

RFI Log - 202420009: NCSU College of Engineering Growth – Research Lab Renovation FWH Pre-Bid

RFI #	Issued by	Description	Date Received	Date Requested	Response Date	Reviewer	Response
1	Kevin Hartzog, C.T. Wilson	Do we need to resubmit financials with the bid since we are Pre-Qualified?	11/20/24	12/03/24	12/03/24	Carla Daniels, NCSU HUB Coordinator	They (contractors) do not need to resubmit any information. They are prequalified to bid this project.
2	John McCaffrey, 35N	Sheet AD103, note 024100 A24: Does this apply to one side of the counter only? Is it acceptable to provide ADA height on both sides of this end of the island? This would provide an easier modification to the existing countertop.	11/25/24	12/03/24	12/03/24	Timothy Stratton, BSA	Drawings to be updated for revised approach.
3	John McCaffrey, 35N	Sheet LF 601, Elev 6: Casework contractor indicates that the shelving as detailed will need to have a channel frame system mounted to the worktop, instead of through the worktop and cabinet and wants confirmation that this would be acceptable.	11/25/24	12/03/24	12/03/24	Timothy Stratton, BSA	Confirmed, detail 11/LF400 shows shelving being mounted to the worktop.
4	John McCaffrey, 35N	Sheet LF101B, note 1235 53.13.LF07: Is the casework contractor to provide the quick connects and valves? Or is the Owner providing those materials? (hoses by Plumbing per 5/P311)	11/25/24	12/03/24	12/03/24	Timothy Stratton, BSA	This is no note "1235 53.13.LF07" on LF101B. Quick connect fittings to be provided at ceiling service panels shown on detail 2/LF401 and lab sink and fixture schedule on LF500.
5	John McCaffrey, 35N	Specification 115313 section 2.08: Please confirm section 2.08 of the hood specification is not relevant to this project. Based on M602 it appears this hood exhaust will be provided by the building exhaust fans, and airflow monitored via sash sensor and managed by a modulating damper both provided by the mechanical package. In other words, no local blower required.	11/25/24	12/03/24	12/03/24	Timothy Stratton, BSA	Confirmed, section 2.08 will be removed in it's entirety.
7	John McCaffrey, 35N	Specification Section 123553.19 section 1.07: Please confirm intent is for the manufacturer to provide a 5 year warranty.	11/25/24	12/03/24	12/03/24	James Cox, NCSU	The manufacturer is to provide a 5 year warranty
8	Tyler Zagurski, Progressive Contracting	Please confirm if all workers on site will require a security badge or if just the foreman for each trade will be required to have a security badge. I.e. if a demolition contractor is on site working, can their foreman have a security badge to access the building while their laborers do not have badges? Or will the workers be required to obtain and carry a security badge as well?	11/25/24	12/03/24	12/03/24	James Cox, NCSU	Foreman badging is acceptable
9	Tyler Zagurski, Progressive Contracting	If NC State is providing the dumpsters, can you confirm where the dumpster will be placed? And what size the dumpster will be?	11/25/24	12/03/24	12/03/24	Mark Searls, BSA / James COx, NCSU	Please refer to the logistics plan for dumpster location. The roll off dumpster size will be 20 CY
10	Tyler Zagurski, Progressive Contracting	Is there any free parking lots within walking distance of the project?	11/25/24	12/03/24	12/03/24	Mark Searls, BSA	All parking on NCSU campus is designated as Permit only or guest parking. There is some off-campus parking available but those are restricted by the City of Raleigh.

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11	Tyler Zagurski, Progressive Contracting	We are currently finishing a separate project on NC State's campus where we were provided 5-6 reserved parking spaces by NC State free of charge for contractor parking. Will that be an option for this project?	11/25/24	12/03/24	12/03/24	Mark Searls, BSA	That is currently not an option but can be further discussed with NCSU.
12	Tyler Zagurski, Progressive Contracting	Will the contractor be required to pay any permit fees?	11/25/24	12/03/24	12/03/24	Mark Searls, BSA	There will be no permit fees for this project as it is on NCSU property.
13	John McCaffrey, 35N	Please provide a link to as-built drawings for the existing facility.	11/26/24	12/03/24	12/03/24	Mark Searls, BSA	Existing drawings are available on AERES. BSA will coordinate with NCSU as to providing the existing drawings to the approved contractor before construction begins.
14	Max Augenstein, Nycom	Please provide a Basis of Design / Model for the Tool Pegboards specified in 123553.13 2.12.C. And, please confirm these are item "PBD" in the LF500 Lab Accessory Schedule and elevated on 3/LF601. Note: the KeyNote Legends call these out to be part of 115300 (e.g. A101-A),	11/26/24	12/03/24	12/03/24	Timothy Stratton, BSA	123553.13 2.12.C to be updated with BOD. "PBD" is the pegboard as indicated under equipment name in the Lab Accessory Schedule and located on elevation 3/LF601. Keynote on A101-A to be removed.
15	Max Augenstein, Nycom	All Air and Gas services (e.g. at Benches and Fume Hoods) were cleaned for high purity service (i.e. oxy-cleaned, oxygen cleaned, etc.) in the original build. This requirement is not specified in 115313, 123553.13, 123553.19 or the Div. 22 Plumbing Specs. Please confirm no oxy-cleaning is required	11/26/24	12/03/24	12/03/24	Timothy Stratton, BSA	No high purity gases within the scope of work. No oxygen cleaning required.
16	Max Augenstein, Nycom	Please advise if epoxy sinks are to have a marine edge to match the original building install. These are not specified or detailed.	11/26/24	12/03/24	12/03/24	Timothy Stratton, BSA	Epoxy sinks to have marine edge. Detail and schedule to be updated.
17	Max Augenstein, Nycom	Mechanical Sub per typical coordination, not the fume hood provider (as specified in 115313 2.08). This is a cost and coordination item. If by the fume hood provider, please provide a Make and Model to serve as the Basis of Design and confirm that all ductwork & install of the blower are by the Mechanical Sub per 3.02.D & typical coordination. Note: no blowers are detailed on the Lab Plans, nor did the Fume Hood provider furnish/install for the original build.	11/26/24	12/03/24	12/03/24	Timothy Stratton, BSA	No exhaust blowers are required, section 115313-2.08 will be removed in it's entirety.
18	Max Augenstein, Nycom	Please confirm if a on/off blower switch is required at the fume hoods as noted in 115313 2.08.A.3. Note: Blower Switches are not detailed on LF400 and were not provided for other fume hoods in the building.	11/26/24	12/03/24	12/03/24	Timothy Stratton, BSA	No on/off blower switches are required, section 115313-2.08 will be removed in it's entirety.

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19	Max Augenstein, Nycom	Please confirm all fume hoods are to be ASHRAE 110 Field Testing by the 115313 Fume Hood Provider. 115313 3.03.A.1 has a blank where the number of hoods is to be indicated.	11/26/24	12/03/24	12/03/24	Timothy Stratton, BSA	All fume hoods are to be tested. 115313 3.03.A.1 to be updated.
20	Max Augenstein, Nycom	Please confirm fume hood alarms are to be by the Mechanical Sub per Notes on M602 & M604 and that the fume hood provider is only responsible for the alarm cutout. This is how the original build was coordinated. Note: 115313 2.07 indicates by the fume hood provider; however, in our experience on campus (e.g. original install), the fume hood alarms are by the Mechanical Sub for a complete Operating System and to ensure consistency throughout the building.	11/26/24	12/03/24	12/03/24	Timothy Stratton, BSA	115313 2.07 to be updated to remove fume hood alarms. Cutout only for fume hood provided.
21	Max Augenstein, Nycom	115313 2.01.A specifies (4) Fume Hood Manufacturers but does not provide model #'s. To match the other SEFA High Performance Fume Hoods in the building, please confirm each manufacturer should be using their highest performance Fume Hood (e.g. Kewaunee Venturi, Mott RFV2, Labconco XStream). Further, please confirm 115313 2.04.B Basis of Design is to be Kewaunee Scientific's Supreme Air Venturi (not just the outdated Supreme Air as specified) to match all other fume hoods in the building.	11/26/24	12/03/24	12/03/24	Timothy Stratton, BSA	Fumehood models to be added to 115313 2.01.A. 115313 2.04.B BOD to be updated to "Supreme Air Venturi".
22	Max Augenstein, Nycom	To match all other fume hoods provided throughout the building, please confirm all fume hoods are to have the below, additional custom features. Note: these are not specified but are required & requested by NCSU's EH&S Department in our experience. NCSU's Div. 23 Guidelines explicitly require the Mechanical Stop at 18". a. Mechanical sash stops at 18" (as noted on LF400) b. Label on each post to read, "Energy saving open sash position". c. Label above sash to read, "Close sash when not in use".	11/26/24	12/03/24	12/03/24	Timothy Stratton, BSA	Custom features to be added to 115313.
23	Max Augenstein, Nycom	115313 2.04.D calls for Fume Hoods to have a vapor proof fluorescent light fixture with 80 foot candles average illumination. However, the existing have vapor resistant, temperature adjustable LED lighting with 100 ft. candles at the work surface. Please confirm vapor resistant temperature adjustable LED lighting is required to comply with the other fume hoods in the building.	11/26/24	12/03/24	12/03/24	Timothy Stratton, BSA	Confirmed, 115313 2.04.D to be updated.

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24	Max Augenstein, Nycom	Please confirm the "CSP-A" in 1339 Wet Chemistry Lab is to have (2) CA and (2) Vac quick connects and each Mobile Bench below is to have (1) CA and (1) Vac service & fixture pre-plumbed to comply with details on 2/LF401 and 10&11/LF602. P311 does not use Note 5 (CA and Vac quick connects required) like the CSP-A in 1331.	11/26/24	12/03/24	12/03/24	Timothy Stratton, BSA	Confirmed, CSP configuration and quick connect per LF drawings.
25	Max Augenstein, Nycom	Please confirm which mobile benches in 1331 are to have CA and Vac services & fixtures, the quantity of each service & fixture and how many quick connects "CSP-A" is to have. Elevations 2 & 3/LF602 do not show fixtures at the benches (like 10 & 11/LF602). Per 2/LF401, "CSP-A" receives (2) CA and (2) Vac quick connects, but Note 5/P311 does not support. There is (1) CSP-A shown on A101-B.	11/26/24	12/03/24	12/03/24	Timothy Stratton, BSA	CSP details and RCP to be updated to reflect (1) CA added to the relocated mobile benches in 1331.
26	Max Augenstein, Nycom	Please confirm the new Mobile Benches shown in 1339 Wet Chemistry are to be Kewaunee Scientific's Evolution Series (or other manufacturers compliant) to match those relocated in Room 1331 Micro / Nano Lab next door. Note: Kewaunee's Evolution series features 2"D x 9"W x 72"H columns with integral T-slots that allow for infinite adjustment of the worksurface and all components. Further, it features hollow columns (for service routing) with removable interior & exterior panels that allow for simple change-out of services over time.	11/26/24	12/03/24	12/03/24	Timothy Stratton, BSA	123553.13-2.03 to be updated to show BOD Mobile benches BOD as Evolution Series.
27	Max Augenstein, Nycom	The Relocated Mobile Benches tagged with 123553.13.LF05 in Room 1331 have Heavy Duty Leveling Casters. Please confirm if the NEW Mobile Benches in Room 1339 are to have Heavy Duty Leveling Casters as well. 1/LF101-B and Elevations show typical feet.	11/26/24	12/03/24	12/03/24	Timothy Stratton, BSA	No heavy duty leveling casters required on benches in 1339.
28	Max Augenstein, Nycom	The Lab Sink and Fixture Schedule indicates the Quick Connects at the CSP's are to be QPFL / QPDL (push button) series vs. typical QCFL / QCD (which was originally provided). Please confirm QCFL series / QCD, matching original install are required.	11/26/24	12/03/24	12/03/24	Timothy Stratton, BSA	Provide QPFL / QPDL (push button) series as indicated on lab sink and fixture schedule.

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29	Max Augenstein, Nycom	<p>1363 new layout are to be relocated from Room 1365 per Note 115314.LF01 on LF101-A & 3/LF601 (and Demo Note 024100.A12 on AD101-A), not new as noted on A101-A with Note 115313.A02 (CFCI)</p> <p>b. Please confirm the (1) ceiling-mounted Snorkel in Room 1331 is to be relocated from Room 2355 per Note 115314.LF02 on LF-101-B & 5/LF602, not new as noted on A101-B with Note 115313.A02 (CFCI).</p> <p>c. Assuming the above are confirmed, it appears there is (1) additional existing ceiling-mounted Snorkel from 3137 that is not planned for reuse. Demo Note 024100.A12 on AD103-C indicates (1) Ceiling-Mounted Snorkel is to be demo'd and salvaged from 3137. The new work plans only show (3) reused Snorkels. However, there are 4 total, assuming the above are confirmed. This noted, should the ceiling-mounted Snorkel noted as New (CFCI) in Room 1339 with Note 115313.A02 on LF101-B and elevated on 10 & 11/LF602 be reused from 3137? If yes, please confirm no</p>	11/26/24	12/03/24	12/03/24	Timothy Stratton, BSA	<p>a) Snorkels are relocated per LF series. Keynotes on A series to be updated.</p> <p>b) Snorkels are relocated per LF series. Keynotes on A series to be updated.</p> <p>c) Snorkel from 3137 to be reused in 1339. No new snorkels are needed. Spec section 115314 to be delete in it's entirety.</p>
30	Rachel Collins, I.L Long Construction	The electrical plans call for new panels added. All the existing panels are flush mounted, do you want these new panels to be flush or surface mounted? Flush mounting will need much more cutting and patching since the walls are block the cost will be considerable higher.	11/29/24	12/03/24	12/03/24	Sophie Zhou, McKim&Creed	The panel we are adding to level one outside Lab 1331 (Panel 'A1NPL15') is flush but doesn't require cutting into existing wall. It's going to be flushed with a new dry wall build out next to an existing column. Panel 'B3NPL15' added outside lab 3135 does require cutting into existing gyp wall.
31	Mitchel Johnson, Monteith	Confirm the location of existing telecom raceway where we have to run data outlet conduits	12/03/24	12/03/24	12/03/24	Sophie Zhou, McKim&Creed	Coordinate with owner in the field.
32	Mitchel Johnson, Monteith	Confirm the location of electrical rooms on first and third floor for running the feeders to new panels. (B3NPL15 & A1NPL15)	12/03/24	12/03/24	12/03/24	Sophie Zhou, McKim&Creed	A1NPL15 is fed from A1NPL2 located in Elec Rm 1373. B3NPL15 is fed from either panel B3NPL2 or B3NPL1 located in Elec Rm 3188. Circuitry is indicated in key notes. Several existing EPOs share the same circuit based on as-builts for the building. Refer to MEP outage planning pdf if needed.
33	Mitchel Johnson, Monteith	Can you provide more detail regarding circuitry for EPO Shown on Sheet E111 and E113 (note 6, E111 & note 2, E113)?	12/03/24	12/03/24	12/03/24	Sophie Zhou, McKim&Creed	
34	Mitchel Johnson, Monteith	Confirm if the EPO shown on sheet E113 is existing or we have to consider new.	12/03/24	12/03/24	12/03/24	Sophie Zhou, McKim&Creed	There is an existing EPO at location shown that could be re-connected to the new panelboard added. Refer to demo and new work sheets.
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