March 2, 2015

TO:    ALL BIDDERS OF RECORD


ADDENDUM #2
The following items shall take precedence over the drawings and specifications for the above named project and shall become part of the Contract Documents. Where any item called for in the specifications, or indicated on the drawings is not supplemented hereby, the original requirements shall remain in effect. Where any original item is amended, voided, or suspended hereby, the provisions of such item not specifically amended, voided or superseded, shall remain in effect.

PROJECT MANUAL:

Section 092423
Add 3.01-D-1 as noted below:
1. Use No. 8 drill-point screws wafer head corrosion-resistant, 1-1/4" or 1-5/8" long, complying with ASTM C 1002. Spacing shall be per sheathing panel manufacturers' specifications for the local wind zone requirements.

Section 093000
Add 2.2-A-5 as noted below:
5. Cutting of porcelain tile to curved edges or other intricate designs shall be by waterjet.

Section 102800
Add to 1.2-A item 3 as noted below:
3. Folding Shelf
Revise 102800-"2.5 FABRICATION" to "2.6 FABRICATION" and insert new 2.5 "FOLDING SHELVES" as below:

2.5 FOLDING SHELVES
   A. Folding shelf: Provide where indicated on drawings.
      1. Basis of Design: Pentair Model AA35SHLF1218
      2. Description: Folding shelf that locks automatically into horizontal position when raised.
      3. Width: 12 inches
      4. Length: 18 inches.
      6. Material and finish: Sheet steel, No. 4 finish (satin)
Section 211313:
On page 211313-1, revise paragraph 1.2.A to read:
Comply with the following requirements:
On page 211313-3, revise paragraph 2.2.A.2 to read:
Schedule 10 galvanized steel pipe: ASTM A-135 pipe, UL listed for sprinkler systems. Fittings shall be UL listed mechanical grooved joint couplings. Mechanical couplings for main sprinkler piping shall be rigid type coupling. Provide flexible couplings only where required.

Section 220523:
On page 220523-1, revise paragraph 1.4.D to read:
2012 International Plumbing Code.

Section 260510:
On page 260510-6,
Remove 1.2, 26 – Section 271101 Equipment Racks
Remove 1.2, 27 – Section 271300 Communication Backbone Cabling
Remove 1.2, 28 – Section 271500 Communications Horizontal Cabling
Remove 1.2, 29 – Section 281300 Access Control
Remove 1.2, 30 – Section 282300 Video Surveillance

Section 260944:
On page 260944-2, revise section Part 2, 2.1, A.
Add: “4. Crestron”

Section 271101:
Remove Spec Section 271101 Communication Equipment Racks from the project manual.

Section 271300:
Remove Spec Section 271300 Communications Backbone Cabling from the project manual.

Section 271500:
Remove Spec Section 271500 Communications Horizontal Cabling from the project manual.

Section 281300:
Remove Spec Section 281300 Access Control from the project manual.

Section 282300:
Remove Spec Section 282300 Video Surveillance from the project manual.
Section 283111:
On page 283111-3, revise section Part 2, 2.2, E.
   Remove: “6. Display system status on graphic annunciator.”
On page 238111-6, revise section Part 2, 2.7, C.
   Revise to read: “Horns: Electric-vibrating-polarized type, 24-V dc; with provision for housing the operating mechanism behind a grille. Comply with UL 464. Horns shall produce a sound-pressure level of 90 dBA, measured 10 feet (3 m) from the horn, using the coded signal prescribed in UL 464 test protocol.
   1. Color by Architect

Section 313116:
   Add Section 313116 “Termite Control” in its entirety. The four pages of this section attached to this addendum in Adobe.pdf format.

DRAWINGS:

Sheet S4.5, Section 1/S4.5:
   There are three steel tube sections called out as "HSS 5x3x1/4" (ROLLED)" to the left side of the steel framing section. Revise these three notes to read "HSS 5x3x3/16" (ROLLED)".

Sheet P402
   Sheet P402 – Plumbing Domestic Water & Gas Enlarged Views Reissued. Detail 3/P-402 has been added. Revised sheet in Adobe.pdf format attached to this Addendum.

Sheet E001
   Sheet E001 – Electrical Legend & Notes Reissued. General note added regarding removal of IT/AV/Security cabling from this contract. (This is further clarified in Project Manual revisions noted in Project Manual section of this addendum.) Revised sheet in Adobe.pdf format attached to this Addendum.

Sheet E003
   Sheet E003 Detail 2 – Partial Fire Riser Diagram, Fire Alarm System General Notes, Section 2, A) to read: “SOUND ALL AUDIBLE DEVICES (CHIMES, HORNS, BELLS, ETC.) AND FLASH ALL VISUAL DEVICES (LIGHTS OR STROBES) THROUGHOUT THE ENTIRE FACILITY.”

Sheet E050
   The contractor shall provide a prepared space for all blank circuit designations in panelboard schedules.

Sheet E060
The contractor shall provide a prepared space for all blank circuit designations in panelboard schedules.

**Sheet E060**

Revise Enclosure type of all kitchen located panels to Nema 4X cover.

**Sheet E504**

Add floorbox to support presentation lectern in Demo Auditorium 122C. The floorbox shall contain a floor mounted GFCI duplex receptacle and a floor mounted phone/data outlet. Circuit receptacle to K6:61. Coordinate final location of floorbox with the Owner/Architect.

**Sheet E505**

Sheet E505 – Bistro Bar Kitchen Equipment Schedule revise Unit ID 1-137:

- DESCRIPTION to read: “BEVERAGE COUNTER WITH SINK”
- ELECTRICAL – VA to read: “180 VA”

**RESPONSE TO QUESTIONS:**

1. Specification 283111 2.2. D 11 Speaks of monitoring the door of a defibrillator. Are monitoring one? If so, where is it located?
   Defibrillator equipment is not currently in job scope. Requirements regarding the interconnection of defibrillator equipment to the fire alarm system would only apply in the event that the owner/architect chooses to include this equipment through a project revision at a later date.

2. Specification 283111 2.2 E Speaks of a Graphic Annunciator. Are we to provide one? Where?
   This reference to a graphic annunciator has been removed from the spec section. Refer to Project Manual Section of Addendum 2.

3. Specification 283111 2.7 C is describing speakers. Are we to install speaker/strobes or horn/strobes?
   The contractor shall provide horn/strobes. Refer to Project Manual Section of Addendum 2.

4. AIM modules are shown to connect to what is described as “Shunt Trip Output of HVAC Controllers”. Are we monitoring the state of a shunt trip controller or providing an input for the shunt trip action to take place on an alarm?
   Each hood controller has an output contact which will provide a signal to an AIM during a hood controller alarm condition. The AIM will activate the building fire alarm and activate the shunt trip feature of the corresponding shunt trip circuit breakers.

5. Are the roof top duct detectors to be installed inside of the HVAC units or on the exterior of the unit? If on the exterior duct work the units must be “Weather Proof”.

4 of 8
NFPA-72 Table 14.4.3.2 tells us the method in which we are to test initiating devices. To Test a duct smoke detector you must use smoke and verify that the unit will properly sample the air stream to produce an alarm. Remote Test Stations as you have specified cannot be used to test a duct detector much less be used to certify one. Remote alarm indicators would be required for duct smoke detectors that cannot be seen from a normal viewing position. Above ceilings, on roofs, etc.

Duct mounted smoke detectors are shown on E111 – Roof Electrical Plan to establish a clear relationship between the duct mounted smoke detector and the HVAC unit that it is designed to protect. The final location of all duct mounted smoke detectors shall be coordinated with the mechanical contractor and in accordance with NFPA 72. Refer to sheet M701 ‘Mechanical Control Diagrams’ for further clarification regarding location of duct mounted smoke detectors.

6. Page 075419 Section 1.2 A and Page 075417 Section 2.2 refer to the PVC Roofing as KEE. We would like to clarify that you are looking for Fabric or fleece back PVC with the KEE Elvaloy versus a standard fabric / fleece back PVC sheet?

We are looking for adhered Fleece back PVC, as best installation for wind zone, and KEE as added grease protection due to large amount of kitchen equipment.

7. Page 075419-5 Section 2.4 A-1 States the minimum thickness as 105 mils - Is this minimum thickness to include membrane and the fabric / fleece, or just the membrane itself?

This dimension includes both fabric and membrane.

8. Detail 9/M503 indicates a Mechanical Pipe Support but the location and quantity are not shown on the Mechanical nor Structural drawings.

Please see Project Manual sections 220511 and 230529. Both sections refer to accepted standards for spacing of supports. Actual locations must be determined in field based on installed locations of structural components and coordination with all trades.

9. On page p 101 (domestic water and gas plans) in the mechanical room M-1, could you provide an enlarge piping plan of the Mechanical room M – 1 for the water and gas that shows pipe sizes for the WH – 1 gas water heater, but also for the TMV – 1 and HWC– 1, 2. I know detail 5 / P 502 shows the piping arrangements but the piping layout for the mechanical room will be most helpful and appreciated.

See sheet P-04 Re-issue in Drawing section of addendum above (revised sheet attached as pdf to this addendum)

10. A stucco subcontractor has contacted us & is questioning the need for mechanical fasteners to the soffit system in section 092423 to accommodate the weight of the ¾” of stucco to prevent sagging & or failure. The spec does not call for this to be mechanically fastened. Can we get a more detailed section of the system?
Use No. 8 drill-point screws wafer head corrosion-resistant, 1-1/4" or 1-5/8" long, complying with ASTM C 1002. Spacing shall be per sheathing panel manufacturers' specifications for the local wind zone requirements.

11. Sheet C-008 Sidewalk Detail (Within R/W) calls for 4” GABS Base & Fiber reinforced concrete. Detail 4/A001 does not call for a stone base & calls for W.W.F. reinforcing. Is C-008 detail only for sidewalk within the right-of-way & 4/A001 for sidewalks not in the ROW? If so, is the property line or setback line considered to be the right-of-way line?

   Base for exterior all concrete pavement shall be as specified in Section 030000 of the Project Manual and detailed in Civil Drawings.
   Detail 4/A-001 is meant for joint and stone edging detailing.
   Wire reinforcing inside the property line, which is the edge of rights-of-way, shall be used.
   Fibermesh reinforcing shall be used at all walks outside of the property line. There will be some overlap of this directive due to angled walkways. Transition shall be made at joint lines, with fibermesh reinforcing encroaching over into property to joint line. Do not use wire reinforcing inside the rights-of-way.

12. Reference Drawing A-721, the Porcelain Tile in the Lobby that transitions from square edge to a curve. Can the tile with the curve be cut on site or does water jet cutting need to be priced?

   Cutting of curved or other intricate shapes shown on Drawings for the porcelain tile shall be cut using a waterjet.

13. OSE Form 00201 page 9 of 9 section 9.7 states that bidders are to carry Builders Risk Insurance unless provided otherwise by the contact documents. OSE Form 00811 page 12 of 21 section 3.85 states unless otherwise provided the contractor shall purchase builders risk insurance. Economic Development Administration Contracting Provisions for Construction Projects section 13b states insurance normally required includes Builder’s Risk. The AIA A-201 document is not included in the contract documents.

   Due to the ambiguity of the language in the above referenced sections, I would like a definitive answer if Builders Risk Insurance is to be provided by the General Contractor.

   Builders Risk Insurance by the General Contractor shall be required for this project.

14. Will the Owner or the contractor be responsible for tap fees?

   The Owner will pay required tap fees for this project.

**SUBSTITUTION REQUESTS:**
064023 Interior Architectural Woodwork
M.R. Dishman and Sons is Not Approved as an acceptable supplier for this specification.

064116 Plastic Laminate Face Architectural Cabinets
M.R. Dishman and Sons is Not Approved as an acceptable supplier for this specification.

072119 Foamed in Place Insulation
NCFI is Approved as an acceptable supplier for this specification.

074213.24 Abrams Architectural Products is Approved as a supplier for this specification.

081416 Flush Wood Doors
Lambton Doors is Approved as an acceptable supplier for this specification.

084229 Automatic Entrances
GyroTech is Approved as an acceptable product for this specification.

084513 Structured Polycarbonate Panel System
Crystal Structures polycarbonate panel system is Approved as an acceptable product for this specification.

084523 Insulated Translucent Fiberglass Sandwich Panel Wall Assemblies
CPI Daylighting Quadwall System is Approved as an acceptable product for this specification.

084523 Insulated Translucent Fiberglass Sandwich Panel Wall Assemblies
Crystal Structures is Not Approved as an acceptable product for this specification.

099000 Painting
Rose Talbert Paint is Approved as an acceptable product for this specification.

102239 Folding Panel Partitions
Sunflex is Approved as an acceptable product for this specification.

107113 Exterior Sun Control Devices
American Warming and Ventilating (AMW) is Approved as an acceptable supplier for this specification.

ASCA Inc. is Approved as an acceptable supplier for this specification.

Peachtree Protective Covers is Approved as an acceptable supplier for this specification.
108200 Extruded Aluminum Adjustable Wall Louvers
American Warming and Ventilating (AMW) is Approved as an acceptable supplier for this specification.

114000 Food Service Equipment
Dewey's Service Company is Not Approved as a supplier for this specification.

Southbend is Not Approved as a supplier for this specification. (items 31-133, 31-134, 28-129, 28-132, 22-129, 22-132, 21-129, 21-132)

Jade Range, LLC. is Not Approved as a supplier for this specification. (items 21-129, 21-132, 57-143, 28-129, 28-132, 22-129, 22-132)

Beech Ovens is Not Approved as a supplier for this specification. (item 56-143)

Southern Equipment Fabricators, Inc., of Columbia, SC is Approved as a fabricator for this specification.

Section 23
Aquatherm products are Not Approved as an alternate for plumbing piping.

233713 Diffusers, Registers and Grilles
Nailor is Approved as an acceptable product for this specification.

233600 Air Terminal Units
Jonson Controls (York) is Approved as an acceptable product for this specification.

237313 Modular Central-Station Air-Handling Units
Johnson Controls (York) is Approved as an acceptable product for this specification.

236426 Variable Speed Air Cooled Rotary-Screw Water Chillers
Johnson Controls (York) is Approved as an acceptable product for this specification.

END OF ADDENDUM #2
SECTION 313116 - TERMITE CONTROL

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

B. Related Sections
   1. Section 033000 - Cast in Place Concrete

1.2 SUMMARY

A. Section Includes:
   1. Soil treatment with termiticide.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of termite control product.
   1. Include the EPA-Registered Label for termiticide products.

1.4 INFORMATIONAL SUBMITTALS

A. Qualification Data: For qualified Installer.

B. Product Certificates: For termite control products, from manufacturer.

C. Soil Treatment Application Report: After application of termiticide is completed, submit report for Owner's records and include the following:
   1. Date and time of application.
   2. Moisture content of soil before application.
   3. Termiticide brand name and manufacturer.
   4. Quantity of undiluted termiticide used.
   5. Dilutions, methods, volumes used, and rates of application.
   6. Areas of application.
   7. Water source for application.

D. Treatment Application Report: After application of termiticide is completed, submit report for Owner's records and include the following:
1. Date and time of application.
2. Termiticide brand name and manufacturer.
3. Quantity of undiluted termiticide used.
4. Dilutions, methods, volumes used, and rates of application.
5. Areas of application.

E. Warranties: Sample of special warranties.

1.5 QUALITY ASSURANCE

A. Installer Qualifications: A specialist who is licensed according to regulations of authorities having jurisdiction to apply termite control treatment and products in jurisdiction where Project is located, and who employs workers trained and approved by manufacturer to install manufacturer's products.

B. Regulatory Requirements: Formulate and apply termiticides according to the EPA-Registered Label.

C. Source Limitations: Obtain termite control products from single manufacturer.

1.6 PROJECT CONDITIONS

A. Environmental Limitations: To ensure penetration, do not treat soil that is water saturated or frozen. Do not treat soil while precipitation is occurring. Comply with requirements of the EPA-Registered Label and requirements of authorities having jurisdiction.

B. Coordinate soil treatment application with excavating, filling, grading, and concreting operations. Treat soil under footings, grade beams, and ground-supported slabs before construction.

1.7 WARRANTY

A. Soil Treatment Special Warranty: Manufacturer's standard form, signed by Applicator and Contractor, certifying that termite control work, consisting of applied soil termiticide treatment, will prevent infestation of subterranean termites. If subterranean termite activity or damage is discovered during warranty period, re-treat soil and repair or replace damage caused by termite infestation.

1. Warranty Period: Five years from date of Substantial Completion.
PART 2 - PRODUCTS

2.1 SOIL TREATMENT

   A. Termiticide: Provide an EPA-Registered termiticide, complying with requirements of authorities having jurisdiction, in an aqueous solution formulated to prevent termite infestation. Provide quantity required for application at the label volume and rate for the maximum termiticide concentration allowed for each specific use, according to product's EPA-Registered Label.

       1. Products: Subject to compliance with requirements, provide products listed below or equal:

              a. Aldrin: 0.5% solution
              b. Dieldrin: 0.5% solution
              c. Heptachlor 0.5% solution
              d. Lindane 0.5% solution.

PART 3 - EXECUTION

3.1 EXAMINATION

   A. Examine substrates, areas, and conditions, with Applicator present, for compliance with requirements for moisture content of soil per termiticide label requirements, interfaces with earthwork, slab and foundation work, landscaping, utility installation, and other conditions affecting performance of termite control.

   B. Proceed with application only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

   A. General: Comply with the most stringent requirements of authorities having jurisdiction and with manufacturer's written instructions for preparation before beginning application of termite control treatment. Remove all extraneous sources of wood cellulose and other edible materials such as wood debris, tree stumps and roots, stakes, formwork, and construction waste wood from soil within and around foundations.

   B. Soil Treatment Preparation: Remove foreign matter and impermeable soil materials that could decrease treatment effectiveness on areas to be treated. Loosen, rake, and level soil to be treated except previously compacted areas under slabs and footings. Termiticides may be applied before placing compacted fill under slabs if recommended in writing by termiticide manufacturer.

       1. Fit filling hose connected to water source at the site with a backflow preventer, complying with requirements of authorities having jurisdiction.
3.3 APPLICATION, GENERAL

A. General: Comply with the most stringent requirements of authorities having jurisdiction and with manufacturer's EPA-Registered Label for products.

3.4 APPLYING SOIL TREATMENT

A. Application: Mix soil treatment termiticide solution to a uniform consistency. Provide quantity required for application at the label volume and rate for the maximum specified concentration of termiticide, according to manufacturer's EPA-Registered Label, to the following so that a continuous horizontal and vertical termiticidal barrier or treated zone is established around and under building construction. Distribute treatment evenly.

1. Slabs-on-Grade: Under ground-supported slab construction, including footings, building slabs, and attached slabs as an overall treatment. Treat soil materials before concrete footings and slabs are placed.

2. Foundations: Adjacent soil, including soil along the entire inside perimeter of foundation walls; along both sides of interior partition walls; around plumbing pipes and electric conduit penetrating the slab; around interior column footers, and piers; and along the entire outside perimeter, from grade to bottom of footing. Avoid soil washout around footings.

3. Masonry: Treat voids of foundation walls; treat where exterior facings or veneers extend below grade level along exterior side of foundation walls.

4. Penetrations: At expansion joints, control joints, and areas where slabs will be penetrated.

B. Avoid disturbance of treated soil after application. Keep off treated areas until completely dry.

C. Protect termiticide solution, dispersed in treated soils and fills, from being diluted until ground-supported slabs are installed. Use waterproof barrier according to EPA-Registered Label instructions.

D. Post warning signs in areas of application.

E. Reapply soil treatment solution to areas disturbed by subsequent excavation, grading, landscaping, or other construction activities following application.

END OF SECTION 313116
Piping schematic shown for sizes of 2" NG. Refer to specifications for underground gas piping material. Provide U/G 3/4" H1. See domestic water & gas plan for continuation. U/G 1" HR.

Provide manual gas shutoff valve interlocked with kitchen hood fire. Provide pressure regulator from 2 PSI to 10" WC. Vent regulator to floor plan sheet notes.

Scale: 1/4" = 1'-0"P 402.

Enlarged pastry baking lab 1 and pastry baking lab 2 domestic water and gas plan.

Enlarged production kitchen 143 and wait station 140C domestic water and gas plan.

Water heater piping schematic.