

<p style="text-align: center;">ADDENDUM # 9 FOR RFP 2425-296</p> <p style="text-align: center;">GC Services for Seniors Emergency Medicine Centre (SEM)</p> <p style="text-align: center;">Project at TWH</p>
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Date: November 19, 2024

Number of pages including cover page: 32

Following information is published in reference to the above procurement opportunity dated October 15, 2024.

A. REVISED PRICE EXHIBIT

The Addendum includes a revised Price Exhibit which replaces the previous version. Proponents must use the following revised Price Exhibit for submission.

Appendix B - Price Exhibit for TWH SEM Centre REV.01 11-19-2024.docx

Proponents are required to submit specified itemized pricing using the following submission form via email to the RFP Administrator within 48 Hours after the Closing Time of the RFP. The itemized pricing should reach the RFP Administrator no later than **2:00pm EST on 28th of November, 2024.**

Exhibit 1 - Itemized Prices.docx

B. SPRINKLER DRAWINGS AND ROOFING REPORT

Please refer to the following file:

Sprinkler Drawing and Roofing Report.zip

C. RFI RESPONSE ON CCDC-2 SUPPLEMENTARY GENERAL CONDITIONS

Please refer to the following file:

Addendum for CCDC-2 Supplementary Gen Conditions RFI.pdf

D. CONSULTANT'S ADDENDA

Following Addenda documents have been issued by the consultants.

SEM Addendum 19-NOV-2024 PART-1 (Mechanical).zip

SEM Addendum 19-NOV-2024 PART-2 (Electrical)

SEM Addendum 19-NOV-2024 PART-3 (Architectural).zip

SEM Addendum 19-NOV-2024 PART-4 (Landscape, Building Envelope, Dorr Hardware).zip

E. EXISTING DRAWINGS

Following files are available for additional information and details.

Existing Drawings for SEM RFP.pdf

E. RESPONSE TO PROPONENT QUESTIONS

1. Masonry Restoration Work - Please provide proper masonry restoration drawing and restoration specification including detail plans, elevations and details. The current EXP's TWH FP Building Envelope Assessment Report did not provide enough information for accurate pricing purpose.

Full scope of Fell Wall Masonry Repair work has been issued by recent addendum. Addendum also includes additional curtain wall envelop scope for East Wing.

2. Section 096517 Vinyl sheet flooring 1.8 warranty workmanship 10 years and 15 years flooring and seams. This is really not achievable as the seams will wear out before that. Is this something that you can revised?

Polyflor guarantees that the product will be free from any manufacturing defects and that it will provide a minimum of 15 years serviceable life on Palettone PUR and 10 years on Expona Flow PUR and Forest fx PUR in normal wear and tear circumstances.

As for the labour warranty, this is offered by the flooring sub-trade. Each company has their own set of standards and offerings (unrelated to the manufacturer-Polyflor).

Specification will be revised to clarify the differences in expectation of the manufacturers v installers workmanship warranty.

3. Can you please confirm the warranty requirements for the Vinyl Sheet Flooring, it is asking for 10 & 15 years for Labour, material & workmanship. Most flooring trades will give maximum of 2-year warranty on workmanship.

See the question above.

4. Are there any As-Built/existing drawings of site services around the buildings, especially the services going through the areas where new corridor & tunnel are coming.

No further drawings available, locates provided.

5. Please confirm the thickness and areas of cementitious underlayment required.

Intent of inclusion of cementitious underlayment is to locally level any existing minor floor irregularities in order to provide suitable surface for new flooring installation. This is limited to existing ground floor areas in the new SEM Centre and tie-ins to existing flooring within the Fell Pavilion.

6. If any levelling or major floor prep is required, please advise on thickness.

Refer to question above for floor levelling scope

7. Please confirm if 1.4.3.1 of section (06-40-00 woodwork) is applicable to this project. It is asking not less than 2 sets of extra hardware items.

Confirmed

8. Please provide the assembly details of the existing roofing system.

Refer to the current Addendum documents.

9. Please clarify the extent of Sprayed Fire Proofing work needed for this project

Scope for SFRM is limited to Level 8 repair or replacement of existing fireproofing on steel structure effected by new chiller tie-in supports on rooftop above.

10. We only receive trade prices at the very last minutes of the tender closing, it is very difficult to provide the breakout price at the same time as the base bid. We sincerely request to give us some additional hours to submit the itemized pricing.

Refer to the details provided in the current Addendum.

11. Please confirm the support detail for the new glycol piping to roof. Is the façade panel structurally sound enough to anchor the new glycol piping to the roof.

Addressed in Addendum 5.

12. Please clarify location and provide details for: i. Ladders mentioned in the section 05 50 00 under note 3.2.9 and 3.2.10 ii. Aluminum part of work mentioned in section 05 50 00 under note 2.2.3

i. Ladder located within exterior areaway to crawl space refer to sheet 5/A650

ii. Not applicable

13. Please confirm the wall base type and height for this project. The project specification indicates that it's Site fabricated but also asks for aluminum; please note aluminum backer only comes for the Prefabricated Flash cove base option. Site fabricated wall base doesn't include aluminum.

Details and specification have been amended from aluminum to be PVC.

Visible bases are to be 230mm/9".

Please refer to

2.1/A600 Detail - Wall Base Vinyl Sheet Flooring Type.

5/ A600 - Detail - Typical Wall Base

6/A600 Detail - Corner Condition at Wall Protection of Different Heights

14. Please clarify regarding the scope of work for Nurse call system, PA system, Comm and security system.

Provide new independent nurse call, PA system. Provide cabling, data drops, patch panel, IT racks as shown on drawings. Provide new security devices and connect back to existing security system.

15. On drawing E-204, is the cable tray for the fiber existing?

No, please provide new cable tray.

16. On drawing E-001 & E-501, who is the contact for the base building P.A, System contractor, & is there a spec?

Please provide a new independent P.A system and no tie-in to existing system to be required.

17. On drawing E-401 detail & 1, who supplies & installs the headwall (headboard) units?

The Medical Service Units are part of the scope of the project, and are the responsibility of the GC to coordinate, supply and install.

18. On drawing E-101 note #11 is missing, what kind & amount of lighting & devices are we to remove? Light fixtures, electrical devices, system devices and fire alarm devices within scope area need to be removed as shown.

19. On the same drawing note #4, & #5 can we get a spec for the new cable bus.

3X(3 1C 373 DLO) + 250G Cablebus to match existing.

20. On the same drawing note #6, can we get a spec for the trench & cover.

Provide new cablebus to load bank in pre-fabricated concrete trench and ventilated cover to match existing.

21. On the same drawing note #10, can we get a spec for the transformer vault. On the same drawing can we get a spec for the pull box on the external wall.

Refer to detail 2 on the same drawing.

22. On drawing E-401 detail #1 are we to run the DLO cables from point to point through the bus way & prefabricated concrete trench?

Correct.

23. On drawing E-201 I can't find the details for the electrical & mechanical room as indicated?

Please refer to latest addendum for the updated information.

24. On drawing E-202 site photo #2, what is an acceptable way of supporting the cables from the 8th to 3rd floors?

Final support to be confirmed with cable and cablebus manufacturer.

25. On drawing E-205, I can't find note #6 & can we get more info for note #7, size of transformer & where is Panel-DPC-1?

Please refer to latest addendum for the updated information.

26. What is existing PA system manufacturer? And provide PA system specification for pricing.

Please provide a new independent P.A system and no tie-in to existing system to be required.

27. Lighting fixtures A3, F2, W2, is not present in the layout, whereas lighting E3, F1 is in the layout but not in the luminaire schedule.

Lighting schedule and layout to be updated.

29. Please provide existing information for "SP-B-1EAAA", "PP-EAAA", PP-1-1AA "EXP_E: SP-B-1EAAA is splitter.

Manufacturer of panel "PP-EAAA" is POW-R-LINE, PL-4.

Manufacturer of panel "PP-B-1AA" is POW-R-LINE, PL1A.

30. Please clarify who supply & install headboard? Electrical contractor supply, install and final connection to headboard, is this correct?

The Medical Service Units are part of the scope of the project, and are the responsibility of the GC to coordinate, supply and install.

31. Provide fixture type "E3" specs.

Same fixture as E1.

32. Provide panel RP-1-1C schedule.

No more RP-1-1C panel to be required. Please refer to latest tender addendum drawings.

33.Ref. to drawings E-501, details_1, Specify on the Single line diagram the fire rated cable.
Please refer to spec Section 26 05 19 clause 3.4.

34.Ref. to drawings E-501, details_1, LP-1-1EA is shown as a new panel, while is shown as existing panel, see drawings E-401.
Please provide new panel for LP-1-1EA.

35.Ref. to drawings no. E-205, provide the panel DPC-1 schedule.
The panel was renamed and please refer to the latest addendum set for schedule.

36.Ref. to drawings no. E-205, provide the manufacturer of the existing panel RP-10-1A.
Manufacturer of panel is POW-R-LINE, PL1 A.

37.Ref. to drawings no. E-205, provide the size, location, and specs of the transformer required as per key notes no. 7.
Please refer to latest tender addendum drawings.

38.Ref. To drawings no. E-401, details_1, Headboard details, provide the location of the Headboard, how many of them.
Please refer to architectural drawings. The Medical Service Units are part of the scope of the project, and are the responsibility of the GC to coordinate, supply and install.

39.Provide "SWBD-NEA" located on the basement main electrical room, manufacturer name and model.
Eaton, PRL3000

40.Provide the existing system manufacturer for PA.
Please provide a new independant P.A system and no tie-in to existing system to be required.

41.Provide PA system specs.
To be provided in coming addendum.

42.Provide existing security integrator and existing head end manufacturer.
Manufacturer is Johnson Control, Securitas Technology.

43.Provide "SWBD-PP-EAAA" located on the basement main electrical room, manufacturer name and model.
Manufactuer of panel "PP-EAAA" is POW-R-LINE, PL-4.

44.Ref. To Addendum #4, Electrical drawings no. E-205, Confirm the fed panel is correct ?
Please refer to latest tender addendum drawings.

45.Please confirm timing completion of Noventa project at East Wing roof to provide access for AHU work through piping on roof.
Project will be completed January 2025 with bridge install.

46. 1. Existing Modular Chiller:

- 1.1 Confirm validity of existing modular chillers are open to successful bidder without compromising warranty to previous supplier & installing contractor.
- 1.2 Confirm if modular chiller's certification is required before and after relocation.
- 1.3 Confirm if temporary cooling to MRI is required during chiller's relocation process.
- 1.4 Piping riser's installation details to and from the building envelope & to 8th floor corridor roof including insulation requirements.
- 1.5 Confirm electric tracing is not required to new chilled glycol water piping.
- 1.6 Confirm designated spot for craning/hoisting modular chillers.
- 1.7 Confirm allowable shutdown period of MRI in relation to chiller relocation.

1.1 Yes, no warranty. 1.2 Yes. 1.3 No, with the assumption the relocation is upon completion of all infrastructure work, maximum downtime of 7 days and phased to be completed during the months of March-April 2025. 1.4: Additional details showing securement of new chiller piping through existing metal panels provided in addendum Nov19th. 1.6 GC is responsible for crane placements, sizing, permits, road closures, pedestrian safety, etc.. 1.7 Seven to ten (7-10) days acceptable during colder months of March - April 2025.

47. Separate Pricing: Confirm extent of separate prices as shown in Dwg M-003. More details need to be established to generate firm pricing.

Refer to Addendum 6

48. Please provide spec for non-plumbed bathtub BT-1 in case it's supposed to be supplied by Mechanical contractor.

Please refer to 22 40 00 PLUMBING FIXTURES AND FITTINGS.

2.2.1.11 Bathtub – (BT-1) Non-Plumbed is specified, to be supplied by mechanical contractor.

49. Confirm if additional control panels will be required for new equipment. If so, provide data provisions in Electrical package.

Please clarify the purpose of control panels and for what equipment.

50. Confirm if UHN will be integrating the Intercom system to UHN Network / existing system.

The intercom will be standalone system but need to integrate with UHN's security system for panic alarm signal.

51. Confirm if access control is required on the roof level door.

No access control devices required on this door. There is a lockset.

52. Confirm when SWBD- MRI Can be shutdown to install new Chiller feeders.

Addressed in previous Addendum.

53. AHU scope of work – Please confirm access on roof. Glycol lines are currently impeding access from the roof access hatch (unable to carry material across). Please confirm if the access bridge will be ready prior to this scope commencing.

Project will be completed January 2025 with bridge install.

54. M-100A note 13 at grid EB-EC/E1-E3 – existing chilled water pipes to be installed down to MRI. What floor level is the MRI?. Are we going to connect the new pipe just outside of the building? Please clarify.

MRI is 3rd floor. The piping to be connected outside the building to match existing. Contractor to indicate if there is any.

55. Please confirm heights of P1 HSS column as per detail section 3 in S114
Refer to Chiller Framing Plan Note 3.

56. Please provide detail of piping connection to radiant panels.
Refer to typical details

57. Please provide detail glycol piping connections to ceiling Mounted Ventilation Units.
Refer to coil connection detail.

58. Please clarify who going to supply/install sump pits covers.
By Mechanical as per the drawing notes, details and specification.

59. Please clarify the model numbers or brand for the QR code readers as Axis or QSCAN.
Also, do these doors need to be connected to the UHN security access control system (CCURE)?
QR Code Brand is Axis. Yes doors need to be connected to UHN Security CCURE.
Securitas to provide QR readers model AXIS A8207-VE Mk II and required software.
Data drop for AXIS QR reader by communications contractor
Printer for QR codes to be provided by UHN

60. Please confirm if innerduct is required for fiber cable as fiber cable is armoured? As per specification section 27 10 00 sub section 3.2.1.
Confirmed.

61. What is existing PA system manufacturer? And provide PA system specification for pricing.
Please provide a new independent P.A system and no tie-in to existing system to be required.

62. Lighting fixtures A3, F2, W2, is not present in the layout, whereas lighting E3, F1 is in the layout but not in the luminaire schedule.
Lighting schedule and layout to be updated.

63. Please provide existing information for "SP-B-1EAAA", "PP-EAAA", PP-1-1AA"
SP-B-1EAAA is splitter.
Manufacturer of panel "PP-EAAA" is POW-R-LINE, PL-4.
Manufacturer of panel "PP-B-1AA" is POW-R-LINE, PL1A."

64. Please clarify who supply & install headboard? Electrical contractor supply, install and final connection to headboard, is this correct?
The Medical Service Units are part of the scope of the project, and are the responsibility of the GC to coordinate, supply and install.

65. The size of all altro wall protection "WP" is taken as 4'X9'10". Please check.
Altro supplies two sizes of panel
8' panel - 4' x 8' 2" | 1.22m x 2.5m
10' panel - 4' x 9' 10" | 1.22m x 3.0m "

66.MANY ROOMS INCLUDING OFFICES, CORRIDORS, AND CONSULT ROOMS, SHOW DIFFERENT SHEET ON FLOOR AND DIFFERENT SHEET ON WALL BASE. PLEASE SPECIFY IF WE NEED TO EXTEND THE WALL BASE SHEET ON FLOOR BY REFERRING DETAIL 7/A621 OR NOT?? THE DETAIL SHOWS WALL BASE IS EXTENDED UP TP 325MM ON FLOOR.

7/A621 refers only to wall base condition in the corridor at the expansion joint cover, please refer to finishes plan for locations and dimensions of the wider edge band.

Typical base edge band extends only 75mm

Please refer to

2.1/A600 Detail - Wall Base Vinyl Sheet Flooring Typ.

5/ A600 - Detail - Typical Wall Base

6/A600 Detail - Corner Condition at Wall Protection of Different Heights

67.WP1 is broken into two sheets A and B whereas their location is not marked. Now, we have estimated it as 1 sheet WP1 in vertical direction. Please verify.

Reference to WP1A and WP1B removed from A720 as well as reference to boards being orientated vertically in WP1.

68.NO FINISHES MARKED ON BASEMENT EXIT FLOOR AND STAIRS. THEREFORE, THEY ARE EXCLUDED FROM THE ESTIMATION. PLEASE VERIFY

Below grade corridor stair exit to have epoxy floor coating. Added in Nov 19 Addendum.

69.No finishes marked on basement exit floors and stairs. Therefore, they are excluded from the estimation. Please verify.

Already addressed,

70.Please Confirm the likely start date for drilling micro piles.

GC schedule will dictate.

71.Please Confirm the location of the pre-production micro pile for the static load test.

Contractor to propose location.

72.Are there any restrictions on working hours?

Heavy vibration, Shutdowns and extreme noise that interrupts normal Hospital operations must be completed after hours.

73.What is the existing composition of the existing roof of the 8th floor and the mechanical penthouse.

Report provided.

74.Also, for soffit type “EW1” It just shows as suspended, we will need some kind of framing here to attach this system to.

Soffit to be framed, not suspended.

75.Part A.5 of the submission schedules indicated the requirement to submit resumes for “mechanical and electrical resources”. However, as a GC we might decide on the preferred subcontractor on the last hour or less as this is when we normally expect these trades price proposals, therefore incorporating the resumes of the trades just before submission closing is not practical. Please confirm we are only required to submit resumes for the proposed key GC staff.

All requested resumes must be included

76. May we request the overall floor plan per level with grid lines
Floor plans provided in tender sets.

77. Please provide trade trade-specific scope of work (ACM, metal roofing, metal soffit etc)
No ACM or metal soffit scope in project. Metal flashing, metal panels, and metal standing seam roofing scope are shown in the drawings and specifications.

78. We would like to request a one week extension
Previously granted.

79. For the aluminum windows I only see 5 interior windows as per schedule on dwg A050. 1. Does the scope involve both frame and glass for the windows?
2. Two window have film requirements, but listed as GL1, did they mean GF1 instead?
1. Yes scope includes frame and glass.
2. Yes should read GF1 for the film

80. Are the OWA acoustical ceiling products by Spectra-con Group Inc acceptable alternates for Armstrong and SAS?
No substitutions for ceilings products to be considered at this time. UHN has Guidelines.

81. Please provide connection point of glycol piping for snow melt system.
Refer to M-3-11B.

82. What is length of this project? What is completion date?
GC to set schedule.

83. Please let me know who is responsible for extension of enclosure around redirected glycol piping for relocated chiller.
GC

84. Please let me know if GC is going to erect scaffolding on façade in order to install new glycol piping for relocated chiller.
GC to ensure all requirements.

85. Please clarify the extent of TL1 on the External Corridor.
Please refer to Finishes Plan (sheets A711/712) and Interior Elevations (sheet A424)

86. What will be the Floor finish on FP Entrance 1 and FP Entrance 2?
New corridor side of the doors will be the same flooring as the corridor. Existing Fell Pavilion side of the doors, flooring will be vinyl sheet flooring to match existing areas.

87. We are submitting an RFI for M-703 on the UHN Toronto Western Hospital Seniors Emergency Medicine Centre project to request that Armstrong International (Preston Phipps) be listed as an approved equal to Colton Industries for the domestic hot water heaters.
Acceptable as long as it match the spec. to close proximity.

88. (M-602) can you please confirm if HX-1 and P-1 is part of scope? If so, kindly provide additional info.

Refer to drawings and schedules for updated information M-03

89.Can you provide a Room Finish Schedule?

Please refer to Finish Plans and Finishes Schedule.

90.What are finishes (if any on Basement level)?

Refer to previous questions about below grade exit stair corridor. No finishes required for crawl space floor

91.What is the extent of exposed ceilings/mech/elec etc to be painted?

All exposed ceiling limited to service areas, no ceiling painting required

92.Is there anything on the exterior of the building to paint? If so, what is scope?

Question not specific

93.Please provide As Built drawing to cross reference new domestic water piping & new Sanitary piping routing in Dwg M-111. Site pics doesn't reflect continuity of existing piping's congestion and potential interference with new DCW/San piping installation.

UHN to share as-built drawings for EW and FP to all contractors for reference.

94.On drawing E303 there are three Code Blue locations. Only two show a dome light?

Please refer to the latest addendum.

95.Dwg A720 ML1- Anaodized aluminum refer spec. section 08 41 00 - Aluminum Entrances.

Ok. Question not clear

96.For the glazing film, can you confirm if they meant GF1 instead of GL1?

Yes should be GF1

97.Confirm Glass Piping is not a requirement in this project.

No Glass piping is required

98.Please confirm if Amico Patient lift can be added to the specs as an alternate

No alternate

99.Please confirm the usage of swing stage.

GC to confirm methods

100.Is the chiller piping to be run up the face of the building from the 3rd floor to the 8th floor, then run within the 8th floor ceiling space under the stairs and through the ceiling to the 8th floor roof?

Chiller piping is to extend up to 10th level roof, over the roof and down the west side of the corridor structure to back to the level 8 roof.

101.We would like to add the following suppliers to the spec:

Custom AHU: Miller Picking (<https://www.miller-picking.com/>)

Silencers: Commercial Acoustics (<https://commercial-acoustics.com/>) and IAC (<https://www.iacacoustics.com/hvac-silencers>)

We never heard of this equipment. Since this is a very critical fully custom unit, we will not be accepting alternate suppliers for AHU unit.

102. Please provide scope Metrix between electrical contractor & door hardware contractor. DWG & Spec are not cleared.

Doors with Electrified Hardware are identified on sheet A050

103. Is this job all regular working hours? Except noisy work showdown power?

We have called out certain zones that would require coordination with UHN for timing of work.

104. Addendum #5 Q & A #12, we're asking you to identify which cables on E-501 detail #1 are to be MI 2 hour fire rated, everything shown on this drawing is just cables in conduit?

Please refer to spec Section 26 05 19 clause 3.4.

105. Addendum #5 Q & A's #8, #11, #13, & #17 I can't find the updated specs?

Please refer the latest addendum set

106. Do we require 3rd. Party Fire Alarm verification for this job?

Yes. GC to carry this cost, not in cash allowance.

107. Can we get a list of the rooms that are considered patient care that require the receptacles being tested?

All rooms except IT and electrical.

108. On drawing E-501 detail #1, there's a new 100a panel LT-1-1A fed from PP-1-1AA however this panel is not shown on the panel schedules drawing E-401, please advise.

Please refer to the latest addendum.

109. On drawing E-401 there's a 225a panel LP-1-1A fed from PP-1-1AA, however this panel is not shown on single line drawing E-501, please advise.

Please refer to the latest addendum.

110. On single line drawing E-501 there is a new 225a panel RP-1-1C fed from PP-1-1AA, however this panel is not shown on the panel schedules drawing E-401, please advise.

Please refer to the latest addendum.

111. Confirm on drawing E-205 detail #1 that RP-10-1A is existing?

Correct

112. On drawing E-204 is there any chance you can plot the grid lines so we can get a more accurate idea as to where we have to run the various systems into the new construction.

Approximate SEM area above will be shown

113. On drawing E-501 detail #8, where is the new paging system going, I don't see it in IT room 1EW448

New paging system to be provided in IT room. Tender addendum will show the location

114. On drawing E-205 detail #3 key note #7, where is new panel DPC-1 located?
Please refer to the latest addendum, the panel was renamed and indicated on drawings.

115. On drawing E-501 detail #3, new DP-PH-EAAA, I can't find these items on the roof (E-205) that it's feeding, EW-AHU01B, EW-EF-13A, 13B & 14, please advise.
Please refer to the latest addendum

116. On drawing E-401 detail #1, confirm the size of the new DLO cables feeding the existing load bank?
373 DLO cable

117. On drawing E-201 does the Care team station require a light switch for dimming control? Not shown on drawing
Yes, local bypass control needs to be controlled and will indicate on latest addendum.

118. On drawing E-201 does the Sub waiting room require a light switch?
Not necessary

119. On drawing E-201 What rooms are the lighting controls independent from the lighting control panel? For example Housekeeping room 1EW419 Has a Vacancy detector switch. Is this stand alone or connected back to the lighting control panel? Storage B 1EW415 has a ceiling vacancy detector and a normal wall switch, is this Independent of the control system?
For rooms without tunable white control, they can be standalone system and no need to tie-in to control system.

120. Location of paging station not indicated on drawing E-202
New paging system to be provided in IT room. Tender addendum will show the location

121. On drawing E-205 detail #3 key note #7, where is new panel DPC-1 located?
Please refer to the latest addendum, the panel was renamed and indicated on drawings.

122. On drawing E-501 detail #3, new DP-PH-EAAA, I can't find these items on the roof (E-205) that it's feeding, EW-AHU01B, EW-EF-13A, 13B & 14, please advise.
Please refer to the latest addendum

123. On drawing E-401 detail #1, confirm the size of the new DLO cables feeding the existing load bank?
373 DLO cable

124. On drawing E-201 does the Care team station require a light switch for dimming control? Not shown on drawing
Yes, local bypass control needs to be controlled and will indicate on latest addendum.

125. On drawing E-201 does the Sub waiting room require a light switch?
Not necessary

126. On drawing E-201 What rooms are the lighting controls independent from the lighting control panel? For example Housekeeping room 1EW419 Has a Vacancy detector switch. Is this stand alone or connected back to the lighting control panel? Storage B 1EW415 has a ceiling vacancy detector and a normal wall switch, is this Independent of the control system?

For rooms without tunable white control, they can be standalone system and no need to tie-in to control system.

127.Location of paging station not indicated on drawing E-202

New paging system to be provided in IT room. Tender addendum will show the location

128.On drawing E-002 General Note #6, can we get details on what this temporary lighting & power should entail & a schematic diagram.

Refer to note #6 during construction period.

129.On drawing E-101 Keynote #9, can this be run in the new Cable Bus (notes #4 & #5)?

Separated conduits for 120V and control cable.

130.Per specs 08 11 14, RGL 1 is Safti First 'SuperLite II-XL 90' and per arch drawing A040, RGL 1 - Safti First 'SuperLite II-XL 120'. Please advise what product RGL 1 is.

120min rated curtain wall, with a 90min rated door. RG1=120min, RGL2=90min, RGL3=60min. We will update the Specs to match

131.Door 1C04 is 90min fire rated per door schedule (drawing A050), however it is located in 120min curtainwall. Drawing A031 also shows this area to be 2hr fire rated. Similarly, door 1C01 is located in 2hr rated partition, however it is labeled to be 90min FRR in the door schedule. Please clarify.

Correct 120min rated wall is allowed a 90 min door

132.Please clarify how the pricing form is to be delivered.

There is a separate section where the Price Exhibit (Appendix B) should be uploaded. Please refer to the "Submission Instructions" page in RFP Schedules Document.

133.Could you please advise manufacturer of existing aluminum cladding system?

Could not source original manufacturer. Mechanical Contractor had fabricated new cover panels in their own shop to closely match.

134.Layout of soffit shown on A311 indicates plank type of cladding which contradicts with the specifications (07 42 33). Per specifications, soffit to have HPL panel type of cladding. Standard HPL panels are usually wider (e.g. 4x6 or 4x8' and etc.). Please confirm if soffit pattern shown on RCP is correct or will change to suite standard HPL.

Spec lists panel size as indicated in drawings. Finishes Schedule calls out 200mm (typical) with 4mm gap. It is assumed that panels will have to be cut to match drawings

135.Please confirm the note 7.1 on drawing A211: "REPLACE EXISTING INSULATED GLAZED UNITS WITH INSULATED SPANDREL UNITS. MODIFY EXISTING CURTAIN WALL TO RECEIVE NEW SPANDREL UNITS" is correct. And if it is please confirm how many curtain wall units are to be modified. It is understood that External Corridor COR and SEMC Entrance Vestibule COR-V1 are new construction including envelope. Please confirm.

Please refer to Building Elevations for exactly which panels are being effected.

136.Please confirm whether door 1EW436A should be thermally broken with GL-1

Door is required to be thermally broken. Glass should be IGU

137. Confirm the framing type for windows 1EW431A and 1EW431B?

[ML1 \(aluminum\) as noted on window schedule](#)

138. Please provide the specifications for spandrel units GL3B and GL3C?

[No detailed specification available, to match existing.](#)

139. Please show panel schedule for new panel "RP-1-1C" as shown below (dwg E-501)

[Please refer to the latest addendum](#)

140. Please show new location of wall pack (note#7) on dwg E101.

[Location of the wall pack added.](#)

141. South wall of staircase C is shown to be cast in place concrete, however label X1A is block wall. Please confirm if the wall is cast-in-place concrete or masonry.

[Wall is cast-in-place concrete as per Structural. We will update X1A on the Assemblies sheet](#)

142. Referring to drawing M-901, the two-way modulating water coil details specify the use of a Belimo or Delta-P PICV valve in place of a two-way modulating control valve and a flow control valve. Does the BAS need to provide PICV valves for all equipment that consists of valves, or only for specific equipment? Please confirm. Additionally, please approve Honeywell as an approved manufacturer and provide the product specifications for the PICV valves.

[Acceptable PICV by Honeywell](#)

143. Referred to specification, there is no indication of who will provide the motorized/control dampers. Please confirm whether BAS needs to provide the motorized dampers or it will be provided by others. If BAS needs to provide the motorized dampers, then please provide the product specifications for the motorized dampers."

[Refer to M-04](#)

144. Referred to specifications and drawings, there are two mechanical specifications provided for the AHU: Air Handling Unit - Custom Made and Dedicated Outdoor Air System unit for Indoor. Please confirm which mechanical specification is applicable for AHU-01.

[AHU-01 is fully custom unit](#)

145. The referred section states that 'Smoke Detectors: Ionization type duct mounting detectors are supplied as part of the electrical work for mounting as part of the control system work.' However, smoke detectors are typically installed by the electrical contractor. Please confirm whether BAS is responsible for the installation of smoke detectors or it will be installed by the electrical contractor.

[Refer to M-04](#)

146. Referred to Specification, the Air Handling Unit (AHU-01) manufacturer is responsible for supplying the VFD, AFMS, dampers, pressure sensors for filters, and controls. However, there is no reference indicating who will provide the following field devices for AHU:

1. Damper Actuator.
2. Temperature Sensors.
3. Humidity Sensor.
4. CO2 Sensor.
5. Pressure Sensor.

6. Air Flow Sensor.
7. Control Valve.
8. Freeze Stat.

Additionally, there is a reference provided for hardwired control in the control schematic and AHU unit controller integration with the BAS.

Please confirm whether the scope of the BAS is limited to displaying and monitoring AHU points through the BACnet/IP/MS/TP interface and all field devices, control wiring provided by unit manufacturer. Means and methods are Contractor's responsibility. Accordingly the contractor shall determine who provide these devices. The AHU is not limited to displaying and monitoring, refer to detailed control diagram. Scope of BAS control is for unit control and monitoring as per the control diagrams.

147. Referred to drawings, the mechanical schedule for the heat exchanger is not provided. Additionally, the heat exchanger is not shown on the floor plan. However, the control schematic and mechanical specification for the heat exchanger are available. Please provide the mechanical schedule for the heat exchanger and a revised floor plan indicating the location of the heat exchanger.

[Refer to Addenda](#)

148. Referred to drawing M-803, the control schematics provided for the exhaust fans 07A and 07B. However, the mechanical schedule for the exhaust fans 07A and 07B not provided. Please provide the mechanical schedule for the exhaust fan 07A and 07B and a revised floor plan indicating the location of the exhaust fans.

[Refer to addenda for schedules and drawings with updated tags](#)

149. Please provide complete project schedule.

[GC is responsible to provide](#)

150. Please provide specification for the material of MTL3 as shown on Detail 11/A620.

[Should read ML3, see Finishes Schedule](#)

151. In ref to drwg # A650 – Stairs & Railing – Do we need to allow to paint the railing & pickets or just handrails only?

[Refer to previous questions - some galvanized, some painted](#)

[Excess Soil Management Plan - There will be significant amount soil to be excavated and disposed off site for the proposed crawl space work. As per new Ontario Regulation, client and Consultant please provide "Excess Soil Management Plan" for pricing purpose.](#)

[GC is responsible for retaining a Qualified Person to develop and implement an excess soil management plan in accordance with O.Reg. 406.19. Submit to Owner for review and acceptance prior to proceeding with the work. Refer to specification 31 23 00.](#)

152. Ground Floor Existing Slab on Grade for Proposed Crawl Space Work - After the excavation of crawl space, the existing ground floor concrete slab on grade will become suspended slab, structural engineer please confirm there are no any structural reinforcement works and shoring existing slab requirements, and please provide existing structure as-built drawing for information.

[The existing ground floor slab of East Wing is not a conventional slab on grade. It was originally designed as a suspended flat slab with drop panels, formed on soil backfill. No structural reinforcement or temporary shoring are required. Copies of original structural drawings have been provided for reference in Addendum 3.](#)

153.Union Work - Regarding Addendum 2 QA#2, UHN please confirm this TWH job can be Non-Union work.

Non Union work acceptable

154.As per new Ontario Regulation, the soil on site is owner's property and it's owner's responsibility to prepare for the "Soil Management Plan " to direct contractor where to dump and how to dump, please provide "Soil Management Plan" for pricing purpose.

For this project the Owner is directing the GC to be responsible for retaining a Qualified Person to develop and implement an excess soil management plan in accordance with O.Reg. 406.19. Submit to Owner for review and acceptance prior to proceeding with the work. Refer also to updated specification section 31 23 00, dated 2024.11.06.

155.Due to the complexity of this existing hospital alternation and addition project and non-pre-qualified mixed union and non -union trade's conditions, UHN please provide additioanl min 4 weeks' time for contractors pricing purpose and writing the required presentation documents.

No

156.The project required significant excavation works for relation of existing load bank, new exist tunnel and pile drilling works, hospital please provide existing underground utility layout plans for this contractor's pricing purpose

Not available. locates provided. GC responsible to provide camera reports of existing conditions prior to commencing.

157.On last Saturday Site Visit, Hospital's representative instructed the additional site visit will be provided for trades and the tender closing date will extended due to the complexity of this project, please provide the required site visit opportunity and additional time for these contractors who just been invited to pricing this work.

Completed

158.To hoist the existing ground Chiller onto the high roof, the crane need to park on the south entrance areas which are currently occupied by PCL, hospital please confirm if PCL will vacant the site to let this contractor to perform the hoisting work and this project will not be an extra work for the existing PCL's contract.

SEM GC will take ownership of the South Parking lot upon contract awarding.

159.Geo-report exterior page 4 indicates "Free water was recorded in the open boreholes 24BH-101 to 24BH-104, at depths of 4.88m, 5.79m, 1.47m and 4.57m from grade ...", the BH-103 with high ground water table 1.47m is located at the proposed new exit tunnel area, UHN / consultant please provide Hydrogeology Report and/or Ground Water Pumping Test Report for this Bidder's Dewatering Pricing purpose.

Refer to Section 5.5 on page 7 of the Geotechnical report. Free water in the excavation is anticipated to be minor and can be handled with filtered sumps and pumps. Well point dewatering is not anticipated.

160.Structural engineer please provide structural slab infill plans and demolition plan, drawing A101 calls for "cut temporary openings" for crawl space excavation but no slab infill detail and A101 also calls for "existing columns to be removed where interference with new structure" but no information about existing column size and quantity

Refer to East Wing Ground Floor Framing - Part Plan on drawing S112. Refer to typical detail R-001 for cutting opening and C-025 for infilling opening, on drawing S002.

For existing columns and footings that may interfere with new Works refer to drawing S101, rev. 6, issued for Structural Addendum 2, 2024.11.01.

161. Please allow these bidders including mechanical and electrical trades to get min 48 hours after the first total lump sum price submission to do the second separate prices (or identified prices) submission due to the difficulties during the contractor's tender closing time.

Yes Granted

162. 1. Could you provide the planned start dates for the construction works, including the piling and shoring phases, as well as their expected completion dates.

2. Please clarify and/or provide the dimensions (e.g. length, width, depth of excavation, etc.) of the excavation where shoring is indicated in the structural drawing S101. Also, what will be the elevation of the working platform for the works (piling, etc.)?

3. can you also please confirm that we can mobilize our drilling rig (operating weight approx. 60-70T) to the site to do the shoring works?

Construction is expected to commence in January 2025. General Contractor to provide realistic schedule to complete all milestone scopes.

Dimensions of excavation and elevation of working platform is to be determined by the Contractor.

Contractor to review geotechnical reports to assess capacity of subgrade materials for supporting proposed construction equipment. All costs associated with design and construction of an engineered temporary compacted granular pad are to be included by the Contractor in their bid price.

163. UHN / Consultant please provide a general phasing plan to show where / when to start first, to be completed step by step with milestone dates or this Bidder just to brainstorm a plan for own use.

GC to organize and schedule

164. I see there is not enough time to complete review all documents before RFI submission deadline. I would like to ask for extension of RFI deadline. Also, I have couple questions already:

1. Please confirm if I have to use specified chemical treatment company in this project or I can use some another qualified company.

2. Please provide detail of enclosure of new chilled water piping on façade.

3. Please provide spec for non-plumbed bathtub BT-1 in case it's supposed to be supplied by Mechanical contractor.

Already addressed.

165. FFE items – Addendum 04 issued FFE item list, UHN please confirm all those items to be supplied by UHN

See previous Addendum

166. Addendum 3 issued excavation and backfill specification section 31 23 00, clause 1.3.2.4 indicates "Payment for Inspection and Testing Company will be made by cash allowance specified in section 01 21 00", but there is no such section 01 21 00, UHN please confirm the cost of Inspection and Testing to be included in the Appendix B clause 4.4 cash allowances.

UHN to issue Addendum and add Third Party Testing Cash Allowance on new Bid Form

167. Addendum 3 issued excavation and backfill specification section 31 23 00, clause 1.5.2.1 indicates ""It is believed that portions of original foundations and footings have been abandoned in place, Additionally, an existing caisson wall from the excavation shoring system for the original construction of the Fell Pavilion building is believed to exist along gridline FL. Demolition of part of this caisson wall, including walers and tie backs, will be required to complete the tunnel excavation and new construction, Refer to available geotechnical reports for descriptions of soil physical and environmental properties"", but the provided reports do not provide any useful information of existing abandoned foundation and caisson wall system for this bidder's demolition pricing purpose, UHN please carry additional cash allowance for demolition of existing abandoned foundations, existing caisson wall and walers and tie backs.

No additional amounts to be added to the General Unforeseen Abatement Cash Allowance.

Drawing S101 Issued for Structural Addendum 2, dated 2024.11.01 shows approximate existing abandoned foundations and the existing caisson shoring wall along line FL. Drawing S403, Section 1 provides details of the existing caisson shoring wall.

168. We are working on this tender seriously and attended the mandatory site visit on Saturday November 2, 2024. We also have submitted 21 RFI questions raised from our sub trades. We find this project has very complicated and the bid price need so many price breakdowns involve. To understand the project properly and to allocate the pricing for each breakdown needs more time. We therefore, kindly request you to extend the bid closing date and RFI date by 4 weeks.

Extension had been granted previously.

169. Please Confirm the likely start date for drilling micro piles.

Contractor to propose location.

170. Please Confirm the location of the pre-production micro pile for the static load test.

Contractor to propose location.

171. Please Clarify if there are any restrictions on working near the existing building or structures. Fire, Life Safety, Hospital operations should always be maintained Are there any restrictions on working hours?

Addressed already.

172. The Ground floor plan S102 shows a continuous exterior corridor perimeter Grade Beam with a broken line. The Grade Beam is shown on section 5/ S401, but not on section 4/ S401. Could you please confirm the Grade beam is required where the section 4/ S401 is marked? Please clarify.

Section 4/S401 and 5/S401 are drawn at different scales. The grade beam does not show up in section 4/S401 because it is below the breakline for the section view. Section 4/S401 is enlarged to show the expansion joint details.

173. Please indicate the access including the opening size to bring machines from out side for crawl space excavation and removal. Can we able to bring in machines? Which is the access? Please advise the load capacity well as the head room.

Refer to drawing S112, including suggested procedure note in bottom right corner. Also refer to specification section 31 23 00 paragraph 1.5. Access is limited to seven (7) temporary openings of 1500x1500 cut through the ground floor slab. Design loads for ground floor slab are indicated on S112 note 3. Do not exceed noted design loads during construction.

174. Please advise the type of granular material and thickness below crawl space new slab on grade.
[Refer to specification 03 30 00 paragraph 2.2.7.](#)

175. How the existing SOG is supported during the crawl space excavation and after the excavation is completed? Can you confirm the ground floor slab is re-inforced and support it self without any additional shoring or reinforcing underneath?

[The existing ground floor slab of East Wing is not a conventional slab on grade. It was originally designed as a suspended flat slab with drop panels, formed on soil backfill. No structural reinforcement or temporary shoring are required. Copies of original structural drawings have been provided for reference in Addendum 3.](#)

176. The demolition legend on dwg A101 with the sloped hatched line in crawl space says existing ground to be excavated. In the same drawing a note shows 6 temporary openings in slab (as per dwg S112 the size is 1500 x 1500 mm). Why are these openings for? Are these openings for crawl space excavation? Demolition plan A110 does not show these 6 temporary openings. Why? Please clarify.

177. Ground floor slab to remain, with openings in ground floor slab only. Openings provided for excavation purposes.

[Will clarify drawings in addendum](#)

178. What is the existing composition of the existing roof of the 8th floor and the mechanical penthouse.
[Refer to the documents provided with this Addendum](#)

179. 11/ A620 I can't find any information on these drawings as to what "MTL3" is, if it is aluminum or composite, we could help with that as well.

[It should read ML3](#)

180. Please provide the loads on the micro piles. Also, please provide the size and depth for MP1, MP2 & MP3.

[Refer to Micropile schedule on drawing S101, rev. 6, issued for Addendum 2, dated 2024-11-01.](#)

[Diameter and depth to be determined by Contractors pile engineer. Refer to specification section 31 63 33](#)

(Note: There are no questions numbered between 181 to 188)

189. Please advise the benching concrete strength. The detail 2/S111 shows a horizontal line attached underneath the existing floor slab. Is it a new steel angle or existing?

[Concrete for Benching is the same as for the Slab on grade, 25 MPa. Horizontal line below the ground floor slab in Section 2/S111 represents the existing slab drop panel beyond.](#)

190. Please advise the conc mix for new SOG in crawl space. As per dwg S111 the new SOG in is crawl space un reinforced. Please confirm.

[Refer to specification section 03 30 00.](#)

191. A note on dwg A1.10 says existing load bank to be relocated. On the same dwg at the top a note says new precast load bank vault. Is it new or relocated? Please clarify.

[It is relocated. Refer to Electrical Drawings](#)

192.Co-ordinate extent of excavation & shoring requirement with structural ? Can you provide shoring dwgs? Is there any underpinning work involve in this project?

Excavation shoring is illustrated schematically on drawings S101 and S102. Design of excavation shoring on this project is the responsibility of the Contractor. Refer also to notes GN-001 on drawing S001 and Specification section 31 60 20.

193.Demo note 1 FF&E on dwg A100 says GC to arrange and remove ex abandon furniture . Please provide the list of equipment for removal.

Existing furniture workstations will be removed by UHN .

194.Dwg A100 note says to use self levelling motor that need to be built up to match existing. Plrase indicate the area on drawings and provide thickness,

Refer to previous question about floor topping

195.Please provide specification for the material of MTL3 as shown on Detail 11/A620.

It should read ML3

196.We request for the overall Roof plan with grid lines.

Information is available in reading of partial plans. No overall with gridlines will be provided

197.On last Saturday Site Visit, Hospital's representative instructed the additional site visit will be provided for trades and the tender closing date will extended due to the complexity of this project, please provide the required site visit opportunity and extend the RFI Dead line.

Completed

198.Please provide top to bottom cross-section between GL F13 and F12.

Also, include necessary elevations and plan details.

Sheet A511 has sections in that area

199.Should all the bricks in the area between F14 and F11 be replaced, or just the ones shown at GL F12?

Building Science being issued as an Addendum

200.Micropile specification 31 63 33 section 1.3.7.6.2 suggest ASTM D1143 static load test. This is a compression test. It is common practice to test micropiles in tension in general accordance with ASTM D3689. Tension tests are much simpler and just as useful. Pile capacity in compression will be at least as good if not better than piles in tension. Please confirm a quantity of 1 micropile preproduction tension test to general conformance with ASTM D3689 would be accepted.

Complete compression load testing to ASTM D1143 as per specifications.

201.Micropile specification 31 63 33 section 1.3.4.7 and 2.2.5 suggests double corrosion protection (DCP) as a requirement for the reinforcement. Why is DCP a requirement on this project ? Toronto Inspection Soil Sampling Analytical Program Letter dated September 30 2024 sample results does not test samples below depth of 2.3m therefore the soil in the bond zone has not been tested. Further more for the samples that were tested in the unbonded zone, the letter does not call out soil that is high corrosion potential.

A) What is the required design life of the micropiles ?

B) Can the requirement for DCP reinforcement be eliminated given that the Design Engineer of the micropiles is the Engineer of record responsible for the design.

Provide DCP as per specifications. Design for a healthcare building service life of 99 years in accordance with CSA S478 Guideline on Durability in Buildings.

202.Dwg L1.02 issued with Landscape addendum 2 shows 3 oval shape building canopy columns along grid FLx. There is a smaller diameter circular item shown near frost slab. Is it a building canopy column or non illuminated bollard? Please clarify.

At gridlines CX and C14 there is a structural column. Please see Architectural and Structural

203.Dwg L1.02 issued with Landscape addendum 2 shows in 2 locations for ex. Precast Concrete Landscape planter walls to be repaired. Please provide detail and indicate the type of repair work and the length of wall to be repaired.

Existing pre-cast concrete pavers walls, very low. Area currently closed off as construction site so extent can not be verified.

204.Please provide curb detail for curb around new asphalt in Patient transfer area. Please issue concrete curb and pavement spec.

A standard curb detail will be added to the landscape drawings for Landscape Addendum #3

205.Dwg L1.00 shows tree protection fencing for 5 trees. But the courtyard landscaping dwg L1.01 shows only 3 trees. As per dwg A010 those additional 2 trees are outside the hoarding. Do you still need these additional 2 trees to be protected? if so, where to allocate the cost for additional 2 tree protection. Please advise.

Please include all 5 tree protection zones. The line of hoarding is labelled 'presumed' and GC can adjust how they see fit.

206.Mech. Dwg M-004, and 01/L1.01 show snow melting in courtyard. Please provide the composition. Is there any insulation below slab? The exposed aggregate detail 02/L3.0 does not have any insulation. Please clarify.

Detail 02/L3.00 will be updated in the next Addendum to indicate insulation

207.The note 1 on detail 02/L1.02 says existing irrigation system to be modified to provide irrigation in planting beds indicated on plan. The indicative irrigation plan 02/L1.02 on dwg L1.03 does not show any existing or new irrigation pipes, sprinkler heads or water supply connection. Please provide Irrigation drawings to existing and new irrigation pipe lines, sprinkler heads and connection. There is no irrigation spec. provided. Please issue the spec.

Please refer to Irrigation Layout Plan that UHN had provided (dated 2006)

208.Detail 4 on dwg L3.0 0 show 100 mm perf. drain pipe under the aggregate splash edge. The background site plan, TWH services private locate issued with addendum 5 show five (5) drain in court yard. But any of the drawing show the sub drain layout and connection to drain. Please provide a layout drawing to show the sub drain detail. There is no site drainage spec. provided. Please provide.

We can indicate the perf. drain under the aggregate splash edge in plan.

209.Instead of vertical semi-instantaneous design of steam heat exchanger that needs mixing valve and storage, would a fully instantaneous horizontal shell & tube heat exchanger be accepted to deliver the specified performance?

Horizontal steam HEX can be accepted however it is contractor responsibility for the execution and space requirements. EXP will not change the design and review the space requirements. If contractor believe the horizontal design will fit and we have enough clearance as per manufacture recommendation and enough space for maintenance in the room for other equipment's. EXP will not entertain any change or incorrect installation c/w tight spaces for facility staff around the equipment. It is contractor's full responsibility to demonstrate the horizontal design feasibility.

210.Currently UHN uses plate & frame heat exchangers for some of their steam applications, can double wall plate & frame packages be accepted as alternate to vertical shell & tube?

Plate and Frame steam HEX not accepted

211.Addendum # 5 Q & A #12, we're asking you to identify which cables on E-501 detail #1 are to be MI 2 hour fire rated, everything shown on this drawing is just cables in conduit?

Please refer to spec Section 26 05 19 clause 3.4.

212.Do we require 3rd. Party Fire Alarm verification for this job?

Yes. GC to carry this cost, not in cash allowance.

213.On drawing E-202 Key Note #4, can we get the contact for the base building A/V contractor & a schematic drawing of the A/V infrastructure?

Not awarded by UHN as yet

214.On drawing E-302 detail #1, there are several Z1 landscape Bollard Lights, according to the landscape drawings there are 2 different heights for these fixtures, can you tell us which ones you want & where they'll be located on the drawings?

Per Landscape Addendum #2, only one height of bollard is proposed.

215.Are transformers required for the smart glass switching and are the switches low voltage? Diagram required?

LV switch is to control the on/off, relay/transformer need to provided for control.

216.On drawing E-203 details #1 & #2 the D2 light fixture is shown as a surface mounted wall fixture, however on the Luminaire Schedule it's a recessed ceiling mount, please advise.

Please refer to the latest addendum.

217.On drawing E-302 details #1 & 2 there are 3 x F1 fixtures, however these aren't on drawing E-002 the Luminaire schedule, please advise.

Please refer to the latest addendum

218.Addendum 6 , question #50 pneumatic system referring for A101, please clarify since architectural plans A101 do not contain pneumatic system .

Please refer to SwissLog drawings

219.There is no drawings list provided in the tender document. It is hard to find or differentiate the tender issued drawings and addendum drawings. Please provide a drawing list & index in the specification.

Drawing list on Architectural cover sheet

220. Please confirm the depth of the existing backfill material in the "crawl space" which we have to create (below the L1 slab of the new SEM centre). There are notes in various architectural drawings indicating that the crawl space is existing. This has huge impact on our pricing. Please advise.

[Refer to Geotechnical Investigation report No 6636-24-GB \(Interior\), dated Oct 10, 2024, prepared by Toronto Inspections Ltd.](#)

221. We don't see any spec. sections & specifications for exposed concrete paving, PIP concrete paving, Planting, Natural stone planter wall, Aggregate Splash edge, Site furnishing including benches, vertical wood cladding etc shown on dwg L1.01. Please provide.

[Specifications issued for Addendum #3.](#)

222. The manufacture of Light Bollard detailed in 10/L-3.00, wanted to price to electrical contractors. The electrical contractor has to provide wiring and connections. Please include the complete scope in electrical and show on electrical drawings and provide specification.

[Electrical to supply and install the fixture, please refer the landscape drawings for the fixture spec.](#)

223. Is there any traffic signs or parking signs in this project? If so, please provide the spec. and drawings.

[Pavement marking, not traffic signs](#)

224. Masonry Restoration Work - Please provide proper masonry restoration drawing and restoration specification including detail plans, elevations and details. The current EXP's TWH FP Building Envelope Assessment Report did not provide enough information for accurate pricing purpose.

[Drawings by EXP were issued November 15th](#)

225. Separate Price Submission - Drawing A004 and Tender Form calls for 6 ea separate prices, and this tender is open to public hard bid tender, due to the high tension and working loads during the closing time, client please consider to simplify the separate prices requirements and/or allow min 48 business hours after first Lum Sum closing time for GC to do the second submission for separate prices.

[Granted](#)

226. Union Work - Regarding Addendum 2 QA#2, UHN please confirm this TWH job can be Non-Union work.

[Confirmed](#)

227. Due to the complexity of this existing hospital alternation and addition project and non-pre-qualified mixed union and non-union trade's conditions, UHN please provide additional min 4 weeks' time for contractors pricing purpose and writing the required presentation documents.

[Previous extension given](#)

228. On last Saturday Site Visit, Hospital's representative instructed the additional site visit will be provided for trades and the tender closing date will be extended due to the complexity of this project, please provide the required site visit opportunity and additional time for these contractors who just been invited to pricing this work.

[Completed](#)

229. Please allow these bidders including mechanical and electrical trades to get min 48 hours after the first total lump sum price submission to do the second separate prices (or identified prices) submission due to the difficulties during the contractor's tender closing time

[Granted](#)

230.UHN / Consultant please provide a general phasing plan to show where / when to start first, to be completed step by step with milestone dates or this Bidder just to brainstorm a plan for own use.

[GC responsible](#)

231.We are working on this tender seriously and attended the mandatory site visit on Saturday November 2, 2024. We also have submitted 21 RFI questions raised from our sub trades. We find this project has very complicated and the bid price need so many price breakdowns involve. To understand the project properly and to allocate the pricing for each breakdown needs more time. We therefore, kindly request you to extend the bid closing date and RFI date by 4 weeks.

[Previously granted](#)

232.Please Confirm the likely start date for drilling micro piles.

[GC to schedule](#)

233.The demolition legend on dwg A101 with the sloped hatched line in crawl space says existing ground to be excavated. In the same drawing a note shows 6 temporary openings in slab(as per dwg S112 the size is 1500 x1500 mm). Why are these openings for ? Are these openings for crawl space excavation? Demolition plan A110 does not show these 6 temporary openings. Why? Please clarify.

[Addressed already.](#)

234.What is the existing composition of the existing roof of the 8th floor and the mechanical penthouse.

[See Report](#)

235.Detail 1/ A620 it calls out standing seam roof, but no profile, gauge or colour. I couldn't find standing seam roofing in the spec either.

[See spec section on Metal Cladding Systems](#)

236.Also, for soffit type "EW1" It just shows as suspended, we will need some kind of framing here to attach this system to.

[Yes framing required](#)

237.11/ A620 I can't find any information on these drawings as to what "MTL3" is, if it is aluminum or composite, we could help with that as well.

[ML3](#)

238.Demo note 1 FF&E on dwg A100 says GC to arrange and remove ex abandon furniture . Please provide the list of equipment for removal.

[UHN will remove and dispose of all workstation furniture](#)

239.Please provide specification for the material of MTL3 as shown on Detail 11/A620.

[ML3](#)

240.On last Saturday Site Visit, Hospital's representative instructed the additional site visit will be provided for trades and the tender closing date will extended due to the complexity of this project, please provide the required site visit opportunity and extend the RFI Dead line.

[Completed](#)

241.1. Please provide connection point of glycol piping for snow melt system.
2. Please provide spec for underground glycol piping from existing piping to new snow melt manifold.
3. What is length of this project? What is completion date?
4. Please let me know who is responsible for extension of enclosure around redirected glycol piping for relocated chiller.
5. Please let me know if GC is going to erect scaffolding on façade in order to install new glycol piping for relocated chiller.
6. Please provide detail of piping connection to Radiant panels.
7. Please provide detail glycol piping connections to Ceiling Mounted Ventilation Units.
8. Please clarify who going to supply/install sump pits covers
[Refer to updated addenda](#)

242. Please allow us to submit the appendix B breakout pricing needs at least 48 hours deadline after closing. Not expecting subs/supplier will comply/cooperate with this requirement at time tender closing.

[Granted](#)

243. For the glazing film, can you confirm if they meant GF1 instead of GL1?
[Correct, GF1](#)

244. We don't see any spec. sections & specifications for exposed concrete paving, PIP concrete paving, Planting, Natural stone planter wall, Aggregate Splash edge, Site furnishing including benches, vertical wood cladding etc shown on dwg L1.01. Please provide.
[Specifications issued for Landscape Addendum #3.](#)

245. The manufacture of Light Bollard detailed in 10/L-3.00, wanted to price to electrical contractors. The electrical contractor has to provide wiring and connections. Please include the complete scope in electrical and show on electrical drawings and provide specification.
[Electrical to supply and install the fixture, please refer the landscape drawings for the fixture spec.](#)

245. The project calls for significant amount of crawl space excavation, tunneling excavation, drilling piles and shoring for excavation supports, would hospital consider the requirements of existing structure vibration and movement monitoring, if so, please engage with related consultant to prepare the monitoring plans and mark on the plan for the points which need to be monitored for this contractor's pricing purpose.
[Monitoring existing buildings for vibrations or movement due to excavation and foundation Work is not required.](#)

247. Foundation drainage 33 41 13 spec. is provide. Not seen on drawing. Where does this apply?
[New below grade stair exit does not have associated foundation drainage. New basement crawl space areaway to have perimeter drainage tied into existing, as shown on drawings](#)

248. Spec. section 07 14 16 - Cold applied waterproofing. Where does this apply? We are unable to locate on the drawing.
[To be applied to crawl space areaway foundation walls](#)

249.High pressure Laminate cladding . Unable to locate on dwg. Where does this apply?
External corridor soffit

250.Metal cladding system. Where does this apply?
Prefinished metal roofing at External Corridor

251.Expansion joint cover assembly EJS1- EJS 6. Not shown thes types. Where does these apply.
Throughout the External Corridor

252.Dwg S102 show 3 typical pile cap detail & 4 section detail. But these are not shown on dwg 102 corridor ground floor part plan. Please indicate.
These two sections are Typical. They are not cut from a specific location on the plans.

253.Spec. section 07 81 00 for spray Fire- Resistive Materials (SFRM) is provide. Not shown on drawing. Please indicate.
Scope for SFRM is limited to Level 8 repair or replacement of exsiting fireproofing on steel structure effected by new chiller tie-in supports on rooftop above.

254.After my review of Addendum #7 I have another couple questions:

1. There is main domestic water piping on drawing M-111. Please clarify if this piping is going to be suspended from the slab or it's going to be buried underground.
2. If it's going to be underground, please provide material spec.
3. Please provide detail of main water meter assembly as requested in same drawing.
4. Please provide full spec for Water tankers as mentioned at note 17 & 18 drawing M-111. I would suggest to put some cash allowance for that.

Refer to line 479 to 482

255.Mechanical Trade requests for tender closing extension.
Sorry, unable to extend.

256.Are there any roofing repair work in Lvl 8 or 10. If so, please indicate on the drawing. CAI:
Some roof repair will be required to accommodate new work. (ex. at new structural columns, curb s for new mech equipment, etc.)

No stand-alone roof repair work.

Please indicate metal column covers on the dwg. Unable to locate.

At Patient Transfer Canopy. Gridlines CX and JJ, II, & HH

257.Dwg S102 show detail 3 and 4 pile cap secftions. Please indicate this on plan S102 on the dwg. Unable to locate.

These two sections are Typical. They are not cut from a specific location on the plans.

258.Thanks for the response for the breakout prices, however we haven't got any definitive answer. Deleting any of the scope will have an impact on the overall cost, if UHN thinks that deletion is a possibility please provide an additional column with deletion (\$) cost against each breakout prices.

Deletion is not intended.

259.During the recent walk-through an alternate routing for chiller pipes was identified by us, please see the attached pic and let us know if this is acceptable to the client.

Additional details showing securement of new chiller piping through existing metal panels provided in addendum Nov19th. Alternate location for piping not to be considered at this time

260.For the micro piles, can you please confirm if the requirement for the load test is for a Preliminary Test Pile (PTP) or will the load test be performed on one of the installed/working piles?

Load testing may be performed on one of the working piles.

261.Almost all of our trades are requesting for a closing extension due to the scale of the job, we really respect the strict deadlines from UHN but to get better prices from trades we need to at least get one week extension to the tender closing.

Previously granted

262.Drawing M-111. Underground Floor Plan - New Work

1.Further to concluded site walk today, Drawing M-111 (clouded blue line area) doesn't reflect current conditions of existing services in the ceiling space which are heavily congested. This congestion will critically interfere with the new domestic water supply and particularly the sanitary piping which requires proper gradient/slope to achieve required discharge flow of solids. In my own opinion this is not doable installing new plumbing services at these conditions/routings. Please have the consultant a second look/review of this basement/tunnel area and recommend practical resolution. II. Confirm 200mm Fire Mains is by Fire Protection/Sprinkler sub trade. Refer to Drawing M-111 (clouded red line).

I: Contractor to review and coordinate on site, the space is tight and exact location of pipe can be adjusted. Refer to M-04

II: Contractor to review and coordinate on site, the space is tight and exact location of pipe can be adjusted. Refer to M-04

III: GC to coordinate the delineation of services.

263.Drawing M-313 Penthouse & Roof Plan – New Work

I. Existing 250 mm Chilled Water & 350 mm Glycol Heating Water were stainless steel piping materials. Confirm material requirement for new chilled water and glycol heating piping serving Custom Air Handling unit. II.Confirm new chilled water & glycol heating piping sizes on new Air Handling unit. Dwg M-313 (Plan) shows 100 mm. Dwg M-602 (schematics) shows 150 mm .

I: Match existing where connecting to the existing piping.

II. 100mm new pipes, refer to M-04"

There is main domestic water piping on drawing M-111. Please clarify if this piping is going to be suspended from the slab or it's going to be buried underground.

All new piping main incomings in the crawl space to be suspended.

264.Refer to addendum M-04 If it's going to be underground, please provide material spec.

All new piping main incomings in the crawl space to be suspended.

Refer to addendum M-04

265.Please provide detail of main water meter assembly as requested in same drawing.

Existing assembly no details are available, refer to existing drawings for any information.

Please provide full spec for Water tankers as mentioned at note 17 & 18 drawing M-111. I would suggest to put some cash allowance for that.

Refer to addendum M-04 (revised and tanker not required)

266. Please try to get an extension to the tender closing due to the project complexities in regards to the mechanical scope.

[Previously granted](#)

267. There is main domestic water piping on drawing M-111. Please clarify if this piping is going to be suspended from the slab or it's going to be buried underground.

[All new piping main incomings in the crawl space to be suspended. Refer to addendum M-04](#)

268. If it's going to be underground, please provide material spec.

[All new piping main incomings in the crawl space to be suspended. Refer to addendum M-04](#)

269. Please provide detail of main water meter assembly as mentioned in drawing M-111.

[Existing assembly no details are available, refer to existing drawings for any information.](#)

270. Please provide full spec for Water Tankers as mentioned at note 17 & 18 drawing M-111.

[Refer to addendum M-04 \(revised and tanker not required\)](#)

271. Multiple trades are requesting an extension, we ask for one week of extension for closing till Nov 3rd, 2024.

[Closing Nov 26 2024](#)

272. As per schedule exhibit C.2 Resource Management Plan: "Provide a high level, Resource Management Plan that shows how resources (per division) will be allocated, scheduled and utilized during construction. Note ramp-up and ramp-down instances, and include resourcing for mobilization and commissioning activities."

To ensure maximum points are captured please clarify what is expected as part of exhibit C.2."

[This response will indicate to UHN which proponents clearly understand the project as a whole and where allocations need to be ramped up to complete certain extensive scopes](#)

273. Please confirm if there is an existing roof anchor plan for the building to facilitate the temporary removal and reinstallation of the metal cladding.

[Previously answered](#)

274. For the Concrete paving and the exposed aggregate finishing, we will be sandblasting the exposed aggregate for the rough finish and exposed aggregate aesthetic, however, in the details with the concrete paving, it states the concrete to be sandblasting, as well. We would recommend omitting the light sandblast from the concrete paving to keep the texture smooth. Let me know if that works for you.

[Refer to updates in Landscape Addendum #3.](#)

275. As per drawing A120-4, the bricks are mentioned as temporarily removed for demolition of existing canopy and they mentioned infill with salvaged brick, for the new drawing issued for Addendum #8, the D1-1 details actually overlap with the A120-7 Detail with the wording "To replace brick to match existing", it is unclear about whether the architect's intention is to use new brick or salvaged brick for the upper part (purple circle). Can you please help to clarify?

[D1-1 is in reference to building envelope remediation to be read in conjunction with/coordinated with architectural scope on A120 and A400. The intent is that brick removal is temporary to accommodate architectural and remediation work. Existing brick to be reinstated to match existing. Any damaged brick to be replaced with new brick to match existing.](#)

276.A5 of the Schedules document requires the resumes of the mechanical and electrical trade's Project Lead and Site Supervisor. Can this be provided after tender closes?"

No

277.Please provide detail for:

- i.the rail at chiller platform – section 6/A6.00 doesn't clarify any information
- ii.section 5/A120 – as we didn't find information about structural tie beam on the architectural and structural drawings.
- iii.stainless-steel rail at patient transfer as per section 3/A511
- iv.rail and handrail with material (steel / stainless steel) shown on the drawing A650
- i. This will be provided in the upcoming addendum
- ii. No structural tie beam associated with service stair platform scope shown on 5/A120
- iii. New stainless steel guard to be constructed of 50mm welded piping members
- iv. Guard on stairs within excavated crawl space to be galvanized steel. Exit Stair C handrails to be painted steel

278.Please provide detail of enclosure of new chilled water piping on façade.

Refer to Addendum dated Nov 19th

279.Please provide detail of enclosure of new chilled water piping on façade.

Refer to Addendum dated Nov 19th

280.Referred to specifications, the mechanical specifications are not provided for the following equipment:

- 1.Force flow heater.
- 2.Unit heater.
- 3 VAV.
- 4.Energy recovery ventilator.
- 5.Domestic water heater.
- 6.Copper Silver Ionization unit.

Please provide the mechanical specifications for the above equipment's." EXP_M: Refer to addendums, drawings and spec.

281.Masonry Restoration Work - Please provide proper masonry restoration drawing and restoration specification including detail plans, elevations and details. The current EXP's TWH FP Building Envelope Assessment Report did not provide enough information for accurate pricing purpose.

Drawings to be issued November 15th

281.I see there is not enough time to compete review all documents before RFI submission deadline. I would like to ask for extension of RFI deadline.

Also, I have couple questions already:

- 1. Please confirm if I have to use specified chemical treatment company in this project or I can use some another qualified company.
- 2. Please provide detail of enclosure of new chilled water piping on façade.
- 3. Please provide spec for non-plumbed bathtub BT-1 in case it's supposed to be supplied by Mechanical contractor.""

Refer to updated addenda and UHN. Unable to extend.

282. Should all the bricks in the area between F14 and F11 be replaced, or just the ones shown at GL F12? [Please refer to EXP drawings issued Nov. 15th](#)

283. There is a discrepancy regarding natural Stone Planters Height and there is not any elevation drawings showing the bottom and top Elevation, Could you please provide the elevation drawing regarding planter Areas at court yard?

[Elevations were issued as an Addendum](#)

284. Please confirm the requirement of “integrated fire protection and life safety systems” testing. [Contractors responsibilities for Integrated Testing are to meet requirements of Div 01 79 26 and where referenced in other Specifications Sections. Integrated Testing Consultant will be carried by Owner.](#)

285. Regarding the DHWH-1,2 : please add Spirax Sarco to the list of accepted manufacturers. Spirax currently serves UHN-TWH steam system in all capacities, could you please add the manufacturer. [Spirax acceptable as long as matches the design and spec.](#)

286. On detail 5/L3.0 there are two different heights of walls. Unfortunately, I’m not sure which is which on the plan view. Could you please clarify which is the low wall and which is the full height?

[Refer to L1.03 Grading Plan](#)

287. 2. Crawl Space:

2.1 Confirm crawl space with a slab-to-slab height of 1800 mm is a confined space.

2.2 Confirm new sanitary & storm piping gradient/slope is achievable within crawl space area.

2.3 Confirm existing buried sanitary & storm piping material.

2.4 Confirm suitable materials from buried to above ground for sanitary & storm piping.

[2.1 Contractor to determine if crawl space is to be considered a confined space during construction. Refer to previous question for classification of permanent crawl space](#)

[2.2 EXP_M: Refer to M-04](#)

[2.3 EXP_M: Not known TBD based on the scans or site inspection](#)

[2.4 EXP_M: Not known TBD based on the scans or site inspection](#)

288. 3. Sheetmetal:

3.1. Are there anchors in the roof? Are they yearly inspected?

3.2 Is thermal insulation required for the washroom exhaust and isolation exhaust along the side of the building.

[3.1 Yes anchors in the roof and Yes tested yearly](#)

[3.2 EXP_M: All outdoor ducts to be insulated c/w weather jacketing.](#)

Glass types GL-1 and GL-2 that are present at the curtain wall corridor has specified manufacturers without the option for substitutions. Seeing that some of these manufacturers are in USA or Europe, is it possible that you can look into the idea that other bent glass manufacturers are acceptable as a substitution? As per specs (08 80 00 – Glass and Glazing – 2.3 Glass Materials .4.5, the only acceptable manufacturers are: Cricursa, Cristacurva, Dlubak, Glass Doring, Prelco, Sunglass""UHN is open to Canadian

[Alternative suppliers of similar products meeting the both the aesthetics and compatible with the full technical requirements of Div 08 80 00, will be acceptable.](#)

289. (L 1.02) Please provide Asphalt Pavement mix type & thickness.

Paving to be Standard Duty: 30mm HL3 asphalt on 50mm HL8 asphalt on 250mm of 19mm crushed limestone compacted to 98% SPMD. Ensure proper compaction of subsoil where existing asphalt removed.

290. Visual display surfaces – 10 11 00

MGB-1 and MGB-2 appear to be the glass boards as noted in section above.

Addendum 1 revises 6/A440 to read digital whiteboard from TV2. I don't see a specification for these boards. WB-1 electronic whiteboard noted on A1000 is not located

Refer to SCHEDULE OF ITEMS SUPPLIED BY OWNER AND INSTALLED BY CONTRACTOR on A1100

MGB-1 and MGB-2 are magnetic whiteboards.

WB-1 and TV-2 are both screens. -1 or -1 refer to mounting heights.

291. On drawing E-302 detail #1, there are several Z1 landscape Bollard Lights, according to the landscape drawings there are 2 different heights for these fixtures, can you tell us which ones you want & where they'll be located on the drawings?

Lights were revised to be only one height

292. Referred to drawings, the control schematic, control sequence and reference I/O point list are not provided for the following equipment:

1. Ceiling mounted ventilation unit.

2. Reheat Coil.

3. Unit Heater.

4. Exhaust Fans (EW-EF-13A & 13B, EW-EF-6A & 6B).

Please provide control schematic, control sequence and reference IO Point list for above equipment's.

Refer to updated tags and control diagrams for the list. existing fans to match the existing function

293. Referred to specification, the product specification for damper actuators is not provided.

Please provide the product specifications for damper actuator.

Refer to M-04

294. Dwg L1.02 shows new asphalt paving for patient transfer area. Is it heavy duty or light duty? Please advise the asphalt and granular types and thickness and a detail to show the pavement cross section. There is no asphalt specification in the spec book. Please issue the spec section.

Already addressed.

295. Some spec. sections are issued or revised with the addendums. Please provide an update spec. index.

Updated Spec Table of Contents will be provided at IFC

296.1. could you provide the planned start dates for the construction works, including the piling and shoring phases, as well as their expected completion dates.

2. Please clarify and/or provide the dimensions (e.g. length, width, depth of excavation, etc.) of the excavation where shoring is indicated in the structural drawing S101. Also, what will be the elevation of the working platform for the works (piling, etc.)?

3. can you also please confirm that we can mobilize our drilling rig (operating weight approx. 60-70T) to the site to do the shoring works?

1. Follow GC schedule

- 2. Dimensions of new construction provided on drawings. Associated excavation to execute work is responsibility of GC
- 3. Already addressed

297. Should all the bricks in the area between F14 and F11 be replaced, or just the ones shown at GL F12?

Refer to D1-1 for building envelope remediation work to be read in conjunction with/coordinated with architectural scope on A120 and A400. The intent is that brick removal is temporary to accommodate architectural and remediation work. Existing brick to be reinstated to match existing. Any damaged brick to be replaced with new brick to match existing.

298. Please find attached the request for equal for the AHU at Toronto Western Hospital.
Given this is a custom unit and any supplier outside spec. is not acceptable.

299. Please provide specifications for new Asphalt Paving
Already Addressed.

300. Please provide specifications for new Asphalt Paving
Already addressed.

301. RSF-2 and RSF-4 have the same specifications. Are they supposed to be different colours?
Yes these specifications are the same.

302. Please specify the color for WP7 Altro Whiterock, as the colors for these panels have separate prices than the Standard White.
Colour adjusted on previous response.

303. Interior finishes notes legend says to finish GB bulkheads adjacent to ACT with "EPT1". What is "EPT1" as it is not listed on Finish Legend?
EPT1 has been clarified in the Finishes Schedule

304. Wall finish plans show some walls and ceilings to get epoxy paint. Paint spec does not mention any epoxy, so what would be product required?
Finishes Schedule and Specs updated.

305. Where arrows start and stop on Wall Finish plans (showing PT to match existing), is that extent?
Yes

306. What is behind the siding on the side of the building where the chiller piping is being rerouted?
UHN does not have as-builts.

End of the Cover page