



University of Kentucky[®]

Procurement Services

INVITATION FOR BIDS

CCK-2563.30-4-24

CTC + AAC BP07 Core & Shell Group 1

ADDENDUM #5

July 1, 2024

IMPORTANT: BID AND ADDENDUM MUST BE RECEIVED BY: 07/11/2024 @ 3:00 P.M. LEXINGTON, KY TIME

Bidder must acknowledge receipt of this and any addendum as stated in the Invitation for Bids.

ITEM #1: BIDDER NOTICES

- The University is still reviewing the original stated requirement to use union carpenters for TC-03A.7 Concrete. Further clarification on the use of union carpenters will be specified in a later Addendum.

ITEM #2: UPDATES TO THE ORIGINAL BID DOCUMENTS

- Please refer to and incorporate within the offer the enclosed additional information from the project team.

OFFICIAL APPROVAL
UNIVERSITY OF KENTUCKY

Corey W. Leslie/ Construction Procurement

SIGNATURE

Typed or Printed Name

University of Kentucky
Procurement Services
322 Peterson Service Building
Lexington, KY 40506-0005



Addendum #05

Client	University of Kentucky Healthcare	Date	06/28/2024
Project	BP-07 Core and Shell	UK Project #	2563.3
		Champlin Project #	514-6926

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 and shall govern the work covered by the Form of Proposal. All work to be in strict accordance with the terms, stipulations and conditions of contract documents.

CLARIFICATION:

Drawings with revision clouds have changes as described below. Changes to the luminaire schedule are in narrative form only. Those changes should be priced. Updated drawing and lighting specification will be issued in future addendum.

SUMMARY OF ATTACHMENTS

PART A - DRAWINGS:

G020 – LIFE SAFETY – CODE SUMMARY

1. Added UL design assemblies.

PART B – LUMINAIRE SCHEDULE E900:

Changes to the luminaire schedule are in narrative form only. Those changes should be priced. Updated drawing and lighting specification will be issued in future addendum.

Types L1/L1A – add option 7PR 7-pin receptacle for future controls integration. Provide watertight cover for receptable. Change source to 80CRI – 3K8

Types L2 – change fixture to KIM1SA-SARA2-27L-695-3K8-2-UNV-4.00-[FINISH]-7PR-XX

Change Pole finish to: PR4-4R12-125-[FINISH]-1A

Add option 7PR 7-pin receptacle for future controls integration.

Provide watertight cover for receptable.

Types L2A – change fixture to KIM1SA-SARA2-27L-695-3K8-2-UNV-4.00-[FINISH]-7PR-XX

Change Pole finish to: PR4-4R12-125-[FINISH]-1A

Add option 7PR 7-pin receptacle for future controls integration.

Provide watertight cover for receptable.

THINK CREATE REALIZE

T 513.241.4474 TF 800.925.4424 720 East Pete Rose Way, Cincinnati, OH 45202 thinkchamplin.com

Types L2B – change fixture to KIM1SA-SARA2-27L-695-3K8-2-UNV-4.00-[FINISH]-7PR-XX
Change Pole finish to: PR4-4R12-125-[FINISH]-1A
Add option 7PR 7-pin receptacle for future controls integration.
Provide watertight cover for receptable.

PART C – RESPONSES TO BIDDER QUESTIONS:

See Project Team responses to bidder question on CCK-2563.30-4-24 Core Shell Group 1 QR Log.

PART D – ADDITIONAL EXHIBITS

None

PART E – SKETCHES

None

PART F – UPDATED BID FORMS

None

End of Addendum



Bid Package 07 - Core and Shell Group 1

Question and Response Log

Responses As Of: 07/1/2024 @ 8:00 AM

#	Date	From	Question	Responder	Response	Release
1	45453	Tim Estridge, Hussung	For Bid Package Plumbing (TC 22A.7), Allowance 10 says to provide Saturdays-Full Crew-10 Days. Please clearly define this allowance. How many men for these 10 days should this Allowance be for?	Walsh	Bid Breakdown form will be updated to reflect a labor hour value rather than a quantity of Saturdays.	Released with Add 2
2	45453	Tim Estridge, Hussung	For Bid Package HVAC/Mechanical (TC 23A.7), Allowance 11 says to provide Saturdays-Full Crew Airside-10 Days. Please clearly define this allowance. How many men for these 10 days should this Allowance be for?	Walsh	Bid Breakdown form will be updated to reflect a labor hour value rather than a quantity of Saturdays.	Released with Add 2
3	45453	Tim Estridge, Hussung	For Bid Package HVAC/Mechanical (TC 23A.7), Allowance 11 says to provide Saturdays-Full Crew Wetside-10 Days. Please clearly define this allowance. How many men for these 10 days should this Allowance be for?	Walsh	Bid Breakdown form will be updated to reflect a labor hour value rather than a quantity of Saturdays.	Released with Add 2
4	45453	Tim Estridge, Hussung	Under Trade Category Scope Clarifications for HVAC/Mechanical (TC 23A.7) Item #77 Provide Steam Trap Monitoring System per documents. We do not see this in the documents, is this required?	Walsh, CMTA	Intent was not to create an additional requirement. Comply with the documents.	Released with Add 2
5	45453	Tim Estridge, Hussung	Item #80 The subcontractor is responsible for all project consumption costs related to temporary steam for the duration of the project.-This is not possible to do, please provide an allowance for this.	Walsh	Consumption costs will be funded by listed Utility Allowance on the bid breakdown form.	Released with Add 2
6	45453	Tim Estridge, Hussung	Will the Tower Crane be utilized for setting HVAC equipment?	Walsh	A Tower Crane Utilization Matrix to be provided with anticipated Addendum #4. Subcontractors owe their own hoisting. Priority of crane usage time listed in B.1.	Released with Add 2
7	45450	Tim Estridge, Hussung	What bid package is the Fuel Oil Tank, Pumps and Piping fall under?	Walsh	TC22A7 Plumbing will carry the fuel oil system. The Plumbing and HVAC Bid Breakdown forms have been updated to correct the confusion.	Released with Add 2
8	45450	Tim Estridge, Hussung	Is the Building Automation/Temperature Controls to be include in Bid Package TC 23A.7 ?	Walsh	Walsh: Controls are to be bid as a separate RFP in July timeframe.	Released with Add 2
9	45450	Tim Estridge, Hussung	The various bid forms show allowances to include for BIM Coordination. Will this include everything, meetings, Pipe/duct drawings, sleeve drawings, clash detection, coordination updates?	Walsh	Stated BIM Coordination Allowance will be utilized for 3rd party BIM Coordination costs. Subcontractor shall carry cost for their own BIM coordination activities including meetings, modeling, sleeve drawings, coordination updates, clash detection, and similar BIM coordination scope of work.	Released with Add 2
10	45451	Casey Brooks. Strong Tower	It has come to our attention that the 2500UT basis of design system is not a good fit for the project and Kawneer has suggested the 1600UT system which has been the basis of design for other buildings at UK. Please Advise if 1600 UT will be acceptable	Champlin / HGA	Walsh/Champlin/HGA: This is not being bid as part of Group 1. Design team will review and respond as part of the Group 2 bidding process which will begin in approximately the next week.	Released with Add 2
11	45451	Casey Brooks. Strong Tower	1. Detailing within the arch's indicate a desired overall system depth of 10". The captured 2500UT system has a standard depth of 7 1/2". Some custom dies do exist for the system but none that would match that aesthetic.	Champlin / HGA	Walsh/Champlin/HGA: This is not being bid as part of Group 1. Design team will review and respond as part of the Group 2 bidding process which will begin in approximately the next week.	Released with Add 2
12	45451	Casey Brooks. Strong Tower	2. The 2500UT system was designed primarily to address projects with high thermal requirements or that needed the aesthetic of a 4 side SSG look. Provisions for deep covers or the support of sunshades are not provided within the standard system. Customization to the chassis to accept those features typically result in an increased sightline of 3" and a reduction of the advertised high thermal values.	Champlin / HGA	Walsh/Champlin/HGA: This is not being bid as part of Group 1. Design team will review and respond as part of the Group 2 bidding process which will begin in approximately the next week.	Released with Add 2
13	45451	Casey Brooks. Strong Tower	3. The arch's show spans of 20' at the South and East elevations of the project. The calculated wind load based on project requirements was 41 PSF and the vertical module spacing at those 20' spans was 48". The standard 7 1/2" deep 2500UT chassis, reinforced with steel, will not make those spans based on the loading requirements and the vertical mullion spacing. The maximum span for the standard system at loading would be between 15' to 16' as shown in the chart below. There are no existing dies for the system that will meet these requirements. (Wind load charts can be found in the Architectural Detail Manual for the product which is available for download from our website)	Champlin / HGA	Walsh/Champlin/HGA: This is not being bid as part of Group 1. Design team will review and respond as part of the Group 2 bidding process which will begin in approximately the next week.	Released with Add 2

Bid Package 07 - Core and Shell Group 1

Question and Response Log

Responses As Of: 07/1/2024 @ 8:00 AM

#	Date	From	Question	Responder	Response	Release
14	45447	Thomas Darnell, Besco	1. Advertisement for bid AB-2 (5) Project Schedule lists the time for substantial completion as 365 consecutive calendar days. During the pre-bid call it was mentioned that substantial completion for this bid package was sometime Q4 of 2026 but there was a slide showing September of 2026. In the project schedule I only see a date listed of 10/27/26 for substantial completion of the overall project. I see a BIM core & shell but I'm struggling to find specific dates as it pertains to this bid package and specifically TC26A.7 For instance TC26A.7 requires temporary electric and lighting to be designed by a PE but I don't see dates specific to this.	Walsh	10/26/2027 is the current projected substantial completion date. 9/20/2027 is the current targeted substantial completion date. Schedule will drive the substantial completion dates rather than the advertisement to bid. Temporary site lighting is to be provided by others. Temporary interior lighting of the floors shall follow the concrete activities in the schedule. Temp lighting of floors to be provided immediately after stripping of formwork and start of reshoring. 'Full' temporary electrical power for construction operations to be available no later than reshores being pulled for each floor. Temporary power for mechanical systems per the contract schedule.	Released with Add 2
15	45447	Thomas Darnell, Besco	2. To bid this package, we need detailed bills of materials including sizes and weights of all material that we are responsible for installing that will be furnished by others. TC26A.7 items 51-53 are weight / dimension specific. This complete BOM is also required to address item 70. Permitting required we know the values as it is based off a % of these furnished items as well.	Walsh / AEI	Estimated dimensions are on the drawings, with exception to the "shipping split" information, which will not be available until submittals are provided. Approximate weights are provided on the included sketch "Conceptual Electrical Equipment Weights"	Released with Add 2
16	45447	Thomas Darnell, Besco	3. If gear is to be furnished by others should item 74 be removed from scope since we have no remedy with the manufacturer if breakers are incorrect?	Walsh / AEI	Intent is that the panels will be shipped with final coordinated breaker sizes factory installed. Where this is not feasible or otherwise not complete, the C&S subcontractor shall correct the panels. Unit costs have been added to the Bid Breakdown form to account for possible changes. Assume that breakers to be provided by others.	Released with Add 2
17	45446	Dan Zornes, Glenwood	Will temporary smoke detectors need to be provided during construction?	Walsh	No. This is not a project requirement.	Released with Add 2
18	45446	Dan Zornes, Glenwood	Note 6.J of the electrical scope relates to temp. power for the mechanical contractor and temp. conditioning of the project. Can more information be provided for this? A building of this size could require significant temp. power to achieve the proper conditioning.	Walsh	Subcontractor shall plan to power equipment for 18 months. See other RFIs for consumption concerns.	Released with Add 2
19	45446	Dan Zornes, Glenwood	Please provide clarification to note 24 in the electrical scope. I do not see any reference to communication backbone, branches or pathways on the bid drawings nor a line item on the bid form. Also, page 10 states Low Voltage rough in is excluded from this package.	Walsh	Sleeves only by the core and shell subcontractor	Released with Add 2
20	45446	Dan Zornes, Glenwood	There are multiple references to site electrical, site lighting and building lighting in scope. The bid form states that this isn't part of this bid pack. Please clarify.	Walsh	Bid breakdown form will be corrected. Scope is intended to be part of the Core and Shell Package.	Released with Add 2
21	45446	Dan Zornes, Glenwood	5. Note 77 in the electrical scope states the EC is responsible for project power consumption costs. Is allowance 13 in place to cover these fees? What if this allowance is exceeded?	Walsh	Consumption will be covered by an Utility Allowance. If consumption exceeds this value, adjustments will be made accordingly.	Released with Add 2
22	45447	ae Coulter, Schiller Hardwa	The doors schedule has just under 200 openings listed and the hardware specs have hardware set assignments for all openings on the door schedule, but plan page A-700 has a note between the door schedule sections of exterior doors and interior doors that states "Interior doors, frames, and assemblies are to be considered interior fit-out project scope and are included here for reference purposes only." -Based on this, should we only be pricing the roughly 20-25 openings listed on the "exterior" door schedule at the top left corner, and exclude all openings on the "interior" door schedules on the rest of the page?	Walsh	Doors, Frames, and Hardware will be bid as a single package with Interior Fit Out drawings in the September / October time frame.	Released with Add 2

Bid Package 07 - Core and Shell Group 1

Question and Response Log

Responses As Of: 07/17/2024 @ 8:00 AM

#	Date	From	Question	Responder	Response	Release
23	45447	ae Coulter, Schiller Hardwa	What trade category will this scope fall under? Division 8 Openings is listed under a few Trade Categories, but I do not see anything about doors, frames, and hardware listed under any specific trade category.	Walsh	Doors, Frames, and Hardware will be bid as a single package with Interior Fit Out drawings in the September / October time frame.	Released with Add 2
24	45447	ae Coulter, Schiller Hardwa	Are any division 10 items needed in this phase of bidding and if so, what trade category will this scope fall under? Division 10 Specialties is listed under a few Trade Categories, but I do not see anything specialties listed under any specific trade category.	Walsh	Div 10 will be bid as a single package with Interior Fit Out drawings in the September / October time frame.	Released with Add 2
25	45447	Robert Ford, Dugan & Meyer	Please explain the union requirements for this project. The concrete scope of work mentions union carpenters are required for this scope of work. Is there a PLA for the project?	Walsh	Pursuant to Trade Category Par. 5.1, union carpenters are required for the concrete scope of the project. A PLA is not anticipated at this time.	Released with Add 2
26	45448	Austin Fackler, Victaulic	PIPE, PIPE FITTINGS AND PIPE SUPPORT – 201300: Hydronic Chilled Water/Process Chilled Water Piping: Can Victaulic HDPE Piping System be used as an alternative to heat fusion joints for above ground hydronic chilled water and process chilled water 2" and above? System includes Victaulic Style 905 Couplings designed for installation on plain-end HDPE piping, Style 907 Transition Coupling for use in conjunction with	CMTA	Yes; allowance of grooved couplings will be included as a contractor's option.	Released with Add 2
27	45448	Austin Fackler, Victaulic	PIPE, PIPE FITTINGS AND PIPE SUPPORT – 201300: Hydronic Chilled Water/Process Chilled Water Piping: Can schedule 40 carbon steel/std weight piping be used as an alternative to HDPE piping for above ground hydronic chilled water and process chilled water 2" and above?	CMTA	Not at this time. Refer to any updates issued in the addendum phase.	Released with Add 2
28	45448	Austin Fackler, Victaulic	PIPE, PIPE FITTINGS AND PIPE SUPPORT – 201300: Hydronic Hot Water Piping (Heating Water, Baseboard Heating Water) Per currently published UK Design Standards for HVAC Piping Systems, there are no restrictions on using Victaulic grooved piping in enclosed spaces. Can confirmation and context be provided whether Victaulic grooved mechanical pipe joints can be used in shafts and above drywall ceilings for hydronic	CMTA	Refer to the specifications for restrictions on locations of grooved mechanical piping joints.	Released with Add 2
29	45448	Dan Zornes, Glenwood	Please confirm that we can install PVC Schedule 40 under level 00 slab to all distribution equipment including the ATS Cabinets	AEI	PVC is acceptable in locations indicated by specifications and installed in compliance with specifications including, but not limited to, 260543/260533 (IE:rigid elbows, concrete encasement under structural members) (AEI)	Released with Add 2
30	45448	Dan Zornes, Glenwood	Is the bus duct part of OFCI equipment or is the contractor to provide?	Walsh	No. The bus duct will not be considered an OFCI item. See attached sketch for what is to be considered OFCI.	Released with Add 2
31	45447	Spalding - Twin Lakes Fire	The building is category A seismic. Does this facility require seismic bracing?	CMTA	No.	Released with Add 2
32	45447	Spalding - Twin Lakes Fire	It states that flex drops and brackets can be used. Is that correct?	CMTA	That is correct.	Released with Add 2
33	45447	Spalding - Twin Lakes Fire	I cannot find the site drawings with the fire service. Will this be installed in the previous contracts?	Bell	Walsh: No This is not installed via previous contracts. CMTA: Refer sheets U210.3 and U210.4.	Released with Add 2
34	45450	Lucas Anderson JCI	1. Is the building automation being bid as a part of BP-07? There are no control drawings provided.	Walsh	Walsh: Controls are to be bid as a separate RFP in July timeframe.	Released with Add 2
35	45450	Lucas Anderson JCI	2. Will the building automation contractor bid to the HVAC Trade Contractor TC 23A.7?	Walsh	Walsh: Controls are to be bid as a separate RFP in July timeframe.	Released with Add 2
36	45450	Lucas Anderson JCI	3. In TC 23A.7 there is a specific exclusion for "Conduit for Building Automation System". Is the Electrical contractor going to be expected to provide the conduit for the building automation system?	Walsh	Walsh: Controls are to be bid as a separate RFP in July timeframe.	Released with Add 2
37	45450	Lucas Anderson JCI	4. If building automation controls are being bid as a part of BP-07 please provide a controls specification specific to this project.	Walsh	Walsh: Controls are to be bid as a separate RFP in July timeframe.	Released with Add 2
38	45450	Lucas Anderson JCI	5. TC 23A.7 has a \$215k allowance for BIM coordination. Does the Building Automation contractor need to participate in BIM coordination? If so, can there be an allowance given for this contractor?	Walsh	Yes Controls Subcontractor will participate in BIM. Requirements will be spelled out in the future Controls package. An allowance has not been established for any subcontractor's performance in BIM coordination and will not be established for the controls subcontractor. See other RFI responses for purpose of the BIM Coordination allowance.	Released with Add 2
40	45450	ylor Wodzinski, WR Meado	We are submitting AIR-SHIELD™ LSR Liquid Membrane Air/Vapor and Liquid Moisture Barrier for your consideration. Please confirm if this is an acceptable product.	Champlin / HGA	Walsh/Champlin/HGA: This is not being bid as part of Group 1. Design team will review and respond as part of the Group 2 bidding process which will begin in approximately the next week. This is under review.	Released with Add 2
41	45453	Tim Estridge, Hussung	Can a combination bid be submitted for Plumbing(TC 22A.7) and HVAC/Mechanical (TC 23A.7)?	Walsh / UK	A new form of proposal will be provided to allow for combination bidding of HVAC and Plumbing and Earthwork and Utilities. These new Form of Proposals will be included with Addendum #4 but will be a direct combination of the combined forms.	Released with Add 2
42	45453	Thomas Darnell, Besco	1. Fixture type L9A says fixture to be surface mounted on roof without penetrating the membrane and directs to architectural drawings for mounting detail. I'm probably overlooking it, but I cannot find this detail. Can the specific sheet number be called out for this detail?	AEI	AEI: A simple weighted, non-penetrating mount suitable for lightweight equipment shall be used. Detailed information on the base mount will be provided in a subsequent issuance.	Released with Add 4

Bid Package 07 - Core and Shell Group 1

Question and Response Log

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#	Date	From	Question	Responder	Response	Release
43	45453	Thomas Darnell, Besco	E201.A note 1 says to coordinate remote driver location with architect. Can either the location of remote drivers be identified, or a maximum distance be established. The location of remote drivers can greatly impact conduit and wire routing.	AEI	AEI: Anticipated locations for these drivers are as follows. Precise mounting locations with these areas shall be coordinated with Architect in the field. Generally, driver distance from fixture shall not exceed 30 ft. Door ST00B1.1 – Driver located above ceiling in EXIT PASSAGEWAY ST00B1. Door A100E/F – Driver located above ceiling just inside the door in Corridor A100E. Door A100W – Driver located in tunnel TL0003 near LINAC EQ CSA00H. High on wall or overhead mounted to deck. Door A107 – Driver located in MECH/PLUMBING CSA00F. High on wall or overhead mounted to deck.	Released with Add 2
44	45453	Thomas Darnell, Besco	3. Sheet E202.A note 1 calls for a weighted roof mount base for fixture L5. Is there a spec or basis of design for this base? (Same note called out on 208.A for fixture L9A so ties back to question 1)	AEI	AEI: Refer to response for item #42 - this fixture type shall utilize a similar mounting to Type L9A.	Released with Add 4
45	45453	Thomas Darnell, Besco	Note on site lighting calls for handholes at "300' (maximum) as required" but doesn't elaborate on the purpose of these handholes. Can we get additional direction on this requirement?	AEI	Handholes installed to be utilized as a pull box. Provide as directed by documents. (AEI)	Released with Add 2
46	45453	Thomas Darnell, Besco	5. Sheet ESP202 note 1 refers to architectural drawings for quantity and location of handrail lighting. On the related detail on sheet A020 I see met rail 6 and length but I'm struggling to find any further detail. A011 shows met rail 6 as having "integral light fixtures"	AEI	AEI: Type L11 light fixtures shall be mounted within vertical support posts of handrail system, approximately 4'-0" on center. Handrail system detail drawings will be provided in a subsequent issuance. Also refer to written specifications for additional information.	Released with Add 4
47	45453	Thomas Darnell, Besco	6. E500 shows a couple of battery charges and battery disconnects. Ampacity is shown but feeding panel and voltage appears to be missing.	AEI	Revisions were made to add circuiting and revise disconnect size in Addendum #4. Refer to sheets E500 and E505 for battery charger requirements for Lower Level and Penthouse, respectively. (AEI)	Released with Add 4
48	45453	Thomas Darnell, Besco	7. ESP100 shows a lot of signage locations and a talk-a-phone. Scope item 40 addresses the talk a phone but doesn't indicate what panel the should be fed from. Scope item 42 addresses signage but based on the plans it appears that many of the signs are not internally lit as no power is shown to the sign. Can we confirmed that all sign locations that need power have power shown? For instance, area 1 shows a dozen or more signage locations on the overall plan but not a single one of them has power shown on ESP101	Walsh / AEI	Circuit for Talk-a-Phone was added in Addendum #2 - refer to ESP100 (AEI). Conceptual Signage Package is provided for reference with ADD#4. This provides more information related to lit vs non lit signage on the site.	Released with Add 4
49	45453	Thomas Darnell, Besco	8. ESP102 note 1 says to provide power to site signage but doesn't indicate the ampacity, voltage or serving panel.	AEI/Walsh	Signage design is not complete. For purposes of bidding assume 120v / 20A for the site signage power connection. The signs will be powered from the same panelboard that powers the lighting in the area of the signage. (AEI)	Released with Add 4
50	45453	Thomas Darnell, Besco	Panel schedules are missing.	AEI	Panel schedules will not be provided for Core/Shell. Panelboards are being furnished by UK. Final schedules will be issued with Fit-Out package. (AEI). Design Development Drawings of the Interior Fit out will be provided in Addendum #3 for reference.	Released with Add 2
51	45453	Thomas Darnell, Besco	What is service expectation for the temporary wifi called out in scope item 78? It seems like controlling access is probably going to be difficult so I could easily see this system become overwhelmed.	Walsh	Service expectation is to allow support of minor IOT devices in the building and support use of tablets and phones for drawing review. Assume that hot spots will be provided on each floor in the following areas: at each stair well, at skip hoist location, at each elevator bank, and at 1 additional huddle space. The 4th floor will have a large break area that will require additional coverage to support the use of the space. Assume additional 10 WAP locations for this use.	Released with Add 2
52	45453	Thomas Darnell, Besco	There's several references to exhibit J but I've failed to find the exhibit.	Walsh	Walsh to provide Ex J.	Released with Add 2
53	45453	Thomas Darnell, Besco	Scope for temporary allows remanufactured transformers. Is remanufactured gear acceptable for temporary as well?	Walsh	This is acceptable. Subcontractor will be required to maintain the equipment.	Released with Add 2
54	45453	Thomas Darnell, Besco	Scope specifically excludes rough-in for low voltage systems. Does any work in the technology drawings need to be included?	Walsh	Core and Shell subcontractor shall provide sleeves for low voltage and technology systems. No other rough in or trim is part of the core and shell scope.	Released with Add 2
55	45453	Thomas Darnell, Besco	Scope specifically excludes fire alarm. In addendum 1 a lot of fire smoke dampers were added. Do we only need to supply power to these?	Walsh / AEI	Power to these units will be carried with fit out contractor.	Released with Add 2
56	45453	Thomas Darnell, Besco	With the number of drawings issued as part of addendum 1 would it be possible to extend the last day for questions?	Walsh / UK	Bid day will extend refer to addendum information.	Released with Add 2
57	45453	Tim Estridge, Hussung	The drawings for Trade Category 23A.7 indicate VFD's are shown for reference only and will be provided by the Controls Contractor as part of a future bid package. Item 52. in our Trade Package description states, provide variable frequency drives for all HVAC equipment as specified. Please confirm whose responsibility it is to provide the VFD's.	Walsh/CMTA	VFD's will be provided by the temperature controls contractor in an upcoming bid package.	Released with Add 2
58			Is an underdrain system required for the building?	Geotech	An underdrain is not specified for the entire building. Refer to foundation drains for related scope of work.	Released with Add 4
59			Where do foundation drains tie into the storm systems?	Bell	See Sketch for foundation drain tie in points.	Released with Add 2

Bid Package 07 - Core and Shell Group 1

Question and Response Log

Responses As Of: 07/1/2024 @ 8:00 AM

#	Date	From	Question	Responder	Response	Release
60	45455	Austin Fackler, Victaulic	Bidding contractors have brought to our attention that the Core & Shell package drawings do not designate what ceiling types are to be used where (ie. Lay-in or Drywall) and therefore they cannot confidently determine where Victaulic can or cannot be used outside of mechanical rooms. As result, we are being told this will affect bid costs dramatically if weld is to be factored in for all piping outside the mech rooms. Other factors that would be affected are labor/manpower, coordination/fabrication, and material allocation. Will ceiling type with area designations be available for bidders prior to bid? If not, can any clarification be provided as to how bidders can best determine what ceiling locations are to be considered 'accessible' when evaluating the hydronic hot water piping?	walsh	Fit out Interiors DD drawings will be issued for reference. Bid Packages 1 through 5 will also be provided for reference. This large reference package will be a Separate Addendum (Addendum 3) to limit confusion from 'base' scope of work.	Released with Add 2
61	45461	Thomas Darnell, Besco	The plans reference prior bid packages 1 & 2. Is there somewhere we can access these prior drawing packages?	walsh	Fit out Interiors DD drawings will be issued for reference. Bid Packages 1 through 5 will also be provided for reference. This large reference package will be a separate addendum. Subcontractors shall be responsible for coordination with the entire project.	Released with Add 2
62	45456	mkamp RIW Ornamental M	The specs mention a gate, but A400 and A405 scale a 3.5' wide gate and the opening between retaining walls is 8'wide. So, I'm asking if they want a double gate in this area and is one leaf supposed to be stationary to work with a panic bar latch or does the cable railing extend beyond the walls to allow for only a single 3.5' wide gate with self-closing hinges, card reader and a panic bar latch at this location?	Walsh	This scope is not being bid with Group 1 bids but will be bid in the future with a specific site fencing Trade Category in Group 3. Design team will review and respond as part of the Group 3 bid.	Released with Add 4
63	45456	mkamp RIW Ornamental M	Is there a walk gate on the east side of the South Terrace? Building Elevations 2/A400 and A405 appear to show a gate in this area between the retaining walls and cable railing. If so, what type of gate hardware is required? Please advise.	Walsh	This scope is not being bid with Group 1 bids but will be bid in the future with a specific site fencing Trade Category in Group 3. Design team will review and respond as part of the Group 3 bid.	Released with Add 4
64	45455	Jorman Spalding, Twin Lake	The plans note 100% wet pipe sprinkler coverage but then contradict this in the same Tagged note : (PG 3187 of PDF). Do I interpret this note we will only be running the infrastructure and 1) Mechanical room piping sprinklers 2) Specific areas noted on each plan 3) The pre action for the generator room. If we are installing piping and heads throughout can we receive the RCP plans.	Walsh	Note F1 is incorrect. Intent is for a single Fire Protection Bid Package without a split of Core and Shell and Fit out. There will only be 1 Fire Protection contract issued. 100% Design Development Fit Out drawings, with Ceiling Plans, will be issued via addendum 3. All areas except as noted to be exceptions to the fully sprinklered building will have coverage provided.	Released with Add 2
65	45455	Steve Samuels, Whittenberg	1. Given the complexity of this project, can the bid date be extended?	Walsh	Bid date is being extended. See addendum for details.	Released with Add 2
66	45455	Steve Samuels, Whittenberg	2. Given the complexity of this project, can the last date for questions be extended?	Walsh	Questions will be answered to questions received as time allows. UK has continued to forward questions	Released with Add 2
67	45455	Steve Samuels, Whittenberg	3. Is the Construction Manager "Walsh" bidding the cast in place concrete scope?	Walsh	No. Walsh will not be providing a Bid on any scopes of work.	Released with Add 2
68	45455	Steve Samuels, Whittenberg	4. Reference detail #2/S301 at the elevator mat slab thickenings for column locations. What thickness are these areas required to be?	THP	Footings are called out on plan drawing S200B. Drawing notes and footing schedule are on the overall plan drawing S200.	Released with Add 2
69	45455	Steve Samuels, Whittenberg	5. Reference drawing #S604. Beam #'s B402 - B411 and beam #B431 have a zero for either the width or the depth. What are the width and depth requirements for these beams?	THP	Please refer to updated schedules on the drawings issued in addendum(s).	Released with Add 2
70	45455	Steve Samuels, Whittenberg	6. Reference drawing #S200C. What are the structural detail requirements where the CMU Firewall occurs adjacent to column lines L.3 and 17?	THP	Foundation below CMU firewall will be shared with the garage structure and issued in a future package. Contractor to coordinate with the garage contractor.	Released with Add 2
71	45455	Steve Samuels, Whittenberg	7. Reference keynote #2/S200A, etc. What are the detail requirements for thickened slabs at the stairs? We are not finding a detail for this condition.	THP	Thicken slab on grade where noted below stairs the same as at masonry walls, shown on S103.	Released with Add 2
72	45455	Steve Samuels, Whittenberg	8. Reference drawing #S200C. Section #34/S303 is referenced along column line #M left of line #13. It appears this reference is in error as it is showing a concrete shearwall in the section but the location it is taken is through a CMU wall. What is the correct detail reference at this location?	THP	Section 34/S303 is correct and applies at line 13. The detail shows the grade beam step and tie bars required at line 13.	Released with Add 2
73	45454	Dan Zornes, Glenwood	Can the shaft area at Stairway "C" or the EIDF room "C" be used for electrical conduits going up to the Penthouse from level 00? See Drawing E300 thru E308.	HGA / Champlin	See E310U for planned location for electrical risers to L8. Also, See E300 from Addendum 4 for additional information on these shafts. The EIDF rooms are only to be utilized for Fire Alarm Risers. No power conduits, other than F/A are allowed in EIDF.	Released with Add 4
74	45454	Jorman Spalding, Tinw Lake	I do not see the utility drawings that has the fire main. Do we just stub out 5 foot from building?	Walsh	Site Utility contractor to bring Fire main into building and stub up. Refer sheets U210.3 and U210.4.	Released with Add 2
75	45454	Jorman Spalding, Tinw Lake	Will a payment and performance bond will be required?	Walsh	Project will utilize an SDI program and a payment and performance bond should NOT be included in base bids. Some Specific trade categories will have a requested unit cost for bond costs. If a firm is deemed ineligible for the SDI program, an opportunity will be provided to provide a bond ilo entry into the SDI program.	Released with Add 2
76	45456	mkamp RIW Ornamental M	Is the CCK-2653.30-4-24 UK Cancer Treatment Center project really tax exempt per article 14 - Taxes, IB-12?	Walsh	The project is not Tax Exempt. Article 14 states this correctly.	Released with Add 4

Bid Package 07 - Core and Shell Group 1

Question and Response Log

Responses As Of: 07/1/2024 @ 8:00 AM

#	Date	From	Question	Responder	Response	Release
77			Reference has been made to a distinction on the scope of responsibility of the Concrete subcontractor vs the Drilled Piers subcontractor. Please clarify.	Walsh	See Sketch attached. The Concrete subcontractor shall include the '2nd lift' of concrete above the construction joint.	Released with Add 2
78			Is Plumbing contractor to furnish and install the medical gas equipment?	Walsh	No. Complete Medical Gas system to be provided by Fit Out subcontractor. Core and Shell Contractor to provide sleeves only.	Released with Add 4
79			Can Limestone be shut down to allow for setting of bridge steel.	Walsh	Subcontractors shall assume all work in the Limestone Right of Way to be completed off hours with Work Hours being 7 pm to 6am inclusive of daily set up and breakdown of road closures and safety protections. All subcontractors working in the right of way should anticipate individual street permits and shut downs along with roadway protections for work in the right of way.	Released with Add 2
80			Please confirm that Metal Fab 4 is part of the Steel and misc Metals scope of work.	Walsh	Confirmed. This is part of the Steel Trade Category as part of the 055119 Specification.	Released with Add 4
80			Please provide information related to requirements of backfill of the foundation walls	THP	<p>The foundation walls are laterally supported by the Level 01 slab and Level 00 slab on grade and grade beams.</p> <p>Before slabs are in place, backfill may be placed to about 4 feet high to install the perimeter drainage, but should not be placed higher until the Level 01 slab is in place.</p> <p>With Level 01 in place but no slab on grade, backfill may be placed to about 12 feet high and should be monitored to ensure there is no displacement of the base of the wall. Note that the service corridor "tunnel" slab on grade and top slab must be in place, since the outer west wall is not a retaining wall and relies on the main wall along Line 9 for lateral support at both top and bottom. At the garden, the battered wall is a retaining wall that supports the outer wall.</p> <p>Backfill may be placed full height when Level 01 is in place and the slab on grade is in place for at least two bays in from the wall. The slab on grade should extend from the wall to Line C, Line 6.9 by the elevators, and Line M, and be cast to the Linacc walls and south or west face of the columns. The slab on grade within the Linaccs may be cast later, since the vault walls and top will brace the main wall along Line 9.</p> <p>The retention system does not alleviate the backfill limits, since the backfill and compaction methods apply pressure to the wall.</p> <p>Backfill placement, construction, monitoring, means and methods are ultimately contractor responsibilities.</p>	Released with Add 2
81			Confirm if the Bridge Steel is part of this Steel Package or to be provided by others.	Walsh	Yes, the pedestrian bridge is in this package. Scope of work will be rewritten to more clearly delineate scope of work on the Pedestrian Bridge.	Released with Add 2
82			Please clarify requirements for the Warehouse in HVAC scope of work. Is this just for HVAC materials? What type of trucks are required to get there. Are there climate control and fire protection requirements?	Walsh	This requirement will be removed from this trade category.	Released with Add 2
83			Is there any scope of work in BP7 that overlaps with BP1 Elizabeth Street or BP2 Site Utilities?	Walsh	Storm Line H including manhole and inlets south of the Waller Annex is not to be included with BP7 . 5 Light fixtures along Waller are not to be included with BP7. See Sketch for the specific	Released with Add 4
84			Please clarify if the Steel Trade Contractor has any scope for the following Details: On sheet S204B there are two sections cut (3/S401 and 10/S401) and on sheet S208A (73 & 74/S405). We would be responsible for 58 & 59/S405 that is cut on sheet S203B, is this a correct assumption?	Walsh	<p>3/S401 - Connection and anchorage to slab by Curtain Wall Subcontractor.</p> <p>10/S401 - Thermally Broken brick support system to be furnished and installed by the Mason. Lintel component of this system to be furnished by Steel Subcontractor and Installed by Mason. Refer to Scope of Work Ex B.2 Misc Metals Item 8. All shelf angles and loose lintels to be furnished by Steel Subcontractor. Additional information on A462</p> <p>73/S405 - Connection and anchorage to slab by CFMF Subcontractor.</p> <p>74/S405 - Connection and anchorage to slab by CFMF Subcontractor.</p> <p>58/S405 - Misc Metal supports for head of curtain wall by Steel Subcontractor.</p> <p>59/S405 - Misc Metal supports for head of curtain wall by Steel Subcontractor.</p>	Released with Add 4

Bid Package 07 - Core and Shell Group 1

Question and Response Log

Responses As Of: 07/1/2024 @ 8:00 AM

#	Date	From	Question	Responder	Response	Release
85			Is Steel Sub responsible for Break-away fire-release connections?	Walsh	No. This connection will be provided by Garage contractors.	Released with Addendum 5
86			Is Steel Sub responsible for pre-manufactured canopies?	Walsh	No. Pre-manufactured canopies will be a separate Trade Category bid with pending Group 2.	Released with Addendum 5
87			Will Steel Subcontractor need to provide the backer plate for the through bolts at the premanufactured canopy cantilevered tube connector? (5/A022)	Walsh	No. This will be by the pre-manufactured canopy subcontractor.	Released with Addendum 5
88			Will Steel Subcontractor need to provide the galvanized plate at the loading dock door jambs and heads 3/A022 & 5/A022?	Walsh	Yes. this will be provided by the steel subcontractor.	Released with Addendum 5
89			On sheet S201A Note 1 at the mechanical shaft openings. It refers to embed requirements at perimeter of openings. How can steel subcontractor bid these without a quantity or coordination with mechanical subs.	Walsh	MEPFP subcontractors are to furnish and install their own embeds as required for their systems' connections in shafts in accordance with S103. Steel subcontractor is not to provide these. Steel subcontractor to provide all bent plate at shaft openings in the steel structural areas.	Released with Addendum 5
90			A462 does not provide the size for the brick ledge angles. The information above the details are for lintels, not necessarily the brick ledge angles. These can be as big as L8x8x1/2.	Walsh	This response supersedes prior RFI response on this subject. Brick ledge angles integrated into the FBRA-3 Adjustable Offset Shelf angle support system, as shown typically on 10/A462, will NOT be provided by the Steel Subcontractor.	Released with Addendum 5
91			A temp break area and work is including in the scopes of work. can a sketch be provided?	Walsh	See sketch with Add 5 release.	Released with Addendum 5
92			Temporary power requirements for Trade Category 26A.7, one of the bullets requires us to provide temporary power to the AHU's in the basement and penthouse. Can you identify the exact units that will need temporary power, in reviewing the mechanical schedules and the construction schedule I could not locate exactly when the power would need to be ready and for which units? The overall temporary service requirement would need to be increased if the plan is to temporary all the AHU units.	Walsh	Plan on all units being activated for temp use, but supply fans only will be run. All basement units and the north half of the penthouse units will be run from 7/1/26. The south half of the penthouse will be run from 10/1/26. Maintain the temp service requirement as stated in the documents.	Released with Addendum 5

PROJECT INFORMATION

AHJ: STATE OF KENTUCKY, CABINET OF HEALTH, CITY OF LEXINGTON
PROJECT NAME: UK HEALTH CARE CANCER TREATMENT CENTER / ADVANCED AMBULATORY CENTER
PROJECT ADDRESS: 1220 ELIZABETH ST. LEXINGTON, KY 40536
PROJECT DESCRIPTION: CANCER TREATMENT CENTER / ADVANCED AMBULATORY CENTER...

APPLICABLE CODES

Table with columns: CODE TYPE, APPLICABLE CODE. Rows include BUILDING, HEALTHCARE, FIRE PREVENTION, ELECTRICAL, MECHANICAL, PLUMBING, ENERGY, ELEVATOR, GREEN BUILDING, FOOD SERVICE, ACCESSIBILITY.

USE AND OCCUPANCY

Table with columns: KBC, NFPA 101, CODE SECTION, OCCUPANCY GROUP, DESCRIPTION. Rows include 303.3, 303.4, 308.4.1.2, 304.1, 311.2.

SPECIAL REQUIREMENTS

2018 KENTUCKY BUILDING CODE
403 HIGH RISE BUILDINGS
403.2.1 SPRINKLER CONTROL VALVES EQUIPPED WITH SUPERVISORY INITIATING DEVICES AND WATER-FLOW INITIATING DEVICES SHALL BE PROVIDED ON EACH FLOOR
403.2.1.1 BUILDING HEIGHT ALLOWS FOR REDUCTION OF CONSTRUCTION TYPE 1A FIRE RESISTANCE RATING, SEE TYPES OF CONSTRUCTION TABLE
403.4.4 AN EMERGENCY VOICED/ALARM COMMUNICATION SYSTEM SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 907.5.2.2
403.4.5 EMERGENCY RESPONDER RADIO COVERAGE SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 510 OF THE INTERNATIONAL FIRE CODE
403.4.6 SEE LOWER LEVEL PLAN FOR FIRE COMMAND CENTER
403.5.5 LUMINOUS EGRESS PATH MARKINGS TO BE PROVIDED AT INTERIOR EXIT STAIRS AND EXIT PASSAGEWAYS.
403.6.1 FIRE SERVICE ELEVATORS PROVIDED, SEE PLANS FOR LOCATIONS.
407.1 GROUP I-2 OCCUPANCY
ALL OCCUPANCIES IN GROUP I-2 SHALL COMPLY WITH THE PROVISIONS OF NFPA 101. IN ADDITION, THE FOLLOWING SECTIONS OF THE KBC SHALL APPLY: SECTION 903.1.3 AND TABLE 508.3 (AREA LIMITATIONS ON I-2), SECTIONS 101.4.7, 107.2.2, 410, 412.8, 506, CHAPTER 6, 705, 706, 711, 713.11, 713.12, 714, 715, 716, 718, 719, 805, 806, 1011.12, 1020.5, 1027.5, CHAPTER 11, 1209.2, CHAPTER 13, CHAPTER 14, 2406.4 AND CHAPTERS 16 THROUGH 33
SECTIONS 407.2 THROUGH 407.10 OF THE 2018 IBC SHALL BE DELETED IN THEIR ENTIRETY
3 HOUR FIRE RESISTANCE RATED FIRE WALL SHALL SEPARATE THIS BUILDING FROM THE ADJACENT / ATTACHED PARKING GARAGE STRUCTURE TO THE NORTHWEST
SEE PLANS, DEPENDING ON LOCATION ELEVATOR LOBBIES (AT OTHER THAN LEVEL OF EXIT DISCHARGE) ARE EITHER ENCLOSED WITH SMOKE PARTITIONS WITH SMOKE CURTAINS AS OPENING PROTECTIVES, OR HOISTWAYS ARE DIRECTLY PROTECTED WITH SMOKE CURTAINS
ELEVATED PEDESTRIAN WALKWAY TO BE OF NON-COMBUSTIBLE CONSTRUCTION.
SMOKE BARRIERS USED AS ALTERNATIVE SEPARATION AT EACH END OF PEDESTRIAN WALKWAY TO SATISFY 3104.5.2.1 AND THE REQUIRED CONTINUITY OF SMOKE COMPARTMENT BOUNDARIES.
2012 NFPA 101
NFPA 220 STANDARD ON TYPES OF BUILDING CONSTRUCTION SHALL BE USED TO DETERMINE THE REQUIREMENTS FOR THE CONSTRUCTION CLASSIFICATION.
8.6.5 1 HOUR FIRE BARRIER MINIMUM REQUIRED AT ENCLOSURE OF FLOOR OPENINGS IN NEW CONSTRUCTION, OTHER THAN THOSE CONNECTING 4 OR MORE STORES
8.6.8 TWO STORY OPENING WITH PARTIAL ENCLOSURE, A VERTICAL OPENING SERVING AS OTHER THAN AN EXIT ENCLOSURE, CONNECTING ONLY TWO ADJACENT STORES AND PIERCING ONLY ONE FLOOR, SHALL BE PERMITTED TO BE OPEN TO ONE OF THE TWO STORES
SEE LOWER LEVEL PLAN FOR EMERGENCY COMMAND CENTER.
18.1.1.3.1 FACILITY ADOPTS A SHELTER-IN-PLACE FIRE EMERGENCY STRATEGY.
18.1.3.3 SECTIONS OF HEALTH CARE FACILITIES ARE PERMITTED TO BE CLASSIFIED AS OTHER OCCUPANCIES BUILDING DESIGN UTILITIES MIXED OCCUPANCY OTHER AREAS ARE NOT INTENDED TO PROVIDE SERVICES SIMULTANEOUSLY FOR FOUR OR MORE INPATIENTS FOR PURPOSES OF HOUSING, TREATMENT, OR CUSTOMARY ACCESS BY INPATIENTS INCAPABLE OF SELF-PRESERVATION. THESE AREAS ARE SEPARATED FROM AREAS OF HEALTH CARE OCCUPANCIES BY CONSTRUCTION HAVING A MINIMUM 2-HOUR FIRE RESISTANCE RATING PER CHAPTER 8.
18.2.5.2 DEAD END CORRIDORS SHALL NOT EXCEED 30 FT (APPLIES TO LEVELS 0, 1, & 2)
18.3.1 ANY VERTICAL OPENING SHALL BE ENCLOSED OR PROTECTED IN ACCORDANCE WITH SECTION 8.6 UNLESS OTHERWISE MODIFIED BY 18.3.1.1 THROUGH 18.3.1.8
18.3.1.2 UNPROTECTED VERTICAL OPENINGS IN ACCORDANCE WITH 8.6.9.1 SHALL BE PERMITTED.
18.3.1.1 SUBVERTIC STAIRWAYS FOR SLEEPING OR TREATMENT INTO NOT LESS THAN TWO SMOKE COMPARTMENTS, EACH COMPARTMENT NOT TO EXCEED 22,500 SQ FT, LIMIT TRAVEL DISTANCE FROM ANY POINT TO REACH A DOOR IN THE REQUIRED SMOKE BARRIER TO A DISTANCE NOT EXCEEDING 200 FT.
2012 NFPA 220
2.4 REFERENCES FOR EXTRACTS IN MANDATORY SECTIONS. NFPA 5000 BUILDING CONSTRUCTION AND SAFETY CODE 2012 EDITION.
4.3.2.8 ROOFS 20 FT OR MORE ABOVE ANY FLOOR, IN OCCUPANCIES OTHER THAN MERCANTILE, INDUSTRIAL, OR STORAGE OCCUPANCIES WITH ORDINARY OR HIGH HAZARD CONTENTS, THE FIRE-RESISTIVE PROTECTION OF THE ROOF-CEILING ASSEMBLY REQUIRED BY TABLE 4.1.1 SHALL NOT BE REQUIRED WHERE EVERY PART OF THE ROOF-CEILING ASSEMBLY IS 20 FT OR MORE ABOVE ANY FLOOR IMMEDIATELY BELOW

BUILDING HEIGHT & AREA

Table with columns: KBC, NFPA 5000, OCCUPANCY GROUP, ALLOWABLE TOTAL AREA, OCCUPANCY, ALLOWABLE AREA PER STORY, ACTUAL TOTAL AREA (ACTUAL AREA OF LARGEST STORY). Rows include A, B, I-2, S-1.

Table with columns: KBC, NFPA 5000, OCCUPANCY GROUP, ALLOWABLE HEIGHT, OCCUPANCY, ALLOWABLE HEIGHT, ACTUAL HEIGHT. Rows include A, B, I-2, S-1.

Table with columns: KBC, NFPA 5000, OCCUPANCY GROUP, ALLOWABLE, OCCUPANCY, ALLOWABLE, ACTUAL STORIES. Rows include A, B, I-2, S-1.

* INDICATES MOST RESTRICTIVE REQUIREMENTS
** INCLUDES AUTOMATIC SPRINKLER SYSTEM INCREASE UNDER NFPA 5000 7.6.2.2

TYPES OF CONSTRUCTION

Table with columns: BUILDING ELEMENT, REQUIRED RATING (KBC), REQUIRED RATING (NFPA 220), PROVIDED RATING, TESTED ASSEMBLY DESIGN. Rows include PRIMARY STRUCTURAL FRAME, COLUMNS, EXTERIOR & INTERIOR BEARING WALLS, INTERIOR NON-BEARING WALLS, FLOOR & SECONDARY MEMBERS, ROOF & SECONDARY MEMBERS.

* INDICATES MOST RESTRICTIVE REQUIREMENTS
* FIRE RESISTANCE RATINGS OF BUILDING ELEMENTS IN TYPE 1A CONSTRUCTION REDUCED TO MINIMUMS REQUIRED OF TYPE 1B PER KBC 403.2.1.1. HOWEVER THE FIRE RESISTANCE RATINGS OF COLUMNS SUPPORTING FLOORS SHALL NOT BE REDUCED.
* FIRE RESISTANCE RATINGS OF PRIMARY STRUCTURAL FRAME AND BEARING WALLS REDUCED BY 1 HR WHERE SUPPORTING A ROOF ONLY IN ACCORDANCE WITH KBC TABLE 601 FOOTNOTE A.
* ROOF CONSTRUCTION AND ASSOCIATED MEMBERS NOT REQUIRED TO BE FIRE RESISTANCE RATED/PROTECTED WHERE EVERY PART OF ROOF IS 20 FT OR MORE ABOVE ANY FLOOR IMMEDIATELY BELOW IN ACCORDANCE WITH KBC TABLE 601 FOOTNOTE B.
* ROOF-CEILING ASSEMBLY NOT REQUIRED TO BE FIRE RESISTIVE PROTECTED WHERE EVERY PART OF THE ROOF-CEILING ASSEMBLY IS 20 FT OR MORE ABOVE ANY FLOOR IMMEDIATELY BELOW IN ACCORDANCE WITH NFPA 220 4.3.2.8.
* RATINGS PROVIDED TO MEET CRITERIA OUTLINED BY OTHER PORTIONS OF THE CODE. SEE LIFE SAFETY PLANS AND INTERIOR PARTITION TYPES.

Table with columns: FUNCTION OF SPACE, OCCUPANCY GROUP, PRIMARY USE, OCCUPANT LOAD FACTOR (PER SF), AREA (SF), OCCUPANT LOAD. Rows include LEVEL 00, LEVEL 01, LEVEL 02, LEVEL 03, LEVEL 04, LEVEL 05, LEVEL 06, LEVEL 07, LEVEL 08, GRAND TOTAL.

INTERIOR FINISHES

Table with columns: OCCUPANCY GROUP, EXIT STAIRS & PASSAGEWAYS, CORRIDORS & EXIT ACCESS STAIRS, ROOMS & ENCLOSED SPACES. Rows include A-2, A-3, B, I-2, S.

804.4 INTERIOR FLOOR FINISH REQUIREMENTS
* FLOORING WILL MEET THE FOLLOWING MINIMUM CRITICAL RADIANT FLUX REQUIREMENTS:
CLASS 1 THROUGHOUT INTERIOR EXIT STAIRS AND LOBBIES PART OF EXIT DISCHARGE
CLASS II THROUGHOUT A, B AND I-2 OCCUPANCIES (PER EXCEPTION), CORRIDORS AND SPACES NOT SEPARATED FROM CORRIDORS

Table with columns: OCCUPANCY GROUP, EXITS, EXIT ACCESS CORRIDORS, OTHER SPACES. Rows include BUSINESS AND AMBULATORY HEALTHCARE - NEW, HEALTHCARE - NEW.

1 NFPA 101 18.3.3.2.1 WALLS AND CEILINGS SHALL BE PERMITTED TO HAVE CLASS A OR CLASS B INTERIOR FINISH IN INDIVIDUAL ROOMS HAVING A CAPACITY NOT EXCEEDING FOUR PERSONS
2 NFPA 101 18.3.3.2.2 CORRIDOR WALL FINISH NOT EXCEEDING 48" IN HEIGHT THAT IS RESTRICTED TO THE LOWER HALF OF THE WALL SHALL BE PERMITTED TO BE CLASS A OR CLASS B
3 NFPA 101 18.3.3.3.1 INTERIOR FLOOR FINISH SHALL COMPLY WITH SECTION 10.2
4 NFPA 101 18.3.3.3.2 INTERIOR FLOOR FINISH IN EXIT ENCLOSURES AND EXIT ACCESS CORRIDORS AND SPACES NOT SEPARATED FROM THEM BY WALLS COMPLYING WITH 18.3.6 SHALL BE CLASS I OR CLASS II
5 NFPA 101 18.3.3.3.3 INTERIOR FLOOR FINISH SHALL COMPLY WITH 10.2.7.1 OR 10.2.7.2 AS APPLICABLE.

MEANS OF EGRESS

1005 MEANS OF EGRESS SIZING
* MINIMUM STAIR WIDTH CALCULATED AT 0.2" PER OCCUPANT IN SPRINKLERED OCCUPANCIES OTHER THAN GROUP H AND I-2, BUT NOT NOT LESS THAN 44" PER KBC 1011.2
* MINIMUM WIDTH OF OTHER ELEMENTS CALCULATED AT 0.15" PER OCCUPANT IN SPRINKLERED OCCUPANCIES OTHER THAN GROUP H AND I-2.

Table with columns: OCCUPANCY GROUP, MAX OCCUPANT LOAD, MAX COMMON PATH OF EGRESS TRAVEL DISTANCE. Rows include A, B, S-1.

1009 ACCESSIBLE MEANS OF EGRESS
* 1009.2.1: ELEVATOR IS NOT REQUIRED TO BE CONSIDERED PART OF THE ACCESSIBLE MEANS OF EGRESS
* 1009.3: STAIRWAYS - EXCEPTION 2: AREA OF REFUGE NOT REQUIRED

Table with columns: OCCUPANCY GROUP, MAX DISTANCE. Rows include A, S-1, B, S-1.

1011.12 STAIRWAY TO ROOF
* IN BUILDINGS FOUR OR MORE STORES ABOVE GRADE PLANE, ONE STAIRWAY SHALL EXTEND TO THE ROOF SURFACE UNLESS THE ROOF HAS A SLOPE STEEPER THAN FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (33 PERCENT SLOPE).

1019 EXIT ACCESS STAIRWAYS
* EXIT ACCESS STAIRWAYS WILL BE ENCLOSED WITH 2 HOUR FIRE BARRIERS

1020 CORRIDORS
* DEAD END CORRIDORS WILL NOT EXCEED THE FOLLOWING:
* GROUP A OCCUPANCY: 20'
* GROUP B, S-1 OCCUPANCY: 50'

1020.5 AIR MOVEMENT IN CORRIDORS
* CORRIDORS SHALL NOT SERVE AS SUPPLY, RETURN, EXHAUST, RELIEF OR VENTILATION AIR CURTAINS.

1023 INTERIOR EXIT STAIRWAYS
* INTERIOR EXIT STAIRWAYS WILL BE ENCLOSED WITH 2 HOUR FIRE BARRIERS

1027.5 LOCATION
* EXTERIOR EXIT STAIRWAYS AND RAMPS SHALL HAVE A MINIMUM FIRE SEPARATION DISTANCE OF 10 FEET MEASURED AT RIGHT ANGLES FROM THE EXTERIOR EDGE OF THE STAIRWAY OR RAMPS, INCLUDING LANDINGS, TO:
1. ADJACENT LOT LINES.
2. OTHER PORTIONS OF THE BUILDING.
3. OTHER BUILDINGS ON THE SAME LOT UNLESS THE ADJACENT BUILDING EXTERIOR WALLS AND OPENINGS ARE PROTECTED IN ACCORDANCE WITH SECTION 7105 BASED ON FIRE SEPARATION DISTANCE.
FOR THE PURPOSES OF THIS SECTION, OTHER PORTIONS OF THE BUILDING SHALL BE TREATED AS SEPARATE BUILDINGS.

Table with columns: OCCUPANCY GROUP, COMMON PATH LIMIT, DEAD-END LIMIT, TRAVEL DISTANCE LIMIT. Rows include BUSINESS - NEW, AMBULATORY HEALTHCARE - NEW, HEALTHCARE - NEW.

NFPA 101 2012
7.2.2.1.2 MINIMUM NEW STAIR WIDTH
* 44" MINIMUM STAIR WIDTH SHALL BE PROVIDED WHERE THE STAIR SERVES A TOTAL CUMULATIVE OCCUPANT LOAD GREATER THAN OR EQUAL TO 50 BUT LESS THAN 2,000 PERSONS.

7.3.1.1.1 SUFFICIENT CAPACITY
THE TOTAL CAPACITY OF THE MEANS OF EGRESS FOR ANY STORY, BALCONY, TIER, OR OTHER OCCUPIED SPACE SHALL BE SUFFICIENT FOR THE OCCUPANT LOAD THEREOF.

7.3.3.1 MEANS OF EGRESS SIZING
* EGRESS CAPACITY FACTOR OF 0.3" PER PERSON TO BE USED AT STAIRS IN SPRINKLERED OCCUPANCIES OF ALL TYPES PERTINENT TO THIS PROJECT.
* EGRESS CAPACITY FACTOR OF 0.2" PER PERSON TO BE USED AT OTHER EGRESS COMPONENTS IN SPRINKLERED OCCUPANCIES OF ALL TYPES PERTINENT TO THIS PROJECT.

7.3.3.2 0.3" PER PERSON SIZING EQUATION
* FOR STAIRWAYS WIDER THAN 44" AND SUBJECT TO THE 0.3" PER PERSON CAPACITY FACTOR, THE CAPACITY SHALL BE PERMITTED TO BE INCREASED USING THE FOLLOWING EQUATION, WHERE Wn IS THE NOMINAL WIDTH OF THE STAIR AND C IS THE CAPACITY IN PERSONS ROUNDED TO THE NEAREST INTEGER: C = 146.7 * (Wn - 44) / 0.218

LEVEL 2, STAIR B EXAMPLE
145 CAPACITY = 146.7 * ((43.63' - 44) / 0.218) = 43.63' < 44" MINIMUM PER 7.2.2.1.2

ENERGY CODE

Table with columns: ROOF, WALLS, SLAB ON GRADE FLOORS, OPAQUE DOORS. Rows include INSULATION ENTIRELY ABOVE DECK, R-250, U=0.039.

Table with columns: VERTICAL FENESTRATION, SKYLIGHTS. Rows include U-FACTOR, SOLAR HEAT GAIN COEFFICIENT, FIXED, OPERABLE, ENTRANCE DOORS.

C402.2.8 INSULATION OF RADIANT HEATING SYSTEMS
* RADIANT PANELS, AND ASSOCIATED U-BENDS AND HEADERS, DESIGNED FOR SENSIBLE HEATING OF AN INDOOR SPACE THROUGH HEAT TRANSFER FROM THE THERMALLY EFFECTIVE PANEL SURFACES TO THE OCCUPANTS OR INDOOR SPACE BY THERMAL RADIATION AND NATURAL CONVECTION AND THE BOTTOM SURFACES OF FLOOR STRUCTURES INCORPORATING RADIANT HEATING SHALL BE INSULATED WITH A MINIMUM OF R-15.

C402.3.1 FENESTRATION MAXIMUM AREA
* THE VERTICAL FENESTRATION AREA (NOT INCLUDING OPAQUE DOORS AND OPAQUE SPANDREL PANELS) SHALL NOT EXCEED 30% OF THE GROSS ABOVE-GRADE WALL AREA.
* ESTIMATED PLANNED FENESTRATION AREA/TOTAL BUILDING AREA: 50,600 SQ FT / 178,000 SQ FT 29% ± 1%

C402.3.1 INCREASED VERTICAL FENESTRATION AREA WITH DAYLIGHTING CONTROLS
* A MAXIMUM OF 40% OF THE GROSS ABOVE-GRADE WALL AREA SHALL BE PERMITTED TO BE VERTICAL FENESTRATION, PROVIDED:
* NO LESS THAN 50% OF THE CONDITIONED FLOOR AREA IS WITHIN A DAYLIGHT ZONE.
* AUTOMATIC DAYLIGHTING CONTROLS ARE INSTALLED IN DAYLIGHT ZONES, AND
* VISIBLE TRANSMITTANCE OF THE VERTICAL FENESTRATION IS GREATER THAN OR EQUAL TO 1.1 x SHGC.

C402.4.7 VESTIBULES
* ALL BUILDING ENTRANCES SHALL BE PROTECTED WITH AN ENCLOSED VESTIBULE, WITH ALL DOORS OPENING INTO AND OUT OF THE VESTIBULE EQUIPPED WITH SELF-CLOSING DEVICES. VESTIBULES SHALL BE DESIGNED SO THAT IN PASSING THROUGH THE VESTIBULE IT IS NOT NECESSARY FOR THE INTERIOR AND EXTERIOR DOORS TO OPEN AT THE SAME TIME.
EXCEPTIONS:
2. DOORS NOT INTENDED TO BE USED BY THE PUBLIC, SUCH AS DOORS TO MECHANICAL OR ELECTRICAL EQUIPMENT ROOMS, OR INTENDED SOLELY FOR EMPLOYEE USE.
4. DOORS THAT OPEN DIRECTLY FROM A SPACE LESS THAN 3,000 SQ FT IN AREA.
6. DOORS USED PRIMARILY TO FACILITATE VEHICULAR MOVEMENT OR MATERIAL HANDLING AND ADJACENT PERSONNEL DOORS.

UL DESIGN ASSEMBLIES

Table with columns: FLOOR / ROOF / COLUMN ASSEMBLIES, UL DESIGN, THICKNESS, DESCRIPTION. Rows include F1, F2, R1, C1, C2, C3, C4.

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bell engineering

CDM Smith

PIVOTAL lighting design

UK HEALTHCARE

Cancer Treatment Center + Advanced Ambulatory Center
1220 Elizabeth St.
Lexington, KY 40536
UK Project Number 2563.0

Table with columns: No., Description, Date. Rows include 1. C&S 100% CD REVIEW, 2. BP-07 BID & PERMIT, 3. FO 100% DD REVIEW, 4. BP-07 ADDENDUM #5.

Drawn By: Author
Checked By: Checker
Client Number: 514
Project Number: 6926

DRAWING TITLE
LIFE SAFETY - CODE SUMMARY

SHEET NO.
G020