

ADDENDUM A-03

To:	Mohammad Ashjaei, Project Manager, Project Management University Planning, Design & Construction Operations & Real Estate Partnerships, University of Toronto	Project Name:	Robarts 5 th Floor MDL
		Project Number:	P006-22-176
		Project Address:	130 St George Street, Toronto, Ontario M5S 1A5
		Owner:	University of Toronto
		No. of pages:	5 (including # pages of attachments)
Date:	2024-10-25	Addendum No:	A-03

The following information supplements and/or supersedes the bid documents issued on **October 25, 2024**. This Addendum forms part of the contract documents and is to be read, interpreted and coordinated with all other parts. The cost of all contained herein is to be included in the Contract Price. The following revisions supersede the information in the original drawings and specifications issued for the above named project to the extent referenced and shall become part thereof. Acknowledge receipt of this Addendum by inserting its number and date on the Tender Form. Failure to do so may subject Bidder to disqualification.

1.0 Clarifications

None.

2.0 Modifications to Specifications or Schedules

2.1 Refer to the attached Electrical Addendum E02.

3.0 Modifications to Drawings

3.1 Refer to the attached Electrical Addendum E02.

4.0 Attachments

4.1. Electrical Addendum E02.

End of Addendum No: A-03

ADDENDUM

PROJECT NAME: Robarts 5th Floor MDL Renovation

COMPANY: Superkül Architects

ATTENTION: William Elsworthy

PROJECT NO.: 08086.009.E.001

DATE: 2024-10-25

ADDENDUM NO.: E-02

ISSUED BY: Komal Bharti

The following amendments are hereby made as part of the Contract Documents. The following revisions and/or additions shall be made to contract documents and the cost shall be included in the Tender Price.

1.0 DRAWINGS

1.1 Refer to TE-0.1 ELECTRICAL DETAILS (not included)

1.1.1 Revise drawing list to add sheet TE-0.7

1.2 Refer to TE-0.4 ELECTRICAL DETAILS (not included)

1.2.1 Rename panel 006 ELP-05-02-BA to 006-ELP-05-02-FB in accordance with SLD, as shown.

1.2.2 Provide schedule for panel 006-NLP-05-02-AA as shown.

1.3 Refer to TE-0.6 ELECTRICAL DETAILS (not included)

1.3.1 Provide Lutron Quantum system detail in lieu of Athena system as shown.

1.4 Refer to TE-0.7 ELECTRICAL DETAILS (not included)

1.4.1 Provide schedule for panels 006-NLP-05-02-CA, 006-ELP-05-02-FA, and 006-ELP-05-02-FC as shown.

2.0 Clarification

2.1.1 Client Request

END OF ELECTRICAL ADDENDUM

10 NEW PANEL 006-NLP-05-02-BA
TE-24 N.T.S.

7 NEW PANEL 006-NDP-05-02-CA
TE-0.4 N.T.S.

4
E-04

EXISTING 006-NDP-05-02-BA
N.T.S.

1
E-14

EXISTING PANEL 006-NDP-05-02-AA
N.T.S.

8 NEW PANEL 006-NRP-05-02-CA
TE-0,4 N.T.S.

5 NEW PANEL 006-NRP-05-02-BA
E-04 N.T.S.

2 NEW PANEL 006-NRP-05-02-AA
E-84 N.T.S.

12 NEW PANEL 006-NLP-05-02-AA
TE-4 N.T.S.

9 NEW PANEL 006-NRP-05-02-CB
TE-04 N.T.S.

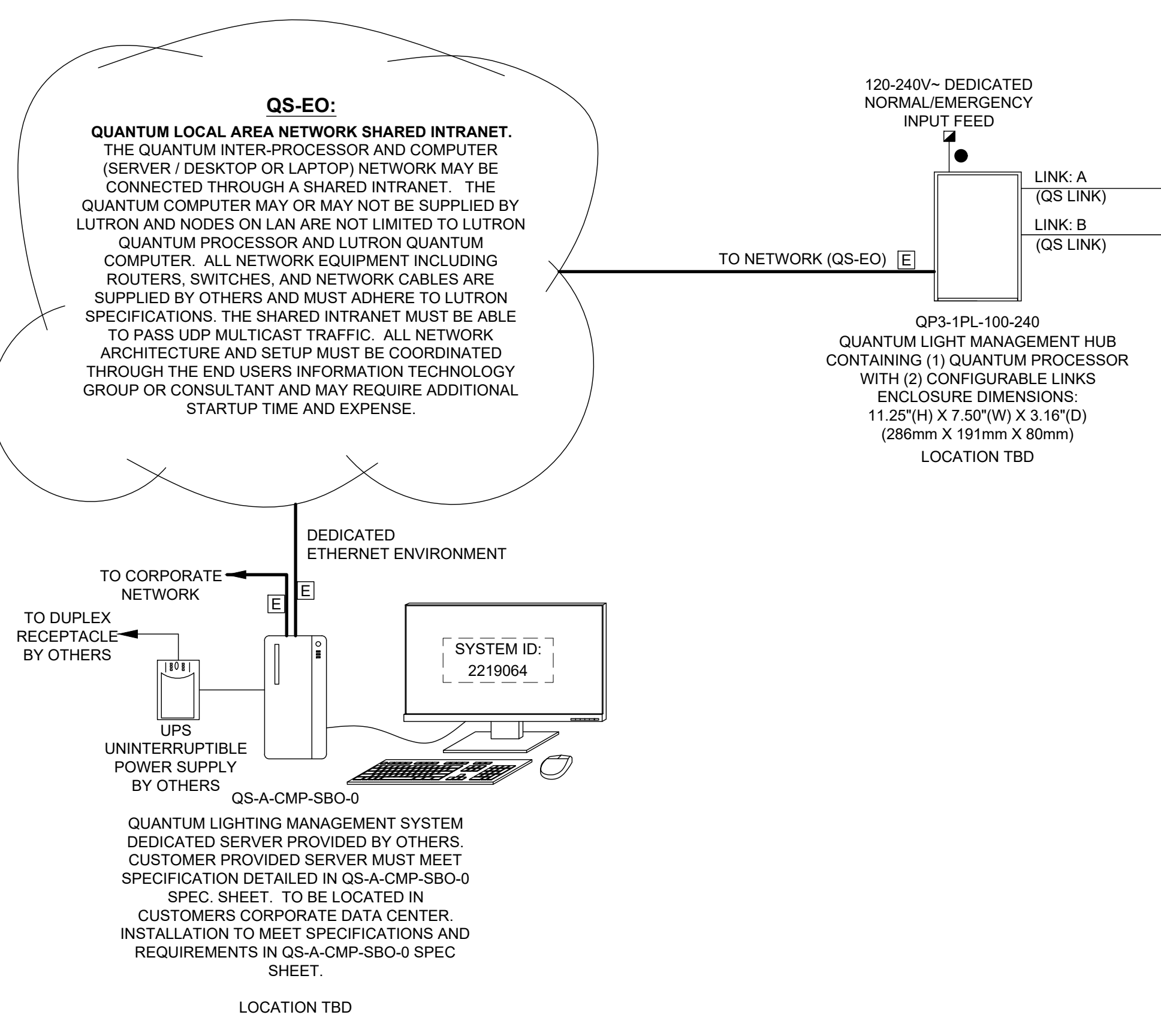
NEW PANEL 006-NRP-05-02-BB
N.T.S.

3 NEW PANEL 006-NRP-05-02-AB
E-84 N.T.S.

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EXPENSES INCLUDING LEGAL FEES), DAMAGES OR RECOVERIES (INCLUDING ANY AMOUNTS PAID IN SETTLEMENT) ARISING BY REASON OF, CAUSED, OR ALLEGED TO BE CAUSED, BY THE USER'S RELIANCE ON THIS ELECTRONIC DOCUMENT.



5TH FLOOR ATHENA CONCEPT

WIRING LEGEND:

△ QS CONTROL LINK (SEE WIRE DESCRIPTION BELOW)
▲ QS CONTROL LINK (SEE WIRE DESCRIPTION BELOW)
QS WIRING AS REQUIRED BY CONTROL LINK LENGTH (REFER TO QS SMART PANEL POWER SUPPLY WIRING GUIDE FOR SHADE WIRING NOTES).

TOTAL CONTROL LINK LENGTH	WIRE GAUGE	AVAILABLE FROM LUTRON IN ONE CABLE:
LESS THAN 500' (152.4 m)	POWER (TERMINALS 1&2) 1 PAIR 12 AWG (0.5 mm²) DATA (TERMINALS 3&4) 1 PAIR 22 AWG (0.33 mm²) TWISTED AND SHIELDED	GRX-CBL-346S (NON-PLENUM) OR GRX-PCL-346S (PLENUM)
500' (152.4 m) TO 2,000' (610 m)	POWER (TERMINALS 1&2) 1 PAIR 12 AWG (0.5 mm²) DATA (TERMINALS 3&4) 1 PAIR 22 AWG (0.33 mm²) TWISTED AND SHIELDED	GRX-CBL-46L (NON-PLENUM) OR GRX-PCL-46L (PLENUM)

*ALTERNATE DATA-ONLY CABLE: USE APPROVED DATA LINK CABLE (22 AWG 0.5 mm²) TWISTED/SHIELDED FROM BELDEN (MODEL # 9491).
**TOTAL LENGTH OF THE QS LINK MUST NOT EXCEED 2,000 ft (600 m).

INPUT POWER (NORMAL-EMERGENCY)	CLEAR CONNECT - TYPE A WIRELESS SIGNAL
INPUT POWER (NORMAL)	CLEAR CONNECT - TYPE A 2-WAY WIRELESS SIGNAL
2 #12AWG (4 mm²)	
3 #12AWG (4 mm²)	
0-10V SIGNAL: 2 #18AWG (1.0 mm²)	CAT5e OR BETTER CABLE FOR LUTRON NETWORK. TERMINATED WITH RJ45 CONNECTORS. 328 ft (100 m) MAXIMUM RUN.
CONTACT CLOSURE SIGNAL: 2 #18AWG (1.0 mm²)	POWER OVER ETHERNET (POE) ETHERNET LINK. CAT5e OR BETTER CABLE FOR LUTRON NETWORK. TERMINATED WITH RJ45 CONNECTORS. 328 ft (100 m) MAXIMUM RUN.
CONTACT CLOSURE SIGNAL: 3 #18AWG (1.0 mm²)	TEMPORARY ETHERNET CONNECTION - CAT5e OR BETTER CABLE FOR LUTRON NETWORK. TERMINATED WITH RJ45 CONNECTORS. 328 ft (100 m) MAXIMUM RUN.

WIRING NOTES:

- ATHENA QS LINK RULES**
THE FOLLOWING LINK RULES MUST BE OBSERVED FOR PROPER OPERATION:
- THIS IS A TOPOLOGY-FREE LINK (T-TAP, HOME-RUN, ETC. IS OK); REFER TO TABLE IN WIRING LEGEND FOR WIRE RUN LIMITS.
 - IF WIRING DIFFERENTLY THAN WHAT IS SHOWN, POWER DRAW UNIT REQUIREMENTS NEED TO BE CONFIRMED. SEE POWER DRAW UNITS (PDUs) SPECIFICATION SHEET.
 - FOR LINE EDGE PROCESSORS (QPS-IL, POE & QPS-IL, POE) PER LINK LIMITS ARE:
 - MAXIMUM OF 512 SWITCHLESS (DIMMED/SWITCHED) OUTPUTS, DIGITALLY ADDRESSABLE DEVICES, A SINGLE DMX CHANNEL, CONTACT CLOSURE OUTPUTS, SHADE DRIVERS.
 - MAXIMUM OF 100 OCCUPANCY SENSORS, 100 DAYLIGHT SENSORS, AND 100 KEYPADS.
 - MAXIMUM OF 100 QS DEVICES (SUCH AS A SET/OUTLET QS KEYPAD, SMART PANEL, POWER SUPPLY (QSPS-10P/L), ESN, OR QS SHADE / DRAPERY DRIVE UNIT). EDGE PROCESSOR COUNTS AS 1 DEVICE PER LINK.
 - MAXIMUM OF 100 ZONES - SUCH AS A QS SHADE / DRAPERY DRIVE UNIT. EDGE PROCESSOR COUNTS AS 1 DEVICE PER LINK.
 - THE 10 OUTPUTS ON A QSPS-10P/L CANNOT EXCEED A COMBINED LENGTH OF 2,000 ft (600 m).
 - FOR LINE EDGE PROCESSORS (QPS-IL, POE & QPS-IL, POE) PER LINK LIMITS ARE:
 - MAXIMUM OF 256 SWITCHLESS (DIMMED/SWITCHED) OUTPUTS, DIGITALLY ADDRESSABLE DEVICES, A SINGLE DMX CHANNEL, CONTACT CLOSURE OUTPUTS, SHADE DRIVERS.
 - MAXIMUM OF 50 OCCUPANCY SENSORS, 50 DAYLIGHT SENSORS, & 50 WALL CONTROLS.
 - MAXIMUM OF 25 QS DEVICES (SUCH AS A SET/OUTLET QS KEYPAD, SMART PANEL, POWER SUPPLY (QSPS-10P/L), ESN, OR QS SHADE / DRAPERY DRIVE UNIT). EDGE PROCESSOR COUNTS AS 1 DEVICE PER LINK.
 - MAXIMUM OF 100 ZONES - SUCH AS A QS SHADE / DRAPERY DRIVE UNIT. EDGE PROCESSOR COUNTS AS 1 DEVICE PER LINK.
 - THE 10 OUTPUTS ON A QSPS-10P/L CANNOT EXCEED A COMBINED LENGTH OF 2,000 ft (600 m).

- ATHENA SYSTEM ETHERNET LINK**
CAT5e OR BETTER ETHERNET CABLE TO BE RUN FOR SYSTEM ETHERNET LINK. TERMINATED WITH RJ45 CONNECTORS. SYSTEM ETHERNET LINK WIRING USES A STANDARD ETHERNET CONNECTION. ALL WIRING MUST COMPLY WITH IEEE 802.3 STANDARDS. TOTAL LENGTH OF ETHERNET CABLE SHALL NOT EXCEED 328 FT (100M) POINT-TO-POINT. THIS APPLIES FOR INTERPROCESSOR COMMUNICATION AND COMMUNICATION LINES TO LUTRON ATHENA CLEAR CONNECT - TYPE X GATEWAYS. USE LUTRON'S QPOE-PL OR UNMANAGED ETHERNET SWITCHES FOR LONGER DISTANCES. LUTRON ATHENA CLEAR CONNECT - TYPE X GATEWAYS MUST BE CONNECTED TO A POE CAPABLE SWITCH THAT MEETS IEEE 802.3ab-2003 OR 802.3az-2009 REQUIREMENTS.
- PROCESSORS CANNOT BE DASH CHAINED. DO NOT DASH CHAIN PROCESSORS USING THE SECOND ETHERNET PORT. THE SECOND ETHERNET CONNECTION IS USED FOR SERVICE DIAGNOSTICS ONLY. EACH PROCESSOR MUST BE CONNECTED TO AN ETHERNET SWITCH.
- MAXIMUM OF (16) ATHENA EDGE PROCESSORS & CLEAR CONNECT - TYPE X GATEWAYS MAY BE CONNECTED AS A SINGLE ATHENA SYSTEM.

EMERGENCY SPECIFICATION TEMPLATE

- ELECTRICAL ENGINEER TO DETERMINE EMERGENCY LIGHTING REQUIREMENTS BELOW.**
NOTE: CHECK ALL APPLICABLE OPTIONS.
- STEP 1: PLEASE CHECK ONE:**
☒ LUTRON TO PROVIDE EMERGENCY LIGHTING EQUIPMENT. (PROCEED TO STEP 2)
☐ EMERGENCY LIGHTING PER OTHERS (LUTRON SHALL NOT PROVIDE EMERGENCY LIGHTING EQUIPMENT). (DO NOT PROCEED TO STEP 2)
☐ EMERGENCY LIGHTING FROM BATTERY PACKS SUPPLIED WITH FIXTURES.
☐ CONTRACTOR TO PROVIDE UL924 LISTED EM TRANSFER RELAYS - FOR BEST PERFORMANCE, LUT-18 RELAYS ARE RECOMMENDED.
☐ EMERGENCY LIGHTING FIXTURES NOT CONNECTED TO LUTRON SYSTEM.
- STEP 2: PLEASE CONFIRM EMERGENCY POWER SOURCE DETAILS. CHECK ALL THAT APPLY.**
☐ EMERGENCY LIGHTING FIXTURES WILL HAVE POWER INTERRUPTED DURING TRANSFER FROM NORMAL SOURCE TO EMERGENCY SOURCE, SUCH AS GENERATOR.
☐ LUTRON TO SPECIFY (NOT PROVIDE) EMERGENCY INVERTER FOR SYSTEM PERFORMANCE.
☐ EMERGENCY LIGHTING FIXTURES WILL HAVE UNINTERRUPTED TRANSITION FROM NORMAL SOURCE TO EMERGENCY SOURCE, SUCH AS A LIGHTING INVERTER.
- STEP 3: DOES LUTRON NEED TO PROVIDE OVERRIDE & LOCKOUT INTEGRATION BEYOND EMERGENCY LIGHTING, SUCH AS FIRE ALARM CONTROL PANEL INTEGRATION, SECURITY ALARM INTEGRATION, ETC.?**
☐ YES (PROCEED TO STEP 4)
☐ NO (PROCEED TO STEP 7)
- STEP 4: LUTRON LIGHTING CONTROL SYSTEM SHALL INTEGRATE WITH THE FOLLOWING SYSTEMS (CHECK ALL THAT APPLY):**
☐ FIRE ALARM CONTROL PANEL (FACP) INTEGRATION
☐ SECURITY SYSTEM ALARM INTEGRATION
☐ OTHER, PLEASE DEFINE:
☐ OTHER, PLEASE DEFINE:
☐ OTHER, PLEASE DEFINE:
- STEP 5: THE FOLLOWING LIGHTING SHALL RESPOND TO THE OVERRIDE & LOCKOUT INTEGRATION REQUEST:**
☐ EMERGENCY LIGHTING
☐ NON-EMERGENCY (NORMAL) LIGHTING
- STEP 6: PLEASE SELECT DEFAULT OR CUSTOM SEQUENCE OF OPERATIONS.**
☐ [DEFAULT] BOTH EMERGENCY LIGHTING AND OVERRIDE & LOCKOUT INTEGRATIONS SHALL RESPOND WITH 100% LIGHTING OUTPUT.
☐ [CUSTOM] PLEASE CHECK THE BOX FOR STEP 7 AND PROVIDE APPROPRIATE DETAILS.
- STEP 7:**
☐ THE ABOVE TEMPLATE DOES NOT ADDRESS THE REQUIREMENTS OF THE PROJECT. PLEASE SEE DOCUMENTARY REFERENCE BELOW FOR DETAILS ON PROJECT REQUIREMENTS. EMERGENCY AND OVERRIDE & LOCKOUT DETAILS CAN BE FOUND HERE:

CONCEPT DRAWING NOTES:
CONTROL SYSTEM DRAWING IS PROVIDED FOR CONCEPTUAL PURPOSES ONLY AND IS NOT INTENDED FOR CONSTRUCTION. EXACT EQUIPMENT REQUIREMENTS, INCLUDING LOCATIONS AND QUANTITIES, SHOULD BE VERIFIED IN ACCORDANCE WITH THE MOST UP-TO-DATE LIGHTING/ELECTRICAL REFLECTED CEILING PLANS, LIGHTING FIXTURE SCHEDULES, PANEL SCHEDULES, CONTROL INTENT AND SPECIFICATIONS. SHADE EQUIPMENT SHOULD BE VERIFIED IN ACCORDANCE WITH ARCHITECTURAL PLANS, SPECIFICATIONS AND WINDOW SCHEDULES/DETAILS.

LED DIMMING REQUIRES AN EXACT MATCH BETWEEN THE LED ARRAY, DRIVER AND CONTROL. LUTRON CANNOT GUARANTEE COMPATIBILITY OR PERFORMANCE WITHOUT TESTING THIS COMBINATION.

TO CONFIRM WHAT PRODUCTS LUTRON HAS AVAILABLE OR WHAT INTERFACES MAY BE REQUIRED, CALL 1-877-DIM-LEDS OR CHECK LUTRON'S PRODUCT COMPATIBILITY MATRIX ONLINE AT WWW.LUTRON.COM/LED.

TO REQUEST THE TESTING OF AN LED PRODUCT BY LUTRON MANUFACTURERS CAN FILL OUT AN LED EVALUATION REQUEST FORM ONLINE AT WWW.LUTRON.COM/LED OR CONTACT LUTRON@LUTRON.COM.

LUTRON CAN GUARANTEE COMPATIBILITY AND PERFORMANCE OF LUTRON H-LUME A-SERIES LED DRIVERS USED WITH APPROPRIATE LUTRON CONTROLS. THE H-LUME A-SERIES LED DRIVER CAN BE USED ON PRODUCTS UNDER 40 WATTS WITH SUITABLE MOUNTING LOCATIONS. PLEASE REFER TO THE SPECIFICATION SUBMITTAL SHEET FOR FURTHER INFORMATION.

IF USING UNTESTED, NON-LUTRON LED DRIVERS REQUIRING 0-10V CONTROL, PERFORMANCE AND COMPATIBILITY CANNOT BE GUARANTEED BY LUTRON. PRODUCTS FOLLOWING THE IEC STANDARD 60929 ARE MORE LIKELY TO PROVIDE ACCEPTABLE PERFORMANCE RESULTS. DETERMINATION OF RESULT ACCEPTABILITY IS UP TO THE USER'S DISCRETION.

IF USING UNTESTED, NON-LUTRON LED DRIVERS REQUIRING PHASE CONTROL, PERFORMANCE AND COMPATIBILITY CANNOT BE GUARANTEED BY LUTRON. A-SERIES OR E-LV PRODUCTS PROVIDING HIGH END AND LOW END TRIM ADJUSTMENTS ARE MORE LIKELY TO PROVIDE ACCEPTABLE PERFORMANCE RESULTS. DETERMINATION OF RESULT ACCEPTABILITY IS UP TO THE USER'S DISCRETION.

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Prior to commencement of the Work the contractor shall verify all drawing dimensions, datum, and levels with the Contract documents and with the conditions on site; ascertain and discrepancies between the site and the contract documents, and bring these items to the attention of the consultant for clarification.

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PROJECT CONTACT			
NAME:	Chris Zapp		
TEL:	647 288 5479		
EMAIL:	Chris.Zapp@smithandandersen.com		

THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ELECTRICAL SPECIFICATION SUBMITTED FOR THIS PROJECT.

Smith + Andersen
1109 - 100 Sheppard Ave. East, Toronto, Ont. M2H 6K5
416 497 9101 • 416 497 9104 • smithandandersen.com

No. Date Issue/Revision

Robarts 5th Floor MDL Renovation

Title: ELECTRICAL DETAILS

Project: No.08086.000 (MEAYD) Scale: N.T.S.
Drawing No.

TE-0.6

PANEL TAG				DATE MODIFIED: 5/21/2024					
CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL LOAD (W)	DESCRIPTION (Item, Room Number(s))	REQ # (W)	CT (REQ #)	DESCRIPTION (Item, Room Number(s))	CONNECTED LOAD (W)	DEMAND FACTOR	TOTAL LOAD (W)
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0		0	SPACE	15	2	SPACE	0		0
0		0	SPACE	15	3	SPACE	0		0
0		0	SPACE	15	4	SPACE	0		0
0		0	SPACE	15	5	SPACE	0		0
0		0	SPACE	15	6	SPACE	0		0
0		0	SPACE	15	7	SPACE	0		0
0		0	SPACE	15	8	SPACE	0		0
0		0	SPACE	15	9	SPACE	0		0
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0		0	SPACE	15	11	SPACE	0		0
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0		0	SPACE	15	130	SPACE	0		0
0		0	SPACE	15	131	SPACE	0		0
0		0	SPACE	15	132	SPACE	0		0
0		0	SPACE	15	133	SPACE	0		0
0		0	SPACE	15	134	SPACE	0		0
0		0	SPACE	15	135	SPACE	0		0
0		0	SPACE	15	136	SPACE	0		0
0		0	SPACE	15	137	SPACE	0		0
0		0	SPACE	15	138	SPACE	0		0
0		0	SPACE	15	139	SPACE	0		0
0		0	SPACE	15	140	SPACE	0		0
0		0	SPACE	15	141	SPACE	0		0
0		0	SPACE	15	142	SPACE	0		0
0		0	SPACE	15	143	SPACE	0		0
0		0	SPACE	15	144	SPACE	0		0
0		0	SPACE	15	145	SPACE	0		0
0		0	SPACE	15	146	SPACE	0		0
0		0	SPACE	15	147	SPACE	0		0
0		0	SPACE	15	148	SPACE	0		0
0		0	SPACE	15	149	SPACE	0		0
0		0	SPACE	15	150	SPACE	0		0
0		0	SPACE	15	151	SPACE	0		0
0		0	SPACE	15	152	SPACE	0		0
0		0	SPACE	15	153	SPACE	0		0
0		0	SPACE	15	154	SPACE	0		0
0		0	SPACE	15	155	SPACE	0		0
0		0	SPACE	15	156	SPACE	0		0
0		0	SPACE	15	157	SPACE	0		0
0		0	SPACE	15	158	SPACE	0		0
0		0	SPACE	15	159	SPACE	0		0
0		0	SPACE	15	160	SPACE	0		0
0		0	SPACE	15	161	SPACE	0		0
0		0	SPACE	15	162	SPACE	0		0
0		0	SPACE	15	163	SPACE	0		0
0		0	SPACE	15	164	SPACE	0		0
0		0	SPACE	15	165	SPACE	0		0
0		0	SPACE	15	166	SPACE	0		0
0		0	SPACE	15	167	SPACE	0		0
0		0	SPACE	15	168	SPACE	0		0
0		0	SPACE	15	169	SPACE	0		0
0		0	SPACE	15	170	SPACE	0		0
0		0	SPACE	15	171	SPACE	0		0
0		0	SPACE	15	172	SPACE	0		0
0		0	SPACE	15	173	SPACE	0		0
0		0	SPACE	15	174	SPACE	0		0
0		0	SPACE	15	175	SPACE	0		0
0		0	SPACE	15	176	SPACE	0		0
0		0	SPACE	15	177	SPACE	0		0
0		0	SPACE	15	178	SPACE	0		0
0		0	SPACE	15	179	SPACE	0		0
0		0	SPACE	15	180	SPACE	0		0
0		0	SPACE	15	181	SPACE	0		0
0		0	SPACE	15	182	SPACE	0		0
0		0	SPACE	15	183	SPACE	0		0
0		0	SPACE	15	184	SPACE	0		0
0		0	SPACE	15	185	SPACE	0		0
0		0	SPACE	15	186	SPACE	0		0
0		0	SPACE	15	187	SPACE	0		0
0		0	SPACE	15	188	SPACE	0		0
0		0	SPACE	15	189	SPACE	0		0
0		0	SPACE	15	190	SPACE	0		0
0		0	SPACE	15	191	SPACE	0		0
0		0	SPACE	15	192	SPACE	0		0
0		0	SPACE	15	193	SPACE	0		0
0		0	SPACE	15	194	SPACE	0		0
0		0	SPACE	15	195	SPACE	0		0
0		0	SPACE	15	196	SPACE	0		0

1 NEW PANEL 006-NLP-05-02-CA
TE-47 N.T.S.

CORRECTED LOAD NO		DEMAND FACTOR	TOTAL DEMAND	DESCRIPTION (Item, Room Number(s))	ROOM #	CT	WIR (W)	DESCRIPTION (Item, Room Number(s))	CORRECTED LOAD NO	DEMAND FACTOR	TOTAL DEMAND
0			0	EXT LIGHT ROOM ETHFLR + ETHFLR	15	14	15	EXT LITL 300W RTPFLR STY ETH			0
0			0	EXT LIGHTFLR ETHFLR ROOMW	15	3	15	1 RECEPT ETHFLR ROOMW3			0
0			0	OTHER LIT ETHFLR ROOMW	15	16	15	1 RECEPT ETHFLR ROOMW2			0
0			0	1 RECEPT ETHFLR ROOMW6	15	16	15	HP SDOULM LITE OVER REGULATORS			0
0			0	SPARE	15	11	15				0
0			0	SPARE	15	11	15	SPARE			0
0			0	SPARE	15	10	14	SPARE			0
0			0	SPARE	15	11	11	SPARE			0
0			0	SPARE	15	17	15	SPARE			0
0			0	SPARE	15	16	16	SPARE			0
0			0	SPARE	15	21	23	SPARE			0
0			0	SPARE	15	20	24	SPARE			0
0			0	SPACE	25	25	25	SPACE			0
0			0	SPACE	25	25	25	SPACE			0
0			0	SPACE	25	25	25	SPACE			0
0			0	SPACE	25	25	25	SPACE			0
0			0	SPACE	33	33	34	SPACE			0
0			0	SPACE	35	35	36	SPACE			0
0			0	SPACE	37	37	38	SPACE			0
0			0	SPACE	39	40	42	SPACE			0
0			0	SPACE	39	40	42	SPACE			0

BUILD

FLOOR

ROOM

NEW TAG

DATE

TIME

USER

WIRE

S.C.

REMARKS

FEED	PANEL TAG	ROOM #	REMARKS	FEEDER SIZE
1500	NEW WIR TRANSFEROR	0		

2 NEW PANEL 006-ELP-05-02-FA
TE-4.7 N.T.S.

[illegible]

3 NEW PANEL 006-ELP-05-02-FC
T647 N.T.S.

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1	2024-10-25	ISSUED FOR ADD E-02
No.	Date	Issue/Revision

PROJECT CONTACT	
NAME:	Greg Zapp
TEL:	647 288 5479
EMAIL:	Greg.Zapp@smithandsonderaen.com
THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ELECTRICAL SPECIFICATION SUBMITTED FOR THIS PROJECT.	

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WITH ELECTRICAL SPECIFICATION SUBMITTED FOR
THIS PROJECT.



Smith + Andersen
1100 - 100 Sheppard Ave. East, Toronto On, M2N 6N5
416 487 8151 f 416 487 9104 ar@smithandandersen.com

Robarts 5th Floor MDL
Renovation

Title:

ELECTRICAL DETAILS

Project No. 08086.009.MEAVD	Scale AS NOTED
Drawing No.	

TE-0.7