**ADDENDUM #01R**  
December 14, 2015

**ARCHITECT:**  
DK ARCHITECTS/PLANNERS, INC.  
24 NE 24th AVENUE  
POMPANO BEACH, FL 33062  
(954) 941-3329

**PROJECT:**  
FLORIDA AGRICULTURAL & MECHANICAL UNIVERSITY  
STUDENT SERVICES BUILDING RENOVATION & ADDITION

**THE FOLLOWING DRAWINGS ARE ATTACHED HERETO:**

Complete set with Revisions #1 & #2  
Specification 08 71 00

To: Prime Contract Bidders and all other to whom the Project Manual and the Project Drawings have been issued by the Owner/Architect/Engineer or Contractor.

This Addendum is a Contract Document and may apply to any or all Contracts and subcontracts. Unless otherwise specified herein or shown on the attached drawings (if any), all work required by this Addendum shall be in complete accord with the Contract Documents and subsequent Addenda thereto.

The items listed in this Addendum are not in any order in regard to the Project Drawings or the Project Manual. All contractors are cautioned to examine each and every item of this Addendum.

The bidder shall insert the Addendum number in the space indicated on the Project Proposal Form. Failure to comply may result in the bid being rejected.

<table>
<thead>
<tr>
<th>ITEM</th>
<th>REFERENCE</th>
<th>SUBJECT</th>
<th>CHANGE/COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADVON 001</td>
<td>Pile length</td>
<td>We noticed that the plans and soil report have two different auger cast pile length and we would like to verify the correct length. Can you please advise which length we should use for our bid, is it 22’ or 40’?</td>
<td>40’ or refusal condition whichever comes first.</td>
</tr>
<tr>
<td>ADVON 002</td>
<td>Pile Testing</td>
<td>Specification Section 31 63 16 Augered Cast-in-place piles indicates in section 3.04 item B to perform load tests to requirements of Section 31 09 16.21. No such Specification exists. Please advise.</td>
<td>Pile capacity not exceeding 35 tons do not require testing.</td>
</tr>
<tr>
<td>ADVON 003</td>
<td>Pile Testing</td>
<td>Specification Section 31 63 16 Augered Cast-in-place piles indicates in section 3.04, indicates that accepted test piles may not be used in the work. The site is restricted as</td>
<td>See response to ADVON 002</td>
</tr>
<tr>
<td>ADVON 004</td>
<td>Pile Accessibility</td>
<td>Sheet S1 indicates to install two auger cast piles under an existing canopy. Has the height of the canopy been determined as adequate as far as the required headspace needed for the auger cast pile installation?</td>
<td>Design for new grade beam outside of existing overhang (steel column will remain) has been revised. See revised structural drawings.</td>
</tr>
<tr>
<td>ADVON 005</td>
<td>Door Hardware</td>
<td>There is no door hardware schedule to determine what door hardware is required for each individual door. Please provide schedule so that doors can be appropriately priced.</td>
<td>Door Hardware Schedule is available from Stanley Security, Melissa Jackson <a href="mailto:Melissa.Jackson@sbdinc.com">Melissa.Jackson@sbdinc.com</a> (407)619-8332. See revised Spec 087100</td>
</tr>
<tr>
<td>ADVON 006</td>
<td>UGE Rerouting</td>
<td>E1.1 indicates to provide 18”x24” concrete encasement for existing rerouted UG duct bank but does not indicate how to reroute. Please indicate within the electrical drawings the route and coordinate with the Civil drawings.</td>
<td>Electrical Site Plan E1.1 has been revised. This is a high voltage line/s, the exact composition must be field verified.</td>
</tr>
<tr>
<td>ADVON 007</td>
<td>Erosion Control</td>
<td>Sheet C2.0 alludes to erosion control and tree protection, but only shows one run of silt fence. Please provide an erosion control plan that will be required to meet NPDES requirements.</td>
<td>C2.0 revised: Additional silt fence has been added to cover all downhill area of new construction.</td>
</tr>
<tr>
<td>ADVON 008</td>
<td>UGE &amp; UGT</td>
<td>Sheet C2.0 indicates to reroute more electrical and communications lines than the electrical drawings. Please provide a coordinated electrical drawing that accounts for all items identified in the civil to ensure that the electricians can fully identify and understand what needs to be rerouted.</td>
<td>C2.0 and E1.1 have been revised.</td>
</tr>
<tr>
<td>ADVON 009</td>
<td>Chilled Water &amp; Steam</td>
<td>Sheet C2.0 indicates to reroute 2 – 6” existing chill water lines and steam lines. The mechanical drawings do not show this these lines to be relocated. Please provide a coordinated mechanical drawing that accounts for all items identified in the civil to ensure that the mechanical contractors can fully identify and understand what needs to be rerouted.</td>
<td>Mechanical proposes to tie into the chilled water lines right where civil proposes to rerout them. Tie Steam into existing steam line in existing Mechanical Room - exact location to be field verified. See revised C2.0 &amp; M2.1A</td>
</tr>
<tr>
<td>ADVON 010</td>
<td>Steam line</td>
<td>Civil sheet C2.0 indicates to reroute 140LF of existing 4” steam line, unless abandoned then cap. How are we to know whether it is abandoned or not? Do we price to relocate the line? If the design team cannot identify whether a line is abandoned or not, how can the construction team?</td>
<td>Remove steam line under new footprint. Cap and abandon remainder. See revised C2.0</td>
</tr>
<tr>
<td>ADVON 011</td>
<td>Abandoned Steam</td>
<td>Will the abandoned utility lines need to be removed completely or just abandoned in place? Note 1 indicates to only remove to the extent needed to complete the work.</td>
<td>See #10 above</td>
</tr>
<tr>
<td>ADVON 012</td>
<td>Sanitary Manhole</td>
<td>Sheet C4.0 and C4.1 indicates in Note 7 to apply cold tar epoxy to the inside and outside of concrete manholes. Please confirm where this occurs. No new manholes are shown on these sheets; does this occur at existing manholes?</td>
<td>A new sanitary manhole is proposed at the connection point with the existing sewer line. See revised civil C4.0 &amp; 4.1</td>
</tr>
<tr>
<td>ADVON 013</td>
<td>Sidewalk Details</td>
<td>Sheet C8.0 sidewalk typical detail indicates 1” Compacted Sand below the sidewalk and 6” of Grade I Untreated Base Course under the sidewalk. Please advise what is to be provided under the sidewalks.</td>
<td>Note now corrected. 1” compacted sand required. See revise C8.0</td>
</tr>
<tr>
<td>ADVON 014</td>
<td>Sidewalk Details</td>
<td>Sheet C8.0 concrete sidewalk detail indicates to install transverse joints every 20ft and that dowels are required; however, the dowel schedule does not indicate the diameter of the dowel for 4” sidewalks. Please confirm whether dowels are really required or provide size for use in 4” concrete.</td>
<td>Sidewalks are 6&quot; thick. See revised C3.0 and C8.0.</td>
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<tr>
<td>ADVON 015</td>
<td>Light Pole Removal</td>
<td>There are several light poles in the footprint of the construction that are not shown on the drawings to be relocated. Please advise.</td>
<td>All light poles within the building footprint are to be removed. New wall mounted lights will replace. New conduit and wire outside of footprint to maintain connection to other lights beyond addition. See revised E1.1</td>
</tr>
<tr>
<td>ADVON 016</td>
<td>Demolition</td>
<td>Sheet D0.1 indicates two items to be removed on the east side of building but do not designate. Please identify what is to be removed.</td>
<td>Concrete steps and column finish to be removed. See revised D0.1.</td>
</tr>
<tr>
<td>ADVON 017</td>
<td>Flooring Demo</td>
<td>Sheet D0.1 does not indicate to remove any flooring in the existing building, but the flooring schedule indicates to install new flooring. Please advise. Remove existing flooring in locations of proposed new flooring.</td>
<td>Remove existing flooring in locations of proposed new flooring. See revised Sheet D0.1</td>
</tr>
<tr>
<td>ADVON 018</td>
<td>Ceiling Demo</td>
<td>Sheet D0.1 does not indicate to remove the ceiling in wash area 003, corridor 002 and prep area 001 of the existing building but it is indicated on sheet A1.3. Please revise demolition drawing to indicate demo is required of the ceiling so that the demolition contractors can identify all required demolition.</td>
<td>Remove existing ceiling in locations of proposed new ceiling. See revised Sheet D0.1</td>
</tr>
<tr>
<td>ADVON 019</td>
<td>Ceiling Scope Of Work</td>
<td>No ceiling work is indicated in restroom 004 but the room is to be reconfigured. This also applies to Seating 006. Please advise.</td>
<td>004 replace existing ceiling in new configuration. 006 cut back and repair existing ceiling at new wall. See revised Sheet A1.3</td>
</tr>
<tr>
<td>ADVON 020</td>
<td>Demo SE Corner</td>
<td>Sheet S1 indicates to remove a concrete beam and steel tube on the east side of the building but does not show it on the Demolition Drawings. Please provide a demolition drawing that is coordinated with this structural demolition note so that the demolition contractors can identify all required demolition on the project.</td>
<td>Design revised - Concrete beam and steel column to remain. See revised Structural Drawings.</td>
</tr>
<tr>
<td>ADVON 021</td>
<td>Soffit SE Corner</td>
<td>After demolition, as per S1, of the concrete beam and steel tube which is completely encased with a brick and stucco facade, there will be some work that will be necessary to correct the ceiling. Please provide details as to what is to be done in this area.</td>
<td>See response to ADVON 020. Repair existing soffit as required at new masonry wall construction.</td>
</tr>
<tr>
<td>ADVON 022</td>
<td>Structure SE Corner</td>
<td>The steel column that is scheduled to be removed per S1 appears to be supporting a brick ledge that is supporting a brick façade on the Eastside of the building. After demolition of the steel column there will be nothing to support the brick and there is nothing in the drawings that indicates how it will tie back into the new addition. Please advise.</td>
<td>Design revised - Concrete beam and steel column to remain. See revised Structural Drawings.</td>
</tr>
<tr>
<td>ADVON 023</td>
<td>Details SE Corner</td>
<td>The structural drawings S1 indicate to provide temporary shoring for existing roof framing at the area where the steel column is to be removed, but the Structural drawings do not provide a detail of how the roof will be tied back into the new addition. Please advise.</td>
<td>See response to ADVON 022</td>
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<tr>
<td>ADVON 024</td>
<td>Shoring</td>
<td>Based on the depths of the auger cast piles and grade beams, it appears that shoring will be required at the existing building to prevent settlement. This recommendation is also found within the geotechnical report. The contract documents do not indicate that it is required. Please advise whether shoring is required.</td>
<td>Excavation within 5 feet of existing foundation will require shoring. Furthermore, since we as designers are not at the job site throughout construction; The new construction shall be performed in a way that under no circumstance jeopardizes the stability of any structural member of the existing structure. Accordingly every measure shall be taken in order to insure the above is fulfilled. As such it is up to the contractor to make a decision to use shoring or not.</td>
</tr>
<tr>
<td>ADVON 025</td>
<td>Existing Footings</td>
<td>How deep are the foundations for the existing building?</td>
<td>According to original design drawings, 16” from the top of the finish floor to the top of the 12”x24” strip footing</td>
</tr>
<tr>
<td>ADVON 026</td>
<td>Unstable Soil</td>
<td>The geotechnical report indicates that the soil, if deemed unstable, would be removed and replaced. Please provide an anticipated quantity that we should include for estimating purposes. If not, we have no way to quantify the work.</td>
<td>No excavation of organic material is required, we are using pilings and structural slab.</td>
</tr>
<tr>
<td>ADVON 027</td>
<td>Opening Details</td>
<td>Sheet S2.1, detail 13 indicates the detail for new door opening into existing walls. No detail exists for windows. Please advise.</td>
<td>Details/notes for the new wall openings now provided. See revised structural drawings.</td>
</tr>
<tr>
<td>ADVON 028</td>
<td>Millwork Finish</td>
<td>Please provide specifications for architectural woodwork; specifically for the plan countertops.</td>
<td>Pionite Cinnamon Noce WW601</td>
</tr>
<tr>
<td>ADVON 029</td>
<td>Roof Access</td>
<td>Is there a roof access hatch? None shown on the architectural or specified.</td>
<td>No roof hatch – there is existing roof access ladder.</td>
</tr>
<tr>
<td>ADVON 030</td>
<td>Existing Finish Patch/Repair</td>
<td>The finish schedule does not indicate any work to be done in existing seating area 006. Is the work that will be required, such as painting, flooring, vinyl base, be completed by others?</td>
<td>Patch and repair finishes to match existing at areas disturbed by new work including: Floor, Walls &amp; Ceiling. See revised sheet A6.1</td>
</tr>
<tr>
<td>ADVON 031</td>
<td>Food Service Equipment</td>
<td>Please clarify what food service equipment will be provided by the Contractor. Also, will the freezer and cooler be provided by the Contractor?</td>
<td>All food service equipment (as indicated on FS drawings) is to be provided by FAMU’s vendor: Atlantic Equipment to deliver, uncrate and set in place. The exhaust hood is to be hung by the GC including all associated duct work, duct wrap, fans and electrical control panels installed by the GC and their subcontractors. The ANSUL system installation will be completed by Captive Air under Atlantic Equipment’s contract.</td>
</tr>
<tr>
<td>ADVON 032</td>
<td>Stairwell Ceiling</td>
<td>Does the stairwell ceiling need to be fire rated? If so, please specify assembly.</td>
<td>No, stair well ceiling will be removed – paint exposed structure. Reference sheets A4.1, A1.4 &amp; A6.1</td>
</tr>
<tr>
<td>ADVON 033</td>
<td>Laydown Area</td>
<td>Please provide information on where the Contractor’s laydown area will be?</td>
<td>TBD</td>
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<tr>
<td>ADVON 034</td>
<td>Parking</td>
<td>Will the parking area between the new dorm and the student services building be available access to the area? If not, where will we access the area from?</td>
<td>Parking spaces will be provided in a designated area for four(4) vehicles</td>
</tr>
<tr>
<td>ADVON 035</td>
<td>Threshold Inspections</td>
<td>Based on the occupant load of the building, it appears that the addition along with the existing building falls under the description of a threshold building per Chapter 553 Florida Statutes. Please confirm whether this is a threshold building.</td>
<td>Yes, threshold inspections are required. A Threshold Inspection Plan will be provided. FAMU will pay for the Threshold Inspections.</td>
</tr>
<tr>
<td>ADVON 036</td>
<td>Material Testing</td>
<td>Please confirm whether or not material testing is to be paid for by the Contractor?</td>
<td>The contractor will be responsible for testing materials.</td>
</tr>
<tr>
<td>ADVON 037</td>
<td>Schedule</td>
<td>In review of the plans, we have a serious concern about the 6 month Contract Time. With the Tallahassee subcontract market as busy as it is and with the site restrictions, the extensive utility relocations and the complicated foundation system, we feel that the 6 month schedule is going to drastically escalate the cost of the project. The Contractor will utilize at least half of that time in the submittal process, utility relocates, auger cast pile installation and foundation installation. With that, will FAMU consider extending the time to 9 months, at least, in an effort to control the costs and make the project realistically feasible?</td>
<td>See Revised Construction Schedule at end of this Addendum</td>
</tr>
<tr>
<td>ADVON 038</td>
<td>Flashing</td>
<td>We would like to propose the use of a copper fabric flashing in lieu of galvanized steel flashing indicated in the documents</td>
<td>Copper Fabric Flashing is an acceptable alternate.</td>
</tr>
<tr>
<td>RAM-001</td>
<td>Food Service Equipment</td>
<td>FOOD SERVICE EQUIP: Please confirm all kitchen equipment is being procured, delivered and installed by the owner. With exception of the kitchen hood, which will be installed by the successful HVAC subcontractor.</td>
<td>See response to ADVON 031 above.</td>
</tr>
<tr>
<td>RAM-002</td>
<td>Toilet Accessories</td>
<td>TOILET ACCESSORIES: Restroom #004 &amp; #A-114 – Sheet A4.4, Elevations A &amp; 2 – Appears to show a sanitary napkin disposal. Are they required and if so specify model number.</td>
<td>Sanitary Napkin disposal has been removed. See revised sheet A4.4</td>
</tr>
<tr>
<td>RAM-003</td>
<td>Toilet Accessories</td>
<td>TOILET ACCESSORIES: Items #1, 2 &amp; 3 – Model numbers given by Architect do not match with the supplier’s numbers on their website. Please visit website and advise the supplier’s model numbers for these items.</td>
<td>Item #’s 1 &amp; 3 have been removed. Model number for item # 2 has been updated. See revised sheet A4.4</td>
</tr>
<tr>
<td>RAM-004</td>
<td>Schedule</td>
<td>SCHEDULE: Please confirm number of calendar days until substantial completion? Then to final?</td>
<td>See response to ADVON 037 above.</td>
</tr>
<tr>
<td>RAM-005</td>
<td>Fees</td>
<td>FEES: Please confirm that ALL tap fees, meter fees, permit fees, ALL plan review fees, etc. will be paid by the owner</td>
<td>Confirmed</td>
</tr>
<tr>
<td>AW-001</td>
<td>Bond</td>
<td>BOND: The Addendum is to include the Time for Construction as well as the LD’s (the spec does show something, but it can’t be correct). We need to know these items ASAP for ordering our Bid Bond. These are two questions the bonding company asks about and without the answers, it is difficult to get the bond.</td>
<td>Construction schedule see response to ADVON 037. LD’s are $300 per day.</td>
</tr>
<tr>
<td>AW-002</td>
<td>Flooring</td>
<td>FLOORING: The specs. say to see finish schedule for color and selections of materials. The finish schedule on A6.1 does not have any selections for style or color of any of the flooring. The tile spec. page 2 Part 2 Products 2.01 Tile (See IDI Finish Schedule for tile materials) There is no IDI. Also, the finish schedule on drawing A6.1 calls for stairs to get rubber base. Is that just on the landings or do they want stringers on the stairs also?</td>
<td>Kitchen quarry tile to match existing: Daltile Ashen Gray with charcoal/black cement sanded grout. Toilet Rooms to be 12x12 non-slip porcelain (group 1). Dining to match existing: patterned sheet vinyl 6′x6′ heat welded. No rubber base (change to vinyl wherever rubber is indicated). Only stair landings will have Vinyl cove bases. Freezer is prefabricated (no stained concrete or wall base). Toilet Room walls to be 4x4 Daltile ceramic gloss (group 1). See revised sheet A6.1</td>
</tr>
<tr>
<td>AW-003</td>
<td>Storefront</td>
<td>STOREFRONT: 1. Typically most buildings in Tallahassee do not require to be Hurricane Impact Rated. The specifications are calling for Hurricane Impact Rated windows and glass, is this correct? (See Specification 084313 and 088000.) 2. Typically with Hurricane Impact Rated glass, the laminated glass is the inboard piece, and the vision / tinted glass is the outboard piece. Does the architect want the outboard glass to be laminated and built as shown in specification 088000, 2.04, Item &quot;B&quot;? (See Specification 088000.) 3. There are several shades / types of green glass, which vary in price. Is it possible to narrow down the green tint or give performance characteristics, so everyone is quoting the same type of green glass? (See Specification 088000, 2.04, Item &quot;B&quot;) 4. The exterior door / frame at the Catering Office 110, is marked 101. Is this door supposed to be marked 105 as shown on the door schedule? (See Architectural Plan Page A1.1 and Page A6.1)</td>
<td>1. Storefront to be non-impact 1/4&quot; tempered glazing per attached NOA 14-0811.22. 2. See #1 3. Match existing. 4. Exterior door at the Catering Office has been changed to 105. See revised sheet A1.1</td>
</tr>
<tr>
<td>AW-004</td>
<td>Sewer &amp; Water</td>
<td>SITE: Some of my thoughts... 1. I can’t find any information on the existing sewer line (C4.1). It would be helpful to know size, depth &amp; type of material. Also, can a saddle tee be used for the connection? 2. At the proposed connection to the existing 3″ water main, no valve is shown (C4.1). It seems one would be required. Can this water main be shut down long enough to make the connection? Will it have to be done at night?</td>
<td>1. Information now provided on C4.0 2. Water Gate Valve is shown on sheet C4.0 and C4.1</td>
</tr>
<tr>
<td>AW-005</td>
<td>Grade Beams</td>
<td>GRADE BEAMS: Sheet S1, west exterior wall shows Grade Beam type 1 at the north end, but Grade Beam type 2 towards the south end. Can't tell where the change occurs. Also this sheet, on the north - south center wall of the 1 story addition, the north end of the Grade Beam is marked type 2, but the south end is type 1. The Grade Beam schedule on sheet S1 shows a type 4 GB, but I don't see one on the plan.</td>
<td>See revised sheet S1</td>
</tr>
<tr>
<td>AW-006</td>
<td>Toilet Accessories</td>
<td>TOILET ACCESSORIES: Sheet A4.4, Enlarged RR Plan 1 calls for a full length mirror in one of the notes (upper left, last line). This does NOT show in the elevations or on the Accessory Schedule. Please verify this note and provide a size if applicable.</td>
<td>Full length mirror has been removed. See revised sheet A4.4</td>
</tr>
<tr>
<td>AW-007</td>
<td>Doors</td>
<td>DOORS: The Door Schedule (sheet A6.1 does not match the First Floor plan (A1.1). The Exterior Door at the south end of Corridor A115 is mark 100. There is not a mark 100 on the Door Schedule.2. The Door Schedule lists mark 102 at Stair 114. The Floor Plan shows this as mark 103.3. The Door Schedule lists mark 105 at Catering 110. The Floor Plan shows mark 101 &amp; 106 at Catering 110. Sheet A4.4 shows some work to be done at the door to Toilet 004. However, this is not referenced on the Door Schedule.</td>
<td>Door schedule on sheet A6.1 &amp; Door Tags on sheet A1.1 have been revised to reflect correct reference numbers. Door for Toilet 004 has been numbered 113 and added to the door schedule on sheet A6.1. Door 113 will remain but hardware and closer will be replaced with ADA compliant hardware. See revised Sheet A6.1</td>
</tr>
<tr>
<td>AW-008</td>
<td>Door / Window</td>
<td>DOORS: Sheet A1.1 and A6.2 Room A-110 shows a Door Frame mark 101 with a window J alongside and this elevation shows on A6.2 Room 110 has a Door Frame mark 101 and what looks like a sidelite (similar to what’s in A-110), but no mark J on the window. Please confirm this is a mark J window at Room 110.</td>
<td>Sheet A1.1 has been revised to show window &quot;J&quot;.</td>
</tr>
<tr>
<td>AW-009</td>
<td>Concrete Spec</td>
<td>There is Spec Section 03 30 00 - Cast In Place Conc and Spec Section 33 21 1 Cast In Place Concrete. Trying to see what differences there are (also a Spec Section 33 20 0 Concrete Work General). Do all of these pertain to the Concrete for the structure?</td>
<td>These specs are for all concrete.</td>
</tr>
<tr>
<td>AW-010</td>
<td>Vapor Barrier</td>
<td>Spec Section 03 30 00, Section 3.02. F mentions installing the Vapor Barrier on granular fill. Then says 'Do Not Use Sand'. Is sand fill not allowed under the building slab? The Earthwork spec appears to allow this for fill.</td>
<td>Under-slab Vapor Barrier to be Stego Wrap 15-mil (Class A) and may be installed over sand or gravel (whichever is specified in soil report and/or structural drawings).</td>
</tr>
<tr>
<td>AW-011</td>
<td>Wall Insulation</td>
<td>Spec Section 07 21 00, Section 2.01 states that Exterior Wall Insulation is to be R=19. The only insul is this section is the Board Insul in the Masonry Cavity Walls. Detail 1/A3.2 shows an RS insul board of 1&quot; board. That, though, conflicts with the R=19 listing</td>
<td>Install 1&quot; rigid insulation R-5 per 1/A3.2</td>
</tr>
<tr>
<td><strong>AW-012</strong></td>
<td><strong>Joint Sealants</strong></td>
<td>There are two spec sections 07 92 00 - Joint Sealants and they are different. Which is correct?</td>
<td>Use the first Section 07 92 00, beginning with &quot;Part 1 General 1.01 Section Includes&quot;</td>
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<tr>
<td><strong>AW-013</strong></td>
<td><strong>Pile Location</strong></td>
<td>The piles that are located just off of the existing building appear to be too close for our auger equipment to install the piles. Typically we need the center of the auger cast pile to be a minimum of 36” from the face of the existing structure.</td>
<td>Pile locations can be modified due to equipment issues once the bid is awarded. (There is a pending pile location modification which will be affected as soon as the exact UGT location is determined – any equipment clearance issues will also be accounted for in the modified design.)</td>
</tr>
<tr>
<td><strong>AW-014</strong></td>
<td><strong>Pile Reinforcing</strong></td>
<td>The pile detail shows a full length reinforcing cage. This is not typical for an auger cast pile and due to installation methods getting a cage set full length of an auger cast pile does not work. Typically we install cages 1/2 to 1/3 the length of the pile. Can we get this cage shortened?</td>
<td>Pile reinforcing has been modified to reflect a cage 28'-0” long and then a single #7 bar the full length. The cage needs to extend to the poor soils which varies down to 20+ feet.</td>
</tr>
<tr>
<td><strong>CSI 001</strong></td>
<td><strong>Sewer Connection</strong></td>
<td>On sheets C4.0 and C4.1 it appears the new sanitary sewer connections occur in the parking area (?). Should there be a new manhole constructed at that connection point? There is not one shown on the plans.</td>
<td>See response to ADVON 012</td>
</tr>
<tr>
<td><strong>CSI 002</strong></td>
<td><strong>Trailer Removal</strong></td>
<td>Will the university be responsible for moving the storage units that are currently staged in the parking area. The units will have to be relocated for the underground utility work in this area.</td>
<td>The University will move the three trailers behind the SSC.</td>
</tr>
<tr>
<td><strong>CSI 003</strong></td>
<td><strong>Floor Finishes</strong></td>
<td>Page A1.6 and A6.1 floor finishes seem to be different. Please confirm which is correct.</td>
<td>See response to AW 002 above.</td>
</tr>
<tr>
<td><strong>CSI 004</strong></td>
<td><strong>Doors</strong></td>
<td>A1.1 the exterior door at the catering office (110) is numbered 101. The door schedule on page A6.1 indicates the same door as 105. Please confirm which is correct.</td>
<td>See response to AW 001 above.</td>
</tr>
<tr>
<td><strong>CSI 005</strong></td>
<td><strong>Doors</strong></td>
<td>A1.1 door 100, south end of A115 corridor is not shown on the door schedule page A6.1.</td>
<td>See response to AW 001 above.</td>
</tr>
<tr>
<td><strong>CSI 006</strong></td>
<td><strong>Steam Lines</strong></td>
<td>C4.0 directs to cap existing steam lines. M2.1A seems to indicate we tie into steam lines to supply new Heating Hot Water. Can we connect to existing boiler in mechanical room instead? Is the steam pressure reducing station still required if we connect to the existing boiler?</td>
<td>Demolition note has been revised to say “Remove steam lines under proposed addition, cap/abandon remainder. New steam connection will be in the existing mechanical room. See revised sheet M2.1A</td>
</tr>
<tr>
<td><strong>CSI 007</strong></td>
<td><strong>Food Service Equipment</strong></td>
<td>FS1.1 in electrical and plumbing notes indicate the final connections of the equipment are the responsibility of the electrical and plumbing contractor. The discussion at the pre-bid meeting indicated the final connections would be made by the equipment supplier. Please confirm which scenario is correct?</td>
<td>See response to ADVON 031 above.</td>
</tr>
<tr>
<td><strong>CSI 008</strong></td>
<td><strong>Food Service Equipment</strong></td>
<td>Please confirm all equipment listed on pages FS1 and FS1.1 is supplied, delivered, assembled and installed by the kitchen equipment provider or the owner.</td>
<td>See response to ADVON 031 above.</td>
</tr>
<tr>
<td>CSI 009</td>
<td>Electric Pull Box</td>
<td>E1.1, please provide additional information regarding the new manhole \ cable vault for the re-routing of existing (4) 4” telecom conduits. What size, what type?</td>
<td>See Pull Box Detail sheet E0.1</td>
</tr>
<tr>
<td>CSI 010</td>
<td>UGT</td>
<td>Will FAMU be relocating the underground telecommunications service or is the contractor responsible for that work?</td>
<td>GC to determine exact location of existing UGT (demolish and remove concrete, then GPR or hand dig). Once exact location is determined, piling locations will be revised to avoid conflict. The intent is for UGT to remain undisturbed.</td>
</tr>
<tr>
<td>CSI 011</td>
<td>Storefront</td>
<td>Specification section B8000, 2.04, B. Please confirm the laminated impact glass is the outboard piece and in the interior glass is tempered as stated the specifications. Typically the outboard piece is tempered and tinted and the inboard glass is laminated impact resistant.</td>
<td>See response to AW 003 above.</td>
</tr>
<tr>
<td>CSI 012</td>
<td>Flooring / Base</td>
<td>A6.1, the finish schedule calls for some rooms to get rubber base and some to get vinyl composite base. The specification only includes 4” rubber base. Please clarify which is correct. If vinyl composition base is to be used we need a specification.</td>
<td>See response to AW 002 above.</td>
</tr>
<tr>
<td>CSI 013</td>
<td>Carpet Tile</td>
<td>The specification (096813) for the carpet tile includes manufacturers but not product information. Please provide additional product information or basis of design product.</td>
<td>Mohawk Group - GT154 Faculty Remix Carpet Tile. Sample to be approved before installation.</td>
</tr>
</tbody>
</table>

**CONSTRUCTION SCHEDULE (REVISED)**
- **12-23-2015** RFI closing
- **12-29-2015** Addenda (RFI Response) issue
- **01-05-2016** Bid Opening 3pm
- **245** calendar day Construction Period to Substantial Completion
- **30** day Final Completion Period

**END OF ADDENDUM**
SECTION 087100 - DOOR HARDWARE

PART 1 - GENERAL

1.1 SUMMARY:

A. Section Includes: Finish Hardware for door openings, except as otherwise specified herein.
   1. Door hardware for steel (hollow metal) doors.
   2. Door hardware for wood doors.
   3. Keyed cylinders as indicated.

B. Related Sections:
   1. Division 6: Rough Carpentry.
   2. Division 8: Hollow Metal Doors and Frames.
   3. Division 8: Wood Doors.

C. References: Comply with applicable requirements of the following standards. Where these standards conflict with other specific requirements, the most restrictive shall govern.
   1. Builders Hardware Manufacturing Association (BHMA)
   3. NFPA 80 -Fire Doors and Windows
   4. ANSI-A156.xx- Various Performance Standards for Finish Hardware
   5. UL10C – Positive Pressure Fire Test of Door Assemblies
   6. ANSI-A117.1 – Accessible and Usable Buildings and Facilities
   7. DHI/ANSI A115.IG – Installation Guide for Doors and Hardware
   8. Florida Building Codes for Hurricane (NOA) for exterior openings.

D. Intent of Hardware Groups
   1. Should items of hardware not definitely specified be required for completion of the Work, furnish such items of type and quality comparable to adjacent hardware and appropriate for service required.
   2. Where items of hardware aren't definitely or correctly specified, are required for completion of the Work, a written statement of such omission, error, or other discrepancy to Architect, prior to date specified for receipt of bids for clarification by addendum; or, furnish such items in the type and quality established by this specification, and appropriate to the service intended.

E. Allowances
   1. Refer to Division 1 for allowance amount and procedures.

F. Alternates
   1. Refer to Division 1 for Alternates and procedures.

1.2 SUBSTITUTIONS:

A. Comply with Division 1.
1.3 SUBMITTALS:

A. Comply with Division 1.

B. Special Submittal Requirements: Combine submittals of this Section with Sections listed below to ensure the "design intent" of the system/assembly is understood and can be reviewed together.

C. Product Data: Manufacturer's specifications and technical data including the following:
   1. Detailed specification of construction and fabrication.
   2. Manufacturer's installation instructions.
   3. Wiring diagrams for each electric product specified. Coordinate voltage with electrical before submitting.
   4. Submit 6 copies of catalog cuts with hardware schedule.

D. Shop Drawings - Hardware Schedule: Submit 6 complete reproducible copy of detailed hardware schedule in a vertical format.
   1. List groups and suffixes in proper sequence.
   2. Completely describe door and list architectural door number.
   3. Manufacturer, product name, and catalog number.
   4. Function, type, and style.
   5. Size and finish of each item.
   7. Explanation of abbreviations and symbols used within schedule.
   8. Detailed wiring diagrams, specially developed for each opening, indicating all electric hardware, security equipment and access control equipment, and door and frame rough-ins required for specific opening.

E. Templates: Submit templates and "reviewed Hardware Schedule" to door and frame supplier and others as applicable to enable proper and accurate sizing and locations of cutouts and reinforcing.
   1. Templates, wiring diagrams and "reviewed Hardware Schedule" of electrical terms to electrical for coordination and verification of voltages and locations.

F. Samples: (If requested by the Architect)
   1. 1 sample of Lever and Rose/Escutcheon design, (pair).
   2. 3 samples of metal finishes

G. Contract Closeout Submittals: Comply with Division 1 including specific requirements indicated.
   1. Operating and maintenance manuals: Submit 3 sets containing the following.
      a. Complete information in care, maintenance, and adjustment, and data on repair and replacement parts, and information on preservation of finishes.
      b. Catalog pages for each product.
      c. Name, address, and phone number of local representative for each manufacturer.
      d. Parts list for each product.
   2. Copy of final hardware schedule, edited to reflect, "As installed".
   3. Copy of final keying schedule
4. As installed “Wiring Diagrams” for each piece of hardware connected to power, both low voltage and 110 volts.
5. One set of special tools required for maintenance and adjustment of hardware, including changing of cylinders.

1.4 QUALITY ASSURANCE

A. Comply with Division 1.

1. Exterior Openings Severe Windstorm Components testing: Listed and labeled by a testing and inspecting agency acceptable to authority having jurisdiction, based on testing according to ANSI A250.13. Further compliance with Florida Building Codes for Hurricane (NOA) for Exterior Openings.
2. Statement of qualification for distributor and installers.
3. Statement of compliance with regulatory requirements and single source responsibility.
4. Distributor's Qualifications: Firm with 3 years experience in the distribution of commercial hardware.
   a. Distributor to employ full time Architectural Hardware Consultants (AHC) for the purpose of scheduling and coordinating hardware and establishing keying schedule.
   b. Hardware Schedule shall be prepared and signed by an AHC.
5. Installer's Qualifications: Firm with 3 years experienced in installation of similar hardware to that required for this Project, including specific requirements indicated.
6. Regulatory Label Requirements: Provide testing agency label or stamp on hardware for labeled openings.
   a. Provide UL listed hardware for labeled and 20 minute openings in conformance with requirements for class of opening scheduled.
   b. Underwriters Laboratories requirements have precedence over this specification where conflict exists.
7. Single Source Responsibility: Except where specified in hardware schedule, furnish products of only one manufacturer for each type of hardware.

B. Review Project for extent of finish hardware required to complete the Work. Where there is a conflict between these Specifications and the existing hardware, notify the Architect in writing and furnish hardware in compliance with the Specification unless otherwise directed in writing by the Architect.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Packing and Shipping: Comply with Division 1.

1. Deliver products in original unopened packaging with legible manufacturer's identification.
2. Package hardware to prevent damage during transit and storage.
3. Mark hardware to correspond with "reviewed hardware schedule".
4. Deliver hardware to door and frame manufacturer upon request.

B. Storage and Protection: Comply with manufacturer's recommendations.
1.6 PROJECT CONDITIONS:

A. Coordinate hardware with other work. Furnish hardware items of proper design for use on doors and frames of the thickness, profile, swing, security and similar requirements indicated, as necessary for the proper installation and function, regardless of omissions or conflicts in the information on the Contract Documents.

B. Review Shop Drawings for doors and entrances to confirm that adequate provisions will be made for the proper installation of hardware.

1.7 WARRANTY:

A. Refer to Conditions of the Contract

B. Manufacturer’s Warranty:

1. Closers: Ten years
2. Exit Devices: Three Years
3. Locksets & Cylinders: Three years
4. All other Hardware: Two years.

1.8 OWNER’S INSTRUCTION:

A. Instruct Owner’s personnel in operation and maintenance of hardware units.

1.9 MAINTENANCE:

A. Extra Service Materials: Deliver to Owner extra materials from same production run as products installed. Package products with protective covering and identify with descriptive labels. Comply with Division 1 Closeout Submittals Section.

1. Special Tools: Provide special wrenches and tools applicable to each different or special hardware component.
2. Maintenance Tools: Provide maintenance tools and accessories supplied by hardware component manufacturer.
3. Delivery, Storage and Protection: Comply with Owner’s requirements for delivery, storage and protection of extra service materials.

B. Maintenance Service: Submit for Owner’s consideration maintenance service agreement for electronic products installed.

PART 2 - PRODUCTS

2.1 MANUFACTURERS:

A. The following manufacturers are approved subject to compliance with requirements of the Contract Documents. Approval of manufacturers other than those listed shall be in accordance with Division 1.

<table>
<thead>
<tr>
<th>Item</th>
<th>Manufacturer</th>
<th>Approved</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hinges</td>
<td>Stanley</td>
<td>McKinney, Ives</td>
</tr>
<tr>
<td>Continuous Hinges</td>
<td>Stanley</td>
<td>McKinney, Ives</td>
</tr>
<tr>
<td>Locksets</td>
<td>Best 9K</td>
<td>No Substitutions</td>
</tr>
<tr>
<td>Cylinders</td>
<td>Best COREMAX</td>
<td>No Substitutions</td>
</tr>
</tbody>
</table>

DOOR HARDWARE
## Florida A&M University – Student Services Building Addition & Renovation, Tallahassee, FL

<table>
<thead>
<tr>
<th>Exit Devices</th>
<th>Precision Apex</th>
<th>Von Duprin, Sargent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Closers</td>
<td>Stanley QDC100</td>
<td>LCN 4040XP, Sargent280</td>
</tr>
<tr>
<td>Protection Plates</td>
<td>Trimco</td>
<td>Rockwood, Ives</td>
</tr>
<tr>
<td>Overhead Stops</td>
<td>Trimco</td>
<td>Rockwood, Ives</td>
</tr>
<tr>
<td>Door Stops</td>
<td>Stanley</td>
<td>Rockwood, Ives</td>
</tr>
<tr>
<td>Flush Bolts</td>
<td>Trimco</td>
<td>Rockwood, Ives</td>
</tr>
<tr>
<td>Threshold &amp; Gasketing</td>
<td>National Guard</td>
<td>Zero</td>
</tr>
</tbody>
</table>

### 2.2 MATERIALS:

**A. Hinges:** Shall be Five Knuckle Ball bearing hinges

1. Template screw hole locations
2. Bearings are to be fully hardened.
3. Bearing shell is to be consistent shape with barrel.
4. Minimum of 2 permanently lubricated non-detachable bearings on standard weight hinge and 4 permanently lubricated bearing on heavy weight hinges.
5. Equip with easily seated, non-rising pins.
6. Non Removable Pin screws shall be slotted stainless steel screws.
7. Hinges shall be full polished, front, back and barrel.
8. Hinge pin is to be fully plated.
9. Bearing assembly is to be installed after plating.
10. Sufficient size to allow 180-degree swing of door
11. Furnish five knuckles with flush ball bearings
12. Provide hinge type as listed in schedule.
13. Furnish 3 hinges per leaf to 7 foot 6 inch height. Add one for each additional 30 inches in height or fraction thereof.
14. Tested and approved by BHMA for all applicable ANSI Standards for type, size, function and finish
15. UL10C listed for Fire

**B. Geared Continuous Hinges:**

1. Tested and approved by BHMA for ANSI A156.26-1996 Grade 1
2. Anti-spinning through fastener
3. UL10C listed for 3 hour Fire rating
4. Non-handed
5. Lifetime warranty
6. Provide Fire Pins for 3-hour fire ratings
7. Sufficient size to permit door to swing 180 degrees

**C. Cylindrical Type Locks and Latchsets:**

1. Tested and approved by BHMA for ANSI A156.2, Series 4000, Operational Grade 1, Extra-Heavy Duty, and be UL10C listed
2. Fit modified ANSI A115.2 door preparation
3. Locksets and cores to be of the same manufacturer to maintain complete lockset warranty
4. Locksets to have anti-rotational studs that are thru-bolted
5. Keyed lever shall not have exposed “keeper” hole
6. Each lever to have independent spring mechanism controlling it
7. 2-3/4 inch (70 mm) backset
8. 9/16 inch (14 mm) throw latchbolt
9. Provide sufficient curved strike lip to protect door trim

**DOOR HARDWARE 087100 - 5**
10. Outside lever sleeve to be seamless, of one-piece construction made of a hardened steel alloy
11. Keyed lever to be removable only after core is removed, by authorized control key
12. Provide locksets with 7-pin removable and interchangeable core cylinders
13. Hub, side plate, shrouded rose locking pin to be a one-piece casting with a shrouded locking lug.
14. Locksets outside locked lever must withstand a minimum 1400 inch pounds of torque. In excess of that, a replaceable part will shear. Key from outside and inside lever will still operate lockset
15. Core face must be the same finish as the lockset
16. Functions and design as indicated in the hardware groups
17. Provide Tactile levers in areas of danger per ADA.
18. Electrified functions as listed in hardware sets.

D. Cylindrical Deadbolt:

1. Tested and approved by BHMA for ANSI A156.5, Operational Grade 1
2. Fit modified ANSI A115.3 door preparation
3. Locksets and cores to be of the same manufacturer to maintain complete lockset warranty
4. 2-3/4 inch (70mm) backset, or 2 3/8 inch backset as needed
5. 1 inch throw deadbolt
6. Provide locksets with 7-pin core.

E. Exit Devices shall:

1. Tested and approved by BHMA for ANSI 156.3, Grade 1
2. Provide a deadlocking latchbolt
3. Non-fire rated exit devices shall have cylinder dogging.
4. Touchpad shall be “T” style
5. Exposed components shall be of architectural metals and finishes.
6. Lever design shall match lockset lever design
7. Provide strikes as required by application.
8. Fire exit devices to be listed for UL10C
9. UL listed for Accident Hazard
10. Shall consist of a cross bar or push pad, the actuating portion of which extends across, shall not be less than one half the width of the door leaf.
11. Provide vandal resistant or breakaway trim
12. Aluminum vertical rod assemblies are acceptable only when provide with the manufacturers optional top and bottom stainless steel rod guard protectors

F. Cylinders:

1. Provide the necessary cylinder housings, collars, rings & springs as recommended by the manufacturer for proper installation.
2. Provide the proper cylinder cams or tail piece as required to operate all locksets and other keyed hardware items listed in the hardware sets.
3. Coordinate and provide as required for related sections.

G. Door Closers shall:

1. Tested and approved by BHMA for ANSI 156.4, Grade 1
2. UL10C certified
3. Closer shall have extra-duty arms and knuckles
4. Conform to ANSI 117.1
5. Maximum 2 7/16 inch case projection with non-ferrous cover
6. Separate adjusting valves for closing and latching speed, and backcheck
7. Provide adapter plates, shim spacers and blade stop spacers as required by frame and door conditions
8. Full rack and pinion type closer with 1½” minimum bore
9. Mount closers on non-public side of door, unless otherwise noted in specification
10. Closers shall be non-handed, non-sized and multi-sized.

H. Door Stops: Provide a dome floor or wall stop for every opening as listed in the hardware sets.
   1. Wall stop and floor stop shall be wrought bronze, brass or stainless steel.
   2. Provide fastener suitable for wall construction.
   3. Coordinate reinforcement of walls where wall stop is specified.
   4. Provide dome stops where wall stops are not practical. Provide spacers or carpet riser for floor conditions encountered

I. Over Head Stops: Provide a concealed overhead when a floor or wall stop cannot be used or when listed in the hardware set.
   1. Concealed overhead stops shall be heavy duty stainless steel.

J. Kickplates: Provide with four beveled edges ANSI J102, 8 inches high by width less 2 inches on single doors and 1 inch on pairs of doors. Furnish oval-head countersunk screws to match finish.

K. Mop plates: Provide with four beveled edges ANSI J103, 4 inches high by width less 1 inch on single doors and 1 inch on pairs of doors. Furnish oval-head countersunk screws to match finish.

L. Door Bolts: Flush bolts for wood or metal doors.
   1. Provide a set of Automatic bolts ANSI/BHMA 156.3 Type 25 for hollow metal label doors.
   2. Provide a set of Automatic bolts ANSI/BHMA 156.3 Type 27 at wood label doors.
   4. Provide Dust Proof Strike ANSI/BHMA 156.16 at doors with flush bolts without thresholds.

M. Seals: All seals shall be finished to match adjacent frame color. Seals shall be furnished as listed in schedule. Material shall be UL listed for labeled openings.
   1. Provide intumescent seals as required for door assembly to meet fire rating indicated on door schedule.

N. Weatherstripping: Provide at head and jambs only those units where resilient or flexible seal strip is easily replaceable. Where bar-type weatherstrip is used with parallel arm mounted closers install weatherstrip first.
   1. Weatherstrip shall be resilient seal of Neoprene, Vinyl or Silicone
   2. UL10C Positive Pressure rated seal set when required.

O. Door Bottoms/Sweeps: Surface mounted or concealed door bottom where listed in the hardware sets.
   1. Door seal shall be resilient seal of Neoprene or Polyurethane
   2. UL10C Positive Pressure rated seal set when required.
P. Thresholds: Thresholds shall be aluminum beveled type with maximum height of ½” for conformance with ADA requirements. Furnish as specified and per details. Provide fasteners and screws suitable for floor conditions.

Q. Silencers: Furnish silencers on all interior frames, 3 for single doors, 2 for pairs. Omit where any type of seals occur.

2.3 FINISH:

A. Designations used in Schedule of Finish Hardware - 3.5, and elsewhere to indicate hardware finishes are those listed in ANSI/BHMA A156.18 including coordination with traditional U.S. finishes shown by certain manufacturers for their products.

B. Powder coat door closers to match other hardware, unless otherwise noted.

C. Aluminum items shall be finished to match predominant adjacent material. Seals to coordinate with frame color.

2.4 KEYS AND KEYING:

A. Provide keyed brass construction cores and keys during the construction period. Construction control and operating keys and core shall not be part of the Owner's permanent keying system or furnished in the same keyway (or key section) as the Owner's permanent keying system. Permanent cores and keys (prepared according to the accepted keying schedule) will be furnished to the Owner (provided by contractor).

B. Cylinders, removable and interchangeable core keyed to the existing Best Masterkey System.

C. Permanent keys and cores: Stamped with the applicable key mark for identification. These visual key control marks or codes will not include the actual key cuts. Permanent keys will also be stamped "Do Not Duplicate."

D. Transmit Grand Masterkeys, Masterkeys and other Security keys to Owner by Registered Mail, return receipt requested.

E. Furnish keys in the following quantities:

1. 3 each Grand Masterkeys
2. 6 each Masterkeys
3. 3 each Change keys each keyed core
4. 15 each Construction masterkeys
5. 2 each Control keys

F. The Owner, or the Owner's agent, will install permanent cores and return the construction cores to the Hardware Supplier. Construction cores and keys remain the property of the Hardware Supplier.

G. Keying Schedule: Arrange for a keying meeting with Architect, Owner and hardware supplier, and other involved parties to ensure locksets and locking hardware, are functionally correct and keying complies with project requirements. Furnish 3 typed copies of keying schedule to Architect.
PART 3 - EXECUTION

3.1 EXAMINATION

A. Verification of conditions: Examine doors, frames, related items and conditions under which Work is to be performed and identify conditions detrimental to proper and or timely completion.

1. Do not proceed until unsatisfactory conditions have been corrected.

3.2 HARDWARE LOCATIONS:

A. Mount hardware units at heights indicated in the following publications except as specifically indicated or required to comply with the governing regulations.

1. Recommended Locations for Builder's Hardware for Standard Steel Doors and Frames, by the Door and Hardware Institute (DHI).

2. Recommended locations for Architectural Hardware for flush wood doors (DHI).


3.3 INSTALLATION:

A. Install each hardware item per manufacturer’s instructions and recommendations. Do not install surface mounted items until finishes have been completed on the substrate. Set units level, plumb and true to line and location. Adjust and reinforce the attachment substrate as necessary for proper installation and operation.

B. Conform to local governing agency security ordinance.

C. Install Conforming to ICC/ANSI A117.1 Accessible and Usable Building and Facilities.

1. Adjust door closer sweep periods so that from the open position of 70 degrees, the door will take at least 3 seconds to move to a point 3 inches from the latch, measured to the landing side of the door.

D. Installed hardware using the manufacturers fasteners provided. Drill and tap all screw holes located in metallic materials. Do not use “Riv-Nuts” or similar products.

3.4 FIELD QUALITY CONTROL AND FINAL ADJUSTMENT

A. Contractor/Installers, Field Services: After installation is complete, contractor shall inspect the completed door openings on site to verify installation of hardware is complete and properly adjusted, in accordance with both the Contract Documents and final shop drawings.

1. Check and adjust closers to ensure proper operation.

2. Check latchset, lockset, and exit devices are properly installed and adjusted to ensure proper operation.

   a. Verify levers are free from binding.

   b. Ensure latchbolts and dead bolts are engaged into strike and hardware is functioning.
3. Report findings, in writing, to architect indicating that all hardware is installed and functioning properly. Include recommendations outlining corrective actions for improperly functioning hardware if required.

3.5 SCHEDULE OF FINISH HARDWARE:

TO BE PROVIDED BY:
Stanley Security
Melissa Jackson
Melissa.Jackson@sbdinc.com
(407)619-8332