ADDENDUM NUMBER THREE

January 3, 2011

The following constitutes changes, deletions, additions, and/or clarifications to the contract documents for the project titled herein. This addendum is hereby made a part of and shall be attached to each set of Contract Documents. The Contractor on the proposal form shall acknowledge addendum. Unless specifically modified herein, all work shall remain as indicated in the Contract Documents.

COUNTY OF EL PASO, PURCHASING - CLARIFICATIONS

1. Response to questions provided with this addendum.
   a. **Location / quantity of bike racks**: Provide one 5-unit bicycle rack as per attached drawing AD1.01.
   b. **Detail of shade structures**: See attached drawings AD1.01, AD1.02, AD1.03 and specifications Section 107316: Shade Canopies
   c. **Playground layout / details**: See attached drawing AD1.01 for location and specifications Section 11 68 13 including change described below.
   d. **Details / specs on white noise alternate**: Refer to specifications Section 27 51 19-Sound Masking System and drawings Sheet E7.00 Sound Masking Plan. Also see specification clarification in Electrical Specifications below.
   e. **Specifications on entry mat**: Provide a recessed aluminum foot grid: Nuway Tuftiguard design with rubber wiper strips with aluminum extrusion 7/16" shallow recessed – color to be selected by architect from manufacturer’s standard colors.
   f. **Location and quantity of projection screens**: Refer to Sheet E5.00 for location. Rooms include 108, 109,166,147 and 184 for a total of 6 units. Screens to be manual operated – size to be 40" x 72" x 82" diagonal in accordance with Section 11 52 13.
   g. **Specifications on Kiosk**: See attached Supplemental Drawing Sht AD1.04.
   h. **Details on Alternate #6 – Etched Glazing**: See attached Supplemental Drawing AD1.05. In lieu of 1-inch glazing, provide translucent panel 1-inch thick Chroma by 3 Form or an approved equal. Etched image detail shown on Sheet AD1.05 is for general intent only. Digital format images will be provided by the architect.
i. **Clarification on windows receiving manual roller shade as per specifications:** Provide manual roller shade as per specifications on all exterior windows except at front entrance (Rooms 102 & 103) and waiting area Room 105. Provide manual roller shade at all rooms with windows into the atrium (Room 100).

j. **Electronic drawings and specifications available for this project? No.**

k. **Clarification on Alternates shown of Sheet G0.00 to be included in the Bid Form (Lump Sum Contract):** List of all alternates as follows:

   A. Alternate No. 1: Provide commissioning of all energy systems as shown on Plans and Specifications.
   B. Alternate No 2: Provide and install steel shade and fabric structures as shown on Plans and Specifications.
   C. Alternate No. 3: Provide and install white noise attenuation on Plans and Specifications.
   D. Alternate No. 4: Provide and install an information kiosk as shown on Plans and Specifications.
   E. Alternate No. 5: Provide and install outdoor playground equipment as shown on Plans and Speculations.
   F. Alternate No. 6: Provide and install custom etched glazing in lieu of base bid glazing as shown on Plans and Specifications.

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**TECHNICAL SPECIFICATIONS**

1) Section 09 51 23 ACOUSTICAL TILE CEILINGS:
   a) Revise Paragraph 1.2 Summary as follows: delete sentence 2. Acoustical tile for clean rooms.
   b) Revise paragraph 2.1 Manufacturers as follows:
      i) A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products which may be incorporated in the work include, but are not limited to the following:
         (1) Armstrong
         (2) USG
         (3) CertainTeed
   c) Delete Acoustical Tile Ceiling Product Data Sheet ATC#2

2) Add Section 10 73 16 – SHADE CANOPIES

3) Add Section 08 44 13 - GLAZED ALUMINUM CURTAIN WALLS
4) Section 11 68 13: Revise Paragraph 2.04 PLAYGROUND EQUIPMENT Subparagraph A as follows: Provide and install PlaySence by Landscape Structures, Inc. product Design 306 Phase 1 or an approved equal.

5) Section 08 71 00: Add to Paragraph 2.10 F., Stanley Access Technologies as an acceptable manufacturer.

6) Section 08 71 13: Delete section in its entirety.

7) Section 08 45 23 – Translucent Panel Unit Systems: Two similar titled sections are included in the Technical Specifications. Remove the unedited section (first section) and revise the second section with the following:

a. 1.2 Submittals, revise item B. to read “Submit shop drawings. Include elevations, details, and dimensions and attachment to other work.”

b. 2.3 Panel Construction to read:
   1. Thickness:
      a. Install 1-inch at vertical panels and awnings where indicated on drawings.
      b. Install 2-¾-inch at vestibule and atrium roof where indicated on drawings.

2) Mechanical Specifications:

a) Section 22 36 00 Solar Collector System
   i) Page 8 Replace Paragraph 2.16.A with the following
      (1) A. Manufacturer:
         1. PVI
         2. Substitutions: Refer to Section 01 60 00 – Material and Equipment and Section 22 05 00 – General Mechanical requirements
   B. Page 8 Replace Paragraph 2.16.F with the following:
   ii) 2.16.F Tank: NICKELSHIELD lined welded steel; 4 inch diameter inspection port, thermally insulated with minimum 2 inches polyurethane encased in corrosion-resistant steel jacket; baked-on enamel finish.

3) Electrical Specifications:

a) Section 26 05 00 – Common Work Results for Electrical.
   i) No requests will be considered for prior approval of proposed substitutions.
   ii) In paragraph 1.3.B, revise the second sentence to read “All proposed substitutions on specific materials (including but not limited to low-voltage transformers, panelboards, switchboards, enclosed switches and circuit breakers, interior and exterior lighting fixtures, public address system, sound masking system, video surveillance system, intrusion system and fire alarm system) shall be submitted in a separate envelope enclosed with the bid and the design team and the contract administrator will review substitutions.”
b) Section 26 22 00 – Low-Voltage Transformers.
   i) In paragraph 2.1.C.2 – Windings, delete the reference to 45dBA; the sound ratings shall be per NEMA standards.

c) Section 26 51 00 – Interior Lighting.
   i) Fixture type U1 must match the same type furnished for the Juvenile Probation Department addition under-construction. Delete the Lithonia fixture and pole and revised the Kim catalog number as follows: fixture 1A/STL4/400PMH480/CC/TSP/SQ_POLE with pole PTSS30-62120-TS-A-CC.

d) Section 27 51 19 – Sound Masking System
   Equipment by Dynasound is acceptable for the sound masking system. The speakers for the sound masking system shall be mounted above the ceiling in plenum space for areas with lay-in or gypsum board ceilings. Speakers recessed in ceiling are not acceptable. In corridors without ceilings, the speakers shall be mounted above other equipment. The sound masking generator shall be a Dynasound #DS3008, the PoE network switch shall be a Dynasound #DS8000, the speakers shall be Dynasound #DS1356. See drawing Sht. E7.0 for areas requiring sound masking.
CONSTRUCTION DRAWINGS

1. Architectural:
   A. Supplemental Drawings AD1.01, AD1.02 and AD1.03 for shade canopies.
   B. Supplemental Drawings AD1.01 for bike racks.
   C. Supplemental Drawings AD1.01 for playground equipment location and details.
   D. Supplemental Drawings AD1.04 for Kiosk.
   E. Supplemental Drawings AD1.05 for Etched Glazing.
   F. Supplemental Drawings AD1.06 for spandrel panel information (SP1 / SP2).
   G. Supplemental Drawings AD1.07 to AD1.11 for additional information on exterior
      curtain wall glazing and sunshade awnings.
   H. Supplemental Drawings AD1.12 for additional information on base bid interior
      atrium finish work, planters, plant material, irrigation and playground equipment.
   I. Plumbing: Sheet P1.01 – Replace the “ELECTRIC WATER HEATER
      SCHEDULE” with the following:

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<th>SYMBOL</th>
<th>SERVES</th>
<th>STORAGE</th>
<th>HEATING ELEMENTS QTY/KW</th>
<th>RECOVERY</th>
<th>TEMPERATURES</th>
<th>MANUFACTURER &amp; MODEL</th>
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<tr>
<td>WH-1</td>
<td>BUILDING</td>
<td>125</td>
<td>3 / 4.5 KW (SEE NOTE 2)</td>
<td>80</td>
<td>60 80</td>
<td>PVI 70N 125A-E</td>
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</table>

   NOTES

   1. MANUFACTURER IS
   2. KW RATINGS @ 480 VOLTS, 3-PHASE. ELEMENTS ARE SEQUENTIALLY OPERATED BY THERMOSTAT.
   3. EACH WATER HEATER SHALL HAVE TANK INSULATION WITH A MINIMUM R-VALUE OF 20 AND SHALL MEET
      THE REQUIREMENTS OF ICC ENERGY CONSERVATION CODE 2000, SECTION 504.2
      PROVIDE AND INSTALL EXPANSION TANK. TANK CAPACITY SHALL BE 2.1 GALLON. TANK
   4. SHALL BE AMTROL MODEL THERM-X-TROL ST-5 OR APPROVED EQUIVALENT.
   5. WATER HEATER SHALL HAVE A COMMERCIAL WARRANTY OF 10 YEARS ON THE TANK.

   J. Sheet E5.0 Special System Plan – See specification Section 08 71 00 Door
      Hardware for access door control requirements. The hardware equipment
      included in this specification section for each door takes precedence over the
      type equipment shown on this drawing. Adjust rough-in outlet boxes to
      accommodate the hardware.
SECTION 10 73 16 - SHADE CANOPIES

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.

B. Related Sections:
   1. Section 03 30 00 – Concrete.

1.2 SUMMARY

A. This Section includes the following:
   1. Structural steel for canopy framing.
   2. Hardware.
   4. Warranty.

1.3 SUBMITTALS

A. General: Submit the following according to the Conditions of the Contract and Division 1 Specifications Section.

B. Product data for shade canopies include rough-in dimensions, details showing mounting methods, structural components, finishes and related materials.

1.4 QUALITY ASSURANCE

A. Single-source responsibility: Obtain shade canopy materials from one source from a single manufacturer.

B. Coordination: Field verify dimensions and location of shade canopy placement prior to installation.

C. Performance Requirements: Shade canopy shall conform to local building codes.

D. Delivery, Storage and Handling: Deliver and store all shade canopy components in protected areas.

PART 2 – PRODUCTS

2.1 MANUFACTURERS

A. Available manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated in the Work include, but are not limited to, the following:

   1. Sun Ports International, Inc.
   2. Shade Systems, Inc.
2.2 STEEL STRUCTURE
A. The Steel Structure is designed to meet or exceed the requirements of the 1997 Uniform Building Code.
B. All steel tubing is triple coated for rust protection using the in-line zinc electroplating. Tubing is internally coated with zinc and organic coatings to prevent corrosion.
C. All structural steel plates are rust/corrosion treated by zinc electroplating. Steel tubing and plates are finished with a minimum of 2.5 to 3.5 mil. thick UV-inhibited weather resistant powder coat.
D. Where size of structure or determined loads require larger structural steel members or steel greater than 7 gauge thickness, carbon steel may be substituted.
E. All carbon Structural Steel shall be ASTM A-36, except steel pipe columns, which shall be ASTM A-53, grade B, unless otherwise noted. Slip fittings are manufactured using drawn-over-mandrel steel with minimum yield strength of 70 ksi and a minimum tensile strength of 80 ksi.
F. Steel telescoped sleeves do not have more than 1/16" tolerance, with no less than 4-inch overlap at all sleeves. All internal fittings are welded on one side.
G. Structural steel is detail, fabricated, and erected in accordance with AISC specifications.
H. All shop and field welding is executed by certified welders in accordance with the latest edition of the American Welding Society specifications.
I. Shop connections are welded unless noted otherwise. Field connections are separately indicated on all drawings.
J. All welds are performed using E70 electrodes or gas-metal arc welding using ER 7053 wire. All fillet welds are a minimum 3/16" unless otherwise noted. All steel shall be welded shut at terminations to prevent internal leakage.

2.3 CONCRETE ANCHORS
A. On existing concrete slab use Hilti Stainless Steel/SS with a minimum of 3 ½-inch embedment. Epoxy anchor system used in accordance with ICBO #5193.
B. Cast in-place anchors are A-36 steel for installation on new footings.

2.4 REINFORCEMENT STEEL
A. All Reinforcement conforms to 60,000psi ASTM A-42 Grade 60 (excludes super spans and tension cable structures). Reinforcement steel, if required, is designed, detailed, fabricated and placed in accordance with the latest ACI Detailing Manual (SP-66) and CRSI Manual of Standard Practice.
2.5 HARDWARE

A. All hardware shall be of first grade stainless steel. All bolt fittings shall include nylon washers for watertight seals at all joints.
B. Wire rope shall be of a ¼" nominal diameter, 7 strand, 19 wires per strand (minimum), with a minimum nominal tensile strength of 9,000 pounds. Wire rope shall be secured with approved fittings and cable hardware, as per manufacturers' specifications.
C. All erection bolts are ASTM A-307 grade B, treated to retard corrosion, or stainless steel.

2.6 CLOTH SPECIFICATIONS

A. Cloth shall meet thread-PTFE (TEFLON®) specifications. All thread used shall meet or exceed the following requirements:
   1. High strength.
   2. Low shrinkage.
   3. Wide temperature range.
   4. Flex & abrasion resistant and UV radiation Immunity.
   5. Thread shall be guaranteed to meet or exceed the fabric's lifetime
   6. Cloth shall be unaffected by cleaning agents, acid rain, mildew, rot, chlorine, saltwater, and industrial pollutants.
   7. Lockstitch thread shall be 1200 denier.
   8. Chainstitch Thread shall be 2400 denier.

2.7 SEWING SPECIFICATIONS

A. All corners to be strengthened with 16oz. non-tear vinyl material. Protective webbing shall be sewn into all areas where steel cable enters/ exits cloth pockets.

2.8 FABRIC SPECIFICATIONS

A. Fabric materials shall meet or exceed the following requirements:

2. Construction: A monofilament and tape construction giving a stable material. Rachel knitted to ensure material will not unravel if cut.
3. Finish: Fabric is stentored. Fabric is stentored.
   SOLID COLORS STRIPE COLORS
   Warp 220.4622 lb. Warp 182.9836 lb.
   Weft 462.9707 lb. Weft 401.2413 lb.
4. Tear Strength: 37.7098 PSIA 33.0686 PSIA
5. Burst Strength: 6.8784 ozm 7.0547 ozm
PART 3 – EXECUTION

3.1 INSPECTION

A. Confirm that surrounding area is ready for the shade canopy structure installation.

B. Installer shall confirm dimensions and elevations to be as shown on drawings provided by the manufacturer.

C. Erection shall be performed by an approved installer and scheduled after all related work has been completed.

3.2 INSTALLATION

B. Installation shall be in strict accordance with the manufacturer's shop drawings. Particular attention should be given to protecting the finish during handling and erection.

C. After installation, entire system shall be left in a clean condition.

3.3 WARRANTY

A. Steel Structure: shall be covered by a 20-year warranty against failure of the structure and a one-year paint warranty

B. Fabric: shall be covered by a full 6-year warranty against significant fading, tearing, ripping and/or discoloration. Contractor shall notify the Architect on exceptions or modifications to warranty period determined by the manufacturer.

END OF SECTION 10 73 16
CANOPY, BIKE RACK AND PLAYGROUND LOCATIONS

NOTE: CANOPIES #1 & 2 ARE PART OF THE BASE BID
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NOTE: IN LIEU OF 1" LOW E GLAZING, PROVIDE 1" THICK TRANSLUCENT PANELS:"CHROMA" BY JIFORM (CAIURE DESIGN CONSULTANTS, GERALD FORNELL 505.466.2312) OR APPROVED EQUAL. PROVIDE LASER ETCH WITH A FROSTED FINISH. IMAGES SHOWN ARE FOR GENERAL INTENT. FINAL DIGITAL FORMAT WILL BE COORDINATED WITH SUPPLIER AND PROVIDED BY ARCHITECT.

ALTERNATE #6 ETCHED GLAZING
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<td>Neutral White</td>
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<td>FORMICA 800 FORMICA</td>
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<td>PL5</td>
<td>PLASTIC LAMINATE</td>
<td>NEVAMAR</td>
<td>Liberty Red</td>
<td>S1027T</td>
<td>PANOLAM INDUSTRIES 800.243.6380</td>
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<td>FORMICA</td>
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<td>FORMICA 800 FORMICA</td>
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<td>ARMSTRONG</td>
<td>Safari 2nd Look II #510</td>
<td>White</td>
<td>ARMSTRONG 877</td>
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<td>CM1</td>
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<td>TRANSLUCENT PANEL</td>
<td>3 FORM</td>
<td>CHROMA</td>
<td>MAI Tai</td>
<td>1/4&quot; Thick</td>
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SOUTH ELEVATION

SCALE: 1" = 1'-0"

GLAZING LEGEND

GLASS
TRANSLUCENT PANEL
SPANDREL PANEL

NOTE: TRANSLUCENT & SPANDREL PANELS SELECTED WILL HAVE FOUR (4) COLORS MIN. FROM MANUFACTURER'S STANDARD CHART

1" SPANDREL PANELS WILL BE FIVE PLY CONSISTING OF THE FOLLOWING MATERIALS:
FACE MATERIAL: .040 ALUMINUM, SMOOTH FINISH
FACE SUBSTRATE: 4MM CORRUGATED PLASTIC
INSULATING CORE: 2.05LB DENSITY POLYISO CYANURATE
BACK SUBSTRATE: 4MM CORRUGATED PLASTIC
BACK MATERIAL: .040 ALUMINUM, SMOOTH FINISH
MANUFACTURER: HIGH STANDARD INC. O.A.E.
084413 - ALUMINUM SUN SHADE
5/8" x 5 1/2" LONG AB
BLOCKING AS REQUIRED

5" CONCRETE PANEL

OVERHANG DETAIL
SCALE: 3/4" = 1'-0"
TYP. AT SOUTH FACADE
ENLARGED ATRIUM PLAN

NOTES:
1. 24" Dynamic Design Rolled Rim Planter w/ Attached Saucer Terra Cotta Color, with 3-gallon Tropical Plants to consist of an Assortment of Schefflera, Dracaena, Bamboo Palm, Russel Plant, and Corn Plant. To be planted in Potting Soil.

PLANter DETAIL

IRRIGATION LEGEND

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<tr>
<td>B</td>
<td>3/4&quot; Backflow Preventer w/ Enclosure</td>
</tr>
<tr>
<td>C</td>
<td>1/&quot; Remote Control Valve, Hunter MCC-100 1&quot; Control Zone Kit</td>
</tr>
<tr>
<td>A</td>
<td>Apron Max-Flo Adjustable Bubbler WRBA 8</td>
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<tr>
<td>A</td>
<td>Apron Max-Flo Adjustable Bubbler WRBA 8</td>
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<tr>
<td>N</td>
<td>1&quot; Signed PVC Fitting, Provide 3&quot; Sleeving Under All Paving</td>
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