

ADDENDUM NO. 1

July 20, 2021

This Addendum contains changes to the requirements of the Contract Documents and Specifications. 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 document. Wherever this Addendum modifies a portion of a paragraph of the specifications or a portion of any Drawing, the remainder of the Paragraph or Drawing shall remain in force.

NOTE: Provisions of all Contract Documents apply.

Item 1. **ADD** Section 01 21 00 – Allowances, attached.

Item 2. Drawing A-102, A-102 Keyed Demolition Note 1

DELETE Note 1 in its entirety.

REPLACE with

1. REMOVE AND DISPOSE OF VCT FLOOR FINISH DOWN TO CONCRETE DECK. REMOVE ADHESIVE AND PREPARE FLOORING FOR FLASH PATCHING AND AS REQUIRED FOR INSTALLATION OF NEW FLOOR FINISH, AS PER FLOORING MANUFACTURER'S REQUIREMENTS.

Item 3. Drawing A-104, A-104 Keyed Renovation Note .G4

DELETE Note .G4 in its entirety.

REPLACE with

- .G4 GENERAL: INSTALL SELF-LEVELING FLOORING UNDERLAYMENT "ARDEX FEATHER FINISH" OR EQUIVALENT TO FLASH PATCH, AND PREPARE FLOOR AS REQUIRED BY NEW FLOORING MANUFACTURER'S REQUIREMENTS.

Item 4. Drawing A-104, A-104 Keyed Renovation Note 10

ADD the following to Note 10:

“FLAMMABLE STORAGE CABINETS WITH SELF CLOSING HINGES, VENTED ACID STORAGE CABINETS, AND VENTED BASE STORAGE CABINETS BY THE SAME CASEWORK MANUFACTURER.”

Item 5. Drawing A-104, A-104 Keyed Renovation Note 16

ADD the following to Note 16:

“ADDITIONAL ACCEPTABLE MANUFACTURERS FOR ACCESSIBLE (BARRIER FREE) FUME HOODS ARE AS FOLLOWS: BEDCOLAB FULLY ACCESSIBLE FUME HOOD (VBH), JAMESTOWN F-100 SERIES ISOLATOR GEN-5, AND LABCONCO PROTECTOR XL.”

Item 6. Drawing A-104, A-104 Keyed Renovation Note 18

ADD the following to Note 18:

“ADDITIONAL ACCEPTABLE MANUFACTURERS FOR GENERAL PURPOSE FUME HOODS ARE AS FOLLOWS: BEDCOLAB BALANCED AIR VARIABLE AIR VOLUME (VBV), JAMESTOWN F-100 SERIES ISOLATOR GEN-5, KEWAUNEE SUPREME AIR H05, AND LABCONCO PROTECTOR PREMIER.”

Item 7. Drawing A-104, A-104 Keyed Renovation Note 21

ADD the following to Note 21:

“BASIS OF DESIGN PRODUCT: BLACKOUTCURTAINS.COM, CEILING MOUNT, BLACK/BLACK TEXTRON, INCLUDING ALUMINUM TRACK, STANDARD VALANCE, SPLIT WITH VELCRO OVERLAP.”

Item 8. Drawing M-301: Points/Alarms List Point Number 30 – Lighting Vacancy Sensing,
Drawing M-302: Points/Alarms List Point Number 24 – Lighting Vacancy Sensing,
Drawing M-303: Points/Alarms List Point Number 23 – Lighting Vacancy Sensing,
Drawing M-304: Points/Alarms List Point Number 16 – Lighting Vacancy Sensing, and
Drawing M-305: Points/Alarms List Point Number 28 – Lighting Vacancy Sensing

DELETE “WALL MOUNT LIGHTING VACANCY SENSOR”

Item 9. Drawing A-110, Detail 5 - Interior Elevation Window Shelving

ADD the following note:

“TYPICAL WINDOW SHELVING FOR LABS 203/203B AND 209/209B. WINDOW SHELVING FOR 245/245B IS SIMILAR, BUT WITH ONE ADDITIONAL OPEN SHELVING UNIT DUE TO THE LACK OF A BACK DOOR. VERIFY DIMENSIONS IN FIELD.”

- Item 10. Drawing M-301: Points/Alarms List Point Number 27 – HVAC Space Occupancy Sensing,
Drawing M-302: Points/Alarms List Point Number 16 – HVAC Space Occupancy Sensing,
Drawing M-303: Points/Alarms List Point Number 25 – HVAC Space Occupancy Sensing,
Drawing M-304: Points/Alarms List Point Number 7 – HVAC Space Occupancy Sensing, and
Drawing M-305: Points/Alarms List Point Number 19 – HVAC Space Occupancy Sensing

ADD the following note:

“CEILING MOUNT OCCUPANCY SENSING SHALL BE USED FOR HVAC OCCUPANCY SENSING AND LIGHTING VACANCY SENSING.”

- Item 11. Drawing M-301: Points/Alarms List Point Number 29 – Lighting Manual Dimming,
Drawing M-302: Points/Alarms List Point Number 23 – Lighting Manual Dimming,
Drawing M-303: Points/Alarms List Point Number 22 – Lighting Manual Dimming,
Drawing M-304: Points/Alarms List Point Number 15 – Lighting Manual Dimming, and
Drawing M-305: Points/Alarms List Point Number 27 – Lighting Manual Dimming

DELETE the one (1) Analog Input Point

REPLACE with three (3) Digital Input Points.

- Item 12. Drawing M-502, Laboratory Airflow Control Device Schedule, Specs Note 1

ADD “CRC” to the acceptable manufacturers.

- Item 13. Drawing M-502, Laboratory Airflow Control Device Schedule

ADD Spec Note 5

5) PROVIDE ALL NECESSARY DEVICES, CONTROLS AND WIRING AS NEEDED TO PROVIDE A COMPLETE AND FUNCTIONAL SYSTEM; INCLUDING ANY ACCESSORY DEVICES NEEDED TO ALLOW DUCT SYSTEM PRESSURE RESET STRATEGIES TO BE EMPLOYED.

- Item 14. Drawings E-105 and E-106, Keyed Renovation Note 2

ADD the following to Note 2:

“PROVIDE LIGHTING LOAD POWER PACK RELAY(S) WHERE NEEDED (BOD LEVITON OSP20-RDH) TO COORDINATE LIGHTING CONTROLS WITH THE BACS.”

- Item 15. Drawing E-105, Keyed Renovation Notes 3, 6, and 7; and
Drawing E-106, Keyed Renovation Notes 3 and 6

DELETE "...0-10V DIMMING WALL SWITCH OCCUPANCY SENSOR, WATTSTOPPER
PW-311-W-U (120/277V)..."

REPLACE with "...3-BUTTON LOW VOLTAGE 0-10V DIMMING WALL SWITCH
(BOD WATTSTOPPER LVSW-103-W)..."

- Item 16. Drawings E-105 and E-106, Keyed Renovation Note 4

DELETE "...WATTSTOPPER RADIANT 010V LED DIMMER WHITE CAT.
NO. RH4FBL3PW..."

REPLACE with "...3-BUTTON LOW VOLTAGE 0-10V DIMMING WALL SWITCH
(BOD WATTSTOPPER LVSW-103-W)"...

- Item 17. Drawing E-105 and E-106, Keyed Renovation Note 5

DELETE "...WATTSTOPPER LIGHTSAVER LS-102 SWITCHING PHOTOSENSOR (DAY
LIGHTING HARVESTING SENSOR) AND POWER PACK..."

REPLACE with "...LOW VOLTAGE DAYLIGHT SENSOR WITH CONTINUOUS
DIMMING CONTROL (BOD IR-Tec BPD-512S)..."

- Item 18. RFI Questions and Clarifications

See attached RFI Log (Items 1 - 15)

Attachments: Section 01 21 00 Allowances
RFI Log (Items 1-15)

****END OF ADDENDUM 1****

SECTION 01 21 00 ALLOWANCES

1.0 GENERAL

1.1 RELATED DOCUMENTS

- A. This Section describes Allowances to be carried in the Base Bid by the Contractor.
- B. Drawings and general provisions of the Contract, including General Conditions and other Division 01 Specification Sections, apply to this Section.
- C. The Specification Section containing the pertinent requirements of materials and methods to achieve the Work described herein. Selected materials and equipment are specified in the Contract Documents by allowances.

1.2 SUMMARY

- A. Definition: An allowance is an amount determined by the Owner or calculated by the Contractor based on given quantities and stated on the Bid Proposal Submission Form.
- B. Certain items are specified in the Contract Documents by allowances. Allowances have been established in lieu of additional requirements and to defer selection of actual materials and equipment to a later date when direction will be provided to the Contractor. Items covered by these allowances shall be supplied for such amounts and by such persons as the Owner may direct. All uses of the allowances will require the prior written approval of the Owner via a Field Change Authorization.
- C. Types of Allowances may include:
 - 1. Lump Sum Allowance
 - 2. Unit Price Allowance

1.3 SELECTION AND PURCHASE

- A. At the earliest practical date after award of the Contract, advise the Architect of the date when final selection and purchase of each product or system described by an allowance must be completed to avoid delaying the Work. The Contractor shall provide the Owner fourteen (14) calendar days minimum notification of date.
- B. At the Owner's request, the Contractor shall obtain proposals for each allowance for use in making final selections. The Contractor shall include recommendations that are relevant to performing the work.
- C. The Contractor shall purchase products and systems selected by the Architect and Owner from the designated supplier.

1.4 SUBMITTALS

- A. Submit proposals for purchase of products or systems included in allowances, in the form specified for Change Orders.
- B. Submit invoices or delivery slips to show actual quantities of materials delivered to the site for use in fulfillment of each allowance.
- C. Submit time sheets and other documentation to show labor hours and cost for installation of allowance items that include installation as part of the allowance.
- D. Coordinate and process submittals for allowance items in the same manner as for other portions of the work.

1.5 COORDINATION

- A. Coordinate related Work and modify or adjust adjacent Work as necessary to ensure that Work affected by each accepted allowance is complete and fully integrated into the Project.
- B. The Contractor shall include the dollar value of each scheduled allowance number as a separate line item in the Schedule of Values and identify each allowance with Section number 01 21 00.
- C. The Owner shall provide the Contractor with a Field Change Authorization prior to proceeding with the Work of an allowance.

1.6 LUMP SUM AND UNIT PRICE ALLOWANCES

- A. Allowances shall include cost to the Contractor of specific products and materials ordered by the Owner or selected by the Architect under allowance and shall include applicable taxes, freight, and delivery to the Project site.
- B. Included as part of each allowance are miscellaneous devices, accessory objects or similar items incidental to or required for a complete installation whether or not mentioned as part of the allowance.
- C. Unless otherwise indicated, Contractor's cost for receiving and handling at Project site, labor, installation, overhead and profit, and similar costs related to products and materials ordered by the Owner or selected by the Architect under allowance shall be included as part of the Contract Sum and not part of the allowance.
- D. Unused Materials: Return unused materials purchased under an allowance to the manufacturer or supplier for credit to the Owner, after installation has been completed and accepted.
 - 1. If requested by the Owner, retain and prepare unused materials for storage by the Owner. Deliver unused material to Owner's storage space as directed.

1.7 ADJUSTMENT OF ALLOWANCES

- A. Allowance Adjustment: To adjust allowance amounts and scope of work, prepare a Change Order proposal based on the difference between purchase amount and the allowance, multiplied by final measurement of work-in-place where applicable. If applicable, include reasonable allowances for cutting losses, tolerances, mixing wastes, normal product imperfections, and similar margins.
 - 1. Include installation costs in purchase amount only where indicated as part of the allowance.
 - 2. Prepare explanation and documentation to substantiate distribution of overhead costs and other margins claimed.
 - 3. Submit substantiation of a change in scope of work, if any, claimed in Change Order related to unit-cost allowance.
 - 4. Owner reserves the right to establish the quantity of work-in-place by independent quantity survey, measure, or count.
- B. Submit claims for increased costs because of a change in scope or nature of the allowance described in the Contract Documents, whether for the purchase order amount or Contractor's handling, labor, installation, or overhead and profit. Submit claims in accordance with General Conditions – Changes in Work within twenty-one (21) days of receipt of Field Change Authorization authorizing work to proceed. The Owner will reject claims submitted later than twenty-one (21) days after such authorization.
 - 1. Do not include Contractor's or subcontractor's indirect expenses in the Change Order cost amount unless it is clearly shown that the nature or extent of work has changed from what could have been foreseen from information in the Contract Documents.
 - 2. No change to Contractor's indirect expenses is permitted for selection of higher or lower priced materials or systems of the same scope and nature as originally indicated.

2.0 PRODUCTS – NOT USED

3.0 EXECUTION

3.1 EXAMINATION

- A. Examine products covered by an allowance promptly on delivery for damage or defects. Return damaged or defective products to manufacturer for replacement.

3.2 PREPARATION

- A. Coordinate materials and their installation for each allowance with related materials and installations to ensure that each allowance item is completely integrated and interfaced with related work.

3.3 SCHEDULE OF ALLOWANCES

- A. Allowance No. 1:
Lump Sum Allowance: Include the sum of \$2,500 to cover the fire rated partitions work identified in Drawing A-104, Keyed Renovation Note 1.

*****END OF SECTION 01 21 00****

RFI Form

RFI/ Response Index	Page/ Dwg./Spec./Rep. Number	Section/ Paragraph/Topic	RFI	Design Team Response
1	M-502		Can Critical Room Control (CRC) be added as an acceptable manufacturer to 'Laboratory Airflow Control Device Schedule' on M-502 per the forthcoming update to the campus standards?	See Addendum No.1, Item 12.
2	A-104		Would Hamilton be an approved substitute for casework manufacturer?	See Addendum No. 1, Items 5 and 6 for additional acceptable fume hood manufacturers. Laboratory casework and fumehoods should be provided from the same manufacturer.
3	A-104		Keyed note 1 on A-104, states to fill in any open penetrations in the entirety of the walls. How many penetrations are we talking? Can you provide a allowance for the fire-stopping?	See Addendum 1, Item 1 adding an Allowance.
4	A-601		Is CU providing the door hardware for the doors and frames they are providing	The door / hardware schedule on A-601 correctly describes the scope. Doors listed as "NIC - Installed by CU" are existing doors to remain. CU will add card readers to these existing doors.
5	A-104		Please provide spec for Flammable Storage Cabinet, Acid Storage Cabinet, and Base Storage Cabinet	See Addendum 1, Item 4
6	A-110		Is window shelving required in Rm 209,209B,245,245B?	See Addendum 1, Item 9
7	A-104		Please provide a spec for the blackout curtain in Rm 224.	See Addendum 1, Item 7
8	A-104		Upon inspection of fire rated partitions, what is to be done if deficiencies are discovered? Should an allowance for repair be included?	See Addendum 1, Item 1
9	A-102		Note 1 Has us removing remaining Non- Hazardous Floor Finish. What type of flooring is the Non-Hazardous flooring? How much of this flooring is remaining?	See Addendum 1, Item 2
10	A-104		Do you want a self leveling underlayment for the entire project area or flash patching as required by the manufacturer?	See Addendum 1, Item 3
11	P-102		Request to provide us isometric diagrams to clarify some key notes in drawing P-101 (demo) and particularly drawing P-102 (renovation). my/our concerns in regards to demo shown on P-101 where piping in lab casework walls are to be removed. On drawing P-102 there were no new piping shown on lab casework area where pipes are removed. If my understanding is correct, some pipes in lab case work are for reconnections but on drawing P-102, that was not clear to us. We see new piping only for eyewash and sinks. Please clarify.	The plumbing scope is very small on this project and does not warrant isometric drawings. Piping was not shown to avoid having the drawings look congested. The Keyed Renovation notes adequately cover the scope of plumbing piping work involved.
12			For the lighting controls, is the intent to have the controls contractor (Div. 23) install and wire them or to have the Div. 26 contractor? The lighting controls would be wired to the ALC controllers also being used to control the HVAC equipment and lab valves.	The drawings indicate that this work should be coordinated between Division 26 and Division 23. 120/277 Volt devices, wiring, and conduit by Division 26. 24V low voltage devices, wiring, and conduit by Div 23 (BACS vendor).
13			There appears to be labs where there are no occupancy sensors, such as Lab 203, 203B, 209, 209B, 245, 245B. Are these missing from the lighting drawings?	See Addendum 1, Items 8, 10, and 15

RFI/ Response Index	Page/ Dwg./Spec./Rep. Number	Section/ Paragraph/Topic	RFI	Design Team Response
14			The specified PW-311-W dimming wall switch/occupancy sensor is a 120/277V device that would not be compatible with an ALC controller. In the past at Cornell, we've used a low voltage Wattstopper LVSW-103 (3 button wall switch) and a ceiling mounted CI-24 occ. sensor to provide the same functionality. In addition, the CI-24 provides 1200 sq. ft. coverage vs. 525 sq. ft. for the PW-311-W. Would this be acceptable for this project in lieu of the specified product?	See Addendum 1, Items 11 and 15
15			The specified RH4FBL3PW wall dimmer is a 120/277V device, in the past at Cornell we've used the low voltage Wattstopper ADF-120277 wall dimmer to provide the same functionality. Would this be acceptable?	See Addendum 1, Items 11 and 16