



## ADDENDUM NO. 5

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**Date:** April 5, 2016

**Project:** New Academic Building  
York County Community College  
Sanford, Maine

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### **GENERAL**

- Question:** *I represent a company called Navetta Design. I was told to go to this address for questions. We make fixed lecture room and auditorium seating and would like to bid this project. Can you tell me if this is possible and who the contractors are?*

**Answer:** Lecture Hall seating is being donated to the project.
- Question:** *There was a question sent to me this morning about what bricks were to be used? It doesn't seem to show on the plans and it doesn't state a certain style of brick in the specs?*

**Answer:** Provide Morin, Old Port Blend. Design intention is to match exist adjacent building as noted on page AE640 on the exterior finish schedule.
- Question:** *Need a "description of operation" on doors with electric hardware. Door operators will not work with the electric trim lever handle exit devices. You would need electric latch retraction devices, also Power Supplies should be specified with electric hardware.*

**Answer:** The basis of design exit device has an electric latch retraction option. The intent of the specification 087100 paragraph 3.7 "(Electric Locking & Unlocking of Trim)" was to include this option.
- Question:** *Section 087100, Page 13 calls for 1 Exit Device. Are 2 required?*

**Answer:** Two exit devices are required. See modifications to specification section 087100 below.
- Question:** *The curtainwall spec calls for paint to be from either standard, premium and specialty colors. Each of these is a different price point. Do you have any further indication on what the finish will be so we aren't pricing 3 ways?*

**Answer:** Metallic finish is anticipated. Pricing should anticipate premium and specialty colors.
- Question:** *We just spoke with TGP on the spec for mark C6, that product won't work for this application due to the product not being designed for exterior use and the glass size is too big for a single lite.*

**Answer:** Fire Lite IGU will be used instead of "Fire Lite". See modifications to specification section 088000 below. See also modifications to sheet AE620 below.
- Question:** *On the vertical sunshades how do you plan on having them anchored to the curtain wall framing? I see no details on this.*

**Answer:** Vertical sunshades will be anchored to the curtain wall framing with brackets. See modification to sheet AE622 below.

8. **Question:** *In the specifications on page 084113-8 item 2.5 it is calling for the doors to be medium style. On page AE601 of the plans it is showing the doors to be a wide style. What type of doors are you looking for?*  
**Answer:** Provide medium style door as specified on page 084113-8 item 2.5. See modifications to sheet AE601 below.
9. **Question:** *Regarding section 102116 Plastic-laminate-clad toilet compartments: Paragraph 2.2 line G item 1. Color and pattern: Formica 6943-58 virvarr white. Color name/number appears to be invalid, not listed on Formica website.*  
**Answer:** Formica color to be Formica 927-SP Folkstone Sculpted Finish. See modifications to specification section 102116 below.
10. **Question:** *On the fire rated curtain wall frame type 6 you are going to need a horizontal in this frame. Is this going to be ok?*  
**Answer:** An additional mullion is acceptable. See modifications to Drawing AE620 below.
11. **Question:** *Who will be responsible for the jamb struts on the light shelves.*  
**Answer:** The light shelf manufacturer.
12. **Question:** *Are all .040 Aluminum Flat Lock Wall panels to be the same color, or will several different color panels be needed for a mosaic effect?*  
**Answer:** The design intent is for all aluminum flat lock wall panels to be the same color.
13. **Question:** *Will the industry standard 2 coat fluoropolymer finish be acceptable on the Flat Lock Panels or is the 3-coat fluoropolymer finish with suspended metallic flakes needed?*  
**Answer:** A 3-coat fluoropolymer finish with suspended metallic flakes is anticipated.
14. **Question:** *Specification Section 051200 require AISC certification, can this be waived?*  
**Answer:** AISC certification is required as specified in Section 051200.
15. **Question:** *RFI - For the York County Community College, could we have the drawings for the stage rigging, curtains and lighting?*  
**Answer:** See Sheet AE702 and Specification 116143 for Cyclorama requirements. See sheet AE721, EL102 and specification 115700 for light rigging. The intent is for stage lighting/rigging sub-contractor to provide shop drawings. See specification section 115700 paragraph 1.4.A.1 for shop drawing requirements.
16. **Question:** *4" Interior veneer is shown as 3 different heights – A006, Wall Types, # 07 indicates 12' high, D/A301 indicates 14' high and 2/A400 indicates 16' high. Please clarify.*  
**Answer:** These references do not pertain to the project at YCCC.
17. **Question:** *Sills are shown as 2 different sizes according to details on 3A/A400 and 1C/A400. What size will be utilized? Will a clearer detail be issued?*  
**Answer:** These references do not pertain to the project at YCCC.
18. **Question:** *Am I to assume the sills are Ground Face units?*  
**Answer:** These references do not pertain to the project at YCCC. There are no ground face units in the project. All sills are solid surface

19. **Question:** *Exterior Elevations A202 and 203 show sills with 3" to 4" Lug/Bearing and others as Slip/No Bearing. Please advise.*  
**Answer:** These references do not pertain to the project at YCCC.
20. **Question:** *Will Mortar Net and Flashing be used in 4" Interior Veneer wall if Weeps are installed. Details indicate only Weeps.*  
**Answer:** These references do not pertain to the project at YCCC. There is no interior veneer wall in this project.
21. **Question:** *Cell Vents are shown above each banding course on Exterior Elevations A202 and A203. Will Flashing and Mortar Net be needed at these locations also?*  
**Answer:** These references do not pertain to the project at YCCC. There are no banding courses in this project.
22. **Question:** *Detail sheets A003 thru A005 and A400 thru A402 indicate the use of "flashing" but do not clearly state what kind of flashing will be used, Metal or Flexible or a combination of both. Specifications state the use of Metal where indicated and Use Flexible flashing unless otherwise indicated. Please advise.*  
**Answer:** These references do not pertain to the project at YCCC. See Specification section 042000 2.10 C.
23. **Question:** *Will insulation be required in interior CMU walls?*  
**Answer:** Insulation will not be required in interior CMU walls. The interior CMU block will be filled and reinforced with concrete.
24. **Question:** *Will PTA anchors be needed if interior walls are anchored as shown on A506?*  
**Answer:** These references do not pertain to the project at YCCC. There is no A506 drawing.
25. **Question:** *Alternate # 2 details appear to be missing on 1A/A400. Will an Addendum sheet be issued to clarify?*  
**Answer:** These references do not pertain to the project at YCCC. There is no Alternate #2.
26. **Question:** *Will all CMU non-reinforced cells be grouted solid as well as reinforced cells in elevator and stairwells? This would allow for greater flexibility regarding location of solid anchoring points for this construction as well as in future changes.*  
**Answer:** Only cells with vertical reinforcing steel are required to be grouted.
27. **Question:** *Which anchors are for required for use; Seismic or Non Seismic Veneer anchors. Both are listed in Specifications Sec. 2.9, F, #4 and #5. Drawings do not indicate the use of any particular anchor. Please advise.*  
**Answer:** The project is in seismic design category B, therefore Non-Seismic Veneer Anchors are acceptable.
28. **Question:** *Drawing AE721; How are the panels fastened?*  
**Answer:** Panels shall be fastened in accordance with specification 098447. See modifications to sheet AE001 below.

29. **Question:** *Details on the drawing show curtainwall being filled with spray foam. We are being told by our suppliers that this will void their warranty.*  
**Answer:** Curtain wall installation shall be per manufacturers recommendations and warranty requirements. See modifications to Sheet AE622 and AE623 below.
30. **Question:** *Please identify the responsibilities of the contractor for section #104450. We assume this is limited to a field test and not any design requirements. Please provide any testing agencies that have been approved to perform this test.*  
**Answer:** The contractor shall engage a qualified testing agency or commercial building energy auditor to perform field tests for water and air infiltration as indicated in specification section 014450.
31. **Question:** *Would it be possible to extend the bid by one day. Monday's are historically a less than ideal day to formulate bids because of all the subcontracting activity on bid day which may also be less if the bid day falls on a Monday. (In addition prior commitments would in all probability preclude us from bidding on the 11th).*  
**Answer:** the bid opening date was established to allow enough time for tree clearing which is required to be complete my May 10th as indicated on sheet C-001 construction sequencing note 2.
32. **Question:** *2/P-702 and detail 1/P-402 show the domestic water service as 2-1/2" yet the Backflow Preventer Schedule on drawing P-601 shows it as 3" size. Should BFP-1 be 2-1/2"?*  
**Answer:** Backflow preventer shall be 2-1/2."
33. **Question:** *The backflow preventer schedule requires BFP-1 to have an inlet strainer and would typically be pre-piped with the BFP. Schematic 2/P-702 shows a strainer on the inlet side of the water meter. Are both strainers necessary or will just one on the inlet side of the water meter suffice?*  
**Answer:** Provide one strainer on the inlet side of the water meter.
34. **Question:** *Media room 103 av riser, can we confirm if the active electronics are to be included in the pricing or is this only conduit and/or cabling? Please clarify.*  
**Answer:** Provide cabling, conduit, pathways, supports, boxes, and jacks for AV outlets shown on the AV diagram on Drawing EP501.
35. **Question:** *Media Room 103 the "A" device in the AV blocks; can we confirm what these devices are?*  
**Answer:** On Drawing EP501, Detail 4, the square symbol with an "A" is an RCA Right-Left Audio Jack (Red-White).
36. **Question:** *Are there any cabling requirements for the projector 'P' locations?*  
**Answer:** Refer to AV diagram on Drawing EP501 for projector cabling requirements in the Lecture Hall. Projector cabling requirements in the classrooms shall be ceiling mounted Category 6 jacks, as indicated by the symbol on Drawing E001 (last symbol listed under the "Telephone, Data and Video" section).

37. **Question:** Will locations of the microphones/speakers/etc. be provided at a later date for the auditorium?

**Answer:** Floor Microphone jacks are shown at podium locations on Drawing EP101. Speakers are shown on EP102. Quantity and locations of speakers shall be calculated by speaker manufacturer as indicated in Specification 275116, section 2.7.C.1.b.

## **SPECIFICATIONS**

### **Section 088000 "Glazing"**

1. Paragraph 2.4.C.1 after the word "provide" **DELETE** "Fitelite," TGP, Hippon Electric Glass Company, Ltd." And **REPLACE** with " FireLite IGU, composed of FireLite products and tempered or annealed float glass with an insulating air space and low-e coating, by TPG Fire Rated; Technical Glass Products."
2. Paragraph 2.11.A. **DELETE** paragraphs 7-12 and **REPLACE** with the following:
  7. Visible Light Transmittance: 70 percent minimum.
  8. Winter Nighttime U-Factor: 0.29 maximum.
  9. Summer Daytime U-Factor: 0.26 maximum.
  10. Solar Heat Gain Coefficient: 0.38 maximum.
  11. Outdoor Visible Light Reflectance: 11 percent maximum.
  12. Provide safety glazing labeling.
  13. Basis of design product: Viracon VE1-2M
3. **ADD** the following paragraphs:
  - 2.11.C Glass Type IG3: Low-e-coated, clear insulating glass (low SHGC) at units "C7" and "C8".
    1. Overall Unit Thickness: 1 inch.
    2. Thickness of Each Glass Lite: 6.0 mm.
    3. Outdoor Lite: Clear, fully tempered float glass.
    4. Interspace Content: Argon.
    5. Indoor Lite: Float glass, heat-strengthened float glass, or fully tempered float glass as required.
    6. Low-E Coating: Pyrolytic on third surface.
    7. Visible Light Transmittance: 62 percent minimum.
    8. Winter Nighttime U-Factor: 0.29 maximum.
    9. Summer Daytime U-Factor: 0.26 maximum.
    10. Solar Heat Gain Coefficient: 0.29 maximum.
    11. Outdoor Visible Light Transmittance: 10 percent maximum.
    13. Provide safety glazing labeling.
    14. Basis of design product: Viracon VNE1-63.

### **Section 087100 "Door Hardware"**

1. Paragraph 3.7, hardware set HW-1A (Exterior Vestibule Door 100A & 100C) **REPLACE** "1" before the words "Exit Device" with "2".

### **Section 102116 "Plastic-Laminate-Clad Toilet Compartments"**

1. Paragraph 2.2.G.1; Color and pattern: **DELETE** "Formica 6943-58 virvarr white" and **ADD** "Formica 927-SP Folkstone Sculpted Finish."

### **Section 230923 "Direct Digital Control (DDC) System for HVAC"**

1. Paragraph 2.1.A, **REVISE** the basis of design to the following:

"Basis-of-Design Product: Subject to compliance with requirements, provide DDC control system by Delta Controls, Inc. or Schneider Electric Controls or a pre-approved, comparable product by another manufacturer. The control system shall be fully integrated with the existing BAS system in the Academic building and both buildings shall be fully accessible and programmable through a single graphics package. The existing control system in the Academic building is a Delta Control System."

### **Section 238229 "Radiators"**

1. Part 2, **ADD** the following to Paragraph 2.2, Radiant Panels:

- "A Panels: Aluminum sheet, with minimum thickness of 0.040 inch. Each panel shall have six (6) passes of copper tube bonded to the aluminum sheet. Tube ends shall accept a 3/8-inch type "L" copper tube without additional fittings.
- B. Insulation: Insulation on top of panels shall be a minimum of 1-inch thick, ¾ pound/cubic foot, glass fiber pad.
- C. Finish: Baked-enamel finish in manufacturer's standard color to match adjacent ceiling."

## **DRAWINGS**

### **Sheet S-001**

1. General Note 4, **REPLACE** with the following:

"4. Perform special inspections in accordance with Chapter 17 of IBC 2012. Concrete special inspections shall be performed in accordance with Table 1706.3. Structural Steel inspections shall be performed in accordance with AISC specifications (AISC 350). Masonry special inspections shall be performed in accordance with TMS/402/ACI 530/ ASCE 5. Inspections shall be the responsibility of The Contractor and performed by third party inspection agencies independent of contractor quality control inspections and tests indicated in specifications. Submit monthly reports to structural engineer of record and owner. Report shall as a minimum include date deficiencies observed, corrective action performed and date corrective action was performed. Submit final report at completion of structural work to the structural engineer of record and owner."

### **Sheet AE001**

1. Partition type "NE" at room 102 side of partition **DELETE** 1 layer of 5/8" gypsum Board and **ADD** 1/2 inch fire rated ply wood were modular metal wall system is indicated.

### **Sheet AE101 and Sheet AE102**

1. Detail 1 where interior walls intersect exterior walls, **ADD** 16 inches of acoustic batt insulation in the exterior wall stud cavity on both sides, of walls that intersect with the exterior wall.

### **Sheet AE503**

1. Detail 6, Extend metal flat lock siding down 3/4" past the bottom of the metal soffit.

### **Sheet AE601**

1. Detail 1, door type "D" **DELETE** "6" frame width at head and jambs and **REPLACE** with '4"'. At sill **DELETE** "6" frame width and **REPLACE** with "10"".

### **Sheet AE620**

1. Detail 1, at curtain wall type "C6" **ADD** a horizontal mullion at the midpoint of frame.
2. Detail 1, at curtain wall type "C7" and "C8" **ADD** the note "Provide glass type IG3".

### **Sheet AE622**

1. Detail 3, after the words "SUNSHADE BRACKET" **ADD** the following:

"V-SERIES EXTRUDED 6063-T6 ALUMINUM FINISHED TO MATCH CURTAIN WALL, WITH ACCUSHIM ACCESSORIES BY ACCURATE PERFORATING OR APPROVED EQUAL"

2. **ADD** the following general note:

"Where curtain walls framing connects with adjacent construction provide primary and secondary backer rod and sealant per manufactures recommendations. Provide spray foam at shim space."

### **Sheet AE623**

1. **Add** the following general note:

"Where curtain walls framing connects with adjacent construction provide primary and secondary backer rod and sealant per manufactures recommendations. Provide spray foam at shim space."

### **Drawing E001**

1. **Add** note 15 to General Notes as follows:

"15.Coordinate installation work with Fire Protection, Plumbing, Mechanical Ductwork and Piping Trades."

### **Drawing EL101**

1. **Add** the following sentence to the end of Keynote 7:

"Conduit and wiring shall be run within the pole. Conduits shall be stubbed up inside pole as shown on detail 6/C-506 on Drawing C-506. Provide pole with pre-drilled holes for call box and strobe wiring."

2. **Add** LED sign light Type M on South Exterior Wall, East of Vestibule 100. Coordinate location with detail 1/AE201 on Drawing AE201. Mount fixture 11'=6" AFF. Provide time clock to control fixture. Locate time clock in Elec Room 113. Connect light fixture and time clock to circuit P1-60.

### **Drawing EL102**

1. **Add** Note 4 to Drawing Notes as follows:

"4. REFER TO SPECIFICATION 115700 FOR STAGE LIGHTING AND RIGGING."

### **Drawing EP101**

1. **Add** Note 2 to Drawing Notes as follows:

"2. FOR FLUSHOMETERS, THE ELECTRICAL CONTRACTOR SHALL PROVIDE POWER WIRING, RACEWAY AND CONNECTIONS TO LOW VOLTAGE TRANSFORMER PROVIDED BY PLUMBING CONTRACTOR. THE PLUMBING CONTRACTOR SHALL PROVIDE WIRING FROM LOW VOLTAGE TRANSFORMER TO EACH FLUSHOMETER."

2. **Add** Note 3 to Drawing Notes as follows:

“3. PROVIDE 2” X 24” CABLE TRAY ABOVE CEILINGS IN CLASSROOMS 114, 118, 110 AND OFFICE 108. CABLE TRAY SHALL BE CONTINUOUS FROM CLASSROOMS TO AREA BELOW DATA/ELEC ROOM 202. PROVIDE FOUR (4) 4-INCH CONDUITS FROM TRAY TO DATA/ELEC ROOM 202 ABOVE. REFER TO DETAIL 3/EP501 FOR DETAIL OF TRAY, CONDUIT AND BOXES.”

### **Drawing EP102**

1. **Add** Note 2 to Drawing Notes as follows:

“2. FOR FLUSHOMETERS, THE ELECTRICAL CONTRACTOR SHALL PROVIDE POWER WIRING, RACEWAY AND CONNECTIONS TO LOW VOLTAGE TRANSFORMER PROVIDED BY PLUMBING CONTRACTOR. THE PLUMBING CONTRACTOR SHALL PROVIDE WIRING FROM LOW VOLTAGE TRANSFORMER TO EACH FLUSHOMETER.”

2. **Add** Note 3 to Drawing Notes as follows:

“3. PROVIDE 2” X 24” CABLE TRAY ABOVE CEILINGS IN CLASSROOMS 203, 204, 209, 210, 211 AND CONFERENCE ROOM 211. CABLE TRAY SHALL BE CONTINUOUS FROM CLASSROOMS TO DATA/ELEC ROOM 202. REFER TO DETAIL 3/EP501 FOR DETAIL OF TRAY, CONDUIT AND BOXES.”

3. Mechanical Room 205: **Add** power circuit for fire damper. Refer to detail 2/M-401 for location of fire damper. Provide 2-#12 AWG + 12 AWG G in 1/2-inch conduit from damper to panelboard M1. Connect to circuit M1-31.

### **Drawing EP501**

1. **Add** the following symbol clarifications to AV Diagram (detail 4/EP501):

“VGA = VIDEO GRAPHICS ARRAY JACK”

“HDMI = HIGH DEFINITION MULTIMEDIA INTER FACE JACK”

“USB = UNIVERSAL SERIAL BUS JACK”

“A = RCA RIGHT-LEFT AUDIO JACK (RED-WHITE)”

“AV = AUDIO VISUAL TERMINATION”

“TV = TELEVISION JACK”

2. Add Note 3 to AV Diagram Media Room 103 (detail 4/EP501):

“3. Provide boxes, jacks, cabling, conduit, pathways and supports for AV devices shown.”

### **Drawing EL701**

1. **Add** Note 15 to Fixture Schedule Notes as follows:

“15. For Type D fixtures shown on Drawing EL102 to have emergency ballasts, provide the Bodine ELI-S-100 emergency inverter (or equivalent) in lieu of an emergency Ballast.”

2. Type D Fixture in the Lighting Fixture Schedule: **Delete** “9” and **Add** “15” in the “Notes” column.
3. Type L Fixture in the Lighting Fixture Schedule: **Revise** Catalog Number to EXEC-RT21-60L-4K-070-4-U-10-BC-DB-STR.
4. Type L Fixture in the Lighting Fixture Schedule: **Add** pole catalog number ESSS-30-50-7-AS(1)-DB.

5. Type L Fixture in Lighting Fixture Schedule: **Add** "13" and "16" in the "Notes" Column.
6. **Add** Note 16 to Fixture Schedule Notes as follows:  
  
"16. For poles shown on Drawing EL101 (Keynote 7) to have emergency call boxes and strobes, provide poles with pre-drilled holes. Conduits and conductors for lighting fixtures, call boxes and strobes shall be run within the pole.
7. **Add** Sign Light Type M Fixture to Lighting Fixture Schedule. Fixture shall be the Eaton Lumiere 303-S1-LEDB2-4000-UNV-T5X-DIM10-BK-24-EDGE (or equivalent).

END OF ADDENDUM No. 5