

ADDENDUM

No. 01

To: All Bidders

From: X-Design Inc.

CC:

Date: August 2, 2024

Project: COT ModernTO

Project #: 23-250

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 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 CONSULTANT'S/ARCHITECTS DRAWINGS FOR DIMENSIONS, FINISHES AND MOUNTING HEIGHTS OF DEVICES, ETC.
 - REFER ALSO TO COMMUNICATIONS, SECURITY, A/V, 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 TENANCIES 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 TIE-INS 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 TIE-INS 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 CABLEING AND DEVICES. THE SUPPLY AND INSTALLATION OF VOICE/DATA CABLEING 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 CABLEING 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 PULLSTATIONS 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 PULLSTATIONS 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	
Rep Contact			Lumens	2200
			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	
Rep Contact			Lumens	2200
			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	
Rep Contact			Lumens	1276lm/FT
			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.
	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 PULLSTATION.
	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 COMMUNICATION AND AUDIO VISUAL. "X" DENOTES TYPE. REFER TO ELECTRICAL SPECIFICATIONS OR DETAILS ON DRAWINGS FOR EXACT CONFIGURATION.
	HARDWIRE DIRECT CONNECTION TO SYSTEMS FURNITURE. 'F' DENOTES FLOOR, 'WM' DENOTES WALL, 'C' DENOTES CEILING.
	DIRECT CONNECTION OUTLET. (HARDWIRE 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 64000 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.
<u>ADDITIONAL NOMENCLATURE</u>	
<u>GENERAL</u>	
E	EXISTING TO REMAIN
R	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



4.	ISSUED FOR E&P	2024-08-01
3.	ISSUED FOR PERMIT TENDER	2024-07-02
2.	ISSUED FOR 90% PAGE TURN REVIEW	2024-07-08
1.	ISSUED FOR 75% PAGE TURN REVIEW	2024-06-28
No.	DESCRIPTION	DATE

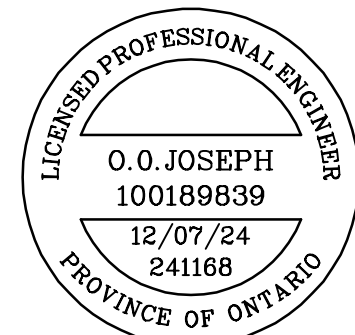
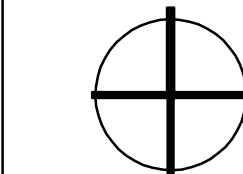
1135 DUNDAS ST. EAST, SUITE 200
TORONTO, ON, M6M 1R6
TEL: 416-462-3084
www.adeesigns.com

PROJECT
METRO HALL 11TH FLOOR - MINOR OFFICE RENOVATION

55 JOHN STREET, 11TH FLOOR TORONTO, ON

DRAWING
ELECTRICAL LEGEND, GENERAL NOTES & DRAWING LIST

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



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		

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PROJECT

**METRO HALL 11TH
FLOOR - MINOR
OFFICE RENOVATION**

55 JOHN STREET, 11TH
FLOOR TORONTO, ON

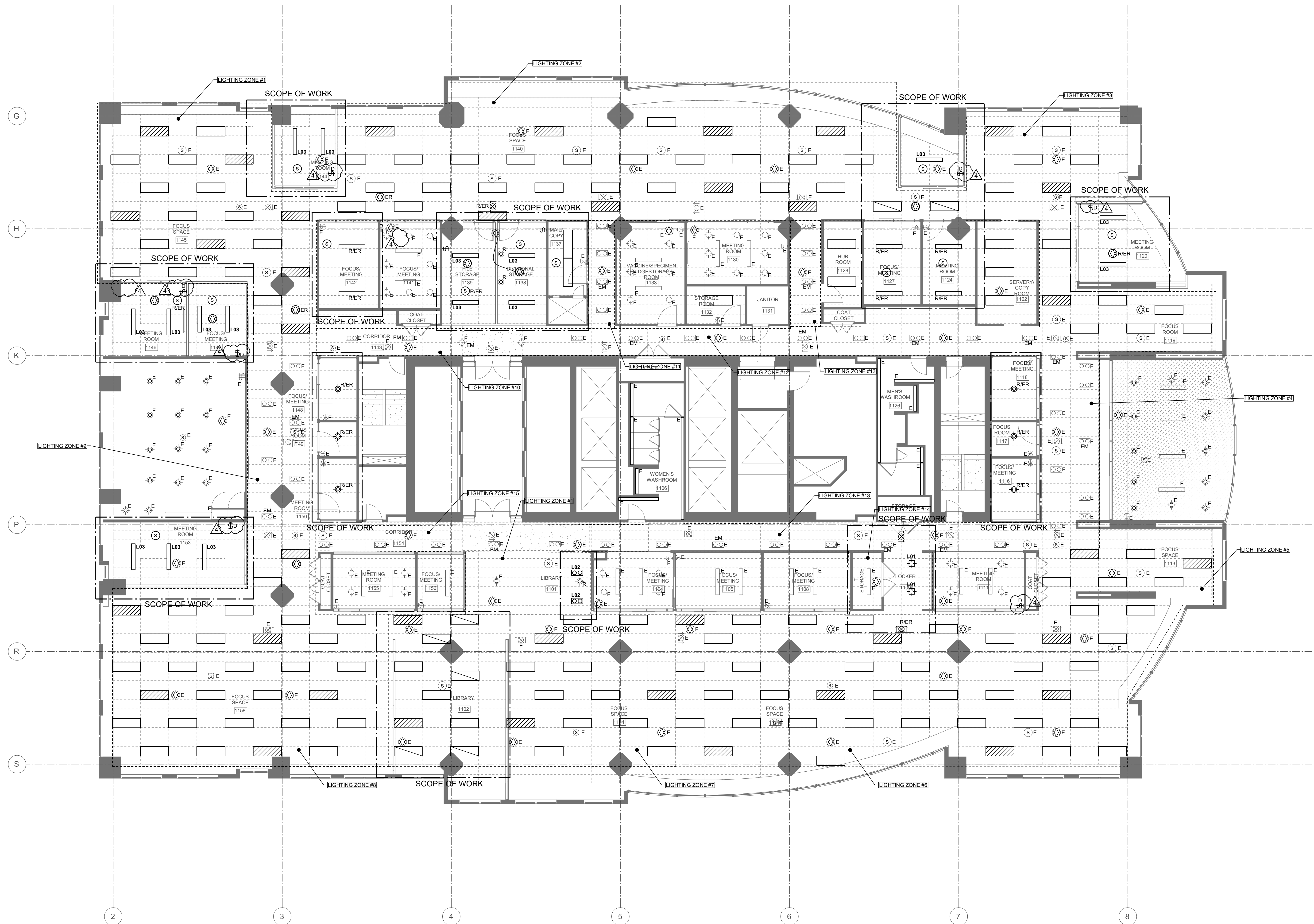
DRAWING

**11TH FLOOR -
DEMOLITION PLAN**

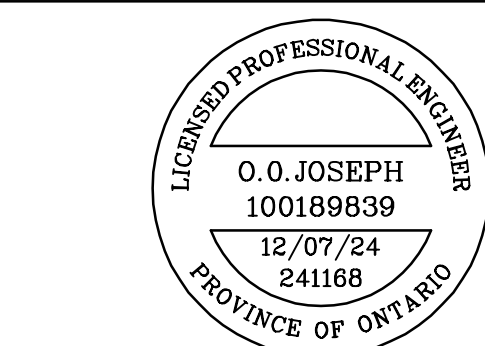
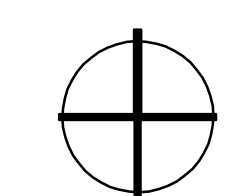
SCALE	DATE
1/8"=1'-0"	2024/06/11
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SE	OJ
PROJECT NO	SHEET #
241168	E-111

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.



CONSTRUCTION NORTH



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	2024-06-20

ISSUE RECORD

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PROJECT
METRO HALL 11TH FLOOR - MINOR OFFICE RENOVATION

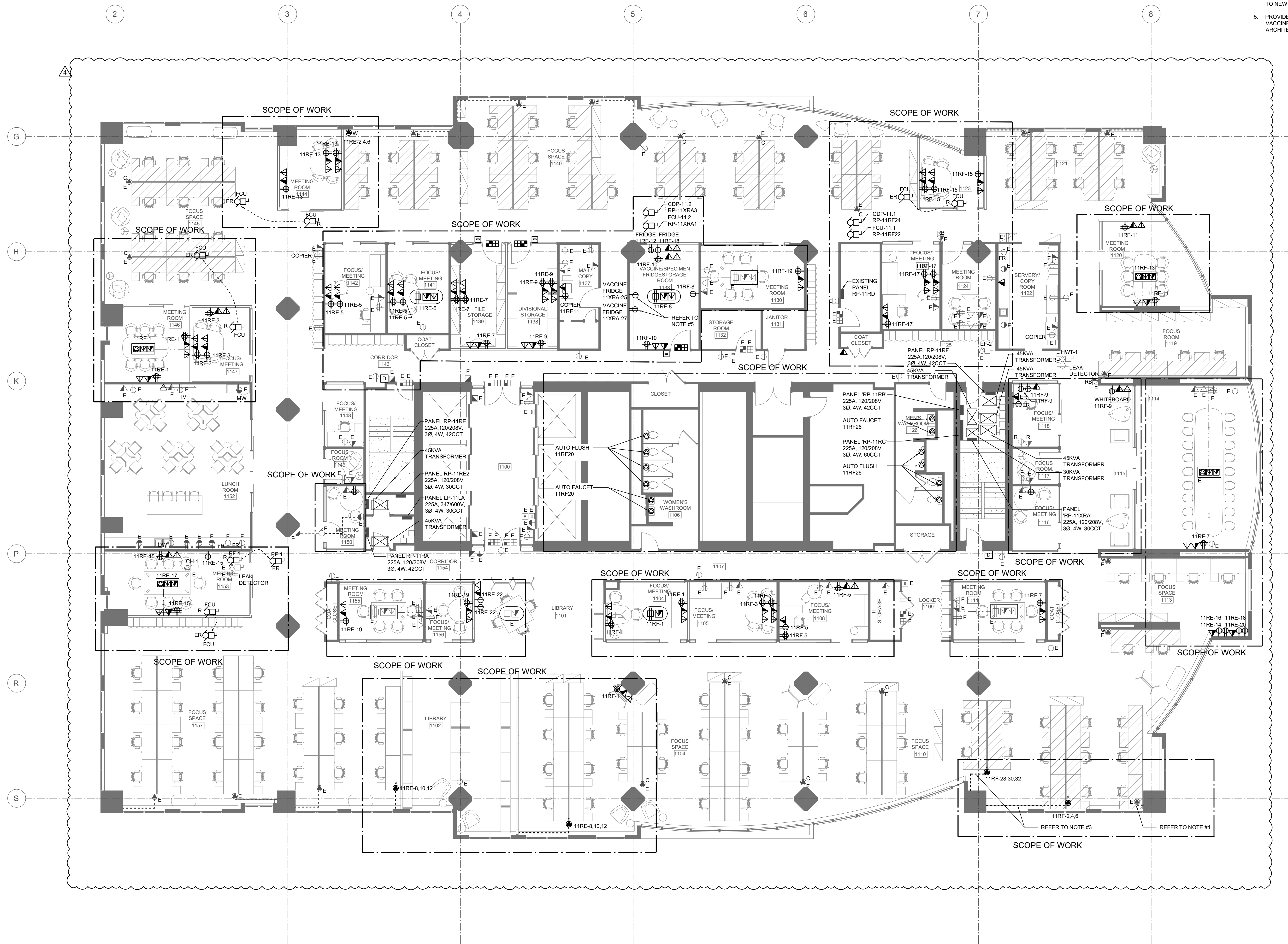
55 JOHN STREET, 11TH FLOOR TORONTO, ON

DRAWING
11TH FLOOR - LIGHTING PLAN

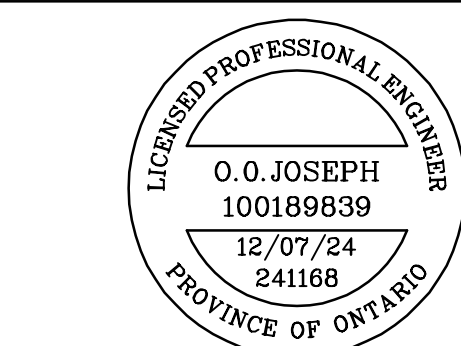
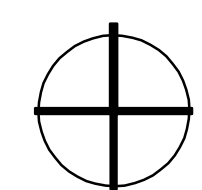
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PROJECT NO 241168	SHEET # E-211

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 11XRA TO FEED EACH VACCINE FRIDGE. COORDINATE THE EXACT LOCATION WITH THE ARCHITECT PRIOR TO ROUGH-INS.



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1.	ISSUED FOR 75% PAGE TURN REVIEW	2024-06-28

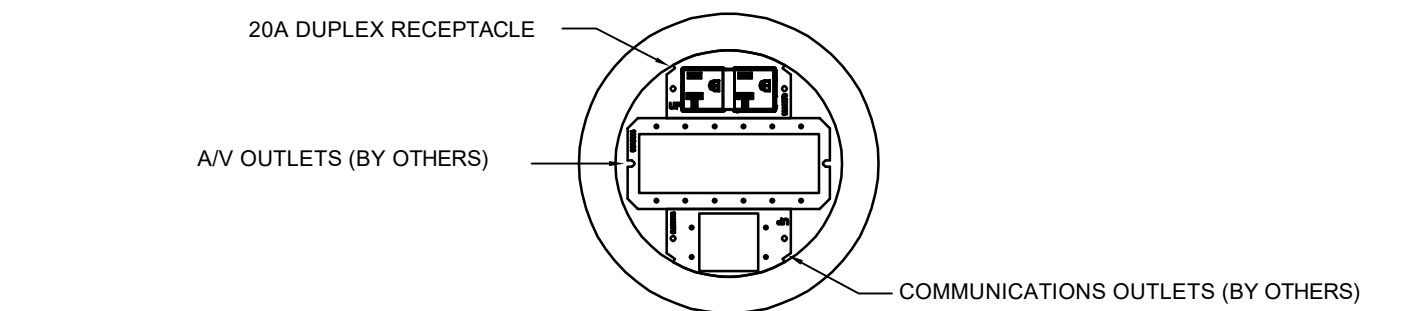
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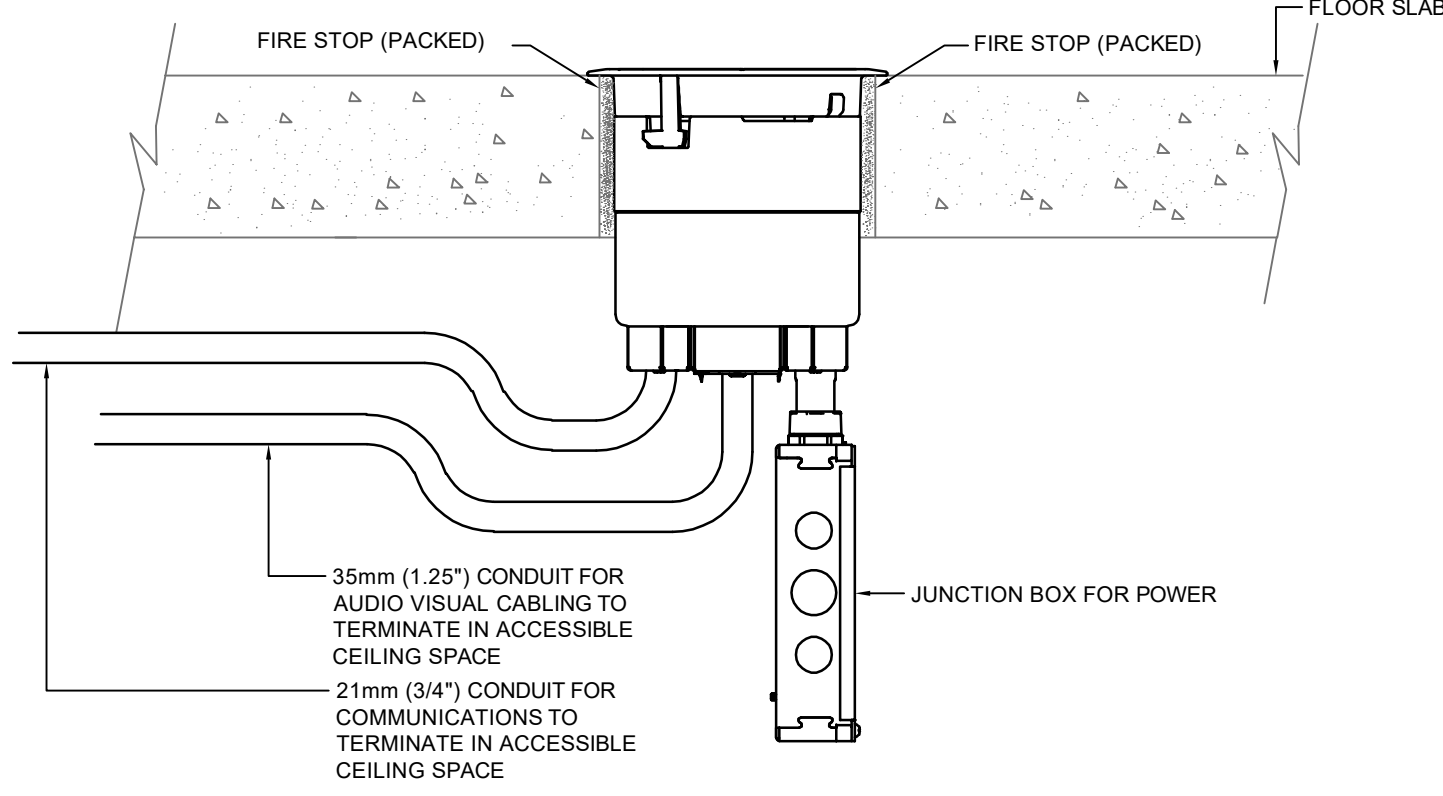
PROJECT
METRO HALL 11TH FLOOR - MINOR OFFICE RENOVATION
55 JOHN STREET, 11TH FLOOR TORONTO, ON

DRAWING
11TH FLOOR - POWER & SYSTEMS PLAN

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

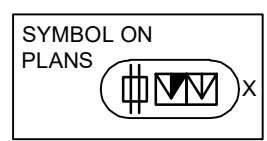


PLAN VIEW
N.T.S.



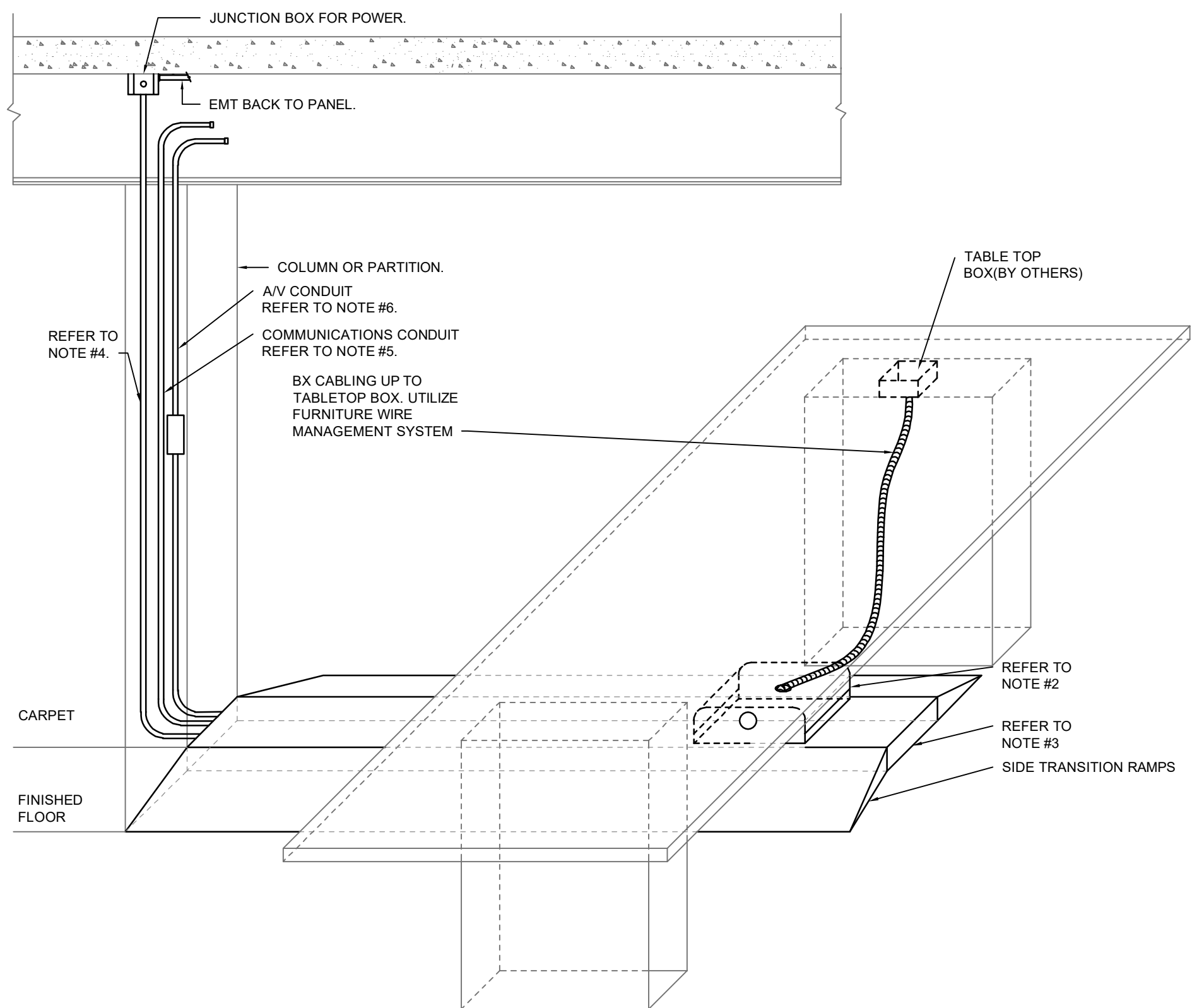
SECTION
N.T.S.

- NOTES:
- FLOOR BOX SHALL BE WIREMOLD EVOLUTION 6AT SERIES OR APPROVED EQUAL BY NOCOM, WELLMARK OR HUBBELL COMPLETE WITH 20A DUPLEX RECEPTACLE, TWO VOICE/DATA OUTLETS AND AV CENTRE GANG.
 - WHERE FLOOR BOXES ARE TO BE INSTALLED IN FLOORS WITH A POLISHED CONCRETE FINISH, UTILIZE ONLY THE LEGRAND 'AT' SERIES FLOOR BOX. NO OTHER ALTERNATIVES WILL BE ACCEPTED.

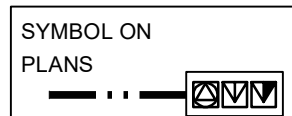


FLUSH MOUNTED 6" POKE THROUGH DETAIL

SCALE: N.T.S.

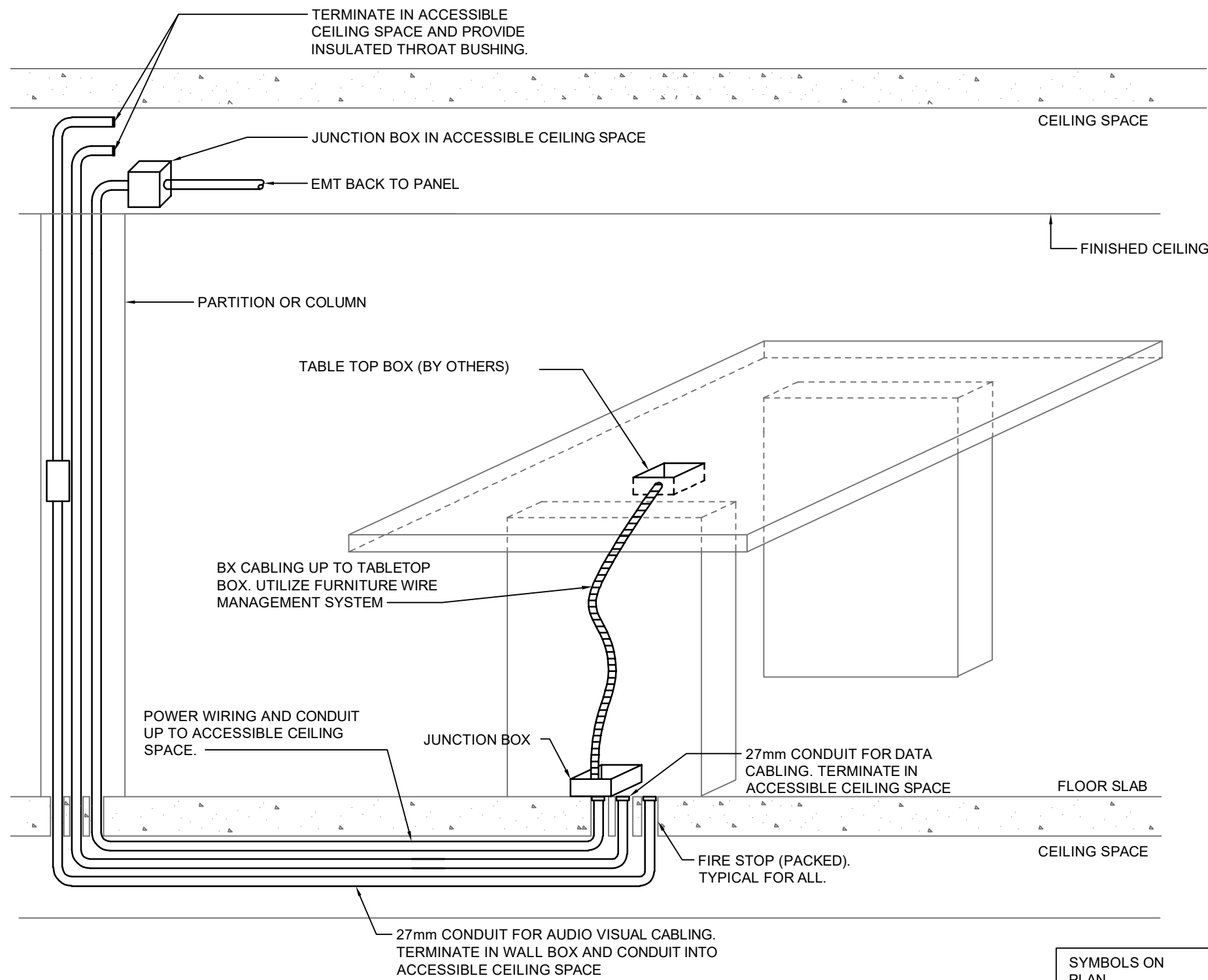


- NOTES:
- REFER TO FLOOR PLANS FOR CIRCUITING.
 - CONNECTRAC TO BE COMPLETE WITH PART# PS-M-480 AND GROMMET AC-3.7-GT-BK.
 - PROVIDE CONNECTRAC EXTRUDED ALUMINUM RACEWAY. FIELD CUT AND JOIN RACEWAYS AS REQUIRED.
 - PROVIDE CONNECTRAC STEEL FLEX CONDUIT. LENGTH TO BE AS REQUIRED.
 - MINIMUM 41mm EC UP TO ACCESSIBLE CEILING SPACE. PROVIDE INSULATED THROAT BUSHING AT END OF CONDUIT AND TURN CONDUIT TOWARDS LAN ROOM OR ZONE CONDUIT.
 - MINIMUM 41mm EC FOR AUDIO VISUAL CABLING. TERMINATE IN AV WALL BOX AND CONDUIT INTO ACCESSIBLE CEILING SPACE TO PROJECTOR WHERE APPLICABLE.

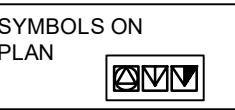


UNDERCARPET RACEWAY CONDUIT DETAIL FOR MEETING ROOM TABLES

SCALE: N.T.S.

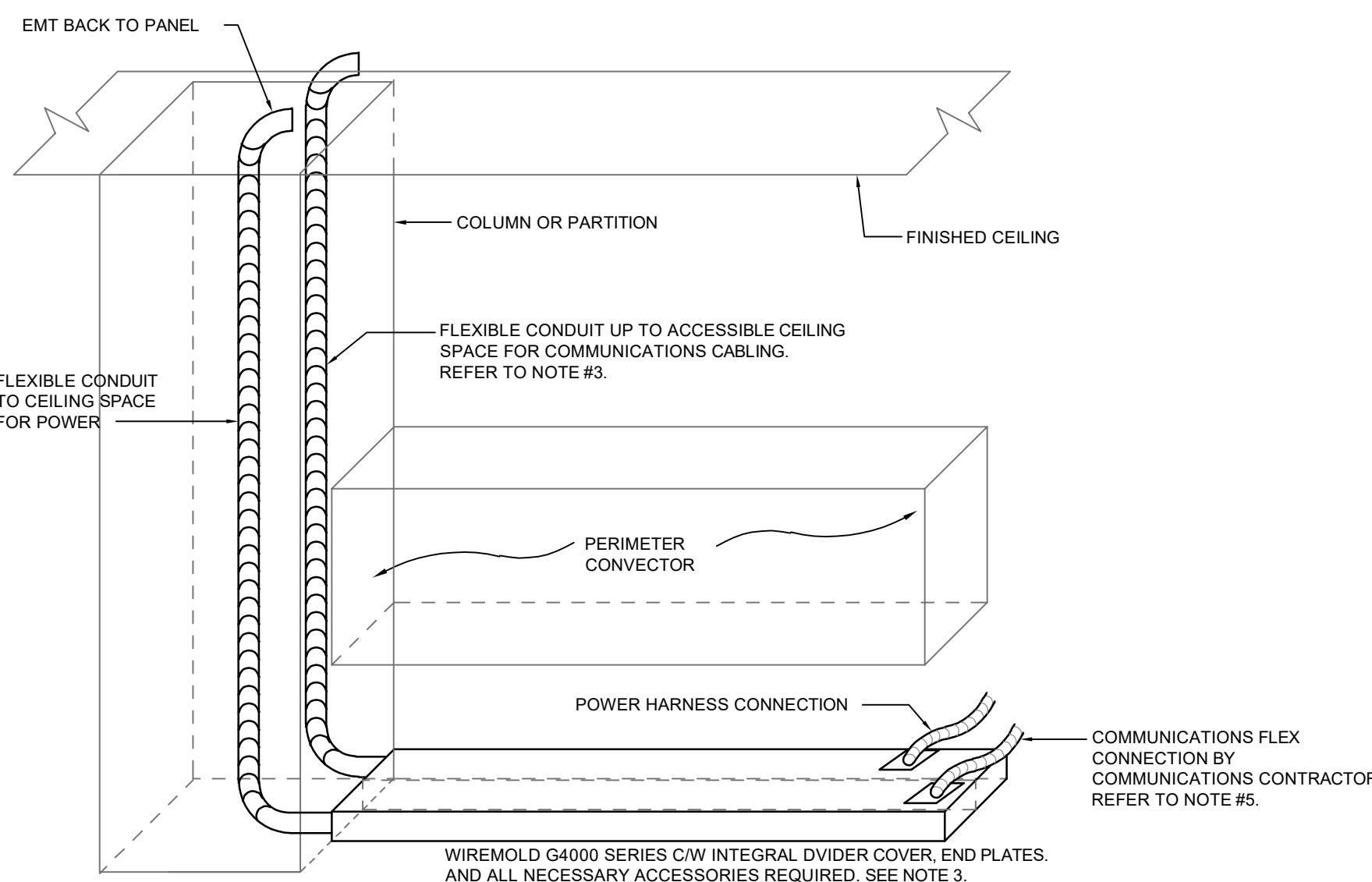


- NOTES:
- COORDINATE INSTALLATION WITH INTERIOR DESIGNER AND FURNITURE SUPPLIER ON SITE.
 - REFER TO PLANS FOR CIRCUITING

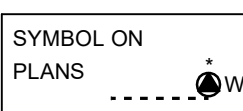


CONDUIT DETAIL FOR MEETING ROOM TABLES

SCALE: N.T.S.

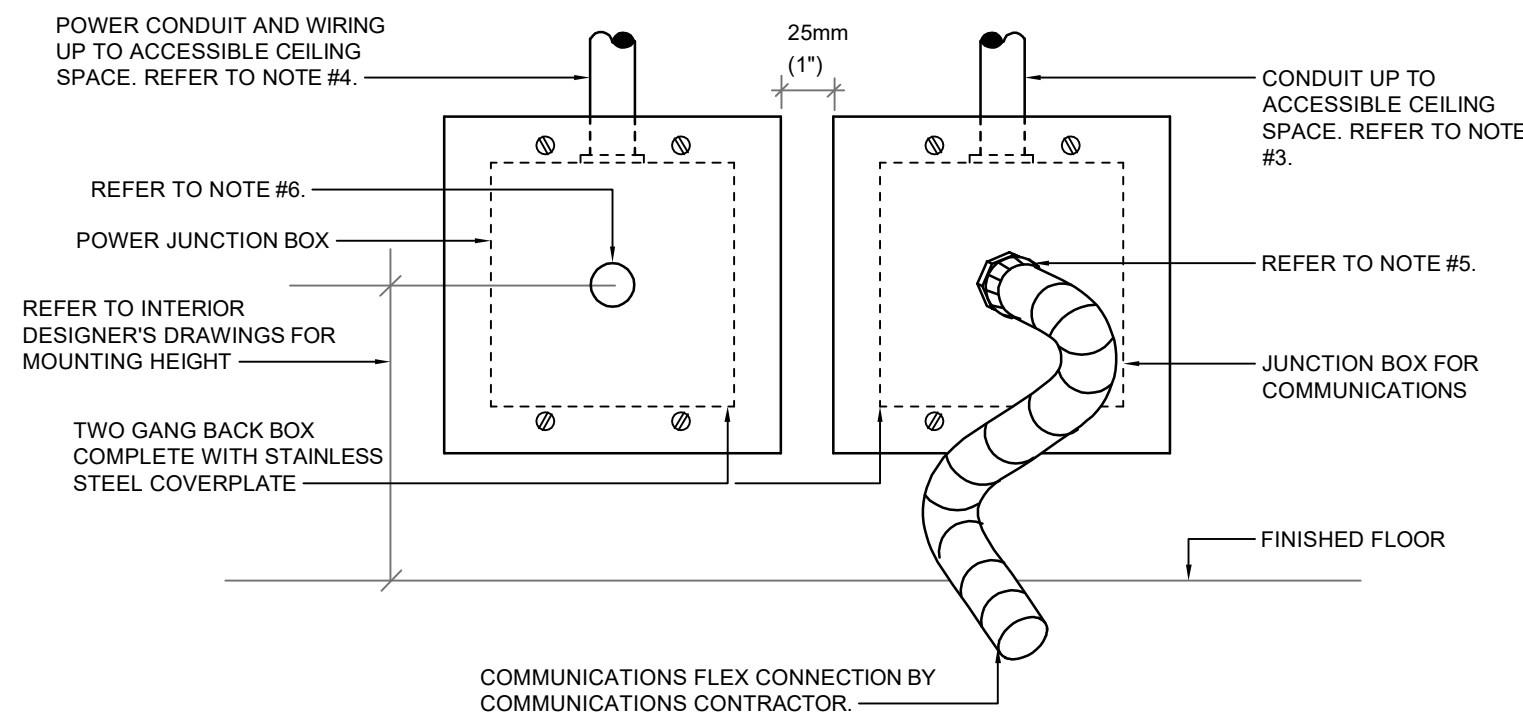


- NOTES:
- REFER TO FLOOR PLANS FOR CIRCUITING
 - FINAL POWER CONNECTION TO FURNITURE SYSTEM BY ELECTRICAL CONTRACTOR. FLEX HARNESS FOR COMMUNICATIONS LINES TO BE PROVIDED BY THE COMMUNICATIONS CONTRACTOR.
 - ALLOW 35mm EC FOR UP TO TWO (2) STATIONS, 41mm EC FOR UP TO FOUR (4) STATIONS AND TWO (2) 41mm EC FOR UP TO EIGHT (8) STATIONS. PROVIDE INSULATED THROAT BUSHING AT END OF CONDUIT AND TURN CONDUIT TOWARDS LAN ROOM OR ZONE CONDUIT.
 - REFER TO GENERAL NOTES FOR SYSTEMS FURNITURE POWER WIRING REQUIREMENTS.

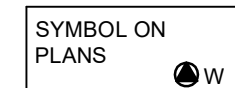


TYPICAL WIREMOLD DETAIL FOR DIRECT CONNECTION TO SYSTEMS FURNITURE

SCALE: N.T.S.

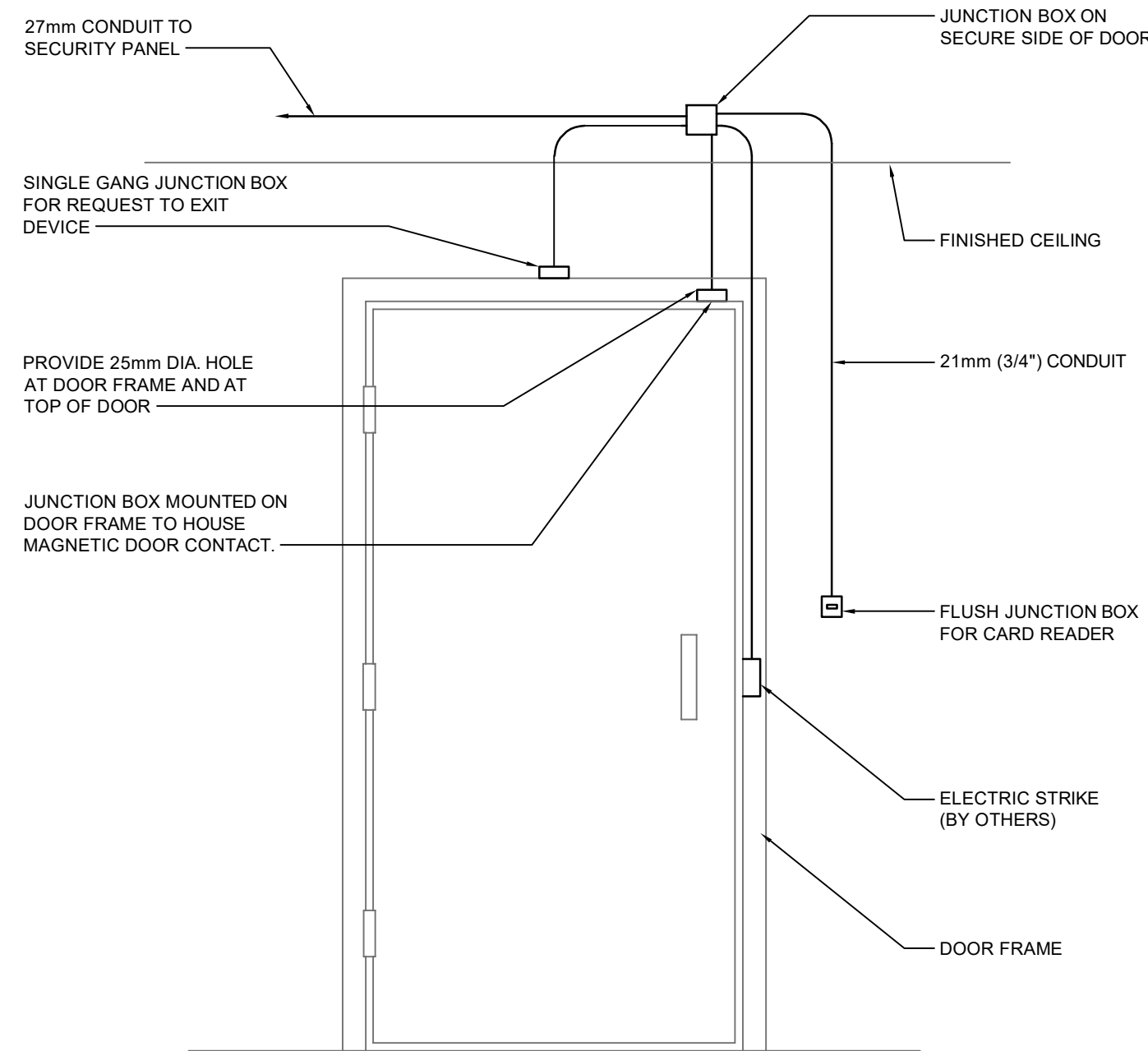


- NOTES:
- REFER TO FLOOR PLANS FOR CIRCUITING.
 - FINAL POWER CONNECTION TO FURNITURE SYSTEM BY ELECTRICAL CONTRACTOR. FLEX HARNESS FOR DATA/VOICE LINES TO BE PROVIDED BY THE COMMUNICATIONS CONTRACTOR.
 - ALLOW 35mm EC FOR UP TO TWO (2) STATIONS, 41mm EC FOR UP TO FOUR (4) STATIONS AND TWO (2) 41mm EC FOR UP TO EIGHT (8) STATIONS. PROVIDE INSULATED THROAT BUSHING AT END OF CONDUIT AND TURN CONDUIT TOWARDS LAN ROOM OR ZONE CONDUIT.
 - REFER TO GENERAL NOTES FOR SYSTEMS FURNITURE POWER WIRING REQUIREMENTS
 - COORDINATE SIZE OF HOLE WITH COMMUNICATIONS CONTRACTOR.
 - OPENING TO BE OF ADEQUATE SIZE TO ACCEPT POWER HARNESS. PROVIDE 90° EMT CONNECTOR FOR FURNITURE WHIP.



TYPICAL WALL OUTLET BOX DETAIL FOR DIRECT CONNECTIONS TO SYSTEMS FURNITURE

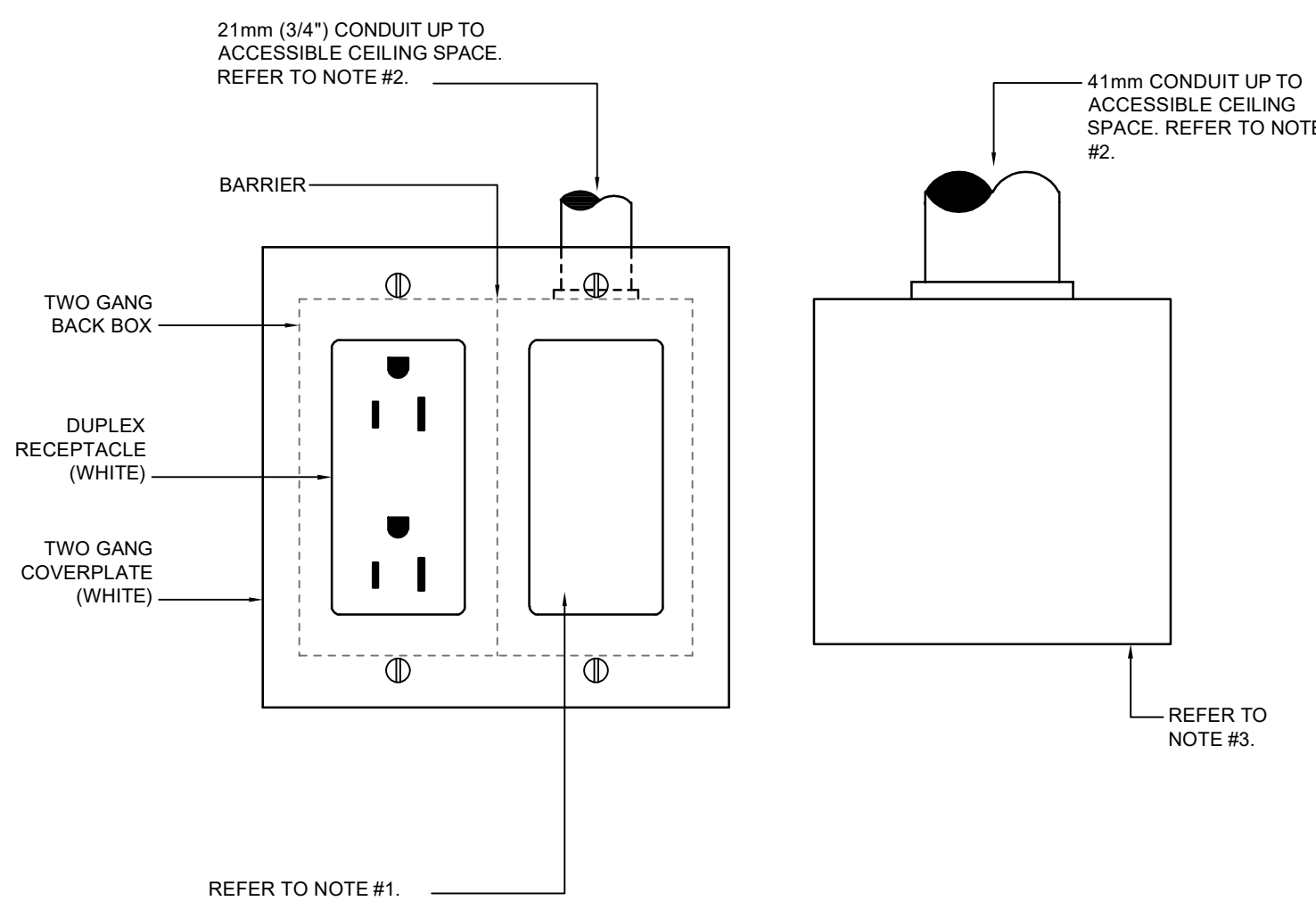
SCALE: N.T.S.



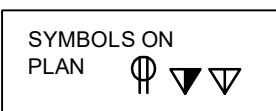
- NOTES:
- REFER TO PLAN DRAWINGS FOR EXACT QUANTITY AND TYPE OF DEVICES AT EACH DOOR.
 - ALL CONDUIT TO BE MARKED CLEARLY AT BOTH ENDS.
 - COORDINATE COMPLETE ROUGH-IN REQUIREMENTS WITH THE SECURITY SYSTEMS MANUFACTURER.
 - ALL CONDUITS SHALL BE 21mm (3/4") UNLESS NOTED OTHERWISE.

SINGLE DOOR ELECTRIC STRIKE DETAIL

SCALE: N.T.S.

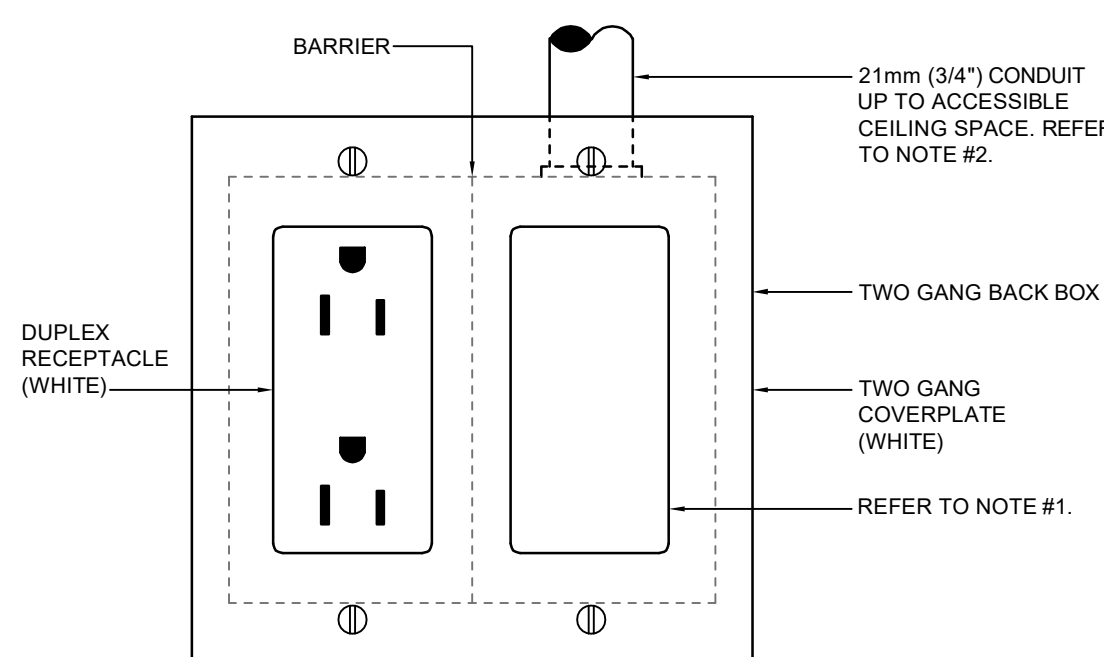


- NOTES:
- COMMUNICATIONS MOUNTING PLATE & JACKS FOR SUPPLIED & INSTALLED BY COMMUNICATIONS CONTRACTOR.
 - PROVIDE INSULATED THROAT BUSHING AT END OF CONDUIT.
 - PROVIDE 4" SQUARE DEEP BOX FOR AUDIO VISUAL OUTLETS COMPLETE WITH PLASTER RING AND INSULATED BUSHING AT END OF CONDUIT. AUDIO VISUAL COVERPLATE, MOUNTING PLATES AND JACKS SUPPLIED AND INSTALLED BY AUDIO VISUAL CONTRACTOR.

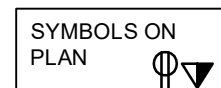


COMBO POWER, COMMUNICATIONS, AUDIO VISUAL WALL OUTLET DETAIL

SCALE: N.T.S.



- NOTES:
- COMMUNICATIONS MOUNTING PLATE & JACKS SUPPLIED & INSTALLED BY COMMUNICATIONS CONTRACTOR.
 - PROVIDE INSULATED THROAT BUSHING AT END OF CONDUIT.



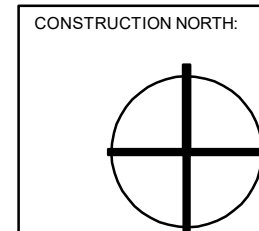
COMBO POWER/COMMUNICATION WALL OUTLET DETAIL

SCALE: N.T.S.

MULVEY & BANANI

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BUILDING DEPARTMENT SEAL



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

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www.adeesigninc.com

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

ELECTRICAL DETAILS

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

[illegible][illegible]

LOT DATE: 6/12/2024 11:04:31 AM
FILE NAME: C:\Users\Elizabeth\OneDrive - X-Design Inc\Documents\XD_23-250 Metro Hall_TPH_OPTION 3_elizbeth\NHTFB.m