SECTION 00 90 04
BIDDING AND CONTRACT REQUIREMENTS
ADDENDUM NUMBER 4

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312.496.0000

To: Prospective Bidders

Issued: October 12, 2023

Re: ADDENDUM NUMBER (4) TO THE BIDDING DOCUMENTS FOR

McHenry County College
University Center at MCC
Architect’s Project Number: 22-050

This addendum forms a part of the bidding and contract documents and modifies the original bidding documents dated September 19, 2023. Acknowledge receipt of this addendum in the space provided on Bid Form. FAILURE TO DO SO MAY SUBJECT BIDDER TO DISQUALIFICATION.

ADDENDA TO THE PROJECT MANUAL

1. 01 10 00 – Summary
   A. REVISE section 1.6-D to the following…

   "D. Liquidated Damages: Refer to Article 9.8.8 of the General Conditions of the contract for construction for Liquidated Damages associated with this project. Liquidated Damages shall be in the amount of $1,000.00 per calendar day and shall apply to all phases of the project unless noted below.

   1. Procurement and Installation schedule of the Gas-Powered Generator is exempt from the liquidated damages clause. If the procurement schedule does not allow for installation of the generator system by the substantial completion date, the contractor will be responsible for coordinating the installation around the owner’s occupancy schedule once the equipment arrives at no additional cost to the owner.

   2. Procurement and Installation of the Switchboard equipment is exempt from the liquidated damages clause. If the procurement schedule does not allow for installation of the switchboard equipment by the substantial completion date, the contractor will be responsible for installation of the equipment in the following timeframes at no additional cost to the owner.

   a. (5) standard working days between 6/30/2024 and 8/2/2024 OR
   b. (5) standard working days between 12/16/2024 and 1/10/2025."

2. 08 41 26 – All-Glass Entrances and Storefronts
   A. REVISE 2.4-A-1-a to “Thickness: As Indicated on drawings”.

3. 08 71 00 – Door Hardware
   A. ADD the following section and REVISE "2.22 FINISHES” to “2.23 FINISHES”…

   “2.22 ELECTRO-MECHANICAL AUTOMATIC OPERATORS
   A. Manufacturers and Products:
   1. Scheduled Manufacturer and Product: LCN Senior Swing.
   B. Manufacturers and Products:
   1. Provide low energy automatic operator units that are electro-mechanical design complying with ANSI/BHMA A156.19.

   a. Opening: Powered by DC motor working through reduction gears
   b. Closing: Spring force
d. Operation: Motor is off when door is in closing mode. Door can be manually operated with power on or off without damage to operator. Provide variable adjustments, including opening and closing speed adjustment.

e. Cover: Aluminum.

2. Provide units with manual off/auto/hold-open switch, push and go function to activate power operator, vestibule interface delay, electric lock delay, hold-open delay adjustable from 2 to 30 seconds, and logic terminal to interface with accessories, mats, and sensors.

3. Provide drop plates, brackets, or adapters for arms as required to suit details.

4. Provide hard-wired motion sensors and/or actuator switches for operation as specified. Provide weather-resistant actuators at exterior applications.

5. Provide key switches, with LED’s, recommended and approved by manufacturer of automatic operator as required for function as described in operation description of hardware sets. Cylinders: Refer to “KEYING” article, herein.

6. Provide complete assemblies of controls, switches, power supplies, relays, and parts/material recommended and approved by manufacturer of automatic operator for each individual leaf. Actuators control both doors simultaneously at pairs. Sequence operation of exterior and vestibule doors with automatic operators to allow ingress or egress through both sets of openings as directed by Architect. Locate actuators, key switches, and other controls as directed by Architect.

B. **ADD** the following to Hardware Group No. 01…

```
1 EA – SURF. AUTO OPERATOR – 9542 MS AS REQ (120/240 VAC) – ANCLR – LCN
2 EA – ACTUATOR, TOUCHLESS – 8310-813 – BLK – LCN
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C. **REVISE** Hardware Group No. 08 to the following…

```
“QTY – DESCRIPTION – CATALOG NUMBER – FINISH – MFR
2 EA – CONT. HINGE – 112XY EPT – 628 – IVE
1 EA – LFIC RIM CYLINDER – CT6D – 626 – C-R
1 EA – LFIC PERMANENT CORE – KEYED INTO EXISTING SYSTEM – 626 – C-R
2 EA – 90 DEG OFFSET PULL – 8190EZHD 10” O – 630-316 – IVE
2 EA – OH STOP – 100S – 630 – GLY
2 EA – SURFACE CLOSER – 4040XP EDA – 689 – LCN
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D. **REVISE** door V002.1 to Hardware Group No. 08 and **DELETE** Hardware Group No. 11.

4. **08 80 00 – Glazing**

A. **ADD** the following spec section…

```
2.9 DECORATIVE GLAZING FILMS
A. Decorative Glazing Film Overlay
  1. V1 - (Custom Graphic Pattern)
     a. Product: Basis of Design - Decorative Films
  2. V2 – (Frosted Film)
     a. Product: Basis of Design – Decorative Films; SOLYX - SXJ-0550
        White Dusted Matte
     b. Privacy: Most Private
     c. Roll Wide: 60”
  4. Thickness: 2-mil- (0.05-mm-) minimum thickness
  5. Adhesive: Clear Pressure-sensitive for adhering to glass.
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7. Warranty: 5 years from substantial completion.
8. Fire Performance: Surface burning characteristics when tested in accordance with ASTM E84, Class A:
   b. Smoke Developed: 450 maximum.
9. Installation should be in accordance with manufacturer's installation instructions.
10. Examine substrate(s) for compliance prior to installation. Do not proceed with installation until unsatisfactory conditions have been corrected.
11. Surface Preparation:
   a. Comply with all manufacturer's instructions for surface preparation.
   b. Thoroughly clean substrate of substances that could impair the overlay's bond, including mold, mildew, oil, grease.
   c. Re-clean surfaces with appropriate surface prep solvent and remove any haze or surface contamination.

5. 09 30 13 – Ceramic Tiling
   A. **REVISE** 3.6-A-1-b to “Grout: Water-cleanable epoxy grout”.

6. 09 51 13 – Acoustical Panel Ceiling
   A. **ADD** the following ceiling type...
      "E. Ceiling Type 5.
         1. Manufacturer: Focal Point
            a. Product: Custom Woodgrain PET Ceiling Baffle System
            b. Refer to Electrical Drawings for integral lighting locations and specifications.
               1. Modular Size: As indicated on Drawings
               2. Color: Custom wood-grain printed finish to match Architect’s Sample
               3. Attachment Method: As indicated on drawings.
               4. Order Number: 55262
               5. Manufacturer Contact:
                  a. Name: Mike Arends
                  b. Email: mike.arends@pg-enlighten.com
                  c. Phone: 847.956.1274

7. 10 21 13.14 – Stainless Steel Toilet Compartments
   A. **ADD** the attached section in its entirety.

8. 27 15 00 – Data Communications Network Cabling
   A. **ADD** new paragraph 2.3-A-2 to read...
      "2. UL-Listed, 100 ohm, 4-pair, foiled/unshielded twisted pair (F/UTP), Category 6A, plenum (CMP) rated cable in overall shielded jacket.
         a. Berk-Tek LANmark-10G
         b. Belden 10GX
         c. Hubbell NextSpeed Ascent
         d. Panduit TX6A
   B. **ADD** new paragraph 2.3-B-3 to read...
      "3. Modular, 8-position/8-conductor, T568B wired, RJ-45 style, Category 6A shielded jacks.
         Color as specified on drawings or to match building standard.
         a. Hubbell HXJ6A
         b. Panduit
         c. Leviton
ADDENDA TO THE DRAWINGS

ARCHITECTURE
1. AD1.10
   A. REVISE note W3 as indicated.
   B. REVISE notes W1A, W1B, W1, W2, W3 as indicated on the drawings.

2. A1.11
   A. ADD keynotes 13 and 14. Refer to plan for added locations.

3. A2.11
   A. REVISE / ADD locations of new work note 4 to clarify locations of new roller shades at existing windows.
   B. ADD ceiling type 5. Refer to plan for added location.

4. A2.51
   A. REVISE enlarged RCP #1 as indicated.

5. A5.01
   A. REVISE section 3 and 4 as indicated.

6. A7.10
   A. REVISE details 7, 11, 12, 14, and 16 as indicated.

7. A7.11
   A. REVISE details 3, 4, 5, 7, 11, 12, and 13.

8. A9.01
   A. REVISE interior elevation 2 as indicated.

9. A9.02
   A. REVISE interior elevation 9 as indicated.

10. A10.00
    A. REVISE window elevation H as indicated.
    B. REVISE door types V001, V002.1, and V002.2 as indicated.
    C. REVISE elevation J glass type to GL-05 as indicated.

ELECTRICAL
1. E1.10
   A. ADD fire alarm devices in Corridor C001, Corridor C004, Corridor C005, Classroom 102, Sprinkler 200, Vestibule V002, IT/Electrical 146.
   B. DELETE junction box outside Classroom 102.
   C. REVISE drawing note #11.
   D. DELETE door operators and associated power requirements at door V001.

2. E2.10
   A. ADD remote emergency heads outside Vestibule V001.
   B. REVISE emergency lighting type in Vestibule V001.

3. E5.00
   A. REVISE description for clocks to read:
      "BATTERY OPERATED CLOCK, CONNECTED WIRELESSLY TO A MASTER CLOCK SYSTEM."

4. E6.00
   A. ADD alternate manufacturers for luminaire types “F11”, “F12”, “F13”, “F15”.
   B. ADD note 5 to luminaire types “F16A”, “F16B”, “16C”, “F16D”, “F16E”, “F16F”.
C. **ADD** note #5 to ‘LUMINAIRE SCHEDULE’.

5. E7.10
   A. **REVISE** ‘TYPICAL NETWORK RACK DETAIL’ to indicate 2” innerduct for routing of fiber optic backbone cable.

6. E7.30
   A. **REVISE** ‘A/V RECEIVER OUTLET DETAIL’.
   B. **REVISE** ‘A/V TRANSMITTER OUTLET DETAIL’.
   C. **ADD** ‘A/V OUTLET DETAIL’.

**CLARIFICATIONS**

1. Refer to attached for pre-bid RFI and their associated responses. Note that pre-bid RFI submitted and responded to in Addendum #3 were included for reference.

2. Refer to revisions made to 01 10 00 SUMMARY for clarification on waiving the liquidated damages clause for switchgear and generator equipment procurement / installation only and the required contractor responsibility for installation of the systems after the substantial completion date.

**This addendum consists of 5 pages, excluding attachments.**

**END 00 90 04.**

**Attachments:**

1. 2023.10.12 – Addendum #4 – Pre-bid RFI
2. 10 21 13.14 – Stainless Steel Toilet Compartments
3. AD1.10, A1.11, A2.11, A2.51, A5.01, A7.10, A7.11, A9.01, A9.02, A10.00
4. E1.10, E2.10, E5.00, E6.00, E7.10, E7.30
<table>
<thead>
<tr>
<th>RFI #</th>
<th>Question</th>
<th>Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>Who is to install Access Control Cables and Security wires?</td>
<td>Contractor is responsible for installing access control cables and security wires. Refer to Addendum #3 for clarifications on the scope requirements.</td>
</tr>
<tr>
<td>002</td>
<td>See attached Voluntary Alternate Request – Can we use 1200 a C/T/ Meter with a 1200 a Distribution Panelboard Inside in lieu of switchboard? (Refer to attached email document)</td>
<td>The proposed alternate is acceptable. Refer to attachments for submitted alternate for reference.</td>
</tr>
<tr>
<td>003</td>
<td>Who is responsible for removal of existing furniture (pictures, white boards, signage etc.)?</td>
<td>The contractor will be responsible for removing all loose / misc items remaining on-site once demolition starts unless otherwise noted. The owner will remove all items or tag them as existing to remain if they intend to keep them prior to the start of demolition.</td>
</tr>
<tr>
<td>004</td>
<td>Do current window blinds stay or to be removed?</td>
<td>Existing blinds are to be removed and openings prepped for installation of new blinds.</td>
</tr>
<tr>
<td>005</td>
<td>Who is responsible for the new Security system?</td>
<td>New security system will be by owner's vendor. Refer to clarifications to the Elec/Tech drawings E7.30 for additional clarification on contractor scope vs others and other equipment requirements / details.</td>
</tr>
<tr>
<td>006</td>
<td>Please provide a sealed concrete spec.</td>
<td>Product requirements are noted in 09 91 23 Interior Painting, Section 3.6-A-1 Water-Based Concrete Floor Sealer System, MPI INT 3.2G.</td>
</tr>
<tr>
<td>007</td>
<td>Do any of the existing RTU units need to be serviced?</td>
<td>Units to be provided with new filters, see specifications on HV4.0.</td>
</tr>
<tr>
<td>008</td>
<td>The spec book is missing a HVAC section, please provide.</td>
<td>See specifications on HV4.0. Book format specifications have not been issued for this project.</td>
</tr>
<tr>
<td>Number</td>
<td>Question</td>
<td>Response</td>
</tr>
<tr>
<td>--------</td>
<td>--------------------------------------------------------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>009</td>
<td>Ceramic tile - Restrooms are calling for WT-1 on A11.01. However, when you go to A8.01 (Interior Elevations) The tag is T2 which is not listed on A11.01. Please clarify on what to use.</td>
<td>WT-1 is the correct tag for the wall tile in the toilet rooms.</td>
</tr>
<tr>
<td>010</td>
<td>Provide a spec indicating the products for the acoustical panel ceiling.</td>
<td>Refer to spec 09 51 13 issued in Addendum #2 and clarified in Addendum #3.</td>
</tr>
<tr>
<td>011</td>
<td>I believe the ceiling below in conference 150B is tagged wrong. Can you verify if its supposed to be 2 x 2 ceiling or something else?</td>
<td>Conference Room 150A / 150B should be type 2C, 2x4 tiles with scored surface pattern. Refer to Addendum #3 for more information.</td>
</tr>
<tr>
<td>012</td>
<td>Can you please provide door hardware specs?</td>
<td>Specs will be issued as part of Addendum #3.</td>
</tr>
<tr>
<td>013</td>
<td>When filling in the face brick on the back of the building, the detail calls for paint to match. Are we to paint the entire back exterior wall to match the infill or just paint the infill?</td>
<td>Paint areas of infill only to match the existing painted brick finish.</td>
</tr>
<tr>
<td>014</td>
<td>We can’t request sheet metal quotes from vendors without mechanical specifications. After reviewing the provided documents, we didn’t see any specs for this. Could you please request mechanical specifications for this project?</td>
<td>Refer to HV4.00, General Notes - HVAC Work notes 6-12 for duct requirements. If there are specific questions from those specified items, please submit an additional RFI for clarification.</td>
</tr>
<tr>
<td>015</td>
<td>I have looked through the bid documents but cannot find the Standard Warranty for the University Center at MCC. Can you please provide?</td>
<td>General project warranty is covered under 12.2.2.1 in the A201 General Conditions provided in the specification section 00 72 13.</td>
</tr>
<tr>
<td>016</td>
<td>Who is responsible for relocating the phone/fiber service? Also, where is the existing to go? The middle closet (current) or the new IT closet?</td>
<td>Contractor will be responsible for relocating the existing phone/fiber services to the new IT closet in IT/Electrical 146. This will be addressed in an upcoming addendum.</td>
</tr>
<tr>
<td>017</td>
<td>I don't see a schedule for the existing RTU units. Do all 8 units require duct smoke detection devices? RTU's 1-8 shown on pg E1.20</td>
<td>All existing RTU units will require duct smoke detectors. This will be addressed in an upcoming addendum.</td>
</tr>
<tr>
<td>018</td>
<td>Frame Elevation#A on A10.00 is tagged with infill GL-01. Elevation for frame on A9.01 and schedule tag infill as GL-02. Please clarify.</td>
<td>GL-02 is the correct type for this window.</td>
</tr>
<tr>
<td>019</td>
<td>Who is providing the med gas headboard, tanks and pumps in the SIM rooms?</td>
<td>The head board detail states which manufacturer’s are acceptable. That would suggest the MC is responsible for it, but if this is a GC bid, then they can figure it out together. The tanks and pumps I would expect the MC to provide.</td>
</tr>
<tr>
<td>020</td>
<td>Please provide further specifications for speakers and projectors referenced on pages E5.00 &amp; E7.30? It is calling for the speakers and projector screens to be provided the contractor.</td>
<td>Refer to Addendum #3 for detailed specifications for speakers and projector screens referenced in section 27 41 16 - Audiovisual System.</td>
</tr>
<tr>
<td>021</td>
<td>Fire Alarm seem to be missing on corridors C102, C001, &amp; C004 (amongst other locations - Exit Doors, Devices). Please advise.</td>
<td>Refer to Addendum #4 for clarification.</td>
</tr>
<tr>
<td>022</td>
<td>Demo drawing AD1.10 can you tell what is W1A, W1B?</td>
<td>W1A and W1B should be notes W1, W2, and W3. Refer to Addendum #4 for clarifications to the drawings.</td>
</tr>
<tr>
<td>No.</td>
<td>Question</td>
<td>Answer</td>
</tr>
<tr>
<td>-----</td>
<td>--------------------------------------------------------------------------</td>
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</tr>
<tr>
<td>023</td>
<td>It look to be a ballasted EPDM existing roofing system. Do you know what the make-up of the roof is from the deck up? Looking for an existing thickness.</td>
<td>The existing roof system is noted as EPDM, fully adhered on +/- 5&quot; of roofing insulation. The roofing is under an existing warranty so all new work associated with piping / duct penetrations will be required to maintain the existing warranty. Refer to A3.10 and MEP drawings for general scope of patching / tie-in / replacement needed to the existing roof system.</td>
</tr>
<tr>
<td>024</td>
<td>Is the roof currently under contract?</td>
<td>Yes - It will be the contractor's responsibility to maintain the warranty for any new roofing working noted on the drawings.</td>
</tr>
<tr>
<td>025</td>
<td>The all Glass door Specification (084126 2.4 A.1.a) calls out the glass thickness as 3/8&quot;, the door schedule calls out ½&quot;. Please advise.</td>
<td>Provide 1/2&quot; glass. Refer to addendum #4 for spec clarification.</td>
</tr>
<tr>
<td>026</td>
<td>Is there a spec. for the pressure applied vinyl film?</td>
<td>Refer to addendum #4 for specification update to clarify window film types.</td>
</tr>
<tr>
<td>027</td>
<td>Frame J on sheet A/10.0 Calls out GL-2 (1/2&quot; clear tempered) the elevation 17/A9.51 calls out one way glass. Which are we to figure?</td>
<td>Provide GI-05 at window elevation J. Refer to Addendum #4.</td>
</tr>
<tr>
<td>028</td>
<td>Door # V002.1 &amp;107 are called out as AG and GL-1 (1/4&quot; clear tempered) should this be GL-2?</td>
<td>Yes - This should be GL-02 and was updated in Addendum #3.</td>
</tr>
<tr>
<td>029</td>
<td>The door schedule calls out all the door lites in the wood doors and sidelites as GL-2 (1/2&quot; clear tempered) should these be GL-1?</td>
<td>Door vision lites in NFG type doors should be GL-1. All other vision lites and sidelites should be GL-2.</td>
</tr>
<tr>
<td>030</td>
<td>Should we figure door V001 as Aluminum FG or All Glass as called out on the door schedule?</td>
<td>Aluminum FG. Refer to Addendum #4 for clarification.</td>
</tr>
<tr>
<td>032</td>
<td>Are we to figure the aluminum frames for the wood doors as storefront or are they RACO / Wilson Frames?</td>
<td>Aluminum frames for wood doors will be storefront system single frames to match storefront entrance and window systems.</td>
</tr>
<tr>
<td>033</td>
<td>Is the frosted vinyl film called out in note #8 on sheet A1.11 the same as the interior elevations or should it be full covered black out film?</td>
<td>Refer to spec update in Addendum #4 for clarifications on window film types.</td>
</tr>
<tr>
<td>034</td>
<td>We are trying to get a quote for the air compressor and vacuum pump for the med gas on this project and Power Ex the basis of design said without a written spec section (there is no Division 23 specs at all which is going to lead to more RFIs) for this equipment they will not quote it. They have the equipment schedule but said that’s not enough. Can we get a Division 23 spec section to use for bidding?</td>
<td>Enough product details are provided on the drawings specs for Power Ex to provide a spec. If they are unwilling based on the information provided there are equal manufacturers available for alternate quotes.</td>
</tr>
<tr>
<td>035</td>
<td>For the fiber optic installation on E7.1 it is called out to be installed in a 2in conduit. In the project manual it calls for a 2in innerduct. Should the fiber be installed in innerduct or conduit?</td>
<td>2&quot; innerduct is acceptable.</td>
</tr>
<tr>
<td>036</td>
<td>On E7.3 the responsibility matrix shows all the av systems to be owner provided. Does this include symbols AVa AVb AVc AVd on the drawings?</td>
<td>AVa, AVc, AVd devices will be provided by the Contractor as shown in the details. AVb have been deleted per Addendum #3.</td>
</tr>
<tr>
<td>No.</td>
<td>Question or Request</td>
<td>Additional Information</td>
</tr>
<tr>
<td>-----</td>
<td>------------------------------------------------------------------------------------</td>
<td>----------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>037</td>
<td>On E7.3 the responsibility matric shows us providing and installing the projector screen Dalite Model B. Can size be provided, there are multiple options.</td>
<td>Refer to Addendum #3 for detailed specifications for projector screen size referenced in section 27 41 16 - Audiovisual System.</td>
</tr>
<tr>
<td>038</td>
<td>Are all communication faceplates to be stainless steel?</td>
<td>Stainless steel wall plates are specified for both wiring devices and communication devices.</td>
</tr>
<tr>
<td>039</td>
<td>On page 6 of the electrical specs, it states the types of panels that can be used. Then on page 8 (section 2.3) it reads the Main Panel shall be a NOFITIER NFS-320 panel - Which is correct?</td>
<td>Notifier NFS-320 is the basis-of-design which the specification is written around. Equals from approved manufacturers listed under paragraph 2.1.A are acceptable.</td>
</tr>
<tr>
<td>040</td>
<td>Can you provide a mechanical schedule showing the CFM's for each RTU's?</td>
<td>All airflow rates are shown on the floor plan at the equipment tag. All rooftop units are 3000 cfm.</td>
</tr>
<tr>
<td>041</td>
<td>Where is the detail for the new connection at the new water service per note on P1.10?</td>
<td>Detail is shown on sheet P7.00, “Water Service Diagram”.</td>
</tr>
<tr>
<td>042</td>
<td>Switchboard vendors are telling us they won’t bid it because of the Liquidated Damages clause that the project comes with. They can’t control breakers since they don’t make them. Please advise how we are to proceed.</td>
<td>Refer to Addendum #4 for clarifications on the requirements for the Switchboards and Generator.</td>
</tr>
<tr>
<td>043</td>
<td>Are you only looking for 20% to be MBE or can this include WBD, DBE, VBE too?</td>
<td>The college's aspirational goal is to achieve 20% in certified BEP Vendors. Refer to specification 00 43 39 for more information.</td>
</tr>
<tr>
<td>044</td>
<td>In the Spec section, epoxy (Page 4 of 8) and sand (Page 8 of 8) grout are listed for ceramic tile. Please advise what we are to use.</td>
<td>Provide epoxy grout.</td>
</tr>
<tr>
<td>045</td>
<td>Please confirm tile size for QT-1 &amp; WT-1?</td>
<td>QT-1 is 24x24 and WT-1 is 8x24</td>
</tr>
<tr>
<td>046</td>
<td>Please confirm correct color name or color number for CPT-1 and CPT-3.</td>
<td>The color for CPT-1/CPT-3 is 00599 Point.</td>
</tr>
<tr>
<td>047</td>
<td>In addendum #2 there are pre-bid meeting notes. Item #20 of those notes, letter f states... “f. Fire protection scope will include the removal of all sprinkler heads and a modification of the existing branch lines and mains to coordinate with the new work.” On the FP drawings it notes that existing sprinklers with “EX” are heads to remain. Please advise.</td>
<td>The pre-bid meeting minutes are a general scope summary of the project. Refer to the specific requirements noted on the drawings for actual project scope. Any heads noted as existing to remain will be existing to remain.</td>
</tr>
<tr>
<td>048</td>
<td>Please provide floor finish product information for the T-1 porcelain tile and LVT-1 luxury vinyl tile.</td>
<td>Refer to clarifications issued in Addendum #2.</td>
</tr>
<tr>
<td>049</td>
<td>Per addenda 3, please confirm windows in rooms 113, 114, and 148 are to receive new window shades.</td>
<td>Refer to Addendum #4 for clarification on all existing windows to receive roller window shades.</td>
</tr>
<tr>
<td>050</td>
<td>Please supply washroom partitions material specification.</td>
<td>Refer to Addendum #4 for the specification for toilet compartments.</td>
</tr>
<tr>
<td>051</td>
<td>Who is the DDC controls contractor that is being used by the College?</td>
<td>For the Base Bid, there is no control contractor. Anyone who can run wiring and install a stand alone thermostat is acceptable. For the alternate bid, Trane is the DDC contractor. It’s in the spec notes on the detail sheet.</td>
</tr>
<tr>
<td>052</td>
<td>Provide product information for WD-1</td>
<td>Refer to Addendum #3 for clarifications on WD-1/2/3/4 product information.</td>
</tr>
<tr>
<td><strong>053</strong></td>
<td>What size conduit stub should be included for the &quot;AV&quot; drops?</td>
<td>Refer to ‘JUNCTION BOX ROUGH-IN DETAIL’ on sheet E7.00.</td>
</tr>
<tr>
<td><strong>054</strong></td>
<td>Can the floor boxes be substituted for Hubbell PFB1 PVC floor boxes?</td>
<td>Hubbell is listed as an approved manufacturer per specification section 26 05 34. However, floor box material shall be metallic to match basis-of-design. They shall also be rectangular shape and suitable for on-grade applications similar to the Hubbell SystemOne series.</td>
</tr>
<tr>
<td><strong>055</strong></td>
<td>Should we include a 3/4&quot; stub for the room scheduler?</td>
<td>Yes, a 3/4&quot; conduit stub shall be included.</td>
</tr>
<tr>
<td><strong>056</strong></td>
<td>Please supply the type of existing Clock system?</td>
<td>The clock system is new and part of project scope. Refer to specification 275313 for details.</td>
</tr>
<tr>
<td><strong>057</strong></td>
<td>Please confirm which gyp board ceilings are to remain.</td>
<td>Refer to AD2.10 and A2.11 for areas shown as new work versus existing to remain areas.</td>
</tr>
<tr>
<td><strong>058</strong></td>
<td>Please confirm which ACT ceilings are to remain.</td>
<td>Refer to AD2.10 and A2.11 for areas shown as new work versus existing to remain areas.</td>
</tr>
<tr>
<td><strong>059</strong></td>
<td>Please confirm if there is storage onsite for items to be salvaged.</td>
<td>Refer to Addendum #3 for clarification on what items need to be salvaged. The entire building site is open for the project so the contractors are free to store materials and salvage items as they see fit.</td>
</tr>
<tr>
<td><strong>060</strong></td>
<td>Is the seating in the classroom (102) stadium style/tiered?</td>
<td>There are existing depressed floor sections as indicated on the floor plan that require new finishes. Refer to finish plans for transition details. All furniture is by the owner outside of the project scope.</td>
</tr>
<tr>
<td><strong>061</strong></td>
<td>Are the conference rooms/classroom furniture mobile training desks or are they stationary/fixed?</td>
<td>All furniture is by the owner outside of the project scope.</td>
</tr>
<tr>
<td><strong>062</strong></td>
<td>Det.4/S-303 calls for grout solid all CMU, not just the cells with rebars. Is that correct?</td>
<td>Masonry scope is limited to infill of existing conditions as needed. Grouting walls solid will only be needed if required for structural stability.</td>
</tr>
<tr>
<td><strong>063</strong></td>
<td>The plans say to provide clocks to interface with the existing clock system. The specs call out a Sapling wireless master clock and I did not see anything that said &quot;existing&quot;. Do you know (or can you find out) if they have an existing Sapling wireless master clock in place already?</td>
<td>No, there's not an existing master clock system. Every component of the clock system will be new. The symbol list description will be updated.</td>
</tr>
<tr>
<td><strong>064</strong></td>
<td>Who is to install Access Control Cables and Security wires?</td>
<td>Cables and wires are provided by the Electrical Contractor.</td>
</tr>
</tbody>
</table>
SECTION 10 21 13.14 - STAINLESS-STEEL TOILET COMPARTMENTS

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.

1.2 SUMMARY

A. Section includes stainless-steel toilet compartments configured as toilet enclosures and urinal screens.

B. Related Requirements:
   1. Section 06 10 53 "Miscellaneous Rough Carpentry" for blocking.
   2. Section 10 28 00 "Toilet, Bath, and Laundry Accessories" for toilet tissue dispensers, grab bars, purse shelves, and similar accessories mounted on toilet compartments.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product.
   1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for toilet compartments.

B. Shop Drawings: For toilet compartments.
   1. Include plans, elevations, sections, details, and attachment details.
   2. Show locations of cutouts for compartment-mounted toilet accessories.
   3. Show locations of reinforcements for compartment-mounted grab bars and locations of blocking for surface-mounted toilet accessories.
   4. Show locations of centerlines of toilet fixtures.
   5. Show locations of floor drains.

C. Samples for Verification: For the following products, in manufacturer's standard sizes unless otherwise indicated:
   1. Each type of material, color, and finish required for toilet compartments, prepared on 6-inch- square Samples of same thickness and material indicated for Work.
   2. Each type of hardware and accessory.

D. Product Schedule: For toilet compartments, prepared by or under the supervision of supplier, detailing location and selected colors for toilet compartment material.
1.4 CLOSEOUT SUBMITTALS
A. Maintenance Data: For toilet compartments to include in maintenance manuals.

1.5 PROJECT CONDITIONS
A. Field Measurements: Verify actual locations of toilet fixtures, walls, columns, ceilings, and other construction contiguous with toilet compartments by field measurements before fabrication.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS
A. Regulatory Requirements: Comply with applicable provisions in the U.S. Architectural & Transportation Barriers Compliance Board's ADA-ABA Accessibility Guidelines for Buildings and Facilities and ICC A117.1 for toilet compartments designated as accessible.

2.2 STAINLESS-STEEL TOILET COMPARTMENTS
A. Basis-of-Design Product: Subject to compliance with requirements, provide Accurate Partitions Corp., or comparable product by, but not limited to, one of the following:
   2. Bradley Corporation.
B. Toilet-Enclosure Style: Overhead braced Floor anchored.
C. Urinal-Screen Style: Wall hung with integral flanges.
D. Door, Panel, and Pilaster Construction: Seamless diamond pattern, metal facing sheets pressure laminated to core material; with continuous, interlocking molding strip or lapped-and-formed edge closures; corners secured by welding or clips and exposed welds ground smooth. Exposed surfaces shall be free of pitting, seam marks, roller marks, stains, discolorations, telegraphing of core material, or other imperfections.
   1. Core Material: Manufacturer's standard sound-deadening honeycomb of resin-impregnated kraft paper in thickness required to provide finished thickness of 1 inch for doors and panels and 1-1/4 inches for pilasters.
   2. Grab-Bar Reinforcement: Provide concealed internal reinforcement for grab bars mounted on units of size and material adequate for panel to withstand applied downward load on grab bar of at least 250 lbf, when tested according to ASTM F 446, without deformation of panel.
   3. Tapping Reinforcement: Provide concealed reinforcement for tapping (threading) at locations where machine screws are used for attaching items to units.
E. Urinal-Screen Construction:
1. Diamond Pattern-Panel Urinal Screen: Matching panel construction.
2. Integral-Flange, Wall-Hung Urinal Screen: Similar to panel construction, with integral full-height flanges for wall attachment, and maximum 1-1/4 inches thick.

F. Facing Sheets and Closures: Stainless-steel sheet diamond pattern of nominal thicknesses as follows:

1. Pilasters, Braced at Both Ends: Manufacturer's standard thickness, but not less than 0.038 inch.
2. Pilasters, Unbraced at One End: Manufacturer's standard thickness, but not less than 0.050 inch.
3. Panels: Manufacturer's standard thickness, but not less than 0.031 inch.
4. Doors: Manufacturer's standard thickness, but not less than 0.031 inch.

G. Pilaster Shoes Sleeves (Caps): Stainless-steel sheet, not less than 0.031-inch nominal thickness and 3 inches high, finished to match hardware.

H. Brackets (Fittings):

1. Stirrup Type: "Heavy Duty" Ear, F-brackets, or U-brackets; stainless steel.

I. Stainless-Steel Finish: Manufacturer's standard diamond textured finish on exposed faces. Protect exposed surfaces from damage by application of strippable, temporary protective covering before shipment.

2.3 HARDWARE AND ACCESSORIES

A. Hardware and Accessories: Manufacturer's heavy-duty operating hardware and accessories.

1. Hinges: Manufacturer's minimum 0.062-inch-thick stainless steel paired, self-closing type that can be adjusted to hold doors open at any angle up to 90 degrees, allowing emergency access by lifting door. Mount with through-bolts.

   a. Owner to determine hold-open angle.

2. Latch and Keeper: Manufacturer's heavy-duty surface-mounted cast-stainless-steel latch unit designed to resist damage due to slamming, with combination rubber-faced door strike and keeper, and with provision for emergency access. Provide units that comply with regulatory requirements for accessibility at compartments designated as accessible. Mount with through-bolts.


5. Door Pull: Manufacturer's heavy-duty cast-stainless-steel pull at out-swinging doors that complies with regulatory requirements for accessibility. Provide units on both sides of doors at compartments designated as accessible. Mount with through-bolts.

B. Overhead Bracing: Manufacturer's standard continuous, extruded-aluminum head rail with antigrip profile and in manufacturer's standard finish.
C. Anchorages and Fasteners: Manufacturer’s standard exposed fasteners of stainless steel, finished to match the items they are securing, with theft-resistant-type heads. Provide sex-type bolts for through-bolt applications. For concealed anchors, use stainless-steel, hot-dip galvanized-steel, or other rust-resistant, protective-coated steel anchors compatible with related materials.

2.4 MATERIALS
A. Stainless-Steel Sheet: ASTM A 666, Type 304, stretcher-leveled standard of flatness.
B. Stainless-Steel Castings: ASTM A 743/A 743M.

2.5 FABRICATION
A. Fabrication, General: Fabricate toilet compartment components to sizes indicated. Coordinate requirements and provide cutouts for through-partition toilet accessories and solid blocking within panel where required for attachment of toilet accessories.
B. Overhead-Braced Units: Provide manufacturer's standard corrosion-resistant supports, leveling mechanism, and anchors at pilasters to suit floor conditions. Provide shoes at pilasters to conceal supports and leveling mechanism.
C. Floor-Anchored Units: Provide manufacturer's standard corrosion-resistant anchoring assemblies with leveling adjustment nuts at pilasters for structural connection to floor. Provide shoes at pilasters to conceal anchorage.
D. Door Size and Swings: Unless otherwise indicated, provide 24-inch- wide in-swinging doors for standard toilet compartments and 36-inch- wide out-swinging doors with a minimum 32-inch- wide clear opening for compartments designated as accessible.

PART 3 - EXECUTION

3.1 EXAMINATION
A. Examine areas and conditions, with Installer present, for compliance with requirements for fastening, support, alignment, operating clearances, and other conditions affecting performance of the Work.
   1. Confirm location and adequacy of blocking and supports required for installation.
B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION
A. General: Comply with manufacturer’s written installation instructions. Install units rigid, straight, level, and plumb. Secure units in position with manufacturer’s recommended anchoring devices.
   1. Maximum Clearances:
a. Pilasters and Panels: 1/2 inch.
b. Panels and Walls: 1 inch.

2. Stirrup Brackets: Secure panels to walls and to pilasters with no fewer than three brackets attached at midpoint and near top and bottom of panel.
   a. Locate wall brackets so holes for wall anchors occur in masonry or tile joints.
   b. Align brackets at pilasters with brackets at walls.

B. Overhead-Braced Units: Secure pilasters to floor and level, plumb, and tighten. Set pilasters with anchors penetrating not less than 1-3/4 inches into structural floor unless otherwise indicated in manufacturer's written instructions. Secure continuous head rail to each pilaster with no fewer than two fasteners. Hang doors to align tops of doors with tops of panels and adjust so tops of doors are parallel with overhead brace when doors are in closed position.

C. Floor-Anchored Units: Set pilasters with anchors penetrating not less than 2 inches into structural floor unless otherwise indicated in manufacturer's written instructions. Level, plumb, and tighten pilasters. Hang doors and adjust so tops of doors are level with tops of pilasters when doors are in closed position.

3.3 ADJUSTING

A. Hardware Adjustment: Adjust and lubricate hardware according to hardware manufacturer's written instructions for proper operation. Set hinges on in-swinging doors to hold doors open approximately 30 degrees from closed position when unlatched. Set hinges on out-swinging doors to return doors to fully closed position.

END OF SECTION 10 21 13.14
ACOUSTIC BATT INSULATION

1 1/2" = 1'-0"

PLANT DETAIL

A

1' - 9"

1 2 3 4 5 6

1 2 3 4 5 6

5/8" GYP BD ON 3-5/8" MTL STUD FRAMING, TYP.

CERAMIC TILE ON CEMENTITIOUS TILE BACKER BD OVER VAPOR BARRIER

BRACES AT MED SPAN AND EACH END

W16X36 PARTITION SUPPORT BEAM

HSS 3X3X1/4" COLUMN EACH END

3 5/8" MTL. STUDS

ACOUSTICAL SEALANT AND ATTACH TO FACE OF WD BEAD - SET IN CONT. DRYWALL END CAP WITH INTEGRAL MUD

WD BLOCKING AS RQ.

ACOUSTIC BATT INSULATION

MULLION

BETWEEN END OF WALL AND FACE OF VERTICAL CONT. BACKER ROD AND ACOUSTICAL SEALANT

EX. WINDOW TO REMAIN TYP.

5/8" GYP BD ON 3-5/8" MTL STUD FRAMING,

3' - 7 3/4"

+/- 5'-4"

ALIGN

NEW BRICK INFILL TO MATCH EXISTING ADJACENT BRICK WALL

APPLIED AIR / VAPOR BARRIER ON FACE OF EXTERIOR SHEATHING

2" CONT. XPS INSULATION ON 5/8" EXTERIOR SHEATHING WITH FLUID

5' - 11 7/8"

REMAIN

EX. GYP BOARD ON METAL STUD WALL TO

5' - 1 1/2"

WITH BATT INSULATION

5/8" GYP BD ON 6" MTL STUD FRAMING ON CMU WALL TO REMAIN EXISTING BRICK VENEER

5/8" GYP BD ON 1-5/8" MTL STUD FRAMING

3

ALIGN

1' - 11 3/8"

STUD FRAMING, TYP.

5/8" GYP BD ON 3-5/8" MTL STUD FRAMING, TYP.

5/8" GYP BD ON 1-5/8" MTL STUD FRAMING - 5/8" GYP BD ON (2) LAYERS OF ACOUSTIC BATT INSULATION

3-5/8" MTL STUD FRAMING - 5/8" GYP BD ON 3-5/8" MTL STUD FRAMING, TYP.

3 5/8" MTL. STUDS

ACOUSTIC BATT INSULATION

FRAMING, TYP.

1-5/8" MTL STUD FRAMING,

5/8" GYP BD ON 3-5/8" MTL STUD FRAMING, TYP.

5/8" GYP BD ON 1-5/8" MTL STUD FRAMING

EX. COLUMN

4' - 9 1/4"

EXISTING ADJACENT BRICK WALL

SHEATHING WITH FLUID APPLIED AIR / VAPOR BARRIER ON FACE OF EXTERIOR SHEATHING

2" CONT. XPS INSULATION ON 5/8" EXTERIOR SHEATHING WITH FLUID

APPLIED AIR / VAPOR BARRIER ON FACE OF EXTERIOR SHEATHING

5/8" GYP BD ON 3-5/8" MTL STUD FRAMING, TYP.

5/8" GYP BD ON 3-5/8" MTL STUD FRAMING, TYP.

5/8" GYP BD ON 3-5/8" MTL STUD FRAMING, TYP.

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5/8" GYP BD ON 3-5/8" MTL STUD FRAMING, TYP.

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5/8" GYP BD ON 3-5/8" MTL STUD FRAMING, TYP.

5/8" GYP BD ON 3-5/8" MTL STUD FRAMING, TYP.
EXISTING EXTERIOR WINDOW
EXISTING METAL PANEL SYSTEM TO REMAIN TYP.

WALL BASE (REFER TO FINISH PLANS)
RECESSED LIGHT SEE ELEC. FOR DETAILS

EXISTING EXTERIOR WINDOW/DOOR

FIRE ALARM DEVICE SEE ELEC. DRAWING
FIRE ALARM PANEL SEE ELEC. DRAWING
EXIT SIGN SEE ELEC.
CARD READER SEE ELEC. DRAWING TYP.
POWER OUTLET SEE ELEC. DRAWINGS
SECURITY CAMERA SEE ELEC.

WALL MOUNTED PET FELT PANELS - ALIGN WITH CEILING MOUNTED PANELS

SURFACE MOUNTED PET BAFFLES SEE SPECS FOR DETAILS.

CARD READER - SEE ELEC. DRAWING TYP.
EXISTING FIBER-OPTIC LIGHTING AND ASSOCIATED POWER SUPPLY IN CEILING SPACE SHALL PROVIDE RELAY PANEL WITH (8) RELAYS TO CONTROL EXISTING EXTERIOR LIGHTING CIRCUITS. RELAY PANEL SHALL BE ACUITY NLIGHT #ARP-INTENC16-NLT-8FCR-MVOLT-HLK-SM-DTC OR APPROVED EQUAL WITH #ARP-APS-OL PHOTOSENSOR LOCATION WITH ARCHITECT. FIELD VERIFY EXACT REQUIREMENTS.
PLENUM-RATED F/UTP SHIELDED CAT6A CABLE TO CEILING MOUNTED ENCLOSURE AND TERMINATE.

PROVIDE 1 1/4" CONDUIT WITH CABLE STUBBED INTO ACCESSIBLE CEILING SPACE.

- X -A/V AMPLIFIER
- -X - DIGITAL SIGNAL PROCESSOR
- A/V CONTROL SYSTEM
- CEILING SPEAKERS
- -X - DATA: CATEGORY 6A JACKS, GREEN IN COLOR
- -X - CEILING MICROPHONES
- -X - X
- -X - PROJECTOR (EPSON 530)
- -X - DIGITAL SIGNAL PROCESSOR A/V CONTROL SYSTEM
- -X - CEILING SPEAKERS
- PROJECTOR SCREEN (DALITE MODEL B)
- CONTRACTOR SHALL PROVIDE PROJECTOR MOUNTING POLE AS REQUIRED TO FACILITATE PROJECTOR MOUNTING HEIGHT OF 9'-0" A.F.F.
- WIRELESS ACCESS POINT
- X - NETWORK SWITCHES
- X - CAT6 PATCH PANELS
- X - CONTRAOR INSTALL

STUDY ROOMS / STUDENT LOUNGE / CONFERENCE ROOMS

IT EQUIPMENT

ACCESS CONTROL / SECURITY EQUIPMENT

NURSE SIMULATION LABS

STANDARD CLASSROOM A/V EQUIPMENT

CONFERENCE ROOMS 105A & 150B

CLASSROOMS A/V SCHEMATIC DIAGRAM

WIRE LEGEND

CONTRACTOR INSTALL

OWNER INSTALL

NOTES

OWNER FURNISH

ITEM