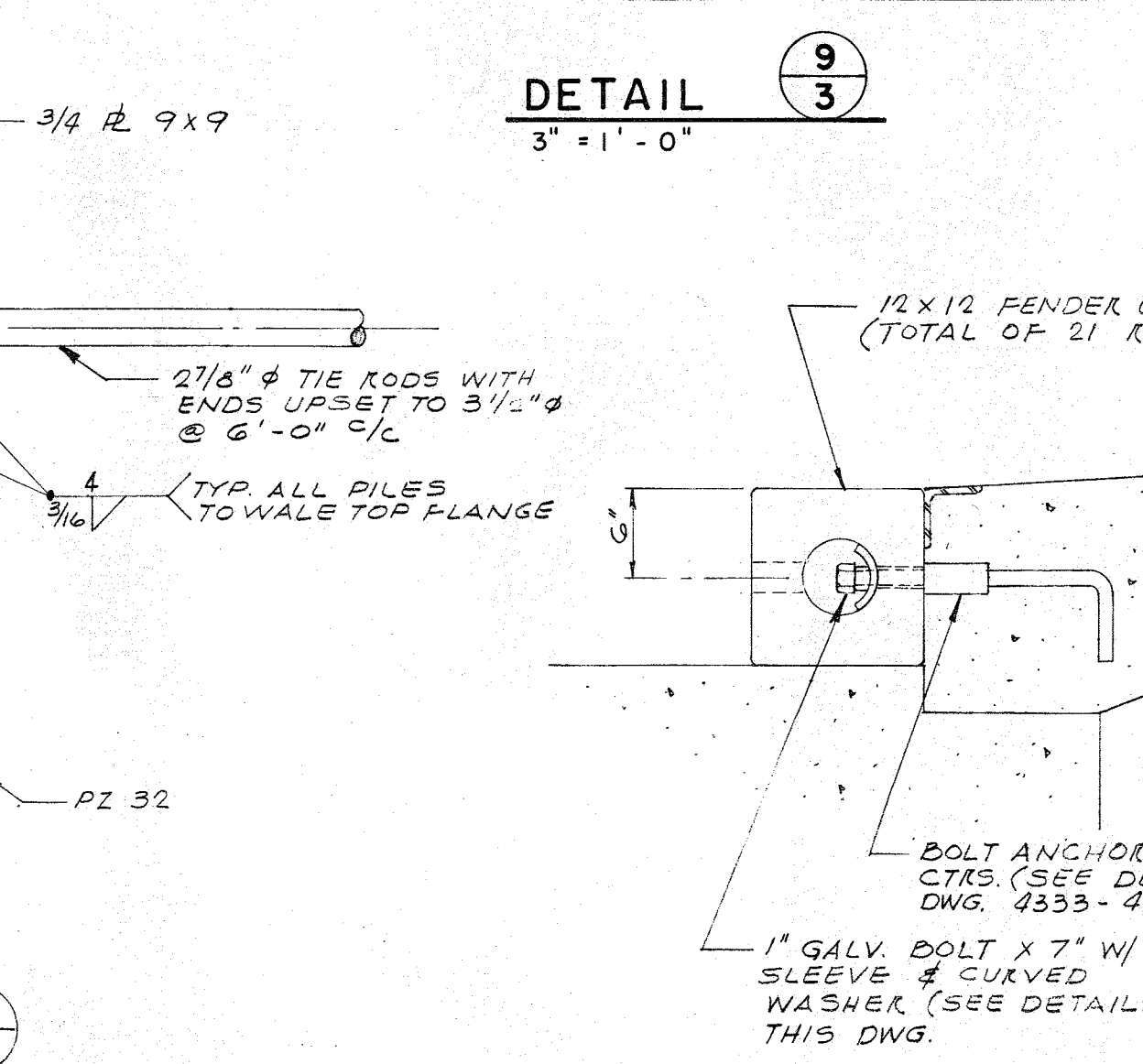
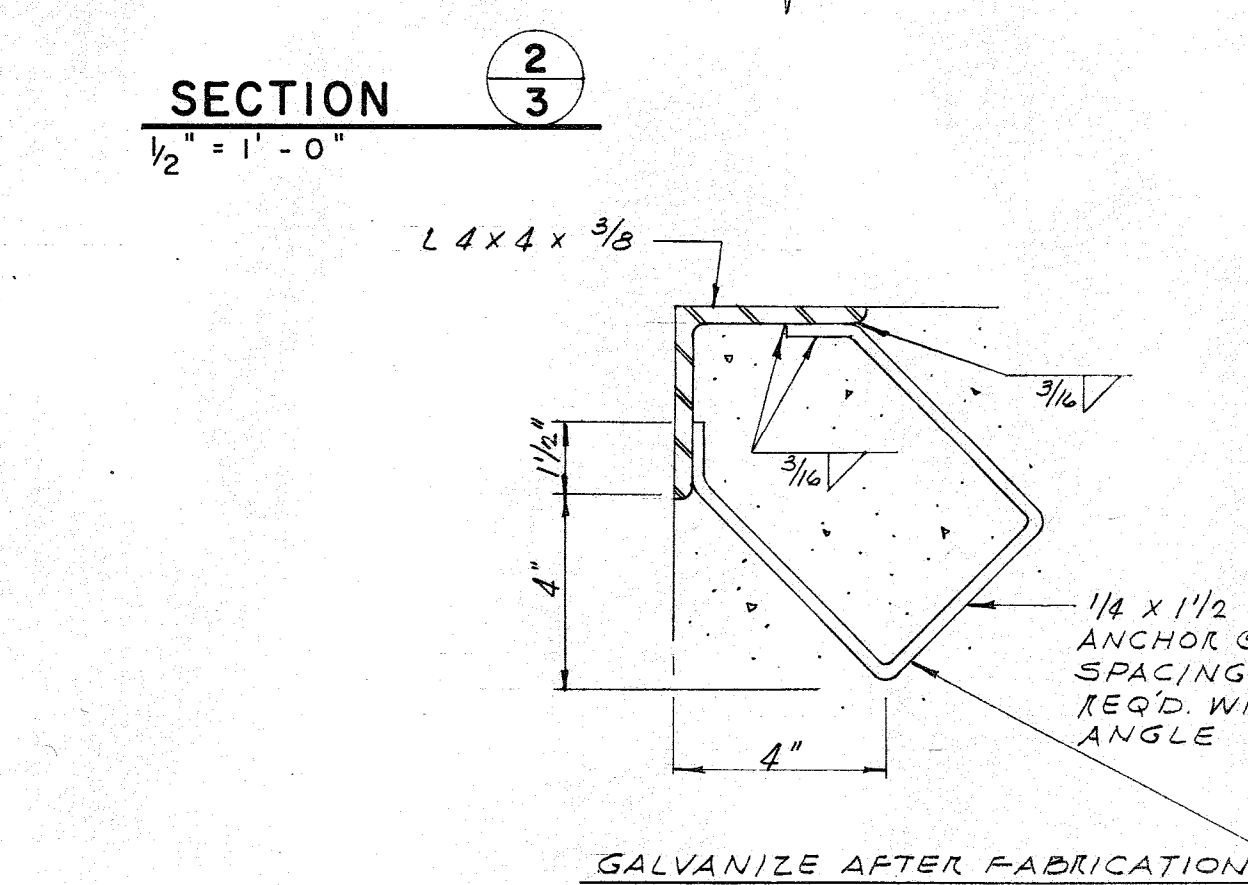
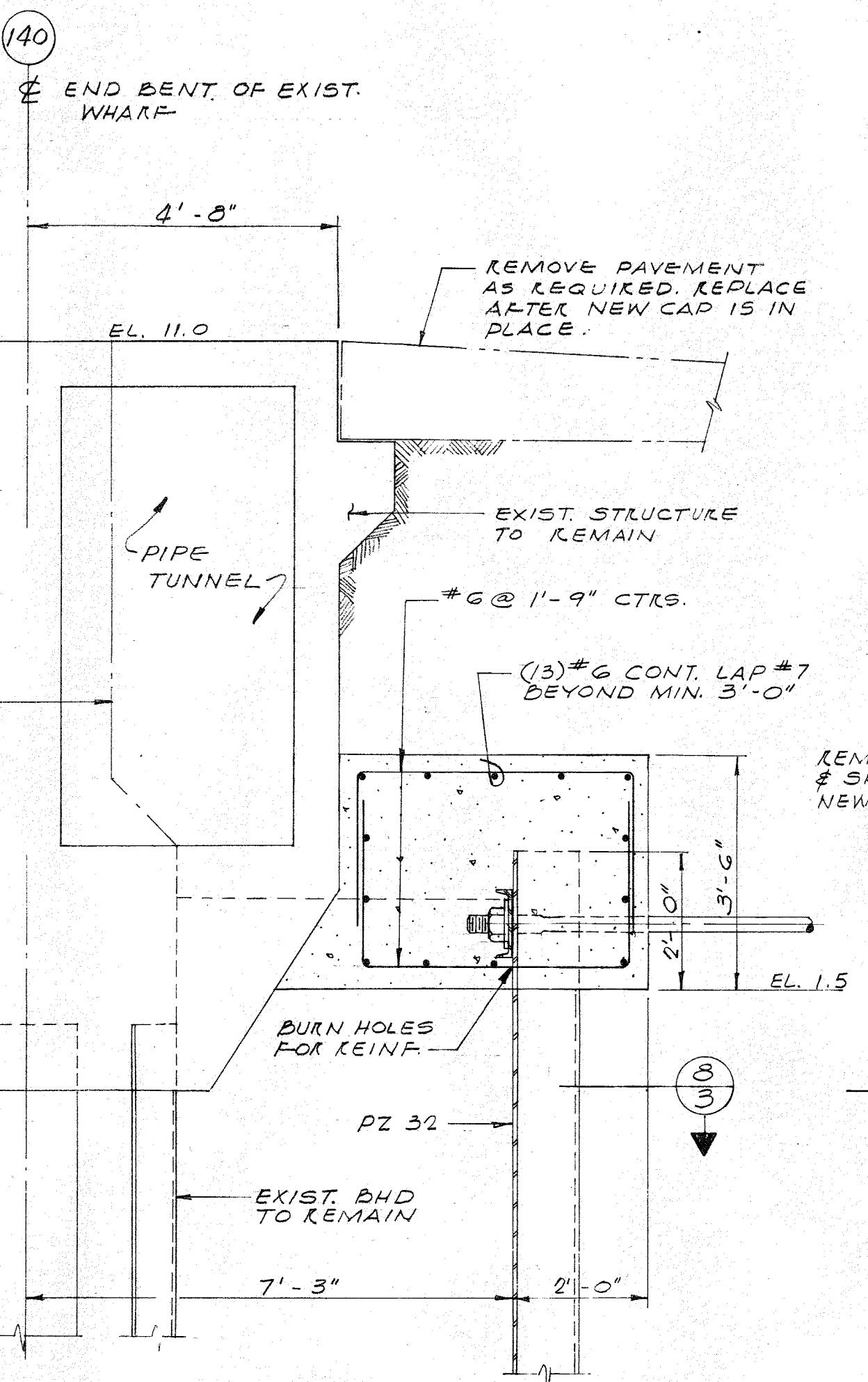
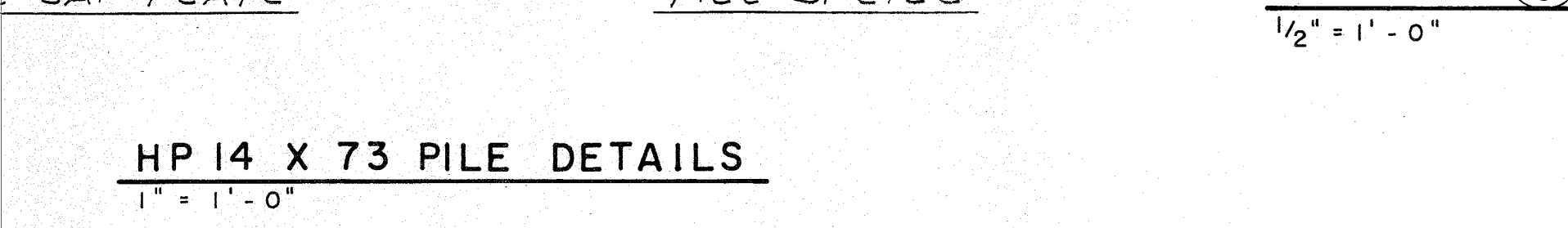
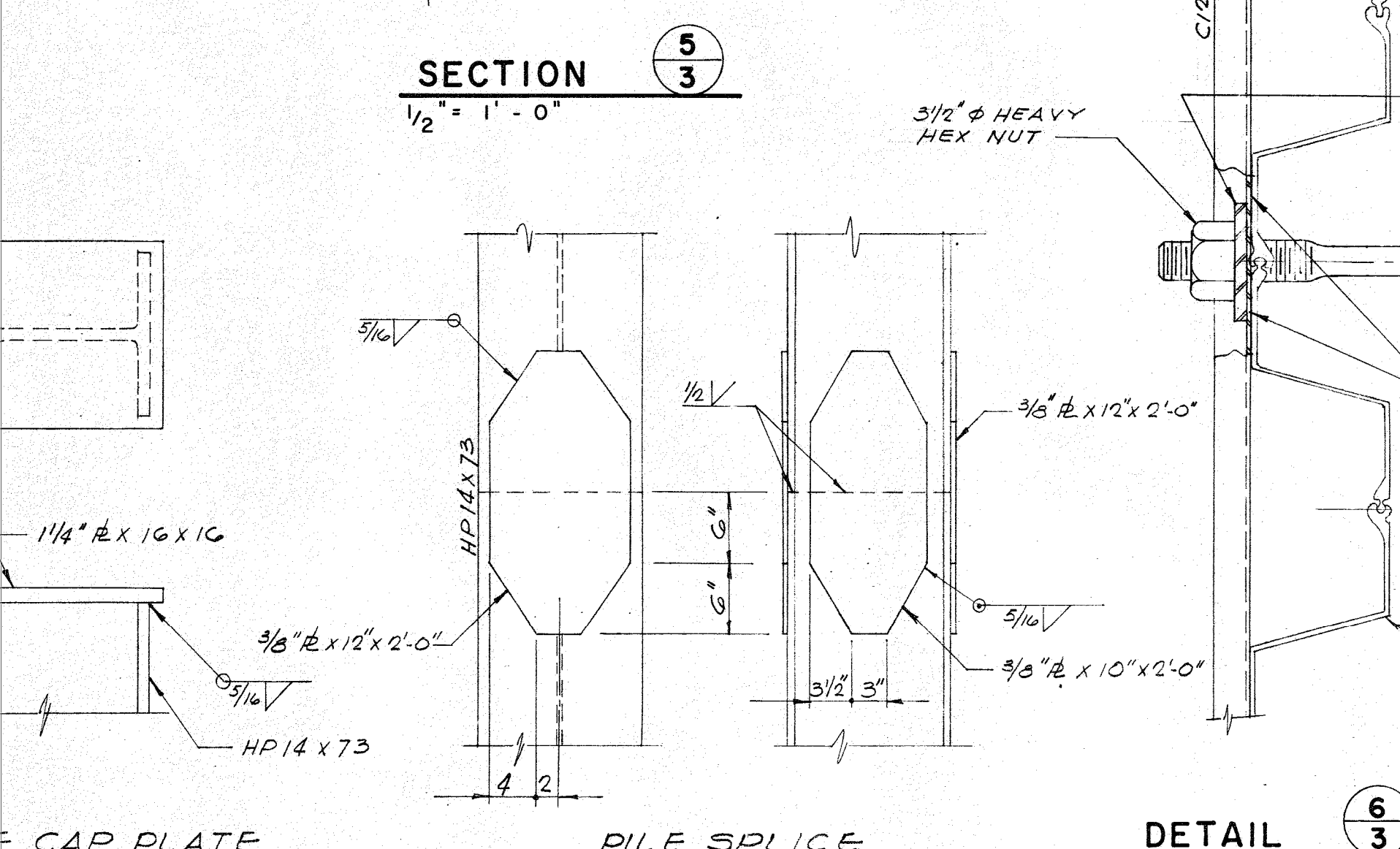
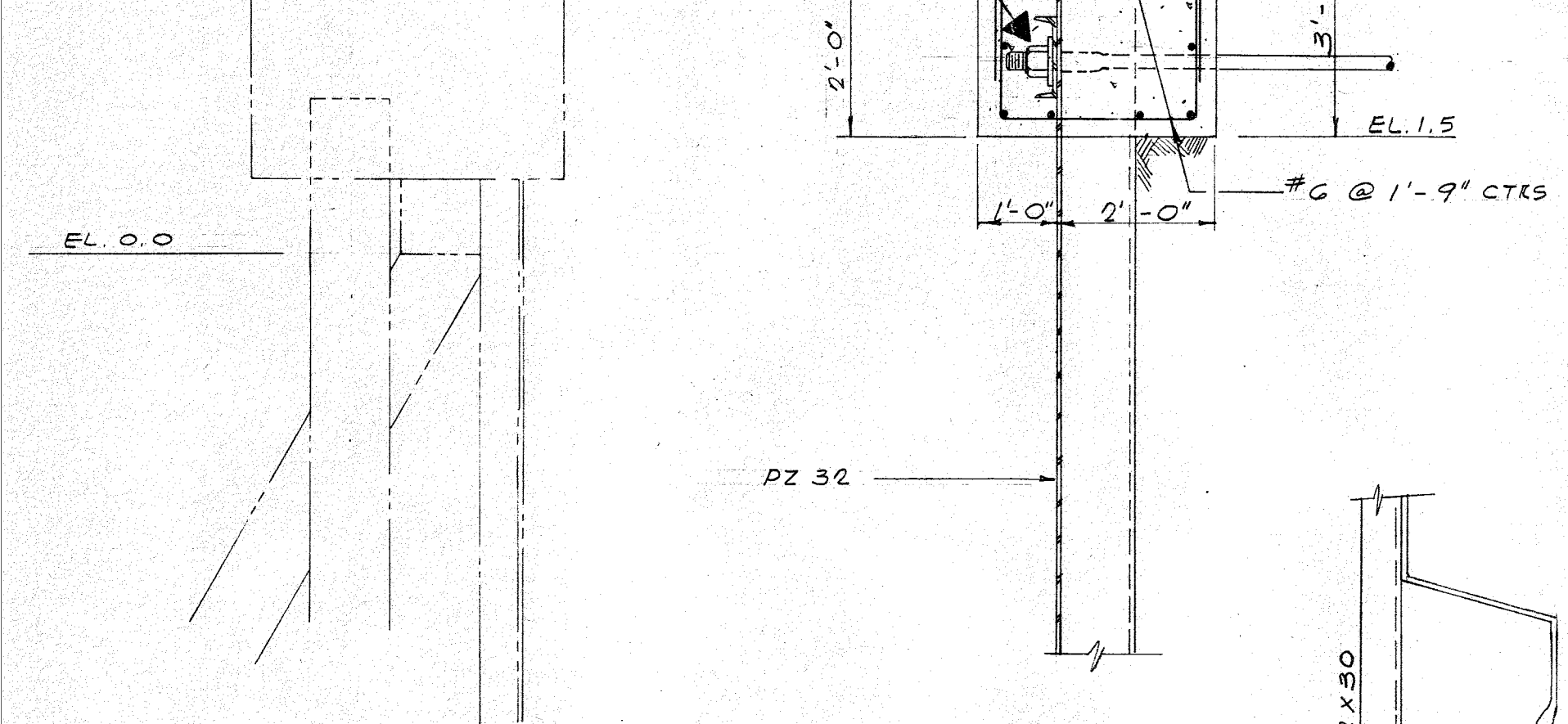
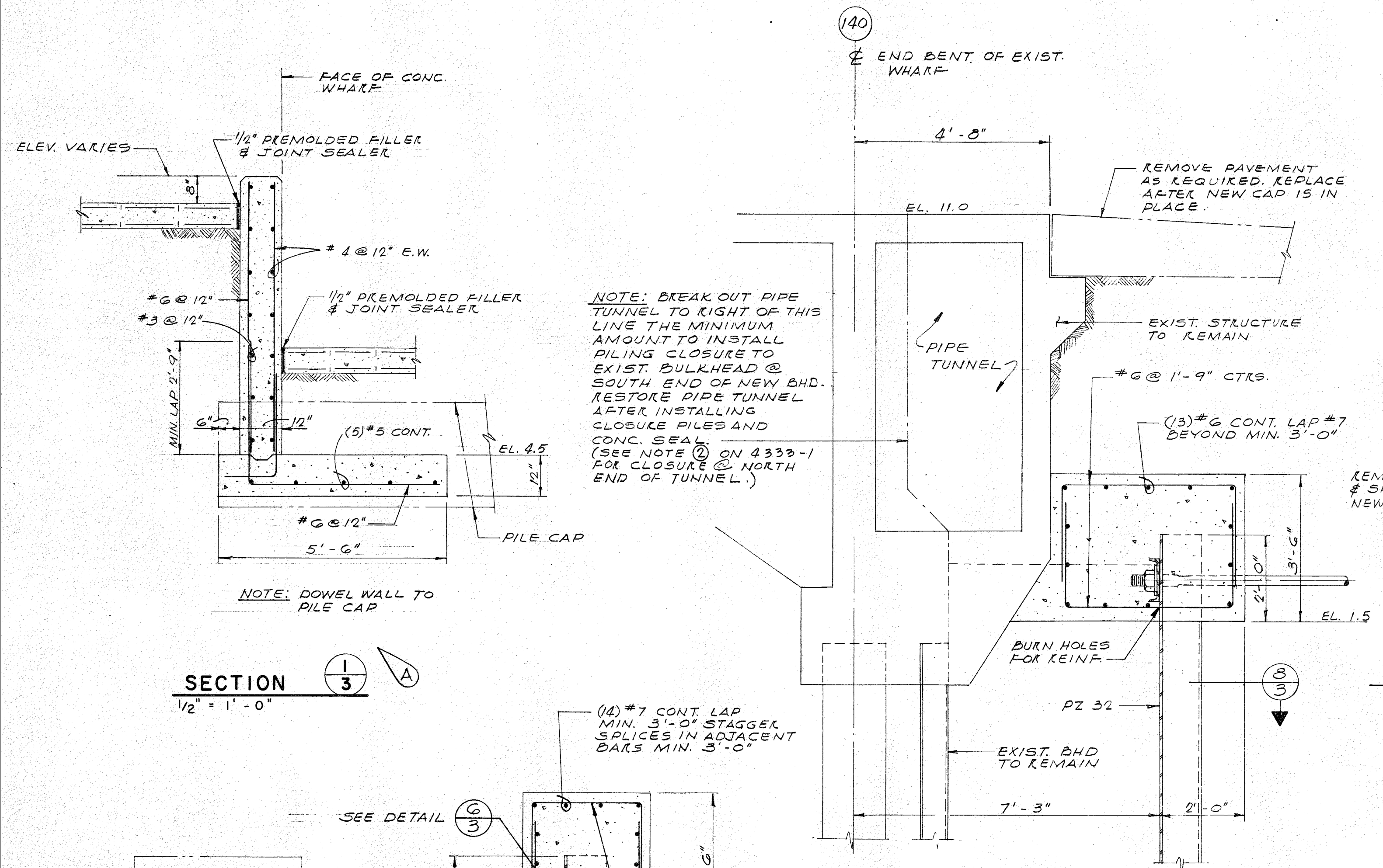
B	4-26-79	REVISED FOR CHANGE ORDER NO. 1
A	3-20-79	REVISED FOR ADDENDUM NO. 2
REV.	DATE	DESCRIPTION
ALABAMA STATE DOCKS DEPARTMENT		
MOBILE		ALABAMA
EWIN, CAMPBELL & GOTTILIEB CONSULTING ENGINEERS		BERTH NO. 8 HEAD OF SLIP BULKHEAD
MOBILE		NEW ORLEANS
Drawn By: G.C.C.		Date: 12-20-78
Checked By: C.R.G.		Date: 2-20-79
Scale: NOTED		DRAWING NO. 4333 - 1
		B REV.





REV.	DATE	DESCRIPTION
A	3/20/79	REVISED FOR ADDENDUM NO. 2
ALABAMA STATE DOCKS DEPARTMENT		
MOBILE ALABAMA		
EWING, CAMPBELL & GOTTlieb CONSULTING ENGINEERS		BERTH NO. 8 HEAD OF SLIP BULKHEAD
MOBILE NEW ORLEANS		PLAN & DETAILS
Drawn By: LWE:dg,cc Date: 12-20-78		
Checked By: C.R.G. Date: 2-20-79		
NOTED		DRAWING NO. 4333 - 2
Scale:		A REV.





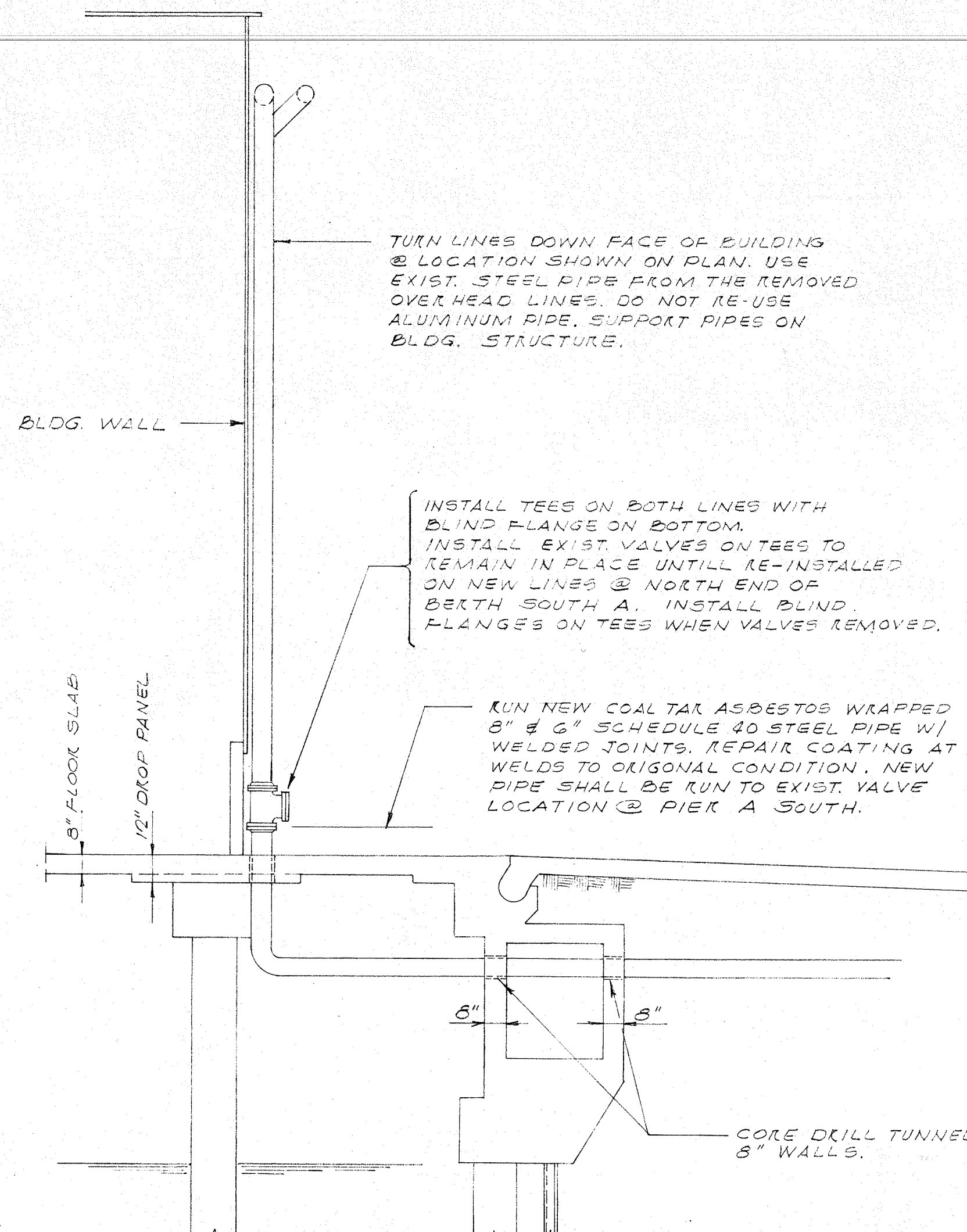
HP 14 X 73 PILE DETAILS  
1" = 1'-0"

PIPE SLEEVE  
FULL SIZE

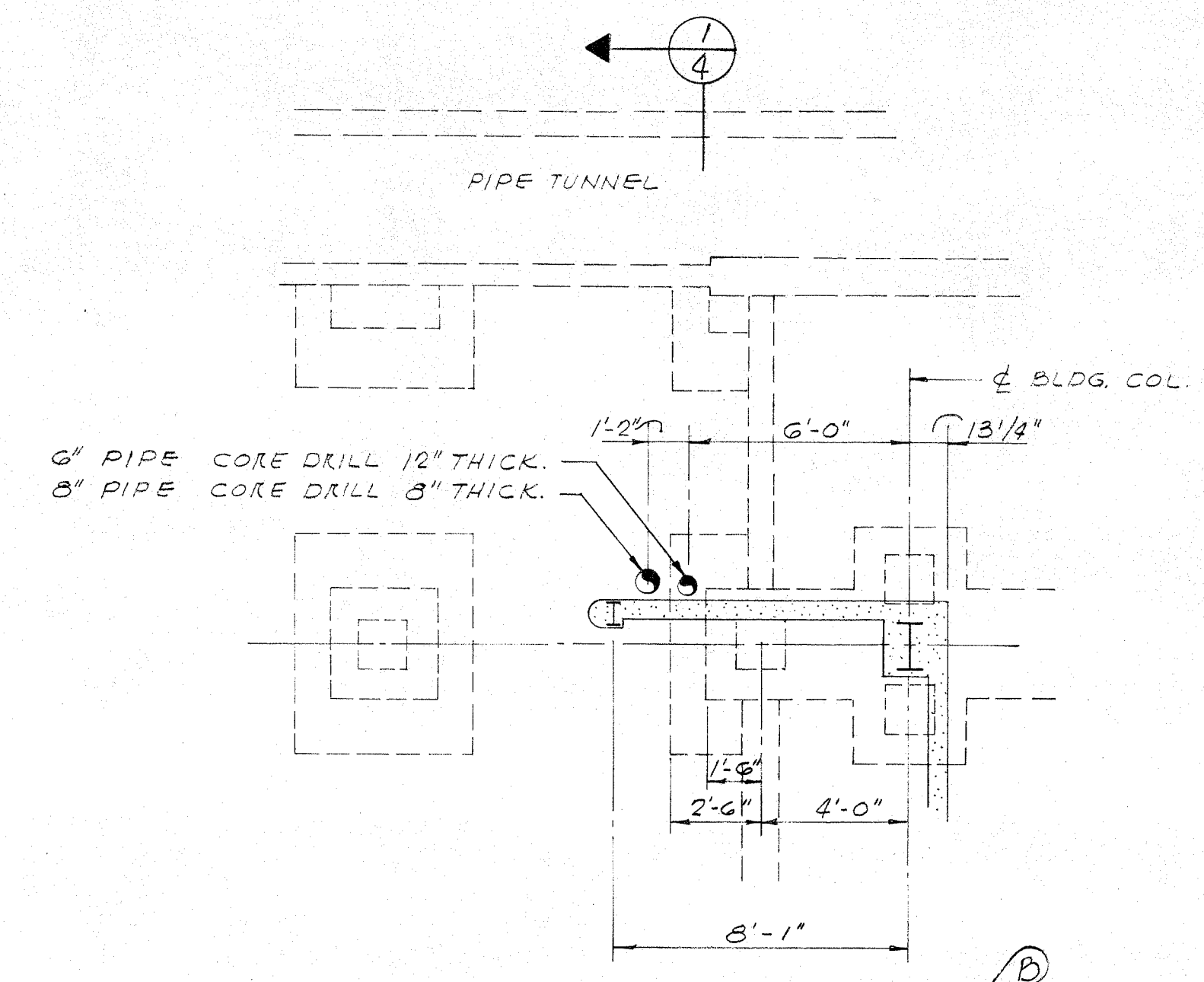
CURVED WASHER  
3" = 1'-0"

A	3/20/77	REVISED FOR ADDENDUM NO. 2
REV.	DATE	DESCRIPTION
ALABAMA STATE DOCKS DEPARTMENT		
MOBILE		ALABAMA
ERWIN, CAMPBELL & GOTTLIEB CONSULTING ENGINEERS		BERTH NO. 8 HEAD OF SLIP BULKHEAD
MOBILE		NEW ORLEANS
Drawn By: G. C. C.		Date: 12-20-78
Checked By: C. R. G.		Date: 2-20-79
DETAILS		
Scale:	NOTED	DRAWING NO. 4333-3
		A RF

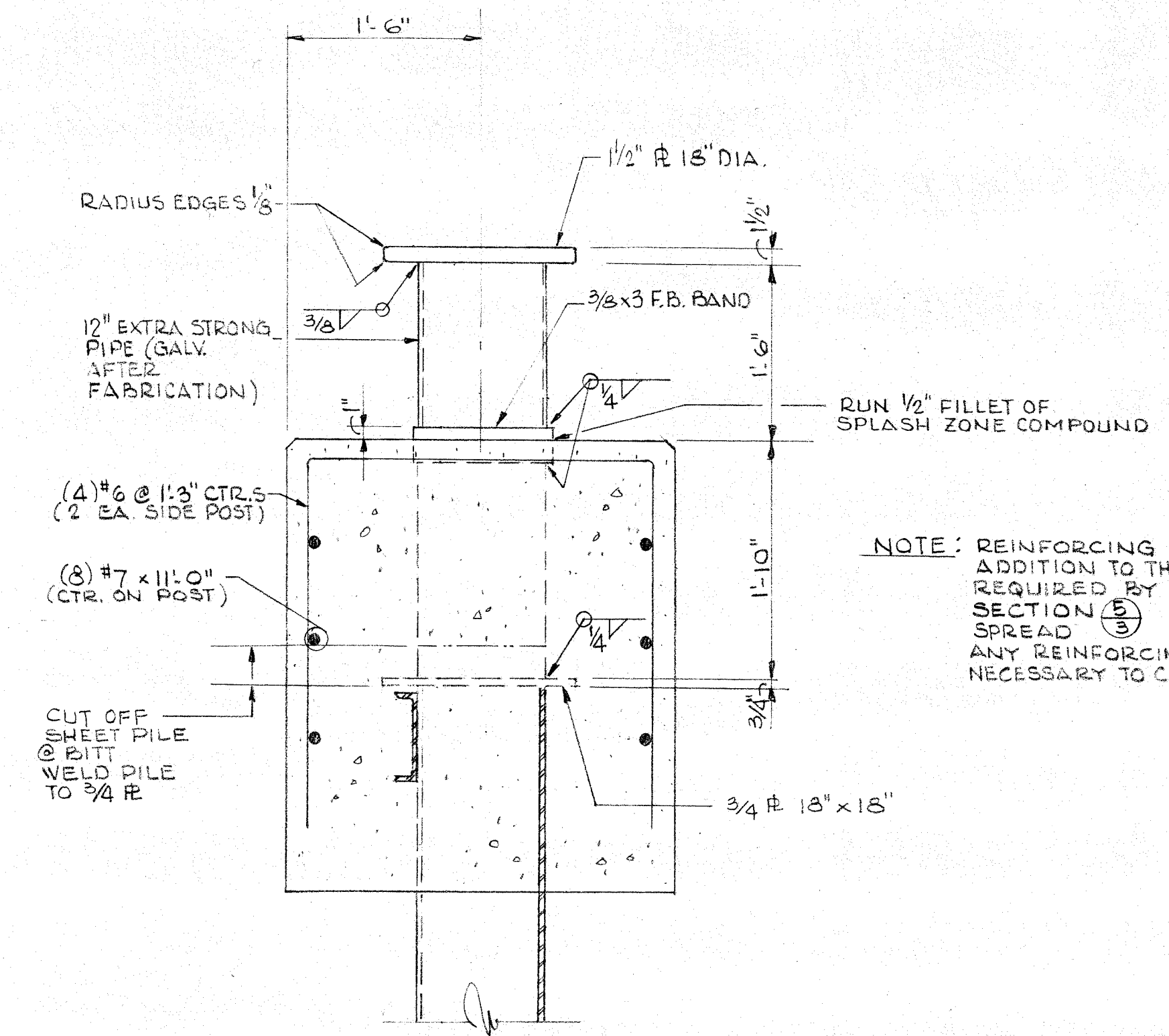




**SECTION 1/4**  
1/4" = 1' - 0"

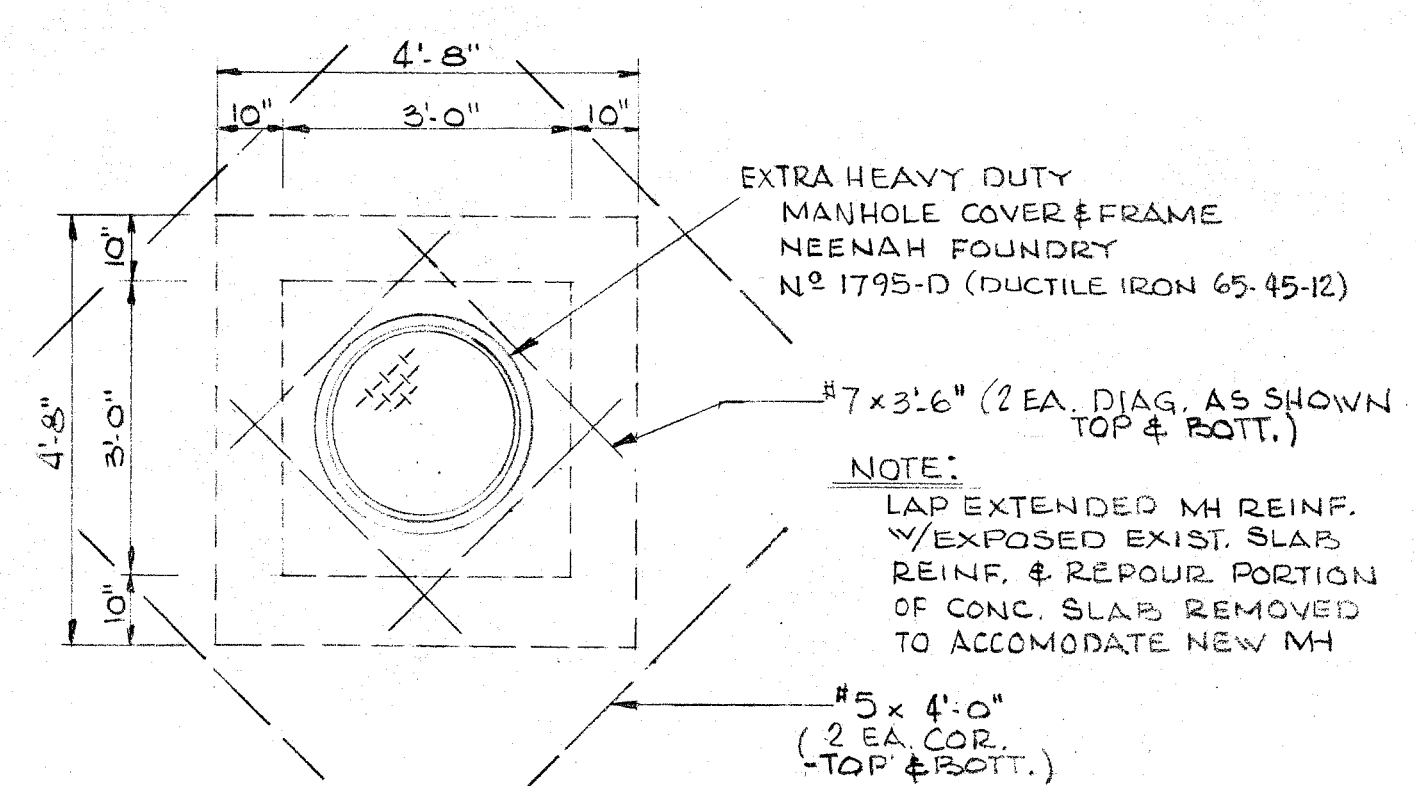


**PLAN AT BUILDING CORNER 1/4**  
1/4" = 1' - 0"

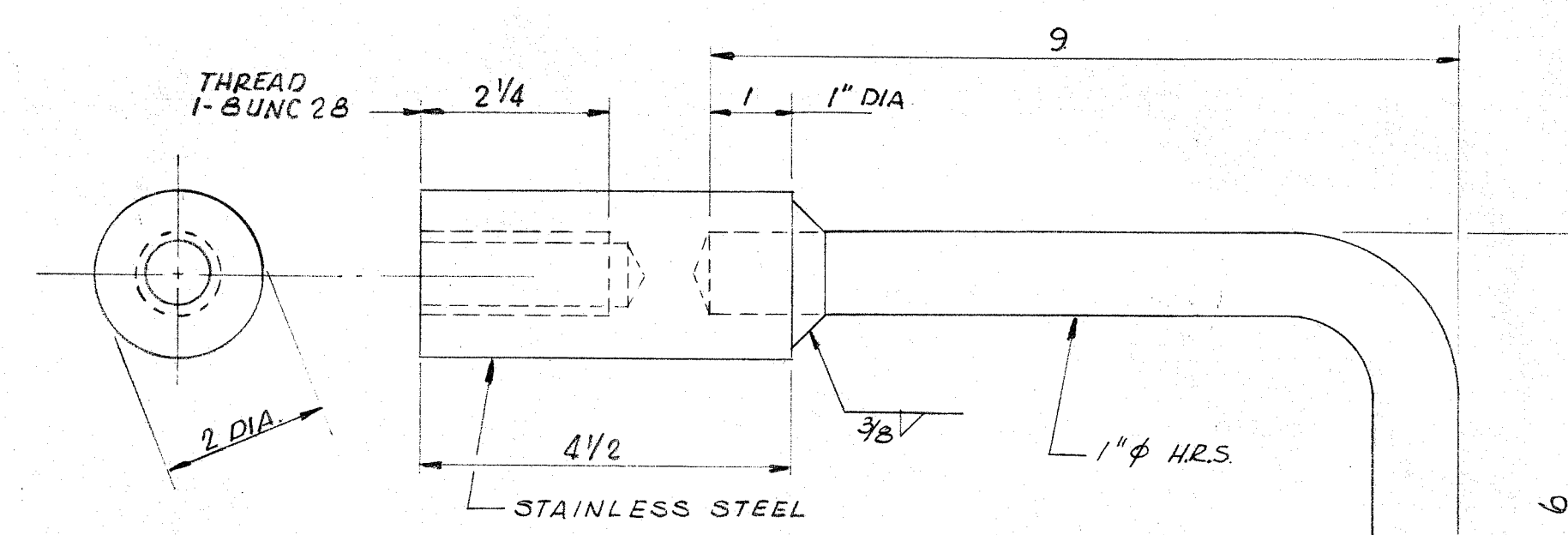


**DETAIL 6/4**  
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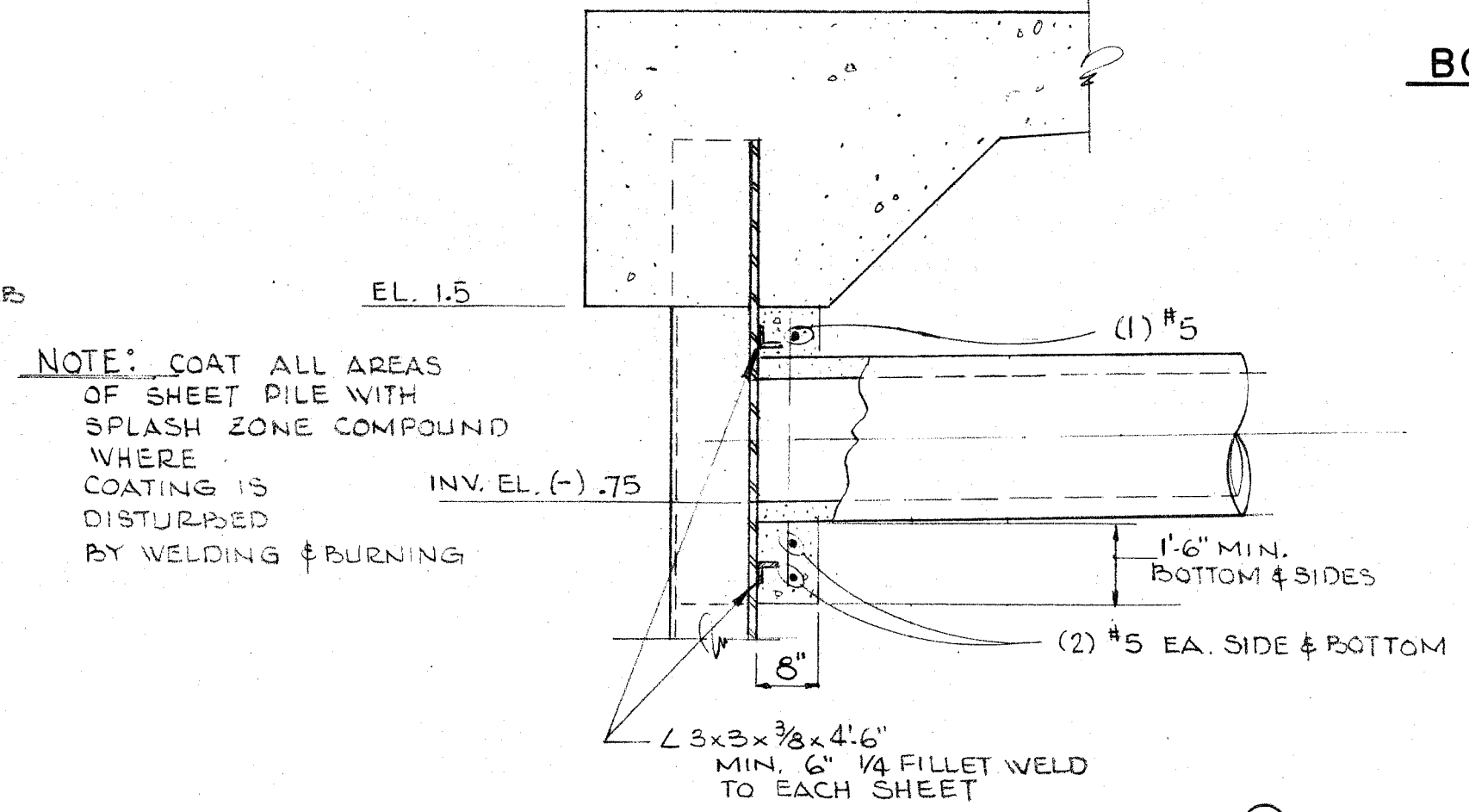
NOTE: REINFORCING IS IN ADDITION TO THAT REQUIRED BY SECTION 5. SPREAD ANY REINFORCING NECESSARY TO CLEAR BITT



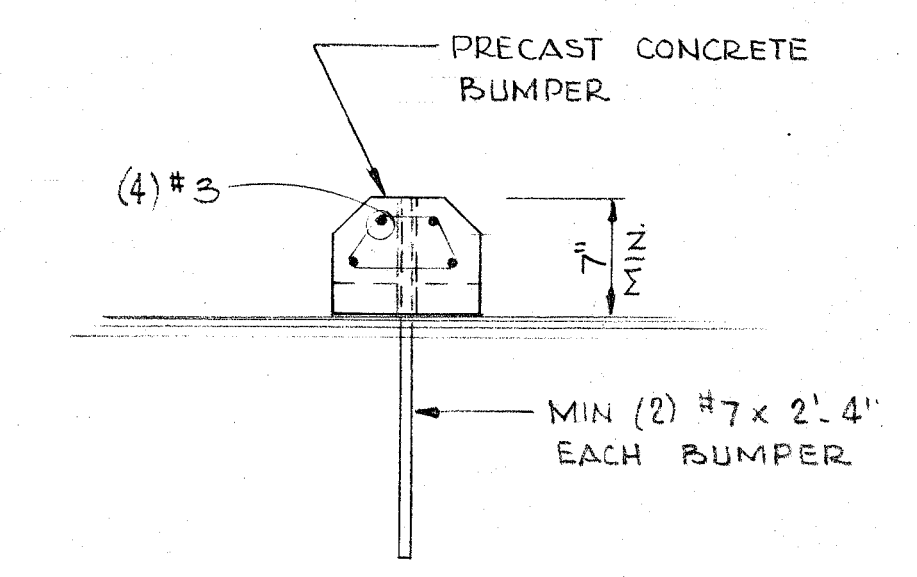
**DETAIL 2/4**  
1/2\"/>



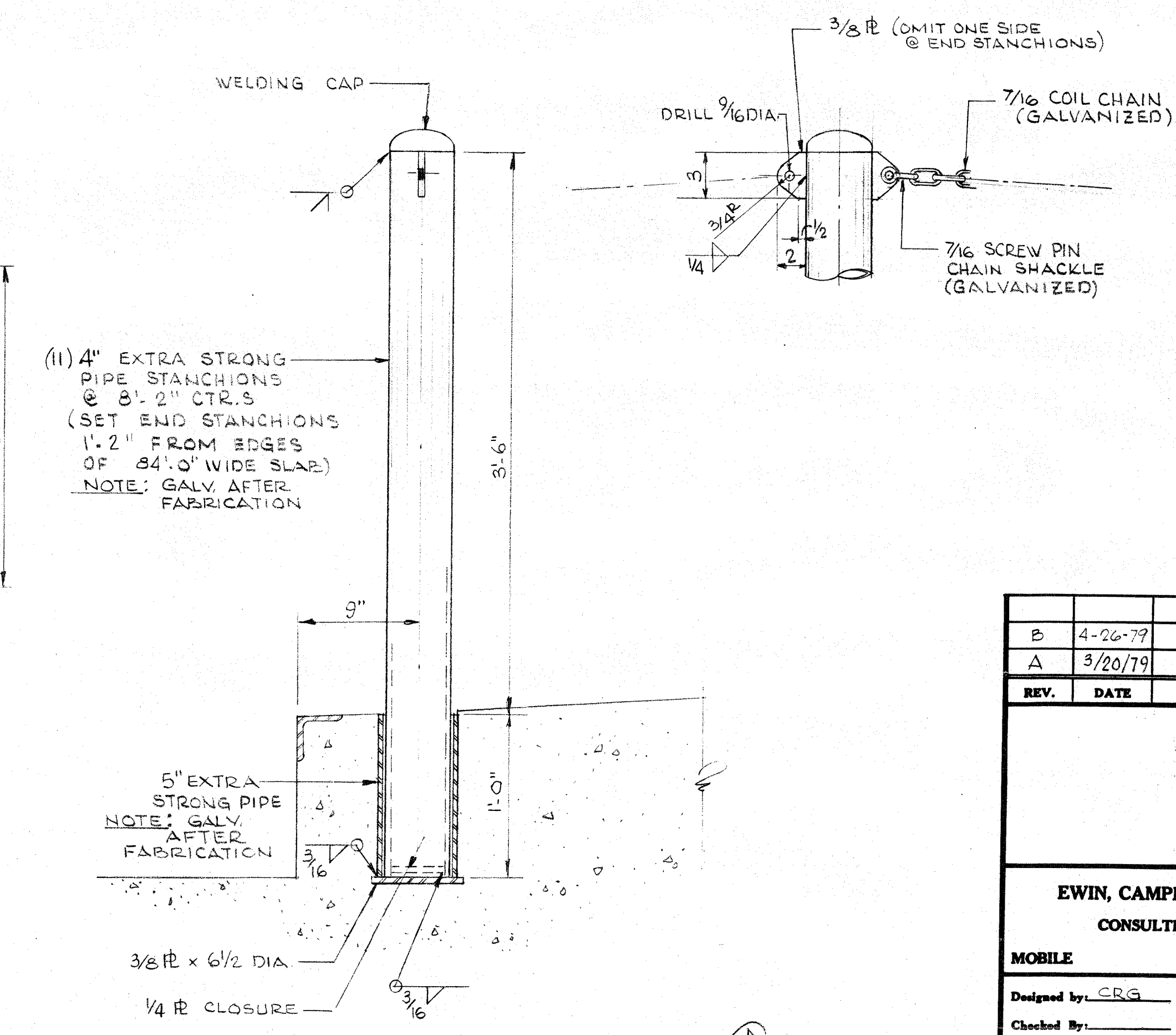
**BOLT ANCHOR HALF SIZE**



**DETAIL 3/4**  
1/2\"/>



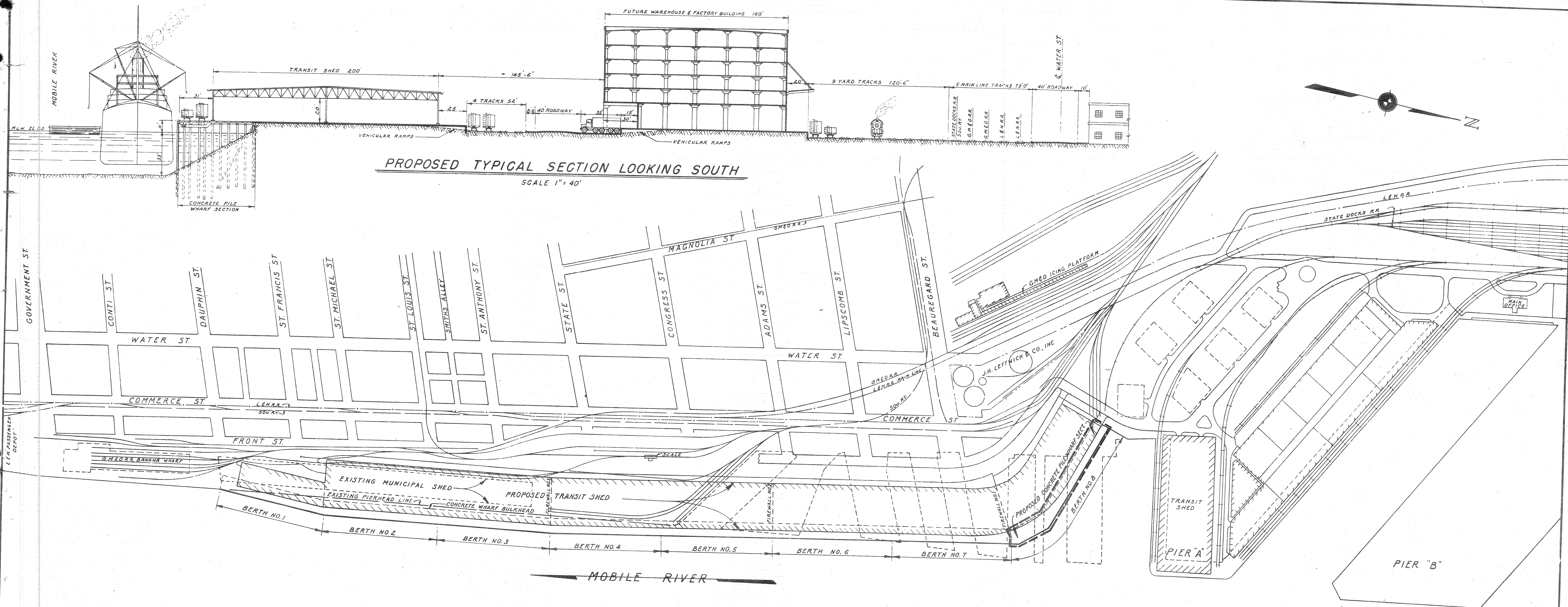
**DETAIL 4/4**  
NO SCALE



**DETAIL 5/4**  
1 1/2\"/>

REV.	DATE	DESCRIPTION
B	4-26-79	REVISED FOR CHANGE ORDER NO. 1
A	3/20/79	REVISED FOR ADDENDUM NO 2
<b>ALABAMA STATE DOCKS DEPARTMENT</b> MOBILE ALABAMA		
<b>EWIN, CAMPBELL &amp; GOTTLIEB</b> CONSULTING ENGINEERS MOBILE NEW ORLEANS		<b>BERTH NO.8 HEAD OF SLIP BULKHEAD</b> DETAILS
Designed by: <u>CRG</u> Drawn By: <u>REG</u> Checked By: _____ Date: <u>2-20-79</u> Approved: _____		<b>DRAWING NO. 4333-4</b>
Scale: NOTED		





# LIST OF PLANS FOR CONCRETE PILE WHARF SECTION- BERTH 8

LOCATION MAP	SHEET NO.	SPECIAL DETAILS SOUTH END	SHEET NO.
GENERAL PLAN & MISC. DETAILS	2	PLAN OF SWITCH & FROG & DETAILS	14
TYPICAL LONGITUDINAL SECT. & PART PLAN	3	TYPICAL DETAILS AT SHED COLUMNS	15 & 15A
PILING LAYOUT - BAYS 85 TO 98	4	NORTH END BULKHEAD	16
PILING LAYOUT - BAYS 98 TO III	5	PRECAST PILES & MISC. DETAILS	17
PILING LAYOUT - BAYS III TO 140	6	PLUMBING, DOWNSPOUTS & SHIP SERVICE DETAILS	18
FRAMING PLAN - BAYS 85 TO 98	7	PIPE SLEEVES & BOLT INSERTS FOR PIPING	19
FRAMING PLAN - BAYS 98 TO III	8	BENEATH DECK	10 A
FRAMING PLAN - BAYS III TO 140	9	DECK OPENINGS	10 B
TYPICAL SLAB REINF. DETAILS	10	PLAN & SECTIONS AT NORTH END	17 A
SLAB REINF. AT EXP. JTS. & EXP. JT. DETAILS	11		
TYPICAL BEAM-EXP. JT. & FUTURE RAIL DETS.	12		
TYPICAL TRANSVERSE SECTIONS	8 A, 8B, 8C		

STATE OF ALABAMA  
DEPT. OF STATE DOCKS & TERMINALS  
MOBILE, ALABAMA

## MARGINAL WHARF LOCATION MAP

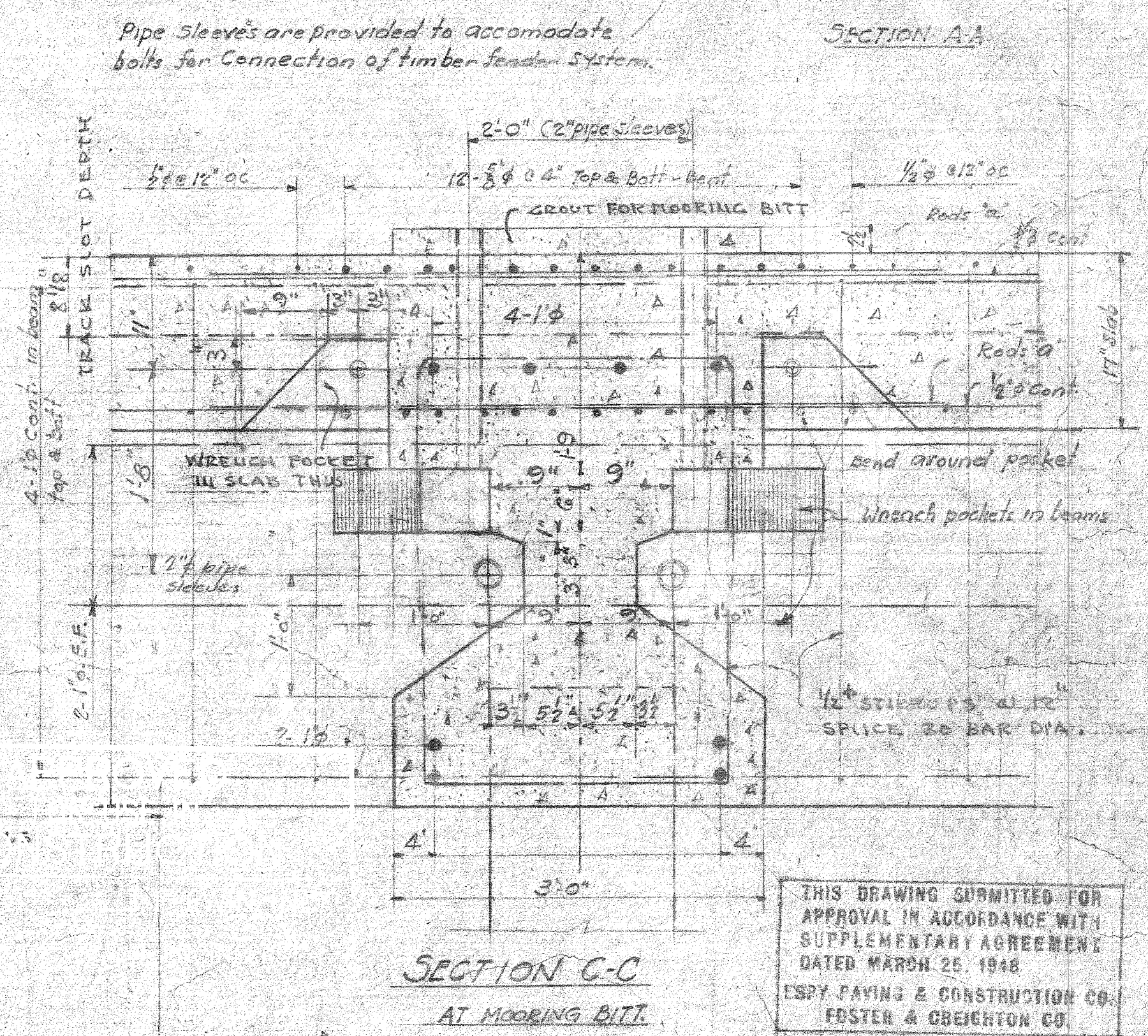
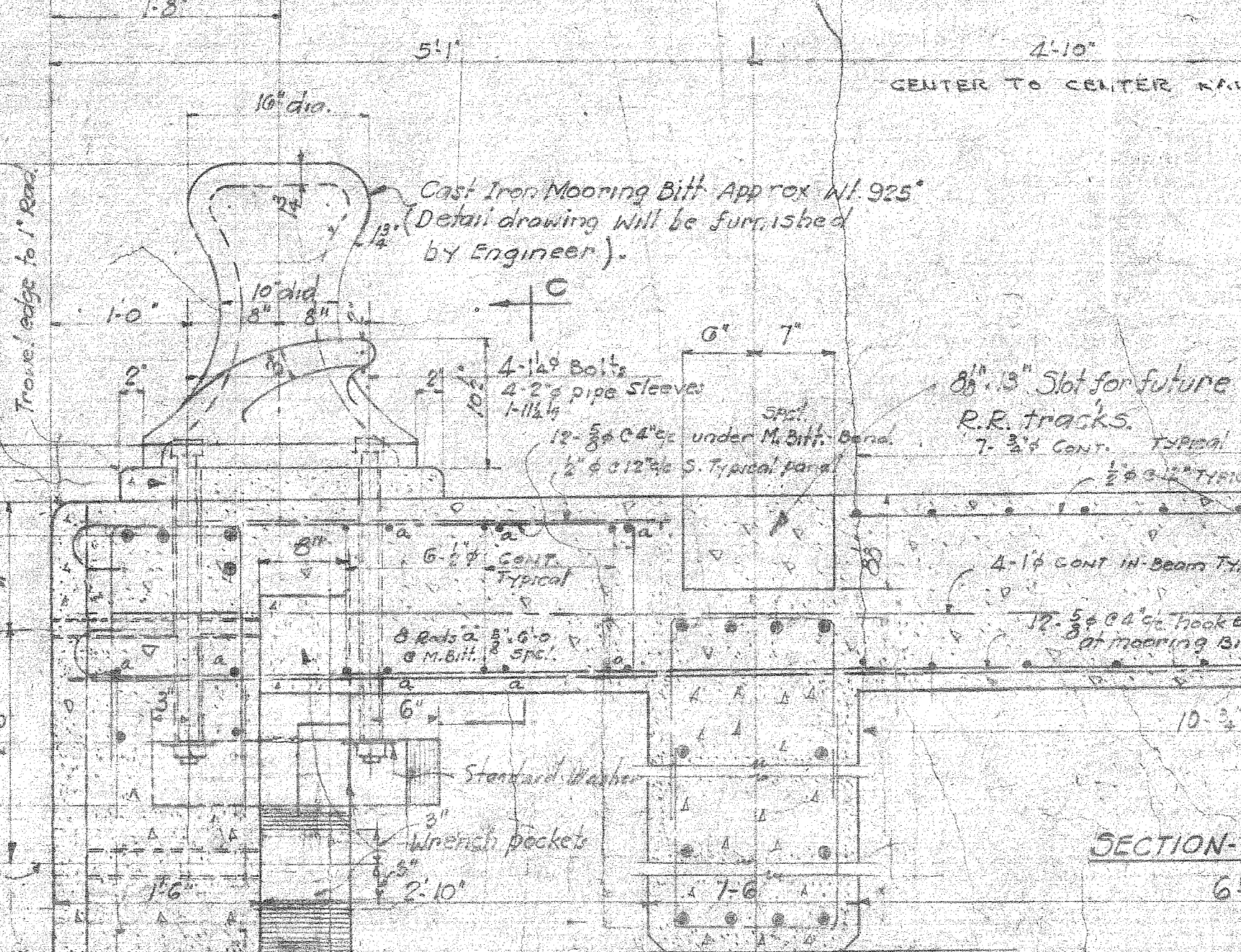
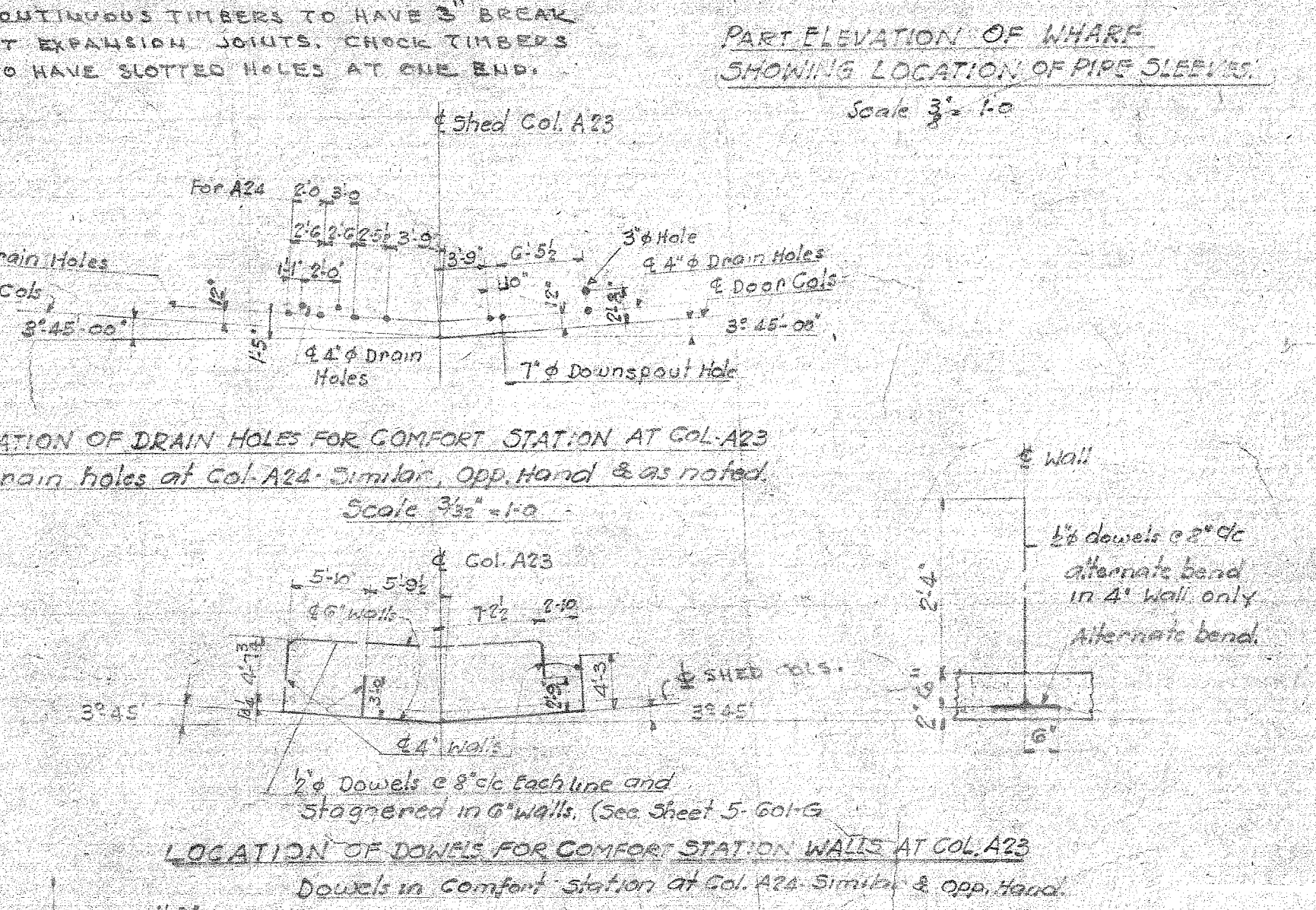
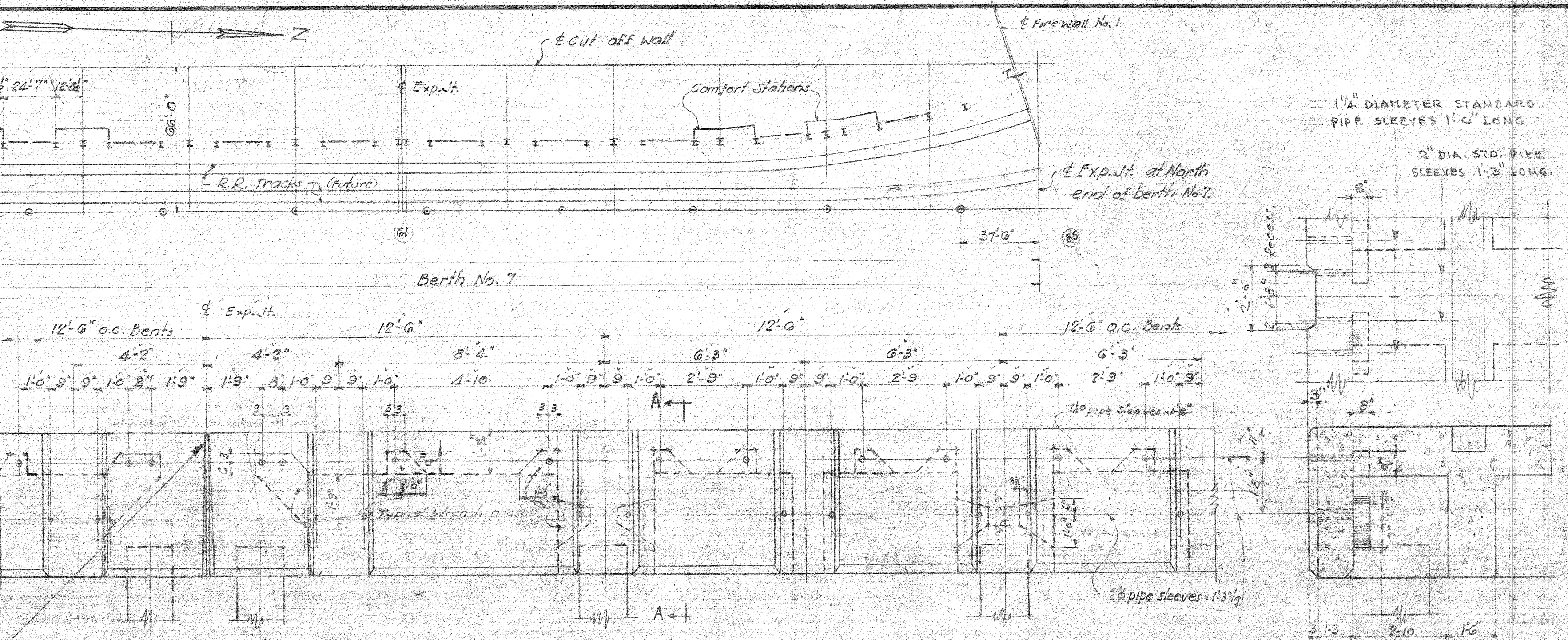
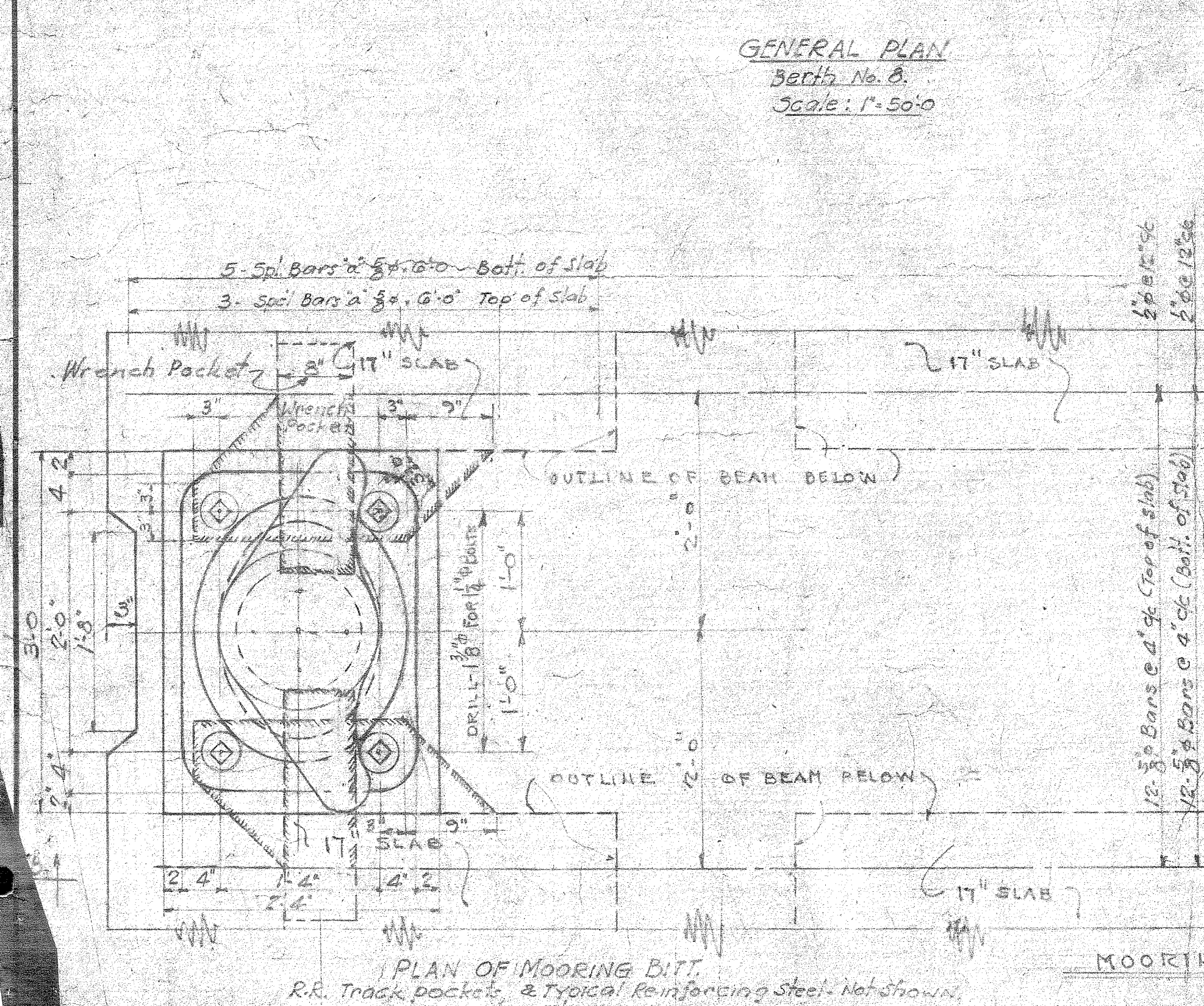
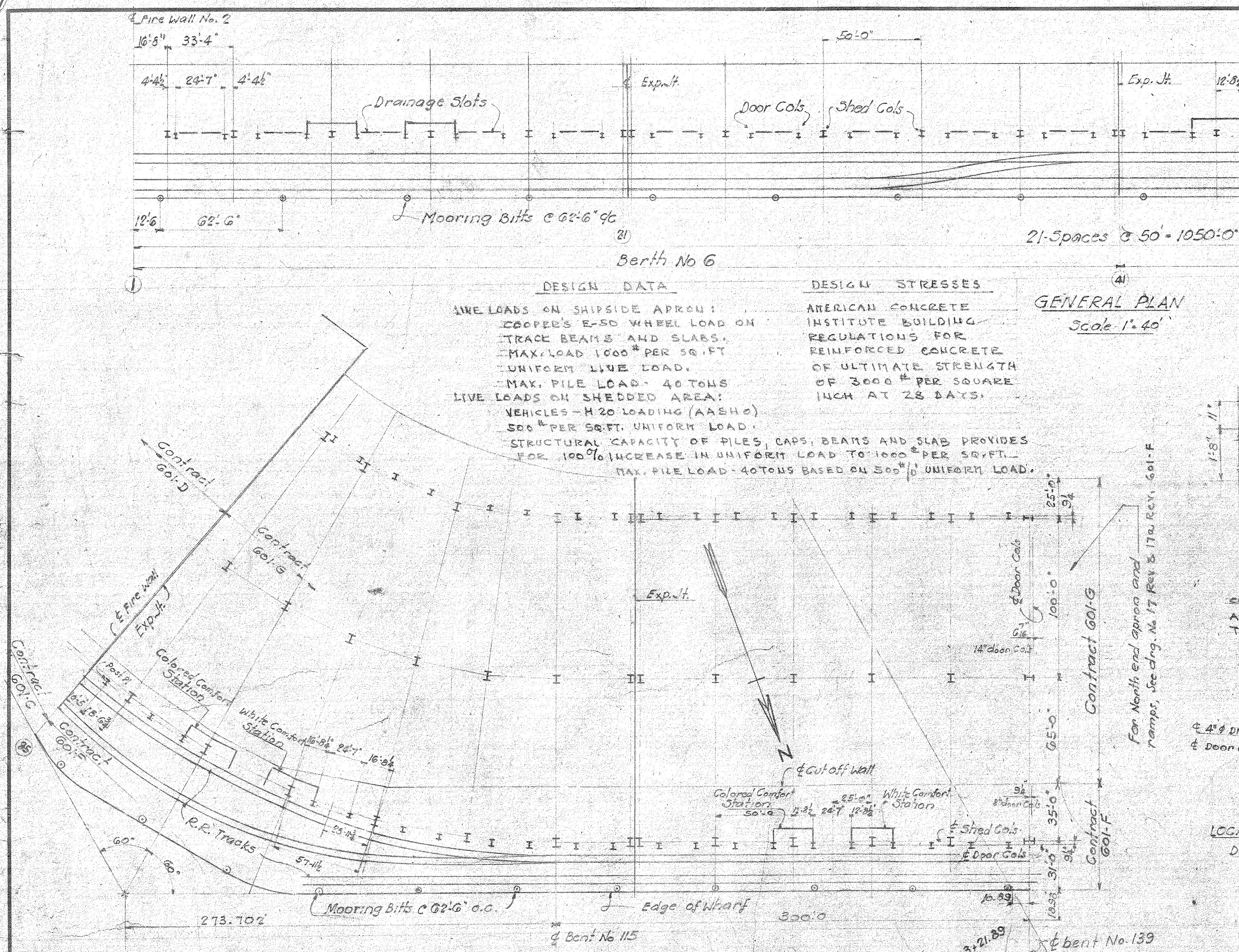
J. P. EWING, INC.  
ENGINEERS CONTRACTORS  
MOBILE, ALABAMA

DATE JUNE 10, 1947 DRAWN BY KING  
REVISED TRACED BY  
REVISED CHECKED BY  
SCALE 1" = 200'  
SHEET NO. 1 OF 19

CONTRACT NO. 601F

H-1-37





STATE OF ALABAMA  
DEPT. OF STATE DOCKS & TERMINALS  
MOBILE, ALABAMA

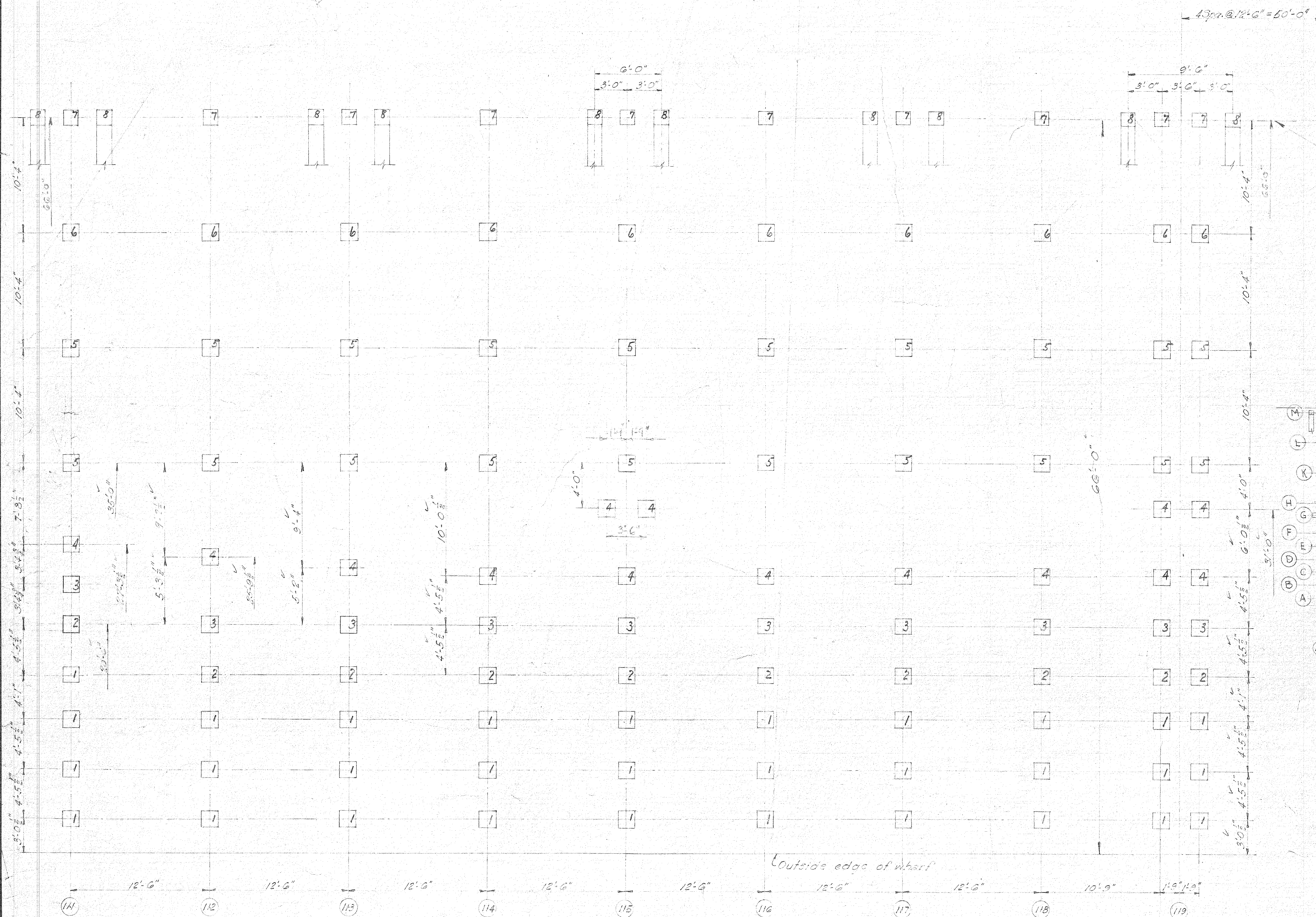
MARGINAL WHARF - BERTHS 5, 6, 7 & 8  
GENERAL PLAN AND  
MISCELLANEOUS DETAILS  
CONCRETE PILE WHARF SECTION

**J. P. EWING, INC.**  
ENGINEERS CONTRACTORS  
MOBILE, ALABAMA

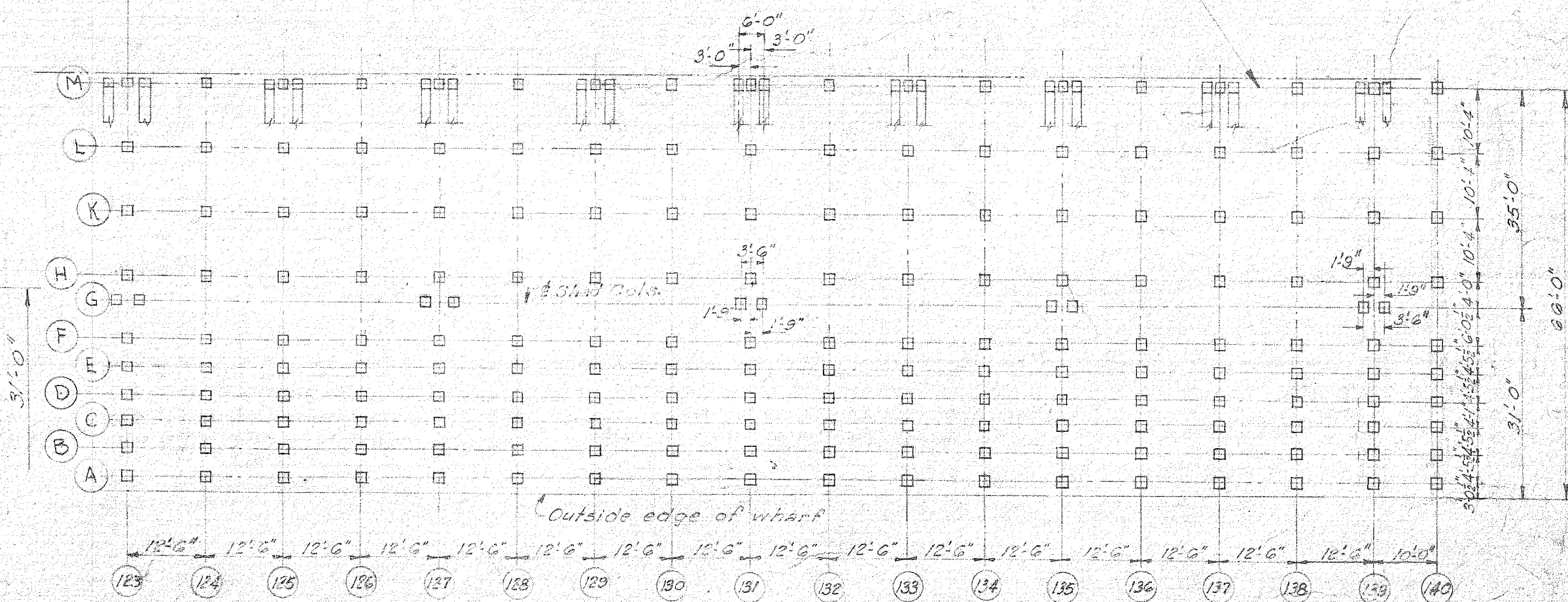
DATE 3-22-48  
REVISED 4-22-48  
REVISIONS  
SCALE  
SHEET No. 2 (REV.) OF 19  
SUBMITTAL No. 2 (REV.) OF 20

DRAWN BY A.W.O.  
TRACED BY  
CHECKED BY BRUN  
601-F SHT. 2  
CONTRACT NO. 601-C (SHT. 2)





All piles in this line 18" Sq. Concrete  
All other piles 18" Sq. Concrete  
See 3.1.1.15



SCALE: 1"=20'

**PILE SCHEDULE**

ROWS "A" & "C"	- PILES NO 1, 60 FT, 18" x 18"
ROW "D"	- " 2, 57 " , 18" x 18"
ROW "E"	- " 3, 56 " , 18" x 18"
ROWS "F" & "G"	- " 4, 55 " , 18" x 18"
ROWS "H" & "K"	- " 5, 54 " , 18" x 18"
ROW "L"	- " 6, 50 " , 18" x 18"
ROW "M, VERTICAL"	- " 7, 45 " , 16" x 16"
ROW "M, BATTER PILES"	- " 8, 50 " , 16" x 16"

**PILE SCHEDULE**

FILES NO 1 - 60 FT, 18" x 18"
" 2 - 57 " , 18" x 18"
" 3 - 56 " , 18" x 18"
" 4 - 55 " , 18" x 18"
" 5 - 54 " , 18" x 18"
" 6 - 50 " , 18" x 18"
" 7 - 45 " , 16" x 16"
" 8 - 50 " , 16" x 16"

SCALE: 3/16"=1'-0"

STATE OF ALABAMA  
DEPT. OF STATE DOCKS & TERMINALS  
MOBILE, ALABAMA

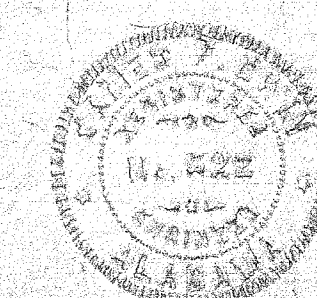
MARGINAL WHARF - BERTH 8  
PILING LAYOUT BAYS III TO I40  
CONCRETE PILE WHARF SECTION

J. P. EWING, INC.

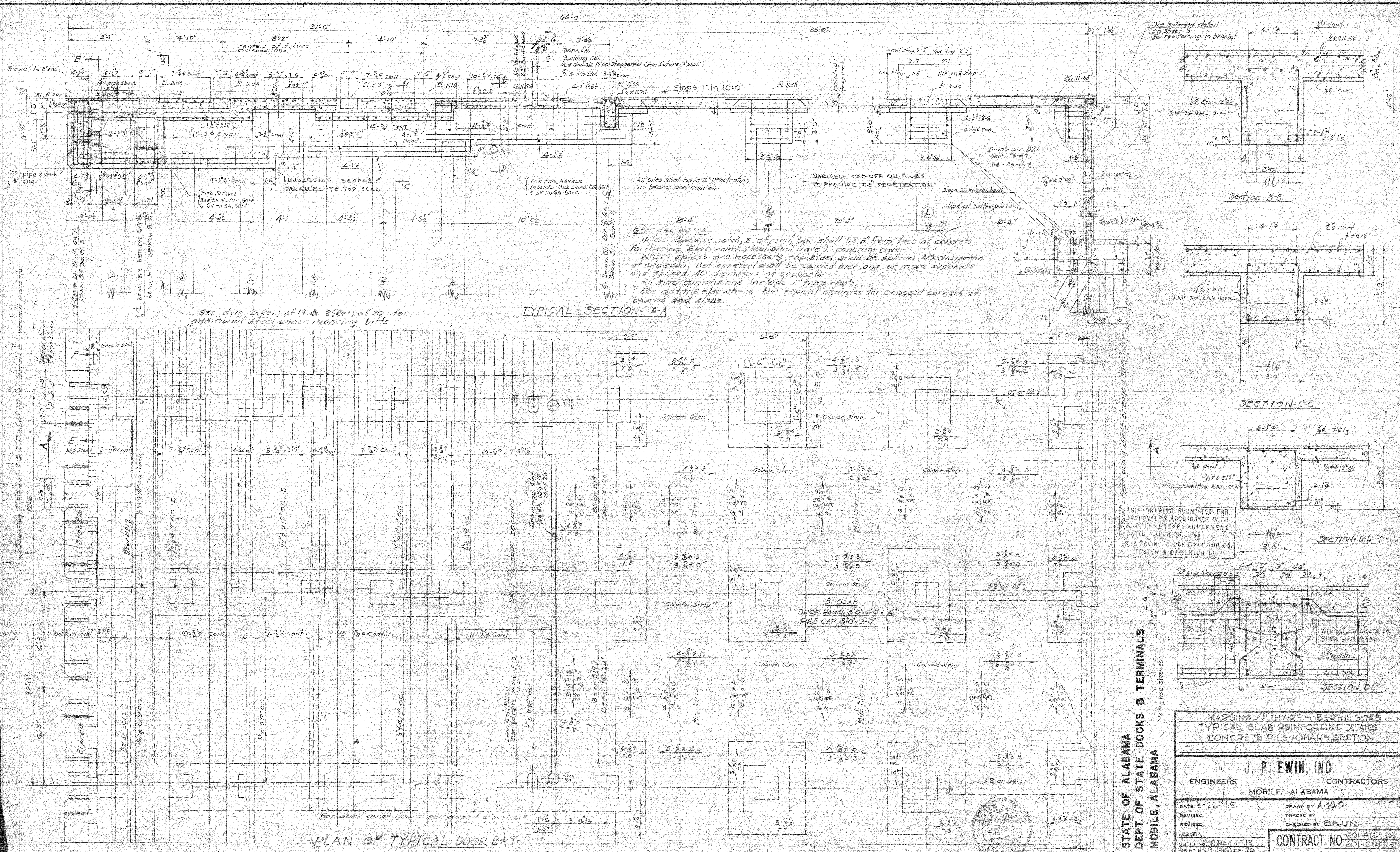
ENGINEERS CONTRACTORS  
MOBILE, ALABAMA

DATE 8-7-47 DRAWN BY E.C.A.  
REVISED TRACED BY  
REVISOR CHECKED BY  
SCALE AS SHOWN  
SHEET NO. 6 OF 19 CONTRACT NO. 601-F

H-1-37







**STATE OF ALABAMA**  
**DEPT. OF STATE DOCKS & TERMINALS**  
**MOBILE, ALABAMA**

MARGINAL WHARF - BERTHS 6-7-8  
TYPICAL SLAB REINFORCING DETAILS  
CONCRETE PILE WHARF SECTION

J. P. EWIN, INC.

ENGINEERS CONTRACTORS

MOBILE, ALABAMA

DATE 3-22-48 DRAWN BY A.W.O.  
REVISED TRACED BY  
REVISED CHECKED BY BRUN.  
SCALE  
SHEET NO. 10 (Pc.) OF 19  
SHEET NO. 9 (REV) OF 20

CONTRACT NO. 601-F (Sht. 10)  
601-C (Sht. 9)

14-1-37







