

**ADDENDUM NO.08: SECTION 00 91 08**

**1.0 GENERAL INSTRUCTIONS**

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

**UNIVERSITY OF TORONTO**  
**ROBARTS LIBRARY - 5TH FLOOR MAP & DATA LIBRARY**  
**PROJECT NUMBER P006-22-176**

- 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 Section 5.0 of 00 21 13 instruction to bidders Subsection 5.1  
Amend the Tender and Project Schedule as follows:

Issue Tender	<b>September 30<sup>th</sup>, 2024</b>
Mandatory Site Visit	<b>October 07<sup>th</sup>, 2024</b>
Deadline for Questions	<b>November 22<sup>nd</sup>, 2024</b>
Deadline for responses to questions	<b>November 25<sup>th</sup>, 2024</b>
Deadline for Issuing Addenda (except Addenda related to timetable changes)	<b>November 26<sup>th</sup> 25<sup>th</sup>, 2024</b>
Submission Deadline	<b>December 03<sup>rd</sup> November 29<sup>th</sup>, 2024</b>
Award	<b>December 2024</b>
Occupancy	<b>July 31<sup>st</sup>, 2025</b>
Substantial Performance of the Work	<b>July 15<sup>th</sup>, 2025</b>
Ready-for-Takeover	<b>July 31<sup>st</sup>, 2025</b>

- 2.2 Refer to BID FORM Section 00 41 13 delete and replace by attached BID FORM: Section 00 41 13 totalling 6 Pages
- 2.3 Refer to PRICE AND PAYMENT PROCEDURES Section 01 20 00 Sub Section 2.0 CASH ALLOWANCES, Sub Section 2.5 Add:

2.5.2 Removed and re-lamped existing light fixtures requiring replacement due to burnout:

- 2.5.2.1 Allowance for 40 existing light fixtures requiring replacement due to burnout to be removed and re-lamped with new luminaries. Clean lenses and fixtures from dust and debris. Replace all faulty ballasts. Include the sum of **\$10,000.00** allow \$250 per light for described scope of work. (\$10,000.00 total for 40 Lights)

2.5.2.2 Allowance for 50 Hours Security Guard for afterhours work if required by the project.  
Include the sum of **\$1,500.00** allow \$30 per Hour for afterhours Security Guard.  
(\$1,500.00 total for 50 Lights)

2.5.2.3. Allowance to provide connections between DPs and bus ducts.

All proposed connections associated with the cash allowance shall adhere to UofT F and S Electrical design standard and F and S requirements.  
The contractor will be responsible for providing drawings, specifications and any additional information required for F&S to review and approve the connection solution.  
Allow for all associated costs. Contractor will be required to provide unit pricing for each connection to be eligible to draw from the cash allowance.  
Include the sum of **\$50,000.00** for described scope of work.

2.4 Refer to CASH ALLOWANCES Section 01 21 13 Sub Section 1.0 GENERAL, Sub Section 1.2.3  
Delete and Replace as following:

1.2.3 An allowance for:

Provide \$86,500.00 as specified in Section 01 20 00 and shown on Drawings and specifications.

Allowance for reworking of conduit, associated junction boxes and other electrical devices in the Digital Lounge and Corridor ceiling required for installation of L7 light fixtures. .... \$25,000.00

Allowance for 40 existing light fixtures requiring replacement due to burnout to be removed and re-lamped with new luminaries. Clean lenses and fixtures from dust and debris. Replace all faulty ballasts. Allow \$250 per light for described scope of work.  
(\$10,000.00 total for 40 Lights) ..... \$10,000.00

Allowance for 50 Hours Security Guard for afterhours work if required by the project.  
Allow \$30 per Hour for afterhours Security Guard.  
(\$1,500.00 total for 50 Hours) ..... \$1,500.00

Allowance to provide connections between DPs and bus ducts.

All proposed connections associated with the cash allowance shall adhere to UofT's F&S Electrical design standard and F&S requirements.  
The contractor will be responsible for providing drawings, specifications and any additional information required for F&S to review and approve the connection solution.  
Allow for all associated costs. Contractor will be required to provide unit pricing for each connection to be eligible to draw from the cash allowance.  
Include the sum of \$50,000.00 ..... \$50,000.00

**Total Stipulated Sum Cash Allowances ..... \$86,500.00**

2.5 Refer to PROCUREMENT FORM SUPPLEMENTS: SECTION 00 43 00 Sub Section 52.0 UNIT PRICES, Replace Sub Section 52.3 as following:

**52.0 UNIT PRICES**

52.3 The Unit Prices for the Work of the Contract shall be used for either an addition to (extra) or as a deduction from (credit) the Contract Price for the duration of the Contract are as follows;

ITEM OF WORK	EXTRA PRICE	CREDIT PRICE
Cutting and trenching within existing concrete Slab, Provide Price including all material and labour for 1 linear meter of 100mm in width by 76mm depth trenches complete with concrete topping infill and new electrical conduit installation.	\$ _____	\$ _____
Refinishing of existing wood finishes – 1 square meter	\$ _____	\$ _____
Interior wall painting – 1 square meter	\$ _____	\$ _____
Provide connections between DPs and bus ducts. All proposed connections associated with Cash Allowance # 4 shall adhere to UofT F+S Electrical requirements. The contractor will be responsible for providing drawings, specifications and any additional information required for F&S to review and approve the connection solution. Contractor to provide unit pricing for each connection to be eligible to draw from the cash allowance.	\$ _____	\$ _____

**3.0 ADDENDUM SUMMARY**

3.1 Refer to accompanying ELECTRICAL ADDENDUM E-04 dated 25 November 2024 totalling 3 pages for additions, deletions, or revisions.

**4.0 DRAWING CHANGES**

4.1 Refer to accompanying ELECTRICAL ADDENDUM E-04 Drawing dated 25 November 2024 and totalling 3 pages for additions, deletions, or revisions.

**5.0 BIDDERS' QUESTIONS**

5.1 Refer to the following Bidders' questions, and Consultant's Answers:

Q80. "Equal Alternative Demountable Partition

As per the below Addendum#6 A65, we would like to resubmit our RFI for substitution of the Bridge wall single glazed system for Moodwall P3 and Substitution of the Bridgewall Double glazed for the Moodwall P4."

*A80. Moodwall P3 is an acceptable alternate to Bridgewall single-glazed. Moodwall P4 is an acceptable alternate to Bridgewall double glazed.*

Q81. "Existing Hoarding

Please confirm existing hoarding will be removed by client."

*A81. Existing hoarding to be removed by client. Refer to A060 for scope of work to be performed after hoarding removal. The scope to be performed after hoarding removal may also include work related to millwork and FF&E electrical connections that the existing hoarding will conflict with. Contractor to coordinate sequencing as required. Contractor to provide minimum 2 weeks' notice for the required hoarding removal date to avoid impacting the construction schedule.*

Q82. Additional mobilization

Please confirm that the Abatement trade will include additional mobilizations on-site to remove and dispose of the remaining flooring material and grind the floor once the existing hoarding is removed by owner."

*A82. Confirmed.*

Q83. MT-3

Please confirm the thickness of the MT-3 light fixture shroud. Our subtrades have raised concerns that its weight may be significant enough to require additional mechanical fasteners and structural reinforcements."

*A83. MT-3 to be 6mm aluminium as per 11/A903 and A020.*

Q84. Window Film - Clarification

There are discrepancies between the specified GF-2 in the specifications and the drawings. Please advise which one takes precedence."

*A84. Refer to A020, provide GF-2 as per material schedule and glazed screen elevations. Specifications refer to architectural drawings, we do not see any discrepancies.*

Q85. L7

---

Please confirm the plexiglass cover for L7 to be S&I by electrical sub"

A85. *L7 does not require a plexiglass cover. Refer to L7 details on A903.*

Q86. Floor Grinding

Please confirm that the floor grinding requested in Q/A 26 of Addendum 01 shall be performed by the pre-qualified abatement vendor, as outlined in item 2.5 of the Abatement Scope DSSR."

A86. *Confirmed*

Q87. L5

Please provide specs for relamp of L5."

A87. *Provide 1400 lumens, 3500K, PAR 38/FL, 40-degree beam angle, medium base E26 replacement luminaire. Satco or equivalent.*

Q88. Lighting Controls

Please confirm Lighting Control: As per drawing TE-0.6, Quantum Lighting Management system dedicated server provided by others."

A88. *Confirmed.*

Q89.

1. SP-2 states to provide a new breaker type disconnect which we interpret as bus plugs along with a custom disconnect enclosure to maintain connection point on existing bus duct for DP Panels. It also states that existing bus extension and lugs are to be maintained. In addition to the note, there is a picture provided which corresponds to this note. The entire statement and picture are unclear to us and we are not sure what the intention is. As we had previously pointed out, the entire run of bus duct is feeder type, not plug-in. Due to this, we cannot take the typical approach of supplying a standard bus plug that can plug into the bus duct run. To reiterate, we will be proceeding to quote this job based on the following approach – We will provide a bolt on plug-in box which will need to be bolted on at the joint assembly of the existing bus duct run. This plug-in box will allow for a new 400A bus plug to be installed. The contractor will be responsible for removing the cover at the joint assembly, install the bolt on box and torque it into place. Once installed, the contractor can install the bus plug. This solution will only work if there is a joint assembly at the exact location where the customer wishes to install a new bus plug. If a joint assembly is not present at the desired location, or if the joint assembly is already being utilized for connection to another load such as an existing DP panel, our proposed solution will NOT work. The contractor will have to field verify if a joint assembly is present at the desired location or not and determine the overall feasibility of this solution"

A89. *Refer to accompanying ELECTRICAL ADDENDUM E-04*

Q90. Feeder breakers

There are multiple existing panels that require new feeder breakers to be added to them. Addendum 6 provided pictures of the existing panel and most of them were confirmed to be Westinghouse panels. Please note, we no longer provide aftermarket support for Westinghouse type panels. As such, we cannot provide new breakers for these Westinghouse panels. The only alternative we can provide is to retrofit the existing panels with a completely new interior. However, in order to proceed with that we would require more detailed information such as pictures of the existing panel, breaker counts, dimensions of the existing tub, etc. If the retrofit option is not going to be considered, we will NOT be able to account for any new breakers for the existing panels and will have to take exception to that portion of the job"

A90. *Refer to accompanying ELECTRICAL ADDENDUM E-04*

Q91. Itemized Price

Please confirm that all requested electrical itemized prices (No. 1 to 4) are indeed alternate prices, as they do not correspond to any specific work identified in the electrical drawings."

A91. *An Itemized Price is the Bidder's price for a specific item of Work included in the Contract Price and is provided by the bidder for information purposes only. It is not an alternate price. The requested electrical itemized prices (1-4) will be used by owner and consultants in evaluating claims to draw from the cash allowance for reworking of conduit, associated junction boxes and other electrical devices in the Digital Lounge and Corridor ceiling required for installation of L7 light fixtures.*

Q92. Additional Site Visit

Please advise if an additional site visit can be arranged for subcontractors."

A92. *No additional site visit will be provided.*

Q93. 1. SP-2 states to provide a new breaker type disconnect which we interpret as bus plugs along with a custom disconnect enclosure to maintain connection point on existing bus duct for DP Panels. It also states that existing bus extension and lugs are to be maintained. In addition to the note, there is a picture provided which corresponds to this note. The entire statement and picture are unclear to us and we are not sure what the intention is. As we had previously pointed out, the entire run of bus duct is feeder type, not plug-in. Due to this, we cannot take the typical approach of supplying a standard bus plug that can plug into the bus duct run. To reiterate, we will be proceeding to quote this job based on the following approach – We will provide a bolt on plug-in box which will need to be bolted on at the joint assembly of the existing bus duct run. This plug-in box will allow for a new 400A bus plug to be installed. The contractor will be responsible for removing

the cover at the joint assembly, install the bolt on box and torque it into place. Once installed, the contractor can install the bus plug. This solution will only work if there is a joint assembly at the exact location where the customer wishes to install a new bus plug. If a joint assembly is not present at the desired location, or if the joint assembly is already being utilized for connection to another load such as an existing DP panel, our proposed solution will NOT work. The contractor will have to field verify if a joint assembly is present at the desired location or not and determine the overall feasibility of this solution

2. Electrical addendum 3 includes new sub-metering scope of work. Specifically, SP-3 along with the new metering spec specify a sub-metering system from Schneider Electric and references Langford. Please be advised, ALL scope of work pertaining to the Schneider sub-metering system including supply of CT's/PT's, digital meters, integration into any existing software, etc. will need to be done by Langford. We will NOT be including anything to do with the sub-metering system and any new digital meters will have to be mounted external to the new Eaton equipment. We will NOT include for any provision to install meters in our equipment

3. There are multiple existing panels that require new feeder breakers to be added to them. Addendum 6 provided pictures of the existing panel and most of them were confirmed to be Westinghouse panels. Please note, we no longer provide aftermarket support for Westinghouse type panels. As such, we cannot provide new breakers for these Westinghouse panels. The only alternative we can provide is to retrofit the existing panels with a complete new interior. However, in order to proceed with that we would require more detailed information such as pictures of the existing panel, breaker counts, dimensions of the existing tub, etc. If the retrofit option is not going to be considered, we will NOT be able to account for any new breakers for the existing panels and will have to take exception to that portion of the job"

A93. *For Questions 1&3 Refer to accompanying ELECTRICAL ADDENDUM E-04.*

*For Question 2 It is acceptable for different suppliers to provide the metering scope as long as the entirety of the specified scope is provided. Contractor to coordinate between suppliers as required.*

Q94. We've received communication from our vendors stating that the last electrical addendum didn't deal with the concerns of the manufacturer in a clear way. Assuming that there will be further clarification provided in an upcoming addendum, we would like to respectfully ask for an extension to the due date for this project to the week of December 9th, 2024. The cost implications for this component are considerable and we find the extra time requested by the electrical suppliers and their vendors to properly deal with and resolve this uncertainty fair and reasonable. Kindly advise if this request can be accommodated at this time."

A94. *No other extension to the Bid timeline will be provided.*

Q95. Bid Form

Please provide a revised bid form to reflect the most recent project dates and the missing unit prices."

A95. *Refer to Addendum 08 (Attached).*

Q96. Electrical

Addendum E-03 indicates on drawing TE-0.7 Panel 006-NLP-05-04-AA, Panel 006-NLP-05-04-BA, Panel 006-NLP-05-04-CA are new but on Drawing TE-0.3 single line diagram it indicates existing. Are we replacing the existing with new?"

*A96. Existing panels 006-NLP-05-04-AA, 006-NLP-05-04-BA, 006-NLP-05-04-CA to remain. Provide new labels as noted on TE-0.3. View titles on TE-0.7 will be adjusted.*

Q97. Floor Levelling Thickness

As per Q&A 22, floor levelling will be required for the entire project area. Could you please advise on the necessary levelling thickness?"

*A97. Allow for floor levelling thickness to meet floor plumbness tolerances required by 09 68 00, 09 22 00, and the demountable partitions manufacturer. We cannot advise on exact thickness required prior to demolition of existing floor finishes.*

Q98. Specs

Please provide specs section 01 25 00"

*A98. Please refer to 01 60 00 for all substitution procedures. All references to 01 25 00 will be revised to 01 60 00 for IFC issuance.*

Q99. Electrical distribution

1. The electrical manufacturers, vendors, suppliers and trades' lead letters are heavily qualified, stating that "they reserve the right to upcharge" due to the uncertainties associated with the electrical distribution. Would you consider a larger contingency to cover potential unforeseen costs associated with the electrical distribution?

2. Please see the following below from the manufacturer of the electrical distribution equipment What will the client propose to do if the joint assembly is not in the exact location the client desires? "Solution will only work if there is a joint assembly at the exact location where the customer wishes to install a new bus plug""

A99.

*A99-1 Refer to the upcoming electrical addendum. A cash allowance will be introduced to capture the DP to bus duct connection scope to mitigate the unknown electrical distribution conditions.*

*A99-2 The proposed solution is not bus plug style. We are proposing re-using existing connection point complete with a custom disconnect solution. Bus plug solution is also acceptable, if feasible to install and compliant with UofT F&S electrical design standards. Refer to the upcoming electrical addendum.*

**END OF ADDENDUM NO. 08**