

ELECTRICAL ADDENDUM

EA02

project name / location	METRO HALL 11TH FLOOR - MINOR OFFICE RENOVATION 55 JOHN STREET, 11TH FLOOR, TORONTO, ON
project no.	241168
to	X DESIGN
attention	MS. HEATHER WATERS
date issued	AUGUST 13, 2024

Amend the Contract Documents and Specifications for the above project as follows:

1. DRAWINGS

- 1.1 E-111 - 11TH FLOOR - DEMOLITION PLAN
- 1.2 E-211 - 11TH FLOOR - LIGHTING PLAN
- 1.3 E-311 - 11TH FLOOR - POWER & SYSTEMS PLAN
- 1.4 E-701 - PANEL SCHEDULES

2. SPECIFICATIONS

- 2.1 None.

3. DESCRIPTION

- 3.1 Refer to Drawing E-111:
 - 3.1.1 Update demolition plan as shown.
- 3.2 Refer to Drawing E-211:
 - 3.2.1 Update noted as shown.
- 3.3 Refer to Drawing E-311:
 - 3.3.1 Revise the circuit number in Room 1155 as shown.
 - 3.3.2 Revise power layout in rooms 1104, 1133, 1141 & 1156 as shown.
 - 3.3.3 Update noted as shown.
- 3.4 Refer to Drawing E-701:
 - 3.4.1 Update Panel Schedule as shown.

4. ENCLOSURES

- 4.1 Drawings: E-111, E-211, E-311, & E-701

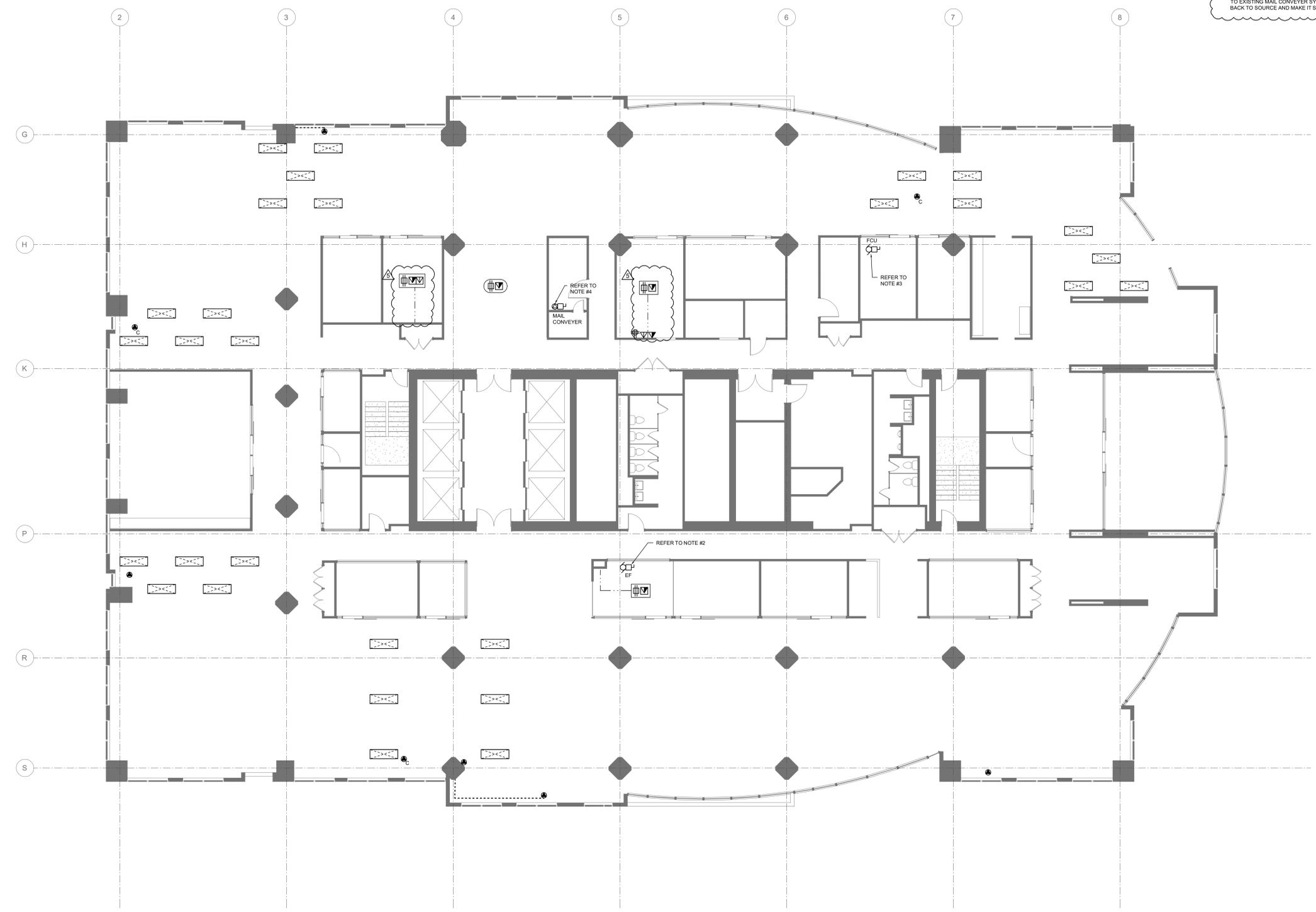
MULVEY & BANANI INTERNATIONAL INC.



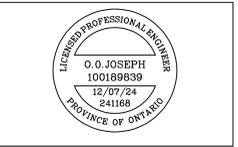
SHAGHAYEGH ESMAEILI, P. ENG.
ENGINEER

BUILDING DEPARTMENT SEAL

- NOTES:
1. ALL DEVICES SHOWN ARE EXISTING TO BE REMOVED UNLESS OTHERWISE NOTED.
 2. ELECTRICAL CONTRACTOR TO DISCONNECT POWER CONNECTION TO EXISTING EXHAUST FAN (EF) AND PULL ALL THE WIRING BACK TO SOURCE AND MAKE IT SAFE.
 3. ELECTRICAL CONTRACTOR TO DISCONNECT POWER CONNECTION TO EXISTING FAN COOL UNIT (FCU) AND PULL ALL THE WIRING BACK TO SOURCE AND MAKE IT SAFE.
 4. ELECTRICAL CONTRACTOR TO DISCONNECT POWER CONNECTION TO EXISTING MAIL CONVEYER SYSTEM AND PULL ALL THE WIRING BACK TO SOURCE AND MAKE IT SAFE.



CONSTRUCTION NORTH



No.	DESCRIPTION	DATE
5	ISSUED FOR EA02	2024-08-13
4	ISSUED FOR EA01	2024-08-01
3	ISSUED FOR PERMIT TENDER	2024-07-12
2	ISSUED FOR 90% PAGE TURN REVIEW	2024-07-08
1	ISSUED FOR 75% PAGE TURN REVIEW	2024-06-28

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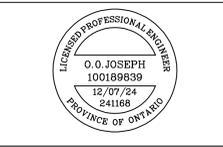
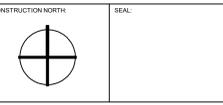
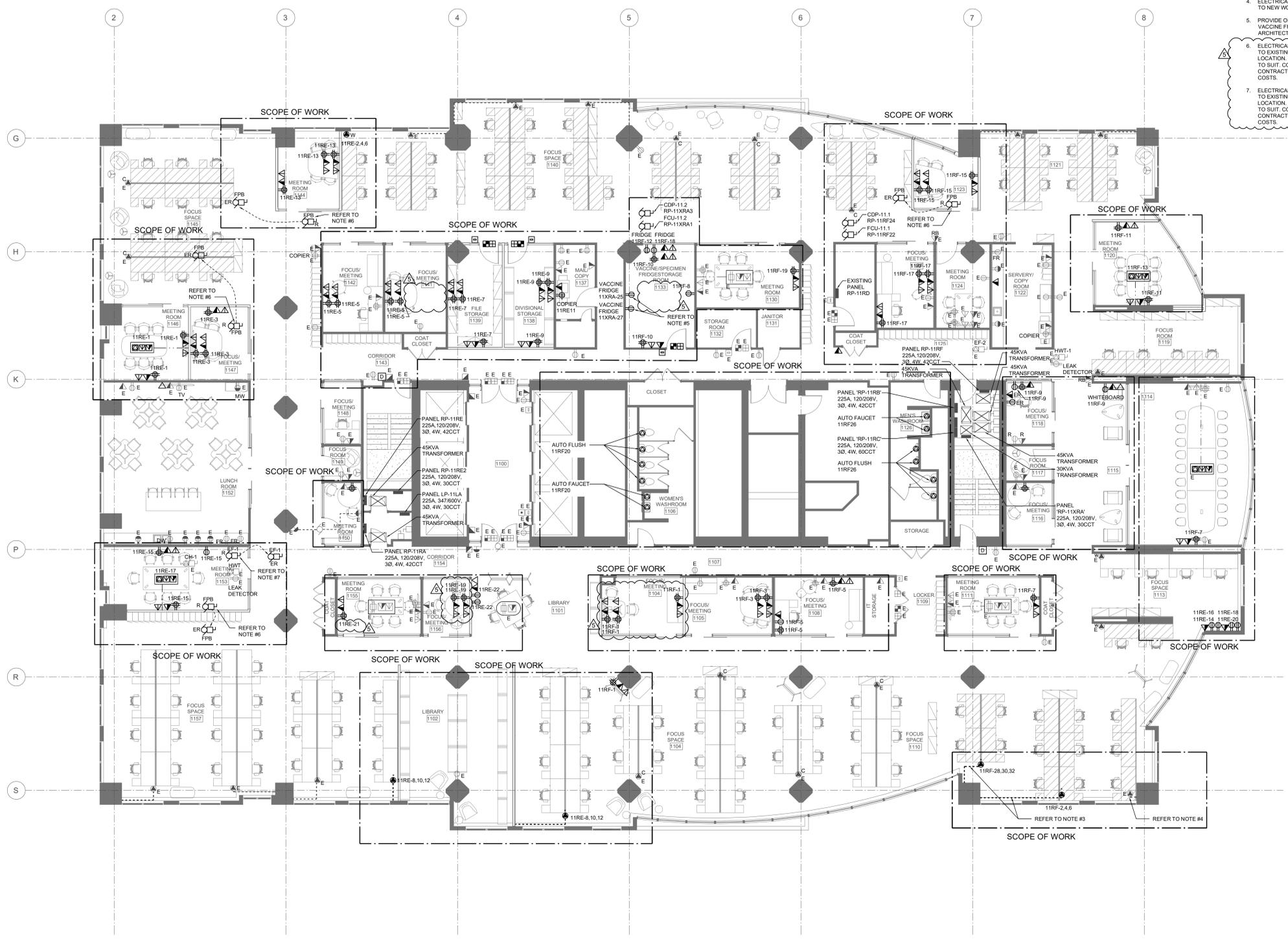
PROJECT
METRO HALL 11TH FLOOR - MINOR OFFICE RENOVATION
55 JOHN STREET, 11TH FLOOR TORONTO, ON

DRAWING
11TH FLOOR - DEMOLITION PLAN

SCALE	DATE
1/8"=1'-0"	2024/06/11
DRAWN	CHECKED
SE	OJ
PROJECT NO	SHEET #
241168	E-111

BUILDING DEPARTMENT SEAL

- NOTES:**
- ELECTRICAL CONTRACTOR TO PROVIDE A SEPARATE PRICE (A) TO REPLACE ALL THE EXISTING I.T.E PANELS (RP-11RA, RP-11RB, RP-11RC) ON THE FLOOR WITH NEW.
 - ELECTRICAL CONTRACTOR TO PROVIDE A SEPARATE PRICE (B) TO REPLACE ALL THE EXISTING TRANSFORMERS ON THE FLOOR WITH NEW.
 - ELECTRICAL CONTRACTOR TO REWORK AND EXTEND EXISTING WIREMOLD TO NEW WORKSTATION'S LOCATION AS REQUIRED. ALLOW FOR ALL ASSOCIATED COSTS.
 - ELECTRICAL CONTRACTOR TO RECONNECT EXISTING WIREMOLD TO NEW WORKSTATION'S LOCATION AS SHOWN.
 - PROVIDE ONE (1) 15A/1P BREAKER IN PANEL 11XR4 TO FEED EACH VACCINE FRIDGE. COORDINATE THE EXACT LOCATION WITH THE ARCHITECT PRIOR TO ROUGH-INS.
 - ELECTRICAL CONTRACTOR TO DISCONNECT POWER CONNECTION TO EXISTING FAN POWERED BOX (FPB) AND RE-CONNECT IN NEW LOCATION. REWORK AND EXTEND EXISTING WIRING AND CONDUIT TO SUIT. COORDINATE THE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-INS. ALLOW FOR ALL ASSOCIATED COSTS.
 - ELECTRICAL CONTRACTOR TO DISCONNECT POWER CONNECTION TO EXISTING EXHAUST FAN (EF) AND RE-CONNECT IN NEW LOCATION. REWORK AND EXTEND EXISTING WIRING AND CONDUIT TO SUIT. COORDINATE THE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-INS. ALLOW FOR ALL ASSOCIATED COSTS.



No.	DESCRIPTION	DATE
5	ISSUED FOR EA02	2024-08-13
4	ISSUED FOR EA01	2024-08-01
3	ISSUED FOR PERMIT TENDER	2024-07-12
2	ISSUED FOR 90% PAGE TURN REVIEW	2024-07-08
1	ISSUED FOR 75% PAGE TURN REVIEW	2024-06-20
ISSUE RECORD		

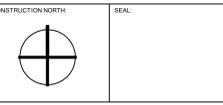
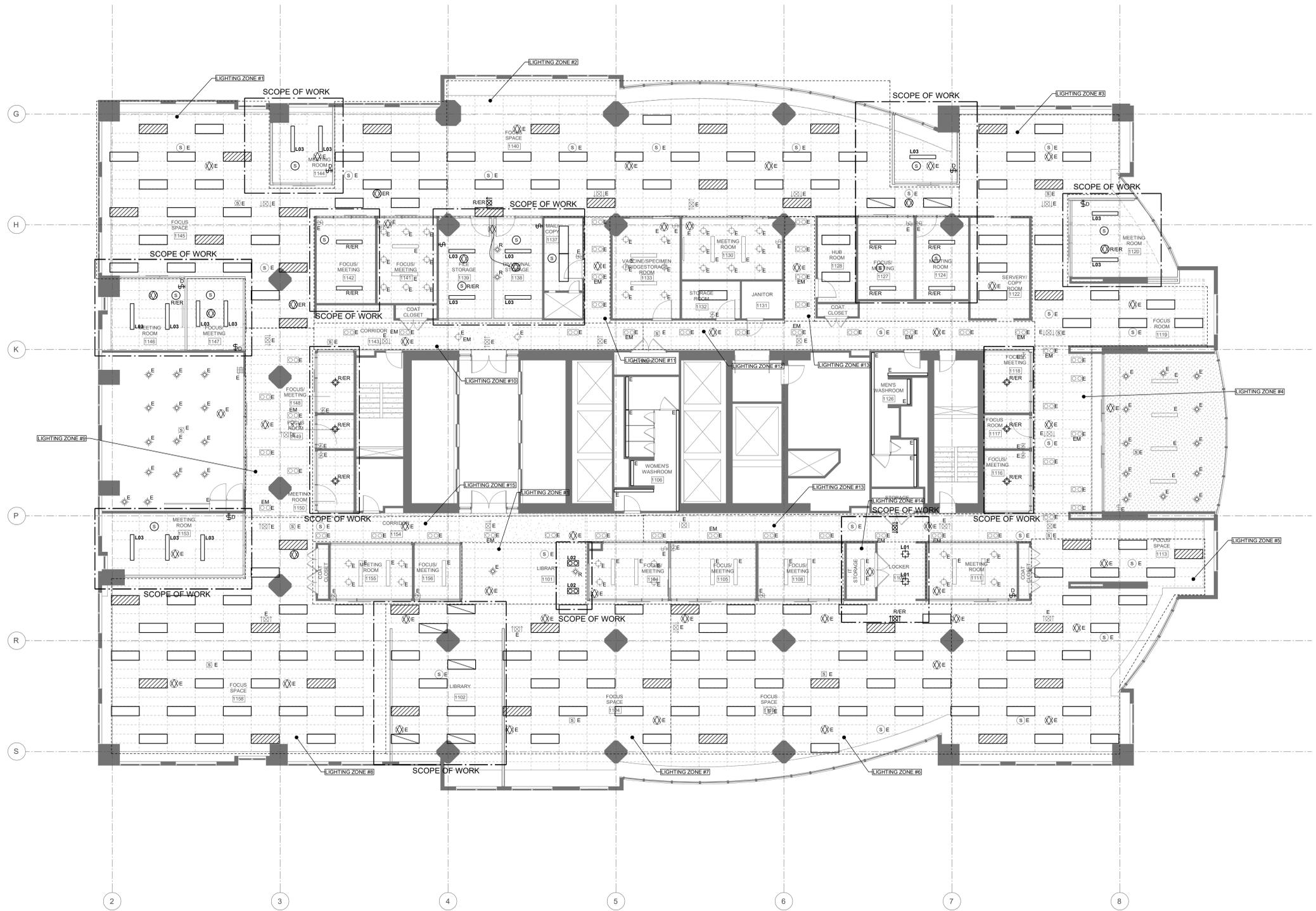
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PROJECT
METRO HALL 11TH FLOOR - MINOR OFFICE RENOVATION
55 JOHN STREET, 11TH FLOOR TORONTO, ON

DRAWING
11TH FLOOR - POWER & SYSTEMS PLAN

SCALE	DATE
1/8"=1'-0"	2024/06/11
DRAWN	CHECKED
SE	OJ
PROJECT NO.	SHEET #
241168	E-311

- NOTES:
1. EMERGENCY LIGHTING LAYOUT IS NEW, CONNECT FIXTURES TO NEAREST EMERGENCY LIGHTING CIRCUIT. DO NOT OVERLOAD CIRCUITS. PROVIDE NEW BREAKER AS REQUIRED.
 2. ELECTRICAL CONTRACTOR TO PROVIDE STEP-DOWN TRANSFORMER AS REQUIRED. ALLOW FOR ALL ASSOCIATED COSTS.
 3. PROVIDE A SEPARATE PRICE (C) TO REPLACE THE EXISTING 1'X4' X 78 FLUORESCENT FIXTURES IN THE WASHROOM AREAS WITH LED FIXTURES. (CAT # VISIONERING LCOM-48-LED-8-35K-347-044).



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5	ISSUED FOR EA02	2024-08-13
4	ISSUED FOR EA01	2024-08-01
3	ISSUED FOR PERMIT TENDER	2024-07-12
2	ISSUED FOR 95% PAGE TURN REVIEW	2024-07-08
1	ISSUED FOR 75% PAGE TURN REVIEW	2024-06-20

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PROJECT
METRO HALL 11TH FLOOR - MINOR OFFICE RENOVATION
55 JOHN STREET, 11TH FLOOR TORONTO, ON

DRAWING
11TH FLOOR - LIGHTING PLAN

SCALE	DATE
1/8"=1'-0"	2024/06/11
DRAWN	CHECKED
SE	OJ
PROJECT NO.	SHEET #
241168	E-211

LTG.	RECEPT.	MOTOR	HVAC	OTHER	KITCHEN	DESCRIPTION	LOAD	BRKR	CCT.	PH	CCT.	BRKR	LOAD	DESCRIPTION	LTG.	RECEPT.	MOTOR	HVAC	OTHER	KITCHEN		
NO.	LOAD	NO.	LOAD	NO.	LOAD	NO.	LOAD	NO.	LOAD	NO.	LOAD	NO.	LOAD	NO.	LOAD	NO.	LOAD	NO.	LOAD	NO.	LOAD	
3	200					MEETING ROOM 146	600	15	1	A	2	15	200	SYSTEM FURNITURE			1	200				
3	200					MEETING ROOM 147	600	15	3	B	4	15	200	SYSTEM FURNITURE			1	200				
5	200					OFFICE 142 & MEETING ROOM 141	1,000	15	5	C	6	15	200	SYSTEM FURNITURE			1	200				
3	200					OFFICE 109	600	15	7	A	8	15	200	SYSTEM FURNITURE			1	200				
3	200					OFFICE 108	600	15	9	B	10	15	200	SYSTEM FURNITURE			1	200				
1	500					COPY RM COPIER	500	20	11	C	12	15	200	SYSTEM FURNITURE			1	200				
3	200					MEETING RM 144	600	15	13	A	14	15	750	SUPERCOMPUTER			1	750				
3	200					MEETING RM 153	600	15	15	B	16	15	750	SUPERCOMPUTER			1	750				
1	200					MEETING RM 153	200	15	17	C	18	15	750	SUPERCOMPUTER			1	750				
5	200					MEETING RMS 156	1,000	15	19	A	20	15	750	SUPERCOMPUTER			1	750				
5	200					MEETING RMS 155	1,000	15	21	B	22	15	600	LIBRARY 101			3	200				
							0	15	23	C	24	15	0									
							0	15	25	A	26	15	0									
							0	15	27	B	28	15	0									
							0	15	29	C	30	15	0									
							0	15	31	A	32	15	0									
							0	15	33	B	34	15	0									
							0	15	35	C	36	15	0									
							0	15	37	A	38	15	0									
							0	15	39	B	40	15	0									
							0	15	41	C	42	15	0									
0	7300	0	0	0	0									TOTAL	0	4800	0	0	0	0	0	0

LOAD SUMMARY (KW)					
LTG.	RECEPT.	MOTOR	HVAC	OTHER	KITCHEN
0.00	2.10	0.00	0.00	0.00	0.00
100	100	100	100	100	100
0.00	2.10	0.00	0.00	0.00	0.00

Connected Load (KW) _____
Demand Factor _____
Demand Load (KW) _____

PHASE LOAD (KW)		
A	B	C
4.70	4.55	2.85

X FLUSH
X SURFACE
X SPRINKLER PROOF
X FEED THROUGH LUGS
X MAIN BREAKER: 225A.3P
X 200 % NEUTRAL
X SPD

TYPE: NQOD
 LOCATION: ELECTRICAL ROOM
 FED FROM: DISTRIBUTION PANEL
 PHASE VOLTAGE: 120
 LINE VOLTAGE: 208
 PHASE: 3
 WIRE: 4
 MAINS [A]: 1200
 I.C. [KA]: 22

MULVEY & BANANI

PANEL: EXISTING PANEL RP-11RE

PROJECT: METRO HALL 11TH FLOOR RENOVATION
PROJECT NO. 241168
PAGE: 1 OF 1

NOTES:

LTG.	RECEPT.	MOTOR	HVAC	OTHER	KITCHEN	DESCRIPTION	LOAD	BRKR	CCT.	PH	CCT.	BRKR	LOAD	DESCRIPTION	LTG.	RECEPT.	MOTOR	HVAC	OTHER	KITCHEN		
NO.	LOAD	NO.	LOAD	NO.	LOAD	NO.	LOAD	NO.	LOAD	NO.	LOAD	NO.	LOAD	NO.	LOAD	NO.	LOAD	NO.	LOAD	NO.	LOAD	
1	400					FCU-112	400	15	1	A	2	15	0									
1	100					CDP-112	100	15	3	B	4	15	0									
							0	15	5	C	6	15	0									
							0	15	7	A	8	15	0									
							0	15	9	B	10	15	0									
							0	15	11	C	12	15	0									
							0	15	13	A	14	15	0									
							0	15	15	B	16	15	0									
							0	15	17	C	18	15	0									
							0	15	19	A	20	15	0									
							0	15	21	B	22	15	0									
							0	15	23	C	24	15	0									
1	800					FRIDGE	800	15	25	A	26	15	0									
1	800					FRIDGE	800	15	27	B	28	15	0									
							0	15	29	C	30	15	0									
							0	15	31	A	32	15	0									
							0	15	33	B	34	15	0									
							0	15	35	C	36	15	0									
							0	15	37	A	38	15	0									
							0	15	39	B	40	15	0									
							0	15	41	C	42	15	0									
0	2100	0	0	0	0									TOTAL	0	0	0	0	0	0	0	0

LOAD SUMMARY (KW)					
LTG.	RECEPT.	MOTOR	HVAC	OTHER	KITCHEN
0.00	2.10	0.00	0.00	0.00	0.00
100	100	100	100	100	100
0.00	2.10	0.00	0.00	0.00	0.00

Connected Load (KW) _____
Demand Factor _____
Demand Load (KW) _____

PHASE LOAD (KW)		
A	B	C
120	0.90	0.00

X FLUSH
X SURFACE
X SPRINKLER PROOF
X FEED THROUGH LUGS
X MAIN BREAKER: 225A.3P
X 200 % NEUTRAL
X SPD

TYPE: NQOD
 LOCATION: ELECTRICAL ROOM
 FED FROM: DISTRIBUTION PANEL
 PHASE VOLTAGE: 120
 LINE VOLTAGE: 208
 PHASE: 3
 WIRE: 4
 MAINS [A]: 1200
 I.C. [KA]: 22

MULVEY & BANANI

PANEL: EXISTING PANEL RP-11RX

PROJECT: METRO HALL 11TH FLOOR RENOVATION
PROJECT NO. 241168
PAGE: 1 OF 1

NOTES:

LTG.	RECEPT.	MOTOR	HVAC	OTHER	KITCHEN	DESCRIPTION	LOAD	BRKR	CCT.	PH	CCT.	BRKR	LOAD	DESCRIPTION	LTG.	RECEPT.	MOTOR	HVAC	OTHER	KITCHEN		
NO.	LOAD	NO.	LOAD	NO.	LOAD	NO.	LOAD	NO.	LOAD	NO.	LOAD	NO.	LOAD	NO.	LOAD	NO.	LOAD	NO.	LOAD	NO.	LOAD	
3	200					OFFICE 104	600	15	1	A	2	15	600	SYSTEM FURNITURE			1	600				
2	200					MEETING ROOM 105	400	15	3	B	4	15	600	SYSTEM FURNITURE			1	600				
4	200					OFFICE 108	800	15	5	C	6	15	600	SYSTEM FURNITURE			1	600				
2	200					MEETING ROOM 111& 114	400	15	7	A	8	15	400	LAB			2	200				
3	200					118 & 115 AREAS	600	15	9	B	10	15	600	LAB			3	200				
2	200					MEETING ROOM 120	400	15	11	C	12	15	500	LAB FRIDGE			1	500				
1	200					MEETING ROOM 120	200	15	13	A	14	15	500	LAB FRIDGE			1	500				
3	200					MEETING ROOM 123	600	15	15	B	16	15	0	SPARE								
3	200					OFFICE	600	15	17	C	18	15	0	SPARE								
						MEETING RM 130	0	15	19	A	20	15	300	WC AUTO FAUCET/AUTO FLUSH			6	50				
							0	15	21	B	22	15	400	FCU-111			1	400				
							0	15	23	C	24	15	100	CDP-11			1	100				
							0	15	25	A	26	15	300	WC AUTO FAUCET/AUTO FLUSH			6	50				
							0	15	27	B	28	15	400	SYSTEM FURNITURE			1	400				
							0	15	29	C	30	15	400	SYSTEM FURNITURE			1	400				
							0	15	31	A	32	15	400	SYSTEM FURNITURE			1	400				
							0	15	33	B	34	15	0									
							0	15	35	C	36	15	0									
							0	15	37	A	38	15	0									
							0	15	39	B	40	15	0									
							0	15	41	C	42	15	0									
0	4600	0	0	0	0									TOTAL	0	6100	0	0	0	0	0	0

LOAD SUMMARY (KW)					
LTG.	RECEPT.	MOTOR	HVAC	OTHER	KITCHEN
0.00	10.70	0.00	0.00	0.00	0.00
100	100	100	100	100	100
0.00	10.70	0.00	0.00	0.00	0.00

Connected Load (KW) _____
Demand Factor _____
Demand Load (KW) _____

PHASE LOAD (KW)		
A	B	C
3.70	3.60	3.40

X FLUSH
X SURFACE
X SPRINKLER PROOF
X FEED THROUGH LUGS
X MAIN BREAKER: 225A.3P
X 200 % NEUTRAL
X SPD

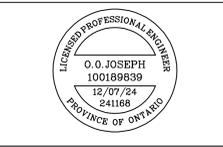
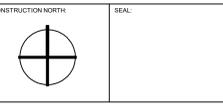
TYPE: NQOD
 LOCATION: ELECTRICAL ROOM
 FED FROM: DISTRIBUTION PANEL
 PHASE VOLTAGE: 120
 LINE VOLTAGE: 208
 PHASE: 3
 WIRE: 4
 MAINS [A]: 1200
 I.C. [KA]: 22

MULVEY & BANANI

PANEL: EXISTING PANEL RP-11RF

PROJECT: METRO HALL 11TH FLOOR RENOVATION
PROJECT NO. 241168
PAGE: 1 OF 1

NOTES:



No.	DESCRIPTION	DATE
4	ISSUED FOR E&P	2024-08-01
3	ISSUED FOR PERMIT TENDER	2024-07-12
2	ISSUED FOR 95% PAGE TURN REVIEW	2024-07-08
1	ISSUED FOR 75% PAGE TURN REVIEW	2024-06-28

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PROJECT: METRO HALL 11TH FLOOR - MINOR OFFICE RENOVATION
55 JOHN STREET, 11TH FLOOR TORONTO, ON

DRAWING: PANEL SCHEDULE

SCALE	DATE
AS SHOWN	2024/06/11
DRAWN	CHECKED
SE	OJ
PROJECT NO.	SHEET #
241168	E-701