

ADDENDUM NO. 4
Early Subcontractor Involvement (ESI) 4 – Core & Shell MEP Package
Competitive Negotiation

This addendum provides information to clarify or adjust construction items which may affect any or all trade contractors. The original documents for the referenced project are amended as noted in this addendum and made part of said documents.

BID DATES

FINAL DUE DATE: **Friday, August 7th, 2026 at 3pm EST**

GENERAL

RFI log including responses included.

Updated Bid Breakdown Forms for #023.01 and #026.01.

Excel file for Bid Breakdown Forms

End of Addendum

Walsh Turner JV

01 26 13 Requests for Information Log

Project: UK Chandler ESI-4

Bid Date: 7/31/2026

RFI Deadline: 7/16/2026

Estimator	RFI Number	Question	Response
	1	In the Equipment Responsibility Matrix, the following Plumbing items are listed as, “Pre-purchased Equipment Vendor” •MAC-1 •MVP-1 •MPV-2 •A-1 The plumbing equipment drawing P001 does not note that these specific pieces will be pre-purchased. Please verify who will be responsible for furnishing these items.	All equipment listed in the Exhibit B.3 Equipment Matrix designated "pre-puchased equip supplied" shall be purchased by others. The Exhibit B.3 governs the responsibility of the purshaser of equipment, not the drawings.
	2	M&P Allowances - Scope of Work indicates 5 allowances but the Bid Form has multiple allowances for #6 and a #7. Can these be clarified?	Updated Bid Breakdown Forms (BBF) & EX B.2s will be issued with the Addendum. Allw #1-4 from the BBF will be assigned to the Mechanical scope. Allw #5-7 will be assigned to the plumbing scope.
	3	Bid Form Item Plumbing #49 - Please confirm that the temp Steam should be Natural Gas per the Scope of Work.	Confirmed - Natural gas.
	4	Bid Form Items Plumbing #31-43 - Since no ZVB or Finished Walls are installed in the Core & Shell should all Medical Gas Alaram Panels be installed in the Fitout?	Follow med gas plans within C&S documents for scope of work to be priced. Bidding subcontractor shall provide a SF cost for fit out of the patinet floors. A separate line will be added to the BBF for the fitout SF estimate.
	5	Bid Form Item Plumbing #25-26 - Please confirm that these are the same, Foundation Drainage and Perimeter Drainage.	There is UG floor drain piping under the basement tunnels and drainage tile at the perimeter of the building. All scope shown on C&S drawings shall be included.
	6	Storage Warehouse - Scope of Work # 67 States 24 Months but # 78 States 36 Months. Please clarify the correct duration	36 months.
	7	Prepurchase Equipment - Item #68 states to "purchase". Please clarify that we do not purchase this equipment.	All equipment in the Exhibit B.3 designated with "pre-purchased equip supplied" will be purchased by others. The purchase in #68 is meant to provide scope coverage between the supplier and the installer. Installer shall coordinate with the purchaser prior to equipment release.
	8	Prepurchase Equipment - Please clarify that all factory start-up has been included in the prepurchase equipment package.	Factory startup will be purchased with the 3rd party vendor.
	9	Prepurchase Equipment - Please clarify that all factory equipment warranties are included in pre purchased equipment package. This includes extended warranties for utilizing equipment for temporary heating & cooling.	Factory warranties will be carried by pre-purchased equipment vendor. Installaion warranties by bidding subcontractor. Any extended warranties for temporary use need to be by bidding subcontractor.
	10	Prepurchase Equipment - Please confirm that all factory testing of equipment is included in prepurchase equipment package. This would included all costs associated for owner visits, if applicable.	Confirmed.
	11	Bid Form Item HVAC #06 - VFDS Installation. Mechanical can coordinate location of VFDS, but installation will be by electrical. Specifications state by Div 26. Please confirm this is applicable.	Mechanical to provide. Electrician shall install. Both shall coordinate.
	12	Temporary Plumbing - Can a Waste and Vent Stack be utilized for temp restroom pods ILO a temporary stack?	Yes - permanent risers need to expedited for use then.
	13	Temporary Plumbing - A temporary booster pump will be required for the temp restroom pods. Please confirm power is by others.	Power shall be by Div 26.
	14	Prepurchase Equipment - Who is responsible for all maintenance of stored equipment; vendor or contractor?	Subcontractor.
	15	SoW Item 48 & 65 - Typically all flow meters and energy meters that are inline piping devices are provided by the Controls Contractor and installed by the Mechanical Contractor, similar to control valves. Can these devices be provided by Control Contractor?	Yes, however, coordination and installation shall be included in pricing.
	16	Bid Form Plumbing Item #45 - Is this item reference the medical & instrument air piping? There is not a back of house / maintenance Air Compressor referenced in the documents.	Yes.
	17	Sheet P902 - Detail 9 shows an flow sensor in the overflow storm piping. Will the sensor and associated wiring and panel be provided by the Control Contractor?	Sensor and wiring shall be by C&S subcontractor.
	18	Sheet PS100 - Please confirm that the final connections to Wall Hydrants and the Ground Hydrant piping stub is included in the Fit Out.	Final connections to hydrants shall be by C&S subcontractor.
	19	Sheet PS102 - Is the Drain Pan allowance to be used to for the pans required for piping the 3rd floor drains above the ORS?	Drain pan allowance to be utilized at WTJV's discretion, whether on L3/4 above major electrical equipment or eleswhere.
	20	Shell Floors - Do we need to include any temporary Unit Heaters or Fan Coil Units on the shell floors?	If not shown on the C&S drawings, do not include in pricing.
	21	Elevator Equipment Rooms - Do we need to include any FCUs or Split Systems for these rooms or will they be part of Fit Out?	If they are not currently shown, these systems will be part of the fit out packages
	22	Fitout or C&S: Piping off Risers - The flow diagrams show strainers, balance valve, pressure gauge all downstream of the floor isolation valves. Should this piping downstream be included in C&S or Fit out?	If piping, strainers, balance valves and guages are shown on the C&S drawings, include with pricing.
	23	P&P Bond - Item #11 on BP#023.01 Can this be an alternate ADD on the Bid Breakdown Form?	Disregard #11. Project will utilize a SDI and P&P bonds will not be required.
	24	Fan Curbs - Since all Fans are included with the Prepurchase Equipment Package the vendor typically includes the curbs for these fans in their quote. SoW Item 35. Please confirm if we need to include the curbs.	For the purposes of this pricing exercise, include all curbs in pricing.
	25	Prefabrication - SoW Item #28. Can this item be removed. We will be fabricating piping and ductwork for the 3rd & 4th Floors prior to those floors being ready.	#28 will remain in the scope, however, WTJV understands that prefabrication will be utilized. The scope item covers coordination and verification of any material not prefabricated.

	26	Louvers - Please confirm who is to procure and install the louvers.	Louvers integral to the exterior of the building shall be by others. Any other interior louvers shall be by mehanical trade.
	27	Exhibit B.2 Line Item#44 “Include 3 valves outside of the shafts for the fit-out contractor to tie into at a later date.” Please clarify if one of these options is the intent. • 3 separate stub outs per system on every floor with a valve and a cap • One stub out per system on every floor with 3 separate branch lines, valve and a cap. If one of these scenarios isn’t the intent, please clarify.	See attachment with Addendum No. 3. It is (3) extra valves not, not (3) stub outs. (2) valves are the connection for fit out and then one valve is the bypass valve. Include (2) ports per stub out for future chemical injections and flushing.
	28	Expansion Tanks - CHH-ET-03-01 thru -05, CHH-ET-04-01 thru -06 – Provide system volume gal, max operating psig, tank capacity gal, and style	This was not developed during DD. Updated schedule included.
	29	Air Separators - CHH-AS-03-01 thru -04, CHH-AS-04-01 thru -05 – Provide flow gpm, size in, max PD, strainer y/n	This was not developed during DD. Updated schedule included.
	30	Steam Safety Relief Valves - Steam SRVs (Unlabeled) – Any labeled steam SRVs that would want to be provided by the mechanical contractors, along with pressure setting psig and manufacturer/model	This was not developed during DD. We can provide updated schedules for the PRV relief valves. Refer to detail for steam relief valves for steam to hot water heat exchangers, clean steam generators, and other steam equipment.
	31	Exhibit B.1, section 11, item 7 says we shall participate in a Pre-Apprentice program if one exists. I don’t see any other mention of this in the Bid Manual or specs. Can you please confirm there will not be a pre-apprentice program on this project? If there will be one, please provide details.	A Pre-Apprentice program will exsit for the project however it has not been detailed yet. Further information will be provided closer to final contracting.
	32	For work in the existing hospital (for example, backfeed of med gas piping/wiring to new panel), please confirm that any infection control requirements, ceiling removal/replacement, any drywall cutting/patching, etc. will be by others.	ICRA will be provided bhy others. Subcontractor shall include ceiling removal and drywall removal. Patching and replacement by others.
	33	Are we to include labor and material escalation in our proposal? BP #023.01 item 5 (and various other sections within the Bid Manual) says to include all material and labor escalation for the project through the warranty period. However, in the RFQP section 4.6, second bullet point says “formulate the estimate in current-day dollars and provide a separate recommendation for escalation values for discussion with the Walsh Turner JV in the future.” Please clarify whether we are to include escalation in our proposal or provide a separate cost. If we are to provide a separate cost, where are we to note this?	Provide separate material & labor escalation recommendation, but value shall be included in Subcontractor’s total. A line will be added to the BBFs.
	34	In the RFQP section 4.6, third bullet point, it says we are to identify a recommended contingency amount. Are we to carry this recommended contingency amount in our proposal or provide as a separate cost?	Provide separate contingency recommendation, but value shall be included in Subcontractor's total. A line will be added to the BBFs.
	35	Please confirm who is responsible for concrete housekeeping pads. BP #023.01 item 30 says to include all concrete pads, but drawing notes say “By GC”.	For the purposes of this pricing exercise, include all concrete pads. Provide breakout on BBFs.
	36	Please confirm whether or not Hot Water Maintenance Cable (spec section 22 11 40, section 2.10) is required as part of the Core & Shell proposal. If it is required, please clarify where it is to be installed.	No water heat maintence system required. Below Slab kitchen grease waste piping requires heat trace as indicated on documents
	37	BP #023.01 item 51 says we are to coordinate with the temperature controls subcontractor to eliminate scope gaps. Who are we to coordinate with prior to bidding since TCC is not in our scope?	Controls contractor shall be awarded in Q4-2026. Intent of this scope item is for mech contractor to coordinate with controls contractor after both awarded between award and GMP submission in 2027 so all scope gaps are eliminated.
	38	8. Questions related to BP #023.01 item 62, Temporary Plumbing: • It says we are to install six (6) 6” sanitary risers, two (2) restroom pods, and one (1) mop sink per floor. Are we only installing two restroom pods and one mop sink per floor, or two restroom pods and one mop sink at each of the six temporary riser locations? • Please confirm we are installing temporary restroom pods and mop sinks on all floors.	(2) restroom pods and (1) mop sink per floor. Follow the narrative for approximate riser location: podium & in towers to offer flexibility of restroom location. Restroom pods will be laid out during the precon phase.
	39	Please confirm whether or not seismic bracing is required for plumbing & mechanical components. The structural drawings indicate a seismic design category of “A”, which does not require seismic bracing, however there are seismic bracing specs in Div. 22 & 23.	Seismic is not required.
	40	BP #023.01 says we are to furnish and install heat trace, however drawing P000 “Scope Of Work Assignment Among Trade Divisions” indicates Div. 22/23 is to furnish heat trace and Div. 26 is to install heat trace. Please clarify responsibilities.	Bidding subcontractor shall furnish and install heat trace for their own work.
	41	Can you please clarify material specs for all plumbing systems? There is contradictory information, depending on which document you refer to: Drawing P001 “Plumbing Materials” table, Section 00 41 00 Bid Breakdown Form, various plumbing specifications, and the University of Kentucky Design & Construction Standards. Which document takes precedence? If you could issue one concise spec table for all plumbing systems (similar to the table in 23 20 00), that would be appreciated.	Refer to specifications included with DD drawing package.
	42	On Drawing P001, the grease interceptor schedule for GI-1 & GI-2 calls for concrete deadmen and hold down straps. Please confirm these are not required for these two precast concrete grease interceptors.	Include hydrostatic uplift anchors per manufacturer requirements
	43	Are there any mock-up requirements related to BP #023.01 Plumbing, HVAC, & Medical Gas?	No.
	44	The decontamination tank (DT-1) is specified around an HDPE model, however the Bid Breakdown Form lists “concrete underground decontamination tank”. Is one material type preferred (HDPE vs concrete) or is either acceptable?	HDPE tank required
	45	Would it be possible for the engineer to provide a sanitary waste & vent riser diagram to assist with bidding?	DRAFT CD riser diagrams attached.
	46	Drawing P100 says this drawing is for coordination of site utility locations/inverts, however there is piping indicated on this drawing that does not appear on PS10B. Do we only assume what is indicated on PS10B for core & shell pricing? See images in attachment.	Include all piping on both P100 & PS10B.
	47	Drawing PS10U has a note stating, “Provide allowance for foundation & perimeter groundwater drainage system.” Nothing is indicated on the drawings. Can you please provide a sketch (or narrative) showing where foundation/perimeter drain piping is required and installation details showing excavation/backfill/geotextile fabric requirements?	Assume drainage tile is below the lowest foundation at the perimeter of the entirety of LL and GL. Excavation & backfill by others.
	48	Drawing PS10U shows sanitary mains dropping into the pump pit and numerous floor drains not connected to the mains. Are we to assume collecting all of these floor drains and tie them into the sanitary mains indicated? See images in attachment.	Correct. All basement floor drains connect to the ejector basin

	49	Drawing PS10B has a note regarding heat trace and insulation of underground grease waste. It says to allow for 635 ft of cast iron and 885 ft of PVC. Grease waste piping actually indicated on the drawings just caps inside the building and connects to the two grease traps outside, so there’s not much footage that appears to be required as part of the core & shell. Are we only allowing extra heat trace & insulation to account for work that will be part of the fitout? Or are we to assume furnishing & installing the actual pipe & fittings as well per the footage allowances given (635 ft of cast iron and 885 ft of PVC)?	Include length of piping noted.
	50	There are various plumbing lines that just stop with no notes or information. Do we just assume for the core & shell that we stop and cap at these locations? See images in attachment.	No. Core and shell to include complete stacks and risers.
	51	Drawing PS100 has numerous wall hydrants (WH-1) and ground hydrants (GH-1) indicated that either show no water piping at all, or very little that is not connected to domestic water mains. See examples below. For core & shell do we assume we are installing as drawn and the fitout contractor will make final connections? Or are we supposed to assume additional piping to connect wall & ground hydrants to the domestic water mains?	Cap water piping at ceiling for fit-out contractor connection
	52	There is a Helipad Drain at approx. column line M/4 that runs up through the tower to the roof. The notes say “Add Alternate”, however this isn’t listed on the bid form, bid breakdown, etc. Is this line to be included in the core & shell base bid? Or should it be an add alternate as noted? Also, what material should the Helipad Drain piping be?	All mains up to Helipad location shall be included in pricing. Final connections to future pad by others.
	53	Drawing PS102 shows numerous floor drains and plenum drains throughout the whole floor with minimal piping off of each. Are we to assume collecting all of these drains and piping back to mains/risers as part of the core & shell pricing? See images in attachment.	Yes. Include all collection and vent piping to core and shell stacks
	54	Drawing PS102 has a note saying, “provide an allowance for double wall containment piping, drip pan, and leak detector for all plumbing located within the operating rooms.” Please confirm that this is not required as part of the core & shell pricing. If this is required in core & shell pricing, please clarify where OR’s are located, where double wall piping is required, confirm double wall piping AND drip pans are required, indicate where drip pan drain piping is to terminate, and provide information regarding the leak detection system.	Double wall piping is now indicated on the documents.
	55	Please confirm that plumbing risers labeled “Fitout Risers” are not to be included in core & shell pricing.	Confirmed, all risers shall be included in pricing.
	56	Please confirm that all irrigation piping/risers beyond the backflow preventer will be by others.	Confirmed.
	57	There are tags at each floor at each group of plumbing risers for DS-1 & DS-2. It appears these have to do with the digital sensors called out in the general note on each plumbing drawing, however, no information is given on the drawings or in the specs. Please provide a basis of design or a schedule with more information on DS-1 & DS-2.	Watts Nexus system will be basis of design
	58	Drawing PS102 indicates a 6” MV (vacuum) and 4” MA (air) to be interconnected to the existing PAV A Building. Do we stop and cap where the piping is shown stopping at column line R? Or are these two lines supposed to run somewhere within PAV A and tie-in to existing?	This scope has been deleted from the project scope as a cost savings measure
	59	Please confirm our tie-in point for Oxygen piping will be in the basement mechanical room at the adjacent tunnel. We assume all piping from the new bulk tanks to the tunnel and all oxygen piping within tunnels to new mechanical room will be by others. Also, please confirm there is no Oxygen backfeed required to PAV A.	Correct on scope of work
	60	Please confirm all concrete pump pits and associated lids/covers/grating will be by others.	Cast-In-Place concrete pits cast into mat slab or foundation will be by others. Lids/covers/grating shall be by plumbing / mechanical subcontractor.
	61	Drawing P902, Detail 6 shows an overflow storm drain sensor system. Can you please provide a basis of design manufacturer/model for the preferred system?	Zurn/ Froet is basis of desin
	62	Please confirm the extents of natural gas piping required as part of the Core & Shell. Piping is shown leaving the gas meter (NG-1), entering the building, then nothing else is shown.	Kitchen fit-out scope will extend piping from inside exterior wall
	63	Can the deadline for questions be extended past 6/25? Or will there be time allowed after addenda are issued to ask follow up questions, if needed?	Previously extended.
	64	Spec Section 22 11 10, 2.1C, part G – Is Victaulic series 250s butterfly valve acceptable with grooved Victaulic Stainless Steel system? Valve meets all requirements in table: 200psi CWP rating, ductile iron body, stainless steel disc, grooved end, fleuroelastomer seat, NSF/ANSI 372 standard approval.	UK requested basis of design is Milwaukee high performance butterfly valve
	65	Spec Section 23 20 00, 2.3, Part 3 – B. Mechanical grooved fittings Part 4 – Can Victaulic V-series V10 elbow be used for hydronic piping applications? V10 elbow has been installed across UK campus including UKHC Cancer and Ambulatory Care Center, and within UK Chandler Hospital.	Yes, they are allowed and are listed in the specifications under section 2.3
	66	Spec Section 23 20 00, 2.3, Part 4 – C. Hole Cut Products – Can Victaulic Series 920/920N mechanical tees be utilized for 2” and below branch connections? Per UK design and construction standards Section 23.21.13 – 3 – F dated 03/26: only strapless branch outlets are prohibited- Series 920/920N are not strapless.	TBD, need to discuss with UK. Follow UK standards for pricing.
	67	Can Section 00 41 00 Bid Breakdown Form be supplied to subcontractors in Excel format?	Excel sheets will be shared; however, if WTJV finds out that the sheet has been modified in any way, bidder will be disqualified. No changes, modification, additions, or subcontractions to the current sheet are allowed.
	68	Can Section 00 43 26 Labor Rates be supplied to subcontractors in Excel format?	Yes.
	69	Can Section Labor and Billing Projections be supplied to subcontractors in Excel format?	Yes.
	70	BP #023.01 Allowance #2 calls for 2000 LF of 4” wide drain pans with 2000 LF of 2” drain piping. What will these drain pans be used for? Do they need to be stainless steel or galvanized steel? Is 2” deep acceptable?	Stainless steel is acceptable and 2" is acceptable. See RFI#19 for further explanation.
	71	BP #023.01 Allowance #5 says to include four (4) additional temporary water & drain hookups per floor and “assume scope as listed for item 62.b.” Scope item 62.b is about Brickeye monitoring valves. Please clarify what is required by Allowance #5 as far as pipe sizing, pipe footage, etc.	include (4) 2" temp water risers (1 per tower). Include stub out at each riser per floor. Assume 20' for each stub out at each riser per floor with valves water connection at the end of the stub out.
	72	On drawing P510, Detail B3, there is support steel shown within the Building Utility Tunnel that supports all systems. Who is responsible for furnishing and installing all of this support steel?	Support steel for thermal piping is by others. Any other support for MEPs installed in the tunnels by C&S subcontractor is by C&S subcontractor.

	73	For Pre-Purchased equipment, will all scheduled accessories be part of the Pre-Purchased package? For example, all medical gas source equipment (MAC-1, MVP-1, MVP-2, & IA-1) note spring isolators in the Schedule Remarks on drawing P001. Will those be furnished to us with the equipment or will we be responsible for providing those?	That is the intent, yes. Subcontractor however shall include all necessary coordination to ensure the pre-purchased equipment release includes all necessary accessories and requirements.
	74	For Level 0B and Level 00, what elevation is solid rock being removed down to below the finished floor elevations?	For basement, excavation will be down to bottom of mudmat elevation. For all other elevations at grade, excavation depth needs to be assumed at 2" below mud mat.
	75	For Level 0B and Level 00, what is the subgrade elevation that will be backfilled to after solid rock removal? And what material will the backfill be?	No reuse of excavated material.
	76	After we excavate for new underground plumbing, are we able to reuse fill material that was already in place?	Assume all existing material is be hauled off and new material imported for fill.
	77	Are labels required for individual penetrations for firestopping? These were removed from the scope of work on another UK healthcare project we’re currently doing. Please confirm whether or not they will be required for this project.	Firestopping scope needs to include furnishing, installing, and labeling by a 3rd party, certified installer. Cost for this scope to br broken out on the BBF.
	78	It was mentioned at the pre-bid about the possibility of having two separate packages for the Plumbing and HVAC, and then a Combo price for both. As it stands right now, the scope of work in Exhibit B.2 encompasses ALL Mechanical (BP #023.01) trades (Plumbing, Medgas & HVAC). There are no individual scopes of work for a) Plumbing/Medgas, or b) HVAC, only the combined package. At the moment, there’s no way to discern which scope items in Exhibit B.2 belong to either the Plumbing/Medgas or HVAC scope. For example, item 56 of Exhibit of B.2 deals with a scaffolding landing platform to be used for material handling. Both Plumbing/Medgas and HVAC packages would use this platform for their own purposes. Same goes for items 57, 60, 66, 67 & 78, among others. Additionally, looking at Section 00 41 00 Bid Breakdown Form, there are items under either Plumbing/Medgas or HVAC that should be with the other. Hence, the breakdown form isn’t a way to divide work responsibilities correctly. For example: a) Item 001 Preconstruction Assistance is listed at the top of the page before work scopes, not in either specific category. If individual package descriptions/scopes/bid breakdowns are created, would this category apply to both Plumbing/Medgas & HVAC? b) Under the Plumbing section, item 049 “Temporary Steam Riser For Temp Heat” is listed. Should this item be an HVAC item, if required, on this project? c) Under the HVAC section, item 038 “Trailer Complex Temporary Water & Sanitary” is listed. Should this item be a Plumbing item? d) Under the HVAC section, item 049 “Concrete Equipment Pads” is listed, however this same item is not listed under Plumbing. Is it safe to assume the Plumbing/Medgas package would provide their own equipment pads? e) Allowance #1 – Project Technology is only listed under HVAC. Is it required for Plumbing/Medgas also? f) Allowance #2 – Drain Pans is only listed under HVAC Bid Breakdown. What is the purpose of the drain pans and drain piping and is it required for Plumbing/Medgas as well? g) Allowance #3 – 5,000 BIM Hrs For 3-Person Team is only listed under HVAC Bid Breakdown, but Exhibit B.2 doesn’t discern between Plumbing/Medgas or HVAC. Are additional BIM hours required for Plumbing? h) Allowance #4 – 60,000 Journeyman Work Hours Premium Time Differential is only listed under HVAC. Are any premium time hours required for Plumbing/Medgas? Is Premium time considered to be overtime or double time as it relates to this request? i) Allowance #5 – Additional Temporary Water & Drain Hookups are listed under HVAC Bid Breakdown. Should this item be a Plumbing item? j) Allowance #6 is listed under both Plumbing & HVAC, however there is no Allowance #6 listed in BP #023.01. k) Allowance #7 is listed under Plumbing, however there is no Allowance #7 listed in BP #023.01.	On the BBF, "Core & Shall Plumbing & Med Gas" is the section for the combo plumbing and mechanical package. The total for that package is the first yellow row on the second page. On that second page, "Core & Shall HVAC" start the mechanical scope. The second yellow row is for the total of the HVAC package. The third yellow row is for the combined total if subcontractor chooses to submit a combined price. Follow the scope of work. #56 - platform to be provided by mechanical and used by all. #57 - crane to be provided by mechanical and coordinated with GC for other trades use. #60 - scope by mechanical. #66 - warehouse provided by mechanical and shared by mech/plumbing. #67 - off-site storage to be provided by mechanical and used by mech/pre-purchase equipment vendor. #78 - is the same as #66. . a) yes, the precon assist value should correspond with whatever scope the subcontractor is pricing. If only pricing plumbing/med gas, then the precon assist value would be only for the scope. Same with HVAC. If it is combo price, the precon assist value should correspond with the precon efforts needed for both plumbing/med gas and HVAC. b) this is meant to be a temp rise for natural gas. c) yes, by plumbing. d) yes, equipment pads for plumbing/med gas will be added to the BBF. e) yes, this will be added to the BBF. f) see previous RFI responses. g) yes, a BIM allowance will be added to the BBF. h) yes, a OT allowance will be added to the BBF. i) yes, BBF will be updated. j) See updated BBF. k) same comment as j.
	79	On the bid breakdown form for “Total Combo Bid”, it states this total should match Base Bid Total on 00 41 16 Bid Proposal Form. The Bid Proposal Form does not have a corresponding “Base Bid Total” on it. Please clarify.	Disregard language. Provide requested info on both forms per the forms.
	80	Will the slide presentation used during the pre-bid be made available in an addendum?	Presentation will be shared.
	81	During the pre-bid meeting, one of the slides related to the Equipment Matrix indicated that the Pre-Purchased Equipment Vendor = provided by others, but that the subcontractor needs to include all coordination, planning, receiving, installation, startup & commissioning. According to the specifications in 230500, wherever the term “provide” is used in the specifications it will mean “furnish” and “install”. Please clarify if the pre-purchased equipment vendor is “installing” their equipment.	Pre-Purchase Equipment Vendor is purchasing ONLY. All coordination, planning, receiving, installation, startup & commissioning will be by Subcontractor. Storage should also be included.
	82	Within the RFP (pg 5 of 10) section 4. Rating Structure, it list points for five (5) categories in section 4.2. For section 4.6 – Estimate it lists six bullet points. The first bullet is basically instructions to the bidder. The next five items are action items for the subcontractor with accompanying forms to fill out. Is the grading structure for each of the five action items equally distributed, or is one or two items worth more than the others?	There is not a grading system for each individual section. The grading structure for the overall proposal is provided in 4.2. Each section will be graded wholistacllay based on how the Subcotnractor responds to the individual points.
	83	It appears that condensate drain piping is by the HVAC package. There is not any condensate drain piping indicated on the HVAC drawings, in the scope of work or even on the Bid Breakdown. The only mention of condensate drains are on Details M21-16 & M21-17 on drawing HS902, and other details, and states that all pipe is full size of drain pan connection. What is the size of the drain pan connections for all AHU’s, FCU’s, BCU’s, CRAC’s and Split Systems? What is the routing of all condensate drain piping?	Yes, condensate drain piping will be by the mechanical contractors and has not yet been developed. Condensate drains will be ganged together from fan coil units and routed to the nearest storm drains. AHU condensate drains will be routed to adjacent floor storm drains in the mechanical room.
	84	The specification for Atmospheric and coil condensate drains and vents (section 23 20 00) in Table C (pg. 7 of 16) lists DWV type T-Wye fittings for 2” & less and also for 2-1/2”-4”. There is also a Footnote indicating to shop-assemble sweat end DWV tee-wye fittings with Type L stubs, and then use press connection fittings in the field. Please note that DWV fittings do not exist below 1-1/4” pipe size. a) How are we to pipe condensate drain piping if smaller than 1-1/4”? b) Are press type fittings allowed for 90’s and 45’s?	For piping below 1 1-4" pipe size, use either threaded or compression fittings. Press fittings are allowed for 90's and 45's.

	85	Refer to Exhibit B.2 Items 66, 67 & 78 related to warehouse rental requirements: a) Item 66 says 150,000 SF <u>conditioned warehouse</u> (in Lexington) for 36-months b) Item 67 says <u>off-site storage</u> for all HVAC eqpt (Pre-Purchase and by subcontractor) for 24 months (does not mention to be in Lexington) c) Item 78 says a conditioned warehouse sufficient in size to store all equipment for a 36-month rental period (does not mention to be in Lexington) Please confirm requirements of warehouse specifications and durations and is it to be included our pricing, or is it just a unit price?	Items a. and b. need to be included in pricing. Item a. Both storage facilities should be in the Lexington area for ease of delivery and material verification by WTJV, UK, and subcontractors.
	86	For any Pre-Purchased Equipment, will any be provided with Start-up, if so which equipment.	Factory startups shall be determined by the spec requirements.
	87	Please confirm the field finished jacketing that will be required on exposed pipe insulation in mechanical room areas on this project. o 22 11 40 Plumbing pipe insulation specifications call for canvas jacket on all mechanical room pipe. o 23 07 19 HVAC pipe insulation specification schedule does not show any jacket requirements for exposed / interior pipe insulation. o There is one note under the Removable Flange Insulation requirements that states all exposed pipe insulation to be field finished with a painted .040 PVC jacket (aluminum on HPS).	Per UK standards provide the following:Exposed piping in any room and all piping in mechanical rooms shall have an 8-ounce canvas jacket applied over the fiberglass factory ASJ/SSL jacketing to further protect the insulation from abuse. This jacketing must be properly applied with lagging adhesive, such that the outer surface is smooth and free of wrinkles. The canvas jacketing in all mechanical areas is to be prepared for painting and then painted according to the University of Kentucky standard piping color coding All chilled water piping insulation shall be completely sealed so that a perfect vapor barrier is achieved. Refer to 230553 section for University of Kentucky color coding for Mechanical Piping.
	88	Will non-domestic cold & hot water pipe (NDCW, NDHW, NDHWR) require insulation?	Yes
	89	Will above slab trap primer pipe require insulation?	No. UK has accepted trap guards in lieu of water based primers
	90	Plumbing insulation specifications call for insulation of waste pipe receiving indirect condensate. In this situation will insulation be required from the branch pipe to the main or the entire run to the waste stack?	Branch pipe to main
	91	23 07 19 states all HGLS & HGLR piping to be externally insulated. Does this include some of the piping shown on drawing HS200 which seems to be for radiant floor heating purposes?	Yes, the hot water glycol piping above the overhang ceilings will need to be insulated.
	92	Specification section 23 31 10 calls for certain exhaust duct systems to be fire resistive duct or duct installed with fire rated wrap. Would this be required on the specified duct systems within a fire rated shaft?	No, with the exception of grease duct, hood exhaust ducts within shafts do not require fire wrap until they exit the shaft. This will be clarified on riser diagrams.
	93	Core-and-Shell vs. Future Tenant Build-Out Scope: Please clarify which electrical equipment, feeders, panels, devices, and pathways are included in the Core-and-Shell package and which are intended for the future build-out.	All electrical scope on the C&S drawings shall be included in the pricing. The core infrastructure package provides all distribution equipment, panels and feeders - unless specifically noted on the risrs and plans. All devices and branch wirng are part of the fit out packages with the exception of the level 3 & 4 MEP
	94	Arc Flash & Power Load Studies: Are the Arc Flash and Power Load Studies expected to be completed during the pre-construction phase of the project, or after Competitive Negotiation Services are awarded?	pre-con phase and competitive negotiation are one in the same. Initial arc load and power studies will be part of the precon assit phase.
	95	Electrical Equipment Storage: For the warehouse required for electrical distribution equipment, what is the anticipated date of the first equipment delivery?	Subcontractor shall make assumptions based on the milestone schedule provided. Further details and scheduling will be developed throughout the precon assist phase.
	96	Insurance Value of Stored Equipment: For insurance purposes, what is the estimated dollar value of the electrical distribution equipment being stored?	Approx. \$45M
	97	Temporary Facilities Metering: Will the Electrical Contractor be responsible for providing all meters for site connexes and trailers, or will each trade partner procure their own?	Subcontractor shall be responsible. The final number of trailers and meters will be developed during the precon phase.
	98	Grounding Ring Installation: Is it anticipated that the grounding ring will be completed in phases? If so, how many mobilizations should be accounted for?	Yes - assume (10) phases both underground and up the tower.
	99	Firestopping Requirements: If the Electrical Contractor is certified by the firestop manufacturer, is a third-party firestop vendor still required?	3rd party needs to be included and total cost shall be provided as spearate breakout on the BBF.
	100	Water, Ice, and Snow Removal: Does the requirement for removal of water, ice, and snow apply only to the contractor's immediate work area or the building as a whole?	Subcontractors immediate work area for their work.
	101	HVAC & Plumbing Equipment Controls: Please confirm responsibility for disconnect switches, combination starters, motor starters, VFDs, control transformers, HOA switches, auxiliary contacts, and interlock wiring for HVAC and plumbing equipment.	Follow Exhibit B.3 for equipment responsibility. Any equipment not specifically listed and assigned within the Exhibit B.3 shall be furnished and installed by Subcontractor. Electrical will provide disconnects and starters if equipment does not have a VFD or control panel. VFD's by mechanical or respective trade. Control transformers furnished by respective trade with equipment or by ATC. HOA and aux contacts should be provided with VFD or starter. Interlock wiring by ATC or respective trade.
	102	Temporary Elevator Disconnects: Is the Electrical Contractor responsible for procurement of disconnects for temporary elevators, or will they be provided by the elevator contractor?	By Div 26 - temp and/or final.
	103	Future Fit-Out Feeders: Please define the required core-and-shell termination point and confirm whether breakers, feeders, bus plugs, panelboards, pull boxes, capped conduits, or stub-outs are included.	The core infrastructure package provides all distribution equipment, panels and feeders - unless specifically noted on the risers and plans. C&S provides breakers in distribution panels for future fit out panels including conduit stubbed from distribution panels out of the electrcial room.
	104	Unit Substation Communications: Is the Electrical Contractor required to furnish and install communication cabling between the normal and emergency unit substations?	Yes.
	105	VFD Communications Cabling: Please confirm whether the Electrical Contractor is responsible for furnishing and installing Cat 6 and/or fiber-optic communication cabling between VFDs and associated BAS/control systems.	Confirmed.
	106	Site Lighting: Are site light fixtures and light poles part of the Electrical Contractor's scope? Are they contractor-furnished or owner-furnished? If light poles and fixtures are to be provided by the Electrical Contractor, is the Electrical Contractor also responsible for placing any required concrete foundations?	Site lighting is by others.

	107	Utility Interface: At what point does the Electrical Contractor's responsibility begin following the Utility Contractor’s Scope? Please define the exact point of demarcation.	Subcontractor's work begins inside the Normal and EM Switchgear rooms on the east side of the ground floor. Utility contractor will bring feeds into the room but C&S subcontractor will need to provide all equipment (as long as not included in Exhibit B.3) and make final terminations into equipment. All work inside and beyond Switchgear rooms that is shown on C&S documtns is by Subcontractor.
	108	Fire Alarm System: Is the Fire Alarm System included within the Electrical Contractor's scope? Please clarify furnishing, installation, programming, testing, and commissioning responsibilities.	No. F/A by others.
	109	Robotic Equipment Scope: Please clarify the required electrical scope associated with the Mobile Robot Plan and related equipment	Robotic electrical needs will be provided by FO subcontractors.
	110	Tube System / Process Equipment: Is the Electrical Contractor responsible only for providing power to the designated connection point, with final installation by others?	Yes.
	111	Office Trailer & Laydown Area: Please identify the designated office trailer area, allowable trailer sizes, available laydown area, and utility availability.	Assume up to (100) single wide trailers / connexes. Assume 60 amps per single wide/connex. Office area location TBD during precon phase. Assume no more than 500' from nearest electrical connection.
	112	Fiber Optic Scope: Please confirm whether any fiber optic work is included in the Electrical Contractor's scope.	No, by others.
	113	Testing: What types of testing are needed for the MV coming in and for all of the core and shell equipment. Specifically what type of Neta testing?	Refer to the project specifications for testing criteria
	114	Grounding Testing: For the grounding grid will the electrical contractor need a fall potential test and if so, to what parameters?	Refer to the project specifications for testing criteria
	115	We can't find anywhere that calls for doublewall duct. Not exposed, nor in the Mechanical areas. Is that correct?	Aside from insulated access doors and premanufactured zero clearance to combustible grease duct, there are no double wall duct requirements.
	116	We can't find a sound trap schedule. Will one be provided before the bid?	The schedule was not developed at the time of printing. See attached schedules.
	117	The structural platforms for exhaust fans will be provided by others, correct?	Structual platfroms will be provided by Div 05.
	118	Some of the schedules are blank. Will those schedules be provided before the bid?	DRAFT updated schedules attached.
	119	We need the following schedules: AHU Sound Attenuators, Sound Attenuator, Bag in Bag Out Containment Filter Assembly, Cabinet Unit Heater, Fire Smoke Damper Schedule	Schedules are attached. Still awaiting some information for some AHU sound attenuators, but the quantities are identified in the schedule.
	120	Due to the magnitude of the project, confirm it is acceptable to extend the deadline for RFI’s.	Extended.
	121	What is the correct site drawing scale ELS101A and ELS101B?	Defer to the architect/civil drawings for correct scale information
	122	Conduit and Cable sizes not shown for medium voltage drawings E600, E601 and E602.	Incoming UK normal MV feeders and all feeders from isolation switches to MVS-1 /MVS-2 sized at 2 sets of 3#500Kcmil (15KV EPR) & 1# 4/0 (600V) G in 5"C. Normal feeders from MVS-1 /MVS-2 to all building normal substations sized at 1 set of 3#4/0 (15KV EPR) & 1# 4/0 (600V) G in 4"C. Incoming emergency MV feeders from CUP and all feeders from emergency isolation switches to essentail elecgtrical switchgear sized at 2 sets of 3#500Kcmil (15KV EPR) & 1# 4/0 (600V) G in 5"C. Emergency feeders from essentail electrical switchgear to all building emergency substations sized at 1 set of 3#4/0 (15KV EPR) & 1# 4/0 (600V) G in 4"C. Medium voltage feeders sizes will be provided as part of the construction document set / issue.
	123	Incoming feeds for Medium Voltage is not shown on drawings. Where does the Medium Voltage come from?	The medium voltage normal power comes from the AEP substation expansion project. The medium voltage emergency power will orginate from the new CUP project. Refer to early site package ESP-2.
	124	On Drawing EPS303F – There are dashed lines feeding in the CHH-AHUs to several 15HP Motors. Are these prewired units or shall these feeds be included?	Provide the electrical wiring from the respective VFD to each unit motor. Typical for all equipment
	125	EPS303F show only 2 VFDs and a Blank Space feeding several 15hp Motors. Does each VFD feed several motors?	Yes, per the mechanical drawings each VFD serves 1/2 of a fan array, and has a standby VFD within the same VFD cabinet
	126	Emergency feeders are 2-hr rated, in lieu of using MI cable please confirm it is acceptable to utilize EMT and or Rigid Conduit with 2-Hr fire rated RHW cable. If not acceptable to use EMT and or Rigid Conduit with 2-Hr fire rated RHW cable, see below . 1. Does the Emergency MI Cable require an internal ground wire? 2. Is the MI Cable Allowable in Equipment rooms and damp locations? 3. The MI Cable sizes on the Emergency System Feeder Size Chart does not seem adequate for the Amperages.	Refer to the project specifications for emergency feeder requirements and criteria. RHW cable is not acceptable
	127	Drawing E607 shows 600A Breakers feeding much smaller loads.	600A breakers feed panels that will serve HVAC equipment and loads
	128	Confirm the gear package is OFCI, if so are we able to get the manufacturer type, a copy of bill of material, submittals and shop drawings for owner provided equipment?	See Exhibit B.3.
	129	Bid Manual Exhibit B.2 line 41 references “Subcontractor shall install all Electrical Service & Distribution Equipment as described in Attachment C” Please add Attachment C to the bid documents.	Attachment C is same as Exhibit B.3.
	130	Several Panels on Drawing E607 are not shown or scheduled elsewhere. (EX: 03EQ8HD6, 03Q7HD6, 17EQ7HD1, 03EQ8HE6, 03EQ5HD5, 03EQ5HD6, 03EQ5HD7, 03EQ5HD9, 03EQ5HD10, 03EQ6HD5, 03EQ6HD6 , 03EQ6HD7, 03EQ6HD9, 03EQ6HD10, 0GEQ1HD1, 0GEQ2L1, 0GEQ2HD1 and 17EQ8HD1).	Provide panels as indicated, these are being revised to coordianted with HVAC updates and revisions. Updated schedules will be provided as part of the construction document set / issue
	131	Several panels on Drawing E603 shows panels that do not have corresponding panel schedules. Please provide missing panel schedules. (EX: GEITLPD6, GEITLPD5, GCHDORD1, GCHDORD2, GIMGDHD1, GIMGPLD1, 01CHDORD1, 01CHDORD2, 01IMGDHD1, 01IMGPLD1, 02CHDORD1, 02CHDORD2, 02CHDORD3, 02CHDORD4, 02IMGDHD1, 02IMGPLD1, 03LS2LP1, 04IMGHS, 05CHDORD1, 05CHDORD2, 09CLPD4)	Price the information as shown and clarify any exceptions. Updated schedules will be provided as part of the construction document set / issue
	132	Drawing E103 shows several electrical tap box locations. What are these for?	These are intended to serve bus ducts serving lower floors and the final locations are still being coordianted.

	133	Both normal and emergency riser diagrams show panels that are hashed, confirm if these panels are to be part of the C&S scope of work.	The dashed lines represent panel(s) located in shell floors - these panels will be provided under a future fitout package and are not part of the C&S scope
	134	E603 – Electrical Emergency Riser shows panels with no panel designations, please advise on the below. Additionally confirm if these panels are part of C&S or “Fit-Out” scope of work. 1. Level G - Panel in “Nutrition”, with no panel designation, confirm it is going to remain. If it is to remain, provide the panel’s designation and provide its corresponding panel schedule. 2. Level 1 – Panel “01C____”, in LAB doesn’t seem to have a complete panel designation. Please confirm the complete panel designation and provide its corresponding panel schedule. 3. Level 2 – Panel “02C____”, in LAB doesn’t seem to have a complete panel designation. Please confirm the complete panel designation and provide its corresponding panel schedule.	These panels are intended to be provided under the C&S package. Price the information as shown and clarify any exceptions. Updated schedules will be provided as part of the construction document set / issue
	135	Sheet E610 - Confirm the equipment and distribution panels shown within the hashed lines is part of the fit out package	The equipment and distribution indicated on the drawing is part of C&S scope of work.
	136	Sheet E609 / E610 / E611- Please confirm if C&S scope includes the conduit from C&S distribution panel boards to “Fit-Out” panel boards. If so, confirm conduit size, quantity and desired termination point for each C&S distribution panel board.	The core infrastructure package provides all distribution equipment, panels and feeders - unless specifically noted on the risers and plans
	137	Sheet E840 Panel schedule for “06LSLPC1” does not show whether main device is either Main Lug Only or Miniature Circuit Breaker, confirm what main device is to be utilized.	Provide panel as an MLO.
	138	Sheet EPS304B - ATS switches such as ATS-EQ11, are they connected to 04EQ11PHS via bus or will conduit and cable need to be run to it?	All ATS's shall have conduit and wire feeders provided under the C&SA package. Refer to the emergency one line diagram
	139	Sheet E608 / E724 - The Heat recovery Chiller is on one line drawing (E608) but is not on panel schedule (E724) or floor drawings. Please advise location of equipment and if we are to include this in our proposal.	Heat recovery chiller is part of the C&S scope. Refer to the mechanical drawings for final equipment locations
	140	Confirm if firestopping labels are needed.	See previous RFI responses for firestopping.
	141	Confirm which trade package will provide all electrical housekeeping pads.	Electrical housekeeping pads shall be by Div 26 (or 2nd tier sub). Provide breakout on BBF.
	142	Confirm which trade contract is responsible for providing and installing the VFD’s.	If there is a VFD not specifically assigned to "pre-purchase equipment vendor" within the Exhibit B.3, VFDs supplied by Div 23 and installed by Div 26. All VFDs, whether prepurchased or sub purchased, are to be installed by Div 26.
	143	Is the Core and Shell contractor responsible for storing “Fit-Out” panels supplied by others?	Not at this time.
	144	Site lighting is shown in drawings but was noted to be excluded in the trade contract, confirm if site lighting (including roof lighting) is part of the core and shell contract.	Site lighting is by others.
	145	Bid Manual Exhibit B.2 line 52 g. references provide all consumption charges for electric service. Can this be made into an allowance due to the fact all temporary electrical loads are not know at this point? If not please provide a list of anticipated electrical loads.	Provide best estimate based on previous experience and project scale. Scope will be discussed with WTJV at a later date. BBF will be updated with break out for this item.
	146	Dwg. EPS300A note G references Telecom Consultant drawings for coordination and location of devices, raceways, pathways, cable tray etc.. Please include these drawings in the bid documents.	All Telcom consultant drawings and scope will be provided as part of the fit out packages
	147	Dwg. E709 states “All emergency system feeders shall be in 2-hr fire rated MI cables. Is it permissible to utilize type RHW-2 2-hour fire rated cable in EMT conduit?	RHW cable is not acceptable. Refer to the project specifications for emergency feeder requirements.
	148	Are we able to run EMT the whole way to equipment in mechanical space on 3rd and 4th floors? In specs attached it says below 10ft in mechanical rooms has to be rigid.	Refer to the project specifications for limitations and criteria
	149	Can conduit fittings be set screw? See spec page 26 05 30- 12 of 44 attached it has question marks next to set screw.	UK Standards require Steel Compression type fittings on EMT conduit 2" and smaller. Set screw or compression fittings are acceptable for EMT conduit 2-1/2" and larger
	150	Sheet E610 - Shows two panels labeled the same (03EQ10HP1). See plumbing power one line.	One panel is mis-labeled and will be revised. Price the information as shown and clarify any exceptions. Updated schedules will be provided as part of the construction document set / issue
	151	On one line drawing E610 it shows 24 blowers being fed from 03EQ10HP1. On panel schedule and electric plan drawing (EPS303B) it only shows us feeding 7 blowers. Please advise.	P-Tube connections are being coordinated and updated with vendor revisions. Carry the scope as shown on plans and schedules until revisions can be incorporated. Clarify any exceptions.
	152	On electric plan drawing EPS303C it shows MAC-1 being fed from 04EQ9SPHS. On plumbing power one-line E610 it shows something diLerent. Please advise.	Price the information as shown and clarify any exceptions. Updated schedules will be provided as part of the construction document set / issue
	153	Is the 125V DC system part of this scope. If so, please provide drawings and specs.	Yes, refer to drawings for additonal information
	154	Bid Breakdown form only shows branch power on 3 and 4. The drawings shows it on the other floors. What is required for this package?	Follow the C&S drawings.
	155	Please confirm if the fully completed bid breakdown forms can be submitted after the RFP due date	Fully completed bid breakdown forms including all requested quantities for all line items are expected to be submitted with the RFP. Providing only pricing for an individual line item without including the associated quantities for the item is not acceptable.
	156	Please clarify duct construction/material for the following exhaust mains: CHH-EF-09,10,11,12,13 - MRI Purge Exhaust - are the mains (risers to fans) aluminum or only within the RF shielded enclosures in MRI rooms?	Yes, aluminimum in entirety.
	157	Please clarify duct construction/material for the following exhaust mains: CHH-EF-05-05 and CHH-EF-11-15 - Type 2 Exhaust - duct material? Stainless steel, alum, or galv steel?	We have changed tagging based on owner request. EF-05-05 was for Type 2 kitchen exhaust, heat steam moisture etc. = 18 gauge S.S.. EF-11-15, café - class 2 exhaust = 18 gauge S.S.

	158	Please clarify duct construction/material for the following exhaust mains: CHH-EF-05-16 - Baking Oven Hood Exhaust - duct material? B-Vent, SS, Etc?	Baking oven hood does not have grease laden vapors and is considered type 2 exhaust. See above.
	159	Please clarify duct construction/material for the following exhaust mains: Exhaust from a radioacitve process - which fans/exhaust types are included in this? NUC MED? HOT LAB? DECONTAMINATION?	Radioactive process would just be the nuclear medicine exhaust. A separate hot lab exhaust system was eliminated and is combined with nuclear medicine exhaust.
	160	Please clarify duct construction/material for the following exhaust mains: Which fans, if any, are included in Autoclave exhaust? Cartwasher Exhaust? Glass Washer Exhaust? Sterilizer Exhaust? Biohazard Exhaust?	EF-05-05 serves kitchen washers, and is welded stainless, as well as EF-11-15 serving the Café. There will be some hood exhaust in the fit out, that will be welded stainless on the run outs until it ties into galvy mains.
	161	Fire Resistive Duct Construction Table: Plenums, Duct Type B Styem are called out as 304L SS. Does this apply to all louver plenums?	No, only if it serves a Type B system.
	162	Fire Resistive Duct Construction Table: Isolation Room Exhaust from duct riser to exhaut fan inlet is called out as 304L SS fire resistive duct. Does this include the riser or only between riser and fan inlet?	That is incorrect and will be removed from the specifications. Isolation exhaust can be galvanized G90 duct and will be protected with combination fire/smoke dampers at shafts.
	163	Please provide a basis of design for the overflow sensors shown on P902 Detail 6.	Zurn/ Froet will be basis of design
	164	Which Trade Package/Contractor is responsible for installing the Pre-Purchased Variable Frequency Drives. These are typically installed by the Temperature Controls Contractor or by Division 26.	Assume Div 26 for this pricing exercise.
	165	Spec section 22 30 00, section 2.10 “Pure Water System – HVAC Humidification Feed-Water”, lists Evoqua as the basis of design, but doesn’t list a specific model number. Can you provide the basis of design model number? In my conversations with Evoqua, it sounds like the RO Unit required to meet the specs does not fit within the max dimensions listed.	Assume basis of design for the purposes of this pricing exercise.
	166	Also related to spec section 22 30 00, section 2.10 “Pure Water System – HVAC Humidification Feed-Water”, Evoqua’s piping diagram indicates a customer supplied 80psi compressed air line serving the RO Unit. There is not a compressed air line indicated on the plans. Please clarify scope of work related to compressed air piping/equipment serving RO Unit.	Assume inclusion of a RO unit and 1000 LF of piping for the purposes of this pricing exercise.
	167	The sheetmetal specs (23 31 00 pg 3 of 22) item 4 calls for the following: "Provide and install miscellaneous sheet metal work including safing, mixing baffles, and blank off panels at unused louver areas." i. Question: How much should we include for blank-off panels? ii. Question: Is the curtain wall contractor responsible for blank-offs?	Blank offs by Div 23. Take off should be based on non-louver areas as shown on mechanical drawings. Assume typical quantities for other misc sheet metal based on prior Healthcare project experience.
	168	The sheetmetal specs (23 31 00 pg 4 of 22) item 9 calls for the following: "The Sheet Metal Contractor shall furnish and install all plenums with automatic dampers attached to louvers." i. Question: Is the Mechanical Package responsible for only the plenums behind the louvers? ii. Question: Is the temperature control package (to be bid at a later date) responsible for automatic dampers?	i. all plenums by Div 23. ii. Automatic damper by Div 23 and programmed by controls subcontractor.
	169	The sheetmetal specs (23 31 00 pg 4 of 22) item calls for the following: "The Sheet Metal Contractor shall fabricate enclosures for all structural columns/cross bracing/steel beams penetrating or contained within plenums." i. Question: How much should the mechanical/sheetmetal contractor allow for this? ii. Question: Will these items (columns/cross bracing/steel beams) be fireproofed, and if so, still be required to have enclosures built around them?	i. any structural element within the plenum will need be cladded with sheet metal enclosures. ii. Steel will be fireproofed and will need to be cladded with sheet metal enclosures.
	170	Reference detail M31-12 on drawing HS905: i. Question: Is the curtain wall contractor responsible to furnish and install the weather louver, item #2 (with bird screen & flashing)? ii. Question: Is item #6, parallel blade isolation damper, to be furnished by the temperature controls contractor, and installed by the mechanical/sheetmetal contractor? iii. Question: Item #11 mentions that if it is not possible to drain the plenum back to the louver, to provide interior storm drainage piping. For the purpose of this RFP, may we assume that interior storm drainage piping will not be necessary at all plenums?	i. Louvers that are integral to the exterior façade by Div 07/08. Any interior louver is by Div 23. II. Damper by Div 23 and programming by controls subcontractor. Iii. There will be roof drains in each plenum and will be provided by Div 22.
	171	In the Equipment Responsibility Matrix, pg. 3 of 24, there is a Steam Energy Meter to be subcontractor supplied. Will the Temperature Control Subcontractor be supplying this item(s)?	Bidding subcontractor to include in pricing.
	172	Reference Plumbing drawing P710 and the below detail. Will the sensors and temperature gauges be furnished by the Temperature Controls Contractor (separate package)?	Bidding subcontractor to include in pricing.
	173	Exhibit B.2 item #62 b mentions a Brickeye system for chilled & hot water systems. Please provide detail on this requirement.	A Brickeye monitor shall be installed at every main for domestic water, chilled water, and heating hot water.
	174	Will any drawings be updated prior to RFP due date?	No.
	175	May the due date for this RFP be extended?	Extended.
	176	On HVAC Flow Diagram drawings HS711 through HS733, a Keynote # 1 indicating a Spring Riser Support System is shown sporadically on some of the risers. Is this Spring Riser Support to be used for all places where a Riser Clamp is required for Hydronic/Steam Piping, or only where shown? Is there a specification for this Spring Riser Support System?	Refer to spec section 23 05 48, section 3.2. "All vertical riser subjected to thermal expansion and/or construction as noted herein or on the documents, shall be supported by spring isolators and central anchors designed to ensure loading within design limits at structural support points."
	177	Is Spec section 23 35 23.10 Lab. Airflow control system (Phoenix Controls) part of the BAS Scope of work or the mechanical SOW?	Bidding subcontractor shall include.
	178	Specs do not specifically call out the material for “Pump Discharge”. Specs call out “Pump Drainage” to be Ductile Iron. Drawing P902 Detail #1 & #2 call out Sch. 40 Galvanized Steel or Sch. 80 PVC. Please verify which material is required for ALL the pumped discharge lines.	Ductile iron
	179	Note on Drawing PS103 states, “All air handling units condensates shall be piped to storm drainage system.” Is it acceptable to route (without creating a trip hazard) the condensate to the nearest floor drain for each AHU? IF this is not acceptable, please provide a detail on how to indirectly connect the condensate into the storm system.	Dedicated drains for AHU condensate will be provided
	180	Are concrete pads required for the AHU’s located in the mechanical rooms?	Yes, 6" Pads are required for all AHU's. 4" concrete pads for non AHU equipment. We have defined fully on 100% CD documents.
	181	Is there a detail available for the mechanical housekeeping pads?	Yes, the stuctural engineering documents indicate pad sizes and locations.
	182	Are the FCU’s in the mechanical rooms Cooling Only? Where should this equipment be served from?	Yes, fan coil units in the mechanical rooms are cooling only. They will be served from the process chilled water loop.

	183	Are Seismic Restraints required for this project? The SDC's & Importance Factors listed on Drawing S001 do not require seismic restraints on HVAC Piping & Duct.	Seismic restraints is not required for this project
	184	Feeders from 15kv switchgears to substations do not have identifiers. Please provide cable sizing and raceway type, and size desired.	Normal feeders from MVS-1 /MVS-2 to all building normal substations sized at 1 set of 3#4/0 (15KV EPR) & 1# 4/0 (600V) G in 4"C. Emergency feeders from essentail electrical switchgear to all building emergency substations sized at 1 set of 3#4/0 (15KV EPR) & 1# 4/0 (600V) G in 4"C. Medium voltage feeders sizes will be provided as part of the construction document set / issue
	185	Are fans, sound traps, and bag-in/bag-out filters pre-purchased by owner as noted in 'Pre-Purchased Equipment Vendor' Matrix (002413.03 Exhibit B.3), or included as part of the shell bid package by contractor?	Follow Exhibit B.3 for equipment responsibility. Any equipment not specifically listed and assigned within the Exhibit B.3 shall be furnished and installed by Subcontractor.
	186	Are all louver plenums 304L stainless steel per 'Fire Resistive Duct Construction Table?	No, only plenums that serve Type B systems, otherwise they are the same material as the ducts serving them.
	187	Sheet E726: DIST PANEL:GEQ1HD7 - BRA FDR TAG - SLOT 1 - Breaker sized for 150A, Wire maximum ampacity is 130A. This is just an example, breakers oversized for wire ampacity occur multiple times. Please confirm that the breaker ampacity should be greater than the wire ampacity.	Provide breaker sizes as indicated on the drawings. Price the information as shown and clarify any exceptions. Updated schedules will be provided as part of the construction document set / issue
	188	Exhibit B.2: Please provide ESP 3.3 Package documents	These will be bid as a separate package in August-2026.
	189	Exhibit B.2: Line 30 states "Subcontractor is responsible for all the concrete pads for equipment required for the completion of the work" please clarify if this is layout and supervise the concrete pour or if we are to include concrete subcontractor for electrical equipment pads.	See previous concrete curb RFI responses.
	190	Exhibit B.2: Line 40 - Please confirm 3rd party equipment testing is not included in this scope of work for 600V and below.	Third party equipment testing should be included under the C&S scope of work. Follow specs for testing requirements.
	191	Exhibit B.2: Line 46 - Please provide a detail as to what the \$/SF amount includes as a minimum. What is the max you want included?	Include \$7/SF for areas denoted in Exhibit B.2. Also include \$7/SF for all tunnel & basement areas.
	192	Exhibit B.2: Please clarify floors on line 49.	Bidding subcontractor shall include all grounding equipment at electrical and tele/data rooms as well as grounding risers vertically.
	193	Specification 260510-8: Equipment such as switchgear with heater elements installed shall have the heater elements energized after the equipment is received by the Electrical Subcontractor. Does this mean in storage?	Yes, heater elements in switchgear should be energized while equipment is in storage to provide equipment protection
	194	Specification 260520-1.7.A: Spec section 054500 is referenced under this specification, please provide specification section 054500	WTJV to provide access to all project specifications
	195	Specification 250620.1.7.C: Please clarify areas of the building which will require additional steel structural supports to be provided by the EC.	the DD drawings Supplemental supports can be extracted through details
	196	Specification 260520.2.1.A: Please provide spec section 083100	WTJV to provide access to all project specifications
	197	Please provide Site electrical duct bank plan	Refer to early site packages for site duct banks.
	198	Sheet G002-EPS30BE: Please provide drawing E408.	The referenced drawing is part of the fit out set of documents.
	199	Specification 260530.3.2.25.b: Colors do not match UK Standards	Colors will be revised to match UK standards
	200	Sheets EPS303C - HS203 - HS303C - HS001: CCH-AHU-03-22 Is shown on electrical drawings on level 3 area C but does not appear in the HVAC overall plan, HVAC level 3 area C drawings or HVAC mechanical schedule. Please advise that CCH-AHU-03-22 Exists	Mislabeled. 3 units were shown on Mechanical AHU-03-23, 24, and 25. (2) units had (4) 5hp motors and (1) unit had (4) 3 HP motors.
	201	Exhibit B.3 Equipment Responsibility Matrix: Sheets EPS303C - P001 - MAC-FUTURE shown on electrical drawings, but not on equipment responsibly matrix or medical gas pump schedule. Please advise.	This is future equipment
	202	Sheet EPS303B: CHH-AHU-03-21A SUPPLY has 7x15hp motors connected to 1 VFD. Please clarify is this 7 individual VFD's or 1 VFD controller?	1 VFD for 7 motors with a back up VFD in the same cabinet, per mechanical. The other 7 fan motors are on another VFD with a back up VFD in the same cabinet.
	203	Specification 260530.3.2.G.7 & 8: Please clarify the use of Schedule 40 Galvanized steel pipe sleeves and 10 gauge steel pipe sleeves as listed in spec section 260530.3.2.G.7 & 8, is a detail available? Please confirm pipe sleeves shall be used whenever a conduit passes thru a wall or floor, including electric rooms.	Confirmed, these are required at all fire rated locations.
	204	Specification 260530.3.2.H.7: Please confirm Vertical cable supports are required every other floor or every 40' whichever is less distance and as required by NEC 300.19.	Confirmed, vertical cable supports are required by code and as specified.
	205	Specification 260530.3.3.A.1: Sheets E603/E709 - Please confirm ALL emergency power distribution feeders on E603 shall be type MI cable.	No, all emergency feeders are not required to be rated. Refer to the specification section listed for the criteria and options acceptable to meet the prtecton requirements
	206	Specification 260530.3.3.A.2: Please confirm all emergency power supply and distribution feeders will be installed in spaces fully and directly protected by an approved automatic fire suppression system as the electric rooms are not 2 hour rated. Fire protection drawings are unclear.	The design intent is to provide sprinkler protection in all electrical rooms.
	207	Specification 260530.3.3: Please confirm 15kV cable installed within Rigid conduit will meet the 2 hour fire rated requirement of 260530	The 15KV feeder(s) shall meet the installation criteria outlined in the spec to provide the rated protection.
	208	Sheet E711: Automatic transfer switch/bypass detail references Note 14, note 14 is missing from the listed notes, please advise.	Note 14 indciatres a connection back to the ATC system for monitoring of loads.
	209	Sheet E712: General notes - Please confirm scope between the building contractor and the generator plant contractor.	All C&S within the perimeter of the new tower is by C&S subcontractor. Follow C&S scope on drawings.
	210	Specification 260530.3.3.C: Sheet E606 - Please confirm elevator feeders, branch wiring and control wiring will be installed in spaces fully and directly protected by an approved automatic fire suppression system as the electric rooms are not 2 hour rated. Fire protection drawings are unclear.	Not confirmed, the project design intent is to provide sprinkler protection for the building
	211	Specification 260530.3.3.C: Sheet E606 - Please confirm only FSA Elevators are required to have MI cable for the feeder to the ATS, feeder from the ATS to the distribution panel, all branch circuiting associated with the FSA elevator including HVAC equipment and control wiring for the FSA elevator.	Confirmed, only FSAE need to meet the criteria specified in the referenced section
	212	Specification 260530.3.3.D: Please confirm scope of work for the control wiring of gas alarms and oil tanks if any.	As indicated the scope of work is to provide power wiring and connections as required by the other trades for alarm and control panels, etc.
	213	Specification 260548: Please confirm that all free standing pad mounted electrcal equipment requires the installation of steel leveling rails, steel base frames, and concrete inertia bases with reinforcing with vibration isolators and equipment attachment bolts.	Not confirmed, refer to specification for requirements. Type of mounting is based on equipment and criteria.

	214	Specification 261310.15: Sheet E600 - Please clarify size, quantity and location of feeds from utility to MVS1 and MVS2	Incoming UK normal MV feeders and all feeders from isolation switches to MVS-1 /MVS-2 sized at 2 sets of 3#500Kcmil (15KV EPR) & 1# 4/0 (600V) G in 5"C.Refer to early site package ESP-2 for incoming normal MV feeders.
	215	Specification 261310.15: Sheet E600 - Please confirm primary cabling from KU to MVS1 and MVS2 is within this scope of work.	Confirmed, Refer to early site package ESP-2 for incoming normal MV feeders.
	216	Specification 261310.15: Sheet E600 & E601 - Please confirm furnish of 15KV Medium Voltage switchgear MVS1, MVS2 and EESS is included in this scope of work. These items are not listed in Exhibit B.3	Confirmed, The core infrastructure package provides all distribution equipment, panels and feeders - unless specifically noted on the risers and plans.
	217	Sheet E601 - Please confirm furnish of 15KV Medium Voltage load break line isolation switches at entry to building are included in this scope of work. These items are not listed in Exhibit B.3	Confirmed, The core infrastructure package provides all distribution equipment, panels and feeders - unless specifically noted on the risers and plans.
	218	Sheet E601 - Please confirm 15kV feeders from generator plant to incoming line isolation switches are included in this scope of work.	Confirmed, Refer to early site package ESP-2 for incoming emergency MV feeders.
	219	Sheet E601 - Please clarify size, quantity and location of feeds from generator plant to incoming line isolation switches	Incoming emergency MV feeders from CUP and all feeders from emergency isolation switches to essentail elecgtrical switchgear sized at 2 sets of 3#500Kcmil (15KV EPR) & 1# 4/0 (600V) G in 5"C. Refer to early site package ESP-2 for incoming emergency MV feeders.
	220	Specification 262010: Sheet E603 & E604 - Please confirm furnishing of busway is included in this scope of work. It is not listed in Exhibit B.3	Confirmed, The core infrastructure package provides all distribution equipment, panels and feeders - unless specifically noted on the risers and plans.
	221	Sheet HS005 - Buffer Tanks - There are (2) tanks scheduled (location Penthouse) but these tanks are not indicated on the Flow Diagram for the Heat Recovery System. Are these tanks required?	No, the buffer tanks are being removed.
	222	Mechanical and Plumbing Drawigns indicate that the concrete equipment pads are to be provided by the GC. Item 30 on the Bid Package SoW state the Mechanical Contractor to provide. Will the onsite Concrete Contractror pour the pads with layout provided by the Mechanical Contractor?	See previous concrete curb RFI responses.
	223	Sheet PS114 & PS115 - Helipad Alternate: Please update bid form for this alternate. Also, there is no mention of the Alternate on the Mechanical Drawings. Is there a need for Steam or Heating Water for a snowmelt system for the helipad?	All MEPs for the potential helipad should be included in the base price as outlined in the C&S drawings.
	224	Due to the magnitude of this project please confirm it is acceptable to extend the bid date in order to correctly capture the current C&S scope.	Extended.
	225	There are panels on E603 and E604 with no corresponding panel schedule, please provide a panel schedule for the following: (05EQLPB1, 05CLPB1, 01NLPC4 and 01NLPC5,)	Price the information as shown and clarify any exceptions. Updated schedules will be provided as part of the construction document set / issue
	226	E604 – Electrical Normal Riser shows panels with no panel designations, please advise on the below. Additionally confirm if these panels are part of C&S or “Fit-Out” scope of work. a. Level G - Panel in “Emergency Department”, with no panel designation, confirm it is going to remain. If it is to remain, provide the panel’s designation and provide its corresponding panel schedule. b. Level 1 – (2) Panels in “Imaging”, with no panel designation, confirm it is going to remain. If it is to remain, provide the panel’s designation and provide its corresponding panel schedule. c. Level 1 –Panel in lab “01N___”, with no panel designation, confirm it is going to remain. If it is to remain, provide the panel’s designation and provide its corresponding panel schedule. d. Level 2 –Panel in lab “02N___”, with no panel designation, confirm it is going to remain. If it is to remain, provide the panel’s designation and provide its corresponding panel schedule.	These panels are intended to be provided under the C&S package. Price the information as shown and clarify any exceptions. Updated schedules will be provided as part of the construction document set / issue.
	227	Panel 05NLPD3 does not have a corresponding panel schedule. Sheet E916 shows a panel schedule for 05NLPD5 (which 05NLPD5 is not reflected on E604 Normal power riser diagram), confirm that panel schedule for 05NLPD3 on E916 is a typo and it is intended to be 05NLPD3.	Price the information as shown and clarify any exceptions. Updated schedules will be provided as part of the construction document set / issue
	228	Sheet E911 Panel schedule for “03NLHD1” does not show whether main device is either Main Lug Only or Miniature Circuit Breaker, confirm what main device is to be utilized.	Provide panel as an MLO.
	229	There are several duplicates of panels shown on floor plans. See the below locations of duplicates. Please provide corrected panel designations on floor plans. a. Detail 7 Sheet E100 – Electric Room (Normal Core Room Area C) shows two “GNLLC1” panels. b. Detail 1 Sheet E101 – E-IDF just plan west of Corridor SE01700G shows two “01EITLPB3” panels.	Price the information as shown and clarify any exceptions. Updated schedules will be provided as part of the construction document set / issue
	230	The bid form did not list switchboards and busduct as part of the emergency distribution electrical installation package. Confirm they’re to be included in normal power items.	Confirmed. The core infrastructure package provides all distribution equipment, panels and feeders - unless specifically noted on the risers and plans
	231	There are panels shown on the floor plans that are not shown anywhere else in drawings. Please provide a panel schedule and a corrected single line showing how it is connected to the electrical normal and or emergency power system. Please see the below panels. a. SW01303 CLEAN CORE / STERILE SUPPLY: 01IPENDO1A, 01IPENDO1B, 01IPENDO2A, 01IPENDO2B, 01IPENDO3A, 01IPENDO3B, 01IPENDO4A, 01IPENDO4B, 01IPENDO5A, 01IPENDO5B, 01IPENDO6A, 01IPENDO6B, 01IPENDO7A, 01IPENDO7B, 01IPENDO8A AND 01IPENDO8B.	The panels listed are isolated power panels serving the Endo operating rooms. These panels will be provided under the fit out package and are not part of the C&S scope of work
	232	Sheet E101 Detail 1 – There are panels with no designations in and around Corridor SW01200G, confirm these panels are to remain, if so provide a panel designation, single line and panel schedule with them represented.	These panels with no designations represent the operating room isolation panels which will be provided under the fit out package
	233	In spec section 26 05 10 Electrical Special Conditions, paragraph 1.24 “Equipment Allowances”. It states the electrical subcontractor is to carry additional equipment than what is shown in the drawings. In the body of the paragraph the quantities are not listed. Please confirm the additional devices are to be provided, if so confirm how many devices should be included.	The equipment allowance section / quantities will be provided under the fit out packages and does not apply to the C&S scope of work
	234	Sheet E604 shows hashed out panels but feeders aren’t fully hashed out. Please confirm the requirements (EX: Conduit size, quantity and termination locations) in the Core and Shell contract as it relates to feeders going to “Fit-Out” panels.	The dashed lines represent panel(s) located in shell floors - these panels will be provided under a future fitout package and are not part of the C&S scope
	235	Drawing EPS303B has a 75hp motor with a control panel. What is this and where does it feed from?	This item will be removed to reflect HVAC updates and revisions

	236	Drawing EPS303B shows no circuits for CHH-GEX-03-01.	AHU connections are being coordinated and updated with HVAC revisions. Carry scope as shown on plans and schedules until revisions can be incorporated. Updated schedules will be provided as part of the construction document set / issue
	237	Drawing EPS303C shows no circuits for CHH-AHU-03-22.	AHU connections are being coordinated and updated with HVAC revisions. Carry scope as shown on plans and schedules until revisions can be incorporated. Updated schedules will be provided as part of the construction document set / issue
	238	Drawing EPS303c shows no circuits for CHH-AHU-03-23, CHH-AHU-03-24, or CHH-AHU-03-26.	AHU connections are being coordinated and updated with HVAC revisions. Carry scope as shown on plans and schedules until revisions can be incorporated. Updated schedules will be provided as part of the construction document set / issue
	239	Confirm the OFCI gear package includes the busduct, fittings, flanges, tap boxes and all items to make a fully commissioned system.	Confirmed. The core infrastructure package provides all distribution equipment, panels and feeders - unless specifically noted on the risers and plans
	240	Sheet E111 Detail 3 – There are two transformers in this electric room, that the normal and emergency single lines (E603 and E604) do not show. Please confirm these transformers are intended to be in this electric room. If so, confirm what the line and load is to come from and provide a single line that reflects them.	Transformers slated to pick up 120/208 elevator system loads, still in progress. Price the information as shown and clarify any exceptions. Updated schedules will be provided as part of the construction document set / issue
	241	E603 shows panels not shown anywhere on the floor plan. Confirm where the below panels will be located and provide drawings that reflect their location. a. Level G Telecommunications Room – “GEITLPD5”. b. Level G Telecommunications Room – “GEITLPD6”. c. Level G Trauma RM-ED – “GIMGDHD1”. d. Level G Trauma RM-ED – “GIMGPLD1”.	Revisions are ongoing. Price the information as shown and clarify any exceptions. Updated schedules will be provided as part of the construction document set / issue
	242	E604 shows panels not shown anywhere on the floor plan. Confirm where the below panels will be located and provide drawings that reflect their location. a. Ground level Area C Electric Room – “GNLDC1” b. Level 01 CAFÉ - “01NLPC4”. c. Level 01 RETAIL – “01NLPC5”. d. Level 01 LAB – “01N__”. e. Level 02 LAB – “02N__”. f. Level G TRAUMA RM-ED – “GIMGDHD1”. g. Level G TRAUMA RM-ED – “GIMGPLD1”.	Revisions are ongoing. Price the information as shown and clarify any exceptions. Updated schedules will be provided as part of the construction document set / issue
	243	There are bus plugs shown on E603 Emergency Riser that are not reflected on any bus duct schedules. Confirm the bus plug is to connect to panels amperages. a. E603 shows a bus plug connected to panel “GEITLPD6”. Sheet E714 Electrical EIT2 Bus Duct Schedules – P-EIT2-H-BD-D2 schedule does not list “GEITLPD6”. b. E603 shows a bus plug connected to panel “GEITLPD5”. Sheet E713 Electrical EIT1 Bus Duct Schedules – P-EIT1-H-BD-D1 schedule does not list “GEITLPD5”. c. E603 shows a bus plug connected to panel “02CLDD1” via Transformer CT150. Sheet E716 Electrical CR2 Bus Duct Schedules – P-CR2-H-BD-D1 schedule does not list “02CLDD1”.	Confirmed. Price the information as shown and clarify any exceptions. Updated schedules will be provided as part of the construction document set / issue
	244	Provide panel schedules with panel specifications for Isolation panels.	Isolated Power Panels shall be provided under the respective fit out package and are not provided with the C&S scope
	245	Spec section 26 05 30 paragraph 2.3.A.1 states conductors are to be “98% conductive copper with 600 volt rated insulation.”. Paragraph 3.2.H.21.e states “Aluminum conductors may be used for feeders to power distribution equipment and shall not be used as branch circuits to any equipment.”. Confirm aluminum feeders may be utilized.	All feeders shall be copper per UK standards for the base bid. Alternate pricing may be submitted to allow the use of AL for the following feeder sizes. 250-400A / 401 to 800A / 801 to 1200A / 1201 to 1600A / over 1600 A.
	246	Is there a shaft identified to use for the penthouse feeders coming from the 4th floor? The only shaft we can identify runs from the 5th to the 15th , seems to be stair shaft 4036. Is this intent to utilize a shaft or do we need to plan on brining these up through stacked electrical closets. The electric rooms look very congested and these feeders will require junction points to allow the installation of cable wedges.	The intent is to bring feeders up thru the stack electrical rooms
	247	Confirm the mechanical equipment will be a single point of connection as it relates to the C&S electrical scope.	Not confirmed. Mechanical equipment connections are being coordinated and updated with HVAC revisions. Carry scope as shown on plans and schedules until revisions can be incorporated. Updated schedules will be provided as part of the construction document set / issue
	248	Drawing E709 note 1 states “All emergency feeders shall be UL listed and labeled, 2-hour fire rated mineral insulated power cables, in accordance with NEC 700.” Our interpretation of this article’ scope is limited to only the “Life Safety” branch of the essential electrical system. Specification 26 05 30 3.3 (2) would seem to limit the 2-hourcable requirement to life safety, but this would contradict the drawing note. Can we get clarification that we only need 2-hour rated cables for life safety in areas that are not full sprinklered. 26 05 30 3.3 2 would seem to indicate all areas where life safety wiring is routed above ceiling that the fire suppression will also be routed above ceiling which would eliminate the need for 2-hour rated system. Also in reviewing the fire suppression drawings it isn’t clear if electrical rooms are fully sprinklered. Can we get confirmation that all rooms are sprinklered and thus will not require 2-hour rated system?	Note #1 on drawing E709 is in reference to a specific schedule and does not apply to project conditions. The design intent is to provide sprinklers in electrical rooms. All feeders that need to be rated shall comply with the criteria listed in the project specifications.

	249	Please provide a 15KV medium voltage feeder schedule	Incoming UK normal MV feeders and all feeders from isolation switches to MVS-1 /MVS-2 sized at 2 sets of 3#500Kcmil (15KV EPR) & 1# 4/0 (600V) G in 5"C. Normal feeders from MVS-1 /MVS-2 to all building normal substations sized at 1 set of 3#4/0 (15KV EPR) & 1# 4/0 (600V) G in 4"C. Incoming emergency MV feeders from CUP and all feeders from emergency isolation switches to essentail elecgrtical switchgear sized at 2 sets of 3#500Kcmil (15KV EPR) & 1# 4/0 (600V) G in 5"C. Emergency feeders from essentail electrical switchgear to all building emergency substations sized at 1 set of 3#4/0 (15KV EPR) & 1# 4/0 (600V) G in 4"C. Medium voltage feeders sizes will be provided as part of the construction document set / issue.
	250	Please confirm that the 15 KV normal power medium voltage feeders to the first termination point inside of the building are provided by others in a separate bid package.	Confrimed, these MV feeders are provided under early site package ESP-2
	251	Please confirm that 15 KV Emergency medium voltage feeders to the first termination point inside of the building are provided by others in a separate bid package.	Confrimed, these MV feeders are provided under early site package ESP-2
	252	Where is the location of RTU-1 and RTU-2 remote terminal units shown on drawing E712 Generator ATS Control Diagram?	RTU-1 and RTU-2 will be located in the level four emergency electrcial rooms
	253	Please label the 15KV primary switches, MVS1 and MVS2 on the floor plans.	Normal Primary switches are located on ground level (E100) and MVS1 / MVS2 are located on level three (E103)
	254	Please label the 15KV Emergency Incoming Line Isolation Switch along with the Essential Electrical System Switchgear on the floor plans.	Emergency Primary switches are located on ground level (E100) and Essential Electrical Switchgear is located on level four (E104)
	255	On drawing E607 the AHU power connections. There are discrepancies that do not match up with panel schedules and the floor plans on where equipment is being fed from. Please advise.	AHU connections are being coordinated and updated with HVAC revisions. Carry scope as shown on plans and schedules until revisions can be incorporated
	256	Does emergency power source come from existing Generator plant (on Press Ave) or new CUP building?	The medium voltage emergency power will orginate from the new CUP project
	257	Does New MV Normal power feeder come from new CUP building?	The medium voltage normal power does not come from the CUP porject. It will comes from the AEP substation expansion project. Refer to early site package ESP-2
	258	The bid form has temporary electric power for CM trailers listed twice on separate lines items. Confirm we are only providing one price for CM trailer temporary power.	See previous RFI response. Subcontractor shall include electrical hookups for (100) single wide trailers and/or connexes. Assume 60 amps per hookup.
	259	Bid manual Exhibit B.2 line F – “Subcontractor shall provide all the necessary temporary electric service to the project as detailed in the Temporary Electric One line Diagrams.” Please provide the temporary electric one line diagram as described.	One-line will be developed during the precon phase.
	260	Will building temporary power come from new MV normal power service to building? What voltage will be required?	Temporary power will be brought to building from existing structures nearby from May-2027 thru Feb-2029. Starting Feb-2029, temp power will be thru the MV normal power service room on the east side GL. Assume 480V for temp power.
	261	What will the amperage connections be on the temporary office trailer complex, And how many connection points?	Assume 60 amps per (100) hookups.
	262	What are the amperages on the Sub Connexes and site trailer connections?	See previous responses. (100) hookups.
	263	What is required as far as Temporary Pumps for water service? How many and what will the head pressure need to be?	Assume (1) pump per (6) temp water riser. Head pressure at top of building expected to be 60 psi.
	264	Will the Temporary pump for water service be provided by machinal contractor?	Div 22.
	265	What are the connection requirements on the Tower Cranes, interior hoists, and buck hoists?	480V / 400A per tower crane. Assume 480V / 250A per buckhoist.
	266	What are the amperages on the welding machines? How many welding machines should be supplied with power?	100 amps - assume up (12) at one time.
	267	What is required as far as cooling stations are concerned?	110V power connection. Assume (15) per podiumn floors and (5) per tower floors.
	268	What are the connection requirements for the turnstiles?	120V.
	269	How many restroom trailers are there and what are the connected loads? Will they be on each floor? Are they equipped with an exhaust fan?	Assume (6) restroom trailers at ground (these will have exhuaust fan, AC, and lighting). Each floor will have (2) bathroom pods (built out restrooms) (these will have lighting only).
	270	What are the connected loads on the tire wash stations and where are they located?	No tire wash station is planned at this time. B.2 item 52.1.21 can be disregarded.
	271	Where will the break areas be located? What is the break area square footage?	Assume (1) for GL and L1 and then (1) per every other floor starting on L3. Assume 10k SF per area.
	272	Will there be soda/snack machines/refrigerators/microwaves in break area? How many?	Assume (2) vending machines per every other break room. Assume (2) microwaves and (2) frigs per breakroom.
	273	Item #8 under temp power requirements , level 3 is listed the other level is not listed. Please clarify the 2 levels that are needed.	L3 & L4.
	274	What is required as far as Cameras temp security? Will we have to provide cameras and security equipment?	Furnish and install (1) camera per temp bathroom trailer and pods on each floor.

	275	What is required for cooling stations and where are they located?	See previous RFI response.
	276	Who is responsible for furnishing fans for air movement and how many of these are required?	Fans shall be provided by others. Assume (15) per podiumn floors and (5) per tower floors.
	277	Is the electrical contractor responsible for supplying all of the electric service consumption charges?	
	278	Early Elevators are listed as 4 each. Is that 4 at each elevator bank or 4 total for construction?	WTJV will utilize (10) of the permanent elevators for construction use. See logisitics plan for location of temp elevators and buck hoists. Temporary permanent power will need to be expedited at the elevator and hoist locations for early use.
	279	Huddle and all hands mtg area. Do we need to include any TV’s, Microphone, and speakers?	TVs, microphones, and speakers will be provided by others. Assume (20) connections fro various media equipment.
	280	23 07 13 section 4.1 Duct Insulation Schedule calls for all outdoor exhaust duct temperature ranges to be insulated and jacketed. Detail on drawing HS906 also shows insulation on exterior Lab Exhaust to fan per note #6 as shown below. Please confirm if all rooftop exhaust air duct is to be externally insulated / jacketed. This would be unusual and be a significant cost.	These are DD progress drawings. The intent of his RFQP is to onboard a subcontractor partner for precon assist and to help finalize the CD drawings. For the purposes of this RFQP, follow the spec: all rooftop exhaust duct shall be externally insulated & jacketed.
	281	Addendum 3, RFI #2 – BIM hours for 3-person team has been added under both HVAC & Plumbing. What is the number of hours to be included for each trade, Plumbing & HVAC?	2k hours (3-person team) for plumbing & med gas and 5k hours (3-person team) for mechanical have been listed on the updated BBFs.
	282	Addendum 3, RFI #3 – It was confirmed that the Temporary Steam line item under Plumbing should be Temporary Natural Gas, however Temporary Steam still remains on the Bid Breakdown Form. Please edit BBF to avoid confusion since edits to the BBF by the contractor are not allowed.	BBF has been updated.
	283	Addendum 3, RFI #5 – The response indicates that there is UG floor drain piping “under the basement tunnels”. There are no floor drains or piping indicated on the drawings serving any of the tunnels. If this indeed is a requirement, please clarify which tunnel(s) are referred to. Is it just the utility tunnel going from the mechanical room to the utility tunnel shaft? Or is this ALL proposed utility tunnels indicated in light gray shading on drawing PS10U?	yes, tunnels shaded in gray per PS10U. Floor drains will be required and will be shown in the CD drawings. Assume a floor drain every 30' and include all required piping. Connection to exterior storm/sanitary main will be finalized in the CDs.
	284	Addendum 3, RFI’s #6 & #85 – Please confirm the requirement is for only one 150,000 SF storage warehouse in Lexington for 36 months. The response to RFI #6 implies it is one warehouse space, however the response to RFI #85 says to include “both” scope items.	Include (1) 150k SF warehouse for a period of 36-months.
	285	Addendum 3, RFI’s #11 & #101 – The responses to RFI’s #11 & #101 indicate the mechanical contractor is to provide VFD’s. These are listed in the pre-purchased equipment matrix (00 24 13.03 Exhibit B.3) as being Pre-Purchased. Please confirm all VFD’s are by the Pre-Purchased Equipment Vendor and not furnished by the mechanical contractor.	Any required VFD that is not specifically listed on the Exhibit B.3 shall be furnished by mechanical subcontractor. Exhibit B.3 is an initial responsibly assignment based on the DDs and shall be refined and finalized during the precon assist phase as the CDs are being finalized.
	286	Addendum 3, RFI #16 – If item #45 on the revised Bid Breakdown Form is supposed to be Medical/Instrument Air instead of Compressed Air (per the response in Addm #3) as listed on BBF, please edit BBF to avoid confusion since edits to the BBF by the contractor are not allowed.	BBF has been updated.
	287	Addendum 3, RFI’s #18 & #51 - RFI #18 says final connection to wall/ground hydrants is to be included in C&S. RFI #51 says to cap piping at ceiling for fitout contractor connection. Which direction is the C&S contractor to follow?	Follow RFI#51 response.
	288	Addendum 3, RFI’s #19 & #70 – To clarify, is the drain pan allowance noted on PS102 and the drain pan allowance listed on the BBF under HVAC Allowance 2 the same? Or are these two different items?	They are two separate allowances. The allowance described on PS012 will be developed in the precon assist phase or will be by fitout subcontractor.
	289	Addendum 3, RFI #41 – The response says to “refer to specifications included with DD drawing package”, which is what our original question was referring to and as noted, the specifications are different than the “Piping Materials” table on drawing P001 and also different from UK’s Design and Construction Standards. There is now an edited “Plumbing Materials” table on drawing P001 issued with Addendum 3 that still does not match the written specifications or the UK Design & Construction Standards. For example: • The “Piping Materials” table calls for Type L Copper with Silver Solder Joints for domestic water, with no sizes listed, so it’s not clear what pipe sizes this applies to. Spec section 221120 section 2.1 allows type L copper with lead free solder or press fit on smaller sizes and grooved copper/stainless on larger sizes. UK’s Design and Construction Standards match spec section 221120. So, which document takes precedence? If it’s the “Plumbing Materials” table on drawing P001, then please clarify domestic water spec requirements based on pipe sizes as we have piping up to 10” on domestic water. • The “Piping Materials” table calls for all below grade storm, sanitary, kitchen waste, etc. to be epoxy coated cast iron. Spec section 221130 section 2.1 allows PVC as an option underground, as does UK’s Design and Construction Standards (aside from kitchens, mech rooms, etc.). • The “Piping Materials” table calls for above grade mechanical room floor drain piping to be cast iron. Is this also supposed to be epoxy coated cast iron? Or just standard no hub cast iron?	These are DD progress drawings. Follow the specifications for the purposes of this RFQP.
	290	Addendum 3, RFI #44 – The Bid Breakdown Form, Plumbing item #012 still lists “concrete underground decontamination tank” but the response to this RFI says HDPE is required. Please edit BBF to avoid confusion since edits to the BBF by the contractor are not allowed.	BBF has been updated.
	291	Addendum 3, RFI #45 – The response says a draft CD sanitary riser diagram is attached, but this riser was not included with Addendum 3. Please provide this riser diagram.	Disregard previous RFI response. Sanitary riser diagrams will be included with CD drawing set.
	292	Addendum 3, RFI #46 – The response says to include all piping shown on both P100 and PS10B. None of the piping indicated on P100 that is not on PS10B is sized. Also, for branch piping indicated on P100 that is not serving SWV risers, what is the direction for the C&S contractor with this piping after it turns up above slab? Cap for future fitout connection?	Sizing will be finalized in CD drawing set. Subcontractor needs to assume sizing based on size of building. Yes, cap for future fitout connections after piping turns up above slab.
	293	Addendum 3, RFI #54 – The response says double wall containment piping is now indicated on the documents. We have not received any new documents in Addendum 3 indicating double wall piping. Please provide new documents, if available.	Response is in reference to the in progress CD drawings. For the purposes of this RFQP, updated drawings will not be issued.

	294	Addendum 3, RFI #55 – We asked for confirmation that risers labeled “Fitout Risers” that are light gray on the drawings were not to be included in C&S pricing. The response says “confirmed”, but also says “all risers shall be included in pricing.” Please clarify the response. Is it confirmed that fitout risers are in the future fitout package or are they to be included in the C&S package?	All risers shown will be by C&S subcontractor.
	295	Addendum 3, RFI’s #67, #68, & #69 – The response indicated that ‘Excel sheets will be shared’, however, they were not included in Addendum #3. Please provide these Excel sheets.	See addendum attachments for excel docs.
	296	Addendum 3, RFI #79 – The response says to provide the info on both forms (we assume that means the BBF and Bid Proposal Form-004116). Back to our original question, there is not a place on the Bid Form to include a Total Bid Amount. If that is the request, please either revise the Bid Proposal Form (004116) to include a spot for a Total Bid Amount, OR, delete the note on the BFF after Total Combo Bid (this total should match ...), since edits to the BBF by the contractor are not allowed.	Provide the Total Bid Amount on the BBF. Provide the proposed fee% on the Bid Porposal Form. List all other requested information as outlined on the two forms.
	297	Addendum 3, RFI’s #8, #81, & #86 – The response to RFI #81 lists startup as being by the subcontractor, not the Pre-Purchased Equipment Vendor, however the response to RFI #8 says startup will be purchased by the 3rd party vendor, then RFI #86 says startup is “determined by the spec requirements.” Please confirm factory startup is being purchased with the equipment by the Pre-Purchased Equipment Vendor.	Factory startup will be purchased with the 3rd party vendor. Field startup will be by subcontractor. Again, the final responsibility matrix and associated responsibilities will be refined and finalized during the precon assist phase.
	298	Addendum 3, RFI #89 – The first part of the response (No.) is interpreted as that above slab trap primer piping does not get insulated. The second part of the response (UK has chosen to utilize trap guards in lieu of water based trap primers.) opens up some more explanation. Please confirm that water based trap primers are NOT required on this project and that any drain with a trap primer requirement will utilize a trap guard. Are trap guards approved in the 2020 Kentucky State Plumbing Code?	Assume trap guards for the purposes of this RFQP.
	299	Addendum 3, RFI #166 – After further conversations with Evoqua, an electronic valve can be supplied in lieu of an air powered valve. Compressed air for RO equipment is not required, thus a piping allowance will not be provided in our price.	Okay.
	300	Addendum 3, RFI #223 – Please confirm a snow melt system for the helipad is not required. That part of the question wasn’t specifically acknowledged in the response.	Risers need to be included to support a future Helipad. Any MEP work at the helipad itself will be defined in a future package. If a separate snowmelt riser is required for the Helipad, it should be included.
	301	Addendum 3, RFI #280 – No response given. Please provide an answer.	Response added.
	302	HS001 – ALL the Custom AHU’s changed in this addendum. Unit Number, CFM’s, GPM’s, everything. How are we to account for any changes in duct sizing and/or piping increases if there are no changes to the plans? For example, the two PACU AHU’s went from 70,000 CFM to 77,000 CFM and from 375 GPM to 585 GPM. This happens several times.	Follow the DD plans & specs to avoid confusion. Final design and equipment sizing/manufacturer is still in progress with the CDs.
	303	HS007 - There is now a blower coil schedule with (42) blower coils. There was not one before in the original issue documents. Will blower coils be pre-purchased or purchased by the subcontractor? If by the subcontractor, where are these located since new plan drawings were not issued with this addendum.	Follow the DD plans & specs to avoid confusion. Final design and equipment sizing/manufacturer is still in progress with the CDs.
	304	HS007 – There are (8) more split systems added to the schedule. Where are these located along with their accompanying condensing unit?	Follow the DD plans & specs to avoid confusion. Final design and equipment sizing/manufacturer is still in progress with the CDs.
	305	HS008 – VFD Schedule has been modified, but there has been no update to the Equipment Responsibility Matrix, Exhibit B.3. Please confirm that all VFD’s will be pre-purchased and installed by the Electrical Contractor.	See previous RFI responses related to VFDs, third party, and responsibility.
	306	Medical Equipment Chilled Water Heat Exchangers – The original schedule had (10) heat exchangers (HS007-Original dwgs), but Addm #3 schedule does not show any. Are there medical equipment chilled water heat exchangers on this project, and if so, please provide info.	Follow the DD plans & specs to avoid confusion. Final design and equipment sizing/manufacturer is still in progress with the CDs.
	307	HS005 – Modular Heat Recovery Chillers has increased in quantity from (1) to (3), while the tonnage has increased from 660 tons to 1,200 tons, however, one chiller is redundant making active tonnage at 800 tons. With the addition of two more equipment connections and installation, will overall pipe sizing be increased on the process chilled water (evaporator) side and the hot water (condenser) side?	Follow the DD plans & specs to avoid confusion. Final design and equipment sizing/manufacturer is still in progress with the CDs.
	308	HS007 - There is now a cabinet unit heater schedule with (18) units listed. There was no units on the original issue documents. Assuming these heaters are to be purchased by the subcontractor? Where are these heaters located since new plan drawings were not issued with this addendum.	Follow the DD plans & specs to avoid confusion. Final design and equipment sizing/manufacturer is still in progress with the CDs.
	309	HS006 – Hydronic Finned Tube Radiation – Please confirm all the mechanical subcontractor is to provide for finned tube is the bare element only, and no enclosure.	Include \$500k for enclosure in fin tube estimate.
	310	HS009 – Air Terminal – VAV’s have been added to the schedules, however, there are no VAV’s on the plans. Are we to include any in this pricing exercise?	VAVs by fit out contractor.
	311	BBF – The current Bid Breakdown Form in Addendum #3 has a date of 6/1/2026 in the upper right hand corner, which is an earlier date than the original BFF (6/3/2026). Should this date match the date of Addm #3?	Dates have been adjusted for Addendum No. 4.
	312	May we be given one more week to properly prepare our submission?	Due date extended to 8/7/2026.
	313	On Sheet EPS303B - please confirm that the electrical connections, disconnects and wiring shown for the AHU motors are factory installed and not by the electrical contractor. This is typical for all drawings.	Anything internal to the AHU will be factory installed.
	314	Question 146 Indicates that telecom raceways are in fit-out scope as well as question 108 indicates fire alarm will be apart of fit-out scope. Bid form item 35 “division 27/28 pathways” (which are telecom and fire alarm divisions) indicates to provide a price. a. Confirm this line item will be removed from bid form. b. Confirm no telecom sleeving will be required. If sleeving is required please provide sizes and quantities.	Div 27/28 will be by fitout subcontractors. Line has been grayed out on BBF.
	315	Question 230 may not have been worded well. This was meant to be a bid form clarification question and not a scope question. The bid form breaks electrical distribution into normal and emergency for everything except switchboards and bus duct. For the purposes of the bid form do you just want us to include emergency switchboards and bus duct with the normal gear lines 005 & 008?	Confirmed.

	316	Can lines 005, 006, 007, 008, 011,012,013,014 and 015 be changed to LS (lump sum) instead of EA (each)? Each line represents gear of various sizes and thus various costs.	No the intent of these lines requesting EA is to identify the number of items being included here to ensure full scope and quantities are included. Understand the unit price might not be applicable, so at a minimum the quantity and total cost are required to be filled out.
	317	Questions 220 & 239 appear to be same question with different answers. Can we confirm that the intent is for the bus duct to be part of the exhibit b.3 equipment list as well as all switchboards, panels, and transformers that show up on the lesser one-line diagrams (E605-E613) as well as main risers (E603 & E604) regardless of whether they are included in exhibit b.3.	Confirmed.
	318	Sheet E408 is called out on sheets EPS30BE, EPS303B, EPS303D and EPS303E but was not distributed with the drawings. Please provide sheet E408 or confirm that this work is not part of C&S electrical scope.	No further drawings will be released as part of this RFQP.
	319	Sheet E505 – Detail E09-010 - Primary Feeder Shaft Detail – Shows a shaft for electrical feeders. Please provide the location of this riser shaft for electrical feeders to utilize for both medium voltage and 600 and less voltage.	
	320	Exhibit B.2 Electrical – Item #46 – Details lighting scope on 3rd & 4h floors. The last RFI added scope to the basement and tunnel. Bid forms line 32 & 33 are for “Electrical” & “Telecom” room lighting. Do we need to light up all electrical rooms and MDF / IDF closets throughout the building, or will these lines be removed from the bid sheet? If the intent is to light all electrical rooms does this also include the “satellite closets” as well?	Do not include lighting for satellite closets. Lighting should be included for tunnels, L3/4, and main electrical/MDF/IDF closets.
	321	Please clarify the Alternate Scope	There are no alternate for electrical scope.
	322	On multiple floor layout drawings there is equipment labeled CHH-FCU with no panel/circuit designation. Please provide circuit designation.	Circuit will be provided in CD drawing set.
	323	There are 2 panels labeled 03EQ4HD1, please advise.	Clarification will be provided as part of the CD drawing set.
	324		
	325		

SECTION 00 41 00 - BID BREAKDOWN FORM

Company Name:

Scope of Work : BP #023.01 Core & Shell Plumbing and HVAC - Add No. 4

Item	Bid Quantities	Quantity	U/M	Unit Price	Total
001	Preconstruction Assistance		MH		
Core & Shell Plumbing & Med Gas					
002	Major Plumbing Equipment - Purchase				
003	Pre-Heaters		EA		
004	Steam Heaters		EA		
005	Domestic Water Booster Pumps		EA		
006	Major Plumbing Equipment - Installation				
007	Pre-Heaters		EA		
008	Steam Heaters		EA		
009	Domestic Water Booster Pumps		EA		
010	Medical Air/Medical Vacuum System		EA		
011	Storage Tanks - Below Grade				
012	HDPE Tanks		EA		
013	Concrete underground grease interceptor		EA		
014	Minor Plumbing Equipment				
015	Water Softeners		EA		
016	Sewage Ejector Pumps		EA		
017	Elevator Sump Pumps		EA		
018	Plumbing Fixtures	1	LS		
019	Domestic Water Systems				
020	Domestic Water Piping		LF		
021	Domestic Water Piping Insulation		LF		
022	Misc. Meters, Valves, Pumps		LS		
023	Sanitary Waste & Vent Piping				
024	U/G Waste Piping - Cast Iron		LF		
025	U/G Foundation Drainage Piping - Sleeved PVC		LF		
026	U/G Perimeter Drainage Piping - Sleeved PVC		LF		
027	A/G Waste & Vent Piping - PVC		LF		
028	U/G Grease Waste		LF		
029	A/G Grease Waste		LF		
030	Misc. Sanitary Work		LS		
031	Storm Drainage Piping				
032	U/G Storm Piping - Cast Iron		LF		
033	A/G Storm Piping - PVC		LF		
034	Storm Piping Insulation		LF		
035	Natural Gas	1	LS		
036	Medical Gas System				

037	O2 Piping to new tank farm		LF		
038	Med Air Backfeed to Pav A		LF		
039	Med Vac Backfeed to Pav A		LF		
040	Med Gas Piping		LF		
041	Master Alarm Panel		EA		
042	Area Alarm Panel		EA		
043	Alarm Wiring In Conduit		LF		
044	Misc. Med Gas Items	1	LS		
045	Medical/Instrument Air System & Piping	1	LS		
046	GC/GR/Precon				
047	Temporary Site Plumbing		LS		
048	Temporary Storm Drain Systems		LS		
049	Temporary Natural Gas Riser for Temp Heat		LS		
050	Temporary Restrooms Throughout Building		LS		
051	BIM Coordination		MH		
052	Building Permit - Plumbing	1	LS		
053	Rigging		LS		
054	Composite Crew Cleanup/Laborer		MH		
055	Premium Time		MH		
056	Misc. GC/GR Costs		LS		
057	Concrete Equipment Pads				
058	Firestopping		LS		
059	Escalation Recommendation		LS		
060	Contingency Recommendation		LS		
061	Recommended Consumption for utilities during construction		LS		
	Allowances (To be included in Base Bid on Bid Form)				
Allowance 1	Project Technology - Calculate as .15% of bid value (.0015)	1	LS		
Allowance 2	BIM hrs for 3-person team	2000	MH		
Allowance 3	20,000 manhours premium time differential only	20000	MH		
Allowance 4	Additional water & drain connections for office locations - See Exhibit B.2 for description	1	LS		
	TOTAL PLUMBING BASE BID				
Core & Shell HVAC					
002	HVAC Equipment - Installation				
003	Air Handling Units		EA		
004	Power Ventilation		EA		
005	Hydronic Pumps		EA		
006	VFDs		EA		
007	Heat Recovery Chillers		EA		
008	HVAC Piping & Pumps				
009	Heating Hot Water		LF		
010	Misc. Heating Equipment		LS		

011	Glycol Piping		LF		
012	Chilled Water		LF		
013	Steam & Condensate System				
014	Steam Piping		LF		
015	Misc. Steam Piping		LF		
016	HVAC Piping Insulation	1	LS		
017	HVAC Air Distribution				
018	Ductwork - Galvanized Rectangular		LB		
019	Ductwork - Galvanized Round		LB		
020	Ductwork - Round Medium Pressure		LF		
021	Ductwork - Stainless Steel & Aluminum		LB		
022	Ductwork - Kitchen Exhaust		LF		
023	HVAC Ductwork Insulation	1	LS		
024	Combination Fire/Smoke Dampers		EA		
025	HVAC Central Heating - Heat Exchangers & Specialties		EA		
026	Decentralized HVAC Equipment				
027	Exterior Soffit Finned Tube		LF		
028	Air Curtains		EA		
029	Fan Coil Units		EA		
030	Misc. Heaters	1	LS		
031	Misc. HVAC				
032	Vibration Isolation	1	LS		
033	Commissioning Assistance	1	LS		
034	Temp Filtration	1	LS		
035	BIBO Filter Assembly	1	LS		
036	GC/GR/Precon				
037	Rigging		LS		
038	Trailer Complex temporary water and sanitary	1	LS		
039	Minimum 70-TN Crane & Operator	18	MO		
040	BIM Coordination		MH		
041	Building Permit - HVAC		LS		
042	Prefab Shop Warehouse Rental	36	MO		
043	Equipment Storage Area		LS		
044	Composite Crew Cleanup/Laborer		MH		
045	Final Cleaning of all Ductwork		LS		
046	Premium Time		MH		
047	Misc. GC/GR Costs		LS		
048	Structural Point Loading Analysis per 23 05 16		LS		
049	Concrete Equipment Pads		LS		
050	Testing, Adjusting, and Balancing		LS		
051	Firestopping		LS		
052	Escalation Recommendation		LS		
053	Contingency Recommendation		LS		
054	Recommended Consumption for utilities during construction		LS		

	Allowances (To be included in Base Bid on Bid Form)				
Allowance 1	Project Technology - Calculate as .15% of bid value (.0015)	1	LS		
Allowance 2	Drain Pan Allowance - See Exhibit B.2 for description	1	LS		
Allowance 3	BIM hrs for 3-person team	5,000	MH		
Allowance 4	60,000 manhours premium time differential only	60,000	MH		
	TOTAL HVAC BASE BID				
	TOTAL COMBO BID (this total should match Base Bid Total on 00 41 16 Bid Proposal Form)				
	Alternates				
Alternate 1	SF Cost for Med Gas Fitout of Podium and Tower Floors	1	LS		
Alternate 2					
	Unit Prices - To be included in the Subcontract				
Unit Price 1	Allowance #2 (work scope item 7.2b) - cost per drain pan with piping	1	EA		
Unit Price 2	Allowance #3 (work scope item 7.3) - cost per hour for 3 person BIM team	1	HR		
Unit Price 3	Cost per month warehouse rental for HVAC Prefabrication (work scope item 4.66)	1	MO		
Unit Price 4	Allowance #4 (work scope item 7.4) - premium cost differential per hour	1	HR		
Unit Price 5	Allowance #5 (work scope item 7.5) - cost per temp drain & hook-up locations	1	EA		
Unit Price 6	One (1) additional shaft cover (L&M) for tower floor (ref. work scope item 4.60)	1	EA		

SECTION 00 41 00 - BID BREAKDOWN FORM

Company Name:

Scope of Work : BP #026.02 Core & Shell Electrical - Add No. 4

Item	Bid Quantities	Quantity	U/M	Unit Price	Total
001	Preconstruction Assistance		MH		
002	Electrical Distribution Equipment - Installation				
003	15kv Switchgear Lineup		EA		
004	15kv Substations		EA		
005	Switchboards		EA		
006	Panelboards		EA		
007	Transformers		EA		
008	Bus Duct		LF		
009	Misc. Distribution Item Install		LS		
010	Emergency Distribution Equipment - Installation				
011	15kv Switchgear Lineup		EA		
012	15kv Substations		EA		
013	Transformers		EA		
014	Panelboards		EA		
015	ATS		EA		
016	Misc. EM Distribution Item Install		LF		
017	Feeders				
018	15kv Feeders	1	LOT		
019	208V-480V Feeders	1	LOT		
020	Bus Duct System	1	LOT		
021	Mechanical & Misc. Equipment Connections	1	LS		
022	Temporary Power				
023	Temporary Lighting and Power	1	LS		
024	Temporary Service Distribution	1	LS		
025	CM Trailer Complex Power	1	LS		
026	Tower Cranes & Buckhoist Connections		LS		
027	Temporary Elevator Power		EA		
028	Grounding/Lightning Protection	1	LS		
029	Branch Power - Level 3/4	1	LS		
030	Lighting				
031	Level 3/4 Lighting	1	LS		
032	Electrical Room Lighting	1	LS		
033	Telecom Room Lighting	1	LS		
034	Misc. Lighting	1	LS		
035	Div 27/28 Pathways	1	LS		
036	GC/GR/Precon				
037	Trailer Complex temporary electric and data	1	LS		
038	Hoisting		LS		

039	Minimum 70-TN Crane & Operator	18	MO		
040	BIM Coordination		MH		
041	Building Permit - Electric		LS		
042	Composite Crew Cleanup/Laborer		MH		
043	Premium Time		MH		
044	Misc. GC/GR Costs		LS		
045	Warehouse rental for Electrical Prefabrication	24	MO		
046	Concrete Equipment Pads	1	LS		
047	Firestopping		LS		
048	Escalation Recommendation		LS		
049	Contingency Recommendation		LS		
050	Recommended Consumption for utilities during construction		LS		
	Allowances (To be included in Base Bid on Bid Form)				
Allowance 1	Project Technology - Calculate as .15% of bid value (.0015)	1	LS		
Allowance 2	Steel Welder Relocation - see Exhibit B.2 for description	1	LS		
Allowance 3	Pigtail Connections - see Exhibit B.2 for description	1	LS		
Allowance 4	Panel / Breaker changes post coordination study - see Exhibit B.2 for description	1	LS		
Allowance 5	20,000 manhours premium time differential only	20,000	MH		
Allowance 6	BIM hrs for 3-person team	5,000	MH		
	TOTAL BASE BID (this total should match Base Bid Total on 00 41 16 Bid Proposal Form)				
	Alternates				
Alternate 1					
Alternate 2					
	Unit Prices - To be included in the Subcontract				
Unit Price 1	Allowance #2 (work scope item 7.2b) - cost per relocation of units	1	EA		
Unit Price 2	Allowance #3 (work scope item 7.3) - cost per pig tail connection	1	EA		
Unit Price 3	Cost per month warehouse rental for Electrical Prefabrication (work scope item 4.51)	1	MO		
Unit Price 4	Allowance #5 (work scope item 7.5) - premium cost differential per hour	1	HR		
Unit Price 5	Allowance #6 (work scope item 7.6) - cost per hour for 3 person BIM team	1	HR		