Addendum No: 2  
Project: UNC Charlotte IT Infrastructure Upgrades  
State Project No: 18-19671-02A  
Date: April 22, 2020  
By: Tim Marsh, Shiel Sexton Co.

This addendum is issued and to be included as part of the bid documents. This Addendum includes:

Supplemental Information To Bidders

1. For confirmation: Bids are due at 1:30pm on Thursday April 30th
   a. Mailed sealed proposals should be sent to Attn: Kathy Fisher, Facilities Operations and Parking Services building, 9643 Poplar Lane, Charlotte, NC 28223.
   b. Hand delivered bids shall be dropped in the white Drop Box located next to the Motor Fleet parking spaces in Lot 25 (second left entrance on Poplar Lane) in front of the Facilities Operations and Parking Services building (#92 on the campus map).

2. General Trades Package 01A: Include floor protection required for all existing space corridors. Include hard surface protection tape that can be found on www.uline.com, model number S-12213. Assume a 48” walking path for all walkways where work will be going on.

3. Updated Bid Schedule Attached.

4. Updated Bid Forms Attached
   a. 01A General Trades-Addendum 2
   b. 23A HVAC – Addendum 2
   c. 26A Electrical – Addendum 2
   d. 27A Telecommunications – Addendum 2

5. Contractor Questions and Clarifications Attached.

END OF SHIEL SEXTON ADDENDUM 2
### Project Milestones

<table>
<thead>
<tr>
<th>Line</th>
<th>Act. ID</th>
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<td>2</td>
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### Construction

#### Phase 1

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#### Phase 2

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#### Phase 3

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#### Phase 4

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### Bid Date

- 28 Apr 2020
- 18 May 2020
- 27 Jul 2020
- 14 Aug 2020
- 20 Jul 2020

### Start Construction

- 18 May 2020
- 27 Jul 2020
- 14 Aug 2020
- 20 Jul 2020

### Storrs Hall Complete

- 18 May 2020
- 14 Aug 2020
- 20 Jul 2020

### Rowe Hall Complete

- 20 Jul 2020

### Reese Hall Complete

- 20 Jul 2020

### Owners Personnel Move-Out

- 20 Jul 2020

### Owners Personnel Move-In

- 20 Jul 2020
## UNCC IT Upgrade
### Project Schedule

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<td>Punch &amp; Final Clean</td>
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<td>5/5/2020</td>
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</tbody>
</table>

**Room 255 (Print Lab & IT Closet)**
- Install New IDU & MEP Connections
- Frame New Metal Stud Wall
- MEP Above Ceiling Rough Ins
- MEP Above Ceiling Inspections
- Electrical Rough Ins
- Electrical Make Safe
- Punch & Finish Drywall
- Frame New Metal Stud Wall
- Install New IDU & MEP Connections
- Demolition & Removal
- Sawcut & Remove Portions of Existing CMU Walls
- Fire Protection Modifications
- MEP In Grid
- MEP Above Ceiling Rough Ins
- MEP Above Ceiling Inspections
- Install New ACT Ceiling Grid in Lab Area
- Electrical Make Safe
- Punch & Finish Drywall
- Owners Personnel Move-Out
- Owners Personnel Move-Out

**Room 230 (Print Lab & IT Closet)**
- Install New IDU & MEP Connections
- Frame New Metal Stud Wall
- MEP Above Ceiling Rough Ins
- MEP Above Ceiling Inspections
- Electrical Rough Ins
- Electrical Make Safe
- Punch & Finish Drywall
- Frame New Metal Stud Wall
- Change in MEP Inspections
- Electrical Rough Ins
- Electrical Make Safe
- Punch & Finish Drywall
- Owners Personnel Move-Out
- Owners Personnel Move-Out

**Room 274 (Classroom) & 276 (IT Closet)**
- Install New IDU & MEP Connections
- Install New ODU 1 & 2 on Roof & MEP Connections
- In Wall MEP Rough Ins
- In Wall MEP Inspections
- Pneumatic & Finish Drywall
- Owners Personnel Move-Out
- Owners Personnel Move-Out
- Change in MEP Inspections
- Electrical Rough Ins
- Electrical Make Safe
- Punch & Finish Drywall
- Owners Personnel Move-Out
- Owners Personnel Move-Out

**Room 274 (Classroom) & 276 (IT Closet)**
- Install New IDU & MEP Connections
- Install New ODU 2 on Roof & MEP Connections
- Change in MEP Inspections
- Electrical Rough Ins
- Electrical Make Safe
- Punch & Finish Drywall
- Owners Personnel Move-Out
- Owners Personnel Move-Out
- Change in MEP Inspections
- Electrical Rough Ins
- Electrical Make Safe
- Punch & Finish Drywall
- Owners Personnel Move-Out
- Owners Personnel Move-Out

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**Run Date:** 4/15/2020  
**Progress Date:** 2/3/2020
## UNCC IT Upgrade

### Project Schedule

**Run Date:** 4/15/2020  
**Progress Date:** 2/3/2020

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**Notes:**
- *Owners Personnel Move-Out*
- *Owners Personnel Move-In*
## UNCC IT Upgrade

### Project Schedule

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<tr>
<th>Line Act. ID</th>
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<th>May</th>
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<th>July</th>
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### Revisions

- 10/02/2019: Initial document release.
- 1/07/2020: First update to reflect progress.
- 2/03/2020: Second update to include new activities.
- 3/03/2020: Third update to adjust timeline.
- 5/19/2020: Final update before project completion.

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**Run Date:** 4/15/2020  
**Progress Date:** 2/3/2020

---
### UNCC IT Upgrade

#### Project Schedule

<table>
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<th>Line Act. ID</th>
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<th>Act</th>
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<td>23rd Apr 2020</td>
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<td>23rd Apr 2020</td>
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<td>22nd Apr 2020</td>
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<td>22nd Apr 2020</td>
<td>22nd Apr 2020</td>
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</table>

#### Phase II

**Room 335 (Storage & IT Closet)**
- Demolition & Removal
- Install New IDU & MEP Connections (Room 226)
- Install New Lights
- Fire Protection
- Seal Existing Concrete Floor
- Install New IT Equipment & Accessories
- Punch & Final Clean
- Owners Personnel Move-In

**Room 402 & 424 (Breakroom & IT Closet)**
- Demolition & Removal
- Install New IDU & MEP Connections
- Install New Lights
- Fire Protection
- Seal Existing Concrete Floor
- Install New IT Equipment & Accessories
- Punch & Final Clean
- Owners Personnel Move-Out

#### Milestone Appearances

- Diamond
To: The University of North Carolina at Charlotte
   Attn: Ms. Kathy Fisher – Facilities Operations
   From: __________________________

Bid Package 01A – General Trades
UNCC IT Infrastructure Upgrades

1. The undersigned Bidder proposes to furnish all labor and material, and to perform all work
   necessary for the Bid Package 01A – General Trades in accordance with the Project Documents,
   as prepared by Optima Engineering and Watson Tate Savory Architects for the lump sum price
   of:

   ____________________________________________________ Dollars ($_________________)
   (Enter Base Bid Amount in Words Here)               (Numerical Value Here)

2. The undersigned Bidder further acknowledges receipt of the following addenda as listed below
   and represents that any additions or modifications to, or deletions from the work called for in
   these addenda, have been taken into consideration and included in the Base Bid Sum.

   Addendum No.: ____________         Addendum No.: _____________
   Addendum No.: ____________         Addendum No.: _____________

   The undersigned Bidder understands that the Owner reserves the right to reject this bid, but
   that this bid shall remain open and may not be withdrawn for ninety (60) days from the date of
   opening.

3. Alternates
   a. 1A Rowe Hall- General Construction

   ____________________________________________________ Dollars ($_________________)
   (Enter Alternate Amount in Words Here)               (Numerical Value Here)

   b. 1B Rowe Hall - Electrical and Telecommunications

   ____________________________________________________ Dollars ($_________________)
   (Enter Alternate Amount in Words Here)               (Numerical Value Here)

   c. 1C Rowe Hall - Emergency Generator Connection

   ____________________________________________________ Dollars ($_________________)
   (Enter Alternate Amount in Words Here)               (Numerical Value Here)
d. 2A Reese Hall – General Construction, HVAC All Floors, Electrical, Telecommunications
Ground Floor, 1st Floor and 3rd Floor Only

_____________________________________________________Dollars ($_________________)  
(Enter Alternate Amount in Words Here)  (Numerical Value Here)

e. 2B Reese Hall – Electrical and Telecommunications for 2nd Floor, 4th Floor and 5th Floor

_____________________________________________________Dollars ($_________________)  
(Enter Alternate Amount in Words Here)  (Numerical Value Here)

f. 2C Reese Hall - General Construction and HVAC of Server Room Renovations and Adjacent
Rooms Only- All Floors

_____________________________________________________Dollars ($_________________)  
(Enter Alternate Amount in Words Here)  (Numerical Value Here)

g. 3A Storrs Hall – Coiling Door #230-2

_____________________________________________________Dollars ($_________________)  
(Enter Alternate Amount in Words Here)  (Numerical Value Here)

h. 3B Storrs Hall – New Window Openings Print Lab 230 and Computer Lab 222B

_____________________________________________________Dollars ($_________________)  
(Enter Alternate Amount in Words Here)  (Numerical Value Here)

i. OPA #1 Door Closers LCN 4011/4111 Series Closers

_____________________________________________________Dollars ($_________________)  
(Enter Alternate Amount in Words Here)  (Numerical Value Here)

j. OPA #2 Locksets Schlage Locksets

_____________________________________________________Dollars ($_________________)  
(Enter Alternate Amount in Words Here)  (Numerical Value Here)

k. OPA #3 Door Access Controls – Open to Options

_____________________________________________________Dollars ($_________________)  
(Enter Alternate Amount in Words Here)  (Numerical Value Here)

4. Schedule

The undersigned Bidder has received and reviewed Shiel Sexton’s schedule and hereby agrees
that all work will be substantially complete by the aforementioned schedule.

5. Unit Pricing:

No. 1 Spray Fire Resistive Material (SFRM)
• Cost for 25 square feet of material at 1” thickness
  • $___________

No. 2 Spray Fire Resistive Material Labor (SFRML)
  • Cost for 2 laborers and supervision for 8 hours
  • $___________

No. 3 Access Panel Material and Installation
  • Prepare, install 2’x2’ access panel as specified as well as drywall touch up and paint as necessary per panel.
  • $___________/EA
1. The undersigned Bidder proposes to furnish all labor and material, and to perform all work necessary for the **Bid Package 23A – HVAC** in accordance with the Project Documents, as prepared by Optima Engineering and Watson Tate Savory Architects for the lump sum price of:

   ___________________________________________________ Dollars ($_________________)  
   (Enter Base Bid Amount in Words Here)               (Numerical Value Here)

2. The undersigned Bidder further acknowledges receipt of the following addenda as listed below and represents that any additions or modifications to, or deletions from the work called for in these addenda, have been taken into consideration and included in the Base Bid Sum.

   Addendum No.: ____________         Addendum No.: _____________
   Addendum No.: ____________         Addendum No.: _____________

   The undersigned Bidder understands that the Owner reserves the right to reject this bid, but that this bid shall remain open and may not be withdrawn for ninety (60) days from the date of opening.

3. Alternates

   a. 1A Rowe Hall-General Construction

      ___________________________________________________ Dollars ($_________________)  
      (Enter Alternate Amount in Words Here)               (Numerical Value Here)

   b. 1B Rowe Hall - Electrical and Telecommunications

      ___________________________________________________ Dollars ($_________________)  
      (Enter Alternate Amount in Words Here)               (Numerical Value Here)

   c. 1C Rowe Hall - Emergency Generator Connection

      ___________________________________________________ Dollars ($_________________)  
      (Enter Alternate Amount in Words Here)               (Numerical Value Here)
d. 2A Reese Hall – General Construction, HVAC All Floors, Electrical, Telecommunications
   Ground Floor, 1st Floor and 3rd Floor Only
   ______________________________________________________ Dollars ($_________________)
   (Enter Alternate Amount in Words Here)                         (Numerical Value Here)

e. 2B Reese Hall – Electrical and Telecommunications for 2nd Floor, 4th Floor and 5th Floor
   ______________________________________________________ Dollars ($_________________)
   (Enter Alternate Amount in Words Here)                         (Numerical Value Here)

f. 2C Reese Hall - General Construction and HVAC of Server Room Renovations and Adjacent
   Rooms Only- All Floors
   ______________________________________________________ Dollars ($_________________)
   (Enter Alternate Amount in Words Here)                         (Numerical Value Here)

g. 3A Storrs Hall – Coiling Door #230-2
   ______________________________________________________ Dollars ($_________________)
   (Enter Alternate Amount in Words Here)                         (Numerical Value Here)

h. 3B Storrs Hall – New Window Openings Print Lab 230 and Computer Lab 222B
   ______________________________________________________ Dollars ($_________________)
   (Enter Alternate Amount in Words Here)                         (Numerical Value Here)

i. OPA #1 Door Closers LCN 4011/4111 Series Closers
   ______________________________________________________ Dollars ($_________________)
   (Enter Alternate Amount in Words Here)                         (Numerical Value Here)

j. OPA #2 Locksets Schlage Locksets
   ______________________________________________________ Dollars ($_________________)
   (Enter Alternate Amount in Words Here)                         (Numerical Value Here)

k. OPA #3 Door Access Controls – Open to Options
   ______________________________________________________ Dollars ($_________________)
   (Enter Alternate Amount in Words Here)                         (Numerical Value Here)

4. Schedule

   The undersigned Bidder has received and reviewed Shiel Sexton’s schedule and hereby agrees
   that all work will be substantially complete by the aforementioned schedule.

5. Unit Pricing:

No. 1 Spray Fire Resistive Material (SFRM)
No. 2 Spray Fire Resistive Material Labor (SFRML)

- Cost for 2 laborers and supervision for 8 hours
- $_________

No. 3 Access Panel Material and Installation

- Prepare, install 2’x2’ access panel as specified as well as drywall touch up and paint as necessary per panel.
- $_________/EA
SUBCONTRACTOR BID FORM-Addendum 2

Bid Package 26A – Electrical
UNCC IT Infrastructure Upgrades

To: The University of North Carolina at Charlotte  From: __________________________
Attn: Ms. Kathy Fisher – Facilities Operations  Contact: __________________________
9201 University City Boulevard  Phone: __________________________
Charlotte, NC 28223  Email: __________________________
704/687-0596

1. The undersigned Bidder proposes to furnish all labor and material, and to perform all work necessary for the Bid Package 26A – Electrical in accordance with the Project Documents, as prepared by Optima Engineering and Watson Tate Savory Architects for the lump sum price of:

________________________________________________________________________

Dollars ($_________________)  
(Enter Base Bid Amount in Words Here)  
(Numerical Value Here)

2. The undersigned Bidder further acknowledges receipt of the following addenda as listed below and represents that any additions or modifications to, or deletions from the work called for in these addenda, have been taken into consideration and included in the Base Bid Sum.

Addendum No.: ____________  Addendum No.: ____________
Addendum No.: ____________  Addendum No.: ____________

The undersigned Bidder understands that the Owner reserves the right to reject this bid, but that this bid shall remain open and may not be withdrawn for ninety (60) days from the date of opening.

3. Alternates

a. 1A Rowe Hall-General Construction

________________________________________________________________________

Dollars ($_________________)  
(Enter Alternate Amount in Words Here)  
(Numerical Value Here)

b. 1B Rowe Hall - Electrical and Telecommunications

________________________________________________________________________

Dollars ($_________________)  
(Enter Alternate Amount in Words Here)  
(Numerical Value Here)

c. 1C Rowe Hall - Emergency Generator Connection

________________________________________________________________________

Dollars ($_________________)  
(Enter Alternate Amount in Words Here)  
(Numerical Value Here)
4. Schedule

The undersigned Bidder has received and reviewed Shiel Sexton’s schedule and hereby agrees that all work will be substantially complete by the aforementioned schedule.

5. Unit Pricing:

No. 1 Spray Fire Resistive Material (SFRM)
• Cost for 25 square feet of material at 1” thickness
  • $_________

No. 2 Spray Fire Resistive Material Labor (SFRML)
• Cost for 2 laborers and supervision for 8 hours
  • $_________

No. 3 Access Panel Material and Installation
• Prepare, install 2’x2’ access panel as specified as well as drywall touch up and paint as necessary per panel.
  • $__________/EA
To: The University of North Carolina at Charlotte
Attn: Ms. Kathy Fisher – Facilities Operations
9201 University City Boulevard
Charlotte, NC 28223
Phone: 704/687-0596
Email: __________________________

From: __________________________
Contact: __________________________

1. The undersigned Bidder proposes to furnish all labor and material, and to perform all work necessary for the **Bid Package 27A – Telecommunications** in accordance with the Project Documents, as prepared by Optima Engineering and Watson Tate Savory Architects for the lump sum price of:

   ___________________________________________________________ Dollars ($_________________)  
   (Enter Base Bid Amount in Words Here)  
   (Numerical Value Here)

2. The undersigned Bidder further acknowledges receipt of the following addenda as listed below and represents that any additions or modifications to, or deletions from the work called for in these addenda, have been taken into consideration and included in the Base Bid Sum.

   Addendum No.: ____________      Addendum No.: ____________
   Addendum No.: ____________      Addendum No.: ____________

   The undersigned Bidder understands that the Owner reserves the right to reject this bid, but that this bid shall remain open and may not be withdrawn for ninety (60) days from the date of opening.

3. Alternates

   a. 1A Rowe Hall-General Construction

      ___________________________________________________________ Dollars ($_________________)  
      (Enter Alternate Amount in Words Here)  
      (Numerical Value Here)

   b. 1B Rowe Hall - Electrical and Telecommunications

      ___________________________________________________________ Dollars ($_________________)  
      (Enter Alternate Amount in Words Here)  
      (Numerical Value Here)

   c. 1C Rowe Hall - Emergency Generator Connection

      ___________________________________________________________ Dollars ($_________________)  
      (Enter Alternate Amount in Words Here)  
      (Numerical Value Here)
d. 2A Reese Hall – General Construction, HVAC All Floors, Electrical, Telecommunications
   Ground Floor, 1st Floor and 3rd Floor Only
   ____________________________________________________________Dollars ($___________)
   (Enter Alternate Amount in Words Here) (Numerical Value Here)

e. 2B Reese Hall – Electrical and Telecommunications for 2nd Floor, 4th Floor and 5th Floor
   ____________________________________________________________Dollars ($___________)
   (Enter Alternate Amount in Words Here) (Numerical Value Here)

f. 2C Reese Hall - General Construction and HVAC of Server Room Renovations and Adjacent
   Rooms Only- All Floors
   ____________________________________________________________Dollars ($___________)
   (Enter Alternate Amount in Words Here) (Numerical Value Here)

g. 3A Storrs Hall – Coiling Door #230-2
   ____________________________________________________________Dollars ($___________)
   (Enter Alternate Amount in Words Here) (Numerical Value Here)

h. 3B Storrs Hall – New Window Openings Print Lab 230 and Computer Lab 222B
   ____________________________________________________________Dollars ($___________)
   (Enter Alternate Amount in Words Here) (Numerical Value Here)

i. OPA #1 Door Closers LCN 4011/4111 Series Closers
   ____________________________________________________________Dollars ($___________)
   (Enter Alternate Amount in Words Here) (Numerical Value Here)

j. OPA #2 Locksets Schlage Locksets
   ____________________________________________________________Dollars ($___________)
   (Enter Alternate Amount in Words Here) (Numerical Value Here)

k. OPA #3 Door Access Controls – Open to Options
   ____________________________________________________________Dollars ($___________)
   (Enter Alternate Amount in Words Here) (Numerical Value Here)

4. Schedule
   The undersigned Bidder has received and reviewed Shiel Sexton’s schedule and hereby agrees
   that all work will be substantially complete by the aforementioned schedule.

5. Unit Pricing:

No. 1 Spray Fire Resistive Material (SFRM)
Subcontractor Bid Form
SUBCONTRACTOR BID FORM-Addendum 2

- Cost for 25 square feet of material at 1” thickness
- $___________

No. 2 Spray Fire Resistant Material Labor (SFRML)
- Cost for 2 laborers and supervision for 8 hours
- ___________

No. 3 Access Panel Material and Installation
- Prepare, install 2’x2’ access panel as specified as well as drywall touch up and paint as necessary per panel.
- $___________ /EA
General Questions and Clarifications:

1. Can a non AWI certified contractor be used for casework

   Answer: No

2. Is there a preferred control system for the HVAC system?

   Answer: DDC Controls Platform: JCI FX (Auth FX Dealer-Bacnet), Schneider Invensys (Bacnet), Allerton (Bacnet)

3. Confirm that all Spec sections under Contract #26a - Electrical that are not specific to Div26 such as security, telecom, and door hardware are to be conduit with back-boxes only. All cable and devices for these scopes outside of Div26 are to be provided by others.

   Answer: This would be correct with the exception of Fire Alarm which should be included in the Electrical Scope

4. Drawing E1.04 Room 280A shows panel 2LFA being mounted on the wall next to panel 2LF. There is currently a breaker enclosure and a set of feeders surface mounted in this area. All of the available wall space in this room is taken so clarification is needed on the location of panel 2LFA.

   Answer: Locate this panel in Room 278 plan North Wall.

5. There are no exit lights shown on the drawings. Need to confirm the type and number needed along with the locations with circuit numbers. Exit lighting will be needed:

   Answer: Please provide an exit light in Room 230 of Storrs Hall and relocate existing as needed in each space. Type shown in fixture Schedule, connect to nearest EM circuit.

6. Confirm that all new back-boxes and conduit are to be surface mounted on the existing walls.

   Answer: Confirmed, unless it is inside of a new wall.

7. Fire Rated Plywood - confirm that all fire rated plywood will be provided and installed by the General Trades Contractor.
8. Fire Alarm Scope - confirm that all conduit and back-boxes are to be included in Electrical contractor's scope but devices and cable are to be in General Contractors or Owner's scope.

Answer: Fire Alarm to be picked up by the electrical contractor.

9. Drawing E1.02 Room 180A shows panel NP being mounted to the left of existing panel GLA. That space is currently taken up by 2 boxes related to the Time Clock Relay. Are we to remove these boxes to make room for the new panel?

Answer: Relocate these junction boxes as required to install panel in this location.

10. New 75kva Transformer - Drawing E1.02 Room 180A shows the new 75kva transformer being fed from the GPA Panelboard mounting above existing 75kva transformer next to panel GLE. There is not enough space for this installation due to an existing 12x12 junction box. The space above this location is taken by an insulated AC duct so mounting from the above structure would be difficult. Need to confirm the location for the new 75kva transformer.

Answer: Relocate the 12x12 junction box. Provide a floor mounted rack for the new transformer to be mounted over the existing transformer in the location shown.

11. Drawing E3.01 Detail 3, Room 116A shows new panel P1A being mounted on the wall opposite of the existing door adjacent to panel L1. That space currently has conduit and a Fire Alarm Terminal Cabinet covering up that wall. There will be a space available where the existing door is as it will be removed and a wall built in its place. Please confirm if this space is acceptable for relocation of panel P1A.

Answer: The proposed location is acceptable.

12. Fluorescent or LED Strip Fixture - Drawing E3.01 Detail 2, Room 116 shows 6 UC type fixtures and 2 Fluorescent or LED type fixtures over the sink. Please confirm the fixture type over the sink.

Answer: These two fixtures are type “UC”.