

ADDENDUM NO.05: SECTION 00 91 05

1.0 GENERAL INSTRUCTIONS

- 1.1 The information contained herein will constitute an addendum to the Specifications and Drawings for:

UNIVERSITY OF TORONTO

DENTISTRY CLINIC 2

PROJECT NUMBER P065-21-050

- 1.2 Upon receipt of bids, it will be assumed that all matters pertaining to this addendum are included in the base bid amount.
- 1.3 The following revisions will amend the specifications and drawings and all items added or deleted thereon will be included for in the bid submission.

2.0 DIVISION 00, DIVISION 01 DOCUMENTS

- 2.1 Refer to DIVISION 01 Section 01 11 22 Sub Section 3.3.1

1. Delete the section and replace with:

Contract Name: Henry Schein

1. Description: Dental Equipment

2. Contact: Cory Bresson – Cory.Bresson@henryschein.ca

3. Assigned Contract Value: **\$3,719,906.10**

4. Assigned Contract Scope: Supply and Install of dental chairs and associated dental equipment.

3.0 ADDENDUM SUMMARY

Refer to accompanying Addendum Summary dated 6 July 2026 bearing consultant's number #24082 and totalling 15 pages for a list of additions, deletions, or revisions to the technical drawings and specifications.

4.0 BIDDERS' QUESTIONS

- 4.1 Refer to the following Bidders' questions at time of Bidders' site tour, and Consultant's Answers:

Q1. "Is there a spec available for the DA (dental air) and OV (oral vacuum)?"

A1. Please note the following revised response: Specification section 22 60 00 "Gas and Vacuum Systems for Laboratory Facilities" applies to dental air (DA) and oral vacuum (OV) systems indicated on the drawings. Provide dental air and oral vacuum systems in accordance with the requirements specified in this section of the specification.

Q2. "Demolition Keynotes D05 and D20 on drawings A1101 and A1102 are making reference to structural drawings related to removal of structural steel / columns supporting existing ramp scheduled for removal. There is no information on structural drawings on how removal of those structural elements affect structural integrity of elements which are to remain."

A2. Please refer to existing building structural drawings provided as part of the tender package. The existing columns denoted by Demolition Keynote D20 in the Waiting Room/Lobby (M200) that are to

be demolished, only support the Ramp (M227R), denoted by Demolition Keynote D05, that is also to be demolished. The Contractor is responsible for determining the demolition sequence of all structural and non-structural elements to be demolished in a way that does not affect the structural integrity of elements which are to remain.

Q3. "Please confirm the dimensional detailed drawing of HRV-2. A unit detailed drawing would be required to allow for equivalent manufacturers to bid ?"

A3. *The dimension of the proposed HRV-2 is 322"x147"x135" as per the current selection and may vary with a different supplier.*

Q4. "Please confirm acoustical data for HRV-2 ?"

A4. *Refer to Mechanical Addendum No 2. The attached sound data accounts for silencers integral to the unit.*

Q5. "Please confirm casing construction acceptability ? Please advise if Daikin 2" foam insulation or Haakon 2" fiberglass is acceptable?"

A5. *Please refer to the section 23 74 13 in the mechanical spec for detailed information. Casing construction to meet specification.*

Q6. "The HRV and exhaust systems to activate/increase to high speed "in the event of flammable vapor concentrations ... above the lower explosive limit".

- Is this area to be an explosion-proof installation?
- Do all devices, conduit, and electrical connections require explosion-proof housings and/or spark barriers?
- What zones are to be classified for explosion-proof or spark-resistant installation?

Please note, there is no listing for spark-resistant fan operations on the HRV or EF-1. We check the electrical and architectural drawings and there is no mention of explosion proof or spark resistant devices other than very general descriptions."

A6. *No explosion-proof requirement.*

Q7. "As per RCPs notes to refer to Room Finish Schedule for Exposed Ceilings but Schedule does not indicate ceiling finish. Please confirm if exposed ceilings to be painted, if yes please provide locations."

A7. *The note "refer to finish schedule for paint" has been removed from architectural set sheets A1501, A1502, A1503, and A1504 as part of Architectural Addendum No. 3. The following exposed ceilings are to be painted:*

The existing exposed ceiling and new and existing M&E services in Clinic 2 (207) are to be painted. Please see Renovation Keynote R18 on A1504, and specifications section 09 91 00 article 2.2.1.1.3. A note about painting the exposed ceiling in A5201 drawing 4 has been updated as part of Architectural Addendum No. 3.

The existing exposed ceiling in the Waiting Room/Lobby (M200) adjacent to Medical Records Storage (M204) is to be painted. See architectural set sheet A5401 drawing 17 and specifications section 09 91 00 article 2.2.1.1.1. Also see Renovation Keynote R22, which has been added to A1501 drawing 2 as part of Architectural Addendum No. 3.

All other exposed ceilings do not need to be painted.

Q8. "Provide additional clarifications related to Q5/A5 of Addendum #3:

- Section 07 19 00 Water Repellent Sealer - if noted sealer is required for concrete slab in parking garage, clarify location of work of Section 09 67 72 (Concrete Floor Sealer)
- Sections 07 81 16 Fireproofing - in addition to patching and what is indicated in DSSR scope, clarify if any new spray fireproofing is required (enclosure types C1 and B1 on drawing A0110) as it appears that columns and beams with such designation are not identified on drawings
- Section 07 81 23 Intumescent Fireproof Coating - clarify if any new intumescent coating to steel beams is required (enclosure type B2 on drawing A0110) as it appears that beams with such designation are not identified on drawings."

A8. 09 67 72 Concrete Floor Sealer:

The concrete floor sealer specified in section 09 67 72 is intended to be applied to the metal pan stairs (concrete infill) in Stair (218S) and Stair (319S). See architectural set sheets A4201, A6101A, A6101B, and specifications section 05 50 00 article 2.3.4.

07 81 16 Fireproofing:

In addition to making good existing conditions and what is indicated in the Designated Substances Abatement Scope of Work document, any new fireproofing specified in section 07 81 16 is intended to be applied to the underside of steel decks where indicated in architectural details. No new spray-applied fireproofing is required on columns and beams. Steel column enclosure type C1 and steel beam enclosure type B1 are included in the drawing package in the event unforeseen site conditions necessitate their application.

Please note that there are two different scopes in which new spray-applied fireproofing is required. One, is the replacement of existing fireproofing during the abatement process. This is scope covered in the Designated Substances Abatement Scope of Work document. Second, is the making good of existing and application of new fireproofing. This is described in the architectural drawings and specifications.

07 81 23 Intumescent Fireproof Coating:

The intumescent fireproof coating specified in section 07 81 23 is intended to be applied to steel beam enclosure type B2 as per architectural set sheet A0110, and as indicated on A4201 drawing 4 and 8.

Q9. "As per Door Schedule notes Door Type A /Frame Type F1 to have glazing but door and frame elevations do not show glazing. Please confirm correct scope"

A9. *Please see revisions in Door Schedule in architectural set sheet A6102 as part of Architectural Addendum No. 3.*

Q10. "As per Drawing M-101D-General Note 1, "Contractor To Make An Allowance For 50 New Shut Off Valves, 10x3/4";10x1";10x1-1/4";10x1-1/2";10x2" Valves". Please advise if this cost will need to be included in the base price."

A10. *Yes, the cost for this allowance needs to be included in the base price.*

Q11. "As per Drawing M-101D-General Note 2, "Contractor To Allow For 50 Ft Video Scooping Of All Existing Mains Being Connected To". Please advise if this cost will need to be included in the base price."

A11. *Yes, the cost for this needs to be included in the base price.*

Q12. "As per Drawing M-101D-General Note 23, "Contractor to allow for 20 additional pipe hangers and supports for existing domestic water piping ,compressed water piping and sprinkler piping. Provide additional support and hangars where it is found to be inadequate". Please advise if this cost will need to be included in the base price. If needed please advise what is the pipe size needs to be considered for 20 additional pipe hangers and supports for existing domestic water piping ,compressed water piping and sprinkler piping."

A12. *Yes, the cost for this needs to be included in the base price. Pipe size to be accounted for is 4".*

Q13. "Please advise all the work can be performed during regular working hours except the noise creating work mentioned in specification Section 01 14 00- Work Restrictions subsection 5 Off-Hours Work."

A13. *Please review the specification Section 01 14 00- Work Restrictions subsection 5 Off-Hours Work; it relates to work with significant noise or odours as well as vibration sounds through building assemblies.*

Q14. "Please advise how many phases are required for this tender. Please provide timeline for each phases. Please confirm if there is any time gap between two phases. Please clearly mention if any afterhours work is required in any phase."

A14. *The logistics drawings are a suggestion of phasing and timelines and is meant only as a reference. As shown in the logistics drawings, the Faculty of Dentistry has planned to have 20-25 chairs unavailable for use during each phase. The Contractor is responsible for creating their own construction phasing schedule to complete the work. For after-hours work, please see specifications section 01 14 00 article 5 Off-Hours Work describing the type of activities required to be complete between 6:00pm – 7:00am or on weekends, as coordinated with the Owner. 7:00am to 6:00pm can be considered regular working hours. Please be reminded that the milestone date for all the work on the Level 1 ceiling is March 31, 2027.*

Q15. "Is EF-1 to be controlled by BAS?"

A15. *EF-1 will be controlled by BAS.*

Q16. "Are ETC's part of BAS scope? If so, can it be considered as a Bacnet Integration? Schedule don't mention any communicatin protocol embebed."

A16. *ETC will be monitored through BAS.*

Q17. "Notes for HRV mention it comes with complete control and Bacnet interfase, please confirm that BAS scope is just to integrate this equipment using Bacnet communication protocol and no need to supply any instrumentation to HRV."

A17. *Yes, controller comes with HRV package and hard-wired connection to BAS.*

Q18. "In page 24 it is mentioned that valves are provided by control contractor (BAS). Please confirm if HRV comes in complete package including control valves."

A18. *Control valves are from HRV supplier but delivered loose and will be installed by mechanical contractor on site. The valves are controlled by the HRV controller.*

Q19. "SPLIT AIR CONDITIONING SYSTEM OUTDOOR CONDENSING UNIT SCHEDULE doesn't show any communication protocol available but in arquitechture they seems to be integrated to a control panel. Please confirm if CUs will be part of BAS scope and if Bacnet communication protocol is available for them."

A19. CU's are part of the BAS scope. BacNet communication protocol is available.

Q20. "Please clarify regarding quantity of AC's (Split Air conditioning indoor): Schedule of page 28 mention 5 quantities, from AC-1 to AC-5. Then Architecture in page 24 mentions 6 quantities. The take off results into 6 quantities. Location of C-5 does not match into Schedule vs Architecture. How many AC's will be considered in BAS scope, 5 or 6? Wich is the righth ubication of C-5 and C-6."

A20. *Total 5 air conditioning units are required (see AC schedule & CU schedule on drawing M-700). For drawing M-603, the AC-5 in Room M203B is no longer required and AC-6 in Room 21E has been renamed as "AC-5," as part of Mechanical Addendum No. 2.*

Q21. "Drawing M-404, Between Gridline 10/L, The 4" Glycol Supply and return line drop to floor below did not shown in the below level drawings M-403, M-402, M-401 AND M-400 rather they mention from central plant. Please advise where the central plant located? Which Level? Please show the full routing of 4" Glycol Supply and return line drom HRV-2 to the tie in point in the central plant."

A21. *The glycol lines are from central plant (level 4) to HRV-2 (Level 3 roof) and these lines will be provided by a separate project.*

Q22. "Drawing M-404, there is a mention of LEAP 2.0 drawing provided by others. We didn't find that drawings in the tender documents. Please provide the LEAP 2.0 drawing."

A22. *Disregard the note "Refer to LEAP 2.0 Drawing Provided by Others" on this drawing. Revised sheet to be issued at IFC.*

Q23. "As per Drawing M-603, there is AC-5 in Level-1 and AC-6 in Basement Level. However no AC is shown in Level 1 and AC-5 is shown in Basement Level. Please confirm Drawing Drawing M-603 is incorrect and will be revised."

A23. *Total 5 air conditioning units are required (see AC schedule & CU schedule on drawing M-700). For drawing M-603, the AC-5 in Room M203B is no longer required and AC-6 in Room 21E has been renamed as "AC-5," as part of Mechanical Addendum No. 2.*

Q24. "The Contract Documents indicate masonry construction for the elevator shaft walls. As an alternative, the Contractor proposes a 2-hour fire-rated gypsum shaft wall assembly consisting of:

4" or 6" CH shaft wall studs.

One layer of 1" shaftliner panel installed within the stud cavity.

Two layers of 5/8" Type X gypsum board applied to the corridor side of the shaft wall.

Optional 4" or 6" acoustical fire batt insulation within the cavity to improve acoustic performance.

Associated tracks, fasteners, firestopping, and sealants as required by the tested assembly.

The proposed shaft wall system is a UL/ULC tested assembly commonly used for elevator shafts, stair shafts, and service risers. The assembly is non-combustible and provides a 2-hour fire-resistance rating while achieving the same functional intent as the specified masonry shaft wall.

The proposed substitution offers the following advantages:

Reduces overall wall weight and structural loading.

Improves construction efficiency and installation schedule.

Simplifies coordination with elevator, electrical, and mechanical trades.

Maintains the required fire-resistance rating.

Provides enhanced sound attenuation when acoustical fire batt insulation is included.

Any required reinforcement for elevator guide rail brackets, door frames, divider beams, and other elevator equipment will be coordinated with the elevator supplier and provided where required.

The proposed assembly is intended to meet the fire-resistance, life-safety, and performance requirements of the Contract Documents while providing an equivalent alternative to masonry construction.

Please confirm if the proposed 2-hour rated shaft wall assembly may be accepted in lieu of the specified masonry elevator shaft walls.

Four attachments for review: afb-acoustical-fire-batts-steel-studs-brochure, sheetrock-glass-mat-liner-panels-data-sheet-en-WB2483-can, cgc-sheetrock-panels-firecode-x-submittal-en-ewb2964, Bailey Metal Shaft Wall."

A24. This substitution is not acceptable. The elevator masonry walls are utilized as structural supports for the existing slab edge after the hole is cut for the elevator shaft. The masonry walls are also used to support the elevator pit slab, as well as the new stair and surrounding slab on multiple levels.

Q25. "The SCs were last updated in May 2025 and contemplate the upcoming changes to the Construction Act (which were not in force as of May 2025). Those changes are now in force as of January 1. Does U of T an intention to update the SCs to reflect that the changes to the Construction Act are now in force? There are several parts of the SCs that contemplate the future changes, which are now effective."

A25. The University will amend the SGCs with the successful bidder. We will comply with the Construction Act updates.

Q26. "Please confirm the demolition scope. Are we required to perform full demolition, or is the scope limited to cutting, capping, and making services safe? If demolition is required, should existing ductwork be removed and dropped to the floor level?"

A26. We assume the question is making reference to the ductwork demolition scope. For the demolition scope refer to drawings M-200D, M-201D, M-202D, and M-203D for full details on the demolition of HVAC services. For the removal of the existing ductwork where noted, ductwork will need to be capped and removed as shown. The removal of the high-level ductwork will need to be safely removed and disposed of.

Q27. "As per Section 01 11 22 - Assignable Contracts, the Owner has already agreed cost for the required Dentistry Equipment. Please confirm if bidders are to include this cost within their base bid as the contract will be transferred to successful proponent after award. If not, please clarify how successful proponent will charge overhead and profit on this cost as we are to assume the contract after award."

A27. The bidders are to include this cost within their base bid. See revised contract value in Division 01 Section 01 11 22.

END OF ADDENDUM NO. 05