This Addendum contains changes to the requirements of the Bidding Documents, Technical Specifications and Construction Drawings which have been issued to date. Such changes are to be incorporated into the Construction Documents and shall apply to the Work with the same meaning and force as if they had been included in the original documents. Wherever this Addendum modifies a portion of a paragraph of the Project Manual, or portion of any Drawings, the remainder of the paragraph or Drawing shall remain in force.

CLARIFICATIONS:

A. **Question**: What size is the floor tile? Pattern 1-15 only uses 12x24 as an image example, is 12x24 the desired floor tile size?

   **Response**: Yes.

B. **Question**: Spec section 093013-2.3-5-2A states “mosaic around floor drains”. How much mosaic around the drains should we account for?

   **Response**: Account for 48” x 48” of mosaic tile for each floor drain.

C. **Question**: Addendum #2 clarifies the IQ Optima Acoustiflor will only be provided in sheet applications and the IQ Optima .080 is 12 X 24 tile. On Drawing A700 it indicates RS01, RS02, RS03 & RS04 as IQ Optima and the size as sheet. It indicates RS05, RS06, RS07, RS08, RS09 & RS10 as IQ Optima Acoustiflor. Has the type of flooring switched to match the application indicated or has the application switched to match the flooring indicated? Please clarify.

   **Response**: The response in Addendum #2 does not change any IQ Optima .080 sheet applications to tile, only the size of tile that should be accounted for in tile applications of the product. The IQ Optima Acoustiflor does not come in a tile, therefore any application of it must be a sheet. This does not change the layout of finishes indicated on the finish floor plan.

D. **Question**: Does ASME B31.1 apply to only high temperature water or does it apply to all of the welding on the project?

   **Response**: ASME B31.1 applies only to the high temperature hot water system.

E. **Question**: Can the AWI requirement in specification section 081416 be eliminated to allow for the inclusion of doors from Masonite Architectural and other manufacturers that are not members of AWI’s Quality Certification program?

   **Response**: No, the AWI Quality Certification Program requirements in specification 081416 will not be waived.
F. **Question:** Drawing Page E201: 4" cable tray has many sections instead of continuous runs. I am curious what the intent and reasoning is for this, seems like it would add a lot of extra labor on the install. Is there an obstruction? If so do we need to sleeve and seal?

**Response:** There are many obstructions ranging from mechanical piping/ductwork to structural beams.

G. **Question:** Mechanical units shown on E202 and in referenced to Electrical Equipment and Control Schedule on E601: It appears that the mechanical units on are being fed from panels on the opposite side of the buildings. Examples AHU-1-SA, AHU-1-SB, AHU-1-R, AHU-2-SA, AHU-2-SB, AHU-2-R are being supplied from panel PP5C on the opposite side of the building. While AHU-3-SB, AHU-3-SA. AHU-3-R, AHU-4 SB, AHU-4-SB, AHU-4-SA, AHU-4-R are being supplied from panel PP1C on the opposite site of the building. Using this method will add a lot of extra cost to the project. Could you review and possible flip the feeds to match with the panels on the same side of the building as the mechanical units?

**Response:** Bid per the Construction Documents. The design was done to meet specific equipment replacement phasing requirements.

**GENERAL:**

**CHANGES TO THE PROJECT MANUAL:**

A. Refer to Specification Section 00 21 13.20 - INFORMATION FOR BIDDERS

1. Revise Section 7 - Qualification for Bidders, Paragraph (1) the words "within the last five (5) years" to read "within the last ten (10) years".

2. Revise Section 8 - Submission of Post Bid Information, Paragraph (1), c, iii, the words "within the last five (5) years" to read "within the last ten (10) years".

3. Revise Section 8 - Submission of Post Bid Information, Paragraph (1), c, iv, in 2 places, the words "within the last five (5) years" to read "within the last ten (10) years".

B. Refer to Specification Section 00 42 13.00 - PROPOSAL

1. Revised Attachment A the words: "Bidders must provide two (2) example projects completed in the past five (5) years" to read as "Bidders must provide two (2) example projects completed in the past ten (10) years"
C. Refer to Specification Section 01 00 00 - GENERAL REQUIREMENTS

1. Section 01 26 43 - Amendments (Section E):
   a. Add to Item 3 the following: Specification Section "087100 - Door Hardware".
   b. Add Item 5 to read as follows:

   "5. Amend the AGREEMENT as follows:

   In Article V, Section 5.06 is amended as follows:

   In Section 5.06 (2) (f), Delete the second sentence and insert the following in its place: "A liability insurance policy issued to and covering the liability, of the Contractor and/or subcontractor engaged in the removal, handling or wrapping of asbestos, if any of such work is to be performed under the Contract, for bodily injury, illness, sickness or property damage caused by exposure to asbestos in an amount not less than $5,000,000 per occurrence and $5,000,000 aggregate.""

   c. Renumber subsequent paragraph.

D. Refer to Specification Section 08 71 00 – DOOR HARDWARE

1. REPLACE paragraph 2.7 B 10 with the following:

   10. Manufacturers:


2. REPLACE paragraph 2.7 C 2 with the following:

   2. Manufacturers:

   a. Von Duprin (VD) – 9954 Series. No substitutions.

3. REPLACE paragraph 2.8 A 5 with the following:

   5. Manufacturers:

   a. LCN Closers (LC) - 4040 Series. No substitutions.
E. Refer to Specification Section 08 14 16 – FLUSH WOOD DOORS

1. REPLACE paragraph 2.3 with the following:

"2.3 FIVE-PLY FLUSH BONDED WOOD VENEER-FACED DOORS FOR TRANSPARENT FINISH

A. Interior Doors:

1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
   a. Eggers Industries (Basis of Design)
   b. ABS-American Building Supply, Inc.
   c. General Veneer Manufacturing Co.
   d. Haley Brothers, Inc.

2. Performance Grade: ANSI/WDMA I.S. 1A Extra Heavy Duty.

3. Architectural Woodwork Standards Grade: Custom.

4. Faces: two-ply wood panel with wood veneer not less than 1/50 inch thick.
   a. Species: Select white maple.
   b. Cut: Rift cut.
   c. Match between Veneer Leaves: Book match.
   d. Assembly of Veneer Leaves on Door Faces: Running match.
   e. Pair and Set Match: Provide for doors hung in same opening or separated only by mullions.
   f. Room Match: Match door faces within each separate room or area of building. Corridor-door faces do not need to match where they are separated by 10 feet or more.
   g. Room Match: Provide door faces of compatible color and grain within each separate room or area of building.

5. Exposed Vertical and Top Edges: Same species as faces - Architectural Woodwork Standards edge Type A.
   a. Mineral-Core Doors: At hinge stiles, provide laminated-edge construction with improved screw-holding capability and split resistance. Comply with specified requirements for exposed edges.
      1) Screw-Holding Capability: 475 lbf in accordance with WDMA T.M. 10.

   a. Blocking: Provide wood blocking in particleboard-core doors as needed to eliminate through-bolting hardware.

7. Construction: Five plies, hot-pressed or cold-pressed, bonded."
F. Refer to Specification Section 14 21 23 .16 – MACHINE ROOM-LESS ELECTRIC TRACTION PASSENGER ELEVATORS

1. REPLACE paragraph 2.2 C 2 with the following:
   
   "2. Project Seismic Design Category: B"

G. Refer to Specification Section 23 20 10 - PIPING SYSTEMS AND ACCESSORIES

1. Revise title of Article 1.4 to read as follows:
   
   "1.4 WELDING PROCEDURES QUALIFICATION FOR HIGH TEMPERATURE HOT WATER SYSTEMS"

2. Revise title of Article 1.5 to read as follows:
   
   "1.5 WELDING AND WELDING OPERATOR PERFORMANCE QUALIFICATION FOR HIGH TEMPERATURE HOT WATER SYSTEM"

3. Revise title of Article 1.6 to read as follows:
   
   "1.6 RECORDS OF WELDING AND FIELD JOINT ASSEMBLY FOR WELDING OF HIGH TEMPERATURE HOT WATER SYSTEM"

4. Revise title of Article 3.7 to read as follows:
   
   "3.7 WELDING: SYSTEM OTHER THAN HIGH TEMPERATURE HOT WATER"

H. Refer to Specification Section 26 11 16 - INDOOR UNIT SUBSTATION, SINGLE ENDED, CLOSE COUPLED

1. Revise Article 2.1, Paragraph F to read as follows:
   
   "F. Design Equipment: Square D Premset 15 kV switchgear.

2. Revise Article 2.3 the word "SWITCHGEAR" to "SWITCHBOARD".

3. Add Article 2.3 , Paragraph A, 4 to read as follows:
   
   "4. Conform to standards NEMA PB2 and 250 and UL 50 and 891."
4. Add Article 2.3, Paragraph I, 2 to read as follows:

"2. Communications:

a. Switchboard lineup shall include an internal interwired communications network for connection to user’s network for power monitoring, equipment status and alarm information. The following communications capabilities to the switchboard communications network shall be provided:

1) A connection shall be available for Building Management System, Energy & Power Management System (EPMS) or future software.

2) Access through a standard web browser shall be available for maintenance review, troubleshooting and monitoring of each breaker’s embedded web pages.

b. The network communication system shall be pre-configured and tested at the factory with drawings of the network and device addresses. Final device addressing shall be configurable by the end user.

c. The network interwiring shall consist of shielded cables with pluggable connectors to facilitate ease of connection across shipping splits.

d. Documented communications test results including network connections shall be provided upon request.

e. The switchboard communication system shall consist of the following:

1) Ethernet Modbus TCP IP connection via daisy-chain architecture to each Stored Energy, Power Circuit Breaker and Meters. Each Stored Energy, Power Circuit Breaker shall contain embedded web pages to provide breaker/cradle status, energy monitoring, historical trending, maintenance indicators/logging, email alerts and communications diagnostics through a standard web browser. Downloadable software shall be available to adjust trip/alarm points, display tripping curves and update firmware."

5. Revise Article 2.3, Paragraph K, 2 to read as follows:

"2. 4000 ampere frame size, insulated case, draw-out."
6. Revise Article 2.3, Paragraph L, 2 to read as follows:

"2. Insulated case, ampere size as indicated, draw-out."

7. Revise Article 2.3, SECOND Paragraph N to read as follows:

"N. Design Equipment: Square D, QED-6 switchboard with type MTZ circuit breakers."

CHANGES TO THE DRAWINGS:

A. Refer to Drawing No. HM100 - GROUND AND FIRST FLOOR ABATEMENT PLAN

1. Provide abatement scope of work at the First Floor, Room 1544A to accommodate Division 28 fire alarm wiring work at the existing fire alarm control panels. All work to be coordinated with Division 28 prior to any abatement removals.

   a. Refer to Drawing E504, Detail 8 (Addendum 3) for the existing room layout and location.

   b. Add Keyed Asbestos Removal Note #3 to Room 1544A.

B. Refer to Drawing No. A151 - REFLECTED CEILING PLAN

1. Provide 2'x2' suspended ceiling, type "ACP" in the First Floor, Room 1544A to accommodate existing ceiling removal. Refer to Drawing E504, Detail 8 (Addendum 3) for the existing room layout and location.

C. Refer to Drawing No. E000 - GENERAL NOTES AND SYMBOLS

1. Replace with attached version.

D. Refer to Drawing No. E401 - ONE LINE DIAGRAM SUBSTATION 1/LVDP1

1. Replace with attached version.

E. Refer to Drawing No. E402 - ONE LINE DIAGRAM SUBSTATION 2/VLDP2

1. Replace with attached version.

F. Refer to Drawing No. E504 - PARTIAL SITE PLAN - GENERATOR DETAIL AND MANHOLE LOCATIONS

1. Replace with attached version.

END OF ADDENDUM NO. 3
CLIENT: STATE UNIVERSITY CONSTRUCTION FUND
STATE UNIVERSITY PLAZA 353 BROADWAY, ALBANY, NY 12246

PROJECT NO. 071049 RENOVATE BARTLE LIBRARY THIRD FLOOR SOUTH & PENTHOUSE
BINGHAMTON UNIVERSITY

DRAWING TITLE: LIBRARY SOUTH

DRAWING NUMBER: E504
date: 03/20/2021

ISSUE DATE: 04/04/2020

M/E ENGINEERING, P.C.

GENERATOR

PARTIAL 4TH FLOOR PLAN - WEST CHASE
POWER AND SPECIAL SYSTEMS

PARTIAL 4TH FLOOR PLAN - EAST CHASE
POWER AND SPECIAL SYSTEMS

PARTIAL 1ST FLOOR PLAN - POWER AND SPECIAL SYSTEMS

PARTIAL 2ND FLOOR PLAN - POWER AND SPECIAL SYSTEMS

PARTIAL 1ST FLOOR PLAN - ELECTRICAL

PARTIAL SITE - MANHOLE LOCATIONS

PARTIAL SITE PLAN - MANHOLE LOCATIONS

E504 GENERAL NOTES

1. CRAWLING SPACE UNDER ELEVATORS. MAKE SURE TO EXAMINE ALL SURROUNDING AREAS FOR HIDDEN HOLES IN CONCRETE. REFER TO INFILL DETAILS ON STRUCTURAL DRAWINGS. INDICATED TO BE REMOVED. REMOVE ALL HANGERS AND SUPPORTS AND PATCH UNDERSIDE OF THE SLAB. CARE MUST BE TAKEN TO LOCATE REINFORCEMENT IN MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION SERIES DRAWINGS.

2. DISCONNECT AND REMOVE EXISTING SMOKE AND HEAT DETECTOR IN ELEVATOR SHAFT.

3. PROVIDE CONDUIT FOR CONDUIT ENTRY INTO BUILDING.

4. PROVIDE 3#4, 1#6G, 1"C AND CONNECT NEW ELEVATORS #28, #29 AND #31 TO EXISTING MICABLES FROM FLOOR BELOW, BDEM/GEN UP TO FLOOR ABOVE.

5. DISCONNECT AND REMOVE EXISTING SMOKE AND HEAT DETECTOR IN ELEVATOR SHAFT AND DISCONNECT TAMPER AND FLOW SWITCH ASSOCIATED WITH ELEVATOR SHAFT.

6. DISCONNECT SWITCHES. DISCONNECT SWITCHES TO REMAIN.

7. ADD SMOKE DETECTOR TO ROOM.

8. REPLACE EXISTING ELEVATOR PIT RECEPTACLE WITH GFI TYPE. REPLACE EXISTING REBAR.

9. MiCABLES FROM FLOOR BELOW, BDEM/GEN UP TO FLOOR ABOVE.

10. RELOCATE EXISTING COMMUNICATION WIRING FROM OLD ELEVATOR CONTROLLERS TO FIELD.

11. HAVE NEW LANDSCAPING STONE SUPPLIED AROUND THE GENERATOR TO MATCH THE SURROUNDING AREAS. COORDINATE FINAL LANDSCAPING REQUIREMENTS WITH THE FIELD.

12. PROVIDE CONDULET FOR CONDUIT ENTRY INTO BUILDING.

13. REBAR.

14. DISCONNECT AND REMOVE EXISTING SMOKE AND HEAT DETECTOR IN ELEVATOR SHAFT.

15. PROVIDE CONDULET FOR CONDUIT ENTRY INTO BUILDING.

16. DISCONNECT AND REMOVE EXISTING SMOKE AND HEAT DETECTOR IN ELEVATOR SHAFT.

17. PROVIDE CONDULET FOR CONDUIT ENTRY INTO BUILDING.

18. DISCONNECT AND REMOVE EXISTING SMOKE AND HEAT DETECTOR IN ELEVATOR SHAFT.

19. EXISTING CONCRETE SIDEWALK. PROVIDE CRANE PADS OR OTHER SIMILAR PROTECTION TO ACCOMMODATE THE GENERATOR INSTALLATION. MODIFY EXISTING WIRING AS NEEDED TO ACCOMMODATE THE GENERATOR INSTALLATION. THE AREA SHALL BE REGRADED AROUND THE NEW GENERATOR PAD AND HAVE NEW LANDSCAPING STONE SUPPLIED AROUND THE GENERATOR TO MATCH THE SURROUNDING AREAS. COORDINATE FINAL LANDSCAPING REQUIREMENTS WITH THE FIELD.

20. EXISTING AREA FOR THE GENERATOR CONSIST OF LANDSCAPING PLANTINGS AND CURBS DURING EXCAVATION. REMOVE AND REINSTALL EXISTING SECTIONS OF GRANITE TO ACCOMMODATE THE GENERATOR INSTALLATION. MODIFY EXISTING WIRING AS NEEDED TO ACCOMMODATE THE GENERATOR INSTALLATION. THE AREA SHALL BE REGRADED AROUND THE NEW GENERATOR PAD AND HAVE NEW LANDSCAPING STONE SUPPLIED AROUND THE GENERATOR TO MATCH THE SURROUNDING AREAS. COORDINATE FINAL LANDSCAPING REQUIREMENTS WITH THE FIELD.

21. EXISTING SITE LIGHTING POLE SHALL BE DISCONNECTED, REMOVED AND REINSTALLED TO ACCOMMODATE THE GENERATOR INSTALLATION. THE AREA SHALL BE REGRADED AROUND THE NEW GENERATOR PAD AND HAVE NEW LANDSCAPING STONE SUPPLIED AROUND THE GENERATOR TO MATCH THE SURROUNDING AREAS. COORDINATE FINAL LANDSCAPING REQUIREMENTS WITH THE FIELD.

22. PROVIDE CONDULET FOR CONDUIT ENTRY INTO BUILDING.

23. DISCONNECT AND REMOVE EXISTING SMOKE AND HEAT DETECTOR IN ELEVATOR SHAFT.

24. PROVIDE CONDULET FOR CONDUIT ENTRY INTO BUILDING.

25. DISCONNECT AND REMOVE EXISTING SMOKE AND HEAT DETECTOR IN ELEVATOR SHAFT.

26. PROVIDE CONDULET FOR CONDUIT ENTRY INTO BUILDING.

27. DISCONNECT AND REMOVE EXISTING SMOKE AND HEAT DETECTOR IN ELEVATOR SHAFT.

28. PROVIDE CONDULET FOR CONDUIT ENTRY INTO BUILDING.

29. DISCONNECT AND REMOVE EXISTING SMOKE AND HEAT DETECTOR IN ELEVATOR SHAFT.

30. PROVIDE CONDULET FOR CONDUIT ENTRY INTO BUILDING.

31. DISCONNECT AND REMOVE EXISTING SMOKE AND HEAT DETECTOR IN ELEVATOR SHAFT.

32. PROVIDE CONDULET FOR CONDUIT ENTRY INTO BUILDING.

33. DISCONNECT AND REMOVE EXISTING SMOKE AND HEAT DETECTOR IN ELEVATOR SHAFT.