



PIKE ■ McFARLAND ■ HALL  
ASSOCIATES, INC.  
ARCHITECTS AND PLANNERS

**ADDENDUM NO. 1**

**ALTERATIONS & ADDITIONS TO:  
POLICE ANNEX TRAINING CENTER  
MARKET COMMON**

Myrtle Beach, South Carolina  
December 6, 2019

NOTE: ADDENDUM NO. 1 HAS BEEN SENT TO GENERAL CONTRACTORS ONLY. GENERAL CONTRACTORS ARE RESPONSIBLE FOR COMMUNICATION OF THE ITEMS CONTAINED WITHIN THIS ADDENDUM TO APPROPRIATE SUB-CONTRACTORS.

THIS ADDENDUM CONTAINS:

- SEVEN (7) PAGES OF WRITTEN ADDENDUM
- TWELVE (12) PAGES OF SPECIFICATIONS
- ONE (1) PAGE OF BULLETIN DRAWING
- FIVE (5) PAGES OF PRE-BID SIGN-IN

**CLARIFICATIONS**

- A. The General Contractor is to clean all exterior construction areas of litter, loose papers, debris, etc... on a daily basis and dispose of appropriately so that debris does not gain access to the airfield.

**QUESTIONS AND ANSWERS**

**Q1. WHEN IS THE LAST DAY AND TIME FOR BID QUESTIONS?**

A1. *Wednesday, January 8<sup>th</sup>, 2020 at 2:00 PM.*

**Q2. Please confirm that the bids are to be delivered to the Procurement Office at 3231 Mr. Joe White Avenue, Myrtle Beach, SC 29577.**

A2. *As specified in the Documents, the Bid Opening Location is the City of Myrtle Beach Purchasing Department, 3231 Mr. Joe White Avenue, Myrtle Beach, SC 29578*

**Q3. AIA Document A701, Article 4.1.7 states "...the Bidder shall provide evidence of its legal authority to perform the work in the jurisdiction..." Is listing the general contractor's license number on the bid form sufficient evidence?**

A3. *Yes, along with the Corporate Seal.*

**Q4. On the form 002218 – Bidder’s Representation, what is to be inserted on the top two lines?**

A4. *Please omit the top two blank lines.*

**Q5. On the form, document 004393 – Bid Submittal Checklist:**

**1.1B – Prime Contract: Since we will be bidding as the general contractor, are the words ‘general contractor’ to be inserted here?**

**1.2.19 and 20. Are any documents to be attached verifying these two?**

A5. *1.1B – Just insert the same information as the item above.*

*1.2.19 and .20 – Just check mark all items to confirm items are included or can be achieved.*

**Q6. What is the estimated value?**

A6. *\$3.5M+*

**Q7. Property insurance (builder’s risk insurance):**

**In the Supplementary Conditions, Article 11.3.1 states that the Owner will purchase builder’s risk. However, it also states that the insurance will not cover any loss by theft or burglary, or damage to the building or contents as a result of said theft or burglary. Whenever two companies carry builder’s risk on the same project, this may cause confusion if a claim is made. Can the theft and burglary coverage, etc. be added as covered by the Owner’s builder’s risk insurance also?**

A7. *No the Owner can NOT add this to their coverage.*

## **SPECIFICATIONS**

1. DOCUMENT 002214 – GENERAL CONDITIONS (AIA DOCUMENT A201 – 2017)

A. Contractor’s attention is directed to Article 3.7.1. Contractor is advised to omit in its entirety and replace with the following”

“... the contractor shall secure and pay for all permits (with exception of the Building Permit), fees, licenses, and inspections by...”

2. **SECTION 002215 - SUPPLEMENTARY CONDITIONS**

**A. Contractor’s attention is directed to Article 3.1.2.1. Contractor is advised to omit this item its entirety.**

3. SECTION 002600 – PROCUREMENT SUBSTITUTION PROCEDURES

A. Contractor’s attention is directed to 1.4, A, 2. Contractor is advised the referenced CSI Substitution Request Form 1.5C is attached herewith and consists of 1 page.

B. Contractor’s attention is directed to 1.4, A, 2. Contractor is advised to omit add the following:

“a. Identify the product or the fabrication or installation method to be replaced in each request. Include related Specifications Sections and drawing numbers.

- b. Provide complete documentation on both the product specified and the proposed substitute, including the following information as appropriate:
    - 1) Point-by-point comparison of specified and proposed substitute product data, fabrication drawings, and installation procedures.
    - 2) Copies of current, independent third-party test data of salient product or system characteristics.
    - 3) Samples where applicable or when requested by Architect.
    - 4) Detailed comparison of significant qualities of the proposed substitute with those of the Work specified. Significant qualities may include attributes such as performance, weight, size, durability, visual effect, sustainable design characteristics, warranties, and specific features and requirements indicated. Indicate deviations, if any, from the Work specified.
    - 5) Material test reports from a qualified testing agency indicating and interpreting test results for compliance with requirements indicated.
    - 6) Research reports, where applicable, evidencing compliance with building code in effect for Project.
    - 7) Coordination information, including a list of changes or modifications needed to other parts of the Work and to construction performed by Owner and separate contractors, which will become necessary to accommodate the proposed substitute.
  - b. Provide certification by manufacturer that the substitute proposed is equal to or superior to that required by the Procurement and Contracting Documents, and that its in-place performance will be equal to or superior to the product or equipment specified in the application indicated.
  - c. Bidder, in submitting the Procurement Substitution Request, waives the right to additional payment or an extension of Contract Time because of the failure of the substitute to perform as represented in the Procurement Substitution Request.”
- C. Contractor’s attention is directed to 1.4, A, 3. Contractor is advised to omit in its entirety.”
4. SECTION 004113 – BID FORM – STIPULATED SUM (SINGLE PRIME CONTRACT)
    - A. Contractor’s attention is directed to SECTION 004113 - BID FORM – STIPULATED SUM (SINGLE PRIME CONTRACT), Article 1.11, A. Contractor is advised to replace the year 2019 with 2020.
  5. SECTION 004321 – ALLOWANCE FORM
    - A. Contractor’s attention is directed to SECTION 004321 – ALLOWANCE FORM, Article 1.3, A. Contractor is advised to replace the year 2012 with 2020.
  6. SECTION 004322 – UNIT PRICES FORM
    - A. Contractor’s attention is directed to SECTION 004322 – UNIT PRICES FORM, Article 1.4, A. Contractor is advised to replace the year 2019 with 2020.
  7. SECTION 012300 – ALTERNATES
    - A. Contractor’s attention is directed to 3.1. Contractor is advised to add the following:

“D. ADD ALTERNATE NO. 4: PAINTING IN EXISTING SPACES

      1. Contractor shall state price, which would represent all labor and materials required to prep and paint all existing spaces not in the base bid. Refer to Finish Schedule A5.1. Owner is responsible for removing and re-installation of all existing markerboards, tackboards, wall hangings, etc.”

8. SECTION 015000 – TEMPORARY FACILITIES AND CONTROLS

- A. Contractor's attention is directed to SECTION 015000 – TEMPORARY FACILITIES AND CONTROLS, Contractor is advised to omit this Section in its entirety and replace with SECTION 015000 – TEMPORARY FACILITIES AND CONTROLS (attached herewith) consisting of 8 pages.

9. SECTION 04222 – BRICK MASONRY UNITS

- A. Contractor's attention is directed to 2.2, B, 1. Contractor is advised to add "by Palmetto Brick" at the end.

10. SECTION 07720 – ROOF ACCESSORIES

- A. Contractor's attention is directed to SECTION 07720 – ROOF ACCESSORIES. Contractor is advised to omit this section in its entirety and replace with Section 07720 – ROOF ACCESSORIES (attached herewith) consisting of 3 pages.

11. SECTION 10222 – OPERABLE PARTITIONS

- A. Contractor's attention is directed to 2.1, B, 1. Contractor is advised to omit the reference to "#932".

12. SECTION 10801 – TOILET AND BATH ACCESSORIES

- A. Contractor's attention is directed to 2.1, 2, a. Contractor is advised to omit this item in its entirety.

**DRAWINGS**

1. SHEET D1.0 – DEMOLITION – EXISTING FLOOR PLAN

- A. Contractor's attention is directed to the Firing Range. Contractor is advised to omit this box in its entirety and replace with the following:

"NOTES:

1. Contractor shall remove all existing act & grid, gyp board ceiling, and lighting over shooting stalls & firing range.
2. Contractor shall remove control boxes, target rails, disassemble shooting stalls and all associates items. Contractor is responsible for visual inspection & documenting any cracks, chips, etc, of shooting stall glazing prior to removing. Contractor to provide secure storage for stall glazing and associate items. Contractor will be responsible for replacing any glazing damaged during removal.
3. Vendor will be responsible for re-assembling the shooting stalls, rails, baffles and associated items once construction is completed in firing range area.
4. Upgrade existing bullet trap to Meggitt Model LE7500 OT.
5. Contractor shall remove all electrical outlets and covers in the firing range area. Openings shall be patched and matched to existing wall.
6. Lead abatement has been done. Owner to provide abatement certificate."

2. SHEET A1.0 – OVERALL FLOOR PLAN

- A. Contractor's attention is directed to Bulletin Drawing B-1 (attached herewith) consisting of 1 page dated 12/04/19 for revisions to Space 123 Crime Scene Processing Room shown in Detail 1/A1.0.

3. SHEET P2.1 – ENLARGED FLOOR PLAN

- A. Contractor's attention is directed to P-6 ADA Shower Unit. Contractor is advised to add the following to the BASIC FIXTURE column:

"Provide fold-up seat, curtain rod, shower curtain and soap dish."

- B. Contractor's attention is directed to P-7 Fiberglass Shower. Contractor is advised to add the following to the BASIC FIXTURE column:

"Provide curtain rod and shower curtain."

**AGENDA FOR PRE-BID CONFERENCE OF December 3, 2019**

**I. SIGN-IN LOG**

**II. INTRODUCTIONS**

- A. CITY OF MYRTLE BEACH REPRESENTATIVES:

Jay Hood, Capitol Projects Director  
Bruce Boulineau, Special Projects  
Doug Furlong, Police Lieutenant  
Marty Brown, Assistant Police Chief

- B. PIKE - McFARLAND - HALL ASSOCIATES, INC. REPRESENTATIVES:

Joseph C. Pike, AIA, Project Architect  
Diane Price, AAIA, Project Manager

**III. PROJECT SCOPE**

- B. The Work of Project is defined by the Contract Documents and consists of the following:

1. Approximately 11,399 square foot 2-story addition consisting of bar joist, wood trusses, masonry exterior walls with brick and EFIS. Alterations to portions of the existing building; new stud walls, finishes and lighting. Installation of sprinkler system in new construction and existing building. Existing Firing Range to receive new equipment, ie: baffles, bullet trap, target rails, etc. Minor plumbing, HVAC and electrical work will be required in the existing building.
2. Code classification for Occupancy = Mixed use – Not separated, Sprinklered, A3/B multi-story 2 floors.
3. Construction type = IIIB

**IV. SCHEDULE**

- A. Construction Duration: Three hundred Sixty-five (365) Calendar Days from the date of Commencement.

**V. BIDS, BID DATE AND LOCATION**

- A. **Thursday, January 16, 2020 no later than 2:00 PM Local time.**

- B. **Deliver bids to the Purchasing Department for the City of Myrtle Beach, 3231 Joe White Avenue, Myrtle Beach, SC 29577 until 2:00 PM.**

- C. Original sealed bids to be hand delivered or received via carrier service by time and date stipulated above. Bids submitted after the time and date set for the receipt will be returned to the Bidder unopened.
- D. No facsimile, email or telephone bids will be accepted.

## VI. INSTRUCTIONS TO BIDDERS

### A. Addenda

- 1. The deadline for request of prior approvals is **Monday January 6<sup>th</sup>, 2020 at 2:00 PM.**
- 2. The deadline for submitting questions is **Wednesday January 8<sup>th</sup>, 2020 at 2:00 PM.**
- 3. The last addenda will be issued **Friday January 10<sup>th</sup>, 2020.**

### B. Preparation of Bids

- 1. Bids shall be submitted on BID FORM contained in Specification Section 004113 with all blanks filled in:
  - a. Bidders Name
  - b. Base Bid Price
  - c. Bid Guarantee Price
  - d. Alternate Pricing
  - e. Listing of Sub-Contractors
  - f. Unit Pricing
  - g. Acknowledgement of Addenda
  - h. Contractor's Information
  - i. Federal ID Number
- 2. BID FORM shall be submitted with:
  - a. Bid Form Supplement – Unit Prices
  - b. Bid Form Supplement – Allowances
  - c. Bid Form Supplement – Bid Bond
  - d. Bid Form Supplement – Local Vendor Preference
  - e. Bid Form Supplement – Bid Bond or a Certified Check
  - f. Bid Form Supplement – Bidder's Representation
  - g. Bid Form Supplement – Non-Collusion Affidavit of Prime Bidder
  - h. Bid Form Supplement – Statement of Experience of the Bidder
  - i. Bid Form Supplement – Project Superintendence
  - j. Bid Form Supplement – Statement of License Certificate
- 3. Duration of Offer: Bids will be binding for sixty (60) days after the bid closing date

### C. Bid Bond

- 1. Bid Bond of five percent (5%) of the bidder's Base Bid price (excluding alternates and/or optional bid items) is required to be submitted with bidder's bid.

### D. Performance & Payment Bonds

- 1. Successful bidder will be required to furnish:
  - a. Performance Bond
  - b. Labor and Material Payment Bond

## **VII. QUESTIONS**

### **MEETING MINUTES FOR PRE-BID CONFERENCE OF December 3, 2019**

1. Bruce Boulineau will be on the Onsite Representative for the City of Myrtle Beach.
2. Normal work hours for the Police Annex are from 8:00 AM – 5:00 PM, however Doug Furlong stated that they can be flexible regarding hours and can have the building opened at 7:00 AM.
3. Parking will be available for the General Contractor, Sub-Contractors, Vendors, etc... in the lot at the corner of Airdrome Avenue and Corsair Street.
4. There will be no impact fees associated with this project.
5. General Contractor is to remove all existing lattice partitions in mezzanine level.
6. General Contractor is to include the cost in their Base Bid to remove and replace 10 sheets of damaged and/or moldy 5/8" gypsum board located at the ceiling of the mezzanine.
7. Refer to Bulletin Drawing B-1 for revision to opening at Crime Scene Processing Room #123.
8. Clarification: Signage will be required for new construction and existing areas renovated for new use only. All other existing signage is to remain.

### **IN ATTENDANCE AT PRE-BID CONFERENCE**

Contractor's attention is directed to the Pre-Bid Sign-In Sheet (attached herewith) and consisting of 5 pages.

**END OF ADDENDUM NO. 1**

CSI Form 1.5C

**SUBSTITUTION  
REQUEST**  
(During the Bid Period)

Project: \_\_\_\_\_ Substitution Request Number: \_\_\_\_\_

From: \_\_\_\_\_

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

A/E Project Number: \_\_\_\_\_

Re: \_\_\_\_\_ Contract For: \_\_\_\_\_

Specification Title: \_\_\_\_\_ Description: \_\_\_\_\_

Section: \_\_\_\_\_ Page: \_\_\_\_\_ Article/Paragraph: \_\_\_\_\_

Proposed Substitution: \_\_\_\_\_

Manufacturer: \_\_\_\_\_ Address: \_\_\_\_\_ Phone: \_\_\_\_\_

Trade Name: \_\_\_\_\_ Model No.: \_\_\_\_\_

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by: \_\_\_\_\_

Signed by: \_\_\_\_\_

Firm: \_\_\_\_\_

Address: \_\_\_\_\_

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

A/E's REVIEW AND ACTION

- Substitution approved - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
- Substitution approved as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
- Substitution rejected - Use specified materials.
- Substitution Request received too late - Use specified materials.

Signed by: \_\_\_\_\_

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

Supporting Data Attached:  Drawings  Product Data  Samples  Tests  Reports  \_\_\_\_\_



## SECTION 015000 - TEMPORARY FACILITIES AND CONTROLS

### PART 1 - GENERAL

#### 1.1 SUMMARY

- A. Section includes requirements for temporary utilities, support facilities, and security and protection facilities.
- B. Related Requirements:
  - 1. Section 011000 "Summary" for work restrictions and limitations on utility interruptions.

#### 1.2 USE CHARGES

- A. General: Installation and removal of and use charges for temporary facilities shall be included in the Contract Sum unless otherwise indicated. Allow other entities engaged in the Project to use temporary services and facilities without cost, including, but not limited to, Owner's construction forces, Architect, occupants of Project, testing agencies, and authorities having jurisdiction.
- B. Water and Sewer Service from Existing System: Water from Owner's existing water system is available for use without metering and without payment of use charges. Provide connections and extensions of services as required for construction operations.
- C. Electric Power Service from Existing System: Electric power from Owner's existing system is available for use without metering and without payment of use charges. Provide connections and extensions of services as required for construction operations.

#### 1.3 INFORMATIONAL SUBMITTALS

- A. Site Utilization Plan: Show temporary facilities, temporary utility lines and connections, staging areas, construction site entrances, vehicle circulation, and parking areas for construction personnel.
- B. Project Identification and Temporary Signs: Show fabrication and installation details, including plans, elevations, details, layouts, typestyles, graphic elements, and message content.
- C. Fire-Safety Program: Show compliance with requirements of NFPA 241 and authorities having jurisdiction. Indicate Contractor personnel responsible for management of fire-prevention program.
- D. Moisture-and Mold-Protection Plan: Describe procedures and controls for protecting materials and construction from water absorption and damage and mold.
- E. Dust- and HVAC-Control Plan: Submit coordination drawing and narrative that indicates the dust- and HVAC-control measures proposed for use, proposed locations, and proposed time frame for their operation. Include the following:
  - 1. Locations of dust-control partitions at each phase of work.
  - 2. HVAC system isolation schematic drawing.
  - 3. Location of proposed air-filtration system discharge.
  - 4. Waste-handling procedures.
  - 5. Other dust-control measures.

#### 1.4 QUALITY ASSURANCE

- A. Electric Service: Comply with NECA, NEMA, and UL standards and regulations for temporary electric service. Install service to comply with NFPA 70.
- B. Tests and Inspections: Arrange for authorities having jurisdiction to test and inspect each temporary utility before use. Obtain required certifications and permits.
- C. Accessible Temporary Egress: Comply with applicable provisions in the United States Access Board's ADA-ABA Accessibility Guidelines.

#### 1.5 PROJECT CONDITIONS

- A. Temporary Use of Permanent Facilities: Engage Installer of each permanent service to assume responsibility for operation, maintenance, and protection of each permanent service during its use as a construction facility before Owner's acceptance, regardless of previously assigned responsibilities.

### PART 2 - PRODUCTS

#### 2.1 TEMPORARY FACILITIES

- A. Field Offices, General: Prefabricated or mobile units with serviceable finishes, temperature controls, and foundations adequate for normal loading.
- B. Common-Use Field Office: Of sufficient size to accommodate needs of Owner, Architect, and construction personnel office activities and to accommodate Project meetings specified in other Division 01 Sections. Keep office clean and orderly. Furnish and equip offices as follows:
  - 1. Furniture required for Project-site documents including file cabinets, plan tables, plan racks, and bookcases.
  - 2. Conference room of sufficient size to accommodate meetings of 10 individuals. Provide electrical power service and 120-V ac duplex receptacles, with no fewer than one receptacle on each wall. Furnish room with conference table, chairs, and 4-foot- (1.2-m-) square tack and marker boards.
  - 3. Drinking water and private toilet.
  - 4. Heating and cooling equipment necessary to maintain a uniform indoor temperature of 68 to 72 deg F (20 to 22 deg C).
  - 5. Lighting fixtures capable of maintaining average illumination of 20 fc (215 lx) at desk height.

#### 2.2 EQUIPMENT

- A. Fire Extinguishers: Portable, UL rated; with class and extinguishing agent as required by locations and classes of fire exposures.
- B. HVAC Equipment: Unless Owner authorizes use of permanent HVAC system, provide vented, self-contained, liquid-propane-gas or fuel-oil heaters with individual space thermostatic control.
  - 1. Use of gasoline-burning space heaters, open-flame heaters, or salamander-type heating units is prohibited.
  - 2. Permanent HVAC System: If Owner authorizes use of permanent HVAC system for temporary use during construction, provide filter with MERV of 8 Insert number at each return-air grille in system and remove at end of construction. Retain "Air-Filtration Units" Paragraph below if negative-air-filtration units are required to maintain dust control for renovation work within occupied environments.

- C. Air-Filtration Units: Primary and secondary HEPA-filter-equipped portable units with four-stage filtration. Provide single switch for emergency shutoff. Configure to run continuously.

## PART 3 - EXECUTION

### 3.1 TEMPORARY FACILITIES, GENERAL

- A. Conservation: Coordinate construction and use of temporary facilities with consideration given to conservation of energy, water, and materials. Coordinate use of temporary utilities to minimize waste.
  - 1. Salvage materials and equipment involved in performance of, but not actually incorporated into, the Work. See other Sections for disposition of salvaged materials that are designated as Owner's property.

### 3.2 INSTALLATION, GENERAL

- A. Locate facilities where they will serve Project adequately and result in minimum interference with performance of the Work. Relocate and modify facilities as required by progress of the Work.
- B. Provide each facility ready for use when needed to avoid delay. Do not remove until facilities are no longer needed or are replaced by authorized use of completed permanent facilities.

### 3.3 TEMPORARY UTILITY INSTALLATION

- A. General: Install temporary service or connect to existing service.
  - 1. Arrange with utility company, Owner, and existing users for time when service can be interrupted, if necessary, to make connections for temporary services.
- B. Sewers and Drainage: Provide temporary utilities to remove effluent lawfully.
  - 1. Connect temporary sewers to municipal system private system indicated as directed by authorities having jurisdiction.
- C. Water Service: Install water service and distribution piping in sizes and pressures adequate for construction.
- D. Sanitary Facilities: Provide temporary toilets, wash facilities, and drinking water for use of construction personnel. Comply with requirements of authorities having jurisdiction for type, number, location, operation, and maintenance of fixtures and facilities.
- E. Temporary Heating and Cooling: Provide temporary heating and cooling required by construction activities for curing or drying of completed installations or for protecting installed construction from adverse effects of low temperatures or high humidity. Select equipment that will not have a harmful effect on completed installations or elements being installed.
  - 1. Provide temporary dehumidification systems when required to reduce ambient and substrate moisture levels to level required to allow installation or application of finishes and their proper curing or drying.
- F. Isolation of Work Areas in Occupied Facilities: Prevent dust, fumes, and odors from entering occupied areas.
- G. Electric Power Service: Provide electric power service and distribution system of sufficient size, capacity, and power characteristics required for construction operations.

1. Install electric power service overhead unless otherwise indicated.
- H. Lighting: Provide temporary lighting with local switching that provides adequate illumination for construction operations, observations, inspections, and traffic conditions.
  1. Install and operate temporary lighting that fulfills security and protection requirements without operating entire system.
- I. Telephone Service: Provide temporary telephone service in common-use facilities for use by all construction personnel. Install WiFi cell phone access equipment.

### 3.4 SUPPORT FACILITIES INSTALLATION

- A. General: Comply with the following:
  1. Provide construction for temporary offices, shops, and sheds located within construction area or within 30 feet (9 m) of building lines that is noncombustible according to ASTM E 136. Comply with NFPA 241.
  2. Maintain support facilities until Architect schedules Substantial Completion inspection. Remove before Substantial Completion. Personnel remaining after Substantial Completion will be permitted to use permanent facilities, under conditions acceptable to Owner.
- B. Temporary Roads and Paved Areas: Construct and maintain temporary roads and paved areas adequate for construction operations. Locate temporary roads and paved areas within construction limits indicated on Drawings.
  1. Provide dust-control treatment that is nonpolluting and nontracking. Reapply treatment as required to minimize dust.
- C. Traffic Controls: Comply with requirements of authorities having jurisdiction.
  1. Protect existing site improvements to remain including curbs, pavement, and utilities.
  2. Maintain access for fire-fighting equipment and access to fire hydrants.
- D. Parking: Provide temporary parking areas for construction personnel.
- E. Dewatering Facilities and Drains: Comply with requirements of authorities having jurisdiction. Maintain Project site, excavations, and construction free of water.
  1. Dispose of rainwater in a lawful manner that will not result in flooding Project or adjoining properties or endanger permanent Work or temporary facilities.
  2. Remove snow and ice as required to minimize accumulations.
- F. Project Signs: Provide Project signs as indicated. Unauthorized signs are not permitted. The Contractor may place and maintain one sign board on the Project site. No other commercial or advertising signs will be allowed on the work site or on public property in the vicinity of the work. The layout and content of the sign shall be approved by the Owner.
  1. Identification Signs: Provide Project identification signs as indicated on Drawings.
  2. Temporary Signs: Provide other signs as indicated and as required to inform public and individuals seeking entrance to Project.
    - a. Provide temporary, directional signs for construction personnel and visitors.
  3. Maintain and touch up signs so they are legible at all times.

- G. Waste Disposal Facilities: Provide waste-collection containers in sizes adequate to handle waste from construction operations. Comply with requirements of authorities having jurisdiction. Comply with progress cleaning requirements in Section 017300 "Execution."
- H. Lifts and Hoists: Provide facilities necessary for hoisting materials and personnel.
  - 1. Truck cranes and similar devices used for hoisting materials are considered "tools and equipment" and not temporary facilities.
- I. Existing Elevator Use: Use of Owner's existing elevators will be permitted, provided elevators are cleaned and maintained in a condition acceptable to Owner. At Substantial Completion, restore elevators to condition existing before initial use, including replacing worn cables, guide shoes, and similar items of limited life.
  - 1. Do not load elevators beyond their rated weight capacity.
  - 2. Provide protective coverings, barriers, devices, signs, or other procedures to protect elevator car and entrance doors and frame. If, despite such protection, elevators become damaged, engage elevator Installer to restore damaged work so no evidence remains of correction work. Return items that cannot be refinished in field to the shop, make required repairs and refinish entire unit, or provide new units as required.
- J. Temporary Stairs: Until permanent stairs are available, provide temporary stairs where ladders are not adequate.
- K. Existing Stair Usage: Use of Owner's existing stairs will be permitted, provided stairs are cleaned and maintained in a condition acceptable to Owner. At Substantial Completion, restore stairs to condition existing before initial use.
  - 1. Provide protective coverings, barriers, devices, signs, or other procedures to protect stairs and to maintain means of egress. If stairs become damaged, restore damaged areas so no evidence remains of correction work.
- L. Temporary Use of Permanent Stairs: Use of new stairs for construction traffic will be permitted, provided stairs are protected and finishes restored to new condition at time of Substantial Completion.

### 3.5 SECURITY AND PROTECTION FACILITIES INSTALLATION

- A. Protection of Existing Facilities: Protect existing vegetation, equipment, structures, utilities, and other improvements at Project site and on adjacent properties, except those indicated to be removed or altered. Repair damage to existing facilities.
  - 1. Where access to adjacent properties is required in order to affect protection of existing facilities, obtain written permission from adjacent property owner to access property for that purpose.
- B. Environmental Protection: Provide protection, operate temporary facilities, and conduct construction as required to comply with environmental regulations and that minimize possible air, waterway, and subsoil contamination or pollution or other undesirable effects.
- C. Temporary Erosion and Sedimentation Control: Provide measures to prevent soil erosion and discharge of soil-bearing water runoff and airborne dust to undisturbed areas and to adjacent properties and walkways, according to erosion- and sedimentation-control Drawings.
  - 1. Verify that flows of water redirected from construction areas or generated by construction activity do not enter or cross tree- or plant-protection zones.
  - 2. Inspect, repair, and maintain erosion- and sedimentation-control measures during construction until permanent vegetation has been established.

3. Clean, repair, and restore adjoining properties and roads affected by erosion and sedimentation from Project site during the course of Project.
  4. Remove erosion and sedimentation controls and restore and stabilize areas disturbed during removal.
- D. Stormwater Control: Comply with requirements of authorities having jurisdiction. Provide barriers in and around excavations and subgrade construction to prevent flooding by runoff of stormwater from heavy rains.
- E. Tree and Plant Protection: Comply with requirements specified in Section 015639 "Temporary Tree and Plant Protection."
- F. Pest Control: Engage pest-control service to recommend practices to minimize attraction and harboring of rodents, roaches, and other pests and to perform extermination and control procedures at regular intervals so Project will be free of pests and their residues at Substantial Completion. Perform control operations lawfully, using materials approved by authorities having jurisdiction.
- G. Site Enclosure Fence: Before construction operations begin, furnish and install site enclosure fence in a manner that will prevent people from easily entering site except by entrance gates.
1. Extent of Fence: As indicated on Drawings.
  2. Maintain security by limiting number of keys and restricting distribution to authorized personnel. Furnish one set of keys to Owner.
- H. Security Enclosure and Lockup: Install temporary enclosure around partially completed areas of construction. Provide lockable entrances to prevent unauthorized entrance, vandalism, theft, and similar violations of security. Lock entrances at end of each workday.
- I. Barricades, Warning Signs, and Lights: Comply with requirements of authorities having jurisdiction for erecting structurally adequate barricades, including warning signs and lighting.
- J. Temporary Egress: Maintain temporary egress from existing occupied facilities as indicated and as required by authorities having jurisdiction.
- K. Temporary Enclosures: Provide temporary enclosures for protection of construction, in progress and completed, from exposure, foul weather, other construction operations, and similar activities. Provide temporary weathertight enclosure for building exterior.
1. Where heating or cooling is needed and permanent enclosure is incomplete, insulate temporary enclosures.
- L. Temporary Partitions: Provide floor-to-ceiling dustproof partitions to limit dust and dirt migration and to separate areas occupied by Owner and tenants from fumes and noise.
1. Construct dustproof partitions with gypsum wallboard with joints taped on occupied side, and fire-retardant-treated plywood on construction operations side.
  2. Where fire-resistance-rated temporary partitions are indicated or are required by authorities having jurisdiction, construct partitions according to the rated assemblies.
- M. Temporary Fire Protection: Install and maintain temporary fire-protection facilities of types needed to protect against reasonably predictable and controllable fire losses. Comply with NFPA 241; manage fire-prevention program.
1. Prohibit smoking in construction areas. Comply with additional limits on smoking specified in other Sections.

2. Supervise welding operations, combustion-type temporary heating units, and similar sources of fire ignition according to requirements of authorities having jurisdiction.
3. Develop and supervise an overall fire-prevention and -protection program for personnel at Project site. Review needs with local fire department and establish procedures to be followed. Instruct personnel in methods and procedures. Post warnings and information.
4. Provide temporary standpipes and hoses for fire protection. Hang hoses with a warning sign stating that hoses are for fire-protection purposes only and are not to be removed. Match hose size with outlet size and equip with suitable nozzles.

### 3.6 MOISTURE AND MOLD CONTROL

- A. Contractor's Moisture-Protection Plan: Describe delivery, handling, storage, installation, and protection provisions for materials subject to water absorption or water damage.
  1. Indicate procedures for discarding water-damaged materials, protocols for mitigating water intrusion into completed Work, and replacing water-damaged Work.
  2. Indicate sequencing of work that requires water, such as sprayed fire-resistive materials, plastering, and terrazzo grinding, and describe plans for dealing with water from these operations. Show procedures for verifying that wet construction has dried sufficiently to permit installation of finish materials.
  3. Indicate methods to be used to avoid trapping water in finished work.
- B. Exposed Construction Period: Before installation of weather barriers, when materials are subject to wetting and exposure and to airborne mold spores, protect as follows:
  1. Protect porous materials from water damage.
  2. Protect stored and installed material from flowing or standing water.
  3. Keep porous and organic materials from coming into prolonged contact with concrete.
  4. Remove standing water from decks.
  5. Keep deck openings covered or dammed.
- C. Partially Enclosed Construction Period: After installation of weather barriers but before full enclosure and conditioning of building, when installed materials are still subject to infiltration of moisture and ambient mold spores, protect as follows:
  1. Do not load or install drywall or other porous materials or components, or items with high organic content, into partially enclosed building.
  2. Keep interior spaces reasonably clean and protected from water damage.
  3. Periodically collect and remove waste containing cellulose or other organic matter.
  4. Discard or replace water-damaged material.
  5. Do not install material that is wet.
  6. Discard and replace stored or installed material that begins to grow mold.
  7. Perform work in a sequence that allows wet materials adequate time to dry before enclosing the material in gypsum board or other interior finishes.
- D. Controlled Construction Period: After completing and sealing of the building enclosure but prior to the full operation of permanent HVAC systems, maintain as follows:
  1. Control moisture and humidity inside building by maintaining effective dry-in conditions.
  2. Use temporary or permanent HVAC system to control humidity within ranges specified for installed and stored materials.
  3. Comply with manufacturer's written instructions for temperature, relative humidity, and exposure to water limits.

### 3.7 OPERATION, TERMINATION, AND REMOVAL

- A. Supervision: Enforce strict discipline in use of temporary facilities. To minimize waste and abuse, limit availability of temporary facilities to essential and intended uses.
- B. Maintenance: Maintain facilities in good operating condition until removal.
  - 1. Maintain operation of temporary enclosures, heating, cooling, humidity control, ventilation, and similar facilities on a 24-hour basis where required to achieve indicated results and to avoid possibility of damage.
- C. Temporary Facility Changeover: Do not change over from using temporary security and protection facilities to permanent facilities until Substantial Completion.
- D. Termination and Removal: Remove each temporary facility when need for its service has ended, when it has been replaced by authorized use of a permanent facility, or no later than Substantial Completion. Complete or, if necessary, restore permanent construction that may have been delayed because of interference with temporary facility. Repair damaged Work, clean exposed surfaces, and replace construction that cannot be satisfactorily repaired.
  - 1. Materials and facilities that constitute temporary facilities are property of Contractor. Owner reserves right to take possession of Project identification signs.
  - 2. At Substantial Completion, repair, renovate, and clean permanent facilities used during construction period. Comply with final cleaning requirements specified in Section 017700 "Closeout Procedures."

END OF SECTION 015000



## SECTION 07720 - ROOF ACCESSORIES

### PART 1 - GENERAL

#### 1.1 SUMMARY

- A. This Section includes the following:
  - 1. Roof hatches.

#### 1.2 RELATED SECTIONS

- A. Division 7 Section "Flashing and Sheet Metal" and "Thermoplastic Membrane Roofing"
- B. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

#### 1.3 SUBMITTALS

- A. Product Data: For each type of roof accessory indicated.
- B. Shop Drawings: Show fabrication and installation details for roof accessories.
- C. Samples: For each type of exposed factory-applied color finish required and for each type of roof accessory indicated, prepared on Samples of size to adequately show color.

#### 1.4 WARRANTY

- A. Manufacturer's standard warranty: Materials shall be free of defects in material and workmanship for a period of five years from the date of purchase. Should a part fail to function in normal use within this period, manufacturer shall furnish a new part at no charge. Electrical motors, special finishes, and other special equipment (if applicable) shall be warranted separately by the manufacturers of those products. Submit copy of sample warranty along with Shop Drawing and Manufacturer's data submittals for Architect and Owner's approval. Sample warranty shall include same information the final warranty will include at project "close-out".

#### 1.5 QUALITY ASSURANCE

- A. Sheet Metal Standard: Comply with SMACNA's "Architectural Sheet Metal Manual" details for fabrication of units, including flanges and cap flashing to coordinate with type of roofing indicated.
- B. Supplier and installer of roof accessories shall attend contractor's roofing pre-installation conference. Coordinate conference schedule with General Contractor and refer to Specification Section 01200 Project Meetings for Pre-installation Conference procedural requirements.

### PART 2 - PRODUCTS

#### 2.1 MANUFACTURERS

- A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, manufacturers listed in other Part 2 articles.

- B. Manufacturers: Subject to compliance with requirements, provide products by one of the manufacturers listed in other Part 2 articles.

## 2.2 ROOF HATCHES

- A. Roof Hatches: Furnish and install where indicated on plans metal roof hatch Bilco - Type S (basis-of-design), size width: 3'0" (914mm) x length: 3'0" (914mm). Length denotes hinge side. The roof hatch shall be single leaf. The roof hatch shall be pre-assembled from the manufacturer.

1. Manufacturers:

- a. Bilco Company (The).
- b. J. L. Industries, Inc.
- c. Metallic Products Corporation.
- d. O'Keeffe's Inc.
- e. Precision Ladders, LLC.
- f. Roof Products & Systems Corporation.
- g. Or pre-approved equivalent, refer to Specification Section 01632 – Request for Pre-Approval.

2. Performance characteristics:

- a. Cover shall be reinforced to support a minimum live load of 40 psf (195kg/m<sup>2</sup>) with a maximum deflection of 1/150th of the span or 20 psf wind uplift.
- b. Operation of the cover shall be smooth and easy with controlled operation throughout the entire arc of opening and closing.
- c. Operation of the cover shall not be affected by temperature.
- d. Entire hatch shall be weathertight with fully welded corner joints on cover and curb.

3. Type and Size: Single-leaf lid, 36 by 36 inches (750 by 900 mm).

4. Cover: Shall be 11 gauge aluminum with a 3" (76mm) beaded flange with formed reinforcing members. Cover shall have a heavy extruded EPDM rubber gasket that is bonded to the cover interior to assure a continuous seal when compressed to the top surface of the curb

5. Cover insulation: Shall be fiberglass of 1" (25.4mm) thickness, fully covered and protected by a metal liner 18 gauge aluminum Curb and Lid Material: Aluminum sheet, 0.090 inch (2.28 mm) thick.

6. Curb: Shall be 12" (305mm) in height and of 11 gauge aluminum. The curb shall be formed with a 3-1/2" (89mm) flange with 7/16" (11.1mm) holes provided for securing to the roof deck. The curb shall be equipped with an integral metal cap flashing of the same gauge and material as the curb, fully welded at the corners, that features the Bil-Clip® or approved equivalent, flashing system, including stamped tabs, 6" (153mm) on center, to be bent inward to hold single ply roofing membrane securely in place.

7. Curb insulation: Shall be rigid, high-density fiberboard of 1" (25.4mm) thickness on outside of curb.

8. Lifting mechanisms: Manufacturer shall provide compression spring operators enclosed in telescopic tubes to provide, smooth, easy, and controlled cover operation throughout the entire arc of opening and closing. The upper tube shall be the outer tube to prevent accumulation of moisture, grit, and debris inside the lower tube assembly. The lower tube shall interlock with a flanged support shoe aluminum construction: welded to the curb assembly.

9. Hardware:

- a. Heavy pintle hinges shall be provided.
- b. Cover shall be equipped with a spring latch with interior and exterior turn handles.
- c. Roof hatch shall be equipped with interior and exterior padlock hasps.

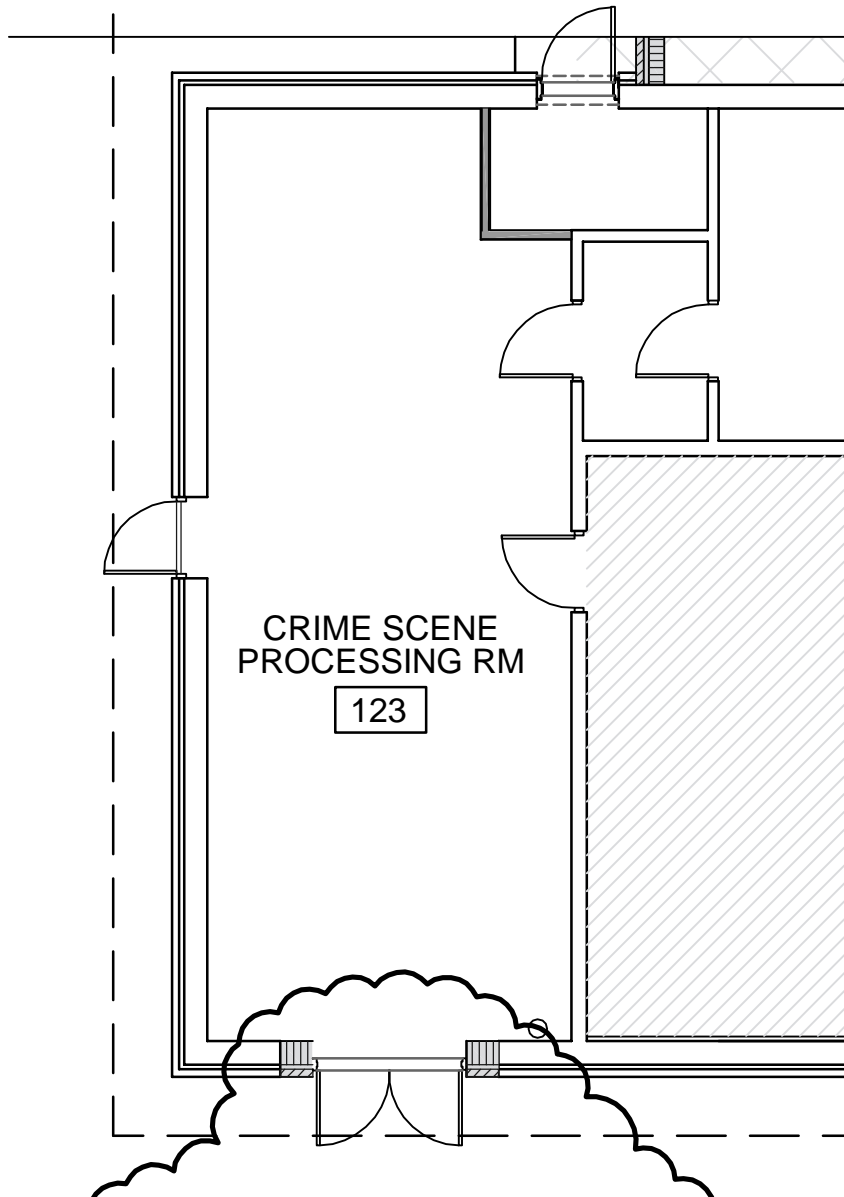
- d. The latch strike shall be a stamped component bolted to the curb assembly.
  - e. Cover shall automatically lock in the open position with a rigid hold open arm equipped with a 1" (25.4mm) diameter red vinyl grip handle to permit easy release for closing.
  - f. Compression spring tubes shall be an anti-corrosive composite material and all other hardware shall be Type 316 stainless steel. Springs shall have an electrocoated acrylic finish for corrosion resistance.
  - g. Cover hardware shall be bolted into heavy gauge channel reinforcing welded to the underside of the cover and concealed within the insulation space.
10. Ladder Extension: Bilco Model 1 Ladder UP Safety Post Model LU-1 (basis-of-design) or approved equivalent.
11. Finishes: Factory finish shall be mill finish aluminum.
12. Roof Hatch manufacturer shall provide interior and exterior labels of appropriate material to withstand weather stating: "ROOF HATCH SHALL BE KEPT CLOSED AT ALL TIMES, WHILE NOT IN USE."

## PART 3 - EXECUTION

### 3.1 INSTALLATION

- A. General: Install roof accessories according to manufacturer's written instructions. Anchor roof accessories securely in place and capable of resisting forces specified. Use fasteners, separators, sealants, and other miscellaneous items as required for completing roof accessory installation. Install roof accessories to resist exposure to weather without failing, rattling, leaking, and fastener disengagement.
- B. Install roof accessories to fit substrates and to result in watertight performance.
- C. Metal Protection: Where dissimilar metals will contact each other or corrosive substrates, protect against galvanic action by painting contact surfaces with bituminous coating or by other permanent separation as recommended by manufacturer.
  - 1. Coat concealed side of uncoated aluminum or stainless-steel roof accessories with bituminous coating where in contact with wood, ferrous metal, or cementitious construction.
  - 2. Underlayment: Where installing exposed-to-view components of roof accessories directly on cementitious or wood substrates, install a course of felt underlayment and cover with a slip sheet, or install a course of polyethylene underlayment.
  - 3. Bed flanges in thick coat of asphalt roofing cement where required by roof accessory manufacturers for waterproof performance.
- D. Install roof accessories level, plumb, true to line and elevation, and without warping, jogs in alignment, excessive oil canning, buckling, or tool marks.
- E. Seal joints with sealant as required by manufacturer of roof accessories.

END OF SECTION 07720



1. EXIST. OVERHEAD DOOR & ASSOCIATED ACCESSORIES TO BE REMOVED.
  2. INSTALL (2) 3'-0" x 7'-0" HM DOORS AND FRAME-PAINTED. SEE A5.1 H8 & J8 FOR HEAD/JAMB DETAILS.
  3. REMAINING OPENING TO BE FILLED-IN TO MATCH EXISTING EXTERIOR WALL THICKNESS, PROFILE AND FINISHES.
- ADD A #5 BAR AT 1<sup>ST</sup> CELL EA. SIDE OF NEW OPENING, PROVIDE A STRAIGHT DOWEL TO MATCH x36"L DRILL AND EPOXY INTO SLAB 6" GROUT CELL SOLID - PROVIDE HORIZ JOINT REINF. @ 16" o.c.

**1 DBL DOORS @ CRIME SCENE PROCESSING RM - ADD #1**  
**B1** SCALE: 1/8"=1'-0"



City of Myrtle Beach  
SOUTH CAROLINA

**Mandatory Pre-Bid: Tuesday, December 3, 2019 at 9:00AM at  
Police Annex located at 3340 Mustang Street, MBSC**

**IFB 20-B0028 Alterations & Additions/Police Annex**

**Bid Opening: Thursday, January 16, 2020 at 2:00PM**

Please Sign In:

Company Name

Representative

1) BNV Builders

843-283-4692

Signature

Bradley Sweeney

Phone/Fax

Print

MR.HOMEEXPERT@gmail.com

Email address

2) SC Improvement & Services

(842) 360-5078

Signature

CB Snipes

Phone/Fax

Print

SCimprovementservices@gmail.com

Email address

3) Chancel HRT Inc

843-234-10510

Signature

Leah Tindal

Phone/Fax

Print

admin@chancelhrt.com

Email address

**Company Name**

**Representative**

4) R. C. JACOBS INC

Gregory R. Owen  
Signature

843-527-2404  
Phone/Fax

GREGORY R. OWEN  
Print

RCJACOBSINC @ AOL.COM  
Email address

5) BANTON CONCRETE

Mike Chappell  
Signature

843-267-4374  
Phone/Fax

MIKE CHAPPELL  
Print

MCCHAPPELL @ BANTONCONCRETE.COM  
Email address

6) Consensus Const

David Sisk  
Signature

843 544 2667  
Phone/Fax

DAVID SISK  
Print

bidsp@consensusconstruction.com  
Email address

7) Mashburn Construction

Chris Setter  
Signature

843-729-3151  
Phone/Fax

Chris Setter  
Print

CSetter@mashburnconstruction.com  
Email address

8) Carolina Elevator Cooperative Inc

Mike Hill  
Signature

843-903-7594  
Phone/Fax

Mike Hill  
Print

Mike @ Carolina elevatorcoop.com  
Email address

Company Name

Representative

9) Brantley Construction

Louis White  
Signature

843 552-0150 Ext 203

Louis White  
Print

Phone/Fax

Christina @ Brantley Construction . com

Email address

10) Carolina Cool

Allen Anderson  
Signature

843 238 5805

Allen Anderson  
Print

Phone/Fax

estimating@carolinacool.com

Email address

11) Mike Courie North Strand Mechanical

Mike Courie  
Signature

843-272-4915

Mike Courie  
Print

Phone/Fax

MCourie@nstrmec.com

Email address

12) Thomas Fowler / coastline  
Electric

Thomas Fowler  
Signature

843-357-7453

Thomas Fowler  
Print

Phone/Fax

Email address

13) PATRICK RYAN - TUNGSTEN

Patrick Ryan  
Signature

843.839.1650

PATRICK RYAN  
Print

Phone/Fax

pryan@tungstencorporation.com

Email address

Company Name

Phone/Fax

Signature

Print Name

E-mail

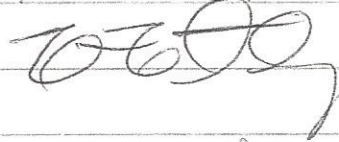
14

~~COASTAL~~ Structures Corp

(843) 546-4491, (843) 566-6569

MANSHALL@COASTALSTRUCTURES.COM

MANSHALL PASTORINO



15

JAMIE PASSAROLLO HRAILLEN INC

JAMIE.PASS@HRAILLEN.COM

JAMIE PASSAROLLO

Jamie Passarollo

16

~~STEWART~~ M'S JUTYPE

FBI CONSTRUCTION

813-234-4324



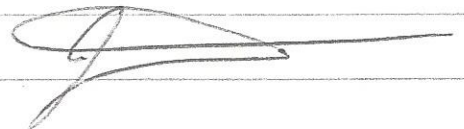
STEWART M'S JUTYPE

17

James Fitzpatrick

Coastal Commercial Refrig

843-369-4101 EXT 125

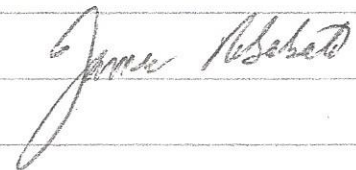


18

Mancill Inc.

843-448-1489

James@Mancill.net / Jimmie@Mancill.net



19

Wesche Construction Inc.

843 839-0151

Lwesche@wescheconinc.com

CONCRETE & MASONRY





26

Baldwin Construction

843 458 2283

rick@baldwincc.com

27

Tech Service Heating & Cooling

843-450-8686

techserviceinc@ychoo.com

Tracy Davis

TRACY DAVIS