

RFI	Subject	Description	Date Submitted	Drawing/ Spec	Response
1	Glass/Glazing	To accurately price out the (3) NEW exterior thermally broken windows located on East Elevation (Chemistry Lab 2) we need to know what the EXISTING systems are (manufacturer, model), finish, and glass make-up that we are to match to.			Per DDC the IGU is SN68 clear & clear refer to attached submittal. Aluminum framing system is Tubelite T14000 refer to attached submittal.
2	Glass/Glazing	For the Interior Fire Rated Frame assembly with door(s) 110, we need to know the required finish.			Color is black. Door 109 is black as well.
3	Glass/Glazing	For the interior elevations (work area 102 & 101) here appears to be glazed assemblies. However, there is no interior elevation view of this areas to determine what the assemblies entail. Please provide elevation views. 1. Desired finish needed as the specs read "match existing" 2. Desired glazing if not 1/4" clear tempered.			Refer to the attached revised drawings A-101, A-201, A-601.
4	Glass/Glazing	For ALL Aluminum doors, rated and non rated, we need to know the following: 1. Finish, FF is listed as factory finish. 2. Hardware sets and hardware specification as neither were provided.			Finish for door 109, 110 is black - refer to attachment door 103 hardware. Finish for doors 112, 113A is anodized aluminum to match the existing finish - refer to attachment door 101A hardware.
5	Glass/Glazing	There is no glazing specification available to determine desired glass make-ups for any applicable areas (interior frames and door lites, exterior glass)			Refer to revised sheet A-201 & A-601.
6	Casework	Elevation 4 is showing stainless steel counters, I'm assuming elevation 5 is also stainless steel counters. Is this correct? Please confirm elevations 6-9.		AQ-412	Counters in Chem lab 1 and 2 are to be high temp ceramic matching the temperature and acid resistance characteristics of Waldner ceramic Stonehard product. Other products meeting the requirements will be reviewed by the client for acceptance.
7	Casework	Stonehard by Waldner - is a Stoneware, by Waldner which is a ceramic countertop? Or will Durcon Grey Resin be acceptable.		Spec 123553.13-4	High temperature ceramic similar to Walder Stone Hard is required where "High Temp Counter" is noted. Durcon is not acceptable. Phenolic Resin (Fundermax or similar) is acceptable in designated work area rooms. All Chem lab counters and fume hood work surfaces are high temp ceramic.
8	Plumbing	P-501: Island sink and peninsula sink vent - Can we use mechanical vents instead of the vent routing shown on the details?		P-501	Mechanical vents not preferred in laboratories, provide venting per detail.
9	Casework	Elevation 4 is showing a TBL-003 which is a 30" x 72"w table. Should these cabinets be mobile instead of fixed since they are shown under the table? On the same sheet / lab on the south wall there are (2) 402 (not elevated) according to the sizes indicated on the casework legend on sheet AQ-001 these seem to be tall cases. Please confirm if unit type 402 is a cabinet.		AQ-101A	The two cabinets labelled 402 between MM-13 and MS08 are tall cabs T1 on sheet AQ-001. Closure panels are not required at this location. Provide mobile cabinets under TBL-003, elevation 4.

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10	Casework	On the casework legend on sheet AQ-001 the cabinet is showing lock hardware, locks are not called out in the specs. Please specify if pin and disk locks are required.		AQ-001	No locks are required.
11	Plumbing	Plumbing Key Note PP-11, on drawings P-101A & P-101B, calls for VAV & CA down to fume hood. As far as I can tell, there is no VAC piping shown on the drawings. Please verify?			Vacuum system removed from project. Omit vacuum scope as indicated in keynote. Keynote to be revised in upcoming addendum.
12	Plumbing	As far as compressed air piping shown on the drawings is concerned, is it considered to be Section 221500, General Service Compressed Air or Section 226000, Lab Air? Or Both? There are different materials and installation methods for each system.			Compressed air in the lab spaces will follow general service lab air requirements.
13	Plumbing	Drawing P-001 Plumbing Fixture Pipe Sizing Table lists plumbing fixtures that do not appear to be on this project (lavatories, urinals, water closets, water coolers, etc.). Please verify that, only the items listed on drawing P-601, are included in this project?			Correct, items listed on P-601 are the included items on the project. The schedule on P-001 indicates minimum pipe sizing unless otherwise specified.
14	Plumbing	Plumbing Drawing P-601, Domestic Fixture Schedule, has note #1 that states "See fixture specifications for fixture model information". While the Specification section 221006 list manufacturers, it doesn't list model numbers. My suppliers are requesting more information.			Specifications for fixtures to be updated in pending addendum. Valves in lab casework in lab planning sheets. Quick Disconnects at CSPs are in lab planning specs.
15	Plumbing	The Domestic Fixture Schedule Specifications section 221006, Piping Specialties and section 223000 Plumbing Equipment do not list the Emergency Eyewash Shower Information. Is that being supplied by the Owner? If by the Plumbing Contractor, can the information be provided?			Eyewash model to be communicated in pending addendum.
16	Mechanical	Specification section 226319 High Purity Gas Piping Systems, lists orbitally weld stainless steel for ultra high purity gas systems but it also lists Mechanical Joint Fittings as acceptable. Please clarify.			For fractional sized tubing connections to equipment, Swagelok compression fittings will be necessary. For mains and distribution piping, orbitally welded tubing is appropriate.
17	Door Hardware	Please provide missing spec section '087100 - Door Hardware'.		87100	Plans are for this to be released in Addendum and additional responses this week
18	Casework	Please confirm who is providing the lab casework. DDC or GC?		11 5300	GC
19	Mechanical	Please confirm who is providing the lab equipment & fume hoods. DDC or GC?		11 5300 & 115313	Lab testing equipment removal and being returned and final connections will be provided by Owner. Hoods P & I are in this contract as is all equipment called out in the schedules.
20	General	Please confirm who is responsible for paying for the cost of permits. DDC or GC?		11000	GC.
21	Mason	It was understood during the walk through that some new masonry penetrations may not be shown on the plans. Please confirm an allowance to be carried for the misc. masonry openings not identified on the plans (unforeseen conditions)?		42000	GC is insure that all necessary new masonry openings and infilling are included in pricing

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22	General	It was understood during the walkthrough the owner would remove/salvage all live loads (monitors, computers, files, etc.) and lab equipment prior to the start of GC work in the area. Please confirm an allowance to be carried for the misc. owner cabinets removals/salvage/etc. That may be left behind?			AV equipment will be removed by Owner. GC is to include an allowance of (10) standard, enclosed metal cabinets will need scrapped.
23	Structural	It was discussed during the walkthrough that the structural lintel information for the new exterior masonry openings has not been identified and would be provided in an addendum. Please confirm the necessary information for those lintels for the purpose of bid?		42000	Will be provided in pre-bid addendum to be issued 5/21/26.
24	General	Please confirm the additional 'owner's responsibility' tasks discussed during the walk through: removal/salvage of bottle storage, removal of bins/equipment/storage on racks, removal/salvage/reinstall of lab equipment including disconnects/final-hookups, and removal/salvage of all Steelcase furniture.			1.) Compressed gases will be removed by Owner. 2.) Product stored on the high bay racks will be removed by the Owner leaving them empty for the GC to disable those racks as required. Temporary storage as required for storage of racks will be provided by the Owner. See note 15 on AD-101. 3.) Owner will remove all Steelcase furniture. 4.) See response on #319 for lab equipment and #22 for AV equipment
25	General	Please confirm the additional GC task for 'items to salvage and return back to owner': removal/savage of equipment racks, and salvage of the existing RTU (servicing back area).			RTU is to be removed and returned to Owner as shown on MD191 Note MD08
26	Arch	For alternate #1 - 5/8" gyp board wall and framing above masonry to UOD, are we to include vertical metal siding?	20-May		No.
27	Arch	For the vertical metal siding shown in (detail 2/A-101), masonry sill (detail 3/A-101) indicates 1-1/2" siding, whereas top of wall (detail 4/A-101) indicates a 3/4" siding. What is to be provided? Please provide specification for Div.07- Metal Panel	20-May		3/4" - Basis of design BERRIDGE "M" PANEL.
28	Plumb/Arch	There are two areas of hatching similar to keynote#4 sump pump, that are unlabeled (Room#110 & #111). Are we too assume these are new or existing 18" x 18" x24" D sumps?	20-May	A-101	Locations with the plumbing equipment tag of "SP-1" are to be lift stations located under-counter / within the casework. The plumbing equipment tag "SP-2" lift station will be located within a basin below floor.
29	Arch	Missing wall tag information for north-east wall of chemistry lab, are we to match the wall type '0D3'?	20-May		Refer to A-201 for details 5,6, and 9/A-201 pulled from the exterior elevation. These details are basically 0D3, but include spray foam insulation on the backside of the exterior wall.
30	Arch	Please Provide structural coordination plan for note on (A-101) 'provide 2-hr cementitious fire proofing on beams, slab above and columns' or are we include spraying of existing deck for the full area (Chemistry lab -110, Corridor - 109, and Chemistry Lab 2 -111)?	20-May		Provide spray of deck (slab), beams, and columns.
31	Arch	Is there a detail correlated with the keynote#2 - 'infill trench with concrete' shown along the east wall of Chemistry lab #2? Please advise.	20-May		Refer to S-102.
32	Structural	Please provide the masonry lintel information needed for pricing for the new exterior openings and interior door openings.	20-May		Refer to details 6&9/A-201 and 6/A-601.
33	Electrical	Please provide missing electrical specification 26000. Table of contents has no information listed.	20-May		Electrical Specifications are provided on drawings, refer to sheets E-801 & E-802.
34		Will there be a bid extension provided, based on the missing specifications and missing information?	20-May		June 2 EOB
35	Plumb/Mech	Is there a specification on the water hose reel?	19-May		Water hose reel will be Owner furnished - a relocation of the existing reel.

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36	Plumb/Arch	What is the depth of the concrete slab that needs to be removed/replaced for UG sanitary, Process Waste piping, and UG electrical? a. Please confirm that the area is a slab on grade, and that there is no basement beneath these piping locations	19-May		Process waste piping shall be overhead and tie into existing process waste line in the material lab. Lift stations shall pump waste overhead to a gravity fall back to existing process waste line - noted on P-101A keynote PP02.
37	Arch	Note 1 on A-101 states "Coordinate existing storm line cleanout". Is this the responsibility of the owner or contractor? If it is the responsibility of the contractor, please clarify the extent.	19-May		The coordination is to provide an escutcheon in the gypsum wall where the existing clean out is located.
38	Arch	Note 2 on A-101 states that the contractor needs to "infill trench with concrete". It is shown in several locations, the largest being along the exterior wall in Chemistry lab 2. Please provide details the reasoning, depth, and locations.	19-May		Depth and width require coordination with the mechanical trades and existing invert elevations.
39	Arch	Are the metal panel walls that are extended from existing masonry one sided? No finish on the other side? Insulation required?	19-May		Yes. One sided.
40	Arch	Is the 2hr cementitious fireproofing required in the entirety of the corridor, chem lab, and chem lab 2, or just select locations? If the answer is select locations, please provide approximate locations or quantity	19-May		Entirety of the rooms noted.
41		13. Given that the overall schedule is August 2026 – May 2027, does installation of owner equipment need to be factored in? If so, what is the expected duration for that activity?	19-May		The lab equipment which is moved by Owner is not part of this schedule.
42	Arch	Note 2 on A-121 states that we need to provide UL approved firestopping at existing penetrations, slab edges, etc. Without knowing the existing conditions, can an allowance be established for all contractors to carry for this work? If not, is there a quantity that we should base the proposal off of?	19-May		HED recommends an allowance with Quantity and Unit Cost defined.
43	Arch	The demolition drawings do not capture demo of the existing ceiling systems. From the walkthrough, it appeared that all ceilings were suspended acoustic aside from the Mech Lab that was open to the structure above. Please confirm	19-May		Refer to the demolition legend for the ceiling demolition note.
44	Structural	Per detail 6 on A-201, it appears that there is an existing steel lintel above and an existing masonry beam below the new window openings. Please confirm that these items are existing.	19-May		It is believed there is an existing steel lintel w/ a plate at the window head. The bond beam is also believed to be present at the sill condition.
45	Structural	Additionally regarding detail 6 on A-201, there appears to be a steel plate that is fastened to the underside of the existing steel lintel that would support the brick above, but there is no indication what this is, and whether it's new or existing. Please clarify.	19-May		It is believed to be existing.
46	Arch	Is the 4'-5"x7' door on the unit door schedule relevant? If so, please provide details and information	19-May		Refer to the revised door schedule and
47	General	As discussed at the pre-bid meeting, please confirm that all lab equipment scheduled on AQ-600, AQ-601, and AQ-602 is furnished and installed by the owner. Contractor is only responsible for utility connections to owner-provided equipment. Please confirm.	19-May		Contractor provides utility outlet. Owner provides final connection to equipment
48	Arch	Corridor 112 appears to have some glazing that is existing to remain and then glazing in new locations, but there are no details or elevations for the new. Please explain the intention for these new/existing locations and provide details/elevations as needed.	19-May		Refer to Addendum 1.

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49	Electrical	Please confirm that the contractor is responsible for infrastructure and rough ins for data, low voltage, access control, etc. and the owner will utilize its own IT and vendors for LV cabling and devices.	19-May		Confirmed, electrical contractor shall provide infrastructure rough ins.
50	Arch	The door hardware schedule appears to be missing from the specifications. Can this be provided?	19-May		Refer to Addendum and revised door schedule.
51	Arch	Who is responsible for final keying and coring, owner or contractor?	19-May		Final Cores and Keys to be installed by Owner
52	General	The scope of work states that ACM removal is by owner. Please confirm. If the abatement is by owner, will this work be completed prior to mobilization? If not, what is the duration that needs to be factored into the schedule?	19-May		Work will be conducted as items arise such as ceilings are removed. ACM contractor can typically respond in a day or two. Owner does not anticipate much removal to be required outside of some pipe fittings.
53	General	Please confirm that taxes are required for this project	19-May		Contractors must include all sales tax in quote. All applicable taxes are to be itemized in quote.
54	General	Please confirm that the project is intended to be performed on normal working hours	19-May		Except as noted in the Scope
55	General	Are Performance & Payment Bonds required for the project?	19-May		Purchasing in process of responding
56		Are there any requirements for delegated design on the project aside from standard items like Fire Protection and Cold Formed Metal Framing?	19-May		Yes, fire protection, fire alarm, and gas detection.
57	General	Is the contractor responsible for Builders Risk Insurance?	19-May		Purchasing in process of responding
58	General	Please confirm that all FF&E will be removed from the work space by owner prior to mobilization.	19-May		Confirmed
59	General	Are dumpsters the responsibility of the contractor?	19-May		Yes per Scope
60	Arch	Are there any owner allowances or contingencies that need to be carried by the contractor?	19-May		Allow for (10) Sheetmetal cabinets to be removed and scrapped
61	General	Are there any specific contractor rules/regulations for the facility?	19-May		Plant safety policy is on the Contractor Portal and all GCs bidding have access to it. This is the link phiconsulting.com/ems/client/Daimler/Detroit/contractor/users/home/ Owner can allow a maximum of two Contractor vehicles maximum per contractor but must be labeled with logo. Contractor to provide porta-potty(s). Quantity as required .
62	Arch	Please confirm that all directional and room identification signage is by owner.	19-May		Misc. signage by owner. Pipe and other utility identification by Contractor
63		Is the contractor required to turn the sprinkler heads up for temporary protection during construction?	19-May		Minimize area and impairment to Owners facility is expected but temporary provisions is not required.
64	Casework	Sheet AQ-101A, elevation 18 is calling for a fdb-05 which is a double side flex bench. is showing a TBL-003 which is a 30" x 72"w table. This unit is up against a wall, Does this need to be a single side bench FBS-05? This is also elevated as Elevation 2/AQ-412 (see fop AQ-101B)	20-May	AQ-101A	This should be an FBS-05 in Work room 102. Elevation 2/AQ 412 is at the Chem Lab 110 and is a double sided flex bench.
65	Casework	Sheet AQ-101A in lab 102 Work Area, there is a FBD--05 (not elevated), this is also against the wall should this be a single side FBM shown on sheet AQ-001, there is no CSP indicated. Does this unit only require an electrical bar and shelving?	20-May	AQ-101A	This should be an FBS-05 in Work room 102. No CSP is required. Provide full service fitting at the FBS for future.
66	Casework	Sheet AQ-101B, Elevation 18, What is at the end of the island next to the FBD-05?	20-May	AQ-101B	This is a tall storage cabinet (T-1). No closure panel is needed at this location.

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67	Mechanical	<p>Sheet G-001 mentions GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ENGINEERED STRUCTURAL ASSEMBLIES AND CALCULATIONS SHOWING COMPLIANCE WITH CODE REQUIREMENTS AND ACCOUNTING FOR STATIC AND DYNAMIC LOADS INCLUDING ANY WIND OR SEISMIC LOADS, THERMAL MOVEMENT OF SUPPORTING STRUCTURE AND DIMENSIONAL TOLERANCES OF THE BUILDING.</p> <p>I could not find any seismic requirements requirements for piping for equipment in the drawings or the specifications. Please clarify if seismic design for piping is required and if the mechanical contractor or the GC will be responsible for that.</p> <p>The specifications only mention non-seismic applications.</p>	20-May	G-001	Seismic is not required for this scope.
68	Mechanical	Sheet P-501 Plumbing details: Plumbing: Island sink and peninsula sink vent- can we use mechanical vents instead of the vent routing shown on the details?	20-May	P-501	Mechanical vents not preferred in laboratories, provide venting per detail. Island no longer exists in project, detail has been removed from ADD-01 drawings.
69	Mechanical	<p>Per note PD-01: DISCONNECT AND REMOVE EXISTING PLUMBING FIXTURES WITHIN WORK AREA. REMOVE BRANCH PIPING BACK TO EXISTING MAIN AND CAP. CUT AND CAP SANITARY AT FLOOR AND PATCH.</p> <p>1. Please provide details about existing plumbing fixtures and branched piping to be removed.</p> <p>2. At the walk through it was mentioned that this might be required at more than one location. Kindly confirm all locations.</p>	20-May	Note- PD-01	Demolition scope shall be coordinated with the new work plans requirements and site conditions.
70	Mechanical	<p>1. At the walk through yesterday there was mention of an addendum; when will the addendum be released?</p> <p>2. To provide accurate an bid, we request that the addendum be released soon bid due date be extended by at least a week.</p>	20-May		Addendum released dated 5/21/2026
71	Mechanical	<p>Note 13 on AD-101 says the water heater and drain pan need to be removed and retained for re-installation but at the walk through yesterday, there was a mention about installing a new water heater.</p> <p>Please clarify if a new water heater needs to be installed per details mentioned in spec. section 22 30 00- Plumbing equipment.</p>	20-May	AD-101 (Note 13)	Heater to be retained for reinstallation, current plan is to reuse the existing.
72	Mechanical	Who is responsible to provide and install the AIRGAS MODEL Y11-CP120B(CGA),OR EQUAL, AUTOMATIC HIGH PURITY CHANGE-OVER PANEL W/ANNUNCIATOR CONNECTION?	20-May		Plumbing contractor shall provide and install.
73	Gas Detection	<p>1. Ventilation Control Question: Is the gas detection system required to interlock with and control the exhaust ventilation or just communicate to DDC? Current Understanding: No. The gas detection system is not required to control the outside air damper or exhaust fans. Requested Response: Please confirm that no outside air damper control is required and communication type (dry contacts, BACnet.)</p>	20-May		Control shall be provided by the BMS.

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74	Gas Detection	<p>2. Loss of Ventilation Alarm Question: Is the gas detection system required to monitor ventilation status and generate an alarm, trouble, or supervisory signal upon loss of ventilation? Current Understanding: This is not clearly defined. It should monitor but is not indicated. Requested Response: Please confirm whether loss of ventilation monitoring is required. If required, please identify the ventilation proving method, such as airflow switch, current switch, differential pressure switch, DDC status point, or other device.</p>	20-May		A DDC status point is acceptable. A local horn and strobe at the gas cylinder rooms shall be present to notify occupants.
75	Gas Detection	<p>3. Five-Year Calibration Interval Requirement Question: The specified gas detection equipment does not appear to meet a five-year calibration interval. Is the contractor required to provide equipment that meets a five-year calibration interval, or should the contractor quote the equipment currently specified? Current Understanding: Quote what is specified. Requested Response: Please confirm that the contractor shall provide the gas detection equipment as specified, even if the specified equipment does not meet a five-year calibration interval. Additional Note: IFC Section 916.11 requires gas detection systems to be inspected, tested, and calibrated at least annually, unless otherwise permitted by the manufacturer's published instructions and approved by the fire code official. Therefore, a five-year calibration interval should be confirmed against the selected manufacturer's written requirements and AHJ acceptance.</p>	20-May		HED defers to Honeywell design.
76	Gas Detection	<p>4. Remote Display / Remote Annunciation Question: Is a remote display required outside the room or in another safe/attended location, or is integration with the Building Management System sufficient? Current Understanding: No remote display is required. DDC integration is considered sufficient. Requested Response: Please confirm that no remote display or remote annunciator is required.</p>	20-May		HED defers to Honeywell design, DDC integration should be minimum.

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77	Gas Detection	<p>5. Loss of Power / Trouble Notification Question: If power is lost to the gas detection system, is the system required to send a trouble signal to the DDC, FACP, or other supervising system? Current Understanding: Loss of power to the gas detection system should generate a trouble condition. Ino-Tek recommends providing battery backup / UPS to support bumpless transfer and continued trouble supervision. Requested Response: Please confirm the required destination for gas detection system trouble signals:</p> <ul style="list-style-type: none"> • <input type="radio"/> DDC only • <input type="radio"/> FACP only • <input type="radio"/> Both DDC and FACP • <input type="radio"/> Local controller only • <input type="radio"/> Other: _____ 	20-May		HED defers to Honeywell design.
78	Gas Detection	<p>6. Emergency Power / UPS / Battery Backup Question: Will the gas detection system to be powered by building or emergency power? Current Understanding: A UPS would be necessary to maintain operation or provide bumpless transfer to emergency power. At minimum, loss of primary power should generate a trouble signal. Requested Response: Please confirm the required power arrangement:</p> <ul style="list-style-type: none"> • <input type="radio"/> Normal power only • <input type="radio"/> Normal power with UPS / battery backup • <input type="radio"/> Emergency/standby power • <input type="radio"/> UPS for bumpless transfer to emergency or standby power • <input type="radio"/> Other: _____ 	20-May		HED defers to Honeywell design.
79	Gas Detection	<p>7. Local Audible / Visual Alarm at Controller Question: Is local audible/visual alarm notification required at the gas detection controller? Current Understanding: No. Audible/visual alarm indication is not required, But it should be provided at the controller. Requested Response: Please confirm that audible/visual alarm notification is required at the controller location.</p>	20-May		HED defers to Honeywell design, horn and strobe are required by the NFPA.
80	Gas Detection	<p>8. Audible / Visual Alarm Location Outside Room Question: Should audible/visual alarm notification be provided outside the room entrance to indicate a hazardous condition and prevent entry? Current Understanding: The specification does not clearly require this. However, Ino-Tek recommends providing audible/visual notification outside the room entrance as a practical life-safety measure and AHJ may require. Requested Response: Please confirm whether an audible/visual alarm device is required outside the room entrance.</p>	20-May		HED defers to Honeywell design, horn and strobe are required by the NFPA.

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81	Gas Detection	<p>9. Construction Documentation and Permit Support</p> <p>Question: Is the gas detection system contractor required to provide construction documentation and code compliance documentation for permit application and AHJ review?</p> <p>Current Understanding: The specification appears to require demonstration of code compliance with the permit application. However, based on the current documents, we are not certain the design is fully defined or code compliant as currently shown.</p> <p>Requested Response: Please confirm the required documentation scope, including whether the gas detection system submittal shall include:</p> <ul style="list-style-type: none"> • Product data • Device layout drawings • Sequence of operations • Alarm matrix • Riser/wiring diagrams • Battery/UPS calculations • Code compliance narrative • Permit support documentation • AHJ response support • Other: _____ 	20-May		HED defers to Honeywell design.
82	Gas Detection	<p>10. Gas Cabinet Requirements</p> <p>Question: Are gas cabinets included in the gas detection and emergency alarm scope?</p> <p>Current Understanding: The current scope does not gas cabinet monitoring and controls.</p> <p>Requested Response: Please confirm whether the gas detection system will include any of the following for gas cabinets:</p> <ul style="list-style-type: none"> • Ventilation monitoring • Hydrogen detection • Emergency alarm pushbutton • Local audible/visual alarm • Gas shutoff interlock • Exhaust failure alarm • Cabinet trouble signal • Other: _____ 	20-May		HED defers to Honeywell design.
83		Is the Mechanical Contractor responsible for fabricating the Valve Manifold Boxes?	20-May		valve manifold boxes can be pre-fabricated / purchased and provided by contractor installing laboratory gas system.
84		What is the maximum pressure for the gas delivery system?	20-May		maximum pressure for all laboratory gasses shall be 90 psi.
85		the connection or tie in points? I would assume that they will be face seal or what Swagelok calls VCR?	20-May		VCR connections are appropriate for valves and connections. Tubing shall be orbitally welded at mains / branches not requiring appurtenances.
86		Are they using the same type of connections on the 1/4" drops?	20-May		Swagelok VCR fittings are appropriate for connections to equipment / drops.
87		Are there any point of use pressure reducing regulators or are they incorporating them in to the valve manifold boxes, or gas sticks?	20-May		Final terminations / requirements to be coordinated with Owner for each equipment connection.

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88		The Diaphragm Valves will come with ½" Male Face Seal Connections as this is an industry standard so that they diaphragm valve can be removed for service. Is this Acceptable?	20-May		No exceptions taken to male face seal connections on diaphragm valves.
89	Card readers	Are all the doors that require a new card reader brand new? 113B, 112, 109, 110, 111. If any of the doors above are to remain in their current positions, please identify them? An Existing Card Reader is in place at Door 112. Will this Door have readers IN/OUT? Can the card access controller be installed in the closet 104? IDF Closet above is space-limited. Is door 112 part of Exit Path Travel?	20-May		Doors requiring a card reader are new. DDC please provide direction on location of controller. Door 112 is part of the exit.
90		Can you please confirm which items specification section 115300 is referring to?	20-May	115300	General reference to owner's (owner provided) equipment
91		Can you identify which hoods, if any, are polypropylene lined?	20-May		Perchloric hoods are no longer required on the project.
92	Casework	Elevation 4 is showing stainless steel counters, I'm assuming elevation 5 is also stainless steel counters. Is this correct? Please confirm elevations 6-9.	21-May		As noted in Pre Bid RFI question 6, ALL counters in Chem labs 111 and 110 are High Temperature Ceramic. There are no stainless steel counters in these areas. See addendum 1.
93	Plumb/Mech	Plumbing Keynote PP-11 on drawings P-101A and P-101B calls for VAC and compressed air down to the fume hood; however, VAC piping is not shown on the drawings based on subcontractor review. Please verify whether VAC piping is required for the fume hoods and, if required, provide routing, limits of work, tie-in locations, materials, and associated details or schedules.	21-May		Vacuum system removed from project. Omit vacuum scope as indicated in keynote. Keynote was revised in ADD-01.
94	Plumb/Mech	Please clarify whether the compressed air piping shown on the drawings is to be provided under Section 221500 - General Service Compressed Air, Section 226000 - Lab Air, or both. The sections appear to have different material and installation requirements, so the applicable specification section(s), system limits, and required materials need to be confirmed.	21-May		Compressed air in the lab spaces will follow general service lab air requirements. (221500)
95	Plumb/Mech	Please clarify whether the compressed air piping shown on the drawings is to be provided under Section 221500 - General Service Compressed Air, Section 226000 - Lab Air, or both. The sections appear to have different material and installation requirements, so the applicable specification section(s), system limits, and required materials need to be confirmed.	21-May		Compressed air in the lab spaces will follow general service lab air requirements. (221500)
96	Plumb/Mech	Drawing P-601 Domestic Fixture Schedule Note #1 states to see fixture specifications for fixture model information; however, Section 221006 lists manufacturers but does not list model numbers. Please provide required fixture model numbers, basis-of-design products, approved alternates, or performance requirements sufficient for pricing and procurement.	21-May		Schedule note updated in ADD-01, scheduled items are specified in AQ / Lab planning specifications.
97	Plumb/Mech	The Domestic Fixture Schedule and Specification Sections 221006 - Piping Specialties and 223000 - Plumbing Equipment do not appear to list Emergency Eyewash Shower information. Please confirm whether the Emergency Eyewash Shower is Owner-furnished, Contractor-furnished, or excluded. If it is to be provided by the Plumbing Contractor, provide model number, manufacturer, accessories, mounting requirements, piping requirements, and special installation criteria.	21-May		Contractor furnished. Laboratory fixtures are specified in Lab planning documents, GC to provide, plumbing contractor to install.

RFI	Subject	Description	Date Submitted	Drawing/ Spec	Response
98	Plumb/Mech	Specification Section 226319 - High Purity Gas Piping Systems references orbital-weld stainless steel for ultra-high-purity gas systems, but also lists mechanical joint fittings as acceptable. Please clarify the required joint method(s) for each high-purity gas system, including where orbital welding is required and where mechanical joint fittings are acceptable.	21-May		For fractional sized tubing connections to equipment, Swagelok compression fittings will be necessary. For mains and distribution piping, orbitally welded tubing is appropriate.
99	Plumb/Mech	Mechanical drawing M6-01 schedules new rooftop unit RTU-1, and drawing MH-191 shows the unit on the roof south of column C between columns 2 and 1. However, ductwork is not shown, and the keynotes on drawings MH-101A and MH-101B do not reference this unit based on subcontractor review. Please confirm whether RTU-1 is intended for current construction, future service, or is an omission. If included, provide ductwork, connections, controls, roof curb/support details, and scope limits.	21-May		RTU-1 serves the laboratories, ductwork is shown down from roof on MH101A in same location as unit. Curb detail is shown on M501 detail 6. Controls indicated on M-801 detail 2. Performance is scheduled on M601. Unit intended to serve laboratory areas.
100	Plumb/Mech	RTU-1 is scheduled as a gas-fired rooftop unit; however, gas piping is not shown on the Plumbing or Mechanical drawings based on subcontractor review. Please confirm whether gas piping to RTU-1 is required. If required, provide gas piping routing, tie-in location, pipe sizing, pressure, regulator requirements, isolation valve requirements, and required details.	21-May		Gas piping service up from Material Lab 113 below. Final regulator shall provide service at 14" w.c. for scheduled flow. Contractor shall confirm service pressure prior to procurement of regulator. Equipment shall have isolation valve up-stream of regulator.
101	Plumb/Mech	Please confirm whether the Mechanical Contractor is responsible for fabricating the Valve Manifold Boxes, or whether these are Owner-furnished, vendor-furnished, premanufactured, or provided by another trade/package.	21-May		Duplicate. Refer to above response.
102	Plumb/Mech	Please provide the maximum design/operating pressure for the gas delivery system, including pressure at source, distribution mains, valve manifold boxes, drops, and points of use where applicable.	21-May		Duplicate. Refer to above response.
103	Plumb/Mech	Please identify the gas delivery system connection/tie-in points and confirm the required connection type. Should the tie-ins be face seal connections, such as Swagelok VCR, or another connection standard?	21-May		Duplicate. Refer to above response.
104	Plumb/Mech	Please confirm whether the 1/4 inch drops are to use the same connection type as the gas delivery system tie-ins, such as face seal/Swagelok VCR connections, or whether a different connection type is required.	21-May		Duplicate. Refer to above response.
105	Plumb/Mech	Please confirm whether point-of-use pressure reducing regulators are required. If required, identify whether they are to be located at each point of use, incorporated into the valve manifold boxes, incorporated into gas sticks, or provided elsewhere.	21-May		Duplicate. Refer to above response.
106	Plumb/Mech	The diaphragm valves are proposed to be furnished with 1/2 inch male face seal connections, which are understood to be an industry-standard serviceable connection. Please confirm whether 1/2 inch male face seal connections on diaphragm valves are acceptable for this project.	21-May		Duplicate. Refer to above response.
107		Section 115300 references OFCI and CFCl equipment items, but these items were not located in the drawings based on subcontractor review. Please identify the equipment items Section 115300 is referring to, including drawing locations, tags/schedules, furnishing/installing responsibility, and whether these items are included in the lab casework/fume hood scope, by Owner, by others, or excluded.	21-May		Section 115300 refers generally to equipment only. Equipment listed on the AQ 600 series drawings are OFOI, and are provided for reference for in contract services (piping, plumbing, power, exhaust, etc.). Items such as fume hoods, casework are clearly specified elsewhere and are part of the construction contract.

RFI	Subject	Description	Date Submitted	Drawing/ Spec	Response
108	structural	For Material Lab Room 113, the rigging scope references installation of overhead cranes with cranes/white steel by others. Please provide drawings, details, layout, dimensions, support/attachment information, and any installation requirements for the overhead cranes and associated white/gray steel	21-May		Refer to S-101 and S-102. Some people did not receive the corrected link that were sent out pre-walk through that included S-101 and S-102 in the drawing package. If this link is required, contact patricia.mcbride@daimlertruck.com. Update Addendum 2 incorporates the latest
109		The rigging scope identifies due-care removal and reinstallation of listed Material Lab Room 113 equipment, including overhead cranes, Jet equipment, Struer machines, Tannewitz band saw, large cabinet, and miscellaneous equipment. Please confirm whether all listed equipment is to be reinstalled, whether any listed equipment is not to be reinstalled, and whether any additional equipment is to be installed or relocated.	21-May		Owner is responsible to have all existing lab testing and machining equipment removed and reinstalled. The removal of this equipment will be completed prior to the beginning of the work in this package. Existing crane system removal and P&I of the new crane systems is a responsibility of this Contractor. The crane rails are to be scrapped. The existing hoists are to be salvaged and turned over to the Owner.
110	plumb/mechan	For the existing rooftop RTU that is to be removed with due care and left onsite, please provide dimensions, weight, lifting points, required handling restrictions, and any roof protection or staging requirements needed for rigging.	21-May		HED defers to Owner on existing unit information required for rigging.
111	plumb/mechan	For the new rooftop RTU to be installed, please provide dimensions, weight, lifting points, curb/support information, delivery constraints, and any handling restrictions required for rigging.	21-May		HED defers this information to be coordinated with contractor and manufacturer during procurement process.
112	plumb/mechan	For the four rooftop exhaust fans to be installed, please provide dimensions, weights, lifting points, curb/support information, and any handling restrictions required for rigging.	21-May		HED defers this information to be coordinated with contractor and manufacturer during procurement process.
113	plumb/mechan	Who is responsible to provide and install the AIRGAS MODEL Y11-CP120B(CGA),OR EQUAL, AUTOMATIC HIGH PURITY CHANGE-OVER PANEL W/ANNUNCIATOR CONNECTION?	21-May		Duplicate. Refer to above response.
114		. At the walk through yesterday there was a mention of an addendum; when will the addendum be released? 2. To provide accurate an bid, we request that the addendum be released soon bid due date be extended by at least a week.	21-May		Duplicate. Refer to above response.
115	plumb/mechan	Per note PD-01: DISCONNECT AND REMOVE EXISTING PLUMBING FIXTURES WITHIN WORK AREA. REMOVE BRANCH PIPING BACK TO EXISTING MAIN AND CAP. CUT AND CAP SANITARY AT FLOOR AND PATCH. 1. Please provide details about existing plumbing fixtures and branched piping to be removed. 2. At the walk through it was mentioned that this might be required at more than one location. Kindly confirm all locations.	21-May		Duplicate. Refer to above response.
116	General	Is there a specification manual for this project?	21-May		Refer to S-101 and S-102. Some people did not receive the corrected link that were sent out pre-walk through that included S-101 and S-102 in the drawing package. If this link is required, contact patricia.mcbride@daimlertruck.com
117	Arch	Is there any more additional information on Crane system 1 and 2? Referenced but can't find a scope of work, basis of design or specification.	21-May		Refer to structural drawings.

RFI	Subject	Description	Date Submitted	Drawing/ Spec	Response
118		Please review and confirm the complete crane/rigging scope for Material Lab Room 113 and rooftop work. The subcontractor noted there was limited information available for rigging work. Please identify any additional rigging, removal, relocation, installation, staging, protection, or coordination scope that should be included.	21-May		It is the Contractor's responsibility to determine exactly what is to be based on the drawings. The scope at a minimum is to remove the existing RTU, and install the new RTU and new exhaust fans and related utilities
119		The bid invite includes the Metal Panels scope, but the subcontractor is not seeing metal panels in the project documents based on their review. Please confirm whether metal panels are included in the project scope. If included, provide drawing locations, details, panel type, finish, extent of work, and applicable specification section. If not included, confirm the Metal Panels bid package should be removed/excluded.	21-May		Refer to sheet A-101.
120		Please provide or confirm the exposed ceiling height in Materials Lab 113 for pricing and scope coordination.			Refer to the Structural drawings.
121		The subcontractor indicates their casework and fume hoods by ICI Scientific can meet the project specifications but require approval before bidding. Please provide the required substitution request form and confirm the submission process, required supporting documentation, deadline, and whether ICI Scientific may be submitted as a proposed substitution or approved manufacturer for this project.			Owner determination.
122	Arch	Please provide specifications, basis-of-design information, and hardware sets for the FG-AL doors. Include door/frame/glazing requirements, hardware set numbers, finish, performance requirements, and any applicable manufacturer or product requirements needed for pricing.			Refer to Addendum and revised Sheet A-601.
123	Arch	There are 3 openings in offices 101 & 102 that have glass but there are no elevations. Can you please confirm if they are half wall openings similar to the fire rated openings on 3/A-201 or if they are full height? Door 103 is not shown on the door schedule. Please advise what kind of door this is and if it is to be included in our scope.			Refer to Addendum 1.
124		Where is the removed equipment going? Are we responsible for haulint it to scrap? Or is it staying on site? Will any equipment be removed or installed within the analytical / inorganic chemistry lab or the tribology / mechanical testing chemistry lab?			Owner is responsible to have all existing lab testing and machining equipment removed and reinstalled. The removal of this equipment will be completed prior to the beginning of the work in this package. Existing crane system removal and P& I of the new crane systems is a responsibility of this Contractor. The crane rails are to be scrapped. The existing hoists are to be salvaged and turned over to the Owner.
125		Who is responsible for painting of newly installed pipe?			GC to determine