

ADDENDUM

No. 01

To: All Bidders

Project: COT ModernTO

From: X-Design Inc.

Project #: 23-250

CC:

Date: August 2, 2024

Please include the following in your tender submission.

Attachments

EA01 Electrical Addendum dated August 1, 2024

Description of Changes

1.0 Electrical Engineering

1.1 See attached

End of Addendum No.01

Heather Waters

August 2, 2024

Issued By

Date

ELECTRICAL ADDENDUM

EA01

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 1, 2024

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

1. DRAWINGS

- 1.1 E-001 - ELECTRICAL LEGEND, GENERAL NOTES & DRAWING LIST
- 1.2 E-111 - 11TH FLOOR - DEMOLITION PLAN
- 1.3 E-211 - 11TH FLOOR - LIGHTING PLAN
- 1.4 E-311 - 11TH FLOOR - POWER & SYSTEMS PLAN
- 1.5 E-601 - ELECTRICAL DETAILS
- 1.6 E-701 - PANEL SCHEDULES

2. SPECIFICATIONS

- 2.1 None.

3. DESCRIPTION

- 3.1 Refer to Drawing E-001
 - 3.1.1 Update general notes as shown.
- 3.2 Refer to Drawing E-111:
 - 3.2.1 Update demolition plan as shown.
- 3.3 Refer to Drawing E-211:
 - 3.3.1 Revise lighting layout as shown.
- 3.4 Refer to Drawing E-311:
 - 3.4.1 Revise power layout as shown.
- 3.5 Refer to Drawing E-601:
 - 3.5.1 Update electrical details as shown.
- 3.6 Refer to Drawing E-701:
 - 3.6.1 Update Panel Schedule as shown.

4. ENCLOSURES

- 4.1 Drawings: E-001, E-111, E-211, E-311, E-601, & E-701

MULVEY & BANANI

| EA01 | Project No. 241168 | Page 2 of 2 |

MULVEY & BANANI INTERNATIONAL INC.



SHAGHAYEGH ESMAEILI, P. ENG.
ENGINEER

METRO HALL 11TH FLOOR - MINOR OFFICE RENOVATION

55 JOHN STREET
11TH FLOOR
TORONTO, ONTARIO

ELECTRICAL DRAWINGS

GENERAL NOTES

- GENERAL**
- THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH DESIGN CONSULTANTS/ARCHITECTS DRAWINGS FOR DIMENSIONS, FINISHES AND MOUNTING HEIGHTS OF DEVICES, ETC.
- REFER ALSO TO COMMUNICATIONS, SECURITY, AV, AND MECHANICAL DRAWINGS FOR ADDITIONAL DETAILS.**
- LIGHTING**
- MODIFY BASE BUILDING LIGHTING AS SHOWN ON DRAWING USING EXISTING JUNCTION BOXES IN CEILING SPACE. DO NOT OVERLOAD CIRCUITS.
- BASE BUILDING LUMINAIRES UTILIZE A "MODULAR QUICK-CONNECT" TYPE HARNESS WIRING SYSTEM. PROVIDE ALL APPROPRIATE HARNESSES, SWITCHING ACCESSORIES AND ANY ADDITIONAL ATTACHMENTS NECESSARY TO MAKE SYSTEM OPERATIONAL.
- PURCHASE ALL ADDITIONAL BASE BUILDING LUMINAIRES AND WIRING HARNESSES REQUIRED FOR THIS PROJECT FROM THE LANDLORD. IF UNABLE TO OBTAIN FROM THE LANDLORD, PURCHASE LUMINAIRES AND WIRING HARNESSES DIRECTLY FROM THE MANUFACTURER.
- ALL LUMINAIRES INCLUDING ALL DOWNLIGHTS AND PENDANTS, EXCLUDING EMERGENCY LUMINAIRES, WITHIN THE TENANT PREMISES TO BE ON A SEPARATE LIGHTING ZONE AND TO BE CONTROLLED BY BASE BUILDING LIGHTING CONTROL SYSTEM UNLESS OTHERWISE NOTED. REARRANGE CIRCUITING OF BASE BUILDING LUMINAIRES AT DEMISING PARTITIONS TO ENSURE LIGHTING ZONES ARE INDEPENDENT OF ADJACENT TENANCES AND/OR COMMON AREAS. PROVIDE ALL NECESSARY RELAYS, CONTACTORS, RELAY PANELS AND ANY INTERFACE REQUIRED FOR SUCH CONTROL. CONTACT BASE BUILDING OPERATIONS TO COORDINATE LIGHTING CONTROL ZONES AND TIENS PRIOR TO CONSTRUCTION START.
- EXTEND WIRING TO NEW EMERGENCY LUMINAIRES FROM EXISTING CIRCUITS AVAILABLE IN CEILING SPACE. DO NOT OVERLOAD CIRCUIT. PROVIDE NEW CIRCUITS AS NECESSARY. WHERE EXISTING EMERGENCY LIGHTING CIRCUITS ARE 347V AND EMERGENCY LIGHTING IS 120V, PROVIDE AUTO TRANSFORMERS AS REQUIRED. PLANS DENOTE FINAL LOCATION OF EMERGENCY LUMINAIRES. RE-CIRCUIT EXISTING NORMAL AND EMERGENCY LIGHTING CIRCUITS TO OBTAIN LAYOUT AS SHOWN.
- CONNECT EXIT LIGHTS TO NEAREST EXIT LIGHT CIRCUIT ON THIS FLOOR. ALL EXISTING RED EXIT LIGHTS WITHIN SCOPE OF WORK TO BE REMOVED AND REPLACED. EXIT LIGHTS SHALL MATCH BASE BUILDING STANDARD COMPLETE WITH GREEN RUNNING MAN PICTOGRAM. PROVIDE NEW CIRCUITS AS NECESSARY. EXIT LIGHTS SHALL BE CERTIFIED AS PER CSA 22.2 NO. 141-10, AND MEET ISO 3864-1 AND 7010.
- WHERE EMERGENCY LIGHTS ARE CONTROLLED VIA 0-10V DIMMING, PROVIDE A 0-10V BYPASS SHUNT RELAY CERTIFIED AS PER UL924.
- POWER**
- CIRCUIT NUMBERS SHOWN ARE FOR GROUPING PURPOSES ONLY. RE-ARRANGE EXISTING CIRCUITS AND PROVIDE NEW BREAKERS AS REQUIRED IN EXISTING PANELS.
- THE FURNITURE SYSTEM ON THIS PROJECT IS AN 8 WIRE, 3 CIRCUIT SYSTEM. PROVIDE 3 HOTS, 3 NEUTRAL AND 2 GROUND WIRES. PROVIDE ALL CONNECTIONS TO FURNITURE SYSTEMS AS PER FURNITURE MANUFACTURER'S RECOMMENDATIONS.
- VERIFY EXACT POWER REQUIREMENTS OF ALL COPIER OUTLETS PRIOR TO ROUGH-IN.
- LIFE SAFETY SYSTEM**
- PROVIDE COST FOR ADDITION, RELOCATION, VERIFICATION AND TESTING OF ALL LIFE SAFETY SYSTEM COMPONENTS. ALL FIRE ALARM WORK, INCLUDING TIENS TO BASE BUILDING LIFE SAFETY SYSTEM TO BE DONE BY LANDLORD'S CONTRACTOR WITH ASSOCIATED COSTS CARRIED IN THIS CONTRACT. ALL NEW LIFE SAFETY DEVICES TO MATCH BASE BUILDING STANDARDS.
- VOICE/DATA**
- PROVIDE EMPTY CONDUIT C/W PULL STRING, JUNCTION BOXES AND ALL NECESSARY ACCESSORIES TO FACILITATE THE PROPER INSTALLATION OF VOICE/DATA CABLING AND DEVICES. THE SUPPLY AND INSTALLATION OF VOICE/DATA CABLING SHALL BE BY THE COMMUNICATIONS CONTRACTOR.
- SECURITY**
- PROVIDE 120 VOLT POWER AND EMPTY CONDUIT C/W PULL STRING, JUNCTION BOXES AND ALL NECESSARY ACCESSORIES TO FACILITATE THE PROPER INSTALLATION OF SECURITY CABLING AND DEVICES. THE SUPPLY AND INSTALLATION OF SECURITY DEVICES AND WIRING SHALL BE BY SECURITY CONTRACTOR. CONFIRM EXACT REQUIREMENTS WITH TENANT PRIOR TO COMMENCEMENT OF ANY WORK.
- WHERE FIRE ALARM PULL STATIONS ARE REQUIRED AT DOORS EQUIPPED WITH ELECTRO-MAGNETIC LOCKS, THE PULL STATION SHALL BE PROVIDED COMPLETE WITH DOUBLE CONTACTS. CONNECT ONE CONTACT DIRECTLY TO SECURITY MAG LOCK AND ONE CONTACT TO THE BASE BUILDING FIRE ALARM SYSTEM. WHERE PULL STATIONS ARE SHOWN AS "EXISTING TO REMAIN", CONFIRM IF DEVICES HAVE DUAL CONTACTS AND REPLACE WITH NEW, IF REQUIRED.

LUMINAIRE SCHEDULE

FIXTURE TYPE	L01	LAMP
Description	LED RECESSED DOWNLIGHT - SINGLE LIGHT TRIM	Type LED
Voltage	347V	Wattage 22W
Driver/Ballast	0-10V DIMMING	CCT 3500K
Notes	N/A	CRI 90
Catalog Spec	3G LIGHTING 3G-RC1-22-H90-35K-347-DIM-WT-WG	L70 Lumens 2200
Rep Contact		Distribution
FIXTURE TYPE	L02	LAMP
Description	LED RECESSED DOWNLIGHT - TWO LIGHT TRIM	Type LED
Voltage	347V	Wattage 22W
Driver/Ballast	0-10V DIMMING	CCT 3500K
Notes	N/A	CRI 90
Catalog Spec	3G LIGHTING 3G-RC2-22-H90-35K-347-DIM-WT-WG	L90 Lumens 2200
Rep Contact		Distribution
FIXTURE TYPE	L03	LAMP
Description	SUSPENDED 5' LINEAR FIXTURE	Type LED
Voltage	120V	Wattage 14.6W/FT
Driver/Ballast	0-10V DIMMING 1%	CCT 3500K
Notes	N/A	CRI 90
Catalog Spec	ALCON LIGHTING LP3.55MB-HI-90-3500K-0/10V/1%-WHITE/EXT/F-WH-347	L70 Lumens 1276lm/FT
Rep Contact		Distribution

DRAWING LIST

E-001	ELECTRICAL LEGEND, GENERAL NOTES & DRAWING LIST
E-002	ELECTRICAL SPECIFICATIONS
E-003	ELECTRICAL SPECIFICATIONS
E-111	11TH FLOOR - DEMOLITION PLAN
E-211	11TH FLOOR - LIGHTING PLAN
E-311	11TH FLOOR - POWER & SYSTEMS PLAN
E-501	ELECTRICAL SINGLE LINE DIAGRAM
E-601	ELECTRICAL DETAILS
E-701	ELECTRICAL PANEL SCHEDULES

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	EXISTING BASE BUILDING LUMINAIRE TO REMAIN.
	EXISTING BASE BUILDING LUMINAIRE TO BE REMOVED AND/OR RELOCATED.
	EXISTING OR NEW FLUORESCENT OR LED LUMINAIRE IN RELOCATED LOCATION. (CONTRACTOR TO SUPPLY NEW LUMINAIRES AS REQUIRED).
	LUMINAIRES ON EMERGENCY OR NIGHT LIGHT CIRCUIT.
	FLUORESCENT OR LED STRIP LIGHT LUMINAIRE.
	WALL MOUNTED LINEAR LUMINAIRE.
	RECESSED DOWNLIGHT LUMINAIRE.
	SUSPENDED (PENDANT) LUMINAIRE.
	TRACK LIGHTING. QUANTITY OF HEADS AS SHOWN. LENGTH OF TRACK TO SCALE OR AS NOTED.
A, B, F1	LUMINAIRE DESIGNATOR. LETTER INSIDE DENOTES LUMINAIRE TYPE. REFER TO LUMINAIRE SCHEDULE.
	EXIT LIGHT - WALL OR CEILING MOUNTED AS SHOWN. ARROW(S) DENOTE(S) ILLUMINATED FACE(S) AND DIRECTION. BAR(S) INDICATE ILLUMINATED FACE(S) ONLY.
	LIGHT SWITCH - SINGLE POLE, 120 VOLT OR 347 VOLT AS REQUIRED.
	LIGHT SWITCH COMPLETE WITH INTEGRAL OCCUPANCY SENSOR.
	DIMMER SWITCH.
	CEILING OR WALL MOUNTED OCCUPANCY MOTION SENSOR.
	FIRE ALARM PULL STATION.
	FIRE ALARM SYSTEM SPEAKER - CEILING OR WALL MOUNTED.
	FIRE ALARM SYSTEM SPEAKER/STROBE COMBINATION - CEILING OR WALL MOUNTED.
	SMOKE DETECTOR - CEILING OR WALL MOUNTED.
	FIREMAN'S HANDSET.
	SURFACE MOUNTED PANELBOARD.
	RECESSED PANELBOARD.
	DISTRIBUTION TRANSFORMER - FLOOR OR CEILING MOUNTED.
	DISCONNECT SWITCH.
	SINGLE PHASE MOTOR CONNECTION COMPLETE WITH DISCONNECT SWITCH.
	WALL MOUNTED DUPLEX RECEPTACLE (15A, 1P, 120V UNLESS OTHERWISE NOTED).
	WALL MOUNTED QUAD RECEPTACLE (15A, 1P, 120V UNLESS OTHERWISE NOTED).
	WALL MOUNTED SPLIT RECEPTACLE. (PROVIDE 15A, 2P GFI BREAKER).
	WALL MOUNTED SINGLE RECEPTACLE (15A, 1P, 120V UNLESS OTHERWISE NOTED). NUMBER ADJACENT DENOTES AMPERAGE I.E. 20-20A, 30-30A, ETC.
	WALL MOUNTED DUPLEX RECEPTACLE (20A, 1P, 120V T-SLOT UNLESS OTHERWISE NOTED).
	WALL MOUNTED DUPLEX RECEPTACLE COMPLETE WITH TWO (2) USB CHARGERS (SINGLE (1) TYPE A AND SINGLE (1) TYPE C). RECEPTACLE SHALL BE 15A, 1P, 120V AND 2 0A, 5VDC FOR USB. HUBBELL CAT # USB15ACSW OR EQUAL.
	WALL MOUNTED GFI DUPLEX RECEPTACLE (15A, 1P, 120V UNLESS OTHERWISE NOTED).
	CEILING MOUNTED DUPLEX RECEPTACLE (15A, 1P, 120V UNLESS OTHERWISE NOTED).
	POKE THROUGH STYLE FLOOR BOX COMPLETE WITH POWER. "X" DENOTES TYPE. REFER TO ELECTRICAL SPECIFICATIONS OR DETAILS ON DRAWINGS FOR EXACT CONFIGURATION.
	POKE THROUGH STYLE FLOOR BOX COMPLETE WITH POWER AND COMMUNICATIONS. "X" DENOTES TYPE. REFER TO ELECTRICAL SPECIFICATIONS OR DETAILS ON DRAWINGS FOR EXACT CONFIGURATION.
	POKE THROUGH STYLE FLOOR BOX COMPLETE WITH POWER AND AUDIO VISUAL. "X" DENOTES TYPE. REFER TO ELECTRICAL SPECIFICATIONS OR DETAILS ON DRAWINGS FOR EXACT CONFIGURATION.
	POKE THROUGH STYLE FLOOR BOX COMPLETE WITH POWER, COMMUNICATIONS & AUDIO VISUAL. "X" DENOTES TYPE. REFER TO ELECTRICAL SPECIFICATIONS OR DETAILS ON DRAWINGS FOR EXACT CONFIGURATION.
	HARDWARE DIRECT CONNECTION TO SYSTEMS FURNITURE. "F" DENOTES FLOOR, "WM" DENOTES WALL, "C" DENOTES CEILING.
	DIRECT CONNECTION OUTLET. (HARDWARE DIRECT CONNECTION TO EQUIPMENT TERMINALS).
	ONE-PIECE TWO SECTION SURFACE METAL RACEWAY C/W BASE COVER, POWER AND COMMUNICATIONS DIVIDER, POWER AND COMMUNICATIONS OUTLETS AS INDICATED AND ALL NECESSARY COMPONENTS AND ACCESSORIES REQUIRED FOR A COMPLETE SYSTEM. WIREMOLD G4000 OR HUBBELL APPROVED EQUAL.
	SINGLE-GANG WALL MOUNTED AUDIO/VISUAL OUTLET BOX.
	DOUBLE-GANG WALL MOUNTED AUDIO VISUAL OUTLET BOX.
	SINGLE-GANG WALL MOUNTED COMBINATION VOICE/DATA OUTLET BOX.
	WIRELESS ACCESS POINT.
	AUTOMATIC DOOR OPERATOR PUSH BUTTON SUPPLIED BY OTHERS. PROVIDE SINGLE GANG BOX COMPLETE WITH 21mm (3/4") CONDUIT AND 4C/18AWG UP TO DOOR MOTOR.
	FLUSH MOUNTED AUDIO/VISUAL SYSTEMS LOUD SPEAKER. BACKBOX BY ELECTRICAL CONTRACTOR. SPEAKER ASSEMBLY AND GRILL BY OTHERS.
	CARD READER.
	DOOR CONTACT.
	ELECTRO-MAGNETIC DOOR LOCK.
	ELECTRIC STRIKE.
	DOOR RELEASE PUSHBUTTON.
	CEILING OR WALL MOUNTED SECURITY REQUEST TO EXIT SENSOR.
	CCTV CAMERA 21mm (3/4") EC BACK TO SECURITY PLYWOOD BACKBOARD.
	LOCAL AUDIBLE ALARM FOR UNIVERSAL WASHROOM.
	LOCAL VISIBLE ALARM FOR UNIVERSAL WASHROOM.
	DURESS BUTTON.
ADDITIONAL NOMENCLATURE	
GENERAL	
E	EXISTING TO REMAIN
ER	EXISTING TO BE REMOVED AND/OR RELOCATED
ER	EXISTING IN RELOCATED POSITION
RR	REMOVE AND REINSTALL
R/ER	REMOVE AND REINSTALL IN REVISED LOCATION
JB	JUNCTION BOX
AFF	ABOVE FINISHED FLOOR
WP	WEATHER-PROOF
GFI	GROUND FAULT INTERRUPTER
TL	TWIST LOCK

MULVEY & BANANI

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BUILDING DEPARTMENT SEAL

CONSTRUCTION NORTH

SEAL

PROVINCE OF ONTARIO

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TORONTO, ON M6H 1R0
TEL: 416-462-3084
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No.	DESCRIPTION	DATE
4	ISSUED FOR E&P	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
ISSUE RECORD		

PROJECT

METRO HALL 11TH FLOOR - MINOR OFFICE RENOVATION

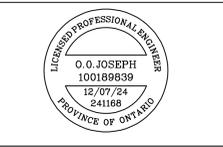
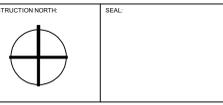
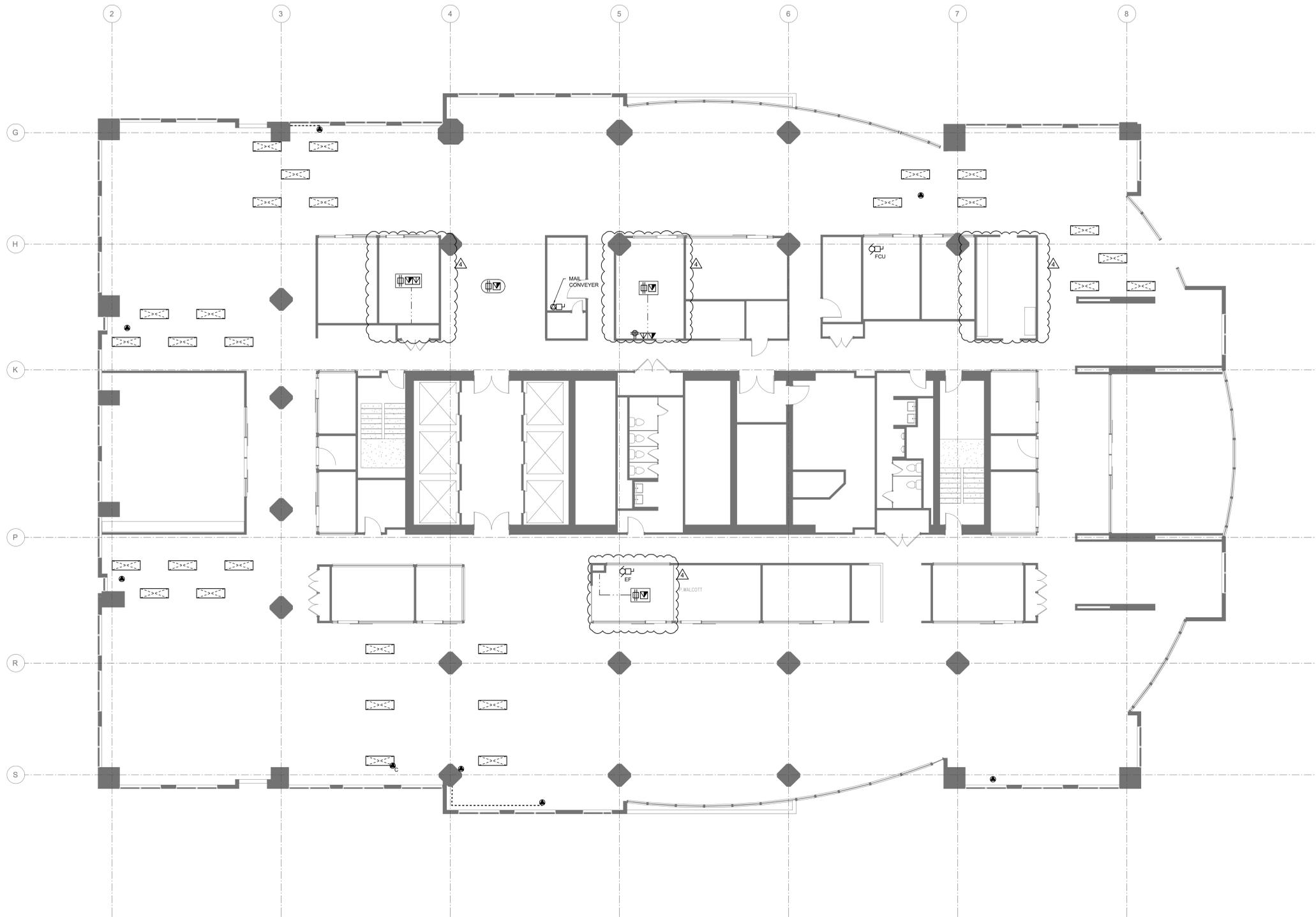
55 JOHN STREET, 11TH FLOOR TORONTO, ON

DRAWING

ELECTRICAL LEGEND, GENERAL NOTES & DRAWING LIST

SCALE	DATE
N.T.S.	2024/06/11
DRAWN	CHECKED
SE	OJ
PROJECT NO.	SHEET #
241168	E-001

BUILDING DEPARTMENT SEAL



No.	DESCRIPTION	DATE
4	ISSUED FOR EAGI	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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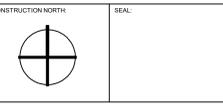
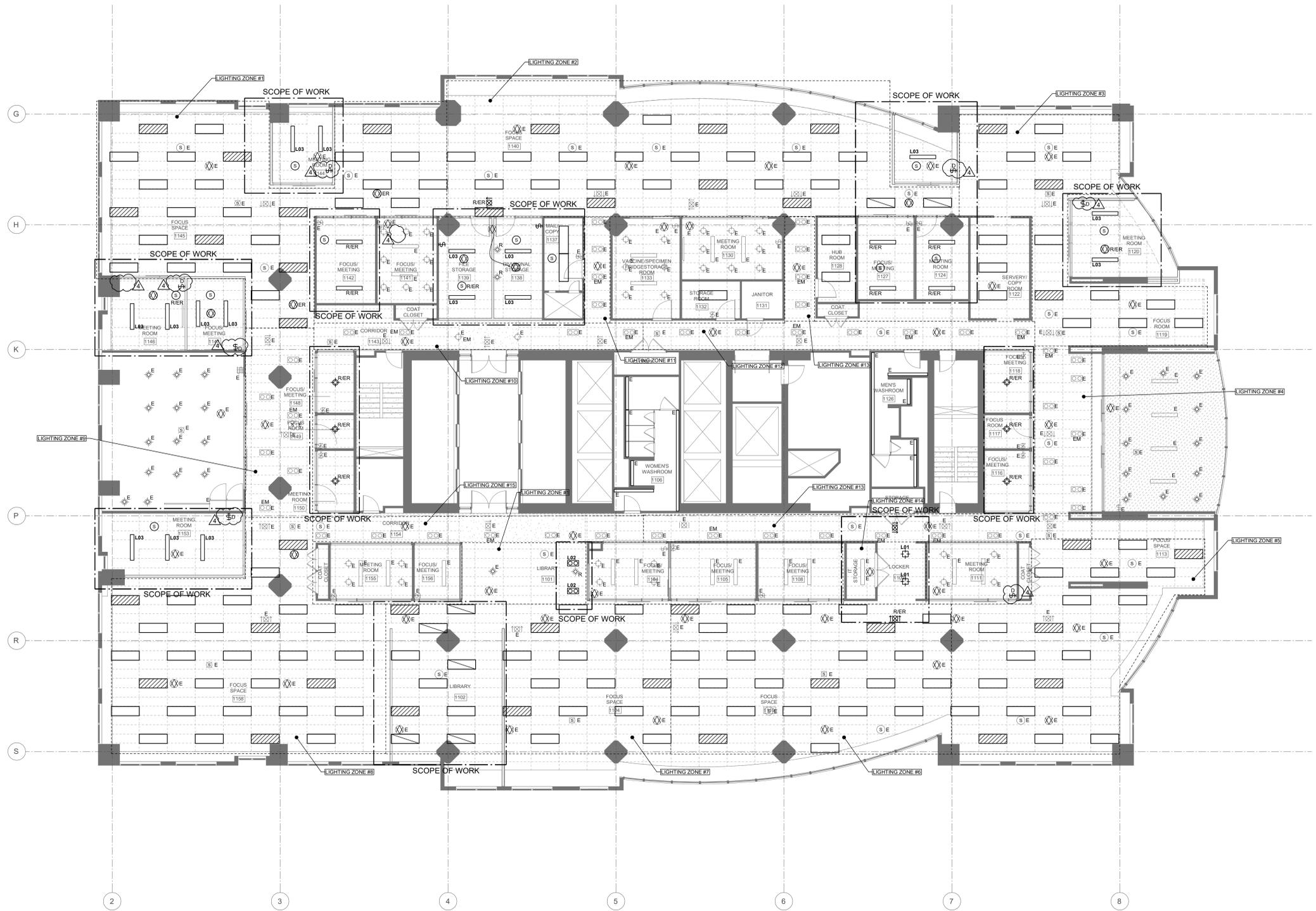
PROJECT
METRO HALL 11TH FLOOR - MINOR OFFICE RENOVATION
55 JOHN STREET, 11TH FLOOR TORONTO, ON

DRAWING
11TH FLOOR - DEMOLITION PLAN

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

FILE NAME: C:\Users\Elizbeth.Ducarme - A Design Inc\Documents\241168_MetroHall_11th_Floor\11th_Floor\11th_Floor.dwg
 PLOT DATE: 2024-06-11 10:00:00 AM
 PLOT SCALE: 1/8"=1'-0"
 PLOT SHEET: E-111

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.



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	2024-06-20
ISSUE RECORD		

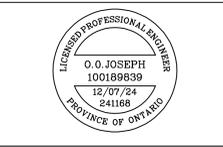
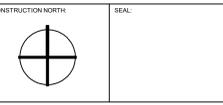
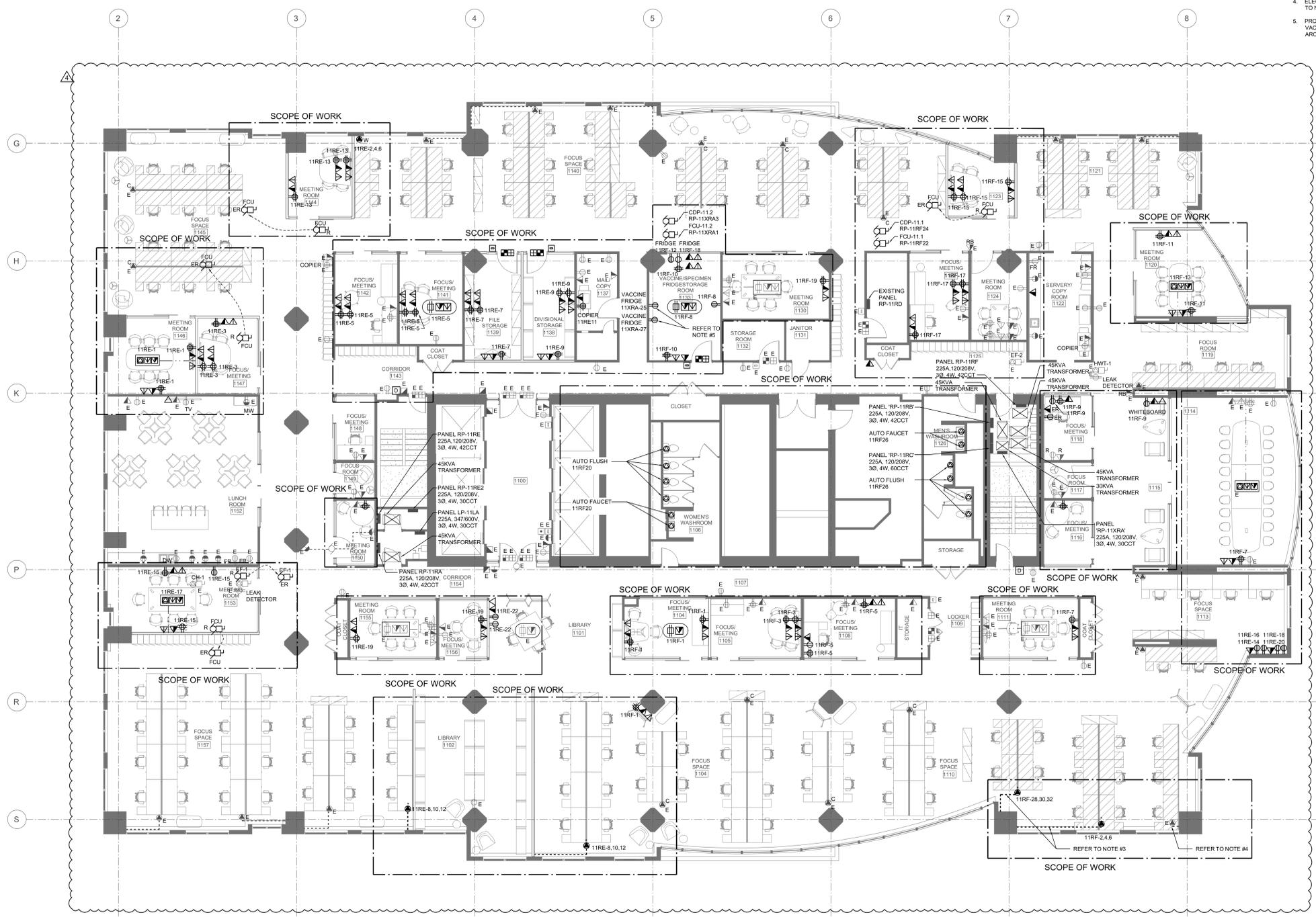
1135 DUNDAS ST. EAST, SUITE 200
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PROJECT
METRO HALL 11TH FLOOR - MINOR OFFICE RENOVATION
55 JOHN STREET, 11TH FLOOR TORONTO, ON

DRAWING
11TH FLOOR - LIGHTING PLAN

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

- 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 WORKSTATIONS LOCATION AS REQUIRED. ALLOW FOR ALL ASSOCIATED COSTS.
 - ELECTRICAL CONTRACTOR TO RECONNECT EXISTING WIREMOLD TO NEW WORKSTATIONS LOCATION AS SHOWN.
 - PROVIDE ONE (1) 15A/1P BREAKER IN PANEL 11XR1A TO FEED EACH VACCINE FRIDGE. COORDINATE THE EXACT LOCATION WITH THE ARCHITECT PRIOR TO ROUGH-INS.



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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
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

FILE NAME: C:\Users\jbanani\Documents\241168_MetroHall_11th_Floor_Power_Systems_Plan.dwg
 PLOT DATE: 2024-06-11 10:00:00 AM
 PLOT BY: jbanani



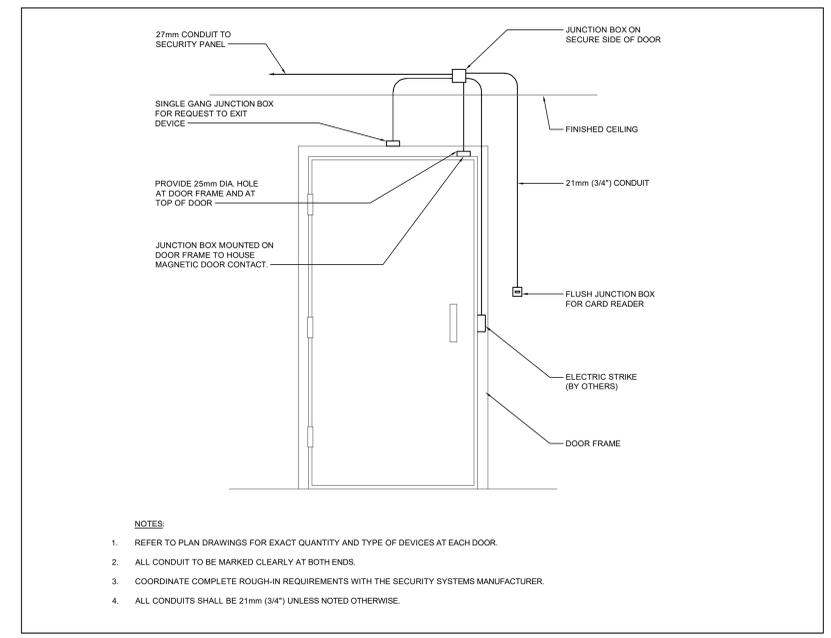
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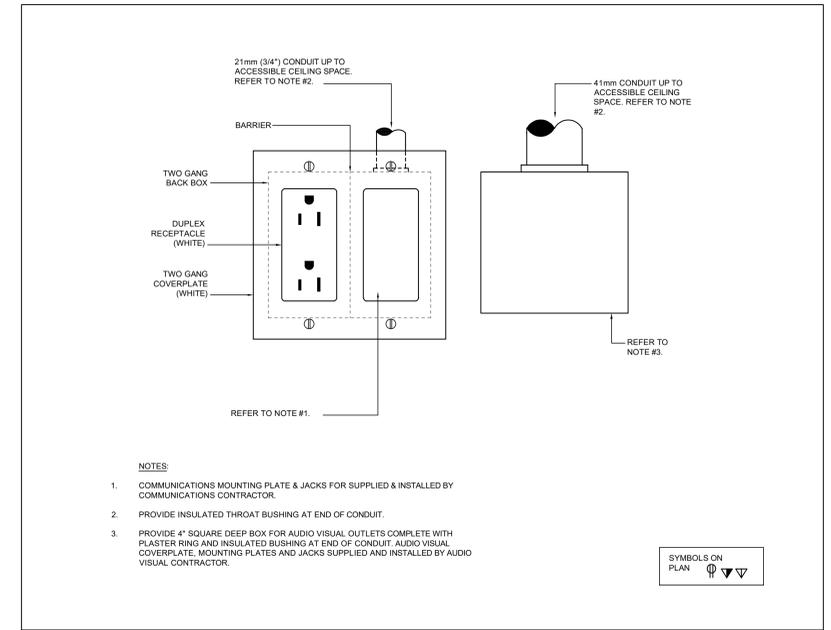
PROJECT
METRO HALL 11TH FLOOR - MINOR OFFICE RENOVATION
55 JOHN STREET, 11TH FLOOR TORONTO, ON

DRAWING
ELECTRICAL DETAILS

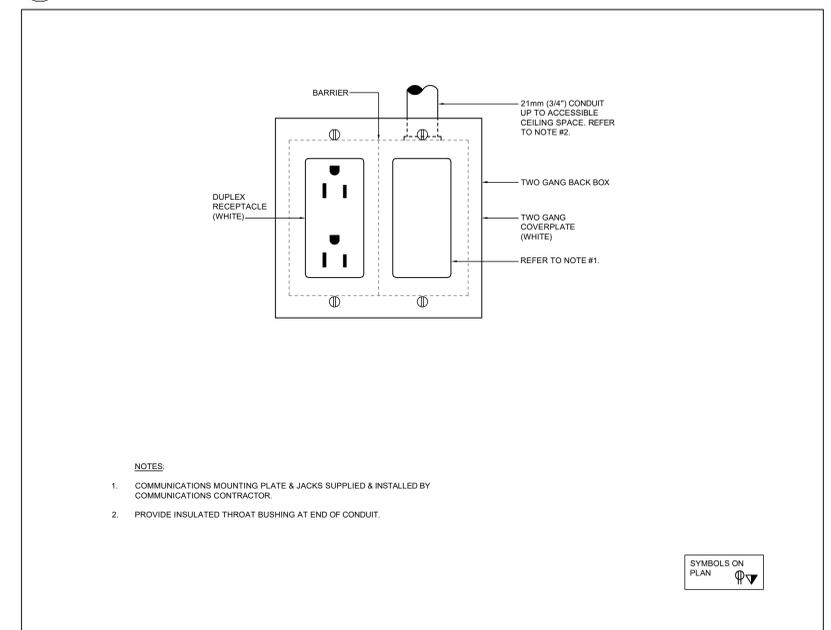
SCALE	AS SHOWN	DATE	2024/06/11
DRAWN	SE	CHECKED	OJ
PROJECT NO	241168	SHEET #	E-601



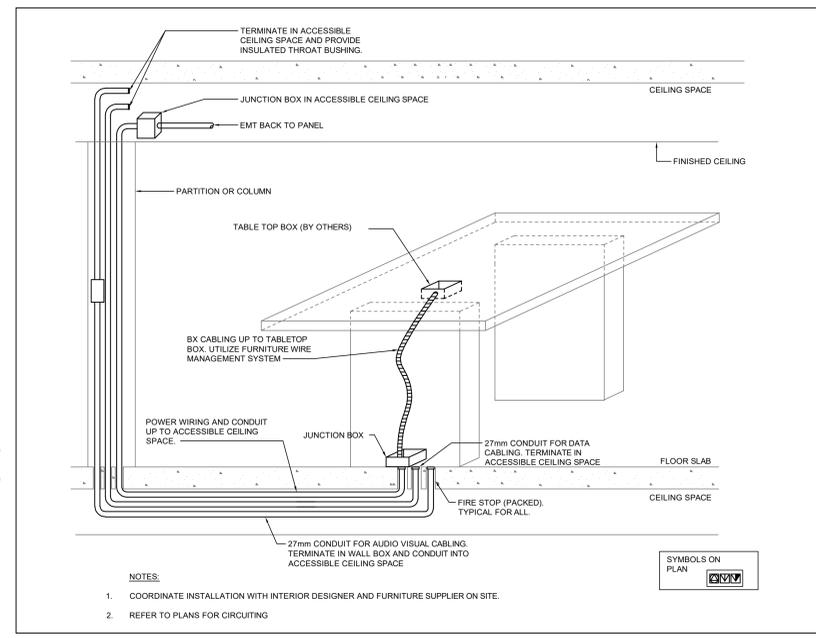
3 SINGLE DOOR ELECTRIC STRIKE DETAIL
SCALE: N.T.S.



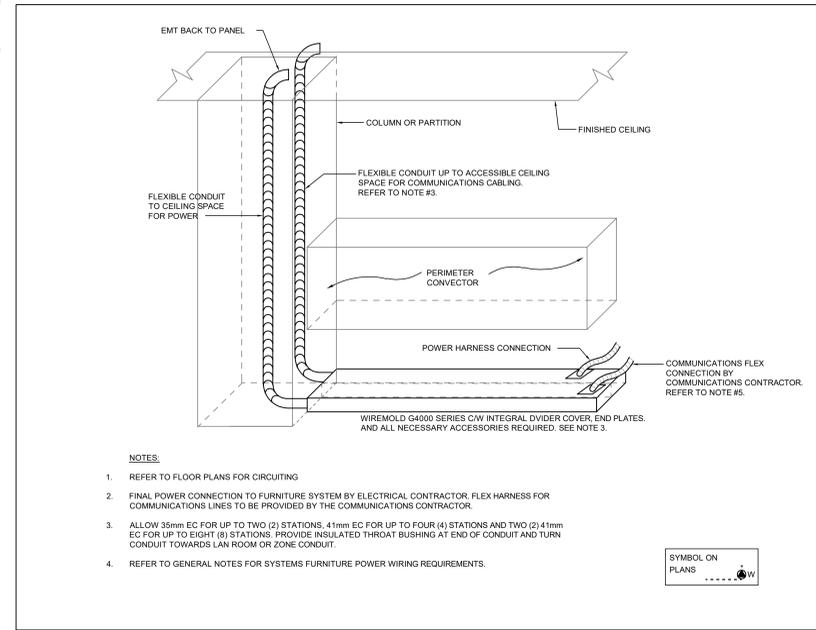
2 COMBO POWER, COMMUNICATIONS, AUDIO VISUAL WALL OUTLET DETAIL
SCALE: N.T.S.



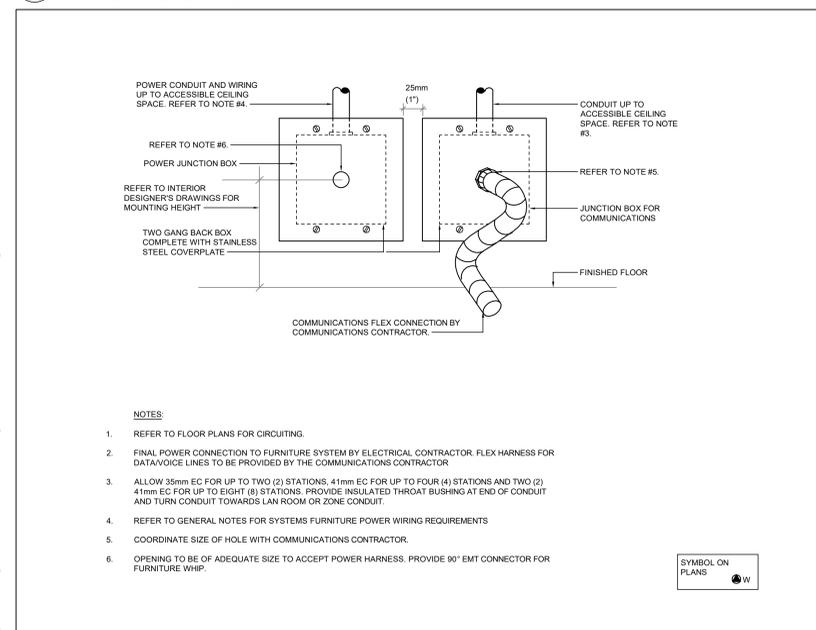
1 COMBO POWER/COMMUNICATION WALL OUTLET DETAIL
SCALE: N.T.S.



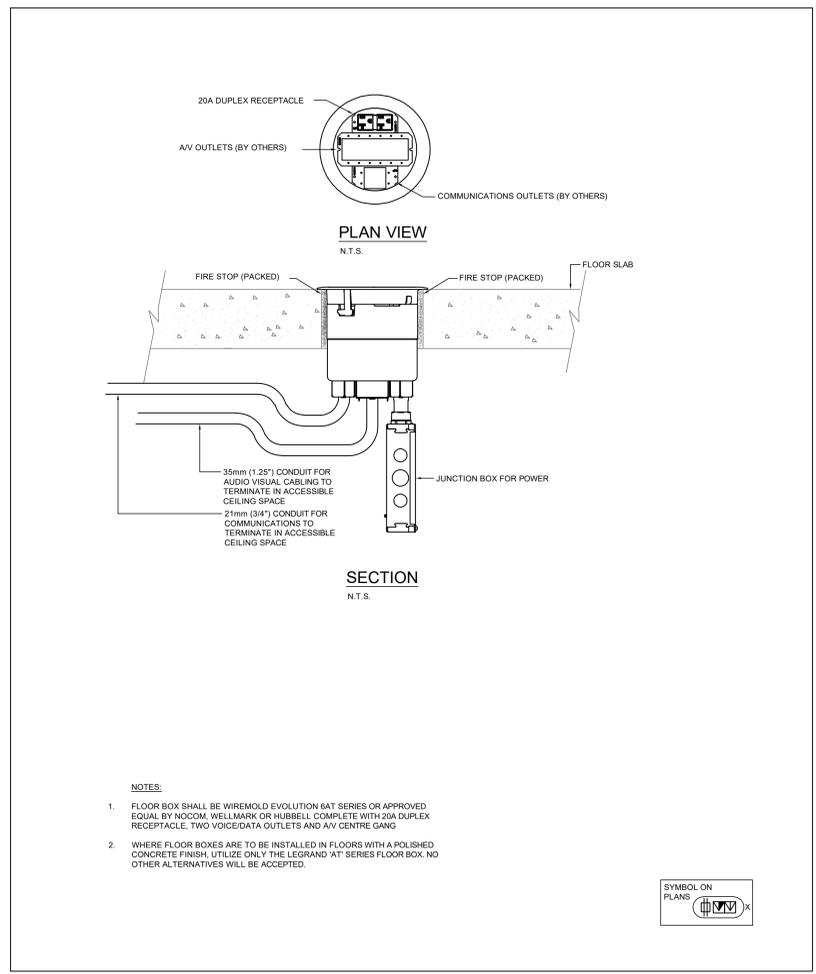
6 CONDUIT DETAIL FOR MEETING ROOM TABLES
SCALE: N.T.S.



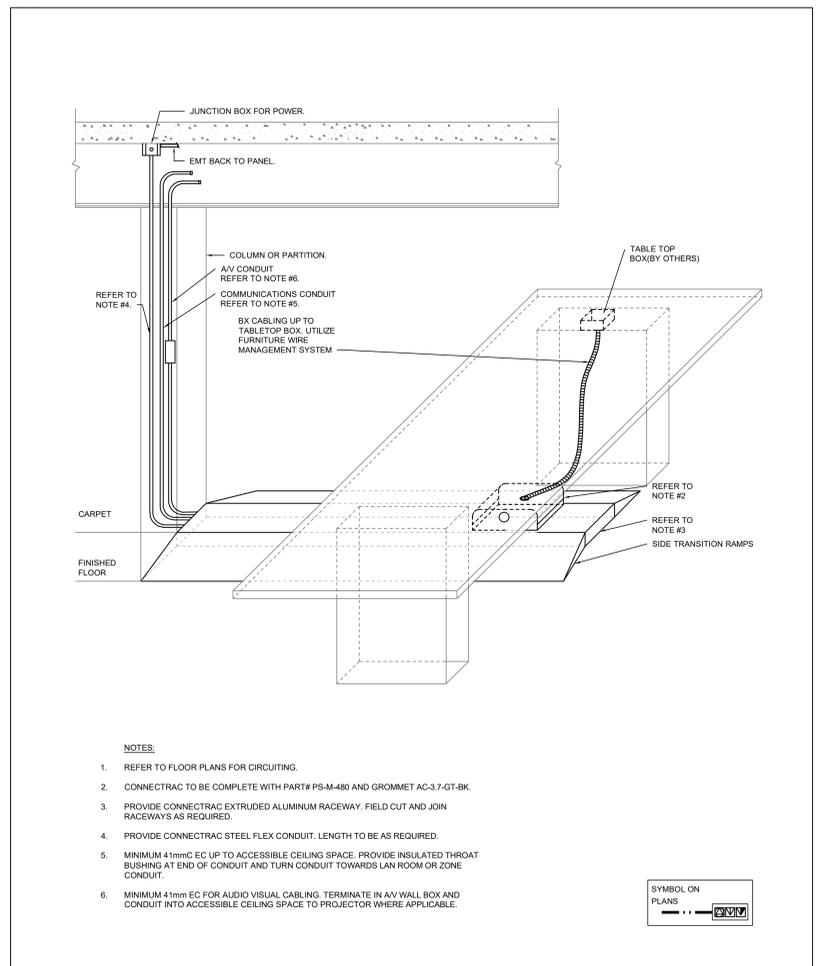
5 TYPICAL WIREMOLD DETAIL FOR DIRECT CONNECTION TO SYSTEMS FURNITURE
SCALE: N.T.S.



4 TYPICAL WALL OUTLET BOX DETAIL FOR DIRECT CONNECTIONS TO SYSTEMS FURNITURE
SCALE: N.T.S.



8 FLUSH MOUNTED 6" POKE THROUGH DETAIL
SCALE: N.T.S.



7 UNDERCARPET RACEWAY CONDUIT DETAIL FOR MEETING ROOM TABLES
SCALE: N.T.S.

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

SCALE	AS SHOWN	DATE	2024/06/11
DRAWN	SE	CHECKED	OJ
PROJECT NO	241168	SHEET #	E-601

LTG.	RECEPT.	MOTOR	HVAC	OTHER	KITCHEN	DESCRIPTION	LOAD	BRKR	CCT.	PH	CCT.	BRKR	LOAD	DESCRIPTION	LTG.	RECEPT.	MOTOR	HVAC	OTHER	KITCHEN	LOAD
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				
3	200					MEETING RMs 155 & 156	600	15	19	A	20	15	750	SUPERCOMPUTER		1	750				
							0	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	5900	0	0	0	0									TOTAL	0	4800	0	0	0	0	0

LOAD SUMMARY (KW)					
LTG.	RECEPT.	MOTOR	HVAC	OTHER	KITCHEN
0.00	1.70	0.00	0.00	0.00	0.00
100	100	100	100	100	100
0.00	1.70	0.00	0.00	0.00	0.00

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

PHASE LOAD (KW)		
A	B	C
4.30	3.55	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	LOAD
NO.	LOAD	NO.	LOAD	NO.	LOAD	NO.	LOAD	NO.	LOAD	NO.	LOAD	NO.	LOAD	NO.	LOAD	NO.	LOAD	NO.	LOAD	NO.	LOAD
						FCU-112	400	15	1	A	2	15	0								
						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

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	LOAD
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 111B & 114	400	15	7	A	8	15	400	LAB		2	200				
3	200					11B & 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

LOAD SUMMARY (KW)					
LTG.	RECEPT.	MOTOR	HVAC	OTHER	KITCHEN
0.00	1.70	0.00	0.00	0.00	0.00
100	100	100	100	100	100
0.00	1.70	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

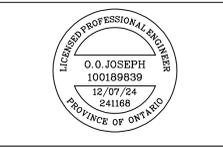
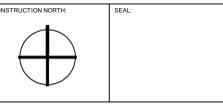
TYPE: NQOD
 LOCATION: ELECTRICAL ROOM
 FED FROM: DISTRIBUTION PANEL
 PHASE VOLTAGE: 120
 LINE VOLTAGE: 208
 PHASE: 3
 WIRE: 4
 MAINS [A]: 1200
 I.C. [KA]: 22

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