

## ADDENDUM NO. 3

## FIRE STATION NO 6 GEORGETOWN, TEXAS

DATE: December 12, 2018  
PROJECT NO: 217079.00.00

The Construction Documents on the above referenced project, dated 11/16/2017, shall be revised as follows:

### DRAWINGS:

**Item No. 1** (RE: Sheet MEP1.1) MEP SITE PLAN. The site lights and locations have been updated. See attached **Drawing Sheet MEP1.1**.

**Item No. 2** (RE: Sheet E3.1) ELECTRICAL PANELS. Circuits B-56, B-70 and B-72 have been revised. See attached **Drawing Sheet E3.1**.

### SPECIFICATIONS:

**Item No. 3** (00 01 00 – Table of Contents). Specification Section 27 42 13 “number only” shall be modified to Specification Section 27 42 12 – Alerting System.

**Item No. 4** (270000 – Communication Speaker System). This Specification shall be Removed from project scope. The Speaker System is included with the Alerting System, under separate contract with Owner.

**Item No. 5** (27 42 12 – Alerting System). This Specification section is located within the released Bid Specifications Set, located behind Specification No. 28 31 11.

### CLARIFICATION:

**Item No. 6** (Access Control, Cameras and Security) This work shall be under separate contract with Owner, as indicated on Drawing Sheet G1.1 in “Owner Provided Contracts”. The General Contractors scope shall include back boxes and support infrastructure.

**Item No. 7** (Full Time Superintendent) Each station construction site will require full time representation from the General Contractor’s Firm in the form of a Superintendent.

**Item No.8** (Roof Panels) S – Panels are not an acceptable substitution for the standing seam roof panels, as described in Specification Division 7. The color of the roof panels shall be equal to MBCI’s Signature 300 Architectural Color: Tundra.

**Item No 9** (Roof Panels) A-Lert KR24 standing seam metal roof panel is not an acceptable substitute equal to the specified MBCI, BattenLok HS roof panel.

**Item No 10** (27 42 12 - Alerting System) Summary of Responsibility - Electrical Contractor shall provide a dedicated 120V, 1-phase circuit, all required back-boxes, required conduit and pull string from devices indicated on Drawing Sheet E1.6. to Elec/Comm Room 203, and mounting hardware. Additionally, responsible for the control sequencing as indicated on Drawing Sheet E2.1, Details #2 and #5 of Alarm Schematic including the Automatic Gas Shut-off systems, Apparatus Bay Exhaust Fan control, and others indicated. Owner shall provide USDD Alerting System, cabling/wiring, 7’ tall rack, and the Owners Alerting System Contractor to install alerting system devices indicated on Drawing Sheet E1.6, for a complete and fully functional Alerting System. Refer to complete drawings/specifications for all requirements.

**Item No 11** (Alerting System and Fire Alarm System) These systems are Independent of each other.

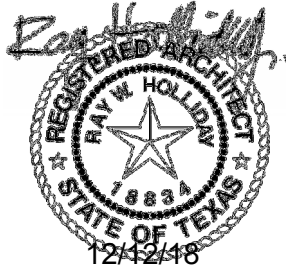
**SUBSTITUTIONS:**

**Item No. 12** (Vehicle Exhaust System) MagneGrip **IS** an acceptable substitution for the vehicle exhaust system specified.

**Item No. 13** (Generator) AKSA generator by L.J. Power is **Not** an acceptable substitution for the generators specified.

**Attachments: Drawing Sheet MEP 1.1, Drawing Sheet E3.1,**

END OF ADDENDUM NO.3\*\*\*\*\*



## ADDENDUM NO. 3

### FIRE STATION NO 7 GEORGETOWN, TEXAS

DATE: December 12, 2018  
PROJECT NO: 218044.00

The Construction Documents on the above referenced project, dated 11/16/2017, shall be revised as follows:

#### DRAWINGS:

**Item No. 1** (RE: Sheet ES1.2) LIGHTING PHOTOMETRIC SITE PLAN. Information has been updated in the Photometric Site Plan. See attached **Drawing Sheet ES1.2**.

**Item No. 2** (RE: Sheet MEP1.1) SITE PLAN. The site lights and locations have been updated. See attached **Drawing Sheet MEP1.1**.

**Item No. 3** (RE: Sheet E2.1) ELECTRICAL SCHEDULES AND DETAILS. The panel schedules and one-line diagram has been updated. See attached **Drawing Sheet E2.1**.

#### SPECIFICATIONS:

**Item No. 4** (00 01 00 – Table of Contents). Specification Section 27 42 13 “number only” shall be modified to Specification Section 27 42 12 – Alerting System.

**Item No. 5** (09 65 66 – Athletic Rubber flooring). Dropzone Speckle by Tarkett Sports is not an acceptable Substitution for Ecore ECOfit Rubber Tile flooring, as identified in Drawing Sheet A4.2 Finish Legend, as the color selection is not acceptable for this station finish scheme.

**Item No. 6** (27 00 00 – Communication Speaker System). This Specification shall be Removed from project scope. The Speaker System is included with the Alerting System, under separate contract with Owner.

**Item No. 7** (27 42 13 – Alerting System). This Specification Section shall be Removed and Replaced with Specification Section 27 42 12 – ALERTING SYSTEM, dated DECEMBER 10, 2018. See attached New **Specification Section 27 42 12 – Alerting System**. This section is located within the released Bid Specifications Set, located behind Specification No. 28 31 11.

**CLARIFICATION:**

**Item No. 8** (Access Control, Cameras and Security) This work shall be under separate contract with Owner, as indicated on Drawing Sheet G1.1 in “Owner Provided Contracts”. The General Contractors scope shall include back boxes and support infrastructure.

**Item No. 9** (27 42 12 - Alerting System) This Section is included in the Specifications; however, it is after Section 28 31 11.

**Item No. 10** (Full Time Superintendent) Each station construction site will require full time representation from the General Contractor’s Firm in the form of a Superintendent.

**Item No 11** (27 42 12 - Alerting System) Summary of Responsibility - Electrical Contractor shall provide a dedicated 120V, 1-phase circuit, all required back-boxes, required conduit and pull string from devices indicated on Drawing Sheet E1.5. to Elec/Comm Room 203, and mounting hardware. Additionally, responsible for the control sequencing as indicated on Drawing Sheet E2.2, Details #2 and #5 of Alarm Schematic including the Automatic Gas Shut-off systems, Apparatus Bay Exhaust Fan control, and others indicated. Owner shall provide USDD Alerting System, cabling/wiring, 7’ tall rack, and the Owners Alerting System Contractor to install alerting system devices indicated on Drawing Sheet E1.5, for a complete and fully functional Alerting System. Refer to complete drawings/specifications for all requirements.

**Item No 12** (Alerting System and Fire Alarm System) These systems are Independent of each other.

**SUBSTITUTIONS:**

**Item No. 13** (Vehicle Exhaust System) MagneGrip **IS** an acceptable substitution for the vehicle exhaust system specified.

**Item No. 14** (Generator) AKSA generator by L.J. Power is **Not** an acceptable substitution for the generators specified.

**Attachments: Drawing Sheet ES1.2, Drawing Sheet MEP1.1, Drawing Sheet E2.1, Specification Section 27 42 12 – Alerting System.**

END OF ADDENDUM NO.3\*\*\*\*\*

## **SECTION 27 42 12 - ALERTING SYSTEM**

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### **PART 1 - GENERAL**

#### **1.01 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Division 01, and Division 26 Specification Sections, apply to this Section.
- B. Electrical Contractor responsible for coordination of all devices controlled through the Alerting System, including Electrical, Mechanical, and Plumbing Drawing Sheets.
- C. US Digital Design, USDD, and Phoenix G2 represent the same meaning. All represent the Alerting System.

#### **1.02 SUMMARY**

- A. This Section includes the following:
  - 1. US Digital Designs (USDD) Phoenix G2 Fire Station Alerting System Package (4 fixed zones)
  - 2. Infrastructure
  - 3. Conduit
  - 4. Wiring (cabling)
  - 5. Electrical boxes (or back boxes)
  - 6. 120 Volt, 20 amp dedicated circuit
  - 7. Enclosures.
  - 8. Network interface module, racks, speaker/light combos, speakers, volume controls, doorbells, acknowledge buttons, count timers, strobe lights, time clock to control exterior speakers, installation materials, testing, training, travel, warranty, etc. for a complete and fully functional alerting system.
- B. Related Sections include the following:
  - 1. Division 26 Electrical

#### **1.03 SUBMITTALS**

- A. Product Data: Cut sheets for each product. All devices shall comply with applicable sections of NEMA Standards and NFPA 70.
- B. US Digital Designs Phoenix G2 drawing package indicating US Digital Designs system installation requirements with device locations implying coordination between US Digital Designs and Contractor are working together to install the complete system.
- C. Verification of US Digital Designed Trained and Certified Contractor to install the complete and fully functional alerting system.

- D. Coordination Drawings: Reflected ceiling plans (indicating ceiling type), drawn to scale, on which the following items are shown and coordinated with each other:
1. Back box locations and mounting heights
  2. Conduit locations and indication of home runs.
  3. 120 Volt, 20 amp circuit
  4. Enclosure locations
  5. Rack locations
  6. US Digital Designs Phoenix G2 alerting system, wall and ceiling-mounted devices including all US Digital Designs including but not limited to: speakers, time clock, ceiling access doors, strobes, volume controls, count timers, antennas, 5 paging decoders, network interface module, dual 12/24 volt Rackmount power supply, amplifier, UPS, analog overhead paging controller, radio monitor switch, etc. as necessary.
  7. Minimum Drawing Scale: 1/8 inch = 1 foot

#### **1.04 QUALITY ASSURANCE**

- A. Coordination between Electrical Contractor and US Digital Designs Phoenix G2 is critical. Alerting System shall be installed by Owner; however, backboxes, conduit/pull-string for the Phoenix G2 Alerting System, and control devices for Apparatus Bay Exhaust Fans EF-1 and EF-2, and the Automatic Gas Shut-off for Kitchen Range/Oven and Patio Grill, shall be installed by Electrical Contractor without additional cost to the Owner or Architect.
- B. Source Limitations:  
US Digital Designs Phoenix G2. Contact: James Amos 602-687-1730 x1748  
Email: james@usdd.com

#### **1.05 DELIVERY, STORAGE, AND HANDLING**

- A. Deliver materials in original containers, with seals unbroken, bearing manufacturer labels indicating brand name and directions for storage.

#### **1.06 PROJECT CONDITIONS**

- A. Environmental Limitations: Do not install wiring or devices until spaces are enclosed and weatherproofed.

#### **1.07 COORDINATION**

- A. Coordinate layout and installation of alerting system with other construction that penetrates ceilings or is supported by them, including light fixtures, HVAC equipment, fire-suppression system, and partition assemblies.

#### **1.08 WARRANTY**

- A. Provide one (1) year warranty from the date of signed “Testing and Acceptance”.

## **PART 2 - PRODUCTS**

### **2.01 ALERTING SYSTEM – BY OWNER**

- A. Products: US Digital Designs Phoenix G2, Fire Station Alerting System Package (4 fixed zones).
1. External Amplifier
  2. ATX Station Controller and Expansion Unit if required
  3. Message Sign Standard
  4. Message Sign Extended
  5. UPS for Alerting System
  6. Room Remotes
  7. Transformers
  8. Package includes up to 5 paging decoders
  9. Network Interface Module
  10. Dual 12/24v Rackmount Power Supply
  11. 250 Watt Rackmount Amplifier
  12. Analog Overhead Paging Controller
  13. Radio Monitor Switch
  14. Telex VoIP Interface module
  15. 7ft Open frame rack with power strip, radio shelf, and bolt-down kit
  16. Low voltage speaker/light combo w/ back box
  17. 10w wall mount volume control with alert override by Contractor
  18. 100w wall mount volume control with alert override by Contractor
  19. Moisture resistant recessed ceiling mount speakers with back box
  20. Outdoor weatherproof recessed speaker with weather seal
  21. Mushroom style button (black) doorbells and (red) acknowledge buttons.
  22. Count up/down timers
  23. Small red strobe light
  24. Large red strobe light for Apparatus Bay
  25. Pre installation system wiring, configuration and testing
  26. Misc – Installation materials and mounting arm/devices

### **2.02 CONTRACTOR SCOPE OF INSTALLATION**

- A. Scope shall be limited to providing and installing a 120volt, 20 amp circuit for the Alerting System, providing and installing back boxes for all Alerting System devices, minimum ¾” diameter aluminum or steel conduit with pull string in inaccessible areas to home run into Electrical/Communication Room, time clock, and coordinate sequencing controls for the Apparatus Bay Exhaust Fans EF-1 and EF-2, as well as the Automatic Gas Shut-Off for Kitchen Range/Oven and Patio Grill.

- B. Coordinate All Drawing Sheets, especially Mechanical, and Plumbing Sheets.
- C. Cabling is Not in the scope.
- D. Installation of Alerting Devices is Not in the scope.

### **2.03 US DIGITAL DESIGNS INSTALLATION – BY OWNER**

- A. Perform the final system and peripheral equipment hook-up and connections, and a final walk-thru test and verification of all system components and operations.
- B. Coordination with Electrical Contractor and General Contractor with installation schedules, site visit(s) and travel plans, device installation mounting specifics, and preparation status: all customer pre-requisites are completed and prepared for US Digital Designs personnel to arrive on site and complete the equipment installation portion of the project and final acceptance testing.
- C. US Digital Designs shall coordinate corrective measures for Contractor to modify the installation so the system functions correctly, and adequately. No cost/fee for corrections shall be presented to the Owner or Architect. The sole responsibility for correction(s) shall be borne by Alerting System and/or Contractor.
- D. Contractor shall implement corrective measures indicated to modify the installation without additional fees charged to the Owner or Architect.

## **PART 3 - EXECUTION**

### **3.01 PREPARATION**

- A. Coordinate pre-installation meeting with General Contractor, Electrical Contractor, Mechanical Contractor, Plumbing Contractor, Owner, Phoenix G2 System Representative, Low Voltage Sub Contractor responsible for installation of the Phoenix G2 System, and Architect prior to construction of any walls.

### **3.02 INSTALLATION**

- A. All infrastructure, conduit with pull-string, 120v 20amp receptacle, time clock, electrical back boxes and enclosures shall be provided and installed by Electrical Contractor prior to US Digital Designs arrival to site.
- B. A minimum of ¾” conduit shall be installed throughout the facility for all hard lid ceilings to accessible areas to be run back to the Electrical/Communications Room. The Apparatus Bay and all exterior locations shall be weather tight as appropriate. Dorm rooms, offices or other areas that have drop or grid ceilings shall have as a minimum: a conduit path from the Electrical/Communication Room directly to that room or within and adjacent conduit to an accessible ceiling area within each room.



- C. Local codes shall take precedence if more stringent requirements are necessary. A maximum of three (3) Olympic 3034T cables/conduit or one (1) Olympic 2890 cable per ¾” conduit when using the 10 conductor cabling.
- D. US Digital Designs shall provide the devices, Owner shall be responsible for the installation of all devices plumb. Owner responsible for installation of cabling/wire, and perform the final system and peripheral equipment hook-up and connections, with a final walk-thru test and verification of all system components and operations.
- E. At the completion of the verified installation, a walk-thru shall be conducted with the Owner and Architect to verify the overall system function, performance and operation. In the event corrective measures need to be conducted/installed, US Digital Designs shall coordinate corrective measures for Contractor to modify the installation so the system functions correctly, and adequately. Additional walk-thru’s shall be performed until acceptable system performance is achieved. Upon completion of the testing process, a “Testing and Acceptance” Sign-off sheet shall be signed and dated by Owner and General Contractor. Contractor shall correct any correction/deficiency without cost to Owner or Architect.

### **3.03 CLEANING**

- A. Clean all exposed surfaces from dust etc.

**END OF SECTION 27 42 12**