



## **ADDENDUM NO. 1**

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### **ORANGE BEACH HIGH SCHOOL FIELD HOUSE CITY OF ORANGE BEACH**

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ADDENDUM NO. ONE (1) – DATED JANUARY 15, 2021

This Addendum is directed to all bidders to whom the City of Orange Beach has issued drawings and specifications. The following conditions, drawings, specification changes, etc., take precedence over any conflicting conditions in the Drawings and Specifications or other Contract and Bid Documents. Portions of the Contract Documents not changed by Addendum remain in effect.

#### **SPECIFICATIONS**

- ITEM 1.01      SECTION 00 4100 – Bid Proposal Form**  
\$25,000.00 Contingency has been added as Allowance No. 2.
- ITEM 1.02      SECTION 01 2000 – Administrative Requirements**  
This section has been replaced in its entirety.
- ITEM 1.03      SECTION 01 3200 – Construction Progress Documentation**  
This section has been added and attached.
- ITEM 1.04      SECTION 01 3233 – Photographic Documentation**  
This section has been added and attached.
- ITEM 1.05      SECTION 01 7700 – Closeout Procedures**  
This section has been added and attached.
- ITEM 1.06      SECTION 01 7800 – Closeout Submittals**  
This section has been added and attached.
- ITEM 1.07      SECTION 01 7900 – Demonstration and Training**  
This section has been added and attached.
- ITEM 1.08      SECTION 10 2113.19 – Plastic Toilet Compartments**  
This section has been added and attached.
- ITEM 1.09      SECTION 10 5126 – Plastic Lockers**  
This section has been added and attached.
- ITEM 1.10      SECTION 16 7300 – Clock Systems**  
This section has been deleted. The school board prefers to use a stand-alone battery-operated clock in the gym area.

#### **SPECIFICATIONS**

- ITEM 2.01      REFERENCE DRAWING S2.1**  
Typical footing step detail shall provide for a minimum bearing of 24" below finished grade.

**ATTACHMENTS:**

Section 00 4100 – Bid Proposal Form  
Section 01 2000 – Administrative Requirements  
Section 01 3200 – Construction Progress Documentation  
Section 01 3233 – Photographic Documentation  
Section 01 7700 – Closeout Procedures  
Section 01 7800 – Closeout Submittals  
Section 01 7900 – Demonstration and Training  
Section 10 2113.19 – Plastic Toilet Compartments  
Section 10 5126 – Plastic Lockers  
Pre-Bid Question Log  
Pre-Bid Sign-In Sheet

NOTE: Receipt of all addenda must be acknowledged on the Bid Form in order for the proposal to be considered a conforming bid.



Stedmann B. McCollough  
McCollough Architecture, Inc.

**END OF ADDENDUM #1**

PROPOSAL FORM

TO: **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 High School Field House

in accordance with Drawings and Specifications, dated \_\_\_\_\_, prepared by  
McCollough Architecture, 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 (\$ \_\_\_\_\_)

ALLOWANCE: Include allowances in Base Bid in accord with Section 01 2000 - Allowances

Allowance No. 1: Contractor shall provide Builders' Risk Insurance and indicate 100% of the total  
deductible amount below. All unclaimed deductible amounts will be reimbursed to the Owner at project  
completion as a deductive change order to the contractor. Contractor shall provide evidence from insurer  
of 100% deductive amount within 48 hours of bid.

Allowance No. 1 \_\_\_\_\_  
Dollars (\$ \_\_\_\_\_)

Allowance No. 2: Bidders shall include a \$25,000.00 contingency in their bid.

Allowance No. 2 \_\_\_\_\_  
Dollars (\$ \_\_\_\_\_)

TOTAL BID (including Base Bid & Allowance): \_\_\_\_\_  
Dollars (\$ \_\_\_\_\_)

Attach Section 00 4102 – Bid Proposal Form Attachment “A” to this Bid Proposal Form.

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.

No Alternates.

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.

**BIDDER’S ALABAMA LICENSE:**

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

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

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 -

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**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**

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**PART 1 - GENERAL**

**1.01 SUMMARY**

- A. Section includes administrative and procedural requirements for documenting the progress of
- B. construction during performance of the Work, including the following:
  - 1. Contractor's construction schedule.
  - 2. Daily construction reports.
  - 3. Site condition reports.

**1.02 INFORMATIONAL SUBMITTALS**

- A. Format for Submittals: Submit required submittals in the following format:
  - 1. Six paper copies.
- B. Contractor's Construction Schedule: Initial schedule, of size required to display entire schedule for entire construction period.
- C. Daily Construction Reports: Submit at weekly intervals.
- D. Site Condition Reports: Submit at time of discovery of differing conditions.

**1.03 COORDINATION**

- A. Coordinate Contractor's construction schedule with the schedule of values, progress reports, payment requests, and other required schedules and reports.

**PART 2 - PRODUCTS**

**2.01 CONTRACTOR'S CONSTRUCTION SCHEDULE, GENERAL**

- A. Time Frame: Extend schedule from date established for the Notice to Proceed to date of final completion.

**2.02 CONTRACTOR'S CONSTRUCTION SCHEDULE (GANTT CHART)**

- A. Gantt-Chart Schedule: Submit a comprehensive, fully developed, horizontal Gantt-chart-type, Contractor's Construction Schedule within 7 days of date established for the Notice to Proceed.
- B. Preparation: Indicate each significant construction activity separately. Identify first workday of each week with a continuous vertical line.
  - 1. For construction activities that require two months or longer to complete, indicate an estimated completion percentage in 10 percent increments within time bar.

**2.03 REPORTS**

- A. Daily Construction Reports: Prepare a daily construction report recording the following information concerning events at Project site:
  - 1. List of subcontractors at Project site.
  - 2. List of separate contractors at Project site.
  - 3. Approximate count of personnel at Project site.
  - 4. Equipment at Project site.
  - 5. Accidents.
  - 6. Meetings and significant decisions.
  - 7. Unusual events.
  - 8. Orders and requests of authorities having jurisdiction.
  - 9. Change Orders received and implemented.
  - 10. Construction Change Directives received and implemented.
  - 11. Services connected and disconnected.
- B. Site Condition Reports: Immediately on discovery of a difference between site conditions and the Contract Documents, prepare and submit a detailed report. Submit with a Request for

Information. Include a detailed description of the differing conditions, together with recommendations for changing the Contract Documents.

**PART 3 - EXECUTION**

**3.01 CONTRACTOR'S CONSTRUCTION SCHEDULE**

- A. Distribution: Distribute copies of approved schedule to Architect, Owner, separate contractors, and other parties identified by Contractor with a need-to-know schedule responsibility.

**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**

## SECTION 01 7700 CLOSEOUT PROCEDURES

### PART 1 - GENERAL

#### 1.01 SUMMARY

- A. Section includes administrative and procedural requirements for contract closeout, including, but not limited to, the following:
  - 1. Substantial Completion procedures.
  - 2. Final completion procedures.
  - 3. Final cleaning.
  - 4. Related Requirements:
    - a. Section 013233 "Photographic Documentation" for submitting final completion construction photographic documentation.

#### 1.02 SUBSTANTIAL COMPLETION PROCEDURES

- A. Submittals Prior to Substantial Completion: Complete the following a minimum of 10 days prior to requesting inspection for determining date of Substantial Completion. List items below that are incomplete at time of request.
  - 1. Submit closeout submittals specified in other Division 01 Sections, including final completion construction photographic documentation, damage or settlement surveys, property surveys, and similar final record information.
  - 2. Procedures Prior to Substantial Completion: Complete the following a minimum of 10 days prior to requesting inspection for determining date of Substantial Completion. List items below that are incomplete at time of request.
    - a. Advise Owner of pending insurance changeover requirements.
    - b. Terminate and remove temporary facilities from Project site.
    - c. Complete final cleaning requirements.
  - 3. Inspection: Submit a written request for inspection to determine Substantial Completion a minimum of 10 days prior to date the work will be completed and ready for final inspection. On receipt of request, Architect will either proceed with inspection or notify Contractor of unfulfilled requirements. Architect will prepare the Certificate of Substantial Completion after inspection or will notify Contractor of items, either on Contractor's list or additional items identified by Architect, that must be completed or corrected before certificate will be issued.
    - a. Reinspection: Request reinspection when the Work identified in previous inspections as incomplete is completed or corrected.
    - b. Results of completed inspection will form the basis of requirements for final completion.

#### 1.03 FINAL COMPLETION PROCEDURES

- A. Preliminary Procedures: Before requesting final inspection for determining final completion, complete the following:
  - 1. Submit a final Application for Payment according to Section 012900 "Payment Procedures."
  - 2. Certified List of Incomplete Items: Submit certified copy of Architect's Substantial Completion inspection list of items to be completed or corrected (punch list), endorsed and dated by Architect. Certified copy of the list shall state that each item has been completed or otherwise resolved for acceptance.
  - 3. Certificate of Insurance: Submit evidence of final, continuing insurance coverage complying with insurance requirements.
  - 4. Inspection: Submit a written request for final inspection to determine acceptance. On receipt of request, Architect will either proceed with inspection or notify Contractor of unfulfilled requirements. Architect will prepare a final Certificate for Payment after inspection or will notify Contractor of construction that must be completed or corrected before certificate will be issued.

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

**PART 3 - EXECUTION**

**3.01 FINAL CLEANING**

- A. General: Perform final cleaning. Conduct cleaning and waste-removal operations to comply with local laws and ordinances and Federal and local environmental and antipollution regulations.
  - 1. 1. Complete the following cleaning operations before requesting inspection for certification of Substantial Completion:
    - a. Clean Project site, yard, and grounds, in areas disturbed by demolition activities, including landscape development areas, of rubbish, waste material, litter, and other foreign substances.
    - b. Sweep paved areas broom clean. Remove petrochemical spills, stains, and other foreign deposits.
    - c. Rake grounds that are neither planted nor paved to a smooth, even-textured surface.
    - d. Remove tools, construction equipment, machinery, and surplus material from Project site.

**END OF SECTION**

**SECTION 01 7800 CLOSEOUT SUBMITTAL**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Project Record Documents.
- B. Operation and Maintenance Data.
- C. Warranties and bonds.

**1.02 RELATED REQUIREMENTS**

- A. Section 00 7200 - General Conditions: Performance bond and labor and material payment bonds, warranty, and correction of work.
- B. Section 01 3000 - Administrative Requirements: Submittals procedures, shop drawings, product data, and samples.
- C. Section 01 7000 - Execution and Closeout Requirements: Contract closeout procedures.
- D. Individual Product Sections: Specific requirements for operation and maintenance data.
- E. Individual Product Sections: Warranties required for specific products or Work.

**1.03 SUBMITTALS**

- A. Project Record Documents: Submit documents to Architect with claim for final Application for Payment.
  - 1. In addition to required hard copy, submit all closeout documents in .pdf format suitable for Owner's archival purposes.
- B. Operation and Maintenance Data:
  - 1. Submit two copies of preliminary draft or proposed formats and outlines of contents before start of Closeout procedures. Architect will review draft and return one copy with comments.
  - 2. For equipment, or component parts of equipment put into service during construction and operated by Owner, submit completed documents within ten days after acceptance.
  - 3. Submit one copy of completed documents 15 days prior to final inspection. This copy will be reviewed and returned after final inspection, with Architect comments. Revise content of all document sets as required prior to final submission.
  - 4. Submit two sets of revised final documents in final form within 10 days after final inspection.
- C. Warranties and Bonds:
  - 1. For equipment or component parts of equipment put into service during construction with Owner's permission, submit documents within 10 days after acceptance.
  - 2. Make other submittals within 10 days after Date of Substantial Completion, prior to final Application for Payment.
  - 3. For items of Work for which acceptance is delayed beyond Date of Substantial Completion, submit within 10 days after acceptance, listing the date of acceptance as the beginning of the warranty period.

**PART 2 PRODUCTS - NOT USED**

**PART 3 EXECUTION**

**3.01 PROJECT RECORD DOCUMENTS (AS-BUILTS)**

- A. Maintain on site one set of the following record documents; record actual revisions to the Work:
  - 1. Drawings.
  - 2. Specifications.
  - 3. Addenda.
  - 4. Change Orders and other modifications to the Contract.

5. Reviewed shop drawings, product data, and samples.
  6. Manufacturer's instruction for assembly, installation, and adjusting.
- B. Ensure entries are complete and accurate, enabling future reference by Owner.
- C. Store record documents separate from documents used for construction.
- D. Record information concurrent with construction progress.
- E. Specifications: Legibly mark and record at each product section description of actual products installed, including the following:
1. Manufacturer's name and product model and number.
  2. Product substitutions or alternates utilized.
  3. Changes made by Addenda and modifications.
- F. Record Drawings and Shop Drawings: Legibly mark each item to record actual construction including:
1. Measured depths of foundations in relation to finish first floor datum.
  2. Measured horizontal and vertical locations of underground utilities and appurtenances, referenced to permanent surface improvements.
  3. Measured locations of internal utilities and appurtenances concealed in construction, referenced to visible and accessible features of the Work.
  4. Field changes of dimension and detail.
  5. Details not on original Contract drawings.
- G. Final Submittal: In addition to hard copy, provide the following:
1. Complete set of record documents in .pdf format for Owner's archival purposes.
  2. Provide Autocad format drawing of site utilities installed, relocated or abandoned for inclusion in Master Campus File.

### **3.02 OPERATION AND MAINTENANCE DATA**

- A. Source Data: For each product or system, list names, addresses and telephone numbers of Subcontractors and suppliers, including local source of supplies and replacement parts.
- B. Product Data: Mark each sheet to clearly identify specific products and component parts, and data applicable to installation. Delete inapplicable information.
- C. Drawings: Supplement product data to illustrate relations of component parts of equipment and systems, to show control and flow diagrams. Do not use Project Record Documents as maintenance drawings.
- D. Typed Text: As required to supplement product data. Provide logical sequence of instructions for each procedure, incorporating manufacturer's instructions.

### **3.03 OPERATION AND MAINTENANCE DATA FOR MATERIALS AND FINISHES**

- A. For Each Product, Applied Material, and Finish:
1. Product data, with catalog number, size, composition, and color and texture designations.
  2. Information for re-ordering custom manufactured products.
- B. Instructions for Care and Maintenance: Manufacturer's recommendations for cleaning agents and methods, precautions against detrimental cleaning agents and methods, and recommended schedule for cleaning and maintenance.
- C. Moisture protection and weather-exposed products: Include product data listing applicable reference standards, chemical composition, and details of installation. Provide recommendations for inspections, maintenance, and repair.
- D. Additional information as specified in individual product specification sections.
- E. Where additional instructions are required, beyond the manufacturer's standard printed instructions, have instructions prepared by personnel experienced in the operation and maintenance of the specific products.



### **3.04 OPERATION AND MAINTENANCE DATA FOR EQUIPMENT AND SYSTEMS**

- A. For Each Item of Equipment and Each System:
  - 1. Description of unit or system, and component parts.
  - 2. Identify function, normal operating characteristics, and limiting conditions.
  - 3. Include performance curves, with engineering data and tests.
  - 4. Complete nomenclature and model number of replaceable parts.
- B. Where additional instructions are required, beyond the manufacturer's standard printed instructions, have instructions prepared by personnel experienced in the operation and maintenance of the specific products.
- C. Panelboard Circuit Directories: Provide electrical service characteristics, controls, and communications; typed.
- D. Include color coded wiring diagrams as installed.
- E. Operating Procedures: Include start-up, break-in, and routine normal operating instructions and sequences. Include regulation, control, stopping, shut-down, and emergency instructions. Include summer, winter, and any special operating instructions.
- F. Maintenance Requirements: Include routine procedures and guide for preventative maintenance and trouble shooting; disassembly, repair, and reassembly instructions; and alignment, adjusting, balancing, and checking instructions.
- G. Provide servicing and lubrication schedule, and list of lubricants required.
- H. Include manufacturer's printed operation and maintenance instructions.
- I. Include sequence of operation by controls manufacturer.
- J. Provide original manufacturer's parts list, illustrations, assembly drawings, and diagrams required for maintenance.
- K. Provide control diagrams by controls manufacturer as installed.
- L. Provide Contractor's coordination drawings, with color coded piping diagrams as installed.
- M. Provide charts of valve tag numbers, with location and function of each valve, keyed to flow and control diagrams.
- N. Provide list of original manufacturer's spare parts, current prices, and recommended quantities to be maintained in storage.
- O. Include test and balancing reports.
- P. Additional Requirements: As specified in individual product specification sections.

### **3.05 ASSEMBLY OF OPERATION AND MAINTENANCE MANUALS**

- A. Assemble operation and maintenance data into durable manuals for Owner's personnel use, with data arranged in the same sequence as, and identified by, the specification sections.
- B. Where systems involve more than one specification section, provide separate tabbed divider for each system.
- C. Prepare instructions and data by personnel experienced in maintenance and operation of described products.
- D. Prepare data in the form of an instructional manual.
- E. Binders: Commercial quality, 8-1/2 by 11 inch three D side ring binders with durable plastic covers; 2 inch maximum ring size. When multiple binders are used, correlate data into related consistent groupings.
- F. Cover: Identify each binder with typed or printed title OPERATION AND MAINTENANCE INSTRUCTIONS; identify title of Project; identify subject matter of contents.
- G. Project Directory: Title and address of Project; names, addresses, and telephone numbers of Architect, Consultants, Contractor and subcontractors, with names of responsible parties.

- H. Tables of Contents: List every item separated by a divider, using the same identification as on the divider tab; where multiple volumes are required, include all volumes Tables of Contents in each volume, with the current volume clearly identified.
- I. Dividers: Provide tabbed dividers for each separate product and system; identify the contents on the divider tab; immediately following the divider tab include a description of product and major component parts of equipment.
- J. Text: Manufacturer's printed data, or typewritten data on 24 pound paper.
- K. Drawings: Provide with reinforced punched binder tab. Bind in with text; fold larger drawings to size of text pages.
- L. Arrange content by systems under section numbers and sequence of Table of Contents of this Project Manual.
- M. Contents: Prepare a Table of Contents for each volume, with each product or system description identified, in three parts as follows:
  - 1. Part 1: Directory, listing names, addresses, and telephone numbers of Architect, Contractor, Subcontractors, and major equipment suppliers.
  - 2. Part 2: Operation and maintenance instructions, arranged by system and subdivided by specification section. For each category, identify names, addresses, and telephone numbers of Subcontractors and suppliers. Identify the following:
    - a. Significant design criteria.
    - b. List of equipment.
    - c. Parts list for each component.
    - d. Operating instructions.
    - e. Maintenance instructions for equipment and systems.
    - f. Maintenance instructions for special finishes, including recommended cleaning methods and materials, and special precautions identifying detrimental agents.
  - 3. Part 3: Project documents and certificates, including the following:
    - a. Shop drawings and product data.
    - b. Air and water balance reports.
    - c. Certificates.
    - d. Photocopies of warranties and bonds.
- N. Provide a listing in Table of Contents for design data, with tabbed dividers and space for insertion of data.
- O. Table of Contents: Provide title of Project; names, addresses, and telephone numbers of Architect, Consultants, and Contractor with name of responsible parties; schedule of products and systems, indexed to content of the volume.

### **3.06 WARRANTIES AND BONDS**

- A. Obtain warranties and bonds, executed in duplicate by responsible Subcontractors, suppliers, and manufacturers, within 10 days after completion of the applicable item of work. Except for items put into use with Owner's permission, leave date of beginning of time of warranty until Date of Substantial completion is determined.
- B. Verify that documents are in proper form, contain full information, and are notarized.
- C. Co-execute submittals when required.
- D. Retain warranties and bonds until time specified for submittal.
- E. Manual: Bind in commercial quality 8-1/2 by 11 inch three D side ring binders with durable plastic covers.
- F. Cover: Identify each binder with typed or printed title WARRANTIES AND BONDS, with title of Project; name, address and telephone number of Contractor and equipment supplier; and name of responsible company principal.

- G. Table of Contents: Neatly typed, in the sequence of the Table of Contents of the Project Manual, with each item identified with the number and title of the specification section in which specified, and the name of product or work item.
- H. Separate each warranty or bond with index tab sheets keyed to the Table of Contents listing. Provide full information, using separate typed sheets as necessary. List Subcontractor, supplier, and manufacturer, with name, address, and telephone number of responsible principal.

**END OF SECTION**

## **SECTION 01 7900 DEMONSTRATION AND TRAINING**

### **PART 1 GENERAL**

#### **1.01 SUMMARY**

- A. Demonstration of products and systems where indicated in specific specification sections.
- B. Training of Owner personnel in operation and maintenance is required for:
  - 1. All software-operated systems.
  - 2. HVAC systems and equipment.
  - 3. Plumbing equipment.
  - 4. Electrical systems and equipment.
  - 5. Conveying systems.
  - 6. Landscape irrigation.
  - 7. Items specified in individual product Sections.
- C. Training of Owner personnel in care, cleaning, maintenance, and repair is required for:
  - 1. Roofing, waterproofing, and other weather-exposed or moisture protection products.
  - 2. Finishes, including flooring, wall finishes, ceiling finishes.
  - 3. Fixtures and fittings.
  - 4. Items specified in individual product Sections.

#### **1.02 RELATED REQUIREMENTS**

- A. Section 01 7800 - Closeout Submittals: Operation and maintenance manuals.
- B. Other Specification Sections: Additional requirements for demonstration and training.

#### **1.03 SUBMITTALS**

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Training Plan: Owner will designate personnel to be trained; tailor training to needs and skill-level of attendees.
  - 1. Submit to Architect for transmittal to Owner.
  - 2. Submit not less than four weeks prior to start of training.
  - 3. Revise and resubmit until acceptable.
  - 4. Provide an overall schedule showing all training sessions.
  - 5. Include at least the following for each training session:
    - a. Identification, date, time, and duration.
    - b. Description of products and/or systems to be covered.
    - c. Name of firm and person conducting training; include qualifications.
    - d. Intended audience, such as job description.
    - e. Objectives of training and suggested methods of ensuring adequate training.
    - f. Methods to be used, such as classroom lecture, live demonstrations, hands-on, etc.
    - g. Media to be used, such as slides, hand-outs, etc.
    - h. Training equipment required, such as projector, projection screen, etc., to be provided by Contractor.
- C. Training Manuals: Provide training manual for each attendee; allow for minimum of two attendees per training session.
  - 1. Include applicable portion of O&M manuals.
  - 2. Include copies of all hand-outs, slides, overheads, video presentations, etc., that are not included in O&M manuals.
  - 3. Provide one extra copy of each training manual to be included with operation and maintenance data.
- D. Training Reports:
  - 1. Identification of each training session, date, time, and duration.
  - 2. Sign-in sheet showing names and job titles of attendees.

3. List of attendee questions and written answers given, including copies of and references to supporting documentation required for clarification; include answers to questions that could not be answered in original training session.
- E. Video Recordings: Submit digital video recording of each demonstration and training session for Owner's subsequent use.
  1. Format: DVD Disc.
  2. Label each disc and container with session identification and date.

#### **1.04 QUALITY ASSURANCE**

- A. Instructor Qualifications: Familiar with design, operation, maintenance and troubleshooting of the relevant products and systems.
  1. Provide as instructors the most qualified trainer of those contractors and/or installers who actually supplied and installed the systems and equipment.
  2. Where a single person is not familiar with all aspects, provide specialists with necessary qualifications.

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

### **PART 3 EXECUTION**

#### **3.01 DEMONSTRATION - GENERAL**

- A. Demonstrations conducted during system start-up do not qualify as demonstrations for the purposes of this section, unless approved in advance by Owner.
- B. Demonstration may be combined with Owner personnel training if applicable.
- C. Operating Equipment and Systems: Demonstrate operation in all modes, including start-up, shut-down, seasonal changeover, emergency conditions, and troubleshooting, and maintenance procedures, including scheduled and preventive maintenance.
  1. Perform demonstrations not less than two weeks prior to Substantial Completion.
  2. For equipment or systems requiring seasonal operation, perform demonstration for other season within six months.
- D. Non-Operating Products: Demonstrate cleaning, scheduled and preventive maintenance, and repair procedures.
  1. Perform demonstrations not less than two weeks prior to Substantial Completion.

#### **3.02 TRAINING - GENERAL**

- A. Conduct training on-site unless otherwise indicated.
- B. Owner will provide classroom and seating at no cost to Contractor.
- C. Provide training in minimum two hour segments.
- D. Training schedule will be subject to availability of Owner's personnel to be trained; re-schedule training sessions as required by Owner; once schedule has been approved by Owner failure to conduct sessions according to schedule will be cause for Owner to charge Contractor for personnel "show-up" time.
- E. Review of Facility Policy on Operation and Maintenance Data: During training discuss:
  1. The location of the O&M manuals and procedures for use and preservation; backup copies.
  2. Typical contents and organization of all manuals, including explanatory information, system narratives, and product specific information.
  3. Typical uses of the O&M manuals.
- F. Product- and System-Specific Training:
  1. Review the applicable O&M manuals.
  2. For systems, provide an overview of system operation, design parameters and constraints, and operational strategies.

3. Review instructions for proper operation in all modes, including start-up, shut-down, seasonal changeover and emergency procedures, and for maintenance, including preventative maintenance.
  4. Provide hands-on training on all operational modes possible and preventive maintenance.
  5. Emphasize safe and proper operating requirements; discuss relevant health and safety issues and emergency procedures.
  6. Discuss common troubleshooting problems and solutions.
  7. Discuss any peculiarities of equipment installation or operation.
  8. Discuss warranties and guarantees, including procedures necessary to avoid voiding coverage.
  9. Review recommended tools and spare parts inventory suggestions of manufacturers.
  10. Review spare parts and tools required to be furnished by Contractor.
  11. Review spare parts suppliers and sources and procurement procedures.
- G. Be prepared to answer questions raised by training attendees; if unable to answer during training session, provide written response within three days.

**END OF SECTION**

**SECTION 10 2113.19**  
**PLASTIC TOILET COMPARTMENTS**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Solid plastic toilet compartments.
- B. Urinal screens.

**1.02 RELATED REQUIREMENTS**

- A. Section 06 1000 - Rough Carpentry: Blocking and supports.
- B. Section 10 2800 - Toilet, Bath, and Laundry Accessories.

**1.03 REFERENCE STANDARDS**

- A. NFPA 286 - Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth; 2015.

**1.04 ADMINISTRATIVE REQUIREMENTS**

- A. Coordination: Coordinate the work with placement of support framing and anchors in walls and ceilings.

**1.05 SUBMITTALS**

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data on panel construction, hardware, and accessories.
- C. Shop Drawings: Indicate partition plan, elevation views, dimensions, details of wall supports, door swings.
- D. Samples: Submit two samples of partition panels, 8 by 8 inch in size illustrating panel finish, color, and sheen.
- E. Manufacturer's Installation Instructions: Indicate special procedures.

**PART 2 PRODUCTS**

**2.01 MANUFACTURERS**

- A. Solid Plastic Toilet Compartments:
  - 1. All American Metal Corp - AAMCO; Solid Plastic (HDPE): [www.allamericanmetal.com/#sle](http://www.allamericanmetal.com/#sle).
  - 2. Ampco Products, Inc; Plastic Toilet Compartments: [www.ampco.com/#sle](http://www.ampco.com/#sle).
  - 3. Metpar Corp; Solid Plastic: [www.metpar.com/#sle](http://www.metpar.com/#sle).
  - 4. Partition Systems International of South Carolina; PolyLife HDPE Toilet Partitions: [www.psisc.com/#sle](http://www.psisc.com/#sle).
  - 5. Scranton Products (Santana/Comtec/Capital); Hiny Hiders HDPE: [www.scrantonproducts.com/#sle](http://www.scrantonproducts.com/#sle).
  - 6. Substitutions: Section 01 6000 - Product Requirements.

**2.02 PLASTIC TOILET COMPARTMENTS**

- A. Solid Plastic Toilet Compartments Type SPTP: Factory fabricated doors, pilasters, and divider panels made of solid molded high density polyethylene (HDPE), tested in accordance with NFPA 286; floor-mounted headrail-braced.
  - 1. Color: As selected by Architect from manufacturer's standard offerings.
  - 2. Doors:
    - a. Thickness: 1 inch.
    - b. Width: 24 inch.
    - c. Width for Handicapped Use: 36 inch, out-swinging.
    - d. Height: 55 inch.
  - 3. Panels:

- a. Thickness: 1 inch.
- b. Height: 55 inch.
- c. Depth: As indicated on drawings.
4. Pilasters:
  - a. Thickness: 1 inch.
  - b. Width: As required to fit space; minimum 3 inch.
5. Screens: Without doors; to match compartments; mounted to wall with two panel brackets.

## 2.03 ACCESSORIES

- A. Pilaster Shoes: Stainless steel, satin finish, 3 inches high; concealing floor fastenings.
  1. Provide adjustment for floor variations with screw jack through steel saddles integral with pilaster.
- B. Head Rails: Extruded aluminum, anti-grip profile.
  1. Size: Manufacturer's standard size.
- C. Wall and Pilaster Brackets: Stainless steel; manufacturer's standard type for conditions indicated on drawings.
- D. Attachments, Screws, and Bolts: Stainless steel, tamper proof type.
  1. For attaching panels and pilasters to brackets: Through-bolts and nuts; tamper proof.
- E. Hinges: Stainless steel, manufacturer's standard finish.
  1. Pivot hinges, gravity type, adjustable for door close positioning; two per door.
- F. Door Hardware: Stainless steel, manufacturer's standard finish.
  1. Door Latch: Slide type with exterior emergency access feature.
  2. Door Strike and Keeper with Rubber Bumper: Mount on pilaster in alignment with door latch.
  3. Provide door pull for outswinging doors.
- G. Coat Hook: One per compartment, mounted on door.

## PART 3 EXECUTION

### 3.01 EXAMINATION

- A. Verify that field measurements are as indicated.
- B. Verify correct spacing of and between plumbing fixtures.
- C. Verify correct location of built-in framing, anchorage, and bracing.

### 3.02 INSTALLATION

- A. Install partitions secure, rigid, plumb, and level in accordance with manufacturer's instructions.
- B. Maintain 3/8 inch to 1/2 inch space between wall and panels and between wall and end pilasters.
- C. Attach panel brackets securely to walls using anchor devices.
- D. Attach panels and pilasters to brackets. Locate head rail joints at pilaster center lines.
- E. Field touch-up of scratches or damaged finish will not be permitted. Replace damaged or scratched materials with new materials.

### 3.03 TOLERANCES

- A. Maximum Variation From True Position: 1/4 inch.
- B. Maximum Variation From Plumb: 1/8 inch.

### 3.04 ADJUSTING

- A. Adjust and align hardware to uniform clearance at vertical edge of doors, not exceeding 3/16 inch.



- B. Adjust hinges to position doors in partial opening position when unlatched. Return out-swinging doors to closed position.
- C. Adjust adjacent components for consistency of line or plane.

**END OF SECTION**

**SECTION 10 5126  
PLASTIC LOCKERS**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Solid plastic lockers.

**1.02 RELATED REQUIREMENTS**

- A. Section 03 3000 - Cast-in-Place Concrete: Concrete base construction.
- B. Section 04 2000 - Unit Masonry: Concrete base construction.

**1.03 REFERENCE STANDARDS**

- A. NFPA 286 - Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth; 2015.

**1.04 SUBMITTALS**

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Manufacturer's published data on locker construction, sizes and accessories.
- C. Shop Drawings: Indicate locker plan layout, numbering plan and combination lock code.
- D. Full Size Sample: One full-size locker of each construction specified for evaluation of construction.
- E. Samples: Submit two samples 8 by 8 inches in size, of each color scheduled.
- F. Manufacturer's Installation Instructions: Indicate component installation assembly.

**1.05 DELIVERY, STORAGE, AND HANDLING**

- A. Protect locker finish and adjacent surfaces from damage.

**PART 2 PRODUCTS**

**2.01 MANUFACTURERS**

- A. Solid Plastic Lockers:
  - 1. Basis of Design: Scranton Products; Tufftec Lockers: [www.scrantonproducts.com](http://www.scrantonproducts.com).
  - 2. Other Acceptable Manufacturers:
    - a. Columbia Lockers, a division of PSiSC; PolyLife Lockers: [www.psisc.com/#sle](http://www.psisc.com/#sle).
    - b. List Industries, Inc; AquaMax Solid Plastic Lockers: [www.listindustries.com/#sle](http://www.listindustries.com/#sle).
  - 3. Substitutions: See Section 01 6000 - Product Requirements.
- B. Solid Plastic Cubbies:
  - 1. Basis of Design: Scranton Products; Tufftec Cubbies: [www.scrantonproducts.com](http://www.scrantonproducts.com).
  - 2. Other Acceptable Manufacturers:
    - a. Columbia Lockers, a division of PSiSC; PolyLife Cubbies: [www.psisc.com](http://www.psisc.com).
    - b. Summit Lockers Inc; HDPE Combination Cubbies: [www.summitlockers.com](http://www.summitlockers.com).
  - 3. Substitutions: See Section 01 6000 - Product Requirements.

**2.02 LOCKER APPLICATIONS**

- A. Wardrobe Lockers: Solid plastic lockers, wall mounted for base indicated on drawings.
  - 1. Width: 15 inches.
  - 2. Depth: 18 inches.
  - 3. Height: 72 inches.
  - 4. Locker Configuration: Three tier.
  - 5. Fittings: Size and configuration as indicated on drawings.
    - a. Hooks: One single prong.
  - 6. Ventilation: By horizontal slots at the top and bottom of door.
  - 7. Locking: Padlock hasps, for padlocks provided by Owner.

- B. Open Front Cubbies: Solid plastic wall mounted for base indicated on drawings.
  - 1. Width: 15 inches.
  - 2. Depth: 18 inches.
  - 3. Height: 72 inches.
  - 4. Cubbie Configuration: Four tier.

### **2.03 SOLID PLASTIC LOCKERS**

- A. Lockers: Factory assembled, made of solid plastic panels, tested in accordance with NFPA 286, homogenous color throughout.
  - 1. Material: Solid high density polyethylene (HDPE).
  - 2. Doors: Full overlay without frame.
  - 3. Locker Body Construction: Manufacturer's standard for selected product.
  - 4. Where locker ends or sides are exposed, provide same finish as fronts or provide extra panels to match fronts.
  - 5. Provide filler strips where indicated, securely attached to lockers.
  - 6. Door Color: To be selected by Architect.
  - 7. Body Color: Manufacturer's standard white or light color.
- B. Component Thicknesses:
  - 1. Doors: 1/2 inch minimum thickness.
  - 2. Locker Body: Tops, bottoms, backs, and shelves 3/8 inch minimum.
  - 3. End Panels and Filler Panels: 1/2 inch minimum thickness.
  - 4. Sloped Tops: 1/2 inch minimum thickness.
- C. Hinges: Full height of locker, manufacturer's standard heavy duty type.
- D. Coat Hooks: High impact plastic.
- E. Number Plates: Provide rectangular shaped aluminum plates. Form numbers 1 inch high of block font style with ADA designation, in contrasting color.
- F. Built-In Lock Boxes: Same material as locker, manufacturer's standard size, with padlock hasps, for padlocks provided by Owner.

## **PART 3 EXECUTION**

### **3.01 EXAMINATION**

- A. Verify that prepared bases are in correct position and configuration.
- B. Verify bases and embedded anchors are properly sized.

### **3.02 INSTALLATION**

- A. Install in accordance with manufacturer's instructions.
- B. Place and secure on prepared base.
- C. Install lockers plumb and square.
- D. Secure lockers with anchor devices to suit substrate materials. Minimum Pullout Force: 100 pounds.
- E. Install end panels, filler panels, and sloped tops.
- F. Install fittings if not factory installed.
- G. Replace components that do not operate smoothly.

**END OF SECTION**

### BIDDER QUESTION LOG

Project Name: Orange Beach High School Field House  
Project: 20-09

No.	Scope	Date	Sheet or Spec	Question	Source	Architect/Engineer or Owner Response	Response Date
1.	All	2021.01.08	Spec	There is no locker spec, but finish schedule says see spec for locker details. Find out if city is providing these or if we need to add a spec.	Republic Storage	Architect: We will add this in Addendum No. 1.	2021.01.08
2.	All	2021.01.11	Spec	Part of the project includes toilet partition/compartments and lockers. There is no Spec Section for these items included in the Spec Book. Please advise	Green Simmons David Smith Davin@green-simmons.com	Architect: We will add toilet partition spec in Addendum No. 1.	2021.01.11
3.	All	2021.01.13	-	<p>1.Can you confirm if Orange Beach Water Authority is responsible for making the water taps/connection at the road?</p> <p>2.The drawings indicate material supplied by them but was not sure if they made the taps, made the run across the street, etc.</p>	John Ott M.W. Rogers john@mwrogers.net	<p>Civil/Engineer: 1-OBWA will make the actual tap to the existing line along William Silvers Pkwy, however, the contractor will have to excavate around the existing line for OBWA to make the tap.</p> <p>2. OBWA will make the tap to the existing line on William Silvers Pkwy and provide all of the materials for the 8" line extension to the site, however, the contractor will have to do all of the asphalt and curb removal, excavation, installation of the 8" line, installation of the 8" valve and plug, backfilling of the line, grassing of excavated area, and patching of concrete curb and asphalt.</p>	2021.01.14 Prebid Mtg

No.	Scope	Date	Sheet or Spec	Question	Source	Architect/Engineer or Owner Response	Response Date
				3.Can you please clarify where their work starts, and plumbing work begins?		3. The only work that OBWA will be doing is the actual tap to the existing line. OBWA will provide the materials for the 8" waterline extension, but all work will be done by the contractor for this line (minus the actual tap). The contractor's price for the 2-inch service line shall include labor AND materials for all items shown.	2021.01.14 Prebid Mtg
4.	All	2021.01.13	-	Are there any impact/tap fees associated with the utility tie ins?	John Ott M.W. Rogers john@mwrogers.net	Civil/Engineer: OBWA has waived fees for school related projects in the past. We have submitted plans to OBWA for review and approval to wave fees for this project.	2021.01.14 Prebid Mtg
5.	All	2021.01.13	-	Building permit from Orange Beach required?	John Ott M.W. Rogers john@mwrogers.net	Owner: State Permit is required, but you must go through normal permitting process for Building Dept. review.	2021.01.14 Prebid Mtg
6.	All	2021.01.13	-	Is material testing cost by GC? (soil, concrete, masonry grout)?	John Ott M.W. Rogers john@mwrogers.net	Owner: The City will cover material testing.	2021.01.14 Prebid Mtg
7.	All	2021.01.13	Spec	Do shower walls get tile? if so, please provide specification	John Ott M.W. Rogers john@mwrogers.net	Architect: No, there is an epoxy coating.	2021.01.14 Prebid Mtg
8.	All	2021.01.13	Spec	Do you have a door hardware specification or allowance amount for door hardware?	John Ott M.W. Rogers john@mwrogers.net	Architect: Spec to be added in Addendum 1.	2021.01.14 Prebid Mtg

No.	Scope	Date	Sheet or Spec	Question	Source	Architect/Engineer or Owner Response	Response Date
9.	All	2021.01.13	Spec	Drawing A4.1 and 1/A2.1 show R-30 insulation on the ceiling. The specifications indicate that it is to be at the roof line. Which is correct?	John Ott M.W. Rogers john@mwrogers.net	Architect: The drawing is correct. Attic insulation shall be on gyp ceiling (bottom of chord of trusses).	2021.01.14 Prebid Mtg
10.	All	2021.01.13	-	Non-Load bearing CMU walls. What is the finished height above finished floor for these walls?	John Ott M.W. Rogers john@mwrogers.net	Architect: 8" above wall	2021.01.14 Prebid Mtg
11.	All	2021.01.13	Spec	There are lockers shown on floor plan. Do we include these in our price? If so, please provide specification.	John Ott M.W. Rogers john@mwrogers.net	Architect: Spec to be added in Addendum 1.	2021.01.14 Prebid Mtg
12.	All	2021.01.14	-	What is existing floor?	Brandi Robinson Highland Wake b.robinson@highlandwake.com	Architect: Concrete	2021.01.14 Prebid Mtg
13.	All	2021.01.14	-	Clarify existing bubbles on E sheets around lights.	David Smith, Green Simmons davin@green-simmons.com	MEP: Bubbles are from comments made by the Building Commission. These will be removed in the construction set.	2021.01.14 Prebid Mtg
14.	All	2021.01.14	-	Is there telecommunication to tie into?	Brandi Robinson Highland Wake b.robinson@highlandwake.com	Architect: No	2021.01.14 Prebid Mtg
15.	All	2021.01.14	-	Please clarify that the showers do not receive any type of tile (as shown in detail 7 of A 5.1) only the epoxy on cmu per the finish schedule.	Brandi Robinson Highland Wake b.robinson@highlandwake.com	Architect: No	2021.01.14 Prebid Mtg
16.	All	2021.01.14	-	Please confirm that the HVAC Controls do not have to integrate into the existing BMS, only be capable of integrating if required at a later date.	Brandi Robinson Highland Wake b.robinson@highlandwake.com	Architect: No	2021.01.14 Prebid Mtg
17.	All	2021.01.14	-	Please verify the fire alarm system provider that is to be integrated into is Hunter Security.	Brandi Robinson Highland Wake b.robinson@highlandwake.com	Architect: No	2021.01.14 Prebid Mtg

No.	Scope	Date	Sheet or Spec	Question	Source	Architect/Engineer or Owner Response	Response Date
18.	All	2021.01.14	-	What is the existing roof pitch?	Brandi Robinson Highland Wake b.robinson@highlan dwake.com	Architect: It looks to be 6/12 but you will need to verify this with your sub.	2021.01.14 Prebid Mtg
19.	All	2021.01.14	-	Are there 6 draft stops?	David Smith, Green Simmons davin@green- simmons.com	Architect: No, only 1.	2021.01.14 Prebid Mtg
20.	All	2021.01.14	-	Can you clarify the draft stop condition?	David Smith, Green Simmons davin@green- simmons.com	Architect: Draft stop will need to be integrated into truss.	2021.01.14 Prebid Mtg
21.	All	2021.01.14	-	Is that a loadbearing wall?	David Smith, Green Simmons davin@green- simmons.com	Architect: No.	2021.01.14 Prebid Mtg
22.	All	2021.01.14	-	Are we doing drywall from the roof deck?	David Smith, Green Simmons davin@green- simmons.com	Architect: Draft stop will need to be integrated into truss.	2021.01.14 Prebid Mtg
23.	All	2021.01.14	-	The civil drawings do not show new exterior grades at the back of the new building. The existing grade change is about 3-foot front to back. So, does that mean that we need to step the footings to maintain a minimum coverage on the outside of the building so that we keep the existing exterior grades? If so, what is that coverage required? Or will the footings stay the same elevation and the exterior grade slope to meet existing grade? The latter option would be cheaper in my opinion.	Jerry Gordon, Gordon & Zakary, jerry@gordonzakary .com	Civil: The building shall tie into existing grades. Therefore, the footings will be stepped.	2021.01.15 Prebid Mtg

No	Scope	Date	Sheet or Spec	Question	Source	Architect/Engineer or Owner Response	Response Date
24.	All	2021.01.14	-	Do you have a budget?	Jerry Gordon, Gordon & Zakary, jerry@gordonzakary.com	Owner: \$550,000.00	2021.01.15 Prebid Mtg
25.	All	2021.01.14	-	When is Notice to Proceed anticipated and what is absolute latest for completion?	Jerry Gordon, Gordon & Zakary, jerry@gordonzakary.com	Owner: Anticipated is NTP Feb. 9 and SC is July.	2021.01.15 Prebid Mtg
26.	All	2021.01.14	-	Will the building be occupied during construction?	Russell Smith, Harris Construction Russell@harrisconstruction.com	Owner: No	2021.01.15 Prebid Mtg
27.	All	2021.01.14	-	Who is responsible for permitting?	Brandi Robinson Highland Wake b.robinson@highlandwake.com	Architect: General Contractor.	2021.01.14 Prebid Mtg
28.	All	2021.01.14	Spec	In the next addendum for Orange Beach field house, can you indicate that spec section 167300 – Clock system has been deleted? We don't show any central clocks on the plans and the school board prefers to use a stand-alone battery-operated clock in the gym area.	Arun Varghese, Electrical Engineer, H.M. Yonge & Associates, 850.434.2661	Architect: This will be deleted and addressed in Addendum No. 1.	2021.01.14
29.	All	2021.01.14	-	Do you think the construction timeline is unreasonable?	Architect to Bidders	Undercutting might cause a delay – Russell from Harris Construction	2021.01.15 Prebid Mtg



**PRE-BID SIGN-IN SHEET**

Project Name: Orange Beach High School Field House

Project No. 20-09

1.	John Ott	M.W. Rogers Construction	251-479-5350	john@mwrogers.net
2.	Davin Smith	Green Simmons Construction	850-429-0144	davinl@green-simmons.com
3.	Brandi Robinson	Highland Group	251-213-7454	b.robinson@highlandsgroup.org
4.	Russell Smith	Phil Harris Construction	251-968-7128	russell@harrisconstruction.net
5.	Jerry Gordon	Gordon & Zakary, Inc.	251.379.6950	jerry@gordonzakary.com
6.	Joy Gordon	Joy Gordon Construction	850.465.3043	joy@joygordonconstruction.com
7.	Brian Wittendorfer	BCM Moring Company, Inc.	251.404.6087	bwittendorfer@bcmmoring.com
8.	John Harris	Harris Contracting Services	251.454.5142	john@harriscontractingservices.net
9.	Dave Empfield	Perdue Construction	334.244.0751	perdueconstructioncompany@yahoo.com



**ORANGE BEACH HIGH SCHOOL FIELD HOUSE  
PRE-BID MEETING SIGN-IN SHEET**  
Mandatory Pre-Bid -Thursday January 14, 2021 - 10:00 AM

NAME	COMPANY	EMAIL	PHONE
1. <u>DAVE EMPFIELDS</u>	<u>PERDUE CONSTRUCTION</u>	<u>PERDUECONSTRUCTIONCOMPANY@YAHOO.COM</u>	<u>334-244-0751</u>
2. <u>DAVIN SMITH</u>	<u>GREEN-SIMMONS</u>	<u>DAVIN@GREEN-SIMMONS.COM</u>	<u>850-429-0144</u>
3. <u>JAY GORDON</u>	<u>JAY GORDON CONSTRUCTION</u>	<u>JAY@JAYGORDONCONSTRUCTION.COM</u>	<u>850-445-3043</u>
4. <u>BRIAN WITTENDORFER</u>	<u>BCM MORNING COMPANY, INC.</u>	<u>BWITTENDORFER@BCMORNING.COM</u>	<u>251-404-6087</u>
5. <u>BRANDI ROBINSON</u>	<u>HIGHLAND WAKE CONSTRUCTION</u>	<u>B.ROBINSON@HIGHLANDGROUP.ORG</u>	<u>251-422-6730</u>
6. <u>JEFF OTTS</u>	<u>MW ROGERS CONSTRUCTION</u>	<u>JEFF@MWRGERS.NET</u>	<u>251-479-5350</u>
7. <u>JOHN HARRIS</u>	<u>HARRIS CONTRACTING SERVICES</u>	<u>JOHN@HARRISCONTRACTINGSERVICES.COM</u>	<u>251-454-5142</u>
8. <u>RUSSELL SMITH</u>	<u>PHIL HARRIS CONSTRUCTION</u>	<u>RUSSELL@HARRISCONSTRUCTION.NET</u>	<u>251-968-7128</u>
9. <u>JERRY GORDON</u>	<u>GORDON &amp; ZAKARY, INC</u>	<u>JERRY@GORDONZAKARY.COM</u>	<u>(251)379-6950</u>