



THE CITY OF KEY WEST
3140 Flagler St,
Key West, FL 33040

ADDENDUM #3
Fire Station #2
Invitation to Bid: 13-014
August 7, 2013

This Addendum is issued as supplemental information to the bid package for clarification of certain matters of both a general and a technical nature. The referenced bid package is amended in accordance with the following items:

- Attached to this coversheet is Addendum #3, dated August 6, 2013 which includes an updated version of the Bid Form, updated versions of several drawings, and answers several questions submitted by prospective bidders.
- This Addendum #3 does not change the bid due date, which remains **August 14, 2013 at 3:00 pm**.

All Bidders shall acknowledge receipt and acceptance of this Addendum No. 3 by acknowledging Addendum No. 3 in their proposal or by submitting the signed Addendum No. 3 with the bid package. Bids submitted without acknowledgement or without this Addendum may be considered non-responsive.

Signature

Name Of Business

ADDENDUM #3
Fire Station #2 – Project# GN1204
Invitation to Bid: ITB 13-014
August 7, 2013

This Addendum is issued as supplemental information to the bid package for clarification, correction, and additional information that will be of use to bidders.

The referenced bid package is amended as follows:

1. The attached revised drawings shall replace identically number sheets (12 sheets).
2. The attached Bid Form shall replace the originally published Bid Form (7 pages). This revised bid form now includes allowances for required permits and for Keys Energy service fees.
3. This Addendum#3 adds specifications sections for both lightning protection (2 pages) and for louvers (2 pages).
4. This Addendum#3 replaces the specifications section for Ornamental Fencing with the attached (3 pages).
5. The attached Question and Answer section is in response to questions submitted by bidders (including subcontractors and suppliers) to the City (7 pages).

Note that Addendum #3 is intended to be the last Addendum that will answer basic questions about the project. If a significant discrepancy or conflict is encountered in the bid documents, the City is of course obligated to make our best effort to provide clarification as time allows and we request to be notified of such a finding as soon as is practicable.

Notice to Bidder: Use Black Ink or Type For Completing the Form.

BID

To: The City of Key West
Address: 3126 Flagler Ave, Key West, Florida 33040
Project Title: Fire Station #2
Project: ITB # 13-014

BIDDER'S INFORMATION

Company Name: _____

Address: _____

Contact Name: _____

Email: _____

Telephone: _____

Fax: _____

Signature: _____ **Date:** _____

BIDDER'S DECLARATION AND UNDERSTANDING

The undersigned, hereinafter called the Bidder, declares that the only persons or parties interested in this Bid are those named herein, that this Bid is, in all respects, fair and without fraud, that it is made without collusion with any official of the Owner, and that the Bid is made without any connection or collusion with any person submitting another Bid on this Contract.

The Bidder further declares that he/she has carefully examined the Contract Documents for the construction of the project, that he/she has personally inspected the site, that he/she has satisfied himself/herself as to the quantities involved, including materials and equipment, and conditions of work involved, including the fact that the description of the quantities of work and materials, as included herein, is brief and is intended only to

indicate the general nature of the work and to identify the said quantities with the detailed requirements of the Contract Documents, and that this Bid is made according to the provisions and under the terms of the Contract Documents, which Documents are hereby made a part of this Bid.

The Bidder further agrees that he/she has exercised his/her own judgment regarding the interpretation of job conditions and has utilized all data, which he/she believes pertinent from the Project Manager, Owner, and other sources in arriving at his/her conclusions.

The intent of the Bid Documents is to describe a functionally complete project (or part thereof) to be constructed in accordance with the Contract Documents. Any work, materials, or equipment that may reasonably be inferred from the Contract Documents, as being required to produce the intended result shall be supplied whether or not specifically called for.

CONTRACT EXECUTION AND BONDS

The Bidder agrees that if this BID is accepted, he/she will, within ten (10) calendar days after Notice of Award, sign the Contract in the form annexed hereto, will attach all required licenses and certificates, and will, to the extent of his BID, furnish all equipment, materials, and labor necessary to complete all work as specified or indicated in the Contract Documents. Performance and Payment Bonds in an amount equal to 100% of contract value will be required as part of this contract.

CERTIFICATES OF INSURANCE

Bidder agrees to furnish the Owner, before commencing the work under this Contract, the certificates of insurance as specified in these Documents.

START OF CONSTRUCTION AND CONTRACT COMPLETION TIME

The Bidder further agrees to begin work within twenty (20) calendar days after the date of the Notice to Proceed and to complete the construction of all items in the lump sum base Bid, in all respects, for this particular project, within THREE-HUNDRED SIXTY-FIVE (365) calendar days after the date of the Notice to Proceed.

LIQUIDATED DAMAGES

In the event the Bidder is awarded the Contract and shall fail to complete the work within the time limit or extended time limit agreed upon as more particularly set forth in the Contract Documents, liquidated damages shall be paid to the Owner at the rate of twenty-five hundred dollars (\$2,500.00) per day for all work awarded under this contract until the work has been satisfactorily completed as provided by the Contract Documents. Sundays and legal holidays shall be included in determining days in default.

ADDENDA

The Bidder hereby acknowledges that he has received Addenda No's _____, _____, _____ (Bidder shall insert No. of each Addendum received) and agrees that all addenda issued are hereby made part of the Contract Documents, and the Bidder further agrees that his Bid(s) includes all impacts resulting from said addenda.

SALES AND USE TAXES

The Bidder agrees that all federal, state, and local sales and use taxes are included in the stated Bid prices for the work.

PUBLIC ENTITY CRIMES

“A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a Bid on a contract to provide any goods or services to a public entity, may not submit a Bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit Bids on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or Contractor under a contract with any public entity and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.”

LUMP SUM BASE BID

The Bidder agrees to accept as full payment for performance of the work as herein specified and shown on the Drawings (if any), the following lump sum. The Bidder agrees that the lump sum price represents a true measure of the design, labor, materials, and equipment required to perform the work, including all allowances for overhead and profit for each type and unit of work called for in these Contract Documents. The amounts shall be shown in both words and figures. In case of a discrepancy, the amount shown in words shall govern. The Bid will be awarded on total Bid amount with or without any and all Alternate Bid items as determined to be in the best interests of the City. Final lump sum payments will be adjusted based on actual units and unit prices.

**BID FORM
ITB #13-014**

Base Bid Lump Sum Price* \$ _____ B1

Base Bid Total in Words: _____

U.S. Dollars

Base Bid = Basis of Award. In the event of a discrepancy, the Base Bid amount in words shall take precedence.

Alternate Bid Item#1

Cost adjustment to Base Bid
for Paving Materials Per Drawing L-4.0
Paving material Schedule – Alternate #1

\$ _____ A1
(-) for cost decrease (+) for cost increase

Alternate Bid Item#2

Cost adjustment to Base Bid
for Paving Materials Per Drawing L-4.0
Paving material Schedule – Alternate #2

\$ _____ A2
(-) for cost decrease (+) for cost increase

Alternate Bid Item#3

Cost adjustment to Base Bid
to install ceramic tile floor in rooms 105 & 106
per finish schedule on A4.4.3

\$ _____ A3
(-) for cost decrease (+) for cost increase

Alternate Bid Item#4

Cost adjustment to Base Bid
to install ceramic tile wall covering in rooms
105 & 106 per finish schedule on A4.4.3

\$ _____ A4
(-) for cost decrease (+) for cost increase

Alternate Bid Item#5

Cost adjustment to Base Bid
to install polished concrete block walls in rooms
105 & 106 per finish schedule on A4.4.3

\$ _____ A5
(-) for cost decrease (+) for cost increase

Alternate Bid Item#6

Cost adjustment to Base Bid
to furnish and install raised aluminum letters along
curved wall as depicted on A1.1.1

\$ _____ A6
(-) for cost decrease (+) for cost increase

Alternate Bid Item#7

Cost adjustment to Base Bid
to Supply, Construct, Install doors
per modified Door Schedule – Attachment A

\$ _____ A7
(-) for cost decrease (+) for cost increase

Alternate Bid Item#8

Cost adjustment to Base Bid
to Supply, Construct, Install roll-up
Bay Doors Per Attachment B

\$ _____ A8
(-) for cost decrease (+) for cost increase

Alternate Bid Item#9

Additional Cost for waterproofing of concrete
gutters using Kemper System V210 per
Drawings & Specifications - Attachment C.

\$ _____ A9
(-) for cost decrease (+) for cost increase

BID BREAKDOWN

The Bidder shall provide a schedule of values for all aspects of the project including mobilization/demobilization, labor and materials, permitting, etc. required or to be used for the project. The schedule of values shall be in sufficient detail to allow the owner to understand how the Bidder arrived at said Bid price and shall become part of the contract for basis of payment. The City may ask for a more detailed schedule of values if one submitted is not deemed sufficient.

***FINAL PAYMENT WILL BE BASED ON ACTUAL QUANTITIES MEASURED IN THE FIELD AND APPROVED BY CITY STAFF**

SUBCONTRACTORS

The Bidder further proposes that the following subcontracting firms or businesses will be awarded subcontracts for the following portions of the work in the event that the Bidder is awarded the Contract:

Portion of Work: _____

Name: _____

Address: _____

Portion of Work: _____

Name: _____

Address: _____

Portion of Work: _____

Name: _____

Address: _____

BIDDER

The name of the Bidder submitting this Bid is: _____

Doing business at _____

City _____ State _____ Zip _____

Telephone No. _____

Email Address _____

This address is where all communications concerning this Bid shall be sent.

The names of the principal officers of the Corporation submitting this Bid, or of the Partnership, or of all persons interested in this Bid as Principals are as follows:

Name	Title
_____	_____
_____	_____
_____	_____

If Corporation

IN WITNESS WHEREOF the undersigned corporation has caused this instrument to be executed and its seal affixed by its duly authorized officers this _____ day of _____, 20__.

(SEAL)

Name of Corporation _____

By: _____

Title: _____

Attest: _____

Secretary

If Sole Proprietor or Partnership

IN WITNESS hereto the undersigned has set his/her/its hand this _____ day of _____, 20__.

Signature of Bidder _____

Title _____

The City of Key West – Fire Station #2
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SECTION 32 31 19 – ORNAMENTAL FENCE

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Decorative aluminum fences.

1.02 REFERENCE STANDARDS

- A. ASTM B117 - Practice for Operating Salt-Spray (Fog) Apparatus; 2011.
- B. ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes; 2012.
- C. ASTM D523 - Test Method for Specular Gloss; 2008.
- D. ASTM D714 - Test Method for Evaluating Degree of Blistering in Paint; 2002 (Reapproved 2009).
- E. ASTM D822 - Practice for Conducting Tests on Paint and Related Coatings and Materials using Filtered Open-Flame Carbon-Arc Light and Water Exposure Apparatus; 2001 (Reapproved 2006).
- F. ASTM D1654 - Test Method for Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments; 2008.
- G. ASTM D2244 - Test Method for Calculations of Color Differences from Instrumentally Measured Color Coordinates; 2011.
- H. ASTM D2794 - Test Method for Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact); 1993 (Reapproved 2010).
- I. ASTM F2408 - Ornamental Fences Employing Galvanized Steel Tubular Pickets; 2011.

1.03 ADMINISTRATIVE REQUIREMENTS

- A. Preinstallation Meeting: Conduct a preinstallation meeting one week prior to start of work of this section; require attendance by all affected installers.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Submit manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods.
- C. Shop Drawings:
 - 1. Indicate plan layout, spacing of components, post foundation dimensions, hardware anchorage, gates, and schedule of components.
 - 2. Foundation details, concrete design mix and reinforcing schedule for anti-ram barrier system.
- D. Installer's Qualification Statement.
- E. Manufacturer's Warranty.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with minimum five years documented experience.
- B. Installer Qualifications: Experienced with type of construction involved and materials and techniques specified.

1.06 DELIVERY, STORAGE AND HANDLING

- A. Store materials in a manner to ensure proper ventilation and drainage. Protect against damage, weather, vandalism and theft.

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1.07 WARRANTY

- A. Finish: 10 years.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Decorative Metal Fences:
 - 1. Ameristar Fence Products, Inc: www.ameristarfence.com.
 - 2. Elite Fence Products, Inc.: www.elitefence.com.
 - 3. Approved Alternate.

2.02 FENCES

- A. Fences: Complete factory-fabricated system of posts and panels, accessories, fittings, and fasteners; finished with electrodeposition coating, and having the following performance characteristics:
 - 1. Capable of resisting vertical load, horizontal load and infill performance requirements for fence categories defined in ASTM F2408.
- B. Electro-Deposition Coating: Multi-stage pretreatment/wash with zinc phosphate, followed by epoxy primer and acrylic topcoat.
 - 1. Total Coating Thickness: 2 mils, minimum.
 - 2. Color: As shown on the drawings.
 - 3. Color: As selected by Architect from manufacturer's standard range.
- C. Aluminum:
 - 1. Tubular Pickets, Rails and Posts: ASTM B221.
 - 2. Extrusions for Posts and Rails (Outer Channel): 6005-T5.
 - 3. Extrusions for Pickets and Rail (Inner Slide Channels): 6063-T5.
- D. Fasteners: Type 302 stainless steel; finished to match fence components.
 - 1. Tamper-proof security bolts.
 - 2. Self-drilling hex-head screws.

2.03 ALUMINUM FENCE

- A. Provide fence meeting requirements for Industrial class as defined by ASTM F2408.
- B. Fence Panels: 4 feet high by 6 feet long.
 - 1. Panel Strength: Capable of supporting 300 pound load applied at midspan without deflection
 - 2. Attach panels to posts with manufacturer's standard panel brackets.
- C. Posts: Aluminum extrusions:
 - 1. Size: 2-1/2 inches square.
 - 2. Extrusion Wall: 0.080 inch thick.
 - 3. Internal Reinforcing: 0.080 inch thick.
- D. Rails: Aluminum extrusions.
 - 1. Double-walled aluminum U channel; outside cross-section dimensions of 1-3/4 inch square; interior guide channel forms lower limit of raceway for retaining rod.
 - 2. Effective Wall Thickness:
 - a. Top Wall of Outer Channel: 0.100 inch thick.
 - b. Side Wall: 0.120 inch thick.
 - 3. Enclosed Retaining Rod: 0.125 inch diameter galvanized steel with variable pitch connection system for high angle racking and elimination of external fasteners.
 - 4. Picket-to-Rail Intersection Seals: PVC grommets.
 - 5. Picket Holes: 4.715 inch on center.
- E. Pickets:
 - 1. Size: 1-3/4 inch square by 0.062 inch thick extruded aluminum tubing.
 - 2. Spacing: 4.715 inch on center.

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- 3. Style: Square top pickets extend above top rail.
- F. Accessories: Aluminum castings.
 - 1. Decorative rings.
- G. Color: Black.

PART 3 EXECUTION

3.01 EXAMINATION

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

3.02 PREPARATION

- A. Clean surfaces thoroughly prior to installation.

3.03 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Set fence posts in accordance with the manufacturer recommended spacing.

3.04 ERECTION TOLERANCES

- A. Maximum Variation From Plumb: 1/4 inch.
- B. Maximum Offset From Indicated Position: 1 inch.
- C. Minimum distance from property line: 6 inches..

3.05 CLEANING

- A. Leave immediate work area neat at end of each work day.
- B. Clean jobsite of excess materials; scatter excess material from post hole excavations uniformly away from posts. Remove excess material if required.
- C. Clean fence with mild household detergent and clean water rinse well..
- D. Remove mortar from exposed posts and other fencing material using a 10 percent solution of muriatic acid followed immediately by several rinses with clean water.
- E. Touch up scratched surfaces using materials recommended by manufacturer. Match touchup paint color to fence finish.

3.06 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair, or replace damaged products before Substantial Completion.

END OF SECTION 32 31 19

SECTION 26 41 13 - LIGHTNING PROTECTION FOR STRUCTURES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Strike (air) terminals and interconnecting conductors.
- B. Grounding and bonding for lightning protection.

1.02 REFERENCE STANDARDS

- A. NFPA 780 - Standard for the Installation of Lightning Protection Systems; National Fire Protection Association; 2011.
- B. UL 96 - Lightning Protection Components; Underwriters Laboratories Inc.; Current Edition, Including All Revisions.

1.03 ADMINISTRATIVE REQUIREMENTS

- A. Coordination with Concrete Work: Coordinate the embedding of lightning protection components in concrete.
- B. Coordination with Roofing Work: Ensure adequate attachment of strike terminals and conductors without damage to roofing.
- C. Preinstallation Meeting: Convene a meeting at least at least two weeks prior to commencement of any work affected by lightning protection system requirements to discuss prerequisites and coordination required by other installers; require attendance by representatives of installers whose work will be affected.

1.04 QUALITY ASSURANCE

- A. Maintain one copy of each referenced system design standard on site.
- B. Manufacturer Qualifications: Company specializing in lightning protection equipment with minimum three years documented experience.
- C. Designer Qualifications: Person or entity, employed by installer, who specializes in lightning protection system design with minimum three years documented experience.
- D. Installer Qualifications: Company specializing in lightning protection system design with minimum three years documented experience.

PART 2 PRODUCTS

2.01 LIGHTNING PROTECTION SYSTEM

- A. Lightning Protection System: Provide complete system complying with NFPA 780, including air terminals, bonding, interconnecting conductors and grounding electrodes.
 - 1. Provide system that protects:
 - a. The entire structure.
 - b. Open air areas within 100 feet of exterior walls at grade level.
 - c. Open air areas within building footprint.
 - 2. Coordinate with other grounding and bonding systems specified.
 - 3. Provide copper, bronze, or stainless steel components, as applicable; no aluminum.
 - 4. Provide system certified by Underwriters Laboratories or the Lightning Protection Institute.

2.02 COMPONENTS

- A. All Components: Complying with applicable requirements of UL 96.
- B. Strike (Air) Terminals: Copper, solid, with adhesive bases for single-ply roof installations.
- C. Grounding Rods: Solid copper.
- D. Ground Plate: Copper.
- E. Conductors: Copper cable.
- F. Connectors and Splicers: Bronze.

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PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that field measurements are as indicated on shop drawings.
- B. Coordinate work with installation of roofing and exterior and interior finishes.

3.02 INSTALLATION

- A. Install in accordance with referenced system standards and as required for specified certification.

3.03 FIELD QUALITY CONTROL

- A. Perform field inspection in accordance with Section 01 40 00.
- B. Perform visual inspection as specified in NFPA 780 as if this were a periodic follow-up inspection.
- C. Perform continuity testing as specified in NFPA 780 as if this were testing for periodic maintenance.
- D. Obtain the services of the specified certification agency to provide inspection and certification of the lightning protection system, including performance of any other testing required by that agency.

END OF SECTION 26 41 13

SECTION 08 91 00 - LOUVERS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Louvers, frames, and accessories.

1.02 RELATED REQUIREMENTS

- A. Section 07 62 00 - Sheet Metal Flashing and Trim.
- B. Section 07 90 05 - Joint Sealers.
- C. Section 08 43 13 - Aluminum-Framed Storefronts: Prepared openings for louvers.

1.03 REFERENCE STANDARDS

- A. AAMA 611 - Voluntary Specification for Anodized Architectural Aluminum; American Architectural Manufacturers Association; 2012.
- B. AMCA 511 - Certified Ratings Program for Air Control Devices; Air Movement and Control Association International, Inc.; 2010.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data describing design characteristics, maximum recommended air velocity, design free area, materials and finishes.
- C. Shop Drawings: Indicate louver layout plan and elevations, opening and clearance dimensions, tolerances; head, jamb and sill details; blade configuration, screens, blankout areas required, and frames.
- D. Test Reports: Independent agency reports showing compliance with specified performance criteria.
- E. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products of the type specified in this section, with minimum three years of documented experience.

1.06 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals, for additional warranty requirements.
- B. Provide twenty year manufacturer warranty against distortion, metal degradation, and failure of connections.
 - 1. Finish: Include coverage against degradation of exterior finish.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Wall Louvers:
 - 1. Airlite Company, LLC; Product K605MD: www.airolite.com.
 - 2. American Warming and Ventilating; Product LE-32: www.awv.com.
 - 3. Construction Specialties, Inc; Product DC-5304: www.c-sgroup.com.
 - 4. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 LOUVERS

- A. Louvers: Factory fabricated and assembled, complete with frame, mullions, and accessories; AMCA Certified under AMCA 511.
 - 1. Drainable Blades: Continuous rain stop at front or rear of blade aligned with vertical gutter recessed into both jambs of frame.
 - 2. Screens: Provide insect screens at intake louvers and bird screens at exhaust louvers.
- B. Stationary Louvers: Horizontal blade, extruded aluminum construction, with mullions as shown in plans.

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1. Free Area: As coordinated with mechanical requirements, minimum.
2. Blades: V-shaped, sight-proof.
3. Frame: 4 inches deep, channel profile; corner joints mitered and, with continuous recessed caulking channel each side.
4. Metal Thickness: Frame 0.081 inch; blades 0.081 inch.
5. Finish: Color anodized; finish welded units after fabrication.
6. Color: As scheduled.

2.03 MATERIALS

- A. Extruded Aluminum: ASTM B221 (ASTM B221M),
 1. Color Anodizing: AAMA 611 Class I, AA-M12C22A42/44.
- B. Bird Screen: Interwoven wire mesh of steel, 0.063 inch diameter wire, 1/2 inch open weave, diagonal design.
- C. Insect Screen: 18 x 16 size aluminum mesh.

2.04 ACCESSORIES

- A. Screens: Frame of same material as louver, with reinforced corners; removable, screw attached; installed on inside face of louver frame.
- B. Flashings: Of same material as louver frame, formed to required shape, single length in one piece per location.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that prepared openings and flashings are ready to receive work and opening dimensions are as indicated on shop drawings.
- B. Verify that field measurements are as indicated.

3.02 INSTALLATION

- A. Install louver assembly in accordance with manufacturer's instructions.
- B. Install louvers level and plumb.
- C. Install flashings and align louver assembly to ensure moisture shed from flashings and diversion of moisture to exterior.
- D. Secure louver frames in openings with concealed fasteners.

3.03 CLEANING

- A. Strip protective finish coverings.
- B. Clean surfaces and components.

END OF SECTION 08 91 00

- Q Are residential washer/dryers required? If so, how many and at what locations. None indicated on Plans.
- A A commercial washer and commercial dryer are required per A4.1.1. They shall be installed in Laundry Room 104. Refer to specifications for basis of design equipment. No washer or dryer shall be installed in Room 216 but Room 216 shall be equipped for a future installation of both.
- Q Where are corner guards to be installed? Not shown on plans.
- A Corner guards shall be installed on outside corners in the second floor of the fire station. There are eight locations which require the guards. Refer to A2.1.2.
- Q Are the stair risers at Stairway 1 and 2 to receive FL-1 finish?
- A The stair treads and risers in stair 1 shall receive FL-1 finish. The stair treads and risers at outdoor stair 2 are to be finished in the architectural precast to match the main building, PC-1.
- Q Is CMT and ST-1 the same designation and to be STO Color 31332 29/ 07 24 00?
- A It is not understood where the reference to CMT is located within the plans. The project has exposed precast concrete, concrete with a coating, and stucco.
- Q At what openings are roller shades required? None are shown on the plans.
- A Installation of roller shades is not required per this design.
- Q Please clarify requirements for metal lockers. Are they all to be of the type indicated in specifications with a total of 18 required? Plans appear to indicate different types.
- A The specified product by Penco in the specifications is the basis of design product
- Q Detail 5/C-7 shows a "typical paving detail" and also addresses it as an alternate. Is this the detail to be used at all pavers?
- A Yes, if pavers are chosen as a bid alternate, this would be the paving detail for all areas.
- Q What is the depth requirement for the compacted aggregate base on Detail 5/C-7?
- A 8" (LBR 100 compacted to 98% modified proctor dry density)
- Q What is the base detail to be used at Paving material "I" 12" x 36" x ¾" Granite?
- A The base will be the same as the pavers.
- Q What is the required S.O.G. thickness for Rooms: Storage 102, Restroom 103 & Laundry 104?
- A The slab on grade in Rooms 102 (Storage), 103 (Restrooms) and 104 (Laundry) can be 4" thick with 6x6-W1.4x1.4 WWM.
- Q Columns shown on 01/A1.2.1 are shown as CMU with stucco finish and pre-cast cap. Detail 05/A1.3.1 show these same columns as cast-in-place. Please advise.
- A The wall has been designed as cast in place concrete per the details A1.3.1. CMU is an acceptable alternate construction for the perimeter wall columns.
- Q The lightning protection mast system components meet UL Listing but that type of system does not meet UL96a, LPI175 standards for Lightning Protection and cannot receive a UL Master Label. Is this the intent?
- A This type of lightning protection system was specified by the Owner during the previous project design and has been carried forward as required by the design directive. An alternate air terminal type system is acceptable.
- Q Detail of Lightning Mast on E3.1.1 states see Drawing E2.1 for continuation of downlead. Location of continuation cannot be found. Please advise.
- A The down lead would go to the main grounding electrode.
- Q The lightning protection mast cannot meet 170 mph wind rating. Please advise.
- A See previous response per Owner directive. An alternate air terminal type is acceptable.

- Q The Fire Alarm appears to be missing some devices (i.e. pull station at side exit 1st and 2nd floor or both, no heat in kitchen, etc.). Will a change order be issued for additional devices not shown on drawings but required by AHJ?
- A Provide base bid for fire alarm based upon plans and provide an adder for additional devices the contractor feels may be required. Based upon the building being fully Sprinklered, the engineer does not believe additional devices are required.
- Q Is Furniture to be Furnished and Installed by Owner or Contractor?
- A The project is designed as a turn-key product, so the furniture shall be provided and installed by Contractor.
- Q Floor finish FL-1 has an option to be slip-resistant by adding sand. Slip resistant is not specified. Is slip resistant finish desired?
- A Slip resistance is recommended.
- Q Referenced Specification Section for "Glazing" is not in specifications. Please provide.
- A Section 08 88 19 Solar Control Glass A is the specification for the exterior glazing.
- Q Referenced Specification Section for "Commercial Kitchen Hoods" is not in specifications. Please provide.
- A Typically this comes from the kitchen equipment supplier.
- Q The "Summit Refrigerator" has been discontinued. Please provide new selection.
- A The replacement for the specified model is FF1935PL.
- Q The Geotechnical Report appears to have been prepared for a different building location than what is to be built. The boring locations do not appear to be in the location where the building will be situated. Can a pile depth be provided to be used as an allowance since the location of test bores are not provided at the location of the new building?
- A As specified in the soils report, the rock anchors (piles) need to be installed a minimum of 3 ft into natural limestone strata and in 11 of the 12 soils borings the top of the limestone strata was encountered at or above 4 feet below grade. Soil boring B-5 appears to be an anomaly with the limestone stratum encountered at a depth of 16 ft. Our suggestion is to address such instances on an add/deduct unit cost basis. You may want to check with the soils engineer to see if he can explain the anomaly.
- Q Ornamental Fence Specifications call for a 20-year warranty. Due to the proximity of the site to the water the manufacturer will not provide this warranty. Please advise.
- A Aluminum fencing is now specified. Ameristar Echelon Plus Classic with circular metal rings, two top rails and one bottom rail is now the "basis of design." Pilaster spacings will now be calculated such that two 72" fence sections with center post can be installed without field modifications to fence section length.
- Q Please clarify the fencing shown on the North side of the site stated as Perimeter Aluminum Picket Fence 6'-0" above grade. No details provided, Landscape elevations not provided. Is this to be aluminum or follow Ornamental Fence Specifications which specifies steel? Posts to match fencing material or Concrete/Block columns?
- A All fencing shall be the same on the project.
- Q Architectural details show fence at Angela Street to be Aluminum? Is this correct or is it to be steel and follow Ornamental Fencing Specification?
- A Aluminum fencing is now specified. Ameristar Echelon Plus Classic with circular metal rings, two top rails and one bottom rail is now the "basis of design."

- Q Confirm 4" CMU walls in restrooms are to go to structure above.
- A Confirmed.
- Q 6/S3.3.5: A stub column w/3/8" embedded plate is shown at metal truss bearing. Please provide a detail indicating elevations at top of precast column, size and thickness of steel stub column, welds, and other related info.
- A Refer to sheet A3.3.3 for dimensions. The stub is part of the precast column. The embed plate is to be sized to receive the truss, but alternate details are acceptable.
- Q 1, 2 S3.3.5: Details indicate pre-engineered metal truss and connection by others. Should that read connection by Truss manufacturer?
- A Yes, connection design would be by truss manufacturer. Detail must be coordinated with precaster if there are embed plates or connection must be 100% field installed.
- Q S3.3.5: There are numerous details at truss bearing points which show symbol which could be interpreted as wood blocking. No call out is given for these symbols. Please clarify.
- A Wood blocking is incorrectly shown in Sections 2 and 3. Delete the wood blocking and insert embed plate to receive truss.
- Q A3.1.1: There are 6 steel corner bollards shown on this elevation. No details are found for the bollard or connection. Is this bollard to be provided by the precast supplier?
- A The bollards shall be attached to the precast. One manufacturer of this corner bollard is American Bollard with product name The Protector.
- Q With regard to downspouts there appear to be 7 on the large precast gutter at the roof, 5 of which are external and covered with a stainless steel cover, the other two internal to the pre-cast columns. Please verify.
- A All downspouts shall be treated the same, with an inner PVC pipe for drainage and a stainless steel cover wrap on the exterior for aesthetics. There are a total of seven (7) functional downspouts and an additional seven (7) faux downspouts. Essentially, each precast column element has one function and one faux downspout, both clad with stainless steel.
- Q With regards to downspouts for the low roof, there are two found, shown on sheet P2.1.1. Should there be additional downspouts at the south end of the building?
- A Include a total of four (4) downspouts for the low roof.
- Q In order to provide you with a complete and accurate quotation for the light gauge steel roof trusses, we need the following design loads:
- A
- Top chord dead load 20 psf
 - Top chord live load 20 psf or wind
 - Bottom chord dead load 10 psf
 - Bottom chord live load 10 psf non-concurrent (see FBC Table 1607.1)
 - 20 psf concurrent where 24"Wx42"H clearance exists over 2 trusses
 - Wind where exposed
- Q C-6: What size water meter is required for the domestic service on the 2" water line?
- A The exact meter size will be determined by the FKAA (most likely 1-1/2") upon finalization of their fixture review. Either way, the meter is something that will be paid for by the client, via impact fees, and installed by the FKAA.

- Q L3.1: Please indicate material types in these sections. Coordinate with Civil for curbing and hardscape and decorative paving limits.
- A These sections are shown for concept understanding. Refer to the plans for specific material specifications.
- Q C-7: detail 5 indicates a 4" thick concrete base.
- A Correct. Is there a specific question concerning the base?
- Q The architectural drawings show lightweight concrete topping on the 2nd floor; however the structural drawing just says concrete topping. Is the material lightweight or a standard concrete?
- A The topping is structural; it should be normal-weight structural concrete.
- Q On the kitchen equipment drawings the equipment schedule clearly specifies the equipment manufacturers; in section 11 40 00 paragraph 2.1 A "basis of design product" the specification states " ...provide either the named product or a comparable product by one of the other manufacturers specified." There are no other manufacturers listed so I would assume no other manufacturers are approved. Please confirm.
- A Additional manufacturers are acceptable, however they were not listed in the specification. The equipment must be commercial grade, so other commercial kitchen equipment manufacturers will be acceptable.
- Q In Alt#4 please confirm that the 3x9 wall tile would only be installed on the CMU walls and not the precast and it would be a floor to ceiling install.
- A Confirmed.
- Q Sheet A1.1.1: at the north side of the site a 6' high picket fence is indicated. It also appears that there are masonry piers along the fence line. No details could be found for piers. Please provide clarification for the fence and possible piers along the north side of the site.
- A The fence on the North side of the property is a fence system which matches the fence on the South side of the property. What appears to be masonry piers are the posts, which are part of the fence system.
- Q Sheet A1.1.1,L-2.0: with regard to the walls at the south end of the site, please clarify where the following items are used: Flame Handrail, Oolitic Limestone wall cladding, Stuccoed walls.
- A The flame handrail is on the outside of the ramp leading from the plaza adjacent the bus stop to the building and arcade. The Oolitic Limestone wall cladding is on the curved wall, terminating at the column adjacent the corner of Angela and Simonton Streets. The stucco is on the wall and columns along Angela Street.
- Q The Precast Structural Concrete Spec indicates numerous finish grades, page 03 41 00, can finish grades be clarified for the various precast members?
- There are three finishes desired for the precast: Light Sandblast, Heavy Sandblast, and Trowel Finish.
- TROWEL FINISHES – INTERIOR ONLY
 - Smooth, steel trowel finish unformed surfaces. Consolidate concrete, bring to proper level with straightedge, float, and trowel to a smooth, uniform finish.
 - SANDBLAST FINISHES – ALL EXTERIOR AND SOME INTERIOR
 - Manufacture member faces free of joint marks, grain, and other obvious defects with corners, including false joints, uniform, straight, and sharp. Finish exposed-face surfaces of precast concrete units to match approved sample panels, mockups and as follows:

- Abrasive-Blast Finish: Use abrasive grit, equipment, application techniques, and cleaning procedures to expose aggregate and surrounding matrix surfaces. Note, project has a mix of light and heavy sandblast based on samples in architect's office.
- Q Per the manufacture Advance Tabco, the plans and elevations do not match the equipment that is listed in the spec in division 5.
 - A The schedule and drawings A6.5.1, A6.5.2, and A6.5.3 shall govern.
- Q P2.1.1, A4.1.1; The architectural plan at the first floor laundry indicates one washer and one dryer, the plumbing plan indicates 2 washers, Please advise which is correct.
 - A One washer and one dryer is correct.
- Q A4.1.1, Spec 11 31 00 Residential Appliances; The floor plan at the second floor laundry does not indicate any washer or dryer. Are we to provide?
 - A Yes, a residential washer and residential dryer are required. They shall be installed in Laundry Room 216. Refer to specifications for basis of design equipment. Refer to A4.1.1.
- Q Please advise if precast panels receive paint on the exterior and or interior?
 - A All exterior architectural precast panels are designed with integral finishes, not requiring a coating after erection. Coatings are required, however, on some interior areas of the panels. Refer to Finish Schedule A4.4.3.
- Q Is granite cornerstone with time capsule to be provided by Owner or Contractor? Please provide specifications for this item for consideration on pre-cast. Is the Contractor to dispose of existing trees/vegetation or relocate for Owner?
 - A A cornerstone and time capsule will not be included in the project.
- Q Please confirm if a Voice Evacuation system is required for the Fire Alarm system?
 - A No. Such a system is only required for building rated for much higher occupancy. A horn/strobe system is acceptable for Fire Station #2.
- Q Sheet A4.4.3: There are alternate finishes listed for rooms 105, 106. However no alternates are indicated in the bid form for these items. Please clarify.
 - A A revised bid form has been issued.
- Q Sheet A4.4.3, and A2.2.1: at rooms 105, 106 the finish schedule indicates an exposed concrete ceiling painted, the ceiling plan A2.2.1 indicates a stucco or plaster ceiling at elevation 8'-2".. Which is correct?
 - A Exposed concrete is to be painted.
- Q A4.4.1: the masonry walls at the restrooms are indicated as epoxy paint, the precast walls indicate a factory color. Verify this is the intent for wall finish at these walls.
 - A Epoxy paint shall be applied to exposed concrete bathroom walls as per A4.4.1.
- Q A4.2.1, P2.1.2: Architectural plan shows a vanity, Plumbing plan indicates a wall hung lav, which is correct?

- A We believe the correct plan reference is P2.1.1. Wall-hung lavatories shall be installed in 105 and 106.
- Q Section 10 28 00 Toilet Accessories, states to provide items as indicated on drawings. The drawings do not indicate locations of all toilet accessories. Specifically I've looked at dwgs. A0.3.1, A4.1.1, thru A4.1.3, A4.2.3 thru A4.2.7.
- A
- Q Section 10 26 13 Impact Resistant Wall Protection, we could find no locations for corner guards in the plans, please advise.
- A Corner guards shall be installed on outside corners in the second floor of the fire station. There are eight locations which require the guards. Refer to A2.1.2.
- Q A4.1.1: Please provide and elevation for the shelving in room 108 Janitor. Also note there is no shelving shown in 107 Janitor.
- A Adjustable shelving is required in rooms 107 and 108. Six-foot long vertical, wall-mounted tracks with two shelves at each location will suffice.
- Q A2.3.2, the height of the equipment screen is not given, the plan states to coordinate with the mechanical equipment. Please provide a ht. for bidding purposes.
- A Mechanical subcontractor should be able to provide necessary equipment heights.
- Q 02/A4.1.1, P2.1.1: At room 104 Laundry the architectural plan indicates one washer and one dryer, the plumbing dwg indicates 2 washers. Please advise if 2 washers are required?
- A One washer and one dryer, both commercial type, in room 104.
- Q Specification 11 31 00 Residential Appliances lists specifies a washer and dryer. None can be found in the plans.
- A One washer and one dryer per the same plans mentioned in the previous question.
- Q A dryer exhaust line is shown at room 216 Laundry however no additional related information can be found on the plans. Please indicate where these occur.
- A Dryer exhaust, water supply, electric, and drain lines are required for both room 104 and room 216.
- Q We could not find an architectural Mezzanine Plan, please advise if one is to be issued.
- A See A4.1.3
- Q Sheet P0.1.1: General note 13 states "all exposed pipe and fitting in finished areas shall be chrome plated" please verify where chrome plated plumbing piping is required.
- A All finished areas include bathrooms and kitchen. All "exposed" plumbing indicates all visible plumbing. Truck and Equipment Bay is not a "finished area."
- Q With regard to providing our bid on flash drives, request that this requirement be deleted, the city can scan each bid and thus have a digital copy of each bid.
- A Requirement is the same for all bidders that a single PDF file containing the entire bid package be submitted on each of two flash drives, along with the required hardcopies of the bid.
- Q Please advise who is responsible for the Generator fuel. Are we going to be responsible to pump out existing fuel before relocating? Do we have to provide fuel for testing and do we have to provide top off fuel at the end of the job? If so how many gallons is the existing tank? Please advise.
- A Fuel tank is 500 gallons. As the entire generator platform should be relocated to the permanent site at or near the beginning of the project, it should not be necessary to evacuate the tank. Contractor will not be responsible for refueling. Contractor will be responsible for protecting the equipment from damage through the remainder of the project.

- Q Please clarify the need for Builders Risk insurance.
- A Builders Risk insurance is required in the amount of the full value of the proposed construction. However, since this development project lies within Flood Zone X, Flood Insurance will not be a required part of the Builders Risk coverage
- Q Is there a lightning protection specification.
- A A lightning protection specification is issued as part of this Addendum #3.
- Q Referenced specification section for “Louvers and Vents” is not in Specifications. Please provide.
- A A Louvers specification is issued as part of this Addendum #3.
- Q Section 10 28 00 Toilet Accessories, states to provide items as indicated on drawings. The drawings do not indicate locations of all toilet accessories. Specifically I've looked at dwgs. A0.3.1, A4.1.1, thru A4.1.3, 4.2.3 thru A4.2.7.
- A The only toilet accessories will be toilet paper dispensers and locations will be provided prior to mobilization.
- Q A2.3.2, S2.2.5; There will need to be some secondary structural support for the rooftop equipment screen, and also framing for a platform. Please provide details showing the support framing and platform for the equipment screens.
- A A&E indicates that this was examined and no additional structural support will be required. However, this will be reviewed once again subsequent to award and the successful bidder should plan on submitting an RFI for further clarification.
- Q A dryer exhaust line is shown at room 216 Laundry however no additional related information can be found on the plans. Please indicate where these occur.
- A Dryer exhaust ducts, vents, and booster fans are identified on M1.1.1, M1.1.2, M1.1.4 and in the fan schedule on M4.1.1.
- Q The BAARTOL COMPANY INC. is having financial difficulties and may go out of business. Can you please specify another manufacturer for the flagpole.
- A Specifications provide a total of nine manufacturers of the flagpole and also state that the list of acceptable manufacturers includes, but is not limited to the list provided. Questions like this needlessly bog down our support of bid initiatives and we respectfully request a bit of professional courtesy.