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Office of Procurement Services

**Date: July 20, 2021**

**Addendum #1**

**RFB 21-14 Micro Phase II and III and Venturelink**

**Question #1**

Please confirm what the bid bond for this project is? It is not indicated in specs or bid advertisement.

**Answer#1**

Please see pages 6 & 7 "Bonds" in the bid document.

**Question #2**

Please confirm start date for these projects.

**Answer #2**

The project will start immediately upon execution of contract(s).

**Question #3**

Are these projects occurring at the same time?

**Answer #3**

Yes.

**Question #4**

Scope: Casework at Translation Lab

Can you tell me the schedule for this project?

**Answer #4**

Project schedule is as per Bid requirements.

**Question #5**

Scope: Casework at Translation Lab

On A9.20/3, there is a solid surface section. Where does this occur?

**Answer #5**

The Formica locations are described in the interior finish material scheduled and are called out on the millwork drawings. But to clarify, I have listed each below.

L1 – Color core is for countertop surface (horizontal surface) only ( see image ). This is used in case the counter gets damaged by someone in the Lab. The color will show continuous all the way through, and you will not see the brown.

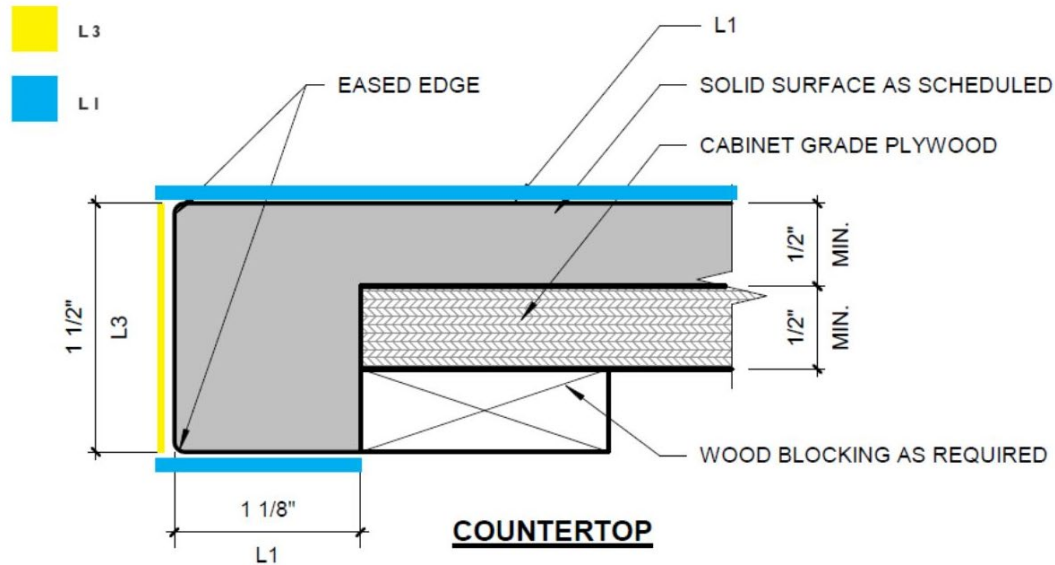
L2 – is for all exterior vertical surfaces within the lab area (except for the countertop edge, highlighted in yellow)

L3 – is for the countertop edge only in the lab areas. Not the conference room.

L4- will be used for the conference room bench and cabinet only. It will not be used in the Lab.

L5 – All interior draws/cabinets will have a red interior accent. No red on the exterior millwork.

General NOTE: All lab millwork will be white outside with a red interior accent and the plywood Formica on the countertop surface edge. The conference room will have a wood look on the outside with a red interior. Refer to A9.20 Elevations for additional information.



**Question #6**

Please provide the Contract, and General Conditions and any Supplementary Conditions. Specifications reference these documents and could not be found within the links for the RFB.

**Answer #6**

This information will be provided to the awarded contractor.

**Question #7**

Does DPMC Classifications apply to this RFB for General Contractor and Subcontractors?

**Answer #7**

No.

### Question #8

Lighting

- a. E1.01 has the emergency L1 fixture described as a Pendant mounted fixture. It appears that this should be a 2x2 lay in?

### Answer #8

The lighting fixture type and description have been updated. Refer to the attached updated drawing E1.01.

### Question #9

Can an overall roof plan be issued to allow us to see the relationship of the Penthouse where panel MIC resides and the VFD's we are reenergizing.

- a. Also clarify the how we are to run these feeds.
  - i. How the feeds are to run; On the roof or through the building?
  - ii. How does the building structure between column lines J & K affect the route to the FMH Penthouse.

### Answer #9

Contractor shall route the conduits on the roof. Provide required support. Existing drawings are attached here with for reference.

### Question #10

Can drawings be issued to allow us to figure out the routes & distances for the new feeders from New Panel MIC in the FHM Penthouse to the Basement?

### Answer #10

Existing drawings are attached here with for reference.

### Question #11

1. E2.01

- a. Plan 1 – AHU-2 has a receptacle shown with Note #8 – to wire to Panel '**RPB**'. Please confirm this should read '**RPG**'.
- b. Plan 1 – AHU-2 – Note 7 – states to wire to panel PP-1. Please provide the location of this panel.

- c. Plan 1 – Note #5 regarding the new 3p-110a breaker to be installed in the existing Switchboard, if a picture of the main tag on the switchgear can be issued it may help in obtaining the correct type of breaker.
- d. Plan 3 – refers to a “New Bus Duct” @ Column C/3. Please confirm that this is NOT part of the project.
- e. Plan 3 – the 3p-70 fusible bus plug that is feeding the ATS & Panel Mic – Please clarify the manufacturer/voltage/type of the existing bus duct.

**Answer #11**

The panel is ‘RPB’ Location is attached.(E2.01)

The location of the panel is attached. (E2.01)

The picture of the main switchgear is attached.

New bus duct is not part of this project. It was intent to show the location of busduct.

Voltage-480V/ Manufactured by Siemens.

**Question #12**

- 1. E3.01  
Detail 1 – clarify the size and number of conductors to be installed in the 1” conduit between ATS-3 & the Generator control panel.

**Answer #12**

Minimum Ten (10) #14 AWG conductors required.

**Question #13**

- 1. Security
  - a. The door elevations on A7.00 stat to run the conduit to a cable support system. Can we assume we are stubbing the conduit to above the closest accessible ceiling. Then security cable will be run free air to the security panel?
  - b. Clarify if the conduit is limited to stub up to above accessible ceiling or if it is a full conduit run back to the security panels.
    - i. If full runs from doors to panel pleas identify the security panel locations.
  - c. Confirm EC to provide conduit with pull string for others to install the security cabling and equipment.
  - d. The “Motor Rated Switch” being shown at the header of each door; please clarify the product you are looking for?

- i. Security consultant may want to review. Seems like this is a low voltage door release or door contact and not a 110v circuit.

### **Answer #13**

- a. Correct, Conduit is only needed to above accessible ceiling.
- b. Conduit is limited to stub up. Security Panel will be housed in Electrical Closet 406
- c. Confirmed, Security cabling and equipment will be supplied by Security Vendor
- d. Door wiring diagrams are conceptual, Refer to Door Hardware specifications for actual product requirements and specifications.

#### **GENERAL NOTES:**

- 1. REFER TO ELECTRICAL DOCUMENTS FOR ADDITIONAL INFORMATION.
- 2. GC IS RESPONSIBLE FOR CARD READER WIRING AND MOUNTING. COORDINATE WITH OWNER AND DOOR MANUFACTURER.

### **Question #14**

- 1. A1.04 – Detail 3
  - a. This plan is showing electrical outlets on Emergency power. Not reflected on the electrical drawings.
    - i. Please clarify scope of work & EM Panel circuits, location & panel schedule.
  - b. This plan is showing ladder rack being added to this IDF closet.
    - i. Clarify the size & type of rack we are to match.

### **Answer #14**

We have indicated L6-30R, 250V receptacles on drawing E2.01 addendum#1 as per the below-attached markup. Emergency power cannot be provided, since there is no emergency power available in the building.

See IT/DATA scope document in the specifications (After architectural spec 122413) for rack type & quantity.

### **Question #15**

- 1. Rooms 401 & 405A have flush floor boxes shown.
  - a. Please clarify the empty conduit requirements for Data & A/V cabling.
  - b. Confirm these are to be recessed into the floor and conduits to be chopped & chased in slab to walls. Or,
    - i. Are poke-thru's with conduit on floor below needed?

### **Answer #15**

These empty conduits will be utilized by the AV integrator to run video, audio, and control wiring between the AV rack locations and AV equipment locations. In 401 the floor-box will be under the conference room table, from an AV perspective it makes no difference to us if the box is flush or sits above the finished floor. Floorbox in 401 will need to be adequately sized to accommodate 10 XLR microphone connections and 3 AV CAT6 connections. AV Rack in 401 will also be sending a video extension feed through conduit to other displays in suite for digital signage. These are shown in the AV markup sketch on E2.01 (dated 04/07/2021)

Poke thrus with conduit to the floor below would be acceptable, but conduit should still be continuous if possible. Recessing conduit into the slab is not necessary if poke-thrus to the floor below are less expensive.

### **Question #16**

1. Ceiling outlet?
  - a. Room 405A shows what appears to be a ceiling mounted outlet at the end of the conference room table un-circuited. This symbol is in other rooms as well.
    - i. Is this supposed to receive power?
    - ii. Clarify overall scope/item.

### **Answer #16**

The camera which is to be located below the displays in 401 Conference Room will need to receive power from an outlet designated for the flat panel displays. In 406A (Laboratory) The camera will be mounted above the display and receive power from the outlet designated for the flat panel display. In 406B (Patient Study room) the camera will be mounted above the display and receive power from the outlet designated for the flat panel display. These cameras will also be connected to each room's respective AV rack via conduit for video signal transmission.

### **Question #17**

1. Riser
  - a. Please provide floor plans to allow us to take off the feeder from the basement switchboard to the 4<sup>th</sup> floor new panel PP-LAB. Or,
    - i. Dictate length for bidders to carry until route & length can be verified.

**Answer #17**

See response to Question #10.

**Question #18**

1. Need a fixture specification for the sink and faucet in room 405A & the sink in room 405B?

**Answer #18**

See Cut sheets for faucet and sink attached.

**Question #19**

Please provide FA vendor contact information?

**Answer #19**

Siemens Industry, Inc. Ph. No: 973-593-2600.

**Question #20**

Lighting

- a. E1.01 has the emergency L1 fixture described as a Pendant mounted fixture. It appears that this should be a 2x2 lay in?

**Answer #20**

See Answer to Question #8.

**Question #21**

Can an overall roof plan be issued to allow us to see the relationship of the Penthouse where panel MIC resides and the VFD's we are reenergizing.

- a. Also clarify the how we are to run these feeds.  
How the feeds are to run; On the roof or through the building?



How does the building structure between column lines J & K affect the route to the FMH Penthouse.

**Answer #21**

See Answer to Question #9.

**Question #22**

Can drawings be issued to allow us to figure out the routes & distances for the new feeders from New Panel MIC in the FHM Penthouse to the Basement?

**Answer #22**

See Answer to Question #10.

**Question #23**

E2.01

- a. Plan 1 – AHU-2 has a receptacle shown with Note #8 – to wire to Panel '**RPB**'. Please confirm this should read '**RPG**'.
- b. Plan 1 – AHU-2 – Note 7 – states to wire to panel PP-1. Please provide the location of this panel.
- c. Plan 1 – Note #5 regarding the new 3p-110a breaker to be installed in the existing Switchboard, if a picture of the main tag on the switchgear can be issued it may help in obtaining the correct type of breaker.
- d. Plan 3 – refers to a "New Bus Duct" @ Column C/3. Please confirm that this is NOT part of the project.
- e. Plan 3 – the 3p-70 fusible bus plug that is feeding the ATS & Panel Mic – Please clarify the manufacturer/voltage/type of the existing bus duct.

**Answer #23**

See Answer to Question #11.

**Question #24**

E3.01

- a. Detail 1 – clarify the size and number of conductors to be installed in the 1" conduit between ATS-3 & the Generator control panel.

**Answer #24**

See answer to Question #12.

### **Question #25**

Please clarify Finish Note 6 on A10.04, note reads "Refer to architectural specifications and drawing Series A1000 for all interior finishes." Confirm correct drawing to reference is A10.01.

### **Answer #25**

This is correct "Series A1000". However, it is N/A because we only have one sheet for the finishes in the 1000 series. A10.04 is the only finish schedule location.

### **Question #26**

Please forward specifications for storefront wall at Data Collection/Electronics Testing room.

### **Answer #26**

GC can use whatever glazing company they want (All action architectural metal & glass, Elliott glass company INC, etc.) as long as it meets the requirements within the construction documents.

### **Question #27**

Security

- a. The door elevations on A7.00 state to run the conduit to a cable support system. Can we assume we are stubbing the conduit to above the closest accessible ceiling. Then security cable will be run free air to the security panel?
- b. Clarify if the conduit is limited to stub up to above accessible ceiling or if it is a full conduit run back to the security panels.  
If full runs from doors to panel please identify the security panel locations.
- c. Confirm EC to provide conduit with pull string for others to install the security cabling and equipment.
- d. The "Motor Rated Switch" being shown at the header of each door; please clarify the product you are looking for?  
Security consultant may want to review. Seems like this is a low voltage door release or door contact and not a 110v circuit.

**Answer #27**

See response to Question #13.

**Question #28**

A1.04 – Detail 3

- a. This plan is showing electrical outlets on Emergency power. Not reflected on the electrical drawings.  
Please clarify scope of work & EM Panel circuits, location & panel schedule.
- b. This plan is showing ladder rack being added to this IDF closet.  
Clarify the size & type of rack we are to match.

**Answer #28**

See response to Question # 14.

**Question #29**

Rooms 401 & 405A have flush floor boxes shown.

- a. Please clarify the empty conduit requirements for Data & A/V cabling.
- b. Confirm these are to be recessed into the floor and conduits to be chopped & chased in slab to walls. Or,  
Are poke-thru's with conduit on floor below needed?

**Answer #29**

See answer to Question #15.

**Question #30**

Ceiling outlet?

- a. Room 405A shows what appears to be a ceiling mounted outlet at the end of the conference room table un circuited. This symbol is in other rooms as well.  
Is this supposed to receive power?  
Clarify overall scope/item.

**Answer #30**

See response to Question #16.

**Question #31**

Riser

- a. Please provide floor plans to allow us to take off the feeder from the basement switchboard to the 4<sup>th</sup> floor new panel PP-LAB. Or, Dictate length for bidders to carry until route & length can be verified.

**Answer #31**

See attached floor plans.

**Question #32**

Are the roofs under warranty? if so, please provide manufacturer and roofing company the warranty is under.

**Answer #32**

No...no warranty.

**Question #33**

Is a Performance Bond required to be submitted with the bid as stated in the RFB pages 3 and 10? A Performance Bond is usually submitted from the awarded contractor after the bid. Please confirm.

**Answer #33**

Please see pages 6 & 7 "Bonds" in the bid document.

**Question #34**

Please confirm and give further detail regarding Alternate 1. AS.001 Division 1 General Requirements 5-1.1 states to "Provide floor drains at each emergency shower." Where on P5.01 Plumbing Specifications 1. Work Included C10 states " Acid neutralization tank shall be part of Alternate 1."

**Answer #34**

Alternate #1 Includes two (2) Floor drains inside the Clean Room and the piping to the Acid Neutralization Tank. The Acid Neutralization Tank and the Floor Drain in the Integration Lab are a part of the base projects.

**Question #35**

Please provide supplier contact information for "Phase 2 Equipment Schedule Owner Supplied/G.C. Installed" for equipment cut sheets and installation instructions.

**Answer #35**

Coordinate between Owners representative Alexandra Carreras ([Alexandra.carreras@njit.edu](mailto:Alexandra.carreras@njit.edu)) and Processing.

**Question #36**

Please provide drawing A10.01.

Excerpt from AS.001. - 2 PAINTING 1. Paint and stain colors as per drawing A10.01. and 3. FLOORING

- A. Flooring as indicated on Finish Plan and Legend on Sheet A10.01

**Answer #36**

Flooring as indicated on Finish Plan and Legend on Sheet A10.04.

**Question #37**

Confirm the electrical contractors work is limited to the dark black items shown on E2.02 only.

- a. For example, Panel schedule PP1C is showing a number of items labeled as "RCF-x". Where are these located and is the EC supposed to bring power to them?

**Answer #37**

Contractor shall refer to IPS drawings CRE6.01 & CRE6.02 for scope of work inside the cleanroom. We have updated the Scope of work note#2 on the drawing E2.02 and the Panel schedule PP1C.

### Question #38



At the wall of Inert Gas Panels, the symbol shown \_\_\_\_\_ ,

- a. Please confirm if this is a hard wired connection or if the panels plug into a receptacle,
- b. Who installs the panels?

### Answer #38

Panels are Hardwired and will be supplied by the Owners equipment supplier, and installed by the GC.

### Question #39

Are there special work procedures that need to be followed when working in the space designated as the “Clean Room”?

### Answer #39

At this time the Clean Room has not been validated and special work procedures are not required.

### Question #40

Confirm the electrical contractors work is limited to the dark black items shown on E2.02 only.  
For example, Panel schedule PP1C is showing a number of items labeled as “RCF-x”. Where are these located and is the EC supposed to bring power to them?

### Answer #40

See response to Question #37.

### Question #41

At the wall of Inert Gas Panels, the symbol shown,  
Please confirm if this is a hard wired connection or if the panels plug into a receptacle,

Who installs the panels?

**Answer #41**

See response to Question #38.

**Question #42**

Are there special work procedures that need to be followed when working in the space designated as the “Clean Room”?

**Answer #42**

At this time the Clean Room has not been validated and special work procedures are not required.

**Question #43**

The McNichols vent indicated in the wall cabinet in conference rom 401 detail 14/A9.20 does not have a specification aside from its dimensions. What material, gauge and wire opening size are to be used?

**Answer #43**

MP1	PERFORATED METAL	McNichols Metal		Round/ Size TBD/ U edge Frame	Electrostatically Painted Black	bulletin board location
				Material: Painted Carbon Steel – Black – Electrostatically painted	Color: Black	Vent for CPU within closet
						MUST MEET CAL 117

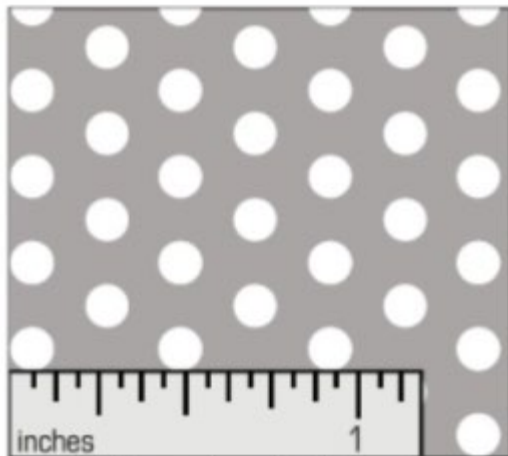
Material: Painted Carbon Steel – Black – Electrostatically painted

Hole Pattern: Staggered center / perforated metal / round

Hole Size: 1/8” round on 1/4” stag. Ctrs 1/8” bar, 18.74 HPSI, 23% OA

Margins & End Pattern: holes sheared through. U-edge frame

Gauge: 16



*1/8" Round on 1/4" Stg. Ctrs.,  
1/8" Bar, 18.74 HPSI, 23% OA*

**Question #44**

Please advise where we can place the crane on site to install a RTU unit up on the roof?

**Answer #44**

To be coordinated between GC, NJIT and the City of Newark.

**Question #45**

What are the crane work requirements, Over Time, standby personal, street closure, traffic control?

**Answer #45**

To be coordinated between GC, NJIT and the City of Newark.

**Question #46**

Will the project be tax exempt?

**Answer #46**

Yes.



**Addendum #1**

**A signed copy of this addendum must be submitted with your RFB response.**

<p><b>Company Name:</b> _____</p> <p><b>Signature:</b> _____</p> <p><b>Name:</b> _____</p> <p><b>Date:</b> _____</p>
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**All else remains the same, including RFB response due date and time.**

**RFB 21-14 Micro Phase II and III and Venturelink**