FD&A
Architecture & Planning

Forrest Daniell & Associates, P.C.
8007 American Way
Daphne, Alabama 36526
(251) 625-6490 | (251) 625-6494 fax

Addendum No. 1
To the Plans and Specifications of

Mobile Fire Station #19
1309 Azalea Road
Mobile, Alabama 36693

Two Pages + Attachment(s)
June 16, 2025

This addendum, in conjunction with the original issue of Contract Documents, dated February 28, 2025, hereby constitute the current documents for the construction project. This addendum consists of:

GENERAL:

G1. An ADEM permit is required for this project.

G2. The City of Mobile has stockpiled fill dirt on the site from a previous project. The dirt placed on the site is of a larger quantity than the fill requirement of the site. This fill dirt is available for this project at no cost to the contractor. The contractor will need to include all costs associated with moving the dirt and backfilling. Prior to backfilling, follow all recommendations in the geotechnical report in regards to removal of existing upper layers of soil. The stockpiled dirt is approved as backfill material.

DRAWINGS:

Civil:

C1. Sheet C3.0 – The 11 parking spaces and 4 parking spaces to the south of the building are hatched as concrete, but detail tags call for E/C7.0 which indicates asphalt. The spaces are to be concrete as indicated on Sheet C3.0.

Structural:

S1. No items this addendum.

Architectural:

A1. Sheet A501 – There are four large diameter fans shown in the apparatus bay. Each fan is to have minimum 2' clearance between fan blade and liner panels. Also, provide double 8" girt framing between standard girts and a ½" steel backing plate for bolting fans in place.

A2. Sheet A103 – Items 54 and 72 are to be recessed mounted in brick veneer.

A3. Sheet A103 – In Chief Bunk 103, one locker is not labeled. There should be three Items 20 in the room.

A4. Sheet A104 – All items shown on contractor provided equipment list to be provided by contractor at no additional cost to owner. These items are all keyed back to the equipment plan on Sheet A103.

A5. Sheets A107 and A108 – For toilet accessories, refer to Sheet A403 for legend.

A6. Sheet A503 – At Detail 3/A503 canopy supplier to provide a flush soffit at front canopy. Rear canopy of building to remain as is.

A7. Sheet A503 – At detail 2, contractor to pay special attention to steel tube at head and jamb of folding doors. Please ensure these four sets of tubes are not missed in the steel pricing. They will not be provided by the door supplier.

A8. Sheet A104 – Item #32 to be Super Simplex Attic Stairs by Precision Ladders, LLC.

A9. Sheet A301 – Door 201A is to be omitted from schedule.

A10. Sheet A502 – Walls sections call for kynar finish standing seam metal roof by MBM. This roof is to be mechanically seamed.

Electrical:

E1. Sheet E104 – There are four interior ceiling fans with keynote 3. The spec for these fans is as follows: Hunter Ceiling Fans Presto low profile 52", silver in color.

E2. Sheet E102 – There are two exterior ceiling fans with keynote 11. The specs for these fans are as follows: Hunter Ceiling Fans Kennicot Outdoor 44", dark bronze in color.

E3. Sheet E102 – Keynote 3 calls for power receptacles at roof deck. Add two additional locations of keynote 3 in the apparatus bay.

E4. Sheet E101 – Left column, second from bottom, ceiling speakers call for ¾" conduits to IT room. These conduits can be omitted.

Mechanical, Plumbing, and Fire Protection:

M1. Sheet M200 – There are two fire dampers at upper right corner of plan with keynote 4. These fire dampers are to be omitted; there is no fire wall at this location.

M2. Sheet M200 – Keynote 5 at Medical Bunk Room 137 is incorrect. This keynote should be similar to keynote 7, but substitute 12" diameter duct.

M3. Sheet M301 – Detail 14 shows two mounting methods for dehumidifiers. The ceiling hung detail is to be omitted, dehumidifiers will be floor mounted.

M4. Sheet M301 – Detail 12 shows refrigerant lines with under ground path to building. Refrigerant lines are to be mounted above grade, traveling through brick @ 12" aff. Then route through girts into stud cavity to above ceiling just inside girts.

M5. Sheet M100 – All indoor and outdoor mechanical units to receive an engraved 3" x1" plastic tag, labelled with symbol shown on plans.

M6. Sheet P100 – The plumbing fixture schedule shows an n" designation for FD-1. Floor drain sizes are to be 3" or 4", based on size of line in which its installed.

M7. Sheet P201 – Floor drains are not to be equipped with trap primers. Instead, each floor drain is to receive a waterless drain trap seal.

M8. Sheet P201 – There are two mop sinks in the project. The mop sink in Decontamination 113 is to be 24"x24". The one in Laundry 119 is to be 18"x18".

M9. Sheet P200 – SK-2 label is shown incorrectly. It should be located on the hand sink down the page of the range.

M10. Sheet P200 – Provide water connection to under-counter ice maker to be added. Ice maker can be seen on Sheet A103, #27.

M11. Sheet P200 – Keynote 1 calls for connecting to existing utilities. All utilities at the building location are new utilities.

M12. Sheet M101 – Split system heat pump schedule calls for 410A refrigerant at note 1; Change to R-454B.

SPECIFICATIONS:

1. See enclosed new specification 083613 Four Fold Bay Doors.

SUBSTITUTIONS:

1. A request had been made to allow Coral Architectural Products and Truelite Architectural Products as approved storefront suppliers. Both companies are approved for bidding; their products must meet all the requirements of the originally specified products.

END OF ADDENDUM #1

SECTION 08 3613 – FOUR-FOLD BAY DOORS

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes Four-Fold metal doors, tested and approved for High Velocity Hurricane Zones, up to 120psf and approved by Florida Building Code, #FL17136.

B. Operation of Four-Fold metal doors includes overhead mounted electro-mechanical operators.

1.3 SUBMITTALS

A. General: Submit each item in this Article according to the Conditions of the Contract and Division 1 Specification Sections.

B. Product Data for each type of product specified consisting of manufacturer's technical Product Data and installation instructions for each type of door required, including data substantiating that products comply with requirements.

C. Submittal Drawings showing fabrication and installation of Four-Fold metal doors including plans, elevations, sections, details of components, hardware, operating mechanism, and attachments to the other units of Work. Include wiring diagrams for coordination with electrical trade.

D. Reference list including (5) successful installations of this type of hurricane rated doors within the past two (2) years.

1.4 QUALITY ASSURANCE

A. Doors shall be designed to withstand external or internal horizontal wind loads of 120 pounds minimum per square foot. The maximum allowable deflection shall not exceed 1/120 of the span. Fiber stresses in main members shall be limited to 27,000 pounds per square inch. Steel frames shall be designed in accordance with the AISC "Steel Construction Manual".

1.5 DELIVERY, STORAGE AND HANDLING

A. Store delivered materials and equipment in dry locations with adequate ventilation, free from dust and water, and so as to permit access for inspection and handling.

B. Handle materials carefully to prevent damage.

1.6 WARRANTY

A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of four fold doors that fail in materials or workmanship within specified warranty period.

1. Structural failures including, but not limited to, excessive deflection.
   a. Faulty operation of hardware.
   b. Deterioration of metals, metal finishes, and other materials beyond normal weathering and use; rust through.
   c. Delamination of exterior or interior facing materials.

2. Warranty Period: Five (5) years from date of Substantial Completion.

B. Special Finish Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components that show evidence of deterioration of factory-applied finishes within specified warranty period.

1. Warranty Period: Ten (10) Years from date of Substantial Completion.

PART 2 – PRODUCTS

2.1 MANUFACTURERS

A. Basis of Design Manufacturers: Four-Fold industrial metal doors manufactured by Door Engineering and Manufacturing, 400 Cherry Street, Kasota, MN 56050, (800)- 959-1352. Equal products by other manufacturers approved in advance, including State of Florida (FBC) approval.

2.2 MATERIALS

A. Steel Tube: ASTM A513 and ASTM A500/A500M

B. Steel Sheets: Steel sheets of commercial quality, complying with ASTM A1011/A1011M hot-rolled steel sheet.

C. Hardware: Manufacturer's standard components.

D. Fasteners: Zinc-coated steel.

2.3 FOUR-FOLD DOORS

A. Basis-of-Design Product: The drawings and specifications are based on the FF701 Series, Glazed or Solid Sheeted Four-Fold Doors as manufactured by Door Engineering and Manufacturing, LLC; Kasota, MN.

Construction: Door framing shall be minimum 11-gauge structural steel tube with 14- gauge sheet steel on the exterior and interior faces. Sheeting shall be formed on the vertical edges with no visible welds or caulked sheet edges on the interior or exterior panel faces. All frames and framing members shall be true to dimension and

square in all directions, and no door shall be bowed, warped, or out of line, in the vertical or horizontal plane of the door opening by more than 1/8 inch in 20 feet. Exposed welds and welds which interfere with the installation of various parts shall be ground smooth and flush.

B. Surface Mounted Tube Frame: Supply pre-hung tube frame system constructed of TS6x6x0.25, designed to anchor to masonry wall construction or weld to steel structure. All hinges, track supports and operator supports shall be factory attached.

C. Factory finish: Operator and operating hardware shall be powder coated manufacturer's standard gray. Panels, frame and all other hardware shall be finished as follows:

a. All exposed steel shall be finished with manufacturer's standard zinc rich primer and polyurethane topcoat, PPG Spectracron or equal. Customer to select from Manufacturer's standard color chart of "fire engine red".

D. Operating Hardware: Hardware shall include guide tracks and brackets, trolleys, center guides, not less than three pairs of jamb and fold hinges per opening, and all bolts, nuts, fasteners, etc. necessary for complete installation and operation. Jamb hinges shall be dual shear and have two thrust bearings and two needle bearings. Jamb hinges shall be gusseted. Fold hinges shall be dual shear with two thrust bearings. Fold hinges shall be stainless steel. All bearings shall be completely sealed within the hinge barrel and include grease zerks. All hinge pins shall be minimum ¾" diameter hardened steel. All trolleys shall be equipped with two (2) Nylatron rollers.

E. Hinge Guards: Provide plastic guards at jamb hinges to prevent access through hinge space.

F. Weatherstripping: Material shall be adjustable and readily replaceable and provide a substantially weather-tight installation. Weatherstripping at center shall be 1/16" cloth inserted neoprene. No exposed fasteners shall be required to attach the center bulb weather seals. Weatherstripping at sill shall include two 1/16" cloth inserted neoprene sweeps with an aluminum retainer. The retainer shall be attached to the door with adhesive.

G. Perimeter Weatherstripping: Provide jamb and head weatherstripping of 1/16" cloth- inserted neoprene bulb (or closed cell neoprene).

H. Vision Panels: Provide 9/16" impact safety glass of the size, shape and location as noted on the drawings.

I. Hurricane Locking System: Locking bolts shall be completely concealed within the door panel. Locking bolts shall extend into the floor and into the header tube. A limit switch shall disable the operator when the locks are engaged.

2.4 OPERATOR

Each Four-Fold door shall be operated by an overhead mounted electro-mechanical drive unit designed for high cycle operation. Operator consists of an electric motor,

gear reducer, and rotating drive arm. The door shall be operated with connecting rods attached to the rotating drive arm on the operator and to control arms attached to the jamb door section and to the door lintel. The connecting rods shall be positive drive, keeping the door under firm control at all times. The connecting rods shall be fitted with spherical bearings and control arms shall be equipped with oil impregnated bronze bearings on polished shafts.

A. Operator shall be instantly reversible, open and close rapidly and start and stop gradually. Operator shall be adjustable to allow door to fully clear the opening. Operator shall automatically lock the door in the closed position. Operator shall be equipped with disengaging mechanism to convert to manual operation.

B. Electric motor shall be of sufficient size to operate doors under normal operating conditions at no more than 75 percent of rated capacity. The motor shall be wound for three phase 208/260/480 VAC, 60 Hertz operation.

C. Electric Controls: Controls shall be furnished by the door manufacturer and shall be complete for each door and built in accordance with the latest NEMA standards. Incoming electrical shall be :120VAC single phase.

1. Control panel assemblies shall be UL listed as per NFPA70.

2. Controls shall include a programmable logic controller with digital message display. Controller shall include programmable close timers and programmable inputs/outputs

3. Motor starters shall be magnetic reversing, factory wired with overload and under voltage protection and equipped with mechanical interlocks. All control components shall be enclosed in one enclosure with a wiring diagram placed on the inside of the cover.

4. If incoming voltage is single phase, control panel shall include a variable frequency drive to convert voltage to 3-phase for the motor

5. Enclosures shall be NEMA 4 with disconnect switch.

6. Pushbuttons (interior) for each door shall have one momentary pressure three-button push-button station marked “OPEN”, “CLOSE” and “STOP”. Push button enclosure shall be NEMA 4.

7. Limit switches shall be provided to stop the travel of the door in its fully open or fully closed position. Provide cremone bolt limit switch to be used for HVAC or exhaust removal system.

8. Safety edges: Provide 4-wire fail-safe electric safety edges on leading edge of all doors to reverse door upon contact with obstruction.

9. Photo eyes: Provide (1) exterior, jamb mounted, light Curtain type photo eyes, NEMA 4 rated. Photo eye shall cover from floor level to 72” above floor.

10. Presence Sensor: Provide (1) interior, overhead mounted, presence sensor with pre-open and pre-close safety fields. Sensor shall be LZR-Widescan or equal.

Radio controls: Provide one (1) radio receiver and (1) single button remotes per door. Remotes to open and close doors with single button.

11. Timer Activation Loop Detectors (fire station applications): Provide "pulse on exit type" loop detector to activate auto close timer once loop has been activated and cleared, include hand/auto switch to deactivate timer. G.C. to coordinate installation of preformed loop with installer prior to exterior apron being poured.

12. Warning Horn/Strobe: Provide warning light and strobe. Include outputs PLC to allow for activation while door is in motion both opening and closing, along with activation prior to closing. Include programmable "delay-to-close" timer which activates the warning horn for a set time, prior to the door closing.

13. Wiring: Door manufacturer shall supply controls and components only. Electrical contractor shall install controls and furnish and install conduits and wiring for jobsite power and control wiring.

14. Integrate four fold door bay doors into fire alarm system tor emergency egress purposes.

15. Accessibility: Install four fold bay doors, switches, and controls along accessible routes in compliance with regulatory requirements for accessibility.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Install Four-Fold metal doors in strict accordance with the approved drawings by qualified door erection crews. All door openings shall be completely prepared by the general contractor prior to the installation of the doors. Permanent or temporary electric wiring shall be brought to the door opening before installation is started and shall be completed so as not to delay the inspection test.

B. Doors shall be set plumb, level, and square, and with all parts properly fastened and mounted. All moving parts shall be tested and adjusted and left in good operating condition.

3.2 ADJUSTING AND CLEANING

A. Inspection of the doors and a complete operating test will be made by the installer in the presence of the general contractor or architect as soon as the erection is complete. Any defects noted shall be corrected. After door approval in the above test, the general contractor must assume the responsibility for any damage or rough handling of the doors during construction until the building is turned over to the owner and final inspection is made.

B. Clean surfaces and repaint abraded or damaged finished surfaces to match factory- applied finish.

END OF SECTION 08 3613