PROJECT MANUAL

FOR

VARIOUS SWIMMING POOLS REPAIRS AND IMPROVEMENTS AT:

JOHN KIDD PARK
800 EAST ST, MOBILE, AL 36610
PR-002-26

FIGURES PARK & COMMUNITY CENTER
658 DONALD ST, MOBILE, AL 36617
PR-003-26

JOSEPH C. DOTCH COMMUNITY CENTER
3100 BANK AVE, MOBILE, AL 36617
PR-005-26

HILLSDALE PARK & COMMUNITY CENTER
558 FELHORN RD E, MOBILE, AL 36608
PR-004-26

December 30, 2025

City of Mobile
Architectural Engineering Department
205 Government Plaza
P.O. Box 1827
Mobile, Alabama 36633-1827

Bid Date: January 14, 2026 **Set Number: _____**

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SECTION 00100
INVITATION TO BID

You are invited to submit a sealed bid for construction of the following facility:

PROJECT NAME:	John Kidd Park - Swimming Pool Repairs and Improvements
PROJECT LOCATION:	800 East St, Mobile, Al 36610
PROJECT NUMBER:	PR-002-23
PROJECT NAME:	Figures Park & Community Center - Swimming Pool Repairs and Improvements
PROJECT LOCATION:	658 Donald St, Mobile, Al 36617
PROJECT NUMBER:	PR-003-26
PROJECT NAME:	Joseph C. Dotch Community Center - Swimming Pool Repairs and Improvements
PROJECT LOCATION:	3100 Bank Ave, Mobile, Al 36617
PROJECT NUMBER:	PR-005-26
PROJECT NAME:	Hillsdale Park & Community Center - Swimming Pool Repairs and Improvements
PROJECT LOCATION:	558 Felhorn Rd E, Mobile, Al 36608
PROJECT NUMBER:	PR-004-26

1 BID DATE:

A. Sealed Bids will be received and clocked in until 2:15 PM local time, Wednesday, the 14th day of January, 2026. Bidders shall insert sealed Bids into a receptacle, marked "City of Mobile Bids", located in the elevator lobby outside the office of the City Clerk Office, 9th Floor South Tower, Government Plaza, 205 Government Street, Mobile, Alabama 36602.

B. All Bids not clocked in at the City Clerk's Office prior to the time specified, or Bids received after the specified time, will be automatically rejected and returned immediately, unopened.

C. Bids will be publicly opened and read at 2:30 PM local time, in the Atrium Lobby of Government Plaza.

2 SPECIFICATIONS AND DRAWINGS:

A. Specifications and Drawings are on file and may be examined and obtained from the following location: https://www.cityofmobile.org/bids/

B. Bidders shall use complete sets of Bid Documents in preparing their bid. Neither the Owner nor Architect/Engineer assumes responsibility for errors or misinterpretations resulting from the use of incomplete sets of Bid Documents.

C. **Addenda will be issued via e-mail to all Pre-Bid Conference attendees.**

D. **This is a tax exempt project and shall be certified by the requirements of the Alabama Department of Revenue. Bidders shall NOT include sales and use taxes with their bid amounts. Bidders shall complete the Sales Tax Form C-3A and include it as an attachment to their Bid Form (see Section 00400).**

E. Bidders must be pre-qualified before submitting a bid (see Section 01400 for requirements).

F. Product Substitutions must be pre-approved before the bid (see Section 01400 for requirements).

G. Subcontractors must be pre-qualified before submitting a bid (see section 01400 for requirements).

3 BID SURETY: Required on Bids $10,000.00 or more

A. A Cashier's Check drawn on a bank registered to do business in the State of Alabama and which is a member of the Federal Deposit Insurance Corporation, or a Bid Bond payable to Owner, City of Mobile, in the amount of 5% of the Base Bid, but in no event more than $10,000.00 is required to accompany Bid.

B. Bid Bond must be issued by a Surety licensed to do business in the State of Alabama. Bidder shall require the attorney in fact who executes the required bonds on behalf of the surety to affix to the bond a certified and current copy of the power of attorney.

C. No Bid may be modified, withdrawn, or canceled for a period of sixty (60) days after the time designated above for receipt of bids.

D. The City of Mobile will have sixty (60) days from the bid opening date to award contract.

4 SURETY QUALIFICATIONS:

A. A Surety authorized to do business in the State of Alabama must issue Bonds.

B. If the Base Bid is $50,000 or more, the Surety must have a minimum rating of A/Class VI as reported by the latest issue of Best Key Rating Guide Property-Casualty published by Alfred M. Best Company, Inc.

5 IRREGULARITIES AND REJECTION:

A. The City of Mobile reserves the right to waive irregularities in the Bid and in Bidding, and to reject any or all Bids.

6 BIDDER QUALIFICATIONS:

A. Bids for Work costing $50,000 or more must be licensed pursuant to current Alabama law and of classifications compliant with the State of Alabama Licensing Board for General Contractors. Note that if the contract amount is $10,000 or greater, both a Performance Bond and a Labor and Material Payment Bond shall be required. **Before Bidding, Contractor shall verify their license classification of their General Contractors license with the State of Alabama Licensing Board for General Contractors to verify classification is acceptable to perform 51% of the Scope of Work.**

B. In case of a joint venture of two or more Contractors, the amount for the bid shall be within the maximum bid limitations as set by the State of Alabama Licensing Board for General Contractors of at least one of the partners to the joint venture.

7 NON-RESIDENT CONTRACTORS:

A. Except for contracts funded in whole or part with funds received from a federal agency, preference shall be given to resident Contractors on the same basis as the nonresident Contractor's state awards contracts to Alabama Contractors bidding in similar circumstances.

B. Nonresident Bidders shall, prior to submitting a bid, be registered with the Alabama Secretary of State and the Alabama Department of Revenue. Provide the Secretary of State Business "Entity ID Number" on the Bid Form in the space provided.

8 PRE-BID CONFERENCE:

A. A mandatory Pre-Bid Conference shall be held on December 30, 2025, **at office of the Architectural Engineering, 5th Floor South Tower, Government Plaza, 205 Government Street, Mobile, Alabama 36602**, at 9:00 AM local time. It is the Contractor's responsibility and it is assumed that the contractor has visited each site prior to submitting a bid for the pool repairs and improvements. A representative of the Bidder is encouraged to be present at the meeting. Bidders are required to participate in the Pre-Bid Conference, visit al of the sites prior to submitting a Bid and include all costs associated with the project in their Bids.

B. Minutes of this conference will be made as an Addendum for the project.

9 BID SUBMITTAL:

A. Bids must be submitted on copies of the Bid Forms furnished in the bidding documents.

B. Bid, with Bid Security, Sales Tax Form C-3A, City of Mobile Subcontracting and Major Supplier Plan and other supporting data specified, shall be contained in a sealed, opaque envelope, approximately 9x12 inches or larger and be marked on the outside of each individual envelope with the words "**SEALED BID FOR 'THE FACILITY NAME' - SWIMMING POOL REPAIRS AND IMPROVEMENTS - PROJECT NUMBER: PROJECT NUMBER".**

C. The Bid envelope shall be clearly addressed to the Owner as indicated on the Bid Form and include the bid date, the name, address and State License number and classification of the Bidder issued by the State of Alabama Licensing Board for General Contractors.

D. All Bids of $50,000 or more must include the bidder's State of Alabama General Contractor's License information written on the outside of the bid envelope. Any bid submitted without such license information may be rejected and returned to the bidder unopened.

E. In addition, on each individual envelope, in large letters on both front and back of envelope, write the following: **DO NOT OPEN UNTIL TWO-THIRTY PM, JANUARY 14, 2026.**

F. For a bid to be valid it shall be delivered at designated location prior to time and date for receipt of Bids indicated in INVITATION TO BID, or prior to any extension thereof issued to Bidders. After that time no Bid will be received or withdrawn.

G. When sent by mail, preferably special delivery, express service, or registered mail, the sealed Bid, marked as indicated above, shall be enclosed in another envelope for mailing such that the exterior mailing container or envelope may be opened without revealing the contents of the Bid. It is the Contractors responsibility to assure delivery of the bid to the City Clerk's Office prior the time and date established.

10 EQUAL OPPORTUNITY:

A. The City of Mobile, Alabama is an Equal Opportunity Employer and requires that all Contractors comply with the Equal Employment Opportunity laws and the provisions of the Bid Documents in this regard.

B. The City of Mobile also encourages and supports the utilization of Minority Business Enterprises on these and all other publicly solicited Bids, and shall be in compliance with the City of Mobile's Minority Utilization Plan as adopted by the City Council.

C. Contractor shall provide an appropriately completed copy of the "City of Mobile Subcontracting and Major Supplier Plan" in the envelope with their Bid Form. Form shall document DBE Subcontractors participating in the project and, should the total % of DBE participation not meet the 15% minimum, all efforts to obtain DBE Subcontractors shall be documented on or attached to the DBE Form when submitted. During construction, contractors are required to submit a "DBE Utilization Report" with every Pay Application.

D. Contractors should contact the City of Mobile, Supplier Diversity Manager for assistance with DBE Subcontractor information and any questions regarding the DBE Compliance Forms. Contact Archnique Kidd at 251-208-7967.

E. A Directory of DBE Vendors can be found at the following location: https://workwith.cityofmobile.org/

11 ADDITIONAL BIDDING PROCEDURES:

A. Refer to the complete information in the Bid Documents prior to submitting a bid. Additional Bidding Procedure information is contained therein, particularly in the specification Section 00200 "Instructions to Bidders - AIA Document A701" and in the specification Section 00300 "Supplementary Instructions to Bidders".

12 STATE OF ALABAMA IMMIGRATION ACT

"The State of Alabama, under the Beason-Hammon Alabama Taxpayer and Citizen Protection Act, Act No. 2011-535, Alabama Code Section 31-13-1, et. Seq., requires:

A. That the Contractor shall be enrolled in the E-Verify Program, shall participate in that Program during the performance of the contract, and shall verify the immigration status of every employee who is required to be verified, according to the applicable federal rules and regulations; and

B. That it will attach to the contract the company's documentation of enrollment in E-Verify.

C. The subcontractor must also enroll in the E-Verify Program prior to performing any work on the contract and shall attach to its sworn affidavit documentation establishing that the subcontractor is enrolled in the E-Verify Program.

13 PUBLIC CONTRACTS WITH ENTITIES ENGAGING IN CERTAIN BOYCOTT ACTIVITIES

A. By signing this contract, Contractor further represents and agrees that it is not currently engaged in, nor will it engage in, any boycott of a person or entity based

in or doing business with a jurisdiction with which the State of Alabama can enjoy open trade.

14 FEDERAL CONDITIONS

A. This project is covered by the Davis Bacon and Related Acts (DBRA). See Section 00800 Federal Conditions.

15 SECRETARY OF STATE

A. The contractor must also provide documentation of being enrolled in the Alabama Secretary of State Business Identity Records within submitted bidding documentation.

END OF SECTION 00100

SECTION 00200

INSTRUCTIONS TO BIDDERS

THE ATTENTION OF ALL BIDDERS IS CALLED TO THE FOLLOWING INSTRUCTIONS AND CONDITIONS:

I. BIDDING DOCUMENTS:

A. Bidders may obtain complete sets of Bid Documents and Specifications (Project Manual) from the Department of Architectural Engineering as listed in the Invitation to Bid.

B. Bidders shall use the complete set of documents in preparing their bid. The City of Mobile assumes no responsibility for errors or misinterpretations resulting from use of an incomplete set of documents.

2. INTERPRETATION OF BID DOCUMENTS:

A. Bidders shall carefully study and compare the Bidding Documents and compare various components of the Bidding Documents with each other, shall examine the site and local conditions and shall at once report to the Project Manager any errors, inconsistencies or ambiguities discovered.

B. Bidders requiring clarification or interpretation of the Bidding Documents shall make a written request to the Project Manager by 3:00 PM at least five (5) calendar days prior to the date for receipt of Bids. E-mail requests are required and should be addressed to roger.washington@cityofmobile.org.

C. Interpretations, corrections and changes to the Bidding Documents will be made by a formal, written Addendum. Interpretations, corrections and changes to the Bidding Documents made in any other manner will not be binding, and Bidders shall not rely on them.

D. Any discrepancy not resolved prior to Bidding shall be bid by the Contractor to provide for the costliest and/or restrictive interpretation of the documents.

3. BIDDING PROCEDURES:

A. No Bid will be considered unless made out and submitted on a copy of the Bid Form as set forth by the Bid Documents.

B. All blanks on the Bid Form shall be legibly executed in a non-erasable medium.

C. Sums shall be expressed in both words and figures. In case of discrepancy, the amount written in words shall govern.

D. Interlineations, alterations and erasures must be initialed by the signer of the Bid.

E. All requested Alternates, Unit Prices and Allowances shall be bid as indicated on the Bid Form and the Bid Documents.

F. Addenda shall be considered as a part of the Bid Documents and those issued prior to the opening of Bids shall be acknowledged on the Bid Form and any adjustment in cost shall be included in the Contract Sum.

4. BID SECURITY:

A. A Cashier's Check drawn on a bank registered to do business in the State of Alabama and which is a member of the Federal Deposit Insurance Corporation or Bid Bond payable to Owner, City of Mobile, in the amount of 5% of the Base Bid, but in no event more than $10,000.00, must accompany bid. By submitting a Bid Security, the Bidder pledges to enter into a Contract with the City of Mobile on the terms stated in the Bid, and will, if required, furnish bonds covering faithful performance of the Contract and required insurance certificate. Should the Bidder refuse to enter into such Contract or fail to furnish such bonds or insurance or any other required document, the amount of the Bid security shall be forfeited to the Owner as liquidated damages, not as a penalty.

B. Bid Bond shall be valid for a minimum of sixty (60) days from the date of the Bid. The Owner reserves the right to retain the security of all Bidders until the successful Bidder enters into the Contract or until (60) days after Bid opening, whichever is sooner.

C. Bonds must be issued by a Surety licensed to do business in the State of Alabama. If the project cost is more than $50,000.00 the Surety must have a minimum rating of A/Class VI as reported by the latest issue of Best's Key Rating Guide Property-Casualty published by Alfred M. Best Company, Inc.

D. Power of Attorney is required for all Bonds.

5. EXAMINATION OF DOCUMENTS AND SITE WORK:

A. Before submitting a Bid, Bidders should carefully examine the Bid Documents, visit all of the sites of the Work the Contractor plans to submit a bid for, including attendance at the MANDATORY Pre-Bid conference, fully inform themselves as to existing conditions and limitations, and include in the Bid a sum to cover the cost of all items included in the Contract and necessary to perform the Work. The submission of a Bid will be considered as conclusive evidence that the Bidder has made such examination.

6. SUBMISSION OF BIDS:

A. Bid, with Bid Security, Sales Tax Form C-3A, and other supporting data specified, shall be contained in a sealed, opaque envelope, approximately 9x12 inches or larger and be marked on the outside of each individual envelope with the words "**SEALED BID FOR 'THE FACILITY NAME' - SWIMMING POOL REPAIRS AND IMPROVEMENTS - PROJECT NUMBER: PROJECT NUMBER**", the Bid Date, and Contractor's name, address, and City of Mobile Business License number. And, if bidding in an amount $50,000 or greater, the State of Alabama General Contractor's License number and classification of

the Bidder issued by the State of Alabama Licensing Board for General Contractors shall be written on the envelope.

B. Bids shall be deposited at the designated location prior to the time and date for receipt of Bids. Bids received after the time and date specified in the Invitation to Bid, or as modified by Addendum, will not be considered. Late Bids will be returned to the Bidder unopened.

C. The Bidder shall assume full responsibility for timely delivery at the location designated for receipt of Bids.

D. Oral, telephonic, facsimile or other electronically transmitted bids will not be considered.

7. MODIFICATION OR WITHDRAWAL OF BIDS:

A. A Bid may not be modified, withdrawn, or canceled by the Bidder for a period of sixty (60) days following the time and date designated for receipt of bids, and each Bidder so agrees in submitting a Bid.

8. CONSIDERATION AND AWARD OF BIDS:

A. At the discretion of the City, the properly identified Bids received on time will be publicly opened and will be read aloud.

B. The City shall have the right to reject any and all Bids. A Bid not accompanied by a required Bid security or a Bid which is in any way incomplete or irregular is subject to rejection.

C. It is the intent of the City to award a Contract to the lowest qualified Bidder provided the Bid has been submitted in accordance with the requirements of the Bidding Documents and does not exceed the funds available. The City shall have the right to waive informalities and irregularities in a Bid received and to accept the Bid which, in the City's judgment, is in the City's best interest.

D. The award shall be based on the lowest Total Bid for the Base Bid and any allowances, plus any alternates that may be accepted, as listed on the Bid Form.

9. PROOF OF COMPETENCY OF BIDDER:

A. Bidders may be required to furnish evidence satisfactory to the City of Mobile that they have sufficient means and experience in the types of work called for to assure the completion of the Contract in a satisfactory manner.

10. SIGNING OF CONTRACT:

A. The Standard Agreement between the City of Mobile and the Contractor, included herein, shall serve as the Agreement between the City and the Contractor.

B. The Bidder to whom the Contract is awarded shall, within ten (10) calendar days of receiving the Contract Forms, properly execute and deliver to the Owner, the following items with the signed Agreement:

(1). Performance Bond and Labor and Material Payment Bond (originals);
(2). Certificate of Insurance (original) with endorsements to City of Mobile;
(3). Evidence of enrollment in the E-Verify program.
(4). Other documentation as required by the Contract Documents.
(5). Construction Schedule
(6). Schedule of Values

C. Failure or refusal to sign the Agreement or to provide Certificates of Insurance in a form satisfactory to the City of Mobile, E-Verify verification, or other required documentation, shall subject the Bidder to immediate forfeiture of Bid Security.

D. On all documents: City of Mobile Business License, the Alabama Secretary of State Business Identity, the Alabama Secretary of State Certificate of Authority (out of state contractors), E-verify documentation, and ACORD Insurance Form, the Contractors name shall be EXACTLY the same.

11. NONDISCRIMINATION:

A. Contractor shall comply with all Federal, State and local laws concerning discrimination, including Section 14.1 and Section 14.2, Code of the City of Mobile, adopted December 10, 1991.

12. AMERICANS WITH DISABILITIES ACT (ADA):

A. Bidders shall comply with the provisions of the Americans with Disabilities Act (ADA) of 1990 which prohibits discrimination against individuals with disabilities.

13. USE OF DOMESTIC PRODUCTS:

A. Section 39-3-1, Alabama Code, 1975, provides that the Contractor agree, in the execution of this Contract, to use materials, supplies and products manufactured, mined, processed or otherwise produced in the United States or its territories, if available at reasonable prices, and that breach of this Agreement by the Contractor shall result in the assessment of liquidated damages in an amount not less than $500.00 nor more than twenty (20) percent of gross amount of the Contract Price.

14. NON-RESIDENT (OUT OF STATE) CONTRACTORS:

A. Preference to Resident Contractors: Section 39-3-5, Code of Alabama, 1975, provides that a non-resident (out of State) bidder domiciled in a state which grants a preference to local Contractors is to be awarded a public contract on the same basis as the non-resident bidder's state awards contracts to Alabama bidders. Alabama bidders are given a preference to the same extent that a non-resident bidder receives a preference in his home state. A non-resident bidder must include with any written bid documents a written opinion of an attorney licensed to practice in the non-resident bidder's state declaring what preferences, if any, exists in the non-resident's state.

B. Certificate of Authority: All non-resident (out of State) corporations must register with the Secretary of State and obtain a Certificate of Authority before doing business in the State of Alabama. Out of state Bidders should register and secure the required Certificate before submitting a Bid. The account number shall be included on the Bid Form.

15. ALABAMA IMMIGRATION ACT:

A. The State of Alabama Immigration Law (Act No. 2011-535 as amended by Act No. 2012-491), requires that Contractors not violate federal immigration law or knowingly employ, hire for employment, or continue to employ an unauthorized alien within the State of Alabama. In addition, Contractors are required to enroll in the federal E-Verify program and submit verification of enrollment to the City of Mobile within ten (10) days of receiving the contract forms (see Section 00600).

16. CITY OF MOBILE BUSINESS LICENSE:

A. A City of Mobile Business License is required and must be current at time of contract award and throughout contract period.

17. CITY OF MOBILE CONTRACTOR'S BUSINESS LICENSE:

A. A City of Mobile Contractor's Business License is required and must be current at time of contract award and throughout contract period.

B. Contractor must qualify and post a $10,000 surety bond with the Land Use/Code Administration Department before a Contractor's Business License will be issued by the Revenue Department. Information on the City Contractor's License may be obtained by writing or calling:

Land Use/Code Administration
P.O. Box 1827
Mobile, Alabama 36633-1827
Phone: 251-208-7421

Revenue Department
P.O. Box 1827
Mobile, Alabama 36633-1827
Phone: 251-208-7461

18. CITY OF MOBILE BUILDING PERMIT:

A. A City of Mobile Building Permit is required and and shall be obtained from the City of Mobile, but at no cost to the Contractor.

B. Contractor is responsible for ensuring that all inspections are successfully performed in accordance with City of Mobile regulations.

19. CONSTRUCTION SCHEDULE AND ACCESS:

A. The project shall be completed within seventy-nine (79) calendar days from the date or by May 1, 2026 as indicated by the Notice to Proceed. Contract days are defined as 'calendar days', which **include** weekends and holidays.

B. The Pools will be closed, but community center's will remain open throughout the Construction period and the Contractor is directed to coordinate all areas of work and scheduling of work with the Owner. Within five days of the bid opening, the Apparent Low Bidder Contractor shall meet with the Owner to discuss Owner scheduling and priorities. Apparent Low Bidder shall then provide a proposed schedule within 5 calendar days of the initial meeting for Owner review and approval.

C. Contractor shall have access to the Site as approved by the Owner, but typically **Monday through Friday from 7:30 A.M. to 4:30 P.M.** Contractor is directed to coordinate all areas of work and scheduling with the Owner. After hours and weekend work will require prior approval of the Facility Staff and may require hiring of a guard at the contractor's expense.

D. The Contractor may be allowed additional construction days due to inclement conditions ("rain days") only as such are appropriately documented and are in excess of the NOAA/National Weather Service average (previous 5 years) for the given month. A "rain day" is defined as more than a "trace" (0.10") of rain falling within a given 24 hour period. The Contractor shall provide documentation and formally request any "rain days" they feel are legitimately due. Documentation shall be submitted to the Project Manager, in writing, within ten (10) calendar days of the rain event. Claim shall include documentation of trades adversely impacted and the impacted activities of each trade.

20. SITE CONSIDERATIONS:

A. It is the Contractor's responsibility to carefully remove and store any items not permanently installed within the work areas. It is recommended that the Contractor photograph, videotape or in some manner document any features to be removed and their condition, prior to removal.

B. Noise and strong smells shall be isolated or kept to a minimum when adjacent portions of the site are occupied.

C. Contractor shall be responsible to leave the work area and adjacent site clear of equipment and debris, etc. at the end of each work day. All final cleaning is the responsibility of the Contractor and shall be executed prior to acceptance for reuse of any portion of the site.

D. A dumpster and lay down area for Contractor materials and staging may be located at the site and located per the direction of the Owner. The Contractor is responsible for the removal of the dumpster, any storage containers and any security fencing, temporary erosion control (BMPs), etc. as soon as practical after their use by the Contractor or the work is complete.

21. SALES AND USE TAX EXEMPTION:

A. As per the State of Alabama ACT 2013-205, the Alabama Department of Revenue (ADOR) has been granted the authority to issue a "Certificate of Exemption from Sales and Use Tax for Governmental Entities" on construction projects. Therefore, this project shall qualify for State of Alabama Sales and Use Tax Exemptions under this ACT. It is the responsibility of the Bidder to confirm the potential tax exempt status of their bid with the ADOR and include any such savings in their bid, as well as accounting for same on their bid form attachment Sales Tax Form C-3A.

B. The full text of ACT 2013-205 is available on the State of Alabama Building Commission web-site at www.bc.alabama.gov .

22. SUBMISSION OF LIEN WAIVERS

A. At each monthly Application for Payment submitted to the owner, the Contractor shall provide completed lien waivers, including those from Subcontractors and material suppliers.

23. NOTICE OF COMPLETION:

A. For Contracts $50,000 or less:
Contractor shall provide proof of publication of Notice of Completion one time in a local newspaper, as required in the Title 39, Section 39-1-1, Subsection (g), of the Code of Alabama. Contractor shall also provide an electronic or hard copy of advertisement verbiage to the City of Mobile on Contractor letterhead for public posting for one week. This advertisement shall not begin until the Project has been accepted by the City of Mobile.

B. For Contracts $50,000 or greater:
Contractor shall provide proof of publication of Notice of Completion four successive weeks in a local newspaper, as required in the Title 39, Section 39-1-1, Subsection (f), of the Code of Alabama. This advertisement shall not begin until the Project has been accepted by the City of Mobile.

C. Notice of Completion advertisement shall read as follows:

STATE OF ALABAMA

COUNTY OF MOBILE

NOTICE OF COMPLETION
In accordance with Chapter 1, Title 39, Code of Alabama, 1975, NOTICE IS HEREBY given that (COMPANY NAME) has completed the contract for '**THE FACILITY NAME' - SWIMMING POOL REPAIRS AND IMPROVEMENTS - PROJECT NUMBER: PROJECT NUMBER**, in Mobile, Alabama. All persons having any claims for labor, material or otherwise in connection with this project

should immediately notify the Architectural Engineering Department, City of Mobile, P.O. Box 1827, Mobile, Alabama 36633-1827.

C. Advertisement shall not begin until the Project has been accepted by the City of Mobile as Substantially Complete.

24. CONTRACTOR WARRANTY AND CERTIFICATION:

A. Upon completion of the contract, the Contractor shall certify under oath that all bills have been paid in full.

B. Contractor shall provide a one year Labor and Materials Warranty on company letterhead in addition to other warranties required by the Bid Documents.

25. LIQUIDATED DAMAGES

A. A time charge equal to Two Hundred Fifty Dollars ($250.00) per calendar day will be made against the Contractor for the entire period that any part of the Work remains uncompleted, or any required closeout documents are not acceptably submitted, for more than thirty (30) calendar days after the time specified for the Substantial Completion for the Work, the amount of which shall be deducted by the owner, and shall be retained by the Owner out of monies otherwise due the Contractor I the final payment, not as a penalty, but as liquidated damages sustained.

26. **DISQUALIFICATION OF BIDDERS:**

Any bidder(s) may be disqualified from consideration for contract award for the following reasons:

a. Collusion: Any agreement or collusion among bidders or prospective bidders in restraint of freedom of competition to bid at a fixed price or to refrain from bidding or otherwise shall render the bids void and shall cause the bidders or prospective bidders to be disqualified from submitting further bids to the Awarding Authority on future lettings. (See Code of Alabama Section 39-2-6 for possible criminal sanctions).

b. Advance Disclosure: Any disclosure in advance of the terms of a bid submitted in response to an Advertisement for Bids shall render the proceedings void and require readvertisement and re-bid.

c. Failure to Settle Other Contracts: The Awarding Authority may reject a bid from a bidder who has not paid, or satisfactorily settled, all bills for labor and material on other contracts in force at the time of letting, completion of punch list, warranties and closeout documents

END OF SECTION

SECTION 00400
BID FORM

Copies of the following Bid Forms shall be used. Bids submitted on alternate forms may be rejected. Fill in all blank spaces with an appropriate entry. Bid Form must be signed by an officer of the company and notarized.

TO: City of Mobile, 205 Government St., P.O. Box 1827, Mobile, AL, 36633

REF: PROJECT NAME: Hillsdale Park & Community Center – Swimming Pool Repairs and Improvements
PROJECT LOCATION: 558 Felhorn Rd E, Mobile, Al 36608
PROJECT NUMBER: PR-004-26

In compliance with the Bid Documents and having carefully and thoroughly examined said documents for the subject Work prepared by the City of Mobile, Architectural Engineering Department dated December 29, 2025; and all Addendum (a) Number(s) _____, dated _____, 2026 (CAUTION: before submitting any bid it is the Bidder's responsibility to check with the Architectural Engineering Department for all Addenda or special instructions that may impact the Bid) thereto, receipt of which is hereby acknowledged, the premises and all conditions affecting the Work prior to making this Proposal, the Undersigned Bidder, hereby

COMPANY NAME:_____

ADDRESS:_____PHONE_____

ALABAMA GENERAL CONTRACTOR LICENSE NO. _____

CITY OF MOBILE BUSINESS LICENSE NO._____

SECRETARY OF STATE OF ALABAMA BUSINESS IDENTITY NO._____

SECRETARY OF STATE OF ALABAMA ACCOUNT NO._____

(Note: Secretary of State Account Number shall be filled in only by non-resident bidders)

(Check one) [ ] A Corporation [ ] A Partnership [ ] An Individual Doing Business

hereby proposes to furnish all labor, materials, tools, equipment, and supplies and to sustain all the expenses incurred in performing the Work on the above captioned Project in accordance with the terms of the Contract Documents, and all applicable laws and regulations for the sum listed below. The initial term of the Contract shall extend for seventy-nine (79) calendar days from the date of the Notice to Proceed or until May 1, 2026.

Base Bid:		$	**.00**
Contingency Allowance:	+	$	**10,000.00**
Plumbing Allowance:	+	$	**5,000.00**
Electrical Allowance:	+	$	**5,000.00**
Third-Party Pool Inspection Allowance:	+	$	**2,500.00**
Total Base Bid:		$	**.00**

(Fill in here and in Total Bid below)

TOTAL BASE BID: _____

_____ Dollars, ($ _____**.00**)
(Amount in Words) (Amount in Figures)

Additive Alternate #1: Pool Lighting Installation at Figures Park & Community Center.

_____ Dollars & No Cents $_____ .00

(Note: Show amount in both words and figures. In case of discrepancy, the amount in words shall govern). **Bids shall be provided in whole dollar amount with no cents.**

Unit Price #1: Provide and install all materials concrete deck repairs, including preparation and cool decking.

$_____ SF

Unit Price #2: Provide and install all materials pool shell repairs.

$_____ LF

CONTINGENCY ALLOWANCE: $10,000.00 lump sum Contingency Allowance shall be included in the Total Bid for work related to unforeseen conditions as approved by the Owner.

PLUMBING ALLOWANCE: $5,000.00 lump sum Plumbing Allowance shall be included in the Total Bid for work related to unforeseen plumbing conditions as approved by the Owner.

ELECTRICAL ALLOWANCE: $5,000.00 lump sum Contingency Allowance shall be included in the Total Bid for work related to unforeseen electrical conditions as approved by the Owner.

BID SECURITY: The undersigned Bidder agrees that the attached Bid Security, as a Cashier's Check drawn on a bank registered to do business in the State of Alabama and which is a member of the Federal Deposit Insurance Corporation, or a Bid Bond, made payable to the City of Mobile, in the amount of 5% of the bid amount, but in no event

more than $10,000, as the proper measure of liquidated damages which the City will sustain by the failure of the undersigned to execute the Contract. Said Bid Security shall become the property of the City of Mobile as liquidated damages as specified in the Contract Documents.

AMERICANS WITH DISABILITIES ACT (ADA): The undersigned Bidder agrees to fully comply with all requirements of the Americans with Disabilities Act of 1990 and the Amendment Act.

NONDISCRIMINATION: Contractor shall comply with all Federal, State and local laws concerning nondiscrimination, including but not limited to City of Mobile Ordinance No. 14-034 which requires, *inter alia*, that all contractors performing work for the City of Mobile not discriminate on the basis of race, creed, color, national origin or disability, require that all subcontractors they engage do the same, and make every reasonable effort to assure that fifteen percent of the work performed under contract be awarded to socially and economically disadvantaged individuals and business entities.

SIGNATURE: If the undersigned Bidder is incorporated, the entire legal title of the company followed by "a corporation" should be used. If Bidder is an individual, then that individual's full legal name followed by doing business as (d/b/a) and name of firm, if any, should be used. If Bidder is a partnership, then full name of each partner should be listed followed by "d/b/a" and name of firm, if any.

Ensure that name and exact arrangement thereof is the same on all forms submitted with this Bid. If a word is abbreviated in the official company name, such as "Co.", then use that abbreviation. If not abbreviated in the official name, spell out.

Bidder agrees not to revoke or withdraw this Bid until sixty (60) calendar days following the time and date for receipt of bids. If notified in writing of the acceptance of this Bid within this time period, Bidder agrees to execute a Contract based on this Bid on the proscribed form within ten (10) calendar days of said notification and to furnish Performance Bond and Materials and Payment Bond as specified.

COMPANY NAME:_____
(Printed or Typed)

BY:_____
(Signature of Company Officer)

COMPANY OFFICER:_____
(Printed or Typed)

TITLE_____ **DATE**_____**, 2026**
(Printed or Typed)

Sworn to and subscribed before me this _____ day of _____2026

_____
Notary Public

Attachments:
1. Bid Security, with Power of Attorney
2. Secretary of State Authorization (Out of state bidders only)
3. Sales Tax Form C-3A
4. Supplier Diversity Subcontracting & Major Supplier Plan

END OF BID FORM

ACCOUNTING OF SALES TAX
ATTACHMENT TO BID FORM SECTION 00400
SALES TAX FORM C-3A

To: City of Mobile **Date:**_____

Name of Project: Joseph C. Dotch Community Center - Swimming Pool Repairs and Improvements
Project Number: PR-005-23

SALES TAX ACCOUNTING

Pursuant to Act 2013-205, Section 1(g) the Contractor accounts for the sales tax NOT included in the bid proposal form as follows:

	ESTIMATED SALES TAX AMOUNT
OPTION ONE BASE BID:	$_____

Note: A completed Form C-3A: Accounting of Sales Tax must be submitted with the Proposal Form. Submission of Sales Tax Form C-3A with the Proposal Form is required; it is not optional. A proposal shall be rendered non-responsive if an Accounting of Sales Tax is not provided.

Legal Name of Bidder_____

Mailing Address_____

***By (Legal Signature)**_____

*Name (type or print)_____ (Seal)

*Title_____

Telephone Number_____

SECTION 00400
BID FORM

Copies of the following Bid Forms shall be used. Bids submitted on alternate forms may be rejected. Fill in all blank spaces with an appropriate entry. Bid Form must be signed by an officer of the company and notarized.

TO: City of Mobile, 205 Government St., P.O. Box 1827, Mobile, AL, 36633

REF: PROJECT NAME: Figures Park & Community Center – Swimming Pool Repairs and Improvements
PROJECT LOCATION: 658 Donald St, Mobile, Al 36617
PROJECT NUMBER: PR-005-26

In compliance with the Bid Documents and having carefully and thoroughly examined said documents for the subject Work prepared by the City of Mobile, Architectural Engineering Department dated December 29, 2025; and all Addendum (a) Number(s) _____, dated _____, 2026 (CAUTION: before submitting any bid it is the Bidder's responsibility to check with the Architectural Engineering Department for all Addenda or special instructions that may impact the Bid) thereto, receipt of which is hereby acknowledged, the premises and all conditions affecting the Work prior to making this Proposal, the Undersigned Bidder, hereby

COMPANY NAME:_____

ADDRESS:_____PHONE_____

ALABAMA GENERAL CONTRACTOR LICENSE NO. _____

CITY OF MOBILE BUSINESS LICENSE NO._____

SECRETARY OF STATE OF ALABAMA BUSINESS IDENTITY NO._____

SECRETARY OF STATE OF ALABAMA ACCOUNT NO._____

(Note: Secretary of State Account Number shall be filled in only by non-resident bidders)

(Check one) [ ] A Corporation [ ] A Partnership [ ] An Individual Doing Business

hereby proposes to furnish all labor, materials, tools, equipment, and supplies and to sustain all the expenses incurred in performing the Work on the above captioned Project in accordance with the terms of the Contract Documents, and all applicable laws and regulations for the sum listed below. The initial term of the Contract shall extend for seventy-nine (79) calendar days from the date of the Notice to Proceed or until May 1, 2026.

Base Bid:		$	.00
Contingency Allowance:	+	$	10,000.00
Plumbing Allowance:	+	$	5,000.00
Electrical Allowance:	+	$	5,000.00
Third-Party Pool Inspection Allowance:	+	$	2,500.00
Total Base Bid:		$	.00

(Fill in here and in Total Bid below)

TOTAL BASE BID: _____

_____ Dollars, ($ _____**.00**)
(Amount in Words) (Amount in Figures)

(Note: Show amount in both words and figures. In case of discrepancy, the amount in words shall govern). **Bids shall be provided in whole dollar amount with no cents.**

Unit Price #1: Provide and install all materials concrete deck repairs, including preparation and cool decking.

$_____ SF

Unit Price #2: Provide and install all materials pool shell repairs.

$_____ LF

CONTINGENCY ALLOWANCE: $10,000.00 lump sum Contingency Allowance shall be included in the Total Bid for work related to unforeseen conditions as approved by the Owner.

PLUMBING ALLOWANCE: $5,000.00 lump sum Plumbing Allowance shall be included in the Total Bid for work related to unforeseen plumbing conditions as approved by the Owner.

ELECTRICAL ALLOWANCE: $5,000.00 lump sum Contingency Allowance shall be included in the Total Bid for work related to unforeseen electrical conditions as approved by the Owner.

BID SECURITY: The undersigned Bidder agrees that the attached Bid Security, as a Cashier's Check drawn on a bank registered to do business in the State of Alabama and which is a member of the Federal Deposit Insurance Corporation, or a Bid Bond, made payable to the City of Mobile, in the amount of 5% of the bid amount, but in no event more than $10,000, as the proper measure of liquidated damages which the City will sustain by the failure of the undersigned to execute the Contract. Said Bid Security shall become the property of the City of Mobile as liquidated damages as specified in the Contract Documents.

AMERICANS WITH DISABILITIES ACT (ADA): The undersigned Bidder agrees to fully comply with all requirements of the Americans with Disabilities Act of 1990 and the Amendment Act.

NONDISCRIMINATION: Contractor shall comply with all Federal, State and local laws concerning nondiscrimination, including but not limited to City of Mobile Ordinance No. 14-034 which requires, *inter alia*, that all contractors performing work for the City of Mobile not discriminate on the basis of race, creed, color, national origin or disability, require that all subcontractors they engage do the same, and make every reasonable effort to assure that fifteen percent of the work performed under contract be awarded to socially and economically disadvantaged individuals and business entities.

SIGNATURE: If the undersigned Bidder is incorporated, the entire legal title of the company followed by "a corporation" should be used. If Bidder is an individual, then that individual's full legal name followed by doing business as (d/b/a) and name of firm, if any, should be used. If Bidder is a partnership, then full name of each partner should be listed followed by "d/b/a" and name of firm, if any.

Ensure that name and exact arrangement thereof is the same on all forms submitted with this Bid. If a word is abbreviated in the official company name, such as "Co.", then use that abbreviation. If not abbreviated in the official name, spell out.

Bidder agrees not to revoke or withdraw this Bid until sixty (60) calendar days following the time and date for receipt of bids. If notified in writing of the acceptance of this Bid within this time period, Bidder agrees to execute a Contract based on this Bid on the proscribed form within ten (10) calendar days of said notification and to furnish Performance Bond and Materials and Payment Bond as specified.

COMPANY NAME:_____
(Printed or Typed)

BY:_____
(Signature of Company Officer)

COMPANY OFFICER:_____
(Printed or Typed)

TITLE_____ **DATE**_____**, 2026**
(Printed or Typed)

Sworn to and subscribed before me this _____ day of _____2026

_____
Notary Public

Attachments: 1. Bid Security, with Power of Attorney
2. Secretary of State Authorization (Out of state bidders only)
3. Sales Tax Form C-3A

4. Supplier Diversity Subcontracting & Major Supplier Plan

END OF BID FORM

ACCOUNTING OF SALES TAX
ATTACHMENT TO BID FORM SECTION 00400
SALES TAX FORM C-3A

To: City of Mobile **Date:**_____

Name of Project: Figures Park & Community Center - Swimming Pool Repairs and Improvements
Project Number: PR-003-23

SALES TAX ACCOUNTING

Pursuant to Act 2013-205, Section 1(g) the Contractor accounts for the sales tax NOT included in the bid proposal form as follows:

	ESTIMATED SALES TAX AMOUNT
OPTION ONE BASE BID:	$_____
ALTERNATE NO. 1:	$_____

Note: A completed Form C-3A: Accounting of Sales Tax must be submitted with the Proposal Form. Submission of Sales Tax Form C-3A with the Proposal Form is required; it is not optional. A proposal shall be rendered non-responsive if an Accounting of Sales Tax is not provided.

Legal Name of Bidder_____

Mailing Address_____

***By (Legal Signature)**_____

*Name (type or print)_____ (Seal)

*Title_____

Telephone Number_____

SECTION 00400
BID FORM

Copies of the following Bid Forms shall be used. Bids submitted on alternate forms may be rejected. Fill in all blank spaces with an appropriate entry. Bid Form must be signed by an officer of the company and notarized.

TO: City of Mobile, 205 Government St., P.O. Box 1827, Mobile, AL, 36633

REF: PROJECT NAME: Hillsdale Park & Community Center – Swimming Pool Repairs and Improvements
PROJECT LOCATION: 558 Felhorn Rd E, Mobile, AL 36608
PROJECT NUMBER: PR-004-26

In compliance with the Bid Documents and having carefully and thoroughly examined said documents for the subject Work prepared by the City of Mobile, Architectural Engineering Department dated December 29, 2025; and all Addendum (a) Number(s) _____, dated _____, 2026 (CAUTION: before submitting any bid it is the Bidder's responsibility to check with the Architectural Engineering Department for all Addenda or special instructions that may impact the Bid) thereto, receipt of which is hereby acknowledged, the premises and all conditions affecting the Work prior to making this Proposal, the Undersigned Bidder, hereby

COMPANY NAME:_____

ADDRESS:_____PHONE_____

ALABAMA GENERAL CONTRACTOR LICENSE NO. _____

CITY OF MOBILE BUSINESS LICENSE NO._____

SECRETARY OF STATE OF ALABAMA BUSINESS IDENTITY NO._____

SECRETARY OF STATE OF ALABAMA ACCOUNT NO._____

(Note: Secretary of State Account Number shall be filled in only by non-resident bidders)

(Check one) [ ] A Corporation [ ] A Partnership [ ] An Individual Doing Business

hereby proposes to furnish all labor, materials, tools, equipment, and supplies and to sustain all the expenses incurred in performing the Work on the above captioned Project in accordance with the terms of the Contract Documents, and all applicable laws and regulations for the sum listed below. The initial term of the Contract shall extend for seventy-nine (79) calendar days from the date of the Notice to Proceed or until May 1, 2026.

Base Bid:		$	.00
Contingency Allowance:	+	$	10,000.00
Plumbing Allowance:	+	$	5,000.00
Electrical Allowance:	+	$	5,000.00
Third-Party Pool Inspection Allowance:	+	$	2,500.00
Total Base Bid:		$	.00

(Fill in here and in Total Bid below)

TOTAL BASE BID: _____

_____ Dollars, ($ _____**.00**)
(Amount in Words) (Amount in Figures)

(Note: Show amount in both words and figures. In case of discrepancy, the amount in words shall govern). **Bids shall be provided in whole dollar amount with no cents.**

Unit Price #1: Provide and install all materials concrete deck repairs, including preparation and cool decking.

$_____ SF

Unit Price #2: Provide and install all materials pool shell repairs.

$_____ LF

CONTINGENCY ALLOWANCE: $10,000.00 lump sum Contingency Allowance shall be included in the Total Bid for work related to unforeseen conditions as approved by the Owner.

PLUMBING ALLOWANCE: $5,000.00 lump sum Plumbing Allowance shall be included in the Total Bid for work related to unforeseen plumbing conditions as approved by the Owner.

ELECTRICAL ALLOWANCE: $5,000.00 lump sum Contingency Allowance shall be included in the Total Bid for work related to unforeseen electrical conditions as approved by the Owner.

BID SECURITY: The undersigned Bidder agrees that the attached Bid Security, as a Cashier's Check drawn on a bank registered to do business in the State of Alabama and which is a member of the Federal Deposit Insurance Corporation, or a Bid Bond, made payable to the City of Mobile, in the amount of 5% of the bid amount, but in no event more than $10,000, as the proper measure of liquidated damages which the City will sustain by the failure of the undersigned to execute the Contract. Said Bid Security shall become the property of the City of Mobile as liquidated damages as specified in the Contract Documents.

AMERICANS WITH DISABILITIES ACT (ADA): The undersigned Bidder agrees to fully comply with all requirements of the Americans with Disabilities Act of 1990 and the Amendment Act.

NONDISCRIMINATION: Contractor shall comply with all Federal, State and local laws concerning nondiscrimination, including but not limited to City of Mobile Ordinance No. 14-034 which requires, *inter alia*, that all contractors performing work for the City of Mobile not discriminate on the basis of race, creed, color, national origin or disability, require that all subcontractors they engage do the same, and make every reasonable effort to assure that fifteen percent of the work performed under contract be awarded to socially and economically disadvantaged individuals and business entities.

SIGNATURE: If the undersigned Bidder is incorporated, the entire legal title of the company followed by "a corporation" should be used. If Bidder is an individual, then that individual's full legal name followed by doing business as (d/b/a) and name of firm, if any, should be used. If Bidder is a partnership, then full name of each partner should be listed followed by "d/b/a" and name of firm, if any.

Ensure that name and exact arrangement thereof is the same on all forms submitted with this Bid. If a word is abbreviated in the official company name, such as "Co.", then use that abbreviation. If not abbreviated in the official name, spell out.

Bidder agrees not to revoke or withdraw this Bid until sixty (60) calendar days following the time and date for receipt of bids. If notified in writing of the acceptance of this Bid within this time period, Bidder agrees to execute a Contract based on this Bid on the proscribed form within ten (10) calendar days of said notification and to furnish Performance Bond and Materials and Payment Bond as specified.

COMPANY NAME:_____
(Printed or Typed)

BY:_____
(Signature of Company Officer)

COMPANY OFFICER:_____
(Printed or Typed)

TITLE_____ **DATE**_____**, 2026**
(Printed or Typed)

Sworn to and subscribed before me this _____ day of _____2026

_____
Notary Public

Attachments: 1. Bid Security, with Power of Attorney
2. Secretary of State Authorization (Out of state bidders only)
3. Sales Tax Form C-3A

4. Supplier Diversity Subcontracting & Major Supplier Plan

END OF BID FORM

ACCOUNTING OF SALES TAX
ATTACHMENT TO BID FORM SECTION 00400
SALES TAX FORM C-3A

To: City of Mobile **Date:**_____

Name of Project: Hillsdale Park & Community Center - Swimming Pool Repairs and Improvements
Project Number: PR-004-23

SALES TAX ACCOUNTING

Pursuant to Act 2013-205, Section 1(g) the Contractor accounts for the sales tax NOT included in the bid proposal form as follows:

	ESTIMATED SALES TAX AMOUNT
OPTION ONE BASE BID:	$_____

Note: A completed Form C-3A: Accounting of Sales Tax must be submitted with the Proposal Form. Submission of Sales Tax Form C-3A with the Proposal Form is required; it is not optional. A proposal shall be rendered non-responsive if an Accounting of Sales Tax is not provided.

Legal Name of Bidder_____

Mailing Address_____

***By (Legal Signature)**_____

*Name (type or print)_____ (Seal)

*Title_____

Telephone Number_____

SECTION 00400
BID FORM

Copies of the following Bid Forms shall be used. Bids submitted on alternate forms may be rejected. Fill in all blank spaces with an appropriate entry. Bid Form must be signed by an officer of the company and notarized.

TO: City of Mobile, 205 Government St., P.O. Box 1827, Mobile, AL, 36633

REF: PROJECT NAME: John Kidd Park - Swimming Pool Repairs and Improvements
PROJECT LOCATION: 800 East St, Mobile, Al 36610
PROJECT NUMBER: PR-002-23

In compliance with the Bid Documents and having carefully and thoroughly examined said documents for the subject Work prepared by the City of Mobile, Architectural Engineering Department dated December 29, 2025; and all Addendum (a) Number(s) _____, dated _____, 2026 (CAUTION: before submitting any bid it is the Bidder's responsibility to check with the Architectural Engineering Department for all Addenda or special instructions that may impact the Bid) thereto, receipt of which is hereby acknowledged, the premises and all conditions affecting the Work prior to making this Proposal, the Undersigned Bidder, hereby

COMPANY NAME:_____

ADDRESS:_____PHONE_____

ALABAMA GENERAL CONTRACTOR LICENSE NO. _____

CITY OF MOBILE BUSINESS LICENSE NO._____

SECRETARY OF STATE OF ALABAMA BUSINESS IDENTITY NO._____

SECRETARY OF STATE OF ALABAMA ACCOUNT NO._____

(Note: Secretary of State Account Number shall be filled in only by non-resident bidders)

(Check one) [ ] A Corporation [ ] A Partnership [ ] An Individual Doing Business

hereby proposes to furnish all labor, materials, tools, equipment, and supplies and to sustain all the expenses incurred in performing the Work on the above captioned Project in accordance with the terms of the Contract Documents, and all applicable laws and regulations for the sum listed below. The initial term of the Contract shall extend for seventy-nine (79) calendar days from the date of the Notice to Proceed or until May 1, 2026.

Base Bid:		$	.00
Contingency Allowance:	+	$	10,000.00
Plumbing Allowance:	+	$	5,000.00
Electrical Allowance:	+	$	5,000.00
Third-Party Pool Inspection Allowance:	+	$	2,500.00
Total Base Bid:		$	.00

(Fill in here and in Total Bid below)

TOTAL BASE BID: _____

_____ Dollars, ($ _____**.00**)
(Amount in Words) (Amount in Figures)

Additive Alternate #1: Pool Lighting Installation at John Kidd Park.

_____ Dollars & No Cents $_____ .00

Amount in Words Amount in #'s

(Note: Show amount in both words and figures. In case of discrepancy, the amount in words shall govern). **Bids shall be provided in whole dollar amount with no cents.**

Unit Price #1: Provide and install all materials concrete deck repairs, including preparation and cool decking.

$_____ SF

Unit Price #2: Provide and install all materials pool shell repairs.

$_____ LF

CONTINGENCY ALLOWANCE: $10,000.00 lump sum Contingency Allowance shall be included in the Total Bid for work related to unforeseen conditions as approved by the Owner.

PLUMBING ALLOWANCE: $5,000.00 lump sum Plumbing Allowance shall be included in the Total Bid for work related to unforeseen plumbing conditions as approved by the Owner.

ELECTRICAL ALLOWANCE: $5,000.00 lump sum Contingency Allowance shall be included in the Total Bid for work related to unforeseen electrical conditions as approved by the Owner.

BID SECURITY: The undersigned Bidder agrees that the attached Bid Security, as a Cashier's Check drawn on a bank registered to do business in the State of Alabama and

which is a member of the Federal Deposit Insurance Corporation, or a Bid Bond, made payable to the City of Mobile, in the amount of 5% of the bid amount, but in no event more than $10,000, as the proper measure of liquidated damages which the City will sustain by the failure of the undersigned to execute the Contract. Said Bid Security shall become the property of the City of Mobile as liquidated damages as specified in the Contract Documents.

AMERICANS WITH DISABILITIES ACT (ADA): The undersigned Bidder agrees to fully comply with all requirements of the Americans with Disabilities Act of 1990 and the Amendment Act.

NONDISCRIMINATION: Contractor shall comply with all Federal, State and local laws concerning nondiscrimination, including but not limited to City of Mobile Ordinance No. 14-034 which requires, *inter alia*, that all contractors performing work for the City of Mobile not discriminate on the basis of race, creed, color, national origin or disability, require that all subcontractors they engage do the same, and make every reasonable effort to assure that fifteen percent of the work performed under contract be awarded to socially and economically disadvantaged individuals and business entities.

SIGNATURE: If the undersigned Bidder is incorporated, the entire legal title of the company followed by "a corporation" should be used. If Bidder is an individual, then that individual's full legal name followed by doing business as (d/b/a) and name of firm, if any, should be used. If Bidder is a partnership, then full name of each partner should be listed followed by "d/b/a" and name of firm, if any.

Ensure that name and exact arrangement thereof is the same on all forms submitted with this Bid. If a word is abbreviated in the official company name, such as "Co.", then use that abbreviation. If not abbreviated in the official name, spell out.

Bidder agrees not to revoke or withdraw this Bid until sixty (60) calendar days following the time and date for receipt of bids. If notified in writing of the acceptance of this Bid within this time period, Bidder agrees to execute a Contract based on this Bid on the proscribed form within ten (10) calendar days of said notification and to furnish Performance Bond and Materials and Payment Bond as specified.

COMPANY NAME:_____
(Printed or Typed)

BY:_____
(Signature of Company Officer)

COMPANY OFFICER:_____
(Printed or Typed)

TITLE_____ **DATE**_____**, 2026**
(Printed or Typed)

Sworn to and subscribed before me this _____ day of _____2026

_____

Notary Public

Attachments:
1. Bid Security, with Power of Attorney
2. Secretary of State Authorization (Out of state bidders only)
3. Sales Tax Form C-3A
4. Supplier Diversity Subcontracting & Major Supplier Plan

END OF BID FORM

ACCOUNTING OF SALES TAX
ATTACHMENT TO BID FORM SECTION 00400
SALES TAX FORM C-3A

To: City of Mobile **Date:**_____

Name of Project: John Kidd Park - Swimming Pool Repairs and Improvements
Project Number: PR-002-23

SALES TAX ACCOUNTING

Pursuant to Act 2013-205, Section 1(g) the Contractor accounts for the sales tax NOT included in the bid proposal form as follows:

	ESTIMATED SALES TAX AMOUNT
OPTION ONE BASE BID:	$_____
ALTERNATE NO. 1:	$_____

Note: A completed Form C-3A: Accounting of Sales Tax must be submitted with the Proposal Form. Submission of Sales Tax Form C-3A with the Proposal Form is required; it is not optional. A proposal shall be rendered non-responsive if an Accounting of Sales Tax is not provided.

Legal Name of Bidder_____

Mailing Address_____

***By (Legal Signature)**_____

*Name (type or print)_____ (Seal)

*Title_____

Telephone Number_____

OFFICE OF SMALL BUSINESS DEVELOPMENT

CITY OF MOBILE

Subcontracting and Major Supplier Plan

Contact Office of Small Business Development for questions on completing this form.
Via email:Archnique.kidd@cityofmobile.org
251.208.7967

Bidders and Proposers – Please complete and submit these forms as required by your City of Mobile Bid or Proposal Specification.

If you are submitting a proposal in response to a Request for Qualifications, Request for Proposal, or other solicitation ("Solicitations") issued by the City of Mobile, the bid specification may require you to utilize disadvantaged business enterprise ("DBE") subcontractors and suppliers. If SBE participation is required, you must complete and submit these forms with your proposal. If required, failure to submit this form will render your bid non-responsive. NOTE: To satisfy participation requirements for a federally funded project, you must utilize SBEs certified through the Alabama Unified Certification Program.

If SBE participation is required, and you fail to satisfy the participation requirement, you must show that you made a good faith effort to include such participation; you will be required to submit DBE Compliance Form 2 and include additional information if needed. When so required, failure to address adequately the good faith effort factors on Form 2 will render your bid or proposal non-responsive. The "good faith effort" factors on Form 2 are not intended to be a mandatory, exhaustive, or exclusive.

You are encouraged to work with the City of Mobile Small Business Development Manager when preparing this form. Please consult with the City Small Business Development Manager for a list of eligible SBEs. The "good faith effort" factors on **Form 2** are not intended to be mandatory, exhaustive, or exclusive; they are a tool to help you, and the City of Mobile, determine whether you made efforts which, by their scope, intensity, and appropriateness to the objective, would reasonably be expected to fulfill the participation requirement.

About **"DBEs"**: Disadvantaged business enterprise or DBE means a for-profit small business concern (1) That is at least 51 percent owned by one or more individuals who are both socially and economically disadvantaged or, in the case of a corporation, in which 51 percent of the stock is owned by one or more such individuals; and (2) whose management and daily business operations are controlled by one or more of the socially and economically disadvantaged individuals who own it.

About **"Good Faith" Effort**: Good faith efforts mean efforts to achieve a DBE goal or other requirement of this part which, by their scope, intensity, and appropriateness to the objective, can reasonably be expected to fulfill the program requirement. The City of Mobile expects contractors holding large contracts to recruit and engage DBEs to be a part of their team.

Failure to submit this form, when so required by the bid or proposal specification, will render your bid non-responsive.

Contact Office of Small Business Development for questions on completing this form.
Via email:Archnique.kidd@cityofmobile.org
251.208.7967

FORM 1: Background and Plan

Section I. Information about your company

Company	
Address	
Telephone	
E-Mail	

RFP/RFQ Solicitation Number	
Project Description	
Is your company a DBE company?	Yes ☐ No ☐
Work force demographics	Male _____ Female _____ Minority _____ Non-minority _____SDVO _____ Total number of Employees ____

Subcontractor/Major Supplier Plan submitted by:

Printed Name: _____

Signature: _____Date: _____

Title: _____

The following employee will be designated as the **DBE Liaison** for all communication regarding DBE participation including documentation for DBE participation and maintenance of records of Good Faith Efforts for this contract award:

Name: _____Title: _____

Email: _____Phone: _____

Contact Office of Small Business Development for questions on completing this form.
Via email:Archnique.kidd@cityofmobile.org
251.208.7967

FORM 1: Background and Plan (Cont'd

Section II. Subcontractors/Major Vendors Supplier Plan submitted by:

Please Print Company_____ Your Bid/Proposal Amount $_____ Date:_____

Description_____ Name of Bidder/Proposer: _____

I intend to use the following subcontractors: (Attach additional pages if necessary)

Subcontractor or Major Supplier	Phone	Scope(s) of Work to be performed by the DBE, SDVOB	$$ Value of Proposed Contract with DBE	% of TOTAL Contract	DBE?	Official Verification Only

Form 2: Good Faith Effort Documentation

Name of Bidder: _____

Contact Person: _____ Phone: _____ Email: _____

Please complete this form if you are unable to identify DBE subcontractors or suppliers to reach 15% of the value of your bid.

YES (□)	NO (□)	Did you do these suggested areas for DBE recruitment and engagement
		PRE-BID MEETING(S): The bidder attended all pre-bid meetings scheduled by the City to inform DBEs of contracting and subcontracting opportunities.
		DBE/ALDOT DBE LIST(S): The bidder utilized the Office of Small Business Development list or lists of certified through the Alabama Department of Transportation UCP DBE Listing
		SMALL CONTRACT(S): The bidder selected specific portions of the work to be performed by DBEs in order to increase the likelihood of meeting the DBE goals (including breaking down contracts into smaller units to facilitate DBE participation). Consider support services, including insurance, accounting, temporary labor, and transportation, landscaping, and janitorial as potential areas for DBE use.
		FOLLOW-UP: The bidder followed-up initial indications of interest by DBEs by contacting those DBEs to determine with certainty if they remained interested in bidding.
		GOOD FAITH NEGOTIATIONS: The bidder negotiated in good faith with interested DBEs and did not reject DBEs as unqualified without sound business reasons based on a thorough investigation of their capabilities. Bidders are not expected to engage unqualified subcontractors or subcontractors whose pricing, after negotiation, remains excessive or unreasonable. (Please document qualification deficiencies or unreasonable pricing if it prevented your engagement of specific DBE subcontractors.)
		ADVERTISEMENT: The bidder advertised in general circulation and/or trade association publications concerning subcontracting opportunities and allowed DBEs reasonable time to respond.
		INTERNET ADVERTISING: The bidder advertised DBE and/or subcontracting opportunities in the newspaper or other internet portals that are accessible to DBEs and/or potential subcontractors.

		INFORMATION: The bidder provided interested DBEs with adequate information about the plans, specifications and requirements of the subcontract.
		WRITTEN NOTICE(S): The bidder/proposer took the necessary steps to provide written notice in a manner reasonably calculated to inform DBEs of subcontracting opportunities and allowed sufficient time for them to participate effectively.
		COMMUNITY RESOURCES: The bidder/proposer used the services of available community organizations, small and/or disadvantaged business assistance offices and other organizations that provided assistance in the recruitment and placement of DBE firms.

CONTRACT RECORDS:
The bidder/proposer has maintained the following records for each DBE that has bid on the subcontracting opportunity:
1. Name, address, email address and telephone number
2. A description of information provided by the bidder/proposer or subcontractor; and
3. A statement of whether an agreement was reached, and if not, why not, including any reasons for concluding that the DBE was unqualified to perform the job.

Section 2(B)

_____ There are not ways to break out 15% of the value of this contract for subcontractors / suppliers. Provide further details as to why and attach the document to this form if there is an inability to break out 15% of the value of the contract was the reason, or a reason, you could not meet the participation requirements.

_____ Could not find sufficient DBEs to provide subcontracting or supplier services.

_____ DBEs were available but did not have sufficient qualifications or experience to meet the needs of this contract.

Please indicate additional efforts you have taken to recruit and engage DBEs. _____

_____

_____

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME:	
	PHONE (A/C, No, Ext):	FAX (A/C, No):
	E-MAIL ADDRESS:	

INSURED	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A :	
	INSURER B :	
	INSURER C :	
	INSURER D :	
	INSURER E :	
	INSURER F :	

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	GENERAL LIABILITY						EACH OCCURRENCE	$ 1,000,000
	[X] COMMERCIAL GENERAL LIABILITY	X	X				DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 1,000,000
	[ ] CLAIMS-MADE [X] OCCUR						MED EXP (Any one person)	$ 5,000
	[X] Contractual Liability						PERSONAL & ADV INJURY	$ 1,000,000
							GENERAL AGGREGATE	$ 1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						PRODUCTS - COMP/OP AGG	$ 1,000,000
	[ ] POLICY [X] PRO-JECT [ ] LOC							$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$ 1,000,000
	[X] ANY AUTO	X	X				BODILY INJURY (Per person)	$
	[ ] ALL OWNED AUTOS [ ] SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	[ ] HIRED AUTOS [ ] NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
								$
	[X] UMBRELLA LIAB [X] OCCUR	X	X				EACH OCCURRENCE	$ 2,000,000
	[ ] EXCESS LIAB [ ] CLAIMS-MADE						AGGREGATE	$ 2,000,000
	[ ] DED [ ] RETENTION $							$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N						[X] WC STATU-TORY LIMITS [ ] OTH-ER	$1,000,000
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICE/MEMBER EXCLUDED? [ ]	N / A	X				E.L. EACH ACCIDENT	$
	(Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$
							E.L. DISEASE - POLICY LIMIT	$
		[ ]	[ ]					

SAMPLE

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

Project Name: Project Number:

City of Mobile is included as an Additional Insured in respect to General Liability, Automobile Liability and Umbrella Liability. All policies, except workers compensation, shall be Primary and Non-contributory with any other insurance in force or which may be purchased by Additional Insured. Waiver of Subrogation applies in favor of City of Mobile with respect to General Liability, Automobile Liability, Umbrella Liability, and Workers Compensation and Employer's Liability. 30 Day Notice of Cancellation, non-renewal or material change shall apply (except 10 days for non-payment).

CERTIFICATE HOLDER

City of Mobile
P. O. Box 1827
Mobile, Alabama 36633-1827

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

© 1988-2010 ACORD CORPORATION. All rights reserved.

Company ID Number:

Approved by:

Employer	
Name (Please Type or Print)	
Signature	Date
Department of Homeland Secu[illegible] Division	
Name (Please Type or P[illegible]	Title
Signature	Date

SAMPLE

E-Verify

Company ID Number:

Information Required for the E-Verify Program **Information relating to your Company:**	
Company Name	
Company Facility Address	
Company Alternate Address	
County or Parish	
Employer Identification Num	
North American Industry Classification Systems Code	
Parent Company	
Number of Employees	
Number of Sites Verified for	

SAMPLE

APPLICATION AND CERTIFICATION FOR PAYMENT

AIA DOCUMENT G702 PAGE ONE OF PAGES

TO OWNER City of Mobile
P. O. Box 1827
Mobile, AL 36633-1827

PROJECT:

APPLICATION NO:

Distribution to:
☐ OWNER
☐ ARCHITECT
☐ CONTRACTOR
☐
☐

PERIOD TO:

FROM CONTRACTOR:

VIA ARCHITECT:

PROJECT NO:

CONTRACT FOR:

CONTRACT DATE:

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment, as shown below, in connection with the Contract.
Continuation Sheet, AIA Document G703, is attached.

1. ORIGINAL CONTRACT SUM		$
2. Net change by Change Orders		$
3. CONTRACT SUM TO DATE (Line 1 ± 2)		$
4. TOTAL COMPLETED & STORED TO DATE (Column G on G703)		$
5. RETAINAGE:		
a. _____ % of Completed Work (Column D + E on G703)	$	
b. _____ % of Stored Material (Column F on G703)	$	
Total Retainage (Lines 5a + 5b or Total in Column I of G703)		$
6. TOTAL EARNED LESS RETAINAGE (Line 4 Less Line 5 Total)		$
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate)		$
8. CURRENT PAYMENT DUE		$
9. BALANCE TO FINISH, INCLUDING RETAINAGE (Line 3 less Line 6)		$

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner		
Total approved this Month		
TOTALS		
NET CHANGES by Change Order		

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

CONTRACTOR:

By: _____ Date: _____

State of: County of:
Subscribed and sworn to before me this day of
Notary Public:
My Commission expires:

ARCHITECT'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising the application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED . . . . . $ _____

(Attach explanation if amount certified differs from the amount applied. Initial all figures on this Application and onthe Continuation Sheet that are changed to conform with the amount certified.)
ARCHITECT:

By: _____ Date: _____

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

AIA DOCUMENT G702 · APPLICATION AND CERTIFICATION FOR PAYMENT · 1992 EDITION · AIA · ©1992 THE AMERICAN INSTITUTE OF ARCHITECTS, 1735 NEW YORK AVE., N.W., WASHINGTON, DC 20006-5292

Users may obtain validation of this document by requesting a completed AIA Document D401 - Certification of Document's Authenticity from the Licensee.

CONTINUATION SHEET

AIA DOCUMENT G703

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT, containing Contractor's signed certification is attached.

In tabulations below, amounts are stated to the nearest dollar.

Use Column I on Contracts where variable retainage for line items may apply.

APPLICATION NO:

APPLICATION DATE:

PERIOD TO:

ARCHITECT'S PROJECT NO:

A	B	C	D	E	F	G		H	I
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED		MATERIALS PRESENTLY STORED (NOT IN D OR E)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G ÷ C)	BALANCE TO FINISH (C - G)	RETAINAGE (IF VARIABLE RATE)
			FROM PREVIOUS APPLICATION (D + E)	THIS PERIOD					
	GRAND TOTALS								

Users may obtain validation of this document by requesting of the license a completed AIA Document D401 - Certification of Document's Authenticity

AIA DOCUMENT G703 · CONTINUATION SHEET FOR G702 · 1992 EDITION · AIA · ©1992
THE AMERICAN INSTITUTE OF ARCHITECTS, 1735 NEW YORK AVENUE, N.W. WASHINGTON, D.C. 20006-5232

CITY OF MOBILE, AL
VENDOR INFORMATION FORM

Company Information:

1. City Vendor Number:

2. Name of Company:

3. Company D.B.A. Name, if any:

4. Mailing Address:

5. Remittance Address:

6. Telephone:

7. Fax

8. Main Email:

Primary Contact:

9. Contact Name and Title:

10. Contact Phone:

11. Contact Fax:

12. Contact Email:

Alternate Contact (if applicable):

13. Alt. Contact Name and Title:

14. Alt. Contact Phone:

15. Alt. Contact Fax:

16. Alt. Contact Email:

City of Mobile Business License Information:

17. City of Mobile Business License No. (if required):

Please attach additional sheets if necessary.

Form **W-9**
(Rev. December 2011)
Department of the Treasury
Internal Revenue Service

Request for Taxpayer Identification Number and Certification

Give Form to the requester. Do not send to the IRS.

Print or type
See Specific Instructions on page 2.

Name (as shown on your income tax return)

Business name/disregarded entity name, if different from above

Check appropriate box for federal tax classification:
☐ Individual/sole proprietor ☐ C Corporation ☐ S Corporation ☐ Partnership ☐ Trust/estate

☐ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ►

☐ Other (see instructions) ►

☐ Exempt payee

Address (number, street, and apt. or suite no.)

Requester's name and address (optional)

City, state, and ZIP code

List account number(s) here (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on the "Name" line to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

Social security number
☐☐☐ – ☐☐ – ☐☐☐☐

Employer identification number
☐☐ – ☐☐☐☐☐☐☐

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
3. I am a U.S. citizen or other U.S. person (defined below).

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 4.

Sign Here Signature of U.S. person ► Date ►

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Purpose of Form

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income.

Note. If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax on any foreign partners' share of income from such business. Further, in certain cases where a Form W-9 has not been received, a partnership is required to presume that a partner is a foreign person, and pay the withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid withholding on your share of partnership income.

OFFICE OF SUPPLIER DIVERSITY

CITY OF MOBILE

DBE Compliance

DBE UTILIZATION REPORT

Return to Office of Supplier Diversity
Via email: archnique.kidd@cityofmobile.org
or
P.O. Box 1948
Mobile, AL 36633

CONTRACTOR:	**Certified DBE:** YES NO	**Contract Start Date:**
DESCRIPTION:		**Estimated Completion Date:**

This report is for the month of: (CHECK ONE):

JAN	APR	JULY	OCT
FEB	MAY	AUG	NOV
MARCH	JUNE	SEPT	DEC

FINAL _____

Original Contract Amount	Total Amount of Contract Changes (change orders or amendments)	Final Contract Amount (include contract changes)	Payments to Date from City of Mobile	OFFICE USE ONLY (Verification)
$	$	$	$	

Instructions: List all DBEs utilized on the contract, whether or not the firms were originally listed for DBE goal credit. List actual amount paid to each DBE firm. If the established Percentage is not being met, please include a narrative description of the progress being made in DBE participation.

DBE SUBCONTRACTOR	DBE DESCRIPTION OF WORK	DBE SUBCONTRACT AMOUNT	DBE PAYMENTS THIS REPORT	PAYMENTS TO DATE	OFFICE USE ONLY (Verification)
		$	$	$	
		$	$	$	
		$	$	$	
		$	$	$	
TOTALS		$	$	$	

I HEREBY CERTIFY THAT THE INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT. SUPPORTING DOCUMENTATION IS ON FILE AND IS AVAILABLE FOR INSPECTION BY CITY OF MOBILE OFFICE OF SUPPLIER DIVERSITY PERSONNEL AT ANY TIME.

PRINT NAME: _____

SIGNATURE: _____, _____ ___/___/____
(Title) (Date)

AIA® Document G704® – 2017

Certificate of Substantial Completion

PROJECT: *(name and address)*

OWNER: *(name and address)*
City of Mobile
P.O. Box 1827
Mobile, Alabama 36633

CONTRACT INFORMATION:
Contract For:
Date:

ARCHITECT: *(name and address)*

CERTIFICATE INFORMATION:
Certificate Number:
Date:

CONTRACTOR: *(name and address)*

The Work identified below has been reviewed and found, to the Architect's best knowledge, information, and belief, to be substantially complete. Substantial Completion is the stage in the progress of the Work when the Work or designated portion is sufficiently complete in accordance with the Contract Documents so that the Owner can occupy or utilize the Work for its intended use. The date of Substantial Completion of the Project or portion designated below is the date established by this Certificate.
(Identify the Work, or portion thereof, that is substantially complete.)
Substantial Completion <Project Full Name>

ARCHITECT *(Firm Name)*	**SIGNATURE**	**PRINTED NAME AND TITLE**	**DATE OF SUBSTANTIAL COMPLETION**

WARRANTIES
The date of Substantial Completion of the Project or portion designated above is also the date of commencement of applicable warranties required by the Contract Documents, except as stated below:
(Identify warranties that do not commence on the date of Substantial Completion, if any, and indicate their date of commencement.)

WORK TO BE COMPLETED OR CORRECTED
A list of items to be completed or corrected is attached hereto, or transmitted as agreed upon by the parties, and identified as follows:
(Identify the list of Work to be completed or corrected.)

The failure to include any items on such list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents. Unless otherwise agreed to in writing, the date of commencement of warranties for items on the attached list will be the date of issuance of the final Certificate of Payment or the date of final payment, whichever occurs first. The Contractor will complete or correct the Work on the list of items attached hereto within thirty (30) days from the above date of Substantial Completion.

Cost estimate of Work to be completed or corrected:

The responsibilities of the Owner and Contractor for security, maintenance, heat, utilities, damage to the Work, insurance, and other items identified below shall be as follows:
(Note: Owner's and Contractor's legal and insurance counsel should review insurance requirements and coverage.)
Per the Contract Documents, the Contractor shall be responsible for damages to the Work and providing all Insurance required under the AIA A101-Agreement Between Owner and the Contractor for a Stipulated Sum, Article 8.5.1, unitl Final Payment. The Contractor shall also be responsible for labor and materials as required to provide repairs to the word for one calendar year following the substantial completion date. The Owner shall be responsible for general security and utilities at the facility.

The Owner and Contractor hereby accept the responsibilities assigned to them in this Certificate of Substantial Completion:

CONTRACTOR *(Firm Name)*	**SIGNATURE**	**PRINTED NAME AND TITLE**	**DATE**
City of Mobile Architectural Engineering		Carleen Stout, Deputy Director	
OWNER *(Firm Name)*	**SIGNATURE**	**PRINTED NAME AND TITLE**	**DATE**

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User Notes: (3B9ADA46)

AIA® Document G706™ – 1994

Contractor's Affidavit of Payment of Debts and Claims

PROJECT: *(Name and address)*	**ARCHITECT'S PROJECT NUMBER:**	OWNER: ☐
		ARCHITECT: ☐
	CONTRACT FOR: General Construction	CONTRACTOR: ☐
TO OWNER: *(Name and address)*	**CONTRACT DATED:**	SURETY: ☐
		OTHER: ☐

STATE OF:
COUNTY OF:

The undersigned hereby certifies that, except as listed below, payment has been made in full and all obligations have otherwise been satisfied for all materials and equipment furnished, for all work, labor, and services performed, and for all known indebtedness and claims against the Contractor for damages arising in any manner in connection with the performance of the Contract referenced above for which the Owner or Owner's property might in any way be held responsible or encumbered.

EXCEPTIONS:

SUPPORTING DOCUMENTS ATTACHED HERETO:

1. Consent of Surety to Final Payment. Whenever Surety is involved, Consent of Surety is required. AIA Document G707, Consent of Surety, may be used for this purpose

Indicate Attachment ☐ Yes ☒ No

The following supporting documents should be attached hereto if required by the Owner:

1. Contractor's Release or Waiver of Liens, conditional upon receipt of final payment.
2. Separate Releases or Waivers of Liens from Subcontractors and material and equipment suppliers, to the extent required by the Owner, accompanied by a list thereof.
3. Contractor's Affidavit of Release of Liens (AIA Document G706A).

CONTRACTOR: *(Name and address)*

BY: _____
(Signature of authorized representative)

_____
(Printed name and title)

Subscribed and sworn to before me on this date:

Notary Public:
My Commission Expires:

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User Notes: (1147552344)

AIA® Document G706A™ – 1994

Contractor's Affidavit of Release of Liens

PROJECT: *(Name and address)*	**ARCHITECT'S PROJECT NUMBER:**	OWNER: ☐
	CONTRACT FOR: General Construction	ARCHITECT: ☐
TO OWNER: *(Name and address)*	**CONTRACT DATED:**	CONTRACTOR: ☐
		SURETY: ☐
		OTHER: ☐

STATE OF:
COUNTY OF:

The undersigned hereby certifies that to the best of the undersigned's knowledge, information and belief, except as listed below, the Releases or Waivers of Lien attached hereto include the Contractor, all Subcontractors, all suppliers of materials and equipment, and all performers of Work, labor or services who have or may have liens or encumbrances or the right to assert liens or encumbrances against any property of the Owner arising in any manner out of the performance of the Contract referenced above.

EXCEPTIONS:

SUPPORTING DOCUMENTS ATTACHED HERETO:

1. Contractor's Release or Waiver of Liens, conditional upon receipt of final payment.
2. Separate Releases or Waivers of Liens from Subcontractors and material and equipment suppliers, to the extent required by the Owner, accompanied by a list thereof.

CONTRACTOR: *(Name and address)*

BY:

_____
(Signature of authorized representative)

_____
(Printed name and title)

Subscribed and sworn to before me on this date:

Notary Public:
My Commission Expires:

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User Notes:
(1682535782)

AIA® Document G707™ – 1994

Consent Of Surety to Final Payment

PROJECT: *(Name and address)*	**ARCHITECT'S PROJECT NUMBER:**	OWNER: ☐
	CONTRACT FOR: General Construction	ARCHITECT: ☐
TO OWNER: *(Name and address)*	**CONTRACT DATED:**	CONTRACTOR: ☐
		SURETY: ☐
		OTHER: ☐

In accordance with the provisions of the Contract between the Owner and the Contractor as indicated above, the
(Insert name and address of Surety)

, SURETY,

on bond of
(Insert name and address of Contractor)

, CONTRACTOR,

hereby approves of the final payment to the Contractor, and agrees that final payment to the Contractor shall not relieve the Surety of any of its obligations to
(Insert name and address of Owner)

, OWNER,

as set forth in said Surety's bond.

IN WITNESS WHEREOF, the Surety has hereunto set its hand on this date:
(Insert in writing the month followed by the numeric date and year.)

_____
(Surety)

_____
(Signature of authorized representative)

Attest:
(Seal):

_____
(Printed name and title)

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SECTION 00700

GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION,
AIA DOCUMENT A201

PART 1 GENERAL

This section includes the GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION, AIA Document A-201, that is to be used for this Project. The document has been electronically modified to meet the City of Mobile's requirements and shall be used for the project.

AIA® Document A201® – 2017

General Conditions of the Contract for Construction

for the following PROJECT:
(Name and location or address)

Various Swimming Pools
Repairs and Improvements
Mobile, AL

THE OWNER:
(Name, legal status and address)

CITY OF MOBILE
205 Government Street
P O Box 1827
Mobile, Alabama 36633

THE ARCHITECT:
(Name, legal status and address)

N/A

ADDITIONS AND DELETIONS:
The author of this document has added information needed for its completion. The author may also have revised the text of the original AIA standard form. An *Additions and Deletions Report* that notes added information as well as revisions to the standard form text is available from the author and should be reviewed. A vertical line in the left margin of this document indicates where the author has added necessary information and where the author has added to or deleted from the original AIA text.

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

For guidance in modifying this document to include supplementary conditions, see AIA Document A503™, Guide for Supplementary Conditions.

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ARTICLE 1 GENERAL PROVISIONS

§ 1.1 Basic Definitions

§ 1.1.1 The Contract Documents

The Contract Documents are enumerated in the Agreement between the Owner and Contractor (hereinafter the Agreement) and consist of the Agreement, Conditions of the Contract (General, Supplementary and other Conditions), Drawings, Specifications, Addenda issued prior to execution of the Contract, other documents listed in the Agreement, and Modifications issued after execution of the Contract. A Modification is (1) a written amendment to the Contract signed by both parties, (2) a Change Order, (3) a Construction Change Directive, or (4) a written order for a minor change in the Work issued by the Architect. Unless specifically enumerated in the Agreement, the Contract Documents do not include the advertisement or invitation to bid, Instructions to Bidders, sample forms, other information furnished by the Owner in anticipation of receiving bids or proposals, the Contractor's bid or proposal, or portions of Addenda relating to bidding or proposal requirements.

§ 1.1.2 The Contract

The Contract Documents form the Contract for Construction. The Contract represents the entire and integrated agreement between the parties hereto and supersedes prior negotiations, representations, or agreements, either written or oral. The Contract may be amended or modified only by a Modification. The Contract Documents shall not be construed to create a contractual relationship of any kind (1) between the Contractor and the Architect or the Architect's consultants, (2) between the Owner and a Subcontractor or a Sub-subcontractor, (3) between the Owner and the Architect or the Architect's consultants, or (4) between any persons or entities other than the Owner and the Contractor. The Architect shall, however, be entitled to performance and enforcement of obligations under the Contract intended to facilitate performance of the Architect's duties.

§ 1.1.3 The Work

The term "Work" means the construction and services required by the Contract Documents, whether completed or partially completed, and includes all other labor, materials, equipment, and services provided or to be provided by the Contractor to fulfill the Contractor's obligations. The Work may constitute the whole or a part of the Project.

§ 1.1.4 The Project

The Project is the total construction of which the Work performed under the Contract Documents may be the whole or a part and which may include construction by the Owner and by Separate Contractors.

§ 1.1.5 The Drawings

The Drawings are the graphic and pictorial portions of the Contract Documents showing the design, location and dimensions of the Work, generally including plans, elevations, sections, details, schedules, and diagrams.

§ 1.1.6 The Specifications

The Specifications are that portion of the Contract Documents consisting of the written requirements for materials, equipment, systems, standards and workmanship for the Work, and performance of related services.

§ 1.1.7 Instruments of Service

Instruments of Service are representations, in any medium of expression now known or later developed, of the tangible and intangible creative work performed by the Architect and the Architect's consultants under their respective professional services agreements. Instruments of Service may include, without limitation, studies, surveys, models, sketches, drawings, **Project Manual**, specifications, and other similar materials.

§ 1.1.8 Initial Decision Maker

The Initial Decision Maker is the person identified in the Agreement to render initial decisions on Claims in accordance with Section 15.2. The Initial Decision Maker shall not show partiality to the Owner or Contractor and shall not be liable for results of interpretations or decisions rendered in good faith.

§ 1.2 Correlation and Intent of the Contract Documents

§ 1.2.1 The intent of the Contract Documents is to include all items necessary for the proper execution and completion of the Work by the Contractor. The Contract Documents are complementary, and what is required by one shall be as binding as if required by all; performance by the Contractor shall be required only to the extent consistent with the Contract Documents and reasonably inferable from them as being necessary to produce the indicated results.

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§ 1.2.1.1 The invalidity of any provision of the Contract Documents shall not invalidate the Contract or its remaining provisions. If it is determined that any provision of the Contract Documents violates any law, or is otherwise invalid or unenforceable, then that provision shall be revised to the extent necessary to make that provision legal and enforceable. In such case the Contract Documents shall be construed, to the fullest extent permitted by law, to give effect to the parties' intentions and purposes in executing the Contract.

§ 1.2.2 Organization of the Specifications into divisions, sections and articles, and arrangement of Drawings shall not control the Contractor in dividing the Work among Subcontractors or in establishing the extent of Work to be performed by any trade.

§ 1.2.3 Unless otherwise stated in the Contract Documents, words that have well-known technical or construction industry meanings are used in the Contract Documents in accordance with such recognized meanings.

§ 1.3 Capitalization

Terms capitalized in these General Conditions include those that are (1) specifically defined, (2) the titles of numbered articles, or (3) the titles of other documents published by the American Institute of Architects.

§ 1.4 Interpretation

In the interest of brevity the Contract Documents frequently omit modifying words such as "all" and "any" and articles such as "the" and "an," but the fact that a modifier or an article is absent from one statement and appears in another is not intended to affect the interpretation of either statement.

§ 1.5 Ownership and Use of Drawings, Specifications, and Other Instruments of Service

§ 1.5.1 The Architect and the Architect's consultants shall be deemed the authors and owners of their respective Instruments of Service, including the Drawings and Specifications, and retain all common law, statutory, and other reserved rights in their Instruments of Service, including copyrights. The Contractor, Subcontractors, Sub-subcontractors, and suppliers shall not own or claim a copyright in the Instruments of Service. Submittal or distribution to meet official regulatory requirements or for other purposes in connection with the Project is not to be construed as publication in derogation of the Architect's or Architect's consultants' reserved rights.

§ 1.5.2 The Contractor, Subcontractors, Sub-subcontractors, and suppliers are authorized to use and reproduce the Instruments of Service provided to them, subject to any protocols established pursuant to Sections 1.7 and 1.8, solely and exclusively for execution of the Work. All copies made under this authorization shall bear the copyright notice, if any, shown on the Instruments of Service. The Contractor, Subcontractors, Sub-subcontractors, and suppliers may not use the Instruments of Service on other projects or for additions to the Project outside the scope of the Work without the specific written consent of the Owner, Architect, and the Architect's consultants.

§ 1.6 Notice

§ 1.6.1 Except as otherwise provided in Section 1.6.2, where the Contract Documents require one party to notify or give notice to the other party, such notice shall be provided in writing to the designated representative of the party to whom the notice is addressed and shall be deemed to have been duly served if delivered in person, by mail, by courier, or by electronic transmission if a method for electronic transmission is set forth in the Agreement.

§ 1.6.2 Notice of Claims as provided in Section 15.1.3 shall be provided in writing and shall be deemed to have been duly served only if delivered to the designated representative of the party to whom the notice is addressed by certified or registered mail, or by courier providing proof of delivery.

(Paragraphs deleted)

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ARTICLE 2 OWNER

§ 2.1 General

§ 2.1.1 The Owner is the person or entity identified as such in the Agreement and is referred to throughout the Contract Documents as if singular in number. The Owner shall designate in writing a representative who shall have express authority to bind the Owner with respect to all matters requiring the Owner's approval or authorization. Except as otherwise provided in Section 4.2.1, the Architect does not have such authority. The term "Owner" means the Owner or the Owner's authorized representative.

(Paragraph deleted)

§ 2.2 Evidence of the Owner's Financial Arrangements

§ 2.2.1 Prior to commencement of the Work and upon written request by the Contractor, the Owner shall furnish to the Contractor reasonable evidence that the Owner has made financial arrangements to fulfill the Owner's obligations under the Contract. The Contractor shall have no obligation to commence the Work until the Owner provides such evidence. If commencement of the Work is delayed under this Section 2.2.1, the Contract Time shall be extended appropriately.

§ 2.2.2 Following commencement of the Work and upon written request by the Contractor, the Owner shall furnish to the Contractor reasonable evidence that the Owner has made financial arrangements to fulfill the Owner's obligations under the Contract only if (1) the Owner fails to make payments to the Contractor as the Contract Documents require; (2) the Contractor identifies in writing a reasonable concern regarding the Owner's ability to make payment when due; or (3) a change in the Work materially changes the Contract Sum. If the Owner fails to provide such evidence, as required, within fourteen days of the Contractor's request, the Contractor may immediately stop the Work and, in that event, shall notify the Owner that the Work has stopped. However, if the request is made because a change in the Work materially changes the Contract Sum under (3) above, the Contractor may immediately stop only that portion of the Work affected by the change until reasonable evidence is provided. If the Work is stopped under this Section 2.2.2, the Contract Time shall be extended appropriately and the Contract Sum shall be increased by the amount of the Contractor's reasonable costs of shutdown, delay and start-up, plus interest as provided in the Contract Documents.

§ 2.2.3 After the Owner furnishes evidence of financial arrangements under this Section 2.2, the Owner shall not materially vary such financial arrangements without prior notice to the Contractor.

§ 2.2.4 Where the Owner has designated information furnished under this Section 2.2 as "confidential," the Contractor shall keep the information confidential and shall not disclose it to any other person. However, the Contractor may disclose "confidential" information, after seven (7) days' notice to the Owner, where disclosure is required by law, including a subpoena or other form of compulsory legal process issued by a court or governmental entity, or by court or arbitrator(s) order. The Contractor may also disclose "confidential" information to its employees, consultants, sureties, Subcontractors and their employees, Sub-subcontractors, and others who need to know the content of such information solely and exclusively for the Project and who agree to maintain the confidentiality of such information.

§ 2.3 Information and Services Required of the Owner

§ 2.3.1 Except for permits and fees that are the responsibility of the Contractor under the Contract Documents, including those required under Section 3.7.1, the Owner shall secure and pay for necessary approvals, easements, assessments and charges required for construction, use or occupancy of permanent structures or for permanent changes in existing facilities.

§ 2.3.2 The Owner shall retain an architect lawfully licensed to practice architecture, or an entity lawfully practicing architecture, in the jurisdiction where the Project is located. That person or entity is identified as the Architect in the Agreement and is referred to throughout the Contract Documents as if singular in number.

§ 2.3.3 If the employment of the Architect terminates, the Owner shall employ a successor to whom the Contractor has no reasonable objection and whose status under the Contract Documents shall be that of the Architect.

§ 2.3.4 The Owner shall furnish surveys describing physical characteristics, legal limitations and utility locations for the site of the Project, and a legal description of the site. The Contractor shall be entitled to rely on the accuracy of

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information furnished by the Owner but shall exercise proper precautions relating to the safe performance of the Work.

§ 2.3.5 The Owner shall furnish information or services required of the Owner by the Contract Documents with reasonable promptness. The Owner shall also furnish any other information or services under the Owner's control and relevant to the Contractor's performance of the Work with reasonable promptness after receiving the Contractor's written request for such information or services.

§ 2.3.6 Unless otherwise provided in the Contract Documents, the Owner shall furnish to the Contractor one copy of the Contract Documents for purposes of making reproductions pursuant to Section 1.5.2.

§ 2.4 Owner's Right to Stop the Work

If the Contractor fails to correct Work that is not in accordance with the requirements of the Contract Documents as required by Section 12.2 or repeatedly fails to carry out Work in accordance with the Contract Documents, the Owner may issue a written order to the Contractor to stop the Work, or any portion thereof, until the cause for such order has been eliminated; however, the right of the Owner to stop the Work shall not give rise to a duty on the part of the Owner to exercise this right for the benefit of the Contractor or any other person or entity, except to the extent required by Section 6.1.3.

§ 2.5 Owner's Right to Carry Out the Work

If the Contractor defaults or neglects to carry out the Work in accordance with the Contract Documents and fails within a ten-day period after receipt of notice from the Owner to commence and continue correction of such default or neglect with diligence and promptness, the Owner may, without prejudice to other remedies the Owner may have, correct such default or neglect. Such action by the Owner and amounts charged to the Contractor are both subject to prior approval of the Architect and the Architect may, pursuant to Section 9.5.1, withhold or nullify a Certificate for Payment in whole or in part, to the extent reasonably necessary to reimburse the Owner for the reasonable cost of correcting such deficiencies, including Owner's expenses and compensation for the Architect's additional services made necessary by such default, neglect, or failure. If current and future payments are not sufficient to cover such amounts, the Contractor shall pay the difference to the Owner. If the Contractor disagrees with the actions of the Owner or the Architect, or the amounts claimed as costs to the Owner, the Contractor may file a Claim pursuant to Article 15.

ARTICLE 3 CONTRACTOR

§ 3.1 General

§ 3.1.1 The Contractor is the person or entity identified as such in the Agreement and is referred to throughout the Contract Documents as if singular in number. The Contractor shall be lawfully licensed, if required in the jurisdiction where the Project is located. The Contractor shall designate in writing a representative who shall have express authority to bind the Contractor with respect to all matters under this Contract. The term "Contractor" means the Contractor or the Contractor's authorized representative.

§ 3.1.2 The Contractor shall perform the Work in accordance with the Contract Documents.

§ 3.1.3 The Contractor shall not be relieved of its obligations to perform the Work in accordance with the Contract Documents either by activities or duties of the Architect in the Architect's administration of the Contract, or by tests, inspections or approvals required or performed by persons or entities other than the Contractor.

§ 3.2 Review of Contract Documents and Field Conditions by Contractor

§ 3.2.1 Execution of the Contract by the Contractor is a representation that the Contractor has visited the site, become generally familiar with local conditions under which the Work is to be performed, and correlated personal observations with requirements of the Contract Documents.

§ 3.2.2 Because the Contract Documents are complementary, the Contractor shall, before starting each portion of the Work, carefully study and compare the various Contract Documents relative to that portion of the Work, as well as the information furnished by the Owner pursuant to Section 2.3.4, shall take field measurements of any existing conditions related to that portion of the Work, and shall observe any conditions at the site affecting it. These obligations are for the purpose of facilitating coordination and construction by the Contractor and are not for the purpose of discovering errors, omissions, or inconsistencies in the Contract Documents; however, the Contractor shall

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promptly report to the Architect any errors, inconsistencies or omissions discovered by or made known to the Contractor as a request for information in such form as the Architect may require. It is recognized that the Contractor's review is made in the Contractor's capacity as a contractor and not as a licensed design professional, unless otherwise specifically provided in the Contract Documents.

§ 3.2.3 The Contractor is not required to ascertain that the Contract Documents are in accordance with applicable laws, statutes, ordinances, codes, rules and regulations, or lawful orders of public authorities, but the Contractor shall promptly report to the Architect any nonconformity discovered by or made known to the Contractor as a request for information in such form as the Architect may require.

§ 3.2.4 If the Contractor believes that additional cost or time is involved because of clarifications or instructions the Architect issues in response to the Contractor's notices or requests for information pursuant to Sections 3.2.2 or 3.2.3, the Contractor shall submit Claims as provided in Article 15. If the Contractor fails to perform the obligations of Sections 3.2.2 or 3.2.3, the Contractor shall pay such costs and damages to the Owner, subject to Section 15.1.7, as would have been avoided if the Contractor had performed such obligations. If the Contractor performs those obligations, the Contractor shall not be liable to the Owner or Architect for damages resulting from errors, inconsistencies or omissions in the Contract Documents, for differences between field measurements or conditions and the Contract Documents, or for nonconformities of the Contract Documents to applicable laws, statutes, ordinances, codes, rules and regulations, and lawful orders of public authorities.

§ 3.3 Supervision and Construction Procedures

§ 3.3.1 The Contractor shall supervise and direct the Work, using the Contractor's best skill and attention. The Contractor shall be solely responsible for, and have control over, construction means, methods, techniques, sequences, and procedures, and for coordinating all portions of the Work under the Contract. If the Contract Documents give specific instructions concerning construction means, methods, techniques, sequences, or procedures, the Contractor shall evaluate the jobsite safety thereof and shall be solely responsible for the jobsite safety of such means, methods, techniques, sequences, or procedures. If the Contractor determines that such means, methods, techniques, sequences or procedures may not be safe, the Contractor shall give timely notice to the Owner and Architect, and shall propose alternative means, methods, techniques, sequences, or procedures. The Architect shall evaluate the proposed alternative solely for conformance with the design intent for the completed construction. Unless the Architect objects to the Contractor's proposed alternative, the Contractor shall perform the Work using its alternative means, methods, techniques, sequences, or procedures.

§ 3.3.2 The Contractor shall be responsible to the Owner for acts and omissions of the Contractor's employees, Subcontractors and their agents and employees, and other persons or entities performing portions of the Work for, or on behalf of, the Contractor or any of its Subcontractors.

§ 3.3.3 The Contractor shall be responsible for inspection of portions of Work already performed to determine that such portions are in proper condition to receive subsequent Work.

§ 3.3.4 Three (3) days after the opening of the Bids, the Contractor shall furnish for written approval, an outline of the education, experience, and character of the Contractor's Project Manager, Superintendent, and Engineer. Any future substitution must have prior written approval of the Architect.

§ 3.4 Labor and Materials

§ 3.4.1 Unless otherwise provided in the Contract Documents, the Contractor shall provide and pay for labor, materials, equipment, tools, construction equipment and machinery, water, heat, utilities, transportation, and other facilities and services necessary for proper execution and completion of the Work, whether temporary or permanent and whether or not incorporated or to be incorporated in the Work.

§ 3.4.2 Except in the case of minor changes in the Work approved by the Architect in accordance with Section 3.12.8 or ordered by the Architect in accordance with Section 7.4, the Contractor may make substitutions only with the consent of the Owner, after evaluation by the Architect and in accordance with a Change Order or Construction Change Directive.

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§ 3.4.3 The Contractor shall enforce strict discipline and good order among the Contractor's employees and other persons carrying out the Work. The Contractor shall not permit employment of unfit persons or persons not properly skilled in tasks assigned to them.

§ 3.4.4 The Contractor's or his/her Subcontractor's supervisors and workmen engaged on special work or skilled Work in any supervisory position or trade shall be qualified and have had sufficient education, training, and experience as a recognized professional or master mechanic in such Work to perform it properly and satisfactorily as prescribed in the Contract Documents.

§ 3.4.5 Any project manager, superintendent, engineer, foreman, or workman employed by the Contractor or by a Subcontractor who, in the sole opinion of the Architect, does not perform his/her Work in a proper and skillful manner or becomes party to disrespectful, intemperate, disorderly, intoxicated, or dishonest behavior, or uses foul language, fights, commits criminal act(s), falsifies records and construction, covers-up faulty Work or materials, does not comprehend or follow instructions, does not get along with the Architect or Owner's representative, or is otherwise objectionable, shall at the written request by the Architect, be discharged within 24 hours by the Contractor or Subcontractor employing such project manager, superintendent, engineer, foreman or workman, and shall not be employed again or any portion of the Work without the written consent of the Architect.

§ 3.4.6 Should the Contractor fail to remove such person or persons specified in Article 3.4.5 hereinabove or fail to furnish suitable and sufficient machinery, equipment, materials or qualified labor force for the proper execution of the Work, the Architect may withhold all payments which are or may become due to the Contractor or may suspend the Work until such orders are complied with.

§ 3.4.7 Contractor shall abide by provisions of Section 14.1 and Section 14.2, Code of the City of Mobile, originally adopted December 10, 1991. Prohibiting Discrimination in Employment by Contractors, Subcontractors, and Vendors performing Work and providing materials and supplies for the City of Mobile. A copy of said Code is located in the City's Projects Architectural Engineering Department. Certification of compliance with this requirement shall be made for all persons involved in the Work by the signature of the General Conditions on the Bid Form.

§ 3.5 Warranty

§ 3.5.1 The Contractor warrants to the Owner and Architect that materials and equipment furnished under the Contract will be of good quality and new unless the Contract Documents require or permit otherwise. The Contractor further warrants that the Work will conform to the requirements of the Contract Documents and will be free from defects, except for those inherent in the quality of the Work the Contract Documents require or permit. Work, materials, or equipment not conforming to these requirements may be considered defective. The Contractor's warranty excludes remedy for damage or defect caused by abuse, alterations to the Work not executed by the Contractor, improper or insufficient maintenance, improper operation, or normal wear and tear and normal usage. If required by the Architect, the Contractor shall furnish satisfactory evidence as to the kind and quality of materials and equipment.

§ 3.5.2 All material, equipment, or other special warranties required by the Contract Documents shall be issued in the name of the Owner, or shall be transferable to the Owner, and shall commence in accordance with Section 9.8.4.

§ 3.6 Taxes

The Contractor shall pay sales, consumer, use and similar taxes for the Work provided by the Contractor that are legally enacted when bids are received or negotiations concluded, whether or not yet effective or merely scheduled to go into effect.

§ 3.7 Permits, Fees, Notices and Compliance with Laws

§ 3.7.1 Unless otherwise provided in the Contract Documents, the Contractor shall secure **City of Mobile building permit without cost, and shall secure and pay for** other permits, fees, licenses, and inspections by government agencies necessary for proper execution and completion of the Work that are customarily secured after execution of the Contract and legally required at the time bids are received or negotiations concluded.

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§ 3.7.1.1 The Contractor shall secure building and other permits customarily obtained from the City of Mobile at no cost.

§ 3.7.2 The Contractor shall comply with and give notices required by applicable laws, statutes, ordinances, codes, rules and regulations, and lawful orders of public authorities applicable to performance of the Work.

§ 3.7.3 If the Contractor performs Work knowing it to be contrary to applicable laws, statutes, ordinances, codes, rules and regulations, or lawful orders of public authorities, the Contractor shall assume appropriate responsibility for such Work and shall bear the costs attributable to correction.

§ 3.7.4 Concealed or Unknown Conditions

If the Contractor encounters conditions at the site that are (1) subsurface or otherwise concealed physical conditions that differ materially from those indicated in the Contract Documents or (2) unknown physical conditions of an unusual nature that differ materially from those ordinarily found to exist and generally recognized as inherent in construction activities of the character provided for in the Contract Documents, the Contractor shall promptly provide notice to the Owner and the Architect before conditions are disturbed and in no event later than 14 days after first observance of the conditions. The Architect will promptly investigate such conditions and, if the Architect determines that they differ materially and cause an increase or decrease in the Contractor's cost of, or time required for, performance of any part of the Work, will recommend that an equitable adjustment be made in the Contract Sum or Contract Time, or both. If the Architect determines that the conditions at the site are not materially different from those indicated in the Contract Documents and that no change in the terms of the Contract is justified, the Architect shall promptly notify the Owner and Contractor, stating the reasons. If either party disputes the Architect's determination or recommendation, that party may submit a Claim as provided in Article 15.

§ 3.7.5 If, in the course of the Work, the Contractor encounters human remains or recognizes the existence of burial markers, archaeological sites or wetlands not indicated in the Contract Documents, the Contractor shall immediately suspend any operations that would affect them and shall notify the Owner and Architect. Upon receipt of such notice, the Owner shall promptly take any action necessary to obtain governmental authorization required to resume the operations. The Contractor shall continue to suspend such operations until otherwise instructed by the Owner but shall continue with all other operations that do not affect those remains or features. Requests for adjustments in the Contract Sum and Contract Time arising from the existence of such remains or features may be made as provided in Article 15.

§ 3.8 Allowances

§ 3.8.1 The Contractor shall include in the Contract Sum all allowances stated in the Contract Documents. Items covered by allowances shall be supplied for such amounts and by such persons or entities as the Owner may direct, but the Contractor shall not be required to employ persons or entities to whom the Contractor has reasonable objection.

§ 3.8.2 Unless otherwise provided in the Contract Documents,

- **.1** allowances shall cover the cost to the Contractor of materials and equipment delivered at the site and all required taxes, less applicable trade discounts;
- **.2** Contractor's costs for unloading and handling at the site, labor, installation costs, overhead, profit, and other expenses contemplated for stated allowance amounts shall be included in the Contract Sum but not in the allowances; and
- **.3** whenever costs are more than or less than allowances, the Contract Sum shall be adjusted accordingly by Change Order. The amount of the Change Order shall reflect (1) the difference between actual costs and the allowances under Section 3.8.2.1 and (2) changes in Contractor's costs under Section 3.8.2.2.

§ 3.8.3 Materials and equipment under an allowance shall be selected by the Owner with reasonable promptness.

§ 3.9 Superintendent

§ 3.9.1 The Contractor shall employ a competent superintendent and necessary assistants who shall be in attendance at the Project site during performance of the Work. The superintendent shall represent the Contractor, and communications given to the superintendent shall be as binding as if given to the Contractor.

§ 3.9.2 The Contractor, as soon as practicable after award of the Contract, shall notify the Owner and Architect of the name and qualifications of a proposed superintendent. Within 14 days of receipt of the information, the Architect may notify the Contractor, stating whether the Owner or the Architect (1) has reasonable objection to the proposed

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superintendent or (2) requires additional time for review. Failure of the Architect to provide notice within the 14-day period shall constitute notice of no reasonable objection.

§ 3.9.3 The Contractor shall not employ a proposed superintendent to whom the Owner or Architect has made reasonable and timely objection. The Contractor shall not change the superintendent without the Owner's consent, which shall not unreasonably be withheld or delayed.

§ 3.10 Contractor's Construction and Submittal Schedules

§ 3.10.1 The Contractor, **within ten (10) business days** after being awarded the Contract, shall submit for the Owner's and Architect's information a Contractor's construction schedule for the Work. The schedule shall contain detail appropriate for the Project, including (1) the date of commencement of the Work, interim schedule milestone dates, and the date of Substantial Completion; (2) an apportionment of the Work by construction activity; and (3) the time required for completion of each portion of the Work. The schedule shall provide for the orderly progression of the Work to completion and shall not exceed time limits current under the Contract Documents. The schedule shall be revised at appropriate intervals as required by the conditions of the Work and Project.

§ 3.10.2 The Contractor, promptly after being awarded the Contract and thereafter as necessary to maintain a current submittal schedule, shall submit a submittal schedule for the Architect's approval. The Architect's approval shall not be unreasonably delayed or withheld. The submittal schedule shall (1) be coordinated with the Contractor's construction schedule, and (2) allow the Architect reasonable time to review submittals. If the Contractor fails to submit a submittal schedule, or fails to provide submittals in accordance with the approved submittal schedule, the Contractor shall not be entitled to any increase in Contract Sum or extension of Contract Time based on the time required for review of submittals.

§ 3.10.3 The Contractor shall perform the Work in general accordance with the most recent schedules submitted to the Owner and Architect.

§ 3.11 Documents and Samples at the Site

The Contractor shall make available, at the Project site, the Contract Documents, including Change Orders, Construction Change Directives, and other Modifications, in good order and marked currently to indicate field changes and selections made during construction, and the approved Shop Drawings, Product Data, Samples, and similar required submittals. These shall be in electronic form or paper copy, available to the Architect and Owner, and delivered to the Architect for submittal to the Owner upon completion of the Work as a record of the Work as constructed.

§ 3.12 Shop Drawings, Product Data and Samples

§ 3.12.1 Shop Drawings are drawings, diagrams, schedules, and other data specially prepared for the Work by the Contractor or a Subcontractor, Sub-subcontractor, manufacturer, supplier, or distributor to illustrate some portion of the Work.

§ 3.12.2 Product Data are illustrations, standard schedules, performance charts, instructions, brochures, diagrams, and other information furnished by the Contractor to illustrate materials or equipment for some portion of the Work.

§ 3.12.3 Samples are physical examples that illustrate materials, equipment, or workmanship, and establish standards by which the Work will be judged.

§ 3.12.4 Shop Drawings, Product Data, Samples, and similar submittals are not Contract Documents. Their purpose is to demonstrate how the Contractor proposes to conform to the information given and the design concept expressed in the Contract Documents for those portions of the Work for which the Contract Documents require submittals. Review by the Architect is subject to the limitations of Section 4.2.7. Informational submittals upon which the Architect is not expected to take responsive action may be so identified in the Contract Documents. Submittals that are not required by the Contract Documents may be returned by the Architect without action.

§ 3.12.5 The Contractor shall review for compliance with the Contract Documents, approve, and submit to the Architect, Shop Drawings, Product Data, Samples, and similar submittals required by the Contract Documentswith reasonable promptness and in such sequence as to cause no delay in the Work or in the activities of the Owner or of Separate Contractors. **Submittals which are not marked as reviewed for compliance with the Contract**

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Documents and approved by the Contractor may be returned by the Architect without action. Wherever Shop Drawings are required in these Specifications, Shop Drawings shall be submitted for approval before materials are fabricated. Drawings shall show complete details. The General Contractor shall check and approve them either in writing or by stamp before forwarding to the Architect. The Architect will mark copies "Approved" if correct; or, "Approved As Noted" if only minor corrections are necessary. If major corrections are necessary, they will be noted on the Shop Drawings and they will be returned to the Contractor for correction and resubmission. Submit four (4) copies for Architect's and Owner's use plus the number of copies the Contractor requires for his/her own use.

§ 3.12.6 By submitting Shop Drawings, Product Data, Samples, and similar submittals, the Contractor represents to the Owner and Architect that the Contractor has (1) reviewed and approved them, (2) determined and verified materials, field measurements and field construction criteria related thereto, or will do so, and (3) checked and coordinated the information contained within such submittals with the requirements of the Work and of the Contract Documents.

§ 3.12.7 The Contractor shall perform no portion of the Work for which the Contract Documents require submittal and review of Shop Drawings, Product Data, Samples, or similar submittals, until the respective submittal has been approved by the Architect.

§ 3.12.8 The Work shall be in accordance with approved submittals except that the Contractor shall not be relieved of responsibility for deviations from the requirements of the Contract Documents by the Architect's approval of Shop Drawings, Product Data, Samples, or similar submittals, unless the Contractor has specifically notified the Architect of such deviation at the time of submittal and (1) the Architect has given written approval to the specific deviation as a minor change in the Work, or (2) a Change Order or Construction Change Directive has been issued authorizing the deviation. The Contractor shall not be relieved of responsibility for errors or omissions in Shop Drawings, Product Data, Samples, or similar submittals, by the Architect's approval thereof.

§ 3.12.9 The Contractor shall direct specific attention, in writing or on resubmitted Shop Drawings, Product Data, Samples, or similar submittals, to revisions other than those requested by the Architect on previous submittals. In the absence of such notice, the Architect's approval of a resubmission shall not apply to such revisions.

§ 3.12.10 The Contractor shall not be required to provide professional services that constitute the practice of architecture or engineering unless such services are specifically required by the Contract Documents for a portion of the Work or unless the Contractor needs to provide such services in order to carry out the Contractor's responsibilities for construction means, methods, techniques, sequences, and procedures. The Contractor shall not be required to provide professional services in violation of applicable law.

§ 3.12.10.1 If professional design services or certifications by a design professional related to systems, materials, or equipment are specifically required of the Contractor by the Contract Documents, the Owner and the Architect will specify all performance and design criteria that such services must satisfy. The Contractor shall be entitled to rely upon the adequacy and accuracy of the performance and design criteria provided in the Contract Documents. The Contractor shall cause such services or certifications to be provided by an appropriately licensed design professional, whose signature and seal shall appear on all drawings, calculations, specifications, certifications, Shop Drawings, and other submittals prepared by such professional. Shop Drawings, and other submittals related to the Work, designed or certified by such professional, if prepared by others, shall bear such professional's written approval when submitted to the Architect. The Owner and the Architect shall be entitled to rely upon the adequacy and accuracy of the services, certifications, and approvals performed or provided by such design professionals, provided the Owner and Architect have specified to the Contractor the performance and design criteria that such services must satisfy. Pursuant to this Section 3.12.10, the Architect will review and approve or take other appropriate action on submittals only for the limited purpose of checking for conformance with information given and the design concept expressed in the Contract Documents.

§ 3.12.10.2 If the Contract Documents require the Contractor's design professional to certify that the Work has been performed in accordance with the design criteria, the Contractor shall furnish such certifications to the Architect at the time and in the form specified by the Architect.

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§ 3.13 Use of Site
The Contractor shall confine operations at the site to areas permitted by applicable laws, statutes, ordinances, codes, rules and regulations, lawful orders of public authorities, and the Contract Documents and shall not unreasonably encumber the site with materials or equipment.

§ 3.14 Cutting and Patching
§ 3.14.1 The Contractor shall be responsible for cutting, fitting, or patching required to complete the Work or to make its parts fit together properly. All areas requiring cutting, fitting, or patching shall be restored to the condition existing prior to the cutting, fitting, or patching, unless otherwise required by the Contract Documents.

§ 3.14.2 The Contractor shall not damage or endanger a portion of the Work or fully or partially completed construction of the Owner or Separate Contractors by cutting, patching, or otherwise altering such construction, or by excavation. The Contractor shall not cut or otherwise alter construction by the Owner or a Separate Contractor except with written consent of the Owner and of the Separate Contractor. Consent shall not be unreasonably withheld. The Contractor shall not unreasonably withhold, from the Owner or a Separate Contractor, its consent to cutting or otherwise altering the Work.

§ 3.15 Cleaning Up
§ 3.15.1 The Contractor shall keep the premises and surrounding area free from accumulation of waste materials and rubbish caused by operations under the Contract. At completion of the Work, the Contractor shall remove waste materials, rubbish, the Contractor's tools, construction equipment, machinery, and surplus materials from and about the Project.

§ 3.15.2 If the Contractor fails to clean up as provided in the Contract Documents, the Owner may do so and the Owner shall be entitled to reimbursement from the Contractor.

§ 3.16 Access to Work
The Contractor shall provide the Owner and Architect with access to the Work in preparation and progress wherever located.

§ 3.17 Royalties, Patents and Copyrights
The Contractor shall pay all royalties and license fees. The Contractor shall defend suits or claims for infringement of copyrights and patent rights and shall hold the Owner and Architect harmless from loss on account thereof, but shall not be responsible for defense or loss when a particular design, process, or product of a particular manufacturer or manufacturers is required by the Contract Documents, or where the copyright violations are contained in Drawings, Specifications, or other documents prepared by the Owner or Architect. However, if an infringement of a copyright or patent is discovered by, or made known to, the Contractor, the Contractor shall be responsible for the loss unless the information is promptly furnished to the Architect.

§ 3.18 Indemnification
§ 3.18.1 To the fullest extent permitted by law, the Contractor shall indemnify and hold harmless the Owner, Architect, Architect's consultants, and agents and employees of any of them from and against claims, damages, losses, and expenses, including but not limited to attorneys' fees, arising out of or resulting from performance of the Work, provided that such claim, damage, loss, or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the Work itself), but only to the extent caused by the negligent acts or omissions of the Contractor, a Subcontractor, anyone directly or indirectly employed by them, or anyone for whose acts they may be liable, regardless of whether or not such claim, damage, loss, or expense is caused in part by a party indemnified hereunder. Such obligation shall not be construed to negate, abridge, or reduce other rights or obligations of indemnity **which** would otherwise exist as to a party or person described in this Section 3.18.

§ 3.18.2 In claims against any person or entity indemnified under this Section 3.18 by an employee of the Contractor, a Subcontractor, anyone directly or indirectly employed by them, or anyone for whose acts they may be liable, the indemnification obligation under Section 3.18.1 shall not be limited by a limitation on amount or type of damages, compensation, or benefits payable by or for the Contractor or a Subcontractor under workers' compensation acts, disability benefit acts, or other employee benefit acts.

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§ 3.19 As applicable, the Contractor shall be responsible at the appropriate time during construction of the Project to have all permanent meters installed (electrical, water, gas, etc.) and all utilities connected prior to the time of Final Inspection. The Contractor shall pay all utility costs until the Project is accepted by the City of Mobile.

ARTICLE 4 ARCHITECT

§ 4.1 General

§ 4.1.1 The Owner shall retain an Architect lawfully licensed to practice architecture or an entity lawfully practicing architecture in the jurisdiction where the Project is located. That person or entity is identified as the Architect in the Agreement and is referred to throughout the Contract Documents as if singular in number.

§ 4.1.2 Duties, responsibilities, and limitations of authority of the Architect as set forth in the Contract Documents shall not be restricted, modified, or extended without written consent of the Owner, Contractor, and Architect. Consent shall not be unreasonably withheld.

§ 4.2 Administration of the Contract

§ 4.2.1 The Architect will provide administration of the Contract as described in the Contract Documents and will be an Owner's representative **(1) during construction, (2) until all conditions necessary for the final completion and payment have been fulfilled, and (3) with the Owner's concurrence, from time to time during the one-year period for correction of Work described in Section 12.2.** The Architect will have authority to act on behalf of the Owner only to the extent provided in the Contract Documents.

§ 4.2.2 The Architect will visit the site at intervals appropriate to the stage of construction, or as otherwise agreed with the Owner, to become generally familiar with the progress and quality of the portion of the Work completed, and to determine in general if the Work observed is being performed in a manner indicating that the Work, when fully completed, will be in accordance with the Contract Documents. However, the Architect will not be required to make exhaustive or continuous on-site inspections to check the quality or quantity of the Work. The Architect will not have control over, charge of, or responsibility for the construction means, methods, techniques, sequences or procedures, or for the safety precautions and programs in connection with the Work, since these are solely the Contractor's rights and responsibilities under the Contract Documents**, unless otherwise modified in writing in accordance with other provisions of the Contract.**

§ 4.2.3 On the basis of the site visits, the Architect will keep the Owner reasonably informed about the progress and quality of the portion of the Work completed, and promptly report to the Owner (1) known deviations from the Contract Documents, (2) known deviations from the most recent construction schedule submitted by the Contractor, and (3) defects and deficiencies observed in the Work. The Architect will not be responsible for the Contractor's failure to perform the Work in accordance with the requirements of the Contract Documents. The Architect will not have control over or charge of, and will not be responsible for acts or omissions of, the Contractor, Subcontractors, or their agents or employees, or any other persons or entities performing portions of the Work.

§ 4.2.4 Communications

The Owner and Contractor shall include the Architect in all communications that relate to or affect the Architect's services or professional responsibilities. The Owner shall promptly notify the Architect of the substance of any direct communications between the Owner and the Contractor otherwise relating to the Project. Communications by and with the Architect's consultants shall be through the Architect. Communications by and with Subcontractors and suppliers shall be through the Contractor. Communications by and with Separate Contractors shall be through the Owner. The Contract Documents may specify other communication protocols.

§ 4.2.5 Based on the Architect's evaluations of the Contractor's Applications for Payment, the Architect will review and certify the amounts due the Contractor and will issue Certificates for Payment in such amounts.

§ 4.2.6 The Architect has authority to reject Work that does not conform to the Contract Documents. Whenever the Architect considers it necessary or advisable, the Architect will have authority to require inspection or testing of the Work in accordance with Sections 13.4.2 and 13.4.3, whether or not the Work is fabricated, installed or completed. However, neither this authority of the Architect nor a decision made in good faith either to exercise or not to exercise such authority shall give rise to a duty or responsibility of the Architect to the Contractor, Subcontractors, suppliers, their agents or employees, or other persons or entities performing portions of the Work.

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§ 4.2.7 The Architect will review and approve, or take other appropriate action upon, the Contractor's submittals such as Shop Drawings, Product Data, and Samples, but only for the limited purpose of checking for conformance with information given and the design concept expressed in the Contract Documents. The Architect's action will be taken in accordance with the submittal schedule approved by the Architect or, in the absence of an approved submittal schedule, with reasonable promptness while allowing sufficient time in the Architect's professional judgment to permit adequate review. Review of such submittals is not conducted for the purpose of determining the accuracy and completeness of other details such as dimensions and quantities, or for substantiating instructions for installation or performance of equipment or systems, all of which remain the responsibility of the Contractor as required by the Contract Documents. The Architect's review of the Contractor's submittals shall not relieve the Contractor of the obligations under Sections 3.3, 3.5, and 3.12. The Architect's review shall not constitute approval of safety precautions or of any construction means, methods, techniques, sequences, or procedures. The Architect's approval of a specific item shall not indicate approval of an assembly of which the item is a component.

§ 4.2.8 The Architect will prepare Change Orders and Construction Change Directives, and may order minor changes in the Work as provided in Section 7.4. The Architect will investigate and make determinations and recommendations regarding concealed and unknown conditions as provided in Section 3.7.4.

§ 4.2.9 The Architect will conduct inspections to determine the date or dates of Substantial Completion and the date of final completion; issue Certificates of Substantial Completion pursuant to Section 9.8; receive and forward to the Owner, for the Owner's review and records, written warranties and related documents required by the Contract and assembled by the Contractor pursuant to Section 9.10; and issue a final Certificate for Payment pursuant to Section 9.10.

§ 4.2.10 If the Owner and Architect agree, the Architect will provide one or more Project representatives to assist in carrying out the Architect's responsibilities at the site. The Owner shall notify the Contractor of any change in the duties, responsibilities and limitations of authority of the Project representatives.

§ 4.2.11 The Architect will interpret and decide matters concerning performance under, and requirements of, the Contract Documents on written request of either the Owner or Contractor. The Architect's response to such requests will be made in writing within any time limits agreed upon or otherwise with reasonable promptness.

§ 4.2.12 Interpretations and decisions of the Architect will be consistent with the intent of, and reasonably inferable from, the Contract Documents and will be in writing or in the form of drawings. When making such interpretations and decisions, the Architect will endeavor to secure faithful performance by both Owner and Contractor, will not show partiality to either, and will not be liable for results of interpretations or decisions rendered in good faith.

§ 4.2.13 The Architect's decisions on matters relating to aesthetic effect will be final if consistent with the intent expressed in the Contract Documents.

§ 4.2.14 The Architect will review and respond to requests for information about the Contract Documents. The Architect's response to such requests will be made in writing within any time limits agreed upon or otherwise with reasonable promptness. If appropriate, the Architect will prepare and issue supplemental Drawings and Specifications in response to the requests for information.

ARTICLE 5 SUBCONTRACTORS

§ 5.1 Definitions

§ 5.1.1 A Subcontractor is a person or entity who has a direct contract with the Contractor to perform a portion of the Work at the site. The term "Subcontractor" is referred to throughout the Contract Documents as if singular in number and means a Subcontractor or an authorized representative of the Subcontractor. The term "Subcontractor" does not include a Separate Contractor or the subcontractors of a Separate Contractor.

§ 5.1.2 A Sub-subcontractor is a person or entity who has a direct or indirect contract with a Subcontractor to perform a portion of the Work at the site. The term "Sub-subcontractor" is referred to throughout the Contract Documents as if singular in number and means a Sub-subcontractor or an authorized representative of the Sub-subcontractor.

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§ 5.2 Award of Subcontracts and Other Contracts for Portions of the Work

§ 5.2.1 The apparent low bidder, within (3) days after bids are opened shall notify the Owner and Architect of the persons or entities proposed for each principal portion of the Work, including those who are to furnish materials or equipment fabricated to a special design. Within 14 days of receipt of the information, the Architect may notify the Contractor whether the Owner or the Architect (1) has reasonable objection to any such proposed person or (2) requires additional time for review. Failure of the Architect to provide notice within the 14-day period shall constitute notice of no reasonable objection.

§ 5.2.2 The Contractor shall not contract with a proposed person or entity to whom the Owner or Architect has made reasonable and timely objection. The Contractor shall not be required to contract with anyone to whom the Contractor has made reasonable objection.

§ 5.2.3 If the Owner or Architect has reasonable objection to a person or entity proposed by the Contractor, the Contractor shall propose another to whom the Owner or Architect has no reasonable objection.

§ 5.2.4 The Contractor shall not substitute a Subcontractor, person, or entity for one previously selected if the Owner or Architect makes reasonable objection to such substitution.

§ 5.3 Subcontractual Relations

By appropriate written agreement, the Contractor shall require each Subcontractor, to the extent of the Work to be performed by the Subcontractor, to be bound to the Contractor by terms of the Contract Documents, and to assume toward the Contractor all the obligations and responsibilities, including the responsibility for safety of the Subcontractor's Work that the Contractor, by these Contract Documents, assumes toward the Owner and Architect. Each subcontract agreement shall preserve and protect the rights of the Owner and Architect under the Contract Documents with respect to the Work to be performed by the Subcontractor so that subcontracting thereof will not prejudice such rights, and shall allow to the Subcontractor, unless specifically provided otherwise in the subcontract agreement, the benefit of all rights, remedies, and redress against the Contractor that the Contractor, by the Contract Documents, has against the Owner. Where appropriate, the Contractor shall require each Subcontractor to enter into similar agreements with Sub-subcontractors. The Contractor shall make available to each proposed Subcontractor, prior to the execution of the subcontract agreement, copies of the Contract Documents to which the Subcontractor will be bound, and, upon written request of the Subcontractor, identify to the Subcontractor terms and conditions of the proposed subcontract agreement that may be at variance with the Contract Documents. Subcontractors will similarly make copies of applicable portions of such documents available to their respective proposed Sub-subcontractors.

§ 5.4 Contingent Assignment of Subcontracts

§ 5.4.1 Each subcontract agreement for a portion of the Work is assigned by the Contractor to the Owner, provided that

.1 assignment is effective only after termination of the Contract by the Owner for cause pursuant to Section 14.2 and only for those subcontract agreements that the Owner accepts by notifying the Subcontractor and Contractor; and

.2 assignment is subject to the prior rights of the surety, if any, obligated under bond relating to the Contract.

When the Owner accepts the assignment of a subcontract agreement, the Owner assumes the Contractor's rights and obligations under the subcontract.

§ 5.4.2 Upon such assignment, if the Work has been suspended for more than 30 days, the Subcontractor's compensation **may** be equitably adjusted for increases in cost resulting from the suspension.

§ 5.4.3 Upon assignment to the Owner under this Section 5.4, the Owner may further assign the subcontract to a successor contractor or other entity.

ARTICLE 6 CONSTRUCTION BY OWNER OR BY SEPARATE CONTRACTORS

§ 6.1 Owner's Right to Perform Construction and to Award Separate Contracts

§ 6.1.1 The term "Separate Contractor(s)" shall mean other contractors retained by the Owner under separate agreements. The Owner reserves the right to perform construction or operations related to the Project with the Owner's own forces, and with Separate Contractors retained under Conditions of the Contract substantially similar to

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those of this Contract, including those provisions of the Conditions of the Contract related to insurance and waiver of subrogation.

§ 6.1.2 When separate contracts are awarded for different portions of the Project or other construction or operations on the site, the term "Contractor" in the Contract Documents in each case shall mean the Contractor who executes each separate Owner-Contractor Agreement.

§ 6.1.3 The Owner shall provide for coordination of the activities of the Owner's own forces and of each Separate Contractor with the Work of the Contractor, who shall cooperate with them. The Contractor shall participate with any Separate Contractors and the Owner in reviewing their construction schedules. The Contractor shall make any revisions to its construction schedule deemed necessary after a joint review and mutual agreement. The construction schedules shall then constitute the schedules to be used by the Contractor, Separate Contractors, and the Owner until subsequently revised.

§ 6.1.4 Unless otherwise provided in the Contract Documents, when the Owner performs construction or operations related to the Project with the Owner's own forces or with Separate Contractors, the Owner or its Separate Contractors shall have the same obligations and rights that the Contractor has under the Conditions of the Contract, including, without excluding others, those stated in Article 3, this Article 6, and Articles 10, 11, and 12.

§ 6.2 Mutual Responsibility

§ 6.2.1 The Contractor shall afford the Owner and Separate Contractors reasonable opportunity for introduction and storage of their materials and equipment and performance of their activities, and shall connect and coordinate the Contractor's construction and operations with theirs as required by the Contract Documents.

§ 6.2.2 If part of the Contractor's Work depends for proper execution or results upon construction or operations by the Owner or a Separate Contractor, the Contractor shall, prior to proceeding with that portion of the Work, promptly notify the Architect of apparent discrepancies or defects in the construction or operations by the Owner or Separate Contractor that would render it unsuitable for proper execution and results of the Contractor's Work. Failure of the Contractor to notify the Architect of apparent discrepancies or defects prior to proceeding with the Work shall constitute an acknowledgment that the Owner's or Separate Contractor's completed or partially completed construction is fit and proper to receive the Contractor's Work. The Contractor shall not be responsible for discrepancies or defects in the construction or operations by the Owner or Separate Contractor that are not apparent.

§ 6.2.3 The Contractor shall reimburse the Owner for costs the Owner incurs that are payable to a Separate Contractor because of the Contractor's delays, improperly timed activities or defective construction. The Owner shall be responsible to the Contractor for costs the Contractor incurs because of a Separate Contractor's delays, improperly timed activities, damage to the Work or defective construction.

§ 6.2.4 The Contractor shall promptly remedy damage that the Contractor wrongfully causes to completed or partially completed construction or to property of the Owner or Separate Contractor as provided in Section 10.2.5.

§ 6.2.5 The Owner and each Separate Contractor shall have the same responsibilities for cutting and patching as are described for the Contractor in Section 3.14.

§ 6.3 Owner's Right to Clean Up

If a dispute arises among the Contractor, Separate Contractors, and the Owner as to the responsibility under their respective contracts for maintaining the premises and surrounding area free from waste materials and rubbish, the Owner may clean up and the Architect will allocate the cost among those responsible.

ARTICLE 7 CHANGES IN THE WORK

§ 7.1 General

§ 7.1.1 Changes in the Work may be accomplished after execution of the Contract, and without invalidating the Contract, by Change Order, Construction Change Directive or order for a minor change in the Work, subject to the limitations stated in this Article 7 and elsewhere in the Contract Documents. **The total of all Change Orders on each contract shall not exceed (10%) of the contract price for each project and shall be subject to at least one of the following criteria:**

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1. **Minor changes for a total monetary value less than required for competitive bidding under the State Competitive Bid Laws.**
2. **Changes for matters relatively minor and incidental to the original contract necessitated by unforeseen circumstances arising during the course of the Work.**
3. **Emergencies arising during the course of the Work of the Contract.**
4. **Changes or Alterations provided for the original bidding where there is no difference in price on the Change Order from the original best bid on the Alternate.**
5. **Changes of relatively minor items not contemplated when the plans and specifications were prepared and the Project was bid, which are in the public interest.**

§ 7.1.2 A Change Order shall be based upon agreement among the Owner, Contractor, and Architect. A Construction Change Directive requires agreement by the Owner and Architect and may or may not be agreed to by the Contractor. An order for a minor change in the Work may be issued by the Architect alone.

§ 7.1.3 Changes in the Work shall be performed under applicable provisions of the Contract Documents. The Contractor shall proceed promptly with changes in the Work, unless otherwise provided in the Change Order, Construction Change Directive, or order for a minor change in the Work.

§ 7.2 Change Orders

§ 7.2.1 A Change Order is a written instrument prepared by the Architect and signed by the Owner, Contractor, and Architect stating their agreement upon all of the following:

.1 The change in the Work;
.2 The amount of the adjustment, if any, in the Contract Sum; and
.3 The extent of the adjustment, if any, in the Contract Time.
.4 **There shall be attached to each Change Order, a signed statement from the Architect containing the following:**

A. **A statement of what the Change Order covers and who instituted the Change Order and why it is necessary or desired.**
B. **A statement setting forth the reasons for using the Change Order method rather than taking new competitive bids.**
C. **A statement that all prices have been reviewed and found reasonable, fair, and equitable and recommending approval of the same.**

§ 7.2.2 Change Orders and Contract Sum Adjustments:

No change in the Work, Contract Sum, or Contract Time shall be valid unless executed by written Change Order or Construction Change Directive issued by the Owner in accordance with the Contract Documents. All Change Orders shall comply with the requirements of the Alabama Public Works Bid Law and applicable Attorney General opinions interpreting the law.

(a) Scope Limitation: Change Orders shall be limited to work that is incidental, closely related to, or necessary for the proper completion of the original scope of work. No Change Order shall materially alter the nature of the Project or substitute an entirely new undertaking for the original Contract.

(b) Compliance with Competitive Bidding: Change Orders shall not be used to circumvent the competitive bidding requirements of Alabama law. Any modification that is so substantial as to constitute a new or different undertaking must be procured by separate bid in accordance with Ala. Code § 39-2-2.

(c) Written Authorization Required: The Contractor shall not perform any work that will result in additional compensation or time without prior written approval from the Owner through a duly executed Change Order. Any work performed without such approval shall be at the Contractor's sole risk and expense.

(d) Supporting Documentation: All requests for a Change Order must include detailed cost breakdowns, schedule impacts, and any supporting documentation as required by the Owner.

(e) City Appropriation Contingency: All Change Orders are subject to available appropriations and shall not be effective unless sufficient funds are appropriated for the increase in the Contract Sum.

§ 7.3 Construction Change Directives

§ 7.3.1 A Construction Change Directive is a written order prepared by the Architect and signed by the Owner and Architect, directing a change in the Work prior to agreement on adjustment, if any, in the Contract Sum or Contract Time, or both. The Owner may by Construction Change Directive, without invalidating the Contract, order changes in the Work within the general scope of the Contract consisting of additions, deletions, or other revisions, the Contract Sum and Contract Time being adjusted accordingly.

§ 7.3.2 A Construction Change Directive shall be used in the absence of total agreement on the terms of a Change Order.

§ 7.3.3 If the Construction Change Directive provides for an adjustment to the Contract Sum, the adjustment shall be based on one of the following methods:

.1 Mutual acceptance of a lump sum properly itemized and supported by sufficient substantiating data to permit evaluation;
.2 Unit prices stated in the Contract Documents or subsequently agreed upon;
.3 Cost to be determined in a manner agreed upon by the parties and a mutually acceptable fixed or percentage fee; or
.4 As provided in Section 7.3.4.

§ 7.3.4 If the Contractor does not respond promptly or disagrees with the method for adjustment in the Contract Sum, the Architect shall determine the adjustment on the basis of reasonable expenditures and savings of those performing the Work attributable to the change, including, in case of an increase in the Contract Sum, an **allowance of (10%) mark-up on Subcontractor's direct cost (actual cost of Labor & Materials) and (15%) mark-up on General Contractor's direct (actual cost of Labor & Materials).** In such case, and also under Section 7.3.3.3, the Contractor

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shall keep and present, in such form as the Architect may prescribe, an itemized accounting together with appropriate supporting data. Unless otherwise provided in the Contract Documents, costs for the purposes of this Section 7.3.4 shall be limited to the following:

.1 Costs of labor, including applicable payroll taxes, fringe benefits required by agreement or custom, workers' compensation insurance, and other employee costs approved by the Architect;

.2 Costs of materials, supplies, and equipment, including cost of transportation, **actually incorporated or consumed in the work;**

.3 Rental costs of machinery and equipment, exclusive of hand tools, whether rented **by** the Contractor or others;

.4 Costs of premiums for all bonds and insurance, permit fees, and sales, use, or similar taxes, directly related to the change; and

.5 Costs of supervision and field office personnel directly attributable to the change.

§ 7.3.5 If the Contractor disagrees with the adjustment in the Contract Time, the Contractor may make a Claim in accordance with applicable provisions of Article 15.

§ 7.3.6 Upon receipt of a Construction Change Directive, the Contractor shall promptly proceed with the change in the Work involved and advise the Architect of the Contractor's agreement or disagreement with the method, if any, provided in the Construction Change Directive for determining the proposed adjustment in the Contract Sum or Contract Time.

§ 7.3.7 A Construction Change Directive signed by the Contractor indicates the Contractor's agreement therewith, including adjustment in Contract Sum and Contract Time or the method for determining them. Such agreement shall be effective immediately and shall be recorded as a Change Order.

§ 7.3.8 The amount of credit to be allowed by the Contractor to the Owner for a deletion or change that results in a net decrease in the Contract Sum shall be actual net cost as confirmed by the Architect. When both additions and credits covering related Work or substitutions are involved in a change, the allowance for overhead and profit shall be figured on the basis of net increase, if any, with respect to that change.

§ 7.3.9 Pending final determination of the total cost of a Construction Change Directive to the Owner, the Contractor may request payment for Work completed under the Construction Change Directive in Applications for Payment. The Architect will make an interim determination for purposes of monthly certification for payment for those costs and certify for payment the amount that the Architect determines, in the Architect's professional judgment, to be reasonably justified. The Architect's interim determination of cost shall adjust the Contract Sum on the same basis as a Change Order, subject to the right of either party to disagree and assert a Claim in accordance with Article 15.

§ 7.3.10 When the Owner and Contractor agree with a determination made by the Architect concerning the adjustments in the Contract Sum and Contract Time, or otherwise reach agreement upon the adjustments, such agreement shall be effective immediately and the Architect will prepare a Change Order. Change Orders may be issued for all or any part of a Construction Change Directive.

§ 7.4 Minor Changes in the Work

The Architect may order minor changes in the Work that are consistent with the intent of the Contract Documents and do not involve an adjustment in the Contract Sum or an extension of the Contract Time. The Architect's order for minor changes shall be in writing. If the Contractor believes that the proposed minor change in the Work will affect the Contract Sum or Contract Time, the Contractor shall notify the Architect and shall not proceed to implement the change in the Work. If the Contractor performs the Work set forth in the Architect's order for a minor change without prior notice to the Architect that such change will affect the Contract Sum or Contract Time, the Contractor waives any adjustment to the Contract Sum or extension of the Contract Time.

ARTICLE 8 TIME

§ 8.1 Definitions

§ 8.1.1 Unless otherwise provided, Contract Time is the period of time, including authorized adjustments, allotted in the Contract Documents for Substantial Completion of the Work.

§ 8.1.2 The date of commencement of the Work is the date established in the Agreement.

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§ 8.1.3 The date of Substantial Completion is the date certified by the Architect in accordance with Section 9.8.

§ 8.1.4 The term "day" as used in the Contract Documents shall mean calendar day unless otherwise specifically defined.

§ 8.2 Progress and Completion

§ 8.2.1 Time limits stated in the Contract Documents are of the essence of the Contract. By executing the Agreement, the Contractor confirms that the Contract Time is a reasonable period for performing the Work.

1. **No Work shall commence and no materials ordered until the Owner issues the written Notice to Proceed.**
2. **The Work shall be commenced within ten (10) days of the date of written Notice to Proceed.**

§ 8.2.2 The Contractor shall not knowingly, except by agreement or instruction of the Owner in writing, commence the Work prior to the effective date of insurance required to be furnished by the Contractor and Owner.

§ 8.2.3 The Contractor shall proceed expeditiously with adequate forces and shall achieve Substantial Completion within the Contract Time.

§ 8.3 Delays and Extensions of Time

§ 8.3.1 If the Contractor is delayed at any time in the commencement or progress of the Work by (1) an act or neglect of the Owner or Architect, of an employee of either, or of a Separate Contractor; (2) by changes ordered in the Work; (3) by labor disputes, fire, unusual delay in deliveries, unavoidable casualties, adverse weather conditions documented in accordance with Section 15.1.6.2, or other causes beyond the Contractor's control; (4) by delay authorized by the Owner ; or (5) by other causes that the Contractor asserts, and the Architect determines, justify delay, then the Contract Time shall be extended for such reasonable time as the Architect may determine.

§ 8.3.2 Claims relating to time shall be made in accordance with applicable provisions of Article 15.

§ 8.3.3 This Section 8.3 does not preclude recovery of damages for delay by either party under other provisions of the Contract Documents.

§ 8.4 Liquidated Damages

§ 8.4.1 Time is the essence of the Contract. Any delay in the completion of the Work as provided for in the Contract Documents will cause inconvenience to the public and loss and damage to the Owner in interest, and in additional administrative, architectural, inspection, and supervision charges. Therefore, a time charge equal to ($250.00) per calendar day will be made against the Contractor for the entire period that any part of the Work remains uncompleted or any required closeout documents are not acceptably submitted for more that (30) days after the time specified for the Substantial Completition of the Work, the amount of which shall be deducted by the Owner, and shall be retained by the Owner out of monies otherwise due the Contractor in the final payment, not as a penalty, but as liquidated damages sustatined.

ARTICLE 9 PAYMENTS AND COMPLETION

§ 9.1 Contract Sum

§ 9.1.1 The Contract Sum is stated in the Agreement and, including authorized adjustments, is the total amount payable by the Owner to the Contractor for performance of the Work under the Contract Documents.

§ 9.1.2 If unit prices are stated in the Contract Documents or subsequently agreed upon, and if quantities originally contemplated are materially changed so that application of such unit prices to the actual quantities causes substantial inequity to the Owner or Contractor, the applicable unit prices shall be equitably adjusted.

§ 9.2 Schedule of Values

Where the Contract is based on a stipulated sum or Guaranteed Maximum Price, the Contractor shall submit a schedule of values to the Architect before the first Application for Payment, allocating the entire Contract Sum to the various portions of the Work. The schedule of values shall be prepared in the form, and supported by the data to substantiate its accuracy, required by the Architect. This schedule, unless objected to by the Architect, shall be used as a basis for reviewing the Contractor's Applications for Payment. Any changes to the schedule of values shall be

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submitted to the Architect and supported by such data to substantiate its accuracy as the Architect may require, and unless objected to by the Architect, shall be used as a basis for reviewing the Contractor's subsequent Applications for Payment.

1. **Unit Prices and Allowances, if stated in Contract Documents, shall be identified within the Schedule of Values.**

§ 9.3 Applications for Payment

§ 9.3.1 The Contractor shall submit to the Architect **on the first of each month for Work performed through the 25th of the preceding month, four (4) original, itemized Applications for Payment for Work completed in accordance with the accepted** schedule of values, if required under Section 9.2, for completed portions of the Work. The application shall be notarized and supported by all data substantiating the Contractor's right to payment that the Owner or Architect require, such copies of requisitions, and releases and waivers of liens from Subcontractors and suppliers, and shall reflect retainage **and documents as follows:**

1. **Until the final payment is made, the Owner shall pay ninety-seven and one half percent (97.5%) of the amount due the Contractor on account of progress payments (note: the 2-1/2% retainage is calculated by withholding the first 5% of the first 50% of the Work completed); and**
2. **The Contractor shall provide documentation substantiating that test, inspections and approvals for portions of Work included in an Application for Payment and required by the Contract Documents, or by laws, ordinances, rules, regulations or orders of public authorities having jurisdiction were made at the appropriate time.**

§ 9.3.1.1 Such applications may include requests for payment on account of changes in the Work, **which have been authorized and approved by properly executed Change Order(s)**.

§ 9.3.2 Unless otherwise provided in the Contract Documents, payments shall be made on account of materials and equipment delivered and suitably stored at the site for subsequent incorporation in the Work. If approved in advance by the Owner, payment may similarly be made for materials and equipment suitably stored off the site at a location agreed upon in writing. Payment for materials and equipment stored on or off the site shall be conditioned upon compliance by the Contractor with procedures satisfactory to the Owner to establish the Owner's title to such materials and equipment or otherwise protect the Owner's interest, and shall include the costs of applicable insurance, storage, and transportation to the site, for such materials and equipment stored off the site.

§ 9.3.3 The Contractor warrants that title to all Work covered by an Application for Payment will pass to the Owner no later than the time of payment. The Contractor further warrants that upon submittal of an Application for Payment all Work for which Certificates for Payment have been previously issued and payments received from the Owner shall, to the best of the Contractor's knowledge, information, and belief, be free and clear of liens, claims, security interests, or encumbrances, in favor of the Contractor, Subcontractors, suppliers, or other persons or entities that provided labor, materials, and equipment relating to the Work.

§ 9.4 Certificates for Payment

§ 9.4.1 The Architect will, within seven days after receipt of the Contractor's Application for Payment, either (1) issue to the Owner a Certificate for Payment in the full amount of the Application for Payment, with a copy to the Contractor; or (2) issue to the Owner a Certificate for Payment for such amount as the Architect determines is properly due, and notify the Contractor and Owner of the Architect's reasons for withholding certification in part as provided in Section 9.5.1; or (3) withhold certification of the entire Application for Payment, and notify the Contractor and Owner of the Architect's reason for withholding certification in whole as provided in Section 9.5.1.

§ 9.4.2 The issuance of a Certificate for Payment will constitute a representation by the Architect to the Owner, based on the Architect's evaluation of the Work and the data in the Application for Payment, that, to the best of the Architect's knowledge, information, and belief, the Work has progressed to the point indicated, the quality of the Work is in accordance with the Contract Documents, and that the Contractor is entitled to payment in the amount certified. The foregoing representations are subject to an evaluation of the Work for conformance with the Contract Documents upon Substantial Completion, to results of subsequent tests and inspections, to correction of minor deviations from the Contract Documents prior to completion, and to specific qualifications expressed by the Architect.

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However, the issuance of a Certificate for Payment will not be a representation that the Architect has (1) made exhaustive or continuous on-site inspections to check the quality or quantity of the Work; (2) reviewed construction means, methods, techniques, sequences, or procedures; (3) reviewed copies of requisitions received from Subcontractors and suppliers and other data requested by the Owner to substantiate the Contractor's right to payment; or (4) made examination to ascertain how or for what purpose the Contractor has used money previously paid on account of the Contract Sum.

§ 9.5 Decisions to Withhold Certification

§ 9.5.1 The Architect may withhold a Certificate for Payment in whole or in part, to the extent reasonably necessary to protect the Owner, if in the Architect's opinion the representations to the Owner required by Section 9.4.2 cannot be made. If the Architect is unable to certify payment in the amount of the Application, the Architect will notify the Contractor and Owner as provided in Section 9.4.1. If the Contractor and Architect cannot agree on a revised amount, the Architect will promptly issue a Certificate for Payment for the amount for which the Architect is able to make such representations to the Owner. The Architect may also withhold a Certificate for Payment or, because of subsequently discovered evidence, may nullify the whole or a part of a Certificate for Payment previously issued, to such extent as may be necessary in the Architect's opinion to protect the Owner from loss for which the Contractor is responsible, including loss resulting from acts and omissions described in Section 3.3.2, because of

- **.1** defective Work not remedied;
- **.2** third party claims filed or reasonable evidence indicating probable filing of such claims, unless security acceptable to the Owner is provided by the Contractor;
- **.3** failure of the Contractor to make payments properly to Subcontractors or suppliers for labor, materials or equipment;
- **.4** reasonable evidence that the Work cannot be completed for the unpaid balance of the Contract Sum;
- **.5** damage to the Owner or a Separate Contractor;
- **.6** reasonable evidence that the Work will not be completed within the Contract Time, and that the unpaid balance would not be adequate to cover actual or liquidated damages for the anticipated delay; or
- **.7** repeated failure to carry out the Work in accordance with the Contract Documents.

§ 9.5.2 When either party disputes the Architect's decision regarding a Certificate for Payment under Section 9.5.1, in whole or in part, that party may submit a Claim in accordance with Article 15.

§ 9.5.3 When the reasons for withholding certification are removed, certification will be made for amounts previously withheld.

§ 9.5.4 If the Architect withholds certification for payment under Section 9.5.1.3, the Owner may, at its sole option, issue joint checks to the Contractor and to any Subcontractor or supplier to whom the Contractor failed to make payment for Work properly performed or material or equipment suitably delivered. If the Owner makes payments by joint check, the Owner shall notify the Architect and the Contractor shall reflect such payment on its next Application for Payment.

§ 9.6 Progress Payments

§ 9.6.1 After the Architect has issued a Certificate for Payment, the Owner shall make payment in the manner and within the time provided in the Contract Documents, and shall so notify the Architect.

§ 9.6.2 The Contractor shall pay each Subcontractor, no later than seven days after receipt of payment from the Owner, the amount to which the Subcontractor is entitled, reflecting percentages actually retained from payments to the Contractor on account of the Subcontractor's portion of the Work. The Contractor shall, by appropriate agreement with each Subcontractor, require each Subcontractor to make payments to Sub-subcontractors in a similar manner.

§ 9.6.3 The Architect will, on request, furnish to a Subcontractor, if practicable, information regarding percentages of completion or amounts applied for by the Contractor and action taken thereon by the Architect and Owner on account of portions of the Work done by such Subcontractor.

§ 9.6.4 The Owner has the right to request written evidence from the Contractor that the Contractor has properly paid Subcontractors and suppliers amounts paid by the Owner to the Contractor for subcontracted Work. If the Contractor fails to furnish such evidence within seven days, the Owner shall have the right to contact Subcontractors and suppliers

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to ascertain whether they have been properly paid. Neither the Owner nor Architect shall have an obligation to pay, or to see to the payment of money to, a Subcontractor or supplier, except as may otherwise be required by law.

§ 9.6.5 The Contractor's payments to suppliers shall be treated in a manner similar to that provided in Sections 9.6.2, 9.6.3 and 9.6.4.

§ 9.6.6 A Certificate for Payment, a progress payment, or partial or entire use or occupancy of the Project by the Owner shall not constitute acceptance of Work not in accordance with the Contract Documents.

§ 9.6.7 Unless the Contractor provides the Owner with a payment bond in the full penal sum of the Contract Sum, payments received by the Contractor for Work properly performed by Subcontractors or provided by suppliers shall be held by the Contractor for those Subcontractors or suppliers who performed Work or furnished materials, or both, under contract with the Contractor for which payment was made by the Owner. Nothing contained herein shall require money to be placed in a separate account and not commingled with money of the Contractor, create any fiduciary liability or tort liability on the part of the Contractor for breach of trust, or entitle any person or entity to an award of punitive damages against the Contractor for breach of the requirements of this provision.

§ 9.6.8 Provided the Owner has fulfilled its payment obligations under the Contract Documents, the Contractor shall defend and indemnify the Owner from all loss, liability, damage or expense, including reasonable attorney's fees and litigation expenses, arising out of any lien claim or other claim for payment by any Subcontractor or supplier of any tier. Upon receipt of notice of a lien claim or other claim for payment, the Owner shall notify the Contractor. If approved by the applicable court, when required, the Contractor may substitute a surety bond for the property against which the lien or other claim for payment has been asserted.

§ 9.7 Failure of Payment

If the Architect does not issue a Certificate for Payment, through no fault of the Contractor, within seven days after receipt of the Contractor's Application for Payment, or if the Owner does not pay the Contractor within seven days after the date established in the Contract Documents, the amount certified by the **Architect**, then the Contractor may, upon seven additional days' notice to the Owner and Architect, stop the Work until payment of the amount owing has been received. The Contract Time **may** be extended appropriately and the Contract Sum **may** be increased by the amount of the Contractor's reasonable costs of shutdown, delay and start-up, plus interest as provided for in the Contract Documents.

§ 9.8 Substantial Completion

§ 9.8.1 Substantial Completion is the stage in the progress of the Work when the Work or designated portion thereof is sufficiently complete in accordance with the Contract Documents so that the Owner can occupy or utilize the Work for its intended use.

§ 9.8.2 When the Contractor considers that the Work, or a portion thereof which the Owner agrees to accept separately, is substantially complete, the Contractor shall prepare and submit to the Architect a comprehensive list of items to be completed or corrected prior to final payment. Failure to include an item on such list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

§ 9.8.3 Upon receipt of the Contractor's list, the Architect will make an inspection to determine whether the Work or designated portion thereof is substantially complete. If the Architect's inspection discloses any item, whether or not included on the Contractor's list, which is not sufficiently complete in accordance with the Contract Documents so that the Owner can occupy or utilize the Work or designated portion thereof for its intended use, the Contractor shall, before issuance of the Certificate of Substantial Completion, complete or correct such item upon notification by the Architect. In such case, the Contractor shall then submit a request for another inspection by the Architect to determine Substantial Completion.

§ 9.8.4 When the Work or designated portion thereof is substantially complete, the Architect will prepare a Certificate of Substantial Completion that shall establish the date of Substantial Completion; establish responsibilities of the Owner and Contractor for security, maintenance, heat, utilities, damage to the Work and insurance; and fix the time within which the Contractor shall finish all items on the list accompanying the Certificate. Warranties required by the Contract Documents shall commence on the date of Substantial Completion of the Work or designated portion thereof unless otherwise provided in the Certificate of Substantial Completion.

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§ 9.8.5 The Certificate of Substantial Completion shall be submitted to the Owner and Contractor for their written acceptance of responsibilities assigned to them in the Certificate. Upon such acceptance, and consent of surety if any, the Owner shall make payment of retainage applying to the Work .

§ 9.9 Partial Occupancy or Use

§ 9.9.1 The Owner may occupy or use any completed or partially completed portion of the Work at any stage when such portion is designated by separate agreement with the Contractor, provided such occupancy or use is consented to by the insurer and authorized by public authorities having jurisdiction over the Project. Such partial occupancy or use may commence whether or not the portion is substantially complete, provided the Owner and Contractor have accepted in writing the responsibilities assigned to each of them for payments, retainage, if any, security, maintenance, heat, utilities, damage to the Work and insurance, and have agreed in writing concerning the period for correction of the Work and commencement of warranties required by the Contract Documents. When the Contractor considers a portion substantially complete, the Contractor shall prepare and submit a list to the Architect as provided under Section 9.8.2. Consent of the Contractor to partial occupancy or use shall not be unreasonably withheld. The stage of the progress of the Work shall be determined by written agreement between the Owner and Contractor or, if no agreement is reached, by decision of the Architect.

§ 9.9.2 Immediately prior to such partial occupancy or use, the Owner, Contractor, and Architect shall jointly inspect the area to be occupied or portion of the Work to be used in order to determine and record the condition of the Work.

§ 9.9.3 Unless otherwise agreed upon, partial occupancy or use of a portion or portions of the Work shall not constitute acceptance of Work not complying with the requirements of the Contract Documents.

§ 9.10 Final Completion and Final Payment

§ 9.10.1 Upon receipt of the Contractor's notice that the Work is ready for final inspection and acceptance and upon receipt of a final Application for Payment, the Architect will promptly make such inspection. When the Architect finds the Work acceptable under the Contract Documents and the Contract fully performed, the Architect will promptly issue a final Certificate for Payment stating that to the best of the Architect's knowledge, information and belief, and on the basis of the Architect's on-site visits and inspections, the Work has been completed in accordance with the Contract Documents and that the entire balance found to be due the Contractor and noted in the final Certificate is due and payable. The Architect's final Certificate for Payment will constitute a further representation that conditions listed in Section 9.10.2 as precedent to the Contractor's being entitled to final payment have been fulfilled.

§ 9.10.2 Neither final payment nor any remaining retained percentage shall become due until the Contractor submits to the Architect (1) an affidavit that payrolls, bills for materials and equipment, and other indebtedness connected with the Work for which the Owner or the Owner's property might be responsible or encumbered (less amounts withheld by Owner) have been paid or otherwise satisfied, (2) a certificate evidencing that insurance required by the Contract Documents to remain in force after final payment is currently in effect, (3) a written statement that the Contractor knows of no reason that the insurance will not be renewable to cover the period required by the Contract Documents, (4) consent of surety, if any, to final payment, **(5) Contractors Affidavit of Release of Liens, (6) separate Releases or Waivers of Liens from Subcontractors and material and equipment suppliers, (7) written warranty on Contractor's letterhead covering materials and labor for one-year, and (8) the advertisement of completion. The Contractor shall provide proof of publication of Advertisement of completion in a local newspaper for three (3) consecutive weeks, as required in Title 39, Section 39-1-1, Subsection (f), of the Code of Alabama. The final 2.5% retained will not be paid until proof of publication is submitted and all written claims paid in full. This advertisement shall not begin until the City of Mobile has accepted the Project.**

§ 9.10.3 If, after Substantial Completion of the Work, final completion thereof is materially delayed through no fault of the Contractor and the Architect so confirms, the Owner shall, upon application by the Contractor and certification by the Architect, and without terminating the Contract, make payment of the balance due for that portion of the Work fully completed, corrected, and accepted. If the remaining balance for Work not fully completed or corrected is less than retainage stipulated in the Contract Documents, and if bonds have been furnished, the written consent of the surety to payment of the balance due for that portion of the Work fully completed and accepted shall be submitted by the Contractor to the Architect prior to certification of such payment. Such payment shall be made under terms and conditions governing final payment, except that it shall not constitute a waiver of Claims.

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§ 9.10.4 The making of final payment shall constitute a waiver of Claims by the Owner except those arising from

- **.1** liens, Claims, security interests, or encumbrances arising out of the Contract and unsettled;
- **.2** failure of the Work to comply with the requirements of the Contract Documents;
- **.3** terms of special warranties required by the Contract Documents; or
- **.4** audits performed by the Owner, if permitted by the Contract Documents, after final payment.

§ 9.10.5 Acceptance of final payment by the Contractor, a Subcontractor, or a supplier, shall constitute a waiver of claims by that payee except those previously made in writing and identified by that payee as unsettled at the time of final Application for Payment.

ARTICLE 10 PROTECTION OF PERSONS AND PROPERTY

§ 10.1 Safety Precautions and Programs

The Contractor shall be responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the performance of the Contract.

§ 10.2 Safety of Persons and Property

§ 10.2.1 The Contractor shall **comply with all Federal, State, and Local law regarding safety including the requirements of the Occupational Safety and Health Act of 1970, Public Law #91-596, latest version**. **Contractor shall** take **all other** reasonable precautions for safety of, and shall provide reasonable protection to prevent damage, injury, or loss to

- **.1** employees on the Work and other persons who may be affected thereby;
- **.2** the Work and materials and equipment to be incorporated therein, whether in storage on or off the site, under care, custody, or control of the Contractor, a Subcontractor, or a Sub-subcontractor; and
- **.3** other property at the site or adjacent thereto, such as trees, shrubs, lawns, walks, pavements, roadways, structures, and utilities not designated for removal, relocation, or replacement in the course of construction.
- **.4** **The Contractor shall be responsible for damage done to buried cables and other utilities by its equipment and shall contact the appropriate offices prior to construction for information depth, etc., of utilities in the area.**

§ 10.2.2 The Contractor shall comply with, and give notices required by applicable laws, statutes, ordinances, codes, rules and regulations, and lawful orders of public authorities, bearing on safety of persons or property or their protection from damage, injury, or loss.

§ 10.2.3 The Contractor shall implement, erect, and maintain, as required by existing conditions and performance of the Contract, reasonable safeguards for safety and protection, including posting danger signs and other warnings against hazards; promulgating safety regulations; and notifying the owners and users of adjacent sites and utilities of the safeguards.

§ 10.2.4 When use or storage of explosives or other hazardous materials or equipment, or unusual methods are necessary for execution of the Work, the Contractor shall exercise utmost care and carry on such activities under supervision of properly qualified personnel.

§ 10.2.5 The Contractor shall promptly remedy damage and loss to property referred to in Sections 10.2.1.2 and 10.2.1.3 caused in whole or in part by the Contractor, a Subcontractor, a Sub-subcontractor, or anyone directly or indirectly employed by any of them, or by anyone for whose acts they may be liable and for which the Contractor is responsible under Sections 10.2.1.2 and 10.2.1.3. The Contractor may make a Claim for the cost to remedy the damage or loss to the extent such damage or loss is attributable to acts or omissions of the Owner or Architect or anyone directly or indirectly employed by either of them, or by anyone for whose acts either of them may be liable, and not attributable to the fault or negligence of the Contractor. The foregoing obligations of the Contractor are in addition to the Contractor's obligations under Section 3.18.

§ 10.2.6 The Contractor shall designate a responsible member of the Contractor's organization at the site whose duty shall be the prevention of accidents. This person shall be the Contractor's superintendent unless otherwise designated by the Contractor in writing to the Owner and Architect.

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§ 10.2.7 The Contractor shall not permit any part of the construction or site to be loaded so as to cause damage or create an unsafe condition.

§ 10.2.8 Injury or Damage to Person or Property
If either party suffers injury or damage to person or property because of an act or omission of the other party, or of others for whose acts such party is legally responsible, notice of the injury or damage, whether or not insured, shall be given to the other party within a reasonable time not exceeding 21 days after discovery. The notice shall provide sufficient detail to enable the other party to investigate the matter.

§ 10.3 Hazardous Materials and Substances
§ 10.3.1 The Contractor is responsible for compliance with any requirements included in the Contract Documents regarding hazardous materials or substances. If the Contractor encounters a hazardous material or substance not addressed in the Contract Documents and if reasonable precautions will be inadequate to prevent foreseeable bodily injury or death to persons resulting from a material or substance, including but not limited to asbestos or polychlorinated biphenyl (PCB), encountered on the site by the Contractor, the Contractor shall, upon recognizing the condition, immediately stop Work in the affected area and notify the Owner and Architect of the condition.

§ 10.3.2 Upon receipt of the Contractor's notice, the Owner shall obtain the services of a licensed laboratory to verify the presence or absence of the material or substance reported by the Contractor and, in the event such material or substance is found to be present, to cause it to be rendered harmless. Unless otherwise required by the Contract Documents, the Owner shall furnish in writing to the Contractor and Architect the names and qualifications of persons or entities who are to perform tests verifying the presence or absence of the material or substance or who are to perform the task of removal or safe containment of the material or substance. The Contractor and the Architect will promptly reply to the Owner in writing stating whether or not either has reasonable objection to the persons or entities proposed by the Owner. If either the Contractor or Architect has an objection to a person or entity proposed by the Owner, the Owner shall propose another to whom the Contractor and the Architect have no reasonable objection. When the material or substance has been rendered harmless, Work in the affected area shall resume upon written agreement of the Owner and Contractor. By Change Order, the Contract Time shall be extended appropriately and the Contract Sum shall be increased by the amount of the Contractor's reasonable additional costs of shutdown, delay, and start-up, **except to the extent that any such delay is attributable to the Contractor's objection to the persons or entitles whom Owner shall have furnished to perform the task of removal of safe containment of such material or substance.**

(Paragraph deleted)
§ 10.3.4 The Owner shall not be responsible **for materials or substances brought to the site by the Contractor regardless of whether such materials or substances were required by the Contract Documents.**

§ 10.3.5 The Contractor shall reimburse the Owner for the cost and expense the Owner incurs (1) for remediation of hazardous materials or substances the Contractor brings to the site and negligently handles, or (2) where the Contractor fails to perform its obligations under Section 10.3.1, except to the extent that the cost and expense are due to the Owner's fault or negligence.

§ 10.3.6 If, without negligence **or wantonness** on the part of the Contractor, the Contractor is held liable by a government agency for the cost of remediation of a hazardous material or substance solely by reason of performing Work as required by the Contract Documents, the Owner **may** reimburse the Contractor for all **reasonable** cost and expense thereby incurred.

§ 10.4 Emergencies
In an emergency affecting safety of persons or property, the Contractor shall act, at the Contractor's discretion, to prevent threatened damage, injury, or loss. Additional compensation or extension of time claimed by the Contractor on account of an emergency **may** be determined **only** as provided in Article 15 and Article 7.

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ARTICLE 11 INSURANCE AND BONDS

§ 11.1 Contractor's Insurance and Bonds

§ 11.1.1 The Contractor shall purchase and maintain insurance of the types and limits of liability, containing the endorsements, and subject to the terms and conditions, as described in the Agreement or elsewhere in the Contract Documents. The Contractor shall purchase and maintain the required insurance from an insurance company or insurance companies lawfully authorized to issue insurance in the jurisdiction where the Project is located. The Owner, Architect, and Architect's consultants shall be named as additional insureds under the Contractor's commercial general liability policy or as otherwise described in the Contract Documents.

§ 11.1.2 The Contractor shall provide surety bonds of the types, for such penal sums, and subject to such terms and conditions as required by the Contract Documents. The Contractor shall purchase and maintain the required bonds from a company or companies lawfully authorized to issue surety bonds in the jurisdiction where the Project is located.

§ 11.1.3 Upon the request of any person or entity appearing to be a potential beneficiary of bonds covering payment of obligations arising under the Contract, the Contractor shall promptly furnish a copy of the bonds or shall authorize a copy to be furnished.

§ 11.1.4 Notice of Cancellation or Expiration of Contractor's Required Insurance. Within three (3) business days of the date the Contractor becomes aware of an impending or actual cancellation or expiration of any insurance required by the Contract Documents, the Contractor shall provide notice to the Owner of such impending or actual cancellation or expiration. Upon receipt of notice from the Contractor, the Owner shall, unless the lapse in coverage arises from an act or omission of the Owner, have the right to stop the Work until the lapse in coverage has been cured by the procurement of replacement coverage by the Contractor. The furnishing of notice by the Contractor shall not relieve the Contractor of any contractual obligation to provide any required coverage.

§ 11.2 Owner's Insurance

§ 11.2.2 Failure to Purchase Required Property Insurance. If the Owner fails to purchase and maintain the required property insurance, with all of the coverages and in the amounts described in the Agreement or elsewhere in the Contract Documents, the Owner shall inform the Contractor in writing prior to commencement of the Work. Upon receipt of notice from the Owner, the Contractor may delay commencement of the Work and may obtain insurance that will protect the interests of the Contractor, Subcontractors, and Sub-Subcontractors in the Work. When the failure to provide coverage has been cured or resolved, the Contract Sum and Contract Time shall be equitably adjusted. In the event the Owner fails to procure coverage, the Owner waives all rights against the Contractor, Subcontractors, and Sub-subcontractors to the extent the loss to the Owner would have been covered by the insurance to have been procured by the Owner. The cost of the insurance shall be charged to the Owner by a Change Order. If the Owner does not provide written notice, and the Contractor is damaged by the failure or neglect of the Owner to purchase or maintain the required insurance, the Owner shall reimburse the Contractor for all reasonable costs and damages attributable thereto.

§ 11.2.3 Notice of Cancellation or Expiration of Owner's Required Property Insurance. Within three (3) business days of the date the Owner becomes aware of an impending or actual cancellation or expiration of any property insurance required by the Contract Documents, the Owner shall provide notice to the Contractor of such impending or actual cancellation or expiration. Unless the lapse in coverage arises from an act or omission of the Contractor: (1) the Contractor, upon receipt of notice from the Owner, shall have the right to stop the Work until the lapse in coverage has been cured by the procurement of replacement coverage by either the Owner or the Contractor; (2) the Contract Time and Contract Sum shall be equitably adjusted.

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(Paragraphs deleted)

ARTICLE 12 UNCOVERING AND CORRECTION OF WORK

§ 12.1 Uncovering of Work

§ 12.1.1 If a portion of the Work is covered contrary to the Architect's request or to requirements specifically expressed in the Contract Documents, it must, if requested in writing by the Architect, be uncovered for the Architect's examination and be replaced at the Contractor's expense without change in the Contract Time.

§ 12.1.2 If a portion of the Work has been covered that the Architect has not specifically requested to examine prior to its being covered, the Architect may request to see such Work and it shall be uncovered by the Contractor. If such Work is in accordance with the Contract Documents, the Contractor shall be entitled to an equitable adjustment to the Contract Sum and Contract Time as may be appropriate. If such Work is not in accordance with the Contract Documents, the costs of uncovering the Work, and the cost of correction, shall be at the Contractor's expense.

§ 12.2 Correction of Work

§ 12.2.1 Before Substantial Completion

The Contractor shall promptly correct Work rejected by the Architect or failing to conform to the requirements of the Contract Documents, discovered before Substantial Completion and whether or not fabricated, installed or completed. Costs of correcting such rejected Work, including additional testing and inspections, the cost of uncovering and replacement, and compensation for the Architect's services and expenses made necessary thereby, shall be at the Contractor's expense.

§ 12.2.2 After Substantial Completion

§ 12.2.2.1 In addition to the Contractor's obligations under Section 3.5, if, within one year after the date of Substantial Completion of the Work or designated portion thereof or after the date for commencement of warranties established under Section 9.9.1, or by terms of any applicable special warranty required by the Contract Documents, any of the Work is found to be not in accordance with the requirements of the Contract Documents, the Contractor shall correct it promptly after receipt of notice from the Owner to do so, unless the Owner has previously given the Contractor a written acceptance of such condition. The Owner shall give such notice promptly after discovery of the condition. During the one-year period for correction of Work, if the Owner fails to notify the Contractor and give the Contractor an opportunity to make the correction, the Owner waives the rights to require correction by the Contractor and to make a claim for breach of warranty. If the Contractor fails to correct nonconforming Work within a reasonable time during that period after receipt of notice from the Owner or Architect, the Owner may correct it in accordance with Section 2.5.

§ 12.2.2.2 The one-year period for correction of Work shall be extended with respect to portions of Work first performed after Substantial Completion by the period of time between Substantial Completion and the actual completion of that portion of the Work.

§ 12.2.2.3 The one-year period for correction of Work shall not be extended by corrective Work performed by the Contractor pursuant to this Section 12.2.

§ 12.2.3 The Contractor shall remove from the site portions of the Work that are not in accordance with the requirements of the Contract Documents and are neither corrected by the Contractor nor accepted by the Owner.

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§ 12.2.4 The Contractor shall bear the cost of correcting destroyed or damaged construction of the Owner or Separate Contractors, whether completed or partially completed, caused by the Contractor's correction or removal of Work that is not in accordance with the requirements of the Contract Documents.

§ 12.2.5 Nothing contained in this Section 12.2 shall be construed to establish a period of limitation with respect to other obligations the Contractor has under the Contract Documents. Establishment of the one-year period for correction of Work as described in Section 12.2.2 relates only to the specific obligation of the Contractor to correct the Work, and has no relationship to the time within which the obligation to comply with the Contract Documents may be sought to be enforced, nor to the time within which proceedings may be commenced to establish the Contractor's liability with respect to the Contractor's obligations other than specifically to correct the Work.

§ 12.3 Acceptance of Nonconforming Work

If the Owner prefers to accept Work that is not in accordance with the requirements of the Contract Documents, the Owner may do so instead of requiring its removal and correction, in which case the Contract Sum will be reduced as appropriate and equitable. Such adjustment shall be effected whether or not final payment has been made.

ARTICLE 13 MISCELLANEOUS PROVISIONS

§ 13.1 Governing Law

The Contract shall be governed by the law of **State of Alabama.**

§ 13.2 Successors and Assigns

§ 13.2.1 The Owner and Contractor respectively bind themselves, their partners, successors, assigns, and legal representatives to covenants, agreements, and obligations contained in the Contract Documents. Except as provided in Section 13.2.2, neither party to the Contract shall assign the Contract as a whole without written consent of the other. If either party attempts to make an assignment without such consent, that party shall nevertheless remain legally responsible for all obligations under the Contract.

§ 13.2.2 The Owner may, without consent of the Contractor, assign the Contract to a lender providing construction financing for the Project, if the lender assumes the Owner's rights and obligations under the Contract Documents. The Contractor shall execute all consents reasonably required to facilitate the assignment.

§ 13.2.3 No assignment of the Contract shall be made without the written permission of Surety providing bonding and the City of Mobile.

§ 13.3 Rights and Remedies

§ 13.3.1 Duties and obligations imposed by the Contract Documents and rights and remedies available thereunder shall be in addition to and not a limitation of duties, obligations, rights, and remedies otherwise imposed or available by law.

§ 13.3.2 No action or failure to act by the Owner, Architect, or Contractor shall constitute a waiver of a right or duty afforded them under the Contract, nor shall such action or failure to act constitute approval of or acquiescence in a breach thereunder, except as may be specifically agreed upon in writing.

§ 13.4 Tests and Inspections

§ 13.4.1 Tests, inspections, and approvals of portions of the Work shall be made as required by the Contract Documents and by applicable laws, statutes, ordinances, codes, rules, and regulations or lawful orders of public authorities. Unless otherwise provided, the Contractor shall make arrangements for such tests, inspections, and approvals with an independent testing laboratory or entity acceptable to the Owner, or with the appropriate public authority, and shall bear all related costs of tests, inspections, and approvals. The Contractor shall give the Architect timely notice of when and where tests and inspections are to be made so that the Architect may be present for such procedures. The Owner shall bear costs of tests, inspections, or approvals that do not become requirements until after bids are received or negotiations concluded. The Owner shall directly arrange and pay for tests, inspections, or approvals where building codes or applicable laws or regulations so require.

§ 13.4.2 If the Architect, Owner, or public authorities having jurisdiction determine that portions of the Work require additional testing, inspection, or approval not included under Section 13.4.1, the Architect will, upon written authorization from the Owner, instruct the Contractor to make arrangements for such additional testing, inspection, or

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approval, by an entity acceptable to the Owner, and the Contractor shall give timely notice to the Architect of when and where tests and inspections are to be made so that the Architect may be present for such procedures. Such costs, except as provided in Section 13.4.3, shall be at the Owner's expense.

§ 13.4.3 If procedures for testing, inspection, or approval under Sections 13.4.1 and 13.4.2 reveal failure of the portions of the Work to comply with requirements established by the Contract Documents, all costs made necessary by such failure, including those of repeated procedures and compensation for the Architect's services and expenses, shall be at the Contractor's expense.

§ 13.4.4 Required certificates of testing, inspection, or approval shall, unless otherwise required by the Contract Documents, be secured by the Contractor and promptly delivered to the Architect.

§ 13.4.5 If the Architect is to observe tests, inspections, or approvals required by the Contract Documents, the Architect will do so promptly and, where practicable, at the normal place of testing.

§ 13.4.6 Tests or inspections conducted pursuant to the Contract Documents shall be made promptly to avoid unreasonable delay in the Work.

(Paragraphs deleted)

§ 13.4.7 Test, inspections or approvals made in addition to the Architect's normal design and contract administration services caused by the Contractor shall be paid for by the Contractor. The normal service schedule is contained in Article 2.8.1 of AIA B102-2017 as amended by the Owner and is available to Contractor on request.

§ 13.4.8 The Contractor must call the Urban Development Department of the City of Mobile for their inspections and approval at the times required by the Urban Development Department, as well as notify the Architect, Consulting Engineer, and/or Test Laboratory, for inspection and approval of sub-grade conditions, under slab and footing conditions, vapor barrier placement, reinforcing steel placement, all structural connections, electrical, mechanical, etc. None of the above will be accepted that have been covered up before receiving approval of the Architect or his Consultant.

ARTICLE 14 TERMINATION OR SUSPENSION OF THE CONTRACT

§ 14.1 Termination by the Contractor

§ 14.1.1 The Contractor may terminate the Contract if the Work is stopped for a period of 30 consecutive days through no act or fault of the Contractor, a Subcontractor, a Sub-subcontractor, their agents or employees, or any other persons or entities performing portions of the Work, for any of the following reasons:

- **.1** Issuance of an order of a court or other public authority having jurisdiction that requires all Work to be stopped;
- **.2** An act of government, such as a declaration of national emergency, that requires all Work to be stopped;
- **.3** Because the Architect has not issued a Certificate for Payment and has not notified the Contractor of the reason for withholding certification as provided in Section 9.4.1, or because the Owner has not made payment on a Certificate for Payment within the time stated in the Contract Documents; or
- **.4** The Owner has failed to furnish to the Contractor reasonable evidence as required by Section 2.2.

§ 14.1.2 The Contractor may terminate the Contract if, through no act or fault of the Contractor, a Subcontractor, a Sub-subcontractor, their agents or employees, or any other persons or entities performing portions of the Work, repeated suspensions, delays, or interruptions of the entire Work by the Owner as described in Section 14.3, constitute in the aggregate more than 100 percent of the total number of days scheduled for completion, or 120 days in any 365-day period, whichever is less.

§ 14.1.3 If one of the reasons described in Section 14.1.1 or 14.1.2 exists, the Contractor may, upon seven days' notice to the Owner and Architect, terminate the Contract and recover from the Owner payment for Work **executed.**

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§ 14.1.4 If the Work is stopped for a period of 60 consecutive days through no act or fault of the Contractor, a Subcontractor, a Sub-subcontractor, or their agents or employees or any other persons or entities performing portions of the Work because the Owner has repeatedly failed to fulfill the Owner's obligations under the Contract Documents with respect to matters important to the progress of the Work, the Contractor may, upon seven additional days' notice to the Owner and the Architect, terminate the Contract and recover from the Owner as provided in Section 14.1.3.

§ 14.2 Termination by the Owner for Cause

§ 14.2.1 The Owner may terminate the Contract if the Contractor

- **.1** repeatedly refuses or fails to supply enough properly skilled workers or proper materials;
- **.2** fails to make payment to Subcontractors or suppliers in accordance with the respective agreements between the Contractor and the Subcontractors or suppliers;
- **.3** repeatedly disregards applicable laws, statutes, ordinances, codes, rules and regulations, or lawful orders of a public authority; or
- **.4** otherwise is guilty of substantial breach of a provision of the Contract Documents.

§ 14.2.2 When any of the reasons described in Section 14.2.1 exist, and upon certification by the Architect that sufficient cause exists to justify such action, the Owner may, without prejudice to any other rights or remedies of the Owner and after giving the Contractor and the Contractor's surety, if any, seven days' notice, terminate employment of the Contractor and may, subject to any prior rights of the surety:

- **.1** Exclude the Contractor from the site and take possession of all materials, equipment, tools, and construction equipment and machinery thereon owned by the Contractor;
- **.2** Accept assignment of subcontracts pursuant to Section 5.4; and
- **.3** Finish the Work by whatever reasonable method the Owner may deem expedient. Upon written request of the Contractor, the Owner shall furnish to the Contractor a detailed accounting of the costs incurred by the Owner in finishing the Work.

§ 14.2.3 When the Owner terminates the Contract for one of the reasons stated in Section 14.2.1, the Contractor shall not be entitled to receive further payment until the Work is finished.

§ 14.2.4 If the unpaid balance of the Contract Sum exceeds costs of finishing the Work, including compensation for the Architect's services and expenses made necessary thereby, and other damages incurred by the Owner and not expressly waived, such excess shall be paid to the Contractor. If such costs and damages exceed the unpaid balance, the Contractor shall pay the difference to the Owner. The amount to be paid to the Contractor or Owner, as the case may be, shall be certified by the Initial Decision Maker, upon application, and this obligation for payment shall survive termination of the Contract.

§ 14.3 Suspension by the Owner for Convenience

§ 14.3.1 The Owner may, without cause, order the Contractor in writing to suspend, delay or interrupt the Work, in whole or in part for such period of time as the Owner may determine.

§ 14.3.2 The Contract Sum and Contract Time **may** be adjusted for increases in the cost and time caused by suspension, delay, or interruption under Section 14.3.1. Adjustment of the Contract Sum shall include profit. No adjustment shall be made to the extent

- **.1** that performance is, was, or would have been, so suspended, delayed, or interrupted, by another cause for which the Contractor is responsible; or
- **.2** that an equitable adjustment is made or denied under another provision of the Contract.

§ 14.4 Termination by the Owner for Convenience

§ 14.4.1 The Owner may, at any time, terminate the Contract for the Owner's convenience and without cause.

§ 14.4.2 Upon receipt of notice from the Owner of such termination for the Owner's convenience, the Contractor shall

- **.1** cease operations as directed by the Owner in the notice;
- **.2** take actions necessary, or that the Owner may direct, for the protection and preservation of the Work; and
- **.3** except for Work directed to be performed prior to the effective date of termination stated in the notice, terminate all existing subcontracts and purchase orders and enter into no further subcontracts and purchase orders.

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§ 14.4.3 In case of such termination for the Owner's convenience, the Owner shall pay the Contractor for Work properly executed costs incurred by reason of **termination.**

ARTICLE 15 CLAIMS AND DISPUTES

§ 15.1 Claims

§ 15.1.1 Definition

A Claim is a demand or assertion by one of the parties seeking, as a matter of right, payment of money, a change in the Contract Time, or other relief with respect to the terms of the Contract. The term "Claim" also includes other disputes and matters in question between the Owner and Contractor arising out of or relating to the Contract. The responsibility to substantiate Claims shall rest with the party making the Claim. This Section 15.1.1 does not require the Owner to file a Claim in order to impose liquidated damages in accordance with the Contract Documents.

§ 15.1.2 Time Limits on Claims

The Owner and Contractor shall commence all Claims and causes of action against the other and arising out of or related to the Contract, whether in contract, tort, breach of warranty or otherwise, in accordance with the requirements of the binding dispute resolution method selected in the Agreement and within the period specified by applicable law, but in any case not more than 10 years after the date of Substantial Completion of the Work. The Owner and Contractor waive all Claims and causes of action not commenced in accordance with this Section 15.1.2.

§ 15.1.3 Notice of Claims

§ 15.1.3.1 Claims by either the Owner or Contractor, where the condition giving rise to the Claim is first discovered prior to expiration of the period for correction of the Work set forth in Section 12.2.2, shall be initiated within 21 days after occurrence of the event giving rise to such Claim or within 21 days after the claimant **acting with due diligence, reasonably should have first recognized** the condition giving rise to the Claim, whichever is later. **Claims must be initiated by written notice to the Architect and the other party.**

§ 15.1.3.2 Claims by either the Owner or Contractor, where the condition giving rise to the Claim is first discovered after expiration of the period for correction of the Work set forth in Section 12.2.2, shall be initiated by notice to the other party. In such event, no decision by the Initial Decision Maker is required.

§ 15.1.4 Continuing Contract Performance

§ 15.1.4.1 Pending final resolution of a Claim, except as otherwise agreed in writing or as provided in Section 9.7 and Article 14, the Contractor shall proceed diligently with performance of the Contract and the Owner shall continue to make payments in accordance with the Contract Documents.

§ 15.1.4.2 The Contract Sum and Contract Time shall be adjusted in accordance with the Initial Decision Maker's decision, subject to the right of either party to proceed in accordance with this Article 15. The Architect will issue Certificates for Payment in accordance with the decision of the Initial Decision Maker.

§ 15.1.5 Claims for Additional Cost

If the Contractor wishes to make a Claim for an increase in the Contract Sum, notice as provided in Section 15.1.3 shall be given before proceeding to execute the portion of the Work **giving rise to such claim.** that is the subject of the Claim. Prior notice is not required for Claims relating to an emergency endangering life or property arising under Section 10.4.

§ 15.1.6 Claims for Additional Time

§ 15.1.6.1 If the Contractor wishes to make a Claim for an increase in the Contract Time, notice as provided in Section 15.1.3 shall be given. The Contractor's Claim shall include an estimate of cost and of probable effect of delay on progress of the Work. In the case of a continuing delay, only one Claim is necessary.

§ 15.1.6.2 If adverse weather conditions are the basis for a Claim for additional time, such Claim shall be documented by data substantiating that weather conditions were abnormal for the period of time, could not have been reasonably anticipated, and had an adverse effect on the scheduled construction.

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§ 15.1.7 Waiver of Claims for Consequential Damages

The Contractor and Owner waive Claims against each other for consequential damages arising out of or relating to this Contract. This mutual waiver includes

.1 damages incurred by the Owner for rental expenses, for losses of use, income, profit, financing, business and reputation, and for loss of management or employee productivity or of the services of such persons; and

.2 damages incurred by the Contractor for principal office expenses including the compensation of personnel stationed there, for losses of financing, business and reputation, and for loss of profit, except anticipated profit arising directly from the Work.

This mutual waiver is applicable, without limitation, to all consequential damages due to either party's termination in accordance with Article 14. Nothing contained in this Section 15.1.7 shall be deemed to preclude assessment of liquidated damages, when applicable, in accordance with the requirements of the Contract Documents.

§ 15.2 Initial Decision

§ 15.2.1 Claims, excluding those where the condition giving rise to the Claim is first discovered after expiration of the period for correction of the Work set forth in Section 12.2.2 or arising under Sections 10.3, 10.4, and 11.5, shall be referred to the Initial Decision Maker for initial decision. The Architect will serve as the Initial Decision Maker, unless otherwise indicated in the Agreement. Except for those Claims excluded by this Section 15.2.1, an initial decision shall be required as a condition precedent to mediation of any Claim. If an initial decision has not been rendered within 30 days after the Claim has been referred to the Initial Decision Maker, the party asserting the Claim may demand mediation and binding dispute resolution without a decision having been rendered. Unless the Initial Decision Maker and all affected parties agree, the Initial Decision Maker will not decide disputes between the Contractor and persons or entities other than the Owner.

§ 15.2.2 The **Architect** will review Claims and within ten days of the receipt of a Claim take one or more of the following actions: (1) request additional supporting data from the claimant or a response with supporting data from the other party, (2) reject the Claim in whole or in part, (3) approve the Claim, (4) suggest a compromise, or (5) advise the parties that the Initial Decision Maker is unable to resolve the Claim if the Initial Decision Maker lacks sufficient information to evaluate the merits of the Claim or if the **Architect reasonably concludes that**, it would be inappropriate for the Initial Decision Maker to resolve the Claim.

§ 15.2.3 In evaluating Claims, the Initial Decision Maker may, but shall not be obligated to, consult with or seek information from either party or from persons with special knowledge or expertise who may assist the Initial Decision Maker in rendering a decision. The Initial Decision Maker may request the Owner to authorize retention of such persons at the Owner's expense.

§ 15.2.4 If the Initial Decision Maker requests a party to provide a response to a Claim or to furnish additional supporting data, such party shall respond, within ten days after receipt of the request, and shall either (1) provide a response on the requested supporting data, (2) advise the Initial Decision Maker when the response or supporting data will be furnished, or (3) advise the Initial Decision Maker that no supporting data will be furnished. Upon receipt of the response or supporting data, if any, the Initial Decision Maker will either reject or approve the Claim in whole or in part.

§ 15.2.5 The Initial Decision Maker will render an initial decision approving or rejecting the Claim, or indicating that the Initial Decision Maker is unable to resolve the Claim. This initial decision shall (1) be in writing; (2) state the reasons **therefore**; and (3) notify the parties and the Architect, if the Architect is not serving as the Initial Decision Maker, of any change in the Contract Sum or Contract Time or both. The initial decision shall be final and binding on the parties .

(Paragraphs deleted)

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§ 15.2.7 In the event of a Claim against the Contractor, the Owner may, but is not obligated to, notify the surety, if any, of the nature and amount of the Claim. If the Claim relates to a possibility of a Contractor's default, the Owner may, but is not obligated to, notify the surety and request the surety's assistance in resolving the controversy.

§ 15.2.8 If a Claim relates to or is the subject of a mechanic's lien, the party asserting such Claim may proceed in accordance with applicable law to comply with the lien notice or filing deadlines.

§ 15.3 Mediation

§ 15.3.1 Claims, disputes, or other matters in controversy arising out of or related to the Contract, except those waived as provided for in Sections 9.10.4, 9.10.5, and 15.1.7, shall **not** be subject to mediation as a condition precedent to binding dispute resolution.

(Paragraphs deleted)

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Instruments of Service are representations, in any medium of expression now known or later developed, of the tangible and intangible creative work performed by the Architect and the Architect's consultants under their respective professional services agreements. Instruments of Service may include, without limitation, studies, surveys, models, sketches, drawings, **Project Manual,** specifications, and other similar materials.

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~~**§ 1.7 Digital Data Use and Transmission**~~

~~The parties shall agree upon written protocols governing the transmission and use of, and reliance on, Instruments of Service or any other information or documentation in digital form.~~

~~**§ 1.8 Building Information Models Use and Reliance**~~

~~Any use of, or reliance on, all or a portion of a building information model without agreement to written protocols governing the use of, and reliance on, the information contained in the model shall be at the using or relying party's sole risk and without liability to the other party and its contractors or consultants, the authors of, or contributors to, the building information model, and each of their agents and employees.~~

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~~**§ 2.1.2** The Owner shall furnish to the Contractor, within fifteen days after receipt of a written request, information necessary and relevant for the Contractor to evaluate, give notice of, or enforce mechanic's lien rights. Such information shall include a correct statement of the record legal title to the property on which the Project is located, usually referred to as the site, and the Owner's interest therein.~~

PAGE 13

§ 3.3.4 Three (3) days after the opening of the Bids, the Contractor shall furnish for written approval, an outline of the education, experience, and character of the Contractor's Project Manager, Superintendent, and Engineer. Any future substitution must have prior written approval of the Architect.

PAGE 14

§ 3.4.4 The Contractor's or his/her Subcontractor's supervisors and workmen engaged on special work or skilled Work in any supervisory position or trade shall be qualified and have had sufficient education, training, and experience as a recognized professional or master mechanic in such Work to perform it properly and satisfactorily as prescribed in the Contract Documents.

§ 3.4.5 Any project manager, superintendent, engineer, foreman, or workman employed by the Contractor or by a Subcontractor who, in the sole opinion of the Architect, does not perform his/her Work in a proper and skillful manner or becomes party to disrespectful, intemperate, disorderly, intoxicated, or dishonest behavior, or uses foul language, fights, commits criminal act(s), falsifies records and construction, covers-up faulty Work

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or materials, does not comprehend or follow instructions, does not get along with the Architect or Owner's representative, or is otherwise objectionable, shall at the written request by the Architect, be discharged 24 hours by the Contractor or Subcontractor employing such project manager, superintendent, engineer, foreman or workman, and shall not be employed again or any portion of the Work without the written consent of the Architect.

§ 3.4.6 Should the Contractor fail to remove such person or persons specified in Article 3.4.5 hereinabove or fail to furnish suitable and sufficient machinery, equipment, materials or qualified labor force for the proper execution of the Work, the Architect may withhold all payments which are or may become due to the Contractor or may suspend the Work until such orders are complied with.

§ 3.4.7 Contractor shall abide by provisions of Section 14.1 and Section 14.2, Code of the City of Mobile, originally adopted December 10, 1991. Prohibiting Discrimination in Employment by Contractors, Subcontractors, and Vendors performing Work and providing materials and supplies for the City of Mobile. A copy of said Code is located in the City's Projects Architectural Engineering Department. Certification of compliance with this requirement shall be made for all persons involved in the Work by the signature of the General Conditions on the Bid Form.

...

§ 3.7.1 Unless otherwise provided in the Contract Documents, the Contractor shall ~~secure and pay for the building permit as well as for~~ **City of Mobile building permit without cost, and shall secure and pay for** other permits, fees, licenses, and inspections by government agencies necessary for proper execution and completion of the Work that are customarily secured after execution of the Contract and legally required at the time bids are received or negotiations concluded.

§ 3.7.1.1 The Contractor shall secure building and other permits customarily obtained from the City of Mobile at no cost.
PAGE 16

§ 3.10.1 The Contractor, ~~promptly~~ **within ten (10) business days** after being awarded the Contract, shall submit for the Owner's and Architect's information a Contractor's construction schedule for the Work. The schedule shall contain detail appropriate for the Project, including (1) the date of commencement of the Work, interim schedule milestone dates, and the date of Substantial Completion; (2) an apportionment of the Work by construction activity; and (3) the time required for completion of each portion of the Work. The schedule shall provide for the orderly progression of the Work to completion and shall not exceed time limits current under the Contract Documents. The schedule shall be revised at appropriate intervals as required by the conditions of the Work and Project.

...

§ 3.12.5 The Contractor shall review for compliance with the Contract Documents, approve, and submit to the Architect, Shop Drawings, Product Data, Samples, and similar submittals required by the Contract ~~Documents, in accordance with the submittal schedule approved by the Architect or, in the absence of an approved submittal schedule, with~~ Documentswith reasonable promptness and in such sequence as to cause no delay in the Work or in the activities of the Owner or of Separate Contractors. **Submittals which are not marked as reviewed for compliance with the Contract Documents and approved by the Contractor may be returned by the Architect without action. Wherever Shop Drawings are required in these Specifications, Shop Drawings shall be submitted for approval before materials are fabricated. Drawings shall show complete details. The General Contractor shall check and approve them either in writing or by stamp before forwarding to the Architect. The Architect will mark copies "Approved" if correct; or, "Approved As Noted" if only minor corrections are necessary. If major corrections are necessary, they will be noted on the Shop Drawings and they will be returned to the Contractor for correction and resubmission. Submit four (4) copies for Architect's and Owner's use plus the number of copies the Contractor requires for his/her own use.**
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§ 3.18.1 To the fullest extent permitted by law, the Contractor shall indemnify and hold harmless the Owner, Architect, Architect's consultants, and agents and employees of any of them from and against claims, damages, losses, and expenses, including but not limited to attorneys' fees, arising out of or resulting from performance of the Work, provided that such claim, damage, loss, or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the Work itself), but only to the extent caused by the negligent acts or omissions of the Contractor, a Subcontractor, anyone directly or indirectly employed by them, or anyone for whose acts they may be liable, regardless of whether or not such claim, damage, loss, or expense is caused in part by a party indemnified hereunder. Such obligation shall not be construed to negate, abridge, or reduce other rights or obligations of indemnity ~~that~~ **which** would otherwise exist as to a party or person described in this Section 3.18.
PAGE 19

§ 3.19 As applicable, the Contractor shall be responsible at the appropriate time during construction of the Project to have all permanent meters installed (electrical, water, gas, etc.) and all utilities connected prior to the time of Final Inspection. The Contractor shall pay all utility costs until the Project is accepted by the City of Mobile.

...

§ 4.1.1 The ~~Architect is the person or entity retained by the Owner pursuant to Section 2.3.2 and identified as such in the Agreement.~~**Owner shall retain an Architect lawfully licensed to practice architecture or an entity lawfully practicing architecture in the jurisdiction where the Project is located. That person or entity is identified as the Architect in the Agreement and is referred to throughout the Contract Documents as if singular in number.**

...

§ 4.2.1 The Architect will provide administration of the Contract as described in the Contract Documents and will be an Owner's representative ~~during construction until the date the Architect issues the final Certificate for Payment.~~ **(1) during construction, (2) until all conditions necessary for the final completion and payment have been fulfilled, and (3) with the Owner's concurrence, from time to time during the one-year period for correction of Work described in Section 12.2.** The Architect will have authority to act on behalf of the Owner only to the extent provided in the Contract Documents.

§ 4.2.2 The Architect will visit the site at intervals appropriate to the stage of construction, or as otherwise agreed with the Owner, to become generally familiar with the progress and quality of the portion of the Work completed, and to determine in general if the Work observed is being performed in a manner indicating that the Work, when fully completed, will be in accordance with the Contract Documents. However, the Architect will not be required to make exhaustive or continuous on-site inspections to check the quality or quantity of the Work. The Architect will not have control over, charge of, or responsibility for the construction means, methods, techniques, sequences or procedures, or for the safety precautions and programs in connection with the Work, since these are solely the Contractor's rights and responsibilities under the Contract ~~Documents.~~Documents**, unless otherwise modified in writing in accordance with other provisions of the Contract.**
PAGE 21

§ 5.2.1 ~~Unless otherwise stated in the Contract Documents, the Contractor, as soon as practicable after award of the Contract,~~ **The apparent low bidder, with (3) days after bids are** opened shall notify the Owner and Architect of the persons or entities proposed for each principal portion of the Work, including those who are to furnish materials or equipment fabricated to a special design. Within 14 days of receipt of the information, the Architect may notify the Contractor whether the Owner or the Architect (1) has reasonable objection to any such proposed person or entity or (2) requires additional time for review. Failure of the Architect to provide notice within the 14-day period shall constitute notice of no reasonable objection.

...

§ 5.2.3 If the Owner or Architect has reasonable objection to a person or entity proposed by the Contractor, the Contractor shall propose another to whom the Owner or Architect has no reasonable objection. ~~If the proposed but rejected Subcontractor was reasonably capable of performing the Work, the Contract Sum and Contract Time shall be~~

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~~increased or decreased by the difference, if any, occasioned by such change, and an appropriate Change Order shall be issued before commencement of the substitute Subcontractor's Work. However, no increase in the Contract Sum or Contract Time shall be allowed for such change unless the Contractor has acted promptly and responsively in submitting names as required.~~

...

§ 5.4.2 Upon such assignment, if the Work has been suspended for more than 30 days, the Subcontractor's compensation ~~shall~~ **may** be equitably adjusted for increases in cost resulting from the suspension.

§ 5.4.3 Upon assignment to the Owner under this Section 5.4, the Owner may further assign the subcontract to a successor contractor or other entity. ~~If the Owner assigns the subcontract to a successor contractor or other entity, the Owner shall nevertheless remain legally responsible for all of the successor contractor's obligations under the subcontract.~~

PAGE 22

§ 7.1.1 Changes in the Work may be accomplished after execution of the Contract, and without invalidating the Contract, by Change Order, Construction Change Directive or order for a minor change in the Work, subject to the limitations stated in this Article 7 and elsewhere in the Contract Documents. **The total of all Change Orders on each contract shall not exceed (10%) of the contract price for each project and shall be subject to at least one of the following criteria:**

1. **Minor changes for a total monetary value less than required for competitive bidding under the State Competitive Bid Laws.**
2. **Changes for matters relatively minor and incidental to the original contract necessitated by unforeseen circumstances arising during the course of the Work.**
3. **Emergencies arising during the course of the Work of the Contract.**
4. **Changes or Alterations provided for the original bidding where there is no difference in price on the Change Order from the original best bid on the Alternate.**
5. **Changes or relatively minor items not contemplated when the plans and specifications were prepared and the Project was bid, which are in the public interest.**

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.4 There shall be attached to each Change Order, a signed statement from the Architect containing the following:

A. **A statement of what the Change Order covers and who instituted the Change Order and why it is necessary or desired.**

B. **A statement setting forth the reasons for using the Change Order method rather than taking new competitive bids.**

C. **A statement that all prices have been reviewed and found reasonable, fair, and equitable and recommending approval of the same.**

...

§ 7.3.4 If the Contractor does not respond promptly or disagrees with the method for adjustment in the Contract Sum, the Architect shall determine the adjustment on the basis of reasonable expenditures and savings of those performing the Work attributable to the change, including, in case of an increase in the Contract Sum, an ~~amount for overhead and profit as set forth in the Agreement, or if no such amount is set forth in the Agreement, a reasonable amount.~~ **allowance of (10%) mark-up on Subcontractor's direct cost (actual cost of Labor & Materials) and (15%) mark-up on General Contractor's direct (actual cost of Labor & Materials).** In such case, and also under Section 7.3.3.3, the Contractor shall keep and present, in such form as the Architect may prescribe, an itemized accounting together with appropriate supporting data. Unless otherwise provided in the Contract Documents, costs for the purposes of this Section 7.3.4 shall be limited to the following:

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.2 Costs of materials, supplies, and equipment, including cost of transportation, ~~whether incorporated or consumed;~~**actually incorporated or consumed in the work;**

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.3 Rental costs of machinery and equipment, exclusive of hand tools, whether rented ~~from~~ **by** the Contractor or others;

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1. **No Work shall commence and no materials ordered until the Owner issues the written Notice to Proceed.**
2. **The Work shall be commenced with ten (10) days of the date of written Notice to Proceed.**

...

§ 8.3.1 If the Contractor is delayed at any time in the commencement or progress of the Work by (1) an act or neglect of the Owner or Architect, of an employee of either, or of a Separate Contractor; (2) by changes ordered in the Work; (3) by labor disputes, fire, unusual delay in deliveries, unavoidable casualties, adverse weather conditions documented in accordance with Section 15.1.6.2, or other causes beyond the Contractor's control; (4) by delay authorized by the Owner ~~pending mediation and binding dispute resolution; ~~; or (5) by other causes that the Contractor asserts, and the Architect determines, justify delay, then the Contract Time shall be extended for such reasonable time as the Architect may determine.

...

§ 8.4 Liquidated Damages

§ 8.4.1 Time is the essence of the Contract. Any delay in the completion of the Work as provided for in the Contract Documents will cause inconvenience to the public and loss and damage to the Owner in interest, and in additional administrative, architectural, inspection, and supervision charges. Therefore, a time charge equal to ($250.00) per calendar day will be made against the Contractor for the entire period that any part of the Work remains uncompleted or any required closeout documents are not acceptable submitted for more that (30) days after the time specified for the Substantial Completition of the Work, the amount of which shall be deducted by the Owner, and shall be retained by the Owner out of monies otherwise due the Contractor in the final payment, not as a penalty, but as liquidated damages sustatined.

PAGE 26

1. **Unit Prices and Allowances, if stated in Contract Documents, shall be identified within the Schedule of Values.**

...

§ 9.3.1 ~~At least ten days before the date established for each progress payment, the~~ **The** Contractor shall submit to the Architect ~~an itemized Application for Payment prepared in accordance with the~~ **on the first of each month for Work performed through the 25th of the preceding month, four (4) original, itemized Applications for Payment for Work completed in accordance with the accepted** schedule of values, if required under Section 9.2, for completed portions of the Work. The application shall be ~~notarized, if required,~~ notarized and supported by all data substantiating the Contractor's right to payment that the Owner or Architect require, such ~~as~~ copies of requisitions, and releases and waivers of liens from Subcontractors and suppliers, and shall reflect ~~retainage if provided for in the Contract Documents.~~retainage **and documents as follows:**

1. **Until the final payment is made, the Owner shall pay ninety-seven and on half percent (97.5%) of the amount due the Contractor on account of progress payments (note: the 2-1/2% retainage is calculated by withholding the first 5% of the first 50% of the Work completed); and**
2. **The Contractor shall provide documentation substantiating that test, inspections and approvals for portions of Work included in an Application for Payment and required by the Contract Documents, or by laws, ordinances, rules, regulations or orders of public authorities having jurisdiction were made at the appropriate time.**

§ 9.3.1.1 ~~As provided in Section 7.3.9, such~~ **Such** applications may include requests for payment on account of changes in the ~~Work that have been properly authorized by Construction Change Directives, or by interim determinations of the Architect, but not yet included in Change Orders.~~Work, **which have been authorized and approved by properly executed Change Order(s)**.

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§ 9.3.1.2 ~~Applications for Payment shall not include requests for payment for portions of the Work for which the Contractor does not intend to pay a Subcontractor or supplier, unless such Work has been performed by others whom the Contractor intends to pay.~~**Such applications may include requests for payment on account of changes in the Work, which have been authorized and approved by properly executed Change Order(s).**
PAGE 28

If the Architect does not issue a Certificate for Payment, through no fault of the Contractor, within seven days after receipt of the Contractor's Application for Payment, or if the Owner does not pay the Contractor within seven days after the date established in the Contract Documents, the amount certified by the ~~Architect or awarded by binding dispute resolution,~~ **Architect**, then the Contractor may, upon seven additional days' notice to the Owner and Architect, stop the Work until payment of the amount owing has been received. The Contract Time ~~shall~~ **may** be extended appropriately and the Contract Sum ~~shall~~ **may** be increased by the amount of the Contractor's reasonable costs of shutdown, delay and start-up, plus interest as provided for in the Contract Documents.
PAGE 29

§ 9.8.5 The Certificate of Substantial Completion shall be submitted to the Owner and Contractor for their written acceptance of responsibilities assigned to them in the Certificate. Upon such acceptance, and consent of surety if any, the Owner shall make payment of retainage applying to the Work ~~or designated portion thereof. Such payment shall be adjusted for Work that is incomplete or not in accordance with the requirements of the Contract Documents.~~.

...

§ 9.10.2 Neither final payment nor any remaining retained percentage shall become due until the Contractor submits to the Architect (1) an affidavit that payrolls, bills for materials and equipment, and other indebtedness connected with the Work for which the Owner or the Owner's property might be responsible or encumbered (less amounts withheld by Owner) have been paid or otherwise satisfied, (2) a certificate evidencing that insurance required by the Contract Documents to remain in force after final payment is currently in effect, (3) a written statement that the Contractor knows of no reason that the insurance will not be renewable to cover the period required by the Contract Documents, (4) consent of surety, if any, to final payment, **(5)** ~~documentation of any special warranties, such as manufacturers' warranties or specific Subcontractor warranties, and (6) if required by the Owner, other data establishing payment or satisfaction of obligations, such as receipts and releases and waivers of liens, claims, security interests, or encumbrances arising out of the Contract, to the extent and in such form as may be designated by the Owner. If a Subcontractor refuses to furnish a release or waiver required by the Owner, the Contractor may furnish a bond satisfactory to the Owner to indemnify the Owner against such lien, claim, security interest, or encumbrance. If a lien, claim, security interest, or encumbrance remains unsatisfied after payments are made, the Contractor shall refund to the Owner all money that the Owner may be compelled to pay in discharging the lien, claim, security interest, or encumbrance, including all costs and reasonable attorneys' fees.~~**Contractors Affidavit of Release of Liens, (6) separate Releases or Waivers of Liens from Subcontractors and material and equipment suppliers, (7) written warranty on Contractor's letterhead covering materials and labor for one-year, and (8) the advertisement of completion. The Contractor shall provide proof of publication of Advertisement of completion in a local newspaper for three (3) consecutive weeks, as required in Title 30, Section 39-1-1, Subsection (f), of the Code of Alabama. The final 2.5% retained will not be paid until proof of publication is submitted and all written claims paid in full. This advertisement shall not begin until the City of Mobile has accepted the Project.**

§ 9.10.3 If, after Substantial Completion of the Work, final completion thereof is materially delayed through no fault of the Contractor ~~or by issuance of Change Orders affecting final completion,~~ and the Architect so confirms, the Owner shall, upon application by the Contractor and certification by the Architect, and without terminating the Contract, make payment of the balance due for that portion of the Work fully completed, corrected, and accepted. If the remaining balance for Work not fully completed or corrected is less than retainage stipulated in the Contract Documents, and if bonds have been furnished, the written consent of the surety to payment of the balance due for that portion of the Work fully completed and accepted shall be submitted by the Contractor to the Architect prior to certification of such payment. Such payment shall be made under terms and conditions governing final payment, except that it shall not constitute a waiver of Claims.
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§ 10.2.1 The Contractor shall **comply with all Federal, State, and Local law regarding safety including the requirements of the Occupational Safety and Health Act of 1970, Public Law #91-596, latest version**. **Contractor shall** take **all other** reasonable precautions for safety of, and shall provide reasonable protection to prevent damage, injury, or loss to

...

.3 other property at the site or adjacent thereto, such as trees, shrubs, lawns, walks, pavements, roadways, structures, and utilities not designated for removal, relocation, or replacement in the course of construction.

.4 The Contractor shall be responsible for damage done to buried cables and other utilities by its equipment and shall contact the appropriate offices prior to construction for information depth, etc., of utilities in the area.

...

§ 10.2.5 The Contractor shall promptly remedy damage and loss ~~(other than damage or loss insured under property insurance required by the Contract Documents)~~ () to property referred to in Sections 10.2.1.2 and 10.2.1.3 caused in whole or in part by the Contractor, a Subcontractor, a Sub-subcontractor, or anyone directly or indirectly employed by any of them, or by anyone for whose acts they may be liable and for which the Contractor is responsible under Sections 10.2.1.2 and 10.2.1.3. The Contractor may make a Claim for the cost to remedy the damage or loss to the extent such damage or loss is attributable to acts or omissions of the Owner or Architect or anyone directly or indirectly employed by either of them, or by anyone for whose acts either of them may be liable, and not attributable to the fault or negligence of the Contractor. The foregoing obligations of the Contractor are in addition to the Contractor's obligations under Section 3.18.

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§ 10.3.2 Upon receipt of the Contractor's notice, the Owner shall obtain the services of a licensed laboratory to verify the presence or absence of the material or substance reported by the Contractor and, in the event such material or substance is found to be present, to cause it to be rendered harmless. Unless otherwise required by the Contract Documents, the Owner shall furnish in writing to the Contractor and Architect the names and qualifications of persons or entities who are to perform tests verifying the presence or absence of the material or substance or who are to perform the task of removal or safe containment of the material or substance. The Contractor and the Architect will promptly reply to the Owner in writing stating whether or not either has reasonable objection to the persons or entities proposed by the Owner. If either the Contractor or Architect has an objection to a person or entity proposed by the Owner, the Owner shall propose another to whom the Contractor and the Architect have no reasonable objection. When the material or substance has been rendered harmless, Work in the affected area shall resume upon written agreement of the Owner and Contractor. By Change Order, the Contract Time shall be extended appropriately and the Contract Sum shall be increased by the amount of the Contractor's reasonable additional costs of shutdown, delay, and ~~start-up.~~start-up, **except to the extent that any such delay is attributable to the Contractor's objection to the persons or entitles whom Owner shall have furnished to perform the task of removal of safe containment of such material or substance.**

~~**§ 10.3.3** To the fullest extent permitted by law, the Owner shall indemnify and hold harmless the Contractor, Subcontractors, Architect, Architect's consultants, and agents and employees of any of them from and against claims, damages, losses, and expenses, including but not limited to attorneys' fees, arising out of or resulting from performance of the Work in the affected area if in fact the material or substance presents the risk of bodily injury or death as described in Section 10.3.1 and has not been rendered harmless, provided that such claim, damage, loss, or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the Work itself), except to the extent that such damage, loss, or expense is due to the fault or negligence of the party seeking indemnity.~~

§ 10.3.4 The Owner shall not be responsible ~~under this Section 10.3 for hazardous materials or substances the Contractor brings to the site unless such materials or substances are required by the Contract Documents. The Owner shall be responsible for hazardous materials or substances required by the Contract Documents, except to the extent of the Contractor's fault or negligence in the use and handling of such materials or substances.~~**for materials or**

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substances brought to the site by the Contractor regardless of whether such materials or substances were required by the Contract Documents.

...

§ 10.3.6 If, without negligence **or wantonness** on the part of the Contractor, the Contractor is held liable by a government agency for the cost of remediation of a hazardous material or substance solely by reason of performing Work as required by the Contract Documents, the Owner ~~shall~~ **may** reimburse the Contractor for all **reasonable** cost and expense thereby incurred.

...

In an emergency affecting safety of persons or property, the Contractor shall act, at the Contractor's discretion, to prevent threatened damage, injury, or loss. Additional compensation or extension of time claimed by the Contractor on account of an emergency ~~shall~~ **may** be determined **only** as provided in Article 15 and Article 7.
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~~**§ 11.3 Waivers of Subrogation**~~
~~**§ 11.3.1** The Owner and Contractor waive all rights against (1) each other and any of their subcontractors, sub-subcontractors, agents, and employees, each of the other; (2) the Architect and Architect's consultants; and (3) Separate Contractors, if any, and any of their subcontractors, sub-subcontractors, agents, and employees, for damages caused by fire, or other causes of loss, to the extent those losses are covered by property insurance required by the Agreement or other property insurance applicable to the Project, except such rights as they have to proceeds of such insurance. The Owner or Contractor, as appropriate, shall require similar written waivers in favor of the individuals and entities identified above from the Architect, Architect's consultants, Separate Contractors, subcontractors, and sub-subcontractors. The policies of insurance purchased and maintained by each person or entity agreeing to waive claims pursuant to this section 11.3.1 shall not prohibit this waiver of subrogation. This waiver of subrogation shall be effective as to a person or entity (1) even though that person or entity would otherwise have a duty of indemnification, contractual or otherwise, (2) even though that person or entity did not pay the insurance premium directly or indirectly, or (3) whether or not the person or entity had an insurable interest in the damaged property.~~

~~**§ 11.3.2** If during the Project construction period the Owner insures properties, real or personal or both, at or adjacent to the site by property insurance under policies separate from those insuring the Project, or if after final payment property insurance is to be provided on the completed Project through a policy or policies other than those insuring the Project during the construction period, to the extent permissible by such policies, the Owner waives all rights in accordance with the terms of Section 11.3.1 for damages caused by fire or other causes of loss covered by this separate property insurance.~~

~~**§ 11.4 Loss of Use, Business Interruption, and Delay in Completion Insurance**~~
~~The Owner, at the Owner's option, may purchase and maintain insurance that will protect the Owner against loss of use of the Owner's property, or the inability to conduct normal operations, due to fire or other causes of loss. The Owner waives all rights of action against the Contractor and Architect for loss of use of the Owner's property, due to fire or other hazards however caused.~~

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~~**§11.5 Adjustment and Settlement of Insured Loss**~~

~~**§ 11.5.1** A loss insured under the property insurance required by the Agreement shall be adjusted by the Owner as fiduciary and made payable to the Owner as fiduciary for the insureds, as their interests may appear, subject to requirements of any applicable mortgagee clause and of Section 11.5.2. The Owner shall pay the Architect and Contractor their just shares of insurance proceeds received by the Owner, and by appropriate agreements the Architect and Contractor shall make payments to their consultants and Subcontractors in similar manner.~~

~~**§ 11.5.2** Prior to settlement of an insured loss, the Owner shall notify the Contractor of the terms of the proposed settlement as well as the proposed allocation of the insurance proceeds. The Contractor shall have 14 days from receipt of notice to object to the proposed settlement or allocation of the proceeds. If the Contractor does not object, the Owner shall settle the loss and the Contractor shall be bound by the settlement and allocation. Upon receipt, the Owner shall deposit the insurance proceeds in a separate account and make the appropriate distributions. Thereafter, if no other agreement is made or the Owner does not terminate the Contract for convenience, the Owner and Contractor shall execute a Change Order for reconstruction of the damaged or destroyed Work in the amount allocated for that purpose. If the Contractor timely objects to either the terms of the proposed settlement or the allocation of the proceeds, the Owner may proceed to settle the insured loss, and any dispute between the Owner and Contractor arising out of the settlement or allocation of the proceeds shall be resolved pursuant to Article 15. Pending resolution of any dispute, the Owner may issue a Construction Change Directive for the reconstruction of the damaged or destroyed Work.~~

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The Contract shall be governed by the law of ~~the place where the Project is located, excluding that jurisdiction's choice of law rules. If the parties have selected arbitration as the method of binding dispute resolution, the Federal Arbitration Act shall govern Section 15.4.~~**State of Alabama.**

...

§ 13.2.3 No assignment of the Contract shall be made without the written permission of Surety providing bonding and the City of Mobile.

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~~**§ 13.5 Interest**~~

~~Payments due and unpaid under the Contract Documents shall bear interest from the date payment is due at the rate the parties agree upon in writing or, in the absence thereof, at the legal rate prevailing from time to time at the place where the Project is located.~~

§ 13.4.7 Test, inspections or approvals made in addition to the Architects normal design and contract administration services caused by the Contractor shall be paid for by the Contractor. The normal service schedule is contained in Article 2.8.1 of AIA B102-2017 as amended by the Owner and is available to Contractor on request.

§ 13.4.8 The Contractor must call the Urban Development Department of the City of Mobile for their inspections and approval at the times required by the Urban Development Department, as well as notify the Architect, Consulting Engineer, and/or Test Laboratory, for inspection and approval of sub-grade conditions, under slab and footing conditions, vapor barrier placement, reinforcing steel placement, all structural connections, electrical, mechanical, etc. None of the above will be accepted that have been covered up before receiving approval of the Architect or his Consultant.

...

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§ 14.1.3 If one of the reasons described in Section 14.1.1 or 14.1.2 exists, the Contractor may, upon seven days' notice to the Owner and Architect, terminate the Contract and recover from the Owner payment for Work ~~executed, as well as reasonable overhead and profit on Work not executed, and costs incurred by reason of such termination.~~ **executed.**
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§ 14.3.2 The Contract Sum and Contract Time ~~shall~~ **may** be adjusted for increases in the cost and time caused by suspension, delay, or interruption under Section 14.3.1. Adjustment of the Contract Sum shall include profit. No adjustment shall be made to the extent
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§ 14.4.3 In case of such termination for the Owner's convenience, the Owner shall pay the Contractor for Work properly executed; costs incurred by reason ~~of the termination, including costs attributable to termination of Subcontracts; and the termination fee, if any, set forth in the Agreement.~~**termination.**

...

§ 15.1.3.1 Claims by either the Owner or Contractor, where the condition giving rise to the Claim is first discovered prior to expiration of the period for correction of the Work set forth in Section 12.2.2, shall be initiated ~~by notice to the other party and to the Initial Decision Maker with a copy sent to the Architect, if the Architect is not serving as the Initial Decision Maker. Claims by either party under this Section 15.1.3.1 shall be initiated~~ within 21 days after occurrence of the event giving rise to such Claim or within 21 days after the claimant ~~first recognizes~~ **acting with due diligence, reasonably should have first recognized** the condition giving rise to the Claim, whichever is later. **Claims must be initiated by written notice to the Architect and the other party.**

...

If the Contractor wishes to make a Claim for an increase in the Contract Sum, notice as provided in Section 15.1.3 shall be given before proceeding to execute the portion of the Work **giving rise to such claim.** that is the subject of the Claim. Prior notice is not required for Claims relating to an emergency endangering life or property arising under Section 10.4.
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§ 15.2.2 The ~~Initial Decision Maker~~ **Architect** will review Claims and within ten days of the receipt of a Claim take one or more of the following actions: (1) request additional supporting data from the claimant or a response with supporting data from the other party, (2) reject the Claim in whole or in part, (3) approve the Claim, (4) suggest a compromise, or (5) advise the parties that the Initial Decision Maker is unable to resolve the Claim if the Initial Decision Maker lacks sufficient information to evaluate the merits of the Claim or if the ~~Initial Decision Maker concludes that, in the Initial Decision Maker's sole discretion,~~ **Architect reasonably concludes that**, it would be inappropriate for the Initial Decision Maker to resolve the Claim.

...

§ 15.2.5 The Initial Decision Maker will render an initial decision approving or rejecting the Claim, or indicating that the Initial Decision Maker is unable to resolve the Claim. This initial decision shall (1) be in writing; (2) state the reasons ~~therefor;~~ **therefore**; and (3) notify the parties and the Architect, if the Architect is not serving as the Initial Decision Maker, of any change in the Contract Sum or Contract Time or both. The initial decision shall be final and binding on the parties ~~but subject to mediation and, if the parties fail to resolve their dispute through mediation, to binding dispute resolution.~~.

~~**§ 15.2.6** Either party may file for mediation of an initial decision at any time, subject to the terms of Section 15.2.6.1.~~

~~**§ 15.2.6.1** Either party may, within 30 days from the date of receipt of an initial decision, demand in writing that the other party file for mediation. If such a demand is made and the party receiving the demand fails to file for mediation~~

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~~within 30 days after receipt thereof, then both parties waive their rights to mediate or pursue binding dispute resolution proceedings with respect to the initial decision.~~

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§ 15.3.1 Claims, disputes, or other matters in controversy arising out of or related to the Contract, except those waived as provided for in Sections 9.10.4, 9.10.5, and 15.1.7, shall **not** be subject to mediation as a condition precedent to binding dispute resolution.

~~**§ 15.3.2** The parties shall endeavor to resolve their Claims by mediation which, unless the parties mutually agree otherwise, shall be administered by the American Arbitration Association in accordance with its Construction Industry Mediation Procedures in effect on the date of the Agreement. A request for mediation shall be made in writing, delivered to the other party to the Contract, and filed with the person or entity administering the mediation. The request may be made concurrently with the filing of binding dispute resolution proceedings but, in such event, mediation shall proceed in advance of binding dispute resolution proceedings, which shall be stayed pending mediation for a period of 60 days from the date of filing, unless stayed for a longer period by agreement of the parties or court order. If an arbitration is stayed pursuant to this Section 15.3.2, the parties may nonetheless proceed to the selection of the arbitrator(s) and agree upon a schedule for later proceedings.~~

~~**§ 15.3.3** Either party may, within 30 days from the date that mediation has been concluded without resolution of the dispute or 60 days after mediation has been demanded without resolution of the dispute, demand in writing that the other party file for binding dispute resolution. If such a demand is made and the party receiving the demand fails to file for binding dispute resolution within 60 days after receipt thereof, then both parties waive their rights to binding dispute resolution proceedings with respect to the initial decision.~~

~~**§ 15.3.4** The parties shall share the mediator's fee and any filing fees equally. The mediation shall be held in the place where the Project is located, unless another location is mutually agreed upon. Agreements reached in mediation shall be enforceable as settlement agreements in any court having jurisdiction thereof.~~

~~**§ 15.4 Arbitration**~~

~~**§ 15.4.1** If the parties have selected arbitration as the method for binding dispute resolution in the Agreement, any Claim subject to, but not resolved by, mediation shall be subject to arbitration which, unless the parties mutually agree otherwise, shall be administered by the American Arbitration Association in accordance with its Construction Industry Arbitration Rules in effect on the date of the Agreement. The Arbitration shall be conducted in the place where the Project is located, unless another location is mutually agreed upon. A demand for arbitration shall be made in writing, delivered to the other party to the Contract, and filed with the person or entity administering the arbitration. The party filing a notice of demand for arbitration must assert in the demand all Claims then known to that party on which arbitration is permitted to be demanded.~~

~~**§ 15.4.1.1** A demand for arbitration shall be made no earlier than concurrently with the filing of a request for mediation, but in no event shall it be made after the date when the institution of legal or equitable proceedings based on the Claim would be barred by the applicable statute of limitations. For statute of limitations purposes, receipt of a written demand for arbitration by the person or entity administering the arbitration shall constitute the institution of legal or equitable proceedings based on the Claim.~~

~~**§ 15.4.2** The award rendered by the arbitrator or arbitrators shall be final, and judgment may be entered upon it in accordance with applicable law in any court having jurisdiction thereof.~~

~~**§ 15.4.3** The foregoing agreement to arbitrate and other agreements to arbitrate with an additional person or entity duly consented to by parties to the Agreement, shall be specifically enforceable under applicable law in any court having jurisdiction thereof.~~

~~**§ 15.4.4 Consolidation or Joinder**~~

~~**§ 15.4.4.1** Subject to the rules of the American Arbitration Association or other applicable arbitration rules, either party may consolidate an arbitration conducted under this Agreement with any other arbitration to which it is a party provided that (1) the arbitration agreement governing the other arbitration permits consolidation, (2) the arbitrations to~~

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~~be consolidated substantially involve common questions of law or fact, and (3) the arbitrations employ materially similar procedural rules and methods for selecting arbitrator(s).~~

~~**§ 15.4.4.2** Subject to the rules of the American Arbitration Association or other applicable arbitration rules, either party may include by joinder persons or entities substantially involved in a common question of law or fact whose presence is required if complete relief is to be accorded in arbitration, provided that the party sought to be joined consents in writing to such joinder. Consent to arbitration involving an additional person or entity shall not constitute consent to arbitration of any claim, dispute or other matter in question not described in the written consent.~~

~~**§ 15.4.4.3** The Owner and Contractor grant to any person or entity made a party to an arbitration conducted under this Section 15.4, whether by joinder or consolidation, the same rights of joinder and consolidation as those of the Owner and Contractor under this Agreement.~~

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_____

(Signed)

_____

(Title)

_____

(Dated)

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SECTION 01010

SUMMARY OF THE WORK

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Summary of Work: Contract, contractor use of premises.

B. Contract Considerations: Contingency allowance, schedule of values, applications for payment, change procedures, alternates.

C. Coordination and Meetings: Coordination, field engineering, cutting and patching, meetings, progress meetings, examination, preparation.

D. Submittals: Submittal procedures, construction progress schedules, proposed products list, shop drawings, product data, samples, manufacturers' installation instructions, manufacturers' certificates.

E. Quality Control: Quality assurance - control of installation, Tolerances, References, Mock-ups, Manufacturers' field services and reports.

F. Construction Facilities and Temporary Controls: Electricity, temporary lighting for construction purposes, heat, temporary ventilation, telephone service, water service, temporary sanitary facilities, barriers and fencing, exterior enclosures, protection of installed work, security, access roads, parking, progress cleaning and waste removal, project identification, field offices and sheds, removal of utilities, facilities, and controls.

G. Material and Equipment: Products, transportation, handling, storage, and protection, products options, substitutions.

H. Contract Closeout: Contract closeout procedures, final cleaning, adjusting, project record documents, operation and maintenance data, spare parts and maintenance materials, warranties.

1.2 CONTRACT

A. Summary of Work:

- Contractor shall perform hydrostatic testing of main drains, skimmers, returns, and overflows; pressure test all plumbing lines (suction, return, backwash, feature lines); document pressure loss in PSI with clear pass/fail criteria; video record or photograph test setups for third-party review. All leak repairs shall be completed on a change order basis.
- The Contractor shall perform comprehensive maintenance and upgrades for all pool systems, with specific requirements for large adult pools. The Contractor shall conduct drain sump verification for all drains to ensure

compliance with the Virginia Graeme Baker Pool and Spa Safety Act (VGB) and provide complete VGB documentation, including manufacturer cut sheets, flow calculations, and installation verification. The Contractor shall supply batch numbers, installation dates, and warranty certificates for plaster, grout, thin-set, and bond coat materials. For all pools, the Contractor shall replace sand in filters. For large adult pools, the Contractor shall replace existing pumps with EQ series pumps (Pentair 7.5 HP) or similar upon approval prior to bidding, and replace filters with new units compatible pumps, ensuring optimal flow turnover rates (typically 6 hours or less) and filtration rates (e.g., 15-20 gpm/sq ft for sand filters) for energy efficiency. For all other pools, the Contractor shall ensure existing pumps and filters are operational, replacing them only as needed with EQ series pumps (Pentair 7.5 HP) or similar upon approval prior to bidding, and compatible filters to achieve compliant turnover and filtration rates. The Contractor shall install flow meters at locations required by the International Swimming Pool and Spa Safety Code (ISPSC). The Contractor shall verify all pool valves are correct and functional, replacing them as needed, and ensure adequate lighting and ventilation in pump rooms to meet applicable code requirements. The Contractor shall remove unused controls and Vacuum Release Systems (VRS) equipment. The Contractor shall label all electrical panels, starters, and switches with clear identification, as well as label all plumbing and valves with identification and flow direction. Finally, the Contractor shall install required signage and safety equipment per City, County, and State requirements.

- Contractor shall engage an independent, qualified third-party inspection firm approved by the City of Mobile. The inspection firm shall have demonstrated experience in commercial pool rehabilitation projects, be familiar with ISPSC and ANSI/APSP standards, and be independent from the Contractor's operational control. Contractor shall coordinate third-party inspections at the following required milestones and provide pass/fail reports to the Owner.
    - Leak Detection Observation: Contractor shall ensure the inspection firm verifies all initial leak detection testing conducted per the scope of work, documents pass/fail results for each pool, noting location and probable cause of leaks; and prepares photographic and written documentation for the inspection report. All noted deficiencies by the inspector and contractor shall be documented.
    - Pre-Demolition Inspection: Contractor shall ensure the inspection firm conducts a baseline condition survey, including photo documentation of pool shells, decks, coping, equipment, and associated systems. All noted deficiencies by the inspector and contractor shall be documented.
    - Pre-Plaster Inspection: Contractor shall ensure the inspection firm verifies surface profile preparation meets manufacturer recommendations; confirms application of bond coats per manufacturer specifications, including batch number documentation; inspect all tile work and step markings are in place

prior to plastering.
- Sump Test Verification: Contractor shall notify the inspection firm of completion with the Virginia Graeme Baker Pool & Spa Safety Act (VGB) for all main drains and sumps; documents sump depth, pipe diameter, cover installation, and flow characteristics to ensure compliance.
- Final Completion Inspection: The Contractor shall be responsible for performing a full operational systems test, including but not limited to water balance, circulation performance, and all safety systems; and for ensuring that all required signage, safety equipment, labeling, and compliance postings are properly installed. The inspection firm shall observe and verify that these systems, equipment, and postings are in place and function in accordance with applicable codes and project requirements.

- **John Kidd Park**
  - **Kiddie Pool:** A wading pool, featuring gradual slope entry with an ADA-compliant ramp for accessible access.
    - **Demolition & Preparation:** Contractor shall remove loose, cracked, or failing coping, tiles, and plaster; prepare surfaces to a sound substrate using diamond grinding tools.
    - **Coping & Deck Safety:** Contractor shall replace all coping posing trip hazards to meet compliance with ADA Sections 303.2 and 303.3, using bullnose coping (COF ≥ 0.6 wet).
    - **ADA Ramp & Grip Rails:** Contractor shall regrade ADA ramp to a maximum 1:12 slope, minimum 36" width, and cross-slope not exceeding 1:48; install ADA-compliant stainless steel handrails (Type 304/316). Contractor shall install grip rails meeting ADA height and clearance requirements (Type 304/316, 1.25–2 inch diameter, mounted 33–38 inches above deck).
    - **Deck Safety Markers:** Contractor shall replace/install slip-resistant deck depth markers (4" high numerals, color contrast per ISPSC).
    - **Tile Work:** Contractor shall replace waterline tiles with frost-proof, vitreous ceramic tiles; replace step tiles with high-contrast, slip-resistant tiles (COF ≥ 0.8 wet).
    - **Skimmers and Main Drain:** Contractor shall install skimmers and main drain to improve deck water management.
    - **VGB Compliance:** Contractor shall install VGB-certified drain covers; conduct sump test and document results.
    - **Jets & Returns:** Contractor shall replace jets and returns with NSF/ANSI 50-certified fittings; leak stop fittings are required.
    - **Plastering:** Contractor shall repair plaster above the waterline, patching cracks or voids with hydraulic cement

or epoxy fillers; replaster pool with marcite or quartz aggregate finish (3/8–1/2" thickness) per ANSI/APSP-10.

- **Adult Pool:** A rectangular shaped swimming pool equipped with lap lanes, swim lane tile markings.
  - **Demolition & Preparation:** Contractor shall remove and replace deteriorated coping, tiles, plaster, and fittings; prepare surfaces to a sound substrate.
  - **Coping & Deck Safety:** Contractor shall replace coping causing trip hazards; repair cracked coping joints.
  - **ADA Ramp & Grip Rails:** Contractor shall install ADA-compliant grip rails at entry/exit points, ensuring length matches depth per ADA 1009.3; reset/replace all rail anchors; polish/refurbish or replace grip rails.
  - **Deck Safety Markers:** Contractor shall install deck depth markers at all slope changes and depth points; install "NO DIVING" signage.
  - **Tile Work:** Contractor shall install new swim lane tiles per USA Swimming specifications; replace step tiles with high-contrast, slip-resistant tiles (COF ≥ 0.8 wet).
  - **Skimmers and Main Drain:** Contractor shall install skimmers and main drain.
  - **VGB Compliance:** Contractor shall install VGB-certified drain covers; provide documentation to City; conduct sump test and document results.
  - **Jets & Returns:** Contractor shall replace jets and returns with NSF/ANSI 50-certified fittings; leak stop fittings are required.
  - **Plastering:** Contractor shall re-plaster pool per ANSI/APSP-10 standards.
  - **Pump Room Equipment Upgrades:** Contractor shall remove old sand filter and replace with new sand filter to include manifolds, manifold supports, gauge differential panel, and auto relief valve; remove old pool pump and install new EQ series pool pump (Pentair or approved equal, 7.5 HP).

- **Figures Parks & Community Center**
  - **Lap Pool:** An L-shaped swimming pool, featuring lap lanes on one leg of the pool and a deeper section off to the side of the lanes.
    - **Demolition & Preparation:** Contractor shall remove and replace deteriorated coping, tiles, plaster, and fittings; prepare surfaces to a sound substrate.
    - **Coping & Deck Safety:** Contractor shall replace coping and repair deck trip hazards.
    - **ADA Ramp & Grip Rails:** Contractor shall replace grip rails and anchors with passivated stainless steel.
    - **Deck Safety Markers:** Contractor shall replace/install depth markers and "NO DIVING" signage.

- **Tile Work:** Contractor shall install new swim lane tiles per USA Swimming specifications; install high-contrast, slip-resistant step tiles (COF ≥ 0.8 wet).
- **Skimmers and Main Drain:** Contractor shall install skimmers and main drain.
- **VGB Compliance:** Contractor shall install VGB-compliant drain covers; conduct sump test and document results.
- **Jets & Returns:** Contractor shall replace jets, returns, and skimmer covers with NSF/ANSI 50-certified fittings; leak stop fittings are required.
- **Plastering:** Contractor shall replaster pool per ANSI/APSP-10 standards.
- **Pump Room Equipment Upgrades:** Contractor shall remove old sand filter and replace with new sand filter to include manifold, manifold supports, panel differential gauge, and auto air relief; remove old pool pump and install new EQ series pool pump (Pentair or approved equal, 7.5 HP); replace the auto fill.

- **Kiddie Pool**: A wading pool designed for young children, featuring gradual slope entry with an ADA-compliant ramp for accessible access.
  - **Preparation:** Pool cavities shall be demolished and backfilled per City of Mobile permit requirements. Demolish all coping and other components 6 inches below slab elevation. All plumbing shall be removed or capped. Pool cavity shall be filled gravel aggregate and compacted within the finished elevation.
  - **Concrete Placement:** Provide 3,000 psi compressive strength concrete in accordance with ACI 301 – Specifications for Structural Concrete. Minimum slab thickness: 6 inches. Place, vibrate, strike-off, and finish the concrete per ACI standards.
  - **Reinforcement:** Install 6x6 W2.9/W2.9 welded wire mesh (WWM) reinforcement throughout the slab area. Wire mesh shall be supported on chairs and positioned at slab mid-depth. Overlap laps by one full mesh square (minimum 6 inches).
  - **Joints:** Tooled control and Expansion joints shall be aligned with existing joints. Tooled control joints within 24 hours of placement. Install expansion joints at all abutting fixed pavements, using approved pre-molded filler. Joints shall be filled with concrete expansion joint grade sealants.
  - **Surface Finish:** Finish shall be similar to adjacent finishes. Edges shall be neatly tooled and aligned. Curing compounds shall be applied immediately after finishing or keep surface continuously moist for 7 days minimum.
  - **Documentation:** Contractor shall provide batch tickets verifying 3,000 psi mix design. Submit before-and-after photographs documenting placement.

- **Wade Pool:** A shallow wading pool with an ADA ramp, with gentle slopes and interactive water features.
  - **Demolition & Preparation:** Contractor shall remove deteriorated components; protect adjacent areas.
  - **Coping & Deck Safety:** Contractor shall replace coping and repair deck trip hazards.
  - **ADA Ramp & Grip Rails:** Contractor shall ensure ADA-compliant entry or install transfer systems/lifts.
  - **Deck Safety Markers:** Contractor shall replace depth markers and "NO DIVING" signage.
  - **Tile Work:** Contractor shall replace waterline and step tiles.
  - **Skimmers and Main Drain:** Contractor shall install skimmers and main drain.
  - **VGB Compliance:** Contractor shall install VGB-compliant drain covers; conduct sump test and document results.
  - **Jets & Returns:** Contractor shall replace jets, returns, and skimmer covers; leak stop fittings are required.
  - **Plastering:** Contractor shall replaster pool per ANSI/APSP-10.
  - **Pump Room Equipment Upgrades:** Contractor shall remove old sand filter and replace with new sand filter to include manifold, manifold supports, panel differential gauge, and auto air relief; remove old pool pump and install new EQ series pool pump (Pentair or approved equal, 7.5 HP); replace the auto fill.

- **Hillsdale Park & Community Center**
  - Adult Pool: A single pool with a zero-entry design with swim lanes on the deep end of the pool, incorporating spray features for recreational use.
    - **Demolition & Preparation:** Contractor shall remove loose, cracked, or failing coping, tiles, and plaster; prepare surfaces to a sound substrate using diamond grinding tools; protect spray feature mechanisms.
    - **Coping & Deck Safety:** Contractor shall re-caulk coping and point mortar at coping to repair joints and prevent water infiltration; re-pour deck sections around the pool deck as needed; repair trip hazards.
    - **ADA Ramp & Grip Rails:** Contractor shall regrade zero-entry ramp; install ADA-compliant handrails. Contractor shall install supplementary grip rails.
    - **Deck Safety Markers:** Contractor shall replace/install slip-resistant deck depth markers (4" high numerals, color contrast per ISPSC); install "NO DIVING" signage.
    - **Pump and Filtration System Upgrade:** Disconnect inground sand filter, including removal of old sand and associated piping. Install new commercial-grade sand filter

to include manifolds, manifold supports, auto air relief valve, and panel gauge differential, sized per pool design flow requirements. Remove old pool pump and install new EQ series pump (Pentair or approved equal, 7.5 HP). Remove old feature pump and automation system; install new feature pump to include manual valves. New manual valves to be installed above pit level to include new EQ series (Pentair or approved equal, 7.5 HP). Install auto fill system to maintain proper water levels. Reconfigure suction and return manifolds to accommodate the upgraded system. Modify CMU block wall adjacent to the storage room area only as necessary for pipe penetrations, anchoring, or system integration. Both existing pits shall be covered with industrial grating level with the finished floor. Contractor to verify or inspect sump pumps in both pits have flow control and in working order. Commission and balance new filtration system; provide updated operation and maintenance manuals.

- **Tile Work:** Contractor shall replace waterline tiles with frost-proof, vitreous ceramic tiles; replace step tiles with high-contrast, slip-resistant tiles (COF ≥ 0.8 wet); tile all areas of zero-entry ramps out of the water with mosaic tile for enhanced grip and aesthetics, extending into the water a minimum of 2 inches deep to ensure durability and seamless transition.
- **Skimmers and Main Drain:** Contractor shall install skimmers and main drain to improve deck water management.
- **VGB Compliance:** Contractor shall install VGB-certified drain covers; conduct sump test and document results.
- **Spray Features:** Contractor shall inspect and repair/replace spray feature components (nozzles, valves, piping) per NSF/ANSI 50; replace or rework spray pipes.
- **Zero Entry Trench:** Contractor shall install zero-entry trench.
- **Pumps and Filters:** Contractor shall test and inspect pumps and filters; replace or repair as needed.
- **Skimmers:** Contractor shall replace skimmers where deck repairs have been made.
- **Plastering:** Contractor shall replaster pool shell per ANSI/APSP-10 standards.

- **Joseph C. Dotch Community Center**
  - Adult Pool: A single pool with a zero-entry design with swim lanes on the deep end of the pool, incorporating spray features for recreational use.
    - **Demolition & Preparation:** Contractor shall remove loose, cracked, or failing coping, tiles, and plaster; prepare

surfaces to a sound substrate using diamond grinding tools; protect spray feature mechanisms.

- **Coping & Deck Safety:** Contractor shall re-caulk coping and point mortar at coping to repair joints and prevent water infiltration; re-pour deck sections around the pool deck as needed; repair trip hazards.
- **ADA Ramp & Grip Rails:** Contractor shall regrade zero-entry ramp; install ADA-compliant handrails. Contractor shall install supplementary grip rails.
- **Deck Safety Markers:** Contractor shall replace/install slip-resistant deck depth markers (4" high numerals, color contrast per ISPSC); install "NO DIVING" signage.
- **Pump and Filtration System Upgrade:** Disconnect inground sand filter, including removal of old sand and associated piping. Install new commercial-grade sand filter to include manifolds, manifold supports, auto air relief valve, and panel gauge differential, sized per pool design flow requirements. Remove old pool pump and install new EQ series pump (Pentair or approved equal, 7.5 HP). Remove old feature pump and automation system; install new feature pump to include manual valves. New manual valves to be installed above pit level to include new EQ series (Pentair or approved equal, 7.5 HP). Install auto fill system to maintain proper water levels. Reconfigure suction and return manifolds to accommodate the upgraded system. Modify CMU block wall adjacent to the storage room area only as necessary for pipe penetrations, anchoring, or system integration. Both existing pits shall be covered with industrial grating level with the finished floor. Contractor to verify or inspect sump pumps in both pits have flow control and in working order. Commission and balance new filtration system; provide updated operation and maintenance manuals.
- **Tile Work:** Contractor shall replace waterline tiles with frost-proof, vitreous ceramic tiles; replace step tiles with high-contrast, slip-resistant tiles (COF ≥ 0.8 wet); tile all areas of zero-entry ramps out of the water with mosaic tile for enhanced grip and aesthetics, extending into the water a minimum of 2 inches deep to ensure durability and seamless transition.
- **Skimmers and Main Drain:** Contractor shall install skimmers and main drain to improve deck water management.
- **VGB Compliance:** Contractor shall install VGB-certified drain covers; conduct sump test and document results.
- **Spray Features:** Contractor shall inspect and repair/replace spray feature components (nozzles, valves, piping) per NSF/ANSI 50; replace or rework spray pipes.

- **Zero Entry Trench:** Contractor shall install zero-entry trench.
- **Pumps and Filters:** Contractor shall test and inspect pumps and filters; replace or repair as needed.
- **Skimmers:** Contractor shall replace skimmers where deck repairs have been made.
- **Plastering:** Contractor shall replaster pool shell per ANSI/APSP-10 standards.

- Contractor shall perform hydrostatic testing of main drains, skimmers, returns, and overflows; pressure test all plumbing lines (suction, return, backwash, feature lines); document pressure loss in PSI with clear pass/fail criteria; video record or photograph test setups for third-party review. All leak repairs shall be completed on a change order basis.
- The Contractor shall perform comprehensive maintenance and upgrades for all pool systems, with specific requirements for large adult pools. The Contractor shall conduct drain sump verification for all drains to ensure compliance with the Virginia Graeme Baker Pool and Spa Safety Act (VGB) and provide complete VGB documentation, including manufacturer cut sheets, flow calculations, and installation verification. The Contractor shall supply batch numbers, installation dates, and warranty certificates for plaster, grout, thin-set, and bond coat materials. For all pools, the Contractor shall replace sand in filters. For large adult pools, the Contractor shall replace existing pumps with EQ series pumps (Pentair 7.5 HP) or similar upon approval prior to bidding, and replace filters with new units compatible pumps, ensuring optimal flow turnover rates (typically 6 hours or less) and filtration rates (e.g., 15-20 gpm/sq ft for sand filters) for energy efficiency. For all other pools, the Contractor shall ensure existing pumps and filters are operational, replacing them only as needed with EQ series pumps (Pentair 7.5 HP) or similar upon approval prior to bidding, and compatible filters to achieve compliant turnover and filtration rates. The Contractor shall install flow meters at locations required by the International Swimming Pool and Spa Safety Code (ISPSC). The Contractor shall verify all pool valves are correct and functional, replacing them as needed, and ensure adequate lighting and ventilation in pump rooms to meet applicable code requirements. The Contractor shall remove unused controls and Vacuum Release Systems (VRS) equipment. The Contractor shall label all electrical panels, starters, and switches with clear identification, as well as label all plumbing and valves with identification and flow direction. Finally, the Contractor shall install required signage and safety equipment per City, County, and State requirements.

B. Contract Description: Stipulated sum.

1.3 CONTRACTOR USE OF PREMISES

A. Limit use of premises to allow continued Owner occupancy. All facilities shall remain in use except the immediate work area for this project. Obey all Facility

Regulations and coordinate access and schedule of work with Project Manager.

1.4 CONTINGENCY ALLOWANCE

A. Include in the Contract the stipulated amount for use upon Owner's instruction.

B. Contractor's costs for products, delivery, installation, labor, insurance, payroll, taxes, bonding, equipment rental, overhead and profit are included in Change or Field Orders authorizing expenditure of funds from this Contingency Allowance.

1.5 SCHEDULE OF VALUES

A. Submit Schedule of Values on AIA Form G703 with the sign construction contract.

1.6 APPLICATIONS FOR PAYMENT

A. Submit two signed and notarized originals of each application on AIA Form G702 and AIA Form G703. Submit Lien Release Waivers, including from subcontractors and major suppliers, with each pay application.

B. Content and Format: Utilize Schedule of Values, AIA Form G703, for listing items in Application for Payment.

C. Payment Period: Monthly, except for final payment of retainage after all Close Out documents are submitted and approved.

1.7 CHANGE ORDER PROCEDURES

A. All contract changes involving a change in scope, payment and/or time shall be made by change order.

B. Stipulated Sum/Price Change Order: Based on Proposal Request and Contractor's fixed price quotation or Contractor's request for a Change Order as approved by Owner.

1.8 ALTERNATE BID ITEMS

A. Alternates quoted on Bid Form, if any, will be reviewed and accepted in the order listed.

B. Coordinate related Work and modify surrounding Work as required.

C. Schedule of Alternates: Listed on bid form, as applicable.

1.9 COORDINATION

A. Coordinate scheduling, submittals, and Work at the facility to ensure an efficient and orderly sequence and to facilitate the continued uninterrupted use of the Facility.

B. Request Utility interruptions at least 72 hours in advance. Note that due to scheduling in the facility, utility interruptions must be approved.

1.10 FIELD ENGINEERING

A. Establish elevations, lines, and levels and certify that elevations and locations of the Work conform to the Contract Documents. Verify existing conditions.

B. Contractor shall field verify all measurements and quantities required for a complete installation.

1.11 PRECONSTRUCTION MEETINGS

A. Owner will schedule a pre-construction meeting after contract award for all affected parties.

1.12 PROGRESS MEETINGS

A. Schedule and administer meetings throughout progress of the Work at pre-approved intervals.

B. Preside at meetings, record minutes, and distribute copies within two days to those affected by decisions made.

1.13 CONSTRUCTION PROGRESS SCHEDULES

A. Submit initial progress schedule in duplicate with signed construction contract for Project Manager's review.

B. Submit revised schedules with each Application for Payment, identifying changes since previous version. Indicate estimated percentage of completion for each item of Work at each submission.

1.14 SHOP DRAWINGS

A. Shop Drawings for Review: Submit to Project Manager/Engineer for review for the limited purpose of checking for conformance with information given and the design concept expressed in the Contract Documents.

B. Submit four copies for use by the owner plus the number of copies that Contractor requires. Electronic submittals may be acceptable with prior approval of the Project Manager and Engineer. Close Out documents shall include electronic and hard copies of all submittals.

1.15 QUALITY ASSURANCE - CONTROL OF INSTALLATION

A. Monitor quality control over suppliers, manufacturers, products, services, site conditions, and workmanship, to produce Work of specified quality.

B. Comply with manufacturers' written instructions.

C. Comply with specified standards as minimum quality for the Work except when more stringent tolerances, codes, or specified requirements indicate higher standards or more precise workmanship.

D. Supply certification from manufacturer that the installed Work meets or exceeds all manufacturers' requirements.

F. See Contractor Pre-Qualification Specification

1.16 EXAMINATION

A. Verify that existing site conditions and subsurfaces are acceptable for subsequent Work. Beginning new Work means acceptance of existing conditions.

B. Verify that utility services are available, of the correct characteristics, and in the correct location.

1.17 PREPARATION

A. Prepare surfaces prior to applying next material installation.

1.18 TOLERANCES

A. Monitor fabrication and installation tolerance control of installed Products over suppliers, manufacturers, Products, site conditions, and workmanship, to produce acceptable Work. Do not permit tolerances to accumulate. Comply fully with manufacturers' tolerances.

1.19 REFERENCES

A. Conform to reference standards by date of issue current as of date of Contract Documents.

B. Should specified reference standard conflict with Contract Documents, request clarification from Project Manager before proceeding.

1.20 ELECTRICITY

A. Unless otherwise provided for, Contractor shall be allowed to utilize power from the facility in moderate amounts.

B. Provide power outlets for construction operations, branch wiring, distribution boxes, and flexible power cords as required.

1.21 TEMPORARY LIGHTING FOR CONSTRUCTION PURPOSES

A. Provide and maintain temporary lighting for construction operations as may be required.

B. Provide branch wiring from power source to distribution boxes with lighting conductors, pigtails, and lamps as required.

1.22 WATER SERVICE

A. Owner shall provide suitable potable water in moderate quantities without cost to the Contractor.

1.23 TEMPORARY SANITARY FACILITIES

A. Contractor may use sanitary facilities located at the facility in lieu of contractor provided temporary facilities. Facilities will also continue to be used by the public and shall be maintained clean and in a sanitary condition.

1.24 BARRIERS AND FENCING

A. Provide barriers and fencing as needed to prevent unauthorized entry to construction areas and to protect existing facilities and adjacent properties from dust, debris and damage.

1.25 PROTECTION OF INSTALLED WORK

A. Protect installed Work and provide special protection where specified in individual specification sections. Prohibit traffic or storage upon grass or paving surfaces.

1.26 SECURITY

A. Provide security and facilities to protect Work and existing facilities from unauthorized entry, vandalism, or theft. Construction fencing and signage shall be required by the contractor to provide and install.

1.27 ACCESS ROADS & HAULING

A. Maintain temporary access routes through the public thoroughfare and parking areas to serve the construction area as required without obstructing traffic or blocking access for facility staff or participants. Provide drive pads as required.

B. Restore site to pre-construction condition. Fill ruts, replace broken or damaged amenities, sod disturbed areas.

1.28 PARKING

A. Arrange for temporary parking areas to accommodate construction personnel on site. Do not block traffic.

1.29 PROGRESS CLEANING AND WASTE REMOVAL

A. Collect and maintain work areas free of waste materials, debris, and rubbish on a daily basis. Maintain site in a clean and orderly condition. Provide refuse containers and dispose of construction debris legally off site. The Owner may request load tickets from landfills permitted to accept construction debris.

1.30 REMOVAL OF UTILITIES, FACILITIES, AND CONTROLS

A. Remove temporary utilities, equipment, facilities and materials, prior to Substantial Completion review.

B. Clean and repair damage caused by installation or use of temporary work.

C. Restore existing facilities used during construction to original condition. Restore permanent facilities used during construction to specified condition.

1.31 PRODUCTS

A. Products: Means new material, machinery, components, equipment, fixtures, and
systems forming the Work, but does not include machinery and equipment used for preparation, fabrication, conveying and erection of the Work.

1.32 TRANSPORTATION, HANDLING, STORAGE AND PROTECTION

A. Transport, handle, store, and protect Products in accordance with manufacturers' instructions.

1.33 PRODUCT OPTIONS

A. Products Specified by Naming One Manufacturer or equal: Products of manufacturer named approved as "Basis of Design". Equal alternate products to be approved by Owner as Substitutions. Submit product data as required in SUBSTITUTIONS.

1.34 SUBSTITUTIONS

A. Architect/Engineer will consider requests for Substitutions only within 10 days after date established in Notice to Proceed. For Pre-Bid approved Substitutions, submit request 7 calendar days or more before bid date with all back up data to show that all characteristics of the Basis of Design product are met with the substituted product or material.

B. Document each request with complete backup data substantiating compliance of proposed Substitution with all characteristics of the materials specified in the Contract Documents.

C. Submit three copies of request for Substitution for consideration. Limit each request to one proposed Substitution.

D. Substitution shall indicate all product properties and show that they are equal to that Specified.

E. Acceptance or Rejection of Pre-Bid Substitution Requests will be issued by Addendum.

1.35 FINAL CLEANING

A. Execute final cleaning prior to final inspection of work area. User may occupy portions of the work incrementally as the work is completed and accepted. Entire project to be ready for use by User once all areas of work are completed.

B. Clean debris from site and drainage systems.

C. Remove waste and surplus materials, rubbish, and construction facilities from the facility and the site. Leave site in raked and smooth condition.

1.36 PROJECT RECORD DOCUMENTS

A. Maintain on site one set of Contract Documents to be utilized only for record documents.

B. Record actual revisions to the Work. Record information concurrent with construction progress.

C. Specifications: Legibly mark and record at each Product section a description of actual Products installed.

D. Record Documents and Shop Drawings: Legibly mark each item to record actual construction.

E. Submit documents to Project Manager with claim for final Application for Payment.

F. Submit one paper copy and pdf copies to include:
   a. As built drawings and specifications
   b. Approved submittals
   c. Warrantees and guarantees
   d. Certificate of Occupancy or Letter of Completion from Permitting Department or other agencies, as applicable.

1.37 WARRANTIES

A. Product and Manufacturer's Warranties shall be provided per specifications.

B. In addition, all materials and labor shall be warranted for a minimum of one year after Substantial Completion of the entire project. Contractor to promptly repair all deficiencies within that time. A warranty inspection shall be scheduled by the Owner, with the Contractor and Owner's representative, before the end of the warranty period, in order to review the work and note deficiencies for the Contractor to correct. Said meeting may be waived if no deficiencies are noted.

PART 2 PRODUCTS
Not Used.

PART 3 EXECUTION
Not Used.

END OF SECTION

SECTION 01210
ALLOWANCES

PART 1GENERAL

1.1 RELATED DOCUMENTS

Drawings and general provisions of the Contract, including General Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Allowances will be utilized to:

1. Defer selection of certain items until more information is available.

2. Provide for discretionary installation of materials where exact and specific conditions cannot be determined in advance.

3. Provide for the discretionary use of labor where tasks and time frames cannot be determined in advance.

B. Include in Total Bid a stipulated lump sum allowance amount as specified in this Section.

1.3 ALLOWANCE

A. Include in the Total Base Quote a stipulated allowance(s) as indicated on the Quote Form for the use upon Owner's instruction. Upon Contractor inspection and Owner approval, any additional work that may be required, but not covered in the original Scope of Work (Base Scope Quote), shall be added to the scope and cost charged against the Contingency Allowance. Contractor's cost for products, delivery, installation labor, insurance, payroll, bonding, equipment rental and overhead and profit will be included in the Allowances. Contractor's markups on allowances are limited to 10% for subcontractor's work and 15% for his own forces.

B. Use of Contingency Allowance(s) shall be approved in writing by the Owner before any materials are ordered or work performed.

C. Upon completion of the Work, any unused portion of the Allowances shall be credited back to the City of Mobile in the form of a Change Order.

D. Contractor shall provide a detailed proposal of the work with overhead and profit broken out. Such proposals shall include proposals from subcontractors, also showing their detailed proposal with overhead and profit broken out.

1.4 SELECTION AND PURCHASE

A. Advise the Project Manager when final selection and purchase of allowance item must be complete to avoid delay.

1.5 SUBMITTALS

A. Request for Use of Allowance: Submit proposals for approval that detail and break out costs for contractors and subcontractor's markups.

B. After Use of Allowance: Submit invoices to show quantity delivered to the site for each allowance.

PART 2 PRODUCTS

Not used

PART 3 EXECUTION

3.1 INSPECTION

A. Promptly inspect all Allowance items upon delivery. Immediately report any shortage, damage, or defects to Project Manager.

3.2 PREPARATION

A. Coordinate materials and installation to assure that each item is integrated with related construction activities.

3.3 ALLOWANCE SCHEDULE

A. Include as a Contingency Allowance the lump sum amount of ten thousand and xx/100 Dollars ($10,000.00).
B. Include as a Third-Party Inspection Allowance the lump sum amount of two thousand five hundred and xx/100 Dollars ($2,500.00).
C. Include as a Plumbing Allowance the lump sum amount of two thousand five hundred and xx/100 Dollars ($5,000.00).
D. Include as an Electrical Allowance the lump sum amount of two thousand five hundred and xx/100 Dollars ($5,000.00).

END OF SECTION

SECTION 01220
UNIT PRICES

PART 1 GENERAL

1.1 RELATED DOCUMENTS

Drawings and general provisions of the Contract, including General Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:
   1. Measurement.
   2. Payment.

1.3 UNIT PRICES

A. Provide unit prices for items listed, for inclusion in Contract, guaranteed to apply for duration of Project as basis for additions to or deductions from Contract Sum.

B. Actual quantities and measurements supplied or placed in the Work will determine payment.

C. Payment includes full compensation for all required labor, Products, tools, equipment, services, and incidentals, and for erection, application, or installation of an item of the Work.

PART 2 PRODUCTS Not used

PART 3 EXECUTION

3.1 UNIT PRICE SCHEDULE

A. Concrete Deck Repair, including preparation and cool decking.
   1. Unit of measure: Per Square Foot.
   2. Basis of payment:
      a. Contract Sum to be based on quantities material provided and installed.
      b. Adjustments to Contract Sum will be made based on actual quantity of items provided to owner.

B. Pool Shell Repairs
   1. Unit of measure: Per Linear Foot.
   2. Basis of payment:
      a. Contract Sum to be based on quantities material provided and installed.
      b. Adjustments to Contract Sum will be made based on actual quantity of items provided to owner.

END OF SECTION

SECTION 01230

ALTERNATIVE BID ITEMS

PART 1 GENERAL

1.1 RELATED DOCUMENTS

Drawings and general provisions of the Contract, including General Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes
   1. Documentation of changes to Contract Sum and/or Contract Time.

B. Contract Documents contain pertinent requirements for materials and methods to accomplish work described herein.

C. Provide alternate costs for inclusion in Contract Sum if accepted by Owner.

1.3 RELATED REQUIREMENTS

A. Owner/Contractor Agreement: Alternates accepted by Owner for incorporation into the Work.

B. Individual specification sections identified.

1.4 PROCEDURES

A. Alternates will be exercised at the option of Owner.

B. Coordinate related work and modify surrounding work as required to complete the work, including changes under each Alternate, when acceptance is designated in Owner/Contractor Agreement.

1.5 DESCRIPTION OF ALTERNATES

A. Alternate #1: Pool Lighting Installation at John Kidd Park and Figures Park & Community Center: Contractor shall install energy-efficient LED pool lighting systems at Adult (Large) Pool compliant with NEC and ISPSC requirements. Lighting shall provide a minimum of 10 foot-candles at the water surface, with fixtures rated for wet environments (IP68 or equivalent) and corrosion-resistant materials suitable for coastal conditions

END OF SECTION

SECTION 01310
PROJECT MANAGEMENT AND COORDINATION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes administrative provisions for coordinating construction operations on Project including, but not limited to, the following:

1. General project coordination procedures.
2. Administrative and supervisory personnel.
3. Coordination drawings.
4. Requests for Information (RFIs).
5. Project meetings.

B. Each contractor shall participate in coordination requirements. Certain areas of responsibility are assigned to a specific contractor.

C. Related Sections:
1. Division 1 Section "Execution Requirements"
2. Division 1 Section "Project Record Documents" for coordinating closeout of the Contract.

1.3 DEFINITIONS

A. RFI: Request from Owner or Contractor seeking information from each other during construction.

1.4 COORDINATION

A. Contractor shall be responsible for coordinating all trades of his contract, Owners Contractors, coordinating construction sequences and schedules, and coordinating actual installed location and interface of work.

B. Contractor shall supervise and direct the development of coordination drawings showing comprehensive coordination and integration of all Work of this project including, but not limited to, structural, architectural mechanical, plumbing, fire protection, electrical disciplines, and Owners Contractors.

C. Coordination drawings are intended to assist Contractor and all trades during construction and may be used to supplement shop drawings, record drawings, and other required submittals.

D. Coordination: Each contractor shall supervise and direct construction operations with those of subcontractors and entities to ensure efficient and orderly installation of each part of the Work. Each contractor shall coordinate its operations with operations, included in different Sections that depend on each other for proper installation, connection, and operation.

1. Schedule construction operations in sequence required to obtain the best results where installation of one part of the Work depends on installation of other components, before or after its own installation.
2. Coordinate installation of different components with other contractors to ensure maximum performance and accessibility for required maintenance, service, and repair.
3. Make adequate provisions to accommodate items scheduled for later installation.

E. Prepare memoranda for distribution to each party involved, outlining special procedures required for coordination. Include such items as required notices, reports, and list of attendees at meetings.

1. Prepare similar memoranda for Owner and separate contractors if coordination of their Work is required.

F. Administrative Procedures: Coordinate scheduling and timing of required administrative procedures with other construction activities to avoid conflicts and to ensure orderly progress of the Work. Such administrative activities include, but are not limited to, the following:

1. Preparation of Contractor's construction schedule.
2. Preparation of the schedule of values.
3. Installation and removal of temporary facilities and controls.
4. Delivery and processing of submittals.
5. Progress meetings.
6. Preinstallation conferences.
7. Project closeout activities.
8. Startup and adjustment of systems.
9. Project closeout activities.

1.5 KEY PERSONNEL

A. Key Personnel Names: Within 5 days of Notice to Proceed, submit a list of key personnel assignments, including superintendent and other personnel in attendance at Project site. Identify individuals and their duties and responsibilities; list addresses and telephone numbers, including home, office, and cellular telephone numbers and email addresses. Provide names, addresses, and telephone numbers of individuals assigned as standbys in the absence of individuals assigned to Project.

1. Post copies of list at site. Keep list current at all times.

1.6 REQUESTS FOR INFORMATION (RFIs)

A. General: Immediately on discovery of the need for additional information or interpretation of the Contract Documents, Contractor shall prepare and submit an RFI in the form specified.

1. Architect will return RFIs submitted to Architect by other entities controlled by Contractor with no response.
2. Coordinate and submit RFIs in a prompt manner so as to avoid delays in Contractor's work or work of subcontractors.

1.7 PROJECT MEETINGS

A. General: Attendance of subcontractors and superintendent at a weekly progress meeting may be required.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01310

SECTION 01320

CONSTRUCTION PROGRESS DOCUMENTATION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes administrative and procedural requirements for documenting the progress of construction during performance of the Work, including the following:

1. Contractor's construction schedule.
2. Field condition reports.
3. Special reports.

1.3 INFORMATIONAL SUBMITTALS

A. Format for Submittals: Submit required submittals in the following format:

1. PDF electronic file.

B. Contractor's Construction Schedule: Initial schedule, of size required to display entire schedule for entire construction period.

C. Field Condition Reports: Submit at time of discovery of differing conditions.

D. Special Reports: Submit at time of unusual event.

E. Existing Condition Photos: Submit prior to onsite mobilization to record existing conditions. If, during construction, damage occurs by others, notify Project Manager right away.

PART 2 - PRODUCTS

2.1 CONTRACTOR'S CONSTRUCTION SCHEDULE, GENERAL

A. Time Frame: Extend schedule from date established for the Notice to Proceed to date of final completion.

B. Activities: Treat each story or separate area as a separate numbered activity for each principal element of the Work. Show the following:

1. Activity Duration
2. Procurement Activities: Include procurement process activities for long lead items and major items, requiring a cycle of more than 60 days, as separate activities in schedule. Procurement cycle activities include, but are not limited to, submittals, approvals, purchasing, fabrication, and delivery.
3. Submittal Review Time: Include review and resubmittal times indicated in Division 1 Section "Submittal Procedures" in schedule. Coordinate submittal review times in Contractor's construction schedule with submittal schedule.
4. Startup and Testing Time: Include not less than 15 days for startup and testing.
5. Substantial Completion: Indicate completion in advance of date established for Substantial Completion, and allow time for Architect's administrative procedures necessary for certification of Substantial Completion.

C. Constraints: Include constraints and work restrictions indicated in the Contract Documents and as follows in schedule, and show how the sequence of the Work is affected.

1. Phasing: Arrange list of activities on schedule by phase.
2. Work Restrictions: Show the effect of the following items on the schedule:

a. Coordination with existing construction.
b. Limitations of continued occupancies.
c. Uninterruptible services.
d. Partial occupancy before Substantial Completion.
e. Use of premises restrictions.
f. Provisions for future construction.
g. Seasonal variations.
h. Environmental control.

D. Milestones: Include milestones indicated in the Contract Documents in schedule, including, but not limited to, the Notice to Proceed, Substantial Completion, and final completion.

E. Upcoming Work Summary: Prepare summary report indicating activities scheduled to occur or commence prior to submittal of next schedule update. Summarize the following issues:

1. Unresolved issues.
2. Unanswered RFIs.
3. Rejected or unreturned submittals.
4. Notations on returned submittals.

2.2 START-UP CONSTRUCTION SCHEDULE

A. Preparation: Indicate each significant construction activity separately. Outline significant construction activities.

2.3 CONTRACTOR'S CONSTRUCTION SCHEDULE (CPM SCHEDULE)

A. Schedule Preparation: Prepare a list of all activities required to complete the Work. Using the start-up network diagram, prepare a skeleton network to identify probable critical paths.

1. Activities: Indicate the estimated time duration, sequence requirements, and relationship of each activity in relation to other activities. Include estimated time frames for the following activities:

    a. Preparation and processing of submittals.
    b. Mobilization and demobilization.
    c. Purchase of materials.
    d. Delivery.
    e. Fabrication.
    f. Utility interruptions.
    g. Installation.
    h. Work by Owner that may affect or be affected by Contractor's activities.
    i. Testing and commissioning.
    j. Punch list and final completion.
    k. Activities occurring following final completion.

2. Critical Path Activities: Identify critical path activities, including those for interim completion dates. Scheduled start and completion dates shall be consistent with Contract milestone dates.
3. Format: Mark the critical path. Locate the critical path near center of network; locate paths with most float near the edges.

B. Contract Modifications: For each proposed contract modification and concurrent with its submission, prepare a time-impact analysis demonstrate the effect of the proposed change on the overall project schedule.

C. Initial Issue of Schedule: Identify critical activities. Prepare tabulated reports showing the following:

1. Contractor or subcontractor and the Work or activity.
2. Description of activity.
3. Principal events of activity.
4. Immediate preceding and succeeding activities.
5. Start dates.
6. Finish dates.
7. Activity duration in workdays.

D. Schedule Updating: Submit at each weekly coordination meeting.

1. Identification of activities that have changed.
2. Changes start dates.
3. Changes finish dates.
4. Changes in activity durations in workdays.
5. Changes in the critical path.

6. Changes in the Contract Time.

Note: The Contractor may be allowed additional construction days due to inclement conditions ("rain days") only as such are appropriately documented and are in excess of the NOAA/National Weather Service average (previous 5 years) for the given month. A "rain day" is defined as more than a "trace" (0.10") of rain falling within a given 24 hour period. The Contractor shall provide documentation and formally request any "rain days" they feel are legitimately due. Documentation shall be submitted to the Project Manager, in writing, within ten (10) calendar days of the rain event.

2.4 REPORTS

A. Field Condition Reports: Immediately on discovery of a difference between field conditions and the Contract Documents, prepare and submit a detailed report. Submit with a Request for Information. Include a detailed description of the differing conditions, together with recommendations for changing the Contract Documents.

2.5 SPECIAL REPORTS

A. General: Submit special reports directly to Owner within one day of an occurrence. Distribute copies of report to parties affected by the occurrence.

B. Reporting Unusual Events: When an event of an unusual and significant nature occurs at Project site, whether or not related directly to the Work, prepare and submit a special report. List chain of events, persons participating, response by Contractor's personnel, evaluation of results or effects, and similar pertinent information. Advise Owner in advance when these events are known or predictable.

PART 3 - EXECUTION

Not Used

END OF SECTION

SECTION 01330
SUBMITTAL PROCEDURES

PART 1 GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contact, including General and Supplementary Conditions and Division 01 Specification Section, apply to this Section.

1.2 SUMMARY

A. Section Includes:
   1. Submittal Procedure
   2. Shop Drawings
   3. Product Data
   4. Samples

1.3 SUBMITTAL PROCEDURES

A. Number each submittal with Project Manual specification Section number and sequential number within each section. Number resubmittals with original number and an alphabetic suffix.

B. Identify Project, Contractor, Subcontractor or supplier, pertinent Drawing sheet and detail numbers, and specification Section number, as appropriate.

C. Submit all submittals simultaneously for each Produce or Specification Section. Where multiple Products function as an assembly, group submittals for all related Products into single submittal.

D. Project Manager will not review incomplete submittals.

E. Apply Contractor's stamp, signed or initialed certifying that:

   1. Submittal was reviewed.
   2. Products, field dimensions, and adjacent construction have been verified.
   3. Information has been coordinated with requirements for Work and Contract Documents.

F. Schedule submittals to expedite the Project, and deliver to Project Manager. Coordinate submittal of related items.

G. For each submittal, allow 10 days for Project Manager's review, excluding delivery time to and from Contractor. Identify variations from Contract Documents and Product or system limitations that may be detrimental to successful performance of completed Work.

H. Revise and resubmit submittals when required; identify all changes made since

previous submittals.

I. Distribute copies of reviewed submittals to concerned parties and to Project Record Documents file. Instruct parties to promptly report any inability to comply with provisions.

1.4 SHOP DRAWINGS

A. Present information in clear and thorough manner.

B. Identify details by reference to sheet and detail numbers or areas shown on Drawings.

C. Reproductions of details contained in Contract Documents are not acceptable.

D. Submit one (1) PDF copy. One PDF copy will be returned to Contractor for printing and distribution.

1.5 PRODUCT DATA

A. Mark copy to identify applicable products, models, options, and other data.

B. Supplement manufacturers' standard data to provide information unique to this Project.

A. Project Manager will return to Contractor for printing and distribution.

1.6 SAMPLES

A. Submit samples to illustrate functional and aesthetic characteristics of Products, with integral parts and attachment of devices. Coordinate sample submittals for interfacing work.

B. Where so indicated, submit samples of finishes from the full range of manufacturers' standard colors, textures, and patterns for Project Manager's selection.

C. Include identification for each sample, with full Project information.

D. Project Manager will notify Contractor of approval or rejection of samples, or of selection of color, texture or pattern if full range is submitted.

END OF SECTION

SECTION 01400
PRE-BID QUALIFICATIONS & CONSTRUCTION QUALITY REQUIREMENTS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes administrative and procedural requirements for general contractor/installer **pre-bid qualifications**.

B. Testing and inspecting services are required to verify compliance with requirements specified or indicated.

C. The City of Mobile is unable to issue payment or deposits on materials that are not on the project site, or in the City of Mobile stored in a climate controlled, bonded warehouse where a City representative can verify their presence and proper storage. Please refer to Construction Contract and General Conditions for more detail on payment procedures.

D. Contractor's Quality Control Plan

1. Specific quality assurance, control and schedule requirements for individual construction activities are specified in the Sections that specify those activities. Requirements in those Sections may also cover production of standard products.

E. Related Sections:
1. Division 1 Section "Construction Progress Documentation" for developing a schedule of required tests, inspections, submittals, orders, and installation.
2. Section 09681 Carpet Tile for specific test and inspection requirements.

1.3 PRE-BID QUALIFICATIONS

A. Due to the extremely critical installation schedule, General Contractor and Installer qualifications will be examined prior to the bid. The intent is to pre-qualify general contractors and installers with a proven, successful record of installations of similar size, and similar installation time in occupied buildings. Companies without proven records of success will not be approved for work on this project. Companies who have not with met quality requirements and/or construction schedule during other City of Mobile projects will also not be approved for work on this project.

B. Submittals indicating proven record of success shall include:
   1. Demonstrate a minimum of 5 years of experience in commercial or public pool renovations, including gunite/shell repairs and hydraulic systems.
   2. Statement indicating how the company will staff and manage this project. Indicate after hours' work, additional employees, or any other information that would support the case that the general contractor and installer will be able to comply with requirements within the stated timeframe.
   3. By submitting qualification information, the general contractor and/or installer affirm that they are able to provide the materials needed for this project under the payment terms of the contract.
   4. Submit statement that installer is approved by the manufacturer to install the provided products.
   5. Employ at least one National Swimming Pool Foundation (NSPF), Certified Pool Operator (CPO) or Aquatic Facility Operator (AFO) for project oversight.
   6. Provide documentation of at least 3 projects of similar size (over 5,000SF), scope, and timeframe performed for other entities and that support the assertion of successful performance within the last 3 years.
      a. Include project name, year completed, and contact names and numbers for reference.
      b. Indicate size of installation, scope, and installation time of each project listed.

C. **Submit Installer qualifications by 3pm local time Monday, January 5, 2026,** to Roger Washington, Project Manager, at roger.wasington@cityofmobile.gov. **An adendum will be issued by Tuesday, January 6, 2026, listing approved installers.**

1.4 CONTRACTOR'S QUALITY-CONTROL PLAN FOR CONSTRUCTION

A. Quality-Control Plan, General: Submit quality-control plan and schedule within 2 days of Notice to Proceed. Submit in format acceptable to Owner. Identify personnel, procedures, controls, instructions, tests, records, schedule and forms to be used to carry out Contractor's quality-assurance and quality-control responsibilities.

B. Submittal Procedure: Describe procedures for ensuring compliance with requirements through review and management of submittal process.

C. Testing and Inspection: Include in the quality-control plan a comprehensive schedule of Work requiring testing and inspection.

D. Continuous Inspection of Workmanship: Describe process for continuous inspection during construction to identify and correct deficiencies in workmanship in addition to testing and inspection specified. Indicate types of corrective actions to be required to bring work into compliance with standards of workmanship established by Contract requirements and approved mockups.

1.5 REPORTS AND DOCUMENTS

A. Test and Inspection Reports: Prepare and submit certified written reports specified in this and other Sections. Include the following:

1. Date of issue.
2. Project title and number.
3. Name, address, and telephone number of testing agency.
4. Dates and locations of samples and tests or inspections.
5. Names of individuals making tests and inspections.
6. Description of the Work and test and inspection method.
7. Identification of product and Specification Section.
8. Complete test or inspection data.
9. Test and inspection results and an interpretation of test results.
10. Record of temperature and weather conditions at time of sample taking and testing and inspecting.
11. Comments or professional opinion on whether tested or inspected Work complies with the Contract Document requirements.
12. Name and signature of laboratory inspector, manufacturer's technical representative, and/or factory authorized representative.
13. Recommendations on retesting and re-inspecting.

1.6 QUALITY ASSURANCE

A. General: Qualifications paragraphs in this article establish the minimum qualification levels required; individual Specification Sections specify additional requirements.

B. Manufacturer Qualifications: A firm experienced in manufacturing products or systems similar to those indicated for this Project and with a record of successful in-service performance, as well as sufficient production capacity to produce required units.

C. Manufacturer's Technical Representative Qualifications: An authorized representative of manufacturer who is trained and approved by manufacturer to observe and inspect installation of manufacturer's products that are similar in material, design, and extent to those indicated for this Project.

D. Preconstruction Testing: See also Section 09681 for more information on tests required below.

1. Contractor responsibilities include the following:

a. Coordinate with third-party inspection firm(s) at all required milestones.

b. Ensure proper documentation for VGB compliance, including manufacturer specifications, installation records, sump tests, and batch numbers for all applicable products.

c. Conduct initial leak detection testing per ISPSC standards for all pools prior to demolition and repair work, documenting all results for City and third-party review.

d. Provide batch numbers and warranty documentation for all plaster, grout, thin-set, and bond coat materials used, including but not limited to filters and pumps.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01400

SECTION 01635
SUBSTITUTION PROCEDURES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes administrative and procedural requirements for substitutions.

B. Related Sections:
   1. Divisions 2 through 16 Sections for specific requirements and limitations for substitutions and pre-bid approvals.

1.3 DEFINITIONS

A. Substitutions: Changes in products, materials, equipment, and methods of construction from those required by the Contract Documents and proposed by Contractor.

   1. Substitutions for Cause: Changes proposed by Contractor that are required due to changed Project conditions, such as unavailability of product, regulatory changes, or unavailability of required warranty terms.
   2. Substitutions for Convenience: Changes proposed by Contractor or Owner that are not required to meet other Project requirements but may offer advantage to Contractor or Owner.

1.4 SUBMITTALS

A. Substitution Requests: Submit three copies of each request for consideration. Identify product or fabrication or installation method to be replaced.

   1. Documentation: Show compliance with requirements for substitutions and the following, as applicable:

      a. Statement indicating why specified products, fabrication or installation cannot be provided, if applicable.
      b. Coordination information, including a list of changes or modifications needed to other parts of the Work and to construction performed by Owner

and separate contractors that will be necessary to accommodate proposed substitution.

c. Product Data, including drawings and descriptions of products and fabrication and installation procedures.
d. 6"x12" Samples of each finish material in proposed pattern and color.
e. Certificates and qualification data.
f. Material test reports from a qualified testing agency indicating and interpreting test results for compliance with requirements indicated.
g. Cost information, including a proposal of change, if any, in the Contract Sum (not applicable for pre-bid Submittals).
h. Impact of substitution on construction schedule.
i. Contractor's certification that proposed substitution complies with requirements in the Contract Documents except as indicated in substitution request, is compatible with related materials, and is appropriate for applications indicated.
j. Contractor's waiver of rights to additional payment or time that may subsequently become necessary because of failure of proposed substitution to produce indicated results.

2. Project Manager's Action: If necessary, Project Manager will request additional information or documentation for evaluation within seven days of receipt of a request for substitution. Project Manager will notify Contractor of acceptance or rejection of proposed substitution within 15 days of receipt of request, or seven days of receipt of additional information or documentation, whichever is later.

a. Forms of Acceptance: Change Order, Construction Change Directive, or Project Manager Supplemental Instructions for minor changes in the Work.
b. Use product specified if Project Manager does not issue a decision on use of a proposed substitution within time allocated.

1.5 QUALITY ASSURANCE

A. Compatibility of Substitutions: Investigate and document compatibility of proposed substitution with related products and materials. Engage qualified testing agency to perform compatibility tests recommended by manufacturers.

1.6 PROCEDURES

A. Coordination: Modify or adjust affected work as necessary to integrate work of the approved substitutions.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION

SECTION 01700
EXECUTION REQUIREMENTS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes general administrative and procedural requirements governing execution of the Work including, but not limited to, the following:

1. Environmental concerns.
2. Installation of the Work.
3. Cutting and patching.
4. Progress cleaning.
5. Starting and adjusting.
6. Protection of installed construction.
7. Correction of the Work.

B. Related Sections:
1. Division 1 Sections "Summary of the Work", "Project Record Documents", or "Closeout Procedures", if included in Project Manual, for submitting closeout documents and final cleaning.

1.3 DEFINITIONS

A. Cutting: Removal of in-place construction necessary to permit installation or performance of other work.

B. Patching: Fitting and repair work required to restore construction to original conditions after installation of other work.

1.4 INFORMATIONAL SUBMITTALS

A. Cutting and Patching Plan: Submit plan describing procedures at least 10 days prior to the time cutting and patching will be performed. Include the following information:

1. Extent: Describe reason for and extent of each occurrence of cutting and patching.
2. Changes to In-Place Construction: Describe anticipated results. Include changes to structural elements and operating components as well as changes in building appearance and other significant visual elements.

3. Products: List products to be used for patching and firms or entities that will perform patching work.
4. Dates: Indicate when cutting and patching will be performed.
5. Utilities and Mechanical and Electrical Systems: List services and systems that cutting and patching procedures will disturb or affect. List services and systems that will be relocated and those that will be temporarily out of service. Indicate how long services and systems will be disrupted. Prior approval of Utility outages is required. Notify Owner of intent at least 72 hours in advance.

1.5 QUALITY ASSURANCE

A. Cutting and Patching: Comply with requirements for and limitations on cutting and patching of construction elements.

PART 2 - PRODUCTS

2.1 MATERIALS

A. General: Comply with requirements specified in other Sections.

B. In-Place Materials: Use materials for patching identical to in-place materials. For exposed surfaces, use materials that visually match in-place adjacent surfaces to the fullest extent possible.

1. If identical materials are unavailable or cannot be used, use materials that, when installed, will provide a match acceptable to the Architect for the visual and functional performance of in-place materials.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Existing Conditions: The existence and location of underground and other utilities and construction indicated as existing are not guaranteed. Before beginning work, investigate and verify the existence and location of underground utilities, mechanical and electrical systems, and other construction affecting the Work.

1. Before construction, verify the location and invert elevation at points of connection of sanitary sewer, storm sewer, and water-service piping; underground electrical services, and other utilities.
2. Furnish location data for work related to Project that must be performed by public utilities serving Project site.

B. Examination and Acceptance of Conditions: Before proceeding with each component of the Work, examine substrates, areas, and conditions, with Installer or Applicator present

where indicated, for compliance with requirements for installation tolerances and other conditions affecting performance. Record observations.

1. Written Report: Where a written report listing conditions detrimental to performance of the Work is required by other Sections, include the following:

    a. Description of the Work.
    b. List of detrimental conditions, including substrates.
    c. List of unacceptable installation tolerances.
    d. Recommended corrections.

2. Verify compatibility with and suitability of substrates, including compatibility with existing finishes or primers.
3. Examine roughing-in for mechanical and electrical systems to verify actual locations of connections before equipment and fixture installation.
4. Examine walls and floors for suitable conditions where products and systems are to be installed.
5. Proceed with installation only after unsatisfactory conditions have been corrected. Proceeding with the Work indicates acceptance of surfaces and conditions.

3.2 PREPARATION

A. Field Measurements: Take field measurements as required to fit the Work properly. Recheck measurements before installing each product. Where portions of the Work are indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication. Coordinate fabrication schedule with construction progress to avoid delaying the Work.

B. Space Requirements: Verify space requirements and dimensions of items shown diagrammatically on Drawings.

C. Review of Contract Documents and Field Conditions: Immediately on discovery of the need for clarification of the Contract Documents caused by differing field conditions outside the control of the Contractor, submit a request for information to Owner according to requirements in Division 1 Section "Project Management and Coordination."

D. Surface and Substrate Preparation: Comply with manufacturer's recommendations for preparation of substrates to receive subsequent work.

3.3 INSTALLATION

A. General: Locate the Work and components of the Work accurately, in correct alignment and elevation, as indicated.

1. Make vertical work plumb and make horizontal work level.
2. Where space is limited, install components to maximize space available for maintenance and ease of removal for replacement.
3. Conceal pipes, ducts, and wiring in finished areas, unless otherwise indicated.

4. Maintain minimum headroom clearance of 96 inches, but in no case shall the new piping be lower than the existing piping.

B. Comply with manufacturer's written instructions and recommendations for installing products in applications indicated.

C. Install products at the time and under conditions that will ensure the best possible results. Maintain conditions required for product performance until Substantial Completion.

D. Conduct construction operations so no part of the Work is subjected to damaging operations or loading in excess of that expected during normal conditions of occupancy.

E. Tools and Equipment: Do not use tools or equipment that produce harmful noise levels.

F. Templates: Obtain and distribute to the parties involved templates for work specified to be factory prepared and field installed. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing products to comply with indicated requirements.

G. Attachment: Provide blocking and attachment plates and anchors and fasteners of adequate size and number to securely anchor each component in place, accurately located and aligned with other portions of the Work. Where size and type of attachments are not indicated, verify size and type required for load conditions.

1. Mounting Heights: Where mounting heights are not indicated, mount components at heights directed by Architect.
2. Allow for facility movement, including thermal expansion and contraction.
3. Coordinate installation of anchorages. Furnish setting drawings, templates, and directions for installing anchorages, including sleeves, concrete inserts, anchor bolts, and items with integral anchors, that are to be embedded in concrete or masonry. Deliver such items to Project site in time for installation.

H. Joints: Make joints of uniform width. Where joint locations in exposed work are not indicated, arrange joints for the best visual effect. Fit exposed connections together to form hairline joints.

I. Hazardous Materials: Use products, cleaners, and installation materials that are not considered hazardous, and meet environmental requirements.

3.4 CUTTING AND PATCHING

A. Cutting and Patching, General: Employ skilled workers to perform cutting and patching. Proceed with cutting and patching at the earliest feasible time, and complete without delay.

1. Cut in-place construction to provide for installation of other components or performance of other construction, and subsequently patch as required to restore surfaces to their original condition.

B. Temporary Support: Provide temporary support of work to be cut.

C. Protection: Protect in-place construction during cutting and patching to prevent damage. Provide protection from adverse weather conditions for portions of Project that might be exposed during cutting and patching operations.

D. Adjacent Occupied Areas: Where interference with use of adjoining areas or interruption of free passage to adjoining areas is unavoidable, coordinate cutting and patching in accordance with requirements of Division 1 Section "Summary."

E. Existing Utility Services and Mechanical/Electrical Systems: Where existing services/systems are required to be removed, relocated, or abandoned, bypass such services/systems before cutting to prevent interruption to occupied areas.

F. Cutting: Cut in-place construction by sawing, drilling, breaking, chipping, grinding, and similar operations, including excavation, using methods least likely to damage elements retained or adjoining construction. If possible, review proposed procedures with original Installer; comply with original Installer's written recommendations.

1. In general, use hand or small power tools designed for sawing and grinding, not hammering and chopping. Cut holes and slots neatly to minimum size required, and with minimum disturbance of adjacent surfaces. Temporarily cover openings when not in use.
2. Finished Surfaces: Cut or drill from the exposed or finished side into concealed surfaces.
3. [Concrete] [and] [Masonry]: Cut using a cutting machine, such as an abrasive saw or a diamond-core drill.
4. Mechanical and Electrical Services: Cut off pipe or conduit in walls or partitions to be removed. Cap, valve, or plug and seal remaining portion of pipe or conduit to prevent entrance of moisture or other foreign matter after cutting.
5. Proceed with patching after construction operations requiring cutting are complete.

G. Patching: Patch construction by filling, repairing, refinishing, closing up, and similar operations following performance of other work. Patch with durable seams that are as invisible as practicable. Provide materials and comply with installation requirements specified in other Sections, where applicable.

1. Inspection: Where feasible, test and inspect patched areas after completion to demonstrate physical integrity of installation.
2. Exposed Finishes: Restore exposed finishes of patched areas and extend finish restoration into retained adjoining construction in a manner that will minimize evidence of patching and refinishing.

    a. Clean piping, conduit, and similar features before applying paint or other finishing materials.
    b. Restore damaged pipe covering to its original condition.

H. Cleaning: Clean areas and spaces where cutting and patching are performed. Remove paint, mortar, oils, putty, and similar materials from adjacent finished surfaces.

3.5 PROGRESS CLEANING

A. General: Clean Project site and work areas daily, including common areas. Enforce requirements strictly. Dispose of materials lawfully.

1. Comply with requirements in NFPA 241 for removal of combustible waste materials and debris.
2. Do not hold waste materials more than seven days during normal weather or three days if the temperature is expected to rise above 80 deg F (27 deg C).
3. Containerize hazardous and unsanitary waste materials separately from other waste. Mark containers appropriately and dispose of legally, according to regulations.

    a. Utilize containers intended for holding waste materials of type to be stored.

4. Coordinate progress cleaning for joint-use areas where more than one installer has worked.

B. Site: Maintain Project site free of waste materials and debris.

C. Work Areas: Clean areas where work is in progress to the level of cleanliness necessary for proper execution of the Work.

1. Remove liquid spills promptly.
2. Where dust would impair proper execution of the Work, broom-clean or vacuum the entire work area, as appropriate.

D. Installed Work: Keep installed work clean. Clean installed surfaces according to written instructions of manufacturer or fabricator of product installed, using only cleaning materials specifically recommended. If specific cleaning materials are not recommended, use cleaning materials that are not hazardous to health or property and that will not damage exposed surfaces.

E. Exposed Surfaces in Finished Areas: Clean exposed surfaces and protect as necessary to ensure freedom from damage and deterioration at time of Substantial Completion.

F. Waste Disposal: Do not bury or burn waste materials on-site. Do not wash waste materials down sewers or into waterways.

G. During handling and installation, clean and protect construction in progress and adjoining materials already in place. Apply protective covering where required to ensure protection from damage or deterioration at Substantial Completion.

H. Clean completed construction as frequently as necessary through the remainder of the construction period.

3.6 STARTING AND ADJUSTING

A. Coordinate startup and adjusting of equipment and operating components with requirements in other Division 2 -16 Sections."

B. Start equipment and operating components to confirm proper operation. Remove malfunctioning units, replace with new units, and retest.

C. Adjust equipment for proper operation. Adjust operating components for proper operation without binding.

D. Test each piece of equipment to verify proper operation. Test and adjust controls and safeties. Replace damaged and malfunctioning controls and equipment.

E. Manufacturer's Field Service: Comply with qualification requirements in other Division 2-16 Sections.

3.7 PROTECTION OF INSTALLED CONSTRUCTION

A. Provide final protection and maintain conditions that ensure installed Work is without damage or deterioration at time of Substantial Completion.

B. Comply with manufacturer's written instructions for temperature and relative humidity.

3.8 CORRECTION OF THE WORK

A. Repair or remove and replace defective construction. Restore damaged substrates and finishes.

1. Repairing includes replacing defective parts, refinishing damaged surfaces, touching up with matching materials, and properly adjusting operating equipment.

B. Restore permanent facilities used during construction to their specified condition.

C. Remove and replace damaged surfaces that are exposed to view if surfaces cannot be repaired without visible evidence of repair.

D. Repair components that do not operate properly. Remove and replace operating components that cannot be repaired.

E. Remove and replace chipped, scratched, and broken glass or reflective surfaces.

3.9 ENVIRONMENTAL CONCERNS

1. Provide protection and conduct construction in ways that comply with environmental regulations and that minimize possible air, waterway, and subsoil contamination or pollution or other undesirable effects.

3.10 STORMWATER CONTROL AND DISCHARGE

1. Comply with City of Mobile and Alabama Department of Environmental Management requirements. Pay particular attention to Water Regulations and Allowable Discharges.

2. See City of Mobile Code, Chapter 17, Storm Water Management and Flood Control.

3. Obtain any necessary permits that may be required due to discharges.

END OF SECTION 01700

SECTION 01710
CLOSEOUT PROCEDURES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes administrative and procedural requirements for contract closeout, including, but not limited to, the following:

1. Substantial Completion procedures.
2. Final completion procedures.
3. Warranties.
4. Final cleaning.
5. Repair of the Work.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of cleaning agent.

B. Contractor's List of Incomplete Items: Initial submittal at Substantial Completion.

C. Certified List of Incomplete Items: Final submittal at final completion.

1.4 CLOSEOUT SUBMITTALS

A. Certificates of Release: From authorities having jurisdiction.

B. Certificate of Insurance: For continuing coverage.

1.5 MAINTENANCE MATERIAL SUBMITTALS

A. Schedule of Maintenance Material Items: For maintenance material submittal items specified in other Sections.

1.6 SUBSTANTIAL COMPLETION PROCEDURES

A. Contractor's List of Incomplete Items: Prepare and submit a list of items to be completed and corrected (Contractor's punch list), indicating the total value of work to be completed.

B. Submittals Prior to Substantial Completion: Complete the following a minimum of 10 days prior to requesting inspection for determining date of Substantial Completion. List items below that are incomplete at time of request.

1. Certificates of Release: Obtain and submit releases from authorities having jurisdiction permitting Owner unrestricted use of the Work and access to services and utilities. Include occupancy permits, operating certificates, and similar releases.
2. Submit closeout submittals specified in other Division 01 Sections, including project record documents, operation and maintenance manuals, damage or settlement surveys, property surveys, and similar final record information.
3. Submit closeout submittals specified in individual Sections, including specific warranties, workmanship bonds, maintenance service agreements, final certifications, and similar documents.
4. Submit maintenance material submittals specified in individual Sections, including tools, spare parts, extra materials, and similar items, and deliver to location designated by Architect. Label with manufacturer's name and model number.

    a. Schedule of Maintenance Material Items: Prepare and submit schedule of maintenance material submittal items, including name and quantity of each item and name and number of related Specification Section. Obtain Architect's signature for receipt of submittals.

5. Submit testing, adjusting, and balancing records.
6. Submit changeover information related to Owner's occupancy, use, operation, and maintenance.

C. Procedures Prior to Substantial Completion: Complete the following a minimum of 10 days prior to requesting inspection for determining date of Substantial Completion. List items below that are incomplete at time of request.

1. Advise Owner of pending insurance changeover requirements.
2. Make final changeover of permanent locks and deliver keys to Owner. Advise Owner's personnel of changeover in security provisions.
3. Complete startup and testing of systems and equipment.
4. Perform preventive maintenance on equipment used prior to Substantial Completion.
5. Instruct Owner's personnel in operation, adjustment, and maintenance of products, equipment, and systems.
6. Advise Owner of changeover in utility services.
7. Terminate and remove temporary facilities from Project site, along with mockups, construction tools, and similar elements.
8. Complete final cleaning requirements.

9. Touch up paint and otherwise repair and restore marred exposed finishes to eliminate visual defects.

D. Inspection: Submit a written request for inspection to determine Substantial Completion a minimum of 10 days prior to date the Work will be completed and ready for final inspection and tests. On receipt of request, Owner will either proceed with inspection or notify Contractor of unfulfilled requirements. Owner will prepare the Certificate of Substantial Completion after inspection or will notify Contractor of items, either on Contractor's list or additional items identified by Owner, that must be completed or corrected before certificate will be issued.

1. Request reinspection when the Work identified in previous inspections as incomplete is completed or corrected.
2. Results of completed inspection will form the basis of requirements for final completion.

1.7 FINAL COMPLETION PROCEDURES

A. Submittals Prior to Final Completion: Before requesting final inspection for determining final completion, complete the following:
1. Certified List of Incomplete Items: Submit certified copy of Owner's Substantial Completion inspection list of items to be completed or corrected (punch list), endorsed and dated by Architect. Certified copy of the list shall state that each item has been completed or otherwise resolved for acceptance.
2. Certificate of Insurance: Submit evidence of final, continuing insurance coverage complying with insurance requirements.
3. Submit final completion photographic documentation.

B. Inspection: Submit a written request for final inspection to determine acceptance a minimum of 10 days prior to date the work will be completed and ready for final inspection and tests. On receipt of request, Owner will either proceed with inspection or notify Contractor of unfulfilled requirements. Architect will prepare a final Certificate for Payment after inspection or will notify Contractor of construction that must be completed or corrected before certificate will be issued.

1. Request reinspection when the Work identified in previous inspections as incomplete is completed or corrected.

1.8 LIST OF INCOMPLETE ITEMS (PUNCH LIST)

A. Organization of List: Include name and identification of each space and area affected by construction operations for incomplete items and items needing correction including, if necessary, areas disturbed by Contractor that are outside the limits of construction.

1. Submit list of incomplete items in the following format:
   a. PDF electronic file.

1.9 SUBMITTAL OF PROJECT WARRANTIES

A. Time of Submittal: Submit written warranties on request of Architect for designated portions of the Work where warranties are indicated to commence on dates other than date of Substantial Completion, or when delay in submittal of warranties might limit Owner's rights under warranty.

B. Organize warranty documents into an orderly sequence based on the table of contents of Project Manual.

C. Warranty Electronic File: Provide warranties and bonds in PDF format. Assemble complete warranty and bond submittal package into a single electronic PDF file with bookmarks enabling navigation to each item. Provide bookmarked table of contents at beginning of document.

D. Warranties in Paper Form:

1. Bind warranties and bonds in heavy-duty, three-ring, vinyl-covered, loose-leaf binders, thickness as necessary to accommodate contents, and sized to receive 8-1/2-by-11-inch paper.
2. Provide heavy paper dividers with plastic-covered tabs for each separate warranty. Mark tab to identify the product or installation. Provide a typed description of the product or installation, including the name of the product and the name, address, and telephone number of Installer.
3. Identify each binder on the front and spine with the typed or printed title "WARRANTIES," Project name, and name of Contractor.

E. Provide additional copies of each warranty to include in operation and maintenance manuals.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Cleaning Agents: Use cleaning materials and agents recommended by manufacturer or fabricator of the surface to be cleaned. Do not use cleaning agents that are potentially hazardous to health or property or that might damage finished surfaces.

1. Use cleaning products that comply with Green Seal's GS-37, or if GS-37 is not applicable, use products that comply with the California Code of Regulations maximum allowable VOC levels.

PART 3 - EXECUTION

3.1 FINAL CLEANING

A. General: Perform final cleaning. Conduct cleaning and waste-removal operations to comply with local laws and ordinances and Federal and local environmental and antipollution regulations.

B. Cleaning: Employ experienced workers or professional cleaners for final cleaning. Clean each surface or unit to condition expected in an average commercial building cleaning and maintenance program. Comply with manufacturer's written instructions.

1. Complete the following cleaning operations before requesting inspection for certification of Substantial Completion for entire Project or for a designated portion of Project:

    a. Clean Project site, and grounds, in areas disturbed by construction and delivery activities, of rubbish, waste material, litter, and other foreign substances.
    b. Sweep paved areas broom clean. Remove petrochemical spills, stains, and other foreign deposits.
    c. Remove tools, construction equipment, machinery, and surplus material from Project site.
    d. Clean interior hard-surfaced finishes to a dirt-free condition, free of stains, films, and similar foreign substances. Avoid disturbing natural weathering of exterior surfaces. Restore reflective surfaces to their original condition.
    e. Remove debris and surface dust from limited access spaces, including roofs, plenums, shafts, trenches, equipment vaults, manholes, attics, and similar spaces.
    f. Sweep concrete floors broom clean in unoccupied spaces.
    g. Clean transparent materials, including mirrors and glass in doors and windows. Remove glazing compounds and other noticeable, vision-obscuring materials. Polish mirrors and glass, taking care not to scratch surfaces.
    h. Remove labels that are not permanent.
    i. Wipe surfaces of mechanical and electrical equipment, and similar equipment. Remove excess lubrication, paint and mortar droppings, and other foreign substances.
    j. Clean plumbing fixtures to a sanitary condition, free of stains, including stains resulting from water exposure.
    k. Replace disposable air filters and clean permanent filters. Clean exposed surfaces of diffusers, registers, and grills.
    l. Clean ducts, blowers, and coils if units were operated without filters during construction or that display contamination with particulate matter on inspection.
    m. Clean light fixtures, lamps, globes, and reflectors to function with full efficiency.
    n. Leave Project clean and ready for occupancy.

3.2 REPAIR OF THE WORK

A. Complete repair and restoration operations before requesting inspection for determination of Substantial Completion.

B. Repair, or remove and replace, defective construction. Repairing includes replacing defective parts, refinishing damaged surfaces, touching up with matching materials, and properly adjusting operating equipment. Where damaged or worn items cannot be repaired or restored, provide replacements. Remove and replace operating components that cannot be repaired. Restore damaged construction and permanent facilities used during construction to specified condition.

1. Remove and replace chipped, scratched, and broken glass, reflective surfaces, and other damaged transparent materials.
2. Touch up and otherwise repair and restore marred or exposed finishes and surfaces. Replace finishes and surfaces that that already show evidence of repair or restoration.

    a. Do not paint over "UL" and other required labels and identification, including mechanical and electrical nameplates. Remove paint applied to required labels and identification.

3. Replace parts subject to operating conditions during construction that may impede operation or reduce longevity.
4. Replace burned-out bulbs, bulbs noticeably dimmed by hours of use, and defective and noisy starters in fluorescent and mercury vapor fixtures to comply with requirements for new fixtures.

END OF SECTION

SECTION 01731
CUTTING AND PATCHING

PART 1 - GENERAL

1.1 SUMMARY

A. This section includes procedural requirements for cutting and patching.

B. Definition: Cutting and patching includes cutting into existing construction to provide for the installation or performance of other work and subsequent fitting and repair required to restore surfaces to their original condition.

C. Operational Limitations: Do not cut and patch operating elements, safety related systems, or related components in a manner that would result in reducing their capacity to perform as intended. Do not cut and patch operating elements, safety related systems or related components in a manner that would result in increased maintenance or decreased operational life or safety.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Use materials identical to existing materials to the maximum extent available.

B. For exposed surfaces, use materials that visually match existing adjacent surfaces to the fullest extent possible.

C. Use materials whose installed performance will equal or surpass that of existing materials.

PART 3 - EXECUTION

3.1 INSPECTION

A. Before cutting, examine surfaces to be cut and patched and conditions under which cutting and patching is to be performed. If unsafe or unsatisfactory conditions are encountered, take corrective action before proceeding.

B. Before proceeding with cutting and patching involving two or more trades, meet at the Project site with the entities providing or affected by the cutting and patching. Review areas of potential interference and conflict. Coordinate procedures and resolve potential conflicts before proceeding.

3.2 PREPARATION

A. Provide temporary support of work to be cut.

B. Protect existing conditions during cutting and patching to prevent damage.

C. Bypass in-service existing pipe or conduit scheduled to be removed or relocated before cutting.

3.3 PERFORMANCE

A. Employ skilled workmen to perform cutting and patching. Proceed with cutting and patching at the earliest feasible time and complete without delay.

B. Cutting: Cut existing construction using methods least likely to damage elements retained and adjoining construction. Where possible, review proposed procedures with the original installer and comply with the original installer's recommendations.

1. In general, use hand or small power tools designed for sawing or grinding, not for hammering and chopping.
2. Cut through concrete and masonry using a cutting machine, such as a Carborundum saw or a diamond-core drill.

C. Patching: Patch with durable seams that are as invisible as possible. Comply with specified tolerances.

1. Where feasible, inspect and test patched areas to demonstrate integrity of the installation.
2. Restore exposed finishes of patched areas and extend finish restoration into adjoining construction in a manner that will eliminate evidence of patching and refinishing.

3.4 CLEANING

A. Clean areas and spaces where cutting and patching are performed. Completely remove paint, mortar, oils, putty, and similar items.

END OF SECTION 01731

SECTION 017823
OPERATION AND MAINTENANCE DATA

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes administrative and procedural requirements for preparing operation and maintenance manuals, including the following:
   1. Operation manuals for systems, subsystems, and equipment.
   2. Maintenance manuals for the care and maintenance of products, materials, and finishes, systems and equipment.

B. See Divisions 01 through 16 Sections for specific operation and maintenance manual requirements for the Work in those Sections.

1.2 SUBMITTALS

A. Manual: Submit copies of each manual in final form at least 15 days before final inspection. Owner will return copy with comments within 10 days after final inspection.

   1. Correct or modify each manual to comply with Owner's comments. Submit copies of each corrected manual within 10 days of receipt of Owner's comments.

   2. Provide PDF copies. Submit with the corrected manual.

PART 2 - PRODUCTS

2.1 MANUALS, GENERAL

A. Organization: Unless otherwise indicated, organize each manual into a separate section for each system and subsystem, and a separate section for each piece of equipment not part of a system. Each manual shall contain a title page, table of contents, and manual contents.

B. Title Page: Enclose title page in transparent plastic sleeve. Include the following information:

   1. Subject matter included in manual.
   2. Name and address of Project.
   3. Name and address of Owner.
   4. Date of submittal.
   5. Name, address, and telephone number of Contractor.
   6. Name and address of Owner and Engineer.
   7. Cross-reference to related systems in other operation and maintenance manuals.

C. Table of Contents: List each product included in manual, identified by product name, indexed to the content of the volume, and cross-referenced to Specification Section number in Project Manual.

D. Manual Contents: Organize into sets of manageable size. Arrange contents alphabetically by system, subsystem, and equipment. If possible, assemble instructions for subsystems, equipment, and components of one system into a single binder.

1. Binders: Heavy-duty, 3-ring, vinyl-covered, loose-leaf binders, in thickness necessary to accommodate contents, sized to hold 8-1/2-by-11-inch (215-by-280-mm) paper; with clear sleeve on spine to hold label describing contents and with pockets inside covers to hold folded oversize sheets.

    a. Identify each binder on front and spine, with printed title "OPERATION AND MAINTENANCE MANUAL," Project title or name, and subject matter of contents. Indicate volume number for multiple-volume sets.

2. Dividers: Heavy-paper dividers with plastic-covered tabs for each section. Mark each tab to indicate contents. Include typed list of products and major components of equipment included in the section on each divider, cross-referenced to Specification Section number and title of Project Manual.
3. Protective Plastic Sleeves: Transparent plastic sleeves designed to enclose diagnostic software diskettes for computerized electronic equipment.
4. Drawings: Attach reinforced, punched binder tabs on drawings and bind with text.

    a. If oversize drawings are necessary, fold drawings to same size as text pages and use them as foldouts.
    b. If drawings are too large to be used as foldouts, fold and place drawings in labeled envelopes and bind envelopes in rear of manual. At appropriate locations in manual, insert typewritten pages indicating drawing titles, descriptions of contents, and drawing locations.

2.2 OPERATION MANUALS

A. Content: In addition to requirements in this Section, include operation data required in individual Specification Sections and equipment descriptions, operating standards, operating procedures, operating logs, wiring and control diagrams, and license requirements.

B. Descriptions: Include the following:

1. Product name and model number.
2. Manufacturer's name.
3. Equipment identification with serial number of each component.
4. Equipment function.
5. Operating characteristics.
6. Limiting conditions.
7. Performance curves.

8. Engineering data and tests.
9. Complete nomenclature and number of replacement parts.

C. Operating Procedures: Include start-up, break-in, and control procedures; stopping and normal shutdown instructions; routine, normal, seasonal, and weekend operating instructions; and required sequences for electric or electronic systems.

D. Systems and Equipment Controls: Describe the sequence of operation, and diagram controls as installed.

2.3 PRODUCT MAINTENANCE MANUAL

A. Content: Organize manual into a separate section for each product, material, and finish. Include source information, product information, maintenance procedures, repair materials and sources, and warranties and bonds, as described below.

B. Source Information: List each product included in manual, identified by product name and arranged to match manual's table of contents. For each product, list name, address, and telephone number of Installer or supplier and maintenance service agent, and cross-reference Specification Section number and title in Project Manual.

C. Product Information: Include the following, as applicable:

1. Product name and model number.
2. Manufacturer's name.
3. Color, pattern, and texture.
4. Material and chemical composition.
5. Reordering information for specially manufactured products.

D. Maintenance Procedures: Include manufacturer's written recommendations and inspection procedures, types of cleaning agents, methods of cleaning, schedule for cleaning and maintenance, and repair instructions.

E. Repair Materials and Sources: Include lists of materials and local sources of materials and related services.

F. Warranties and Bonds: Include copies of warranties and bonds and lists of circumstances and conditions that would affect validity of warranties or bonds.

2.4 SYSTEMS AND EQUIPMENT MAINTENANCE MANUAL

A. Content: For each system, subsystem, and piece of equipment not part of a system, include source information, manufacturers' maintenance documentation, maintenance procedures, maintenance and service schedules, spare parts list and source information, maintenance service contracts, and warranty and bond information, as described below.

B. Source Information: List each system, subsystem, and piece of equipment included in manual, identified by product name and arranged to match manual's table of contents.

For each product, list name, address, and telephone number of Installer or supplier and maintenance service agent, and cross-reference Specification Section number and title in Project Manual.

C. Manufacturers' Maintenance Documentation: Manufacturers' maintenance documentation including maintenance instructions, drawings and diagrams for maintenance, nomenclature of parts and components, and recommended spare parts for each component part or piece of equipment:

D. Maintenance Procedures: Include test and inspection instructions, troubleshooting guide, disassembly instructions, and adjusting instructions, and demonstration and training videotape if available, that detail essential maintenance procedures.

E. Submit demonstration and training video for all control systems.

F. Maintenance and Service Schedules: Include service and lubrication requirements, list of required lubricants for equipment, and separate schedules for preventive and routine maintenance and service with standard time allotment.

G. Warranties and Bonds: Include copies of warranties and bonds and lists of circumstances and conditions that would affect validity of warranties or bonds.

PART 3 - EXECUTION

3.1 MANUAL PREPARATION

A. Product Maintenance Manual: Assemble a complete set of maintenance data indicating care and maintenance of each product, material, and finish incorporated into the Work.

B. Operation and Maintenance Manuals: Assemble a complete set of operation and maintenance data indicating operation and maintenance of each system, subsystem, and piece of equipment not part of a system.

C. Manufacturers' Data: Where manuals contain manufacturers' standard printed data, include only sheets pertinent to product or component installed. Mark each sheet to identify each product or component incorporated into the Work. If data include more than one item in a tabular format, identify each item using appropriate references from the Contract Documents. Identify data applicable to the Work and delete references to information not applicable.

D. Drawings: Prepare drawings supplementing manufacturers printed data to illustrate the relationship of component parts of equipment and systems and to illustrate control sequence and flow diagrams. Coordinate these drawings with information contained in Record Drawings to ensure correct illustration of completed installation.

1. Do not use original Project Record Documents as part of operation and maintenance manuals.

E. Comply with Division 01 Section "Closeout Procedures" for schedule for submitting operation and maintenance documentation.

END OF SECTION 017823

SECTION 017839
PROJECT RECORD DOCUMENTS

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes administrative and procedural requirements for Project Record Documents, including the following:

1. Record Drawings.
2. Record Specifications.
3. Record Product Data.

B. See Division 01 Section "Operation and Maintenance Data" for operation and maintenance manual requirements.

C. See Divisions 01 through 16 Sections for specific requirements for Project Record Documents of the Work in those Sections.

1.2 SUBMITTALS

A. Record Drawings: Comply with the following:

1. Number of Copies: Submit copies of Record Drawings as follows:
   a. Final Submittal: Submit two sets of marked-up Record Prints, showing all dimensional locations, materials changes, any changes via addendum or change order. Pay particular attention to noting underground utilities.

B. Record Specifications: Submit copies of Project's Specifications, including addenda and contract modifications.

C. Record Product Data: Submit copies of each Product Data submittal.

D. Submit PDF's of Record Drawings, Record Specifications, Record Change Orders, Requests for Proposal, Documentation of use of Allowances, Product and Contractor's Warrantees, Product Test Reports, Final Surveys, Record Product Data, etc. on 2 discs.

PART 2 - PRODUCTS

2.1 RECORD DRAWINGS

A. Record Prints: Maintain one set of prints of the Contract Drawings and Shop Drawings.

1. Preparation: Mark Record Prints to show the actual installation where installation varies from that shown originally. Require individual or entity who obtained

record data, whether individual or entity is Installer, subcontractor, or similar entity, to prepare the marked-up Record Prints.

a. Give particular attention to information on concealed elements that would be difficult to identify or measure and record later.
b. Record data as soon as possible after obtaining it. Record and check the markup before enclosing concealed installations.

2. Mark the Contract Drawings or Shop Drawings, whichever is most capable of showing actual physical conditions, completely and accurately. If Shop Drawings are marked, show cross-reference on the Contract Drawings.
3. Mark record sets with erasable, red-colored pencil. Use other colors to distinguish between changes for different categories of the Work at same location.
4. Note Construction Change Directive numbers, alternate numbers, Change Order numbers, and similar identification, where applicable.

B. Format: Identify and date each Record Drawing; include the designation "PROJECT RECORD DRAWING" in a prominent location.

1. Record Prints: Organize Record Prints and newly prepared Record Drawings into manageable sets. Bind each set with durable paper cover sheets. Include identification on cover sheets.
2. Identification: As follows:

a. Project name.
b. Date.
c. Designation "PROJECT RECORD DRAWINGS."
d. Name of Architect and Engineer.
e. Name of Contractor.

2.2 RECORD SPECIFICATIONS

A. Preparation: Mark Specifications to indicate the actual product installation where installation varies from that indicated in Specifications, addenda, and contract modifications.

1. Give particular attention to information on concealed products and installations that cannot be readily identified and recorded later.
2. Mark copy with the proprietary name and model number of products, materials, and equipment furnished, including substitutions and product options selected.
3. Record the name of manufacturer, supplier, Installer, and other information necessary to provide a record of selections made.
4. Note related Change Orders, Record Product Data, and Record Drawings where applicable.

2.3 RECORD PRODUCT DATA

A. Preparation: Mark Product Data to indicate the actual product installation where installation varies substantially from that indicated in Product Data submittal.

1. Give particular attention to information on concealed products and installations that cannot be readily identified and recorded later.
2. Include significant changes in the product delivered to Project site and changes in manufacturer's written instructions for installation.
3. Note related Change Orders, Record Specifications, and Record Drawings where applicable.

2.4 MISCELLANEOUS RECORD SUBMITTALS

A. Assemble miscellaneous records required by other Specification Sections for miscellaneous record keeping and submittal in connection with actual performance of the Work. Bind or file miscellaneous records and identify each, ready for continued use and reference.

B. Completed Test Reports.

PART 3 - EXECUTION

3.1 RECORDING AND MAINTENANCE

A. Recording: Maintain one copy of each submittal during the construction period for Project Record Document purposes. Post changes and modifications to Project Record Documents as they occur; do not wait until the end of Project.

B. Maintenance of Record Documents and Samples: Store Record Documents and Samples in the field office apart from the Contract Documents used for construction. Do not use Project Record Documents for construction purposes. Maintain Record Documents in good order and in a clean, dry, legible condition, protected from deterioration and loss. Provide access to Project Record Documents for Architect's reference during normal working hours.

END OF SECTION 017839

SECTION 03 3100
SITE CONCRETE

PART 1 - GENERAL

1.1 SUMMARY:

A. Section Includes:

1. Formwork.
2. Reinforcing.
3. Cast-in place concrete including mix design, placement procedures, and finishes.

B. Cast-in-place concrete includes the following:

1. Foundations and footings.
2. Slabs-on-grade.
3. Slabs on steel deck.
4. Equipment pads and bases.

C. Related Documents: Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

D. Related Sections: The following Sections contain requirements that relate to this Section:

1. Section 31 2000, "Earthwork": Drainage fill under slabs on grade.
2. Section 32 1313, "Concrete Paving": Concrete paving and walks.
3. Section 07 9200, "Joint Sealants": Sealants and joint fillers in concrete work.

1.2 SUBMITTALS:

A. General: Submit the following according to Conditions of the Contract and Division 1 Specification Sections.

B. Product data for proprietary materials and items, including reinforcement and forming accessories, admixtures, patching compounds, waterstops, joint systems, curing compounds, dry-shake finish materials, and others if requested by Owner.

C. Shop drawings for reinforcement detailing fabricating, bending, and placing concrete reinforcement. Comply with ACI 315 "Manual of Standard Practice for Detailing Reinforced Concrete Structures" showing bar schedules, stirrup spacing, bent bar diagrams, and arrangement of concrete reinforcement. Include special reinforcing required for openings through concrete structures.

D. Samples of materials as requested by Owner, including names, sources, and descriptions, as follows:

1. Color finishes.
2. Normal weight aggregates.

1.3 QUALITY ASSURANCE:

A. Codes and Standards: Comply with provisions of the following codes, specifications, and standards, except where more stringent requirements are shown or specified:

1. ACI 301, "Specifications for Structural Concrete for Buildings".
2. ACI 302, "Guide for Concrete Floor and Slab Construction".
3. ACI 304, "Recommended Practice for Measuring, Mixing, Transporting and Placing Concrete".
4. ACI 305, "Hot Weather Concreting".
5. ACI 306, "Cold Weather Concreting".
6. ACI 309, "Guide for Consolidation of Concrete".
7. ACI 311, "Recommended Practice for Concrete Inspection".
8. ACI 318, "Building Code Requirements for Reinforced Concrete".
9. ACI 347, "Recommended Practice for Concrete Formwork".
10. Concrete Reinforcing Steel Institute (CRSI), "Manual of Standard Practice."
11. American Welding Society, AWS D1.4 "Structural Welding Code - Reinforcing Steel".

B. Concrete Testing Service: Engage a testing agency acceptable to Owner to perform material evaluation tests and to design concrete mixes.

C. Materials and installed work may require testing and retesting at any time during progress of Work. Tests, including retesting of rejected materials for installed Work, shall be done at Contractor's expense.

PART 2 - PRODUCTS

2.1 FORM MATERIALS:

A. Forms for Exposed Finish Concrete: Plywood, metal, metal-framed plywood faced, or other acceptable panel-type materials to provide continuous, straight, smooth, exposed surfaces. Furnish in largest practicable sizes to minimize number of joints and to conform to joint system shown on drawings.

1. Use overlaid plywood complying with U.S. Product Standard PS-1 "A-C or B-B High Density Overlaid Concrete Form," Class I.

2. Use plywood complying with U.S. Product Standard PS-1 "B-B (Concrete Form) Plywood," Class I, Exterior Grade or better, mill-oiled and edge-sealed, with each piece bearing legible inspection trademark.

B. Forms for Unexposed Finish Concrete: Plywood, lumber, metal, or another acceptable material. Provide lumber dressed on at least two edges and one side for tight fit.

C. Form Release Agent: Provide commercial formulation form release agent with a maximum of 350 g/L volatile organic compounds (VOCs) that will not bond with, stain, or adversely affect concrete surfaces and will not impair subsequent treatments of concrete surfaces.

D. Provide ties that, when removed, will leave holes not larger than 1 inch in diameter in the concrete surface.

2.2 REINFORCING MATERIALS:

A. Reinforcing Bars: ASTM A 615, Grade 60, deformed.

B. Steel Wire: ASTM A 82, plain, cold-drawn steel.

C. Welded Wire Fabric: ASTM A 185, welded steel wire fabric.

D. Deformed-Steel Welded Wire Fabric: ASTM A 497.

E. Supports for Reinforcement: Bolsters, chairs, spacers, and other devices for spacing, supporting, and fastening reinforcing bars and welded wire fabric in place. Use wire bar-type supports complying with CRSI specifications.

1. For slabs-on-grade, use supports with sand plates or horizontal runners where base material will not support chair legs.
2. For exposed-to-view concrete surfaces where legs of supports are in contact with forms, provide supports with legs that are protected by plastic (CRSI, Class 1) or stainless steel (CRSI, Class 2).

F. Threaded Dowels: Continuous threaded high-strength steel bars equal to "Lasstud" by Richmond Screw Anchor Co., Inc. Provide inserts compatible with dowels, designed for ultimate pull-out force indicated on the drawings.

G. Mechanical Splices: Equal to "Cadweld Rebar Splices", as manufactured by Erico Products, Inc., "C" Series, for developing 125% of minimum ASTM specified yield strengths, unless otherwise noted on drawings.

H. Steel Shapes, Plates and Rods: Conform to ASTM A 36, "Specification for Structural Steel".

I. Do Not Weld Reinforcing Steel: Unless specifically noted on drawings. If welding is shown, conform to latest revision of AWS D12.1, "Reinforcing Steel Welding Code of the American Welding Society". Perform all welding with certified welders qualified per AWS.

2.3 CONCRETE MATERIALS:

A. Portland Cement: ASTM C 150, Type I.

1. Use one brand of cement throughout Project unless otherwise acceptable to Owner.

B. Fly Ash: ASTM C 618, Type F or C.

1. Limit use of fly ash to not exceed 20 percent of cement content by weight.

C. Normal-Weight Aggregates: ASTM C 33 and as specified. Provide aggregates from a single source for exposed concrete.

1. For exposed exterior surfaces, do not use fine or coarse aggregates that contain substances that cause spalling.
2. Local aggregates not complying with ASTM C 33 that have been shown to produce concrete of adequate strength and durability by special tests or actual service may be used when acceptable to Owner.

D. Water: Potable.

E. Admixtures, General: Provide concrete admixtures that contain not more than 0.1 percent chloride ions.

F. Air-Entraining Admixture: ASTM C 260, certified by manufacturer to be compatible with other required admixtures.

1. Products: Subject to compliance with requirements, provide one of the following:
   a. Air-Tite, Cormix Construction Chemicals.
   b. Air-Mix or Perma-Air, Euclid Chemical Co.
   c. Darex AEA or Daravair, W.R. Grace & Co.
   d. MB-VR or Micro-Air, Master Builders, Inc.
   e. Sealtight AEA, W.R. Meadows, Inc.
   f. Sika AER, Sika Corp.

G. Water-Reducing Admixture: ASTM C 494, Type A.

1. Products: Subject to compliance with requirements, provide one of the following:
   a. PSI N, Cormix Construction Chemicals.
   b. Eucon WR-75, Euclid Chemical Co.
   c. WRDA, W.R. Grace & Co.
   d. Pozzolith Normal or Polyheed, Master Builders, Inc.
   e. Plastocrete 161, Sika Corp.

H. High-Range Water-Reducing Admixture: ASTM C 494, Type F or Type G.

1. Products: Subject to compliance with requirements, provide one of the following:
   a. Eucon 37, Euclid Chemical Co.
   b. WRDA 19 or Daracem, W.R. Grace & Co.
   c. Rheobuild or Polyheed, Master Builders, Inc.
   d. Sikament 300, Sika Corp.

I. Water-Reducing, Accelerating Admixture: ASTM C 494, Type E.

1. Products: Subject to compliance with requirements, provide one of the following:
   a. Accelguard 80, Euclid Chemical Co.
   b. Daraset, W.R. Grace & Co.
   c. Pozzutec 20, Master Builders, Inc.

J. Water-Reducing, Retarding Admixture: ASTM C 494, Type D.

1. Products: Subject to compliance with requirements, provide one of the following:
   a. Eucon Retarder 75, Euclid Chemical Co.
   b. Daratard-17, W.R. Grace & Co.
   c. Pozzolith R, Master Builders, Inc.
   d. Protard, Prokrete Industries.
   e. Plastiment, Sika Corporation.

2.4 ADMIXTURES:

A. Use water-reducing admixture or high-range water-reducing admixture (superplasticizer) in concrete, as required, for placement and workability.

B. Use accelerating admixture in concrete slabs placed at ambient temperatures below 50 deg.F (10 deg.C).

C. Use high-range water-reducing admixture in pumped concrete, concrete for heavy-use industrial slabs, architectural concrete, parking structure slabs, concrete required to be watertight, and concrete with water-cement ratios below 0.50.

D. Use air-entraining admixture in exterior exposed concrete unless otherwise indicated. Add air-entraining admixture at manufacturer's prescribed rate to result in concrete at point of placement having total air content with a tolerance of plus or minus 1-1/2 percent within the following limits:

1. Concrete structures and slabs exposed to freezing and thawing, deicer chemicals, or hydraulic pressure:
   a. 4.5 percent (moderate exposure); 5.5 percent (severe exposure) for 1-1/2-inch maximum aggregate.
   b. 4.5 percent (moderate exposure); 6.0 percent (severe exposure) for 1-inch maximum aggregate.
   c. 5.0 percent (moderate exposure); 6.0 percent (severe exposure) for 3/4-inch maximum aggregate.
   d. 5.5 percent (moderate exposure); 7.0 percent (severe exposure) for 1/2-inch maximum aggregate.
2. Other concrete not exposed to freezing, thawing, or hydraulic pressure, or to receive a surface hardener: 2 to 4 percent air.

E. Use admixtures for water reduction and set accelerating or retarding in strict compliance with manufacturer's directions.

2.5 CONCRETE MIXING

A. Ready-Mixed Concrete: Comply with requirements of ASTM C 94, and as specified.

1. When air temperature is between 85 deg.F (30 deg.C) and 90 deg.F (32 deg.C), reduce mixing and delivery time from 1-1/2 hours to 75 minutes, and when air temperature is above 90 deg.F (32 deg.C), reduce mixing and delivery time to 60 minutes.

PART 3 - EXECUTION

3.1 GENERAL:

A. Coordinate the installation of joint materials, vapor retarder/barrier, and other related materials with placement of forms and reinforcing steel.

3.2 FORMS:

A. General: Design, erect, support, brace, and maintain formwork to support vertical,

lateral, static, and dynamic loads that might be applied until concrete structure can support such loads. Construct formwork so concrete members and structures are of correct size, shape, alignment, elevation, and position. Maintain formwork construction tolerances and surface irregularities complying with the following ACI 347 limits:

1. Provide Class A tolerances for concrete surfaces exposed to view.
2. Provide Class C tolerances for other concrete surfaces.

B. Construct forms to sizes, shapes, lines, and dimensions shown and to obtain accurate alignment, location, grades, level, and plumb work in finished structures. Provide for openings, offsets, sinkages, keyways, recesses, moldings, rustications, reglets, chamfers, blocking, screeds, bulkheads, anchorages and inserts, and other features required in the Work. Use selected materials to obtain required finishes. Solidly butt joints and provide backup at joints to prevent cement paste from leaking.

C. Fabricate forms for easy removal without hammering or prying against concrete surfaces. Provide crush plates or wrecking plates where stripping may damage cast concrete surfaces. Provide top forms for inclined surfaces where slope is too steep to place concrete with bottom forms only. Kerf wood inserts for forming keyways, reglets, recesses, and the like for easy removal.

D. Provide temporary openings for clean-outs and inspections where interior area of formwork is inaccessible before and during concrete placement. Securely brace temporary openings and set tightly to forms to prevent losing concrete mortar. Locate temporary openings in forms at inconspicuous locations.

E. Chamfer exposed corners and edges as indicated, using wood, metal, PVC, or rubber chamfer strips fabricated to produce uniform smooth lines and tight edge joints.

F. Provisions for Other Trades: Provide openings in concrete formwork to accommodate work of other trades. Determine size and location of openings, recesses, and chases from trades providing such items. Accurately place and securely support items built into forms.

G. Cleaning and Tightening: Thoroughly clean forms and adjacent surfaces to receive concrete. Remove chips, wood, sawdust, dirt, or other debris just before placing concrete. Retighten forms and bracing before placing concrete, as required, to prevent mortar leaks and maintain proper alignment.

3.3 PLACING REINFORCEMENT:

A. General: Comply with Concrete Reinforcing Steel Institute's recommended practice for "Placing Reinforcing Bars," for details and methods of reinforcement placement and supports and as specified.

1. Avoiding cutting or puncturing vapor retarder/barrier during reinforcement placement and concreting operations. Repair damages before placing concrete.

B. Clean reinforcement of loose rust and mill scale, earth, ice, and other materials that reduce or destroy bond with concrete.

C. Accurately position, support, and secure reinforcement against displacement. Locate and support reinforcing by metal chairs, runners, bolsters, spacers, and hangers, as approved by Owner.

D. Place reinforcement to maintain minimum coverages as indicated for concrete protection. Arrange, space, and securely tie bars and bar supports to hold reinforcement in position during concrete placement operations. Set wire ties so ends are directed into concrete, not toward exposed concrete surfaces.

E. Install welded wire fabric in lengths as long as practicable. Lap adjoining pieces at least one full mesh and lace splices with wire. Offset laps of adjoining widths to prevent continuous laps in either direction.

3.4 JOINTS:

A. Construction Joints: Locate and install construction joints so they do not impair strength or appearance of the structure, as acceptable to Owner.

B. Provide keyways at least 1-1/2 inches deep in construction joints in walls and slabs and between walls and footings. Bulkheads designed and accepted for this purpose may be used for slabs.

C. Place construction joints perpendicular to main reinforcement. Continue reinforcement across construction joints except as indicated otherwise. Do not continue reinforcement through sides of strip placements.

D. Use bonding agent on existing concrete surfaces that will be joined with fresh concrete.

E. Isolation Joints in Slabs-on-Grade: Construct isolation joints in slabs-on-grade at points of contact between slabs-on-grade and vertical surfaces, such as column pedestals, foundation walls, grade beams, and other locations, as indicated.

1. Joint fillers and sealants are specified in Section 07 9200 - "Joint Sealants".

F. Contraction (Control) Joints in Slabs-on-Grade: Construct contraction joints in slabs-on-grade to form panels of patterns as shown. Use saw cuts 1/8 inch wide by one-fourth of slab depth or inserts 1/4 inch wide by one-fourth of slab depth, unless otherwise indicated.

1. Form contraction joints by inserting premolded plastic, hardboard, or fiberboard strip into fresh concrete until top surface of strip is flush with slab surface. Tool slab edges round on each side of insert. After concrete has cured, remove inserts and clean groove of loose debris.
2. Contraction joints in unexposed floor slabs may be formed by saw cuts as soon as possible after slab finishing as may be safely done without dislodging aggregate.
3. If joint pattern is not shown, provide joints not exceeding 15 feet in either direction and located to conform to bay spacing wherever possible (at column centerlines, half bays, third bays).
4. Joint fillers and sealants are specified in Division 7 Section "Joint Sealants."

3.5 PREPARING FORM SURFACES:

A. General: Coat contact surfaces of forms with an approved, nonresidual, low-VOC, form-coating compound before placing reinforcement.

B. Do not allow excess form-coating material to accumulate in forms or come into contact with in-place concrete surfaces against which fresh concrete will be placed. Apply according to manufacturer's instructions.

1. Coat steel forms with a nonstaining, rust-preventative material. Rust-stained steel formwork is not acceptable.

3.6 CONCRETE PLACEMENT:

A. Inspection: Before placing concrete, inspect and complete formwork installation, reinforcing steel, and items to be embedded or cast in. Notify other trades to permit installation of their work.

B. General: Comply with ACI 304, "Guide for Measuring, Mixing, Transporting, and Placing Concrete," and as specified.

C. Deposit concrete continuously or in layers of such thickness that no new concrete will be placed on concrete that has hardened sufficiently to cause seams or planes of weakness. If a section cannot be placed continuously, provide construction joints as specified. Deposit concrete to avoid segregation at its final location.

D. Placing Concrete in Forms: Deposit concrete in forms in horizontal layers no deeper than 24 inches and in a manner to avoid inclined construction joints. Where placement consists of several layers, place each layer while preceding layer is still plastic to avoid cold joints.

1. Consolidate placed concrete by mechanical vibrating equipment supplemented by hand-spading, rodding, or tamping. Use equipment and procedures for

consolidation of concrete complying with ACI 309.

2. Do not use vibrators to transport concrete inside forms. Insert and withdraw vibrators vertically at uniformly spaced locations no farther than the visible effectiveness of the machine. Place vibrators to rapidly penetrate placed layer and at least 6 inches into preceding layer. Do not insert vibrators into lower layers of concrete that have begun to set. At each insertion, limit duration of vibration to time necessary to consolidate concrete and complete embedment of reinforcement and other embedded items without causing mix to segregate.

E. Placing Concrete Slabs: Deposit and consolidate concrete slabs in continuous operation, within limits of construction joints, until completing placement of a panel or section.

1. Consolidate concrete during placement operations so that concrete is thoroughly worked around reinforcement, other embedded items and into corners.
2. Bring slab surfaces to correct level with a straightedge and strike off. Use bull floats or darbies to smooth surface free of humps or hollows. Do not disturb slab surfaces prior to beginning finishing operations.
3. Maintain reinforcing in proper position on chairs during concrete placement.

F. Cold-Weather Placement: Comply with provisions of ACI 306 and as follows. Protect concrete work from physical damage or reduced strength that could be caused by frost, freezing actions, or low temperatures.

G. When air temperature has fallen to or is expected to fall below 40 deg.F (4 deg.C), uniformly heat water and aggregates before mixing to obtain a concrete mixture temperature of not less than 50 deg.F (10 deg.C) and not more than 80 deg.F (27 deg.C) at point of placement.

1. Do not use frozen materials or materials containing ice or snow. Do not place concrete on frozen subgrade or on subgrade containing frozen materials.

2. Do not use calcium chloride, salt, or other materials containing antifreeze agents or chemical accelerators unless otherwise accepted in mix designs.

H. Hot-Weather Placement: When hot weather conditions exist that would impair quality and strength of concrete, place concrete complying with ACI 305 and as specified.

1. Cool ingredients before mixing to maintain concrete temperature at time of placement to below 90 deg.F (32 deg.C). Mixing water may be chilled or chopped ice may be used to control temperature, provided water equivalent of ice is calculated to total amount of mixing water. Using liquid nitrogen to cool concrete is Contractor's option.
2. Cover reinforcing steel with water-soaked burlap if it becomes too hot, so that steel temperature will not exceed the ambient air temperature immediately

before embedding in concrete.

3. Fog spray forms, reinforcing steel, and subgrade just before placing concrete. Keep subgrade moisture uniform without puddles or dry areas.
4. Use water-reducing retarding admixture when required by high temperatures, low humidity, or other adverse placing conditions, as acceptable to Owner.

3.7 FINISHING FORMED SURFACES:

A. Rough-Formed Finish: Provide a rough-formed finish on formed concrete surfaces not exposed to view in the finished Work or concealed by other construction. This is the concrete surface having texture imparted by form-facing material used, with tie holes and defective areas repaired and patched, and fins and other projections exceeding 1/4 inch in height rubbed down or chipped off.

B. Smooth-Formed Finish: Provide a smooth-formed finish on formed concrete surfaces exposed to view or to be covered with a coating material applied directly to concrete, or a covering material applied directly to concrete, such as waterproofing, dampproofing, veneer plaster, painting, or another similar system. This is an as-cast concrete surface obtained with selected form-facing material, arranged in an orderly and symmetrical manner with a minimum of seams. Repair and patch defective areas with fins and other projections completely removed and smoothed.

C. Smooth-Rubbed Finish: Provide smooth-rubbed finish on scheduled concrete surfaces that have received smooth-formed finish treatment not later than 1 day after form removal.

1. Moisten concrete surfaces and rub with carborundum brick or another abrasive until producing a uniform color and texture. Do not apply cement grout other than that created by the rubbing process.

D. Related Unformed Surfaces: At tops of walls, horizontal offsets, and similar unformed surfaces adjacent to formed surfaces, strike-off smooth and finish with a texture matching adjacent formed surfaces. Continue final surface treatment of formed surfaces uniformly across adjacent unformed surfaces unless otherwise indicated.

3.8 MONOLITHIC SLAB FINISHES:

A. Scratch Finish: Apply scratch finish to monolithic slab surfaces to receive concrete floor topping or mortar setting beds for tile, portland cement terrazzo, and other bonded applied cementitious finish flooring material, and where indicated.

1. After placing slabs, finish surface to tolerances specified in Section 3.11. Slope surfaces uniformly to drains where required. After leveling, roughen surface before final set with stiff brushes, brooms, or rakes.

B. Float Finish: Apply float finish to monolithic slab surfaces to receive trowel finish and

other finishes as specified; slab surfaces to be covered with membrane or elastic waterproofing, membrane or elastic roofing, or sand-bed terrazzo; and where indicated.

1. After screeding, consolidating, and leveling concrete slabs, do not work surface until ready for floating. Begin floating, using float blades or float shoes only, when surface water has disappeared, or when concrete has stiffened sufficiently to permit operation of power-driven floats, or both. Consolidate surface with power-driven floats or by hand-floating if area is small or inaccessible to power units. Finish surfaces to tolerances specified in Section 3.11. Cut down high spots and fill low spots. Uniformly slope surfaces to drains. Immediately after leveling, refloat surface to a uniform, smooth, granular texture.

C. Trowel Finish: Apply a trowel finish to monolithic slab surfaces exposed to view and slab surfaces to be covered with resilient flooring, carpet, ceramic or quarry tile, paint, or another thin film-finish coating system.

1. After floating, begin first trowel-finish operation using a power-driven trowel. Begin final troweling when surface produces a ringing sound as trowel is moved over surface. Consolidate concrete surface by final hand-troweling operation, free of trowel marks, uniform in texture and appearance, and finish surfaces to tolerances specified in Section 3.11. Grind smooth any surface defects that would telegraph through applied floor covering system.

D. Trowel and Fine Broom Finish: Where ceramic or quarry tile is to be installed with thin-set mortar, apply a trowel finish as specified, then immediately follow by slightly scarifying the surface with a fine broom.

E. Nonslip Broom Finish: Apply a nonslip broom finish to exterior concrete platforms, steps, and ramps, and elsewhere as indicated.

1. Immediately after float finishing, slightly roughen concrete surface by brooming with fiber-bristle broom perpendicular to main traffic route. Coordinate required final finish with Owner before application.

F. Colored Wear-Resistant Finish: Apply a colored wear-resistant finish to monolithic slab surface indicated.

1. Apply dry shake materials for the colored wear-resistant finish at a rate of 100 lb per 100 sq. ft., unless a greater amount is recommended by material manufacturer.
2. Cast a trial slab approximately 10 feet square to determine actual application rate, color, and finish, as acceptable to Owner.
3. Immediately following the first floating operation, uniformly distribute with mechanical spreader approximately two-thirds of the required weight of the dry

shake material over the concrete surface, and embed by power floating. Follow floating operation with second shake application, uniformly distributing remainder of dry shake material with overlapping applications to ensure uniform color, and embed by power floating.

4. After broadcasting and floating, apply a trowel finish as specified. Cure slab surface with a curing compound recommended by the dry shake material manufacturer. Apply the curing compound immediately after the final finishing.

3.9 FLOOR FLATNESS/LEVELNESS REQUIREMENTS:

A. After placing slabs, finish surface to the following tolerances of F(F) (floor flatness) and F(L) (floor levelness) measured according to ASTM E 1155:

FINISH	SLAB-ON-GRADE				FRAMED FLOOR	
	OVERALL		LOCAL		OVERALL	LOCAL
	FF	FL	FF	FL	FF	FF
Scratch Finish	18	15	15	13	25	22
Float Finish	20	17	18	15	25	22
Trowel Finish	25	22	20	17	25	22

Specified overall F-numbers apply to the whole floor, taken as one. Minimum local F- numbers apply to each slab, bounded by construction joints.

3.10 MISCELLANEOUS CONCRETE ITEMS:

A. Filling In: Fill in holes and openings left in concrete structures for passage of work by other trades, unless otherwise shown or directed, after work of other trades is in place. Mix, place, and cure concrete as specified to blend with in-place construction. Provide other miscellaneous concrete filling shown or required to complete Work.

B. Curbs: Provide monolithic finish to interior curbs by stripping forms while concrete is still green and by steel-troweling surfaces to a hard, dense finish with corners, intersections, and terminations slightly rounded.

C. Equipment Bases and Foundations: Provide machine and equipment bases and foundations as shown on drawings. Set anchor bolts for machines and equipment to template at correct elevations, complying with diagrams or templates of manufacturer furnishing machines and equipment.

3.11 CONCRETE CURING AND PROTECTION:

A. General: Protect freshly placed concrete from premature drying and excessive cold or hot temperatures. In hot, dry, and windy weather protect concrete from rapid moisture loss before and during finishing operations with an evaporation-control material. Apply according to manufacturer's instructions after screeding and bull floating, but before

power floating and troweling.

B. No curing agents or sealers are to be applied to the concrete slab where Resilient Athletic Flooring is scheduled.

C. Start initial curing as soon as free water has disappeared from concrete surface after placing and finishing. Weather permitting, keep continuously moist for not less than 7 days.

D. Curing Methods: Cure concrete by curing compound, by moist curing, by moisture-retaining cover curing, or by combining these methods, as specified.

1. Provide moisture curing by the following methods:

    a. Keep concrete surface continuously wet by covering with water.
    b. Use continuous water-fog spray.
    c. Cover concrete surface with specified absorptive cover, thoroughly saturate cover with water, and keep continuously wet. Place absorptive cover to provide coverage of concrete surfaces and edges, with a 4-inch lap over adjacent absorptive covers.

2. Provide moisture-retaining cover curing as follows:
    a. Cover concrete surfaces with moisture-retaining cover for curing concrete, placed in widest practicable width with sides and ends lapped at least 3 inches and sealed by waterproof tape or adhesive. Immediately repair any holes or tears during curing period using cover material and waterproof tape.

3. Apply curing compound on exposed interior slabs and on exterior slabs, walks, and curbs as follows:
    a. Apply curing compound to concrete slabs as soon as final finishing operations are complete (within 2 hours and after surface water sheen has disappeared). Apply uniformly in continuous operation by power spray or roller according to manufacturer's directions. Recoat areas subjected to heavy rainfall within 3 hours after initial application. Maintain continuity of coating and repair damage during curing period.
    b. Use membrane curing compounds that will not affect surfaces to be covered with finish materials applied directly to concrete.

E. Curing Formed Surfaces: Cure formed concrete surfaces, including underside of beams, supported slabs, and other similar surfaces, by moist curing with forms in place for the full curing period or until forms are removed. If forms are removed, continue curing by methods specified above, as applicable.

F. Curing Unformed Surfaces: Cure unformed surfaces, including slabs, floor topping, and other flat surfaces, by applying the appropriate curing method.

1. Final cure concrete surfaces to receive finish flooring with a moisture-retaining cover, unless otherwise directed.

3.12 REMOVING FORMS:

A. General: Formwork not supporting weight of concrete, such as sides of beams, walls, columns, and similar parts of the work, may be removed after cumulatively curing at not less than 50 deg.F (10 deg.C) for 24 hours after placing concrete, provided concrete is sufficiently hard to not be damaged by form-removal operations, and provided curing and protection operations are maintained.

B. Formwork supporting weight of concrete, such as beam soffits, joists, slabs, and other structural elements, may not be removed in less than 14 days or until concrete has attained at least 75 percent of design minimum compressive strength at 28 days. Determine potential compressive strength of in-place concrete by testing field-cured specimens representative of concrete location or members.

C. Form-facing material may be removed 4 days after placement only if shores and other vertical supports have been arranged to permit removal of form-facing material without loosening or disturbing shores and supports.

3.13 REUSING FORMS:

A. Clean and repair surfaces of forms to be reused in the Work. Split, frayed, delaminated, or otherwise damaged form-facing material will not be acceptable for exposed surfaces. Apply new form-coating compound as specified for new formwork.

B. When forms are extended for successive concrete placement, thoroughly clean surfaces, remove fins and laitance, and tighten forms to close joints. Align and secure joint to avoid offsets. Do not use patched forms for exposed concrete surfaces except as acceptable to Owner.

3.14 CONCRETE SURFACE REPAIRS:

A. Patching Defective Areas: Repair and patch defective areas with cement mortar immediately after removing forms, when acceptable to Owner.

B. Mix dry-pack mortar, consisting of one part portland cement to 2-1/2 parts fine aggregate passing a No. 16 mesh sieve, using only enough water as required for handling and placing.

1. Cut out honeycombs, rock pockets, voids over 1/4 inch in any dimension, and holes left by tie rods and bolts down to solid concrete but in no case to a depth less than 1 inch. Make edges of cuts perpendicular to the concrete surface. Thoroughly clean, dampen with water, and brush-coat the area to be patched with bonding agent. Place patching mortar before bonding agent has dried.

2. For surfaces exposed to view, blend white portland cement and standard portland cement so that, when dry, patching mortar will match surrounding color. Provide test areas at inconspicuous locations to verify mixture and color match before proceeding with patching. Compact mortar in place and strike-off slightly higher than surrounding surface.

C. Repairing Formed Surfaces: Remove and replace concrete having defective surfaces if defects cannot be repaired to satisfaction of Owner. Surface defects include color and texture irregularities, cracks, spalls, air bubbles, honeycomb, rock pockets, fins and other projections on the surface, and stains and other discolorations that cannot be removed by cleaning. Flush out form tie holes and fill with dry-pack mortar or precast cement cone plugs secured in place with bonding agent.

1. Repair concealed formed surfaces, where possible, containing defects that affect the concrete's durability. If defects cannot be repaired, remove and replace the concrete.

D. Repairing Unformed Surfaces: Test unformed surfaces, such as monolithic slabs, for smoothness and verify surface tolerances specified for each surface and finish. Correct low and high areas as specified. Test unformed surfaces sloped to drain for trueness of slope and smoothness by using a template having the required slope.

1. Repair finished unformed surfaces containing defects that affect the concrete's durability. Surface defects include crazing and cracks in excess of 0.01 inch wide or that penetrate to the reinforcement or completely through nonreinforced sections regardless of width, spalling, popouts, honeycombs, rock pockets, and other objectionable conditions.
2. Correct high areas in unformed surfaces by grinding after concrete has cured at least 14 days.
3. Correct low areas in unformed surfaces during or immediately after completing surface finishing operations by cutting out low areas and replacing with patching mortar. Finish repaired areas to blend into adjacent concrete. Proprietary underlayment compounds may be used when acceptable to Owner.
4. Repair defective areas, except random cracks and single holes not exceeding 1 inch in diameter, by cutting out and replacing with fresh concrete. Remove defective areas with clean, square cuts and expose reinforcing steel with at least 3/4-inch clearance all around. Dampen concrete surfaces in contact with patching concrete and apply bonding agent. Mix patching concrete of same materials to provide concrete of same type or class as original concrete. Place, compact, and finish to blend with adjacent finished concrete. Cure in same manner as adjacent concrete.

E. Perform structural repairs with prior approval of Owner for method and procedure,

using specified epoxy adhesive and mortar.

F. Repair methods not specified above may be used, subject to acceptance of Owner.

3.15 QUALITY CONTROL TESTING DURING CONSTRUCTION:

A. General: The Owner will employ a testing agency to perform tests and to submit test reports.

B. Sampling and testing for quality control during concrete placement may include the following, as directed by Owner.

1. Sampling Fresh Concrete: ASTM C 172, except modified for slump to comply with ASTM C 94.
   a. Slump: ASTM C 143; one test at point of discharge for each day's pour of each type of concrete; additional tests when concrete consistency seems to have changed.
   b. Air Content: ASTM C 173, volumetric method for lightweight or normal weight concrete; ASTM C 231, pressure method for normal weight concrete; one for each day's pour of each type of air-entrained concrete.
   c. Concrete Temperature: ASTM C 1064; one test hourly when air temperature is 40 deg.F (4 deg.C) and below, when 80 deg.F (27 deg.C) and above, and one test for each set of compressive-strength specimens.
   d. Compression Test Specimen: ASTM C 31; one set of four standard cylinders for each compressive-strength test, unless otherwise directed. Mold and store cylinders for laboratory-cured test specimens except when field-cured test specimens are required.

C. Compressive-Strength Tests: ASTM C 39; one set for each day's pour exceeding 5 cu. yd. plus additional sets for each 50 cu. yd. more than the first 25 cu. yd. of each concrete class placed in any one day, or for each 5000 sq ft of surface are placed; one specimen tested at 7 days, two specimens tested at 28 days, and one specimen retained in reserve for later testing if required.

1. Any additional cylinder required by the Contractor for early strength gain tests for form stripping or post-tensioning are Contractor's responsibility and shall be paid for by Contractor.
2. When frequency of testing will provide fewer than five strength tests for a given class of concrete, conduct testing from at least five randomly selected batches or from each batch if fewer than five are used.
3. When total quantity of a given class of concrete is less than 50 cu. yd., Owner may waive strength testing if adequate evidence of satisfactory strength is provided.
4. When strength of field-cured cylinders is less than 85 percent of companion laboratory-cured cylinders, evaluate current operations and provide corrective

procedures for protecting and curing the in-place concrete.

5. Strength level of concrete will be considered satisfactory if averages of sets of three consecutive strength test results equal or exceed specified compressive strength and no individual strength test result falls below specified compressive strength by more than 500 psi.
6. Test results will be reported in writing to Owner, Structural Engineer, ready- mix producer, and Contractor within 24 hours after tests. Reports of compressive strength tests shall contain the Project identification name and number, date of concrete placement, name of concrete testing service, concrete type and class, location of concrete batch in structure, design compressive strength at 28 days, concrete mix proportions and materials, compressive breaking strength, and type of break for both 7-day tests and 28-day tests.
7. Nondestructive Testing: Impact hammer, sonoscope, or other nondestructive device may be permitted but shall not be used as the sole basis for acceptance or rejection.
8. Additional Tests: The testing agency will make additional tests of in-place concrete when test results indicate specified concrete strengths and other characteristics have not been attained in the structure, as directed by Owner. Testing agency may conduct tests to determine adequacy of concrete by cored cylinders complying with ASTM C 42, or by other methods as directed.

END OF SECTION

SECTION 07 9200
JOINT SEALANTS

PART 1 – GENERAL

1.01 SCOPE OF WORK

A. Section includes elastomeric joint sealants & acrylic sealant.

1.02 QUALITY ASSURANCE

A. Installer Qualifications: An authorized representative who is trained and approved by manufacturer.

1.03 DELIVERY, STORAGE, & HANDLING

A. Store products in original, unopened containers in clean, dry area away from heat and direct sunlight.

1.04 FIELD CONDITIONS

A. Do not proceed with installation of joint sealants under the following conditions.

1. When ambient and substrate temperature conditions are outside limits permitted by joint-sealant manufacturer or are below 40 deg F.
2. When joint substrates are wet.
3. Where joint widths are less than those allowed by joint-sealant manufacturer for applications indicated.
4. Where contaminants capable of interfering with adhesion have not yet been removed from joint substrates.

1.05 WARRANTY

A. Provide manufacturer's 10-year material warranty.

B. Include coverage for replacement of sealant materials which fail to achieve watertight seal, exhibit loss of adhesion or cohesion, or do not cure, provided sealant has been installed per manufacturer's recommendations.

C. Warranty Exclusions: Failure resulting from concrete shrinkage, excessive movement structural cracks or defects, faulty construction, faulty design, faulty materials (other than joint sealants), improper installation, misuse of structure, settlement, or accident, fire, or other casualty or physical damage.

PART 2 - PRODUCTS

2.01 MATERIALS

A. Elastomeric Sealants (Exterior applications):

1. Adjacent to EIFS: A premium, high-performance, very low-modulus, high-movement, non-sag, fast-curing, designed to adhere to low energy surfaces, one-component silyl-terminated polyether hybrid sealant. Tint base. Color to match adjacent material or as approved by Architect.
   a. Master Builders Solutions US, LLC- MasterSeal NP 150
   b. Tremco Spectrem 1
   c. Pecora 890 FTS
2. Other exterior applications: A premium, high-performance, low-modulus, high-movement, non-sag, fast-curing, ready-to-use, one-component silyl-terminated polyurethane hybrid sealant. Tint base. Color to match adjacent material or as approved by Architect.
   a. Master Builders Solutions US, LLC MasterSeal NP 100
   b. Tremco Dymonic 100
   c. Pecora 864 NST

2.02 PERFORMANCE REQUIREMENTS

A. Elastomeric Sealants (Exterior applications).

1. Adjacent to EIFS:
   a. Compliances:
      i. ASTM C920, Type S, Grade NS, Class 50, Use NT, M, A, and O, capable of +100/-50 in normal field conditions.
      ii. ASTM C 1382 for use with EIFS wall systems at 100% extension.
   b. Service Temperature Range: Minus 40 to 180 degrees F (minus 40 to 82 degrees C).
   c. Shrinkage: None
   d. Movement Capability, ASTM C719: Plus or minus 50 percent.
   e. Extension, ASTM C 1382: 100%
   f. 100% Modulus, ASTM C 412: 35 psi.
   g. Tensile Strength, ASTM D412: 140-180 psi.
   h. Tear Strength, ASTM D1004: 40 pli.
   i. Ultimate Elongation at Break, ASTM D412: 800-1000 percent.
   j. Rheological, ASTM C639, sag in vertical displacement, 120 degrees F (49 degrees C): No sag.

k. Extrudability, ASTM C 1183: 2-3 sec.

l. Hardness, ASTM C661, Shore A: 17.

m. Weight Loss, ASTM C 1246, after heat aging: less than 10 percent.

n. Tack-Free Time, ASTM C 1246: 90 minutes.

o. Stain and Color Change, ASTM C 510: Passes, no visible stain.

p. Bond Durability, ASTM C719, on aluminum and concrete: Passes, plus or minus 50 percent movement.

q. Adhesion in Peel, ASTM C794: Aluminum: 35 pli, Concrete: 36 pli.

r. Artificial Weathering, ASTM G155, Xenon arc, 2,000 hours: No Cracking.

s. VOC Content: When mixed, 28 g/L, less water and exempt solvents.

t. Design Requirements: (Design number of joints and joint widths for maximum of plus or minus 50 percent movement).

i. Depth of sealant to be 1/2 width of joint.

1. Maximum Depth: 1/2 inch.

2. Minimum Depth: 1/4 inch.

3. Maximum Recommended Width: 1-1/2 inches.

2. Other exterior applications:

a. Compliances:

i. ASTM C920, Type S, Grade NS, Class 50, Use NT, T, M, A, and O excluding glass.

ii. ASTM C 1382 for use with EIFS wall systems at 100% extension.

b. Service Temperature Range: Minus 40 to 180 degrees F (minus 40 to 82 degrees C).

c. Shrinkage: None.

d. Movement Capability, ASTM C719: Plus or minus 50 percent.

e. 100% Modulus, ASTM C 412: 25-50 psi.

f. Tensile Strength, ASTM D412: 160-200 psi.

g. Tear Strength, ASTM D1004: 22 pli.

h. Ultimate Elongation at Break, ASTM D412: 700-900 percent.

i. Rheological, ASTM C639, sag in vertical displacement, 120 degrees F (49 degrees C): No sag.

j. Extension Rate, ASTM C1183: 48.10 mL/min.

k. Hardness, ASTM C661, Shore A: 17-23.

l. Weight Loss, ASTM 792, after heat aging: less than or equal to 1 percent.

m. Tack-Free Time, ASTM C679: Passes 3-5 hours.

n. Tack-Free Time By Touch: Pass 50-70 hours.

o. Stain and Color Change, ASTM C510: Passes, no visible stain.

p. Bond Durability, ASTM C719, on glass, aluminum, and concrete: Passes, plus or minus 50 percent movement.

q. Adhesion in Peel, ASTM C794:

i. Aluminum: 20.32 pli.

ii. Glass: 21.33 pli.

iii. Concrete: 16.21 pli

r. Adhesion in Peel, after UV radiation through glass, ASTM C794: 33 pli

s. Artificial Weathering, ASTM G155, Xenon arc, 2,000 hours: No Cracking.

t. VOC Content:

i. MasterSeal NP 100: 29 g/L, less water and exempt solvents.

ii. MasterSeal NP 100 Tint Base: 29 g/L, less water and exempt solvents.

u. Design Requirements: (Design number of joints and joint widths for maximum of plus or minus 50 percent movement).

i. Depth of sealant to be 1/2 width of joint.

1. Maximum Depth: 1/2 inch.

2. Minimum Depth: 1/4 inch.

3. Maximum Recommended Width: 1-1/2 inches.

2.03 MISCELLANEOUS MATERIALS

A. Primer: Material recommended by joint-sealant manufacturer where required for adhesion of sealant to joint substrates indicated, as determined from preconstruction joint-sealant-substrate tests and field tests.

B. Cleaners for Nonporous Surfaces: Chemical cleaners acceptable to manufacturers of sealants and sealant backing materials, free of oily residues or other substances capable of staining or harming joint substrates and adjacent nonporous surfaces in any way, and formulated to promote optimum adhesion of sealants to joint substrates.

C. Masking Tape: Nonstaining, nonabsorbent material compatible with joint sealants and surfaces adjacent to joints.

D. Backerrods: ASTM C1330, Type C (closed-cell material with a surface skin), as approved in writing by joint-sealant manufacturer for joint application indicated, and of size and density to control sealant depth and otherwise contribute to producing optimum sealant performance or as noted on the drawings.

PART 3 – EXECUTION

1.01 EXAMINATION

A. Examine joints indicated to receive joint sealants, with Installer present, for compliance with requirements for joint configuration, installation tolerances, and other conditions affecting performance of the Work.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

1.02 PREPARATION

A. Surface Cleaning of Joints: Clean out joints immediately before installing joint sealants to comply with joint-sealant manufacturer's written instructions and the following requirements:

1. Remove all foreign material from joint substrates that could interfere with adhesion of joint sealant, including dust, paints (except for permanent, protective coatings tested and approved for sealant adhesion and compatibility by sealant manufacturer), old joint sealants, oil, grease, waterproofing, water repellents, water, surface dirt, and frost.
2. Clean porous joint substrate surfaces by brushing, grinding, mechanical abrading, or a combination of these methods to produce a clean, sound substrate capable of developing optimum bond with joint sealants. Remove loose particles remaining after cleaning operations above by vacuuming or blowing out joints with oil-free compressed air. Porous joint substrates include the following:
    a. Concrete.
    b. Masonry.
    c. Exterior insulation and finish systems.
3. Remove laitance and form-release agents from concrete.
4. Clean nonporous joint substrate surfaces with chemical cleaners or other means that do not stain, harm substrates, or leave residues capable of interfering with adhesion of joint sealants. Nonporous joint substrates include the following:
    a. Metal.
    b. Glass.

B. Joint Priming: Prime joint substrates where recommended by joint-sealant manufacturer or as indicated by preconstruction joint-sealant-substrate tests or prior experience. Apply primer to comply with joint-sealant manufacturer's written instructions. Confine primers to areas of joint-sealant bond; do not allow spillage or migration onto adjoining surfaces.

C. Masking Tape: Use masking tape where required to prevent contact of sealant or primer with adjoining surfaces that otherwise would be permanently stained or damaged by such contact or by cleaning methods required to remove sealant smears. Remove tape immediately after tooling without disturbing joint seal.

1.03 INSTALLATION

A. Backup Material:

1. Install appropriate size backer rod, larger than joint per manufacturer's recommendations, and in manner to provide concave sealant profile.
2. Where joint depth does not permit installation of backer rod, install adhesive-backed polyethylene bond-breaker tape along entire back of joint to prevent 3-sided adhesion of joint sealant.

B. Sealant:

1. Apply sealant in accordance with manufacturer's instructions.
2. Verify that temperature and moisture conditions are within manufacturer's acceptable limits.
3. Completely fill joint with sealant, filling from bottom up to avoid entrapping air.
4. Using clean, dry tool with rounded edge, and of appropriate width for each joint, tool freshly installed sealant to provide preferred concave profile, to ensure intimate contact between sealant and substrate, and to provide neat appearance. Where surface aggregate does not permit proper tooling, install sealant and backer rod so that face of joint is recessed behind exposed aggregate, and sealant is bonded to firm, even surface.
5. Use dry tooling method. Do not use tooling agents such as soapy water or solvents that have not been approved by sealant manufacturer.

C. Curing Time:

1. Elastomeric Sealant:
    a. Curing of joint sealants varies with temperature and humidity. The following times assume 75 degrees F, 50 percent relative humidity, and joints 1/2 inch wide by 1/4 inch.
        i. Skins: Within one hour.
        ii. Functional: Within three days.
        iii. Full Cure: Approximately one week.

1.04 INSPECTION

A. During execution of work, inspect work to ensure compliance with manufacturer's guidelines, these specifications when they exceed manufacturer's guidelines, the drawings, and good construction practice.

1. Refer to latest revision of ASTM C1521 for test methods and frequency.

2. Allow inspections of work and assist in testing requested by manufacturer's representative and architect/engineer.

B. Non-Compliant Work: If inspections reveal non-compliant work that was not installed per specifications, and/or manufacturer requirements, remove adjacent work until a location is reached where installation was performed properly. Assist in checking remainder of work.

1.05 CLEANING

A. Remove uncured sealant and joint filler with xylene, toluene, MEK, or other sealant manufacturer approved solvent.

B. Remove cured sealant by cutting with sharp-edged tool.

C. Remove thin films by abrading.

D. Remove debris related to application of sealants from project site per applicable regulations for hazardous waste disposal.

1.06 PROTECTION

A. Protect work from contaminating substances and damage resulting from other construction operations or other causes so that sealed joints are without deterioration or damage at time of project completion.

END OF SECTION

SECTION 099113
EXTERIOR PAINTING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:

1. Primers.
2. Finish coatings.
3. Sealers and paints.

B. Related Requirements:

1. Section 09 96 00 "High-Performance Coatings" for tilelike coatings.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product.

1. Include preparation requirements and application instructions.
2. Indicate VOC content.

1.4 MAINTENANCE MATERIAL SUBMITTALS

A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.

1. Paint Products: **5** percent, but not less than **1 gal.** of each material and color applied.

1.5 QUALITY ASSURANCE

A. Mockups: Apply mockups of each paint system indicated and each color and finish selected to verify selections made under Sample submittals, to demonstrate aesthetic effects, and to set quality standards for materials and execution.

1. Owner will select one surface to represent surfaces and conditions for application of each paint system.

a. Vertical and Horizontal Surfaces: Provide samples of at least 100 sq. ft..
b. Other Items: Owner will designate items or areas required.

2. Final approval of color selections will be based on mockups.

a. If preliminary color selections are not approved, apply additional mockups of additional colors selected by Owner at no added cost to Owner.

3. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Owner specifically approves such deviations in writing.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Store materials not in use in tightly covered containers in well-ventilated areas with ambient temperatures continuously maintained at not less than 45 deg F.

1. Maintain containers in clean condition, free of foreign materials and residue.
2. Remove rags and waste from storage areas daily.

1.7 FIELD CONDITIONS

A. Apply paints only when temperature of surfaces to be painted and ambient air temperatures are between 50 and 95 deg F.

B. Do not apply paints in snow, rain, fog, or mist; when relative humidity exceeds 85 percent; at temperatures less than 5 deg F above the dew point; or to damp or wet surfaces.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. The Sherwin Williams Company (Basis of Design)

B. BLP Mobile Paint, Theodore, AL

C. Source Limitations: Obtain each paint product from single source from single manufacturer.

2.2 PAINT PRODUCTS, GENERAL

A. Material Compatibility:

1. Provide materials for use within each paint system that are compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer based on testing and field experience.
2. For each coat in a paint system, provide products recommended in writing by topcoat manufacturer for use in paint system and on substrate indicated.

B. Colors: As selected by Owner from manufacturer's full range of color.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates and conditions, with Applicator present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work.

B. Maximum Moisture Content of Substrates: When measured with an electronic moisture meter as follows:
1. Concrete: 12 percent.
2. Fiber-Cement Board: 12 percent.
3. Masonry (Clay and Concrete Masonry Units): 12 percent.
4. Wood: 15 percent.
5. Portland Cement Plaster: 12 percent.
6. Gypsum Board: 12 percent.

C. Portland Cement Plaster Substrates: Verify that plaster is fully cured.

D. Verify suitability of substrates, including surface conditions and compatibility, with finishes and primers.

E. Proceed with coating application only after unsatisfactory conditions have been corrected.

1. Application of coating indicates acceptance of surfaces and conditions.

3.2 PREPARATION

A. Comply with manufacturer's written instructions applicable to substrates and paint systems indicated.

B. Remove hardware, covers, plates, and similar items already in place that are removable and are not to be painted. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and painting.

1. After completing painting operations, use workers skilled in the trades involved to reinstall items that were removed. Remove surface-applied protection.

C. Clean substrates of substances that could impair bond of paints, including dust, dirt, oil, grease, and incompatible paints and encapsulants.

1. Remove incompatible primers and reprime substrate with compatible primers or apply tie coat as required to produce paint systems specified in this Section.

D. Concrete Substrates: Remove release agents, curing compounds, efflorescence, and chalk. Do not paint surfaces if moisture content or alkalinity of surfaces to be painted exceeds that permitted in manufacturer's written instructions.

E. Masonry Substrates: Remove efflorescence and chalk. Do not paint surfaces if moisture content or alkalinity of surfaces or mortar joints exceeds that permitted in manufacturer's written instructions.

3.3 INSTALLATION

A. Apply paints in accordance with manufacturer's written instructions.

1. Use applicators and techniques suited for paint and substrate indicated.
2. Paint surfaces behind movable items same as similar exposed surfaces. Before final installation, paint surfaces behind permanently fixed items with prime coat only.
3. Do not paint over labels of independent testing agencies or equipment name, identification, performance rating, or nomenclature plates.
4. Primers may be omitted on items that are factory primed or factory finished if compatible with intermediate and topcoat coatings and acceptable to intermediate and topcoat paint manufacturers.

B. Tint undercoats same color as topcoat, but tint each undercoat a lighter shade to facilitate identification of each coat if multiple coats of same material are to be applied. Provide sufficient difference in shade of undercoats to distinguish each separate coat.

C. If undercoats or other conditions show through topcoat, apply additional coats until cured film has a uniform paint finish, color, and appearance.

D. Apply paints to produce surface films without cloudiness, spotting, holidays, laps, brush marks, roller tracking, runs, sags, ropiness, or other surface imperfections. Cut in sharp lines and color breaks.

3.4 FIELD QUALITY CONTROL

A. Dry Film Thickness Testing: Owner may engage the services of a qualified testing and inspecting agency to inspect and test paint for dry film thickness.

1. Contractor shall touch up and restore painted surfaces damaged by testing.
2. If test results show that dry film thickness of applied paint does not comply with paint manufacturer's written instructions, Contractor shall pay for testing and apply additional coats as needed to provide dry film thickness that complies with paint manufacturer's written instructions.

3.5 CLEANING AND PROTECTION

A. At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from Project site.
   1. Do not clean equipment with free-draining water and prevent solvents, thinners, cleaners, and other contaminants from entering into waterways, sanitary and storm drain systems, and ground.
   2. Dispose of contaminants in accordance with requirements of authorities having jurisdiction.
   3. Allow empty paint cans to dry before disposal.
   4. Collect waste paint by type and deliver to recycling or collection facility.

B. After completing paint application, clean spattered surfaces. Remove spattered paints by washing, scraping, or other methods. Do not scratch or damage adjacent finished surfaces.

C. Protect work of other trades against damage from paint application. Correct damage to work of other trades by cleaning, repairing, replacing, and refinishing, as approved by Owner, and leave in an undamaged condition.

D. At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces.

3.6 EXTERIOR PAINTING SCHEDULE

A. Concrete Substrates, Nontraffic Surfaces:

   1. Latex System

      a. Prime Coat: S-W Loxon Concrete & Masonry Primer, LX2W50
      b. Intermediate Coat: Matching topcoat.
      c. Topcoat: S-W Superpaint Exterior Latex, Flat (A80 Series) or Satin (A89 Series) or Gloss (A84 Series)

   2. Self-Cleaning Acrylic System

      a. Prime Coat: S-W Loxon Concrete & Masonry Primer, LX2W50
      b. Intermediate Coat: Matching topcoat.
      c. Topcoat: S-W Loxon Self-Cleaning Acrylic, Flat (LX13 Series) or Satin (LX14 Series)

B. Concrete Substrates, Traffic Surfaces:

1. Acrylic Floor Paint System

a. Prime Coat: Matching topcoat.
b. Intermediate Coat: Matching topcoat.
c. Topcoat: S-W Armorseal Tread-Plex Waterbased Acrylic Floor Coating, B90 Series)

2. Solvent-Based Pigmented Sealer System
a. Prime Coat: Matching topcoat.
b. Intermediate Coat: Matching topcoat.
c. Topcoat: S-W H&C Colortop Solvent Based Solid Color Concrete Sealer.

C. Concrete Masonry Unit Substrates:

1. Light Industrial Acrylic System:

a. Prime Coat: S-W Pro Industrial Heavy Duty Block Filler, B42W150
b. Intermediate Coat: Matching topcoat.
c. Topcoat: S-W Pro Industrial Acrylic Coating, EgShel B66-660, or Semi Gloss B66-650, or Gloss B66-600

2. High-Build Acrylic Waterproofing System: Dry film thickness of not less than 10 mils (0.25 mm).

a. Prime Coat: S-W Pro Industrial Heavy Duty Block Filler, B42W150
b. Intermediate Coat: As recommended in writing by topcoat manufacturer.
c. Topcoat: S-W Loxon XP Waterproofing Masonry Coating, Flat (LX11 Series) or Satin (LX21 Series)

D. Portland Cement Plaster Substrates:

1. Latex System

a. Prime Coat: S-W Loxon Concrete and Masonry Coating, LX2W50
b. Intermediate Coat: Matching topcoat.
c. Topcoat: S-W Superpaint Exterior Latex, Flat (A80 Series) or Satin (A89 Series) or Gloss (A84 Series)

2. High-Build Acrylic Waterproofing System: Dry film thickness of not less than 10 mils.

a. Prime Coat: S-W Loxon Concrete and Masonry Coating, LX2W50Intermediate Coat: Matching topcoat.
b. Intermediate Coat: As recommended in writing by topcoat manufacturer.
c. Topcoat: S-W Loxon XP Waterproofing Masonry Coating, Flat (LX11 Series) or Satin (LX21 Series)

3. Water-Based, Light Industrial Coating System

    a. Prime Coat: S-W Loxon Concrete and Masonry Coating, LX2W50
    b. Intermediate Coat: Matching topcoat.
    c. Topcoat: S-W Pro Industrial Acrylic Coating, EgShel B66-660, or Semi Gloss B66-650, or Gloss B66-600

END OF SECTION

SECTION 09 96 00
HIGH-PERFORMANCE COATINGS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes surface preparation and the application of high-performance coating systems on the following substrates:

1. Exterior Substrates:

    a. Concrete
    b. Concrete masonry units (CMU).
    c. Stucco surfaces.

B. Related Requirements:

1. Section 01 35 16 "Alteration Project Procedures" for general remodeling, renovation, repair and maintenance requirements.
2. Section 04 01 10 "Masonry Cleaning" for cleaning existing unit masonry surfaces.
3. Section 09 91 13 "Exterior Painting" for special-use coatings and general field painting.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product indicated. Include preparation requirements and application instructions.

1. Indicate VOC content

B. Product List: For each product indicated, include the following:

1. VOC content.

1.4 CLOSEOUT SUBMITTALS

A. Coating Maintenance Manual: Provide coating maintenance manual including area

summary with finish schedule, area detail designating location where each product/color/finish was used, product data pages, material safety data sheets, care and cleaning instructions, touch-up procedures, and color samples of each color and finish used.

1.5 MAINTENANCE MATERIAL SUBMITTALS

A. Furnish extra materials, from the same product run,] that match products installed and
that are packaged with protective covering for storage and identified with labels describing contents.

1. Paint: 1 gal. of each material and color applied.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Delivery and Handling: Deliver products to Project site in an undamaged condition in manufacturer's original sealed containers, complete with labels and instructions for handling, storing, unpacking, protecting, and installing. Packaging shall bear the manufacture's label with the following information:

1. Product name and type (description).
2. Batch date.
3. Color number.
4. VOC content.
5. Environmental handling requirements.
6. Surface preparation requirements.
7. Application instructions.

B. Store materials not in use in tightly covered containers in well-ventilated areas with ambient temperatures continuously maintained at not less than 45 deg F.

1. Maintain containers in clean condition, free of foreign materials and residue.
2. Remove rags and waste from storage areas daily.

1.7 FIELD CONDITIONS

A. Apply coatings only when temperature of surfaces to be coated and surrounding air temperatures are between 50 and 95 deg F.

B. Do not apply coatings when relative humidity exceeds 85 percent; at temperatures less than 5 deg F above the dew point; or to damp or wet surfaces.

C. Do not apply exterior coatings in snow, rain, fog, or mist.

D. Hazardous Materials: It is not expected that hazardous materials will be encountered in the Work.

1. If suspected hazardous materials are encountered, do not disturb; immediately notify Architect and Owner.

PART 2 - PRODUCTS

1.1 MANUFACTURERS

A. Basis-of-Design Product: Subject to compliance with requirements, provide Sherwin- Williams Company (The); products indicated or equal.

1. Sherwin Williams ArmorSeal 8100 Water Based Epoxy Floor Coating, or approved substitution prior to bidding

B. Comparable Products: Comparable products of approved manufacturers will be considered in accordance with Section 01 60 00 "Product Requirements," and the following:

1. Products are approved by manufacturer in writing for application specified.
2. Products meet performance and physical characteristics of basis of design product including published ratio of solids by volume, plus or minus two percent.
3. Source Limitations: Obtain paint materials from single source from single listed manufacturer. Manufacturer's designations listed on a separate color schedule are for color reference only and do not indicate prior approval.

1.2 HIGH-PERFORMANCE COATINGS, GENERAL

A. Material Compatibility:

1. Provide materials for use within each coating system that are compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience.
2. For each coat in a coating system, provide products recommended in writing by manufacturers of topcoat for use in coating system and on substrate indicated.
3. Provide products of same manufacturer for each coat in a coating system.

B. VOC Content: For field applications that are inside the weatherproofing system, paints and coatings shall comply with VOC content limits of authorities having jurisdiction and, for interior paints and coatings applied at Project site, the following VOC content limits, exclusive of colorants added to a tint base, when calculated according to 40 CFR 59, Subpart D (EPA Method 24):

1. Flat Paints and Coatings: 50 g/L.
2. Nonflat Paints and Coatings: 150 g/L.
3. Primers, Sealers, and Undercoaters: 200 g/L.
4. Anticorrosive and Antirust Paints Applied to Ferrous Metals: 250 g/L.
5. Floor Coatings: 100 g/L.
6. Shellacs, Clear: 730 g/L.
7. Shellacs, Pigmented: 550 g/L.

C. Low-Emitting Materials: Interior paints and coatings shall comply with the testing and product requirements of the California Department of Health Service's "Standard Practice for the Testing of Volatile Organic Chemical Emissions from Various Sources Using Small Scale Environmental Chambers."

D. Colors: As selected by Architect from manufacturer's full range of standard and custom colors. Maximum of (3) three colors shall be selected.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates and conditions, with Applicator present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work. Verify suitability of substrates, including surface conditions and compatibility with existing finishes and primers. Where acceptability of substrate conditions is in question, apply samples and perform in-situ testing to verify compatibility, adhesion, and film integrity of new paint application.

1. Report in writing conditions that may affect application, appearance, or performance of paint.

B. Substrate Conditions:

1. Maximum Moisture Content of Substrates: When measured with an electronic moisture meter as follows:

a. Concrete: 12 percent.

2. Plaster Substrates: Verify that plaster is fully cured.

C. Verify suitability of substrates, including surface conditions and compatibility, with existing finishes and primers.

D. Proceed with coating application only after unsatisfactory conditions have been corrected; application of coating indicates acceptance of surfaces and conditions.

3.2 PREPARATION

A. Comply with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual" applicable to substrates indicated.

B. ***Note: After demolition phase work, where existing plumbing or other items have been removed from existing surfaces to be re-finished, infill, patch, and repair any openings to match existing adjacent construction prior to prep & re-finishing work**.*

C. Remove hardware, covers, plates, and similar items already in place that are removable and are not to be painted. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and painting.

1. After completing painting operations, use workers skilled in the trades involved to reinstall items that were removed. Remove surface-applied protection.

D. Clean substrates of substances that could impair bond of coatings, including dust, dirt, oil, grease, and incompatible paints and encapsulants.

1. Remove incompatible primers and reprime substrate with compatible primers or apply tie coat as required to produce coating systems indicated.

E. Concrete Substrates: Remove release agents, curing compounds, efflorescence, and chalk. Do not coat surfaces if moisture content or alkalinity of surfaces to be coated exceeds that permitted in manufacturer's written instructions.

1. Clean surfaces with pressurized water. Use pressure range of 1500 to 4000 psi at 6 to 12 inches.
2. Abrasive blast clean surfaces to comply with SSPC-SP 7/NACE No. 4, "Brush-Off Blast Cleaning."

3.3 APPLICATION

A. Apply high-performance coatings according to manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual."

1. Use applicators and techniques suited for coating and substrate indicated.
2. Coat surfaces behind movable equipment and furniture same as similar exposed surfaces. Before final installation, coat surfaces behind permanently fixed equipment or furniture with prime coat only.
3. Coat back sides of access panels, removable or hinged covers, and similar hinged items to match exposed surfaces.
4. Do not apply coatings over labels of independent testing agencies or equipment

name, identification, performance rating, or nomenclature plates.

B. Tint each undercoat a lighter shade to facilitate identification of each coat if multiple coats of the same material are to be applied. Tint undercoats to match color of finish coat, but provide sufficient difference in shade of undercoats to distinguish each separate coat.

C. If undercoats or other conditions show through final coat, apply additional coats until cured film has a uniform coating finish, color, and appearance.

D. Apply coatings to produce surface films without cloudiness, spotting, holidays, laps, brush marks, runs, sags, ropiness, or other surface imperfections. Produce sharp glass lines and color breaks.

3.4 FIELD QUALITY CONTROL

A. Dry Film Thickness Testing: Owner may engage the services of a qualified testing and inspecting agency to inspect and test coatings for dry film thickness.

1. Contractor shall touch up and restore coated surfaces damaged by testing.
2. If test results show that dry film thickness of applied coating does not comply with coating manufacturer's written recommendations, Contractor shall pay for testing and apply additional coats as needed to provide dry film thickness that complies with coating manufacturer's written recommendations.

3.5 CLEANING AND PROTECTION

A. At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from Project site.

B. After completing coating application, clean spattered surfaces. Remove spattered coatings by washing, scraping, or other methods. Do not scratch or damage adjacent finished surfaces.

C. Protect work of other trades against damage from coating operation. Correct damage by cleaning, repairing, replacing, and recoating, as approved by Architect, and leave in an undamaged condition.

D. At completion of construction activities of other trades, touch up and restore damaged or defaced coated surfaces.

END OF SECTION

SECTION 131108.03
EPOXY ADHESIVES

PART 1 - GENERAL

1.1 SECTION INCLUDES

A. GENERAL:

1. The work includes furnishing all labor, materials, equipment, supervision, regulatory documentation, permits and services necessary to perform the requirements of this section
2. The contractor will inspect to ensure that all surfaces are prepared for the work included under this section.

B. PRODUCTS:

1. Epoxy adhesives
2. Epoxy crack repairs

C. COORDINATION:

1. All adhesive and crack repair materials used as a finished surface shall be color coordinated to adjacent surfaces

D. QUALITY

1. Material used shall be labeled for the application

1.2 BASIS FOR MATERIAL SELECTION

A. PRODUCTS: The products listed in Part 2 have been selected as a basis of design to ensure compatibility of materials. Equal products provided by a single manufacturer are acceptable upon pre-approval before bidding.

B. MANUFACTURER
450 East Copans Rd
Pompano Beach Fl, 33064
800.892.1880
Fax 800.362.3320
http://www.atcepoxy.com/

C. DATA: The manufacturer requires that all data sheets remain intact. These sheets are found attached at the end of this section.

1.3 WARRANTY

A. Manufacturers' warrantee shall apply

PART 2 - PRODUCTS

2.1 EPOXY ADHESIVE

A. AVAILABLE PRODUCTS:

1. UltraBond 4CC by Adhesive Technologies Corp. or equal

B. APPLICATION:

1. Anchoring inserts
2. Doweling of rebar

2.2 BONDING CONCRETE TO CONCRETE

A. AVAILABLE PRODUCTS:

1. Ultrabond 2000 for fast set applications by Adhesive Technologies Corp. or equal
2. Ultrabond 5100 for slow set damp applications by Adhesive Technologies Corp. or equal
3. Ultrabond 5000 for slow set applications by Adhesive Technologies Corp. or equal

B. APPLICATION:

1. Handicap accessible steps to existing concrete walls, bottom and adjacent steps

A. Available Products:

1. Crackbond SLV302 by Adhesive Technologies Corp. or equal

2.4 SMALL CRACK REPAIRS

A. Available Products:

1. Crackbond LR321 by Adhesive Technologies Corp. or equal
2. Cracks ranging from 1/8" to ¼" size

2.5 LARGER CRACK REPAIRS

A. Available Products:

1. Ultrabond 5100 for slow set damp applications by Adhesive Technologies Corp. or equal

2. Cracks larger than 1/4"

2.6 **CONCRETE VOID REPAIR**

A. Epoxy injection
B. Basis for design

1. Sikadur 52	Epoxy injection material
2. Sika 31 Hi Mod	Epoxy paste for injection ports and cracks between ports
3. Sida Fix HH	Urethane Injection for water seal

PART 3 - EXECUTION

3.1 **See manufacturer's information**

END OF SECTION

SECTION 13 11 09.07
POOL SURFACE PREPARATION

PART 1 - GENERAL

1.1 GENERAL:

A. This Contractor is referred to the General and Special Conditions of the Contract which shall form a part and be included in this section of the specification and shall be binding on this Contractor.

B. It is the intention of these specifications and drawings to call for finished work, tested and ready for the addition of a new surface. Whenever the work "provide" is used, it shall mean "furnish and install complete and ready for use".

C. The work includes furnishing all labor, materials, equipment, supervision, regulatory documentation, permits and services necessary to remove the existing surface and repair/prepare the substrate to receive the new coating material.

D. Requirements for handling and disposal of demolished material shall be shown elsewhere.

E. The pool consultant and the new coating manufacturer's technical representative will inspect the surface preparation work

F. The contractor will perform the draining, filling and balancing of the pool water to a Saturation Index between +0.2 and -0.2

G. The Contractor shall coordinate the work with the owner and other contractors affected by the work

H. Minor details not usually shown or specified, but necessary for the proper execution shall be included in the work, the same as if herein specified or shown.

I. Some items of equipment are specified in the singular; however, the Contractor shall provide and install the number of items or equipment as indicated on the drawings, and as required for complete systems.

1.2 SECTION INCLUDES:

A. Surface Preparation of

1. Existing specialty deck coatings
2. Existing painted surfaces

3. Existing epoxy coatings
4. Existing plaster coatings
5. Existing specialty plaster coatings
6. Existing concrete surfaces
7. New concrete surfaces

1.3 REFERENCED SECTIONS:

A. Section 131105 Structural Demolition

1.4 WARRANTY

A. Warranty for bonding of all materials to the existing substrate shall be 5 years from acceptance by the owner.

B. Warranty that the new surface will remain intact along adjacent surface components for 5 years from acceptance by the owner.

PART 2 - PRODUCTS

2.1 NOT REQUIRED

PART 3 - EXECUTION

3.1 EQUIPMENT

A. Equipment used for the procedure selected shall be
   1. Compatible with all job site regulatory and safety standards.
   2. Compatible with all existing utility requirements.

3.2 METHODS

A. DETERGENT SCRUBBING

   1. CHEMICAL
      a. Alkaline detergent solution as required to remove oil, grease, buildup and loose dirt

   2. Equipment
      a. Machine surface scrubbing equipment
      b. Cleaning hand tools
      c. Surface rinsing equipment
      d. Equipment for the removal of spent materials and debris
      e. Personal safety equipment

B. ACID ETCHING

1. CHEMICAL
    a. Hydrochloric acid

2. EQUIPMENT
    a. Machine surface scrubbing equipment
    b. Cleaning hand tools
    c. Surface rinsing equipment
    d. Equipment for the removal of spent materials and debris
    e. Personal safety equipment

C. MECHANICAL SCARIFICATION

1. Shot blasting
    a. Materials available includes steel, glass, sand or organic materials
    b. Wheel blast technology shall be considered
    c. Post shot blast clean up
2. Submit for review

D. WATER JETTING

1. High pressure range up to 5,000 psi
2. Ultra high pressure from 5,000 psi to 40,000 psi

3.3 EXAMINATION

A. Determine the manufacturer's surface profile (Concrete Surface Profile CPS value) required for the new coating
B. Determine the contaminants to be removed
C. Determine the condition of the substrate
D. Select the means and materials for the removal of the contaminants
E. Select the means and materials for the removal of non-durable concrete
F. Select the materials for the post removal substrate repair as needed
G. Determine the residual materials used for surface preparation

3.4 DISPOSAL

A. Determine the materials being use for the removal of the surface material
B. Determine the residual materials used for surface preparation
C. Determine the method of disposal

3.5 SUBMITTAL

A. Submit for review findings and selection of the processes in 3.1, 3.2 and 3.3 above

3.6 TESTING

A. Review relevant specification sections and drawings
B. Surface pH test
   1. Wet surface with distilled water
   2. Test the wet surface with pH paper
   3. If pH is 10 or lower additional surface preparation will be required
   4. If the contaminants cannot be removed then submit details for an oil tolerant epoxy system.
C. MOISTURE VAPOR TRANSMISSION
   1. ASTM-F-1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride.
   2. ASTM-F-2170 Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using In-Situ Probes.
   3. ASTM-D-4263 Standard Test Method for Indicating Moisture in Concrete by the Plastic Sheet Method. This test is only an indication and should not be used to determine moisture migration.
D. SURFACE PROFILE
   1. Surface CSP value required after consulting with the manufacturer of the finished surface to be applied
   2. Surface CSP value test as required by the manufacturer of the finished surface material

3.7 RELATED ASTM STANDARDS FOR SURFACE PREPARATION

A. ASTM-D-4258 Standard Practice for Surface Cleaning Concrete for Coating
B. ASTM-D-4259 Standard Practice for Abrading Concrete
C. ASTM-D-4260 Standard Practice for Acid Etching Concrete
D. ASTM-D-4261 Standard Practice for Surface Cleaning Concrete Unit Masonry for Coating
E. ASTM-D-4262 Standard Test Method for Ph of Chemically Cleaned or Etched Concrete Surfaces
F. ASTM-C-811 Standard Practice for Surface Preparation of Concrete for Application of Chemical Resistant Resin Monolithic Surfacing
G. ASTM-E-1575- 18 Standard Practice for Pressure Water Cleaning and Cutting

3.8 POOL STRUCTURAL REPAIR:

A. STANDARDS

   1. ICRI 03730 Guide for Surface Preparation for the Repair of Deteriorated Concrete Resulting from Reinforcing Steel Corrosion
   2. ICRI 03730 Guideline for Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings and Polymer Overlays.
   3. ACI 546R-04 Concrete Repair Guide

B. SUBSTRATE PREPARATION PER MATERIAL MANUFACTURER'S GUIDELINES

C. REINFORCING MATERIAL

1. Exposed reinforcing steel is to be mechanically cleaned of all rust and other contaminants in accordance with ICRI 03732.
2. Prime the steel with ARDEX Bonding and Anti-Corrosion Agent or equal product provided or recommended by the finished coating manufacturer
3. Dormant cracks and joints greater than 1/16" shall be filled with a joint-filler as provided by the finished coating manufacturer.

3.9 DETERGENT SCRUBBING

A. PURPOSE: Surface preparation for acid etching, application of sealers, surface hardeners or adhesive bonding.

B. LIMITATION of WORK: Limited to the removal of water soluble or detergent-emulsifiable contaminants such as loose debris, superficial removal of oil, grease, organic or inorganic residues, some acrylic, wax, or rubber membranes, rust, and other oxidation deposits from concrete surfaces. Absorbed fluids such as oils and grease may require several treatments to achieve acceptable results. Holes and open pores at the surface may be scrubbed to a depth of 6 to 10 mils.

C. PROFILE

1. Per ICRI CSP 1-10 provide a clean surface devoid of oil, grease, buildup and loose debris without altering the surface texture or appearance.
2. If etching is required by the coating manufacturer then the surface shall be cleaned to allow for the chemical etching process

D. MECHANICAL SCRUBBING

1. Machine scrubbing on open or confined horizontal and/or vertical surfaces
2. Equipment example
   a. For vertical surfaces Karcher International Model BD 175C with brush stiffness needed for cleaning the surface
   b. For horizontal surface use automatic scrubbing machine or single disc machine
   c. Equal equipment acceptable.

E. RINSE

1. Low pressure (less than 5,000 psi) shall be used to rinse the cleaning chemical, sludge and loose debris from all surfaces.
2. The process shall not produce any measureable removal of sound concrete surface

F. STANDARDS

1. Visual inspection shall show no dirt, oil, grease or debris
2. The prepared surface shall be free of bond-inhibiting barriers
3. The prepared surface shall able to accepted the proposed coating application
4. Gloss meter or slip tester/traction recorder. See Section 13 11 04
5. A test area shall be hand scrubbed using the same chemical solution. Recovered solution shall be clear

G. SUBMITTAL

1. Coating manufacturer's instructions for preparation of the surface type to receive the coating

    a. MSDS Sheets for the chemical cleaner(s) to be used
    b. List of equipment to be used
    c. Process of using the cleaner(s) and equipment

2. ENVIRONMENTAL

    a. Containment, disposal and/or special handling of cleaning materials, sludge and debris
    b. See Section 13 11 05

3. SAFETY

    a. Submit OSHA required personal protective equipment per MSDS sheets
    b. Submit emergency plan for evacuation of the work space and adjacent spaces

3.10 ACID ETCHING

A. PURPOSE: Remove cement from the surface and pores of the concrete exposing the fine aggregate of the concrete to allow for the application of sealers or thin-film epoxy, urethane, acrylic and alkyd coatings. Typical depth of removal shall be 4 to 10 mils

B. EXAMINATION: Ensure that the concrete aggregate shall not be affected by the acid solution

C. LIMITATION of WORK:

1. Limited to the removal of cement materials at the surface of the concrete and dislodging slight traces of oils, grease or dirt remaining after the final rinse of a detergent scrubbing.
2. Concrete shall be greater than six weeks (completely cured).
3. Shall not be used on metallic hardened surfaces

D. CHEMICAL

4. Hydrochloric acid
5. Control solution strength and volume to limit the depth of the chemical attack to not greater than 10 mils

E. PROFILE

1. Per ICRI CSP 1- 3

   a. Provide a clean, dull even appearance surface with no noticeable patterns
   b. Texture similar to 120 grit sandpaper
   c. Devoid of oil, grease, buildup and loose debris

F. PROTECTION

1. Review the MSDS sheet for hydrochloric acid
2. Make provisions to protect all other surfaces from fumes and direct contact with the hydrochloric acid
3. Interior applications require special preparation for air handling systems, other mechanical, plumbing and building components
4. Store the acid separate from the cleaning solution chemical(s)
5. Exhaust of fumes shall require safety provisions

G. TYPICAL PROCESS

1. Thoroughly wet the concrete surface ensuring that no standing water remains
2. Apply the mixed solution uniformly over the surface at an approximate rate of 100 ft^2 per gallon
3. Agitate the acid solution with stiff bristle brush or power brush for 5 to 10 minutes not allowing the surface to dry
4. Rinse with clean water at building water pressure or use a pressure washer not to exceed 1,000 psi
5. Vacuum residue
6. Scrub with an alkaline detergent and vacuum residue to remove the etching debris
7. Rinse with clean water at building water pressure or use a pressure washer not to exceed 1,000 psi
8. Vacuum residue
9. Allow the surface to dry.

H. STANDARDS

1. Compare all observations to the coating manufacturer's requirements.
2. Visual inspection shall show a fine grained surface profile with no white residue, dirt or debris
3. Check the surface using a moisture meter
4. Check the surface pH

5. The surface shall be free of bond-inhibiting barriers and debris
6. The prepared surface shall able to accepted the proposed coating application

I. SUBMITTAL

1. Coating manufacturer's instructions for preparation of the surface type to receive the coating

    a. MSDS Sheets for the acid to be used
    b. List of equipment to be used
    c. Process of using the etching acid and equipment

2. Environmental

    a. Containment, disposal and/or special handling of cleaning materials, sludge and debris
    b. See Section 13 11 05

3. Safety

    a. Submit OSHA required personal protective equipment per MSDS sheets
    b. Submit emergency plan for evacuation of the workspace and adjacent spaces.

END OF SECTION

SECTION 131110.01
POOL SIGNAGE

NOTE: REPLACE SIGNAGE AROUND THE POOL FOR WATER DEPTH.

PART 1 - GENERAL

1.1 SECTION INCLUDES

A. GENERAL:
1. The work includes furnishing all labor, materials, equipment, supervision, regulatory documentation, permits and services necessary to perform the requirements of this section
2. The contractor will inspect to ensure that all surfaces are prepared for the work included under this section.
3. Signage shall comply with all requirements of all authorities having jurisdiction

B. PRODUCTS:

1. Pool Signs
2. Pool Safety Equipment

C. COORDINATION:
1. Mounting surface has been prepared

D. QUALITY
1. Specified materials selected shall meet the operational requirements for the pool

1.2 WARRANTY

A. Manufacturers' warranty shall apply

PART 2 - PRODUCTS

2.1 SIGNAGE FOR POOLS, SPAS and SPECIALTY POOLS

A. Materials of fabrication for all signs
1. Surface-mount sign black print on a white substrate
2. Suitable for indoor or outdoor applications
3. Ambient temperature range from -40° F to 180° F.
4. UV - stable ink
5. Enamel-coated aluminum
6. UV, chemical, abrasion and moisture resistant
7. Aluminum signs have 0.20 in mounting holes in each corner
8. Mounting anchor and hardware shall be stainless steel.

B. Materials for Signs and Mounting Signs
1. Non-corrosive.

2. Meets or exceeds all jurisdictional rules
   a. Letter/number height and font
   b. Contrasting letters/numbers to a light background
3. Aesthetically acceptable to the owner

C. A "Pool Rules" sign
1. Minimum of 1" letter/number text height.
2. Black ink with white background
3. Block font, no underlines, all capital letters
4. Sign shall be posted at each access point of the pool area
5. Sign must include the following items.
   a. Swimming is permitted only while lifeguards are present and on duty.
   b. Children under 10 years of age must be accompanied by an adult 18 years of age or over.
   c. All children who are not toilet-trained must have a swim diaper and a bathing suit and/or plastic pants.
   d. Running, rough play, horseplay, dunking, and/or throwing children is not allowed. Inappropriate language will not be tolerated.
   e. Excessive breath-holding and breath-holding games are prohibited.
   f. Before entering the pool, patrons must shower with soap and rinse.
   g. Glass containers, food, drinks, gum, animals, tobacco products, alcohol, drugs, and firearms are prohibited from MPRD pool decks and locker rooms.
   h. Children less than 4 ft. tall must be accompanied by a parent, guardian, or instructor IN THE WATER unless the swimmer has demonstrated he/she could pass a deep end test each time the child attends the pool.
   i. Persons with rashes, open wounds or sores are not allowed in the water.
   j. Appropriate swim attire is required: lined swimsuits and trunks only. (No jeans or cut-offs.)
   k. No climbing, hanging, or tampering with lane lines, lifeguard, or facility equipment.
   l. Only one person is on a ladder at a time.
   m. Lifeguards must approve all toys and flotation devices – SCUBA and other large equipment are prohibited.
   n. Diving is only allowed in designated areas. Flips, twists, and backward jumps are not allowed.
   o. MPRD is not responsible for any lost or stolen items.
   p. Lightning Policy – The pool will require immediate closure of all pools in the event that lightning or thunder is present in or around the area. The pools will remain closed until 30 minutes past the last visible lightning strike or episode of thunder. 4 minutes reset if additional lightning or thunder is seen or heard.
   q. The lifeguard is the authority in the pool and locker rooms. Failure to comply with the rules may result in dismissal from the pool and locker room areas.
   r. Jewelry should not be worn in the pool.
6. Final configuration of the signage to meet all requirements for the local authority having jurisdiction (typically the health department).

D. Provide "CHILDREN SHOULD NOT USE THE SWIMMING POOL WITHOUT ADULT SUPERVISION" signs
   1. Minimum of 4" letter/number text height.
   2. Black ink with white background
   3. Block font, no underlines, all capital letters
   4. Sign shall be posted at each access point of the pool area

E. Provide one "EMERGENCY TELEPHONE" information sign
   1. Minimum of 4" letter/number height
   2. Black ink with white background
   3. Block font, no underlines, all capital letters
   4. Sign shall be posted adjacent to the emergency telephone
   5. Sign information includes
      a. Dialing instructions for 911
      b. Telephone number for the location of the pool
      c. Complete address for the location of the pool

F. Provide "POOL CLOSED" sign(s)
   1. Minimum of 4" letter/number height
   2. Black ink with white background
   3. Block font, no underlines, all capital letters
   4. One sign for each entrance to the pool area.
   5. Provisions to be made for temporary mounting each sign. Materials used for mounting shall be non corrosive
   6. Placement to be visible from outside of the natatorium or pool fence

PART 3 - **EXECUTION**

3.1 Confirm all mounting surfaces conditions to receive the signage mounting.

3.2 Clean up all mounting debris. Repair mounting surfaces as required using the same finish materials original used.

Drawings

1. John Kidd Park
2. Figures Park & Community Center (Gorgas Park)
3. Joseph C. Dotch Community Center
4. Hillsdale Park & Community Center

Record Drawings

BATH HOUSE AND SWIMMING POOL

FOR

KIDD PARK

EAST STREET

MOBILE, ALABAMA

COMMISSIONERS

Gary A. Greenough

Robert B. Doyle Jr.

Lambert C. Mims

Michael A. Guarino City Arch. Engineer

CITY ARCH. ENGR. _____

INSPECTION SERVICES _____

_____

_____

NEIGHBORHOOD CIVIC GROUP _____

_____

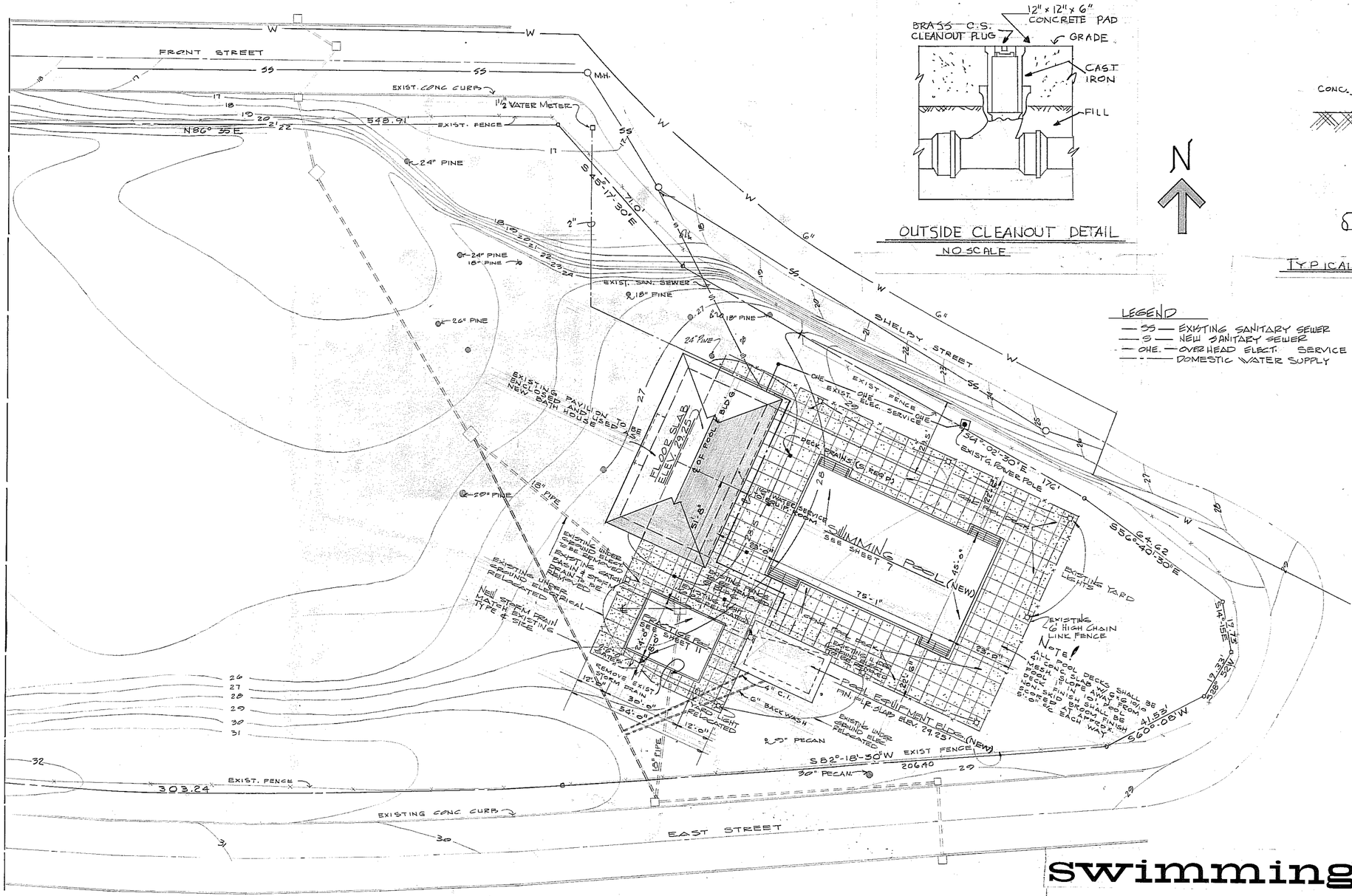
D. E. BRITT ASSOCIATES INC.

CONSULTING ENGINEERS

433 BEL AIR BLVD MOBILE, ALABAMA

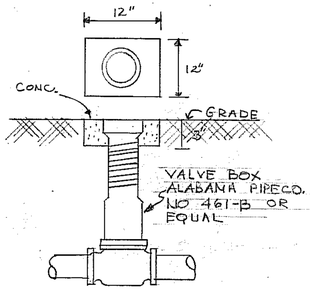
SET Nº ____

Record Drawings



SITE PLAN
SCALE 1" = 20'-0"

OUTSIDE CLEANOUT DETAIL
NO SCALE



TYPICAL OUTSIDE VALVE BOX
NO SCALE

N

LEGEND
— SS — EXISTING SANITARY SEWER
— S — NEW SANITARY SEWER
— OHE. — OVER HEAD ELECT. SERVICE
— - — DOMESTIC WATER SUPPLY

LEGEND
- FINISH CONTOURS
- EXISTING CONTOURS TO REMAIN
- PROPERTY LINE
- FINISH SPOT GRADES 100.0

swimming pool and additions for kidd park for the city of mobile

D. E. BRITT ASSOCIATES
CONSULTING ENGINEERS
433 BEL AIR BLVD MOBILE, ALABAMA

SWIMMING POOL AND ADDITIONS FOR KIDD PARK EAST STREET CITY OF MOBILE

ALABAMA REGISTERED No. 4790 ENGINEER M. E. LACY

D. E. BRITT ASSOCIATES, INC.
433 BEL AIR BOULEVARD, SUITE J
MOBILE, ALABAMA 36606

STATE OF ALABAMA REGISTERED ARCHITECTS MOBILE ALABAMA

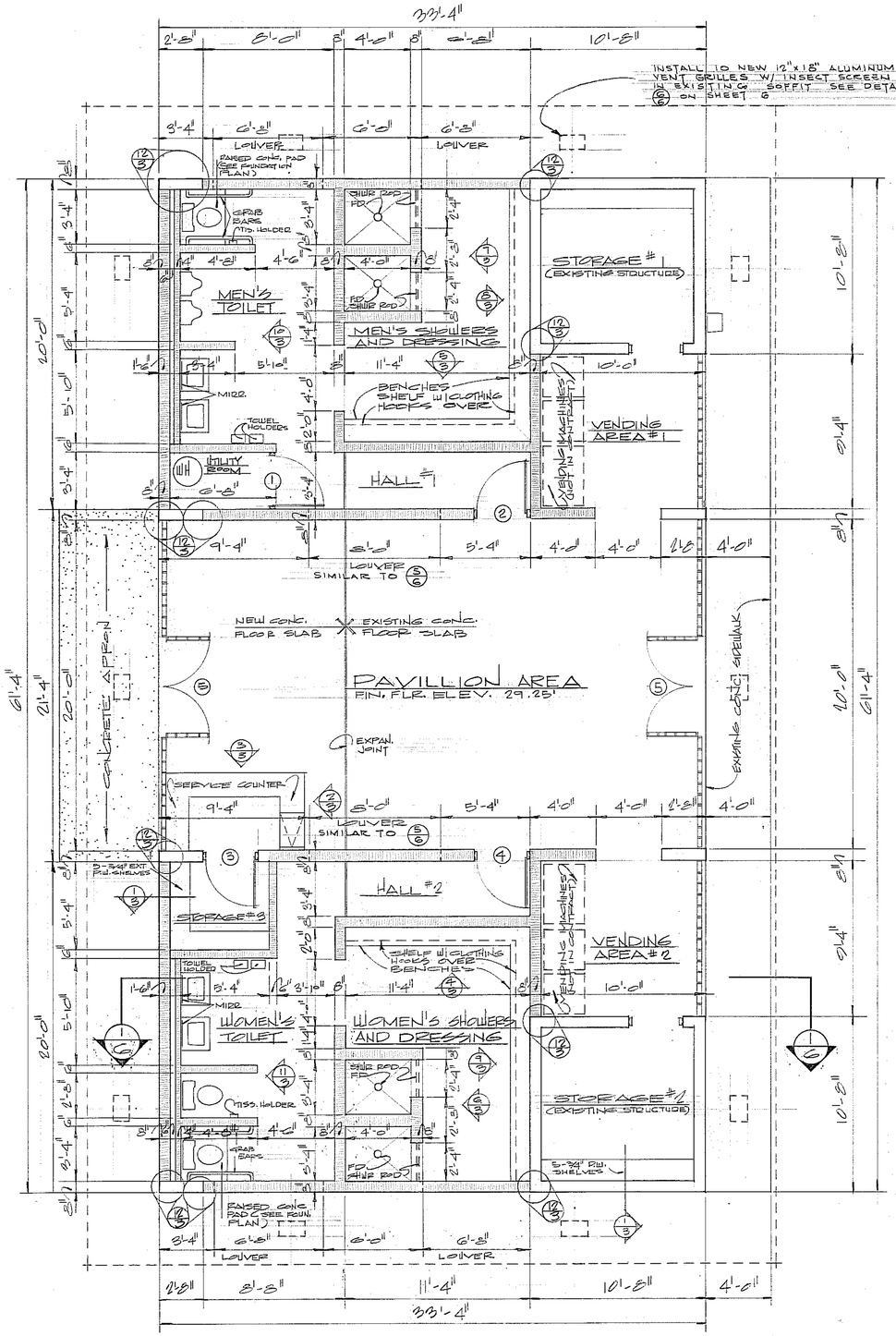
JOB No. 7302-C
DRAWN BY: SD BK.
CHECKED BY: HM&
REVISED: T.H.A.
DATE: 3 SEPT 74
SHEET 1 OF 15

room finish schedule

ROOM TITLE	FLOOR MATERIAL	BASE	WALL MATERIAL	CEILING MOULD	CEILING MATERIAL	REMARKS
POOL EQUIPMENT HOUSE AND CHLORINATION ROOM	EXPOSED CONCRETE	NONE	CONCRETE BLOCK	NONE	EXPOSED STRUCTURE	DRAWINGS ON SHEET 5
PAVILION AREA	EXPOSED CONCRETE – EPOXY	NONE	GRILLE/CONC. BLOCK – EPOXY	3/4" x 1 1/2" WOOD W/ EPOXY	EXISTING	
STORAGE #3	EXPOSED CONCRETE – EPOXY	NONE	CONCRETE BLOCK – EPOXY	3/4" x 1 1/2" WOOD W/ EPOXY	EXISTING	
MEN'S & WOMEN'S TOILET	EXPOSED CONCRETE – EPOXY	NONE	CONCRETE BLOCK – EPOXY	3/4" x 1 1/2" WOOD W/ EPOXY	EXISTING	
MEN'S SHOWER AND DRESSING	EXPOSED CONCRETE – EPOXY	NONE	CONCRETE BLOCK – EPOXY	3/4" x 1 1/2" WOOD W/ EPOXY	EXISTING	
WOMEN'S SHOWER AND DRESSING	EXPOSED CONCRETE – EPOXY	NONE	CONCRETE BLOCK – EPOXY	3/4" x 1 1/2" WOOD W/ EPOXY	EXISTING	
VENDING AREA #1 & #2	EXPOSED CONCRETE – EPOXY	NONE	CONCRETE BLOCK – EPOXY & GRILLE	3/4" x 1 1/2" WOOD W/ EPOXY	EXISTING	
HALL #1 & #2	EXPOSED CONCRETE EPOXY	NONE	CONCRETE BLOCK – EPOXY	3/4" x 1 1/2" WOOD W/ EPOXY	EXISTING	
STORAGE #1 & #2	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
UTILITY ROOM	EXPOSED CONCRETE – EPOXY	NONE	CONCRETE BLOCK – EPOXY	3/4" x 1 1/2" WOOD W/ EPOXY	EXISTING	

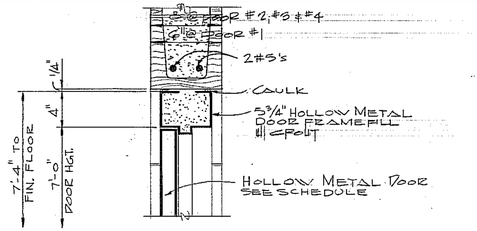
door schedule

SYMBOL	SIZE	DESCRIPTION
1	3'-0" x 7'-0" x 1 3/4"	FLUSH HOLLOW METAL
2	3'-0" x 7'-0" x 1 3/4"	FLUSH HOLLOW METAL
3	3'-0" x 7'-0" x 1 3/4"	FLUSH HOLLOW METAL
4	3'-0" x 7'-0" x 1 3/4"	FLUSH HOLLOW METAL
5	2'-2" x 9'-4" x 2"	3/16" x 8" STEEL – MATCH GRILLE (SEE EXTERIOR ELEVATIONS)
6	PR. 4'-0" x 7'-0" x 1 3/4"	HOLLOW METAL W/ CHEVRON LOUVERS & METAL FRAME (SEE ELEVATION SHT #5)
7	3'-0" x 7'-0" x 1 3/4"	HOLLOW METAL W/ CHEVRON LOUVERS



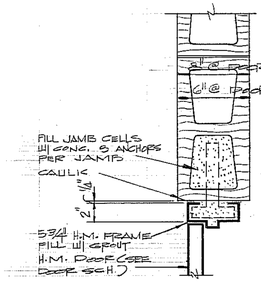
FLOOR PLAN

SCALE 1/4" 1'-0"



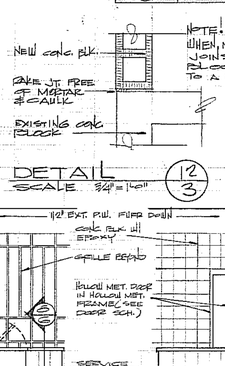
(13/3) TYPICAL DOOR HEAD

SCALE 1 1/2" = 1'-0"



(14/3) TYPICAL DOOR JAMB

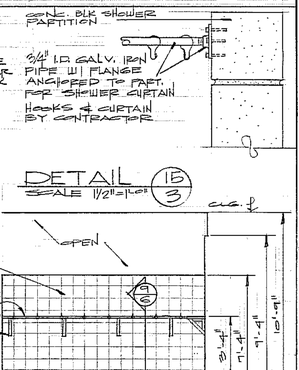
SCALE 1 1/2" = 1'-0"



NOTE: WHERE NEW CONCRETE BLOCK JOINS EXISTING CONCRETE BLOCK RAKE OUT MORTAR TO A DEPTH OF 1/2" & CAULK

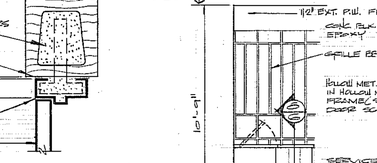
DETAIL (12/3)

SCALE 3/4" = 1'-0"



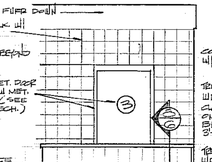
DETAIL (15/3)

SCALE 1 1/2" = 1'-0"



(5/3) SERVICE COUNTER

SCALE 1/4" = 1'-0"



(3/3) SERVICE COUNTER

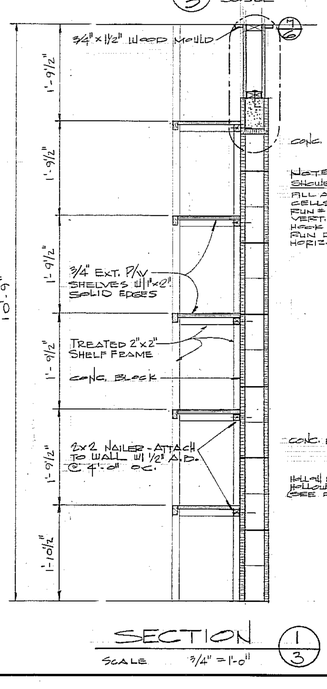
SCALE 1/4" = 1'-0"

(4/3) WOMEN'S SHOWERS & DRESSING

SCALE 1/4" = 1'-0"

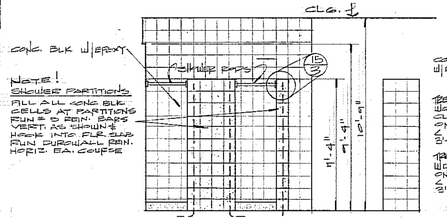
(9/3) MEN'S SHOWERS & DRESSING

ELEVATION SAME BUT OPPOSITE HAND



SECTION (1/3)

SCALE 3/4" = 1'-0"



(6/3) WOMEN'S SHOWER & DRESSING

SCALE 1/4" = 1'-0"

(7/3) MEN'S SHOWER & DRESSING

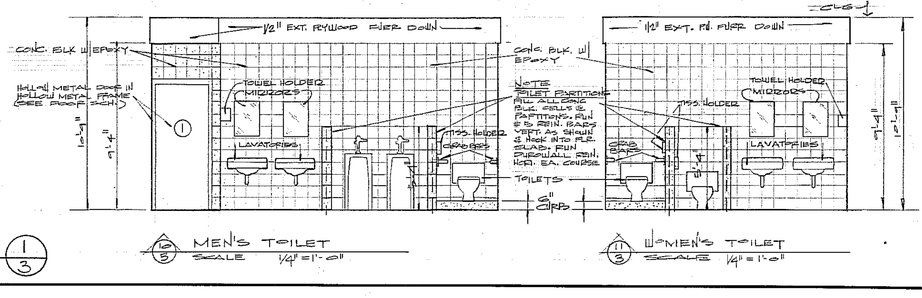
ELEVATION SAME BUT OPPOSITE HAND

(5/3) MEN'S SHOWER & DRESSING

SCALE 1/4" = 1'-0"

(8/3) WOMEN'S SHOWER & DRESSING

ELEVATION SAME BUT OPPOSITE HAND



(6/3) MEN'S TOILET

SCALE 1/4" = 1'-0"

(11/3) WOMEN'S TOILET

SCALE 1/4" = 1'-0"

Record Drawings

H. D. BRITT ASSOCIATES
CONSULTING ENGINEERS
MOBILE, ALABAMA
433 BEL AIR BLVD

SWIMMING POOL ADDITIONS AND ALTERATIONS FOR KIDD PARK
EAST STREET
CITY of MOBILE

ALABAMA REGISTERED No. 4790 ENGINEER R. L. CLAY

JOB NO

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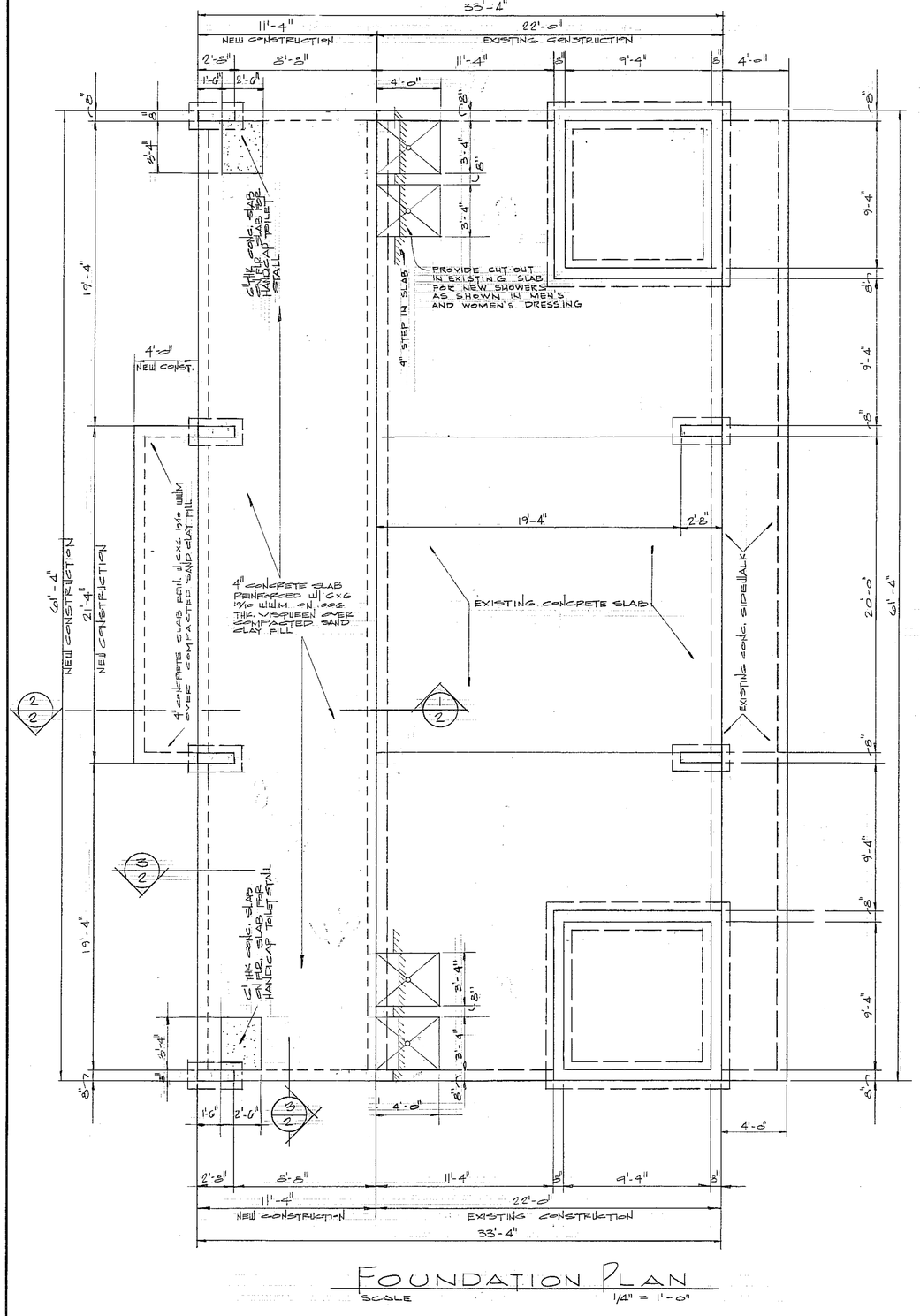
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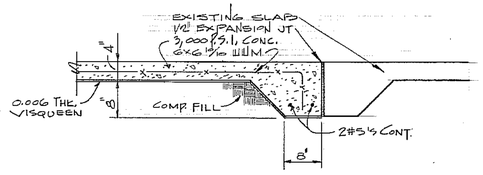
DATE 3 SEPT 74

SHEET 2 OF 15

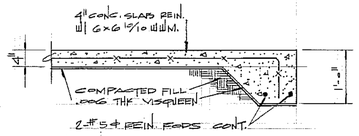
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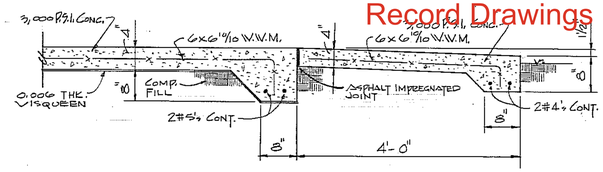
FOUNDATION PLAN
SCALE 1/4" = 1'-0"



SECTION 1/2
SCALE 3/4" = 1'-0"



SECTION 3/2
SCALE 3/4" = 1'-0"



SECTION 2/2
SCALE 3/4" = 1'-0"

GENERAL NOTES

REINFORCING STEEL SHALL BE OF NEW BILLET STEEL, MEETING A.S.T.M. A-615 GRADE 40 LATEST AND DEFORMED IN ACCORDANCE WITH A.S.T.M. A-305 LATEST. STEEL SHALL BE CLEANED, FREE FROM OIL, SCALE AND RUST. STEEL SHALL BE BENT, LAPPED, AND PLACED IN ACCORDANCE WITH A.C.I. STANDARDS AND SPECIFICATIONS.

CONCRETE SHALL BE A MIX DESIGNED BY A RECOGNIZED TESTING LABORATORY TO ACHEIVE A STRENGTH OF 3,000 P.S.I. WITH A PLASTIC AND WORKABLE MIX.

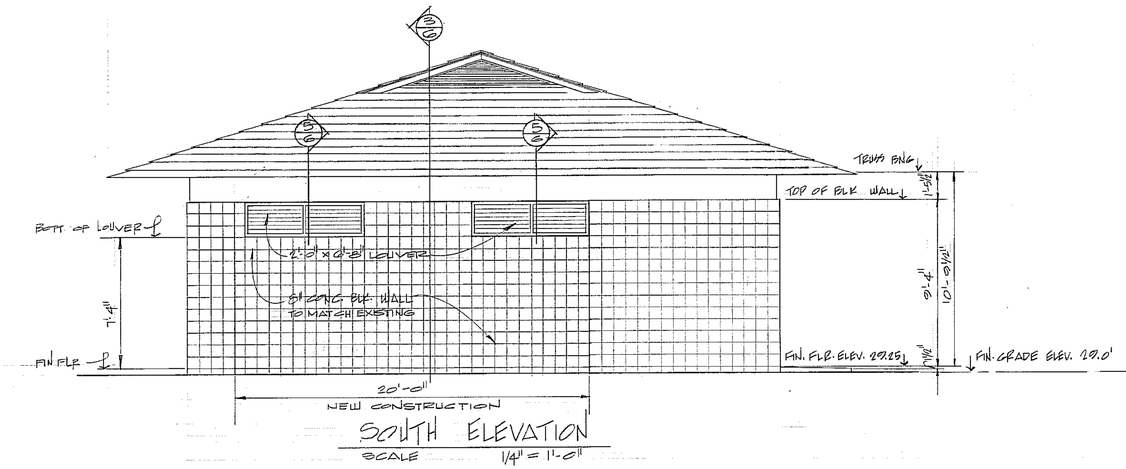
D. E. BRITT ASSOCIATES
CONSULTING ENGINEERS
433 BEL AIR BLVD
MOBILE, ALABAMA

SWIMMING POOL AND ADDITIONS FOR KIDD PARK
EAST STREET
CITY of MOBILE

ALABAMA REGISTERED No. 4790 ENGINEER R. L. LACY

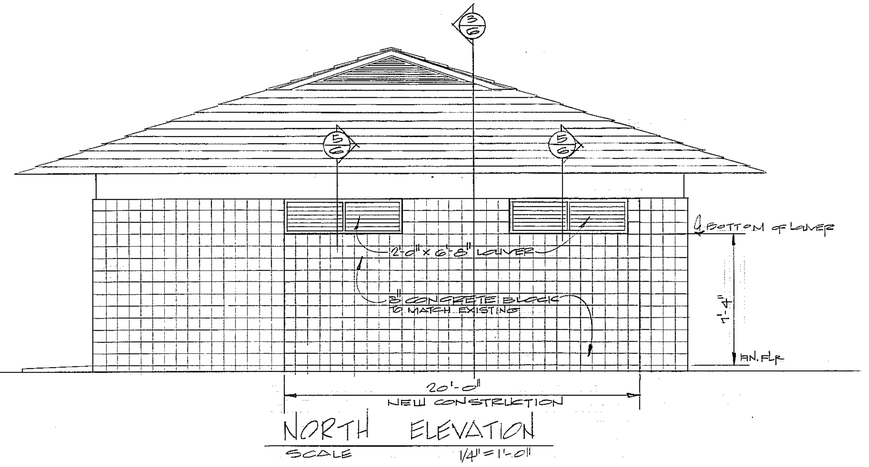
JOB NO 455
DRAWN BY SD
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REVISED
DATE 3 SEPT 74
SHEET 3 OF 15

Record Drawings



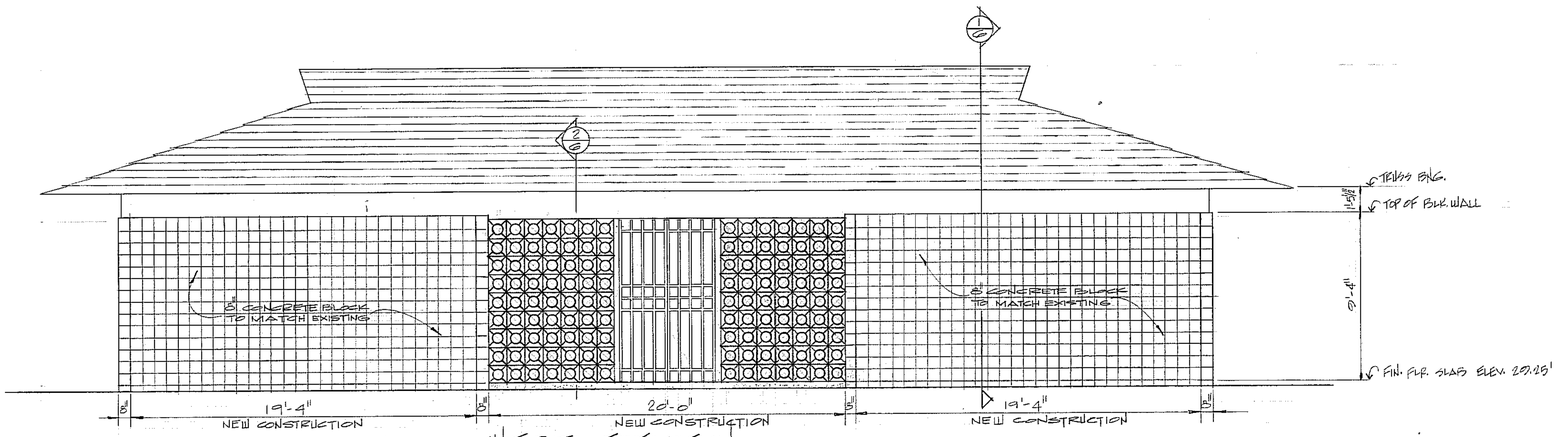
SOUTH ELEVATION

SCALE 1/4" = 1'-0"



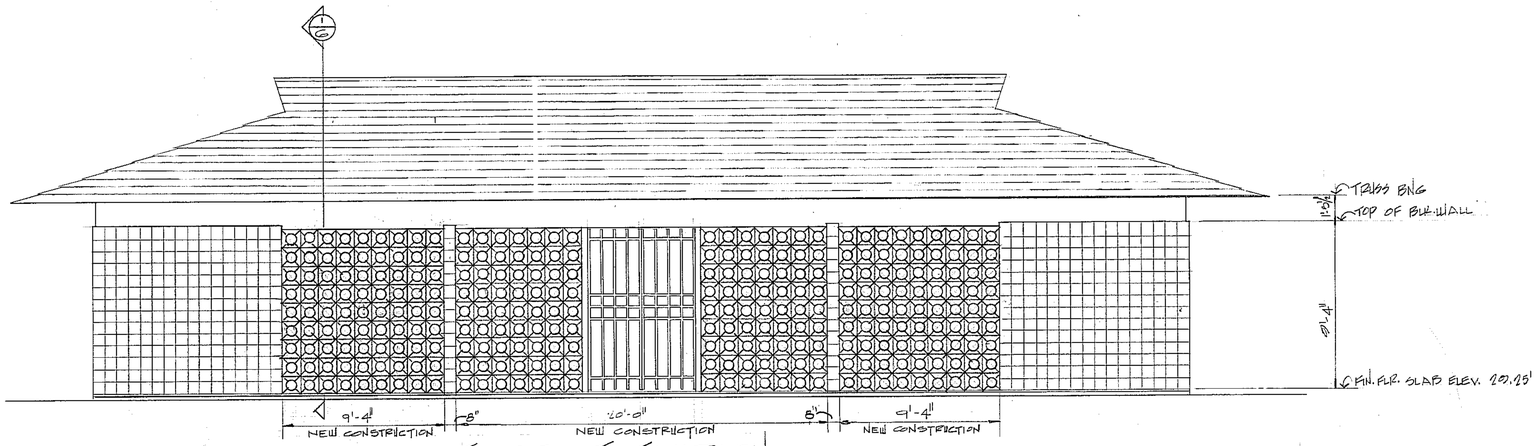
NORTH ELEVATION

SCALE 1/4" = 1'-0"



WEST ELEVATION

SCALE 1/4" = 1'-0"



EAST ELEVATION

SCALE 1/4" = 1'-0"

R. D. E. BRITT ASSOCIATES
CONSULTING ENGINEERS
433 BEL AIR BLVD
MOBILE, ALABAMA

SWIMMING POOL AND ADDITIONS FOR KIDD PARK EAST STREET CITY of MOBILE

ALABAMA REGISTERED No. 4790 ENGINEER R. R. LACY

JOB NO 455

DRAWN BY S.D.

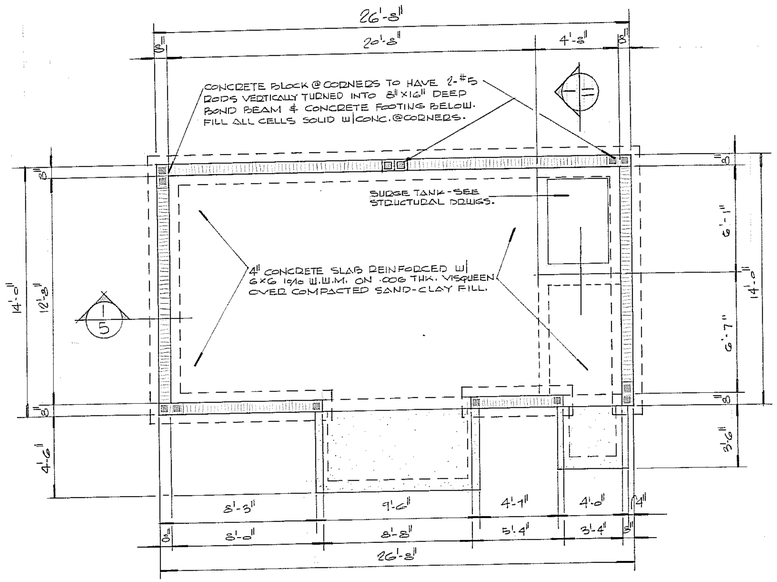
CHECKED RRL

REVISED

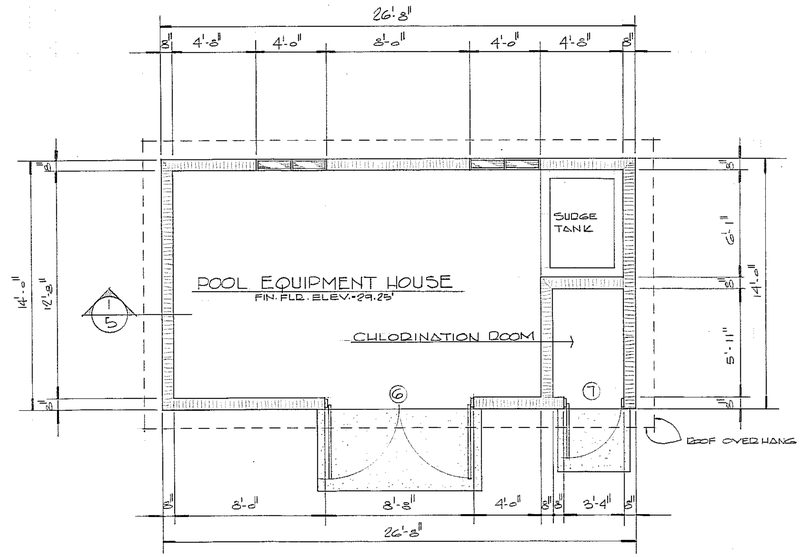
DATE 3 SEPT 74

SHEET 4 OF 15

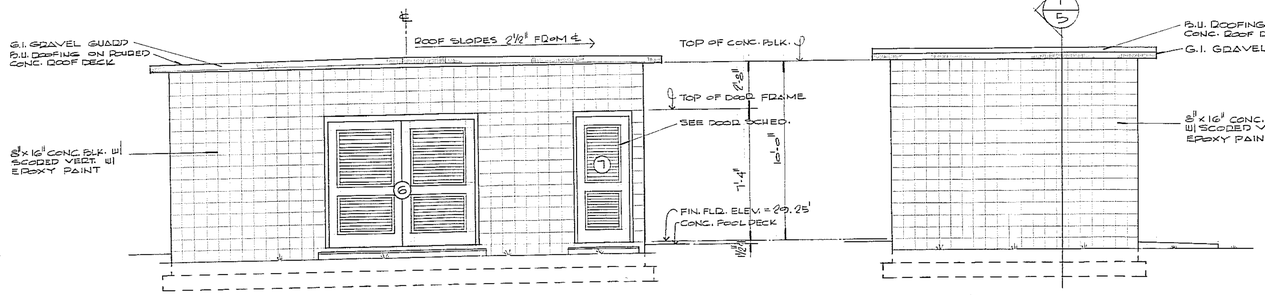
Record Drawings



FOUNDATION PLAN
SCALE 1/4" = 1'-0"

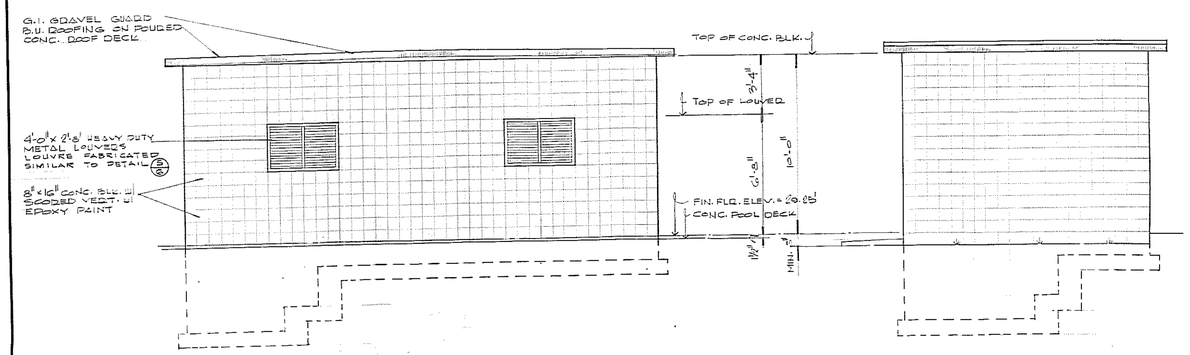


FLOOR PLAN
SCALE 1/4" = 1'-0"



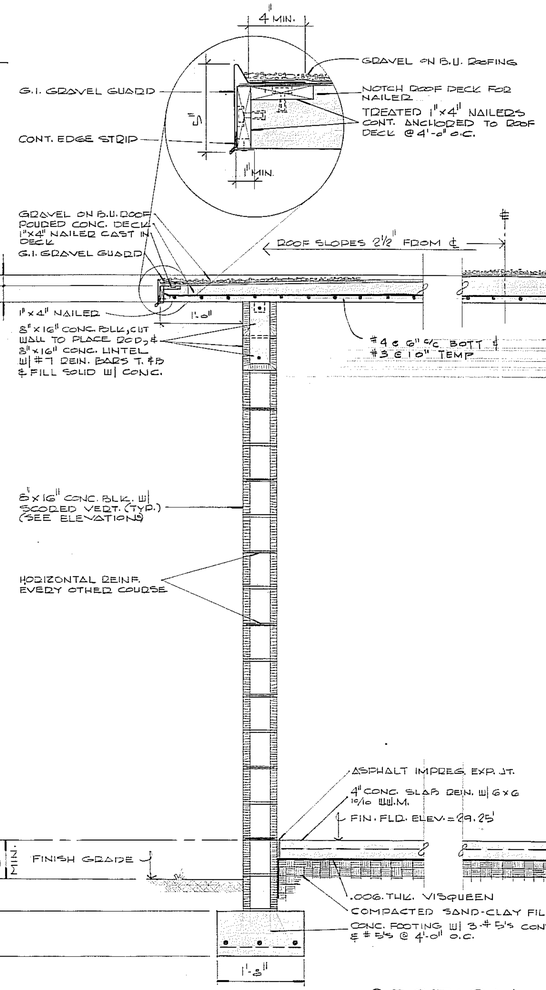
SOUTH ELEVATION
SCALE 1/4" = 1'-0"

WEST ELEVATION
SCALE 1/4" = 1'-0"



NORTH ELEVATION
SCALE 1/4" = 1'-0"

EAST ELEVATION
SCALE 1/4" = 1'-0"



SECTION 1/5
SCALE 3/4" = 1'-0"

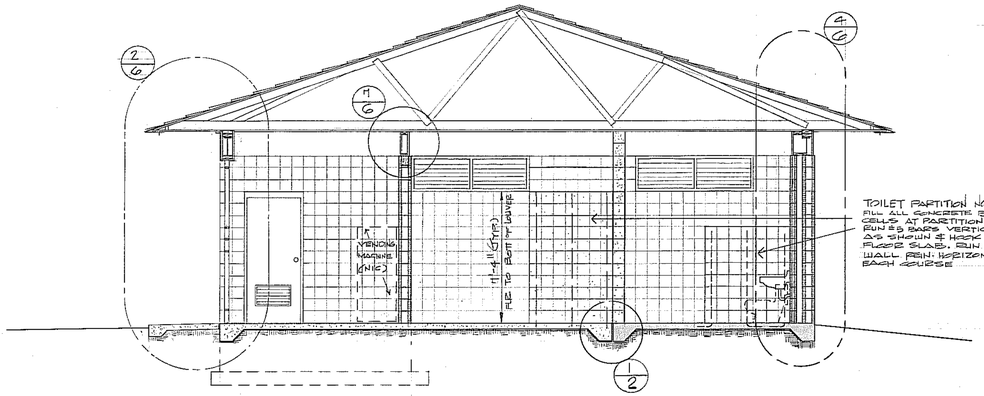
D. E. BRITT ASSOCIATES
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433 BEL AIR BLVD
MOBILE, ALABAMA

SWIMMING POOL
ADDITIONS
FOR
KIDD PARK
EAST STREET
CITY of MOBILE

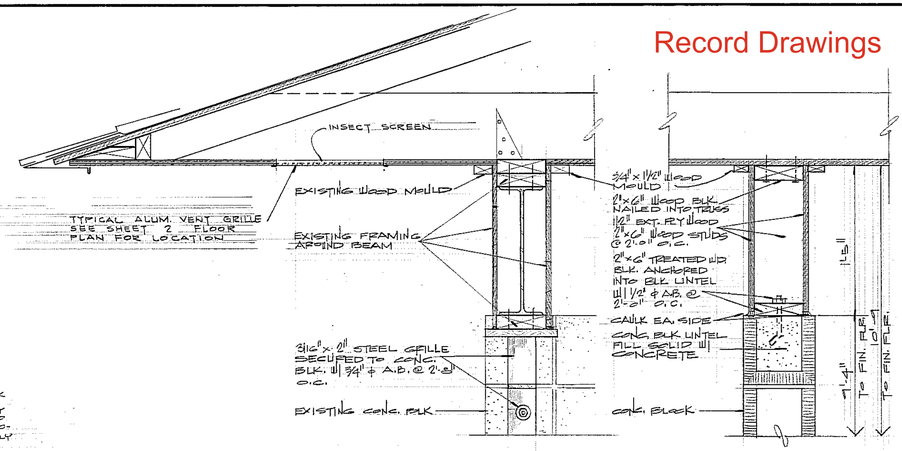
ALABAMA REGISTERED No. 4790 ENGINEER R. R. LACY

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DATE 3 SEPT 74
SHEET 5
OF 15

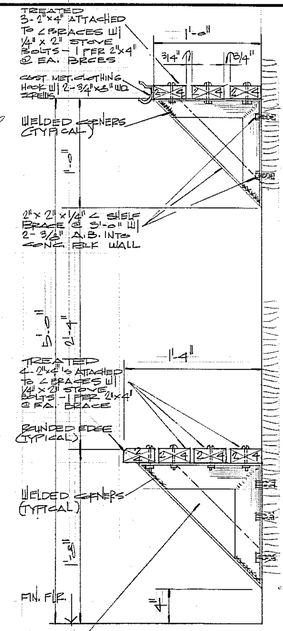
Record Drawings



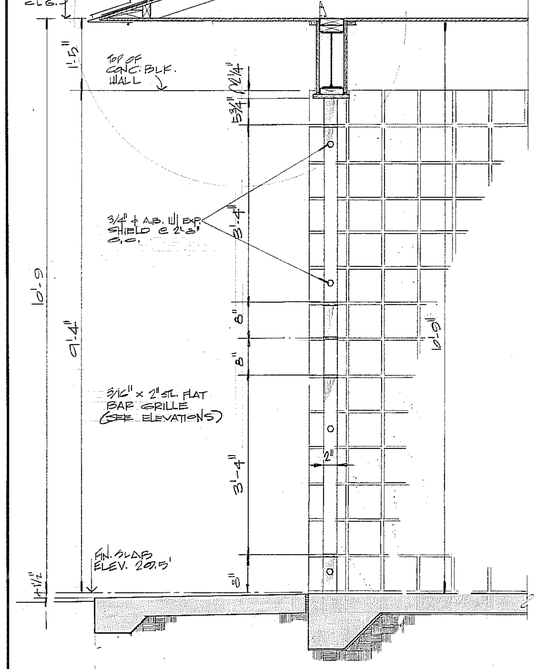
REFERENCE SECTION (1/6) SCALE 1/4" = 1'-0"



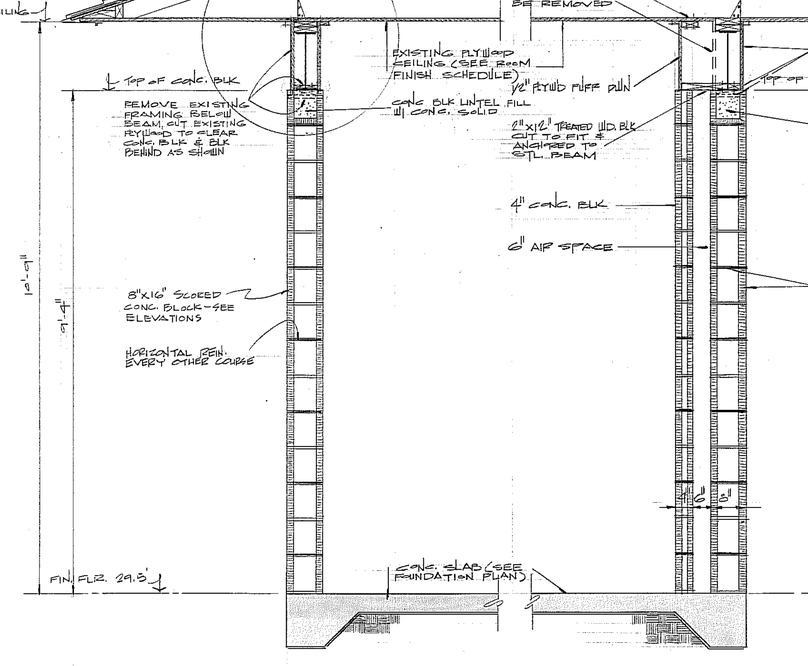
(6/6) DETAIL OF GRILLE @ CONCRETE BLOCK WALL SCALE 1 1/2" = 1'-0"



SECTION (7/6) SCALE 1 1/2" = 1'-0"

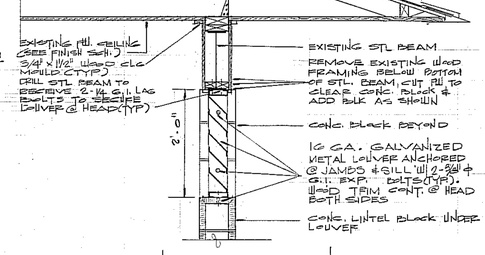


WALL SECTION (2/6) SCALE 3/4" = 1'-0"

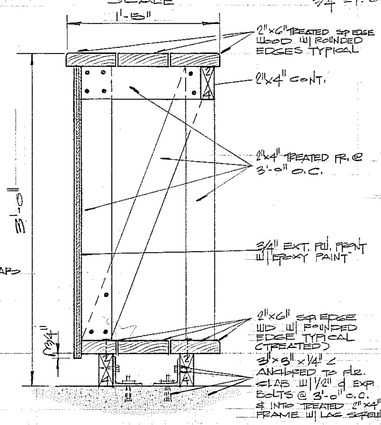


WALL SECTION (3/6) SCALE 3/4" = 1'-0"

WALL SECTION (4/6) SCALE 3/4" = 1'-0"



PARTIAL WALL SECTION (5/6) SCALE 3/4" = 1'-0"



SECTION THRU SERVICE COUNTER (6/6) SCALE 1 1/2" = 1'-0"

TYPICAL LOUVER DETAILS SCALE 1 1/2" = 1'-0"

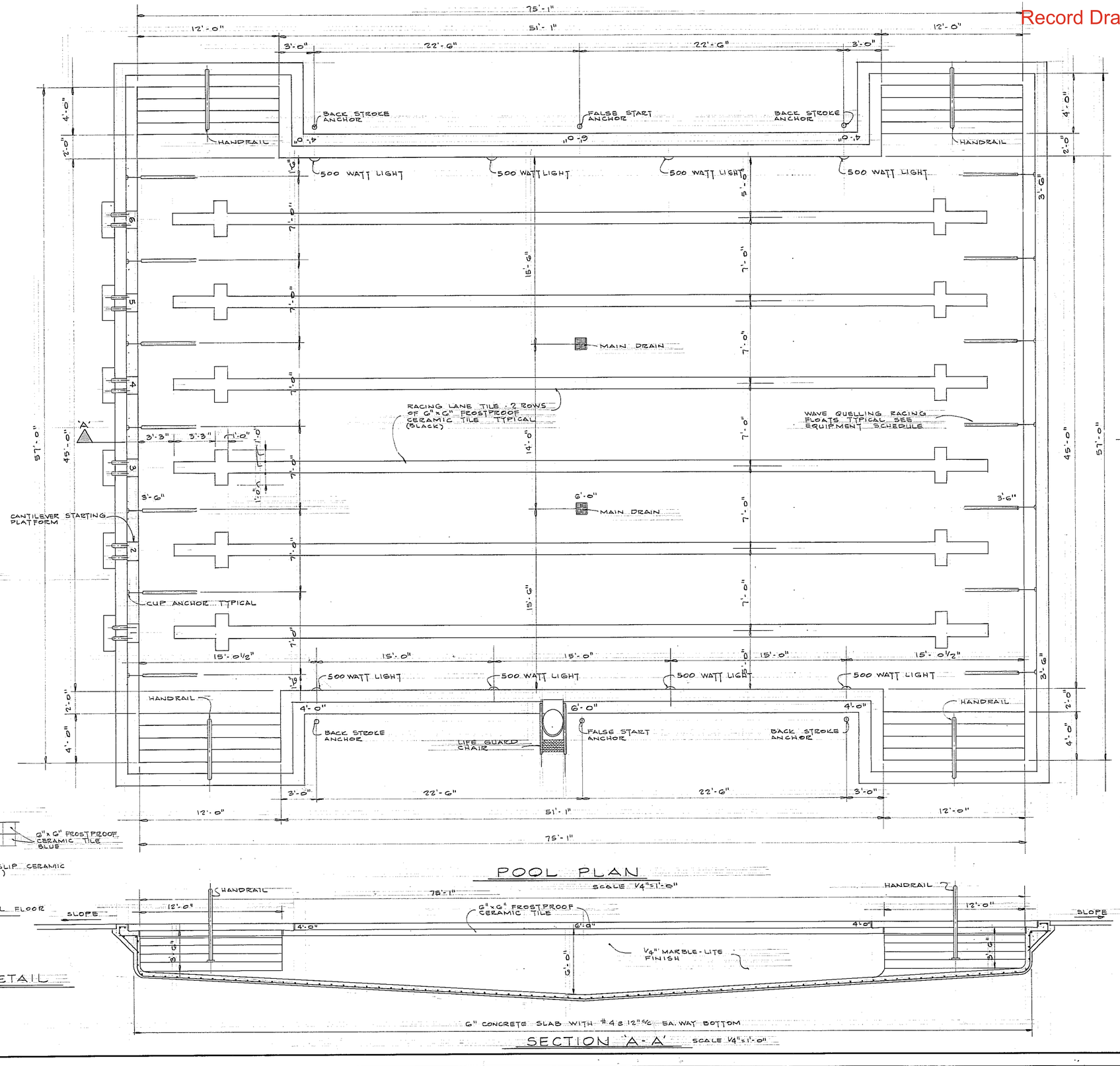
D. E. BRITT ASSOCIATES
CONSULTING ENGINEERS
433 BEL AIR BLVD MOBILE, ALABAMA

SWIMMING POOL AND ADDITIONS FOR KIDD PARK EAST STREET CITY OF MOBILE

ALABAMA REGISTERED No. 4790 ENGINEER R. LACY

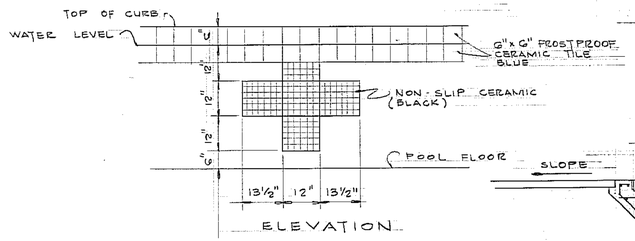
JOB NO 455
DRAWN BY S.D
CHECKED BY KRL
REVISED
DATE 3 SEPT. 74
SHEET 6
OF 15

Record Drawings



POOL PLAN

SCALE 1/4"=1'-0"



TYPICAL TARGET DETAIL

SECTION 'A-A' SCALE 1/4"=1'-0"

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433 BEL AIR BLVD
MOBILE, ALABAMA

SWIMMING POOL
AND
ADDITIONS
FOR
KIDD PARK
EAST
STREET
CITY OF MOBILE

ALABAMA REGISTERED No. 4790 ENGINEER R. L. LACY

JOB NO 455

DRAWN BY JLT

CHECKED BY RRL

REVISED

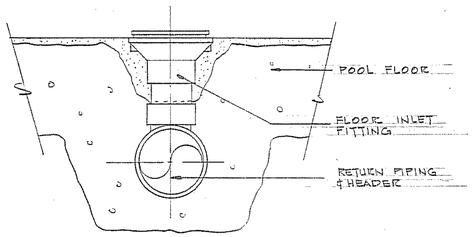
DATE 3 SEPT 74

SHEET

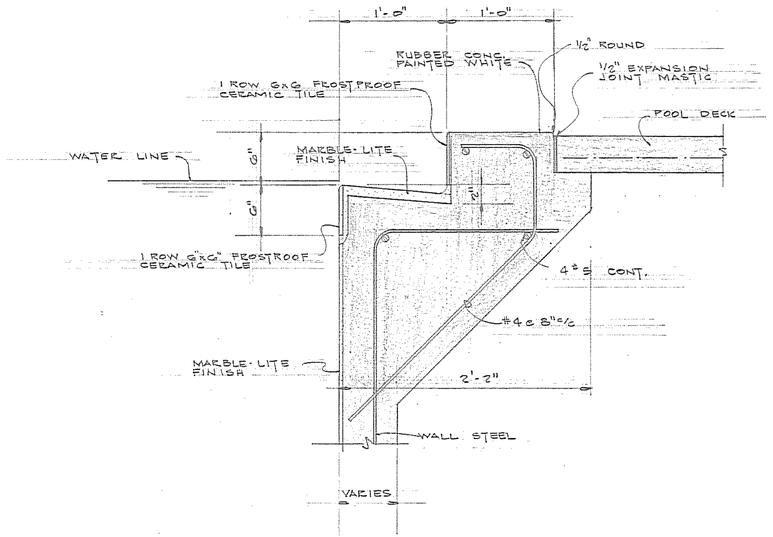
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OF 15

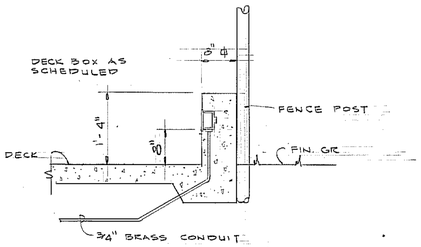
Record Drawings



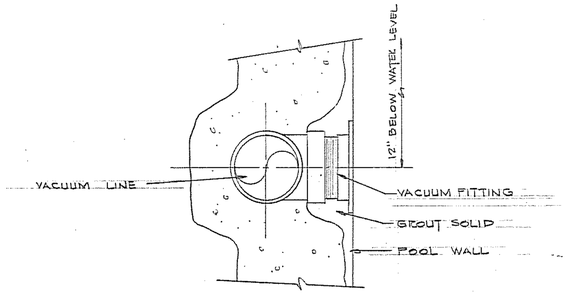
TYPICAL FLOOR INLET DETAIL



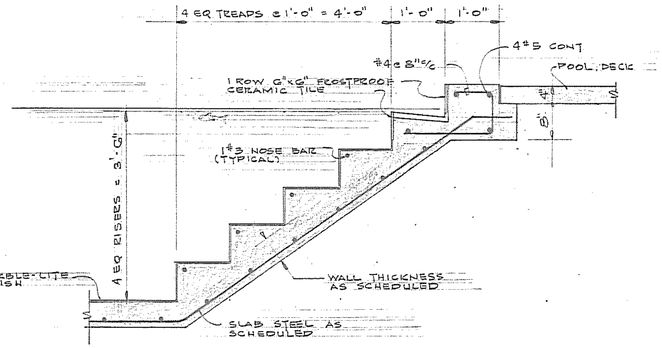
TYPICAL GUTTER DETAIL



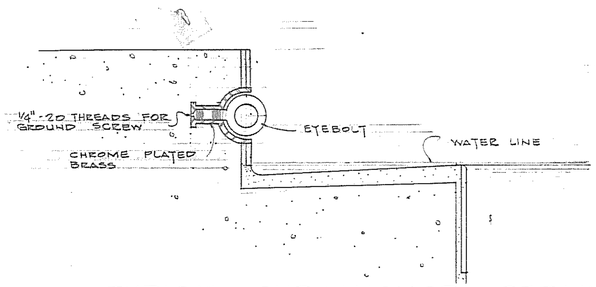
POOL LIGHT DECK BOX DETAIL



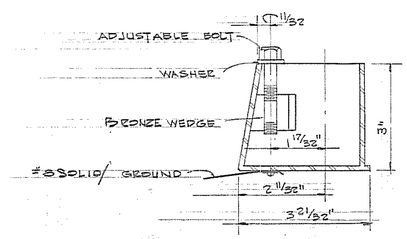
TYPICAL VACUUM FITTING DETAIL



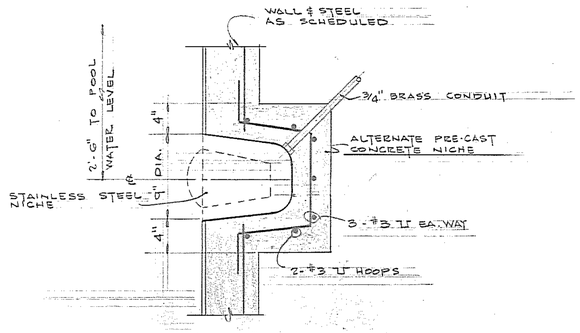
TYPICAL STEPS DETAIL



TYPICAL CUP ANCHOR DETAIL



TYPICAL WEDGE ANCHOR DETAIL



TYPICAL LIGHT NICHE DETAIL

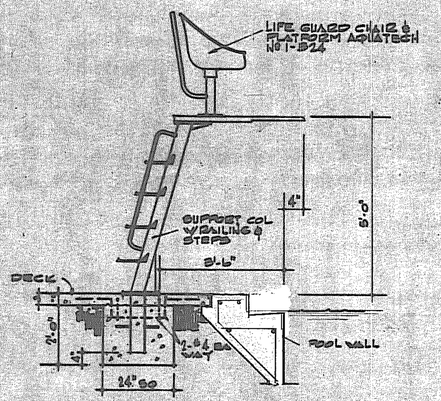
D. E. BRITT ASSOCIATES
CONSULTING ENGINEERS
433 BEL AIR BLVD
MOBILE, ALABAMA

SWIMMING POOL AND ADDITIONS FOR KIDD PARK EAST STREET CITY OF MOBILE

ALABAMA REGISTERED No. 4790 ENGINEER R. E. LACY

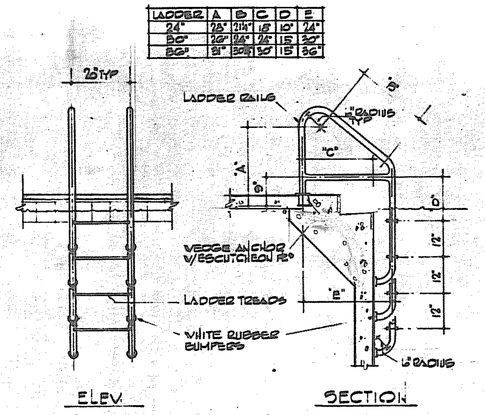
JOB No. 455
DRAWN BY: JLT
CHECKED BY: RKL
REVISED:
DATE 3 SEPT. 74
SHEET 8
OF 15

Record Drawings



DET. LIFE GUARD CHAIR (1/8)

LADDER	A	B	C	D	E
24"	78"	21¼"	18"	10"	12"
30"	90"	18½"	12"	15"	24"
36"	91"	20½"	12"	15"	36"



ELEV. SECTION

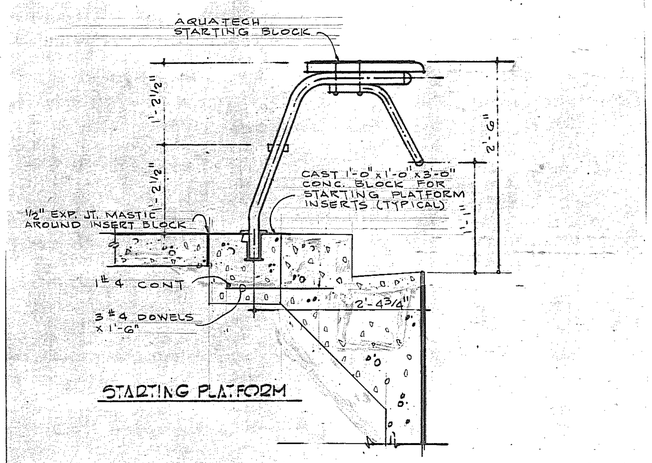
LADDER DETAIL

SPECIFICATIONS:
LADDER RAILS SHALL BE FABRICATED OF 1.90" O.D. x .065" WALL 304 S/STUPE W/MIRROR FIN. CROSS BRACE SHALL BE HELI-ARCH WELDED TO FRONT & REAR RAILS. ALL BENDS SHALL BE 6" RADIUS. LADDER RAILS SHALL BE FASTENED TO POOL DECK W/ VEDGE ANCHORS. LOWER ENDS OF RAILS SHALL BE CURVED TO FIT AGAINST POOL WALL & FITTED W/ WHITE RUBBER BUMPERS.

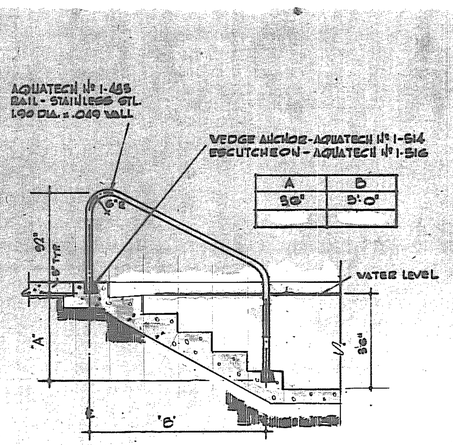
TREADS SHALL BE 3" WIDE x 1⅛" DEEP x 15½" LONG. .049 304 S/S MIRROR FIN W/ PERMANENTLY BONDED NON SKID SURFACE. EA END OF TREAD SHALL HAVE A .95" RADIUS W/A 25/64" DIA HOLE. TREADS SHALL BE BOLTED TO RAILS 12" O.C. W/ (2) ⅜"ø GUSSET BOLTS.

ALL WELDS, SHARP CORNERS & EDGES SHALL BE GROUND SMOOTH & POLISHED TO A MIRROR FINISH AFTER FABRICATION.

AQUATECH 24"-30"-36 COMMERCIAL LADDER W/ CROSS BRACE



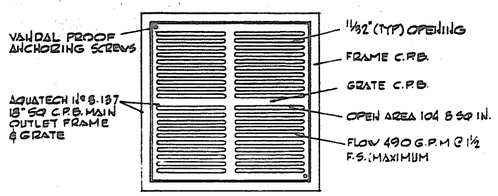
STARTING PLATFORM

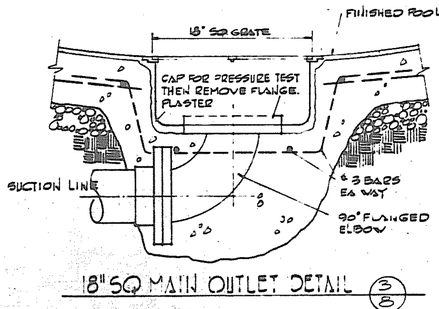


HANDRAIL DET. (2/8)

SPECIFICATIONS:
STEP HANDRAIL SHALL BE FABRICATED OF 1.90 O.D. x .049 WALL, TYPE 304 POLISHED STAINLESS STEEL TUBING AS SHOWN ON THE PLANS. VERTICAL RISERS SHALL BE 60" ON CENTERS & SECURED TO DECK & LOWER STEP IN CAST BRONZE ANCHORS COVERED W/CHROME PLATED BRASS ESCUTCHEONS.

HANDRAILS SHALL BE AQUATECH Nº 1-481





18" SQ MAIN OUTLET DETAIL (3/8)

SPECIFICATIONS:
MAIN OUTLET SHALL BE A 18" SQUARE, ½" DEEP, CHROME PLATED, CAST BRONZE FRAME W/GRATE 12" SQ. GRATE OPENINGS SHALL NOT EXCEED 1½2" IN WIDTH PROVIDING AN OPEN FLOW AREA OF NOT LESS THAN 104.8 SQ.IN. THE GRATE SHALL FIT FRAME CLOSELY & BE FLUSH W/ TOP SURFACE, & BE SECURED TO FRAME W/ TWO (2) NICKLE/BRASS SCREWS.

MAIN OUTLET FRAME & GRATES SHALL BE AQUATECH Nº S-137 ____ REQD.

D. E. BRITT ASSOCIATES
CONSULTING ENGINEERS
433 BEL AIR BLVD MOBILE, ALABAMA

SWIMMING POOL ADDITIONS FOR KIDD PARK EAST STREET CITY OF MOBILE

ALABAMA REGISTERED No. 4750 ENGINEER R. E. LACY

JOB No. 455
DRAWN BY: JLT
CHECKED BY: REL
REVISED:
DATE 3 SEPT 74
SHEET 9 OF 15

Record Drawings

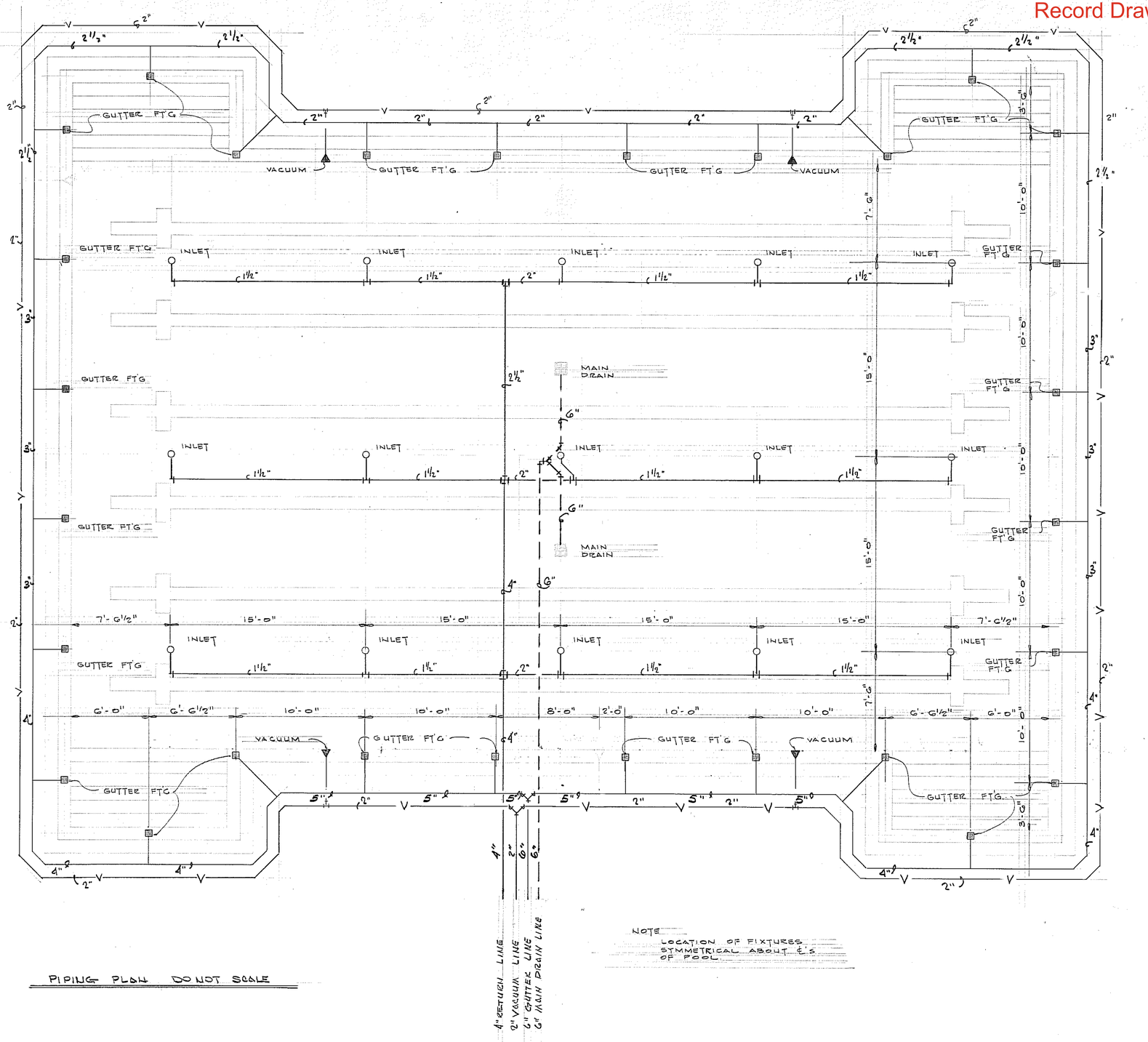
PIPE SCHEDULE

		PIPE SUPPORT SCHEDULE	
		SIZE	SPACING
MAIN DRAIN LINE	PVC - SCHEDULE 80		
RETURN LINE	PVC - SCHEDULE 40		
VACUUM LINE	PVC - SCHEDULE 40	1"-1½"	5'-0"
GUTTER LINE	PVC - SCHEDULE 40	1½"-2"	5'-0"
INLET STUB OUTS	PVC - SCHEDULE 40	2½"-3"	5'-0"
SKIMMER STUB-OUTS	PVC - SCHEDULE 40	4"-8"	5'-0"

HYDRAULICS

RETURN LINE	300 GPM	4" PIPE	7.57 F.P.S.
MAIN DRAIN LINE	300 GPM	6" PIPE	3.36 F.P.S.

NOTE: PROVIDE OVERLOAD HEATERS, IN ALL PHASES



PIPING PLAN DO NOT SCALE

NOTE
LOCATION OF FIXTURES SYMMETRICAL ABOUT ℄'S OF POOL.

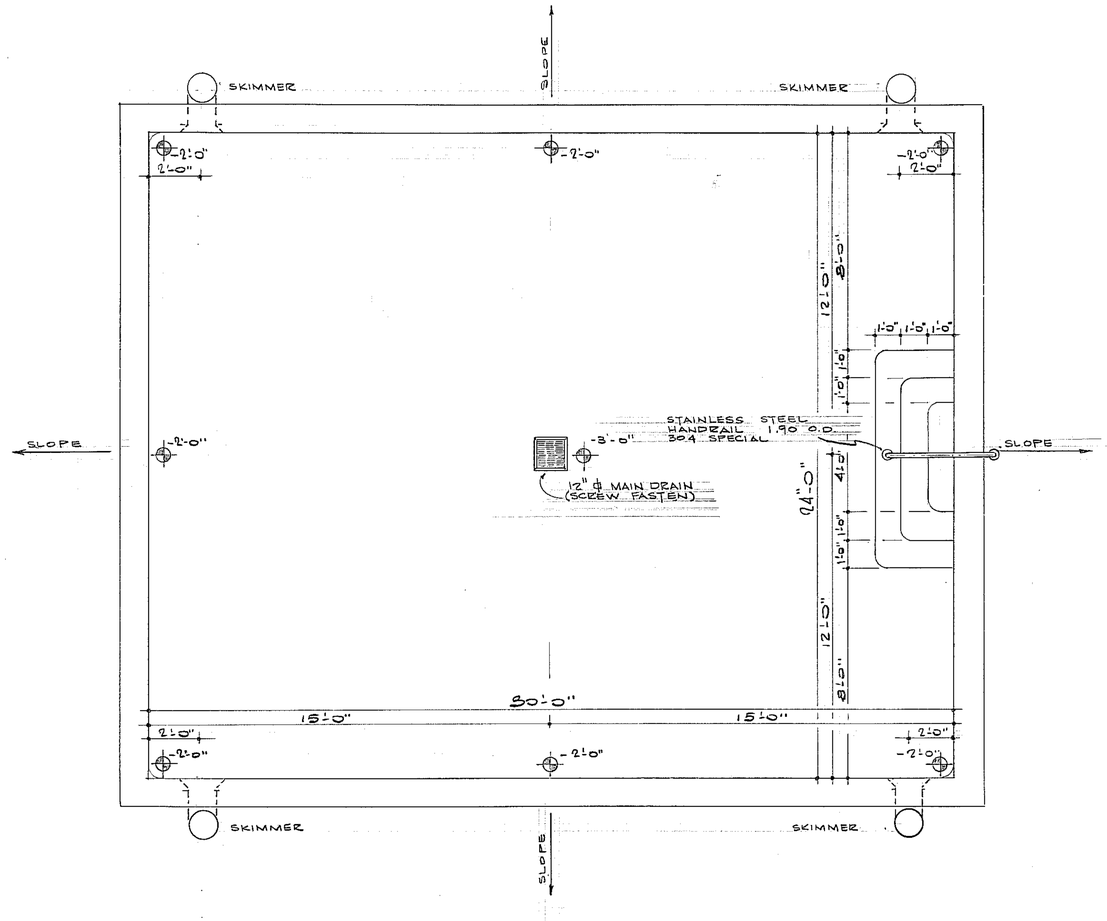
D. E. BRITT ASSOCIATES
CONSULTING ENGINEERS
433 BEL AIR BLVD MOBILE, ALABAMA

SWIMMING POOL AND ADDITIONS FOR KIDD PARK
EAST STREET
CITY OF MOBILE

ALABAMA REGISTERED No. 4790 ENGINEER R. LACY

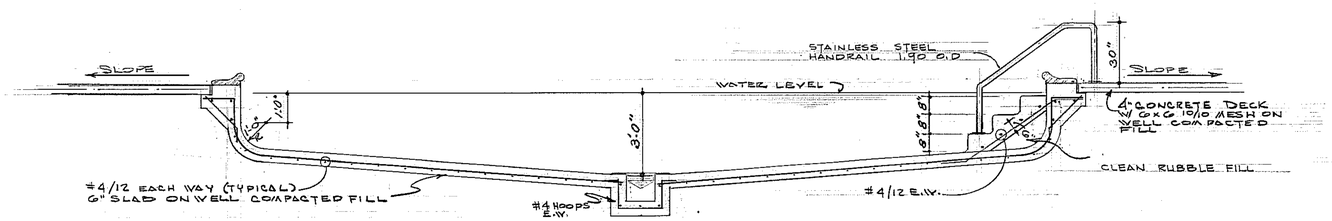
JOB No. 455
DRAWN BY: JLT & JD
CHECKED BY: RRL
REVISED:
DATE 3 SEPT 74
SHEET 10
OF 15

Record Drawings



PLAN OF CHILDRENS POOL

SCALE: 3/8"=1'0"



LONGITUDINAL SECTION

SCALE: 3/8"=1'0"

PIPE SCHEDULE

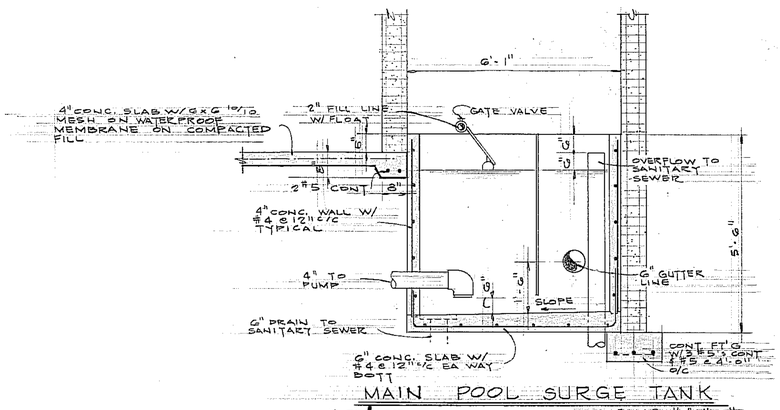
		PIPE SUPPORT SCHEDULE	
		SIZE	SPACING
MAIN DRAIN LINE	PVC - SCHEDULE 40		
RETURN LINE	PVC - SCHEDULE 40		
VACUUM LINE	PVC - SCHEDULE 40	1"-1¼"	5'-0"
SKIMMERS	PVC - SCHEDULE 40	1½"-2"	5'-0"
INLET STUB OUTS	PVC - SCHEDULE 40	2½"-3"	5'-0"
SKIMMER STUB-OUTS	PVC - SCHEDULE 40	4"-8"	5'-0"

HYDRAULICS

RETURN LINE	75 GPM	2" PIPE	7.57 F.P.S.
MAIN DRAIN LINE	75 GPM	4" PIPE	1.89 F.P.S.

NOTES

1) ALL PVC PIPE TO BE NON-THREADED AND NSF APPROVED.
2) ALL VALVES TO BE TAGGED WITH NUMBERED METAL TAGS.
3) OPERATING INSTRUCTIONS TO BE POSTED IN WATERPROOF FRAME IN FILTER ROOM.
4) PIPE TO BE SUPPORTED AS PER SCHEDULE WITH PIPE HANGERS HUNG FROM DOWELS INSERTED IN BACK OF BEAM.
5) NO SUBSTUTIONS OF EQUIPMENT SHALL BE ALLOWED UNLESS PRIOR APPROVAL OF DESIGN ENGINEER HAS BEEN OBTAINED. ALLOW FIVE (5) DAYS PRIOR TO INSTALLATION FOR APPROVAL.



MAIN POOL SURGE TANK

SCALE 1/2"=1'-0"

NOTE: SURGE TANK SHALL BE 6'-0" x 4'-6" x 5'-6" DEEP W/ 4" CONC. WALLS W/ #4 @ 12" C/C & 6" CONC. SLAB W/ #4 @ 12" C/C.

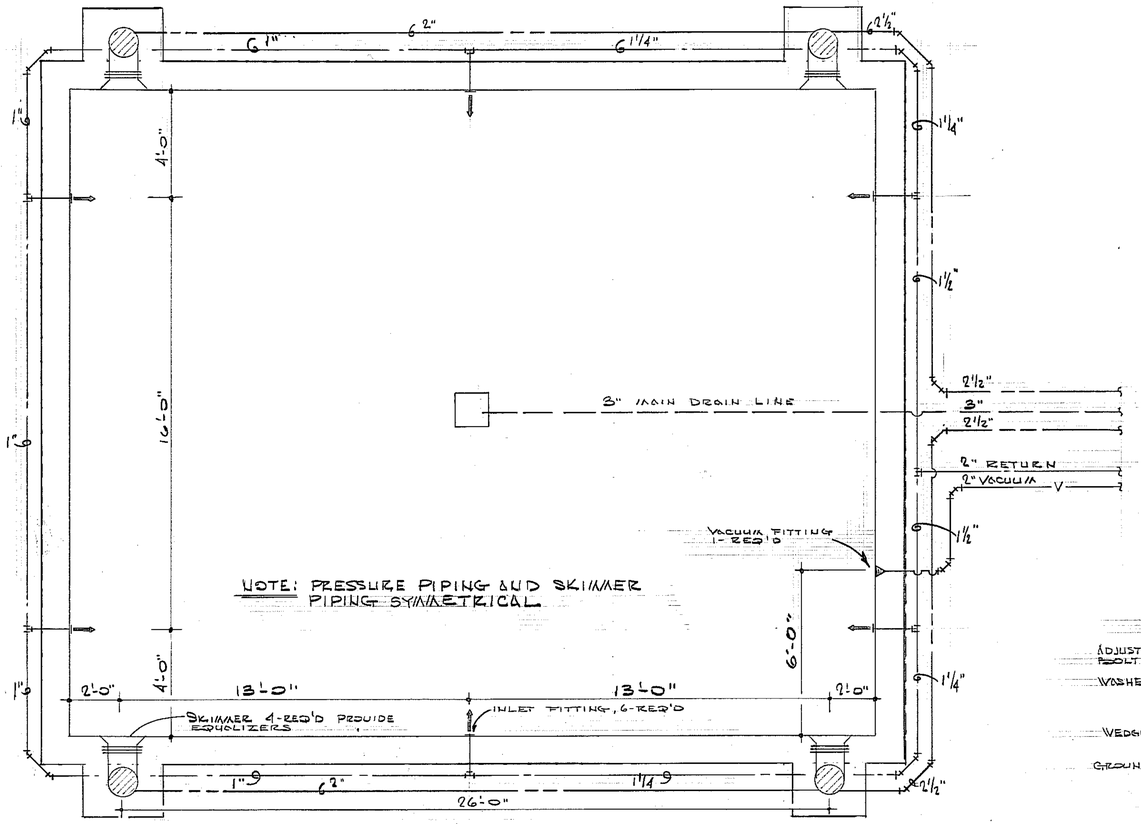
D. E. BRITT ASSOCIATES
CONSULTING ENGINEERS
433 BEL AIR BLVD
MOBILE, ALABAMA

SWIMMING POOL ADDITIONS FOR KIDD PARK
EAST STREET
CITY OF MOBILE

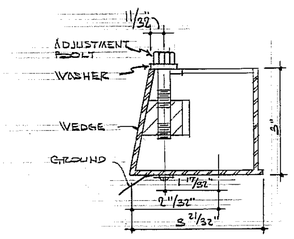
ALABAMA REGISTERED No. 4790 ENGINEER
R. R. LACY

JOB NO. 455
DRAWN BY JD
CHECKED BY RRL
REVISED
DATE 3 SEPT 74
SHEET 11
OF 15

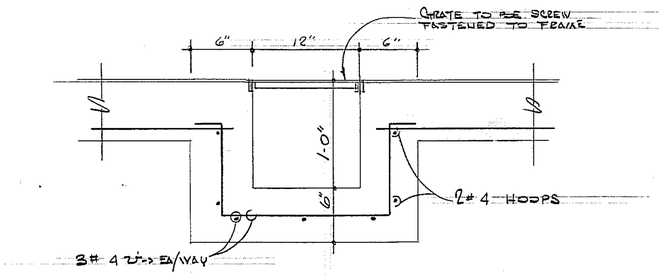
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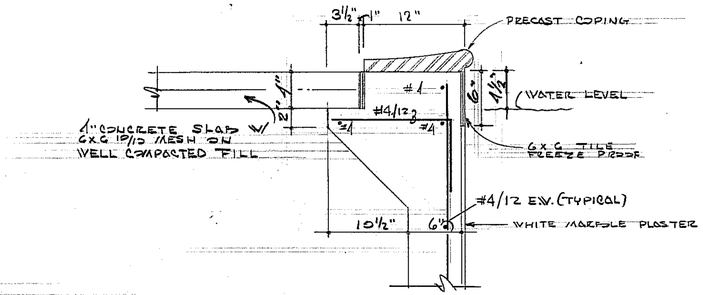
PIPING PLAN NO SCALE



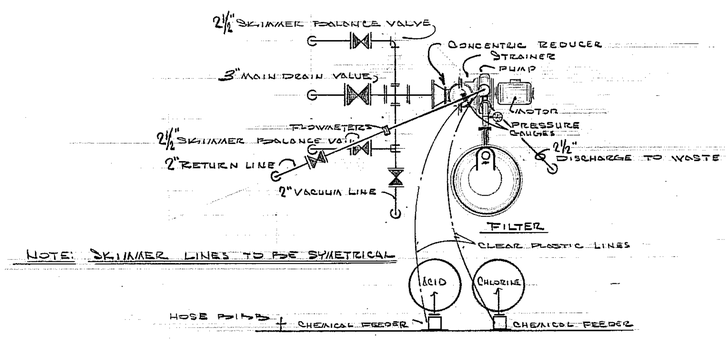
WEDGE ANCHOR N.T.S.



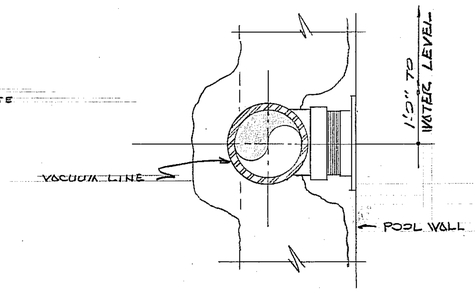
MAIN DRAIN DETAIL
SCALE: 1 1/2"=1'-0"



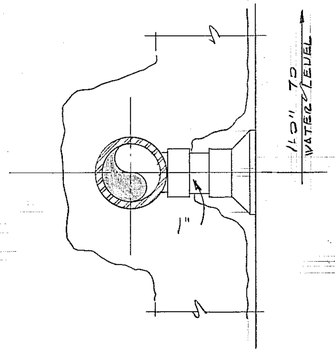
BEAM DETAIL SCALE: 1 1/2"=1'-0"



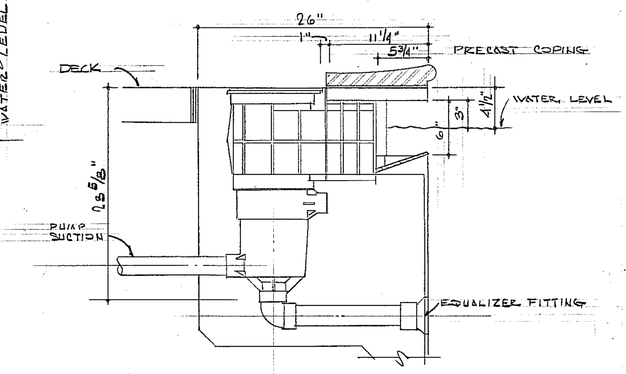
FILTER UNIT PLAN NO SCALE



VACULIM FITTING NO SCALE



INLET FITTING NO SCALE



SKIMMER DETAIL N.T.S.

D. E. BRITT ASSOCIATES
CONSULTING ENGINEERS
433 BEL AIR BLVD
MOBILE, ALABAMA

SWIMMING POOL ADDITIONS FOR KIDD PARK EAST STREET CITY of MOBILE

ALABAMA REGISTERED No. 4790 ENGINEER K. R. LACY

JOB NO 455
DRAWN BY JD
CHECKED BY RRL
REVISED
DATE 3 SEPT 74
SHEET 12
OF 15

Record Drawings

MECHANICAL SPECIFICATIONS AND EQUIPMENT LIST

VOLUME: 114,000 GALLONS

RECIRCULATING RATE: 20 GPM PER SQ. FT. FILTER AREA

TURNOVER RATE: 6 HOURS, 20 MINUTES

THE FOLLOWING EQUIPMENT OR IT"S EQUAL, SHALL BE USED AND SHALL BE INSTALLED AS PER PLANS AND/OR MANUFACTURER'S SPECS.

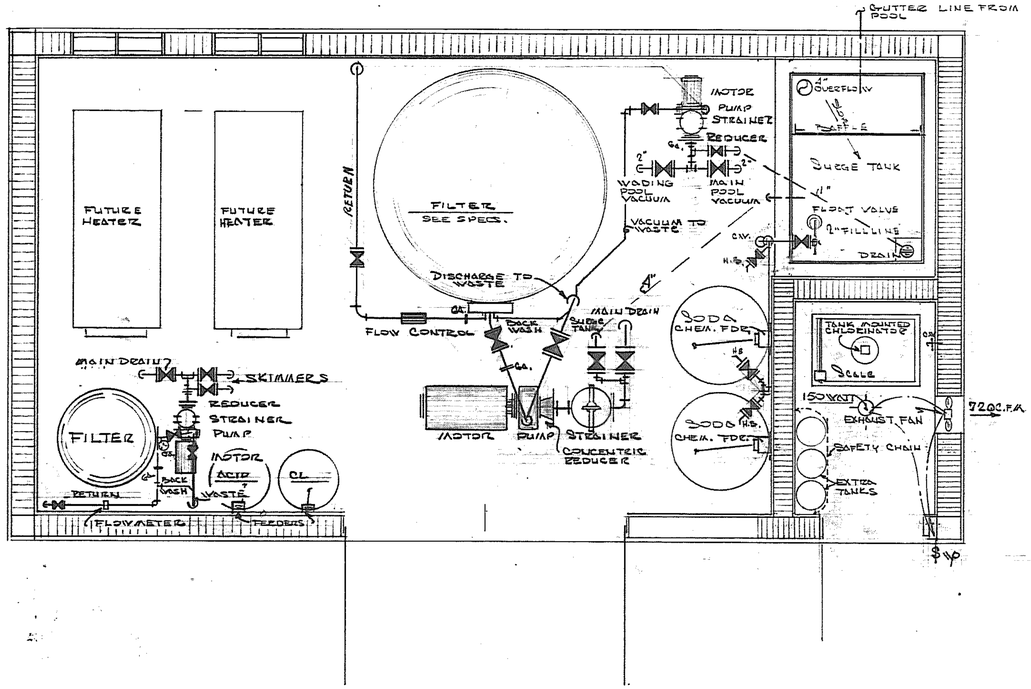
1	FILTER	SWIMQUIP	24304-101	54" DIAMETER TANK WITH 15.9 SQUARE F.A. 318 GPM MAX. RATE
1	PUMP	WEINMAN	#K5-4	5 HP., 1750 RPM, 3 PHASE, DRIP PROOF, BALL BEARING
1	VAC. GAUGE			4½" DIAMETER
2	PRESSURE GAUGES	MARSHALTOWN		4½" DIAMETER, 0-60 PSI
1	CHLORINATOR	CAPITAL	BANTAM 75	75 PPD TANK MOUNTED, GAS TYPE
1	SCALE	FAIRBANKS		1000# CAPACITY
1	FAN	GREENHECK	EF1	12" DIAMETER WITH LOUVER, 612 CFM
1	GAS MASK			WITH CANNISTER (FULL FACE) INCLUDE CASE
2	CHEMICAL FEED.	MEC-O-MATIC	H30J1	SINGLE HEAD, POS. DISPL. TYPE 45 GPD SODA ASH
2	SOLUTION TANKS			75 GALLON CAPACITY EACH
1	FLOW CONTROL	GRISWOLD		4" FACTORY SET TO 300 GPM WITH METERING KIT
1	SIGHT GLASS	SWIMQUIP	15410	150# MAX.
2	MAIN DRAINS	SWIMQUIP	7120	12"x12" FRAME AND GRATE, C.P.B.
4	VACUUM FTGS.	SWIMQUIP	8100	2"x2" C.P.B.
28	GUTTER FTGS.	SWIMQUIP	7520	8" C.P.B.
15	BOTTOM INLETS	SWIMQUIP	8415	1½" ADJ. C.P.B.
8	LIGHTS	SWIMQUIP	5058	300 WATT LOW VOLTAGE WITH TRANSFORMERS
8	CONDUITS			3/4"
8	CONN. BOXES			CONDULET BOX WITH BLANK COVER
4	LADDERS	AQUATECH	SPECIAL	S/S # TREAD, 1.90 O.D., 30.4 COMPLETE
8	ANCHORS		41682	1½", WEDGE TYPE
8	ESCUTCHEONS		41660	1½" C.P.B.
1	TEST SET	LAMOTT	DUPLEX	DUPLEX CL AND pH COMPARATOR
1	VAC. CLEANER	AM. SANITORY	41349	18" HD. WITH 50'-2" FLOATING HOSE, HANDLE, COMPLETE
2	LIFE HOOKS	SWIMQUIP	9642	WITH 16' ALUMINUM HANDLE
2	LIFE RING	SWIMQUIP	9463	20" DIAMETER WITH 50' ROPE EACH
1	GUARD CHAIR	SWIMQUIP	2821	ULTRA. MODERN
* 7	RACING LINES	SWIMQUIP	9371-75	75' CABLE WITH WAVE QUELLER FLOATS (COMPLETE)
1	STRAINER	SWIMQUIP	13801-341	FOR PRIMARY PUMP (6") BEFORE REDUCER
14	ANCHORS	SWIMQUIP	9142	CUP TYPE, WITH EYE BOLT C.P.B.
1	FIRST AID KIT	SWIMQUIP		
1	LEAF SKIMMER	SWIMQUIP	12646	PLASTIC HEAD WITH PLASTIC MESH POCKET WITH 16' ALUM. POLE
1	BRUSH	SWIMQUIP	12512	24" WITH BRACKET
1	PUMP	PUREX	M.O.A.	2½ HP. WITH STRAINER 2" SUCTION
6	STANCHON POST ANCHORS	KD1	A3370	FLUSH
* 6	BACKSTROKE POSTS	KD1	A3366	7'-6" WITH RING ATTACHMENTS
* 6	STARTING BLOCKS	AQUATECH		COMPLETE WITH ANCHORS AND ESCUTIONS
8	ANCHORS	AQUATECH		EXTRA FOR 82'-6" LANES

NOTE: ALL ANCHORS SHALL BE PROVIDED WITH DECK COVER PLATES

* ITEMS MARKED WITH ASTERICK ARE POOL RACING EQUIPMENT ITEMS TO BE INCLUDED IN ALTERNATE NO 1

NOTES

1) ALL PVC PIPE TO BE NON-THREADED AND NSF APPROVED.
2) ALL VALVES TO BE TAGGED WITH NUMBERED METAL TAGS.
3) OPERATING INSTRUCTIONS TO BE POSTED IN WATERPROOF FRAME IN FILTER ROOM.
4) PIPE TO BE SUPPORTED AS PER SCHEDULE WITH PIPE HANGERS HUNG FROM DOWELS INSERTED IN BACK OF BEAM.
5) NO SUBSTITUTIONS OF EQUIPMENT SHALL BE ALLOWED UNLESS PRIOR APPROVAL OF DESIGN ENGINEER HAS BEEN OBTAINED. ALLOW FIVE (5) DAYS PRIOR TO INSTALLATION FOR APPROVAL.



FILTER ROOM PLAN 1/2"=1'-0"

MECHANICAL SPECIFICATIONS AND EQUIPMENT LIST

VOLUME: 24,240 GALLONS

RECIRCULATION RATE: 15 GPM PER FT^2 FILTER AREA

TURNOVER RATE: 6 HOURS

THE FOLLOWING EQUIPMENT OR IT'S EQUAL SHALL BE USED AND SHALL BE INSTALLED AS PER PLANS AND/OR MANUFACTURES SPECIFICATIONS.

NO.	ITEM	MFGR.	CAT. NO.	DESCRIPTION
1	PUMP	SWIMQUIP	XL-III	1½ HP., 75 GPM @ 65' T.D.H. WITH 6" STAINER SINGLE PHASE
1	STRAINER	SWIMQUIP		55 CUBIC INCH CAPACITY (MINIMUM)
2	GAUGES	MARSHALTOWN		2½" DIA. 0-60 PSI
1	FLOWMETER	BLUE-WHITE	F-300	2" WITH 20-125 GPM
2	CHEM. FEEDERS	CHEM-TECH	030	SINGLE HEAD, POS., DISPL. TYPE, 30 GPD EACH HEAD
2	SOLUTION TANKS			30 GALLON CAPACITY, POLYETHYLENE (EACH)
1	MAIN DRAIN	SWIMQUIP	7120	12" SQUARE SCREWFASTENED, VANDAL PROOF C.P.B.
1	VACUUM FTG.	HAYWARD	SP-1022	1½" FIP. WITH SP-1022B PLUG
6	INLET FTGS.	SWIMQUIP		
4	SKIMMERS	SWIMQUIP	J-3, 8650-32	2" WITH FLOAT ASSEMBLY
1	HANDRAIL	AQUATECH	SPECIAL	1.90 O.D. STAINLESS STEEL, FOR ROLL-OUT GUTTER
2	ANCHORS	AM. SANITORY	41656	WEDGE TYPE BRONZE WITH GROUNDING SCREW
2	ESCUTCHEON	SWAN		1½" STAINLESS STEEL
1	LIFE RING	SWIMQUIP	9463	20" DIA. WITH 50' LINE (ATTACHED)
1	LIFE HOOK	SWIMQUIP	9642	WITH 16' ALUMINUM HANDLE
1	FILTER	SWIMQUIP	24752-131	H.R. P-30 HI-RATE SAND @ 75 GPM WITH 4.9 SQUARE F.A.

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433 BEL AIR BLVD MOBILE, ALABAMA

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ALABAMA REGISTERED No. 4790 ENGINEER R. L. LACY

JOB No.

DRAWN BY: JD

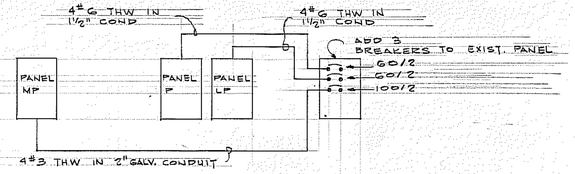
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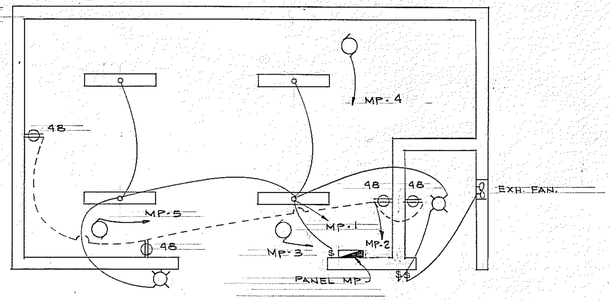
DATE 3 SEPT 74

SHEET 13

Record Drawings

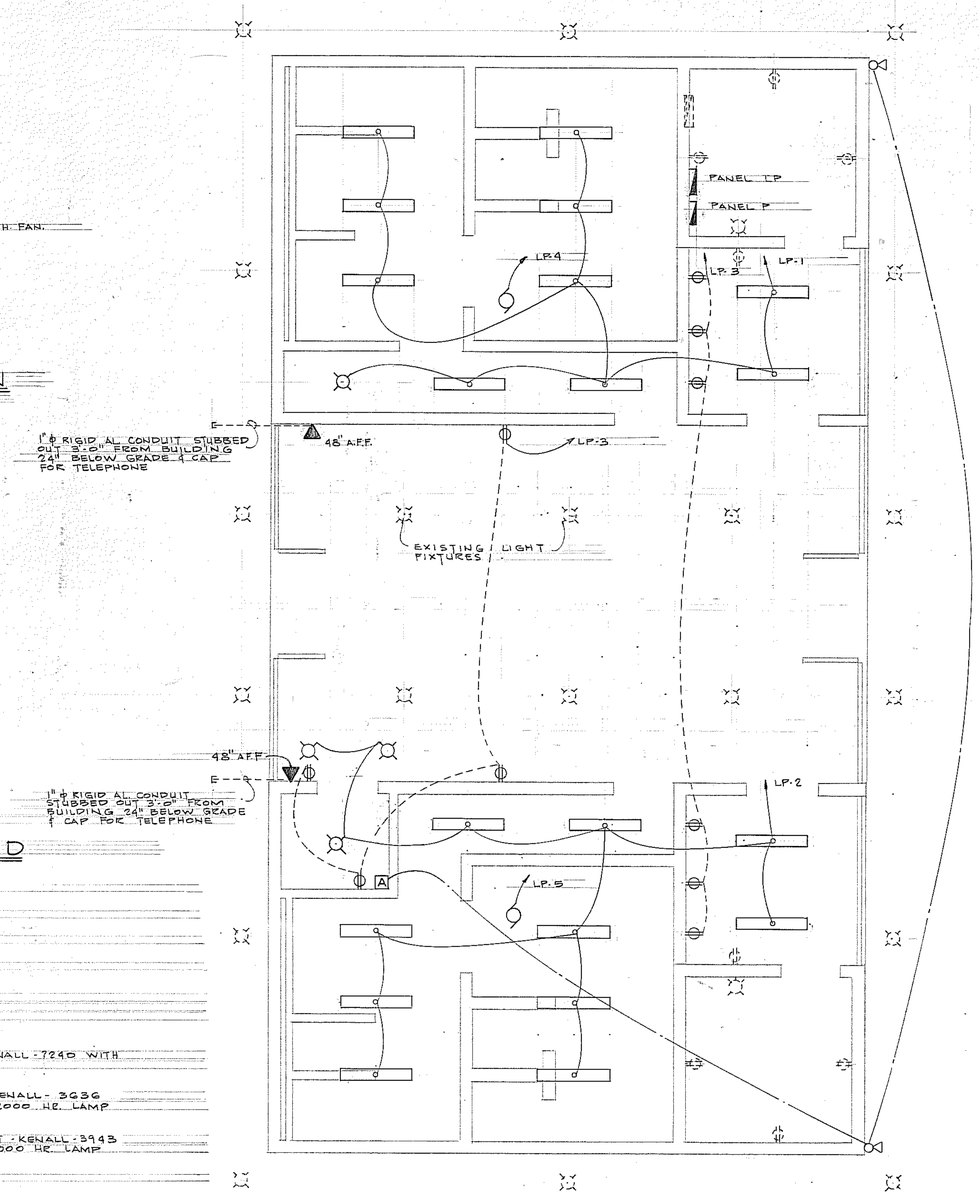


ELECTRICAL PANEL RISER



EQUIPMENT ROOM ELECTRICAL PLAN

SCALE 1/4" = 1'-0"



BATH HOUSE ELECTRICAL PLAN

SCALE 1/4" = 1'-0"

PANEL LP

120/240 V 3 ϕ 60 CYCLE TYPE NRO SURFACE MOUNT 100 A CAPACITY W/SPACE FOR 18 SINGLE POLE BREAKERS

CIRCUIT	SERVES	BRK'R	WIRE	COND.	LOAD
1	LIGHTS	20/1	2-12	3/4"	1100 W
2	LIGHTS	20/1	2-12	3/4"	1300 W
3	RECEPTACLES	20/1	3-12	3/4"	1200 W
4	EXHAUST FAN	20/1	3-12	3/4"	1/2 HP
5	EXHAUST FAN	20/1	3-12	3/4"	1/2 HP
6	RECEPTACLES	20/1	3-12	3/4"	1000 W
7-18	SPACE ONLY				

PANEL P

100 A 3 ϕ 4 WIRE 120/240 V SQUARE D TYPE NRO WITH GROUND FAULT DEVICE GF/1 C/B SURFACE MOUNT

CIRCUIT	SERVES	BRK'R	WIRE	COND.	LOAD
1	POOL UNDERWATER LIGHT	20/1	2-10 & 1-12 GR	3/4"	500 W.
2	POOL UNDERWATER LIGHT	20/1	2-10 & 1-12 GR	3/4"	500 W
3	POOL UNDERWATER LIGHT	20/1	2-10 & 1-12 GR	3/4"	500 W
4	POOL UNDERWATER LIGHT	20/1	2-10 & 1-12 GR	3/4"	500 W
5	POOL UNDERWATER LIGHT	20/1	2-10 & 1-12 GR	3/4"	500 W
6	POOL UNDERWATER LIGHT	20/1	2-10 & 1-12 GR	3/4"	500 W
7	POOL UNDERWATER LIGHT	20/1	2-10 & 1-12 GR	3/4"	500 W
8	POOL UNDERWATER LIGHT	20/1	2-10 & 1-12 GR	3/4"	500 W

PANEL MP

100 A 3 ϕ 4 WIRE 120/240 V SQUARE D TYPE NRO W/ MAIN BREAKER & W/ GROUND FAULT DEVICE GF/1 C/B SURFACE

CIRCUIT	SERVES	BRK'R	WIRE	COND.	LOAD
1	EQUIPMENT ROOM LIGHTS	20/1	2-12	3/4"	1000 W
2	EQUIPMENT ROOM RECEPT.	20/1	3-12	3/4"	400 W
3	5 H.P. PUMP	40/2	3-8 & 1-10	3/4"	28 A
4	2 1/2 H.P. PUMP	30/2	3-10 & 1-12	3/4"	18 A
5	1 1/2 H.P. PUMP	15/2	3-12 & 1-14	3/4"	10 A
6-18	SPACE ONLY				

SYMBOL LEGEND

- DUPLEX OUTLET 14" A.F.F.
- 48 DUPLEX OUTLET 48" A.F.F.
- EXTERIOR TYPE PAGING HORN
- A 60 WATT P.A. TYPE AMPLIFIER W/ THUMB SWITCH CONTROLLER HAND MICROPHONE
- FLOURESCENT LIGHT FIXTURE - KENALL - 7240 WITH 2 - F40CW LAMPS
- WALL MOUNTED INCANDESCENT - KENALL - 3G36 W/ 1-100 WATT LITE-TRONICS 32000 HR. LAMP
- CEILING MOUNTED INCANDESCENT - KENALL - 3943 W/ 1-100 WATT LITE-TRONICS 32000 HR. LAMP
- 2" x 4" BOX TELEPHONE OUTLET
- MOTOR CONNECTION

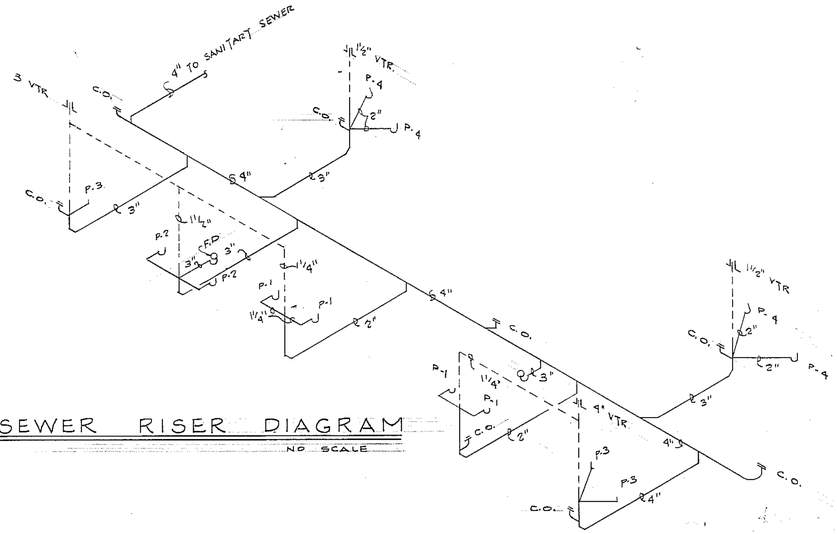
D. E. BRITT ASSOCIATES
CONSULTING ENGINEERS
433 BEL AIR BLVD MOBILE, ALABAMA

SWIMMING POOL AND BATH HOUSE ADDITIONS FOR KIDD PARK EAST STREET CITY of MOBILE

ALABAMA REGISTERED No. 4790 ENGINEER
R. K. LACY

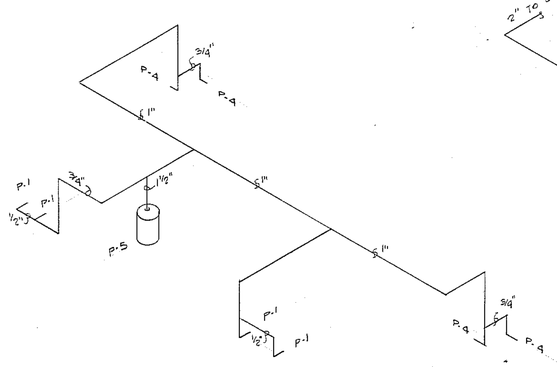
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CHECKED BY RKL
REVISED
DATE 3 SEPT 74
SHEET 14 OF 15

Record Drawings



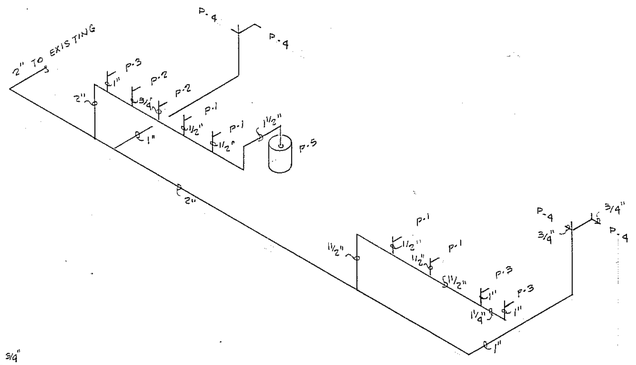
SANITARY SEWER RISER DIAGRAM

NO SCALE



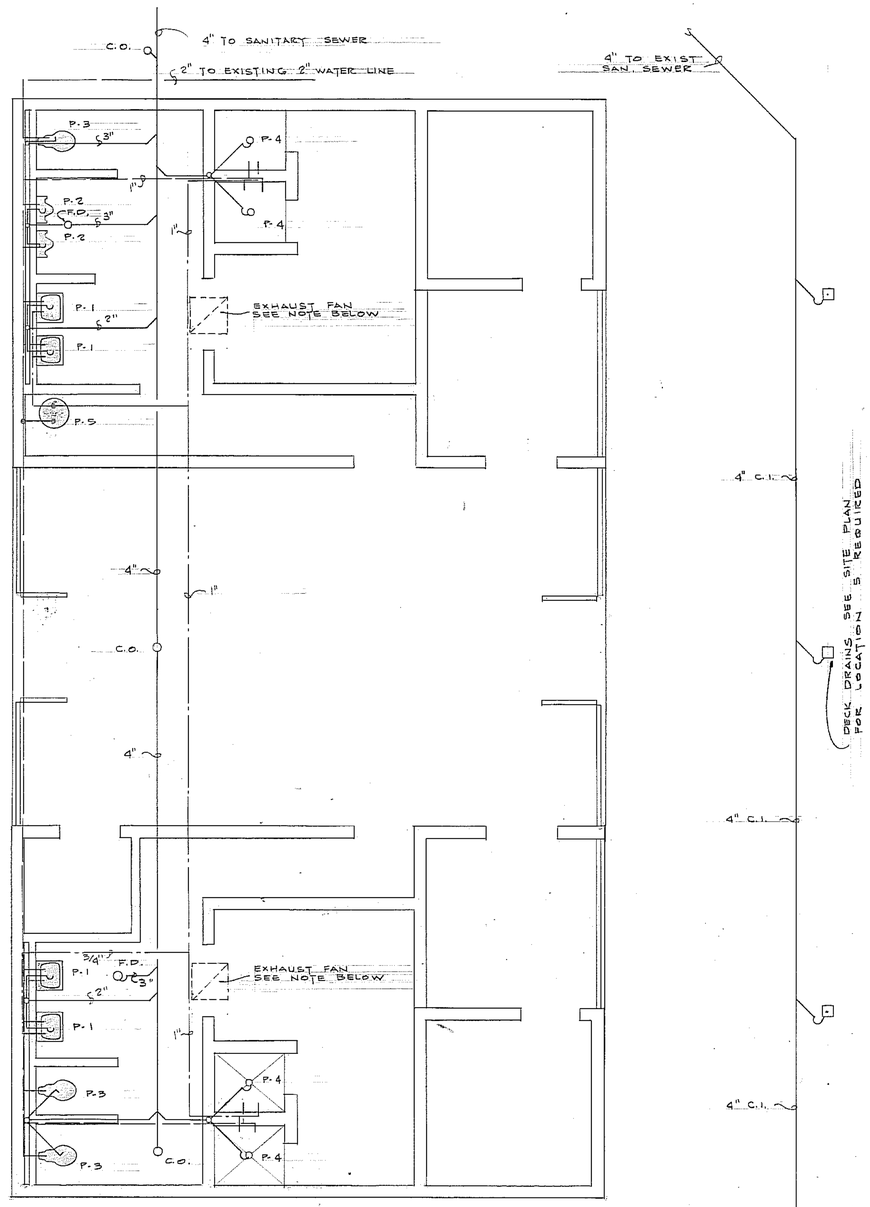
HOT WATER RISER DIAGRAM

NO SCALE



COLD WATER RISER DIAGRAM

NO SCALE



BATH HOUSE PIPING PLAN

SCALE 1/4" = 1'-0"

NOTE:
INSTALL 24" FAN IN CEILING OF DRESSING ROOMS COMPLETE WITH AUTOMATIC SHUTTER FANS TO HAVE A CAPACITY OF 5500 C.F.M. @ 0.1 STATIC PRESSURE. MOTOR HORSEPOWER 1/2 - 115/60 POWER.

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OF 15

Record Drawings

Figures Park & Community Center (Gorgas Park)

BATH HOUSE AND SWIMMING POOL

FOR

Type text here

GORGAS PARK

DONALD STREET

MOBILE, ALABAMA

COMMISSIONERS

Gary A. Greenough

Robert B. Doyle Jr.

Lambert C. Mims

Michael A. Guarino City Arch. Engineer

CITY ARCH. ENGR. _____

INSPECTION SERVICES _____

_____

_____

NEIGHBORHOOD CIVIC GROUP _____

_____

D. E. BRITT ASSOCIATES INC.

CONSULTING ENGINEERS

433 BEL AIR BLVD MOBILE, ALABAMA

(Latest Avail. Apres. as Built)

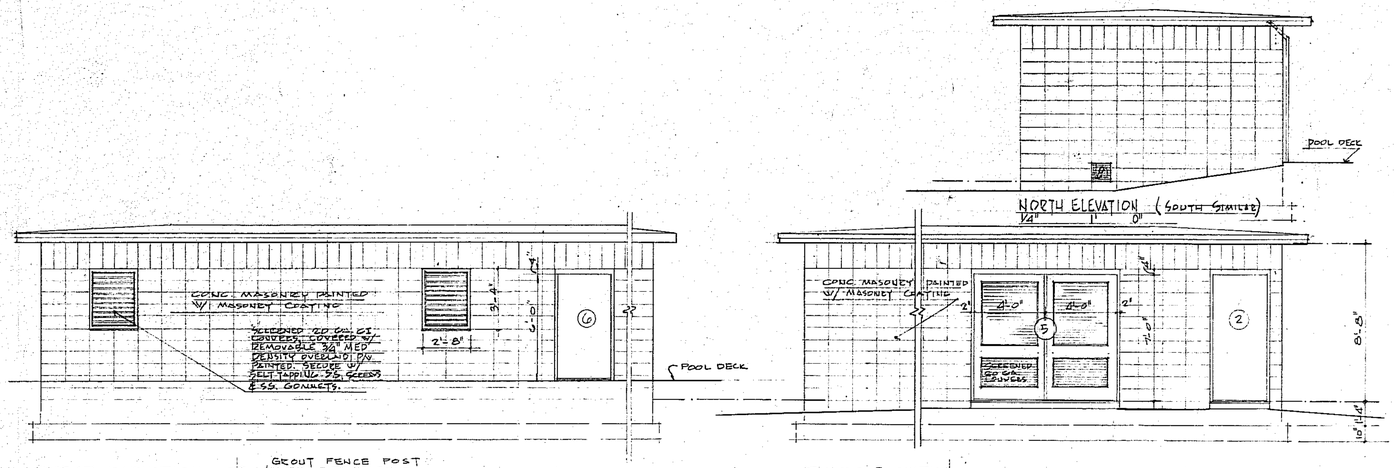
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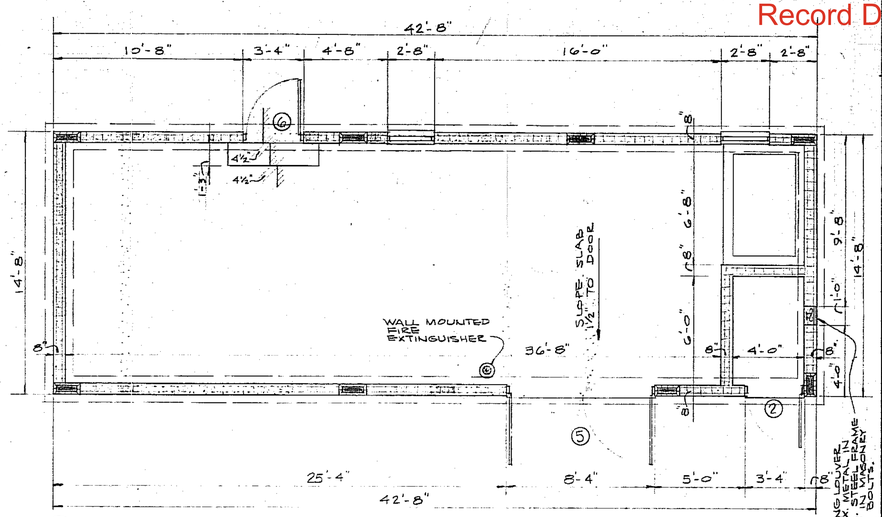
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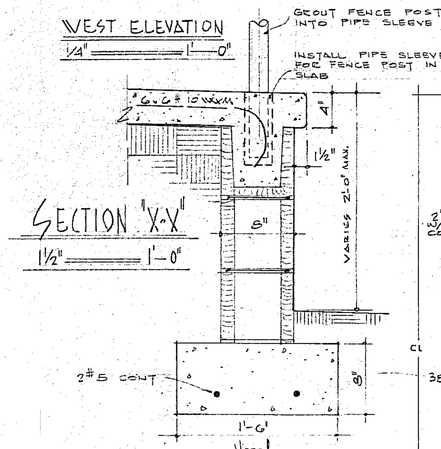
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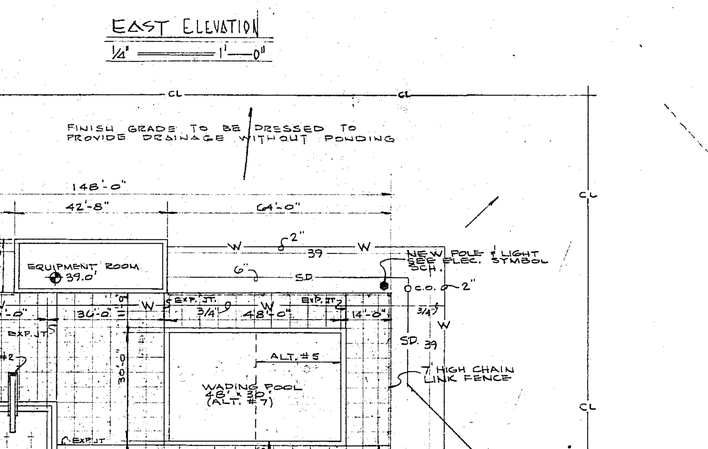
REVISED MARCH 14,75 AS PER ADDENDUM 1 & 2





PLAN OF EQUIP. BLDG
1/4" 1'-0"





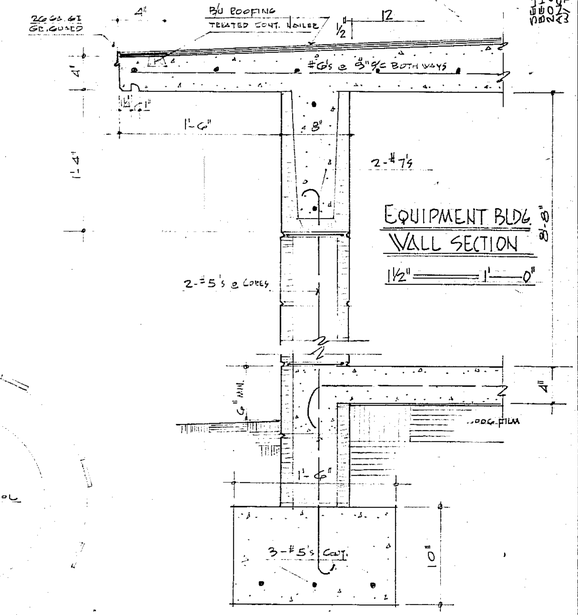
Note!
THE ELECTRICAL CONTRACTOR SHALL INSTALL UNDERGROUND CONDUIT AND PULL BOX W/ CONDUIT TERMINATING AND STUBBED UP AT THE POLE. THE ELECTRICAL CONTRACTOR SHALL PAY ALA. POWER CO'S $340.00 FOR RUNNING UNDERGROUND SERVICE

1-4" ALUMINUM CONDUIT

NEW UNDERGROUND ELECTRICAL SERVICE TO POOL EQUIP. ROOM

Note!
SEE SHEET NO. 5 FOR DRAINAGE OF POOL DECK.

SITE PLAN
1" 20'

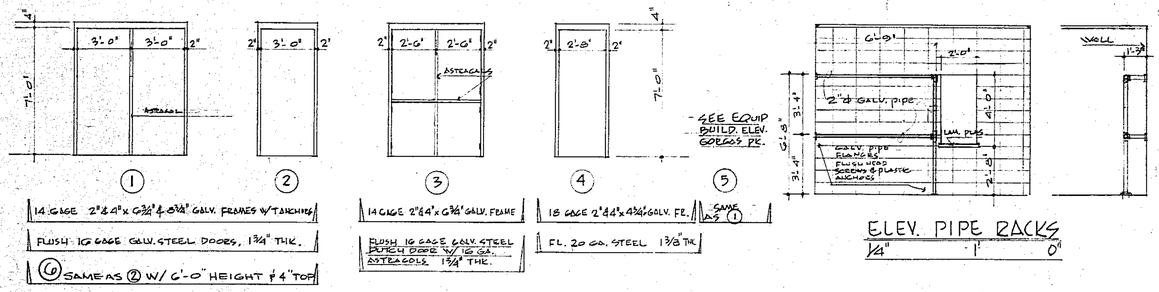


D. E. BRITT ASSOCIATES
CONSULTING ENGINEERS
433 BEL AIR BLVD
MOBILE, ALABAMA

BATH HOUSE AND SWIMMING POOL
GORGAS PARK POOL
DONALD ST
CITY OF MOBILE

ALABAMA REGISTERED No. 4790 ENGINEER

DRAWN BY: SJR
CHECKED BY: EEL
JOB NO 440
DATE: 25 DEC 74
SHEET NO 1
OF 13



14 GAGE 2"&4"x G3½"&4-0¾" GALV. FRAMES W/TANCHES

FLUSH 16 GAGE GALV. STEEL DOORS, 1¾" THK.

⑥ SAME AS ② W/ 6'-0" HEIGHT # 4" TOP

14 GAGE 2"&4"x G3½" GALV. FRAME

FLUSH 16 GAGE GALV STEEL PATCH DOOR W/ 16 GA. ASTRAGALS 1¾" THK.

18 GAGE 2"&4"x 4¾" GALV. FR.

FL. 20 GA. STEEL 1¾" THK.

SAME AS ①

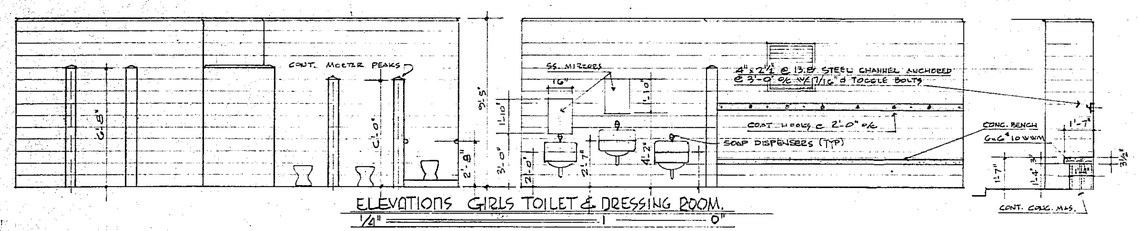
DOOR SCHEDULE

ELEV. PIPE RACKS

1/4" 1' 0"

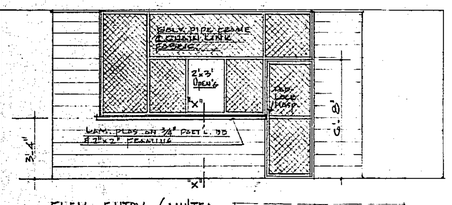
ROOM FINISH SCHEDULE

AREA	FLOOR			BASE			WALL	DOORS & FRAMES	CLG	CLG. HT.	CROWN MOLD	NOTES
	ALT N° 2: CONC. & HARDENER FIN. BROOM	ALT. No. 1: CERAMIC TILE	BASE BID: CERAMIC TILE	ALT N° 2: NONE	ALT No. 1: 4" CERAMIC TILE	BASE BID: 4" CERAMIC TILE	EPOXY ON CONC. MASONRY	EPOXY ON STEEL	ENAMEL ON PLYWOOD		VP. 85 ENAMELLED	
ENTRY	■		■	■		■	■	■	■	9'-5"	■	
CONTROL	■		■	■		■	■	■	■	do	■	
CORRIDOR	■		■	■		■	■	■	■	do	■	
BOYS' DRESSING	■	■	■	■	■	■	■	■	■	do	■	
GIRLS' DRESSING	■	■	■	■	■	■	■	■	■	do	■	
BOYS' TOILET	■	■	■	■	■	■	■	■	■	do	■	
GIRLS' TOILET	■	■	■	■	■	■	■	■	■	do	■	
EMPLOYEES	■		■	■		■	■	■	■	do	■	
STORAGE	■		■	■		■	■	■	■	do	■	



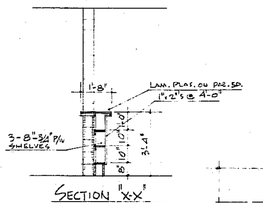
ELEVATIONS GIRLS TOILET & DRESSING ROOM.

1/4" 1' 0"



ELEV. ENTRY COUNTER

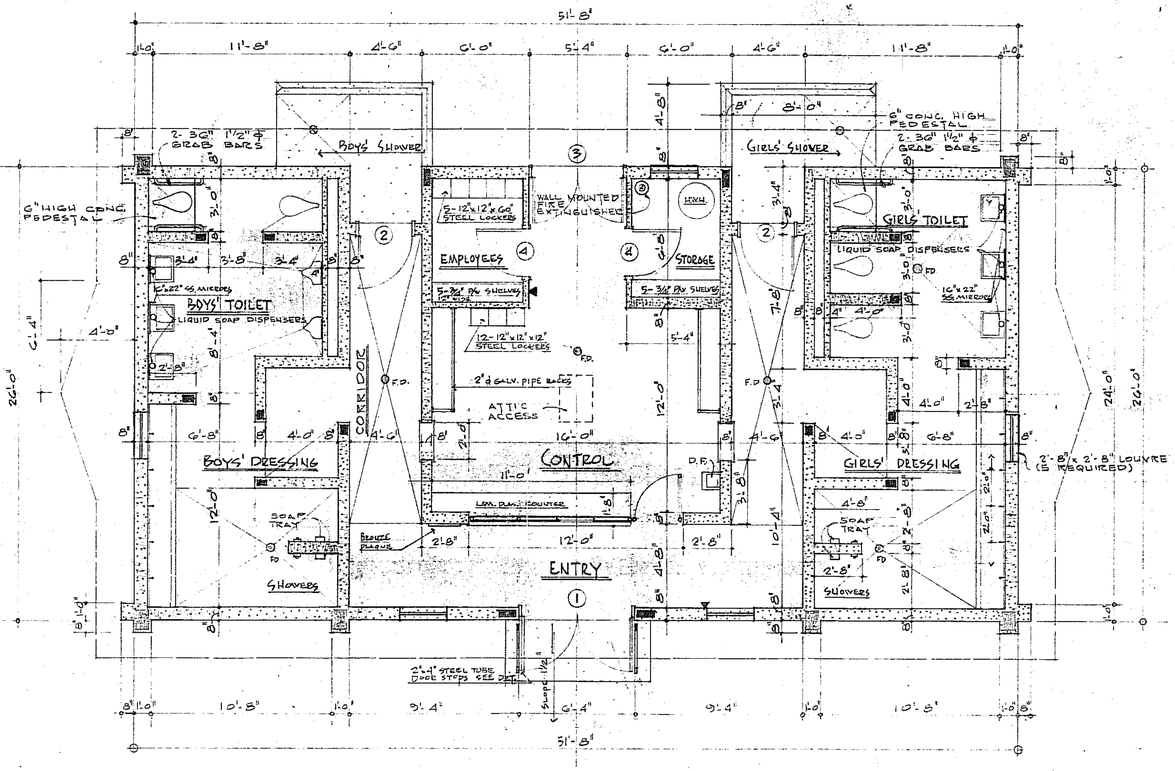
1/4" 1' 0"



SECTION "XX"

FOUNDATION PLAN

1/4" 1' 0"



FLOOR PLAN

1/4" 1' 0"

REVISIONS

REVISED MARCH 14, 75 AS PER ADDENDUM 1 & 2

Record Drawings

D. E. BRITT ASSOCIATES

CONSULTING ENGINEERS

433 BEL AIR BLVD MOBILE, ALABAMA

BATH HOUSE AND SWIMMING POOL FOR GORGAS PARK POOL

DONALD ST MOBILE

CITY OF

ALABAMA REGISTERED No. 4780 ENGINEER

DRAWN BY: S.J.P.

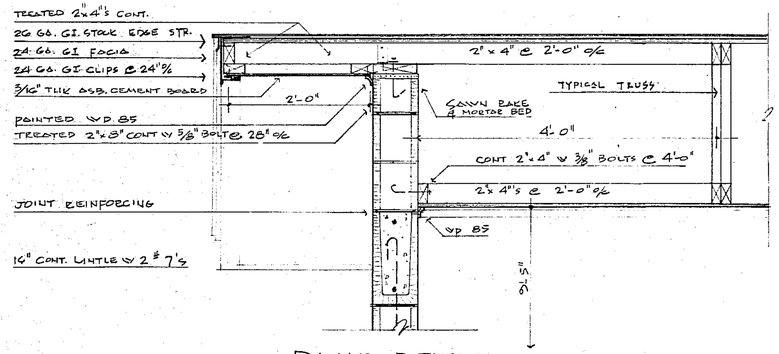
CHECKED BY: D.E.B.

JOB N° 440

DATE: 25 DEC. 74

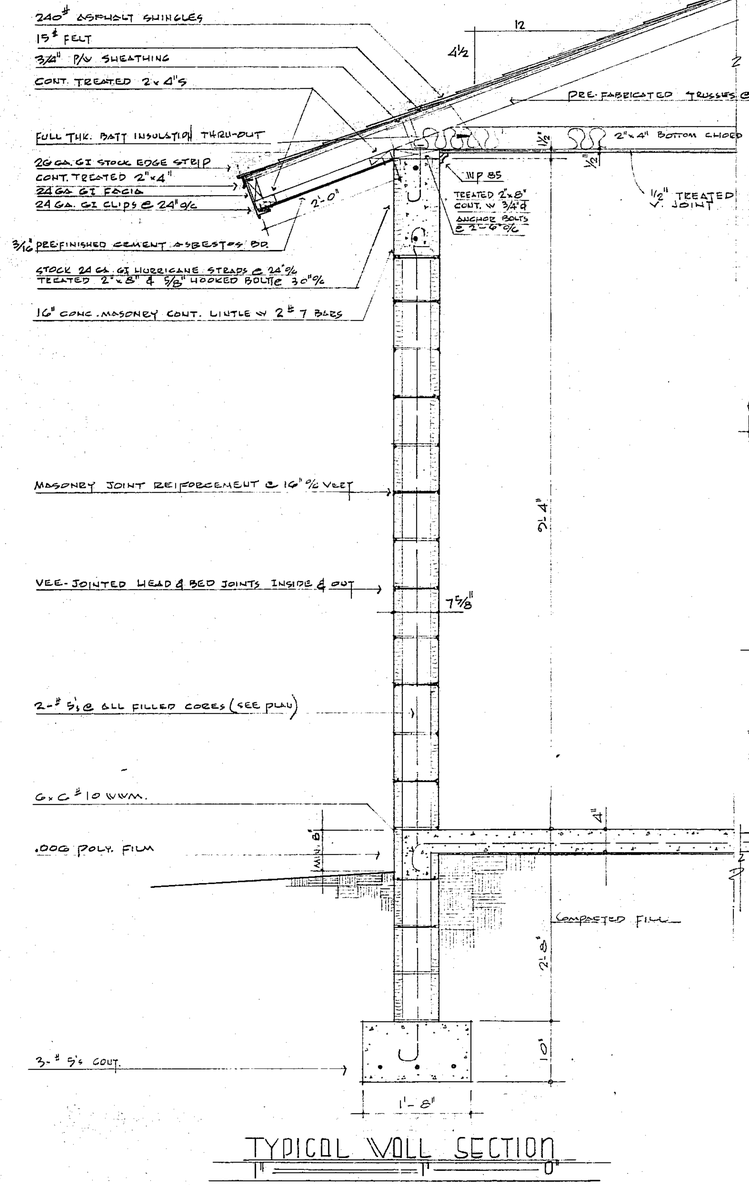
SHEET N° 2 OF 13

Record Drawings



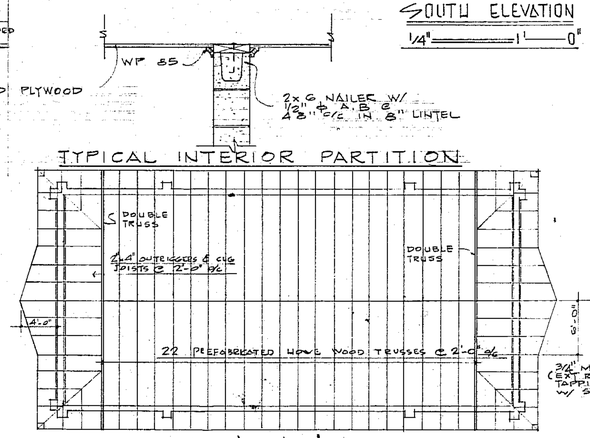
RAKE DETAIL

1" = 1'-0"



TYPICAL WALL SECTION

1" = 1'-0"

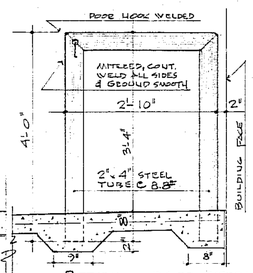


TYPICAL INTERIOR PARTITION

1" = 1'-0"

Note!

WOOD TRUSSES SHALL BE FABRICATED BY AN APPROVED F.H.A MANUFACTURER MEETING ALL CITY OF MOBILE CODE REQUIREMENTS.

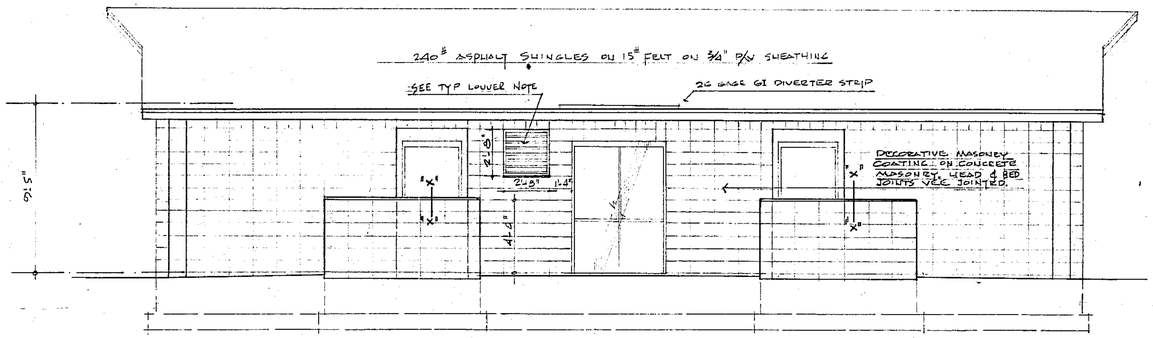


DETAIL OF DOOR STOPS

3/4" = 1'-0"

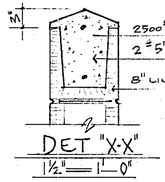
ROOF FRAMING PLAN

1/8" = 1'-0"



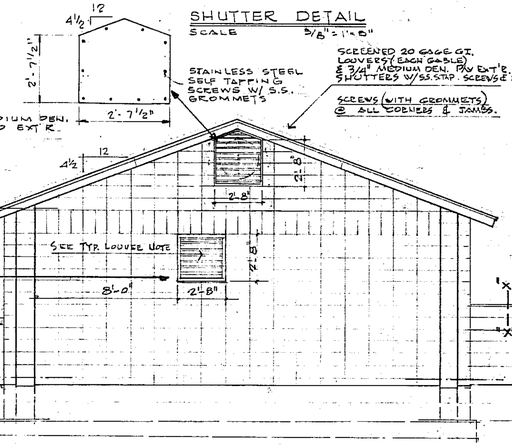
SOUTH ELEVATION

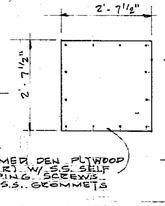
1/4" = 1'-0"



DET "X-X"

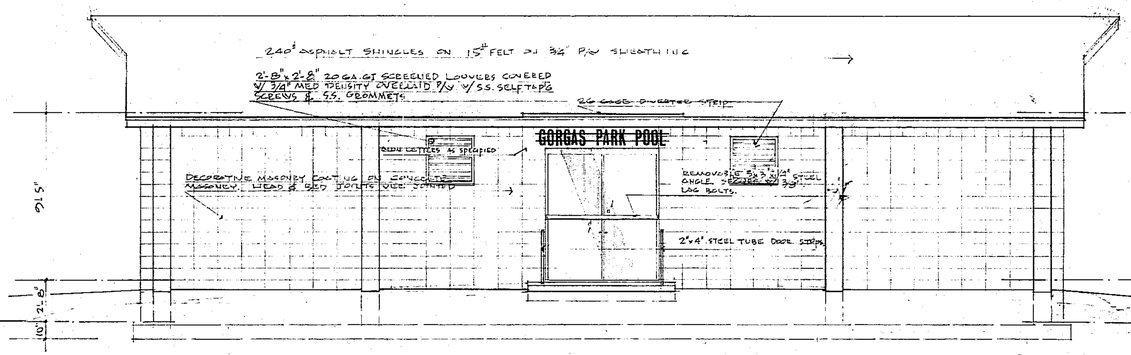
1½" = 1'-0"





WEST ELEVATION (EAST ELEVATION SIMILAR BUT OPPOSITE)

1/4" = 1'-0"



NORTH ELEVATION

1/4" = 1'-0"

REVISIONS

D. E. BRITT ASSOCIATES

CONSULTING ENGINEERS

MOBILE, ALABAMA

433 BEL AIR BLVD

BATH HOUSE AND SWIMMING POOL

GORGAS PARK POOL

DONALD ST.

CITY OF MOBILE

ALABAMA REGISTERED No. 4750 ENGINEER R. H. LACY

DRAWN BY S.J.P.

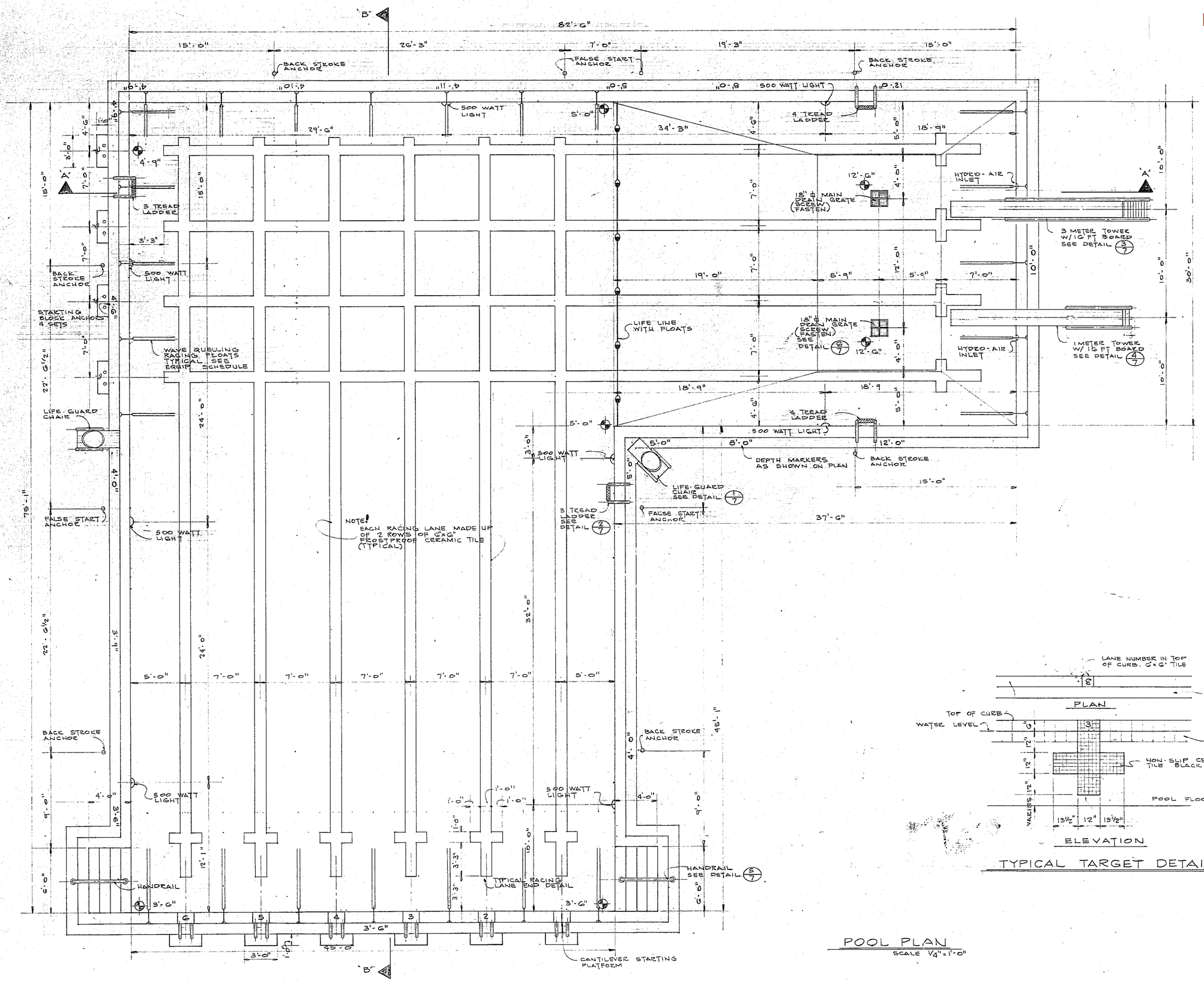
CHECKED BY E.E.L.

JOB NO 440

DATE: 25 DEC 74

SHEET NO 3 OF 13

Record Drawings



TYPICAL TARGET DETAIL

POOL PLAN
SCALE 1/4"=1'-0"

REVISIONS

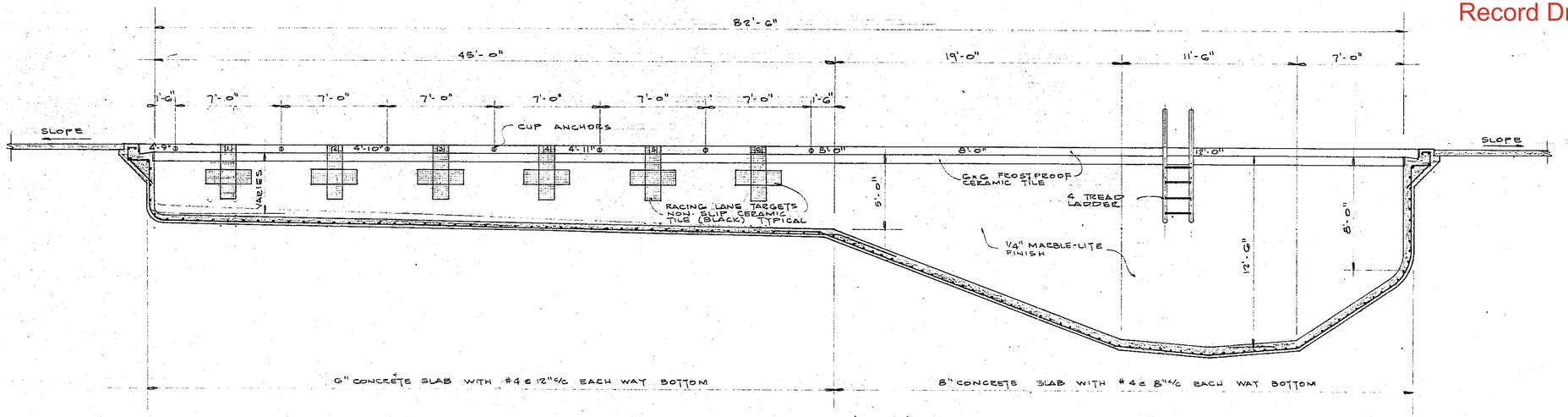
D. E. BRITT ASSOCIATES
CONSULTING ENGINEERS
433 BEL AIR BLVD MOBILE, ALABAMA

SWIMMING POOL AND BATH HOUSE FACILITY
CORGAS PARK POOL
DONALD ST
CITY OF MOBILE

ALABAMA REGISTERED No. 4790 ENGINEER

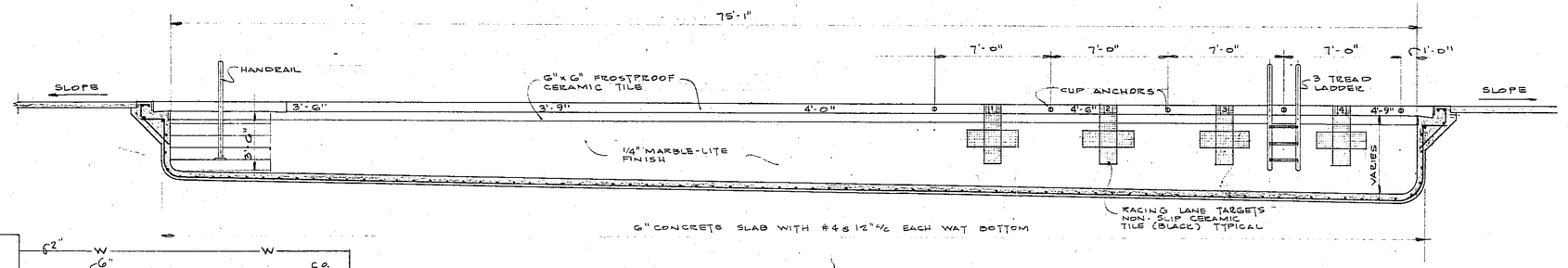
DRAWN BY JLT
CHECKED BY RKL
JOB NO 440
DATE 25 Dec. 74
SHEET Nº 4
OF 13

Record Drawings



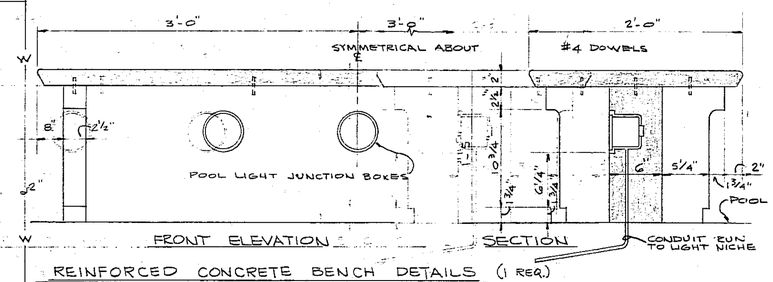
SECTION 'A-A'

SCALE 1/4" = 1'-0"



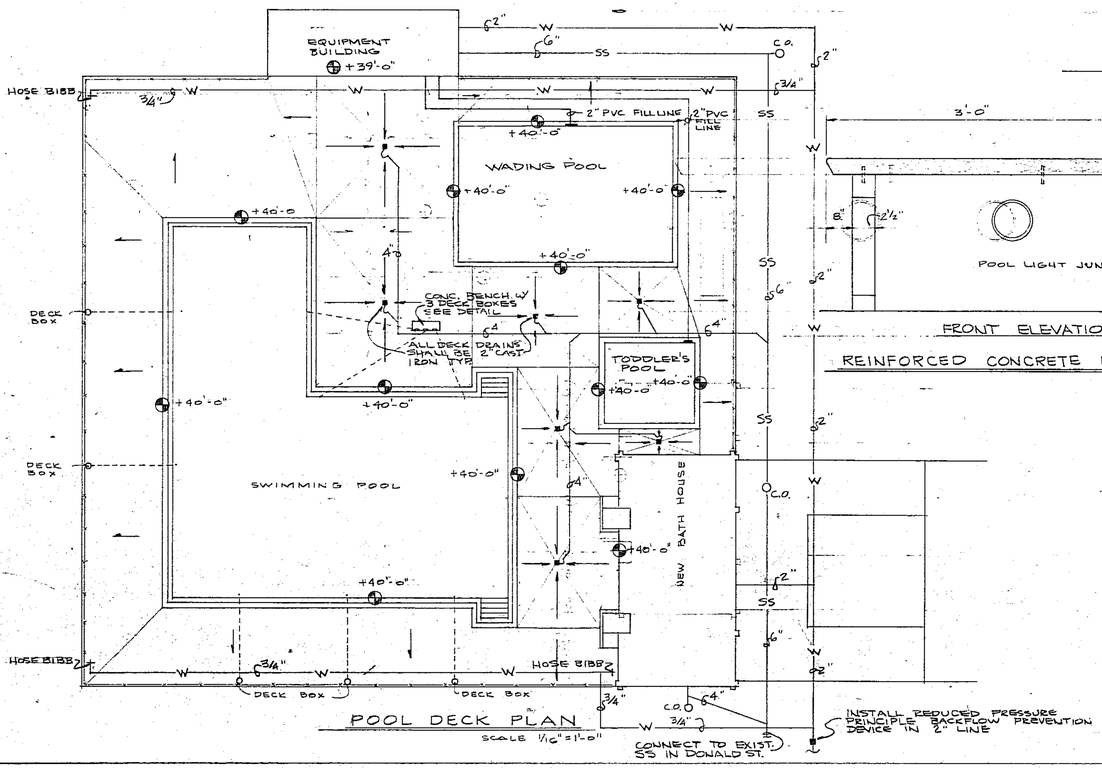
SECTION 'B-B'

SCALE 1/4" = 1'-0"



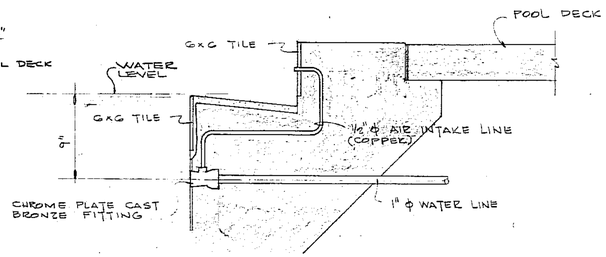
REINFORCED CONCRETE BENCH DETAILS (1 REQ.)

SCALE 1 1/2" = 1'-0"



POOL DECK PLAN

SCALE 1/16" = 1'-0"



TYPICAL AIR INLET DETAIL

REVISIONS

REVISED MARCH 14, 75 AS PER ADDENDUM 1 & 2

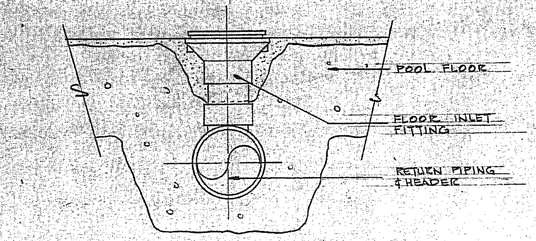
D. E. BRITT ASSOCIATES
CONSULTING ENGINEERS
433 BEL AIR BLVD MOBILE, ALABAMA

SWIMMING POOL AND BATH HOUSE FACILITY
CORGAS PARK POOL
DONALD ST MOBILE CITY OF

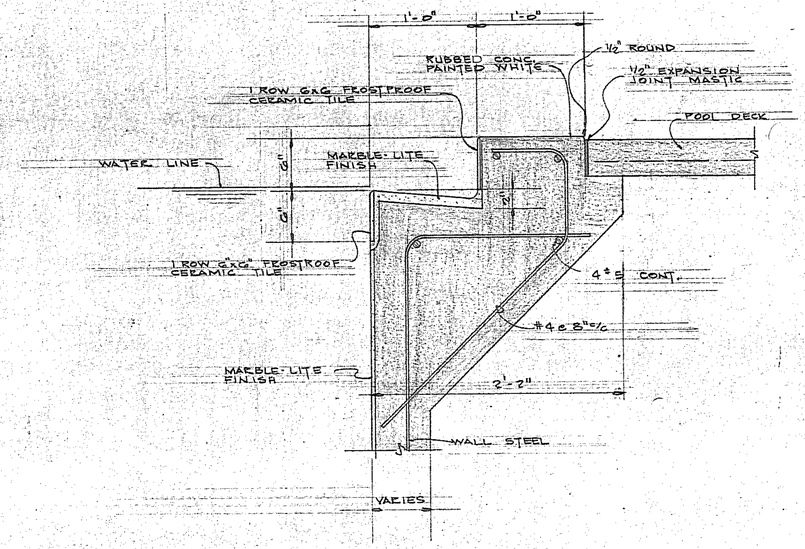
ALABAMA REGISTERED No. 6730 ENGINEER R. LACY

DRAWN BY JLT
CHECKED BY REL
JOB NO 440
DATE 25 DEC 74
SHEET NO. 5
OF 13

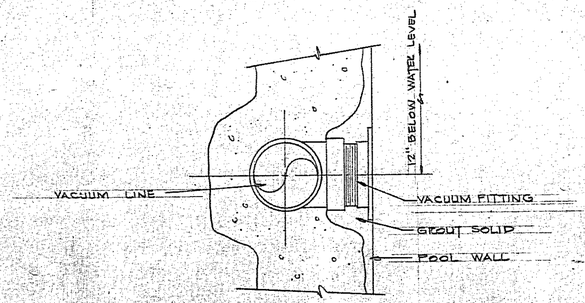
Record Drawings



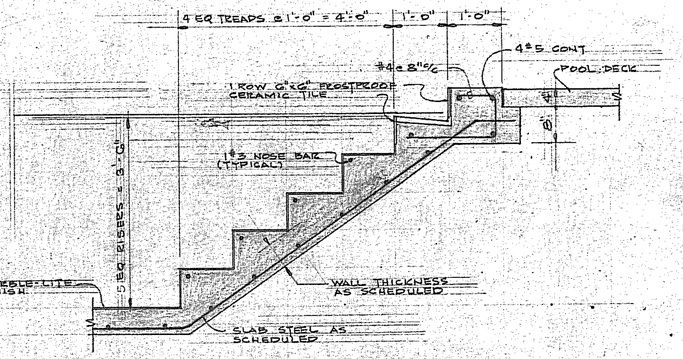
TYPICAL FLOOR INLET DETAIL



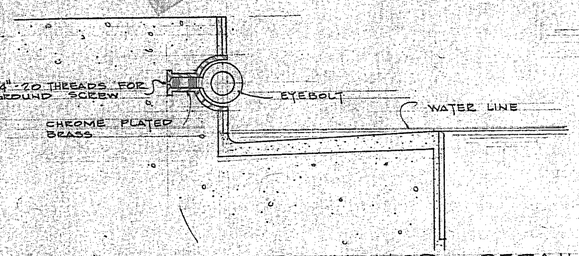
TYPICAL GUTTER DETAIL



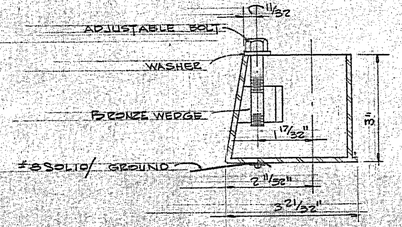
TYPICAL VACUUM FITTING DETAIL



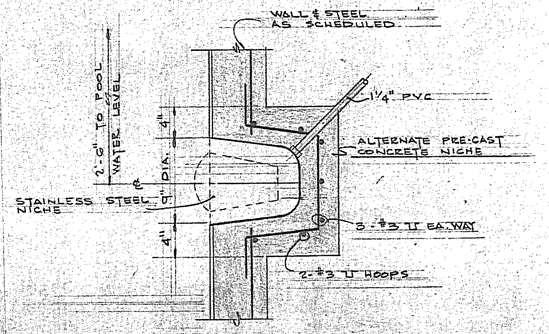
TYPICAL STEPS DETAIL



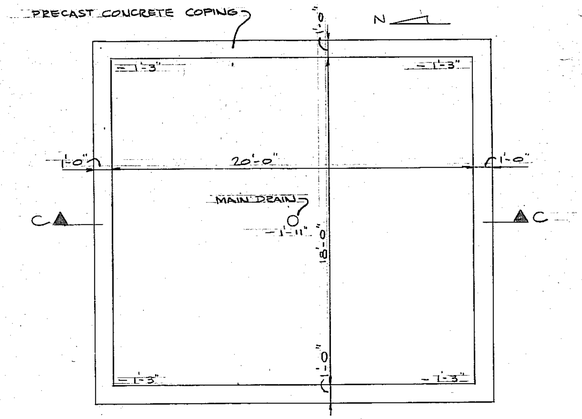
TYPICAL CUP ANCHOR DETAIL



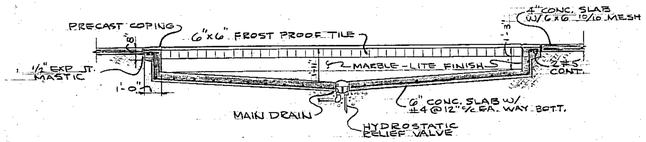
TYPICAL WEDGE ANCHOR DETAIL



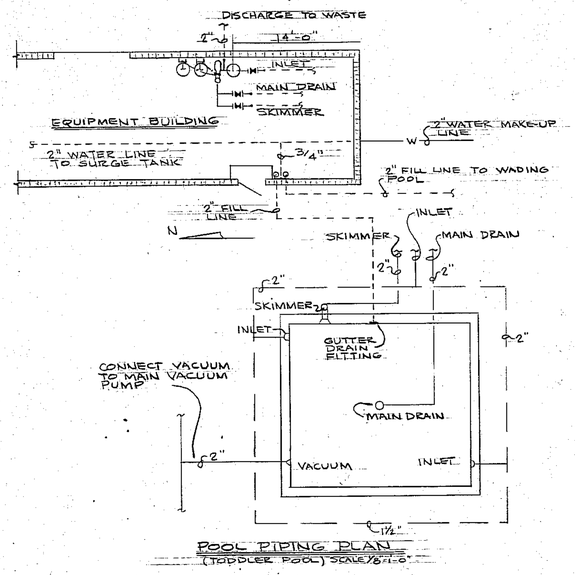
TYPICAL LIGHT NICHE DETAIL



PLAN OF TODDLER'S POOL
SCALE ¼"=1'-0"



SECTION C-C



POOL PIPING PLAN
(TODDLER POOL) SCALE 3/8"=1'-0"

TODDLER POOL EQUIPMENT SCHEDULE

NO.	ITEM	MFGR.	CAT. NO.	DESCRIPTION
1	MAIN DRAIN	SWIMQUIP	7017-745	8" CYCOLAC W/HYDROSTATIC RELIEF VLV.
1	VACUUM FTG.	HAYWARD	SP-1022	1½" FTG. W/SP-1022B PLUG
2	INLET FTG.	SWIMQUIP	8425	CYCOLAC ADJ. EYEBALL
1	SKIMMER	SWIMQUIP	8650-32	CYCOLAC SKIMMER
1	SLURRY FEEDER	MEC-O-MATIC	475-C	CHEMICAL FEEDER
2	CROCK			30 GAL. POLYETHELENE STORAGE TANK
1	CHLORINATOR	MEC-O-MATIC	475-C	CHEMICAL FEEDER
1	FILTER	SWIMQUIP	24753-116	COMPLETE W/ VALVES, STRAINER, & GUAGES
1	GUTTER DRAIN	SWIMQUIP	7520	CAST BRONZE C.P.B. GRATE

REVISION

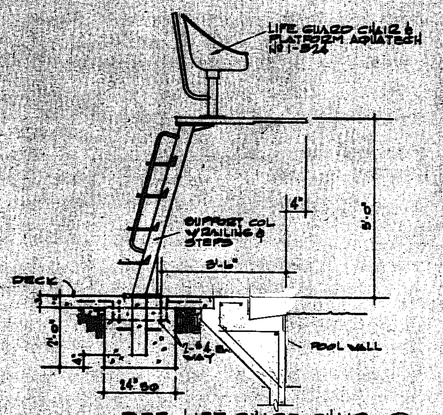
REVISED MARCH 14, 75 AS PER ADDENDUM # 2.

D. E. BRITT ASSOCIATES
CONSULTING ENGINEERS
433 BEL AIR BLVD
MOBILE, ALABAMA

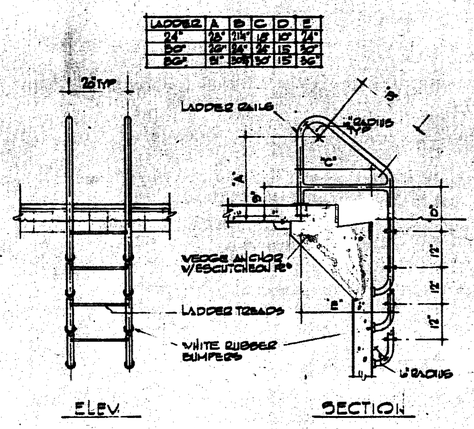
SWIMMING POOL AND BATH HOUSE FACILITY
CORGAS PARK POOL
DONALD ST
CITY OF Mobile

ALABAMA REGISTERED No. 4790 ENGINEER R. L. LACY

DRAWN BY JLT
CHECKED BY KRL
JOB NO 440
DATE 25 DEC 74
SHEET NO 6 OF 13



DET. LIFE GUARD CHAIR (1/7)



LADDER	A	B	C	D	E
24"	25"	21¾"	18"	10"	74"
30"	30"	26¾"	24"	15"	80"
36"	36"	32¾"	30"	15"	86"

LADDER DETAIL (2/7)

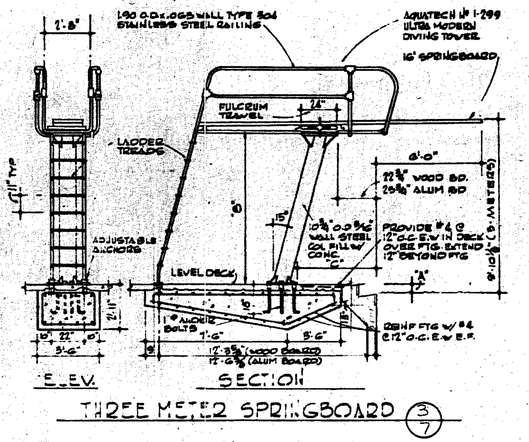
SPECIFICATIONS:

LADDER RAILS SHALL BE FABRICATED OF 1.90" O.D. x .065" WALL 304 S/STLPE W/MIRROR FIN. CROSS BRACE SHALL BE HELI-ARCH WELDED TO FRONT & REAR RAILS. ALL BENDS SHALL BE 6" RADIUS. LADDER RAILS SHALL BE FASTENED TO POOL DECK W/ VEDGE ANCHORS. LOWER ENDS OF RAILS SHALL BE CURVED TO FIT AGAINST POOL WALL & FITTED W/ WHITE RUBBER BUMPERS.

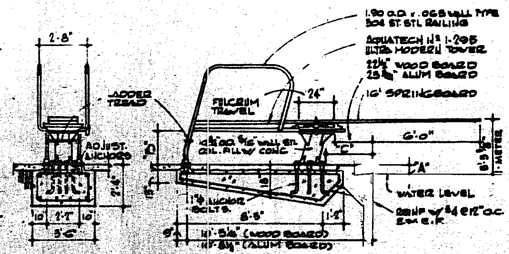
TREADS SHALL BE 3" WIDE x 1⅛" DEEP x 18¼" LONG. .049 304 6/6 MIRROR FIN W/ PERMANENTLY BONDED NON SKID SURFACE. EA END OF TREAD SHALL HAVE A .95" RADIUS W/A 25/64" DIA HOLE. TREADS SHALL BE BOLTED TO RAILS 12" O.C. W/ (2) ⅜"ø GUSSET BOLTS.

ALL WELDS, SHARP CORNERS & EDGES SHALL BE GROUND SMOOTH & POLISHED TO A MIRROR FINISH AFTER FABRICATION.

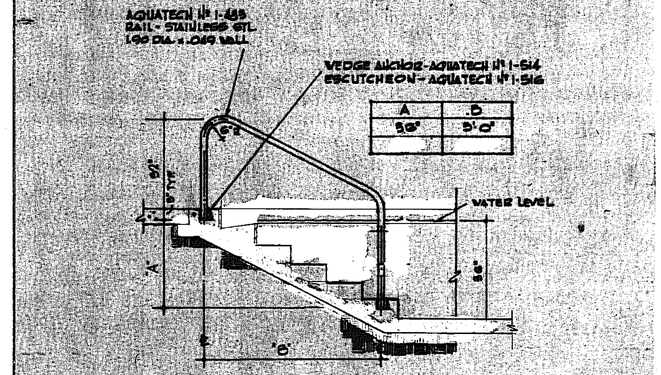
AQUATECH-24"-30"-36 COMMERCIAL LADDER W/ CROSS BRACE



THREE METER SPRINGBOARD (3/7)



ONE METER SPRINGBOARD (4/7)

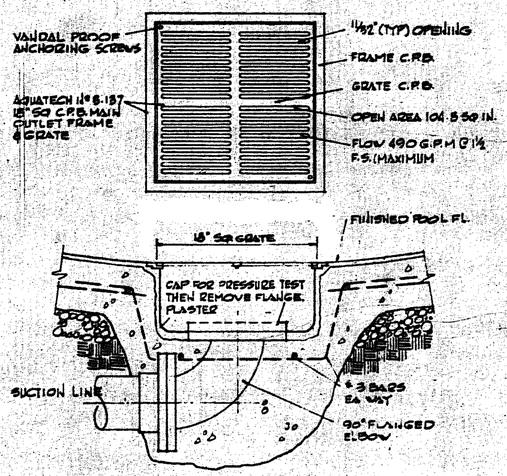


HANDRAIL DET. (5/7)

SPECIFICATIONS:

STEP HANDRAIL SHALL BE FABRICATED OF 1.90 O.D. x .049 WALL, TYPE 304 POLISHED STAINLESS STEEL TUBING AS SHOWN ON THE PLANS. VERTICAL RISERS SHALL BE 60" ON CENTERS & SECURED TO DECK & LOWER STEP IN CAST BRONZE ANCHORS COVERED W/CHROME PLATED BRASS ESCUTCHEONS.

HANDRAILS SHALL BE AQUATECH № 1-481

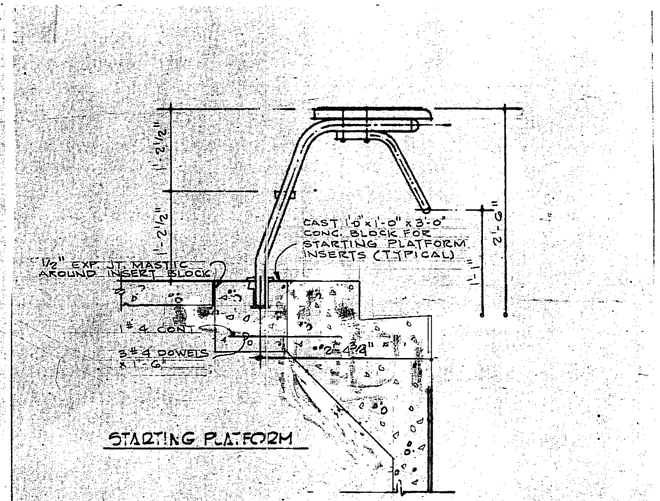


18" SQ MAIN OUTLET DETAIL (6/7)

SPECIFICATIONS:

MAIN OUTLET SHALL BE A 18" SQUARE, 4" DEEP, CHROME PLATED, CAST BRONZE FRAME W/GRATE 16" SQ. GRATE OPENINGS SHALL NOT EXCEED 1½2" IN WIDTH PROVIDING AN OPEN FLOW AREA OF NOT LESS THAN 104.5 SQ. IN. THE GRATE SHALL FIT FRAME CLOSELY & BE FLUSH W/ TOP SURFACE, & BE SECURED TO FRAME W/ TWO (2) NICKLE/BRASS SCREWS.

MAIN OUTLET FRAME & GRATES SHALL BE AQUATECH № S-137 ____ 2500.



STARTING PLATFORM

Record Drawings

D. E. BRITT ASSOCIATES
CONSULTING ENGINEERS
433 BEL AIR BLVD
MOBILE, ALABAMA

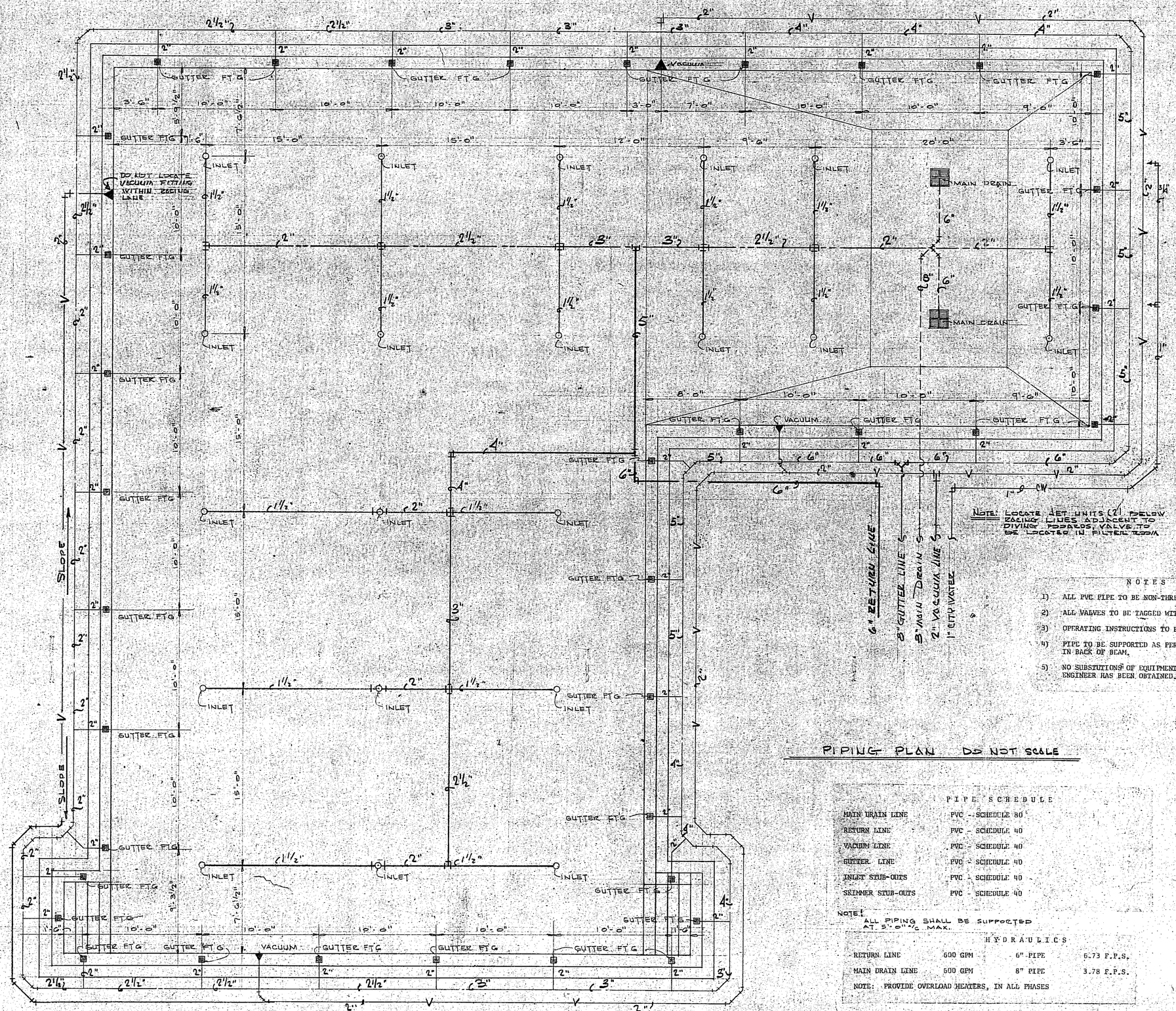
SWIMMING POOL AND BATH HOUSE FACILITY
CORGAS PARK POOL
DONALD ST
CITY OF MOBILE

D.
433

REGISTERED ENGINEER No. 5150 STATE OF ALABAMA

DRAWN BY JLT
CHECKED BY RRL
JOB NO 440
DATE 25 DEC 74
SHEET NO 7
OF 13

Record Drawings



Note: LOCATE SET UNITS (2) BELOW RACING LINES ADJACENT TO DIVING BOARDS. VALVE TO BE LOCATED IN FILTER ROOM

6" ZETHON LINE
3" GUTTER LINE
3" MAIN DRAIN
2" VACUUM LINE
1" CITY WATER

NOTES

1) ALL PVC PIPE TO BE NON-THREADED AND NSF APPROVED.
2) ALL VALVES TO BE TAGGED WITH NUMBERED METAL TAGS.
3) OPERATING INSTRUCTIONS TO BE POSTED IN WATERPROOF FRAME IN FILTER ROOM.
4) PIPE TO BE SUPPORTED AS PER SCHEDULE WITH PIPE HANGERS HUNG FROM DOWELS INSERTED IN BACK OF BEAM.
5) NO SUBSTITUTIONS OF EQUIPMENT SHALL BE ALLOWED UNLESS PRIOR APPROVAL OF DESIGN ENGINEER HAS BEEN OBTAINED.

PIPING PLAN DO NOT SCALE

PIPE SCHEDULE

MAIN DRAIN LINE	PVC - SCHEDULE 80
RETURN LINE	PVC - SCHEDULE 40
VACUM LINE	PVC - SCHEDULE 40
GUTTER LINE	PVC - SCHEDULE 40
INLET STUB-OUTS	PVC - SCHEDULE 40
SKIMMER STUB-OUTS	PVC - SCHEDULE 40

NOTE: ALL PIPING SHALL BE SUPPORTED AT 5'-0" c MAX.

HYDRAULICS

RETURN LINE	600 GPM	6" PIPE	6.73 F.P.S.
MAIN DRAIN LINE	600 GPM	8" PIPE	3.78 F.P.S.

NOTE: PROVIDE OVERLOAD HEATERS, IN ALL PHASES

REVISIONS

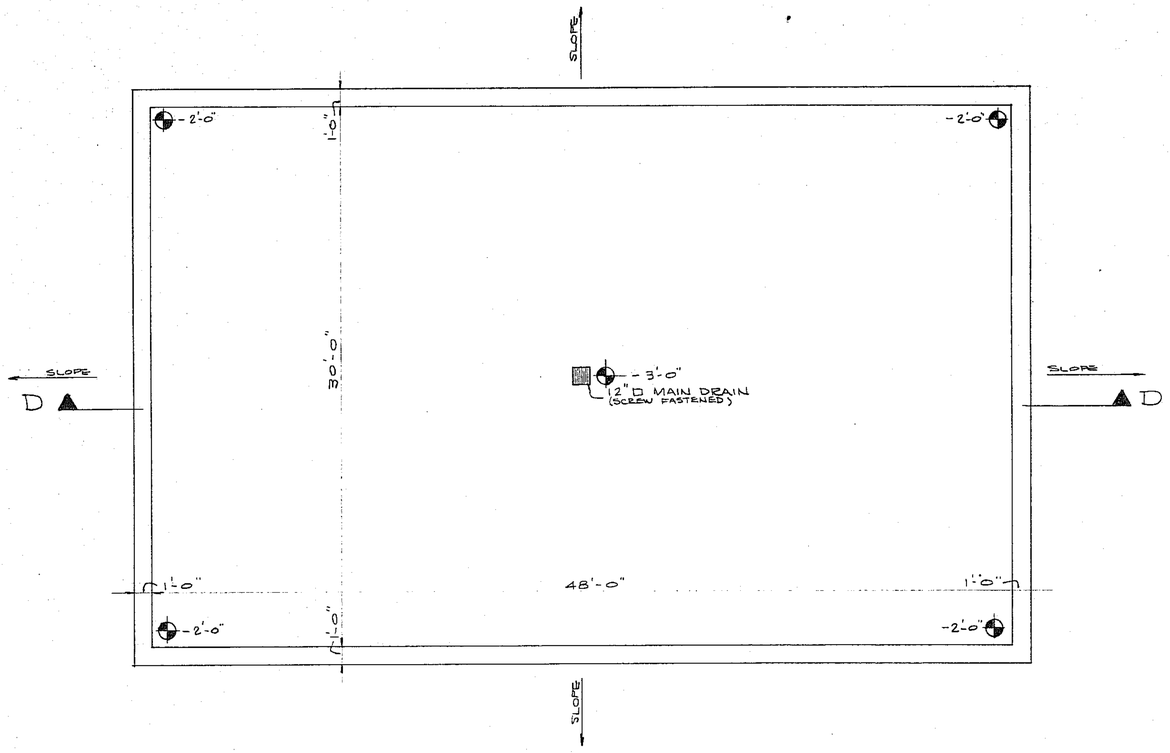
D. E. BRITT ASSOCIATES
CONSULTING ENGINEERS
433 BEL AIR BLVD
MOBILE, ALABAMA

SWIMMING POOL AND BATH HOUSE FACILITY
GORGAS PARK POOL
CITY OF Mobile
DONALD ST

ALABAMA REGISTERED No. 4790 ENGINEER R. L. LACY

DRAWN BY JLT & JD
CHECKED BY RBL
JOB NO. 440
DATE 25 DEC 74
SHEET NO. 8 OF 13

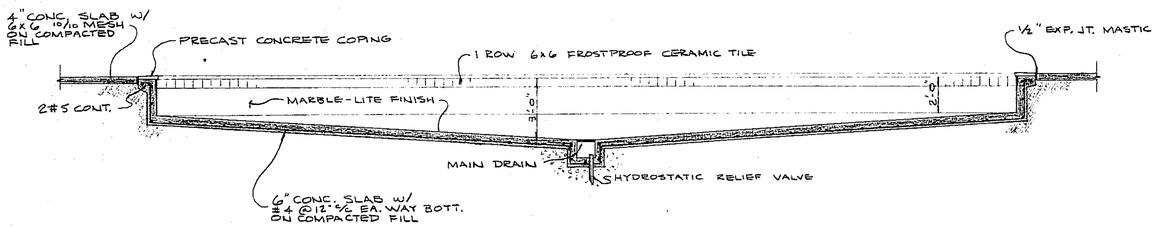
Record Drawings



PLAN OF WADING POOL

N

SCALE 1/4" = 1'-0"



SECTION D-D

SCALE 1/4" = 1'-0"

MECHANICAL SPECIFICATIONS AND EQUIPMENT LISTS

VOLUME: 24,240 GALLONS

RECIRCULATION RATE: 15 GPM PER FT² FILTER AREA

TURNOVER RATE: 6 HOURS

THE FOLLOWING EQUIPMENT OR ITS EQUAL SHALL BE USED AND SHALL BE INSTALLED AS PER PLANS AND/OR MANUFACTURERS SPECIFICATIONS:

NO.	ITEM	MFGR.	CAT. NO.	DESCRIPTION
1	PUMP	SWIMQUIP	XL-111	1½ H.P., 75 GPM. @ 65' T.D.H. WITH 6" STRAINER SINGLE PHASE
1	STRAINER	SWIMQUIP		55 CUBIC INCH CAPACITY (MIN.)
2	GUAGES	MARSHALTOWN		2½" DIA. 0-60 PSI.
1	FLOWMETER	BLUE-WHITE	F-300	2" WITH 20-125 GPM
2	CHEM. FEEDERS	CHEM-TECH	030	SINGLE HEAD, POS. DISPL. TYPE, 30 GPD EA. HEAD
2	SOLUTION TANKS			30 GAL. POLYETHYLENE (EA.)
1	MAIN DRAIN	SWIMQUIP	7120	12" SQUARE SCREWFASTENED, VANDAL PROOF C.P.B.
1	VACUUM FTG.	HAYWARD	SP-1022	1½" FTG. WITH SP-1022 B PLUG
6	INLET FTG.	SWIMQUIP		
4	SKIMMERS	SWIMQUIP	U-3, 8650-32	2" WITH FLOAT ASSEMBLY
2	ANCHORS	AM. SANITORY	41656	WEDGE TYPE BRONZE WITH GROUNDING SCREW
2	ESCUTCHEON	SWAN		1½" STAINLESS STEEL
1	LIFE RING	SWIMQUIP	9463	20" DIA. WITH 50' LINE (ATTACHED)
1	LIFE HOOK	SWIMQUIP	9642	WITH 16' ALUMINUM HANDLE
1	FILTER	SWIMQUIP	24752-131	H.R. P-30 HI-RATE SAND @ 75 GPM W/4.9 SQ. F.A.
1	GUTTER DRAIN	SWIMQUIP	7520	CAST BRONZE C.P.B. GRATE

PIPE SCHEDULE

MAIN DRAIN LINE	PVC - SCHEDULE 40
RETURN LINE	PVC - SCHEDULE 40
VACUUM LINE	PVC - SCHEDULE 40
SKIMMERS	PVC - SCHEDULE 40
INLET STUB-OUTS	PVC - SCHEDULE 40
SKIMMER STUB-OUTS	PVC - SCHEDULE 40

NOTE!
ALL PIPING SHALL BE SUPPORTED @ 5'-0" O/C

HYDRAULICS

RETURN LINE	75 G.P.M.	2" PIPE	7.57 F.P.S.
MAIN DRAIN LINE	75 G.P.M.	4" PIPE	1.89 F.P.S.

REVISIONS

REVISED MARCH 14, 1975 AS PER ADDENDUM 1 & 2

D. E. BRITT ASSOCIATES
CONSULTING ENGINEERS
433 BEL AIR BLVD MOBILE, ALABAMA

BATH HOUSE AND SWIMMING POOL

GORGAS PARK POOL

DONALD ST CITY OF MOBILE

ALABAMA REGISTERED No. 4790 ENGINEER R.E.L.A.

DRAWN BY E.B.

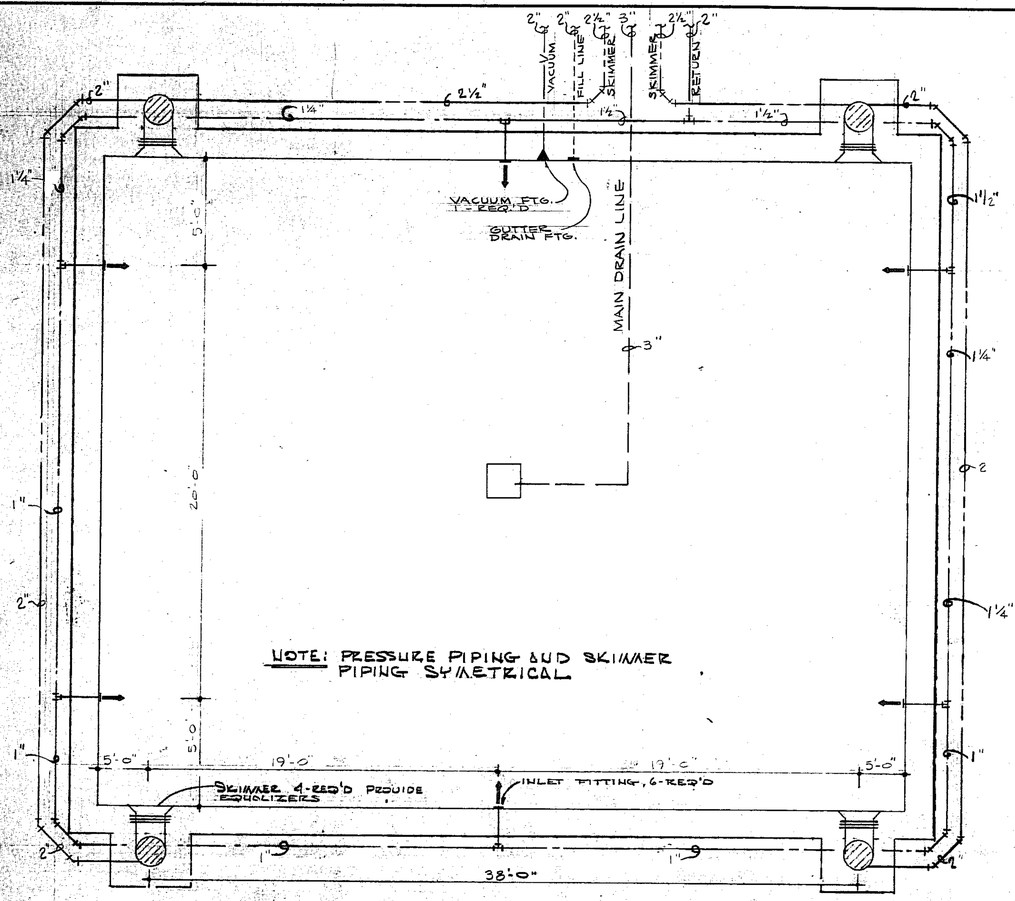
CHECKED BY R.R.L.

JOB NO. 440

DATE FEB 28, 1975

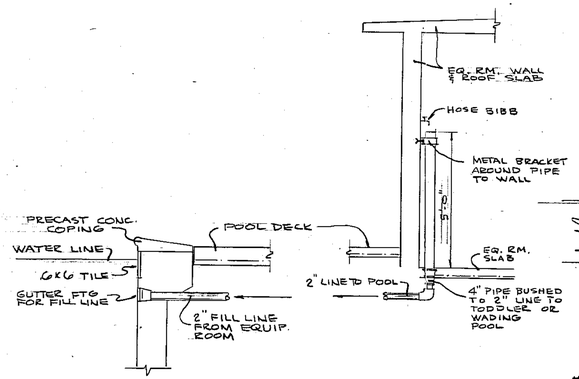
SHEET NO. 9 OF 13

Record Drawings



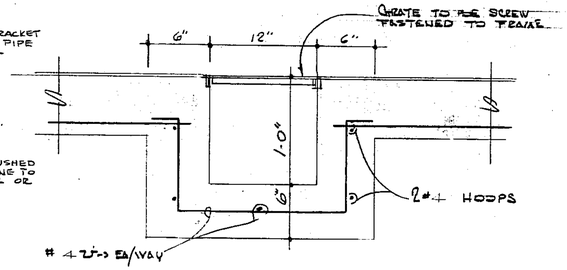
NOTE: PRESSURE PIPING AND SKIMMER PIPING SYMETRICAL

PIPING PLAN NO SCALE



POOL FILL LINE DETAILS
NO SCALE

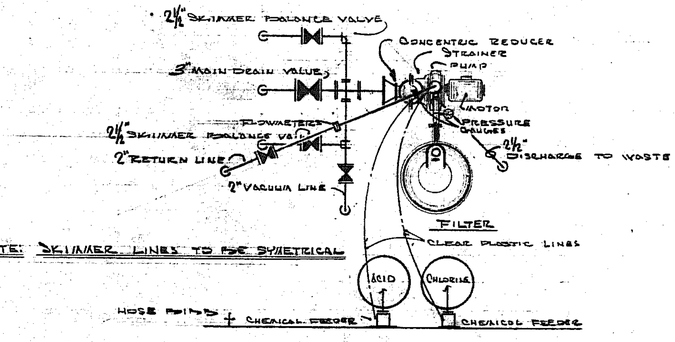
NOTE: THIS DETAIL APPLYS TO THE WADING & TODDLERS



MAIN DRAIN DETAIL
SCALE: 1½"=1'-0"

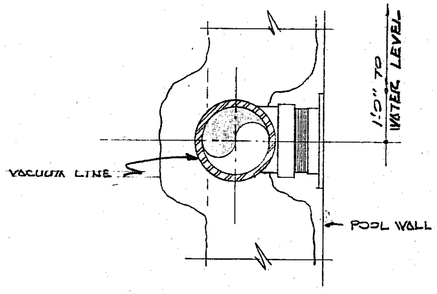
WEDGE ANCHOR N.T.S.

BEAM DETAIL SCALE: 1½"=1'-0"

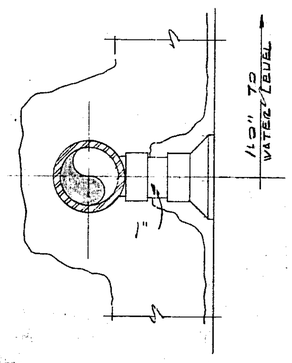


NOTE: SKIMMER LINES TO BE SYMETRICAL

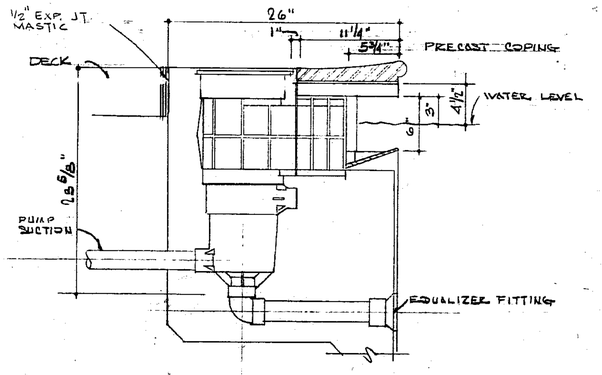
FILTER UNIT PLAN NO SCALE



VACUUM FITTING NO SCALE



INLET FITTING NO SCALE



SKIMMER DETAIL N.T.S.

REVISIONS
REVISED MARCH 4, 73 AS PER ADDENDUM 1 & 2

D. E. BRITT ASSOCIATES
CONSULTING ENGINEERS
433 BEL AIR BLVD
MOBILE, ALABAMA

SWIMMING POOL AND BATH HOUSE FACILITY
CORGAS PARK POOL
DOUGLAS ST
CITY OF MOBILE

DRAWN BY JD
CHECKED BY KRL
JOB NO 440
DATE
SHEET NO 10 OF 13

Record Drawings

MECHANICAL SPECIFICATIONS AND EQUIPMENT LIST

VOLUME: 212,478 GALLONS

RECIRCULATING RATE: 20 GPM PER SQ. FT. FILTER AREA

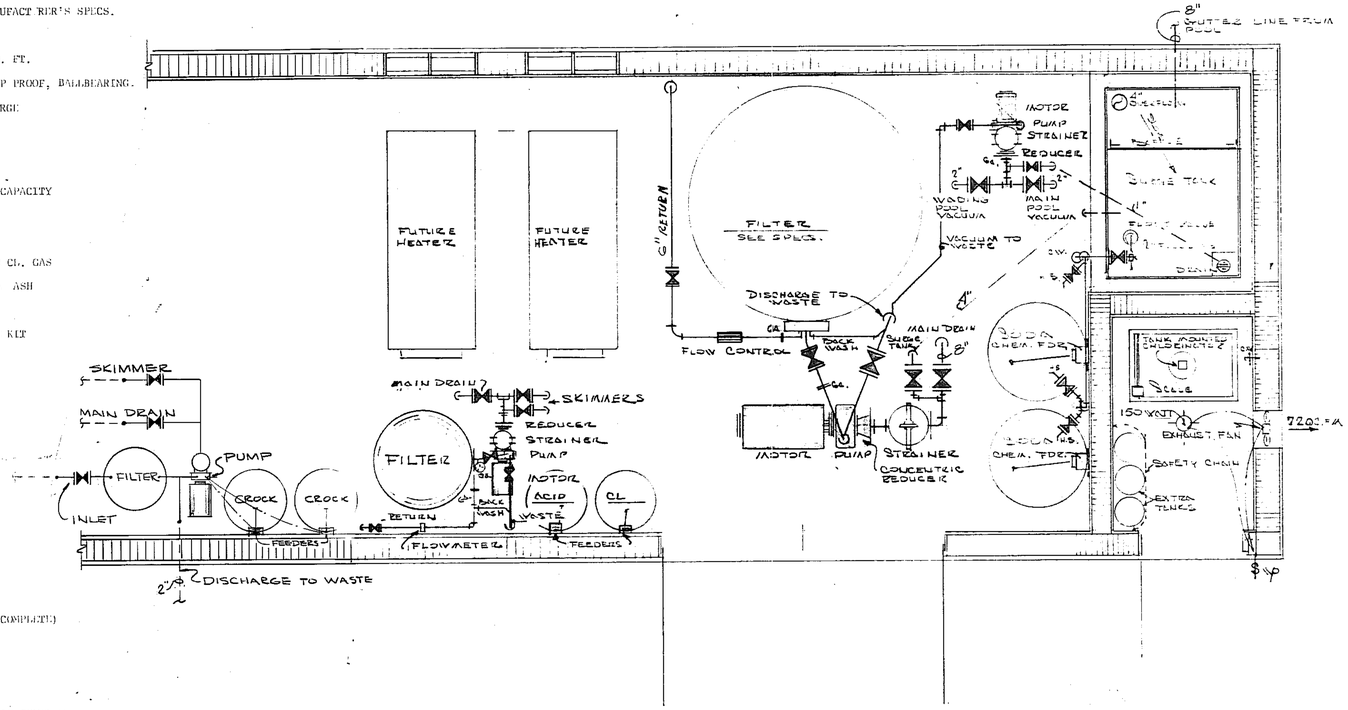
TURNOVER RATE: 6 HOURS

THE FOLLOWING EQUIPMENT OR IT'S EQUAL SHALL BE USED, AND SHALL BE INSTALLED AS PER PLANS AND/OR MANUFACTURER'S SPECS.

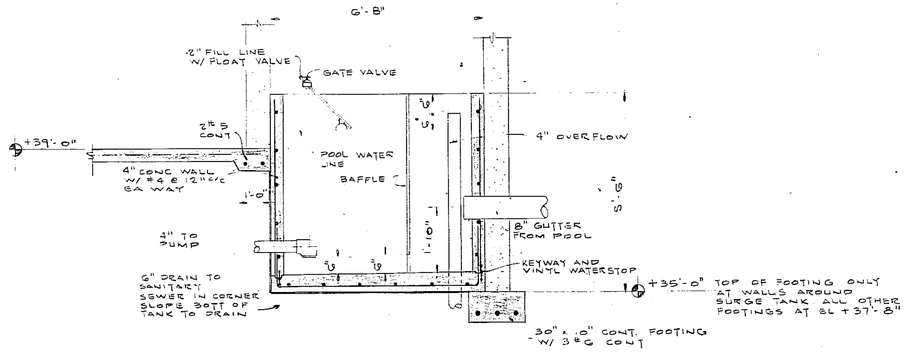
NO.	ITEM	MFGR.	CAT. NO.	DESCRIPTION
1	FILTER	SWIMQUIP	HRL-78	38.2 SQ. FT. F.A. @ 660 GPM MAX. 20# SQ. FT.
1	PUMP	WEINMAN	0K110-6	(PRIMARY) 10 HP., 1750 RPM, 220/440 DRIP PROOF, BALLBEARING.
1	PUMP (VACUUM)	EASTSIDE	M.O.A.	1½ HP. STRAINER, 2½" SUCTION, 2" DISCHARGE
1	VAC. GUAGE			4½" DIAMETER
2	PRESSURE GAUGES	MARSHALTOWN		4½" DIAMETER, 0-60 PSI
1	CHLORINATOR	FISCHER & PORTER	70G1600	PANEL MOUNTED, GAS TYPE, 100 = PER DAY CAPACITY
1	SCALE	FAIRBANKS		100# CAPACITY
1	FAN	GREENHECK EF-1		12" DIAMETER WITH LOUVER, 621 CFM
1	GAS MASK			WITH CANNISTER, FULL FACE WITH CASE FOR CL. GAS
2	CHEM. FEEDERS	MEC-O-MATIC	H30J1	SINGLE HD, POS. DISPL. TYPE 45 GPD SODA ASH
2	SOLUTION TANKS	MEC-O-MATIC		75 GALLON CAPACITY
1	FLOW CONTROL	GRISWOLD	1408	6" FACTORY SET TO 600 GPM WITH METERING KIT
2	MAIN DRAINS	SWIMQUIP	7160	18"x18" FRAME AND GRATE, C.P.B.
4	VACUUM FTGS.	SWIMQUIP	8100	2"x2" C.P.B.
36	GUTTER FTGS.	SWIMQUIP	7520	2" C.P.B.
21	FLOOR INLETS	SWIMQUIP	8015	1½" C.P.B.
2	BOARDS	DURA FLEX		16' ALUMINUM
1	STANDARD	SWIMQUIP	2625	1 METER, ULTRA-MODERN
1	STANDARD	SWIMQUIP	2665	3 METER, ULTRA-MODERN
5	LIGHTS	SWIMQUIP	5072-35	300 WATT, COMPLETE W/ BRASS CONDUIT AND BRASS JUNCTION BOX
2	LADDERS	AQUATECH	30" SPECIAL	4 TREAD, S.S 1.90 O.D. 20# HEAVY DUTY
1	LIFE LINE	AQUATECH	0340	3.4" POLYETHYLENE, 30'-0" WITH FLOATS (COMPLETE)
12	ANCHORS	AQUATECH		1½" WEDGE TYPE
12	ESCUTCHEONS	AQUATECH		1½" C.P.B.
1	TEST SET	LAMOTTE	DOPLEX	DOPLEX CL AND pH COMPARATOR
1	VAC. CLEANER	AM. SANITORY	01409	18" HEAD WITH 50'-2" FLOATING HOSE HANDLE COMPLETE
2	LIFE HOOKS	SWIMQUIP	9002	WITH 16' ALUMINUM HANDLE
2	LIFE RINGS	SWIMQUIP	9003	20" DIAMETER WITH 50' ROPE EACH AT EACH CHAIR
2	G ARD CHAIRS	SWIMQUIP	2824	ULTRA-MODERN
2	LADDERS	AQUATECH	30" SPECIAL	3 TREAD, S.S 1.90 O.D. 20# HEAVY DUTY
6	FLOATS	SWIMQUIP	9220	7"x9" PLASTIC, RED & WHITE
2	ROPE HOOKS	SWIMQUIP	9160	3.4" C.P.B.
26	ANCHORS	SWIMQUIP	9102	CUP TYPE, WITH EYE BOLT, C.P.B.
1	FIRST AID KIT	SWIMQUIP		
1	LEAF STRAINER	SWIMQUIP	12506	PLASTIC BAG WITH PLASTIC MESH POCKET WITH 16' ALUMINUM POLE
1	BRUSH	SWIMQUIP	12512	20" WITH BRACKET
*7	RACING LINES	SWIMQUIP	9571-75	COMPLETE WITH WAVE QUELLER FLOATS (PROVIDE 5 LANE EXTENSIONS FOR 855'-0" LINES COMPLETE WITH 10 SWIMQUIP COUPLINGS 2 EACH LINE).
1	STRAINER	SWIMQUIP	14801-915	8" ON MAIN DRAIN LINE BEFORE REDUCER
1	SIGHT GLASS	SWIMQUIP	=15010	MAXIMUM PRESSURE 150#
*9	STANCHION POST ANCHORS	KDI	A3370	FLUSH, BRONZE
*6	BACK STROKE POSTS	KDI	A3366	7'6" KEMP RING ATTACHMENTS
*6	STARTING BLOCKS	AQUATECH		COMPLETE WITH ANCHORS AND ESCUTCHEONS
2	HYDRO AIR INLET	SWIMQUIP	8302-5	1" COPPER, HYDRO AIR INLET

NOTE: ALL ANCHORS SHALL BE PROVIDED WITH DECK COVER PLATES

* ITEMS MARKED WITH ASTERISK ARE POOL RACING EQUIPMENT
ITEMS TO BE INCLUDED IN ALTERNATE NO. 5.



FILTER ROOM PLAN 1/2"=1'-0"



MAIN POOL SURGE TANK

SCALE 1/2"=1'-0"

NOTE!
SURGE TANK SHALL BE G'-8" x 9'-6" x 5'-0" DEEP W/ 6" CONC WALLS W/ #4 @ 12" c/c EA WAY & 6" CONC SLAB W #4 @ 12" c/c EA WAY BOTT

REVISIONS
REVISED MARCH 14, 75 AS PER ADDENDUM 1 & 2

D. E. BRITT ASSOCIATES
CONSULTING ENGINEERS
433 BEL AIR BLVD
MOBILE, ALABAMA

BATH HOUSE AND SWIMMING POOL
GORGAS PARK POOL
DONALD ST
CITY OF Mobile

REGISTERED ENGINEER

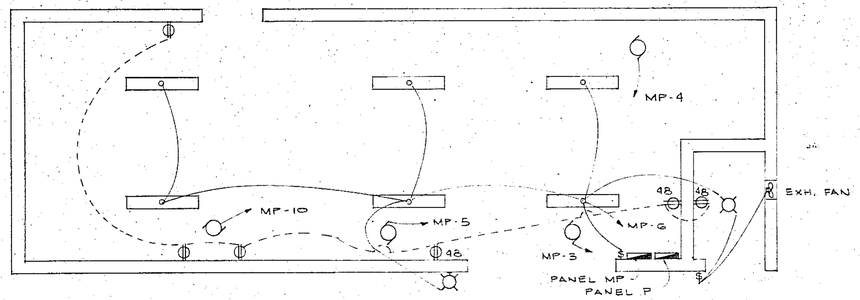
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CHECKED BY REL
JOB NO 440
DATE

SHEET NO 11 OF 13

Record Drawings

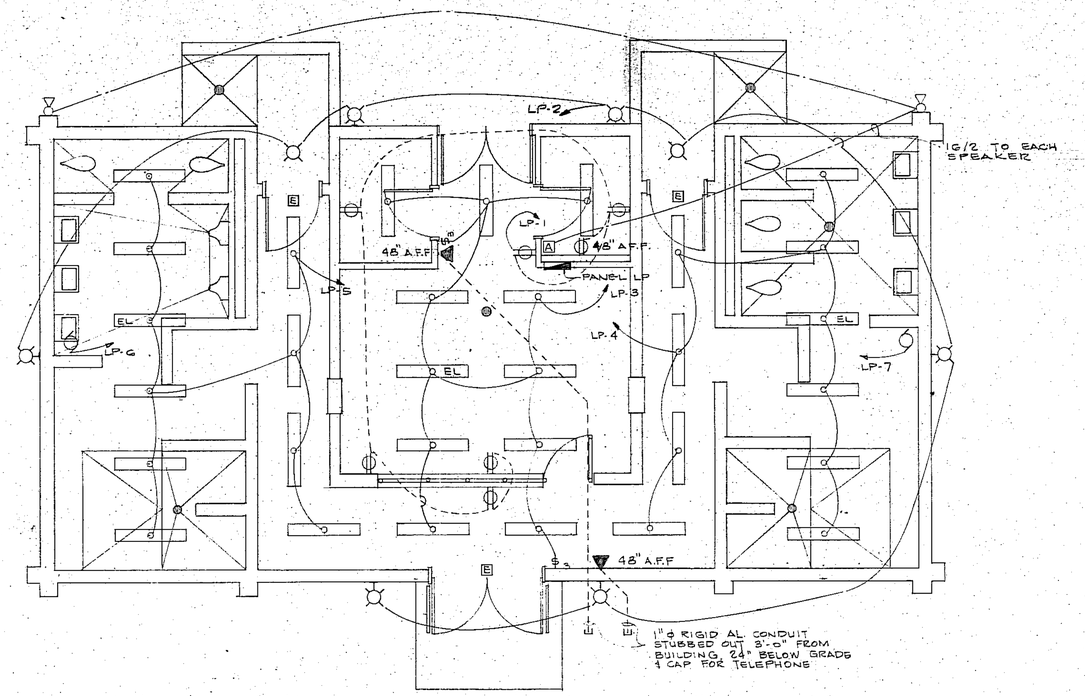
REVISIONS

REVISED MARCH 14, 75
AS PER
ADDENDUM #1 & 2



ELECTRICAL PLAN - FILTER ROOM

SCALE 1/4" = 1'-0"



ELECTRICAL PLAN BATH HOUSE

SCALE 1/4" = 1'-0"

PANEL P

100 A 3ϕ 4-WIRE 120/240 V SQUARE D TYPE NQO WITH GROUND FAULT DEVICE GF/1 C/B SURFACE MOUNT

CIRCUIT	SERVES	BRK'R	WIRE	COND.	LOAD
1	POOL UNDERWATER LIGHT	20/1	2-10 ϕ 1-12 GR	3/4"	500 W
2	POOL UNDERWATER LIGHT	20/1	2-10 ϕ 1-12 GR	3/4"	500 W
3	POOL UNDERWATER LIGHT	20/1	2-10 ϕ 1-12 GR	3/4"	500 W
4	POOL UNDERWATER LIGHT	20/1	2-10 ϕ 1-12 GR	3/4"	500 W
5	POOL UNDERWATER LIGHT	20/1	2-10 ϕ 1-12 GR	3/4"	500 W
6	POOL UNDERWATER LIGHT	20/1	2-10 ϕ 1-12 GR	3/4"	500 W
7	POOL UNDERWATER LIGHT	20/1	2-10 ϕ 1-12 GR	3/4"	500 W
8	POOL UNDERWATER LIGHT	20/1	2-10 ϕ 1-12 GR	3/4"	500 W
9					
10					

PANEL MP

SQUARE D TYPE NAIB 225 A 3ϕ 4 WIRE 120/240 V W/ MAIN BREAKER & W/GROUND FAULT DEVICE GF/1 C/B SURFACE

CIRCUIT	SERVES	BRK'R	WIRE	COND.	LOAD
1	PANEL LP	80/3	3-4 ϕ 1-8	1 1/2"	50 A
2	PANEL P	40/3	3-8 ϕ 1-12	2"	26 A
3	10 H.P. PUMP	30/3	3-10 ϕ 1-12	3/4"	27 A
4	2 1/2 H.P. PUMP	15/3	3-12 ϕ 1-14	3/4"	8A
5	1 1/2 H.P. PUMP	15/3	3-12 ϕ 1-14	3/4"	5A
6	EQUIP. ROOM LIGHTS	20/1	2-12	3/4"	650 W
7	EQUIP. RM. RECEPTACLES	20/1	3-12	3/4"	800 W
8	POOL DECK LIGHTS	240/2	3-10	3/4"	2000 W
9	POOL DECK LIGHTS	240/2	3-10	3/4"	2000 W
10	TODDLER POOL PUMP	20/1	3-12	3/4"	

SYMBOL LEGEND

- DUPLEX OUTLET 14" A.F.F.
- 48 — DUPLEX OUTLET 48" A.F.F.
- 208 V. 1ϕ OUTLET
- EXTERIOR TYPE PAGING HORN
- A — 60 WATT P.A. TYPE AMPLIFIER W/ THUMB SWITCH CONTROLLER HAND MICROPHONE
- O — FLUORESCENT LIGHT FIXTURE - KENALL - 7240 WITH 2 - F40CW LAMPS.
- WALL MOUNTED MERCURY - HI-TEK TW175H-VG-PE WITH 1-175 WATT MERCURY LAMP
- CEILING MOUNTED INCANDESCENT - KENALL - 3993 W/ 1-100 WATT LITE-TRONICS 32000 HR. LAMP
- 2" x 4" BOX TELEPHONE OUTLET
- MOTOR CONNECTION
- POLE AND LIGHT CROUSE-HINDS NO. MAL-5-10HCW4-1-30-VRBR-PE 240 VOLT
- E — EXIT LIGHT KENALL NO 6203 FEL WALL MOUNTED ABOVE DOOR 1 CIRCUIT TO PANEL LP AHEAD OF MAIN. WITH 2 - 6 WATT T5 FLUORESCENT LAMPS
- O EL — FLUORESCENT LIGHT FIXTURE - KENALL - 7240EL WITH 2 - F40CW LAMPS.

PANEL LP

120/240 V. 3ϕ 60 CYCLE TYPE NQO FLUSHMOUNT 100 A CAPACITY W/ SPACE FOR 20 SINGLE POLE BREAKERS.

CIRCUIT	SERVES	BRKR	WIRE	COND	LOAD
1	RECEPTACLES	20/1	3 # 12	3/4"	1600 W
2	LIGHTS	20/1	2 # 12	3/4"	1400 W
3	LIGHTS	20/1	2 # 12	3/4"	1100 W
4	LIGHTS	20/1	2 # 12	3/4"	1000 W
5	LIGHTS	20/1	2 # 12	3/4"	1000 W
6	EXHAUST FAN	20/1	3 # 12	3/4"	1/2 HP
7	EXHAUST FAN	20/1	3 # 12	3/4"	1/2 HP
8-20	SPACE				

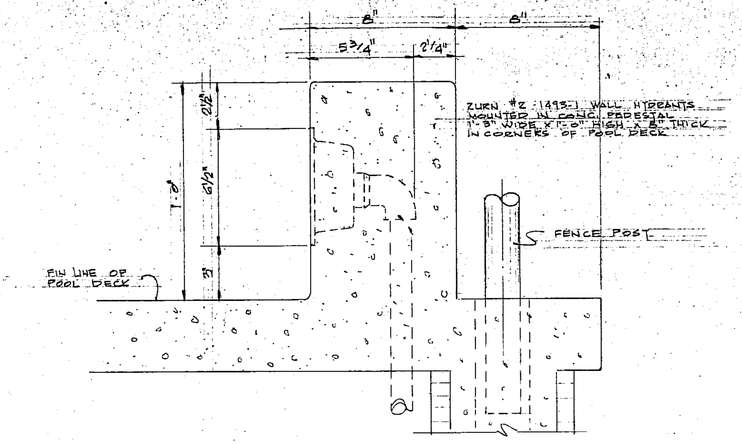
D. E. BRITT ASSOCIATES
CONSULTING ENGINEERS
433 BEL AIR BLVD
MOBILE, ALABAMA

BATH HOUSE AND SWIMMING POOL
CORGAS PARK POOL
DONALD ST.
CITY OF MOBILE

ALABAMA REGISTERED No. 4790 ENGINEER F. R. LACY

DRAWN BY JLT
CHECKED BY REL
JOB NO 440
DATE: 25 DEC 74
SHEET NO 12 of 13

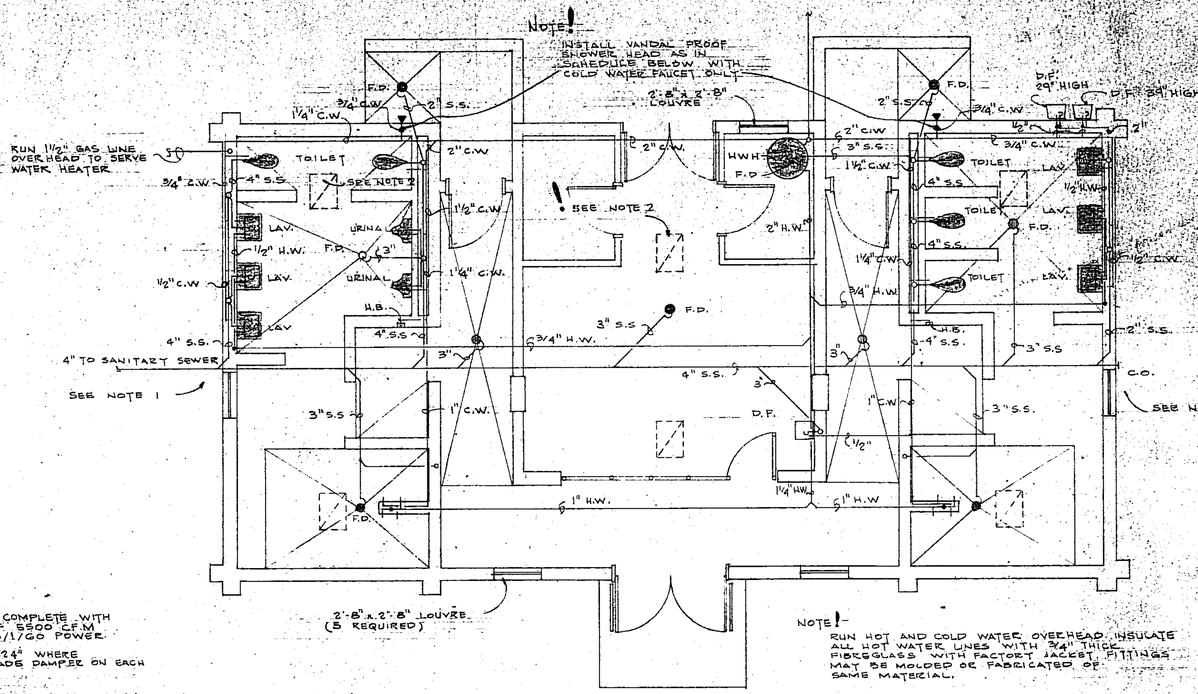
Record Drawings



DETAIL OF HOSE BIBB IN POOL DECK

SCALE 3" = 1'-0"

SEE SHEET #1 FOR LOCATIONS.



BATH HOUSE
PLUMBING & VENTILATION PLAN

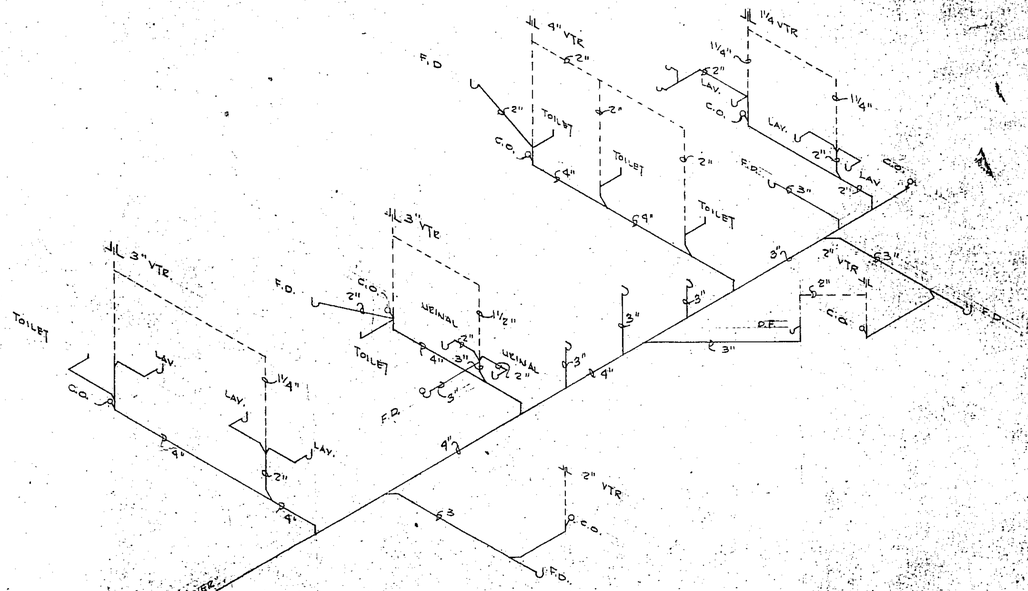
MECHANICAL NOTES

1) INSTALL 24" FAN IN EACH GABLE END OF BUILDING, COMPLETE WITH AUTOMATIC SHUTTER FANS TO HAVE A CAPACITY OF 5500 C.F.M. @ 0.1" STATIC PRESSURE. MOTOR: HORSEPOWER 1/2 - 115/1/60 POWER.

2) INSTALL 6 EXHAUST REGISTERS IN THE CEILING 18" x 24" WHERE INDICATED ON THE DRAWINGS, WITH AN OPPOSED BLADE DAMPER ON EACH

PLUMBING FIXTURE SCHEDULE

WATER CLOSET	AMERICAN STANDARD 2206.027 WITH SLOAN ROYAL 112 YV FLUSH VALVE AND AMERICAN CHURCH 5320.114 HEAVY DUTY BLACK OPEN FRONT SEAT.
LAVATORY	AMERICAN STANDARD 4867.016 19"x17" WITH 8" HOLE CENTERS. TRIM TO BE AMERICAN STANDARD CHROME FINISH 2285.039 SELF CLOSING AND 2411.015 WITH 2412.013 DRAIN AND TAILPIPE.
SHOWER	AMERICAN STANDARD 1430.06 INSTITUTIONAL VANDAL PROOF SHOWER HEAD AND 1450.030 HOT AND COLD FAUCETS.
HOT WATER HEATER	CRANE CS-360B NATURAL GAS WITH 434 G.P.H. RECOVERY AT 70° F. RISE.
URINAL	AMERICAN STANDARD CAT. #6400.014.
DRINKING FOUNTAIN	HALSEY-TAYLOR 4589 BRACKET TYPE S.S. RECEPTOR AND GALVANIZED BRACKET.
HOSE BIBB	ZURN - Z-1493-1 BRONZE BOX 3/4" HOSE BIBB.



SANITARY SEWER RISER DIAGRAM

NO SCALE

Note:
1) ALL VTR SHALL HAVE CAST IRON VANDLE PROOF CAPS
2) ALL HOSE BIBBS SHALL BE CAST BRONZE KEY OPERATED FROST PROOF TYPE (LEGISLATED)

D. E. BRITT ASSOCIATES
CONSULTING ENGINEERS
433 BEL AIR BLVD MOBILE, ALABAMA

BATH HOUSE
SWIMMING POOL
CODES PARK POOL
CITY OF MOBILE

ALABAMA REGISTERED No. 4790 ENGINEER

DRAWN BY
CHECKED BY
JOB NO. 402
DATE 25 SEPT 74
SHEET NO. 13

Record Drawings

#24

Joseph C. Dotch Community Center

TRINITY GARDENS PARK
NEW COMMUNITY CENTER
CITY OF MOBILE

PROJECT# PR-034-95J

PROJECT DIRECTORY

OWNER:
CITY OF MOBILE
REAL ESTATE/ ASSET MANAGEMENT (PAE DEPT.)
MOBILE, AL 36633-1827
(334) 473-4423
CONTACT: ROGER BENDOLPH

ARCHITECT:
HALL-BAUMHAUER ARCHITECTS P.C.
2377 AIRPORT BLVD.
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754 DOWNTOWNER LOOP.W.
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(334) 476-4043
CONTACT: TERRY PLAUCHE'

CIVIL ENGINEER:
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CONTACT: FRED DONOVAN

STRUCTURAL ENGINEER:
BARTER & ASSOCIATES
1614 GOVERNMENT STREET
MOBILE, AL 36604
(334) 473-8354
CONTACT: MARC BARTER

MECH. & ELECT. ENGINEERS:
CDC ENGINEERS
1000 HILLCREST RD.
SUITE 340
MOBILE, AL 36695
(334) 607-7114
CONTACT: JOHN WACKER

SYMBOL LEGEND

- SURFACE SHOWN IN ELEVATION / SHEET NO. ON WHICH ELEV. IS DRAWN
- TOILET ACCESSORIES NUMBER
- FE FIRE EXTIGUISHER LOCATION
- SECTION OR DETAIL NO. / SHEET NO. ON WHICH ELEV./ SECTION IS DRAWN
- WINDOW NUMBER
- DOOR NUMBER
- KITCHEN EQUIP. SYMBOL

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C-4 GRADING PLAN & MISC.DETAILS
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S-0 STRUCTURAL NOTES
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S-3 TRUSSES & BRACING
S-4 FOUNDATION SECTIONS & DETAILS
S-5 FRAMING SECTIONS & DETAILS
S-P1 POOL & PUMP HOUSE
A-1 FLOOR PLAN & DETAILS
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A-5 BUILDING & CANOPY SECTIONS
A-6 WALL SECTIONS & DETAILS
A-7 WALL SECTIONS, & DETAILS
A-8 ENLARGED PLANS & INTERIOR ELEVATIONS
A-9 INTERIOR ELEVATIONS & MILLWORK DETAILS
A-10 POOLHOUSE/ PUMPHOUSE PLANS, ELEVATIONS, DETAILS
A-11 POOL SECTIONS, REFLECTED CEILING & ROOF PLANS
A-12 POOL ELEVATIONS & DETAILS
A-13 POOL PLUMBING LAYOUT
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P-3 DETAILS & SCHEDULE
M-1 MECHANICAL HVAC PLAN
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E-1 LIGHTING PLAN
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E-3 ELECTRICAL LGHT. & POWER PLAN
E-4 PANEL SCHEDULES
E-5 ELECTRICAL SITE PLAN
E-6 FIRE / SECURITY PLAN

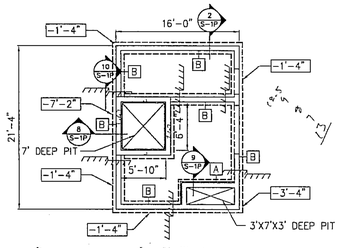
TRINITY GARDENS PARK
NEW COMMUNITY CENTER
CITY OF MOBILE PR-034-95J

HALL - BAUMHAUER ARCHITECTS, P. C.

2377 AIRPORT BOULEVARD • MOBILE • ALABAMA • 36606
TELEPHONE: (334) 476-4043 • FAX: (334) 476-4044

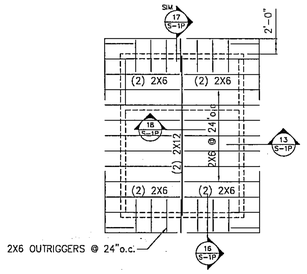
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DATE	7/1/97
REVISIONS	
TITLE	TITLE SHEET
SHEET	

Record Drawings



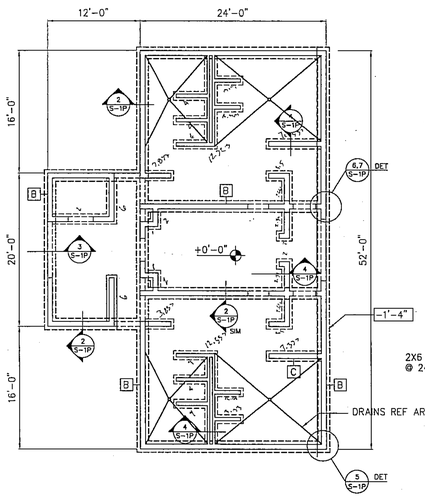
FOUNDATION PLAN
SCALE: 1/8"=1'-0"

NOTE: ALL DIMENSIONS ARE TO FACE OF CMU
T.O.F. = 1'-4" U.N.O.
FINISHED FLOOR ELEV.= ???'
TOP OF FOOTING ELEV.= ??? (U.N.O)



PUMP HOUSE

ROOF FRAMING PLAN
SCALE: 1/8"=1'-0"

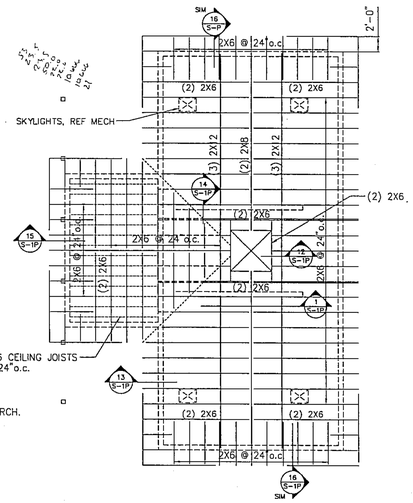


FOUNDATION/SLAB PLAN
SCALE: 1/8"=1'-0"

POOL HOUSE

TYPICAL FLOOR SLAB CONSTRUCTION

CAST IN PLACE CONCRETE SLAB-ON-GRADE REINFORCED WITH 6x6-W2.1xW2.1 WWF OVER 6 VAPOR BARRIER.



ROOF FRAMING PLAN
SCALE: 1/8"=1'-0"

GALVANIZE ALL HANGERS AND TIES.

LEGEND

000'-0"	TOP OF FOOTING ELEVATION
B	FOOTING TYPE- REF. SCHEDULE
+0'-0"	ELEVATION- TOP OF SLAB
	SLAB CONTROL / CONSTRUCTION JOINTS
	CHANGE IN FOOTING ELEVATION

MASONRY REINFORCING SCHEDULE

- A #4 @ 32"o.c. VERTICAL BARS
- B #4 @ 56"o.c. VERTICAL BARS
- C UNREINFORCED

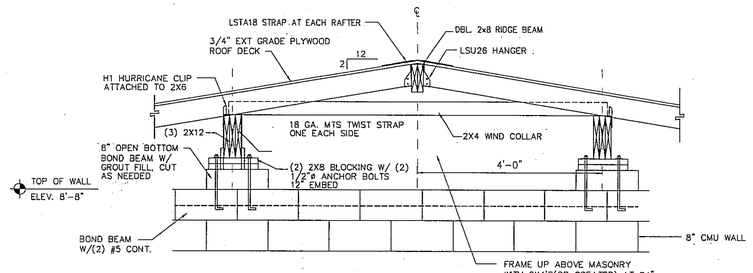
CMU LINTEL SCHEDULE

WALL THICKNESS	CLEAR SPAN	LINTEL DEPTH	BOTTOM REINFORCING	TOP REINFORCING
8"	3'-4" MAX	8"	(1) #5	———
8"	8'-0" MAX	16"	(2) #5	(1) #5

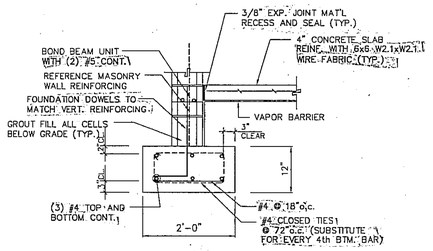
NOTES:
1. GROUTED LINTEL BLOCKS IN EXTERIOR WALLS SHALL EXTEND A MINIMUM OF 24 INCHES BEYOND FACE OF OPENING EACH SIDE. THE FIRST TWO VERTICAL CELLS ON EACH SIDE OF THE OPENING SHALL BE GROUTED AND CONTAIN ONE #5 IN EACH CELL.
2. GROUTED LINTEL BLOCKS INTERIOR WALLS SHALL EXTEND A MINIMUM OF 8 INCHES BEYOND FACE OF OPENING EACH SIDE. THE FIRST VERTICAL CELL ON EACH SIDE OF THE OPENING SHALL BE GROUTED AND CONTAIN REINFORCING WHERE NOTED.

GENERAL NOTES:

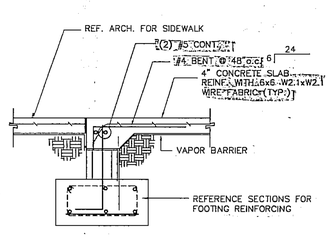
1. REF ARCHITECTURAL FOR FLOOR DRAINS.



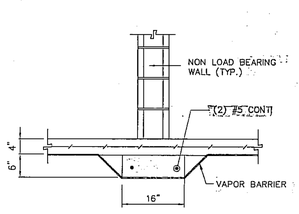
SECTION 1 S-1P
SCALE:3/4"=1'-0"



SECTION 2 S-1P
SCALE:3/4"=1'-0"

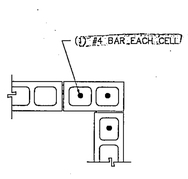


SECTION 3 S-1P
SCALE:3/4"=1'-0"



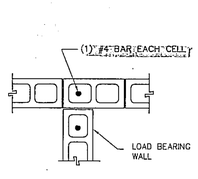
NON LOAD BEARING WALL

SECTION 4 S-1P
SCALE:3/4"=1'-0"



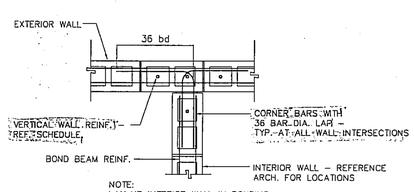
TYPICAL CORNER REINF.

DETAIL 5 S-1P
SCALE: 3/4"=1'-0"



TYPICAL INTERSECTION REINF.

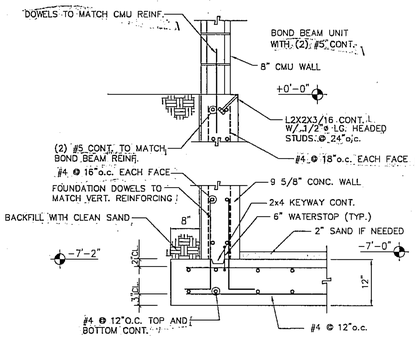
DETAIL 6 S-1P
SCALE: 3/4"=1'-0"



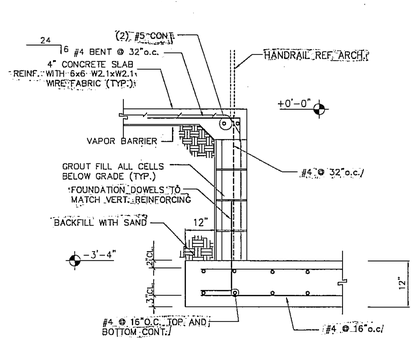
NOTE:
LAY UP INTERIOR WALL IN BONDING PATTERN WITH EXTERIOR WALL.

TYPICAL BOND BEAM INTERSECTION

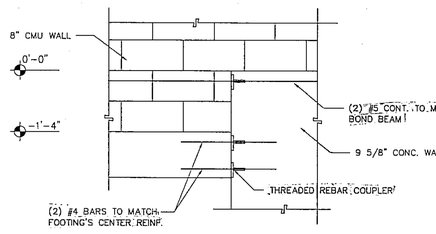
DETAIL 7 S-1P
SCALE: NTS



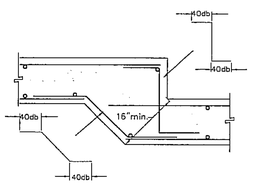
SECTION 8 S-1P
SCALE:3/4"=1'-0"



SECTION 9 S-1P
SCALE:3/4"=1'-0"

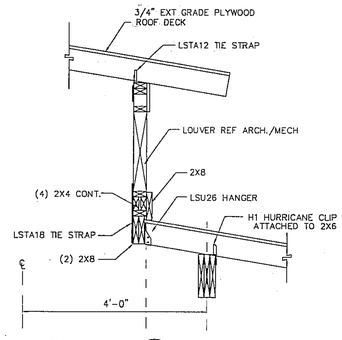


SECTION 10 S-1P
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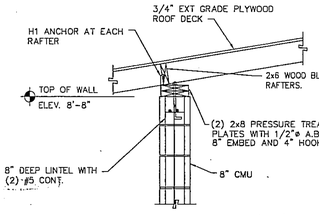


TYPICAL FOOTING STEP

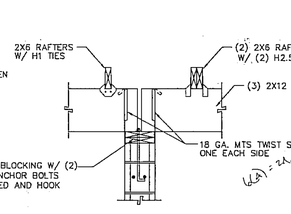
SECTION 11 S-1P
SCALE:3/4"=1'-0"



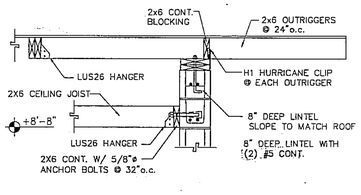
SECTION 12 S-1P
SCALE:3/4"=1'-0"



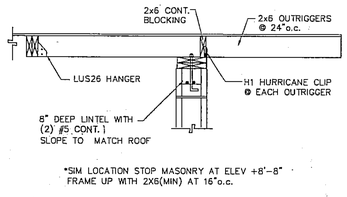
SECTION 13 S-1P
SCALE:3/4"=1'-0"



SECTION 14 S-1P
SCALE:3/4"=1'-0"

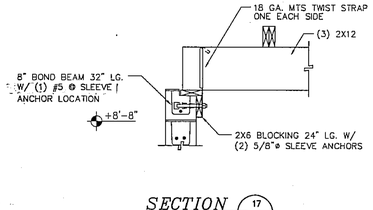


SECTION 15 S-1P
SCALE:3/4"=1'-0"

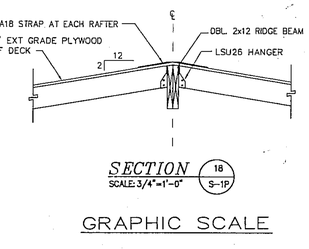


*SIM LOCATION STOP MASONRY AT ELEV +8'-8" FRAME UP WITH 2X6(MIN) AT 16"o.c.

SECTION 16 S-1P
SCALE:3/4"=1'-0"



SECTION 17 S-1P
SCALE:3/4"=1'-0"



SECTION 18 S-1P
SCALE:3/4"=1'-0"

GRAPHIC SCALE

SCALE 1/8" = 1'-0"
8' 0 8' 16 FT

FILE #

FILE NO.: 97001P%1
DATE: 06-18-97
PLOT SCALE: 1/8"=1'-0"

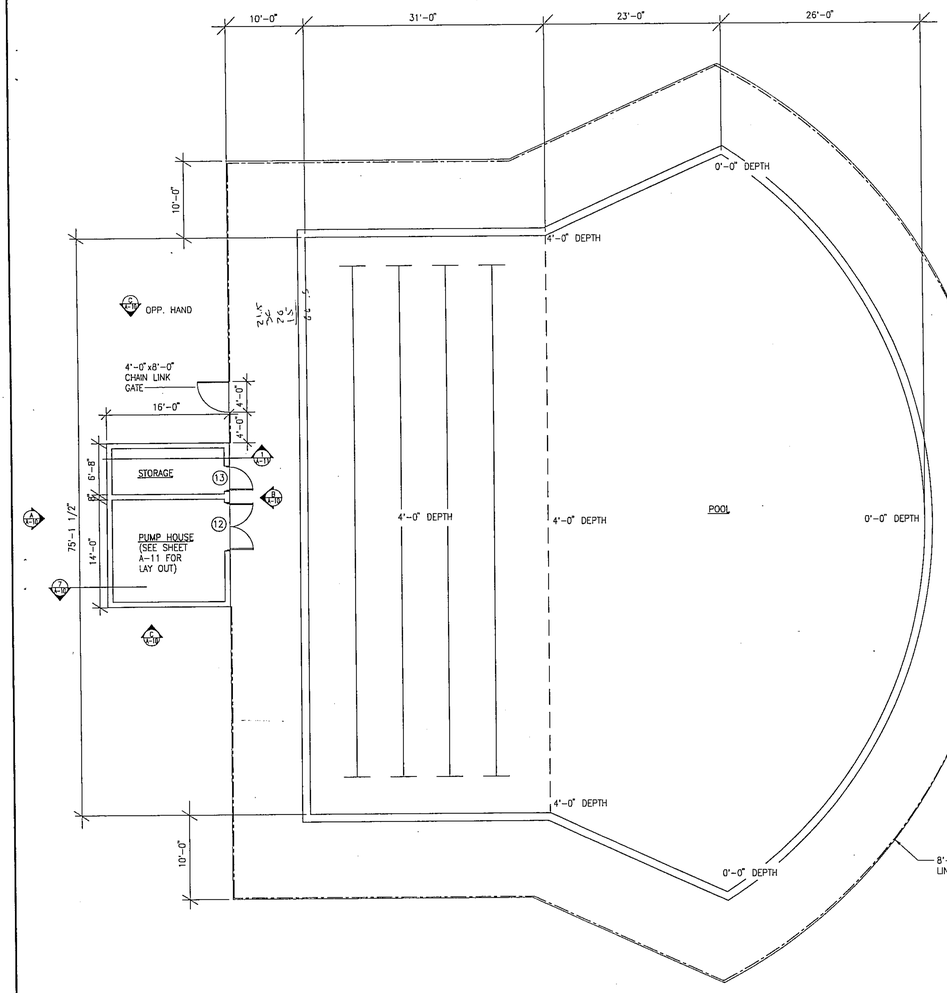
Barter & Associates, Inc.
Structural Engineers
1614 Government Street
Mobile, Alabama 36604-1102
Ph.(334)473-8354 Fax(334)473-8356

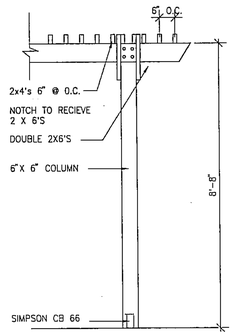
ALABAMA REGISTERED No. 12749 PROFESSIONAL ENGINEER

TRINITY GARDENS PARK
NEW COMMUNITY CENTER
CITY OF MOBILE PR-034-95J

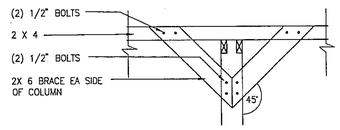
HALL BAUMHAUER ARCHITECTS, P. C.
2377 AIRPORT BOULEVARD MOBILE ALABAMA 36606 TELEPHONE: (334) 476-4043 FAX: (334) 476-4044

PROJECT NUMBER	9608
DATE	07-02-97
REVISIONS	
TITLE	POOL HOUSE & PUMP ROOM
SHEET	S-1P

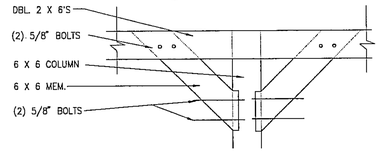




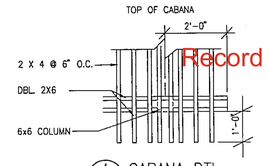
1 CABANA SECTION
A-10 SCALE:1" = 1'-0"



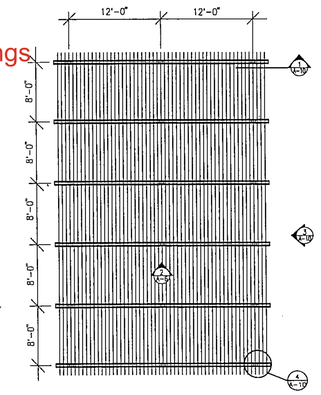
2 ELEV. @ COLUMN
A-10 SCALE:1" = 1'-0"



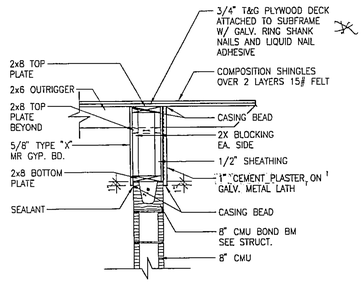
3 ELEV. @ COLUMN
A-10 SCALE:1" = 1'-0"



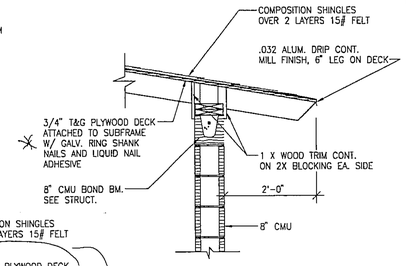
4 CABANA DTL.
A-10 SCALE: 1"=1'-0"



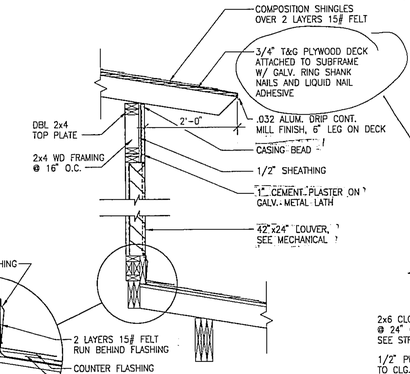
5 CABANA ROOF FRAMING PLAN
A-10 SCALE: 1/8"=1'-0"



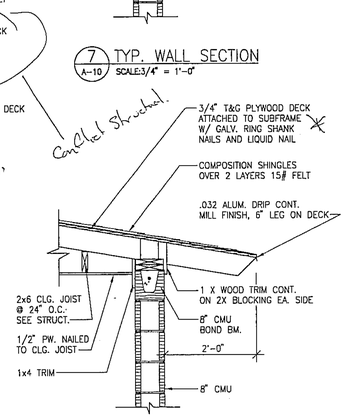
6 WALL SECTION
A-10 SCALE:3/4" = 1'-0"



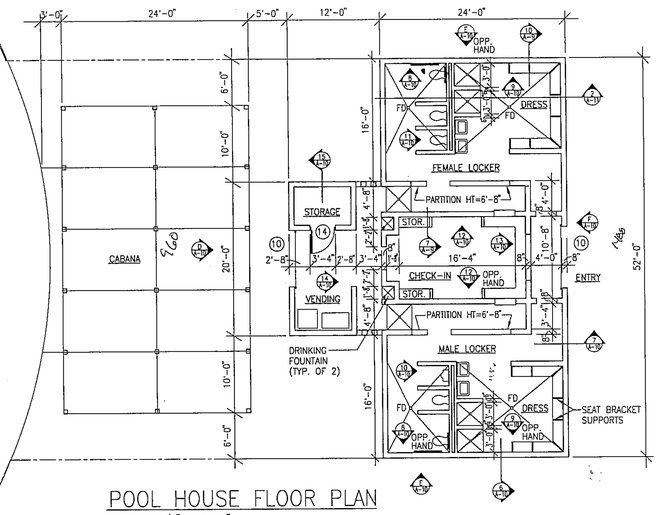
7 TYP. WALL SECTION
A-10 SCALE:3/4" = 1'-0"



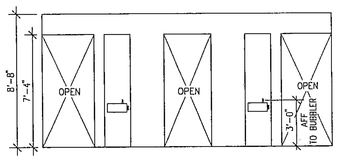
6A CUPOLA SECTION
A-10 SCALE:3/4" = 1'-0"



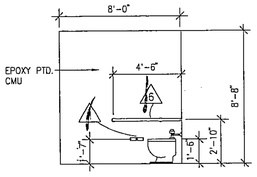
15 WALL SECTION
A-10 SCALE:3/4" = 1'-0"



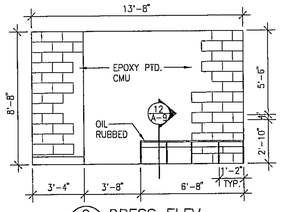
POOL HOUSE FLOOR PLAN
SCALE: 1/8" = 1'-0"



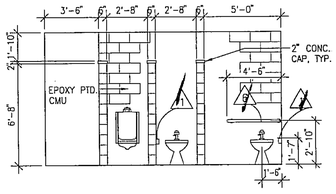
14 DRNK. FNTN. ELEV.
A-10 SCALE:1/4" = 1'-0"



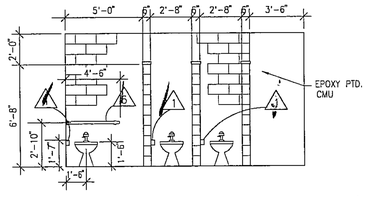
8 TOILET ELEV.
A-10 SCALE:1/4" = 1'-0"



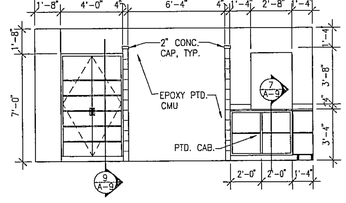
9 DRESS ELEV.
A-10 SCALE:1/4" = 1'-0"



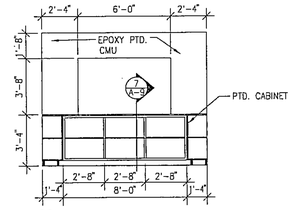
10 TOILET ELEV.
A-10 SCALE:1/4" = 1'-0"



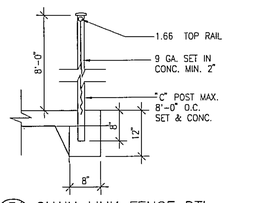
11 TOILET ELEV.
A-10 SCALE:1/4" = 1'-0"



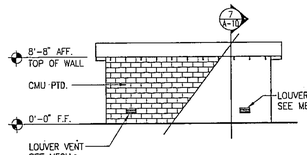
12 CHECK-IN ELEV.
A-10 SCALE:1/4" = 1'-0"



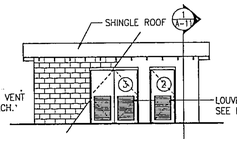
13 CHECK-IN ELEV.
A-10 SCALE:1/4" = 1'-0"



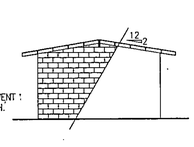
13A CHAIN LINK FENCE DTL.
A-10 SCALE:1 1/2" = 1'-0"



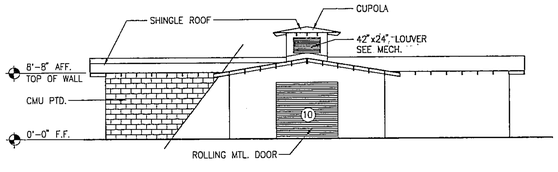
A NORTH ELEVATION
A-10 SCALE:1/8" = 1'-0"



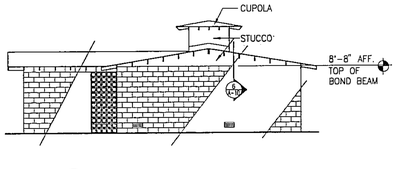
B SOUTH ELEVATION
A-10 SCALE:1/8" = 1'-0"



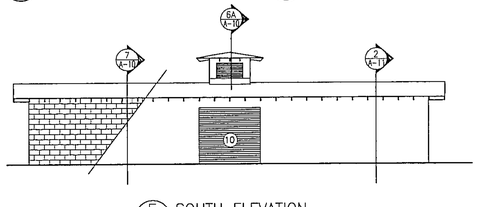
C WEST ELEVATION
A-10 SCALE:1/8" = 1'-0"



D NORTH ELEVATION
A-10 SCALE:1/8" = 1'-0"



E WEST ELEVATION
A-10 SCALE:1/8" = 1'-0"



F SOUTH ELEVATION
A-10 SCALE:1/8" = 1'-0"

Record Drawings

Concrete Structural

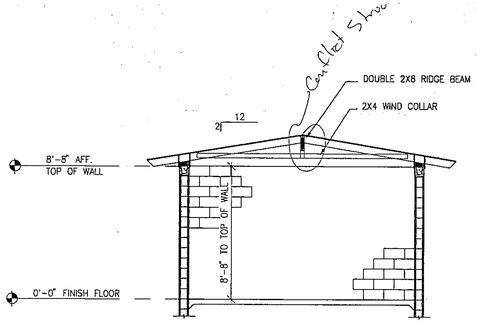
HALL • BAUMHAUER ARCHITECTS, P. C.
2377 AIRPORT BOULEVARD • MOBILE • ALABAMA • 36606
TELEPHONE: (334) 476-4043 • FAX: (334) 476-4044

STATE OF ALABAMA
1772
REGISTERED ARCHITECT

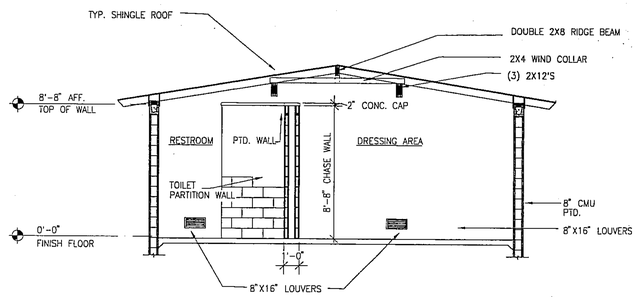
TRINITY GARDENS PARK
NEW COMMUNITY CENTER
CITY OF MOBILE PR-034-95J

PROJECT NUMBER	9608
DATE	7/1/97,
REVISIONS	
TITLE	PUMP HOUSE, POOL & POOL HOUSE PLANS, ELEVATIONS, AND DETAILS
SHEET	A-10

"H:\95\9608\DGN\A10 Thu Jul 24 14:54:02 1997

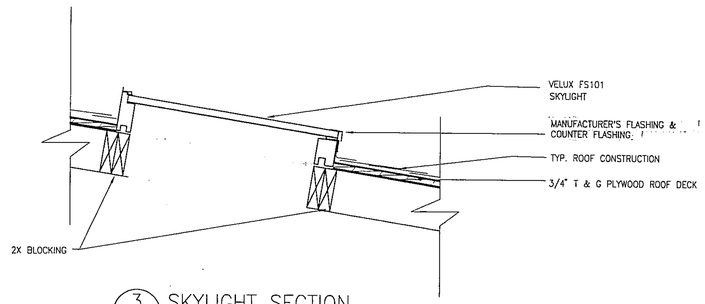


1 A-11 PUMP HOUSE SECTION
SCALE: 1/4"=1'-0"



2 A-11 POOL HOUSE SECTION
SCALE: 1-1/2"=1'-0"

Record Drawings

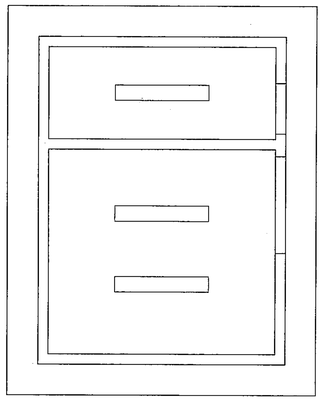


3 A-11 SKYLIGHT SECTION
SCALE: 1-1/2"=1'-0"

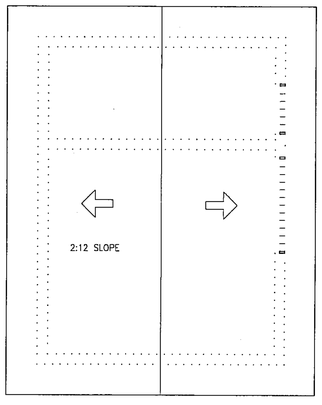
GENERAL NOTES

* FOR LIGHTING LEGEND (SEE SHT. A-2)

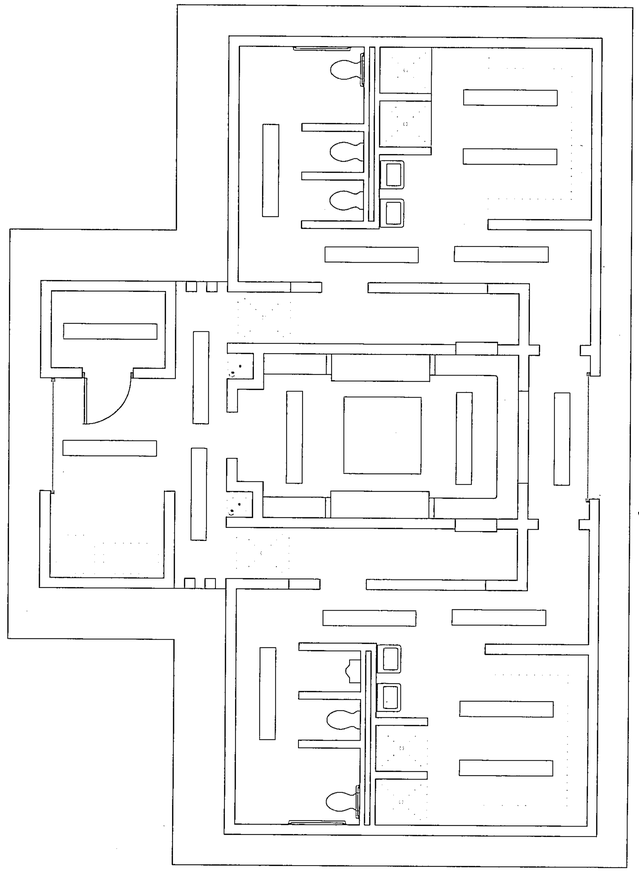
* ALL INTERIOR WALLS AND CEILINGS IN THE POOL HOUSE WILL HAVE AN EPOXY FINISH, WALLS AND CEILINGS IN PUMP HOUSE WILLNOT BE FINISHED



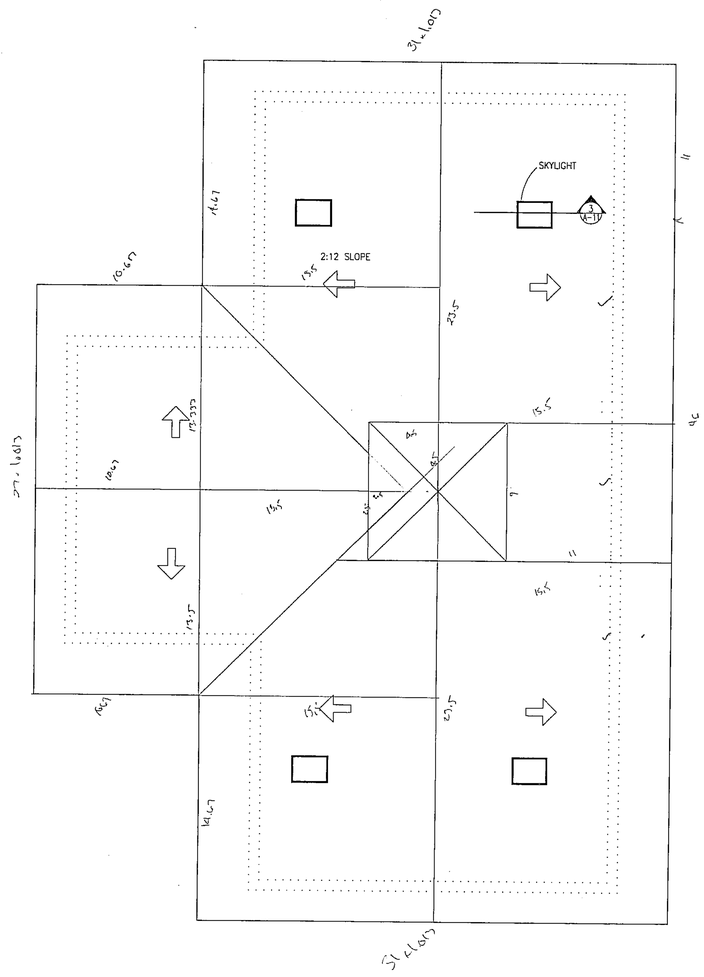
PUMP HOUSE REFLECT. CEIL. PLAN
SCALE: 1/4" = 1'-0"



PUMP HOUSE ROOF PLAN
SCALE: 1/4" = 1'-0"



POOL HOUSE REFLECT. CEIL. PLAN
SCALE: 1/4" = 1'-0"



POOL HOUSE ROOF PLAN
SCALE: 1/4" = 1'-0"

STATE OF ALABAMA
PRINCE E. HALL, JR.
1772
GREENVILLE, MS
REGISTERED ARCHITECT

• BAUMHAUER ARCHITECTS, P. C.
BOULEVARD • MOBILE • ALABAMA • 36606 TELEPHONE: (334) 476-4043 • FAX: (334) 476-4044

TRINITY GARDENS PARK
NEW COMMUNITY CENTER
CITY OF MOBILE PR-034-95J

HALL 2377 AIRPORT BOULEVARD

PROJECT NUMBER
9608

DATE
7/1/97

REVISIONS

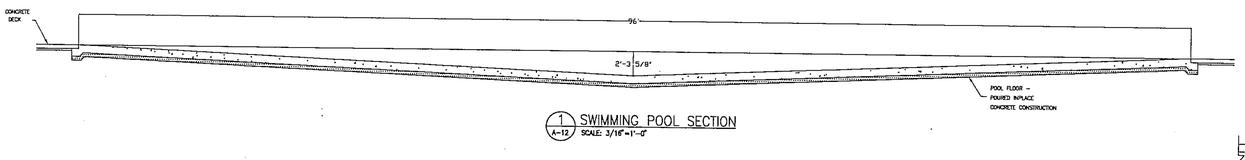
TITLE
BUILDING SECTIONS, REFLECT. CEILING ROOF PLAN

SHEET
A-11

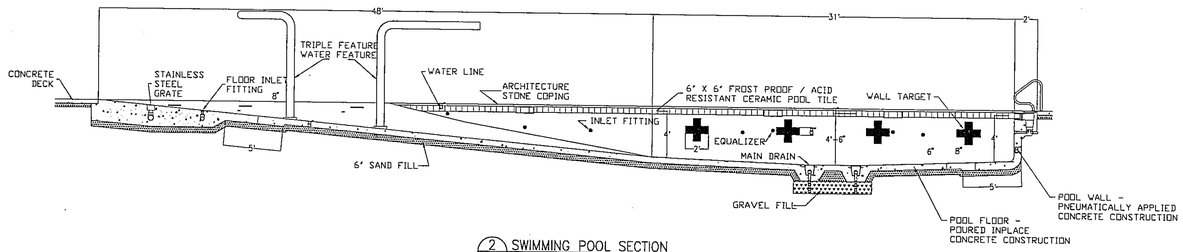
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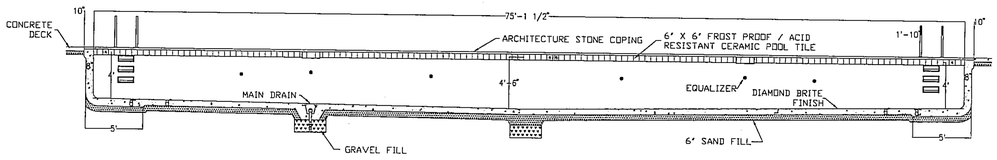
Record Drawings



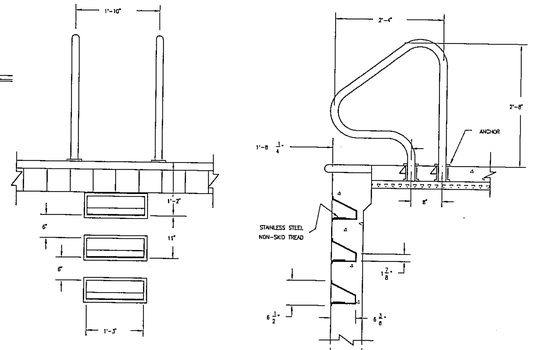
1 A-12 SWIMMING POOL SECTION
SCALE: 3/16"=1'-0"



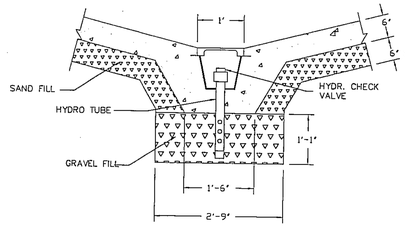
2 A-12 SWIMMING POOL SECTION
SCALE: 3/16"=1'-0"



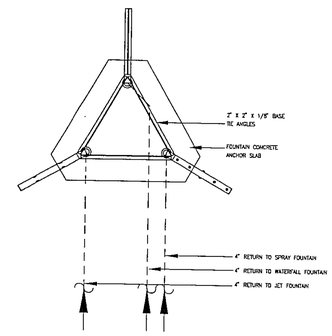
3 A-12 SWIMMING POOL SECTION
SCALE: 3/16"=1'-0"



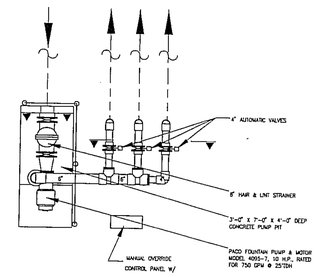
4 A-12 GRAB RAIL & RECESSED STEPS
SCALE: 3/4"=1'-0"

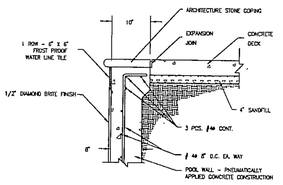


5 A-12 MAIN DRAIN DETAIL
SCALE: 3/4"=1'-0"

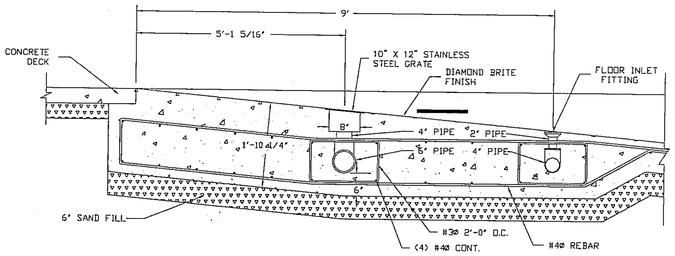


6 A-12 PIPING PLAN
SCALE: NTS

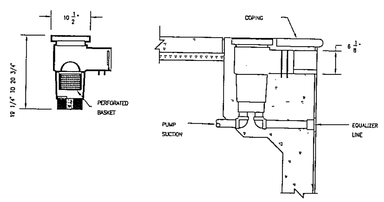




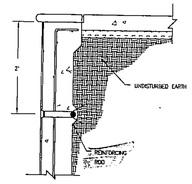
7 A-12 TYPICAL WALL DETAIL
SCALE: 3/4"=1'-0"



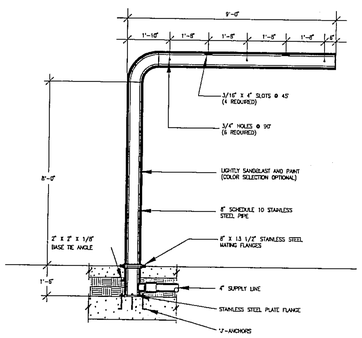
8 A-12 TRENCH & FLOOR INLET FITTING DETAIL
SCALE: 3/4"=1'-0"



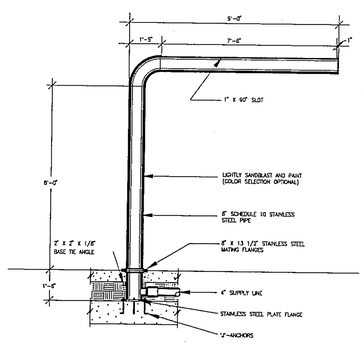
9 A-12 SKIMMER DETAIL
SCALE: 3/4"=1'-0"



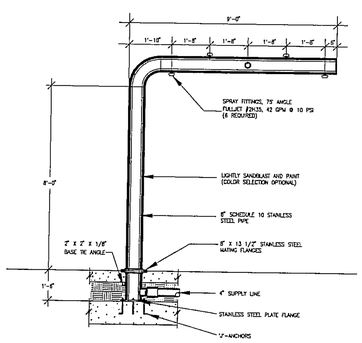
10 A-12 INLET FITTING DETAIL
SCALE: 3/4"=1'-0"



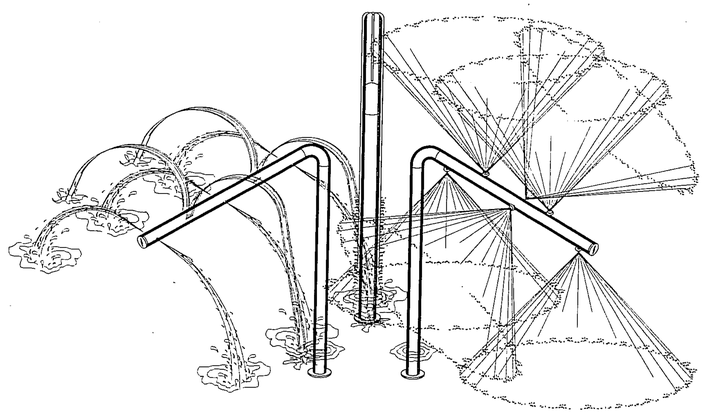
11 A-12 JET FOUNTIAN
SCALE: 3/8"=1'-0"



12 A-12 WATERFALL FOUNTIAN
SCALE: 3/8"=1'-0"



13 A-12 SPRAY FOUNTIAN
SCALE: 3/8"=1'-0"



14 A-12 SWIMMING POOL SECTION
SCALE: 3/16"=1'-0"

STATE OF ALABAMA
FRANCIS E. HALL, III
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REGISTERED ARCHITECT

BAUMHAUER ARCHITECTS, P. C.
HALL • 2377 AIRPORT BOULEVARD
TELEPHONE: (334) 476-4043 • FAX: (334) 476-4044
MOBILE • ALABAMA • 36606

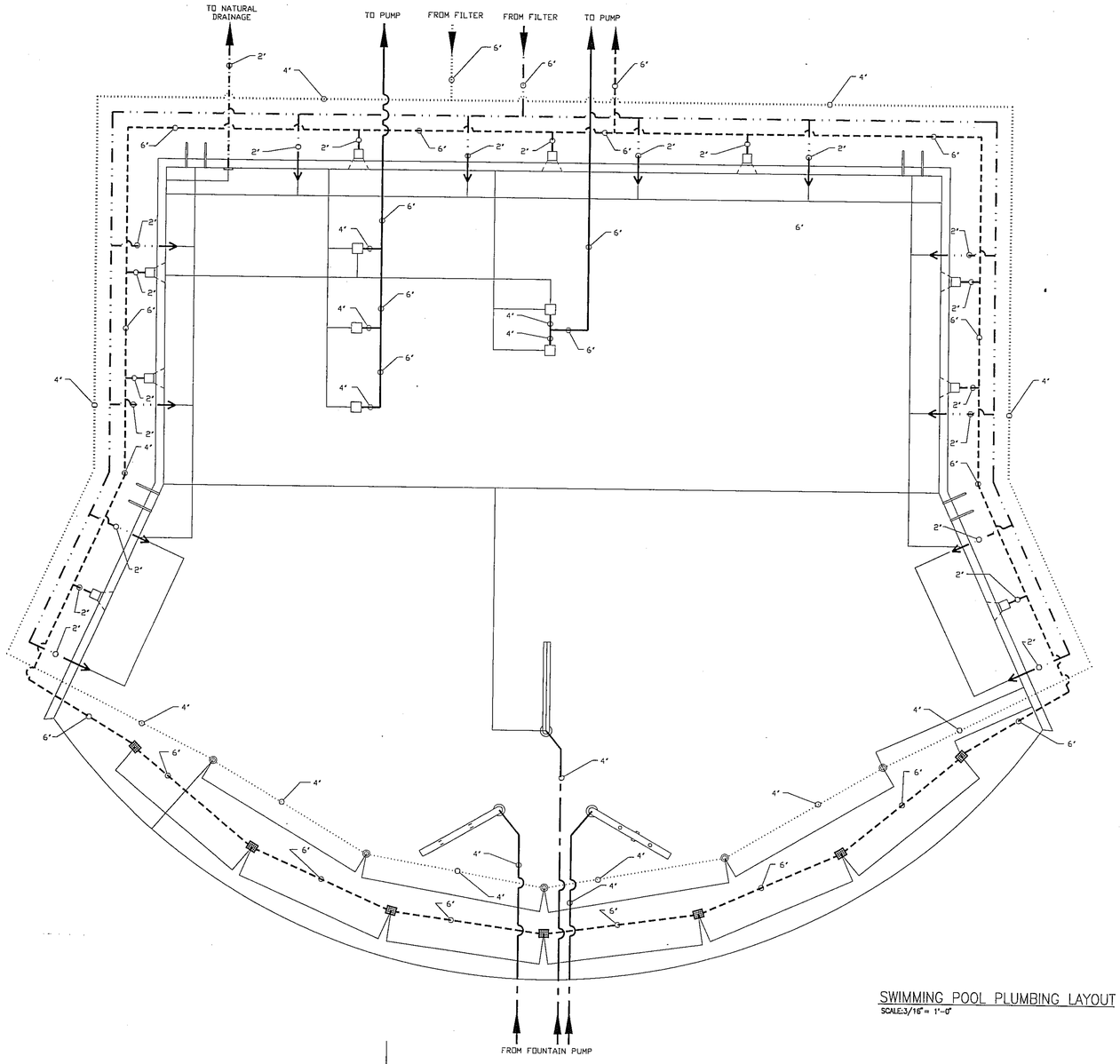
TRINITY GARDENS PARK
NEW COMMUNITY CENTER
CITY OF MOBILE PR-034-95J

PROJECT NUMBER	9608
DATE	7/1/97
REVISIONS	
TITLE	POOL, ELEVATIONS, & DETAILS
SHEET	A-12

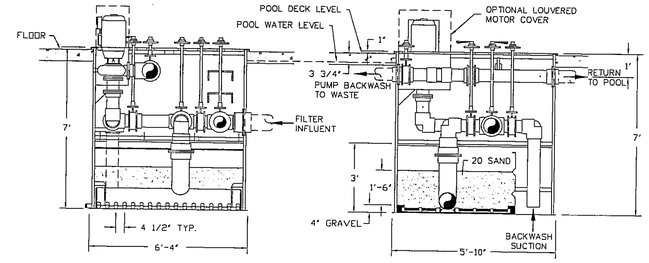
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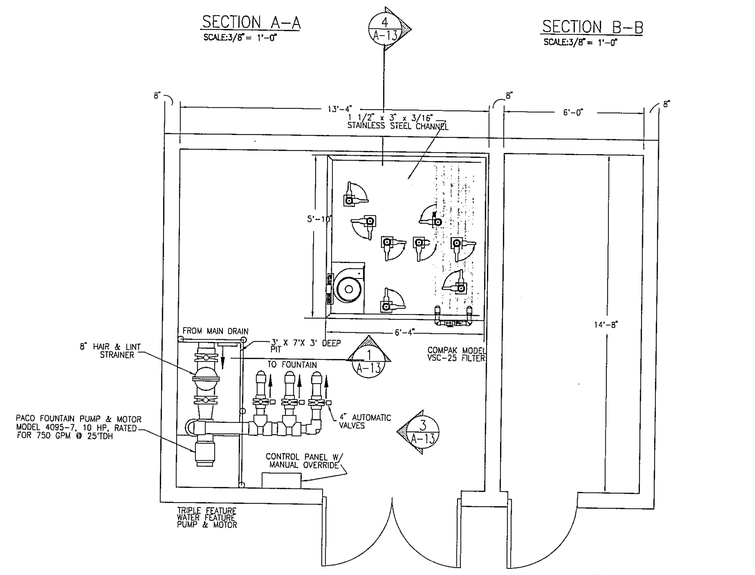
"\DRAWINGS\9608A12DA Thu, Jul 17 00:27:15 1997

Record Drawings

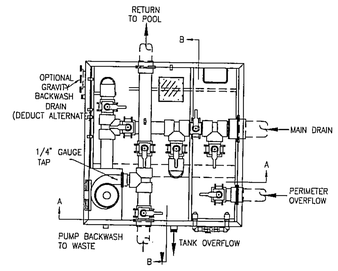


SWIMMING POOL PLUMBING LAYOUT
SCALE:3/16" = 1'-0"





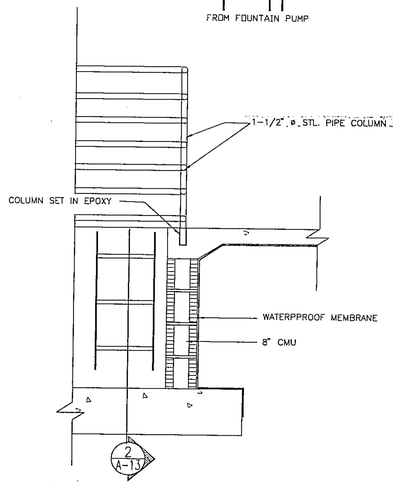
PUMP HOUSE LAYOUT
SCALE:3/8" = 1'-0"



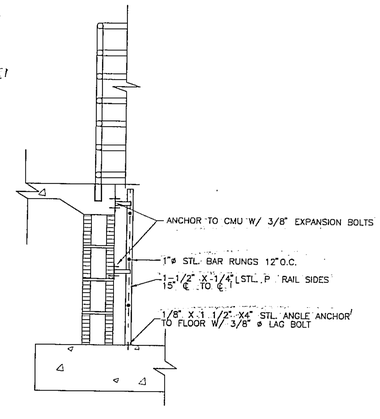
PLAN VIEW
SCALE:3/8" = 1'-0"

SWIMMING POOL PLUMBING LEGEND

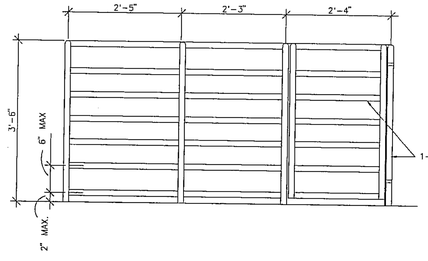
- MAIN DRIAN PIPE
- SKIMMER PIPE
- RETURN PIPE
- OVERFLOW PIPE
- FLOOR INLET PIPE
- WATER FEATURE PIPE
- RAIN DROP PIPE



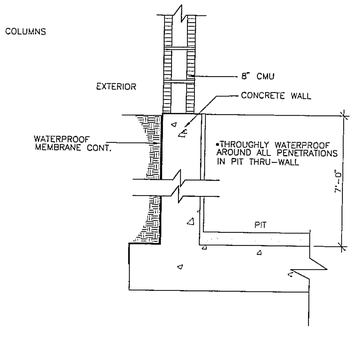
1 A-13 PIT SECTION
SCALE:3/4" = 1'-0"



2 A-13 PIT SECTION
SCALE:3/4" = 1'-0"



3 A-13 RAIL ELEVATION
SCALE:3/4" = 1'-0"



4 A-13 PIT SECTION
SCALE:3/4" = 1'-0"

• PIT CONSTRUCTION (SEE STRUCTURAL SHT. S-1P)

STATE OF ALABAMA
REGISTERED ARCHITECT
1772
BAUMHAUER ARCHITECTS, P. C.
HALL • BOULEVARD • MOBILE • ALABAMA • 36606
2377 AIRPORT BOULEVARD • TELEPHONE: (334) 476-4043 • FAX: (334) 476-4044

TRINITY GARDENS PARK
NEW COMMUNITY CENTER
CITY OF MOBILE 3025 BANK AVENUE

PROJECT NUMBER	9608
DATE	7/1/97
REVISIONS	
TITLE	POOL PLUMBING LAYOUT
SHEET	A-13

FILE # 77777

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Record Drawings

SWIMMING POOL DESIGN DATA

PERIMETER -	300 LINEAR FEET
SURFACE AREA -	5,980 SQUARE FEET
VOLUME -	126,600 GALLONS
TURNOVER RATE -	5.8 HOURS; 360 GPM
MAX. BATHER LOAD -	350

SWIMMING POOL EQUIPMENT

FILTRATION EQUIPMENT

QUANTITY	ITEM	MODEL/MAKER
1	7 1/2 HP PUMP AND MOTOR-PACO	3095-5/PADDOCK
1	COMPAK 25	9792-1525/PADDOCK
1	6" FLOWMETER	BLUEWHITE

CHLORINATION EQUIPMENT

QUANTITY	ITEM	MODEL/MAKER
1	WATER TEST KIT	COMMERCIAL MODEL/BIOLAB
1	AUTOMATIC CHLORINATOR	MA35/BIOGUARD
1	AUTOMATIC CHEMICAL CONTROL SYSTEM	AK1000/ACU-TROL

MAINTENANCE EQUIPMENT

QUANTITY	ITEM	MODEL/MAKER
1	18" VACUUM SET	3163/PADDOCK
1	1/2 HP PORTABLE VACUUM PUMP WITH GFI	3180-E/PADDOCK
1	18" POOL BRUSH	3330/PADDOCK
1	SKIMMER	3348/PADDOCK
1	TELESCOPIC HANDLE - 8' TO 16'	3367/PADDOCK

DECK EQUIPMENT

QUANTITY	ITEM	MODEL/MAKER
4	GRAB RAILS-1.9 X .065 STAINLESS STEEL	4496/PADDOCK
4	STAINLESS STEEL STEP INSERT	4501-03/PADDOCK
16	WEDGE DECK ANCHOR	4801/PADDOCK
16	STAINLESS STEEL ESCUTCHEON PLATE	4837/PADDOCK

SAFETY EQUIPMENT

QUANTITY	ITEM	MODEL/MAKER
2	LIFE HOOK WITH 16' HANDLE	4723/PADDOCK
2	24" CGA RING BUOYS	4726/PADDOCK
2	6' MOVABLE STAINLESS STEEL LIFEGUARD CHAIR	4707-6/PADDOCK

RACING EQUIPMENT

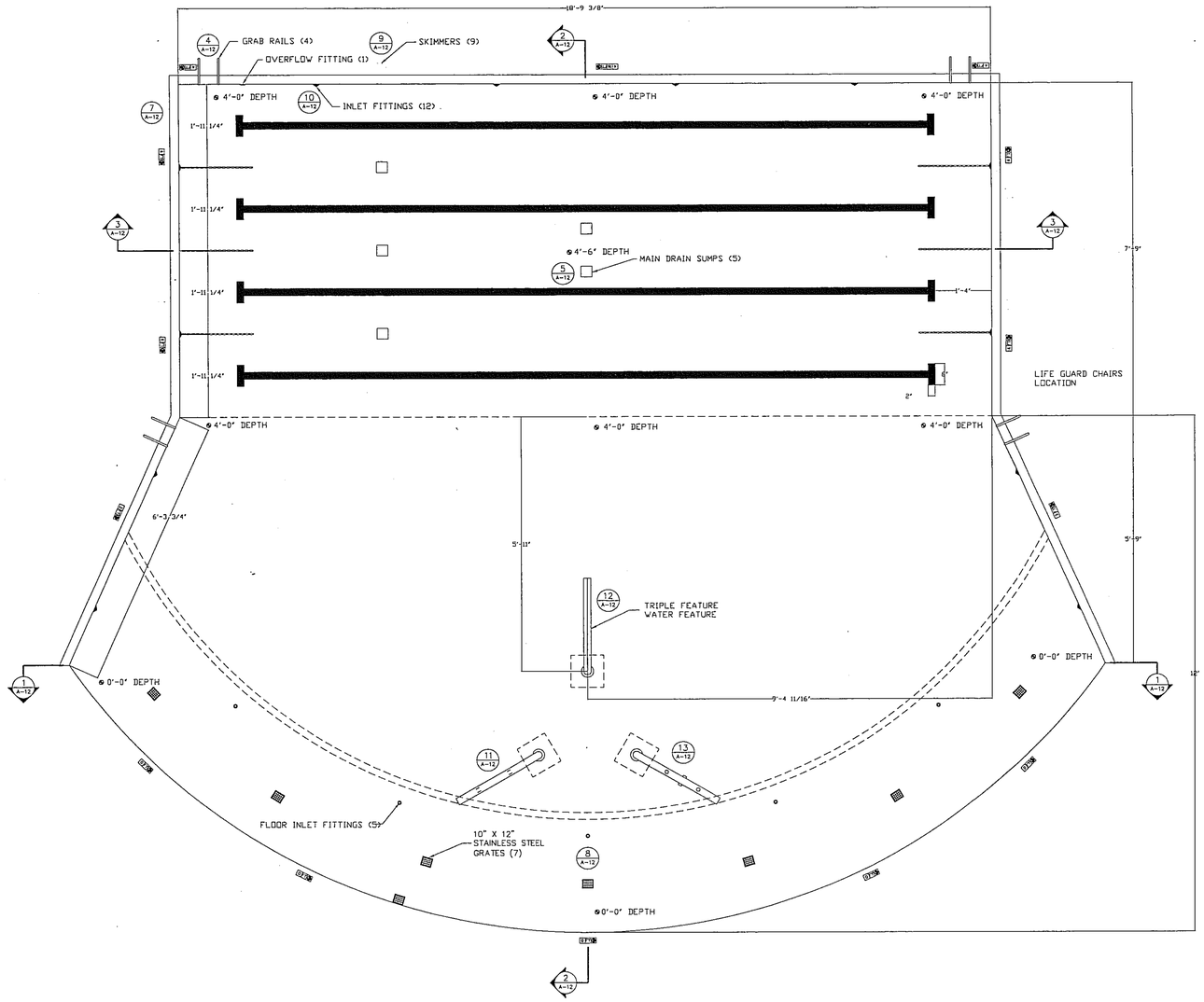
QUANTITY	ITEM	MODEL/MAKER
5	75' RACING LINE	4921/PADDOCK
2	PENNANT LINE - 100' LONG	4906/PADDOCK
4	E-Z SET 2 STARTING PLATFORM WITH ANCHORS	4909/PADDOCK
4	7' X .065 STAINLESS STEEL BACKSTROKE POST WITH ANCHOR	4905/PADDOCK

MISCELLANEOUS EQUIPMENT

QUANTITY	ITEM	MODEL/MAKER
2	HYDROSTATIC RELIEF VALVES	SP1056/HAYWARD
5	INFLOOR INLETS	SP/HAYWARD
12	1 1/2" INLET FITTING	SP1022S/HAYWARD
9	AUTOMATIC SURFACE SKIMMER	SP1082/HAYWARD
1	2" OVERFLOW	SP1019/HAYWARD
1	WATER LEVEL CONTROLLER	6610/PADDOCK
7	10" X 12" STAINLESS STEEL GRATE	CUSTOM/PADDOCK
7	12" X 12" FIBERGLASS MAIN DRAIN BOX WITH PVC GRATING	8812-F/PADDOCK

WATER FEATURES EQUIPMENT

QUANTITY	ITEM	MODEL/MAKER
1	TRIPLE FEATURE WATER FEATURE	AS103/PADDOCK
1	7 1/2 HP PUMP AND MOROT	3095-5/PADDOCK



NOTE:
WATER FEATURES TO BE BID AS ALTENATE.
PLUMBING FOR WATER FEATURES TO BE PART OF BASE BID.

FILE # ?????

STATE OF ALABAMA · CHARLES E. HALL · 1772 · GREENVILLE, ALA. · REGISTERED ARCHITECT

HALL • BAUMHAUER ARCHITECTS, P. C.
2377 AIRPORT BOULEVARD • MOBILE • ALABAMA • 36606 TELEPHONE: (334) 476-4043 • FAX: (334) 476-4044

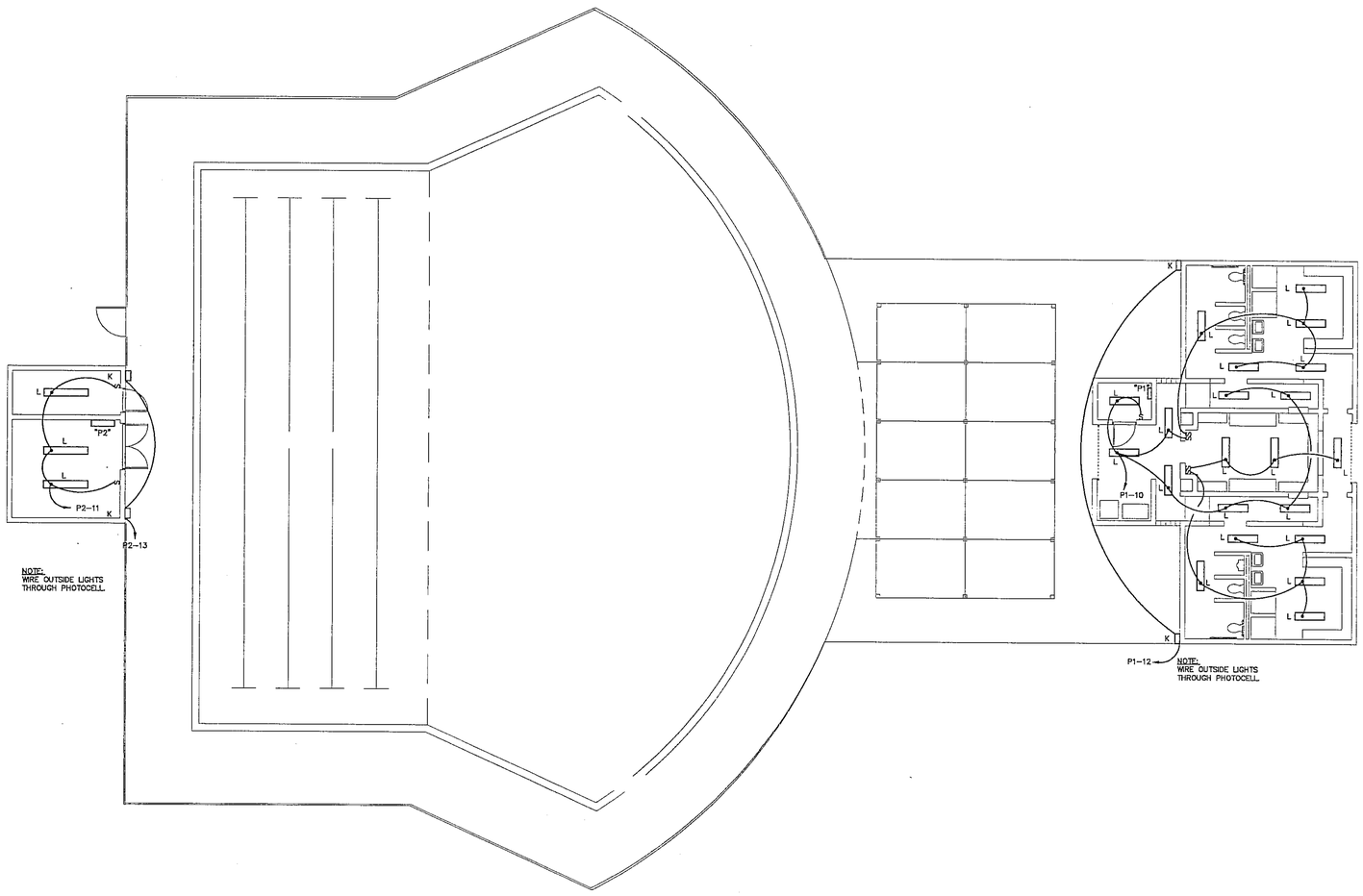
TRINITY GARDENS PARK
NEW COMMUNITY CENTER
CITY OF MOBILE PR-034-95J

PROJECT NUMBER	9608
DATE	7/1/97
REVISIONS	
TITLE	POOL PLUMBING LAYOUT
SHEET	A-14

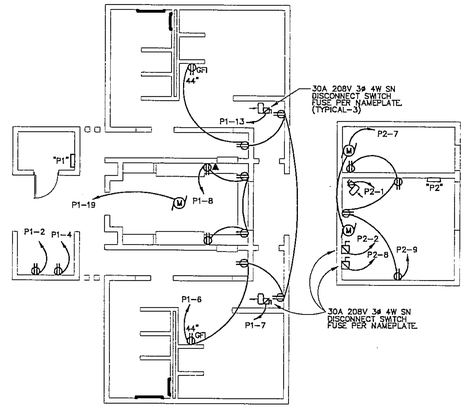
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Record Drawings

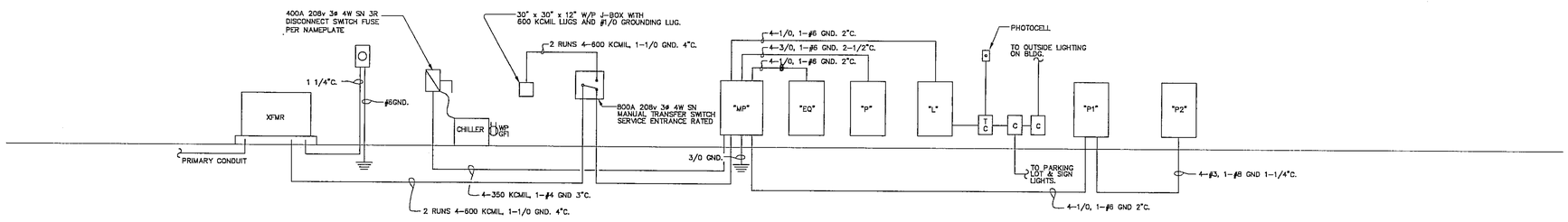
CDC ENGINEERS
1000 HILLCREST RD. SUITE 340
MOBILE, ALABAMA (334) 607-7114
21 EAST WRIGHT STREET
PENSACOLA, FLORIDA (904) 469-0405



1/E3 ELECTRICAL LIGHTING PLAN
SCALE: 1/8" = 1'-0"



2/E3 ELECTRICAL POWER PLAN
SCALE: 1/8" = 1'-0"



3/E3 RISER DIAGRAM
SCALE: 1/8" = 1'-0"

NOTE:
VERIFY EXACT LOCATION OF PAD MTD. XFMR & RESPONSIBILITIES OF ELECTRICAL CONTRACTOR WITH POWER COMPANY REPRESENTATIVE PRIOR TO BIDDING.

FILE # 9608A010A

HALL • BAUMHAUER ARCHITECTS, P. C.
2377 AIRPORT BOULEVARD • MOBILE • ALABAMA • 36606 • TELEPHONE: (334) 476-4043 • FAX: (334) 476-4044

TRINITY GARDENS PARK
NEW COMMUNITY CENTER
CITY OF MOBILE

PROJECT NUMBER	9608
DATE	7-1-97
REVISIONS	
TITLE	ELECTRICAL LGT. & POWER PLAN
SHEET	E-3

Record Drawings

CDC ENGINEERS
1000 HILLCREST RD. SUITE 340 MOBILE, ALABAMA (334) 607-7114
21 EAST WRIGHT STREET PENSACOLA, FLORIDA (904) 469-0405

CIRCUIT SCHEDULE PANEL "P"

120/208 VOLTS – 3 PHASE 4 WSN — 400 AMPS MAIN LUGS ONLY
SURFACE MOUNTED — TOP FED — 10,000 AIC — SQUARE D–NQOD NEMA 1 ENCLOSURE

LOAD DESCRIPTION	WIRE SIZE Ø	N	GND	C.B.	CKT NO.	CONN. LOAD (KVA) PH."A"	PH."B"	PH."C"	CKT NO.	C.B.	WIRE SIZE Ø	N	GND	LOAD DESCRIPTION
AHU #3	10	10	10	30/3	1	2.2 / 1.6			2	20/1	12	12	12	RM. 108&110 RECEPT.
					3		1.3 / 1.6		4	20/1	10	10	10	RM. 110 RECEPT.
					5	1.3 / 1.6			6	20/1	10	10	10	RM. 110 RECEPT.
AHU #4	12	12	12	20/3	7	1.6 / 1.6			8	20/1	12	12	12	RM. 108&110 RECEPT.
					9		1.2 / 1.0		10	20/1	12	12	12	RM.112 RECEPT.
					11			1.2 / 1.0	12	20/1	12	12	12	RM. 112 RECEPT.
UNIT HEATER #3	12	12	12	20/1	13	0.5 / 1.0			14	20/1	12	12	12	VENDING MACHINE
UNIT HEATER #4	12	12	12	20/1	15	0.5 / 1.0			16	20/1	12	12	12	VENDING MACHINE
POPCORN MACHINE	8	8	10	40/2	17		2.0 / 1.5		18	20/1	12	12	12	OFFICE RECEPT.
NACHO WARMER	12	12	12	20/1	19	1.5 / 1.0			20	20/1	12	12	12	HOOD LIGHTS
HOT DOG MACHINE	12	12	12	20/1	21	1.0 / 1.0			22	20/1	12	12	12	SPARE
MICROWAVE	12	12	12	20/1	23		1.2 / 1.5		24	20/1	12	12	12	SPARE
REF.	12	12	12	20/1	25	1.5 / 1.0			26	20/1	12	12	12	RECEPT.
FREEZER	12	12	12	20/1	27		1.5 / 1.0		28	20/1	12	12	12	RECEPT.
COUNTER RECEPT.	12	12	12	20/1	29			1.5 / 1.0	30	20/1	12	12	12	RECEPT. MEATING RM.
COUNTER RECEPT.	12	12	12	20/1	31	2.0 / 1.5			32	20/2	12	12	12	ICE MCAHINE
COUNTER RECEPT.	12	12	12	20/1	33		1.0 / 1.5		34					
COUNTER RECEPT.	12	12	12	20/1	35			1.0 / 0.2	36	40/2	8	8	10	SINK HEATER
EXHAUST FAN	12	12	12	20/2	37	0.4 / 0.2			38					
					39		0.9 / 0.2		40	50/2	6	6	10	DISHWASHER
DISPOSAL	12	12	12	20/1	41			1.4 / 1.4	42					
				TOTALS		17.8	16.5	20.5						

CIRCUIT SCHEDULE PANEL "L"

120/208 VOLTS – 3 PHASE 4 WSN — 225 AMPS MAIN LUGS ONLY
SURFACE MOUNTED — TOP FED — 10,000 AIC INTEGRATED — SQUARE D–NEHB NEMA 1 ENCLOSURE

LOAD DESCRIPTION	WIRE SIZE Ø	N	GND	C.B.	CKT NO.	CONN. LOAD (KVA) PH."A"	PH."B"	PH."C"	CKT NO.	C.B.	WIRE SIZE Ø	N	GND	LOAD DESCRIPTION
RM. 124 LIGHTS	12	12	12	20/1	1	0.6			2					
RM. 124–127 LIGHTS	12	12	12	20/1	3		0.4	0.6	4	20/2	12	–	12	GYM LIGHTS
RM. 117–120 LIGHTS	12	12	12	20/1	5	0.4	0.6		6					
RM. 100 LIGHTS	12	12	12	20/1	7	0.7	0.6		8	20/2	12	–	12	GYM LIGHTS
RM. 100 LIGHTS	12	12	12	20/1	9	0.2			10	20/2	12	–	12	OUTSIDE LIGHTS
RM. 102,103,115&116 LIGHTS	12	12	12	20/1	11		0.4 / 0.2		12					
RM. 104–106&111,113,114 LIGHTS	12	12	12	20/1	13	0.2	0.2		14	20/2	12	–	12	OUTSIDE LIGHTS
RM. 112 LIGHTS	12	12	12	20/1	15	0.2			16					
RM. 107–109 LIGHTS	12	12	12	20/1	17		0.2	0.6	18	20/2	12	–	12	CANOPY LIGHTS
RM. 110 LIGHTS	12	12	12	20/1	19	0.2	0.6		20					
SPARE	–	–	–	20/1	21		2.2		22	30/2	8	–	10	PARKING LOT LIGHTS
TIME CLOCK	12	12	12	20/1	23			1.2	24					
SPARE	–	–	–	20/1	25	0.2			26	30/2	8	–	10	PARKING LOT LIGHTS
SPARE	–	–	–	20/1	27		0.2		28					
SPARE	–	–	–	20/1	29			0.4	30	20/2	10	10	10	LIGHTS
SPACE	–	–	–	–	31	0.5			32					
SPACE	–	–	–	–	33		0		34	20/1	10	10	12	SIGN LIGHTS
SPACE	–	–	–	–	35			0.4	36	20/2	12	12	12	WATER HEATER
SPACE	–	–	–	–	37	0			38					
WATER HEATER	10	10	12	30/2	39		1.3	0	40	20/2	12	12	12	WATER HEATER
					41	2.8	2.8		42					
				TOTALS		12.4	14.2	12.6						

NOTES:
PROVIDE SEPERT GROUNDS IN ALL CONDUITS

CIRCUIT SCHEDULE PANEL "EQ"

120/208 VOLTS – 3 PHASE 4 WSN — 150 AMPS MAIN LUGS ONLY
SURFACE MOUNTED — TOP FED — 22,000 AIC INTEGRATED — SQUARE D–NQOD NEMA 1 ENCLOSURE

LOAD DESCRIPTION	WIRE SIZE Ø	N	GND	C.B.	CKT NO.	CONN. LOAD (KVA) PH."A"	PH."B"	PH."C"	CKT NO.	C.B.	WIRE SIZE Ø	N	GND	LOAD DESCRIPTION
AHU #1	10	10	10	30/3	1	2.2 / 2.0			2					
					3		1.0 / 2.4		4	30/3	10	10	10	AHU #2
					5			2.0 / 2.4	6					
CWP #1	12	12	12	20/3	7	2.4 / 1.2			8					
					9		1.2 / 1.0		10	20/3	12	12	12	CWP #2
					11			2.4 / 1.2	12					
HWP #1	12	12	12	20/1	13	0.6 / 0.6			14	20/1	12	12	12	HWP #2
BOILER CONTROL CIRCUIT	12	12	12	20/1	15		0.3 / 1.0		16	20/1	12	12	12	CHILLER CONTROL
W.H. FAN CONTROL	12	12	12	20/1	17			0.3 / 0.4	18	20/1	12	12	12	CHILLER CONTROL
GYM RECEPT.	12	12	12	20/1	19	1.0 / 1.0			20	20/1	12	12	12	CHILLER RECEPT.
GYM RECEPT.	12	12	12	20/1	21		1.0 / –		22	–	–	–	–	SPACE
SOUND SYSTEM	12	12	12	20/1	23			1.4 / –	24	–	–	–	–	SPACE
SPARE BOARD	12	12	12	20/1	25	1.4 / –			26	–	–	–	–	SPACE
SPARE	12	12	12	20/1	27		– / –		28	–	–	–	–	SPACE
SPARE	12	12	12	20/1	29			– / –	30	–	–	–	–	SPACE
				TOTALS		11.0	8.3	8.7						

CIRCUIT SCHEDULE PANEL "P1"

120/208 VOLTS – 3 PHASE 4 WSN — 750 AMPS MAIN BREAKER
SURFACE MOUNTED — TOP FED — 10,000 AIC INTEGRATED — SQUARE D–NQOD NEMA 1 ENCLOSURE

LOAD DESCRIPTION	WIRE SIZE Ø	N	GND	C.B.	CKT NO.	CONN. LOAD (KVA) PH."A"	PH."B"	PH."C"	CKT NO.	C.B.	WIRE SIZE Ø	N	GND	LOAD DESCRIPTION
PANEL "P2"	3	3	8	100/3	1	4.8 / 1.0			2					
					3		5.3 / 1.0		4	20/1	12	12	12	VENDING MACHINE
					5			5.3 / 1.0	6	20/1	12	12	12	VENDING MACHINE
UNIT HEATER	10	10	10	30/3	7	2.0 / 1.0			8	20/1	12	12	12	RECEPT.
					9		2.0 / 1.8		10	20/1	12	12	12	LIGHTS
					11			2.0 / 1.8	12	20/1	12	12	12	OUTSIDE LIGHTS
UNIT HEATER	10	10	10	30/3	13	3.0 / 2.0			14	20/2	12	12	12	
					15		2.0 / –		16					SPARE
					17			2.0 / –	18	20/1	12	12	12	SPARE
EXHAUST FAN	–	–	–	–	19	1.0 / –			20	20/1	12	12	12	SPARE
SPACE	–	–	–	–	21		* / –		22	–	–	–	–	SPACE
SPACE	–	–	–	–	23	– / –			24					
SPACE	–	–	–	–	25		– / –		26	–	–	–	–	
SPACE	–	–	–	–	27			– / –	28	–	–	–	–	
SPACE	–	–	–	–	29	– / –			30	–	–	–	–	
				TOTALS		14.0	13.3	11.5						

CIRCUIT SCHEDULE PANEL "MP"

120/208 VOLTS – 3 PHASE — 4 WSN — 800 AMPS MAIN LUGS ONLY
SURFACE MOUNTED — BOTTOM FED — 65,000 AIC MINIMUM — SQUARE D–I–LINE TYPE HCW

LOAD DESCRIPTION	WIRE SIZE Ø	N	GND	C.B.	CKT NO.	CONN. LOAD (VA) PH."A"	PH."B"	PH."C"	CKT NO.	C.B.	WIRE SIZE Ø	N	GND	LOAD DESCRIPTION
PANEL "L"	1/0	1/0	6	150/3	1	30 / 11.4	30 / 12	30 / 9.5	2	300/3	350	350	4	CHILLER
PANEL "P"	3/0	3/0	6	200/3	3	11.0	8.3	6.7	4	150/3	1/0	1/0	6	PANEL "EQ"
PANEL "P1"	1/0	1/0	6	150/3	5	17.8	14.5	20.5	6	–	–	–	–	SPACE
						14.0	13.3	11.5						
				TOTALS		84.5	80.1	82.2						

NOTES:
PROVIDE SEPARATE GROUND CONDUCTOR IN ALL CONDUITS LISTED AND LABELED AS SERVICE ENTRANCE EQUIPMENT.

42" W x 9 1/2" D

CIRCUIT SCHEDULE PANEL "P2"

120/208 VOLTS – 3 PHASE 4 WSN — 100 AMPS MAIN BREAKER
SURFACE MOUNTED — TOP FED — 10,000 AIC INTEGRATED — SQUARE D–NQOD NEMA 1 ENCLOSURE

LOAD DESCRIPTION	WIRE SIZE Ø	N	GND	C.B.	CKT NO.	CONN. LOAD (KVA) PH."A"	PH."B"	PH."C"	CKT NO.	C.B.	WIRE SIZE Ø	N	GND	LOAD DESCRIPTION
UNIT HEATER	10	10	10	30/3	1	3.0 / 1.4			2					
					3		2.0 / 1.2		4	30/3	10	10	10	PUMP
					5			2.0 / 1.4	6					
EXHAUST FANS	12	12	12	20/1	7	0.5 / 1.0			8					
RECEPT.	12	12	12	20/1	9		1.0 / 1.8		10	30/3	10	10	10	PUMP
LIGHTS	12	12	12	20/1	11			0.5 / 1.8	12					
OUTSIDE LIGHTS	12	12	12	20/2	13	0.5 / –			14	20/1	12	12	12	SPARE
					15		0.5 / –		16	20/1	12	12	12	SPARE
SPACE	–	–	–	–	17			– / –	18	20/1	12	12	12	SPARE
SPACE	–	–	–	–	19	– / –			20	20/1	12	12	12	SPARE
				TOTALS		8.0	8.5	5.0						

ELECTRICAL SYMBOLS

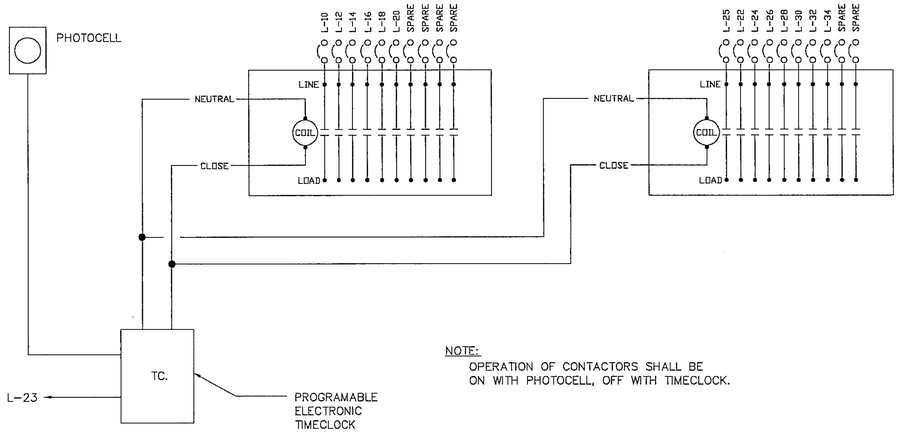
- S — TOGGLE SWITCH – SINGLE POLE – HUBBEL #1221I
- S_M — MANUAL MOTOR STARTER – SQ. D. FG–1P
- S30A 2P — 30A–2P TOGGLE SWITCH FOR ICE MACHINE R.T.U. – W.P. COVER. HUBBLE #HBL3032
- 24" — DUPLEX RECEPTACLE – NUMBER SUBSCRIPT INDICATES MOUNTING HEIGHT ABOVE FINISHED FLOOR IF DIFFERENT THAN SPECIFIED. HUBBEL #5362I
- WP — DUPLEX RECEPTACLE – IN WEATHERPROOF ENCLOSURE OR COVER (GFI) HUBBLE #GF5362I
- SINGLE RECEPTACLE – ISOLATED GROUND HUBBEL #IG5361
- E — SINGLE OUTLET, 30A, 250V, 3 PHASE, 4 WIRE, (1 POLE GD). HUBBELL #8430 WITH #8431.
- UP T — TELEPHONE OUTLET WITH BUSHED HOLE COVER PLATE. 3/4" C. TO ABOVE CEILING. PREWIRE WITH 4 PAIR WIRE.
- UP D — DATA OUTLET WITH BUSHED HOLE COVER PLATE. 3/4" C. TO ABOVE CEILING.
- DISCONNECT SWITCH SIZE AS NOTED.
- ③ — SEE ELECTRICAL NOTES. (ON THIS SHEET)
- A.F.F. — ABOVE FINISHED FLOOR.
- F.B.O. — FURNISHED BY OTHERS/OWNER.
- R.T.U. — ROOF TOP CONDENSING UNIT
- GFI — GROUND FAULT INTERRUPT
- N.L. — NIGHT LIGHT
- C–1,2,3 — CONDUIT RUN CONCEALED IN WALLS OR CEILING SPACES. ARROWS INDICATE HOMERUNS, HASHMARKS INDICATE NUMBER OF CONDUCTORS IF MORE THAN TWO. SUBSCRIPT INDICATES PANEL AND CIRCUIT NUMBERS. GROUND CONDUCTOR REQUIRED IN ALL CONDUITS BUT NOT INDICATED.
- CONDUIT IN OR BELOW FLOORS, (SAME AS ABOVE NOTE)
- EF — EXHAUST FAN.
- SF — SUPPLY FAN.
- CP — CIRCULATING PUMP.
- UH — UNIT HEATER
- WH — WATER HEATER
- J — JUNCTION OR OUTLET BOX.
- UP J T.V. — 1 GANG OUTLET – 3/4" TO ABOVE CEILING FOR T.V. CABLE. BUSHED HOLE COVER PLATE.
- H 48" — 1 GANG OUTLET FOR HOOD SYSTEM – 3/4" C. TO HOOD JUNCTION BOX AS DIRECTED BY HOOD VENDOR 4" OCT. BOX.
- SIGN — JUNCTION OUTLET FOR SIGN–MOUNT SWITCH NEAR SIGN. MAKE ALL CONNECTIONS REQ'D. VERIFY ALL ASPECTS WITH SIGNAGE VENDOR. SEE ARCHITECTURAL ELEVATIONS FOR HEIGHT.
- MOTOR STARTER (F.B.O.) INSTALL WHERE DIRECTED BY HOOD VENDOR IN FIELD.
- SD — SMOKE DETECTOR – (F.B.O.) 120V WIRING BY THIS CONTRACTOR.

2/E4 ELECTRICAL LEGEND

NOT TO SCALE

1/E4 ELECTRICAL PANEL SCHEDULES

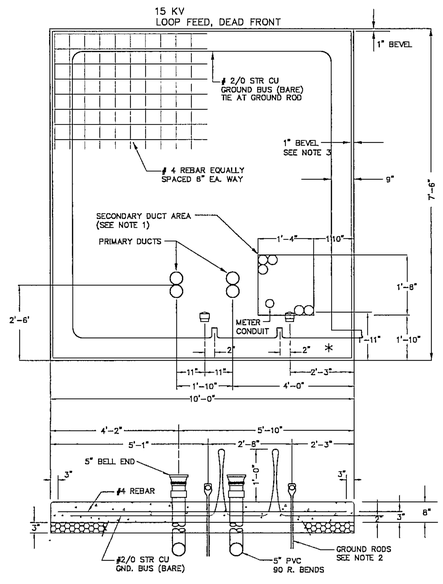
NOT TO SCALE



NOTE:
OPERATION OF CONTACTORS SHALL BE ON WITH PHOTOCELL, OFF WITH TIMECLOCK.

3/E4 EXTERIOR LIGHTING CONTROL

NOT TO SCALE



ALABAMA POWER & ELECTRICAL CONTRACTOR RESPONSIBILITIES FOR UNDERGROUND SERVICE AND PADMOUNTED TRANSFORMER

ALABAMA POWER WILL FURNISH, INSTALL AND OWN:

1. OVERHEAD DISTRIBUTION LINES AND POLES.
2. PRIMARY CABLE FROM THE RISER POLE TO THE PADMOUNTED TRANSFORMER.
3. PADMOUNTED TRANSFORMER.
4. METER, METER CABLE AND METERING CURRENT TRANSFORMERS.
5. SECONDARY CABLE CONNECTORS AT THE TRANSFORMER.

ALABAMA POWER WILL FURNISH & ELECTRICAL CONTRACTOR WILL INSTALL:

1. METER SOCKET TO BE INSTALLED ON THE OUTSIDE OF THE BUILDING.
2. TWO 1/2" x 10' CU. GROUND RODS & #2/0 CU. GROUND BUS WIRE FOR THE CONCRETE PAD.

THE ELECTRICAL CONTRACTOR WILL FURNISH AND INSTALL:

1. THE CONCRETE TRANSFORMER PAD, AS PER DETAIL.
   a. DUCT ENTRANCE MUST BE KEPT WITHIN THE BOUNDRY LINES SHOWN.
   b. CONCRETE TO DEVELOP 3000 PSI COMPRESSION STRENGTH WITHIN 28 DAYS.
   c. PAD TO BE POURED ON A 3" MINIMUM COMPACTED GRAVEL FILL THAT IS PLACED ON WELL COMPACTED EARTH.
2. PRIMARY TRENCH (48" BELOW FINAL GRADE) & BACKFILL FOR THE 5" CONDUIT FROM THE BASE OF THE RISER POLE TO THE PAD.
3. 5" CONDUIT FOR PRIMARY CABLE. BENDS AT RISER POLE AND PAD TO BE 48" RADIUS.
4. METERING CONDUIT (1 1/4" PVC) FROM SECONDARY COMPARTMENT OPENING TO THE METER SOCKET.
5. SECONDARY SERVICE CONDUCTORS AND CONDUIT.
6. PULL WIRE IN 5" PRIMARY AND 1 1/4" METERING CONDUIT.
7. METER SOCKET GROUNDING.

4/E4 TRANSFORMER PAD DETAIL

NOT TO SCALE

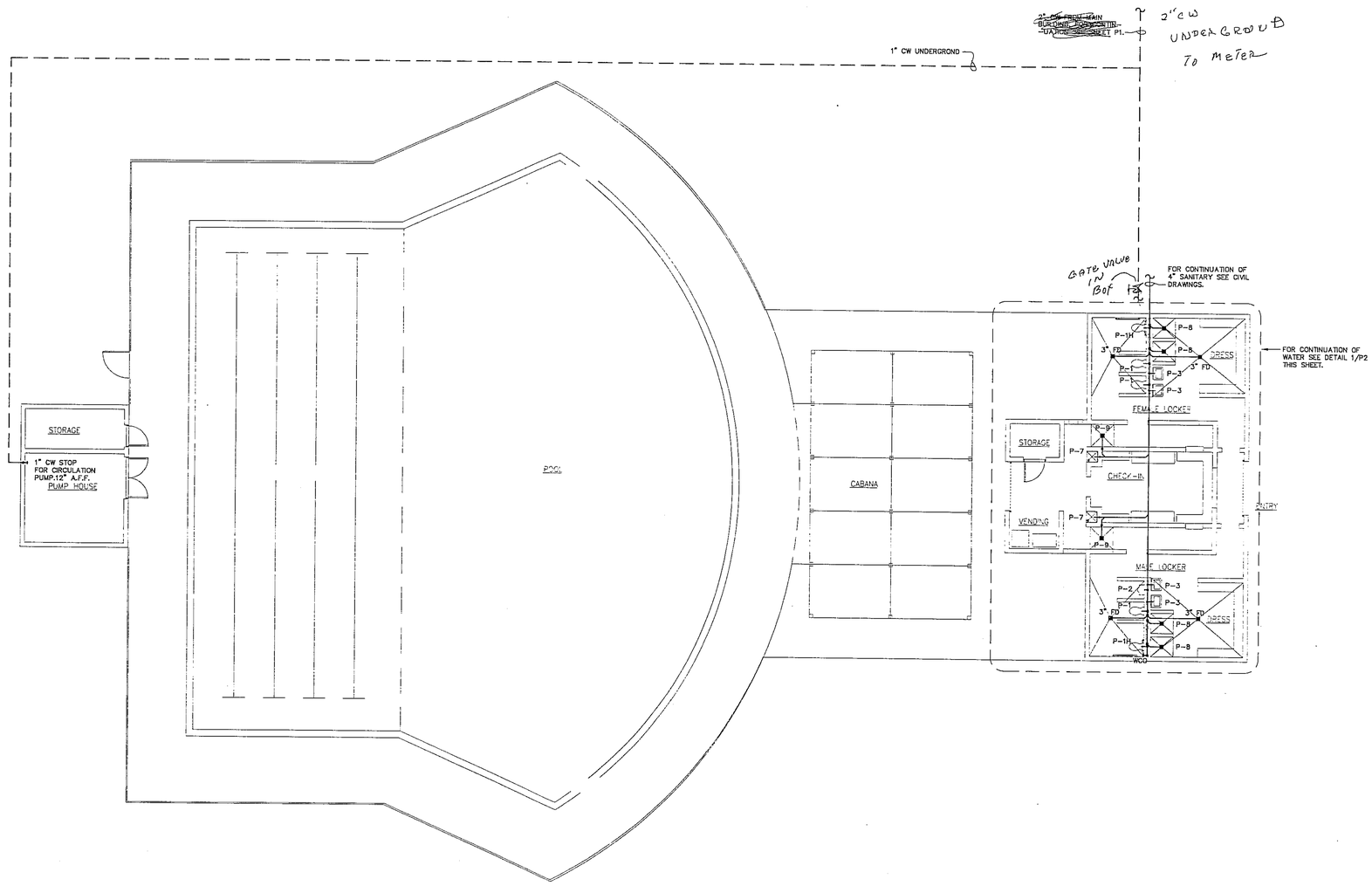
HALL • BAUMHAUER ARCHITECTS, P. C.
2377 AIRPORT BOULEVARD • MOBILE, ALABAMA • 36606
TELEPHONE: (334) 476–4043 • FAX: (334) 476–4044

TRINITY GARDENS PARK
NEW COMMUNITY CENTER
CITY OF MOBILE

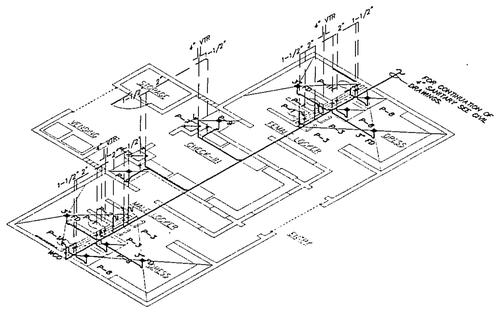
PROJECT NUMBER 9608
DATE 7–1–97
REVISIONS
TITLE ELECTRICAL PANEL SCHEDULES
SHEET E–4

FILE # 60BA01DA

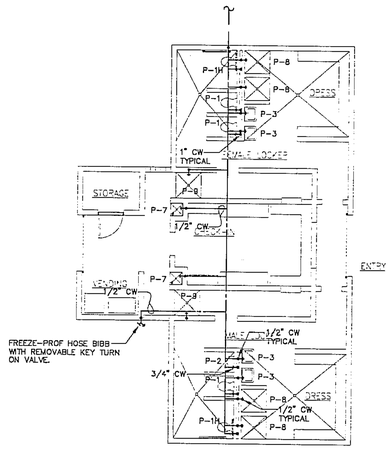
Record Drawings



1 / P2 POOL HOUSE PLUMBING PLAN
1/8"=1'-0"



1 / P2 POOL HOUSE WASTE RISER
1/8"=1'-0"



1 / P2 POOL HOUSE PLUMBING PLAN
1/8"=1'-0"

ALABAMA REGISTERED NO. 14514 PROFESSIONAL ENGINEER

FILE # 608A010A

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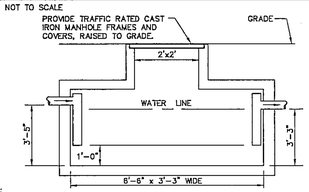
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PROJECT NUMBER	9608
DATE	7-1-97
REVISIONS	
TITLE	POOL PLUMBING PLAN
SHEET	P-2

Record Drawings

1. THIS CONTRACTOR SHALL EXECUTE ALL WORK SO THAT IT PROCEEDS WITH A MINIMUM OF INTERFERENCE WITH OTHER TRADES AND NORMAL FUNCTIONING OF EXISTING FACILITIES AND SERVICES.
2. VERIFY EXACT ROUGH-IN AND FINAL EQUIPMENT REQUIREMENTS IN FIELD.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL CONNECTIONS TO PLUMBING FIXTURES AND KITCHEN EQUIPMENT, THIS INCLUDES, BUT NOT LIMITED TO FURNISHING AND INSTALLING ALL TRAPS, DRAINS, AND SUPPLIES WITH STOPS.
4. THE CONTRACTOR SHALL VERIFY THAT ALL PIPING, AS SHOWN ON THESE DRAWINGS WILL NOT CONFLICT WITH ANY DRAINS, SCUTTLES, JOINTS, VENTS, EQUIPMENT, ETC.
5. COORDINATE ROUTING AND LOCATIONS OF WASTE AND VENT PIPING WITH ALL OTHER TRADES.
6. THE PLUMBING CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND OTHER TRADES, ALL REQUIRED OPENINGS AND EXCAVATIONS. ALL REQUIRED OPENINGS IN FOUNDATIONS, FLOORS, WALLS, AND ROOFS SHALL BE DESIGNED INTO THE STRUCTURE INTIALLY BY THE USE OF SLEEVES, CURBS, ETC. CUTTING AND PATCHING SHALL BE HELD TO A MINIMUM.
7. ALL ITEMS PROJECTING THROUGH THE ROOF SHALL BE FLASHED A MINIMUN OF 12" ABOVE THE ROOF. ALL VENTS SHALL BE A MINIMUM OF 10' FROM ANY OUTSIDE AIR INTAKE.
8. ALL FLOOR DRAINS ARE TO HAVE 6" DEEP SEAL TRAPS & TRAP PRIMER LINES.
11. INSULATE WATER SUPPLY AND WASTE PIPING UNDER HANDICAPPED LAVATORIES WITH "HANDI-LAV GUARD" JACKET BY TRUEBRO (203) 875-2968.
14. INSTALL GAS VALVE (FBC) IN GAS LINE TO COOKING EQUIPMENT. INTERLOCK WITH HOOD FIRE PROTECTION SYSTEM. VERIFY REQUIREMENTS WITH HOOD SUPPLIER. INSTALL UNIONS AT THE SOLENOID VALVE.
15. CONTRACTOR TO PROVIDE AND INSTALL SHUT OFF COCKS AT ALL GAS EQUIPMENT. RUBY TUESDAY RESTAURANT TO SUPPLY, AND CONTRACTOR TO INSTALL, QUICK DISCONNECTS AND FLEXIBLE LINES ON ALL EQUIPMENT.
16. CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDENSATE DRAIN PIPING AND FITTINGS. INSULATE ALL CONDENSATE DRAIN PIPING AND FITTINGS WITH 1/2" "ARMAFLEX" PIPE INSULATION.
17. PROVIDE STOPS AND SHOCK ABSORBERS AT EACH FIXTURE OR GROUP OF FIXTURES.
18. PROVIDE VACUUM BREAKERS AT FIXTURES WITH HOSE THREAD CONNECTIONS AND APPLIANCES WITH DIRECT CONNECTIONS TO DOMESTIC WATER.
19. PROVIDE DI-ELECTRIC UNIONS AT ALL DISSIMILAR METAL PIPE CONNECTIONS.
20. ALL FLOOR DRAINS AND CLEANOUTS SHALL BE EQUIPPED WITH STAR-TYPE SCREWS.
21. ALL WATER LINES INSTALLED IN EXTERIOR WALLS SHALL BE INSTALLED INSIDE OF WALL INSULATION AND INSULATED INDIVIDUALLY TO PROTECT FROM FREEZING.

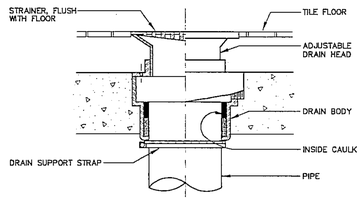
9/P4 GENERAL PLUMBING NOTES
NOT TO SCALE



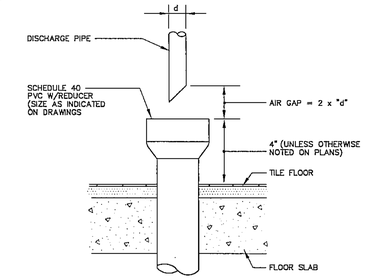
NOTES:
1. PROVIDE TWO-WAY CLEANOUTS BEFORE AND AFTER GREASE TRAP.
2. WALLS, TOP, AND BOTTOM SHALL BE 4" THICK CONCTETE WITH #5 RODS, 6" o.c. EACH WAY.
3. PRECAST UNIT MAY BE INSTALLED, PROVIDED IT IS CONSTRUCTED IN ACCORDANCE WITH ALL APPLICABLE CODES AND PIPING IS AS SHOWN IN THIS DETAIL.
4. PROVIDE BAFFLES IF REQUIRED BY LOCAL CODES.
5. FIELD VERIFY EXACT LOCATION OF GREASE TRAP AND COORDINATE ITS LOCATION IN FIELD. THIS CONTRACTOR SHALL REPAIR ALL EXISTING PAVING AND UTILITIES DAMAGED DURING INSTALLATION.
6. IF INSTALLED IN TRAFFIC AREA PROVIDE 6" THICK CONCRETE COLLAR OVER GREASE TRAP FLUSH WITH GRADE, TO EXTEND MINIMUM 12" PAST ALL SIDES OVER GREASE TRAP. PROVIDE #4 BARS 12" o.c. EACH WAY.

9/P4 500 GALLON GREASE TRAP DETAIL
NOT TO SCALE

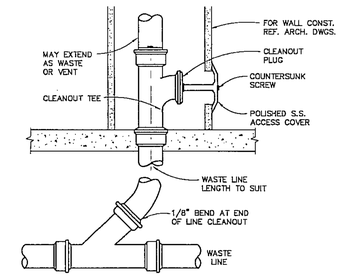
9/P4 NOT USED
NOT TO SCALE



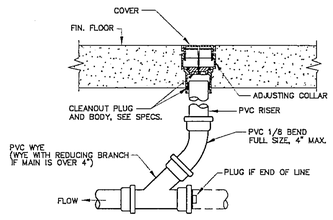
2/P4 FLOOR DRAIN DETAIL
NOT TO SCALE



6/P4 HUB DRAIN DETAIL
NOT TO SCALE



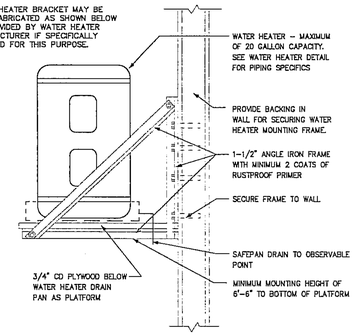
10/P4 WALL CLEANOUT DETAIL
NOT TO SCALE



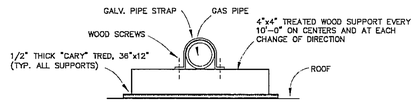
14/P4 FLOOR CLEANOUT DETAIL
NOT TO SCALE

14/P4 NOT USED
NOT TO SCALE

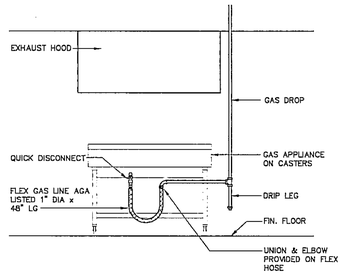
NOTE:
WATER HEATER BRACKET MAY BE FIELD FABRICATED AS SHOWN BELOW OR PROVIDED BY WATER HEATER MANUFACTURER IF SPECIFICALLY DESIGNED FOR THIS PURPOSE.



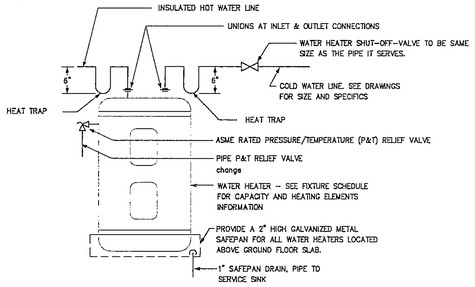
7/P4 WATER HEATER MOUNTING DETAIL
NOT TO SCALE



7/P4 ROOFTOP GAS PIPE SUPPORT
NOT TO SCALE



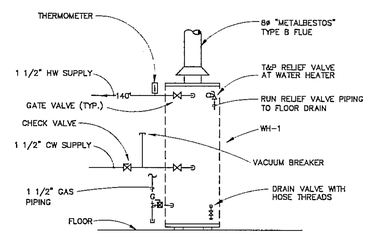
15/P4 TYP. GAS APPLIANCE CONNECTION
NOT TO SCALE



7/P4 WATER HEATER PIPING DETAIL
NOT TO SCALE

7/P4 NOT USED
NOT TO SCALE

NOTES:
1. WH-1 SHALL BE FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR.
2. THIS CONTRACTOR SHALL PERFORM START-UP AND ADMINISTER WARRANTY.
3. PROVIDE DI-ELECTRIC UNIONS AT ALL CONNECTIONS OF DISSIMILAR METALS.



4/P4 WATER HEATER PIPING DETAIL
NOT TO SCALE

	WASTE PIPING
	COLD WATER SUPPLY PIPING
	HOT WATER SUPPLY PIPING
T	TEMPERD HOT WATER PIPING
G	GAS PIPING
C	CONDENSATE DRAIN PIPING
	GATE VALVE
	UNION
	GAS COCK
	MECHANICAL GAS VALVE
	CHECK VALVE
	FLOOR DRAIN
	FLOOR SINK
	HUB DRAIN
	CLEAN OUT IN FLOOR
	WALL CLEAN OUT

8/P4 PLUMBING LEGEND
NOT TO SCALE

EQUIPMENT	BTUH INPUT
RANGE	145,000
FRYER	150,000
BOILER	500,000
TOTAL USAGE	795,000
APPROX. DISTANCE FROM REGULATOR TO FARTHEST TAKE OFF 170'	
GAS TYPE: NATURAL GAS	

12/P4 GAS LOAD SCHEDULE
NOT TO SCALE

MARK	FIXTURE	CONN. W	CONN. CW	CONN. HW	MANUFAC. & MODEL	DESCRIPTION
P-1	WATER CLOSET	4"	1"	–	AM. STD. 2221.018	FLOOR MOUTED BOTTOM OUTLET VITREOUS CHINA 1.5 GALLON FLUSH WITH SLOAN ROYAL 110-3 YB FLUSH VALVE. WITH CHURCH 9500C WHITE/OPEN FRONT SEAT.
P-1H	WATER CLOSET (HANDICAP)	4"	1"	–	AM. STD. 3043.102	FLOOR MOUTED BOTTOM OUTLET VITREOUS CHINA 1.5 GALLON FLUSH WITH SLOAN ROYAL 111 YB FLUSH VALVE. WITH CHURCH 9500C WHITE/OPEN FRONT SEAT.
P-2	URINAL	2"	3/4"	–	AM. STD. 6601.012	WALL HUNG BLOW OUT 1 GALLON FLUSH WITH SLOAN ROYAL 180 YB FLUSH VALVE
P-2H	URINAL (HANDICAP)	2"	3/4"	–	AM. STD. 6541.132	WALL HUNG BLOW OUT 1 GALLON FLUSH WITH SLOAN ROYAL 186 YB FLUSH VALVE, MOUNT WITH RIM 16" A.F.F.
P-3	LAVATORY	1 1/4"	1/2"	1/2"	AM. STD. 0476.028	SELF RIMMING COUNTERTOP LAVATORY WITH FAUCET HOLES 4" o.c. A.S. 2385.130 FAUCET, STRAINER DRAIN, TRAP AND SUPPLY STOPS.
P-4	LAVATORY	1 1/4"	1/2"	1/2"	AM. STD. 0321.075	WALL HUNG VITREOUS CHINA, 4" o.c. FAUCET HOLES, A.S. 2385.130 FAUCET, STRAINER DRAIN, TRAP AND SUPPLY STOPS.
P-5	KITCHEN SINK	1 1/4"	1/2"	1/2"	ELKAY LR-3321	18 GA. 2 COMP. SS SELF RIMMING COUNTERTOP SINK LK 4102 DECK MTD FAUCET, LK 99 STRAINER, TRAP
P-6	MOP SINK	3"	1/2"	1/2"	FIAT MSB-3624	FLOOR MOUNTED MOLDED STONE BASIN WITH T&S FAUCET NO. B-167 AND HOOK NO. B-104D WITH ZURN MODEL Z-511-Y DRAIN WITH SEDIMENT BUCKET. (PROVIDED BY CONTRACTOR)
P-7	WATER COOLER	1 1/2"	1/2"	–	ELKAY LISE-8-G	WALL MOUNTED BARRIER FREE. COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS.
P-8	SHOWER (HANDICAP)	2"	1/2"	–	BRADLEY	"ECONO-WALL" SHOWER HEAD WITH VOLUME CONTROL AND BALL JOINT. "TOUCH N FLOW" METERING VALVE SET FOR 60 SEC. DRAIN WITH POLISHED SS STRAINER PLATE. MOUNT VALVE AT HC ACCESSIBLE HEIGHT.
P-9	FOOT WASH	2"	1/2"	–	BRADLEY	"ECONO-WALL" SHOWER HEAD AT 18" A.F.F. WITH VOLUME CONTROL AND BALL JOINT. "TOUCH N FLOW" METERING VALVE SET FOR 30 SEC. DRAIN WITH POLISHED SS STRAINER PLATE. MOUNT VALVE AT HC ACCESSIBLE HEIGHT.
WH-1	WATER HEATER	–	1/2"	1/2"	LOCHINVAR JRC0086	1.5 KW, 208V, 1# W/6 GALLON TANK
WH-2	WATER HEATER	–	3/4"	3/4"	LOCHINVAR ETJO40-EE	3 KW, 208V, 1# 40 GALLON TANK.

16/P4 PLUMBING FIXTURE SCHEDULE
NOT TO SCALE

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TRINITY GARDENS PARK
NEW COMMUNITY CENTER
CITY OF MOBILE

PROJECT NUMBER 9608
DATE 7-1-97
REVISIONS
TITLE DETAILS & SCHEDULES SHEET
SHEET P-3

FILE # 9608D10A