

---

**ADDENDUM NUMBER TWO**  
**TO THE CONTRACT DOCUMENTS FOR CONSTRUCTION OF**  
**ORANGE BEACH RECREATION COMPLEX NEW ADULT FITNESS CENTER**  
**CITY OF ORANGE BEACH**

This addendum forms a part of the Contract Documents and modifies the Bid Documents dated February 14, 2020.

This Addendum consists of two (2) page Addendum, (4) general documents, fifth-teen (15) Specifications, & five (5) full-size sheets.

**GENERAL**

ITEM 01      POST PRE-BID BIDDERS LIST  
Please see attached Document

ITEM 02      PRE-BID MEETING SIGN-IN SHEET  
Please see attached Document

ITEM 03      PRE-BID MEETING AGENDA  
Please see attached Document

ITEM 04      BIDDER QUESTIONS  
Please see attached Document



**SPECIFICATION**

ITEM 01      SPECIFICATIONS REVISED

**Reissued the following Specification(s) in its entirety.**

1. SECTION 000110 – TABLE OF CONTENTS
  - a. Removed 1 Specification
    1. 01 2976.13 – SALES AND USE TAX SAVINGS
  - b. Adds 2 new specifications.
    1. 00 4513 – CONTRACTOR QUALIFICATION STATEMENT
    2. 01 2976.16 – TAX GUIDANCE FOR CONTRACTORS, SUBCONTRACTORS AND ALABAMA GOVERNMENTAL ENTITIES REGARDING CONSTRUCTION RELATED PRODUCTS
2. SECTION 004100 – BID FORM
3. SECTION 004301 – BID FORM SUPPLEMENTS COVER SHEET
4. SECTION 007300 – SUPPLEMENTARY CONDITIONS
5. SECTION 011000 – SUMMARY
6. SECTION 012000 – PRICE AND PAYMENT PROCEDURES
7. SECTION 012900 – PAYMENT PROCEDURES
8. SECTION 013000 – ADMINISTRATIVE REQUIREMENTS
9. SECTION 013100 – PROJECT MANAGEMENT AND COORDINATION
10. SECTION 013233 – PHOTOGRAPHIC DOCUMENTATION
11. SECTION 102800 – TOILET, BATH AND LAUNDRY ACCESSORIES
  - a. Removal of Hand Dryer Accessory
12. SECTION 104313 – DEFIBRILLATOR CABINETS
  - a. Replace Previous Product Basis of Design Defibrillator with City Adopted Product

13. SECTION 07113.13 – EXTERIOR SHUTTERS  
a. Clarify Operation and Accessory Requirements For The Product

ITEM 02      SPECIFICATIONS REMOVED FROM THE PROJECT MANUAL  
**Removed Specification** in its entirety  
1. SECTION 01 2976.13 – SALES AND USE TAX SAVINGS

ITEM 03      SPECIFICATIONS ADDED TO PROJECT MANUAL  
**Add Specification** in its entirety  
1. 00 4513 – CONTRACTOR QUALIFICATION STATEMENT  
2. 01 2976.16 – TAX GUIDANCE FOR CONTRACTORS, SUBCONTRACTORS AND ALABAMA GOVERNMENTAL ENTITIES REGARDING CONSTRUCTION RELATED PRODUCTS

**DRAWINGS**

ITEM 01      SHEET E100 – ELECTRICAL LEGENDS, NOTES, SCHEDULES  
**Reissue Sheet** in its entirety.  
1. Revised Legend Symbol “AIC-P” Description

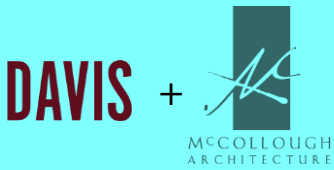
ITEM 02      SHEET E101 – ELECTRICAL SITE PLAN  
**Reissue Sheet** in its entirety.  
1. Add Key Notes 8 & 9  
2. Add Additional Conduits for Automatic Transfer Switch and Electrical Panels.

ITEM 03      SHEET E301 – LEVEL 1 - SYSTEMS PLAN  
**Reissue Sheet** in its entirety.  
1. Add Key Notes 4

ITEM 04      SHEET E302 – SYSTEM PLAN DETAILS  
**Reissue Sheet** in its entirety.  
1. Revised A/V System Online Diagram

ITEM 05      SHEET E400 – RISER DIAGRAM  
**Reissue Sheet** in its entirety.  
1. Add Note 6 & 7 to Riser Diagram and Rise Diagram Conductor Legend

**END OF ADDENDUM**



**ORANGE BEACH RECREATION COMPLEX  
NEW ADULT FITNESS CENTER  
POST PRE-BID ATTENDEES BIDDER'S LIST**  
Bid Date on Thursday March 26, 2020 @ 2:00 PM  
(See the project manual for bidding requirements)

**POTENTIAL BIDDER'S:**

BCM MORRING COMPANY, INC. - (Ronnie Johnson, [rjohnson@bcmmorrning.com](mailto:rjohnson@bcmmorrning.com))  
P: (251) 219-6902

C. ROBERDS GENERAL CONTRACTORS, LLC- (David Hinote, [davidh@croberdsgc.com](mailto:davidh@croberdsgc.com); Jake Roberds, [cain@croberdsgc.com](mailto:cain@croberdsgc.com))  
P: (251) 767-2865

CUNNINGHAM DELANEY CONSTRUCTION - (Richard Deas, [richard@cunninghamdlaney.com](mailto:richard@cunninghamdlaney.com))  
P: (251) 988-1230

FITZGERALD CONSTRUCTION LLC – (Michael D Fitzgerald, [fitz@fitzllc.com](mailto:fitz@fitzllc.com))  
P: (251) 550-7720

HARRISON CONSTRUCTION – (Lance Wyatt & Ted R., [lwyatt@harrison-const.com](mailto:lwyatt@harrison-const.com))  
P: (205) 292-8184

PHIL HARRIS CONSTRUCTION, INC – (Brenda J. Hamrick, [brenda@harrisconstruction.net](mailto:brenda@harrisconstruction.net); Jerry Gordon, [jerry@harrisconstruction.net](mailto:jerry@harrisconstruction.net))  
P: (251) 968-7128

REED-HAYS CONSTRUCTION, LLC. - (Matthew Reed, [mreed@haysconstruction.com](mailto:mreed@haysconstruction.com))  
P: (251) 586-8642

STUART CONSTRUCTION LLC – (Michael Dorough, [mdorough@stuartconstructionllc.com](mailto:mdorough@stuartconstructionllc.com); John R Alms, [jalms@stuartconstructionllc.com](mailto:jalms@stuartconstructionllc.com))  
P: (251) 979-2814

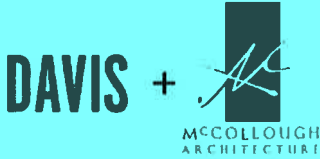
THE GREEN-SIMMONS COMPANY, INC – (Davin Smith, [davin@green-simmons.com](mailto:davin@green-simmons.com))  
P: (850) 429-0145

THE HIGHLAND GROUP - (Ryan Long, [r.long@highlandgroup.org](mailto:r.long@highlandgroup.org); Kelly Ainsworth, [k.ainsworth@highland.org](mailto:k.ainsworth@highland.org))  
P: (251) 968-9253

TRIPTEK CONSTRUCTION LLC – (Miles Smith, [miles@triptekllc.com](mailto:miles@triptekllc.com); Mark Rogers, [mark@triptekllc.com](mailto:mark@triptekllc.com))  
P: (334) 332-2187

WHARTON-SMITH, INC – (AJ Brown, [ajbrown@whartonsmith.com](mailto:ajbrown@whartonsmith.com))  
P: (228) 284-2068

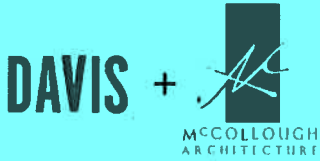
YOUNGBLOOD-BARRETT CONSTRUCTION AND ENGINEERING, LLC. - (Chris Dunning & Jimmy Butler, [chris.dunning@ybce.net](mailto:chris.dunning@ybce.net))  
P: (251) 293-0745



**ORANGE BEACH RECREATION COMPLEX  
NEW ADULT FITNESS CENTER  
PRE-BID MEETING AGENDA**

Mandatory Pre-Bid on Thursday March 12, 2020 @11:00 AM

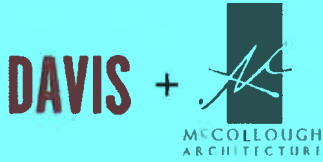
NAME	COMPANY	EMAIL	PHONE
1. AJ Brown	Wharton-Smith	ajbrown@whartonsmith.com	850-501-5795 850-686-6060
2. Davin Smith	The Green-Simmons Co.	davin@green-simmons.com	251-988-1941
3. <del>TEO ROMANO</del>	<del>HARRISON</del>	<del>orangebeach@harrison.com</del>	<del>251-609-3889</del>
4. MATTHEW REED	REED-HAYS CONST.	mreed@reedhaysconstruction.com	251-217-4996
5. RICHARD DEAS	CUNNINGHAM DELANEY	RICHARD@CUNNINGHAMDELANEY.COM	251-988-1233
6. Ike Roberts	C. Roberts Sr	caix@croberidsqc.com	251-767-2865
7. Kelly Ainsworth	K. AINSWORTH	K.AINSWORTH@HIGHLAND.ORG.	251-501-3441
8. BLAKE MILLER	Panama Blue	bmiller.panamax@yahoo.com	251-610-7619
9. Mark Rodgers	Triptek Const.	mark@triptekllc.com	334-332-2187
10. Nick Davis	STONHARD	NDAVIS@STONHARD.COM	251-605-0426
11. MIKE FITZGERALD	FITZ CONST.	FITZ@FITZLLC.COM	251-550-7720
12. MIKE MILFORD	JOHNSON CONTEW	michael.milford@jci.com	257-455-5005
13. JOHN R ALMS	STUART CONSTRUCTION	jalm@stuartconstructionllc.com	251-979-3814
14. Jimmy Butler	Yungblood Barrett	Chris.Dunning@YBLE.net	251-297-074



**ORANGE BEACH RECREATION COMPLEX  
NEW ADULT FITNESS CENTER  
PRE-BID MEETING AGENDA**

Mandatory Pre-Bid on Thursday March 12, 2020 @11:00 AM

NAME	COMPANY	EMAIL	PHONE
15. JERRY GORDON	PAUL HARRIS CONST	JERRY@HARRISCONSTRUCTION.NET	(251) 379-695
16. RONNIE JOHNSON	BCM MORRIS	rjohnson@bcmorris.com	251-408-2008
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			



**ORANGE BEACH RECREATION COMPLEX  
NEW ADULT FITNESS CENTER  
PRE-BID MEETING AGENDA**

**Mandatory Pre-Bid on Thursday March 12, 2020 @11:00 AM**

**Introduction by McCollough Architects**

- 1. Introduction of the Owner and Design Team Members**
- 2. Discussion of Bid day**
  - a. Bid Date: Thursday March 26, 2020**
  - b. Time 2:00 PM**
  - c. Location: Office of City Clerk  
(Orange Beach City Hall 4099, Orange Blvd. Blvd, Orange Beach AL)**
- 3. Instruction to bidders & Delivery Envelope**
  - a. Where they should be hand delivered or mailed**
- 4. Procedure for opening of bids**
  - a. Review of bid bond, and all requirements, reading of proposal amounts, bid bond, etc**
  - b. Recordings of the bids on a bid tabulation sheet**
  - c. Description of Proposal Form**
    - Bid Form, Bid Form Supplements Cover Sheet, Sales Tax Form, Certificate of Compliance, Affidavit of Contractor, A305 Contractor's Qualifications Statement, Bid Bond**

**Project discussion by Davis Architects**

- 1. Project Description & Schedule**
- 2. Alternates**
- 3. Addendums**
- 4. Bidder Questions and Substitutions**
- 5. Site access security and vandalism concerns**
- 6. Site Demolition Concerns**
- 7. Contractor Permitting Responsibilities**
- 8. Discussion of detention pond simultaneous work**
- 9. Discussion of pay app submission requirements**
- 10. Questions from Bidders**

**Bidders to walk site (Optional)**







**SECTION 00 0110**  
**TABLE OF CONTENTS**

**PROCUREMENT AND CONTRACTING REQUIREMENTS**

**DIVISION 00 -- PROCUREMENT AND CONTRACTING REQUIREMENTS**

- 00 0107 - Seals Page
- 00 0110 - Table of Contents
- 00 1113 – Advertisement for Bids
- 00 2113 – Instructions to Bidders
- 00 3100 – Available Project Information
  - Report of Geotechnical Exploration
- 00 4000 - Procurement Forms and Supplements
- 00 4100 – Bid Form
- 00 4102 – Attachment A Sales Tax Form
- 00 4301 – Bid Form Supplements Cover Sheet
- 00 4310 – Certificate of Compliance Act 2016-312
- 00 4310.10 – Affidavit of Contractor or Direct Vendor
- 00 4313 – Bid Bond
- 00 4325 – Substitution Request Form – Pre-Bid
- 00 4513 – Contractor Qualification Statement (Addendum #2 – March 13, 2020)
- 00 4519.12 – Disclosure Statement
- 00 5000 - Contracting Forms and Supplements
- 00 5200 – Agreement Form
- 00 5210 – Agreement Form Exhibit A: Bonds and Insurance
- 00 6113.13 – Performance Bond
- 00 6113.16 – Payment Bond
- 00 6276 – Application and Certificate for Payment
- 00 6276.18 – Progress Schedule and Report
- 00 6325 – Substitution Request – Post-Bid
- 00 6516 – Certificate of Substantial Completion
- 00 6536.13 – General Contractor’s Roofing Guarantee
- 00 6573.13 – Advertisement for Completion
- 00 7200 – General Conditions of the Contract for Construction
- 00 7200.13 – Contractor’s Affidavit of Release of Liens
- 00 7300 - Supplementary Conditions
- 00 7323.22 – Application for Sales and Use Tax Certificate of Exemption

**SPECIFICATIONS**

**DIVISION 01 -- GENERAL REQUIREMENTS**

- 01 1000 - Summary
- 01 2000 - Price and Payment Procedures
- 01 2100 – Allowances
- 01 2200 – Unit Prices

- 01 2300 – Alternates
- 01 2500 – Substitution Procedures
- 012600 – Contract Modification Procedures
- 01 2900 – Payment Procedures
- 01 2976.16 – Tax Guidance for Contractors, Subcontractors and Alabama Governmental Entities Regarding Construction Related Products (Addendum #2 – March 13, 2020)
- 01 3000 - Administrative Requirements
- 01 3100 – Project Management and Coordination
- 01 3200 – Construction Progress Documentation
- 01 3233 – Photographic Documentation
- 01 3300 – Submittal Procedures
- 01 4000 - Quality Requirements
- 01 4538 – Structural Tests and Special Inspections
- 01 5000 - Temporary Facilities and Controls
- 01 5813 – Temporary Project Signage
- 01 6000 - Product Requirements
- 01 7000 - Execution and Closeout Requirements
- 01 7700 – Close-Out Procedures
- 01 7800 – Closeout Submittals
- 01 7900 - Demonstration and Training

**DIVISION 02 -- EXISTING CONDITIONS**

- 02 4100 - Demolition

**DIVISION 03 -- CONCRETE**

- 03 3000 – Cast-In-Place
- 03 3511 - Concrete Floor Finishes
- 03 3543.13 – Polished and Dyed Concrete Finishing
- 03 4500 – Architectural Precast Concrete

**DIVISION 04 -- MASONRY**

- 04 2000 - Unit Masonry
- 04 2001 - Masonry Veneer

**DIVISION 05 -- METALS**

- 05 4000 - Cold-Formed Metal Framing
- 05 5000 - Metal Fabrications
- 05 5213 - Pipe and Tube Railings

**DIVISION 06 -- WOOD, PLASTICS, AND COMPOSITES**

- 06 1000 - Rough Carpentry
- 06 4100 - Architectural Wood Casework

**DIVISION 07 -- THERMAL AND MOISTURE PROTECTION**

- 07 0553 - Fire and Smoke Assembly Identification
- 07 1400 – Fluid Applied Waterproofing
- 07 2100 – Thermal Insulation

- 07 2500 – Weather Barriers
- 07 4646 - Fiber-Cement Siding
- 07 6200 – Sheet Metal Flashing and Trim
- 07 8400 - Firestopping
- 07 9200 – Joint Sealants

**DIVISION 08 -- OPENINGS**

- 08 1113 - Hollow Metal Doors and Frames
- 08 1416 - Flush Wood Doors
- 08 3100 - Access Doors and Panels
- 08 4113.16 – Hurricane Resistant Aluminum-Framed Entrances and Storefronts
- 08 4313 – Aluminum Framed Storefronts
- 08 7100 – Door Hardware
- 08 8000 - Glazing
- 08 8300 - Mirrors

**DIVISION 09 -- FINISHES**

- 09 2116 - Gypsum Board Assemblies
- 09 3000 - Tiling
- 09 5100 - Acoustical Ceilings
- 09 6500 - Resilient Flooring
- 09 6566.13 - Resilient Athletic Flooring
- 09 6700 - Fluid-Applied Flooring
- 09 6813 - Tile Carpeting
- 09 8430 – Sound-Absorbing Wall and Ceiling Units
- 09 9113 - Exterior Painting
- 09 9123 - Interior Painting
- 09 9600 - High-Performance Coatings

**DIVISION 10 -- SPECIALTIES**

- 10 1400 - Signage
- 10 2113.19 - Plastic Toilet Compartments
- 10 2233 - Accordion Folding Partitions
- 10 2601 - Wall and Corner Guards
- 10 2800 – Toilet, Bath and Laundry Accessories
- 10 4313 – Defibrillator Cabinets
- 10 4316 – First Aid Cabinets
- 10 4400 - Fire Protection Specialties
- 10 5126 – Plastic Lockers
- 10 5623 – Wire Storage Shelving
- 10 7113.13 – Exterior Shutters
- 10 7316 - Canopies

**DIVISION 11 -- EQUIPMENT**

**DIVISION 12 -- FURNISHINGS**

12 2400 – Window Shades

12 3600 - Countertops

**DIVISION 13 -- SPECIAL CONSTRUCTION**

13 2400 – Special Activity Rooms (Saunas)

13 3419 - Metal Building Systems

**DIVISION 14 -- CONVEYING EQUIPMENT**

**DIVISION 21 -- FIRE SUPPRESSION**

21 1313 – Fire Sprinkler

**DIVISION 22 -- PLUMBING**

22 0100 – Plumbing Insulation

22 0500 – Common Work Results for Plumbing

22 1000 – Plumbing Piping and Pumps

22 4000 – Plumbing Fixtures

**DIVISION 23 -- HEATING, VENTILATING, AND AIR-CONDITIONING (HVAC)**

23 0500 – Common Work Results for HVAC

23 0593 – Testing Adjusting and Balancing

23 0700 – HVAC Insulation

23 2000 – HVAC Piping and Pumps

23 3000 – HVAC Air Distribution

23 6313 – Air-Cooled Refrigerant Condensers

**DIVISION 25 -- INTEGRATED AUTOMATION**

**DIVISION 26 – ELECTRICAL**

26 0519 – Low-Voltage Electrical Power

26 0526 – Grounding and Bonding for Electrical Systems

26 0529 – Hangers and Supports for Electrical Systems

26 0533 – Raceway and Boxes for Electrical Systems

26 0923 – Lighting Control Devices

26 2726 – Wiring Devices

26 2819 – Enclosed Switches

26 3613 – Enclosed Transfer Switches

26 5100 – Interior Lighting

**DIVISION 27 -- COMMUNICATIONS**

**DIVISION 28 -- ELECTRONIC SAFETY AND SECURITY**

28 3100 – Fire Alarm

**DIVISION 31 -- EARTHWORK**

31 3116 - Termite Control

**DIVISION 32 -- EXTERIOR IMPROVEMENTS**

32 3113 – Chain Link Fences and Gates

**DIVISION 33 -- UTILITIES**

**DIVISION 46 -- WATER AND WASTEWATER EQUIPMENT**

**END OF SECTION**



## **SECTION 00 2113 INSTRUCTIONS TO BIDDERS (As Modified)**

### **1.0 INTRODUCTION**

All bidders will be bound to the bid documents and requirements set forth in these general instructions and such instructions shall form an integral part of each construction contract awarded by the Orange Beach City Council. All bids must be submitted on documents provided in Project Manual and in accord with Advertisement for Bids and Division 00 of the Project Manual.

### **2.0 BID DOCUMENTS**

A complete set of Bid Documents will be provided in accord with Advertisement for Bids.

The date, time, and place of a bid opening will be given in the Advertisement for Bids. Bid Documents can also be reviewed at Davis Architects, Birmingham Alabama, McCollough Architecture in Orange Beach and online at F.W. Dodge Plan Rooms, Construction Market Data Plan Room and obtained from Alabama Graphic Digital Plan Room. Cost of printing plans and specifications are non-refundable. Documents may also be examined at:

Orange Beach City Hall  
4099 Orange Beach Boulevard  
Orange Beach, AL 36561

Or downloaded from the City's website:  
[www.orangebeachal.gov](http://www.orangebeachal.gov), see "Bids"

### **3.0 EXAMINATION OF DOCUMENTS AND PROJECT SITE**

- 3.1 Carefully examine the Bid Documents and the Work Site.
- 3.2 Bids shall include all costs required to execute the work under the existing or anticipated conditions.
- 3.3 Extra payments will not be made for conditions which can be determined by examining the documents and the site.

### **4.0 INTERPRETATIONS AND ADDENDA**

- 4.1 Should a bidder find discrepancies, ambiguities, or omissions in the Specifications, or should he/she be in doubt as to their meaning, he/she shall immediately notify the Architect.
- 4.2 The Architect will issue Addenda to clarify discrepancies, ambiguities, or omissions in the Specifications.
- 4.3 Addenda will be issued to all General Contract Bidders, and posted on the City's website at: [www.orangebeachal.gov](http://www.orangebeachal.gov)

City of  
**Orange Beach**  
A L A B A M A  
*Life is better here*

- 4.4 Addenda shall become part of the bid and all bidders must acknowledge receipt of Addenda on their Bid Form or their bid will be rejected. Bidders shall be bound by all Addenda.
- 4.5 All instructions shall be in written form. Oral instructions shall be considered invalid.

**5.0 PRE-BID CONFERENCE**

- 5.1 A Pre-Bid Conference will be held at the City of Orange Beach in Council Chambers located at Orange Beach City Hall, 4099 Orange Beach Blvd, Orange Beach, AL 36561 at 11:00 A.M. Thursday, March 12, 2020. Attendance by General Contractor Bidders at Pre-Bid Conference is mandatory. Non-attendance will be grounds for rejection of Bid.

**6.0 PREPARATION OF BID**

- 6.1 The bid must be submitted on the Bid Form furnished. All information required by the Bid Documents must be given to constitute a complete bid.
- 6.2 The Bidder must print, in figures, without interlineations, alterations, or erasures, a Unit Price. The Bidder shall then print the total sum on the line designated as "Bid Total." The City will check the total sum printed by the Bidder, and, in case of error or discrepancy, the unit price shall prevail and the total shall be corrected.
- 6.3 Prices and all information must be legible. Illegible or vague bids may be rejected.
- 6.4 All signatures must be written. Facsimile, printed, or typewritten signatures are not acceptable.
- 6.5 **Bid will not be considered complete without Document 00 4301 – Bid Form Supplements Cover Sheet and listed attachments.**
- 6.6 Under penalty of perjury, the Bidder certifies by signature on the Bid Form that:
- The bid has been arrived at by the Bidder independently and has been submitted without collusion with any other vendor of materials, supplies, equipment, or services for the type described in the Invitation to Bid; and
  - The contents of the bid have not been communicated by the Bidder; nor to his/her best knowledge and belief by any of his/her employees or agents to any person not an employee or agent of the Bidder or its surety on any bond furnished herewith prior to the official opening of the bid.

**7.0 DELIVERY AND SUBMISSION OF BID**

- 7.1 Each bid shall be placed, together with the Bid Bond, and other required documents if applicable, in a sealed envelope. Bid envelopes must be clearly marked "SEALED BID," the Bidder's name, the title of the bid, and the opening date and time.
- 7.2 All bids received after the time stated in the Invitation to Bid will not be considered and will be returned unopened to the Bidder. The Bidder assumes risk of delay in the mail. Whether sent by mail or by means of personal delivery, the bidder assumes responsibility for having bids deposited on time at the place specified.



7.3 The submission of a bid will be construed to mean that the Bidder is fully informed as to the extent and character of the supplies, materials, or equipment required, and as a representation that the bidder can furnish the supplies, materials, or equipment satisfactorily in complete compliance with the specifications.

## **8.0 MODIFICATIONS AND WITHDRAWALS OF BIDS**

8.1 No alteration, erasure, or addition is to be made in the typewritten or printed matter.

8.2 Bids may not be modified after submittal.

8.3 Bidder may withdraw his/her bid, either personally or by written request, at any time prior to the scheduled bid opening time.

8.4 No bidder may withdraw his/her bid for a period of thirty (30) days after the bid opening.

## **9.0 RIGHT TO REJECT BID**

Bids may be rejected if they contain any omissions, alterations of form, additions not called for, conditional bids, alternate bids unless requested by the City, incomplete bids, erasures, or irregularities of any kind. Bids in which the Unit or Lump Sum prices are obviously unbalanced may be rejected. The City reserves the right to reject any and all bids for any reason and to waive any informality or irregularity in the bids received.

## **10.0 BASIS OF AWARD**

10.1 The City will award a single contract, dependent on the availability of funds.

10.2 The contract will be awarded to the lowest responsive qualified contractor, subject to the City's right to reject any or all bids and to waive informality and irregularity in bids and bidding.

10.3 The City shall have the right to accept alternates in any order or combination, unless otherwise specifically provided in the bid documents, and to determine the low bidder on the basis of the sum of the base bid and alternates accepted.

## **11.0 PRE-QUALIFICATION OF CONTRACTORS**

Each Bidder shall present evidence of its experience, qualifications, and financial ability to carry out the terms of the Contract. The City reserves the right to disqualify any bidder who, in the sole judgement of the City, fails to adequately demonstrate qualifications and experience sufficient to enable that bidder to successfully complete the scope of work under this Contract.





## **12.0 EXECUTION OF CONTRACT**

12.1 Within ten (10) days of Notice of Award, the Contractor shall deliver to the City proof of insurance as required by Contract Documents. All proof of insurance shall be approved by the City before the Contractor may proceed with Work.

12.2 The Contractor shall commence work within ten (10) days following receipt of the Notice to Proceed or on a date stipulated in the authorization to proceed.

## **13.0 LAWS AND REGULATIONS**

The Contractor's attention is directed to the fact that all applicable State laws, Municipal Ordinances, and the Rules and Regulations of all authorities having jurisdiction over construction of the project shall apply to the Contract throughout, and they will be deemed to be included in the Contract the same as though herein written out in full.

## **14.0 ALABAMA LICENSE CONTRACTOR**

All Contractors submitting bids in excess of Fifty Thousand Dollars (\$50,000.00) must be licensed contractors in the State of Alabama and must state their License Number on their Bid Form. Contracts less than Fifty Thousand Dollars (\$50,000.00) will not require a General Contractor's License; however, all other requirements shall remain the same.

## **15.0 BUSINESS LICENSE**

The successful bidder will be required to obtain a City of Orange Beach Business License in order to operate within the Corporate Limits.

## **16.0 BID BOND**

All bids in excess of Fifty Thousand Dollars (\$50,000.00) shall require a bid bond equal to 5% of the contract amount or \$10,000, whichever is lesser. Bid bonds will be returned by the City after the contract has been awarded.

## **17.0 PERFORMANCE BOND**

If the winning bid is in excess of Fifty Thousand Dollars (\$50,000.00), the Contractor shall obtain a performance bond equal to 100% of the contract amount and shall provide such bond within ten (10) days of Notice of Award.

## **18.0 LABOR & MATERIALS BOND**

If the winning bid is in excess of Fifty Thousand Dollars (\$50,000.00), the Contractor shall obtain a Labor & Materials Payment Bond equal to but not less than 50% of the contract amount and shall provide such bond within ten (10) days of Notice of Award. The bond shall include payment of reasonable attorney's fees incurred by successful claimants in civil actions.



**19.0 INSURANCE REQUIREMENTS**

Refer to Section 00 7200 – General Conditions as modified by Section 00 7300 – Supplementary General Conditions.

**20.0 COMPLETION DATE**

20.1 See Section 01 1000 – Summary, Paragraph 1.02 B.

20.2 The completion date shall not be extended except for unavoidable delays caused by, but not limited to, fires, floods, storms, strikes, accidents, or other circumstances beyond the Contractor’s control. The Contractor may request additional completion time within one week from the occurrence of the delay. The City shall be the sole judge of such “unavoidable delays,” and the extent thereof. In the event that such a determination is made, the date of completion shall be extended by a length of time equal to that lost by such circumstances. The City shall not be liable to the Contractor for any damages or additional compensation as a consequence of any delay, hindrance, interference, or other similar event beyond the City’s control. Failure by the Contractor to notify the City within one week from the occurrence of delay will constitute a forfeiture of any potential time extension.

**21.0 LIQUIDATED DAMAGES**

21.1 See Paragraph 9.11 of Section 00 7200 - General Conditions of the Contract for Construction as modified by Section 00 7300 – Supplemental Conditions.

SECTION 00 4100  
BID FORM

TO: The City of Orange Beach, Orange Beach, Alabama, hereinafter called the Owner

Date: \_\_\_\_\_

In compliance with the Invitation to Bid and subject to all the conditions thereof, the undersigned

\_\_\_\_\_  
*(Legal Name of Bidder)*

hereby proposes to furnish all labor and materials and perform all work required for the construction of  
WORK: ORANGE BEACH RECREATIONAL COMPLEX NEW ADULT FITNESS CENTER

\_\_\_\_\_ in accordance with Drawings and Specifications, dated \_\_\_\_\_, prepared by  
Davis Architects, Inc., Architect/Engineer.

The Bidder, which is organized and existing under the laws of the State of \_\_\_\_\_,  
having its principal offices in the City of \_\_\_\_\_,  
is: a Corporation a Partnership an individual (other) \_\_\_\_\_.

LISTING OF PARTNERS OR OFFICERS: If Bidder is a Partnership, list all partners and their addresses; if  
Bidder is a Corporation, list the names, titles, and business addresses of its officers:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

BIDDER'S REPRESENTATION: The Bidder declares that it has examined the site of the Work, having  
become fully informed regarding all pertinent conditions, and that it has examined the Drawings and  
Specifications (including all Addenda received) for the Work and the other Bid and Contract Documents  
relative thereto, and that it has satisfied itself relative to the Work to be performed.

ADDENDA: The Bidder acknowledges receipt of Addenda Nos. \_\_\_\_\_ through \_\_\_\_\_ inclusively.

BASE BID: For construction complete as shown and specified, the sum of \_\_\_\_\_  
Dollars (\$ \_\_\_\_\_)

- Attach Section 004102 – Bid Proposal Form Attachment “A” to this Bid Proposal Form.
- Attach Completed AIA – A305, “Contractors Qualification Statement.”

ALTERNATES: If alternates as set forth in the Bid Documents are accepted, the following adjustments are to  
be made to the Base Bid: Alternates are further described in Section 01 2300.

ALTERNATE No. 1: Provide additive alternate for Acoustical Panels:

\$ \_\_\_\_\_.

ALTERNATE No. 2: Provide additive alternate for Plastic Wall Protection Panels:

\$ \_\_\_\_\_.

ALLOWANCE: Include allowances in Base Bid in accord with Section 01 2100 - Allowances

UNIT PRICE: Provide unit prices in accord with Section 01 2200 – Unit Price

Unit Price No. 1: Removal and Replacement of Unsuitable Soils per cubic yard:

\$ \_\_\_\_\_.

BID SECURITY: The undersigned agrees to enter into a Construction Contract and furnish the prescribed Performance and Payment Bonds Alternates and evidence of insurance within fifteen calendar days, or such other period stated in the Bid Documents, after the contract forms have been presented for signature, provided such presentation is made within 30 calendar days after the opening of bids, or such other period stated in the Bid Documents. As security for this condition, the undersigned further agrees that the funds represented by the Bid Bond (or cashier's check) attached hereto may be called and paid into the account of the Awarding Authority as liquidated damages for failure to so comply.

Attached hereto is a: (Mark the appropriate blank and provide the applicable information.)

\_\_\_\_\_ Bid Bond, executed by \_\_\_\_\_ as Surety,

\_\_\_\_\_ a cashier's check on the \_\_\_\_\_ Bank of \_\_\_\_\_,  
for the sum of \_\_\_\_\_ Dollars  
(\$ \_\_\_\_\_) made payable to the Owner.

**Also attached hereto is Document 00 4301 – Bid Form Supplements Cover Sheet and listed attachments.**

BIDDER'S ALABAMA LICENSE:

State License for General Contracting: \_\_\_\_\_  
License Number      Bid Limit      Type(s) of Work

CERTIFICATIONS: The undersigned certifies that he or she is authorized to execute contracts on behalf of the Bidder as legally named, that this proposal is submitted in good faith without fraud or collusion with any other bidder, that the information indicated in this document is true and complete, and that the bid is made in full accord with State law. Notice of acceptance may be sent to the undersigned at the address set forth below.

The Bidder also declares that a list of all proposed major subcontractors and suppliers will be submitted at a time subsequent to the receipt of bids as established by the Architect in the Bid Documents but in no event shall this time exceed twenty-four (24) hours after receipt of bids.

Legal Name of Bidder \_\_\_\_\_

Mailing Address \_\_\_\_\_

\* By (Legal Signature) \_\_\_\_\_

\* Name (type or print) \_\_\_\_\_ (Seal)

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

Telephone Number \_\_\_\_\_

\* If other than the individual proprietor, or an above-named member of the Partnership, or the above named president, vice-president, or secretary of the Corporation, attach written authority to bind the Bidder. Any modification to a bid shall be over the initials of the person signing the bid, or of an authorized representative.

- END OF PROPOSAL FORM -

**SECTION 00 4301  
BID FORM SUPPLEMENTS COVER SHEET**

**PARTICULARS**

**TO (OWNER) : CITY OF ORANGE BEACH, ALABAMA**

**ARCHITECT'S PROJECT NUMBER: DAI 3891.02**

**PROJECT: ORANGE BEACH RECREATION COMPLEX NEW ADULT FITNESS CENTER.**

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

**SUBMITTED BY: (BIDDER TO INSERT FULL NAME AND ADDRESS)**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

In accordance with Section 00 2113 - Instructions to Bidders and Section 00 4100 - Bid Form - , we include the Supplements To Bid Form listed below. The information provided shall be considered an integral part of the Bid Form.

**SUPPLEMENTS TO BID FORM**

004102-Attachment A to Bid Form Sales Tax.

004310-Statement of Compliance with Act 2016-312.

00 4310.10-Affidavit of Contractor - Act 211-535.

004313-Bid Bond.

00 4513 - Contractor's Qualification Statement AIA Form A-305 - 86.

00 4519.12 - Disclosure Statement - Act 2001 - 955

**SIGNATURE(S)**

**THE CORPORATE SEAL OF**

\_\_\_\_\_

(Bidder please print the full name of your Proprietorship, Partnership, or Corporation)

**WAS HEREUNTO AFFIXED IN THE PRESENCE OF:**

\_\_\_\_\_

(Authorized signing officer                      Title)

**(SEAL)**

\_\_\_\_\_

(Authorized signing officer                      Title)

**(SEAL)**

**END OF SECTION**

**SECTION 00 4513**

**CONTRACTOR QUALIFICATION STATEMENT**

**CONTRACTOR QUALIFICATION STATEMENT: AIA DOCUMENT A305 1986 CONTRACTOR QUALIFICATION STATEMENT, IS BOUND INTO THIS PROJECT MANUAL FOLLOWING THIS PAGE.**

**END OF SECTION**





# AIA<sup>®</sup> Document A305<sup>™</sup> – 1986

## Contractor's Qualification Statement

The Undersigned certifies under oath that the information provided herein is true and sufficiently complete so as not to be misleading.

**SUBMITTED TO:**

**ADDRESS:**

**SUBMITTED BY:**

**NAME:**

**ADDRESS:**

**PRINCIPAL OFFICE:**

- Corporation
- Partnership
- Individual
- Joint Venture
- Other

**NAME OF PROJECT** (if applicable):

**TYPE OF WORK** (file separate form for each Classification of Work):

- General Construction
- HVAC
- Electrical
- Plumbing
- Other (please specify)

**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.

This form is approved and recommended by the American Institute of Architects (AIA) and The Associated General Contractors of America (AGC) for use in evaluating the qualifications of contractors. No endorsement of the submitting party or verification of the information is made by AIA or AGC.



**§ 1. ORGANIZATION**

**§ 1.1** How many years has your organization been in business as a Contractor?

**§ 1.2** How many years has your organization been in business under its present business name?

**§ 1.2.1** Under what other or former names has your organization operated?

**§ 1.3** If your organization is a corporation, answer the following:

**§ 1.3.1** Date of incorporation:

**§ 1.3.2** State of incorporation:

**§ 1.3.3** President's name:

**§ 1.3.4** Vice-president's name(s)

**§ 1.3.5** Secretary's name:

**§ 1.3.6** Treasurer's name:

**§ 1.4** If your organization is a partnership, answer the following:

**§ 1.4.1** Date of organization:

**§ 1.4.2** Type of partnership (if applicable):

**§ 1.4.3** Name(s) of general partner(s)

**§ 1.5** If your organization is individually owned, answer the following:

**§ 1.5.1** Date of organization:

§ 1.5.2 Name of owner:

§ 1.6 If the form of your organization is other than those listed above, describe it and name the principals:

## § 2. LICENSING

§ 2.1 List jurisdictions and trade categories in which your organization is legally qualified to do business, and indicate registration or license numbers, if applicable.

§ 2.2 List jurisdictions in which your organization's partnership or trade name is filed.

## § 3. EXPERIENCE

§ 3.1 List the categories of work that your organization normally performs with its own forces.

§ 3.2 Claims and Suits. (If the answer to any of the questions below is yes, please attach details.)

§ 3.2.1 Has your organization ever failed to complete any work awarded to it?

§ 3.2.2 Are there any judgments, claims, arbitration proceedings or suits pending or outstanding against your organization or its officers?

**§ 3.2.3** Has your organization filed any law suits or requested arbitration with regard to construction contracts within the last five years?

**§ 3.3** Within the last five years, has any officer or principal of your organization ever been an officer or principal of another organization when it failed to complete a construction contract? (If the answer is yes, please attach details.)

**§ 3.4** On a separate sheet, list major construction projects your organization has in progress, giving the name of project, owner, architect, contract amount, percent complete and scheduled completion date.

**§ 3.4.1** State total worth of work in progress and under contract:

**§ 3.5** On a separate sheet, list the major projects your organization has completed in the past five years, giving the name of project, owner, architect, contract amount, date of completion and percentage of the cost of the work performed with your own forces.

**§ 3.5.1** State average annual amount of construction work performed during the past five years:

**§ 3.6** On a separate sheet, list the construction experience and present commitments of the key individuals of your organization.

## § 4. REFERENCES

### § 4.1 Trade References:

### § 4.2 Bank References:

### § 4.3 Surety:

#### § 4.3.1 Name of bonding company:

#### § 4.3.2 Name and address of agent:

## § 5. FINANCING

### § 5.1 Financial Statement.

§ 5.1.1 Attach a financial statement, preferably audited, including your organization's latest balance sheet and income statement showing the following items:

Current Assets (e.g., cash, joint venture accounts, accounts receivable, notes receivable, accrued income, deposits, materials inventory and prepaid expenses);

Net Fixed Assets;

Other Assets;

Current Liabilities (e.g., accounts payable, notes payable, accrued expenses, provision for income taxes, advances, accrued salaries and accrued payroll taxes);

Other Liabilities (e.g., capital, capital stock, authorized and outstanding shares par values, earned surplus and retained earnings).

#### § 5.1.2 Name and address of firm preparing attached financial statement, and date thereof:

§ 5.1.3 Is the attached financial statement for the identical organization named on page one?

§ 5.1.4 If not, explain the relationship and financial responsibility of the organization whose financial statement is provided (e.g., parent-subsiary).

§ 5.2 Will the organization whose financial statement is attached act as guarantor of the contract for construction?

§ 6. SIGNATURE

§ 6.1 Dated at this \_\_\_\_\_ day of \_\_\_\_\_

Name of Organization:

By:

Title:

§ 6.2

\_\_\_\_\_ being duly sworn deposes and says that the information provided herein is true and sufficiently complete so as not to be misleading.

Subscribed and sworn before me this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_

Notary Public:

My Commission Expires:

# **Additions and Deletions Report for AIA<sup>®</sup> Document A305<sup>™</sup> – 1986**

This Additions and Deletions Report, as defined on page 1 of the associated document, reproduces below all text the author has added to the standard form AIA document in order to complete it, as well as any text the author may have added to or deleted from the original AIA text. Added text is shown underlined. Deleted text is indicated with a horizontal line through the original AIA text.

Note: This Additions and Deletions Report is provided for information purposes only and is not incorporated into or constitute any part of the associated AIA document. This Additions and Deletions Report and its associated document were generated simultaneously by AIA software at 13:28:18 on 03/22/2006.

## **PAGE 6**

~~M~~—being duly sworn deposes and says that the information provided herein is true and sufficiently complete so as not to be misleading.

...

Subscribed and sworn before me this                      day of                      20-20

## **Certification of Document's Authenticity**

**AIA® Document D401™ – 2003**

I, Charles V. Bucci, hereby certify, to the best of my knowledge, information and belief, that I created the attached final document simultaneously with its associated Additions and Deletions Report and this certification at 13:28:18 on 03/22/2006 under Order No. 1000201877\_1 from AIA Contract Documents software and that in preparing the attached final document I made no changes to the original text of AIA® Document A305™ – 1986 - Contractor's Qualification Statement, as published by the AIA in its software, other than those additions and deletions shown in the associated Additions and Deletions Report.

---

*(Signed)*

---

*(Title)*

---

*(Dated)*

**SECTION 00 5000**  
**CONTRACTING FORMS AND SUPPLEMENTS**

**PART 1 GENERAL**

**1.01 CONTRACTOR IS RESPONSIBLE FOR OBTAINING A VALID LICENSE TO USE ALL COPYRIGHTED DOCUMENTS SPECIFIED UNLESS LEGAL COPIES ARE INCLUDED IN THE PROJECT MANUAL.**

- A. AIA documents may be obtained individually at the following web site:  
<https://documentsondemand.aia.org>.
- B. AIA document bulk licensing may be obtained at the following web site:  
<http://www.aia.org/contractdocs/forcontractors/index.htm>.

**1.02 AGREEMENT AND CONDITIONS OF THE CONTRACT**

- A. See Section 00 5200 - Agreement Form for the Agreement form to be executed.
- B. See Section 00 7200 - General Conditions for the General Conditions.
- C. See Section 00 7300 - Supplementary Conditions for the Supplementary Conditions.
- D. The Agreement is based on AIA A101.
- E. The Agreement is based on AIA A132.
- F. The General Conditions are based on AIA A201.

**1.03 FORMS**

- A. Use the following forms for the specified purposes unless otherwise indicated elsewhere in Contract Documents.
- B. Bond Forms:
  - 1. Performance Bond Form: Section 00 6113.13 - City of Orange Beach Performance Bond Form.
  - 2. Payment Bond Form: Section 00 6113.16 - City of Orange Beach Labor and Materials Bond Form.
- C. Post-Award Certificates and Other Forms:
  - 1. Submittal Transmittal Letter Form: AIA G810.
  - 2. Certificate of Insurance Form: Acord 25S with Supplemental Attachment AIA G715. In addition, comply with requirements contained in General and Supplementary Conditions of the Contract.
  - 3. Schedule of Values Form: AIA G703.
  - 4. Application for Payment Forms: AIA G702 with AIA G703 (for Contractors).
  - 5. Consent of Surety to Reduction of Retainage Form: AIA G707A.
  - 6. Health and Safety Requirements: Section 00 7310 - Health and Safety Requirements.
  - 7. Hazard Analysis Form: Section 00 7311 - Activity Hazard Analysis Form.
- D. Clarification and Modification Forms:
  - 1. Request for Interpretation Form: AIA G716.
  - 2. Substitution Request Form: CSI/CSC Form 1.5C (During the Bidding/Negotiating Stage).
  - 3. Substitution Request Form: CSI/CSC Form 13.1A (After the Bidding/Negotiating Stage).
  - 4. Architect's Supplemental Instructions Form: AIA G710.
  - 5. Construction Change Directive Form: AIA G714.
  - 6. Change Order Form: AIA G701.
- E. Closeout Forms:
  - 1. Certificate of Substantial Completion Form: AIA G704.
  - 2. Affidavit of Payment of Debts and Claims Form: AIA G706.
  - 3. Affidavit of Release of Liens Form: Section 00 7200.13 - City of Orange Beach Waiver and Release of Lien.
  - 4. Consent of Surety to Final Payment Form: AIA G707.



**1.04 REFERENCE STANDARDS**

- A. AIA A101 - Standard Form of Agreement Between Owner and Contractor where the basis of Payment is a Stipulated Sum; 2007.
- B. AIA A132 - Standard Form of Agreement Between Owner and Contractor, Construction Manager as Adviser Edition; 2009.
- C. AIA A201 - General Conditions of the Contract for Construction; 2007.
- D. AIA G701 - Change Order; 2001.
- E. AIA G701C Ma - Change Order, Construction Manager-Adviser Edition; 1992.
- F. AIA G702 - Application and Certificate for Payment; 1992.
- G. AIA G702C Ma - Application and Certificate for Payment, Construction Manager-Adviser Edition; 1992.
- H. AIA G703 - Continuation Sheet; 1992.
- I. AIA G704 - Certificate of Substantial Completion; 2000.
- J. AIA G710 - Architect's Supplemental Instructions; 1992.
- K. AIA G714 - Construction Change Directive; 2007.
- L. AIA G732 - Application and Certificate for Payment, Construction Manager as Adviser Edition; 2009.
- M. AIA G810 - Transmittal Letter; 2001.
- N. CSI/CSC Form 1.5C - Substitution Request (During the Bidding/Negotiating Stage); Current Edition.
- O. CSI/CSC Form 13.1A - Substitution Request (After the Bidding/Negotiating Phase); Current Edition.

**PART 2 PRODUCTS - NOT USED**

**PART 3 EXECUTION - NOT USED**

**END OF SECTION**

**SECTION 00 7300**  
**SUPPLEMENTARY CONDITIONS**

**PART 1 GENERAL**

**1.01 SUMMARY**

- A. These Supplementary Conditions amend and supplement the General Conditions defined in Document 00 7200 - General Conditions and other provisions of Contract Documents as indicated below. Provisions that are not so amended or supplemented remain in full force and effect.
- B. The terms used in these Supplementary Conditions that are defined in the General Conditions have the meanings assigned to them in the General Conditions.

**1.02 RELATED SECTIONS**

- A. Section 00 5000 - Contracting Forms and Supplements.

**1.03 REFERENCE STANDARDS**

**1.04 MODIFICATIONS TO GENERAL CONDITIONS**

A. ARTICLE 1.1 - BASIC DEFINITIONS

After Section 1.1.8, add the following definitions:

1.1.9 Miscellaneous Definitions:

- .1 The term "product" includes materials, systems, and equipment.
- .2 The term "furnish" means to supply and deliver to project site.
- .3 The term "install" means to place in position for service or use.
- .4 The term "provide" includes furnishing and installing a product, complete in place, tested and approved.
- .5 The term "building code" and the term "code" refer to regulations of governmental agencies having jurisdiction.
- .6 The terms "approved", "required", and "as directed" refer to and indicate the work or materials that may be approved, required, or directed by the Architect acting as the agent of the Owner.
- .7 The term "similar" means in its general sense and not necessarily identical.
- .8 The terms "shown", "indicated", "detailed", "noted", "scheduled", and terms of similar import, refer to requirements contained in the Contract Documents.
- .9 Project Manual: The Project Manual is the volume, usually assembled for the Work which includes the Bid Documents, Contract Documents and Specifications.

B. Add the following §1.2.1.2 as follows:

1.2.1.2 Discrepancies Between Contract Documents: Contract Documents shall be interpreted collectively; each part complimenting the other parts. Items occurring on one contract document shall be provided at Contractor's expense, complete and ready for service or further construction unless specifically indicated as Not In Contract (NIC) or By Owner, consistent with the reasonably inferable intent of the Contract Documents as a whole.

In the case of inconsistency between Drawings and Specifications or within either document not clarified by addendum, the better quality or greater quantity of Work shall be provided in accordance with the Architect's interpretation.

C. Add the following to §2.3.6 to read as follows: The date, time, and place of a bid opening will be given in the Invitation to bidders. Copies of the complete set of Bid Documents may be inspected and/or obtained as indicated in the Advertisement to Bid:

Orange Beach City Hall  
4099 Orange Beach Boulevard  
Orange Beach, AL 36561  
Or downloaded from the City's website: [www.orangebeachal.gov](http://www.orangebeachal.gov).

- D. Add §3.2.5: The Owner is entitled to reimbursement from the Contractor for amounts paid to the Architect for evaluating and responding to the Contractor's requests for information that are not prepared in accordance with the Contract Documents or where the requested information is available to the Contractor from a careful study and comparison of the Contract Documents, field conditions, other Owner-provided information, Contractor- prepared coordination drawings, or prior Project correspondence or documentation.
- E. Add §3.4.2.1: After the Contract has been executed, the Owner, and Architect will consider requests for the substitution of products in place of those specified only under the conditions set forth in the General Requirements (Division 1 of the Specifications). By making requests for substitutions, the Contractor:
  - 1. represents that it has personally investigated the proposed substitute product and determined that it is equal or superior in all respects to that specified;
  - 2. represents that it will provide the same warranty for the substitution as it would have provided for the product specified;
  - 3. certifies that the cost data presented is complete and includes all related costs for the substituted product and for Work that must be changed as a result of the substitution, except for the Architect's redesign costs, and waives all claims for additional costs related to the substitution that subsequently become apparent; and shall coordinate the installation of the accepted substitute, making such changes as may be required for the Work to be complete in all respects.
- F. Add §3.4.2.2 The Owner shall be entitled to reimbursement from the Contractor for amounts paid to the Architect for reviewing the Contractor's proposed substitutions and making agreed-upon changes in the Drawings and Specifications resulting from such substitutions.
- G. Add §3.4.4 All manufactured articles, materials and equipment must be supplied, installed, connected, erected, used, cleansed and conditioned in accordance with the manufacturer's specifications, directions and appropriate industry standards unless otherwise specified.
- H. Add §3.4.5 The Contractor shall comply with all applicable State and Federal statutes regarding minimum wages to be paid. The Contract sum will not be increased because of subsequent increases in wage rates.
- I. Replace §3.6 in its entirety with the following: Materials purchased for incorporation into the facility shall be exempt from taxes in accordance with Alabama Department of Revenue Rule 810-6-3-.69.02. The contractor shall not include the cost of sales tax on such materials in their bid price or contract amount. See Section 01 2976.13 for specific requirements and procedures.
- J. Modify §3.7.4: replace "14 days after first observance of conditions" with "seven (7) days after first observance of conditions".
- K. Add §4.2.3.1 The Owner is entitled to reimbursement from the Contractor for amounts paid to the Architect for site visits made necessary by the fault of the Contractor or by defects and deficiencies in the Work.
- L. Delete Section 4.2.4 and substitute the following: § 4.2.4 The Owner and Contractor shall communicate with each other through the Architect about matters arising out of or 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.
- M. Add §5.2.5 Not later than (20) days after the date of commencement of the Work, the Contractor shall furnish in writing to the Owner, through the Architect, the names of persons or entities proposed as manufacturers or fabricators for certain products, equipment and systems identified in the General Requirements (Division 01 of the Specifications) and, where applicable, the name of the installing Subcontractor(s).

- N. Add §7.1.4 The combined overhead and profit included in the total cost to the Owner for a change in the Work shall be based on the following schedule:
1. For the Contractor, for Work performed by the Contractor's own forces 20% of the cost of the work.
  2. For the Contractor, for work performed by the Contractor's Subcontractors, 10% of the cost of the Work.
  3. For each Subcontractor involved, for Work performed by that Subcontractor's own forces, 10% of the cost of the Work
  4. For each subcontractor involved for Work performed by the Subcontractor's subcontractors, 10% of the cost of the Work.
  5. Cost to which overhead and profit is to be applied shall be determined in accordance with Section 7.3.7
  6. In order to facilitate checking of quotations for extras or credits, all proposals, except those so minor that their propriety can be seen by inspection, shall be accompanied by a complete itemization of costs including labor, materials and subcontracts. Labor and materials shall be itemized in the manner prescribed above. Where major cost items are subcontracts, they shall be itemized also. In no case will a change involving over \$5,000.00 be approved without such itemization.
- O. Add §8.4 CONSTRUCTION DURATION.
1. 8.4.1 The Contractor shall achieve substantial completion of Work, or portion of the Work, per the Time Allotted for Completion included in Paragraph 1.02 B of Section 01 1000 - Summary.
  2. The completion date shall not be extended except for unavoidable delays caused by, but not limited to, fires, floods, storms, strikes, accidents, or other circumstances beyond the Contractor's control. The Contractor may request additional completion time within one week from the occurrence of the delay. The City shall be the sole judge of such "unavoidable delays," and the extent thereof. In the event that such a determination is made, the date of completion shall be extended by a length of time equal to that lost by such circumstances. The City shall not be liable to the Contractor for any damages or additional compensation as a consequence of any delay, hindrance, interference, or other similar event beyond the City's control. Failure by the Contractor to notify the City within one week from the occurrence of delay will constitute a forfeiture of any potential time extension.
- P. Add §9.3.1.3: Until Substantial Completion, the Owner shall pay 90 percent of the amount due the Contractor on account of progress payments.
- Q. Add §9.3.1.4 Until all work is satisfactorily completed in accordance with this agreement and all closeout requirements have been provided, full payment shall be paid less five percent (5%) of the amount of such pay request which is to be retained by the Owner until all outstanding items have been fully completed.
- R. Add §9.11 Liquidated Damages: The Contractor and the Contractor's surety, if any, shall be liable for and shall pay the Owner the sums hereinafter stipulated as liquidated damages, and not as a penalty, for each calendar day of delay after the date established for Substantial Completion of the Work, or portion of the Work, as defined in the Contract Documents until the Work is substantially complete: Seven hundred fifty dollars (\$750.00).
1. 9.11.1: It is mutually understood and agreed between the contracting parties and contractor's surety that such amount is a reasonable measure of liquidated damages.
- S. § 10.2.4.1 When use or storage of explosives, or other hazardous materials, substances or equipment, or unusual methods, are necessary for execution of the Work, the Contractor shall give the Owner reasonable advance notice.
- T. Add §11.1.1.1 The limits for Worker's Compensation insurance shall meet statutory limits mandated by State and Federal Laws. If (1) limits in excess of those required by statute are to be provided, (2) the employer is not statutorily bound to obtain such insurance coverage, or (3)

additional coverages are required, additional coverages and limits for such insurance shall be as follows:

- U. Add §11.1.1.2 The Contractor shall be responsible to the Owner from the time of the signing of the Construction Contract or from the beginning of the first work, whichever shall be earlier, for all injury or damage of any kind resulting from any negligent act or omission or breach, failure or other default regarding the work by the Contractor, Subcontractor, or anyone directly or indirectly employed by the Contractor or Subcontractor or anyone for whose acts they may be liable, regardless of who may be the owner of the property.
- V. Add §11.1.1.3 Each of the insurance coverage's required shall be issued by an insurer licensed by the Insurance Commissioner to transact the business of insurance in the State of Alabama for the applicable line of insurance, and such insurer (or for qualified selfinsured's or group self-insured's, a specific excess insurer providing statutory limits) must have a Best Policyholders Rating of "A-" or better and a financial size rating of Class V or larger.
- W. Add §11.1.1.4 Each policy shall be endorsed to provide that the insurance company agrees that the policy shall not be canceled, changed, allowed to lapse or allowed to expire for any reason until thirty (30) days after the Owner has received written notice by certified mail as evidenced by return receipt or until such time as other insurance coverage providing protection equal to protection called for in the Contract Documents shall have been received, accepted and acknowledged by the Owner. Such notice shall be valid only as to the Project as shall have been designated by Project Name and Number in said notice.
- X. Add §11.1.1.5 The Contractor shall procure the insurance coverage's identified below, or as otherwise required in the Contract Documents, at the Contractor's own expense, and to evidence that such insurance coverage's are in effect. The Contractor shall furnish all named insureds an insurance certificate(s) acceptable to the Owner and listing the Owner as the certificate holder. The insurance certificate(s) must be delivered to the Owner with the Construction Contract and Bonds for final approval and execution of the Construction Contract. The insurance certificate must provide the following:
  - 1. Name and address of authorized agent of the insurance company
  - 2. Name and address of insured
  - 3. Name of insurance company or companies
  - 4. Description of policies
  - 5. Policy Number(s)
  - 6. Policy Period(s)
  - 7. Limits of liability
  - 8. Name and address of Owner as certificate holder
  - 9. Project Name and Number, if any
  - 10. Signature of authorized agent of the insurance company
  - 11. Telephone number of authorized agent of the insurance company
  - 12. Mandatory thirty (30) day notice of cancellation / non-renewal / change
- Y. The Contractor agrees the insurance requirements herein as well as Owner's review or acknowledgment is not intended to and shall not in any manner limit or qualify the liabilities and obligations assumed by the Contractor under this Contract.
- Z. Add §11.1.1.6 Additional Insureds: All Contractor's insurance policies shall name the Owner and Architect as additional insureds.
- AA. Add §11.1.1.7 Certificate of Insurance.
  - 1. Contractor agrees to provide City a Certificate of Insurance evidencing the above coverages. If the Contractor receives a non-renewal or cancellation or other material change notice from an insurance carrier affording coverage required herein, Contractor agrees to notify the City immediately with specifics as to which coverage is no longer in compliance. The City shall have the right, but not the obligation, of prohibiting Contractor from entering the Work site until a new Certificate of Insurance is provided to the City evidencing the replacement coverage. The Contractor agrees the City reserves the

right to withhold payment to Contractor until evidence of reinstated or replacement coverage is provided to the City. If the Contractor fails to maintain the insurance as set forth herein, the Contractor agrees the City shall have the right, but not the obligation, to purchase replacement insurance, which the Contractor agrees to reimburse any premiums or expenses incurred by the City.

2. The Contractor agrees the Certificate(s) of Insurance shall:
  - a. Clearly indicate the City has been endorsed on the Commercial Umbrella/Excess Liability and Commercial General Liability policy as an Additional Insured.
  - b. Clearly indicate the project name and project number.
  - c. Clearly indicated Certificate Holder(s) as follows and forward originals to:  
City of Orange Beach  
Attn: City Clerk  
P.O. Box 458  
Orange Beach, AL 36561  
Fax (251) 981-1442

AB. Add §11.1.1.8 Insurance Coverages.

AC. 11.1.1.8.1: Worker's Compensation and Employer's Liability Coverage

AD. Workers' Compensation coverage shall be provided in accordance with the statutory coverage required in Alabama. A group insurer must submit a certificate of authority from the Alabama Department of Industrial Relations approving the group insurance plan. A self-insurer must submit a certificate from the Alabama Department of Industrial Relations stating that the Contractor qualifies to pay its own workers' compensation claims.

AE. Employer's Liability Insurance limits shall be at least:

1. Bodily Injury by Accident -\$1,000,000.00 each accident
2. Bodily Injury by Disease -\$1,000,000.00 each employee

AF. 11.1.1.8.2 Commercial General Liability Insurance

1. Commercial General Liability Insurance ("CGL"), written on an ISO Occurrence Form (current edition of ISO CG 00 01 as of the date of Advertisement for Bids) or equivalent, shall include but need not be limited to coverage for bodily injury and property damage arising from premises and operations liability, products and completed operations liability, blasting and explosion, collapse of structures, underground damage, personal injury liability and contractual liability. The Commercial General Liability Insurance shall provide at minimum the following limits:
  - a. Coverage Limit
  - b. General Aggregate \$ 2,000,000.00 per Project.
  - c. Products, Completed Operations
  - d. Aggregate \$ 2,000,000.00 per Project
  - e. Personal and Advertising Injury \$1,000,000.00 per Occurrence
  - f. Each Occurrence \$ 1,000,000.00
2. Additional Requirements for Commercial General Liability Insurance:
  - a. The policy shall name the Owner, City of Orange Beach, Architect and their agents, consultants and employees as additional insureds (the "Indemnitees"), and state that this coverage shall be primary insurance for the additional insureds. Evidence that Contractor's insurance is primary with respect to any coverages available to the Indemnitees shall be provided in the form of an endorsement to the Contractor's CGL policy. Evidence that the Indemnitees have been named as additional insureds shall be provided by endorsements equivalent to ISO CG 2010 or CG 2033 and CG 2037.
  - b. The policy must include separate per project aggregate limits.

AG. 11.1.1.8.3 Commercial Business Automobile Liability Insurance

1. Commercial Business Automobile Liability Insurance shall include coverage for bodily injury and property damage arising from the operation of any owned, non-owned or hired

- automobile. The Commercial Business Automobile Liability Insurance Policy shall provide not less than \$1,000,000.00 Combined Single Limits for each occurrence.
2. The policy shall name the Owner, City of Orange Beach, Architect and their agents, consultants and employees as additional insured's
- AH. 11.1.1.8.4 Commercial Umbrella Liability Insurance
1. Umbrella Liability Insurance shall provide coverage limits excess of the Commercial General Liability, Commercial Business Automobile Liability and the Employers' Liability coverage limits, on a follow-form basis, to satisfy the minimum limits set forth herein.
  2. Minimum Combined Primary Commercial General Liability and Commercial/Excess Umbrella Limits of:
    - a. \$ 1,000,000.00 over primary insurance.
- AI. 11.1.1.8.5 Builder's Risk Insurance
1. The Builder's Risk Policy shall cover the interests of the Owner, Contractor and Subcontractors in the Work. The policy amount shall be equal to 100% of the Contract Sum, plus the value of subsequent Change Orders and cost of materials supplied or installed by others, comprising total value for the Work at the site on a replacement cost basis without optional deductibles. The policy shall be maintained until final payment has been made as provided in Article 9.10 of the General Conditions or until no person or entity other than the Owner has an insurable interest in the property All deductibles shall be the sole responsibility of the Contractor
- AJ. 11.1.1.8.6 Subcontractor's Insurance
1. Worker's Compensation and Employer's Liability Insurance. The Contractor shall require each Subcontractor to obtain and maintain statutory Workers' Compensation Insurance and adequate Employer's Liability Insurance covering all employees working on the jobsite.
  2. Liability Insurance. The Contractor shall require each Subcontractor to obtain and maintain adequate Commercial General Liability and Automobile Liability Insurance coverages equal to those of the Prime Contractor. Such coverages shall be in effect at all times that a Subcontractor is performing Work under the Contract.
  3. Enforcement Responsibility. The Contractor shall have responsibility to enforce its Subcontractors' compliance with these or similar insurance requirements; however, the Contractor shall, upon request, provide the Architect or Owner acceptable evidence of insurance for any Subcontractor.
- AK. Add §11.1.1.8.7 The Contractor shall, at the Contractor's own expense provide insurance coverage for materials stored off the site after written approval of the Owner at the value established in the approval, and also for portions of the Work in transit until such materials are permanently attached to the Work.
1. The insurance required by Section 11.1.1.6.7 is not intended to cover machinery, tools or equipment owned or rented by the Contractor that are utilized in the performance of the Work but not incorporated into the permanent improvements. The Contractor shall, at the Contractor's own expense, provide insurance coverage for owned or rented machinery, tools or equipment, which shall be subject to the provisions of Property Insurance requirements.
- AL. 11.1.1.8.8 Termination of Obligation to Insure
1. Unless otherwise expressly provided in the Contract Documents, the obligation to insure as provided herein shall continue as follows:
  2. Products and Completed Operations. The obligation to carry Products and Completed Operations coverages specified for Commercial General Liability shall remain in effect for at least the time period established by applicable state law for bringing actions based on defective construction or design claims.
  3. All Other Insurance. The obligation to carry other insurance coverages specified above shall remain in effect after the Date(s) of Substantial Completion until such time as all Work required by the Contract Documents is completed. Equal or similar insurance coverages shall remain in effect if, after completion of the Work, the Contractor, a

Subcontractor, anyone directly or indirectly employed by them or anyone for whose acts they may be liable returns to the Project to perform warranty or maintenance work pursuant to the terms of the Contract Documents.

AM. 11.1.1.8.9 Right to Revise or Reject

1. The City reserves the right to revise any insurance requirement based on insurance market conditions affecting the availability or affordability of coverage; or changes in the scope of work/specifications affecting the applicability of coverage. Additionally, the City reserves the right, but not the obligation, to review and reject and insurance policies failing to meet the criteria stated herein, or any insurer(s) providing coverage, due to its poor financial condition or failure to operate legally in the State of Alabama. In such events, City shall provide Contractor written notice of such revisions or rejections.

AN. 11.1.1.8.10 No Representation of Coverage Adequacy

1. The coverages, limits, or endorsements required herein protect the primary interests of the City, and the Contractor agrees in no way should these coverages, limits, or endorsements required be relied upon when assessing the extent or determining appropriate types and limits of coverage to protect the Contractor against any loss exposures, whether as a result of the Project or otherwise.

AO. Add §11.1.2.1 The Contractor shall furnish bonds covering faithful performance of the Contract and payment of obligations arising thereunder. Bonds may be obtained through the Contractor's usual source and the cost thereof shall be included in the Contract Sum. The amount of each bond shall be equal to (100%) of the Contract Sum. Payment and Performance Bond shall be issued by an entity that i) has a Rating of A- or better; ii) is in a "Financial Size Category" of at least VII (\$50 to \$100 million); and iii) has an "Outlook" of either "Positive" or "Stable."

AP. Add §11.1.2.2 The Contractor shall deliver the required bonds to the Owner not later than fourteen (14) days following the date the Agreement is entered into, or if the Work is to be commenced prior thereto in response to a letter of intent, the Contractor shall, prior to the commencement of the Work, submit evidence satisfactory to the Owner that such bonds will be furnished.

AQ. Add §11.1.2.3 The Contractor shall require the attorney-in-fact, who executes the required bonds on behalf of the surety to affix thereto a certified and current copy of the power of attorney.

AR. Add §12.2.2.4 Prior to the expiration of one year from the date of Substantial Completion (correction period), the Architect and Owner will conduct and the Contractor shall attend a meeting with the Owner to review the facility operations and performance and inspect the construction.

AS. Add §13.2 E-Verify: The City of Orange Beach, Alabama is defined as a "State-Funded Entity" for purposes of title 31, Chapter 13 of the Code of Alabama 1975 (the "Code"), making this Contract subject to Section 31-13-9 of the Code. Accordingly, as a condition of the award of this Contract, Contractor certifies that:

1. It shall provide documentation establishing that it is enrolled in the E-Verify program, and
2. During the performance of the Contract, it shall participate in the E-Verify program and shall verify every employee that is required to be verified according to the applicable federal rules and regulations, and
3. It shall not knowingly employ, hire for employment, or continue to employ an unauthorized alien within the State of Alabama, and
4. It shall not hire or continue to employ any direct subcontractor if it knows or should have known that the subcontractor has knowingly employed, hired for employment, or continued to employ an unauthorized alien within the State of Alabama, or has not enrolled in the E-Verify program, or is not participating in the E-Verify program and verifying every employee that is required to be verified according to the applicable federal rules and regulations.



AT. Add: §15.1.6.2.1 Calculation of rain days shall be determined as follows:

1. Obtain precipitation data from the National Oceanic and Atmospheric Administration (N.O.A.A.) for Orange Beach, Alabama.
2. A rain day is considered to be any day with a measured precipitation of more than 0.1 inch.
3. Determine the average number of days per month with a measured precipitation of more than 0.1 inch for the five-year period preceding the start of the project in question.
4. Compare the number of rain days during each month of the project contract time period to the monthly five-year average. The Contractor may be granted an extension for rain days during the contract period which exceeded the five year average. The number of days granted will vary for different types of projects, depending upon the amount of inside or outside work. Refer to the following table for various time extensions pertinent to typical project types. No time will be deducted from the contract period for months when rain days are less than the five-year average.

CLASS	TYPE OF PROJECT	NUMBE OF RAIN DAYS GRANTED PER EACH RAIN DAY BEYOND THE FIVE YEAR AVERAGE
I	Low slope (1:12 or less) roof replacement on existing building.	2 each
II	Sitework, paving, underground utilities.	3 each
III	New building, building demolition and steep roof replacement (greater than 1:12.)	1 each.
IV	Renovation of existing building with some outside work.	5 each.
V	Renovation of existing building with no outside work.	0

If time extensions are granted, they shall be included in the next subsequent change order.

Rain Day classification will be Class III unless otherwise modified by Contract Documents.

Reporting of rain days shall be included in each monthly schedule update.

AU. Add §15.1.6.2 Claims for increase in the Contract Time shall set forth in detail the circumstances that form the basis for the Claim, the date upon which each cause of delay began to affect the progress of the Work, the date upon which each cause of delay ceased to affect the progress of the Work and the number of days' increase in the Contract Time claimed as a consequence of each such cause of delay. The Contractor shall provide such supporting documentation as the Architect may require including, where appropriate, a revised construction schedule indicating all the activities affected by the circumstances forming the basis of the Claim.

AV. Add §15.1.6.3 The Contractor shall not be entitled to a separate increase in the Contract Time for each one of the number of causes of delay which may have concurrent or interrelated effects on the progress of the Work, or for concurrent delays due to the fault of the Contractor.

AW. Add §15.1.6.4 Inclement or adverse weather shall not be a prima facie reason for the granting of an extension of time, and the Contractor shall make every effort to continue work under prevailing conditions. The Owner may grant an extension of time if an unavoidable delay occurs as a result of inclement/severe/adverse weather and such shall then be classified as a "Delay Day". Any and all delay days/rain days granted by the Owner are and shall be non-compensable in any manner or form. The Contractor shall comply with the notice requirements concerning instances of inclement/severe/adverse weather before the Owner shall consider a time extension. Each day of inclement/severe/adverse weather shall be considered a separate instance or event and as such, shall be subject to the notice requirement of Section 15.1.2.

AX. Add the following at the beginning of the first sentence in Paragraph 15.3.1:

15.3.1 With the mutual agreement of the parties to the claim or dispute,

AY. Delete Article 15.4 - Arbitration in its entirety. The parties may, by mutual agreement of all parties involved, submit claims to binding arbitration.

**PART 2 PRODUCTS - NOT USED**

**PART 3 EXECUTION - NOT USED**

**END OF SECTION**

**SECTION 01 1000**  
**SUMMARY**

**PART 1 GENERAL**

**1.01 PROJECT**

- A. Project Name: Orange Beach Recreation Complex New Adult Fitness Center, City of Orange Beach, Orange Beach, Alabama.
- B. Owner's Name: City of Orange Beach, Alabama.  
4099 Orange Beach Blvd. Telephone: 251 981-6979  
Orange Beach, Alabama 36561.  
Ken Grimes, Jr., City Administrator.  
Web Site: [www.orangebeachal.gov](http://www.orangebeachal.gov).  
Owner's Representative: Ken Grimes, Jr., City Administrator.  
Telephone: 251-981-6806.  
E-Mail: [kgrimes@orangebeachal.gov](mailto:kgrimes@orangebeachal.gov) / [reberly@orangebeachal.gov](mailto:reberly@orangebeachal.gov).
- C. Architect's Name: Davis Architects Inc.  
Architect's Address: 120 23rd Street South, Birmingham, Alabama 35233.  
Telephone: 205-322-7482.
- D. Additional Project contact information is specified in Section - 00 0103 - Project Directory.
- E. The Project consists of the construction of a new adult fitness center and related site development to the Orange Beach Recreation Complex. Construction will include a single storey 17500 square foot building..

**1.02 CONTRACT DESCRIPTION**

- A. Contract Type: A single prime contract based on a Stipulated Price as described in Document 00 5000 - Contracting Forms and Supplements.
- B. Time Allotted for Completion:
  - 1. Based on a Bid Opening of March 26, 2020, it is anticipated that Contract will be awarded no later than April 7, 2020[. Notice to Proceed will be issued on or about April 17, 2020. Mobilization and construction shall begin shortly thereafter.
  - 2. The entire Work shall be Substantially Complete no later than March 6, 2021 by 5:00 PM on that day.
  - 3. See General Conditions and Supplementary Conditions for Liquidated Damage provisions.
- C. Drawings and Specifications: Drawings and Specifications are complementary, divisions and sections are arranged according to materials and functions and are not intended to be "trade" sections. These Specifications establish construction and material standards and techniques and do not necessarily cover all specific items of materials shown on the Drawings.
- D. Inspection of Job Site: Contractor acknowledges that he has visited the job site and examined the conditions for purposes of determining amount of work to be done.
  - 1. The contractor is expected to verify all dimensions and quantities necessary to complete project. The Contractor must contact the Architect to schedule site visit.
  - 2. All questions, clarifications, etc. should be addressed to Davis Architects, Attention Jeff Menasco, Project Manager or at e-mail address [jmenasco@dadot.com](mailto:jmenasco@dadot.com).
- E. Submittals: All submittals shall be addressed to Davis Architects, Inc., 120 Twenty-Third Street South, Birmingham Alabama 35233, Attention Jeff Menasco or at e-mail address [jmenasco@dadot.com](mailto:jmenasco@dadot.com).

**1.03 SALES TAX AGREEMENT**

- A. Owner is a tax-exempt entity and does not pay sales or use tax. See Document 01 2976.16 - Sales and Use Tax Savings Requirements. Obtain Certificate of Exemption from Alabama Department of Revenue (ADOR). See also 00 7323.22 - Application for Sales and Use Tax Certificate of Exemption.

#### **1.04 DESCRIPTION OF ALTERATIONS WORK**

- A. Scope of demolition and removal work is indicated on drawings and specified in Section 02 4100.
- B. Scope of alterations work is indicated on drawings.

#### **1.05 WORK BY OWNER**

- A. Items noted NIC (Not in Contract) will be supplied and installed by Owner after Substantial Completion.

#### **1.06 OWNER OCCUPANCY**

- A. Time is of the essence of the Contract. In the event the Contractor shall, for any reason, fall behind schedule, he shall promptly put double shifts of labor on the Work and/or take such other steps as may be required to expedite the work to ensure that the Work shall be fully completed within the stated time and at no extra cost to the Owner.
- B. See Document 00 7300 - Supplemental General Conditions for Liquidated Damages provisions.
- C. Owner intends to occupy existing facilities surrounding the work area for the entire construction period. Adjacent areas outside construction site will be in use by the public.
- D. Owner intends to occupy the Project upon Substantial Completion.
- E. Cooperate with Owner to minimize conflict and to facilitate Owner's operations.
- F. Schedule the Work to accommodate Owner occupancy.
  - 1. Notify Owner not less than 72 hours in advance of activities that will affect Owner's operations.

#### **1.07 CONTRACTOR USE OF SITE AND PREMISES**

- A. Examination of the Premises:
  - 1. The Contractor acknowledges that he has examined the premises and satisfied himself as to the existing conditions under which he will be obliged to operate in performing his part of the Work and that will in any way affect the Work under this Contract. No allowance will be made subsequently in this connection on behalf of the Contractor for any error or negligence on his part.
  - 2. Contractor acknowledges that he has examined all surfaces on which, or against which, work is to be applied and shall notify the Architect in writing of any defects that he may discover which, in his opinion, would be detrimental to the proper installation or operation of the Work. Commencing of work by Contractor denotes acceptance by Contractor of all conditions affecting the Work.
  - 3. Should the Contractor detect discrepancies between elements of the Contract Documents or between the Contract Documents and field conditions, Contractor shall promptly issue Request for Information (RFI) to Architect and obtain instructions prior to proceeding with affected work. Should Contractor proceed with the work prior to receiving instructions, he does so at his own risk.
- B. Construction Operations: Limited to areas noted on Drawings.
  - 1. Locate and conduct construction activities in ways that will limit disturbance to site.
  - 2. On-Site Work Hours: Work shall be generally performed during normal business working hours of 7:00 a.m. to 6:00 p.m., Monday through Friday.
- C. Access and Protection:
  - 1. Access, General: Utilize approved route to and from site as required by Owner.
  - 2. Truck and equipment access: Provide adequate protection for curbs and sidewalks over which trucks and equipment pass to reach the job site. Comply with all regulations and requirements of governmental authorities having jurisdiction.
  - 3. Protection of existing site features to remain: Provide adequate protection for existing site features to remain.

4. Maintain surrounding roads in a clean and safe condition. Clean all mud and debris from public streets and walks.
  5. Provide security fence around site of the work.
  6. Provide lockable fenced area for storage of materials and equipment.
- D. Alabama 811 - Call before you dig.
1. To utilize AL 811 services and comply with Alabama Law excavators shall call Alabama 811 at least 2 full days beginning next business day, excluding weekends and holidays, prior to commencing work.
  2. Contact Alabama 811 by calling 1-800-292-8525, or #DIG which is a free call with certain wireless providers. Approved users may notify AL 811's members through the remote ticket entry program: call811.com.
  3. Locate request will be valid for 20 days.
- E. Arrange use of site and premises to allow:
1. Owner occupancy.
  2. Work by Others.
  3. Work by Owner.
  4. Use of site and premises by the public.
- F. Provide access to and from site as required by law and by Owner:
1. Emergency Building Exits During Construction: Keep all exits required by code open during construction period; provide temporary exit signs if exit routes are temporarily altered.
  2. Do not obstruct roadways, sidewalks, or other public ways without permit.
- G. Existing building spaces may not be used for storage.
- H. Utility Outages and Shutdown:
1. Do not disrupt or shut down life safety systems, including but not limited to fire sprinklers and fire alarm system, without 7 days notice to Owner and authorities having jurisdiction.
  2. Existing Utility Interruptions: Do not interrupt utilities serving facilities occupied by Owner or others unless permitted under the following conditions and then only after providing temporary utility services according to requirements indicated:
  3. Notify Architect not less than two days in advance of proposed utility interruptions.
  4. Obtain Owner's written permission before proceeding with utility interruptions.
  5. Prevent accidental disruption of utility services to other facilities.

#### **1.08 DRESS, CONDUCT AND DECORUM**

- A. Shirts and other proper clothing are required on the job.
- B. Clothing, stickers, bumper stickers, license tags and any other device which contains obscene works, symbols or messages which are offensive are expressly prohibited.
- C. Cursing, vulgar, obscene, flirtatious language, gestures manners, etc. will not be tolerated.
- D. It is desired to eliminate unnecessary shouting and any other unnecessary noise which may disturb the activities of the Church or its neighbors.
- E. No smoking shall be allowed within buildings or within 25 feet of a building entrances, operable windows or outside air intakes.
- F. Use and presence of alcoholic beverages, illegal substances, and firearms are not permitted on site.
- G. It is the responsibility of the General Contractor to provide a drug free work place.
- H. The General Contractor will be asked to remove any worker from the site whose behavior is unacceptable.
- I. Each project worker is to remain in the area of his assignment. Areas which are not associated with the construction, renovation or maintenance contracts or agreements are not to be entered without permission.

- J. All Contractor's personnel shall wear hard hats for the duration of the project. Each employee must wear ID badges that bear the company name, employee name and employee photo.

#### **1.09 WORK SEQUENCE**

- A. As soon as practicable after grading activities have progressed and areas not to be used for further construction are complete, stabilize and seed banks and cuts and seed flat graded areas to maximize growth of ground cover during continuing construction activities.
- B. Coordinate construction schedule and operations with Architect.

#### **1.10 CONSERVATION AND SALVAGE**

- A. Carry out construction operations with the maximum possible consideration given to conservation of energy, water, and materials. Wherever possible, salvage materials and equipment involved in the performance of the Work, but not incorporated therein.

#### **1.11 GOVERNING REGULATIONS, AUTHORITIES AND LABOR CONDITIONS**

- A. Contact governing authorities having relation to Contractor's responsibilities for performing the Work for necessary information and decisions having a bearing on the Work of this Contract.
- B. Obtain all necessary permits and approvals from authorities having jurisdiction and pay all necessary permit fees.
  - 1. The City of Orange Beach Alabama will NOT require a building permit fee for this project. NOTE THAT A BUILDING PERMIT MUST BE OBTAINED.
- C. Comply fully with all applicable rules and regulations governing health and safety of employees and the general public, including Occupational Safety and Health Administration regulations and Department of Labor, Bureau of Labor Standards "Safety and Health Regulations for Construction" as may be applicable to this project.
- D. Sediment and drainage control: Comply fully with City requirements for control of runoff water and sediment from the site and construction operations. Maintain sediment barriers at all times until stabilization of the site, including cleaning of all vehicles leaving the site.

#### **1.12 SPECIFICATIONS AND DRAWING CONVENTIONS**

- A. Specification Content: The Specifications use certain conventions for the style of language and the intended meaning of certain terms, words, and phrases when used in particular situations. These conventions are as follows:
  - 1. Imperative mood and streamlined language are generally used in the Specifications. The words "shall," "shall be," or "shall comply with," depending on the context, are implied where a colon (:) is used within a sentence or phrase.
  - 2. Specification requirements are to be performed by Contractor unless specifically stated otherwise.
- B. Division 01 General Requirements: Requirements of Sections in Division 01 apply to the Work of all Sections in the Specifications.
- C. Drawing Coordination: Requirements for materials and products identified on Drawings are described in detail in the Specifications. One or more of the following are used on Drawings to identify materials and products:
  - 1. Terminology: Materials and products are identified by the typical generic terms used in the individual Specifications Sections.
  - 2. Abbreviations: Materials and products are identified by abbreviations published as part of the U.S. National CAD Standard and scheduled on Drawing.

#### **PART 2 PRODUCTS - NOT USED**

#### **PART 3 EXECUTION - NOT USED**

**END OF SECTION**

**SECTION 01 2000**  
**PRICE AND PAYMENT PROCEDURES**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Procedures for preparation and submittal of applications for progress payments.
- B. Documentation of changes in Contract Price and Contract Time.
- C. Change procedures.
- D. Correlation of Contractor submittals based on changes.
- E. Procedures for preparation and submittal of application for final payment.

**1.02 RELATED REQUIREMENTS**

- A. Section 00 5000 - Contracting Forms and Supplements: Forms to be used.
- B. Section 00 7200 - General Conditions: Additional requirements for progress payments, final payment, changes in the Work.
- C. Section 00 7300 - Supplementary Conditions: Percentage allowances for Contractor's overhead and profit.
- D. Section 01 2100 - Allowances: Payment procedures relating to allowances.

**1.03 SCHEDULE OF VALUES**

- A. Use Schedule of Values Form: AIA G703, edition stipulated in the Agreement.
- B. Electronic media printout including equivalent information will be considered in lieu of standard form specified; submit draft to Architect for approval.
- C. Forms filled out by hand will not be accepted.
- D. Submit Schedule of Values in duplicate within 15 days after date of Owner-Contractor Agreement.
- E. Format: Utilize the Table of Contents of this Project Manual. Identify each line item with number and title of the specification section. Identify site mobilization.
- F. Include separately from each line item, a direct proportional amount of Contractor's overhead and profit.
- G. Revise schedule to list approved Change Orders, with each Application For Payment.

**1.04 APPLICATIONS FOR PROGRESS PAYMENTS (SEE SECTION 01 2900 FOR ADDITIONAL REQUIREMENTS.)**

- A. Payment Period: Submit at intervals stipulated in the Agreement.
- B. Use Form AIA G702 and Form AIA G703, edition stipulated in the Agreement.
- C. Electronic media printout including equivalent information will be considered in lieu of standard form specified; submit sample to Architect for approval.
- D. Forms filled out by hand will not be accepted.
- E. For each item, provide a column for listing each of the following:
  - 1. Item Number.
  - 2. Description of work.
  - 3. Scheduled Values.
  - 4. Previous Applications.
  - 5. Work in Place and Stored Materials under this Application.
  - 6. Authorized Change Orders.
  - 7. Total Completed and Stored to Date of Application.
  - 8. Percentage of Completion.
  - 9. Balance to Finish.

10. Retainage.
- F. Execute certification by signature of authorized officer.
- G. Use data from approved Schedule of Values. Provide dollar value in each column for each line item for portion of work performed and for stored products.
- H. List each authorized Change Order as a separate line item, listing Change Order number and dollar amount as for an original item of work.
- I. Submit one electronic and three hard-copies of each Application for Payment.
- J. Include the following with the application:
  1. Transmittal letter as specified for submittals in Section 01 3000.
  2. Construction progress schedule, revised and current as specified in Section 01 3000.
  3. Partial release of liens from major subcontractors and vendors.
  4. Affidavits attesting to off-site stored products.
- K. When Architect requires substantiating information, submit data justifying dollar amounts in question. Provide one copy of data with cover letter for each copy of submittal. Show application number and date, and line item by number and description.

#### **1.05 MODIFICATION PROCEDURES**

- A. Submit name of the individual authorized to receive change documents and who will be responsible for informing others in Contractor's employ or subcontractors of changes to Contract Documents.
- B. For minor changes not involving an adjustment to the Contract Price or Contract Time, Architect will issue instructions directly to Contractor.
- C. For other required changes, Architect will issue a document signed by Owner instructing Contractor to proceed with the change, for subsequent inclusion in a Change Order.
  1. The document will describe the required changes and will designate method of determining any change in Contract Price or Contract Time.
  2. Promptly execute the change.
- D. For changes for which advance pricing is desired, Architect will issue a document that includes a detailed description of a proposed change with supplementary or revised drawings and specifications, a change in Contract Time for executing the change with a stipulation of any overtime work required and the period of time during which the requested price will be considered valid. Contractor shall prepare and submit a fixed price quotation within 5 days.
- E. Computation of Change in Contract Amount: As specified in the Agreement and Conditions of the Contract.
  1. For change requested by Architect for work falling under a fixed price contract, the amount will be based on Contractor's price quotation.
  2. For change requested by Contractor, the amount will be based on the Contractor's request for a Change Order as approved by Architect.
  3. For change ordered by Architect without a quotation from Contractor, the amount will be determined by Architect based on the Contractor's substantiation of costs as specified for Time and Material work.
- F. Substantiation of Costs: Provide full information required for evaluation.
  1. On request, provide the following data:
    - a. Quantities of products, labor, and equipment.
    - b. Taxes, insurance, and bonds.
    - c. Overhead and profit.
    - d. Justification for any change in Contract Time.
    - e. Credit for deletions from Contract, similarly documented.
  2. Support each claim for additional costs with additional information:
    - a. Origin and date of claim.
    - b. Dates and times work was performed, and by whom.



- c. Time records and wage rates paid.
- d. Invoices and receipts for products, equipment, and subcontracts, similarly documented.
- 3. For Time and Material work, submit itemized account and supporting data after completion of change, within time limits indicated in the Conditions of the Contract.
- G. Execution of Change Orders: Architect will issue Change Orders for signatures of parties as provided in the Conditions of the Contract.
- H. After execution of Change Order, promptly revise Schedule of Values and Application for Payment forms to record each authorized Change Order as a separate line item and adjust the Contract Sum.
- I. Promptly revise progress schedules to reflect any change in Contract Time, revise sub-schedules to adjust times for other items of work affected by the change, and resubmit.
- J. Promptly enter changes in Project Record Documents.

**1.06 APPLICATION FOR FINAL PAYMENT**

- A. Prepare Application for Final Payment as specified for progress payments, identifying total adjusted Contract Price, previous payments, and sum remaining due.
- B. Application for Final Payment will not be considered until the following have been accomplished:
  - 1. All closeout procedures specified in Section 01 7000.

**PART 2 PRODUCTS - NOT USED**

**PART 3 EXECUTION - NOT USED**

**END OF SECTION**

**SECTION 01 2900**  
**PAYMENT PROCEDURES**

**PART 1 - GENERAL**

**1.01 SUMMARY**

- A. Section includes administrative and procedural requirements necessary to prepare and process Applications for Payment.

**1.02 RELATED REQUIREMENTS**

- A. Section 00 5000 - Contracting Forms and Supplements: Forms to be used.
- B. Document 00 5200 - Agreement Form: Contract Sum, retainages, payment period, monetary values of unit prices.
- C. Document 00 7200 - General Conditions and Document 00 7300 - Supplementary Conditions: Additional requirements for progress payments, final payment, changes in the Work.
- D. Document 00 7300 - Supplementary Conditions: Percentage allowances for Contractor's overhead and profit.
- E. Section 01 2600 - Contract Modification Procedures.

**1.03 SCHEDULE OF VALUES**

- A. Coordination: Coordinate preparation of the schedule of values with preparation of Contractor's construction schedule.
1. Coordinate line items in the schedule of values with other required administrative forms
  2. and schedules, including the following:
  3. Application for Payment forms with continuation sheets.
  4. Submit the schedule of values to Architect at earliest possible date but no later than seven days before the date scheduled for submittal of initial Applications for Payment.
- B. Format and Content: Use Project Manual table of contents as a guide to establish line items for the schedule of values. Provide at least one line item for each Specification Section, or as required by the Architect. Provide the following as a minimum:
1. Mobilization.
  2. Temporary facilities.
  3. Hazardous materials abatement activities.
  4. Demolition.
  5. Rough grading.
  6. Closeout.
- C. Project Identification:
1. Identification: Include the following Project identification on the schedule of values:
    - a. Project name and location.
    - b. Name of Architect.
    - c. Architect's project number.
    - d. Contractor's name and address.
    - e. Date of submittal.
      - 1) Arrange schedule of values consistent with format of AIA Document G703.
      - 2) Provide a breakdown of the Contract Sum in enough detail to facilitate continued evaluation of Applications for Payment and progress reports. Coordinate with Project Manual table of contents. Provide multiple line items for principal subcontract amounts in excess of five percent of the Contract Sum.
      - 3) Round amounts to nearest whole dollar; total shall equal the Contract Sum.
      - 4) Provide a separate line item in the schedule of values for each part of the Work where Applications for Payment may include materials or equipment purchased or fabricated and stored, but not yet installed.

- 5) Provide separate line items in the schedule of values for initial cost of materials, for each subsequent stage of completion, and for total installed value of that part of the Work.
- 6) Allowances: Provide a separate line item in the schedule of values for each allowance.
- 7) Each item in the schedule of values and Applications for Payment shall be complete. Include total cost and proportionate share of general overhead and profit for each item.
  - (a) Temporary facilities and other major cost items that are not direct cost of actual work-in-place may be shown either as separate line items in the schedule of values or distributed as general overhead expense, at Contractor's option.
- 8) Schedule Updating: Update and resubmit the schedule of values before the next Applications for Payment when Change Orders or Construction Change Directives result in a change in the Contract Sum.

#### **1.04 APPLICATIONS FOR PAYMENT**

- A. Each Application for Payment shall be consistent with previous applications and payments as certified by Architect and paid for by Owner.
  1. Initial Application for Payment, Application for Payment at time of Substantial Completion, and final Application for Payment involve additional requirements.
- B. Payment Application Times: The date for each progress payment is indicated in the Agreement between Owner and Contractor. The period of construction work covered by each Application for Payment is the period indicated in the Agreement.
- C. Application for Payment Forms: Use AIA Document G702/CMa and AIA Document G703 as form for Applications for Payment.
- D. Application Preparation: Complete every entry on form. Notarize and execute by a person authorized to sign legal documents on behalf of Contractor. Architect will return incomplete applications without action.
  1. Entries shall match data on the schedule of values and Contractor's construction schedule. Use updated schedules if revisions were made.
  2. Include amounts of Change Orders and Construction Change Directives issued before last day of construction period covered by application.
- E. Transmittal: Submit three signed and notarized original copies of each Application for Payment to Architect by a method ensuring receipt within 24 hours. One copy shall include waivers of lien and similar attachments if required.
  1. Transmit each copy with a transmittal form listing attachments and recording appropriate information about application.
- F. Attachments to Application for Payment: Provide the following with each Application. Application will not be considered complete without listed attachments.
  1. Photographs: Provide minimum 20 photographs per week illustrating progress of the Work.
  2. Daily Site Log: Provide daily log of total number of workers on site and of subcontractors actively working on site.
- G. Waivers of Mechanic's Lien: With each Application for Payment, submit waivers of mechanic's lien from entities lawfully entitled to file a mechanic's lien arising out of the Contract and related to the Work covered by the payment.
  1. Submit partial waivers on each item for amount requested in previous application, after deduction for retainage, on each item.
  2. When an application shows completion of an item, submit conditional final or full waivers.
  3. Owner reserves the right to designate which entities involved in the Work must submit waivers.
  4. Waiver Forms: Submit executed waivers of lien on forms acceptable to Owner.

- H. Initial Application for Payment: Administrative actions and submittals that must precede or coincide with submittal of first Application for Payment include the following:
  - 1. Schedule of values.
  - 2. Contractor's construction schedule.
  - 3. Schedule of unit prices.
  - 4. List of Contractor's staff assignments.
  - 5. Copies of authorizations and licenses from authorities having jurisdiction for performance of the Work.
  - 6. Initial progress report.
  - 7. Certificates of insurance and insurance policies.
- I. Application for Payment at Substantial Completion: After Architect issues the Certificate of Substantial Completion, submit an Application for Payment showing 100 percent completion for portion of the Work claimed as substantially complete.
  - 1. Include documentation supporting claim that the Work is substantially complete and a statement showing an accounting of changes to the Contract Sum.
- J. Final Payment Application: After completing Project closeout requirements, submit final Application for Payment with releases and supporting documentation not previously submitted and accepted, including, but not limited, to the following:
  - 1. Evidence of completion of Project closeout requirements.
  - 2. Updated final statement, accounting for final changes to the Contract Sum.
  - 3. AIA Document G706-1994, "Contractor's Affidavit of Payment of Debts and Claims."
  - 4. AIA Document G706A-1994, "Contractor's Affidavit of Release of Liens."
  - 5. AIA Document G707-1994, "Consent of Surety to Final Payment."
  - 6. Evidence that claims have been settled.

**PART 2 - PRODUCTS (NOT USED)**

**PART 3 - EXECUTION (NOT USED)**

**END OF SECTION**

**SECTION 01 2976.16**

**TAX GUIDANCE FOR CONTRACTORS, SUBCONTRACTORS AND ALABAMA GOVERNMENTAL ENTITIES REGARDING CONSTRUCTION RELATED PRODUCTS**

**TAX GUIDANCE FOR CONTRACTORS, SUBCONTRACTORS AND ALABAMA GOVERNMENTAL ENTITIES REGARDING CONSTRUCTION RELATED CONTRACTS: ALABAMA DEPARTMENT OF REVENUE, IS BOUND INTO THIS PROJECT MANUAL FOLLOWING THIS PAGE.**

**SEE SECTION 00 7323 - ADOR APPLICATION FOR SALES AND USE TAX CERTIFICATE OF EXEMPTION (FORM ST: EXC-01).**

**END OF SECTION**





JULIE P. MAGEE  
Commissioner

# State of Alabama Department of Revenue

(www.revenue.alabama.gov)  
50 North Ripley Street  
Montgomery, Alabama 36132

MICHAEL E. MASON

Assistant Commissioner

JOE W. GARRETT, JR.

Deputy Commissioner

CURTIS E. STEWART

Deputy Commissioner

## Alabama Department of Revenue NOTICE

### Tax Guidance for Contractors, Subcontractors and Alabama Governmental Entities Regarding Construction-related Contracts

Legislative Act 2013-205 requires the Department of Revenue to issue Form STC-1, *Sales and Use Tax Certificate of Exemption for Government Entity Projects*, to all contractors and subcontractors working on qualifying governmental entity projects once the Form ST: EXC-01 is approved.

Each exempt entity, contractor and subcontractor must make application for qualification of the exemption using Form ST: EXC-01 for each tax-exempt project. The application is available on the department's website at <http://revenue.alabama.gov/salestax/ST-EXC-01.pdf>. Applications should be submitted directly to the Sales and Use Tax Division Central Office, P.O. Box 327710, Montgomery, AL 36132-7710.

The sales and use tax exemption provided for in Act 2013-205 applies to the purchase of building materials, construction materials and supplies, and other tangible personal property that become part of the structure pursuant to a qualifying contract entered into on or after January 1, 2014. Qualifying projects and contracts are those generally entered into with the following governmental entities, unless otherwise noted: the State of Alabama, a county or incorporated municipality of Alabama, an Alabama public school, or an Alabama industrial or economic development board or authority already exempt from sales and use taxes. **Please note that contracts entered into with the federal government and contracts pertaining to highway, road, or bridge construction or repair do not qualify for the exemption provided for in Act 2013-205.** [Reference: Sales and Use Tax Division Administrative Rule 810-6-3-.77 *Exemption for Certain Purchases by Contractors and Subcontractors in Conjunction with Construction Contracts with Certain Governmental Entities.*]

The Alabama Department of Revenue will assign each contractor and sub-contractor a consumers use tax account, if one is currently not in place, at the time the Form STC-1, *Sales and Use Tax Certificate of Exemption for Government Entity Projects*, is issued.

Contractors and sub-contractors for qualifying projects will be required to file monthly consumers use tax returns and report all exempt purchases for ongoing projects, as well as all taxable purchases on one return. These returns are required to be filed through the department's online tax return filing and payment portal, My Alabama Taxes (<https://myalabamataxes.alabama.gov>).

As another option for these types of contracts, as well as with other contracts entered into with other types of exempt entities, the Form ST:PAA1, *Purchasing Agent Appointment*, may be used. However, please be advised that the use of the Form ST:PAA1 option will require the exempt entity to be invoiced directly and pay for directly from their funds any construction and building material and supply purchases.

For additional information concerning this guidance, taxpayers should contact Sales and Use Tax Division representative Thomas Sims at 334-242-1574 or by email at [Thomas.Sims@revenue.alabama.gov](mailto:Thomas.Sims@revenue.alabama.gov).





**SECTION 01 3000**  
**ADMINISTRATIVE REQUIREMENTS**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Preconstruction meeting.
- B. Site mobilization meeting.
- C. Progress meetings.
- D. Contractor's daily reports.
- E. Coordination drawings.
- F. Submittals for review, information, and project closeout.
- G. Number of copies of submittals.
- H. Submittal procedures.

**1.02 RELATED REQUIREMENTS**

- A. Section 00 7200 - General Conditions: Dates for applications for payment.
- B. Section 01 7000 - Execution and Closeout Requirements: Additional coordination requirements.
- C. Section 01 7800 - Closeout Submittals: Project record documents; operation and maintenance data; warranties and bonds.

**PART 2 PRODUCTS - NOT USED**

**PART 3 EXECUTION**

**3.01 PRECONSTRUCTION MEETING**

- A. Architect will schedule a meeting after Notice of Award.
- B. Attendance Required:
  - 1. Owner.
  - 2. Architect.
  - 3. Contractor.
  - 4. Geotechnical engineer.
  - 5. Special inspections personnel.
  - 6. Key subcontractors.
- C. Agenda:
  - 1. Submission of executed bonds and insurance certificates.
  - 2. Distribution of Contract Documents.
  - 3. Submission of list of subcontractors, list of products, schedule of values, and progress schedule.
  - 4. Designation of personnel representing the parties to Contract, major subcontractors and Architect.
  - 5. Designation of personnel representing the parties to Contract, special inspections personnel and Architect.
    - a. Staff Names: Within 15 days of starting construction operations, submit a list of principal staff 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 and office telephone numbers. Provide names, addresses, and telephone numbers of individuals assigned as standbys in the absence of individuals assigned to Project.
      - 1) Post copies of list in Project meeting room, in temporary field office, and by each temporary telephone.
  - 6. Procedures and processing of field decisions, submittals, substitutions, applications for payments, proposal request, Change Orders, and Contract closeout procedures.

7. Scheduling and critical work sequencing.
  8. Scheduling activities of special inspections consultants.
  9. Preparation of record documents.
  10. Use of the premises:
    - a. Responsibility for temporary facilities and controls.
    - b. Parking availability.
    - c. Office, work, and storage areas.
    - d. Equipment deliveries and priorities.
  11. First Aid.
  12. Progress Cleaning.
  13. Working Hours.
- D. Record minutes and distribute copies within two days after meeting to participants, with two copies to Architect, Owner, participants, and those affected by decisions made.

### **3.02 SITE MOBILIZATION MEETING**

- A. Architect will schedule meeting at the Project site prior to Contractor occupancy.
- B. Attendance Required:
1. Contractor.
  2. Owner.
  3. Architect.
  4. Special consultants.
  5. Contractor's superintendent.
  6. Major subcontractors.
- C. Agenda:
1. Use of premises by Owner and Contractor.
  2. Owner's requirements.
  3. Construction facilities and controls provided by Owner.
  4. Temporary utilities provided by Owner.
  5. Survey and building layout.
  6. Security and housekeeping procedures.
  7. Schedules.
  8. Application for payment procedures.
  9. Procedures for testing.
  10. Procedures for maintaining record documents.
  11. Requirements for start-up of equipment.
  12. Inspection and acceptance of equipment put into service during construction period.
- D. Record minutes and distribute copies within two days after meeting to participants, with two copies to Architect, Owner, participants, and those affected by decisions made.

### **3.03 PROGRESS MEETINGS**

- A. Make arrangements for meetings, prepare agenda with copies for participants, preside at meetings.
- B. Attendance Required:
1. Contractor.
  2. Owner.
  3. Architect.
  4. Contractor's superintendent.
  5. Major subcontractors.
- C. Agenda:
1. Review minutes of previous meetings.
  2. Review of work progress.
  3. Field observations, problems, and decisions.

4. Identification of problems that impede, or will impede, planned progress.
5. Review of submittals schedule and status of submittals.
6. Review of off-site fabrication and delivery schedules.
7. Maintenance of progress schedule.
8. Corrective measures to regain projected schedules.
9. Planned progress during succeeding work period.
10. Coordination of projected progress.
11. Maintenance of quality and work standards.
12. Effect of proposed changes on progress schedule and coordination.
13. Other business relating to work.

- D. Record minutes and distribute copies within two days after meeting to participants, with two copies to Architect, Owner, participants, and those affected by decisions made.

### **3.04 CONSTRUCTION PROGRESS SCHEDULE 01 3200 CONSTRUCTION PROGRESS DOCUMENTATION**

#### **3.05 DAILY CONSTRUCTION REPORTS**

- A. Include only factual information. Do not include personal remarks or opinions regarding operations and/or personnel.
- B. Provide as attachment to Application for Payment.
- C. Prepare a daily construction report recording the following information concerning events at Project site and project progress:
  1. Date.
  2. High and low temperatures, and general weather conditions.
  3. List of subcontractors at Project site.
  4. Approximate count of personnel at Project site.
  5. Major equipment at Project site.
  6. Safety, environmental, or industrial relations incidents.
  7. Testing and/or inspections performed.
  8. Signature of Contractor's authorized representative.

#### **3.06 PROGRESS PHOTOGRAPHS (SEE SECTION 01 3233 FOR ADDITIONAL REQUIREMENTS.)**

- A. Submit photographs with each Application for Payment, taken at the rate of not less than 20 per week for the period of the Application for Payment.
- B. Illustrate progress of the Work.
- C. Maintain one set of all photographs at project site for reference; same copies as submitted, identified as such.

#### **3.07 COORDINATION DRAWINGS**

- A. Review drawings prior to submission to Architect.
- B. Prepare Coordination Drawings to ensure maximum utilization of space for efficient installation of different components and where coordination is required for installation of products and materials fabricated by separate entities.
  1. Indicate relationship of components shown on separate Shop Drawings.
  2. Indicate required installation sequences.
  3. Refer to Division 15 Section "Basic Mechanical Materials and Methods" and Division 16 Section "Basic Electrical Materials and Methods" for specific Coordination Drawing requirements for mechanical and electrical installations.
- C. Prior to start of construction, provide coordination shop drawings (one set of mylar or vellums), drawn to a scale not smaller than  $\frac{1}{4}'' = 1'-0''$ , for the entire building. Indicate elevations of all ductwork, piping, fixtures and equipment.

- D. Start drawings as HVAC shop drawings indicating all ductwork, piping, piping equipment, and location of mechanical floor drains, and electrical connections to motors. Draw sections as required to clarify congested situations.
- E. Next, the Plumbing Subcontractor shall add all piping and plumbing to the drawings.
- F. Next, the Fire Protection Subcontractor shall add all sprinkler heads and fire protection piping.
- G. Next, the Electrical Subcontractor shall add all electrical fixtures, conduit and equipment.
- H. Next, the drawings shall be submitted to the General Contractor for final coordination.
- I. Finally, after the General Contractor has approved drawings, they shall be submitted to the Architect for approval.

### **3.08 SUBMITTALS FOR REVIEW**

- A. When the following are specified in individual sections, submit them for review:
  - 1. Product data.
  - 2. Shop drawings.
  - 3. Samples for selection.
  - 4. Samples for verification.
- B. Submit to Architect for review for the limited purpose of checking for compliance with information given and the design concept expressed in Contract Documents.
- C. Samples will be reviewed for aesthetic, color, or finish selection.
- D. After review, provide copies and distribute in accordance with SUBMITTAL PROCEDURES article below and for record documents purposes described in Section 01 7800 - Closeout Submittals.

### **3.09 SUBMITTALS FOR INFORMATION**

- A. When the following are specified in individual sections, submit them for information:
  - 1. Design data.
  - 2. Certificates.
  - 3. Test reports.
  - 4. Inspection reports.
  - 5. Manufacturer's instructions.
  - 6. Manufacturer's field reports.
  - 7. Other types indicated.
- B. Submit for Architect's knowledge as contract administrator or for Owner.

### **3.10 SUBMITTALS FOR PROJECT CLOSEOUT**

- A. Submit Correction Punch List for Substantial Completion.
- B. Submit Final Correction Punch List for Substantial Completion.
- C. When the following are specified in individual sections, submit them at project closeout in compliance with requirements of Section 01 7800 - Closeout Submittals:
  - 1. Project record documents.
  - 2. Operation and maintenance data.
  - 3. Warranties.
  - 4. Other types as indicated.
- D. Submit for Owner's benefit during and after project completion.

**END OF SECTION**

**SECTION 01 3100**  
**PROJECT MANAGEMENT AND COORDINATION**

**PART 1 - GENERAL**

**1.01 SUMMARY**

- A. Section includes administrative provisions for coordinating construction operations on Project
- B. including, but not limited to, the following:
  - 1. General coordination procedures.
  - 2. Requests for Information (RFIs).
  - 3. Project meetings.
- C. Each contractor shall participate in coordination requirements. Certain areas of responsibility are assigned to a specific contractor.

**1.02 DEFINITIONS**

- A. RFI: Request from Owner, Construction Manager, Architect, or Contractor seeking information required by or clarifications of the Contract Documents.

**1.03 GENERAL COORDINATION PROCEDURES**

- A. 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.
- B. 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. Progress meetings.
  - 5. Project closeout activities.

**1.04 REQUESTS FOR INFORMATION (RFI)**

- 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.
- B. Content of the RFI: Include a detailed, legible description of item needing information or interpretation and the following:
  - 1. Project name.
  - 2. Project number.
  - 3. Date.
  - 4. Name of Contractor.
  - 5. Name of Architect.
  - 6. RFI number, numbered sequentially.
  - 7. RFI subject.
  - 8. Drawing number and detail references, as appropriate.
  - 9. Contractor's suggested resolution. If Contractor's solution(s) impacts the Contract Time or the Contract Sum, Contractor shall state impact in the RFI.
  - 10. Contractor's signature.
- C. RFI Forms: Form provided by Architect.
- D. Architect's Action: Architect will review each RFI, determine action required, and respond. Allow seven working days for Architect's response for each RFI. RFIs received by Architect or Construction Manager after 1:00 p.m. will be considered as received the following working day.
  - 1. Architect's action may include a request for additional information, in which case Architect's time for response will date from time of receipt of additional information.

2. Architect's action on RFIs that may result in a change to the Contract Time or the Contract Sum may be eligible for Contractor to submit Change Proposal according to Section 012600 "Contract Modification Procedures."
  - a. If Contractor believes the RFI response warrants change in the Contract Time or the Contract Sum, notify Architect in writing within 10 days of receipt of the RFI response.
- E. RFI Log: Prepare, maintain, and submit a tabular log of RFIs organized by the RFI number. Submit log at each project meeting. Include the following:
  1. Project name.
  2. Name and address of Contractor.
  3. Name and address of Architect.
  4. RFI number including RFIs that were dropped and not submitted.
  5. RFI description.
  6. Date the RFI was submitted.
  7. Date Architect's response was received.
- F. On receipt of Architect's action, update the RFI log and immediately distribute the RFI response to affected parties. Review response and notify Architect within seven days if Contractor disagrees with response.
  1. Identification of related Minor Change in the Work, Construction Change Directive, and Proposal Request, as appropriate.
  2. Identification of related Field Order, Work Change Directive, and Proposal Request, as appropriate.

#### 1.05 PROJECT MEETINGS

- A. General: Architect will schedule and conduct meetings and conferences at Project site unless otherwise indicated.
  1. Attendees: Inform participants and others involved, and individuals whose presence is required, of date and time of each meeting. Notify Owner and Architect of scheduled meeting dates and times.
  2. Minutes: Entity responsible for conducting meeting will record significant discussions and agreements achieved. Distribute the meeting minutes to everyone concerned, including Owner and Architect, within three days of the meeting.
- B. Preconstruction Waste Management Conference: Architect will schedule a preconstruction waste management conference separately from other preconstruction conferences, at a time convenient to Architect and Contractor, but no later than 15 days after execution of the Agreement.
  1. Attendees: Owner, Architect, Contractor and its superintendent; major subcontractors; manufacturers; and other concerned parties shall attend the conference. All participants at the conference shall be familiar with Project and authorized to conclude matters relating to the Work.
  2. Review waste management goals for the Project and waste management plan.
- C. Preconstruction Conference: Architect will schedule and conduct a predemolition conference before starting demolition, at a time convenient to Owner and Architect, but no later than 15 days after execution of the Agreement.
  1. Attendees: Authorized representatives of Owner, Architect, and their consultants; Contractor and its superintendent; major subcontractors; and other concerned parties shall attend the conference. Participants at the conference shall be familiar with Project and authorized to conclude matters relating to the Work.
  2. Agenda: Discuss items of significance that could affect progress, including the following:
    - a. Tentative construction schedule.
    - b. Designation of key personnel and their duties.
    - c. Lines of communications.
    - d. Procedures for processing field decisions and Change Orders.
    - e. Procedures for RFIs.

- f. Procedures for processing Applications for Payment.
  - g. Distribution of the Contract Documents.
  - h. Preparation of record documents.
  - i. Work restrictions.
  - j. Working hours.
  - k. Responsibility for temporary facilities and controls.
  - l. Procedures for disruptions and shutdowns.
  - m. Parking availability.
  - n. Office, work, and storage areas.
  - o. First aid.
  - p. Minutes: Entity responsible for conducting meeting will record and distribute meeting minutes.
  - q. Minutes: Entity responsible for conducting meeting will record and distribute meeting minutes.
- D. Project Closeout Conference: Architect will schedule and conduct a Project closeout conference, at a time convenient to Owner and Architect, but no later than 90 days prior to the scheduled date of Substantial Completion.
- 1. Conduct the conference to review requirements and responsibilities related to Project closeout.
  - 2. Attendees: Authorized representatives of Owner, Architect, and their consultants; Contractor and its superintendent; major subcontractors; and other concerned parties shall attend the meeting. Participants at the meeting shall be familiar with Project and authorized to conclude matters relating to the Work.
  - 3. Agenda: Discuss items of significance that could affect or delay Project closeout, including the following:
    - a. Preparation of record documents.
    - b. Requirements for preparing LEED documentation where applicable.
    - c. Procedures for processing Applications for Payment at Substantial Completion and for final payment.
    - d. Responsibility for removing temporary facilities and controls.
  - 4. Minutes: Entity conducting meeting will record and distribute meeting minutes.

**PART 2 - PRODUCTS (NOT USED)**

**PART 3 - EXECUTION (NOT USED)**

**END OF SECTION**

**SECTION 01 3233**  
**PHOTOGRAPHIC DOCUMENTATION**

**PART 1 - GENERAL**

**1.01 SUMMARY**

- A. Section includes administrative and procedural requirements for the following:
  - 1. Predemolition photographs.
- B. Related Requirements:
  - 1. Section 017700 "Closeout Procedures" for submitting photographic documentation as Project Record Documents at Project closeout.
  - 2. Section 024116 "Structure Demolition" for photographic documentation before building demolition operations commence.

**1.02 INFORMATIONAL SUBMITTALS**

- A. Key Plan: Submit key plan of Project site and building with notation of vantage points marked for location and direction of each photograph.
- B. Digital Photographs: Submit unaltered, original, full-size image files with each Application for Payment. Provide minimum of 20 photographs per week.
  - 1. Digital Camera: Minimum sensor resolution of 8 megapixels.
  - 2. Identification: Provide the following information with each image description in file metadata tag:
    - a. Name of Project.
    - b. Name and contact information for photographer.
    - c. Date photograph was taken.
    - d. Description of vantage point, indicating location, direction (by compass point), and elevation or story of construction.

**PART 2 - PRODUCTS**

**2.01 PHOTOGRAPHIC MEDIA**

- A. Digital Images: Provide images in JPG format, with minimum size of 8 megapixels.

**PART 3 - EXECUTION**

**3.01 CONSTRUCTION PHOTOGRAPHS**

- A. Photographer: Engage a qualified photographer to take construction photographs.
- B. General: Take photographs using the maximum range of depth of field, and that are in focus, to clearly show the Work. Photographs with blurry or out-of-focus areas will not be accepted.
  - 1. Maintain key plan with each set of construction photographs that identifies each photographic location.
- C. Digital Images: Submit digital images exactly as originally recorded in the digital camera, without alteration, manipulation, editing, or modifications using image-editing software.
  - 1. Date and Time: Include date and time in file name for each image.
- D. Preconstruction Photographs: Before commencement of demolition, take photographs of Project site and surrounding properties, including existing items to remain during construction, from different vantage points, as directed by Architect.
  - 1. Flag construction limits before taking construction photographs.
  - 2. Take 12 photographs to show existing conditions adjacent to property before starting the Work.
  - 3. Take 12 photographs of existing buildings either on or adjoining property to accurately record physical conditions at start of construction.
  - 4. Take additional photographs as required to record settlement or cracking of adjacent structures, pavements, and improvements.

**END OF SECTION**



ORANGE BEACH NEW ADULT FITNESS CENTER  
CITY OF ORANGE BEACH  
ORANGE BEACH, ALABAMA

February 14, 2020  
DAI 3891.02  
(ADDENDUM NO. 2 MARCH 13, 2020)

**SECTION 10 2800**  
**TOILET, BATH, AND LAUNDRY ACCESSORIES**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Commercial toilet accessories.
- B. Commercial shower and bath accessories.

**1.02 RELATED REQUIREMENTS**

- A. Section 06 1000 - Rough Carpentry: Concealed supports for accessories, including in wall framing and plates and above ceiling framing.
- B. Section 10 2113.19 - Plastic Toilet Compartments.
- C. Section 22 4000 - Plumbing Fixtures: Under-lavatory pipe and supply covers.

**1.03 REFERENCE STANDARDS**

- A. ADA Standards - Americans with Disabilities Act (ADA) Standards for Accessible Design; 2010.
- B. ASTM A123/A123M - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products; 2017.
- C. ASTM A269/A269M - Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service; 2015a (Reapproved 2019).
- D. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2018.
- E. ASTM A666 - Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar; 2015.
- F. ASTM B456 - Standard Specification for Electrodeposited Coatings of Copper Plus Nickel Plus Chromium and Nickel Plus Chromium; 2017.
- G. ASTM C1036 - Standard Specification for Flat Glass; 2016.
- H. ASTM C1048 - Standard Specification for Heat-Strengthened and Fully Tempered Flat Glass; 2012.
- I. ASTM C1503 - Standard Specification for Silvered Flat Glass Mirror; 2008 (Reapproved 2013).
- J. GSA CID A-A-3002 - Mirrors, Glass; U.S. General Services Administration; 1996.

**1.04 ADMINISTRATIVE REQUIREMENTS**

- A. Coordinate the work with the placement of internal wall reinforcement, concealed ceiling supports, and reinforcement of toilet partitions to receive anchor attachments.

**1.05 SUBMITTALS**

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Submit data on accessories describing size, finish, details of function, and attachment methods.
- C. Manufacturer's Installation Instructions: Indicate special procedures and conditions requiring special attention.

**1.06 COORDINATION**

- A. Coordinate the work with the placement of internal wall reinforcement, concealed ceiling supports, and reinforcement of toilet partitions to receive anchor attachments.

**PART 2 PRODUCTS**

**2.01 MANUFACTURERS**

- A. Basis of Design: Bobrick Washroom Equipment Inc.
- B. Other Acceptable Manufacturers:

1. AJW Architectural Products: [www.ajw.com](http://www.ajw.com).
  2. ASI - American Specialties, Inc: [www.americanspecialties.com](http://www.americanspecialties.com).
  3. Bobrick Washroom Equipment Inc: [www.bobrick.com](http://www.bobrick.com).
  4. Bradley Corporation: [www.bradleycorp.com](http://www.bradleycorp.com).
  5. Substitutions: Section 01 6000 - Product Requirements.
- C. Teak Shower Seats:
1. Basis of Design: Teakworks4U: [www.teakworks4u.com](http://www.teakworks4u.com).
  2. Substitutions: Section 01 6000 - Product Requirements.
- D. Provide products of each category type by single manufacturer.

## 2.02 MATERIALS

- A. Accessories - General: Shop assembled, free of dents and scratches and packaged complete with anchors and fittings, steel anchor plates, adapters, and anchor components for installation.
1. Grind welded joints smooth.
  2. Fabricate units made of metal sheet of seamless sheets, with flat surfaces.
- B. Keys: Provide 6 keys for each accessory to Owner; master key lockable accessories.
- C. Stainless Steel Sheet: ASTM A666, Type 304.
- D. Stainless Steel Tubing: ASTM A269/A269M, Grade TP304 or TP316.
- E. Galvanized Sheet Steel: Hot-dipped galvanized steel sheet, ASTM A653/A653M, with G90/Z275 coating.
- F. Mirror Glass: Annealed float glass, ASTM C1036 Type I, Class 1, Quality Q2, with silvering, protective and physical characteristics complying with ASTM C1503.
- G. Mirror Glass: Tempered safety glass, ASTM C1048; and ASTM C1036 Type I, Class 1, Quality Q2, with silvering as required.
- H. Adhesive: Two component epoxy type, waterproof.
- I. Fasteners, Screws, and Bolts: Hot dip galvanized; tamper-proof; security type.
- J. Expansion Shields: Fiber, lead, or rubber as recommended by accessory manufacturer for component and substrate.

## 2.03 FINISHES

- A. Stainless Steel: Satin finish, unless otherwise noted.
- B. Chrome/Nickel Plating: ASTM B456, SC 2, polished finish, unless otherwise noted.
- C. Galvanizing for Items Other than Sheet: Comply with ASTM A123/A123M; galvanize ferrous metal and fastening devices.
- D. Shop Primed Ferrous Metals: Pretreat and clean, spray apply one coat primer and bake.
- E. Back paint components where contact is made with building finishes to prevent electrolysis.

## 2.04 COMMERCIAL TOILET ACCESSORIES

- A. Toilet Paper Dispenser Type T4: Double roll, surface mounted jumbo roll type, stainless steel.
1. Products:
    - a. Bobrick Washroom Equipment Inc: B2892 Double Roll Jumbo Surface Mounted Toilet Paper Holder.
    - b. Substitutions: Section 01 6000 - Product Requirements.
- B. Paper Towel Dispenser Type T2A: Electric, roll paper type.
1. Cover: Stainless steel.
  2. Paper Discharge: Touchless automatic.
  3. Capacity: 8 inch diameter roll.
  4. Mounting: Surface mounted.
  5. Power: AC power adapter.
  6. Refill Indicator: Illuminated refill indicator.

7. Products:
  - a. American Specialties Inc:8523AC Surface Mounted Paper Towel Dispenser.
8. Substitutions: Section 01 6000 - Product Requirements.
- C. Waste Receptacle Type T1: Stainless steel, freestanding style.
  1. Liner: Removable, heavy-duty vinyl liner, attached at a minimum of four points with stainless steel grommets and hooks.
  2. Minimum capacity: 20 gallons.
  3. Products:
    - a. Bobrick Washroom Equipment Inc: Model B2280 Floor Standing Waste Receptacle with B-527 Trimline Series Countertop Waste Disposal Door..
    - b. Substitutions: Section 01 6000 - Product Requirements.
- D. Soap Dispenser Type T6: Liquid soap dispenser, wall-mounted, surface, for with stainless steel cover and vertical stainless steel tank and working parts; push type soap valve, check valve, and window gage refill indicator, tumbler lock.
  1. Minimum Capacity: 40 ounces.
  2. Products:
    - a. Bobrick Washroom Equipment Inc: B2111 Surface Mounted Vertical Soap Dispenser.
    - b. Substitutions: Section 01 6000 - Product Requirements.
- E. Mirrors Type T8: Stainless steel framed, 1/4 inch thick tempered safety glass; ASTM C1048.
  1. Size: 36 by 24 inches.
  2. Frame: 0.048 inch angle shapes, with mitered and welded and ground corners, and tamperproof hanging system; No.4 finish.
  3. Backing: Full-mirror sized, minimum 0.03 inch galvanized steel sheet and nonabsorptive filler material.
  4. Products:
    - a. Bobrick Washroom Equipment Inc: B-165 2436 Channel Frame Mirror.
    - b. Substitutions: Section 01 6000 - Product Requirements.
- F. Grab Bars: Stainless steel, smooth surface.
  1. Standard Duty Grab Bars:
    - a. Push/Pull Point Load: 250 pound-force, minimum.
    - b. Dimensions: 1-1/4 inch outside diameter, minimum 0.05 inch wall thickness, exposed flange mounting, 1-1/2 inch clearance between wall and inside of grab bar.
    - c. Finish: Satin.
    - d. Length and Configuration: As indicated on drawings.
    - e. Products:
      - 1) Bobrick Washroom Equipment Inc: B-5806 Stainless Steel Grab Bar w/ Snap Flange.
        - (a) Type T5A: 36 inch horizontal grab bar.
        - (b) Type T5B: 42 inch horizontal grab bar.
        - (c) Type T5C: 18 inch vertical grab bar.
        - (d) Type T5D: 24 inch horizontal grab bar.
      - 2) Substitutions: Section 01 6000 - Product Requirements.
- G. Sanitary Napkin Disposal Unit Type T3: Stainless steel, surface-mounted, self-closing door, locking bottom panel with full-length stainless steel piano-type hinge, removable receptacle.
  1. Products:
    - a. Bobrick Washroom Equipment Inc: B-270 Sanitary Napkin Disposal.
    - b. Substitutions: Section 01 6000 - Product Requirements.

## **2.05 COMMERCIAL SHOWER AND BATH ACCESSORIES**

- A. Body Wash / Shampoo Dispenser Type T7: Liquid soap dispenser, wall mounted, stainless steel.

1. Size: 3-25/32 by 13-15/64 by 6-1/32 deep.
  2. Capacity: 1000 ml, soap cartridges or bulk soap.
  3. Products:
    - a. Bobrick Washroom Equipment, Inc: B26617 Series.
    - b. Substitutions: Section 01 6000 - Product Requirements.
- B. Shower Curtain Rod Type T11: Stainless steel tube, 1 inch outside diameter, 0.04 inch wall thickness, satin-finished, with 1-3/8 inch outside diameter, minimum 0.04 inch thick satin-finished stainless steel flanges, for concealed mounting.
1. Products:
    - a. Bobrick Washroom Equipment Inc: B-207-2 Series, length as required.
      - 1) T11a: Standard Showers.
      - 2) T11b: ADA Compliant Showers.
    - b. Substitutions: Section 01 6000 - Product Requirements.
- C. Shower Curtain Type T11: Opaque vinyl, 0.008 inch thick, matte finish, with antibacterial treatment, flameproof and stain-resistant.
1. Material: Opaque vinyl, 0.008 inch thick, matte finish, with antibacterial treatment, flameproof and stain-resistant.
  2. Size: See Drawings.
  3. Grommets: Stainless steel; pierced through top hem on 6 inch centers.
  4. Color: White.
  5. Shower Curtain Hooks Type T11: Chrome-plated or stainless steel spring wire designed for snap closure.
  6. Products:
    - a. Type T11a: Bobrick Washroom Equipment Inc: 204-2 Shower Curtain Standard Showers. Provide with T11 hooks.
    - b. Type T11b: Bobrick Washroom Equipment Inc. 204-3 Shower Curtain. (ADA Compliant Showers. Provide with T11 hooks.
    - c. Substitutions: Section 01 6000 - Product Requirements.
- D. Folding Shower Seat: Wall-mounted surface; welded tubular seat frame, structural support members, hinges and mechanical fasteners of Type 304 stainless steel, L-shaped, right hand, L-shaped, left hand, and rectangular seat.
1. Weight Capacity: 250 to 300 pounds.
  2. Heavy duty 18 gage Type 304 stainless steel framing.
  3. Heavy duty marine grade stainless steel hardware.
  4. Seat: Teakwood slats secured to supporting frame members with stainless steel screws. Ease edges of each slat.
  5. Size: ADA Standards compliant.
  6. Products:
    - a. Teakworks4U: [www.teakworks4u.com](http://www.teakworks4u.com).
      - 1) Type T12a: Fold-down wall mount transfer Seat, 30 x 22.5 inch; Model No. 300225WL or 300225WR. .
      - 2) Type T12b: Fold-Down wall mount seat, 30 by 12.5 inch: Model No. TBF30W.
      - 3) Type T12c: Free-Standing heavy duty rigid bench seat; 30 by 14 by 18 inch high: Model No. TB-3014RBS.
    - b. Substitutions: Section 01 6000 - Product Requirements.
- E. Towel Bar Type T10: Stainless steel, 3/4 inch round tubular bar; rectangular brackets, concealed attachment, satin finish.
1. Length: 24 inches.
  2. Products:
    - a. Bobrick B-6737x24 Square.
    - b. Substitutions: Section 01 6000 - Product Requirements.

- F. Robe Hook Type T9: Heavy-duty stainless steel, double-prong, tubular shaped bracket and backplate for concealed attachment, satin finish.
  - 1. Products:
    - a. Bobrick B-76727 Double Robe Hook.
    - b. Substitutions: Section 01 6000 - Product Requirements.

### **PART 3 EXECUTION**

#### **3.01 EXAMINATION**

- A. Verify existing conditions before starting work.
- B. Verify exact location of accessories for installation.
- C. For electrically-operated accessories, verify that electrical power connections are ready and in the correct locations.
- D. Verify that field measurements are as indicated on drawings.
- E. Verify that plumbing connections are in correct locations and ready for attachment.
- F. See Section 06 1000 - Rough Carpentry for installation of blocking in walls.

#### **3.02 PREPARATION**

- A. Deliver inserts and rough-in frames to site for timely installation.
- B. Provide templates and rough-in measurements as required.

#### **3.03 INSTALLATION**

- A. Install accessories in accordance with manufacturers' instructions in locations indicated on drawings.
- B. Install plumb and level, securely and rigidly anchored to substrate.
- C. Mounting Heights: As required by accessibility regulations, unless otherwise indicated.

#### **3.04 PROTECTION**

- A. Protect installed accessories from damage due to subsequent construction operations.

**END OF SECTION**

**SECTION 10 4313**  
**DEFIBRILLATOR CABINETS**

**PART 1 - GENERAL**

**1.01 SUMMARY**

- A. Section Includes:
  - 1. Surface mounted fabricated automated external defibrillator (AED) cabinets.
  - 2. Automated external defibrillators (AED's).

**1.02 ACTION SUBMITTALS**

- A. Product Data: For each type of product indicated. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for AED cabinets.
  - 1. Include roughing-in dimensions, details showing mounting methods, relationships of box and trim to surrounding construction, door hardware, cabinet type, trim style, and panel style.
  - 2. Automated External Defibrillator
- B. Shop Drawings: For AED cabinets. Include plans, elevations, sections, details, and attachments to other work.
- C. Samples for Initial Selection: For each type of AED cabinet indicated.
- D. Samples for Verification: For each type of exposed finish required, prepared on Samples of size indicated below:
  - 1. Size: 6 by 6 inches square.

**1.03 CLOSEOUT SUBMITTALS**

- A. Maintenance and Reordering Data: For AED Cabinets and AED units including pads and battery packs.

**1.04 QUALITY ASSURANCE**

- A. Electrical Components, Devices and Accessories: : Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
- B. Pre-installation Conference: Conduct conference at Project site.
  - 1. Review methods and procedures related to AED cabinets including, but not limited to, the following:
    - a. Schedules and coordination requirements.

**1.05 COORDINATION**

- A. Coordinate size of AED cabinets to ensure that type and capacity of AED units indicated are accommodated.
- B. Coordinate sizes and locations of AED cabinets with wall depths, construction, and fire ratings.

**PART 2 - PRODUCTS**

**2.01 MANUFACTURERS**

- A. AED Cabinets: Provide surface mounted cabinet suitable for selected AED.
  - 1. Basis of Design Manufacturer: Physio- Control Inc; AED Wall Cabinet : [www.physio-control.com](http://www.physio-control.com).
  - 2. Other Acceptable Manufacturers: Subject to requirements, provide equal products of the following manufacturers with written approval of Architect.
  - 3. Potter-Roemer; HSL-05 AED: [www.potterroemer.com](http://www.potterroemer.com).
  - 4. JL Industries, Inc; 1415F12 AED: [www.jlindustries.com](http://www.jlindustries.com).
  - 5. Larsen's Manufacturing Co: [www.larsensmfg.com](http://www.larsensmfg.com).
  - 6. Nystrom, Inc: [www.nystrom.com/sle](http://www.nystrom.com/sle).
  - 7. Substitutions: See Section 01 6000 - Product Requirements.
- B. Automated External Defibrillator (AED)

1. Basis of Design Physio-Control Inc; LifePak CR Plus Fully Automatic:  
www.physio-control.com.
2. Substitutions: Not permitted.

## **2.02 MATERIALS**

- A. Cold-Rolled Steel Sheet: ASTM A 1008/A 1008M, Commercial Steel (CS), Type B.
- B. Tempered Float Glass: ASTM C 1048, Kind KT, Condition A, Type I, Quality q3, 1/8 inch, Class I (clear).

## **2.03 AED CABINET**

- A. Cabinet Type: Suitable for mounting AED with alarm;
- B. Cabinet Construction: Nonrated surface mounted.
- C. Cabinet Interior Size: 14 inches wide by 22 inches high by 6 inches deep, as required to incorporate AED and specified features. All cabinet components and equipment shall be accessible, removable and replaceable with the cabinet door in a 90 degree position.
- D. Cabinet Material: Steel sheet.
- E. Recessed Cabinet: Cabinet box recessed in walls of sufficient depth to suit style of trim.
- F. Cabinet Trim Material: Stainless-steel sheet.
- G. Door Material: Steel sheet.
- H. Door Style: Provide limited visibility window to match existing.
- I. Door Glazing: Tempered float glass.
- J. Door Hardware: Manufacturer's standard door-operating hardware of proper type for cabinet type, trim style, and door material and style indicated.
  1. Provide manufacturer's standard.
  2. Provide continuous hinge, of same material and finish as trim, permitting door to open 180 degrees.
- K. Accessories:
  1. Identification: Manufacturer's standard.
- L. Finishes:
  1. Manufacturer's standard baked-enamel paint for the interior of cabinet.
- M. Alarm:
  1. Circuitry Board.
  2. Alarm Circuitry
  3. Alarm Key Switch and Key:
  4. Control for Visual Alarm, Audio Alarm and Relay Closures:

## **2.04 AUTOMATED EXTERNAL DEFIBRILLATOR (AEDS)**

- A. General: Provide automatic defibrillator especially designed for public use. Include voice commands. Provide complete with long life battery pack, pads software and instructions.
- B. Provide the following: Provide city standard model complete with battery pack and pads.
  1. LifePak CR Plus Fully Automatic manufactured by Physio-Control Inc.
  2. Substitutions: Not permitted

## **2.05 FABRICATION**

- A. AED Cabinets: Provide manufacturer's standard box (tub) with trim, frame, door, and hardware to suit cabinet type, trim style, and door style indicated.
  1. Weld joints and grind smooth.
  2. Provide factory-drilled mounting holes.
- B. Cabinet Doors: Fabricate doors according to manufacturer's standards, from materials indicated and coordinated with cabinet types and trim styles selected.



- C. Cabinet Trim: Fabricate cabinet trim in one piece with corners mitered, welded, and ground smooth.

## **2.06 GENERAL FINISH REQUIREMENTS**

- A. Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.
- B. Protect mechanical finishes on exposed surfaces of fire protection cabinets from damage by applying a strippable, temporary protective covering before shipping.
  - 1. Finish fire protection cabinets after assembly.
  - 2. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

## **PART 3 - EXECUTION**

### **3.01 EXAMINATION**

- A. Examine walls and partitions for suitable framing depth and blocking where recessed cabinets will be installed.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

### **3.02 PREPARATION**

- A. Prepare recesses for recessed fire protection cabinets as required by type and size of cabinet and trim style.

### **3.03 INSTALLATION**

- A. General: Install AED cabinets in locations and at mounting heights, at heights acceptable to the Authority Having Jurisdiction.
- B. AED Cabinets: Fasten cabinets to structure, square and plumb.

### **3.04 ADJUSTING AND CLEANING**

- A. Remove temporary protective coverings and strippable films, if any, as cabinets are installed unless otherwise indicated in manufacturer's written installation instructions.
- B. Adjust cabinet doors to operate easily without binding.
- C. On completion of cabinet installation, clean interior and exterior surfaces as recommended by manufacturer.
- D. Touch up marred finishes, or replace cabinets that cannot be restored to factory-finished appearance. Use only materials and procedures recommended or furnished by AED cabinet and mounting bracket manufacturers.
  - 1. Replace AED cabinets that have been damaged or have deteriorated beyond successful repair by finish touchup or similar minor repair procedures.

**END OF SECTION**

**SECTION 10 7113.13**  
**EXTERIOR SHUTTERS**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Aluminum shutters.
- B. Shutter hardware.

**1.02 REFERENCE STANDARDS**

- A. AAMA 2605 - Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels (with Coil Coating Appendix); 2017a.
- B. ASTM E330/E330M - Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference; 2014.
- C. ASTM E1996 - Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Windborne Debris in Hurricanes; 2017.

**1.03 SUBMITTALS**

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Manufacturer's data sheets on each product to be used.
- C. Shop Drawings: Show materials, layout, dimensions, profiles, fasteners and anchors, hardware, finishes, and interface with adjacent construction.
- D. Samples: For each finish product specified, two complete sets of color chips representing manufacturer's standard colors.
- E. Certificate: Certify that products of this section meet or exceed specified requirements.
- F. Test Reports: Show compliance with specified requirements for windborne debris-resistant shutters.
- G. Product Evaluation Reports: Show compliance with specified requirements.
- H. Manufacturer's Qualification Statement.
- I. Installer's Qualification Statement.
- J. Warranty Documentation: Submit manufacturer warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.
- K. Specimen Warranty.

**1.04 QUALITY ASSURANCE**

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with at least five years of documented experience.
- B. Installer Qualifications: Company specializing in performing work of the type specified and with at least five years of documented experience and approved by manufacturer.

**1.05 DELIVERY, STORAGE, AND HANDLING**

- A. Deliver materials to site in manufacturer's original, unopened packaging, with labels clearly identifying product name and manufacturer.
- B. Store products in manufacturer's unopened packaging until ready for installation.
- C. Store materials in a clean, cool and dry area in accordance with manufacturer's instructions. Do not leave unopened shutters in direct sunlight.
- D. Protect materials during handling and installation to prevent damage.

### 1.06 FIELD CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer. Do not install products under environmental conditions outside manufacturer's absolute limits.

### 1.07 WARRANTY

- A. See Section 01 7800 - Closeout Submittals, for additional warranty requirements.
- B. Correct defective Work within a five year period after Date of Substantial Completion.
- C. Provide five year manufacturer warranty for shutters.

## PART 2 PRODUCTS

### 2.01 MANUFACTURERS

- A. Aluminum Shutters:
  - 1. Basis of Design: Larsen Shutter Company; New Horizon Decorative Aluminum Bahama Shutters: [www.larsenshutters.com](http://www.larsenshutters.com).
  - 2. LAS Shutters and Windows: [www.lashome.com](http://www.lashome.com).
  - 3. Willard Shutter Company: [www.willardshutterco.com](http://www.willardshutterco.com).
  - 4. New Horizon Shitters: [www.newhorizonshutters.com](http://www.newhorizonshutters.com).
  - 5. Substitutions: See Section 01 6000 - Product Requirements.

### 2.02 EXTERIOR SHUTTERS

- A. General:
  - 1. Provide operable shutters as indicated on drawings.
- B. Material Composition: Aluminum, and as specified below.
- C. Type: Top hung (Bahama).
  - 1. Style: Louvered.
- D. Thickness: 1-3/4 inches, nominal.
- E. Width: 72 inch.
- F. Height: 72 inch.
- G. Impact Protective System: Shutter manufacturer's standard assembly for specified shutter type.
  - 1. Storm Bars:
    - a. Bahama Storm Shutters: Hurricane-rated top hinge with locking system on sides.
  - 2. Accessories: Provide stainless steel hinges, holders, fasteners, and other accessories to resist design windloads and for proper shutter operations.

### 2.03 PERFORMANCE REQUIREMENTS

- A. Shutters to withstand specified load requirements without damage or permanent set, when tested in accordance with ASTM E330/E330M.
- B. Design Wind Loads: Comply with requirements of authorities having jurisdiction.
- C. Windborne Debris Resistance: Shutter with impact protective system complying with ASTM E1996 for Wind Zone 3 - Enhanced Protection, including both large and small missile tests, and cyclic pressure loading when tested according to ASTM E1886.

### 2.04 MATERIALS

- A. Manufacturer's standard shutter construction and materials for selected model or product line.
- B. Aluminum: Shutters fabricated from individual components of aluminum and other materials as noted below.
  - 1. Stiles: Extruded aluminum.
  - 2. Rails: Extruded aluminum.
  - 3. Louver Slats: Extruded aluminum; rounded edges.

4. Thermal Stability: Reinforced aluminum alloy structural louvers for wider spans up to 48 inches and side rails finished with a two-part solar reflective polyurethane enamel thermally stable up to 800 degrees F.
5. Shop-Applied Finish:
  - a. Superior Performing Organic Coatings System: Manufacturer's standard multi-coat superior performing organic coatings system complying with AAMA 2605, including at least 70 percent polyvinylidene fluoride (PVDF) resin, and at least 80 percent of aluminum extrusion and panels surfaces having minimum total dry film thickness (DFT) of 1.2 mils, 0.0012 inch.
6. Color: As indicated on Drawings.

## **2.05 HARDWARE**

- A. Hardware for Top-Hung "Bahama" Shutters: Select from shutter manufacturer's standard options.
  1. Two-Piece Continuous Top Hinges:
    - a. Material: Aluminum.
    - b. Finish: Match shutter finish and color.
  2. Tilt Arms:
    - a. Aluminum tilt arms with nylon end caps.
    - b. Adjustable for 18 inches extension.
    - c. Provide latching mechanism for securing shutter in closed position.

## **PART 3 EXECUTION**

### **3.01 EXAMINATION**

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
- C. Commencement of work will imply acceptance of substrate.

### **3.02 PREPARATION**

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

### **3.03 INSTALLATION**

- A. Install shutters in accordance with manufacturer's instructions for mounting indicated.
- B. Adjust operable units for smooth unobstructed operation.

### **3.04 PROTECTION**

- A. Protect installed products from damage by weather and other work until Date of Substantial Completion.
- B. Touch-up and repair damaged products before Date of Substantial Completion.

**END OF SECTION**

SECTION 263613 - ENCLOSED TRANSFER SWITCHES  
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. This Section includes transfer switches rated 600 V and less, including the following:
  - 1. Automatic transfer switches
- B. Related Sections include the following:

1.3 SUBMITTALS

- A. Product Data: For each type of product indicated. Include rated capacities, weights, operating characteristics, furnished specialties, and accessories.
  - 1. Technical data on all major components of all transfer switches and other products described in this section. Data is required for the transfer switch mechanism, control system, cabinet, and protective devices specifically listed for use with each transfer switch. Include steady state and fault current ratings, weights, operating characteristics, and furnished specialties and accessories.
  - 2. Single Line Diagram: Show connections between transfer switch, power sources and load
- B. Shop Drawings: Dimensioned plans, elevations, sections, and details showing minimum clearances, conductor entry provisions, gutter space, installed features and devices, and material lists for each switch specified.
  - 1. Dimensioned outline drawings of assembly, including elevations, sections, and details including minimal clearances, conductor entry provisions, gutter space, installed features and devices and material lists for each switch specified.
  - 2. Internal electrical wiring and control drawings.
  - 3. Interconnection wiring diagrams, showing recommended conduit runs and point-to-point terminal connections to generator set.
  - 4. Installation and mounting instructions, including information for proper installation of equipment to meet seismic requirements.
- C. Manufacturer and Supplier Qualification Data

1. The transfer switch manufacturer shall be certified to ISO 9001 International Quality Standard and shall have third party certification verifying quality assurance in design/development, production, installation, and service, in accordance with ISO 9001.
  2. The manufacturer of this equipment shall have produced similar equipment for a minimum period of 10 years. When requested, an acceptable list of installations with similar equipment shall be provided demonstrating compliance with this requirement.
- D. Operation and Maintenance Data: For each type of product to include in emergency, operation, and maintenance manuals. In addition to items specified in Division 01 Section "Operation and Maintenance Data," include the following:
1. Features and operating sequences, both automatic and manual.
  2. List of all factory settings of relays, timers and protective devices; provide setting and calibration instructions where applicable.
- E. Warranty documents demonstrating compliance with the project's contract requirements.

#### 1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: The equipment supplier shall maintain a service center capable of providing training, parts, maintenance and emergency repairs to equipment, including transfer switch generator sets and remote monitoring equipment (if applicable) at the site within a response period of less than (eight hours or appropriate time period designated for Project) from time of notification.
1. The transfer switch shall be serviced by technicians employed by, and specially trained and certified by, the generator set supplier and the supplier shall have a service organization that is factory-certified in both generator set and transfer switch service. The supplier shall maintain an inventory of critical replacement parts at the local service organization, and in-service vehicles. The service organization shall be on call 24 hours per day, 365 days per year.
  2. Submit names, experience level, training certifications, and locations for technicians that will be responsible for servicing equipment at this site.
  3. The manufacturer shall maintain model and serial number records of each transfer switch provided for at least 20 years.
- B. Source Limitations: All transfer switches are to be obtained through one source from a single manufacturer. The generator set manufacturer shall warrant transfer switches to provide a single source of responsibility for products provided.
- C. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked as

suitable for use in emergency, legally required or optional standby use as appropriate for the connected load.

- D. The automatic transfer switch installation and application shall conform to the requirements of the following codes and standards:
1. Transfer switches and enclosures shall be UL 1008 listed and labeled as suitable for use in emergency, legally required, and optional standby applications.
  2. CSA 282, Emergency Electrical Power Supply for Buildings, and CSA C22.2, No. 14-M91 Industrial Control Equipment
  3. NFPA 70, National Electrical Code. Equipment shall be suitable for use in systems in compliance with Articles 700, 701 and 702.
  4. Comply with NEMA ICS 10-1993 AC Automatic Transfer Switches
  5. IEEE 446 – Recommended Practice for Emergency and Standby Power Systems for Commercial and Industrial Applications
  6. EN55011, Class B Radiated Emissions and Class B Conducted Emissions
  7. IEC 1000-4-5 (EN 61000-4-5); AC Surge Immunity
  8. IEC 1000-4-4 (EN 61000-4-4) Fast Transients Immunity
  9. IEC 1000-4-2 (EN 61000-4-2) Electrostatic Discharge Immunity
  10. IEC 1000-4-3 (EN 61000-4-3) Radiated Field Immunity
  11. IEC 1000-4-6 Conducted Field Immunity
  12. IEC 1000-4-11 Voltage Dip Immunity
  13. IEEE 62.41, AC Voltage Surge Immunity
  14. IEEE 62.45, AC Voltage Surge Testing
- E. Comply with NFPA 99 – Essential Electrical Systems for Healthcare Facilities
- F. Comply with NFPA 110 – Emergency and Standby Power Systems. The transfer switch shall meet all requirements for Level 1 systems, regardless of the actual circuit level.
- G. The manufacturer shall warrant the material and workmanship of the transfer switch equipment for a minimum of one (1) year from registered commissioning and start-up, or eighteen (18) months from date of shipment.
- H. The warranty shall be comprehensive. No deductibles shall be allowed for travel time, service hours, repair parts cost, and etc. during the minimum noted warranty period described above.

## 1.5 PROJECT CONDITIONS

- A. Interruption of Existing Electrical Service: Do not interrupt electrical service to facilities occupied by Owner or others unless permitted under the following conditions and then only after arranging to provide temporary electrical service:
  - 1. Notify (Architect/Construction Manager/Owner) no fewer than (insert appropriate number) days in advance of proposed interruption of electrical service.
  - 2. Do not proceed with interruption of electrical service without (Architect/Construction Manager/Owner's) written permission.
  - 3. Do not energize any new service or distribution equipment without notification and permission of the (Architect/Construction Manager/Owner).

## 1.6 COORDINATION

- A. Size and location of concrete bases and anchor bolt inserts shall be coordinated. Concrete, reinforcement and formwork must meet the requirements specified in Division 03. See section "INSTALLATION" for additional information on installation

## PART 2 - PRODUCTS

### 2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
  - 1. Cummins Power Generation
- B. Equipment specifications for this Project are based on automatic transfer switches manufactured by Cummins Power Generation. Switches manufactured by other manufacturers that meet the requirement of this specification are acceptable, if approved not less than two weeks before scheduled bid date. Proposals must include a line-by-line compliance statement based on this specification.
- C. Transfer switches utilizing molded case circuit breakers do not meet the requirements of this specification and will not be accepted.

### 2.2 GENERAL TRANSFER-SWITCH PRODUCT REQUIREMENTS

- A. Provide transfer switches in the number and ratings that are shown on the drawings.
- B. Indicated Current Ratings: Apply as defined in UL 1008 for continuous loading and total system transfer.
- C. Fault-Current Closing and Withstand Ratings: UL 1008 WCR ratings must be specifically listed as meeting the requirements for use with protective devices at installation locations,



under specified fault conditions. Withstand and closing ratings shall be based on use of the same set of contacts for the withstand test and the closing test.

- D. Solid-State Controls: All settings should be accurate to +/- 2% or better over an operating temperature range of - 40 to + 60 degrees C (- 40 to + 140 degrees F).
- E. Resistance to Damage by Voltage Transients: Components shall meet or exceed voltage-surge withstand capability requirements when tested according to IEEE C62.41. Components shall meet or exceed voltage-impulse withstand test of NEMA ICS 1.
- F. Electrical Operation: Accomplished by a non-fused, momentarily energized solenoid or electric motor operator mechanism, mechanically and electrically interlocked in both directions (except that mechanical interlock is not required for closed transition switches).
- G. Switch Characteristics: Designed for continuous-duty repetitive transfer of full-rated current between active power sources.
  - 1. Switches using molded-case switches or circuit breakers, or insulated case circuit breaker components are not acceptable.
  - 2. Transfer switches shall be double-throw, electrically and mechanically interlocked, and mechanically held in the Source 1 and Source 2 positions.
  - 3. Main switch contacts shall be high pressure silver alloy. Contact assemblies shall have arc chutes for positive arc extinguishing. Arc chutes shall have insulating covers to prevent inter-phase flashover.
  - 4. Contacts shall be operated by a high-speed electrical mechanism that causes contacts to open or close within three electrical cycles from signal.
  - 5. Transfer switch shall be provided with flame retardant transparent covers to allow viewing of switch contact operation but prevent direct contact with components that could be operating at line voltage levels.
  - 6. The transfer switch shall include the mechanical and control provisions necessary to allow the device to be field-configured for operating speed. Transfer switch operation with motor loads shall be as is recommended in NEMA MG1.
    - a. Phase angle monitoring/timing equipment is not an acceptable substitute for this functionality
  - 7. Transfer switches designated on the drawings as "3-pole" shall have a full current-rated neutral bar with lugs.
- H. Factory wiring: Transfer switch internal wiring shall be composed of pre-manufactured harnesses that are permanently marked for source and destination. Harnesses shall be connected to the control system by means of locking disconnect plug(s), to allow the control system to

be easily disconnected and serviced without disconnecting power from the transfer switch mechanism

- I. Terminals: Terminals shall be pressure type and appropriate for all field wiring. Control wiring shall be equipped with suitable lugs, for connection to terminal strips.
- J. Enclosures: All enclosures shall be third-party certified for compliance to NEMA ICS 6 and UL 508, unless otherwise indicated:
  - 1. The enclosure shall provide wire bend space in compliance to the latest version of NFPA70, regardless of the direction from which the conduit enters the enclosure.
  - 2. Exterior cabinet doors shall provide complete protection for the system's internal components. Doors must have permanently mounted key-type latches. Bolted covers or doors are not acceptable.
  - 3. Transfer switches shall be provided in enclosures that are third party certified for their intended environment per NEMA requirements.

## 2.3 AUTOMATIC TRANSFER SWITCHES

- A. Comply with requirements for Level 1 equipment according to NFPA 110.
- B. Indicated current ratings:
  - 1. Refer to the Project drawings for specifications on the sizes and types of transfer switch equipment, withstand and closing ratings, number of poles, voltage and ampere ratings, enclosure type, and accessories.
  - 2. Main contacts shall be rated for 600 VAC minimum.
  - 3. Transfer switches shall be rated to carry 100% of rated current continuously in the enclosure supplied, in ambient temperatures of -40 to +60 degrees C (-40 to +140 degrees F), relative humidity up to 95% (non-condensing), and altitudes up to 10,000 feet (3000 meters).
- C. Relay Signal: Control shall include provisions for addition of a pre-transfer relay signal, adjustable from 0 to 60 seconds, to be provided if necessary for elevator operation, based on equipment provided for the project.
- D. Transfer switches that are designated on the drawings as 3-pole shall be provided with a neutral bus and lugs. The neutral bus shall be sized to carry 100% of the current designated on the switch rating.
- E. Automatic Transfer Switch Control Features
  - 1. The transfer switch control system shall be configurable in the field for any operating voltage level up to 600 VAC. Voltage sensing shall be monitored based on the normal

voltage at the site. Systems that utilize voltage monitoring based on standard voltage conditions that are not field configurable are not acceptable.

2. All transfer switch sensing shall be configurable from an operator panel or from a Windows XP or later PC-based service tool. Designs utilizing DIP switches or other electro-mechanical devices are not acceptable.
  3. The transfer switch shall provide a relay contact signal prior to transfer or re-transfer. The time period before and after transfer shall be adjustable in a range of 0 to 60 seconds.
  4. The control system shall be designed and prototype tested for operation in ambient temperatures from - 40 degrees C to + 60 degrees C (- 40 to +140 degrees F). It shall be designed and tested to comply with the requirements of the noted voltage and RFI/EMI standards.
  5. The control shall have optically isolated logic inputs, high isolation transformers for AC inputs and relays on all outputs, to provide optimum protection from line voltage surges, RFI and EMI.
  6. The transfer switch network monitoring equipment, when supplied, shall be provided with a battery-based auxiliary power supply to allow monitoring of the transfer switch when both AC power sources are non-operational.
  7. The indicator panel LEDs shall display:
    - a. Which source the load is connected to (Source 1 or Source 2)
    - b. Which source or sources are available
    - c. When switch is not set for automatic operation, the control is disabled
    - d. When the switch is in test/exercise mode
  8. The indicator shall have pushbuttons that allow the operator to activate the following functions:
    - a. Activate pre-programmed test sequence
    - b. Override programmed delays, and immediately go to the next operation
- F. Transfer Switch Control Panel: The transfer switch shall have a microprocessor-based control with a sealed membrane panel incorporating pushbuttons for operator-controlled functions, and LED lamps for system status indicators. Panel display and indicating lamps shall include permanent labels.
- G. Control Functions: Functions managed by the control shall include:

- a. Engine start (prevents nuisance genset starts in the event of momentary power fluctuation): 0 to 10 seconds (default 3 sec)
  - b. Transfer normal to emergency (allows genset to stabilize before load is transferred): 0 to 300 seconds (default 5 sec)
  - c. Re-transfer emergency to normal (allows utility to stabilize before load is transferred from genset): 0 to 30 minutes (default 10 min)
  - d. Engine cooldown: 0 to 30 minutes (default 10 min)
  - e. Programmed transition: 0 to 60 seconds (default 0 sec)
2. Under frequency sensing (emergency side):
    - a. Pickup: 90% of nominal frequency
    - b. Dropout: 85% of nominal frequency
- H. Control features shall include:
1. Programmable genset exerciser: A field-programmable control shall periodically start and run the generator with or without transferring the load for a preset time period, then re-transfer and shut down the generator after a preset cool-down period.
  2. In event of a loss of power to the control, all control settings and the engine start-time delay setting will be retained.
- I. Control Interface
1. Provide one set Form C auxiliary contacts on both sides, operated by transfer switch position, rated 10 amps 250 VAC.
- J. Engine Starting Contacts
1. One isolated and normally closed pair of contacts rated 8A at 30 VDC minimum.

## PART 3 - EXECUTION

### 3.1 INSTALLATION

- A. Design each fastener and support to carry load indicated by seismic requirements and according to seismic-restraint details. See Division 26 Section "Vibration and Seismic Controls for Electrical Systems."
- B. Floor-Mounting Switch: Anchor to floor by bolting.

1. Floor-mounted transfer switches (except drawout switches supported by wheeled carriages, which must be rolled out at floor level) shall be mounted on concrete bases complying with the following requirements:
  - a. Concrete Bases: 4 inches (100 mm) high, reinforced, with chamfered edges. Extend base no more than 4 inches (100 mm) in all directions beyond the maximum dimensions of switch, unless otherwise indicated or unless required for seismic support. Construct concrete bases according to Division 26 Section "Hangers and Supports for Electrical Systems."
  - C. Annunciator Panel Mounting: Flush in wall, unless otherwise indicated.
  - D. Identify components according to Division 26 Section "Identification for Electrical Systems."
  - E. Set field-adjustable intervals and delays, relays, and engine exerciser clock.

### 3.2 CONNECTIONS

- A. Wiring to Remote Components: Match type and number of cables and conductors to control and communication requirements of transfer switches as recommended by manufacturer. Increase raceway sizes at no additional cost to Owner if necessary to accommodate required wiring.
- B. Field control connections shall be made on a common terminal block that is clearly and permanently labeled.
- C. Transfer switch shall be provided with AL/CU mechanical lugs sized to accept the full output rating of the switch. Lugs shall be suitable for the number and size of conductors shown on the drawings.
- D. Ground equipment according to Division 26 Section "Grounding and Bonding for Electrical Systems."
- E. Connect wiring according to Division 26 Section "Low-Voltage Electrical Power Conductors and Cables."

### 3.3 SOURCE QUALITY CONTROL

- A. Prior to shipping, factory shall test and inspect components, assembled switches, and associated equipment to ensure proper operation.
- B. Factory shall check transfer time and voltage, frequency, and time-delay settings for compliance with specified requirements.
- C. Factory shall perform dielectric strength test complying with NEMA ICS 1.

### 3.4 FIELD QUALITY CONTROL

- A. Manufacturer's Field Service: The supplier of the transfer switch(es) and associated equipment shall inspect, test, and adjust components, assemblies, and equipment installations, including connections, and report results in writing.
- B. Manufacturer's representative shall perform tests and inspections and prepare test reports.
- C. After installing equipment and after electrical circuitry has been energized, installer shall test for compliance with requirements.
  - 1. Perform recommended installation tests as recommended in manufacturer's installation and service manuals.
  - 2. After energizing circuits, demonstrate interlocking sequence and operational function for each switch.
    - a. Simulate power failures of normal source to automatic transfer switches and of emergency source with normal source available.
    - b. Verify time-delay settings.
    - c. Verify proper sequence and correct timing of automatic engine starting, transfer time delay, retransfer time delay on restoration of normal power, and engine cool-down and shutdown.

### 3.5 DEMONSTRATION

- A. After generator set installation, the generator and transfer switch supplier shall conduct a complete operation, basic maintenance, and emergency service seminar covering generator set and transfer switch equipment, for up to 10 people employed by the Owner.
  - 1. The seminar shall include instruction on operation of the transfer equipment, normal testing and exercise, adjustments to the control system, and emergency operation procedures.
  - 2. The class duration shall be at least 8 hours in length and include practical operation with the installed equipment.

END OF SECTION 263613

**NOTES**

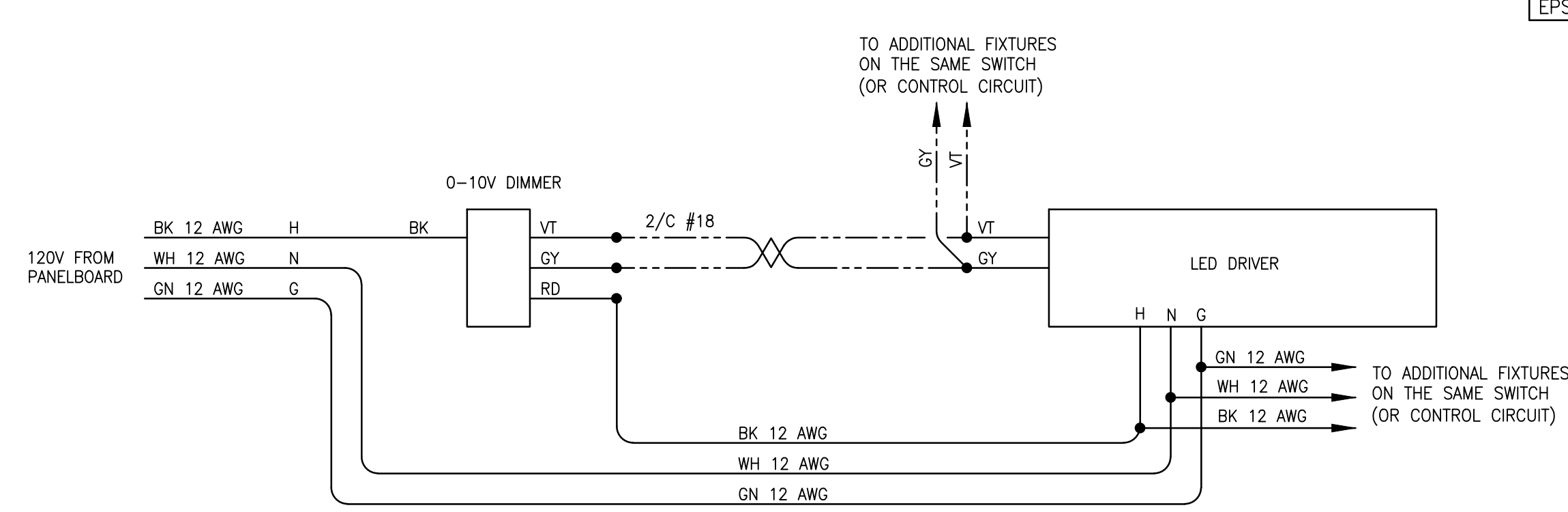
- ALL LIGHT FIXTURES SHALL BE SUPPORTED INDEPENDENTLY OF THE CEILING SYSTEM. 2x4 TROFFERS SHALL BE SUPPORTED WITH CABLE FROM ALL FOUR CORNERS.
- FOR HOME RUNS ON 20 AMP CIRCUITS EXCEEDING SEVENTY FIVE (75) FEET FROM THE PANEL BOARD, USE #10 AWG MIN.
- ALL MOUNTING HEIGHTS ARE GIVEN TO THE BOTTOM OF THE DEVICE UNLESS NOTED OTHERWISE.
- THE LOCATION OF ALL WALL MOUNTED DEVICES, INCLUDING MOUNTING HEIGHTS, SHALL BE FIELD VERIFIED WITH THE ARCHITECT PRIOR TO INSTALLATION.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY DISCONNECTS, SWITCHES AND RECEPTACLES UNDER THE ELECTRICAL BID AND SHALL INCLUDE ALL NECESSARY CIRCUITS AND FINAL CONNECTIONS TO THE EQUIPMENT PROVIDED BY ALL SUPPLIERS, UNLESS NOTED OTHERWISE BY OTHER DISCIPLINES.
- ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED SO THAT ALL CODE REQUIRED AND MANUFACTURER RECOMMENDED SERVICING CLEARANCES ARE MAINTAINED.
- BIDDING CONTRACTORS MUST VISIT THE SITE, REVIEW ALL CONSTRUCTION DOCUMENTS, AND OBTAIN WRITTEN COPIES OF ALL REFERENCED CODES AND ORDINANCES PRIOR TO SUBMITTING BIDS. NO ALLOWANCE WILL BE MADE FOR ADVERSE CONDITIONS WHICH WERE ASCERTAINABLE PRIOR TO BID TIME.
- GROUND TELEPHONE EQUIPMENT TO THE ELECTRICAL SERVICE GROUNDING SYSTEM PER N.E.C.
- ALL CIRCUIT BREAKERS IN PANEL SHALL BE FULLY RATED
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE AND VERIFY THE ELECTRICAL SERVICE ARRANGEMENTS WITH THE LOCAL POWER COMPANY AND WITH OWNER SUPPLIED SITE PLAN. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY EQUIPMENT FOR A COMPLETE INSTALLATION.
- CIRCUIT BREAKERS SHALL BE RATED TO WITHSTAND THE MAXIMUM AVAILABLE FAULT CURRENT AT THE SITE AS DETERMINED BY THE LOCAL UTILITY. E.G. SHALL COORDINATE WITH LOCAL UTILITY BEFORE STARTING WORK.
- ALL BUILDING SYSTEM GROUND RODS SHALL BE BONDED TOGETHER TO FORM A SINGLE GROUNDING SYSTEM. GROUNDING SYSTEM SHALL COMPLY WITH N.E.C. ARTICLE 250.
- THE WORD "PROVIDE" MEANS FURNISH AND INSTALL.
- MC CABLE IS ALLOWED AS A VE ALTERNATE.
- THE ELECTRICAL CONTRACTOR SHALL OBTAIN AND REVIEW THE MECHANICAL AND SPECIAL EQUIPMENT SUBMITTALS PRIOR TO SUBMITTING THE ELECTRICAL SUBMITTALS. ANY ELECTRICAL EQUIPMENT, CONDUIT, AND WIRE SIZE CHANGES RESULTING FROM THIS REVIEW SHALL ALSO BE SUBMITTED FOR APPROVAL.
- ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL FITTINGS AND NECESSARY EQUIPMENT FOR LIGHT FIXTURE MOUNTING, AND INSTALLATION.
- ALL FIRE BARRIER PENETRATIONS SHALL BE SEALED WITH APPROVED FIRE SEALANT. COORDINATE WITH ARCHITECTURAL PLANS FOR ALL RATED WALLS AND CEILINGS PRIOR TO BID SO AN UNDERSTANDING OF NUMBER OF SEALS REQUIRED, AND DETERMINE METHOD FOR MINIMIZING THE SEAL REQUIREMENTS.

**LEGEND**

- Ⓛ SPECIFICATION GRADE DUPLEX RECEPTACLE, GRAY COLOR, - 20 AMP, 125V, TAMPER PROOF HEAVY DUTY, MTD. @ 16" A.F.F. UNLESS NOTED, WITH BRUSHED STAINLESS STEEL FACEPLATE.
- ⓁU SPECIFICATION GRADE DUPLEX RECEPTACLE, GRAY COLOR, - 20 AMP, 125V, TAMPER PROOF, WITH USB CHARGING PORTS, MTD. @ 16" A.F.F. UNLESS NOTED, WITH BRUSHED STAINLESS STEEL FACEPLATE.
- ⓁWP SPECIFICATION GRADE WEATHER RESISTANT, GRAY COLOR, DUPLEX RECEPTACLE - TAMPER PROOF WITH GROUND FAULT INTERRUPT, MTD. @ 16" A.F.F. UNLESS NOTED, WITH WEATHER-PROOF IN USE COVER.
- ⓁG SPECIFICATION GRADE, GRAY COLOR, DUPLEX RECEPTACLE - TAMPER PROOF WITH GROUND FAULT INTERRUPT, MTD. @ 16" A.F.F. UNLESS NOTED, WITH BRUSHED STAINLESS STEEL FACEPLATE.
- ⓁC▲ "C" INDICATES DEVICE MOUNTED @ 2" ABOVE BACKSPASH UNLESS NOTED. COORDINATE IN FIELD.
- ⓁD SPECIFICATION GRADE, GRAY COLOR, DUPLEX RECEPTACLE - 20 AMP, 125V, TAMPER PROOF HEAVY DUTY. MTD. IN FLOOR BOX, WITH BRASS COVERPLATE.
- ⓁXXX 240V SIMPLEX RECEPTACLE, GRAY COLOR, MTD. AS REQUIRED BY EQUIPMENT BEING SERVED, COORDINATE IN FIELD, WITH BRUSHED STAINLESS STEEL FACEPLATE. AMPERAGE AS NOTED.
- ⓁS SPECIFICATION GRADE 20A-1P TOGGLE SWITCH, HEAVY DUTY, GRAY COLOR, MOUNTED @ 48" A.F.F. W/BRUSHED STAINLESS STEEL FACEPLATE.
- Ⓛ3 SPECIFICATION GRADE 20 AMP THREE WAY TOGGLE SWITCH, HEAVY DUTY, GRAY COLOR, MOUNTED @ 48" A.F.F. W/BRUSHED STAINLESS STEEL FACEPLATE.
- ⓁD SPECIFICATION GRADE 0-10V LED DIMMER SWITCH GRAY COLOR, MOUNTED @ 48" A.F.F. W/BRUSHED STAINLESS STEEL FACEPLATE.
- ⓁOD SPECIFICATION GRADE 0-10V LED DIMMER/OCCUPANCY SWITCH GRAY COLOR, MOUNTED @ 48" A.F.F. W/BRUSHED STAINLESS STEEL FACEPLATE, LUTRON MASTRO OR EQUAL.
- ⓁO SPECIFICATION GRADE WALL MOUNTED OCCUPANCY SWITCH GRAY COLOR, MOUNTED @ 48" A.F.F. W/BRUSHED STAINLESS STEEL FACEPLATE. STEINEL DT WLS 1W U22.
- ⓁM 120V, 20AMP MOTOR RATED TOGGLE SWITCH, WITH LOCKING DEVICE.
- ▲ VOICE/DATA OUTLET, GRAY COLOR, MOUNTED @ 16" A.F.F. WITH BRUSHED STAINLESS STEEL FACEPLATE. MTD. @ 16" A.F.F. UNLESS NOTED. RUN (2) CAT 6 CABLES FROM OUTLET TO AV/DATA ROOM.
- ▲W WALL MOUNTED VOICE OUTLET, GRAY COLOR, MOUNTED @ 54" A.F.F. WITH BRUSHED STAINLESS STEEL FACEPLATE. MTD. @ 16" A.F.F. UNLESS NOTED. RUN (2) CAT 6 CABLES FROM OUTLET TO AV/DATA ROOM.
- ▲ VOICE/DATA OUTLET, GRAY COLOR, FLOOR MOUNTED. WITH BRUSHED STAINLESS STEEL FACEPLATE. RUN (2) CAT 6 CABLES FROM OUTLET TO AV/DATA ROOM.
- ⓁTV CABLE TV OUTLET, GRAY COLOR, BOX MTD. @ 16" A.F.F. UNLESS NOTED. FLUSH MOUNTED 1 GANG WALL BOX. CONTRACTOR TO RUN CO-AX FROM OUTLET TO AV/DATA ROOM.
- ▲ COMPUTER DATA OUTLET, GRAY COLOR, BOX MTD @ 16" A.F.F. UNLESS NOTED FLUSH MOUNTED 1 GANG WALL BOX. CONTRACTOR TO RUN (2) CAT 6 CABLES FROM OUTLET TO AV/DATA ROOM.
- Ⓛ EXHAUST FAN
- ⓁJ JUNCTION BOX LOCATION MOUNTED AS NOTED ON DRAWING, SIZED AS REQUIRED BY EQUIPMENT BEING SERVED.
- Ⓛ DISCONNECT SWITCH, SIZE AND TYPE AS NOTED.
- Ⓛ HOME RUN CONDUIT, CIRCUIT NUMBER AS INDICATED ON DRAWINGS, HASHMARKS INDICATE HOT NEUTRAL AND GROUND.
- CONDUIT RUN IN FLOOR OR SLAB.
- CONDUIT RUN IN WALLS OR CEILING.
- ⓁFC FAN CONTROLLER
- Ⓛ CEILING FAN COLORS TO BE 2 CUSTOM COLORS 1 STANDARD COLOR. COLORS LOCATIONS ON FAN TO BE DETERMINED BY ARCHITECT.

**NOTE:**

- ALL DEVICE COLORS SHALL BE GRAY.
- ALL FACEPLATES TO BRUSHED STAINLESS STEEL.



**WALL SWITCH/SENSOR WITH 0-10V DIMMING WIRING DIAGRAM**  
SCALE: NONE

- ⓁVD LOW VOLTAGE DIMMER CONTROLLER STEINEL LV1-U22(FINISH).
- ⓁV LOW VOLTAGE CONTROLLER STEINEL LV1-U22 (FINISH).
- ⓁOC DUAL TECHNOLOGY WALL OCCUPANCY SWITCH, STEINEL DT-WLS1-U22.
- ⓁCS CEILING MOUNTED OCCUPANCY STEINEL DT QUATRO-COM-24-U22.
- LOW VOLTAGE WIRING. SEE MANUFACTURER DRAWINGS FOR MORE INFORMATION.
- ⓁPP POWER PACK STEINEL TR-100-U22.
- ⓁPP2 TWO POLE POWER PACK .
- ⓁSD CEILING MOUNTED SMOKE DETECTOR
- ⓁSD AIR DUCT SMOKE DETECTOR, W/EXTRA SET OF CONTACTS S-SUPPLY, R-RETURN
- ⓁWP HORN STROBE WEATHER PROOF
- ⓁH HORN STROBE 15cd UNLESS OTHERWISE NOTED
- ⓁS STROBE 15cd UNLESS OTHERWISE NOTED
- ⓁHORN CEILING HORN STROBE 15cd UNLESS OTHERWISE NOTED
- ⓁCS CEILING STROBE 15cd UNLESS OTHERWISE NOTED
- ⓁF FLUSH MOUNTED PULL STATION
- ⓁRM ENCLOSED RELAY MODULE
- ⓁWF WATER FLOW SWITCH
- ⓁSS SURGE SUPPRESSOR
- ⓁTS TAMPER SWITCH
- ⓁFACP FIRE ALARM CONTROL PANEL
- ⓁANN FIRE ALARM REMOTE ANNUNCIATOR (COORDINATE EXACT LOCATION W/OWNER, MUST BE IN A CONSTANTLY ATTENDED LOCATION)
- ⓁFCPS FIELD CHARGING POWER SUPPLY
- ⓁK KITCHEN HOOD SYSTEM
- ⓁKNOX-KNOX-BOX SUPERVISED BY F.A. SYSTEM
- Ⓛ24V 24V WATERFLOW BELL
- Ⓛ20A 20A, 240V SIMPLEX RECEPTACLE, MOUNTED AS REQUIRED BY EQUIPMENT BEING SERVED, WITH BRUSHED STAINLESS STEEL FACEPLATE.
- Ⓛ30A 30A, 240V SIMPLEX RECEPTACLE, MOUNTED AS REQUIRED BY EQUIPMENT BEING SERVED, WITH BRUSHED STAINLESS STEEL FACEPLATE.
- ⓁE SECURITY CAMERA WITH EXPOSED CONDUIT AND JUNCTION BOX SURFACE MOUNTED, POE (POWER OVER ETHERNET) RUN 3/4" C. WITH (1) CAT 6 CABLE FROM CAMERA TO AV/DATA ROOM. MOUNT CAMERA AT 11'-6" AFF, UNLESS NOTED OTHERWISE. ALL CONDUIT TO CONCEALED, NO EXPOSED CONDUIT ALLOWED.
- ⓁC SECURITY CAMERA WITH CONCEALED CONDUIT AND JUNCTION BOX SURFACE MOUNTED, POE (POWER OVER ETHERNET) RUN 3/4" C. WITH (1) CAT 6 CABLE FROM CAMERA TO AV/DATA ROOM. MOUNT CAMERA AT 19'-0" AFF, UNLESS NOTED OTHERWISE. ALL CONDUIT TO CONCEALED, NO EXPOSED CONDUIT ALLOWED.
- ⓁT SECURITY CAMERA SURFACE MOUNTED TO CEILING TILE, POE (POWER OVER ETHERNET) RUN 3/4" C. WITH (1) CAT 6 CABLE FROM CAMERA TO AV/DATA ROOM. ALL CONDUIT TO CONCEALED, NO EXPOSED CONDUIT ALLOWED.
- Ⓛ SPECIFICATION GRADE DUPLEX RECEPTACLE - 20 AMP, 125V, TAMPER PROOF HEAVY DUTY, MTD. IN FLOOR BOX, WITH BRASS COVERPLATE.
- Ⓛ SPECIFICATION GRADE DOUBLE DUPLEX RECEPTACLE - 20 AMP, 125V, TAMPER PROOF HEAVY DUTY, MTD. IN FLOOR BOX, WITH BRASS COVERPLATE.
- ⓁWAP WIRELESS ACCESS POINT, WALL MOUNTED AT 11'-4". POE (POWER OVER ETHERNET) RUN (1) CAT 6 CABLE FROM WAP TO AV/DATA ROOM.
- ⓁWAP2 WIRELESS ACCESS POINT, SURFACE MOUNTED AT 8'-6". POE (POWER OVER ETHERNET) RUN (1) CAT 6 CABLE FROM WAP TO AV/DATA ROOM.
- ⓁTV CABLE TV OUTLET WITH COAX CABLE BACK TO TELEPHONE BACKBOARD.
- ⓁCR ACCESS CONTROL, CARD READER 48" AFF. POE (POWER OVER ETHERNET) RUN (1) CAT 6 CABLE FROM WAP TO AV/DATA ROOM.
- ⓁEPS EMERGENCY PULL STATION, PROVIDE (1) DOUBLE GANG BOX WITH 3/4" CONDUIT TO JUNCTION BOX AT CHECK IN DESK.

- ⓁWH SAUNA WALL HEATER.
- ⓁAIC-P AUDIO INPUT CONTROLLER STATION AND PAGING MICROPHONE, INCLUDING AUX., USB, BLUETOOTH, AND CD INPUT. PROVIDE (1) SINGLE GANG AND (5) DOUBLE GANG BOX WITH 1" CONDUIT TO EQUIPMENT "R1" IN A/V DATA ROOM.
- ⓁAIC AUDIO INPUT CONTROLLER STATION, INCLUDING AUX., USB, BLUETOOTH, AND CD INPUT. PROVIDE (1) SINGLE GANG AND (1) DOUBLE GANG BOX WITH 1" CONDUIT TO EQUIPMENT "R1" IN A/V DATA ROOM.
- ⓁSP-IC TWO-WAY INTERCOM SPEAKER SYSTEM AND PUSHBUTTON ENTRY PANEL, ONE IN VESTIBULE, AND ONE AT CHECK IN DESK FOR ACCESS ENTRY.
- ⓁSP WATER PROOF SPEAKER WALL MOUNTED, COLOR CHOSEN BY ARCHITECT MOUNTED AT 8'-0" AFF. BOGEN A2T.
- ⓁSP 12" DIAMETER CEILING MOUNTED SPEAKER MOUNTED IN GRID. BOSE DM5C.
- ⓁSUB 16" DIAMETER CEILING MOUNTED SUB SPEAKER MOUNTED IN GRID. BOSE DM8C.
- ⓁSUB 16" DIAMETER CEILING MOUNTED SUB SPEAKER MOUNTED IN GRID. BOSE DM8C.
- ⓁP PENDANT MOUNTED. BOSE FREESPACE 3 SERIES II.
- ⓁR1 A/V EQUIPMENT RACK. (2) EACH LOWELL LWR-1228.



**ORANGE BEACH RECREATION COMPLEX NEW ADULT FITNESS CENTER**



CITY OF ORANGE BEACH ; ORANGE BEACH, AL

**DAVIS**

**OWNER**  
CITY OF ORANGE BEACH  
PO BOX 458  
ORANGE BEACH, ALABAMA 36561  
251-981-6972  
ATTN: KEN GRIMES, JR.

**ASSOCIATE ARCHITECT**  
MCCOLLOUGH ARCHITECTURE  
4790 MAIN ST #209  
ORANGE BEACH, AL 36561  
251-988-7222  
ATTN: STED MCCOLLOUGH

**ARCHITECT**  
DAVIS ARCHITECTS, INC.  
132 23RD STREET SOUTH  
BIRMINGHAM, AL 35233  
205-322-7482  
ATTN: JIM HARTSELL / JEFFREY MENASCO

**CIVIL ENGINEER**  
SAWGRASS CONSULTING, LLC  
11143 OLD HIGHWAY 31  
SPANISH FORT, AL 36527  
251-844-7900  
ATTN: ERIC E. GODWIN / DOUG CHAFFIN

**STRUCTURAL ENGINEER**  
MBA ENGINEERS  
300 20TH ST, N, SUITE 100  
BIRMINGHAM, AL 35203  
205-323-6385  
ATTN: KEITH OWENS / MARK BOGER

**MECHANICAL / PLUMBING ENGINEER**  
GULF STATES ENGINEERING  
600 AZALEA ROAD,  
MOBILE, AL 36609  
251-460-4646  
ATTN: CHRIS DEARMON / VAN SIMPSON

**FIRE PROTECTION ENGINEER**  
GULF STATES ENGINEERING  
600 AZALEA ROAD,  
MOBILE, AL 36609  
251-460-4646  
ATTN: TOM WADE / BRIAN DOVE

**ELECTRICAL ENGINEER**  
GULF STATES ENGINEERING  
600 AZALEA ROAD,  
MOBILE, AL 36609  
251-460-4646  
ATTN: JERRY ONWU / SID SNYDER

REV	DATE	DESCRIPTION
1	03/13/20	ADDENDUM 2

DATE	DESCRIPTION
02-14-2020	
100% BID DOCUMENTS	
3981.02	

ELECTRICAL LEGENDS, NOTES, SCHEDULES

DRAWING NO.

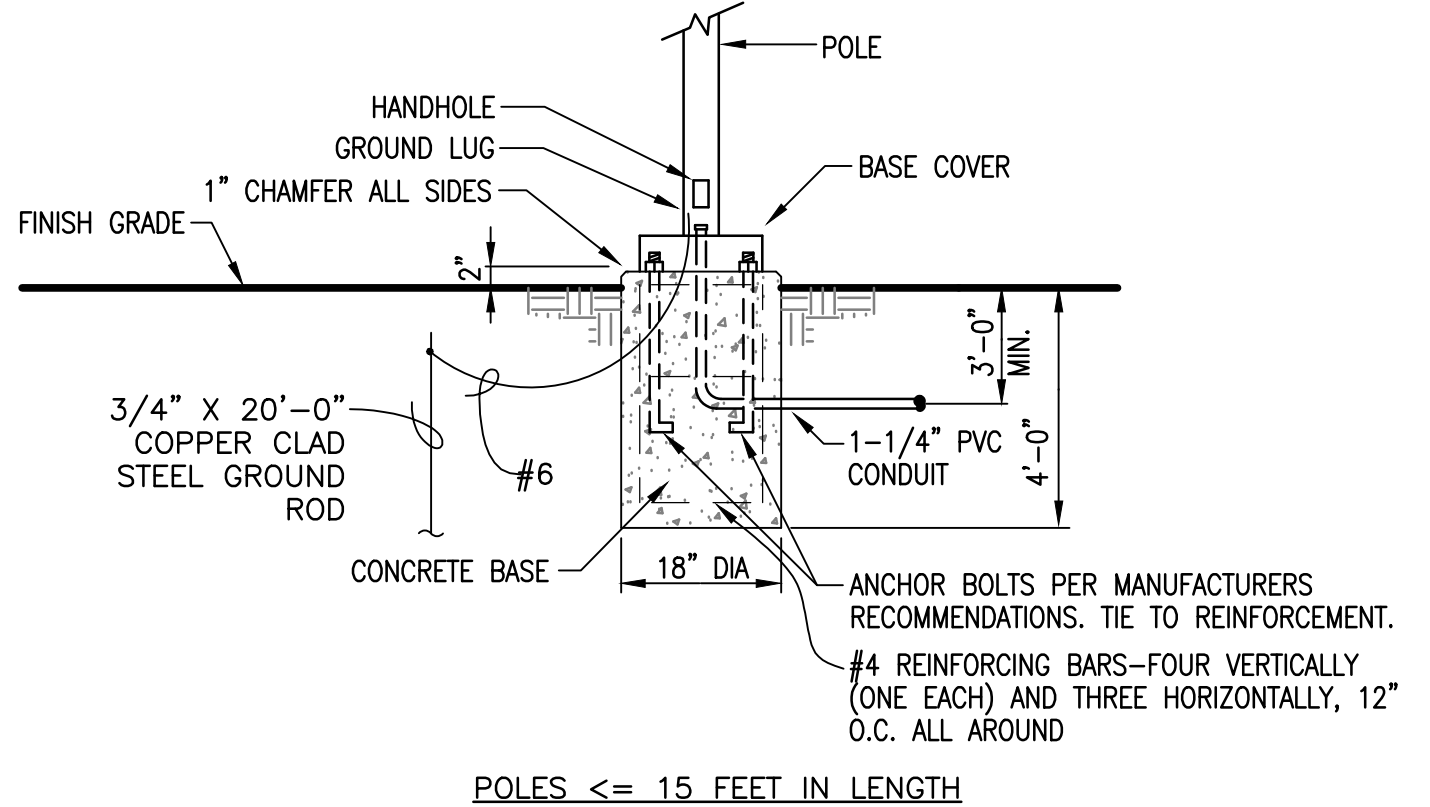
**E100**

**E100 ELECTRICAL LEGENDS, NOTES, SCHEDULES**

SCALE: NONE

**KEY NOTES**

- 1 COORDINATE EXACT LOCATION OF C.T. METER WITH BALDWIN EMC.
- 2 PRIMARY CONDUITS, SEE RISER DIAGRAM E400. COORDINATE WITH BALDWIN EMC IN FIELD.
- 3 SECONDARY CONDUITS, SEE RISER DIAGRAM E400.
- 4 GRINDER PUMP CONTROL PANEL WITH INTERNAL DISCONNECTING MEANS WITH LOCK DEVICE. PROVIDE DISCONNECT IF NO INTERNAL DISCONNECTING MEANS IS PRESENT.
- 5 SEE ELECTRICAL EQUIPMENT SCHEDULE E102 FOR EQUIPMENT BRANCH CIRCUIT CHARACTERISTICS, BREAKER SIZE, CIRCUIT NUMBER, CONDUCTOR SIZE, WIRE SIZE, DISCONNECT SIZE AND RATING.
- 6 NEW DECORATIVE LIGHT POLE, CONNECT TO EXISTING LIGHT POLE WHERE SHOWN.
- 7 CONNECT NEW LIGHT TO THIS POLE. INSURE NO EXPOSED CONDUIT, JUNCTION BOXES OR FITTINGS ARE USED. PROVIDE NEW POLE CONCRETE BASE IF REQUIRED.
- 8 SPARE CONDUITS FOR FUTURE GENERATOR POWER CONDUCTORS, SEE RISER DIAGRAM STUB 5'-0" OUTSIDE OF BUILDING AND CAP. PERMANENTLY MARK LOCATION, AND PROTECT FROM POTENTIAL DAMAGE.
- 9 SPARE CONDUITS FOR FUTURE GENERATOR CONTROL WIRING, SEE RISER DIAGRAM STUB 5'-0" OUTSIDE OF BUILDING AND CAP. PERMANENTLY MARK LOCATION, AND PROTECT FROM POTENTIAL DAMAGE.



**E1 E101**  
POLE BASE DETAIL  
1" = 1'-0"

**POLE BASE GENERAL NOTES:**

1. THE CONTRACTOR IS TO FIELD VERIFY ALL DIMENSIONS, ELEVATIONS, AND CONDITIONS PRIOR TO INSTALLATION.
2. THE STRUCTURAL DRAWINGS HEREIN REPRESENT THE FINISHED STRUCTURE. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY BRACING AND SUPPORTS REQUIRED TO ERECT AND HOLD THE SOIL AND STRUCTURE IN PROPER ALIGNMENT UNTIL ALL STRUCTURAL WORK, CURING, CONNECTIONS, ETC. HAVE BEEN COMPLETED. THE INVESTIGATION, DESIGN, SAFETY, ADEQUACY, AND INSPECTION OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

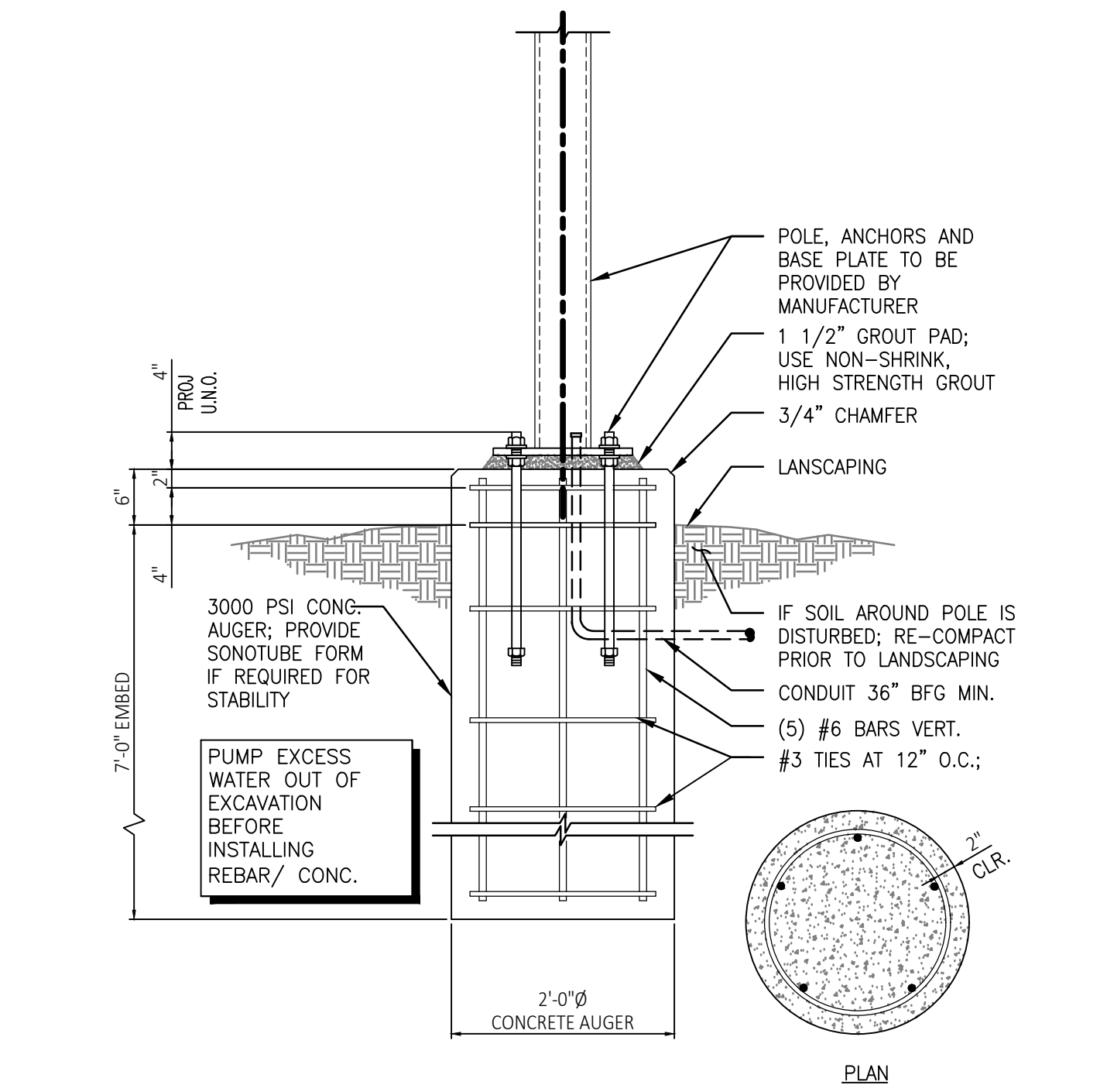
**DESIGN LOADS:**

BUILDING CODES: 2015 IBC  
AC1318-11  
ASCE 7-10

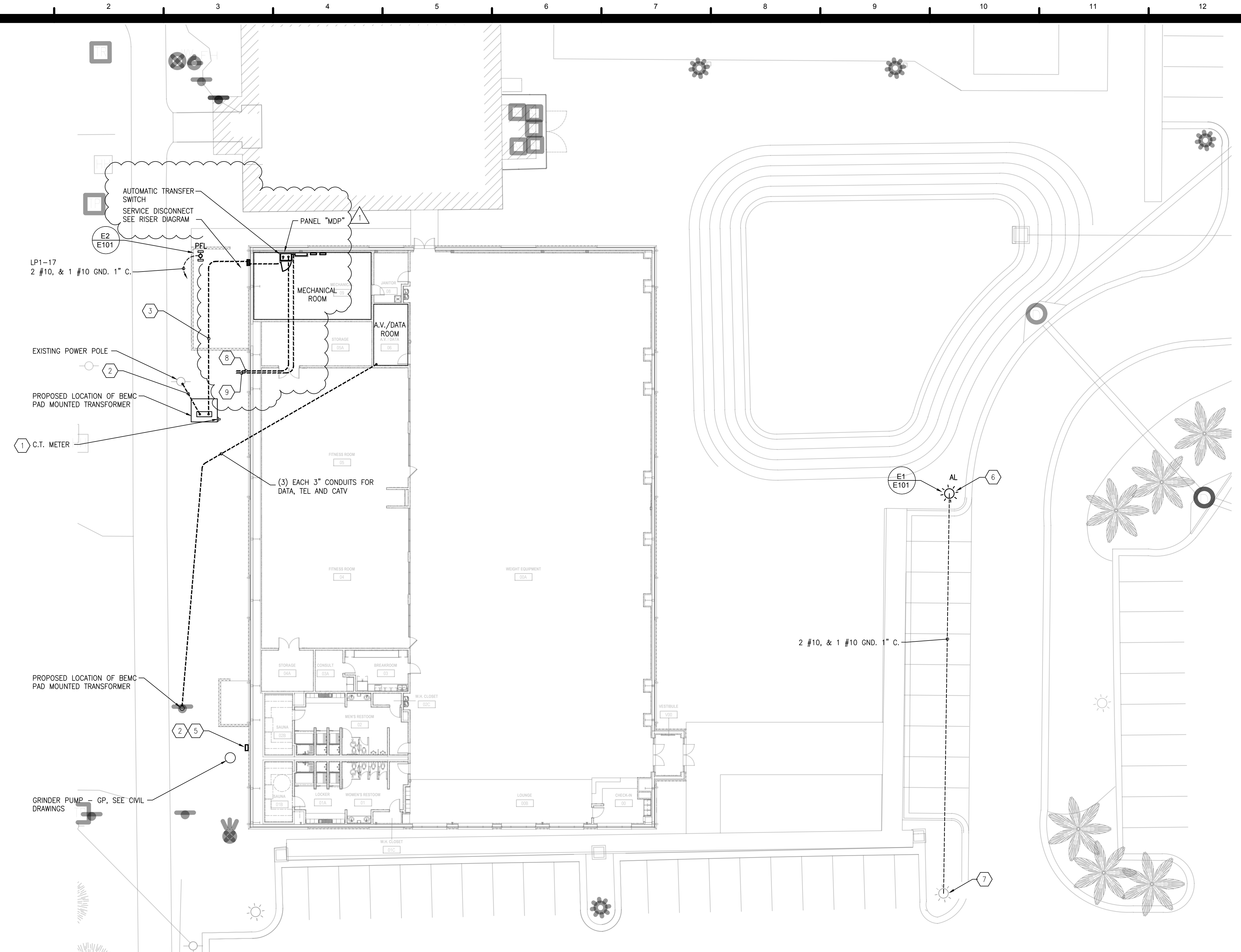
WIND LOADS: 115 MPH  
EXPOSURE C

**GENERAL CONCRETE NOTES**

ALL CONCRETE NOT SPECIFICALLY NOTED = 3000 PSI AT 28 DAYS  
DUSTING WITH ANY MATERIAL TO ABSORB SURFACE WATER IS PROHIBITED.  
EXPOSED VERTICAL SURFACES SHALL HAVE ALL TIE HOLES AND SURFACE IMPERFECTIONS CORRECTED WITH MORTAR.  
PROVIDE 3/4" CHAMFER OR RADIUS ON ALL EXPOSED CORNERS.



**E2 E101**  
POLE BASE DETAIL  
3/4" = 1'-0"



**ORANGE BEACH RECREATION  
COMPLEX NEW ADULT  
FITNESS CENTER**



CITY OF ORANGE BEACH ;  
ORANGE BEACH, AL

**DAVIS**

**OWNER**  
CITY OF ORANGE BEACH  
PO BOX 458  
ORANGE BEACH, ALABAMA 36561  
251-981-6972  
ATTN: KEN GRIMES, JR.

**ASSOCIATE ARCHITECT**  
MCCOLLOUGH ARCHITECTURE  
4790 MAIN ST #209  
ORANGE BEACH, AL 36561  
251-968-7222  
ATTN: STED MCCOLLOUGH

**ARCHITECT**  
DAVIS ARCHITECTS, INC.  
132 23RD STREET SOUTH  
BIRMINGHAM, AL 35233  
205-322-7482  
ATTN: JIMI HARTSELL / JEFFREY MENASCO

**CIVIL ENGINEER**  
SAWGRASS CONSULTING, LLC  
11143 OLD HIGHWAY 31  
SPANISH FORT, AL 36527  
251-844-7900  
ATTN: ERIC E. GODWIN / DOUG CHAFFIN

**STRUCTURAL ENGINEER**  
MBA ENGINEERS  
300 20TH ST. N. SUITE 100  
BIRMINGHAM, AL 35203  
205-323-6385  
ATTN: KEITH OWENS / MARK BOGER

**MECHANICAL / PLUMBING ENGINEER**  
GULF STATES ENGINEERING  
600 AZALEA ROAD,  
MOBILE, AL 36609  
251-460-4646  
ATTN: CHRIS DEARMON / VAN SIMPSON

**FIRE PROTECTION ENGINEER**  
GULF STATES ENGINEERING  
600 AZALEA ROAD,  
MOBILE, AL 36609  
251-460-4646  
ATTN: TOM WADE / BRIAN DOVE

**ELECTRICAL ENGINEER**  
GULF STATES ENGINEERING  
600 AZALEA ROAD,  
MOBILE, AL 36609  
251-460-4646  
ATTN: JERRY ONWU / SID SNYDER

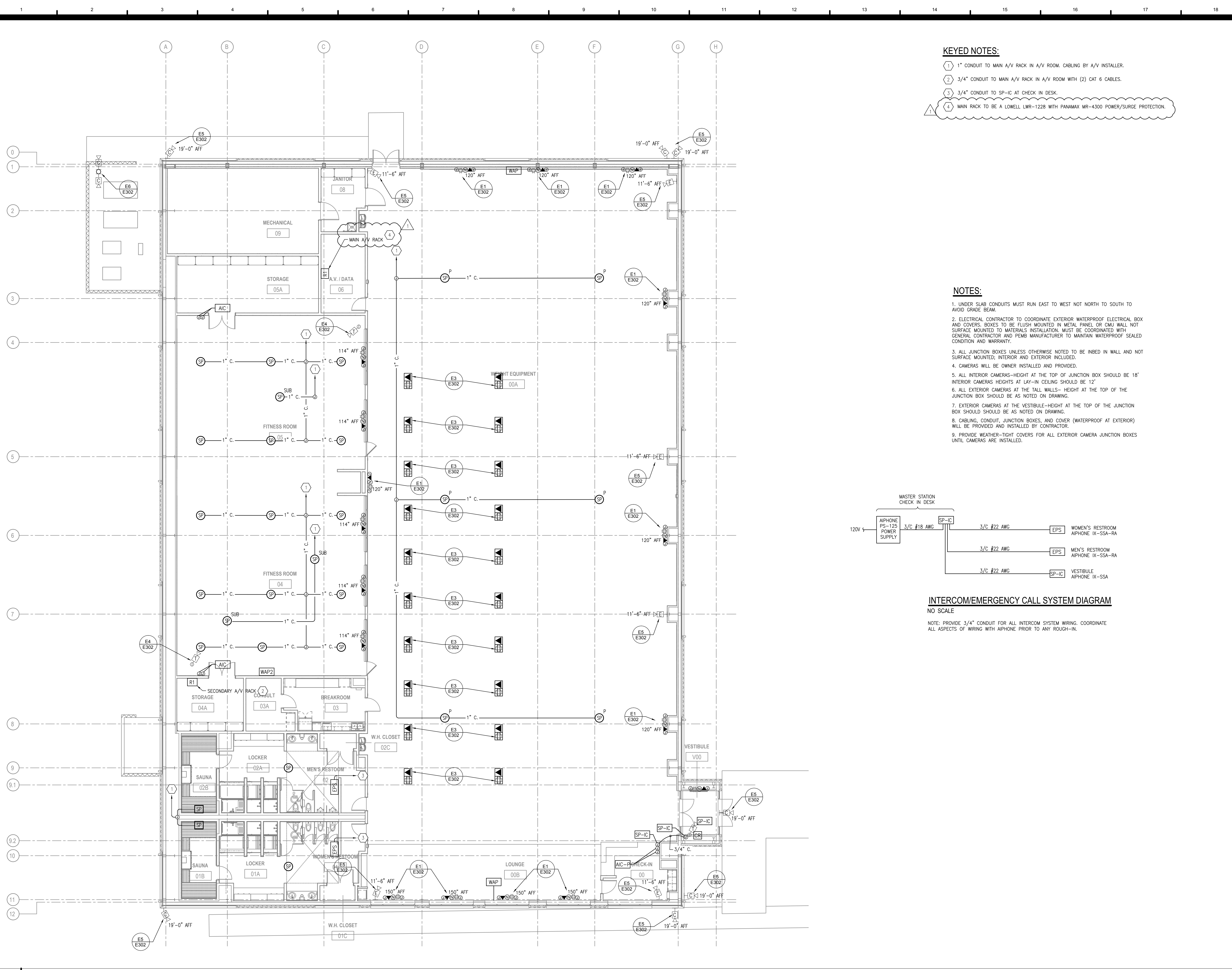
REV	DATE	DESCRIPTION
1	03/13/20	ADDENDUM 2

DATE	02-14-2020
PRICE	100% BID DOCUMENTS
DRAWN BY	DAVIS ARCHITECTS
PROJECT NO.	3981.02

SHEET TITLE  
**ELECTRICAL SITE PLAN**

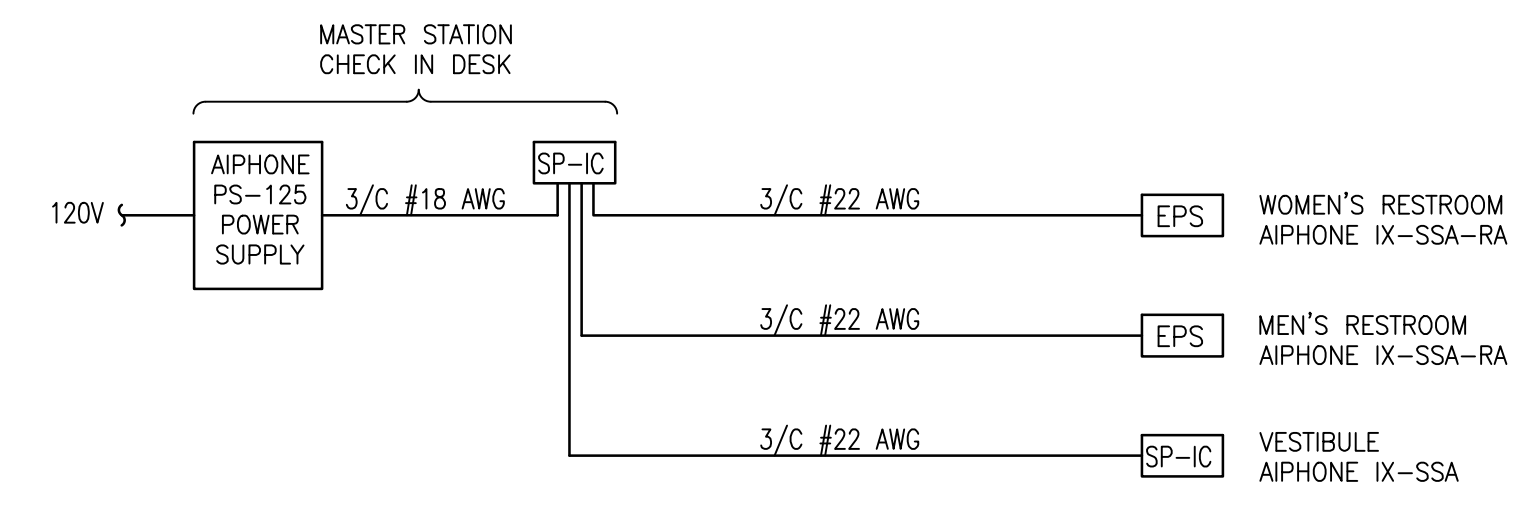
DRAWING NO.  
**E101**





- KEYED NOTES:**
- 1" CONDUIT TO MAIN A/V RACK IN A/V ROOM. CABLING BY A/V INSTALLER.
  - 3/4" CONDUIT TO MAIN A/V RACK IN A/V ROOM WITH (2) CAT 6 CABLES.
  - 3/4" CONDUIT TO SP-IC AT CHECK IN DESK.
  - MAIN RACK TO BE A LOWELL LWR-1228 WITH PANAMAX MR-4300 POWER/SURGE PROTECTION.

- NOTES:**
1. UNDER SLAB CONDUITS MUST RUN EAST TO WEST NOT NORTH TO SOUTH TO AVOID GRADE BEAM.
  2. ELECTRICAL CONTRACTOR TO COORDINATE EXTERIOR WATERPROOF ELECTRICAL BOX AND COVERS. BOXES TO BE FLUSH MOUNTED IN METAL PANEL OR CMU WALL NOT SURFACE MOUNTED TO MATERIALS INSTALLATION. MUST BE COORDINATED WITH GENERAL CONTRACTOR AND PEMB MANUFACTURER TO MAINTAIN WATERPROOF SEALED CONDITION AND WARRANTY.
  3. ALL JUNCTION BOXES UNLESS OTHERWISE NOTED TO BE INGED IN WALL AND NOT SURFACE MOUNTED. INTERIOR AND EXTERIOR INCLUDED.
  4. CAMERAS WILL BE OWNER INSTALLED AND PROVIDED.
  5. ALL INTERIOR CAMERAS—HEIGHT AT THE TOP OF JUNCTION BOX SHOULD BE 18' INTERIOR CAMERAS HEIGHTS AT LAY-IN CEILING SHOULD BE 12'.
  6. ALL EXTERIOR CAMERAS AT THE TALL WALLS— HEIGHT AT THE TOP OF THE JUNCTION BOX SHOULD BE AS NOTED ON DRAWING.
  7. EXTERIOR CAMERAS AT THE VESTIBULE—HEIGHT AT THE TOP OF THE JUNCTION BOX SHOULD BE AS NOTED ON DRAWING.
  8. CABLING, CONDUIT, JUNCTION BOXES, AND COVER (WATERPROOF AT EXTERIOR) WILL BE PROVIDED AND INSTALLED BY CONTRACTOR.
  9. PROVIDE WEATHER-TIGHT COVERS FOR ALL EXTERIOR CAMERA JUNCTION BOXES UNTIL CAMERAS ARE INSTALLED.



**INTERCOM/EMERGENCY CALL SYSTEM DIAGRAM**  
NO SCALE  
NOTE: PROVIDE 3/4" CONDUIT FOR ALL INTERCOM SYSTEM WIRING. COORDINATE ALL ASPECTS OF WIRING WITH AIPHONE PRIOR TO ANY ROUGH-IN.



**ORANGE BEACH RECREATION COMPLEX NEW ADULT FITNESS CENTER**



CITY OF ORANGE BEACH ;  
ORANGE BEACH, AL



**OWNER**  
CITY OF ORANGE BEACH  
PO BOX 458  
ORANGE BEACH, ALABAMA 36561  
251-981-6972  
ATTN: KEN GRIMES, JR.

**ASSOCIATE ARCHITECT**  
MCCOLLOUGH ARCHITECTURE  
4790 MAIN ST #209  
ORANGE BEACH, AL 36561  
251-968-7222  
ATTN: STED MCCOLLOUGH

**ARCHITECT**  
DAVIS ARCHITECTS, INC.  
132 23RD STREET SOUTH  
BIRMINGHAM, AL 35233  
205-322-7482  
ATTN: JIM HARTSELL / JEFFREY MENASCO

**CIVIL ENGINEER**  
SAWGRASS CONSULTING, LLC  
1143 OLD HIGHWAY 31  
SPANISH FORT, AL 36527  
251-844-7900  
ATTN: ERIC E. GODWIN / DOUG CHAFFIN

**STRUCTURAL ENGINEER**  
MBA ENGINEERS  
302 20TH ST. N., SUITE 100  
BIRMINGHAM, AL 35203  
205-323-6385  
ATTN: KEITH OWENS / MARK BOGER

**MECHANICAL / PLUMBING ENGINEER**  
GULF STATES ENGINEERING  
600 AZALEA ROAD,  
MOBILE, AL 36609  
251-460-4646  
ATTN: CHRIS DEARMON / VAN SIMPSON

**FIRE PROTECTION ENGINEER**  
GULF STATES ENGINEERING  
600 AZALEA ROAD,  
MOBILE, AL 36609  
251-460-4646  
ATTN: TOM WADE / BRIAN DOVE

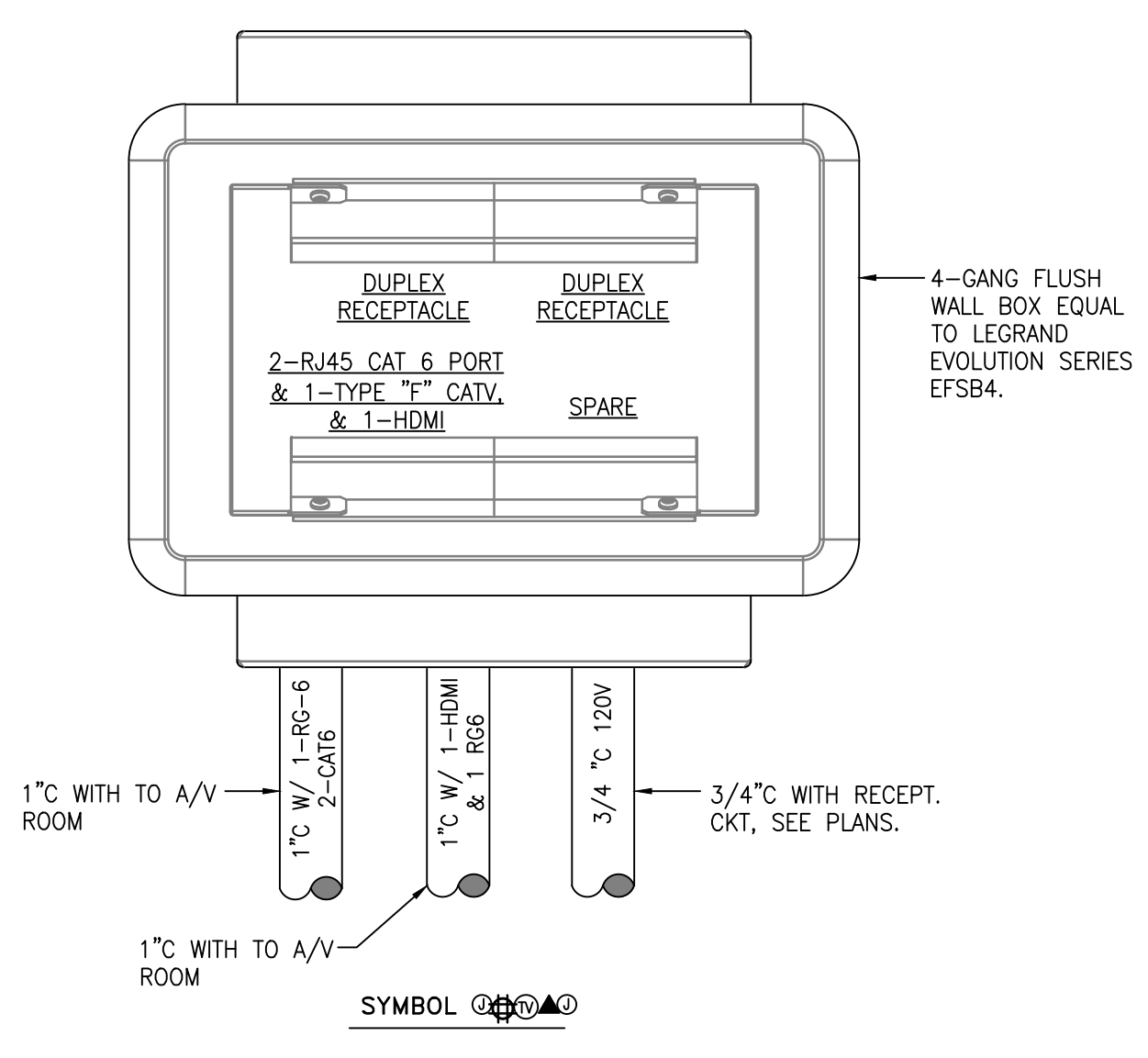
**ELECTRICAL ENGINEER**  
GULF STATES ENGINEERING  
600 AZALEA ROAD,  
MOBILE, AL 36609  
251-460-4646  
ATTN: JERRY ONWU / SID SNYDER

REV	DATE	DESCRIPTION
1	03/13/20	ADDENDUM 2

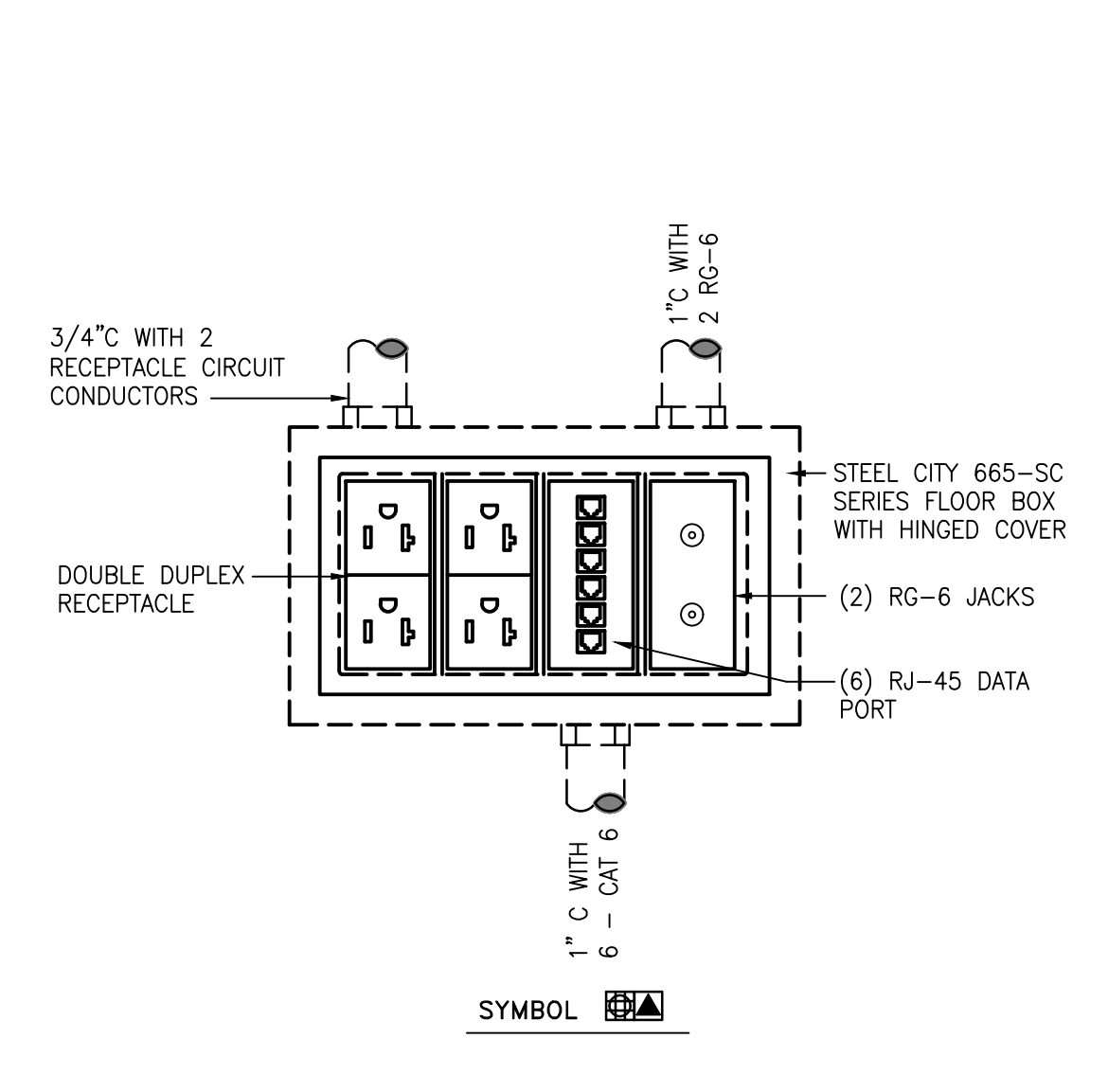
DATE	02-14-2020
TITLE	100% BID DOCUMENTS
DRAWN BY	
CHECKED BY	
DATE	
PROJECT NO.	3981.02

SHEET TITLE  
**LEVEL 1 - SYSTEMS PLAN**

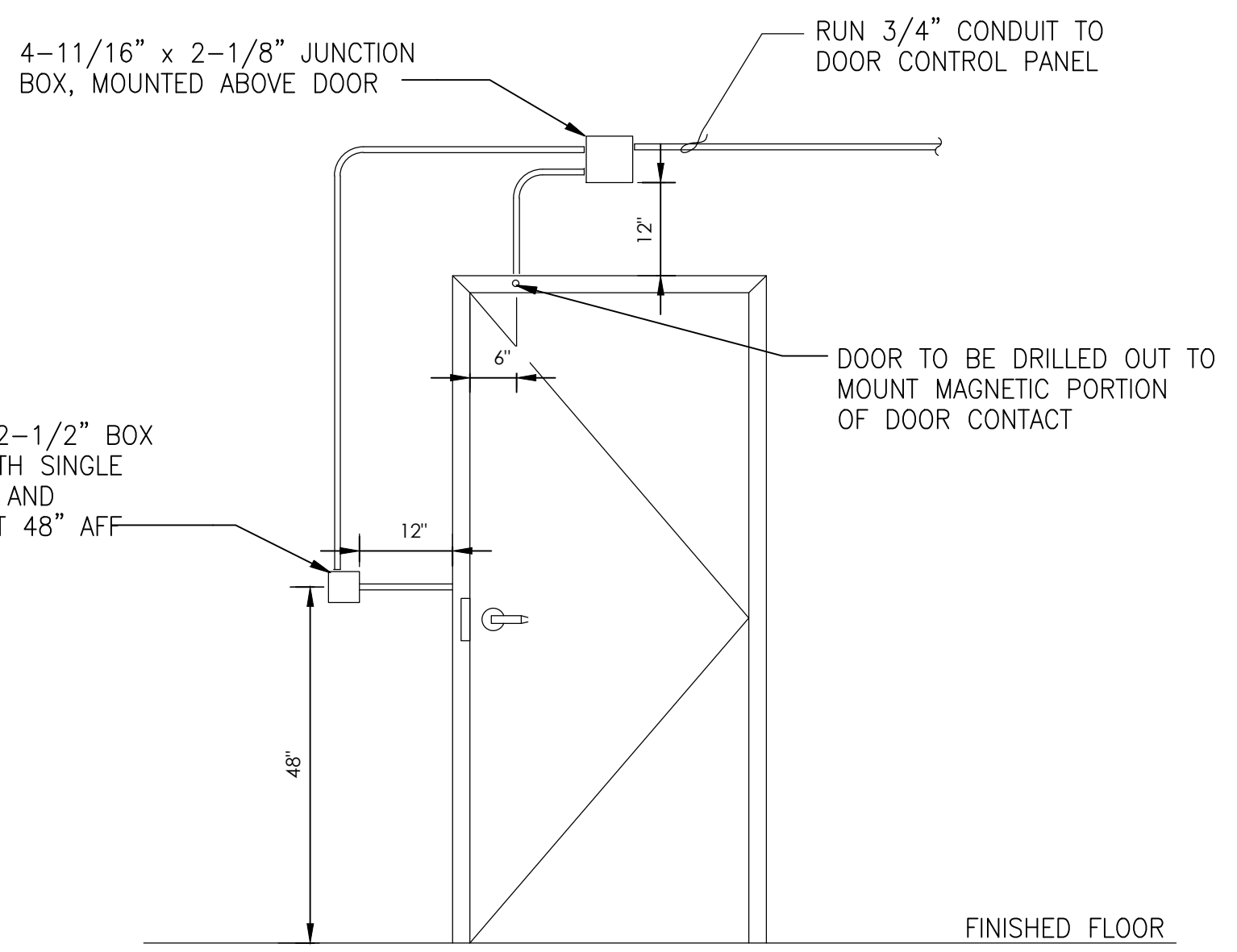
DRAWING NO.



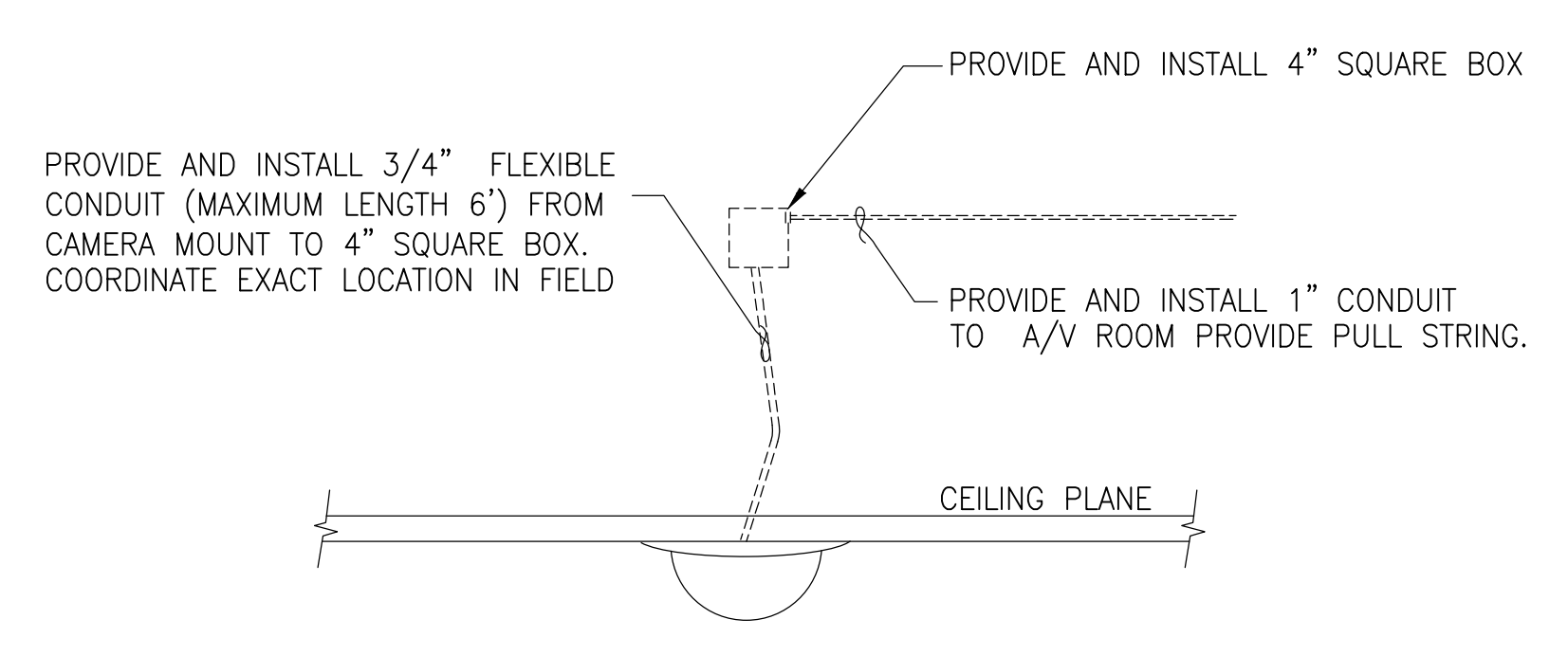
**E1**  
**E302** **4-GANG WALL BOX DETAIL**  
1/4" = 1'-0"



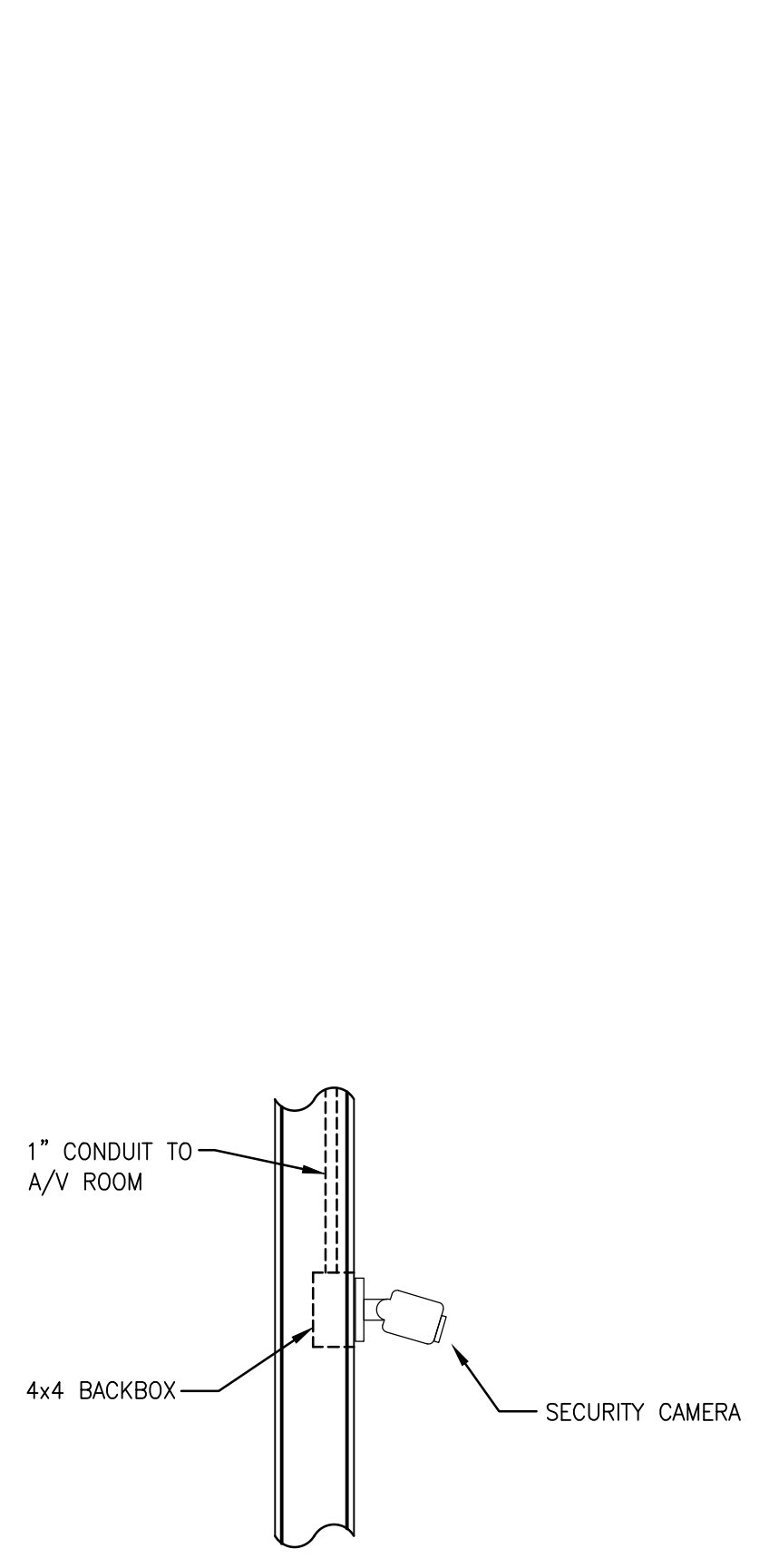
**E2**  
**E302** **4-GANG FLOOR BOX DETAIL**  
1/4" = 1'-0"



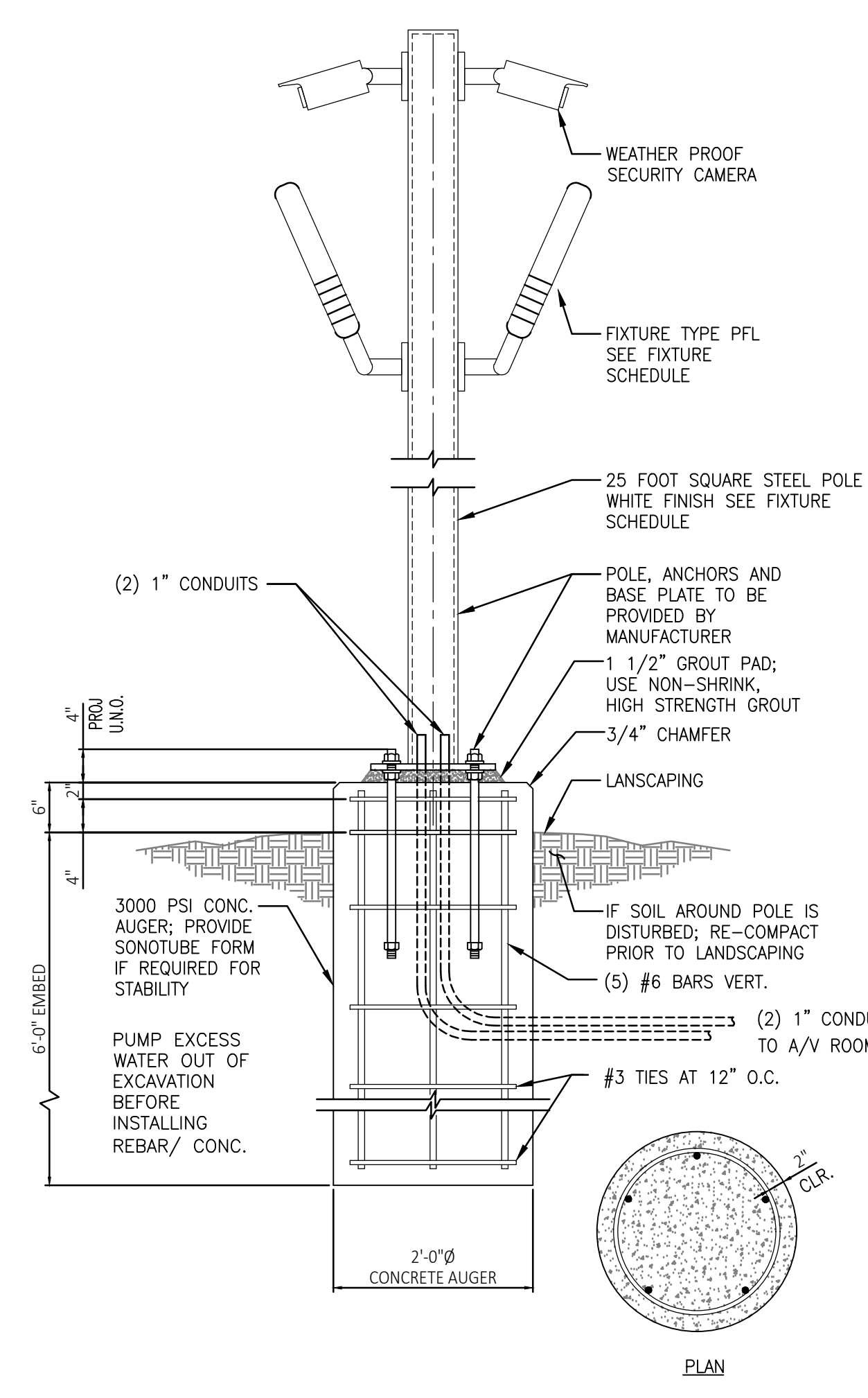
**E3**  
**E302** **DOOR ACCESS CONTROL DETAIL**  
1" = 1'-0"  
NOTE:  
ALL DOOR ACCESS CONTROL CONDUIT TO BE CONCEALED AND JUNCTIONS TO BE EMBEDDED IN WALL.



**E4**  
**E302** **CEILING MOUNTED CAMERA**  
1" = 1'-0"



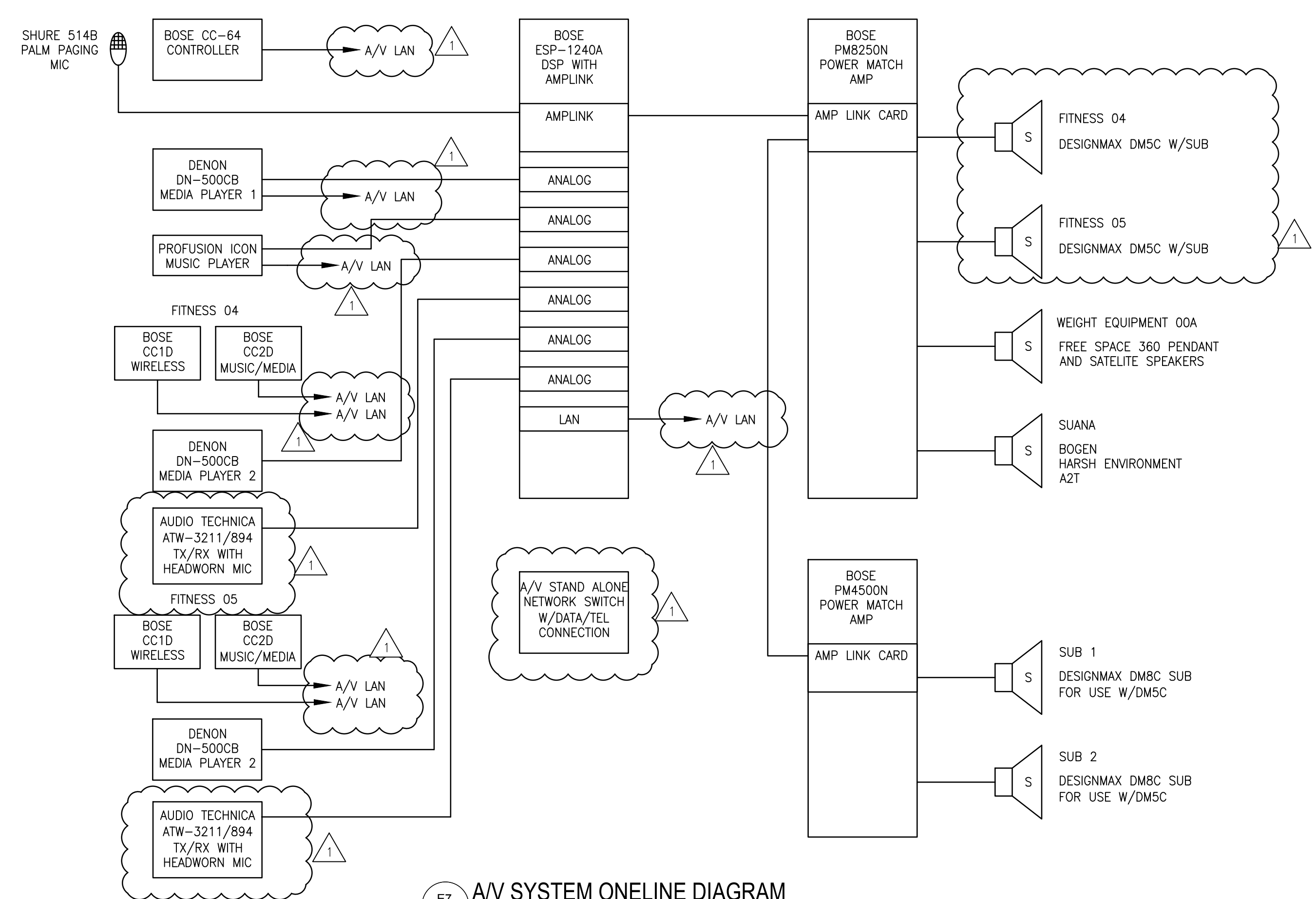
**E5**  
**E302** **WALL MOUNTED SECURITY CAMERA**  
3/4" = 1'-0"



**E6**  
**E302** **EXTERIOR POLE MOUNTED SECURITY CAMERA**  
3/4" = 1'-0"

**GENERAL NOTES:**  
1. THE CONTRACTOR IS TO FIELD VERIFY ALL DIMENSIONS, ELEVATIONS, AND CONDITIONS PRIOR TO INSTALLATION.  
2. THE STRUCTURAL DRAWINGS HEREIN REPRESENT THE FINISHED STRUCTURE. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY BRACING AND SUPPORTS REQUIRED TO ERECT AND HOLD THE SOIL AND STRUCTURE IN PROPER ALIGNMENT UNTIL ALL STRUCTURAL WORK, CURING, CONNECTIONS, ETC. HAVE BEEN COMPLETED. THE INVESTIGATION, DESIGN, SAFETY, ADEQUACY, AND INSPECTION OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

**GENERAL CONCRETE NOTES:**  
1. ALL CONCRETE NOT SPECIFICALLY NOTED = 3000 PSI AT 28 DAYS  
2. DUSTING WITH ANY MATERIAL TO ABSORB SURFACE WATER IS PROHIBITED.  
3. EXPOSED VERTICAL SURFACES SHALL HAVE ALL THE HOLES AND SURFACE IMPERFECTIONS CORRECTED WITH MORTAR.  
4. PROVIDE 3/4" CHAMFER OR RADIUS ON ALL EXPOSED CORNERS.



**E7**  
**E302** **A/V SYSTEM ONLINE DIAGRAM**  
NO SCALE



**ORANGE BEACH RECREATION  
COMPLEX NEW ADULT  
FITNESS CENTER**



**CITY OF ORANGE BEACH ;  
ORANGE BEACH, AL**



**OWNER**  
CITY OF ORANGE BEACH  
PO BOX 458  
ORANGE BEACH, ALABAMA 36561  
251-981-6972  
ATTN: KEN GRIMES, JR.

**ASSOCIATE ARCHITECT**  
MCCOLLOUGH ARCHITECTURE  
4790 MAIN ST #209  
ORANGE BEACH, AL 36561  
251-968-7222  
ATTN: STED MCCOLLOUGH

**ARCHITECT**  
DAVIS ARCHITECTS, INC.  
132 23RD STREET SOUTH  
BIRMINGHAM, AL 35233  
205-322-7482  
ATTN: JIMI HARTSELL / JEFFREY MENASCO

**CIVIL ENGINEER**  
SAWGRASS CONSULTING, LLC  
11143 OLD HIGHWAY 31  
SPANISH FORT, AL 36527  
251-844-7900  
ATTN: ERIC E. GODWIN / DOUG CHAFFIN

**STRUCTURAL ENGINEER**  
MBA ENGINEERS  
300 20TH ST. N. SUITE 100  
BIRMINGHAM, AL 35203  
205-323-6385  
ATTN: KEITH OWENS / MARK BOGER

**MECHANICAL / PLUMBING ENGINEER**  
GULF STATES ENGINEERING  
600 AZALEA ROAD,  
MOBILE, AL 36609  
251-460-4646  
ATTN: CHRIS DEARMON / VAN SIMPSON

**FIRE PROTECTION ENGINEER**  
GULF STATES ENGINEERING  
600 AZALEA ROAD,  
MOBILE, AL 36609  
251-460-4646  
ATTN: TOM WADE / BRIAN DOVE

**ELECTRICAL ENGINEER**  
GULF STATES ENGINEERING  
600 AZALEA ROAD,  
MOBILE, AL 36609  
251-460-4646  
ATTN: JERRY ONWU / SID SNYDER

REV	DATE	DESCRIPTION
1	03/13/20	ADDENDUM 2

DATE: 02-14-2020

PRICE: 100% BID DOCUMENTS

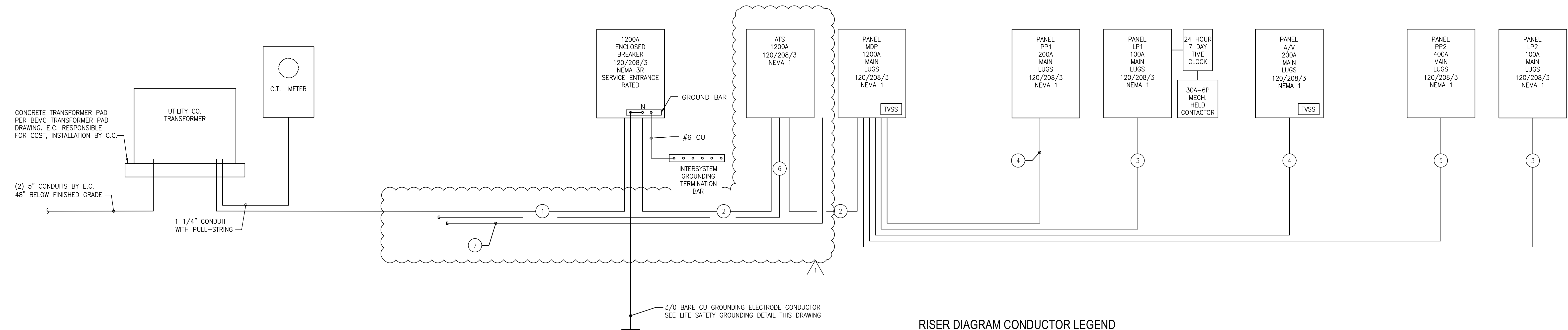
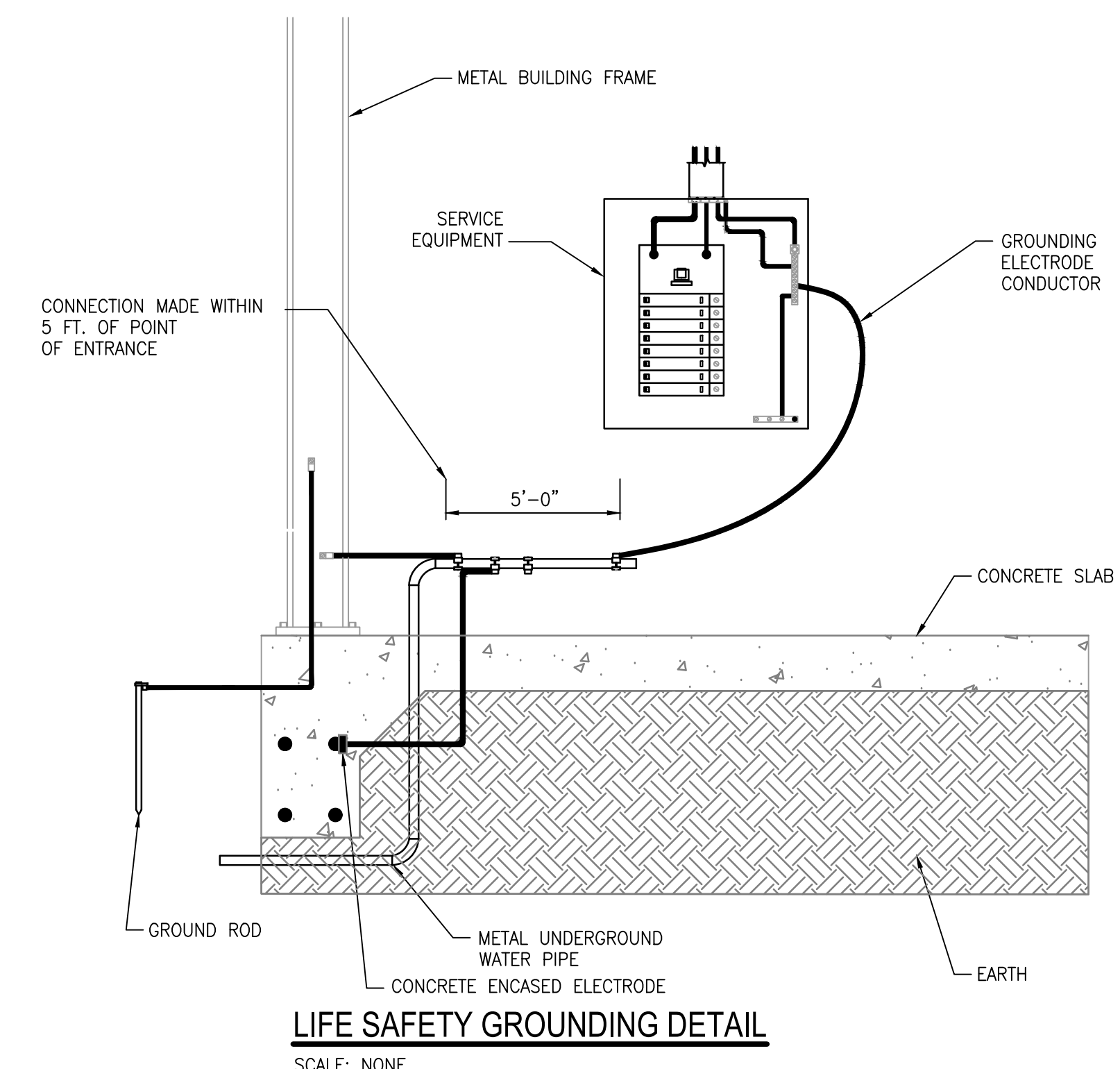
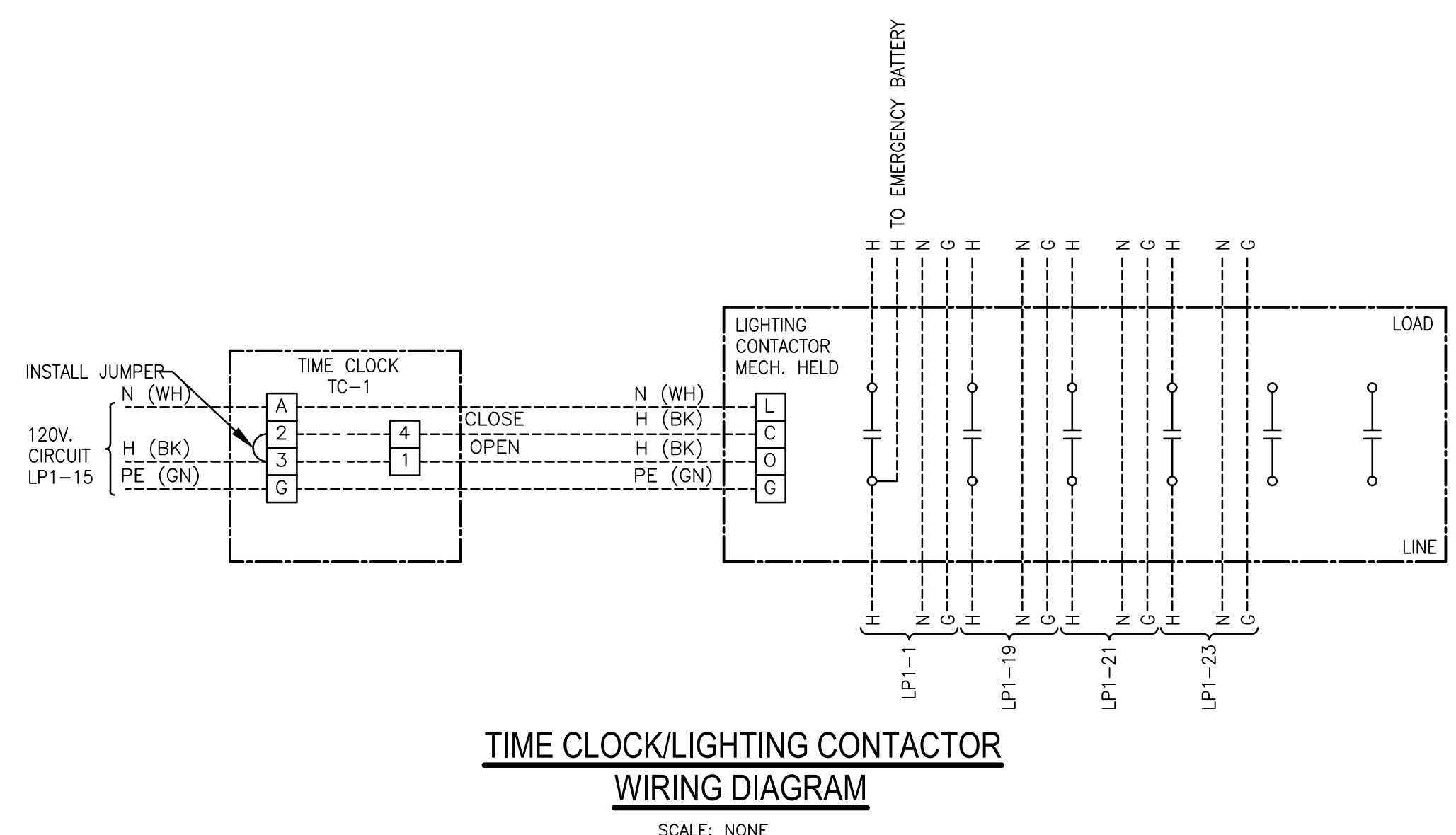
PROJECT NO: 3981.02

SHEET TITLE: SYSTEMS PLAN DETAILS

DRAWING NO: E302

120/208 PANEL MDP				NEMA 1 FLOOR MOUNT			
LOCATION	LOAD (VA)	CIRCUIT NUMBER		CIRCUIT NUMBER	LOAD (VA)	LOCATION	
PANEL PP1	13040	1	200A	2	30270	PANEL PP2	
	15120	3		4	28700		
	14540	5		6	31370		
PANEL LP1	4510	7	100A	8	2555	PANEL LP2	
	4658	9		10	1020		
	4884	11		12	845		
PANEL A/V	14580	13	200A	14	-	SPARE	
	14480	15		16	-		
	13080	17		18	-		
AHU-1	8000	19	90A	20	8000	AHU-2	
	8000	21		22	8000		
	8000	23		24	8000		
HP-1	6600	25	90A	26	6600	HP-2	
	6600	27		28	6600		
	6600	29		30	6600		
AHU-3	4600	31	50A	32	4600	AHU-4	
	4600	33		34	4600		
	4600	35		36	4600		
HP-3	1950	37	35A	38	1950	HP-4	
	1950	39		40	1950		
	1950	41		42	1950		
SPARE	-	43	100A	44	-	SPARE	
	-	45		46	-		
	-	47		48	-		
SPARE	-	49	200A	50	200	SURGE SUPPRESSOR (240KA RATING)	
	-	51		52	200		
	-	53		54	200		

TOTAL CONNECTED LOAD: 321 KW  
PANEL LOCATION: MECHANICAL ROOM  
ALL BRANCH BREAKERS SIZED AS SHOWN



- RISER DIAGRAM CONDUCTOR LEGEND**
- ① (3) EACH 4 600MCM, 4" C.
  - ② (3) EACH 4 600MCM, & 1 #3/0 GND. 4" C.
  - ③ 4 #3, & 1 #8 GND. 2" C.
  - ④ 4 #3/0, & 1 #6 GND. 2" C.
  - ⑤ 4 350 MCM, & 1 #4 GND. 3" C.
  - ⑥ (3) EACH 4" C. (FOR FUTURE GENERATOR POWER CONDUCTORS) STUB OUT OF BUILDING, SEE E101.
  - ⑦ (4) EACH 1" C. (FOR FUTURE GENERATOR CONTROL WIRING) STUB OUT OF BUILDING, SEE E101.



ORANGE BEACH RECREATION COMPLEX NEW ADULT FITNESS CENTER



CITY OF ORANGE BEACH ; ORANGE BEACH, AL

**DAVIS**

**OWNER**  
CITY OF ORANGE BEACH  
PO BOX 458  
ORANGE BEACH, ALABAMA 36561  
251-981-6972  
ATTN: KEN GRIMES, JR.

**ASSOCIATE ARCHITECT**  
MCCOLLOUGH ARCHITECTURE  
4790 MAIN ST #209  
ORANGE BEACH, AL 36561  
251-968-7222  
ATTN: STED MCCOLLOUGH

**ARCHITECT**  
DAVIS ARCHITECTS, INC.  
132 23RD STREET SOUTH  
BIRMINGHAM, AL 35233  
205-322-7482  
ATTN: JIM HARTSELL / JEFFREY MENASCO

**CIVIL ENGINEER**  
SAWGRASS CONSULTING, LLC  
11143 OLD HIGHWAY 31  
SPANISH FORT, AL 36527  
251-844-7900  
ATTN: ERIC E. GODWIN / DOUG CHAFFIN

**STRUCTURAL ENGINEER**  
MBA ENGINEERS  
300 20TH ST. N. SUITE 100  
BIRMINGHAM, AL 35203  
205-323-6385  
ATTN: KEITH OWENS / MARK BOGER

**MECHANICAL / PLUMBING ENGINEER**  
GULF STATES ENGINEERING  
600 AZALEA ROAD  
MOBILE, AL 36609  
251-460-4646  
ATTN: CHRIS DEARMON / VAN SIMPSON

**FIRE PROTECTION ENGINEER**  
GULF STATES ENGINEERING  
600 AZALEA ROAD  
MOBILE, AL 36609  
251-460-4646  
ATTN: TOM WADE / BRIAN DOVE

**ELECTRICAL ENGINEER**  
GULF STATES ENGINEERING  
600 AZALEA ROAD  
MOBILE, AL 36609  
251-460-4646  
ATTN: JERRY ONWU / SID SNYDER

REV	DATE	DESCRIPTION
1	03/13/20	ADDENDUM 2

DATE: 02-14-2020

PERCENT: 100% BID DOCUMENTS

DRAWN BY: DAVIS ARCHITECTS PROJECT NO: 3981.02

SHEET TITLE: RISER DIAGRAM

DRAWING NO. E400