

**BIDDING AND CONTRACT REQUIREMENTS  
ADDENDUM NUMBER 3**

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To: Prospective Bidders  
Re: **ADDENDUM NUMBER 3 TO THE BIDDING DOCUMENTS FOR:**

**JOLIET JUNIOR COLLEGE  
NATURAL SCIENCES ADDITION AND RENOVATION**  
Architect's Project Number: 209087.00

This addendum forms a part of the bidding and contract documents and modifies the original bidding documents dated September 20, 2010. Acknowledge receipt of this addendum in the space provided on Bid Form. FAILURE TO DO SO MAY SUBJECT BIDDER TO DISQUALIFICATION.

**PART 1 ADDENDA TO THE PROJECT MANUAL**

- A. Section 06 20 00 – Finish Carpentry:
  - 1. Page 3, Article 2.05, Paragraph A, ADD the following sentence: “(At display case frame)”.
- B. Section 07 42 14 – Insulated Metal Wall Panels:
  - 1. Page 4, Article 2.02, Paragraph B, REVISE Sub-Paragraph 4 to read as follows: “ Interior Sheet: Galvanized steel, prefinished, minimum 22 gage thick, stucco embossed.”
- C. Section 07 72 00 – Roof Accessories:
  - 1. Page 1, Article 1.01, Paragraph B, REVISE to read as follows: “Roof Davits. Refer to drawings for locations at roofs.”
  - 2. Page, 2, Article 2.01, ADD Paragraph F as follows:
    - “F. Roof Davits: Steel roof davits welded to roof structure.
    - 1. Manufacturer: Pro-Bel Enterprises LTD.; www.pro-bel.com, or equal.
    - 2. Product: PBE75-0000, Series 2.
    - 3. Height: 24”
    - 4. Tube Diameter: 4”.”
- D. Section 08 44 13 – Glazed Aluminum Curtain Walls:
  - 1. Page 3, DELETE Article 3.05 – Adjusting.
- E. Section 08 71 00 – Door Hardware:
  - 1. ADD the following attachment: Access Responsibility Matrix, attached hereto.
- F. Section 08 80 00 – Glazing:
  - 1. Page 2, Article 2.01, REVISE paragraph C to read as follows: “Clear Glass (Type I-2): Clear, wired (square pattern). ¾ hour rated. Provide clear safety film on both sides of glazing.
  - 2. Page 3, Article 2.01, paragraph C, ADD sub-paragraph 4 as follows:
    - “4. Safety film: Manuf: SAFTI FIRST; www.safti.com, or equal. Product: Superlite I-W.
- G. Section 09 30 00 – Tiling:
  - 1. Page 3, Article 2.01, Paragraph A, Sub-Paragraph 1, Sub-Paragraph b, Sub-Pparagraph 1, Sub-Paragraph d, REVISE Sub-Paragraph 1 from “ A1101 – Sand Box (PT-1)” to read: “ A1102 – Roasted Marshmellow (PT-1)”.
  - 2. Page 3, Article 2.01, Paragraph A, Sub-Paragraph 1, Sub-Paragraph b, sub-paragraph 2, sub-paragraph e, REVISE sub-paragraph 1 from “ A1117 – I See The Moon (PT-3, PTB-1)” to read: “ A1102 – Roasted Marshmellow (PT-3, PTB-1)”.

3. Page 4, Article 2.04, ADD Paragraph B as follows:  
 "B. Colors: 1. Delorian Gray #165 for PT-1, PT-2, PT-3, PT-5, PTB-1  
 2. Pewter #19 for PT-4.
- H. Section 09 51 00 – Acoustical Ceilings:  
 1. Page 2, Article 2.01, Paragraph C, REVISE Sub-Paragraph 7 to read as follows:  
 "7. Suspension System: Exposed Grid Type 1, except at toilet rooms with Exposed Grid Type 3."  
 2. Page 3, Article 2.02, ADD Paragraph E as follows:  
 "E. Exposed Aluminum Suspension System Type 3: All aluminum, commercial quality;  
 intermediate duty.  
 1.) Profile: Tee; 15/16 inch wide face.  
 2.) Finish: White painted.  
 3.) Product: 830 All Aluminum by Chicago Metallic or approved equal from USG."
3. Page 4, ADD Article 3.05 – Schedule as follows:  
 3.05– SCHEDULE  
 A. Exposed Steel Suspension System Type 1 Locations: At all 2'x2' ceiling grids with the  
 exception of toilet rooms.  
 B. Exposed Steel Suspension System Type 2 Location: At 4'x4' ceiling grid at 2-story  
 Atrium.  
 C. Exposed Aluminum Suspension System Type 3 Locations: At Toilet Rooms E1015,  
 E1016, E2042, and E2043.
- I. Section 11 53 13 – Laboratory Fume Hoods, DELETE subparagraph 1.03 F.
- J. Section 11 53 13 – Laboratory Fume Hoods, Paragraph 2.01 A, ADD items 4 and 5 as follows:  
 4. CIF Lab Casework Solutions  
 5. Valley City Architecture Furniture
- K. Section 11 62 20 - Laboratory Accessories, DELETE subparagraph 1.03 A.
- L. Section 11 62 20 – Laboratory Accessories, Paragraph 2.13, CHANGE item designation from W36H06  
 to W30H06.
- M. Section 11 62 20 – Laboratory Accessories, Subparagraph 2.13 A, Item 2, DELETE "Basis of Design".  
 ADD Item 5 as follows:  
 4. Basis of Design: Terra Universal Inc., Style: Metro, Post-Style Wall-Mount Shelving
- N. Section 12 35 53 – Laboratory Casework, DELETE subparagraph 2.02 C 4.
- O. Section 12 36 00 – Countertops:  
 1. Page 3, Article 2.01, paragraph A, ADD sub-paragraph 6 to read as follows:  
 "6. Provide (1) grommet at each work station and printer at rooms E1045 and E1045B (5 total)."  
 2. Page 3, Article 2.01, DELETE Paragraph B - Solid Surfacing Countertops and Paragraph C –  
 Quartz Stone Countertops in their entirety.
- O. Document 23 73 23 – CUSTOM AIR HANDLING UNITS.  
 1. Page 2, Article 1.3, Paragraph D:  
 a. REVISE TO:  
 "D. Manufacturer shall be ISO-9000 certified, or follow quality procedures similar to ISO-9000."  
 2. Page 4, Article 1.9, Paragraph B:  
 a. DELETE THE FOLLOWING:  
 B. Provide one additional set of belts for all fans.

3. Page 5, Article 2.2, Paragraph A, Sub-Paragraph 1:
  - a. ADD the following:

“c. Panel joints and seams shall be thermally broken. Manufacturers shall submit details showing the thermal break at panel joints and corners. Thermal break shall consist of a rigid EPDM or neoprene separation between the interior and exterior wall panels. Direct metal to metal bridging between the interior and exterior wall panels will not be allowed. Screws will also not be permitted to penetrate the thermal break. Caulk will not be accepted as a barrier for the thru metal path.”
4. Page 5, Article 2.2, Paragraph C, Sub-Paragraph 1:
  - a. REVISE TO:

“a. The entire exterior unit casing shall be constructed with an absolute leakage or ½% of design CFM when tested at 10” W.C.”
5. Page 6, Article 2.4, Paragraph A, Sub-Paragraph 2:
  - a. REVISE TO:

“2. Floor plates/sheets shall be a minimum of 1/8” aluminum checker plate.”
6. Page 6, Article 2.4, Paragraph B, Sub-Paragraph 1:
  - a. REVISE TO:

“1. The floor shall be continuously welded and upturned. All joints/corners shall also be continuously welded.”
7. Page 7, Article 2.6, Paragraph A, Sub-Paragraph 2:
  - a. REVISE TO:

“2. Interior liner shall be a minimum of 20 gauge solid sheets.”
8. Page 7, Article 2.8, Paragraph B:
  - a. REVISE TO:

“B. Doors shall be the same material and thickness as the surrounding walls. If 3” panels are used, doors shall be 2”.”
9. Page 8, Article 2.11, Paragraph C:
  - a. DELETE THE FOLLOWING:

~~C. Hydronic Piping And Valves:~~

~~1. Provided and installed by unit manufacturer where designated on drawings. Refer to drawings for division of work between contractor and manufacturer. Refer to Section 23 21 00 for requirements.~~
10. Page 9, Article 2.11, Paragraph G, Sub-Paragraph 2:
  - a. REVISE TO:

“2. The media shall be fluted, honeycomb in design to provide for laminar flow to minimize the leakage of the exhaust air to the supply air through the media. The rotor media shall be made of aluminum or a synthetic matrix that is coated with a non-migrating, 3 angstrom (maximum) molecular sieve desiccant, specifically developed for the selective transfer of water vapor. Silica gel, oxidized aluminum, and other non-molecular desiccants are not acceptable.”

11. Page 11, Article 2.11, Paragraph I:

a. ADD and REVISE THE FOLLOWING:

“1. AHU shall be provided with wiring to allow for four electrical connections in the field, as detailed in this section:

- a. (1) 460V connection to the supply fan array.
- b. (1) 460V connection to the exhaust fan array.
- c. (1) 120V connection for lighting
- d. (1) 120V connection for the energy recovery wheel motor.

2. AHU manufacturer shall provide, mount and wire VFD’s for supply and exhaust fans. A VFD shall be provided for each fan in the supply and exhaust array, and the manufacturer shall wire all VFD’s for each fan array to a single point panel with disconnect.

- a. Refer to VFD specification for requirements.

3. Internal wiring and devices provided and installed by unit manufacturer. Refer to drawings for division of work between contractor and manufacturer. Refer to Division 26 for requirements.

4. Provide shop drawings of the unit, including wiring schematics, to both the Electrical and Temperature Control Contractors to coordinate their work.

5. All wiring shall conform to NFPA 70. All starters and disconnects shall be NEMA (not IEC) rated.

6. All internal lighting shall be provided by the unit manufacturer. Each section shall have a switch on the exterior of the unit.

7. Lights shall be 4 foot long, low temperature, vapor proof fluorescent ceiling mounted marine lights with a wall mounted duplex receptacle or marine fluorescent fixtures in a quantity that will provide the same light intensity. Provide in each access section.

8. All lights shall be wired back to common junction box for connection by the Electrical Contractor. Provide a switch on both sides and both ends of the units. Switches shall control all fixtures.”

P. Document 23 05 00 – BASIC HVAC REQUIREMENTS.

1. Page 8, Article 1.7, Paragraph A, Sub-Paragraph 1:

a. DELETE THE FOLLOWING:

~~b. Expansion Compensation 23 05 16~~

b. ADD the following:

“i. Lab Utility Piping System 23 15 00

r. Power Ventilators 23 34 23”

Q. Document 23 31 00 – DUCTWORK.

1. Page 13, Article 3.2

a. ADD the following:

Transfer Ducts	Galvanized Sheet Metal	-1/2”	---	1” thick Type C
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R. Document 23 21 00 – HYDRONIC PIPING.

1. Page 3, Article 2.1, Paragraph C:

a. ADD the following:

“C. Piping – (2” and smaller):

1. Tubing: Type L drawn temper seamless copper tube, ASTM B88.
2. Joints: Solder with Type 95-5 solder. 50-50 solder is not acceptable.
3. Fittings: Wrought copper solder joint, ASME B16.22.”

2. Page 19, Article 3.8, Paragraph D:

a. ADD the following:

“D. Solder Joints:

1. Make up joints with 95% tin and 5% antimony (95-5) solder conforming to ASTM B32 Grade 95TA. Cut copper tubing ends perfectly square and remove all burrs inside and outside. Thoroughly clean sockets of fittings and ends of tubing to remove all oxide, dirt and grease just prior to soldering. Apply flux evenly, but sparingly, to all surfaces to be joined. Heat joints uniformly to proper soldering temperature so solder flows to all mated surfaces. Wipe excess solder, leaving a uniform fillet around cup of fitting.
2. Flux shall be non-acid type conforming to ASTM B813.
3. Solder end valves may be installed directly in the piping system if the entire valve is suitable for use with 470°F melting point solder. Remove composition discs and all seals during soldering if not suitable for 470°F.”

3. Page 14, Article 2.17

a. ADD the following:

“2.17 GLYCOL SCHEDULE

System	Insulation Finish
1. Chilled Water	30% Ethylene Glycol. Contractor shall confirm the new mixture matches the existing percentage and mixture.
2. Heating Water	None required.”

S. Document 23 05 29 – HVAC SUPPORTS AND ANCHORS.

1. Page 5, Article 2.3, Paragraph B, Sub-Paragraph 4:

a. ADD the following:

“f. Vacuum Pump

g. Pure Water System”

T. Document 22 05 00 – BASIC PLUMBING REQUIREMENTS.

1. Page 7, Article 1.7, Paragraph A, Sub-Paragraph 1:

a. DELETE THE FOLLOWING:

~~e. Prefabricated Curbs ————— 22-05-29~~

b. ADD the following:

U. Document 22 05 53 – PLUMBING IDENTIFICATION.

1. Page 1, Article 1.3:
  - a. DELETE THE FOLLOWING:

~~1.3 Submittals~~

~~A. Submit shop drawings under provisions of Section 22 05 00. Include list of items identified, wording, letter sizes, and color coding.~~

~~B. Include valve chart and schedule listing valve tag number, location, function, and valve manufacturer's name and model number.~~

V. Document 22 10 00 – PLUMBING PIPING.

1. Page 16, Article 3.4:
  - a. ADD the following:

"BB. All non-potable piping shall be painted a highly visible purple color to distinguish the system from the potable system."

**PART 2 ADDENDA TO THE DRAWINGS**

- A. Sheet C-4.02: ADD Detail per sketch CSK-06, attached hereto.
- B. Sheet S-101-A, titled EXISTING FOUNDATION PLAN – MODULE A
  1. At Drawing 1, titled, EXISTING FOUNDATION PLAN – MODULE A:
    - a. At the trenches in the existing slab:
      - 1) ADD the following note:
        - a. Existing north-south trenches are approximately 2'-0" wide x 1'-3" deep and the east-west trenches are approximately 2'-0" wide x 8" deep.
    - b. At Note 1 under the detail name and number:
      - 1) REVISE TO:
        - a. Drawing indicates existing construction only. Refer to P-200-A for cutting and patching plan of trenches and post-tensioned slab.
    - c. At Notes under the detail name and number:
      - 1) ADD the following:
        - a. 2. Refer to 2/S-101-A for infill detail for post-tensioned slab.
    - d. ADD the following:
      - 1) Detail 2/S-101-A. Refer to SSK-01.
- C. Drawing S-102-B, titled, SECOND FLOOR FRAMING PLAN – MODULE B.
  1. At Drawing 1, titled, SECOND FLOOR FRAMING PLAN – MODULE B:
    - a. ADD the following:
      - 1) Floor openings per SSK-02.
- D. Drawing S-103-B, titled, ROOF FRAMING PLAN – MODULE B.
  1. At Drawing 1, titled, ROOF FRAMING PLAN:
    - a. ADD the following:
      - 1) Roof anchors per re-issued S-104-B sheet.
- E. Drawing S-104-B, titled, PENTHOUSE ROOF FRAMING PLAN – MODULE B.
  1. At Drawing 1, titled, PENTHOUSE ROOF FRAMING PLAN:
    - a. ADD the following:
      - 1) Roof anchors per re-issued S-104-B sheet.

- F. Drawing S-303, titled, STEEL DETAILS.
  - 1. At Drawing 1, titled, STEEL DETAILS:
    - a. ADD the following:
      - 1) Detail 13/S-303 per SSK-03.
      - 2) Detail 14/S-303 per SSK-04.
      - 3) Detail 15/S-303 per SSK-05.
      - 4) Detail 16/S-303 per SSK-06.
      - 5) Detail 17/S-303 per SSK-07.
      - 6) Detail 18/S-303 per SSK-08.
- G. Sheet A-104, titled Roof Plan: REMOVE sheet A-104 in its entirety, and REPLACE with sheet A-104, attached hereto.
- H. Sheet A-201, titled Building Elevations: REMOVE sheet A-201 in its entirety, and REPLACE with sheet A-201, attached hereto.
- I. Sheet A-202, titled Building Elevations, Drawing 1: REVISE the first three measurements of the top dimension string to read from left to right as follows: 10'-6", 8'-0", and 12'-0 1/2".
- J. Sheet A-202, titled Building Elevations, Drawing 1: REPLACE a portion of the drawing with the attached sketch ASK-05.
- K. Sheet A-203, titled Building Elevations, Drawing 1: REPLACE a portion of the drawing with the attached sketch ASK-06.
- L. Sheet A-203, titled Building Elevations, Drawing 3: REPLACE the drawing with the attached sketch ASK-07.
- M. Sheet A-410, titled Stair Plans: ADD drawing 12 – Penthouse Stoop, shown in the attached sketch ASK-08.
- N. Sheet A-412, titled Stair and Ramp Sections and Details: ADD drawing 7 – Penthouse Stoop, shown in the attached sketch ASK-09.
- O. Sheets A-500 through A-525 (Plan Details, Sections Details, and Roof Details): At all locations where a backer rod with sealant is graphically shown, REVISE the keynote from "07 90 00.A1" to read "07 90 00.A3".
- P. Sheet A-501, titled Plan Details, Drawing 7: REVISE keynote 09 22 16.13.B1 (7/8" Hat Channel) to be keynote 06 10 00.D1 (3/4" Plywood Sheathing).
- Q. Sheet A-502, titled Plan Details, Drawing 5: REVISE keynote 09 22 16.13.B1 (7/8" Hat Channel) to be keynote 06 10 00.D1 (3/4" Plywood Sheathing).
- R. Sheet A-502, titled Plan Details, Drawing 7: REVISE keynote 09 22 16.13.B1 (7/8" Hat Channel) to be keynote 06 10 00.D1 (3/4" Plywood Sheathing) at all locations.
- S. Sheet A-513, titled Plan Details, Drawing 1: REVISE the two overlapping keynotes to read 09 21 16.A3 for the top keynote and 09 51 00.A1 for the bottom keynote.
- T. Sheet A-524, titled Roof Details, Drawing 6: REVISE the dimension from 1'-8" to read 2'-0".
- U. Sheets A-701-A, A-701-B, A-702-A, and A-702-B, Finish Legend, CHANGE the color to "A1102 Roasted Marshmallow" for the following tile designations: PT-1, PT-3, PTB-1.
- V. Sheet AQ-502: DELETE and REPLACE with new Sheet AQ-502, attached hereto.
- W. Sheet AQ-503: DELETE and REPLACE with new Sheet AQ-503, attached hereto.

- X. Sheet AQ-601, Casework Identification Legend, at the note where Sheet AQ-11 is referenced, DELETE "...on Sheet AQ-11" and replace with "...on this sheet".
  - Y. Sheet AQ-603, Lab Equipment Schedule, Item SFP-01, Responsibility Column, ADD "L" to the Furnish sub-column, and "Y" to the Install sub-column.
  - Z. Drawing MD-101A, titled, FIRST FLOOR PLAN – MOD A – MECHANICAL DEMOLITION.
    - 1. At Drawing 1, titled, FIRST FLOOR PLAN – MOD A – MECHANICAL DEMOLITION
      - a. REVISE TO:
        - 1) The temporary cadaver exhaust is currently shown to be routed up through the existing building. This shall be modified to be routed through the addition. The roof mounted hoods shall also be resized. Refer to MSK-15 for more information.
- AA. Drawing MD-102A, titled, SECOND FLOOR PLAN – MOD A – MECHANICAL DEMOLITION
  - 1. At Drawing 1, titled, SECOND FLOOR PLAN – MOD A – MECHANICAL DEMOLITION
    - a. REVISE TO:
      - 1) The temporary cadaver exhaust is currently shown to be routed up through the existing building. This shall be modified to be routed through the addition. The roof mounted hoods shall also be resized. Refer to MSK-16 for more information.
- BB. Drawing M-101B, titled, FIRST FLOOR PLAN – MOD B – VENTILATION
  - 1. At Drawing 1, titled, FIRST FLOOR PLAN – MOD B – VENTILATION
    - a. REVISE TO:
      - 1) The temporary cadaver exhaust is currently shown to be routed up through the existing building. This shall be modified to be routed through the addition. The roof mounted hoods shall also be resized. Refer to MSK-17 for more information.
- CC. Drawing MD-102B, titled, SECOND FLOOR PLAN – MOD B – VENTILATION
  - 1. At Drawing 1, titled, SECOND FLOOR PLAN – MOD B – VENTILATION
    - a. REVISE TO:
      - 1) The temporary cadaver exhaust is currently shown to be routed up through the existing building. This shall be modified to be routed through the addition. The roof mounted hoods shall also be resized. Refer to MSK-18 for more information.
- DD. Drawing MD-104, titled, ROOF PLAN – VENTILATION
  - 1. At Drawing 1, titled, ROOF PLAN – VENTILATION
    - a. REVISE TO:
      - 1) The temporary cadaver exhaust is currently shown to be routed up through the existing building. This shall be modified to be routed through the addition. The roof mounted hoods shall also be resized. Refer to MSK-19 for more information.
- EE. Drawing M-602, titled, MECHANICAL SCHEDULES
  - 1. At Drawing HOOD SCHEDULE, titled, MECHANICAL SCHEDULES
    - a. REVISE TO:
      - 1) The temporary cadaver exhaust is currently shown to be routed up through the existing building. This shall be modified to be routed through the addition. The roof mounted hoods shall also be resized. Refer to MSK-20 for more information.
- FF. Drawing M-203, titled PENTHOUSE PLAN - HEATING.
  - 1. At Drawing 1, titled, PENTHOUSE PLAN - HEATING:
    - a. REVISE TO:
      - 1) All coil connections for the AHU are located on one side of the unit. The piping (HWS, HWR, CWS, CWR) has been modified to reflect this change. Refer to MSK-21 for more information.

GG.Drawing M-103, titled, PENTHOUSE PLAN - VENTILATION.

1. At Drawing 1, titled, PENTHOUSE PLAN - VENTILATION:
  - a. ADD the following:
    - 1) Coil-pull areas. Refer to MSK-22 for more information.

HH.Drawing M-502, titled, MECHANICAL DETAILS.

1. At Drawing 4A, titled, AHU DETAIL – PLAN VIEW and at Drawing 4B, titled, AHU DETAIL – ELEVATION VIEW:
  - a. REVISE TO:
    - 1) Clarification notes were added to the air handling unit details. Refer to MSK-23, MSK-24, MSK-25 and MSK-26 for more information.

II.. Drawing M-600, titled, MECHANICAL SCHEDULES.

1. At AIR HANDLING UNIT SCHEDULE
  - a. REVISE TO.
    - 1) The filter portion of the schedule has been modified. Refer to MSK-27 for more information.

JJ. Drawing M-100, titled, MECHANICAL SITE PLAN.

1. At General Notes:
  - a. ADD the following:
    - 1) A general note was added regarding the depth of the buried chilled water piping. Refer to MSK-28 for more information.

KK. Drawing M-403, titled, MECHANICAL CONTROL DIAGRAMS.

1. At Drawing 3, titled, AIR HANDLING UNIT CONTROL, AHU-1 and at Drawing 4, titled, AHU REPORT GENERATION:
  - a. ADD the following:
    - 1) Static pressure sensors shall be added to the outside air, supply and exhaust air streams, and their outputs shall be included in the report generation. Refer to MSK-29 for more information.

LL. Drawing M-101B, titled, FIRST FLOOR PLAN – MOD B - VENTILATION.

1. At Drawing 1, titled, FIRST FLOOR PLAN – MOD B - VENTILATION:
  - a. REVISE TO:
    - 1) The round ducts serving the center downdraft tables have been shifted to assist with coordination. Refer to MSK-30 for more information.

MM.Drawing M-102B, titled, SECOND FLOOR PLAN – MOD B - VENTILATION.

1. At Drawing 1, titled, SECOND FLOOR PLAN – MOD B - VENTILATION:
  - a. REVISE TO:
    - 1) The supply main in corridor E2050 was modified, and the ductwork serving SAV-217 was modified to assist with coordination. Refer to MSK-31 for more information.

NN.Drawing M-102B, titled, SECOND FLOOR PLAN – MOD B - VENTILATION.

1. At Drawing 1, titled, SECOND FLOOR PLAN – MOD B - VENTILATION:
  - a. ADD the following:
    - 1) Add a fire damper in the 40x16 ductwork that travels from MOD B to MOD A. Refer to MSK-32 for more information.

OO.Drawing M-500, titled, MECHANICAL DETAILS.

1. At Drawing 12, titled, TRAPEZE HANGER DUCT WRAP VAPOR SEAL:
  - a. ADD the following:
    - 1) The detail indicating how to hang ductwork with a trapeze hanger and maintain the vapor seal was added. Refer to MSK-33 for more information.

PP. Drawing M-101B, titled, FIRST FLOOR PLAN – MOD B - VENTILATION.

1. At Drawing 1, titled, FIRST FLOOR PLAN – MOD B - VENTILATION:

a. ADD the following:

- 1) A note was added that referenced the new detail added in item 'K' above. Refer to MSK-34 for more information.

QQ. Drawing M-601, titled, MECHANICAL SCHEDULES.

1. At GRILLES REGISTERS & DIFFUSERS SCHEDULE:

a. REVISE TO:

- 1) The schedule was revised to indicate that the RG-1's are to be ducted. Refer to MSK-35 for more information.

RR. Drawing M-100, titled, MECHANICAL SITE PLAN.

1. At Drawing 1, titled, MECHANICAL SITE PLAN:

a. ADD the following:

- 1) Shut-off valves shall be added to the 8" branch piping at the take-off from the main. 14" future taps shall be added. Refer to MSK-36 for more information.

SS. Drawing M-402, titled, COOLING WATER SCHEMATIC DIAGRAM.

1. At Drawing 1, titled, COOLING WATER FLOW DIAGRAM:

a. ADD the following:

- 1) Shut-off valves shall be added to the 8" CWS and CWR piping as soon as it enters the penthouse. Refer to MSK-37 for more information.

TT. Drawing M-402, titled, COOLING WATER SCHEMATIC DIAGRAM.

1. At Drawing 1, titled, COOLING WATER FLOW DIAGRAM:

a. ADD the following:

- 1) Add an expansion tank to the cooling water system. Notes were added regarding the filling of the chilled water system. Refer to MSK-38 for more information.

UU. Drawing M-600, titled, MECHANICAL SCHEDULES.

1. At DUCT SILENCER SCHEDULES:

a. REVISE:

- 1) DS-1, DS-6, DS-28, DS-29, DS-37 and DS-38. Refer to MSK-39 for more information.

VV. Drawing M-402, titled, COOLING WATER SCHEMATIC DIAGRAM.

1. At Drawing 1, titled, COOLING WATER FLOW DIAGRAM:

a. ADD the following:

- 1) Future chilled water taps. Refer to MSK-40 for more information.

b. REVISE TO:

- 1) Revise routing to tap the 8" chilled water piping off of the 12" and change the 10" to 12". Refer to MSK-40 for more information.

WW. Drawing P-100B, titled, UNDERFLOOR PLAN – MOD B – PLUMBING

1. At Drawing 1, titled, UNDERFLOOR PLAN – MOD B – PLUMBING

a. REVISE TO:

- 1) The fire protection and domestic water services inverts are currently shown at a depth lower than required. These shall be modified to be shallower. Refer to PSK-08 for more information.

b. ADD the following:

- 1) The water entrance room does not have an exterior wall. To provide a means to isolate the water service mains on both sides of the slab on grade routing above it a valve box and shutoff valve have been added to both mains. Refer to PSK-08 for more information.

- 2) Additional floor cleanouts are needed. Refer to PSK-09 for more information.

- 3) Add note to clarify depth of acid waste branch piping. Refer to PSK-10 for more information.

XX.Drawing P-101A, titled, FIRST FLOOR PLAN – MOD A – PLUMBING

1. At Drawing 1, titled, FIRST FLOOR PLAN – MOD A – PLUMBING

- a. REVISE TO:

- 1) Update double bowl sinks from SK-1 to SK-3. Refer to PSK-11 for more information.

YY.Drawing P-101B, titled, FIRST FLOOR PLAN – MOD B – PLUMBING

1. At Drawing 1, titled, FIRST FLOOR PLAN – MOD B – PLUMBING

- a. REVISE TO:

- 1) The plumbing piping has been shifted to help in coordination. Refer to PSK-12 for more information.
- 2) The plumbing piping has been shifted to help in coordination. Refer to PSK-13 for more information.
- 3) Change standard sanitary to acid waste piping to serve the penthouse floor drains. Refer to PSK-14 for more information.

- b. ADD the following:

- 1) Add acid waste piping serving a floor drain in the mechanical room above. Refer to PSK-14 for more information.
- 2) Additional floor cleanouts are needed. Refer to PSK-15 for more information.
- 3) The water entrance room does not have an exterior wall. To provide a means to isolate the water service mains on both sides of the slab on grade routing above it a valve box and shutoff valve have been added to both mains. Refer to PSK-16 for more information.

ZZ.Drawing P-102B, titled, SECOND FLOOR PLAN – MOD B – PLUMBING

1. At Drawing 1, titled, SECOND FLOOR PLAN – MOD B – PLUMBING

- a. REVISE TO:

- 1) Change standard sanitary to acid waste piping to serve the penthouse floor drains. Refer to PSK-17 for more information.

- b. ADD the following:

- 1) Floor drain in mechanical room E2040. Refer to PSK-17 for more information.

AAA.Drawing P-103, titled, PENTHOUSE PLAN – PLUMBING

1. At Drawing 1, titled, PENTHOUSE PLAN – PLUMBING

- a. REVISE TO:

- 1) Change standard vent piping to acid vent piping to serve the penthouse floor drains. Refer to PSK-18 for more information.
- 2) Change penthouse floor drains to FD-1 to handle acidic condensate. Refer to PSK-18 for more information.

BBB.Drawing P-200, titled, UNDERFLOOR PLAN – MOD A – CUTTING AND PATCHING

1. REVISE General Note #3 to read as follows: “3. Cut and patch floor. Match level and smooth surface texture of existing concrete floor”
2. REVISE General Note #5 to read as follows: “ 5. Infill existing trench ducts with concrete. Match level and smooth surface texture of existing concrete floor.”

CCC.Drawing P-500, titled, PLUMBING DETAILS

1. At Drawing 5, titled, WATER HEATER (GAS) DETAIL

- a. ADD the following:

- 1) Add a thermometer. Refer to PSK-19 for more information.

DDD.Drawing P-500, titled, PLUMBING DETAILS

1. At Drawing 10, titled, VALVE BOX DETAIL
  - a. ADD the following:
    - 1) Add detail 10 titled Valve Box Detail. Refer to PSK-20 for more information.

EEE.Drawing P-600, titled, PLUMBING MATERIAL LIST

1. At item titled RWS-1 on PLUMBING MATERIAL LIST
  - a. REVISE TO:
    - 1) Include reservoir installation requirements. Refer to PSK-21 for more information.
  - b. ADD the following:
    - 1) Add a double bowl sink description SK-3 for drawing clarity. Refer to PSK-21 for more information.

FFF.Drawing FP-400, titled, FIRE PROTECTION SCHEDULES AND RISER DIAGRAM

1. At Drawing 1, titled, FIRE PROTECTION RISER DIAGRAM
  - a. REVISE TO:
    - 1) Update the backflow preventer tag to BFP-1 to match the material list item. Refer to FSK-01 for more information.

FFF.Drawing E-102A, titled, SECOND FLOOR PLAN – MOD A - LIGHTING.

1. At Drawing 1, titled, SECOND FLOOR PLAN – MOD A – LIGHTING:
  - a. REVISE:
    - 1) Luminaire type from F17 to F9 in Physics Closet E2030A and Closet E2034. Refer to ESK-07 for more information.

GGG.E-102B, titled, SECOND FLOOR PLAN – MOD B - LIGHTING.

1. At Drawing 1, titled, FIRST FLOOR PLAN – MOD A – LIGHTING:
  - a. REVISE:
    - 1) Luminaire type from F17 to F9 in Closet E2041. Refer to ESK-08 for more information.

HHH.Drawing E-201A, titled, FIRST FLOOR PLAN – MOD A - POWER.

1. At Drawing 1, titled, FIRST FLOOR PLAN – MOD A – POWER:
  - a. DELETE THE FOLLOWING:
    - 1) Ceiling mounted electrical connection from projector in Prep Room E1013. Refer to ESK-09 for more information.

III.Drawing E-202B, titled, FIRST FLOOR PLAN – MOD A - POWER.

1. At Drawing 1, titled, FIRST FLOOR PLAN – MOD A - POWER:
  - a. REVISE:
    - 1) Circuit number from Vacuum Pump (VP-1) equipment from (DP-EPH1)-15 to (DP-EPH2)-7. Refer to ESK-10 for more information.

JJJ.Drawing E-411, titled, ONE LINE DIAGRAM - ELECTRICAL.

1. At Drawing 1, titled, ONE LINE DIAGRAM - ELECTRICAL:
  - a. ADD the following:
    - 1) Adjustable trip settings for circuit breakers #5, #6 and #8 in Main Distribution Panel MDP-SB. Refer to ESK-11 for more information.

KKK.Drawing E-700, titled, ELECTRICAL SCHEDULES.

1. At Drawing 1, titled, ELECTRICAL SCHEDULES:
  - a. ADD the following:
    - 1) Luminaire type F7A to Luminaire Schedule. Refer to ESK-12 for more information.
  - b. REVISE:
    - 1) Luminaire type F7 from Luminaire Schedule. Refer to ESK-12 for more information.

LLL.Drawing E-701, titled, ELECTRICAL SCHEDULES.

1. At Drawing 1, titled, ELECTRICAL SCHEDULES:
  - a. ADD the following:
    - 1) Ceiling Information Outlet. Refer to TSK-05 for more information.

MMM.Drawing T-102A, titled, SECOND FLOOR PLAN – MOD A - TECHNOLOGY.

1. At Drawing 1, titled, SECOND FLOOR PLAN – MOD A – TECHNOLOGY:
  - a. ADD the following:
    - 1) Ceiling Information Outlet. Refer to TSK-05 for more information.

NNN.Drawing T-401 titled, RISER AND DETAILS - TECHNOLOGY.

1. At Drawing 1, titled, RISER AND DETAILS - TECHNOLOGY:
  - a. REVISE THE FOLLOWING:
    - 1) Keynotes and wiring. Refer to TSK-06 for more information.

OOO.Drawing T-500, titled, TECHNOLOGY MATERIAL LIST.

1. At Drawing 1, titled, TECHNOLOGY MATERIAL LIST:
  - a. REVISE THE FOLLOWING:
    - 1) Material List Item #28. Refer to TSK-07 for more information.

### **END OF SECTION**

Attachments:

CSK-06  
SSK-01  
SSK-02  
SSK-03  
SSK-04  
SSK-05  
SSK-06  
SSK-07  
SSK-08  
Sheet S-103-B  
Sheet S-104-B  
Sheet A-104  
Sheet A-201  
ASK-05  
ASK-06  
ASK-07  
ASK-08  
ASK-09  
Sheet AQ-502  
Sheet AQ-503  
MSK-15  
MSK-16  
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ESK-08  
ESK-09  
ESK-10  
ESK-11  
ESK-12  
ESK-13  
TSK-05  
TSK-06  
TSK-07

Access Responsibility Matrix (Attachment to Section 08 71 00)

This addendum consists of 14 pages, not including attachments.