

PUBLIC BUILDING COMMISSION OF CHICAGO

ADDENDUM NO.01 TO CONTRACT NO. 1535

For

AIR FORCE ACADEMY PHASE III
3630 S. Wells Street, Chicago, IL 60609
RENOVATION WORK

DATE: November 15, 2011

NOTICE OF CHANGES IN CONTRACT DOCUMENTS

The following changes are hereby made in the Contract Documents.

Changes to Book 2: STANDARD TERMS AND CONDITIONS FOR CONSTRUCTION CONTRACTS:

- Change 1. Book 2, Section 21.03, paragraph 1.b., change the first sentence to read:
"The Contractor agrees to ensure that the aggregated hours of Work to be performed under this Contract will be performed such that at least 50% of the Work is performed by actual residents of the City of Chicago and 7.5% is performed by Community Residents."

Changes to Book 3: TECHNICAL SPECIFICATIONS:

- Change 1. Specification Section 02231 – Landscape Protection, Tree Pruning and Removals
At paragraph 2.1, add sub-paragraph "D" as follows: "All imported fill and soil must be tested and approved in accordance with Section 02318."
- Change 2. Specification Section 02900 - Landscaping
A. At paragraph 3.2.C.1, revise sentence to read as follows: "Comply with the requirements of Section 02316, Section 02315 or Section 02317 as applicable."
B. At paragraph 3.5.B, revise sentence to read as follows: "Upon completion of planting, remove excess soil, stones, and debris and dispose of off-site in a legal manner, in accordance with Section 02316, Section 02315 or Section 02317 as applicable."
- Change 3. Specification Section 07550 - Modified Bituminous Membrane Roofing
A. At paragraph 1.2.D, change "0.25" to read "78 for a minimum of 75% of the roof area".
B. Delete paragraph 1.3.G in its entirety.
- Change 4. Specification Section 11480 – Basketball Scoreboard
A. At paragraph 2.03.H, delete Items #1 thru 5 and #7 thru 11; Item #6 (Protective Screen) to remain.
B. Delete paragraph 2.04.G in its entirety.
- Change 5. Specification Section 14420 – Wheelchair Lifts
A. At paragraph 2.1.A, change Items #1 thru 3 to read: "1. Savaria, Inc., 2. ThyssenKrupp Access, 3. Mac's Lift Gate".
B. At paragraph 2.3, add the following sub-paragraph: "O. Provide ADA compliant emergency speakerphone as manufactured by K-Tech International (model ET401A-LPSS) or approved equal."

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- Change 6. Specification Section 16050 - Basic Electrical Materials and Methods
- A. At paragraph 3.2.D, add the following sentence: "Perform dewatering in accordance with Sections 02315 and 02316, as applicable."
 - B. At paragraph 3.2.F, add the following sentence: "Perform excavation in accordance with Sections 02315, 02316 or 02317 as applicable."
 - C. At paragraph 3.2.G, add sub-paragraph "5" as follows: "Perform excavation in accordance with Sections 02315, 02316 or 02317 as applicable."
 - D. At paragraph 3.2.I, add the following to the end of sentence: "...and Section 02318 - Acceptance of Backfill, Topsoil and CU Structural Soil."
- Change 7. Add Specification Section 16055 – Overcurrent Protective Device Coordination and Arch Flash Study.
- Change 8. Add Specification Section 16145 – Lighting control Devices.
- Change 9. Add Specification Section 16289 – Transient Voltage Suppression.
- Change 10. Add Specification Section 16461 – Low Voltage Transformers.

Changes to Drawings:

Change 11. **Sheets AD1.10 and AD1.20:**

Add Keynote D36 as follows: "Disconnect and remove existing clock and associated wiring. Provide sheet metal cover plate fastened to wall with round head screws to fully cover existing recessed wall box. Metal cover / fasteners to be painted with wall."

Change 12. **Sheets AD1.10 and AD1.20:**

At Classrooms 135, 225, 227, 228, 229, 230, 233 and 234, add keynote #D36.

Change 13. **Sheet AD1.10:**

1. Add Keynote D37 to sheet to read as follows: "Remove existing wood brackets from wall and side of cabinet at north end of reception counter. Patch and paint wall to match adjacent surfaces."
2. Add Keynote D37 to floor plan at Main Office 116.
3. Add Keynote D38 to sheet to read as follows: "Remove existing plaster soffit."
4. Add Keynote D38 to floor plan at Classroom 135 (north side of room).

Change 14. **Sheet AD1.20:**

At Classrooms 225 and 227, add keynote #D11 in each room.

Change 15. **Sheet A0.01:**

At Keynote #A13, add the following sentence: "Top of handrail shall be 42 inches above grade. Provide intermediate horizontal member typical for guardrail system."

Change 16. **Sheets A1.00, A1.10 and A1.20:**

1. At Keynote A55, add the following sentence: "Provide full floor tiles to match existing. Prep and paint entire wall (from floor up to window sill)."
2. At Keynote A57, add the following sentence: "Prep and paint entire wall to match existing paint color."
3. At Floor Plan General Notes, add the following note: "20. Patch existing wall, floor and ceiling surfaces to match adjacent surfaces at locations of BAS related work."

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4. At Floor Plan General Notes, add the following note: "21. Rod out and televise all existing floor drains to main in street before start of demolition work and at the completion of construction (existing and new floor drains)."

Change 17. Sheet A1.00:

1. Add Keynote A66 to sheet as follows: "Provide 3 -W8 x 50 (12 inch length) welded to 1/2" steel plate anchored to new 6" high x 3'-0" long x width of coil unit concrete pad; refer to Mechanical Sheet M2.00A. Provide shop drawing submittal for AOR review."
2. Add Keynote A66 to floor plan at location of new heating/cooling coils; refer to Sheet M2.00A.

Change 18. Sheet A1.10:

1. Add Keynote A65 to sheet as follows: "Provide ADA counter shelf and swing door panel; refer to Detail A1 on Sheet A5.50."
2. Add Keynote A65 to floor plan at Main Office 116.

Change 19. Sheet A1.40:

1. At Keynote A4, change note to read as follows: "Provide galvanized steel ladder (Detail J13/A1.43 similar) and galvanized steel handrail (see structural) as indicated on roof plan."
2. At Keynote A13, change note to read as follows: "Provide new raised galvanized steel framed platform, grating and handrails; refer to structural sheets. New roofing system continues underneath platform."
3. Revise roof plan at location of new chiller per attached Sketch ASK-02.
4. Under Scope of Work, change Note #10 to read: " At Roofs #1 thru #5, rod out and televise all roof drain lines to main in street prior to roofing demolition work and at completion of all roofing replacement work."
5. Under Scope of Work, delete sentence "Clean & rod out all existing ...".
6. At Roof Keynotes, add Keynote #24 as follows: "Replace existing bird screening at perimeter of existing penthouse. Provide hinged screen panel to allow access to dampers (see Mechanical Sheets)."
7. Add Keynote #24 indication to Roof Plan at existing penthouse (south end of Roof #1).

Change 20. Sheet A1.42:

At Detail A9, add the following sentence to New Work Keynote A6: "Grind and point existing mortar joints 100% down to top of roof deck. Replace deteriorated brick (spalled / cracked) with new brick to match existing."

Change 21. Sheet A1.43:

Add Detail J1 to sheet; refer to attached Sketch ASK-01.

Change 22. Sheet A2.20:

1. At Door Schedule, revise Remarks Note #6 to read as follows: "Provide insulated hollow metal door / frame assembly with a STC Rating of 48 minimum."
2. At Door Schedule, add Remarks Note #8 (provide knurled door lever) for Door 223-A.

Change 23. Sheet A2.54:

At Detail 4, add the following note: "Provide emergency speakerphone (ADA compliant). Provide conduit and j-box for phone; phone line by Owner."

Change 24. Sheet A3.10:

At Keynote A4, add the following sentence: "Louver to be supplied by unit ventilator manufacturer. Color shall match new window frame color selected."

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Change 25. **Sheet A5.10:**

At "Wall Partition Legend", add the following sentence: "Partition wall shall be installed up to underside of existing concrete structure above."

Change 26. **Sheet A5.50:**

1. At Detail N13, revise dimension "1'-4"" to read "1'-2"" and dimension "1'-0"" to read "8"".
2. Add Detail A1 to sheet; refer to attached Sketch ASK-02.

Change 27. **Sheet A5.51:**

At Details N1, N5 and N9, change dimension "1'-0"" to read "8"". The quantity of pipes indicated in chase shall be coordinated with mechanical and electrical sheets.

Change 28. **Sheet A6.10:**

At corridor entrance for Women Locker Entry 131 and Men Locker Entry 125, add Keynote A7 to ceiling plan.

Change 29. **Sheet A6.20:**

Revise lighting layout indicated in Rooms 225, 227, 228, 229, 230, 233 and 234 to match layout indicated on Sheet E2.02B.

Change 30. **Sheet A7.10:**

Add the following general note to sheet: "Note: Refer to Sheet A2.54 for additional lift information and requirements."

Change 31. **Sheets S-1.03 and S-1.05:**

Revise Note #4 to read as follows: "Existing roof openings and MEP units are not shown for clarity."

Change 32. **Sheet S-1.04:**

Revise Sheet per attached re-issued drawing; sheet notes and steel platform revised as indicated.

Change 33. **Sheet S-1.06:**

Revise Note #3 to read as follows: "Existing roof openings and MEP units are not shown for clarity."

Change 34. **Sheet S-2.01:**

Revise Sheet per attached re-issued drawing; revised Details 5 thru 9 and added Details 9 thru 12 as indicated.

Change 35. **Sheets M1.00A:**

The location of the existing access door has been adjusted to show it at its current location; see reissued sheet.

Change 36. **Sheet M1.00B:**

The scope of existing flue demolition has been revised to stop demolition at the exterior of the existing chimney; see reissued sheet.

Change 37. **Sheet M1.02B:**

1. Corrected ductwork demolition; see sketch MSK-01.

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Change 38. **Sheet M1.04B:**

1. Clarification of flue demolition. Deleted demolition scope in coordination with item #20.

Change 39. **Sheet M2.00A:**

1. Revision to note #4, 19, 22, and 30 as indicated on reissued sheet.
2. Modify condensate drain and layout; see reissued sheet.
3. Removed note tag #30 from plan; see reissued.

Change 40. **Sheet M2.00A:**

4. Indicate differential pressure transducer; see reissued sheet.
5. Relocate pump P-1; see reissued sheet.
6. Relocate condensate return pipe; see reissued sheet.
7. Modification to section A-A detail; see reissued sheet.
8. Relocate HWS and HWR piping; see reissued sheet.

Change 41. **Sheet M2.00B:**

1. Added pipe sizes to DWS & DWR; see sketch MSK-02.
2. Revise note for existing chimney flue; see sketch MSK-02.
3. Eliminated HW & CHW bridges; see sketch MSK-02.

Change 42. **Sheet M2.01A:**

1. Revision to note #4, 19, 22, and 30; see reissued sheet.
2. Clarification of return air CFM; see reissued sheet.
3. Added electric heaters in the toilets; see reissued sheet.
4. Eliminated convactor units and added cabinet unit heaters in vestibule areas; see reissued sheet.

Change 43. **Sheet M2.01B:**

1. Clarification of return air CFM; see reissued sheet.
2. Eliminated convactor units and added cabinet unit heaters in vestibule areas; see reissued sheet.
3. Clarification of supply air to locker room; see reissue sheet.
4. Revise duct size to supply this area; see reissued sheet..
5. Clarification of outside air through UV units; see reissued sheet.

Change 44. **Sheet M2.02A:**

1. Revision to note #4, 19, 22, and 30; see reissued sheet.
2. Clarification of return air CFM; see reissued sheet.
3. Add electric unit heater in toilet room; see reissued sheet.

Change 45. **Sheet M2.02B:**

1. Clarification of return air CFM; see reissued sheet.
2. Clarification of outside air through UV units; see reissued sheet..
3. Correction of motorized damper label; see reissued sheet.

Change 46. **Sheet M2.03A:**

1. Revision of notes #4, 19, 22, and 30. (The revisions are duplicated from sheet M2.02A and are common to the **MX.XXA** series sheets; see reissued sheet as noted in item #44.)
2. Indicate access panel to motorized damper. Provide 24"x24" access panel in the attic space at the shaft wall positioned to aid in access to the dampers.

Change 47. **Sheet M2.03B:**

Revised note for existing chimney flue. Stainless steel liner shall be provided per the details.

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Change 48. Sheet M2.04A:

Revision of notes 4, 19, 22, and 30. (The revisions are duplicated from sheet M2.02A and are common to the MX.XXA series sheets; see reissued sheet as noted in item #44.)

Change 49. Sheet M2.04B:

Revise note for existing chimney flue. (The revisions are duplicated from sheet M2.02A and are common to the MX.XXA series sheets; see reissued sheet as noted in item #44.)

Change 50. Sheet M4.00:

1. Eliminate chilled water and hot system bridges; see sketch MSK-03.
2. Added chilled water piping isolation valves; see sketch MSK-03.
3. Provide vales for minimum system flow; see sketch MSK-04.

Change 51. Sheet M4.01:

1. Clarification of HWS and HWR piping diagram; see revised sheet.
2. Correction and labels for cabinet unit heater "CUH" and convector units; see reissued sheet.

Change 52. Sheet M5.00:

1. Air handling schedule changed to CPS standards; see reissued sheet.
2. Cooling and Heating coil schedule changed to CPS standards; see reissued sheet.
3. Revised air cooled chiller notes to CPS standards; see reissued sheet.
4. Added cabinet unit heater schedule; see reissued sheet.
5. Four electric unit heaters added to the schedule; see reissued sheet.
6. Expansion tank schedule revised; see reissued sheet.

Change 53. Sheet M5.01:

1. Revised connector schedule; see reissued sheet.
2. Unit ventilator schedule changed to CPS standards; see reissued sheet.

Change 54. Sheet M5.02:

1. Balanced damper schedule separated from control damper schedule; see reissued sheet.
2. Revised balancing damper schedule; see reissued sheet.
3. Revised control damper schedule; see reissued sheet.
4. Revised pressure fill system; see reissued sheet.
5. Revised P-1 and P-2 in pump schedule; see reissued sheet.

Change 55. Sheet M5.03:

Revised air quantities in various rooms; see reissued sheet.

Change 56. Sheet M5.04:

Revised air quantities in various rooms; see reissued sheet.

Change 57. Sheet M6.00:

1. Revised detail #2 and #13; see sketches MSK-06 and 07.
2. Added note "The false back must be supplied by the unit ventilator manufacturer. False back must be insulated. Provide coil drain pan" to detail 2/M6.00; see sketch MSK-07.

Change 58. Sheet M6.01:

1. Revised detail #5; see sketch MSK-05.
2. Delete Boiler Stack Detail 3/M6.01; see sketch MSK-08.

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3. Added note "Boiler flue to be pitched ¼" per foot back to the boiler" and "Size drain line from boiler and flue at least as large as the connection at the boiler and flue."; see sketch MSK-05.

Change 59. **Sheet M6.02:**

Modified detail #1,#2,#3 and #7; see reissued sheet.

Change 60. **Sheet M7.03:**

Added note for control diagram: "Provide averaging sensor for data."

Change 61. **Sheet M7.05:**

1. Eliminated HW and CHW system bridges; see reissued sheet.
2. Added control details; see reissued sheet.

Change 62. **Sheet M7.06:**

1. Adjusted note for "CO Controlled Exhaust Fan" detail to remove term "HW" from title.
2. Delete "Electrical SubMetering" detail.

Change 63. **Sheet M7.07:**

Added sheet M7.07 - Control Diagram to bid set; see new sheet.

Change 64. **Sheets E1.00B:**

Delete existing pole mounted transformers and associated electrical service; see ESK-15.

Change 65. **Sheet E2.00A:**

1. Added three new type F2 lighting fixtures.
2. Added electrical connection for BP-1 in furnace room.

Change 66. **Sheet E2.00B:**

1. Added new pad mounted utility service transformer; see sketch ESK-01.
2. Added new transformer T-2 in switchboard room; see sketch ESK-01.
3. Revised size of new switchboard MSB-1 to 2,000 amps; see sketch ESK-01.
4. Revised lighting location and quantities in boiler room; see sketch ESK-02.
5. Added electrical connections to unit heaters EH-9 and EH-10; see sketch ESK-02.
6. Added electrical connections to unit heaters EH-11 and EH-12; see sketch ESK-02.

Change 67. **Sheet E2.02B:**

Added key note #1 to existing panel boards and associated feeders for existing electrical equipment in Mechanical Rm. 223 due to new HVAC equipment; see sketch ESK-03.

Change 68. **Sheet E4.00:**

Deleted existing incoming utility service feeder to existing switchboard MSB-2; see sketch ESK-04.

Change 69. **Sheet E4.10:**

Added new electrical feeder to existing switchboard MSB-2; see sketch ESK-05.

Change 70. **Sheet E4.20:**

1. Revised switchboard MSB-2 ampere rating to 2,000 amps; see sketches ESK-06 and 07.
2. Added branch breaker and associated feeders to new transformer T-2; see sketches ESK-06 and 07.
3. Added transformer T-2 to transformer schedule; see sketches ESK-06 and 07.

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Change 71. **Sheet E5.00:**

1. See revised sheet E5.00. Added electrical connection and feeders to the following equipment:
 - a. AHU-2 supply fan
 - b. AHU-2 return fan
 - c. AHU-3 supply fan
 - d. BP-1
 - e. EH-9, EH-10, EH-11, and EH-12
 - f. CUH-1, CUH-2, CUH-3, CUH-4, CUH-5, CUH-6, and CUH-7.

Change 72. **Sheet E5.01:**

1. Added new circuit breaker in panel DP-1 to feed booster pump BP-1; see sketch ESK-08.
2. Revise main circuit breaker in new MSB-1 to 2,000 amps; see sketch ESK-09.
3. Added new circuit breaker in new MSB-1 to serve existing MSB-2; see sketch ESK-09.

Change 73. **Sheet E5.02:**

Revised lighting fixture types F1 and F2 in lighting fixture schedule; see sketch ESK-10.

Change 74. **Sheet E6.00:**

Added primary and secondary underground power ductbank sections #7 and #8; see sketches ESK-11 and 12.

Change 75. **Sheet E6.01:**

1. Added pad mounted transformer pad detail; see sketch ESK-13.
2. Added gym scoreboard schematic wiring diagram; see sketch ESK-14.

Change 76. **Sheet P1.01A:**

Added floor drain demolition from air tunnel; see sketch PSK-01.

Change 77. **Sheet P2.01A:**

Added new floor drain outside of air tunnel; see sketch PSK-02.

Change 78. **Sheets P2.01A& P2.01B:**

Added note to "See HVAC plans for condensate piping."

Change 79. **Sheet P2.02B:**

Adjusted floor plan to match Architectural with new shower fixture; see sketch PSK-03.

Change 80. **Sheet P2.03B:**

Changed mechanical room floor drains to FD-2.

Change 81. **Sheet P5.00:**

1. Added shower fixture schedule; see sketch PSK-04.
2. Added model number to duplex booster pump schedule; see sketch PSK-05.
3. Added notes to sewage ejector schedule with clarifications to match plans; see sketch PSK-05.
4. Added FD-2 to floor drain schedule "JR Smith 2210 with sediment bucket; see sketch PSK-06.

Change 82. **Sheet P6.00:** Added booster pump detail to match plan; see sketch PSK-07

Change 83. **Sheet ASB 2.0:**

At Abatement Keynotes, change Keynote "6" number designation to read "8".

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Change 84. Sheet ASB 3.0:

At Abatement Keynotes, change Keynote "6" number designation to read "8".

QUESTIONS & ANSWERS:

Question 1: *Is this a sprinkler building? If not it will require full smoke detection that is not shown. If class 1 fire alarm there should be a bell at both panel and annunciator (not shown in print).*

Answer 1: The building does not have sprinkler. The fire alarm system is Class 1 as indicated in Specification Section 16721. Full detection devices will be shown in Addendum #01.

Question 2: *2.03H lists all of the optional equipment available for the scoreboard. Several of these items cannot coexist, are not shown on the plans, and all may not be required. Please indicate which options are required. 2.04G lists all of the optional equipment available for the scoring console. Please indicate which options are required.*

Answer 2: At paragraph 2.03H, only Option #6 will be required. Delete paragraph 2.04G.

List of Attachments:

SPECIFICATIONS:

Section 16145 - Lighting Control Devices (11 pages)

Section 16289 - Transient Voltage Suppression (9 pages)

Section 16461 - Low Voltage Transformers (6 pages)

SKETCHES:

ASK-01 - Roof Detail J1/A1.43

ASK-02 - Roof Plan / A1.40

ASK-03 - Detail A1/A5.50

MSK-01 - Demo Plan / M1.02B

MSK-02 - Boiler Plan / M2.00B

MSK-03 - Water Flow Diagram / M4.00

MSK-04 - Water Flow Diagram / M4.00

MSK-05 - Detail 5 / M6.01

MSK-06 - Detail 13 / M6.00

MSK-07 - Detail 2 / M6.00

MSK-08 - Detail 3 / M6.01

ESK-01 - Basement Plan / E2.00B

ESK-02 - Basement Plan / E2.00B

ESK-03 - Second Floor Plan / E2.02B

ESK-04 - Riser Diagram / E4.00

ESK-05 - Riser Diagram / E4.10

ESK-06 - Riser Diagram / E4.20

ESK-07 - Riser Diagram / E4.20

ESK-08 - Electrical Schedule / E5.01

ESK-09 - Electrical Schedule / E5.01

ESK-10 - Electrical Schedule / E5.02

ESK-11 - Detail 7 / E6.00

ESK-12 - Details 7 and 8 / E6.00

ESK-13 - Detail 2 / E6.01

ESK-14 - Detail SB-1 / E6.01

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ESK-15 - Basement Demo Plan / E1.00B
PSK-01 - Basement Plan / P1.01A
PSK-02 - Basement Plan / P2.01A
PSK-03 - Basement Plan / P2.02B
PSK-04 - Plumbing Schedule / P5.00
PSK-05 - Plumbing Schedule / P5.00
PSK-06 - Plumbing Schedule / P5.00
PSK-07 - Detail 4 / P6.00

DRAWINGS:

Sheet S-1.04 - Partial Existing Roof Framing Plan
Sheet S-2.01 - Sections & Details
Sheet M1.00A - Basement Demo Plan Mechanical
Sheet M1.00B - Basement Demo Plan Mechanical
Sheet M2.00A - Basement Plan Mechanical
Sheet M2.01A - First Floor Plan Mechanical
Sheet M2.01B - First Floor Plan Mechanical
Sheet M2.02A - Second Floor Plan Mechanical
Sheet M2.02B - Second Floor Plan Mechanical
Sheet M4.01 - Water Riser Diagram
Sheet M5.00 - Mechanical Schedules
Sheet M5.01 - Mechanical Schedules
Sheet M5.02 - Mechanical Schedules
Sheet M5.03 - Mechanical Schedules
Sheet M5.04 - Mechanical Schedules
Sheet M6.02 - Mechanical Details
Sheet M7.05 - Control Diagram
Sheet M7.07 - Control Diagram
Sheet E5.00 - Electrical Schedules

END OF ADDENDUM NO.01