

DRAWING LIST	
E101	ELECTRICAL LEGEND, DRAWING LIST & ABBREVIATIONS
E102	ELECTRICAL SCHEDULES
E201	LEVEL 200 FLOOR PLAN - LIGHTING & FIRE ALARM
E301	LEVEL 200 FLOOR PLAN - POWER & SYSTEMS
E302	LEVEL 200 FLOOR PLAN - BELOW FLOOR RACEWAYS
E401	LEVEL 200 FLOOR PLAN - LIGHTING & FIRE ALARM DEMO
E402	LEVEL 200 FLOOR PLAN - POWER & SYSTEMS DEMO
E501	PANEL SCHEDULES
E601	ELECTRICAL ROOM N106 AND MECHANICAL ROOM N401 DETAILS
E701	SINGLE LINE DIAGRAM
E801	ELECTRICAL DETAILS
E802	ELECTRICAL DETAILS
E803	ELECTRICAL DETAILS
E804	ELECTRICAL DETAILS

DIVISION OF WORK - COMMUNICATIONS AND AV SCOPE			
EQUIPMENT	SUPPLIED BY	INSTALLED BY	CABLING BY
CCTV CAMERAS	BROCK UNIVERSITY	BROCK UNIVERSITY	CONTRACTOR
CCTV NVR	BROCK UNIVERSITY	BROCK UNIVERSITY	CONTRACTOR
DIGITAL CLOCKS/DISPLAYS	BROCK UNIVERSITY	BROCK UNIVERSITY	CONTRACTOR
PHONES	BROCK UNIVERSITY	BROCK UNIVERSITY	CONTRACTOR
AUDIO AND VIDEO (AV) CABLING	BROCK UNIVERSITY	BROCK UNIVERSITY	BROCK UNIVERSITY
SOUND SYSTEM SPEAKERS (AV)	BROCK UNIVERSITY	BROCK UNIVERSITY	BROCK UNIVERSITY
MICROPHONES	BROCK UNIVERSITY	BROCK UNIVERSITY	BROCK UNIVERSITY
AV CONTROLLERS	BROCK UNIVERSITY	BROCK UNIVERSITY	BROCK UNIVERSITY
WIRELESS ACCESS POINTS	BROCK UNIVERSITY	BROCK UNIVERSITY	CONTRACTOR

NOTES:  
1. ALL CONDUIT, BOXES, FITTINGS, BUSHINGS, PULL STRINGS, ETC. ARE BASE BID, SUPPLIED AND INSTALLED BY THE CONTRACTOR. PROVIDE IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS.  
2. UNLESS OTHERWISE NOTED ON PLANS, CABLING IS CAT 6A.

ABBREVIATIONS			
A.F.F.	ABOVE FINISHED FLOOR	REM	EXISTING TO BE REMOVED
DS	DISCONNECT SWITCH	REL	EXISTING TO BE RELOCATED
EX	EXISTING TO BE REMAIN	REP	IF DASHED - EXISTING TO BE RELOCATED
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	REP	IF SOLID - EXISTING IN NEW LOCATION
OC	OVER COUNTER	NL	NIGHT LIGHT
VFD	VARIABLE FREQUENCY DRIVE		

ELECTRICAL GENERAL NOTES	
1.	REFER TO ARCHITECTURAL, STRUCTURAL AND MECHANICAL DRAWINGS, VISIT THE SITE AND BECOME THOROUGHLY FAMILIAR WITH THE EXISTING BUILDING, EQUIPMENT AND SYSTEMS TO DETERMINE THE FULL EXTENT OF DEMOLITION AND RENOVATION WORK.
2.	RENOVATIONS SHALL BE MADE ON THE EXISTING BUILDING AS INDICATED ON THE DRAWINGS AND SPECIFIED HEREIN. REMOVE ALL REDUNDANT ELECTRICAL EQUIPMENT AND CONDUITS. ONLY CONDUITS AND DEVICE BOXES THAT ARE IN VERY GOOD CONDITION MAY REMAIN AND BE REUSED. ALL EQUIPMENT REMOVED AND NOT REUSED SHALL BE HANDED OVER TO THE OWNER AND/OR BE DISCARDED AT THE OWNER'S DISCRETION.
3.	FISH FLEX CONDUIT THROUGH ALL EXISTING DRYWALL PARTITIONS, EXISTING FURRED WALLS, EXISTING DRYWALL CEILINGS AND EXISTING BLOCK WALLS FOR NEW LIGHTING, POWER AND COMMUNICATION DEVICES. IF WALLS CANNOT BE FISHED, PROVIDE V500/700 SURFACE RACEWAY AND ASSOCIATED SURFACE BOXES.
4.	WHERE EXISTING CONCRETE FLOORS ARE NOTED AS CUT/REMOVED, ALLOW FOR X-RAY/SCANNING TO LOCATE ALL REBAR AND SERVICES.

ELECTRICAL LEGEND					
SYMBOL	DESCRIPTION	MOUNTING	SYMBOL	DESCRIPTION	MOUNTING
<b>LIGHTING</b>					
	LED LUMINAIRE - NORMAL POWER	SEE LUMINAIRE SCHEDULE		DATA OUTLET	FLOOR MOUNTED
	LED LUMINAIRE - EMERGENCY POWER	SEE LUMINAIRE SCHEDULE		DATA OUTLET (# REFERS TO NUMBER OF JACKS)	FLOOR MOUNTED
	LED LUMINAIRE - NORMAL POWER	SEE LUMINAIRE SCHEDULE		WiFi DROP	CEILING
	LED LUMINAIRE - EMERGENCY POWER	SEE LUMINAIRE SCHEDULE		SINGLE DEVICE BOX CW/ BLANK COVER PLATE AND 3/4" CONDUIT TO ACCESSIBLE CEILING SPACE PROJECTOR	460mm (18") A.F.F. SEE DETAIL
	EXIT SIGN WITH OR WITHOUT DIRECTIONAL ARROWS	CEILING MOUNTED		DATA RACK	
	EXIT SIGN WITH OR WITHOUT DIRECTIONAL ARROWS	WALL MOUNTED AT CEILING	<b>SECURITY SYSTEMS</b>		
	EMERGENCY LIGHT REMOTE DUAL HEADS	CEILING MOUNTED		CARD READER	REFER TO MOUNTING HEIGHTS DETAIL
	ROOM CONTROLLER	CEILING ABOVE SWITCHES		SECURITY SYSTEM ARMDISARM KEY PAD	REFER TO MOUNTING HEIGHTS DETAIL
	OCCUPANCY SENSOR	WALL MOUNTED AT CEILING		MOTION DETECTOR	WALL AT CEILING
	OCCUPANCY SENSORS	CEILING MOUNTED		POWER TRANSFER DEVICE	
	SINGLE POLE SWITCH	REFER TO MOUNTING HEIGHTS DETAIL		PUSH BUTTON	AS NOTED
	LOW VOLTAGE SWITCH	REFER TO MOUNTING HEIGHTS DETAIL		CAMERA	AS NOTED
<b>FIRE ALARM</b>					
	SMOKE DETECTOR	CEILING MOUNTED		DOOR DETAIL TAG	
	135° RATE-OF-RISE/FIXED TEMPERATURE FIRE DETECTOR	CEILING MOUNTED	<b>WIRING AND CONDUIT</b>		
	FIRE ALARM SPEAKER - STROBE (15 CD)	RECESSED CEILING		GENERAL CIRCUIT CONDUIT	
	FIRE ALARM SPEAKER - STROBE (CD AS INDICATED)	RECESSED CEILING		CABLE TRAY	
	FIRE ALARM SPEAKER - STROBE (15 CD)	REFER TO FIRE ALARM MOUNTING HEIGHTS DETAIL		TWO CHANNEL FLOOR DUCT	BELOW FLOOR
	FIRE ALARM SPEAKER - STROBE (CD AS INDICATED)	REFER TO FIRE ALARM MOUNTING HEIGHTS DETAIL		EMT SLEEVE 50mm (2") EMT c/w BUSHINGS AND NYLON FISH WIRE	
	FIRE ALARM CONTROL PANEL	REFER TO FIRE ALARM MOUNTING HEIGHTS DETAIL		SURFACE RACEWAY (SHOWN WITH RECEPTACLES)	AS PER DEVICE HEIGHT
	END OF LINE RESISTOR	REFER TO FIRE ALARM MOUNTING HEIGHTS DETAIL	<b>SCHEMATIC</b>		
	ADDRESSABLE CONTROL MODULE	WALL AS NOTED		CIRCUIT BREAKER	
	PULL STATION	REFER TO FIRE ALARM MOUNTING HEIGHTS DETAIL		ISOLATION SWITCH	
<b>POWER</b>					
	1520 AMP 120 VOLT 3 WIRE GROUNDED DUPLEX RECEPTACLE CSA 5-15R OR CSA 5-20R	REFER TO MOUNTING HEIGHTS DETAIL		FUSIBLE DISCONNECT	
	1520 AMP 120 VOLT 3 WIRE GROUNDED DUPLEX RECEPTACLE	FLOOR MOUNTED		POTENTIAL TRANSFORMER	
	TWO 1520 AMP 120 VOLT 3 WIRE GROUNDED DUPLEX RECEPTACLES UNDER COMMON PLATE - NORMAL POWER DIRECT POWER CONNECTION	FLOOR MOUNTED		BAR TYPE CURRENT TRANSFORMER * - DENOTES NUMBER REQUIRED	
	DIRECT POWER CONNECTION	FLOOR MOUNTED		DIGITAL METERING SYSTEM	
	BARRIER FREE PUSH BUTTON	SEE ARCHITECTURAL		TRANSFORMER	
	KEY OPERATED SWITCH	REFER TO MOUNTING HEIGHTS DETAIL		AUTOMATIC TRANSFER SWITCH	
	TELEVISION CABLE OUTLET (# REFERS TO DETAIL NUMBER)	SEE DETAIL		ELECTRICAL PANEL - RISER DIAGRAM	
	MOTOR				
	VARIABLE FREQUENCY DRIVE				
	NONFUSED DISCONNECT SWITCH	AS NOTED			
	COMBINATION MAGNETIC STARTER	AS NOTED			
	TRANSFORMER - PLAN				
	GROUND BAR				
	ELECTRICAL PANEL	SEE PANEL SCHEDULE			
<b>COMMUNICATIONS</b>					
	ANALOG CLOCK	WALL MOUNTED			
	DIGITAL CLOCK	WALL MOUNTED			
	TELEPHONE OUTLET	REFER TO MOUNTING HEIGHTS DETAIL			
	DATA OUTLET	REFER TO MOUNTING HEIGHTS DETAIL			
	DATA OUTLET (# REFERS TO NUMBER OF JACKS)	REFER TO MOUNTING HEIGHTS DETAIL			
	DATA OUTLET - TWO JACKS (ONE FROM SOURCE A AND ONE FROM SOURCE B)	REFER TO MOUNTING HEIGHTS DETAIL			



## SCOTIA BANK HALL RENOVATION

**Chorley+Bisset**  
CONSULTING ENGINEERS  
201 QUEENS AVE., UNIT 800    250 CITY CENTRE AVE., SUITE 403  
LONDON ON, N6A 1J1    OTTAWA ON, K1R 6K7



DO NOT SCALE THE DRAWINGS. ALL MEASUREMENTS ARE TO BE CHECKED AND VERIFIED ON SITE BY THE CONTRACTOR. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK.  
COPYRIGHT © ALL RIGHTS RESERVED. DRAWINGS AND RELATED DOCUMENTS ARE THE COPYRIGHT OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST OR AT THE COMPLETION OF THE WORK. REPRODUCTION OF THESE DRAWINGS OR RELATED DOCUMENTS IN PART OR IN WHOLE, BY ELECTRONIC OR MECHANICAL MEANS, IS FORBIDDEN BY LAW WITHOUT THE PRIOR WRITTEN PERMISSION OF THE CONSULTANT.

2	TENDER	2025-03-21
1	BUILDING PERMIT	2025-03-14
No.	ISSUED FOR	DATE

### DRAWING TITLE: **ELECTRICAL LEGEND, DRAWING LIST & ABBREVIATIONS**

DRAWN:	AGB	SCALE:	AS NOTED	PROJECT NO.:	10348
CHECKED:	RDZ	DATE:	MARCH, 2025		

# E101

LUMINAIRE SCHEDULE

TYPE	MANUFACTURER	MOUNTING		LUMENS	SYSTEM WATTAGE	VOLTS	EQUAL MANUFACTURERS	NOTES
		TYPE	HEIGHT					
EP1-#	MARK ARCHITECTURAL LIGHTING CAT S4PID-LLP-#FT-MSL8-80CRI-40K-400LMF-#80CRI-#40K-#300LMF-BW-SCT-MINI-FL-DC-347-WHTT-ZT-SQCY-WHTCY-WCRD CONTINUOUS RUN LINEAR DIRECT AND INDIRECT LED PENDANT LUMINAIRE, SATIN WHITE ALUMINUM HOUSING, 4000K COLOUR TEMPERATURE, FROSTED ACRYLIC LENS, BATWING INDIRECT DISTRIBUTION, 0-10V DIMMING TO 1%, CLEAR DUST COVER, WHITE SQUARE CANOPY, WHITE CORD	SUSPENDED	3000mm A.F.F.	394/FT DIRECT 325/FT INDIRECT	5.1/FT	347	AXIS BEAM 4, COOPER DEFINE 4, AS APPROVED	# DENOTES CONTINUOUS RUN LENGTH, REFER TO FLOOR PLANS
EP2-#	MARK ARCHITECTURAL LIGHTING CAT S4PID-LLP-#FT-MSL8-80CRI-40K-600LMF-#80CRI-#40K-#300LMF-BW-SCT-MINI-FL-DC-347-WHTT-ZT-SQCY-WHTCY-WCRD CONTINUOUS RUN LINEAR DIRECT AND INDIRECT LED PENDANT LUMINAIRE, SATIN WHITE ALUMINUM HOUSING, 4000K COLOUR TEMPERATURE, FROSTED ACRYLIC LENS, BATWING INDIRECT DISTRIBUTION, 0-10V DIMMING TO 1%, CLEAR DUST COVER, WHITE SQUARE CANOPY, WHITE CORD	SUSPENDED	3800mm A.F.F.	575/FT DIRECT 325/FT INDIRECT	6.6/FT	347	AXIS BEAM 4, COOPER DEFINE 4, AS APPROVED	# DENOTES CONTINUOUS RUN LENGTH, REFER TO FLOOR PLANS
ER-#	MARK ARCHITECTURAL LIGHTING CAT SL4L-LOP-#FT-FLP-80CRI-40K-400LMF-MINI-347-ZT CONTINUOUS RUN LINEAR LED RECESSED LUMINAIRE, SATIN WHITE ALUMINUM HOUSING, 4000K COLOUR TEMPERATURE, FROSTED ACRYLIC LENS, 0-10V DIMMING TO 1%	RECESSED	CEILING	314/FT	4.0/FT	347	AXIS BEAM 4, COOPER DEFINE 4, AS APPROVED	# DENOTES CONTINUOUS RUN LENGTH, REFER TO FLOOR PLANS
G1	GOTHAM CAT EV04PC-40/10-AR-LS-MWD-347-GZ1-PCAN-S#-DBL 100mm APERTURE STEM MOUNTED LED DOWNLIGHT, MATTE BLACK ALUMINUM HOUSING, 4000K COLOUR TEMPERATURE, 0-10V DIMMING TO 1%	SUSPENDED	SEE NOTES	1001	8.8	347	CALCULITE, COOPER, AS APPROVED	# DENOTES STEM LENGTH, COORDINATE LENGTH WITH ARCHITECTURAL PLANS PRIOR TO ORDERING
G2	GOTHAM CAT EV04PC-40/15-AR-LS-MWD-347-GZ1-PCAN-S#-DBL 100mm APERTURE STEM MOUNTED LED DOWNLIGHT, MATTE BLACK ALUMINUM HOUSING, 4000K COLOUR TEMPERATURE, 0-10V DIMMING TO 1%	SUSPENDED	SEE NOTES	1527	13.7	347	CALCULITE, COOPER, AS APPROVED	# DENOTES STEM LENGTH, COORDINATE LENGTH WITH ARCHITECTURAL PLANS PRIOR TO ORDERING

NOTES:  
 1. REFER TO ARCHITECTURAL REFLECTED CEILING DRAWINGS TO CONFIRM LUMINAIRE MOUNTING PRIOR TO ORDERING, INCLUDING CORD AND SUPPORT LENGTHS. SUPPLY APPROPRIATE MOUNTING CLIPS AND/OR TRIMS AS REQUIRED. ALL LINEAR LUMINAIRES TO BE CONTINUOUS RUNS.  
 2. PROVIDE ALL ACCESSORIES AS REQUIRED. PROVIDE LOW PROFILE SURFACE RACEWAY TO CONCEAL ALL EXPOSED WIRING.  
 3. CONTRACTOR TO VERIFY VOLTAGE OF ALL LUMINAIRES PRIOR TO ORDERING.  
 4. EQUAL MANUFACTURERS TO SUBMIT WORKING SAMPLES TO CONSULTANT MINIMUM OF 5 WORKING DAYS PRIOR TO TENDER CLOSING.

MECHANICAL EQUIPMENT SCHEDULE

ITEM	DESCRIPTION	LOCATION	EQUIPMENT SUPPLIED AND INSTALLED BY DIVISION 25, WIRED BY DIVISION 26				CONTROL EQUIPMENT SUPPLIED AND INSTALLED BY DIVISION 26		FED FROM	BREAKER/FUSE SIZE	POLES	CONDUCTOR SIZE	CONDUIT SIZE	NOTES
			hp	MCA	PHASE	VOLTS	STARTER/ CONTROL TYPE							
NEW EQUIPMENT														
FC-401	FAN COIL UNIT	SEE FLOOR PLANS	2@14		1	120	DS	PANEL 2NA2	15	1	2 #12 + #12 BND	21mm		
FF-421	FORCE FLOW HEATER	SEE FLOOR PLANS	FHP		1	120	DS	PANEL 2NA2	15	1	2 #12 + #12 BND	21mm		
EXISTING EQUIPMENT														
AHU-N1	SF-N1: SUPPLY	MECHANICAL PENTHOUSE N401	15		3	600	DS, VFD, SEE NOTES	MCC 6NA4	EX 30A	3	3 #10 + #10 BND	21mm	PROVIDE AEGIS SHAFT GROUNDING RINGS ON EXISTING MOTOR. PROVIDE OUTPUT FILTER AND VFD, REFER TO SPECIFICATION 26 29 23 AND PARTIAL SINGLE LINE DIAGRAM. NOTE 4.	
	RF-N1: RETURN		5		3	600	DS, VFD, SEE NOTES	MCC 6NA4	EX 15A	3	3 #10 + #10 BND	21mm	PROVIDE AEGIS SHAFT GROUNDING RINGS ON EXISTING MOTOR. PROVIDE OUTPUT FILTER AND VFD, REFER TO SPECIFICATION 26 29 23 AND PARTIAL SINGLE LINE DIAGRAM. NOTE 4.	

NOTES:  
 1. DIVISION 26 TO OBTAIN COPIES OF MECHANICAL EQUIPMENT SHOP DRAWINGS AND COORDINATE ELECTRICAL SERVICES.  
 2. PROVIDE LOCAL NON-FUSED DISCONNECT SWITCHES AT MOTORS IN ACCORDANCE WITH SECTION 28-604 OF THE ONTARIO ELECTRICAL SAFETY CODE.  
 3. UNLESS INDICATED OTHERWISE ALL CONTROL WIRING IS BY DIVISION 25.  
 4. EXISTING FAN IS TIED INTO FIRE ALARM SYSTEM TO SHUTDOWN UPON ACTIVATION OF DUCT SMOKE DETECTOR. PROVIDE CONTACTS TO VFD FOR UNIT SHUTDOWN AS DESCRIBED IN 26 29 23.



SCOTIA BANK HALL RENOVATION



**Chorley + Bisset**  
 CONSULTING ENGINEERS  
 201 QUEENS AVE., UNIT 800 LONDON ON, N6A 1J1    250 CITY CENTRE AVE., SUITE 403 OTTAWA ON, K1R 6K7



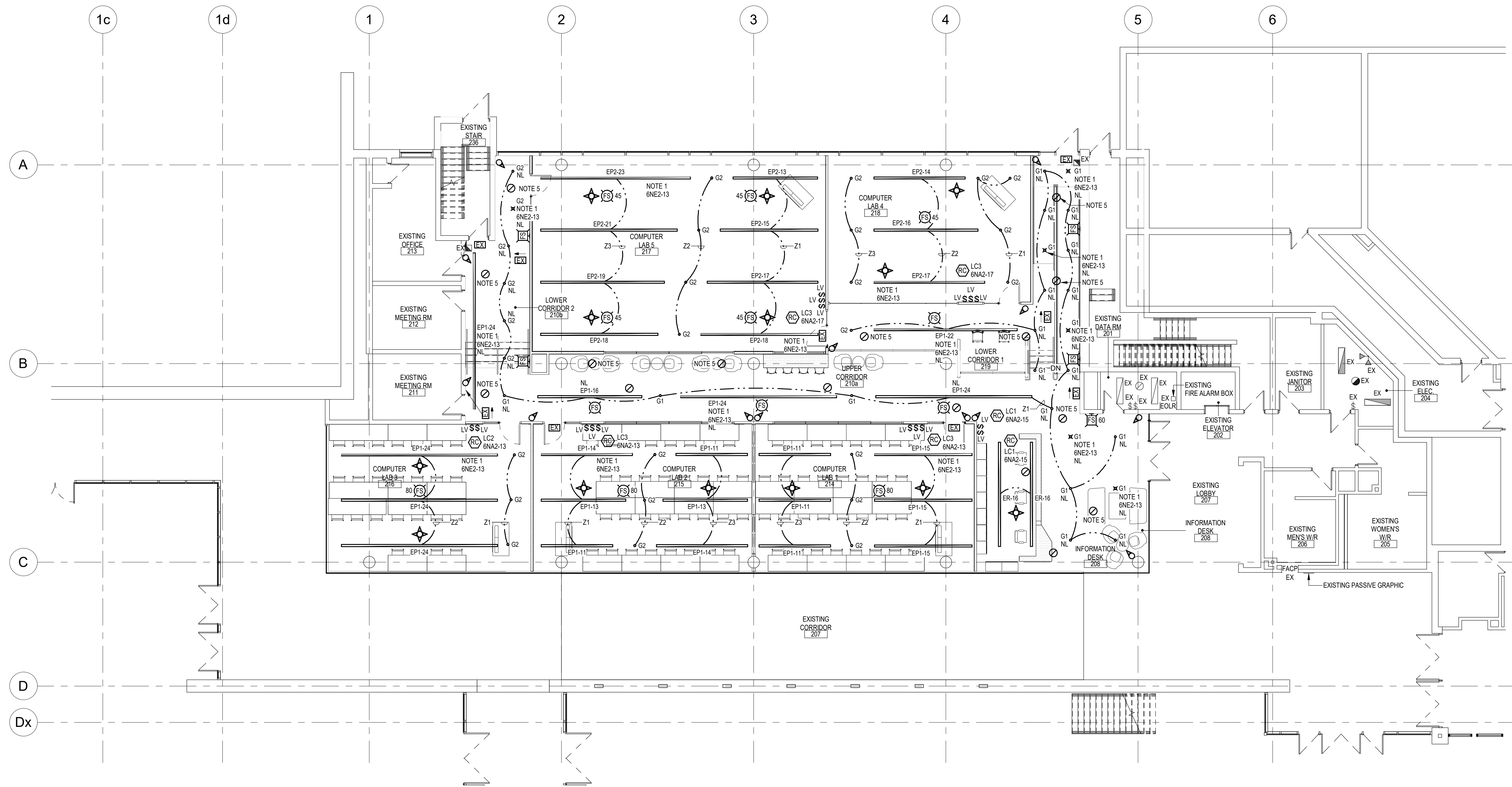
DO NOT SCALE THE DRAWINGS. ALL MEASUREMENTS ARE TO BE CHECKED AND VERIFIED ON SITE BY THE CONTRACTOR. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK.  
 COPYRIGHT © ALL RIGHTS RESERVED. DRAWINGS AND RELATED DOCUMENTS ARE THE COPYRIGHT OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST OR AT THE COMPLETION OF THE WORK. REPRODUCTION OF THESE DRAWINGS OR RELATED DOCUMENTS IN PART OR IN WHOLE, BY ELECTRONIC OR MECHANICAL MEANS, IS FORBIDDEN BY LAW WITHOUT THE PRIOR WRITTEN PERMISSION OF THE CONSULTANT.

2	TENDER	2025-03-21
1	BUILDING PERMIT	2025-03-14
No.	ISSUED FOR	DATE

DRAWING TITLE:  
**ELECTRICAL SCHEDULES**

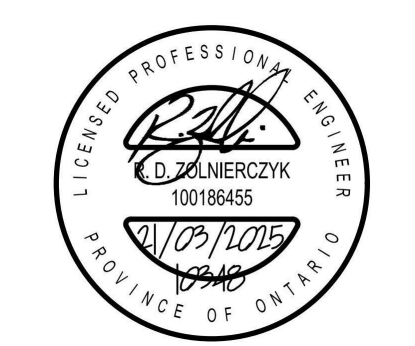
DRAWN: AGB    SCALE: AS NOTED    PROJECT NO: 10348  
 CHECKED: RDZ    DATE: MARCH, 2025

E102



**LEVEL 200 FLOOR PLAN - LIGHTING & FIRE ALARM**  
SCALE 1:100

- NOTES:**
- PROVIDE UL-924 RELAYS FOR EMERGENCY LIGHTING. NORMAL AND EMERGENCY LIGHTING TO BE CONTROLLED TOGETHER UNDER NORMAL OPERATION. REFER TO EMERGENCY SWITCHING DETAIL. ALL CORRIDOR LIGHTING TO BE CONNECTED AS NIGHTLIGHTING (ALWAYS ON).
  - IN GENERAL, CONNECT NEW EXIT SIGNS TO EXISTING 347V CIRCUIT SERVING EXIT SIGNS IN THE AREA. EXIT SIGNS ARE FED FROM EXISTING PANEL 6NE2.
  - IN GENERAL, EXTEND/REWORK EXISTING FIRE ALARM SIGNALING CIRCUIT SERVING THE AREA TO SUIT NEW LAYOUT. REPLACE END OF LINE RESISTORS AS REQUIRED. STROBE PATTERN TO MATCH EXISTING.
  - WHERE FIRE ALARM DETECTORS ARE ABOVE CEILINGS OR BAFFLES, PROVIDE REMOTE INDICATORS.
  - LOCATE DETECTOR ON EXPOSED DECK/SURFACE. POSITION TO ENSURE DEVICE IS ACCESSIBLE FOR TESTING BETWEEN BAFFLES OR BESIDE SUSPENDED ACT. ALL OTHER SMOKE DETECTORS SHALL BE INSTALLED ON ACT/GYPSUM CEILINGS.
  - EXISTING NORMAL AND EMERGENCY POWER LIGHTING IS CONTROLLED VIA LIGHTING RELAY PANEL. CONNECT TO NOTED CIRCUIT UPSTREAM OF RELAY PANEL.



DO NOT SCALE THE DRAWINGS. ALL MEASUREMENTS ARE TO BE CHECKED AND VERIFIED ON SITE BY THE CONTRACTOR. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK. COPYRIGHT © ALL RIGHTS RESERVED. DRAWINGS AND RELATED DOCUMENTS ARE THE COPYRIGHT OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST OR AT THE COMPLETION OF THE WORK. REPRODUCTION OF THESE DRAWINGS OR RELATED DOCUMENTS IN PART OR IN WHOLE, BY ELECTRONIC OR MECHANICAL MEANS, IS FORBIDDEN BY LAW WITHOUT THE PRIOR WRITTEN PERMISSION OF THE CONSULTANT.

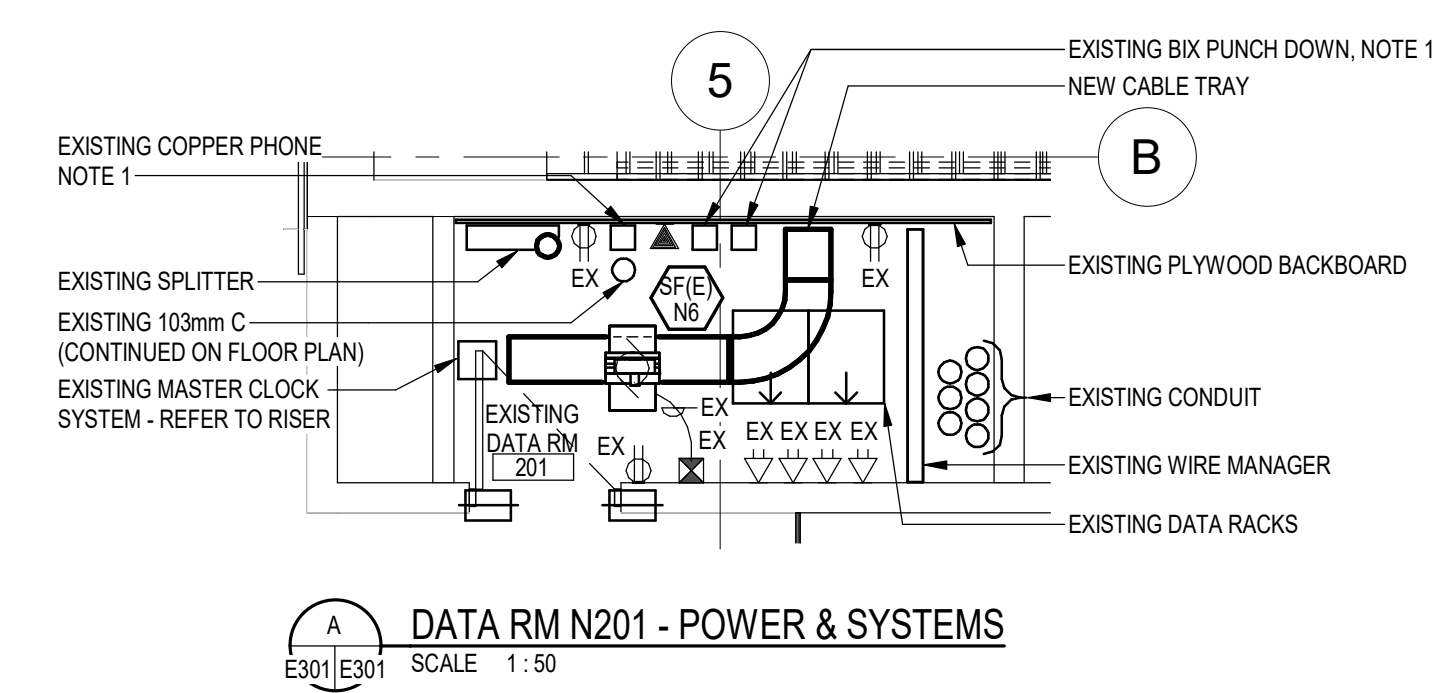
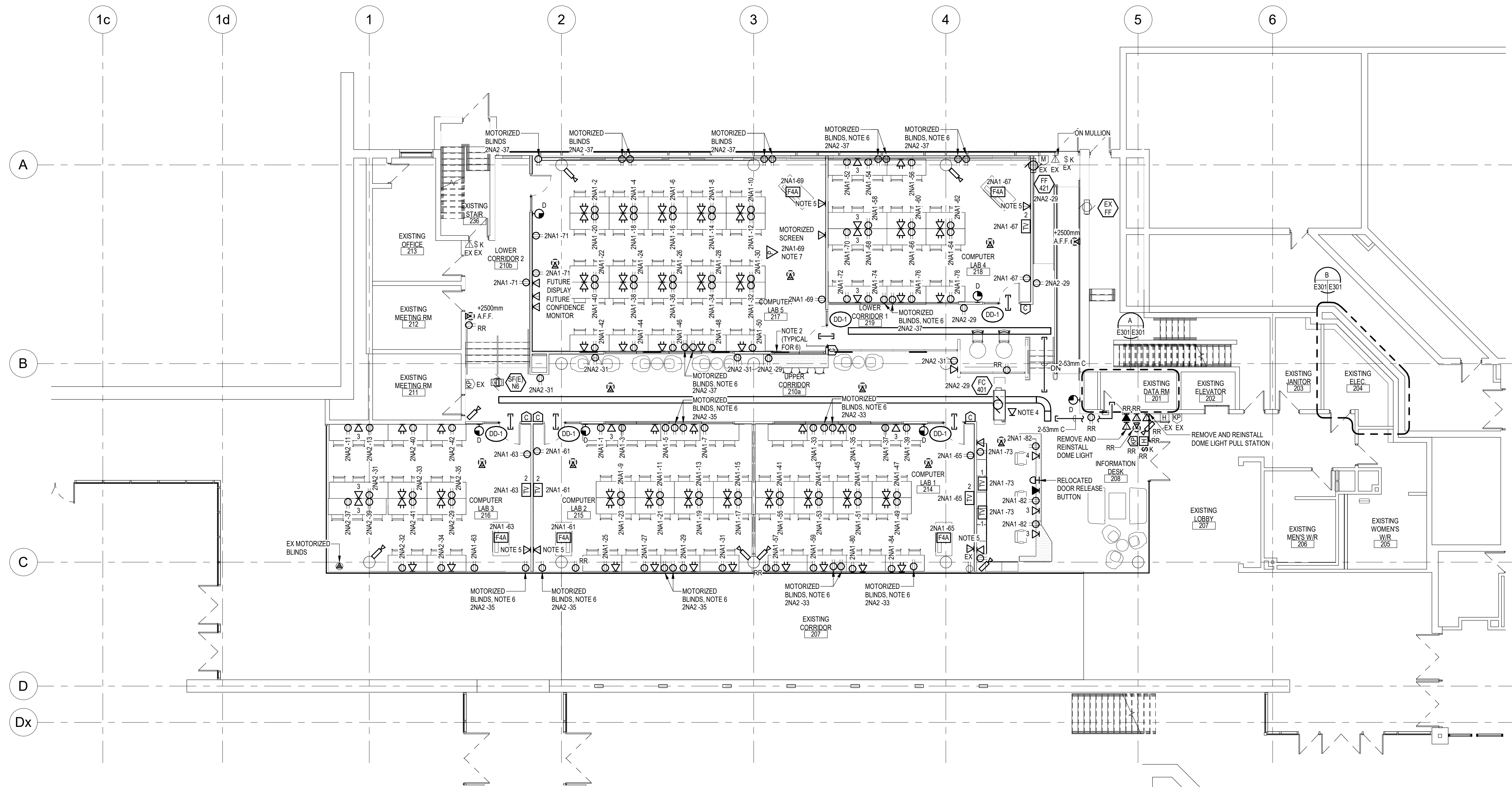
No.	ISSUED FOR	DATE
2	TENDER	2025-03-21
1	BUILDING PERMIT	2025-03-14

DRAWING TITLE:  
**LEVEL 200 FLOOR  
PLAN - LIGHTING &  
FIRE ALARM**

DRAWN:	AGB	SCALE:	1:100	PROJECT NO.:	10348
CHECKED:	RDZ	DATE:	MARCH, 2025		

**E201**

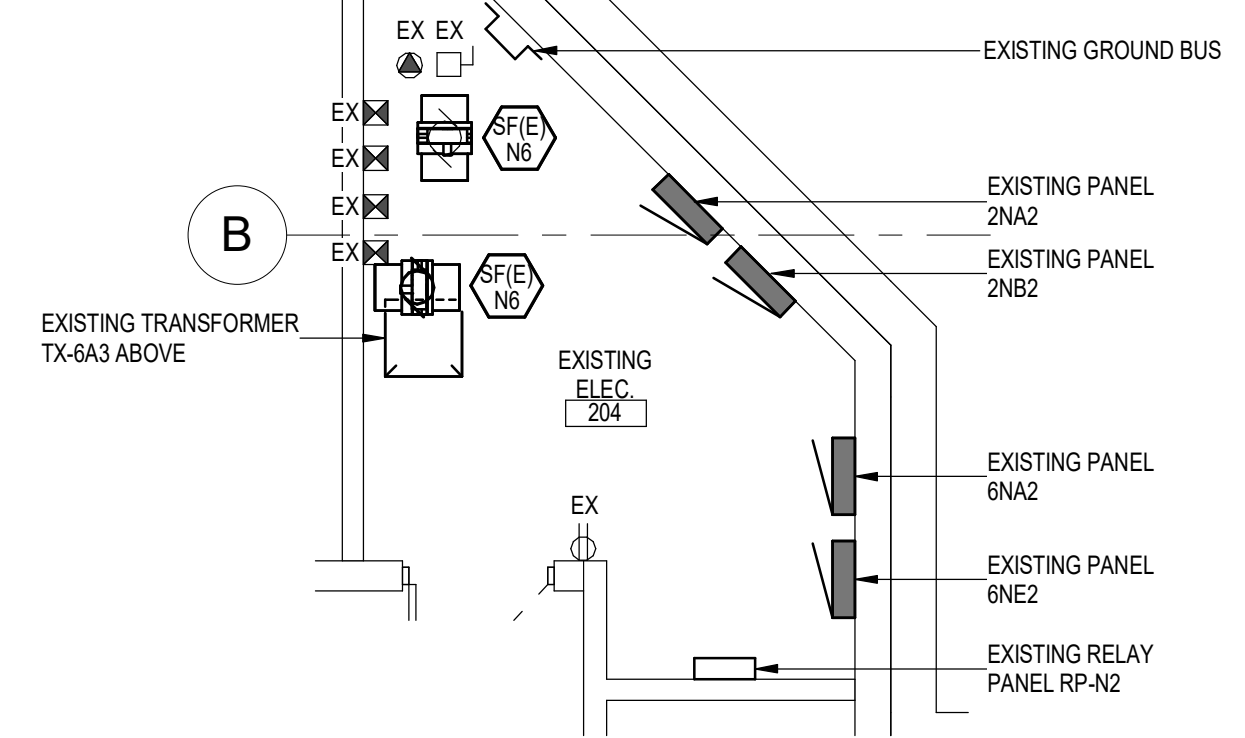
C:\Working Documents\Revit 2024 Projects\10348\_CB MEP\_2024\_Brock University SHB Computer Lab\_Tier.rochill.rvt 3/20/2025 11:14:04 AM



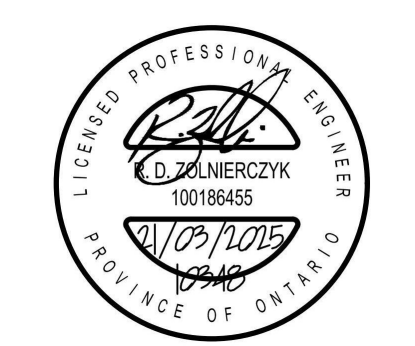
**A DATA RM N201 - POWER & SYSTEMS**  
SCALE: 1:50  
NOTES:  
1. OWNER TO RELOCATE SERVICE, COORDINATE ON SITE.

**LEVEL 200 FLOOR PLAN - POWER & SYSTEMS**  
SCALE: 1:100

- NOTES:
1. IN GENERAL PROVIDE NEW DATA CABLING FROM ROOM N201 TO ALL LOCATIONS SHOWN ON PLANS. REFER TO SPECIFICATION 27 10 00 FOR REQUIREMENTS.
  2. COORDINATE ACCESS PANEL LOCATION WITH GENERAL TRADES. ACCESS PANELS TO BE LOCATED WHERE NORTH/SOUTH TRENCH INTERSECTS WEST/EAST TRENCH.
  3. DEVICES ON SYSTEM FURNITURE FED VIA FURNITURE WHIPS. POWER AND DATA, FROM FLOOR OR WALL, REFER TO E302 FOR ALL FLOOR BOX LOCATIONS. WALL LOCATIONS ARE NOTED ON THIS DRAWING.
  4. COORDINATE DATA DROP FOR CONTROLS WITH CONTROLS CONTRACTOR ON SITE.
  5. PROVIDE ROUGH-IN FOR MOTORIZED BLINDS SWITCH c/w 3/4" CONDUIT TO CEILING SPACE FOR FUTURE USE.
  6. COORDINATE RECEPTACLE HEIGHT OF RECEPTACLE FOR MOTORIZED BLINDS WITH ARCHITECTURAL ELEVATIONS.
  7. CONFIRM PROJECTOR DISTANCE FROM MOTORIZED SCREEN PRIOR TO ROUGH-IN.



**B ELEC RM N204 - POWER & SYSTEMS**  
SCALE: 1:50



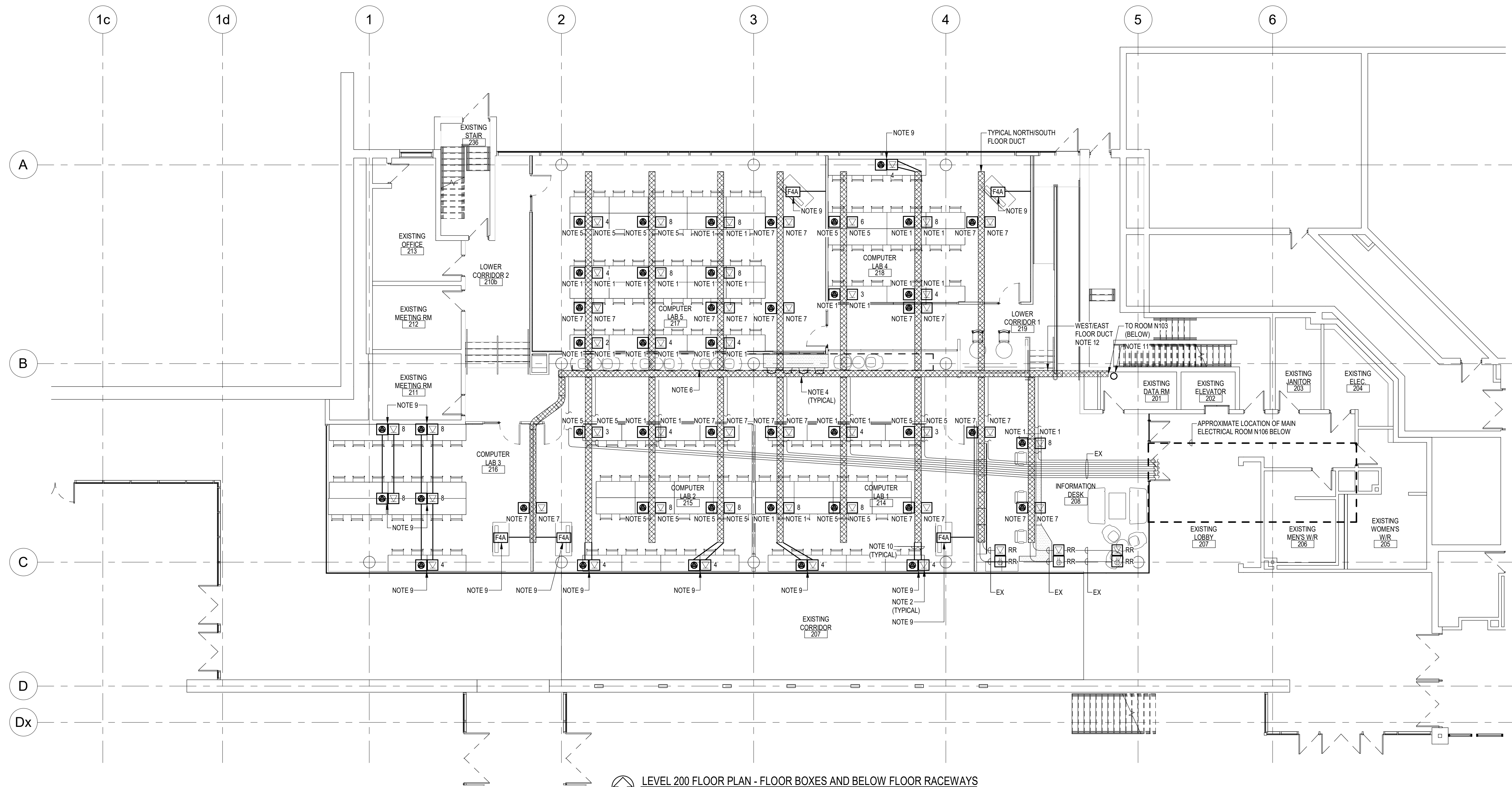
DO NOT SCALE THE DRAWINGS. ALL MEASUREMENTS ARE TO BE CHECKED AND VERIFIED ON SITE BY THE CONTRACTOR. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK. COPYRIGHT © ALL RIGHTS RESERVED. DRAWINGS AND RELATED DOCUMENTS ARE THE COPYRIGHT OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST OR AT THE COMPLETION OF THE WORK. REPRODUCTION OF THESE DRAWINGS OR RELATED DOCUMENTS IN PART OR IN WHOLE, BY ELECTRONIC OR MECHANICAL MEANS, IS FORBIDDEN BY LAW WITHOUT THE PRIOR WRITTEN PERMISSION OF THE CONSULTANT.

No.	ISSUED FOR	DATE
2	TENDER	2025-03-21
1	BUILDING PERMIT	2025-03-14
	ISSUED FOR	DATE

DRAWING TITLE:  
**LEVEL 200 FLOOR  
PLAN - POWER &  
SYSTEMS**

DRAWN: AGB	SCALE: As indicated	PROJECT NO: 10348
CHECKED: RDZ	DATE: MARCH, 2025	

**E301**

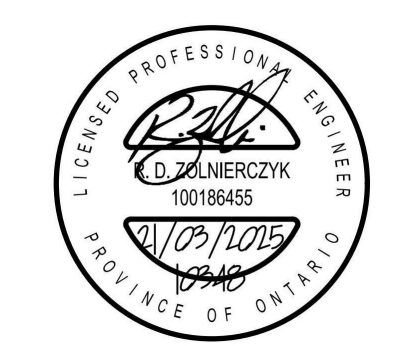


**LEVEL 200 FLOOR PLAN - FLOOR BOXES AND BELOW FLOOR RACEWAYS**  
SCALE 1:100

- NOTES:**
1. PROVIDE NEW BOXES TO SUIT EXISTING FLOOR DUCT SYSTEM. PROVIDE SEPARATE SYSTEM FURNITURE WHIPS FOR POWER AND DATA. COORDINATE WITH FURNITURE CONTRACTOR.
  2. COORDINATE CUTTING FLOOR WITH GENERAL TRADES AND PROVIDE CONDUIT FROM TRENCH TO NEW FLOOR BOX. POWER AND DATA TO BE IN SEPARATE CONDUIT. PROVIDE SEPARATE BOXES IN WALL AND SEPARATE SYSTEMS FURNITURE WHIPS. COORDINATE WITH FURNITURE CONTRACTOR.
  3. PROVIDE NEW WIRING TO PANEL AND CIRCUIT NOTED ON PLANS. REFER TO DRAWING E301. REUSE EXISTING WIRING AS PRACTICABLE. ANY SPLICE / JUNCTION SHALL BE ACCESSIBLE. PROVIDE DEDICATED NEUTRALS WHERE REQUIRED BY FURNITURE MANUFACTURER.
  4. IN FLOOR DUCT SYSTEM TO REMAIN. ALLOW FOR CLEANING OF DUCTS PRIOR TO PULLING NEW CABLES.
  5. EXISTING FLOOR BOX LOCATION. CIRCUITS TO BE REWORKED IN ACCORDANCE WITH DRAWING E301.
  6. FLOOR DUCT WILL BE LOCATED BELOW UPPER SLAB EXTENSION. ALLOW FOR REMOVING / MODIFYING TRENCH COVER, TO ALLOW FOR REMOVAL THROUGH ACCESS DOORS. REFER TO DETAIL.
  7. PROVIDE BLANK PLATE ON EXISTING FLOOR BOX, NO LONGER IN USE.
  8. CONDUIT DOWN FROM CEILING. CUT FLOOR TO ACCOMMODATE CONDUIT IN FLOOR TO NEW FLOOR BOX LOCATIONS.
  9. PROVIDE NEW CAST-IN-PLACE FLOOR BOX. REFER TO SPECIFICATIONS.
  10. PROVIDE SEPARATE CONDUITS FOR POWER AND DATA. MINIMUM CONDUIT SIZE FOR POWER TO BE 27mm. REFER TO SPECIFICATION 27 05 28 FOR DATA CONDUIT SIZES.
  11. PROVIDE 3-103mm C BETWEEN ROOM N103 AND ROOM N201. PROVIDE ALL REQUIRED CORING AND FIRE STOPPING.
  12. REFER TO DRAWING E803 FOR PHOTO OF WEST/EAST DUCT.

**Chorley + Bisset**  
CONSULTING ENGINEERS

201 QUEENS AVE., UNIT 800 LONDON ON, N6A 1J1  
250 CITY CENTRE AVE., SUITE 403 OTTAWA ON, K1R 6K7



DO NOT SCALE THE DRAWINGS. ALL MEASUREMENTS ARE TO BE CHECKED AND VERIFIED ON SITE BY THE CONTRACTOR. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK. COPYRIGHT © ALL RIGHTS RESERVED. DRAWINGS AND RELATED DOCUMENTS ARE THE COPYRIGHT OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST OR AT THE COMPLETION OF THE WORK. REPRODUCTION OF THESE DRAWINGS OR RELATED DOCUMENTS IN PART OR IN WHOLE, BY ELECTRONIC OR MECHANICAL MEANS, IS FORBIDDEN BY LAW WITHOUT THE PRIOR WRITTEN PERMISSION OF THE CONSULTANT.

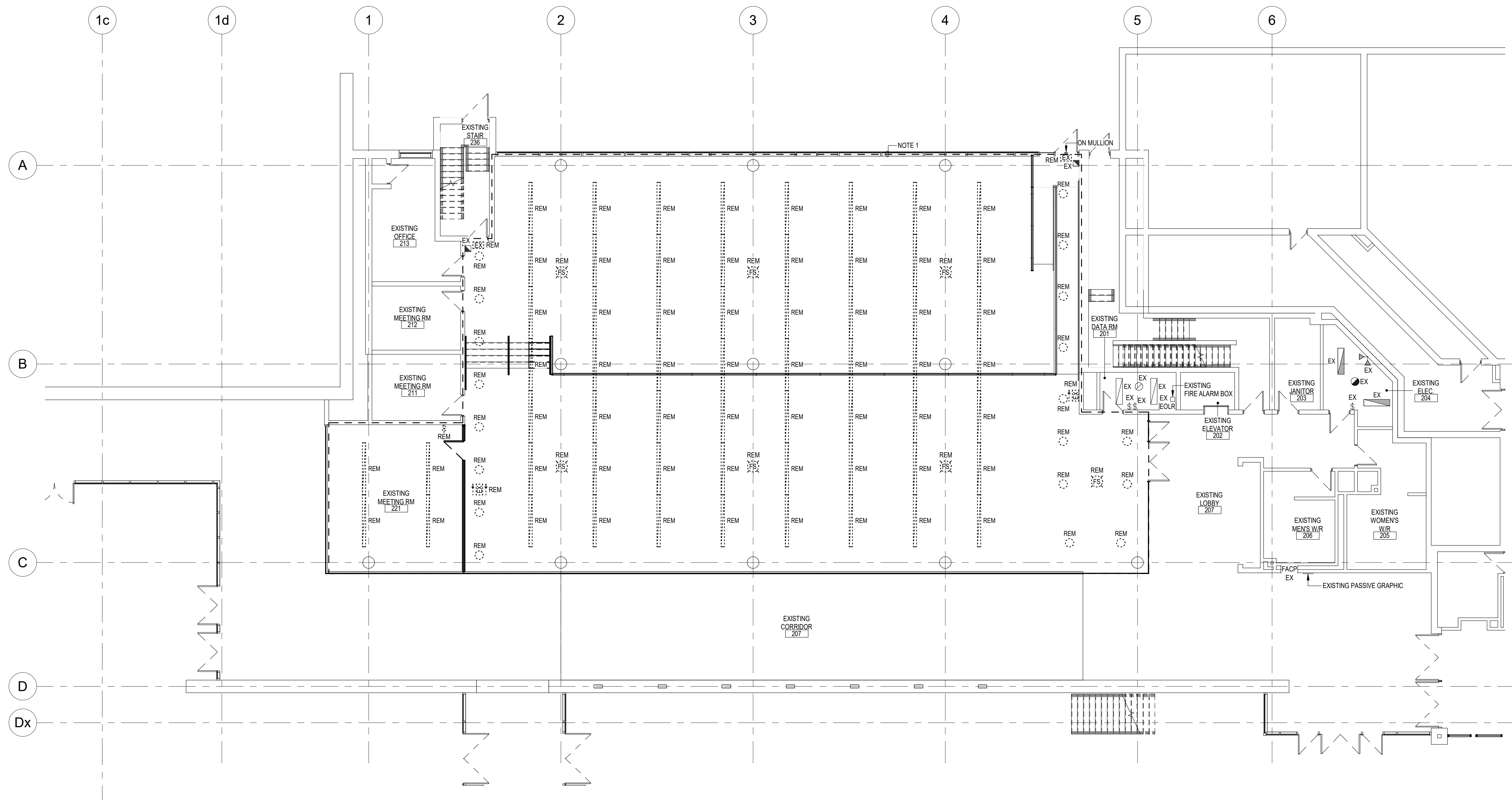
No.	ISSUED FOR	DATE
2	TENDER	2025-03-21
1	BUILDING PERMIT	2025-03-14

DRAWING TITLE:  
**LEVEL 200 FLOOR  
PLAN - BELOW  
FLOOR RACEWAYS**

DRAWN: AGB	SCALE: 1:100	PROJECT NO: 10348
CHECKED: RDZ	DATE: MARCH, 2025	

**E302**

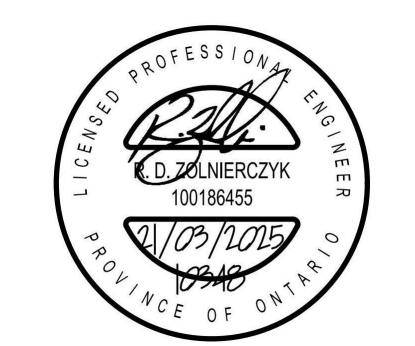
3/20/2025 11:14:06 AM C:\Working Documents\Revit 2024 Projects\10348\_CB MEP\_2024\_Brock University SHB Computer Lab\_Tier.rochill.rvt



**LEVEL 200 FLOOR PLAN - LIGHTING & FIRE ALARM DEMOLITION**  
SCALE: 1:100

- NOTES:**
- SOME DEVICES ARE SHOWN FOR REFERENCE PURPOSES ONLY. ACTUAL QUANTITIES MAY VARY. COMPLETELY REMOVE ALL LIGHTING AND FIRE ALARM DEVICES, WIRE AND CONDUIT WITHIN THE OUTLINED AREA, UNLESS NOTED OTHERWISE. SERVICES IN ADJACENT AREAS ARE TO BE MAINTAINED.
  - TURN OVER ALL REMOVED LIGHTING CONTROL DEVICES AND ACCESSORIES TIED INTO LIGHTING RELAY PANEL TO OWNER.

**Chorley + Bisset**  
CONSULTING ENGINEERS  
201 QUEENS AVE., UNIT 800 LONDON ON, N6A 1J1  
250 CITY CENTRE AVE., SUITE 403 OTTAWA ON, K1R 6K7



DO NOT SCALE THE DRAWINGS. ALL MEASUREMENTS ARE TO BE CHECKED AND VERIFIED ON SITE BY THE CONTRACTOR. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK. COPYRIGHT © ALL RIGHTS RESERVED. DRAWINGS AND RELATED DOCUMENTS ARE THE COPYRIGHT OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST OR AT THE COMPLETION OF THE WORK. REPRODUCTION OF THESE DRAWINGS OR RELATED DOCUMENTS IN PART OR IN WHOLE, BY ELECTRONIC OR MECHANICAL MEANS, IS FORBIDDEN BY LAW WITHOUT THE PRIOR WRITTEN PERMISSION OF THE CONSULTANT.

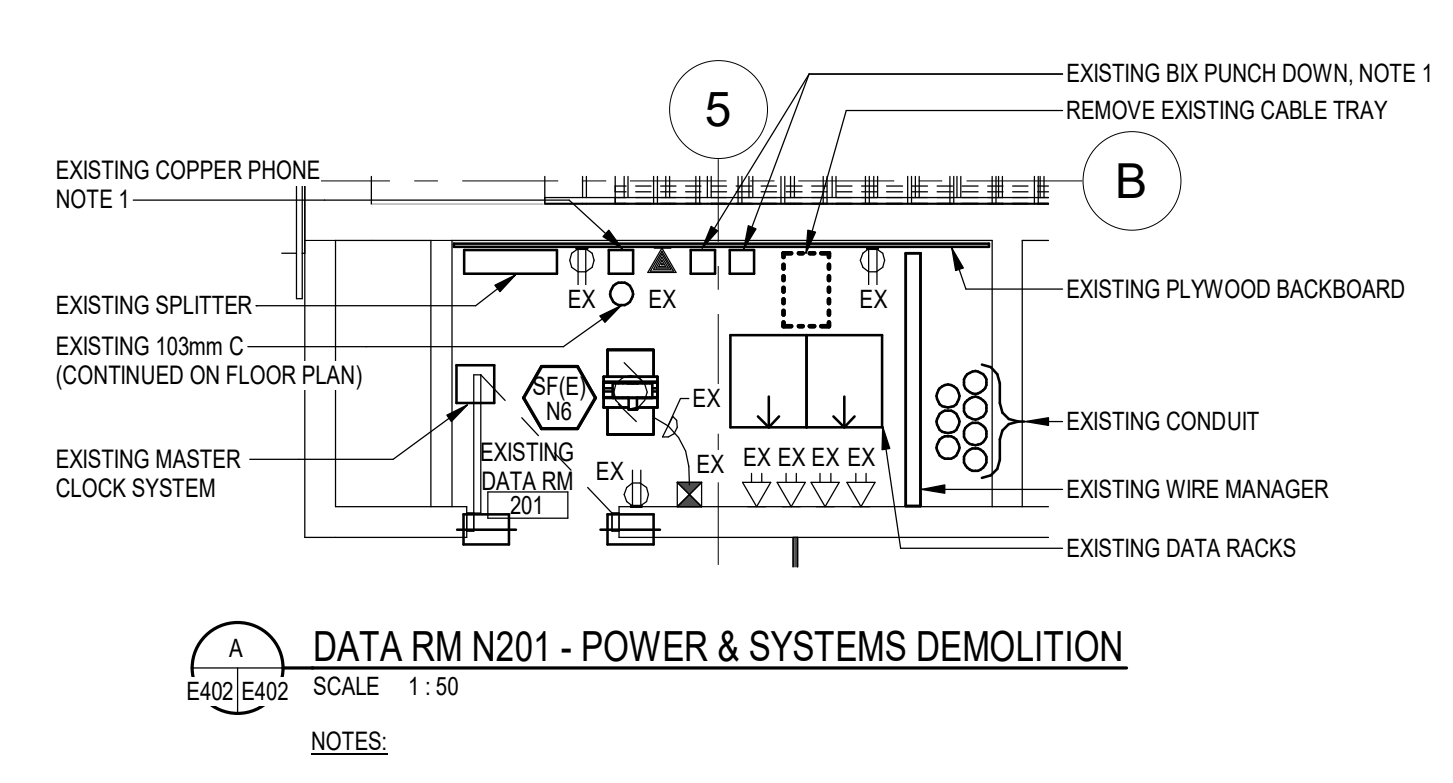
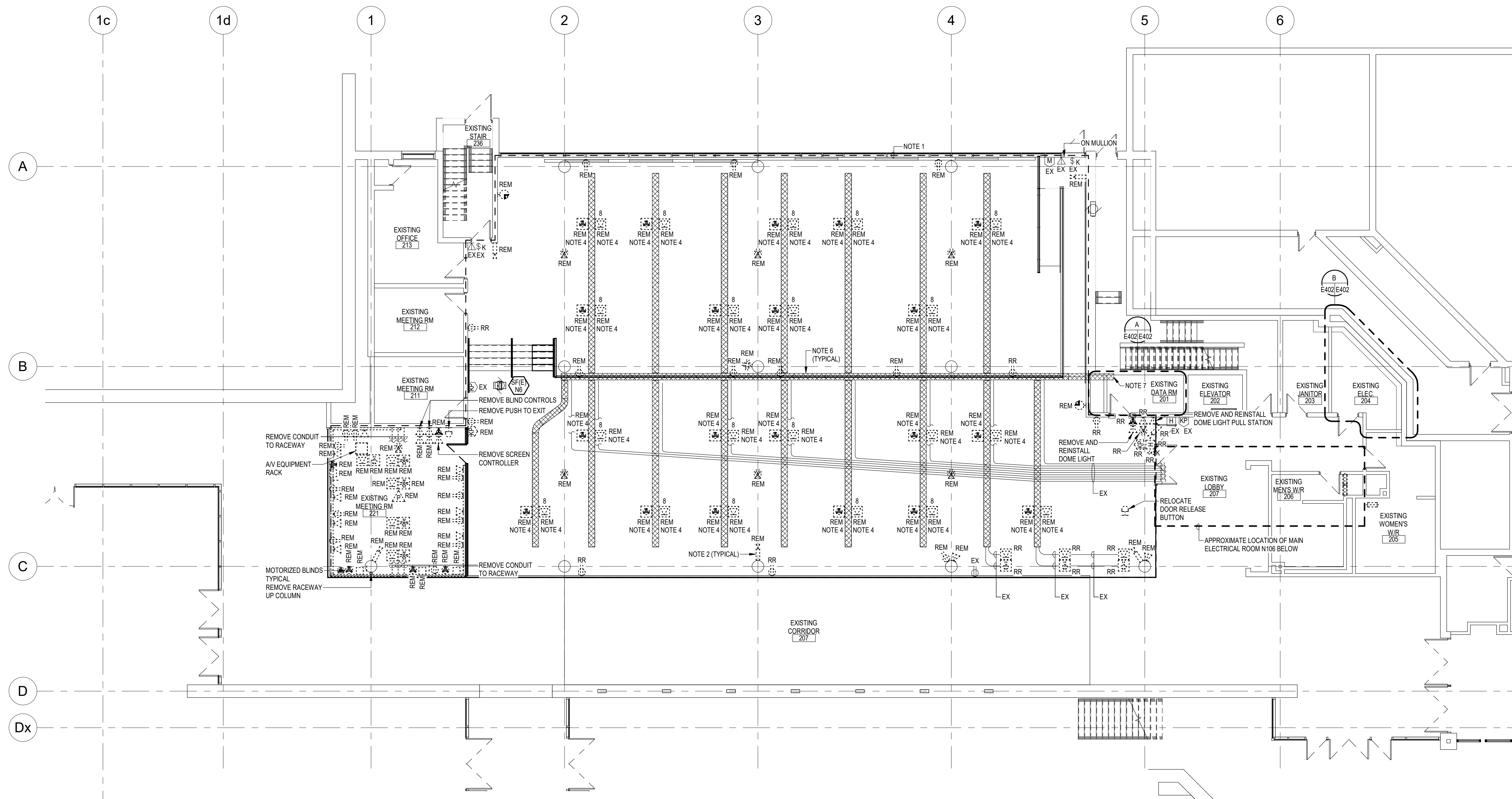
No.	ISSUED FOR	DATE
2	TENDER	2025-03-21
1	BUILDING PERMIT	2025-03-14

DRAWING TITLE:  
**LEVEL 200 FLOOR  
PLAN - LIGHTING &  
FIRE ALARM DEMO**

DRAWN: AGB	SCALE: 1:100	PROJECT NO: 10348
CHECKED: RDZ	DATE: MARCH, 2025	

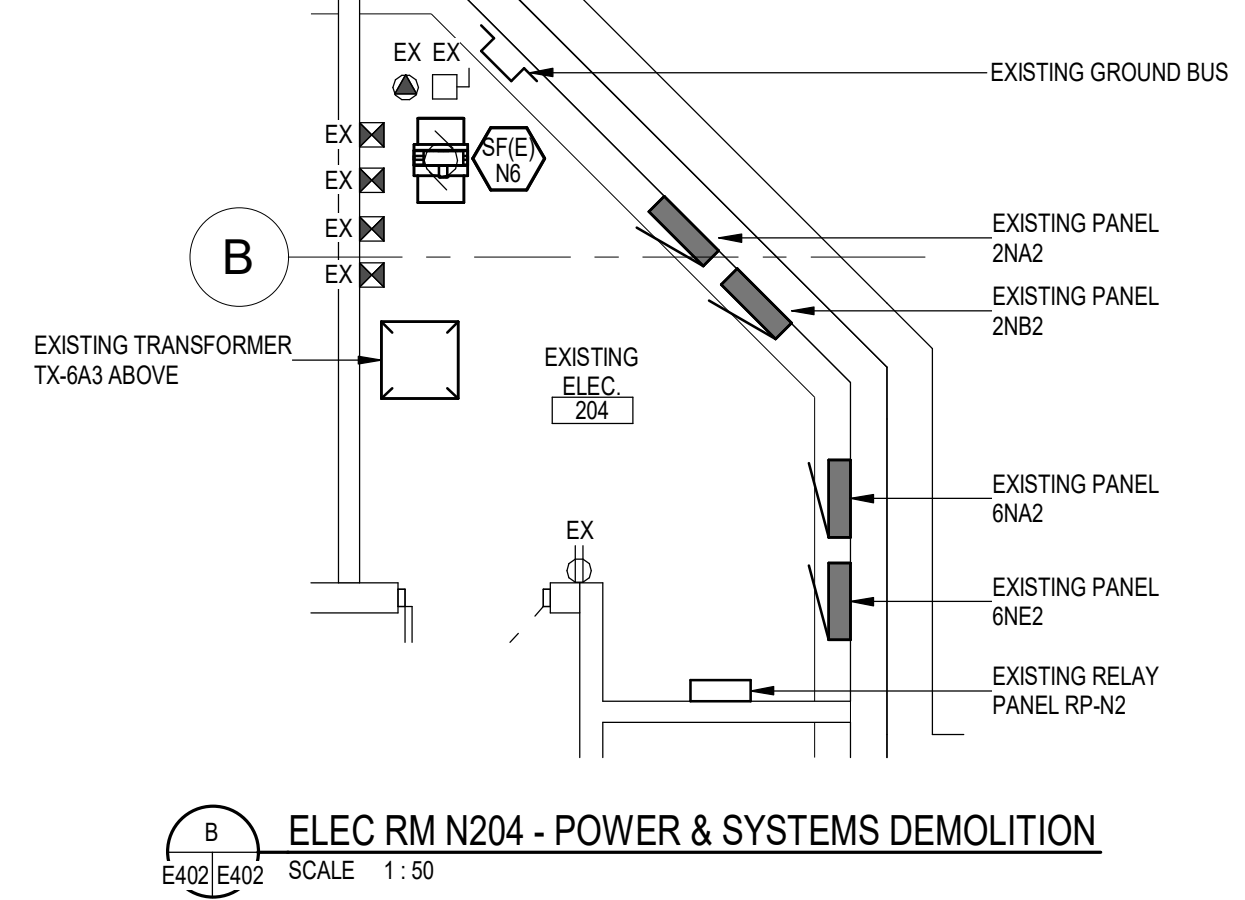
**E401**

C:\Working Documents\Revit 2024 Projects\10348\_CB MEP\_2024\_Brock University SHB Computer Lab\_Tyler.rochill.rvt 3/20/2025 11:14:06 AM



**LEVEL 200 FLOOR PLAN - POWER & SYSTEMS DEMOLITION**  
SCALE: 1:100

- NOTES:**
- SOME DEVICES ARE SHOWN FOR REFERENCE PURPOSES ONLY. ACTUAL QUANTITIES MAY VARY. COMPLETELY REMOVE ALL POWER AND SYSTEMS DEVICES, WIRE AND CONDUIT WITHIN THE OUTLINED AREA, UNLESS NOTED OTHERWISE. SERVICES IN ADJACENT AREAS ARE TO BE MAINTAINED.
  - IN GENERAL, REMOVE AND TURN OVER ALL SECURITY CAMERAS TO OWNER.
  - IN GENERAL, REMOVE AND TURN OVER ALL AV AND I.T. EQUIPMENT TO OWNER.
  - REMOVE ALL POWER AND DATA CABLING. PROVIDE BLANK COVERS ON EXISTING BOXES NOT REUSED.
  - IN GENERAL, ALL DATA CABLING IS TO BE REPLACED. REMOVE EXISTING BACK TO SOURCE.
  - IN FLOOR DUCT SYSTEM TO REMAIN.
  - EXISTING TRENCH TERMINATES WITHIN ROOM N103 LOCATED DIRECTLY BELOW N201.
  - WHERE FLOOR BOXES CAST IN CONCRETE ARE REMOVED, COORDINATE PATCHING/REPAIR OF FLOOR WITH GENERAL TRADES.



DO NOT SCALE THE DRAWINGS. ALL MEASUREMENTS ARE TO BE CHECKED AND VERIFIED ON SITE BY THE CONTRACTOR. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK. COPYRIGHT © ALL RIGHTS RESERVED. DRAWINGS AND RELATED DOCUMENTS ARE THE COPYRIGHT OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST OR AT THE COMPLETION OF THE WORK. REPRODUCTION OF THESE DRAWINGS OR RELATED DOCUMENTS IN PART OR IN WHOLE, BY ELECTRONIC OR MECHANICAL MEANS, IS FORBIDDEN BY LAW WITHOUT THE PRIOR WRITTEN PERMISSION OF THE CONSULTANT.

No.	ISSUED FOR	DATE
2	TENDER	2025-03-21
1	BUILDING PERMIT	2025-03-14

**DRAWING TITLE:**  
**LEVEL 200 FLOOR PLAN - POWER & SYSTEMS DEMO**

DRAWN: AGB	SCALE: As indicated	PROJECT NO: 10348
CHECKED: RDZ	DATE: MARCH, 2025	

**E402**

C:\Working Documents\Revit 2024 Projects\10348\_CB MEP\_2024\_Brock University SHB Computer Lab\_Tyer.rochill.rvt 3/20/2025 11:14:06 AM









# SCOTIA BANK HALL RENOVATION



**Chorley+Bisset**  
CONSULTING ENGINEERS  
201 QUEENS AVE., UNIT 800 LONDON ON, N6A 1J1  
250 CITY CENTRE AVE., SUITE 403 OTTAWA ON, K1R 6K7



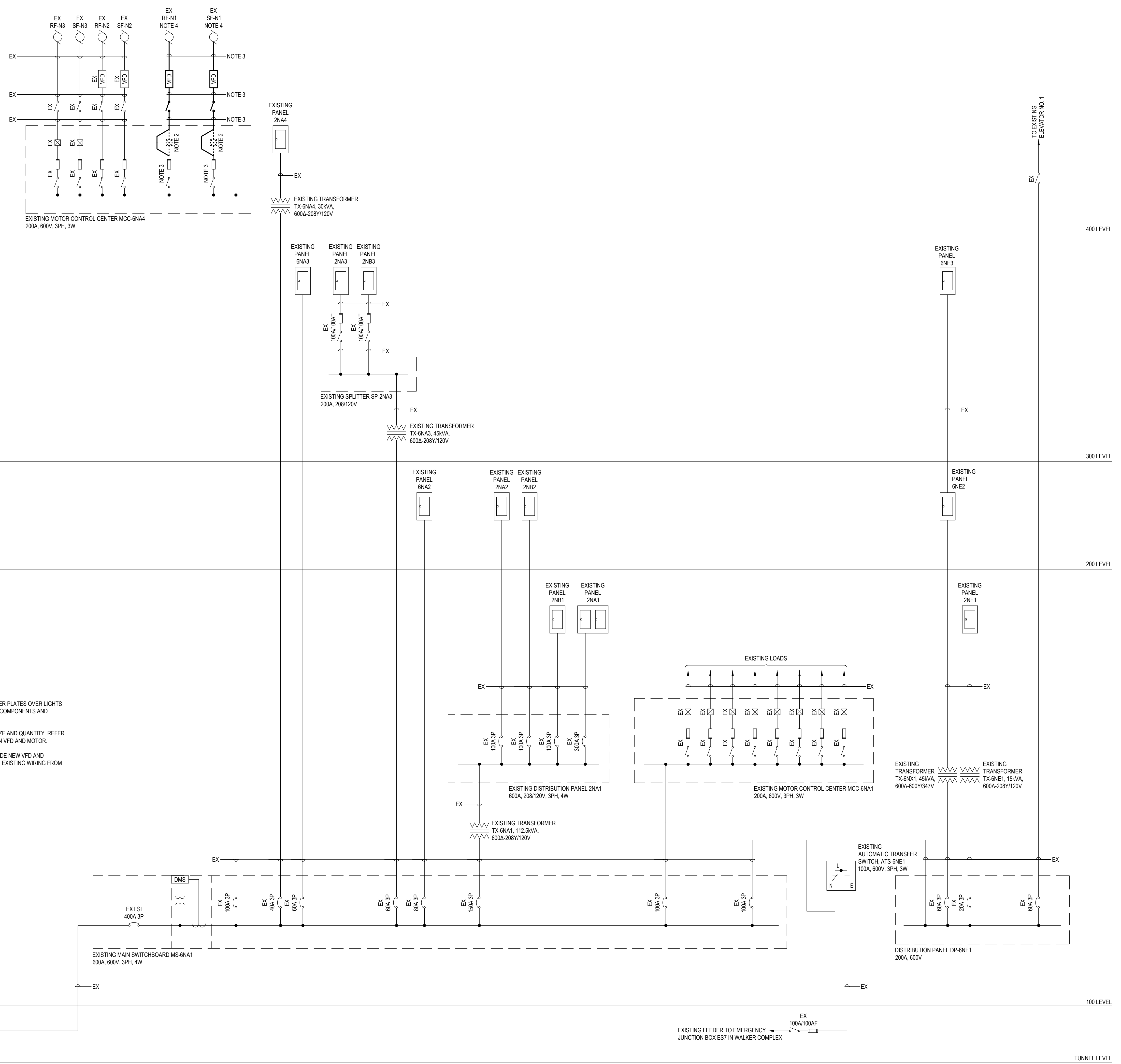
DO NOT SCALE THE DRAWINGS. ALL MEASUREMENTS ARE TO BE CHECKED AND VERIFIED ON SITE BY THE CONTRACTOR. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK.  
COPYRIGHT © ALL RIGHTS RESERVED. DRAWINGS AND RELATED DOCUMENTS ARE THE COPYRIGHT OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST OR AT THE COMPLETION OF THE WORK. REPRODUCTION OF THESE DRAWINGS OR RELATED DOCUMENTS IN PART OR IN WHOLE, BY ELECTRONIC OR MECHANICAL MEANS, IS FORBIDDEN BY LAW WITHOUT THE PRIOR WRITTEN PERMISSION OF THE CONSULTANT.

2	TENDER	2025-03-21
1	BUILDING PERMIT	2025-03-14
No.	ISSUED FOR	DATE

DRAWING TITLE:  
**SINGLE LINE DIAGRAM**

DRAWN:	AGB	SCALE:	AS NOTED	PROJECT NO.:	10348
CHECKED:	RDZ	DATE:	MARCH, 2025		

**E701**

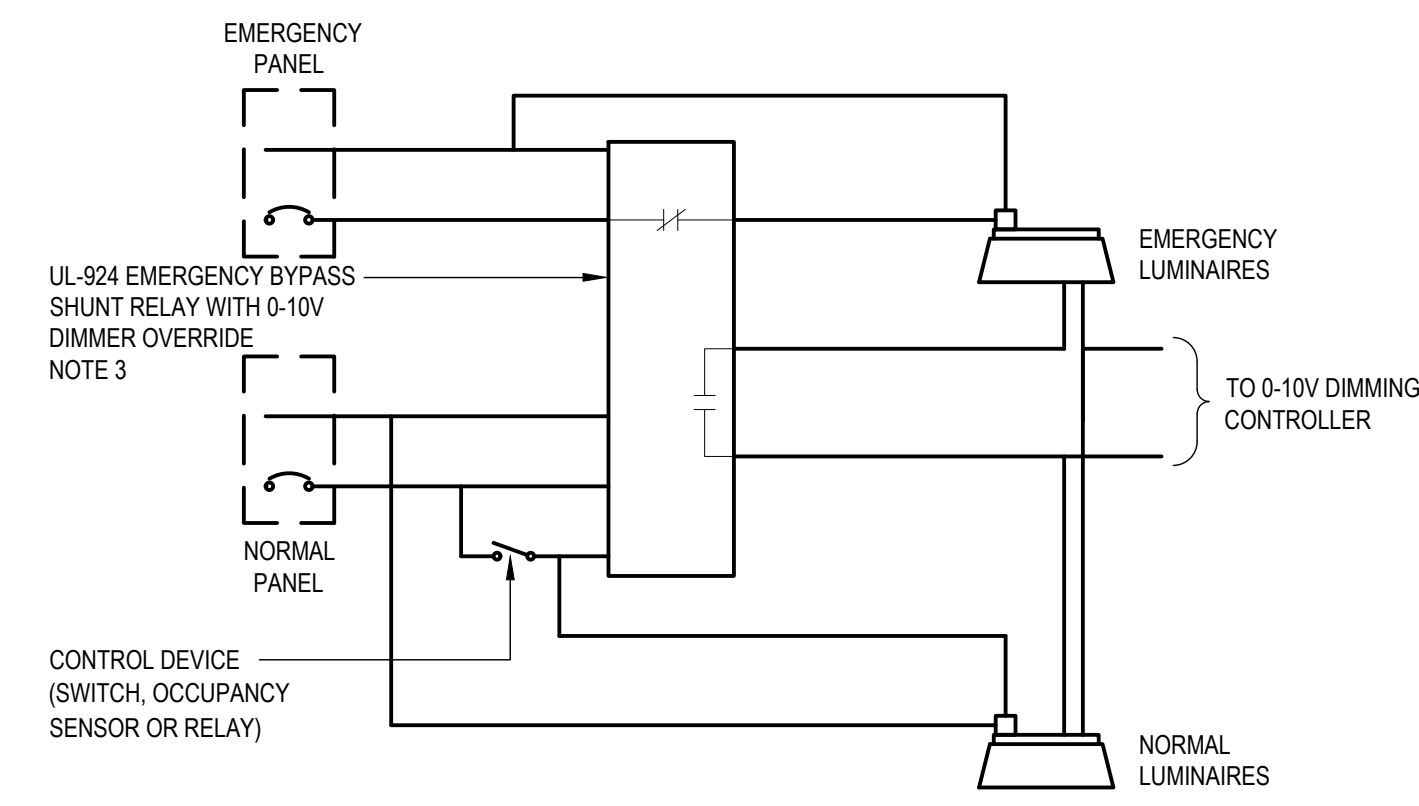


**SINGLE LINE DIAGRAM**  
N.T.S.

**NOTES:**

- UNLESS NOTED OTHERWISE, ALL PANELS ARE 3PH, 4W.
- REMOVE EXISTING STARTER AND PROVIDE BLANK COVER PLATES OVER LIGHTS AND SELECTOR SWITCHES. TURN OVER ALL REMOVED COMPONENTS AND ACCESSORIES TO OWNER.
- REFER TO MECHANICAL EQUIPMENT SCHEDULE FOR SIZE AND QUANTITY. REFER TO SPECIFICATION 28 05 33 FOR WIRING TYPE BETWEEN VFD AND MOTOR.
- ALL WIRING FROM MCC-6NA4 TO MOTOR IS NEW. PROVIDE NEW VFD AND DISCONNECT AS SPECIFIED. COMPLETELY REMOVE ALL EXISTING WIRING FROM MCC-6NA4 TO MOTOR.

DATE PLOTTED: 2025-03-14 10:25 AM  
 DATE REVISED: 2025-03-14 10:25 AM  
 DRAWN BY: RDZ

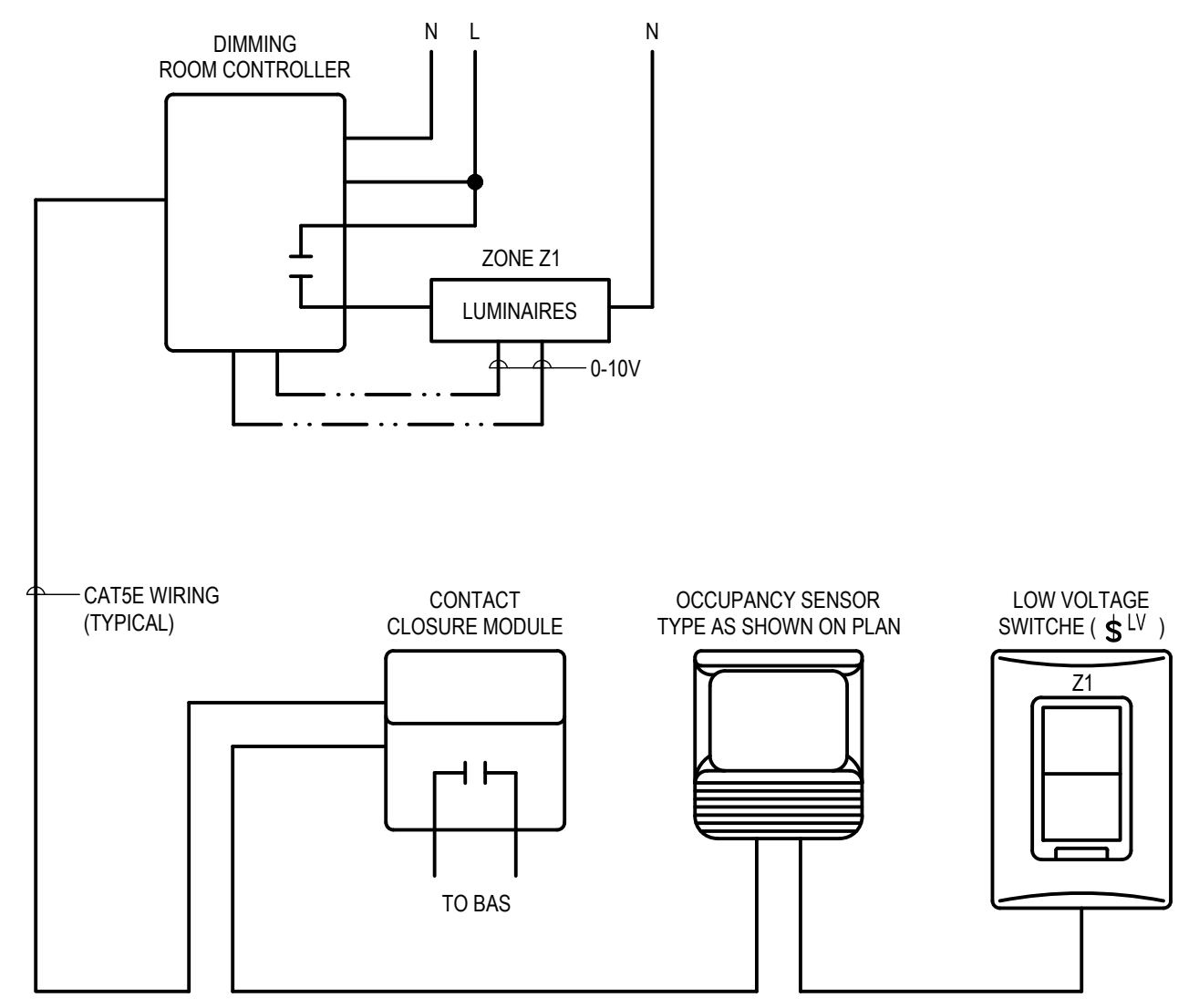


**EMERGENCY SWITCHING**

N.T.S.

**NOTES:**

- EMERGENCY AND NORMAL POWER LUMINAIRES TO BE CONNECTED TO CORRESPONDING NEUTRAL. LUMINAIRES ARE SPECIFIED TO BE 347V.
- EMERGENCY POWER AND NORMAL POWER CONDUCTORS SHALL NOT ENTER INTO THE SAME DEVICE OR CONDUIT WITH THE EXCEPTION OF THE EMERGENCY SHUNT RELAY.
- TO BE WATTSTOPPER ELCU-200-347 OR EQUAL, 16A AT 347V ELECTRONIC BALLAST RATED.



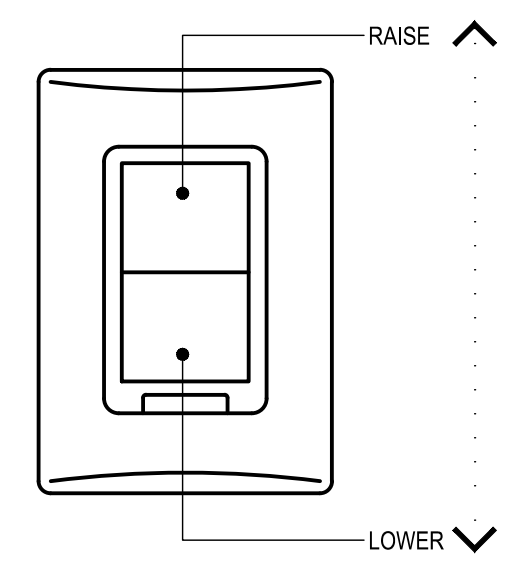
**DIMMING ROOM CONTROLLER**

**LC1 - LIGHTING CONTROL DIAGRAM**

N.T.S.

**NOTES:**

- USE THE FOLLOWING CONTROL SEQUENCE:
  - AUTOMATIC ON TO 50% AFTER OCCUPANCY DETECTED AND STAY ON WHILE OCCUPIED.
  - AUTOMATIC OFF AFTER 20min OF ZERO OCCUPANCY DETECTED.
  - MANUAL RAISE/ LOWER AND ON/OFF.



**(S<sup>LV</sup>) 2 BUTTON SWITCH**  
**ENGRAVING AND SWITCH CONTROL DETAIL**

N.T.S.

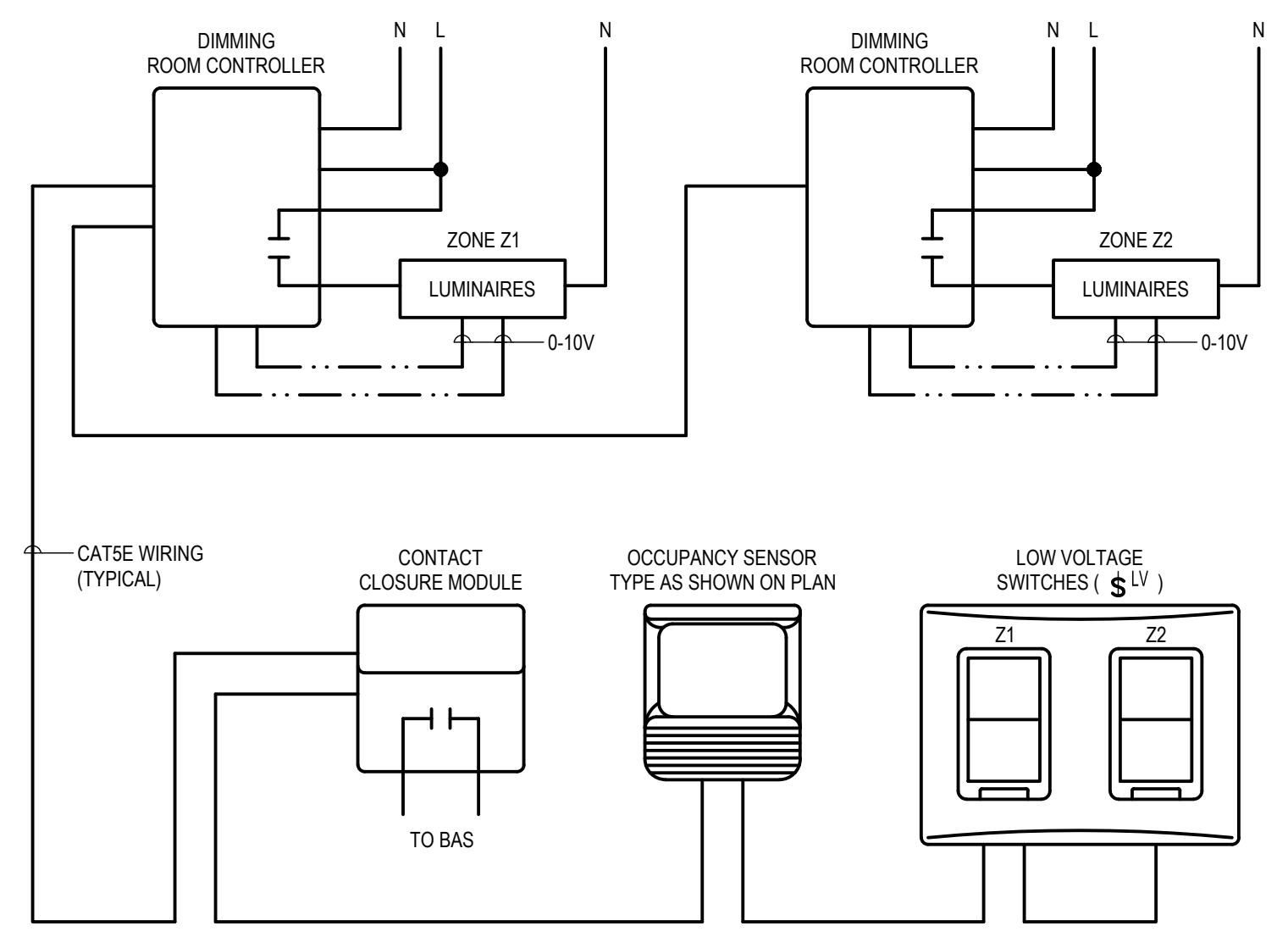
**NOTES:**

- FOR 2 BUTTON SWITCHES AND 2 BUTTON OCCUPANCY SENSOR SWITCHES, ENGRAVE BUTTON WITH ARROW OR 'RAISE/LOWER'.
- WHERE MULTIPLE SWITCHES ARE GANGED PROVIDE ZONE IDENTIFIER ON SWITCH.

**RC# - GENERAL NOTES**

**NOTES:**

- PRIOR TO COMMISSIONING AND PROGRAMING, LIGHTING CONTROLS SUPPLIER TO REVIEW EACH SPACE WITH OWNER. ALLOW FOR ADJUSTING OCCUPANCY SENSOR FUNCTION AND DIMMING LEVEL.
- TYPICAL FOR ALL ROOMS WITH A CONTROLLER. REFER TO FLOOR PLANS.
- ELECTRICAL CONTRACTOR TO INSTALL CONTROLLERS ABOVE SWITCH IN ACCESSIBLE CEILING SPACE. WHERE LOCATED IN EXPOSED CEILING, ELECTRICAL CONTRACTOR TO INSTALL CONTROLLER IN LABELLED 305mm x 305mm D BOX.
- ALL LOW VOLTAGE WIRING TO BE IN CONDUIT. CONDUIT AND WIRING SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR. REFER TO SPECIFICATION SECTION 26 05 00 FOR ACCEPTABLE WIRING METHODS.
- CONTRACTOR TO TEST ALL CIRCUITS WITH MANUAL ON/OFF BUTTONS ON RELAY PACKS PRIOR TO INSTALLATION OF LOW-VOLTAGE WIRING.
- IN GENERAL, ONE ROOM CONTROLLER IS SHOWN ON PLANS. PROVIDE QUANTITY REQUIRED TO SUIT ZONES.



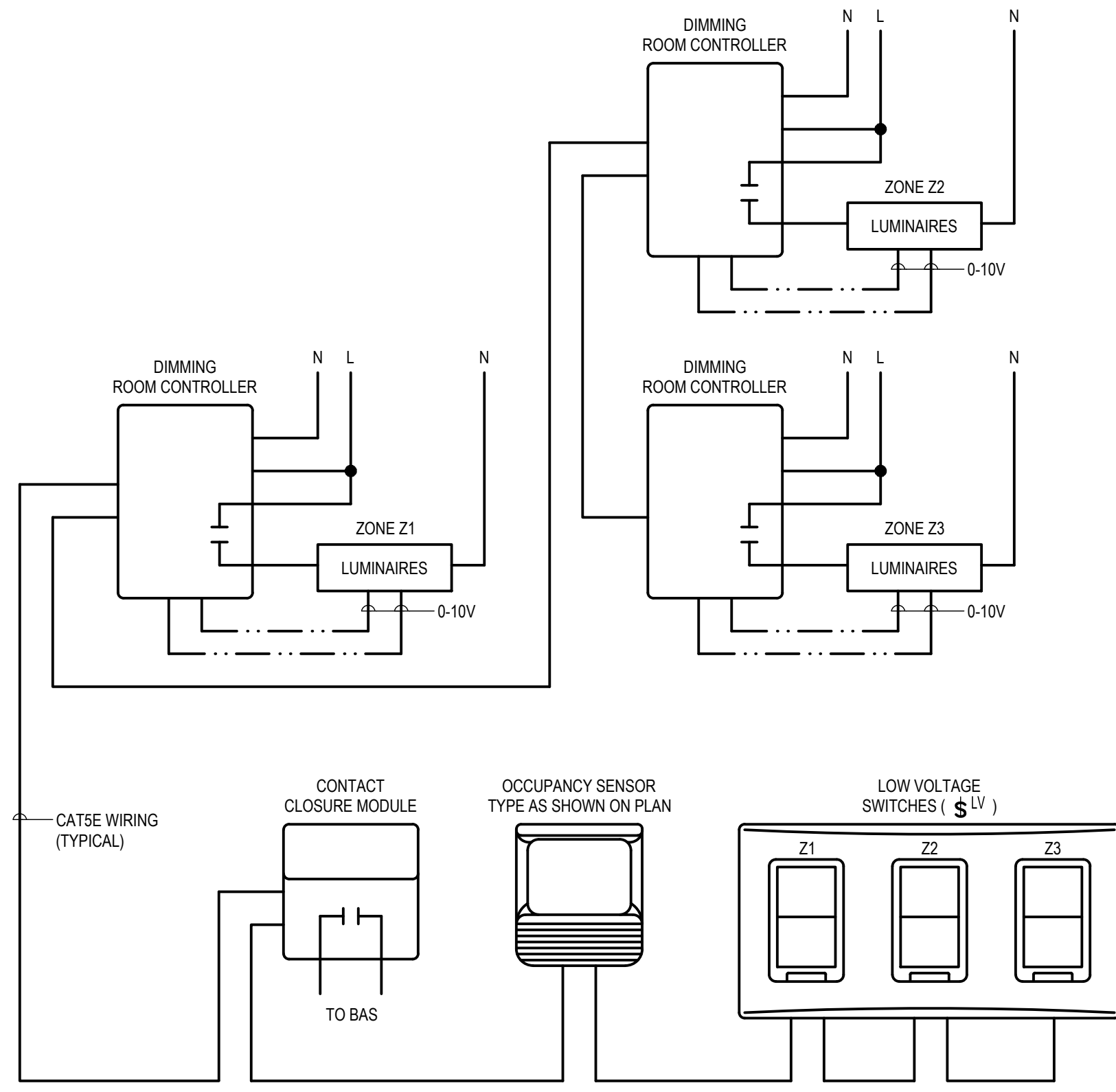
**DIMMING ROOM CONTROLLER**

**LC2 - LIGHTING CONTROL DIAGRAM**

N.T.S.

**NOTES:**

- USE THE FOLLOWING CONTROL SEQUENCE:
  - AUTOMATIC ON TO 50% AFTER OCCUPANCY DETECTED AND STAY ON WHILE OCCUPIED.
  - AUTOMATIC OFF AFTER 20min OF ZERO OCCUPANCY DETECTED.
  - MANUAL RAISE/ LOWER AND ON/OFF.
  - ALL ZONES CONTROLLED BY SAME OCCUPANCY SENSORS.



**DIMMING ROOM CONTROLLER**

**LC3 - LIGHTING CONTROL DIAGRAM**

N.T.S.

**NOTES:**

- USE THE FOLLOWING CONTROL SEQUENCE:
  - AUTOMATIC ON TO 50% AFTER OCCUPANCY DETECTED AND STAY ON WHILE OCCUPIED.
  - AUTOMATIC OFF AFTER 20min OF ZERO OCCUPANCY DETECTED.
  - MANUAL RAISE/ LOWER AND ON/OFF.
  - ALL ZONES CONTROLLED BY SAME OCCUPANCY SENSORS.



**SCOTIA BANK HALL RENOVATION**

**Chorley+Bisset**  
CONSULTING ENGINEERS  
201 QUEENS AVE., UNIT 800 LONDON ON, N6A 1J1  
250 CITY CENTRE AVE., SUITE 403 OTTAWA ON, K1R 6K7



DO NOT SCALE THE DRAWINGS. ALL MEASUREMENTS ARE TO BE CHECKED AND VERIFIED ON SITE BY THE CONTRACTOR. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK.  
COPYRIGHT © ALL RIGHTS RESERVED. DRAWINGS AND RELATED DOCUMENTS ARE THE COPYRIGHT OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST OR AT THE COMPLETION OF THE WORK. REPRODUCTION OF THESE DRAWINGS OR RELATED DOCUMENTS IN PART OR IN WHOLE, BY ELECTRONIC OR MECHANICAL MEANS, IS FORBIDDEN BY LAW WITHOUT THE PRIOR WRITTEN PERMISSION OF THE CONSULTANT.

2	TENDER	2025-03-21
1	BUILDING PERMIT	2025-03-14

No.	ISSUED FOR	DATE
-----	------------	------

**ELECTRICAL DETAILS**

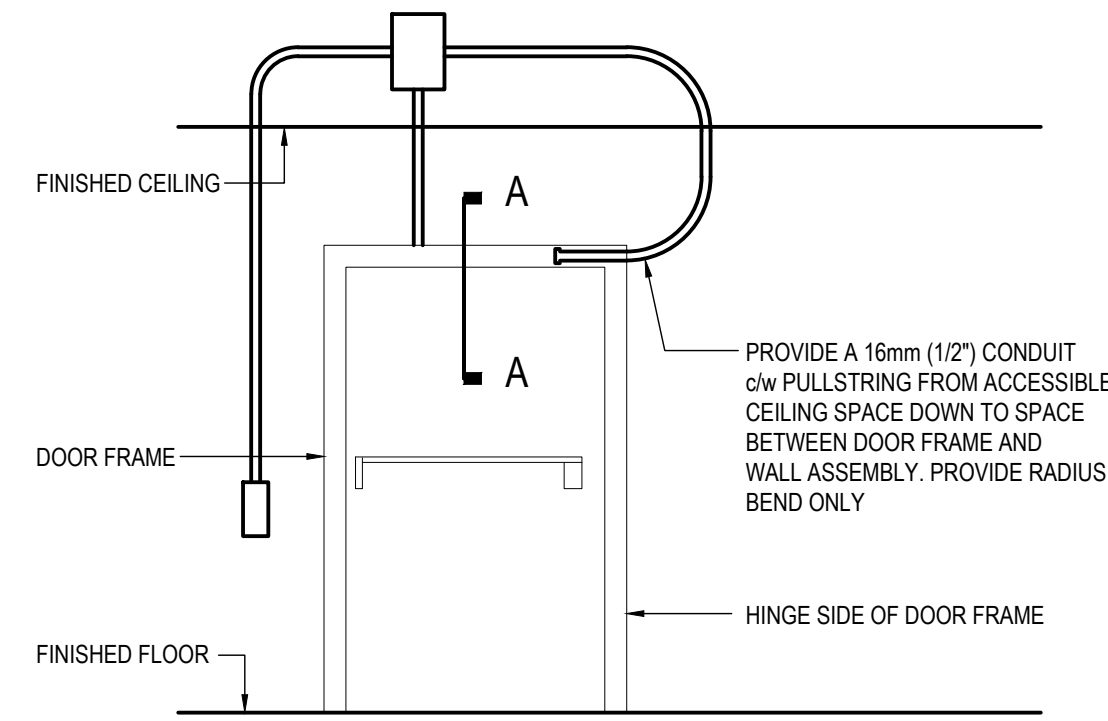
DRAWN:	AGB	SCALE:	AS NOTED	PROJECT NO.:	10348
CHECKED:	RDZ	DATE:	MARCH, 2025		

**E801**

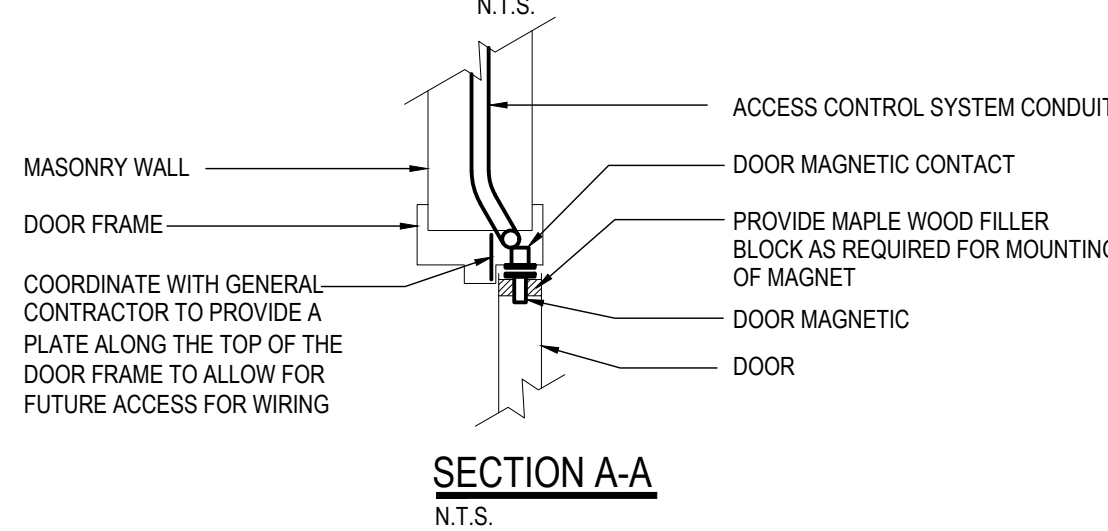
DRAWING NO. 2025-03-14  
 DATE ISSUED: 2025-03-14 AM  
 DATE PLOTTED: 2025-03-14 PM



**SCOTIA BANK HALL RENOVATION**



**ELEVATION**  
N.T.S.



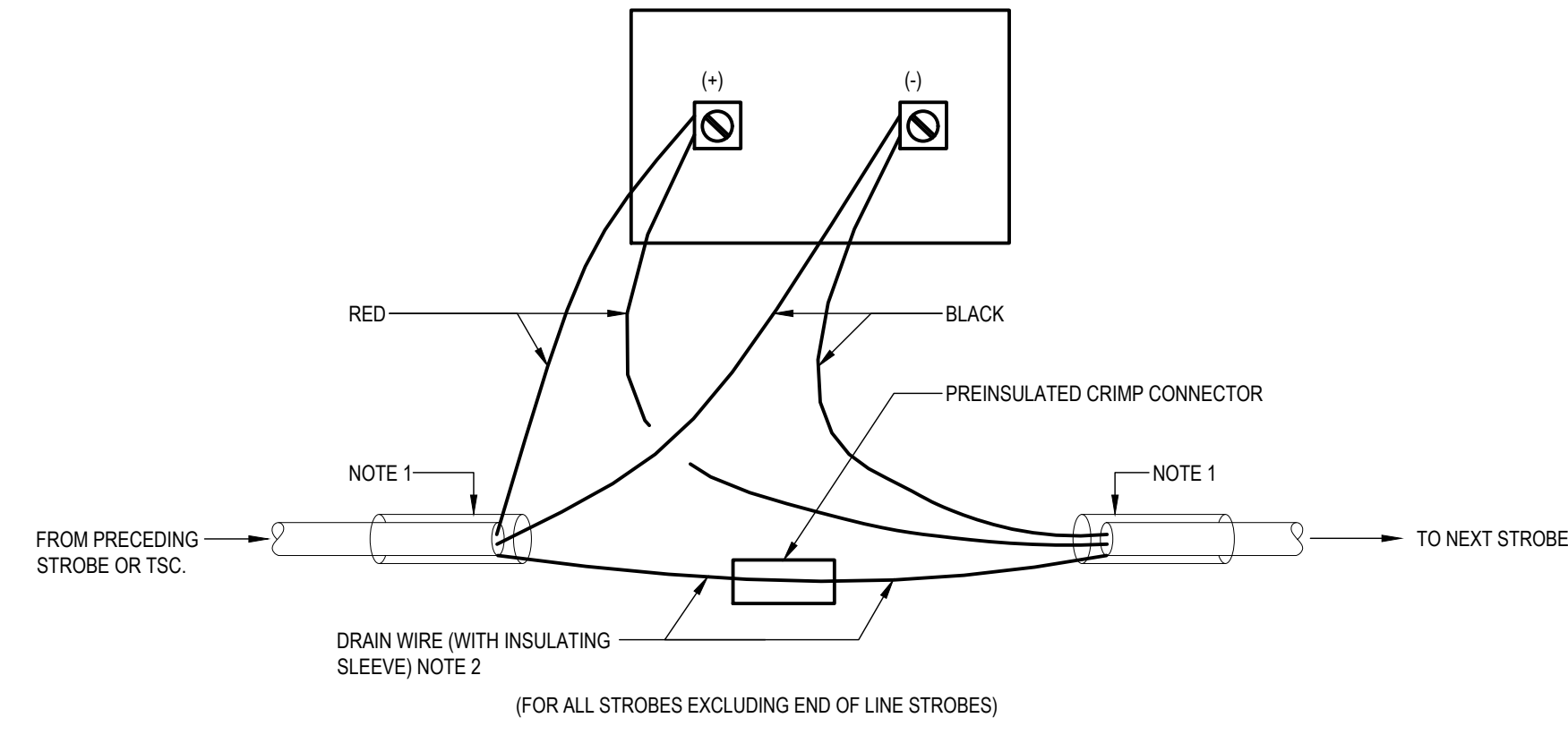
**SECTION A-A**  
N.T.S.

**DOOR ACCESS CONTROLS ROUGH-IN**

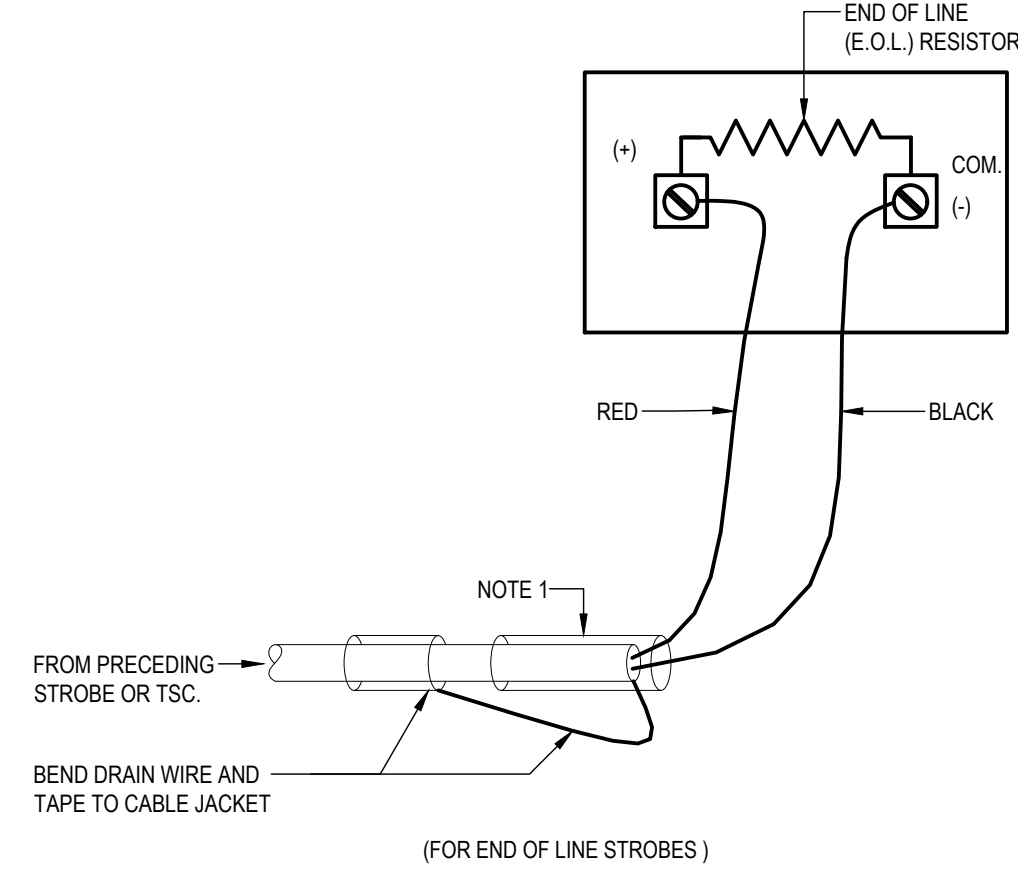
N.T.S.

**NOTES:**

1. THIS DETAIL IS FOR REFERENCE ONLY.
2. DIVISION 26 TO PROVIDE ALL DOOR HARDWARE ROUGH-INS. REFER TO ALL HARDWARE ELEVATIONS/DETAILS ATTACHED TO SPECIFICATION 27 05 28.
3. COORDINATE ALL WORK WITH HARDWARE SUPPLIER.



(FOR ALL STROBES EXCLUDING END OF LINE STROBES)



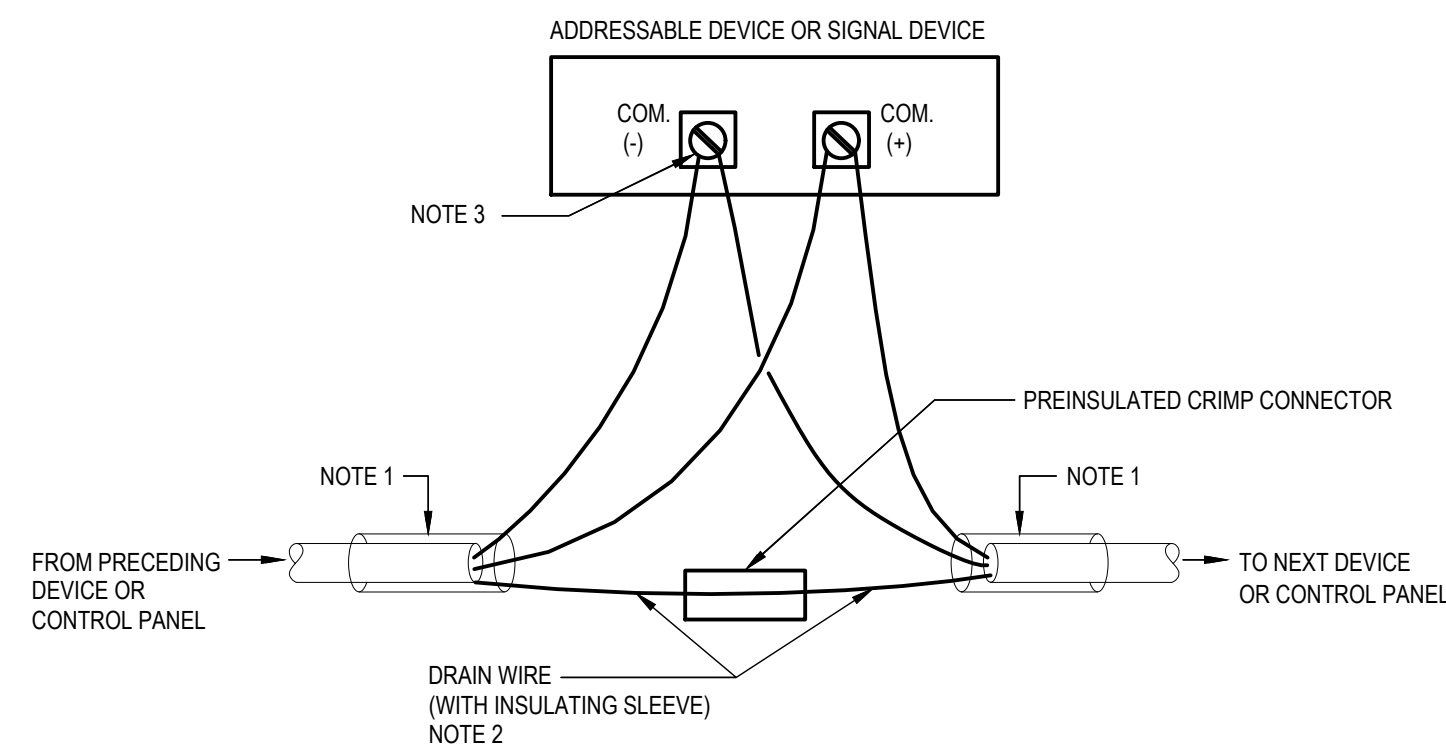
(FOR END OF LINE STROBES)

**TYPICAL STROBE WIRING DIAGRAM**

N.T.S.

**NOTES:**

1. ASSEMBLE DRAIN WIRE AT BOTH ENDS OF SHIELDED USING TYPICAL SHIELD/DRAIN INSULATION METHODS.
2. SHIELDS ON CABLES MUST BE CONTINUOUS AND INSULATED FROM BOXES, CONDUITS ETC. ALL SHIELDS MUST BE ISOLATED FROM GROUND. APPROVED "SHRINK" TUBING SHALL BE USED ON ALL DRAIN CONDUCTORS.

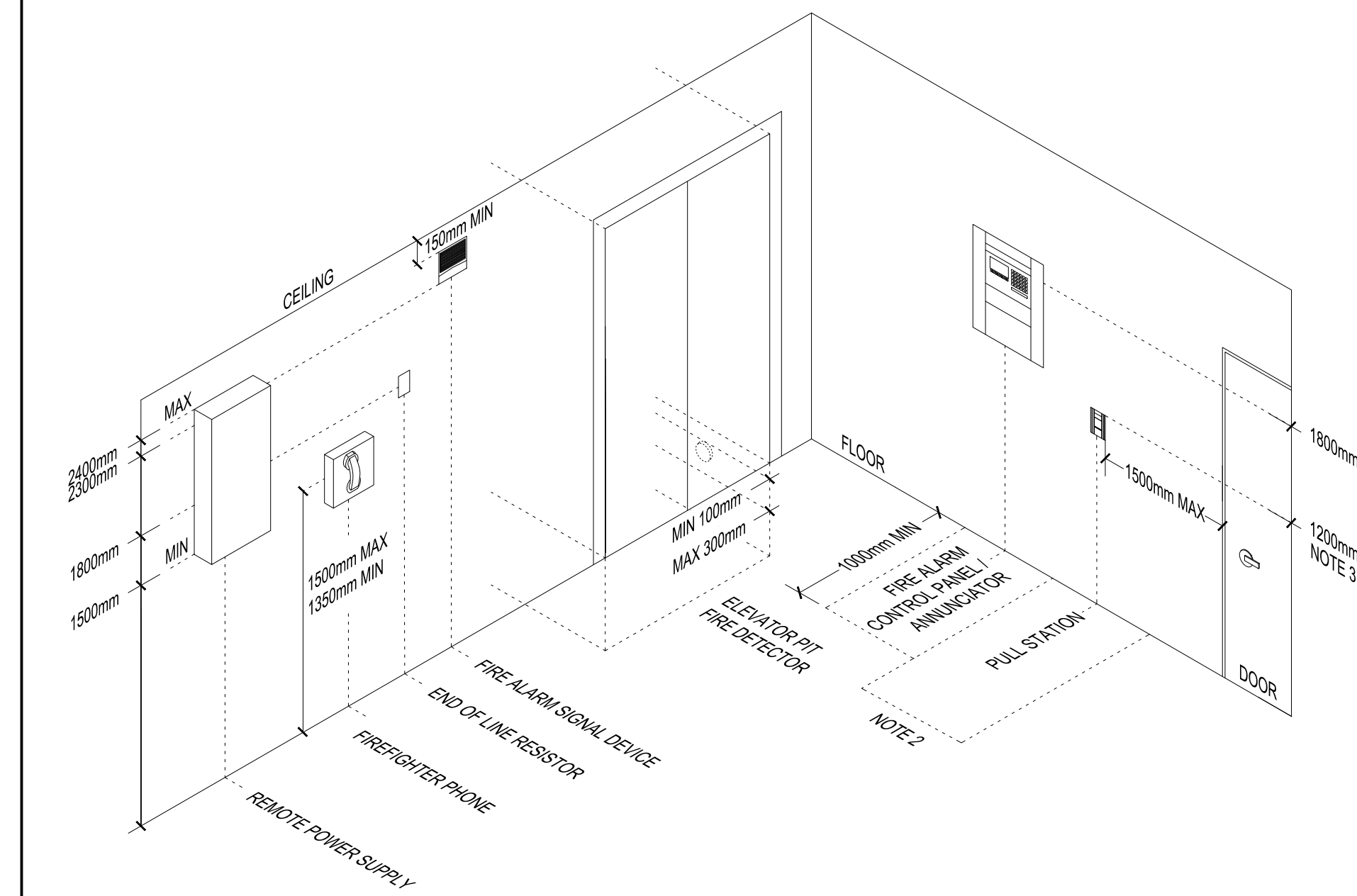


**TYPICAL ADDRESSABLE DETECTOR WIRING DIAGRAM**

N.T.S.

**NOTES:**

1. ASSEMBLE DRAIN WIRE AT BOTH ENDS OF SHIELD USING TYPICAL SHIELD/DRAIN INSULATION METHODS.
2. SHIELDS ON CABLES MUST BE CONTINUOUS AND INSULATED FROM BOXES, CONDUITS ETC. ALL SHIELDS MUST BE ISOLATED FROM GROUND. APPROVED "SHRINK" TUBING SHALL BE USED ON ALL DRAIN CONDUCTORS.
3. DO NOT LOOP WIRE UNDER TERMINALS. BREAK WIRE RUNS TO PROVIDE SUPERVISION.

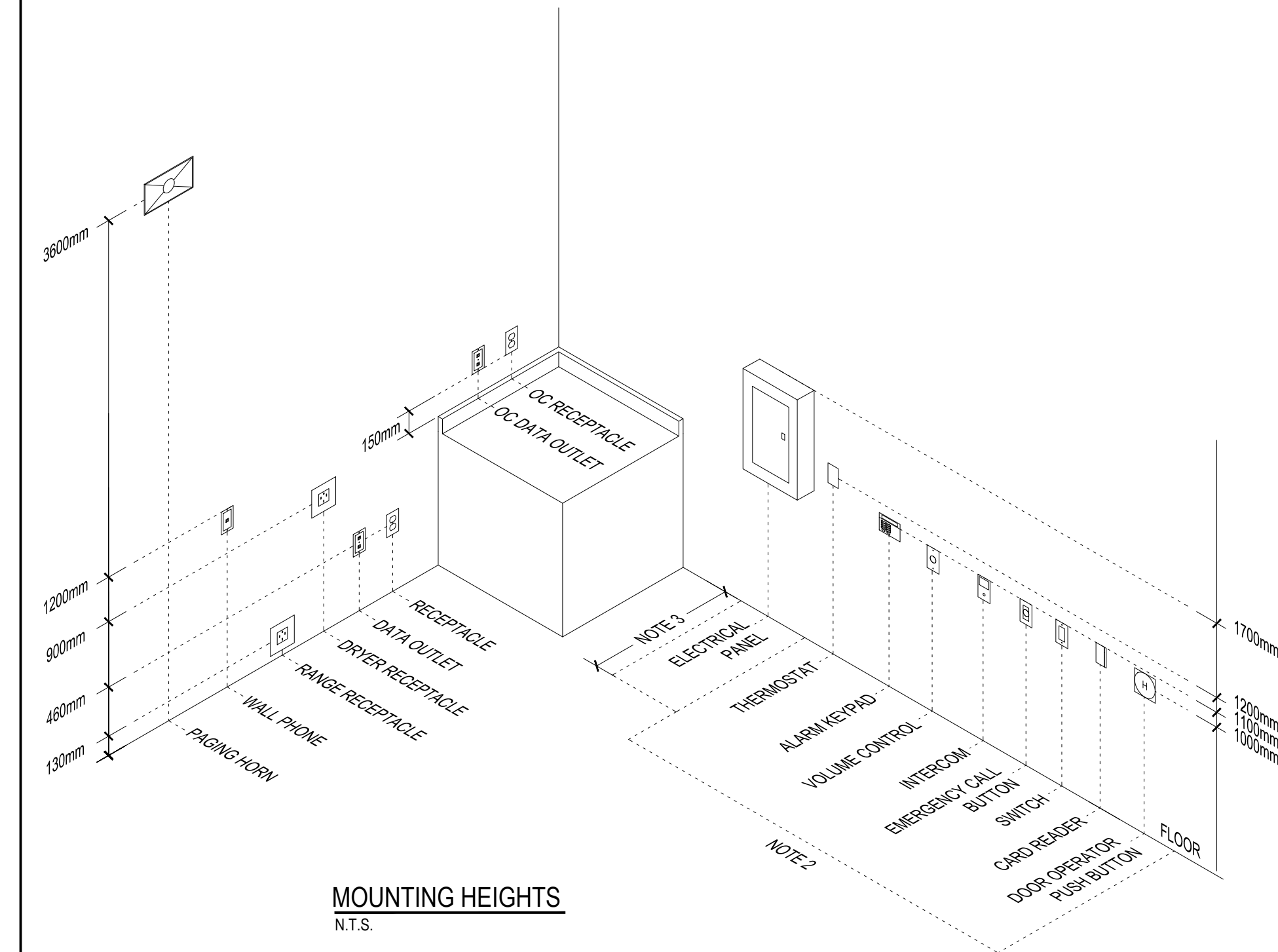


**FIRE ALARM MOUNTING HEIGHTS**

N.T.S.

**NOTES:**

1. COORDINATE DEVICE LOCATIONS WITH ARCHITECTURAL ELEVATIONS.
2. PROVIDE 810mm x 1370mm OF CLEAR SPACE CENTERED IN FRONT OF THE DEVICE.
3. PRIOR TO ROUGH-IN OF FIRE ALARM PULL STATIONS, REVIEW THE HEIGHTS ON SITE WITH BUILDING INSPECTOR TO ENSURE LOCAL REQUIREMENTS AND CODE INTERPRETATIONS ARE MET.



**MOUNTING HEIGHTS**

N.T.S.

**NOTES:**

1. COORDINATE DEVICE LOCATIONS WITH ARCHITECTURAL ELEVATIONS.
2. PROVIDE 810mm x 1370mm OF CLEAR SPACE CENTERED IN FRONT OF THE DEVICE.
3. MINIMUM 1000mm OR 1500mm CLEARANCE IF SHOWN ON FLOOR PLANS.

**Chorley+Bisset**  
CONSULTING ENGINEERS  
201 QUEENS AVE., UNIT 800 LONDON ON, N6A 1J1  
250 CITY CENTRE AVE., SUITE 403 OTTAWA ON, K1R 6K7



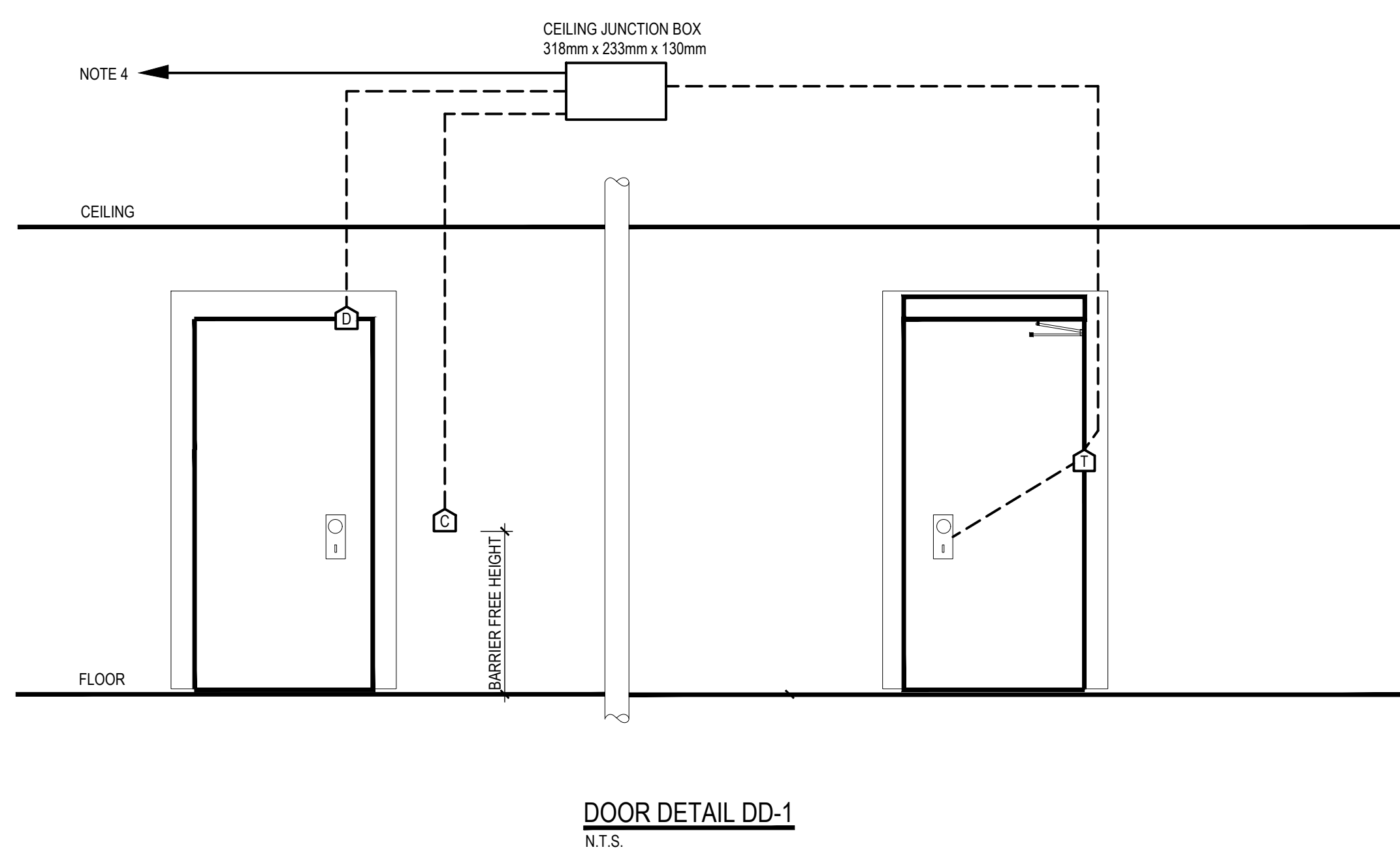
DO NOT SCALE THE DRAWINGS. ALL MEASUREMENTS ARE TO BE CHECKED AND VERIFIED ON SITE BY THE CONTRACTOR. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK.  
COPYRIGHT © ALL RIGHTS RESERVED. DRAWINGS AND RELATED DOCUMENTS ARE THE COPYRIGHT OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST OR AT THE COMPLETION OF THE WORK. REPRODUCTION OF THESE DRAWINGS OR RELATED DOCUMENTS IN PART OR IN WHOLE, BY ELECTRONIC OR MECHANICAL MEANS, IS FORBIDDEN BY LAW WITHOUT THE PRIOR WRITTEN PERMISSION OF THE CONSULTANT.

No.	ISSUED FOR	DATE
2	TENDER	2025-03-21
1	BUILDING PERMIT	2025-03-14

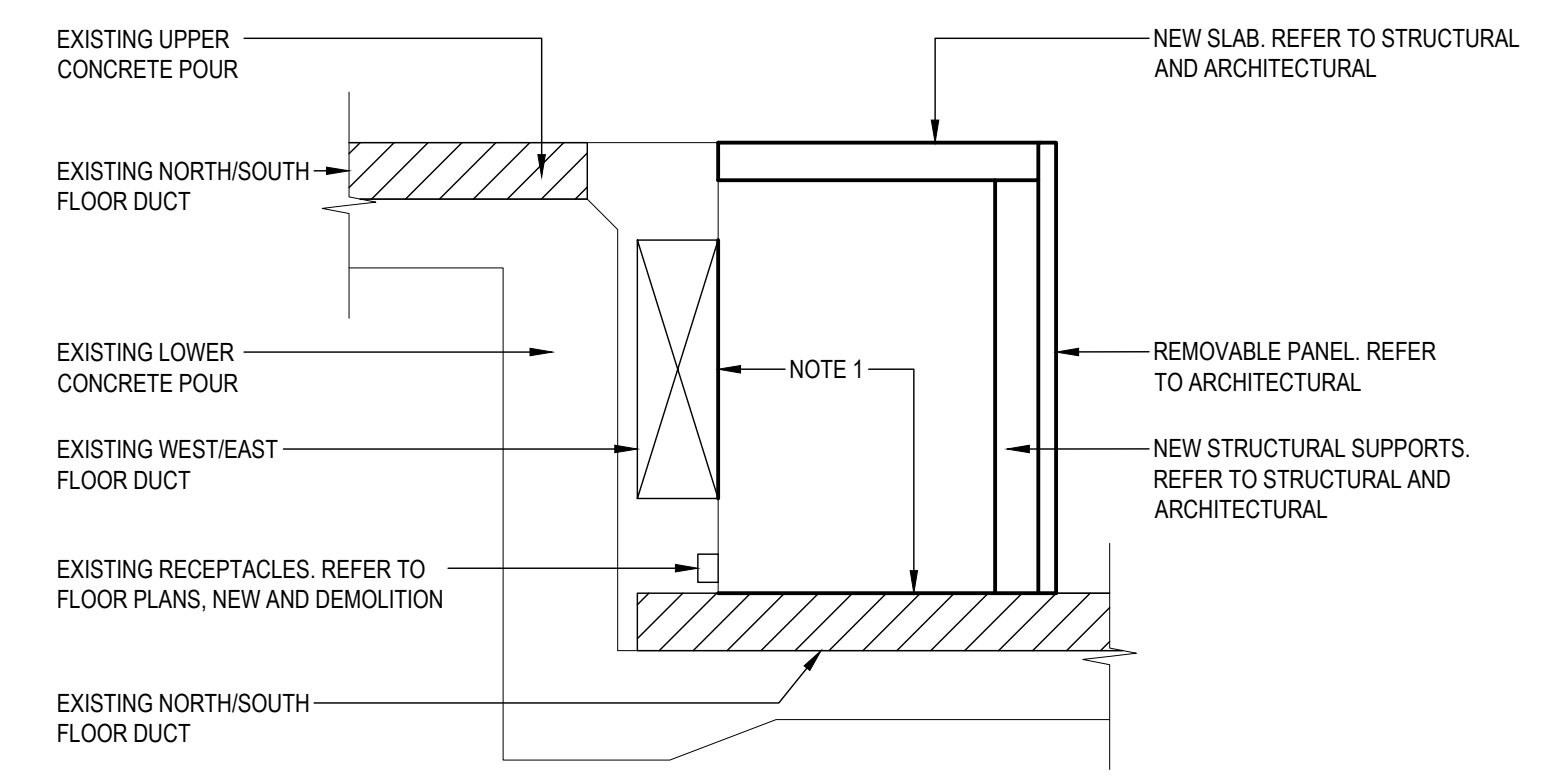
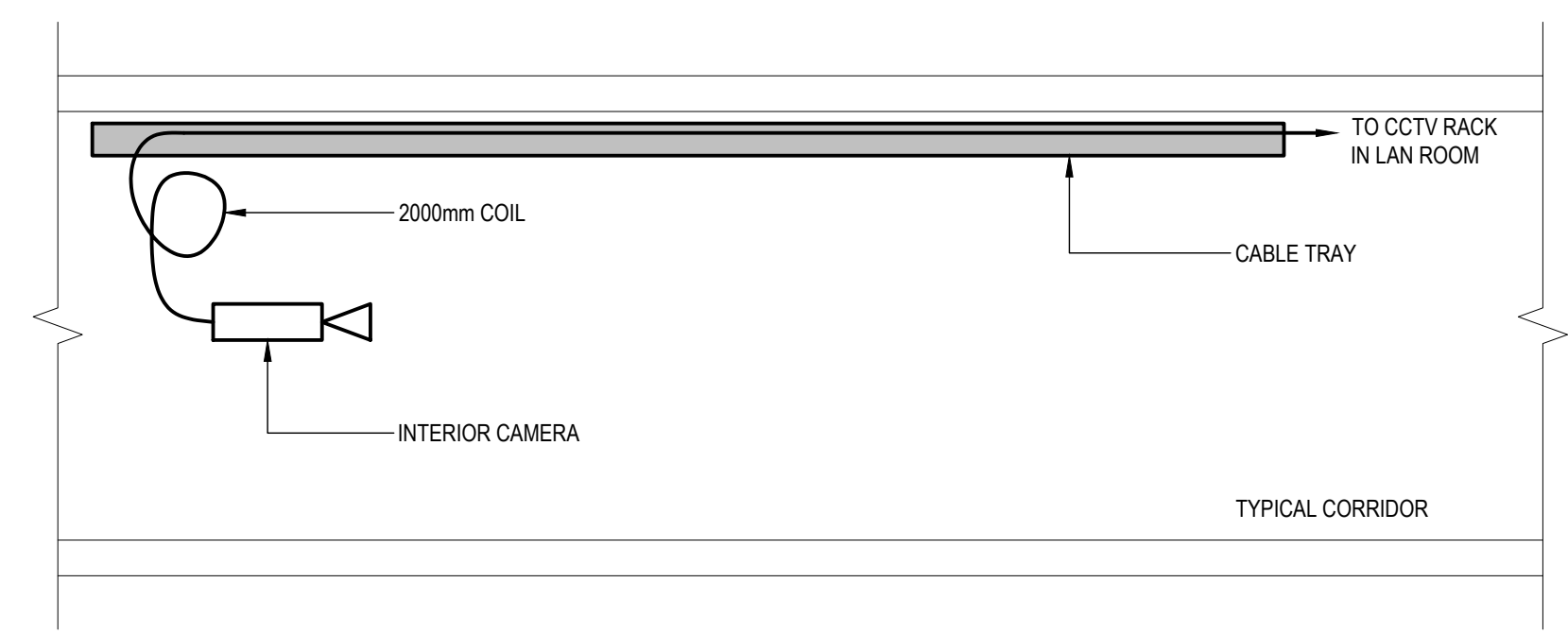
**DRAWING TITLE:**  
**ELECTRICAL DETAILS**

DRAWN:	SCALE:	PROJECT NO.:
AGB	AS NOTED	10348
CHECKED:	DATE:	
RDZ	MARCH, 2025	

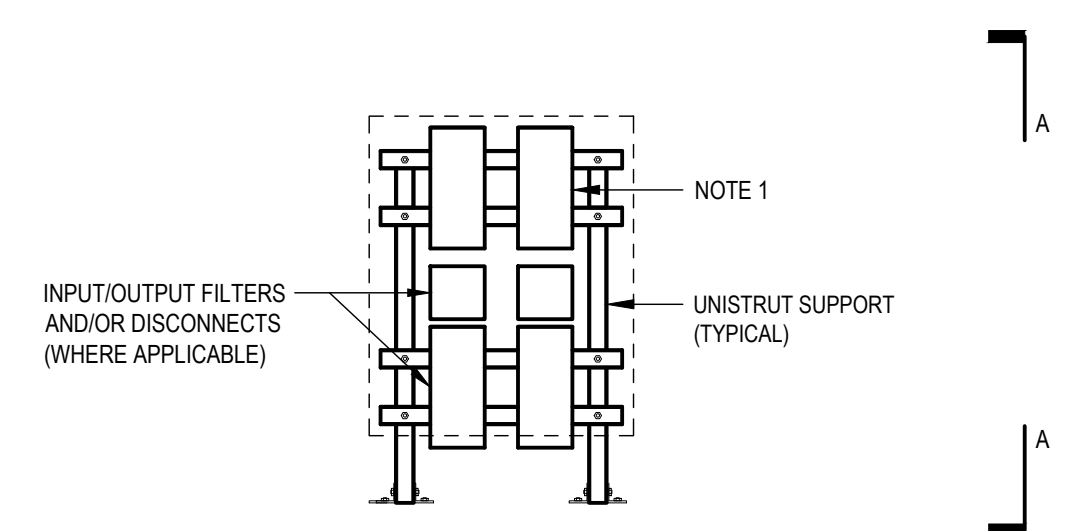
**E802**



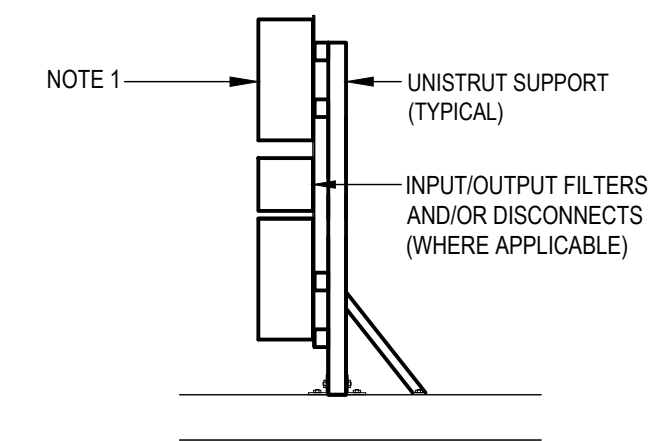
- NOTES:**
1. ALL VERTICAL CONDUIT 21mm UNLESS OTHERWISE SPECIFIED.
  2. ALL SECURITY DEVICE BACK BOXES SINGLE GANG UNLESS OTHERWISE SPECIFIED.
  3. REFER TO ARCHITECTURAL DOOR HARDWARE SCHEDULE FOR REQUIREMENTS AT EACH DOOR.
  4. COORDINATE ALL FINAL BOX AND CONDUIT ROUGH-IN WITH DOOR HARDWARE SUPPLIER.



- NOTES:**
1. MODIFY EXISTING COVERS AS NOTED ON FLOOR PLANS.



- NOTES:**
1. TYPICAL FOR VFD'S, FILTERS, DISCONNECTS, PANEL BOARDS AND OTHER ELECTRICAL EQUIPMENT AS REQUIRED.



- NOTES:**
1. TYPICAL FOR VFD'S, FILTERS, DISCONNECTS, PANEL BOARDS AND OTHER ELECTRICAL EQUIPMENT AS REQUIRED.



DO NOT SCALE THE DRAWINGS. ALL MEASUREMENTS ARE TO BE CHECKED AND VERIFIED ON SITE BY THE CONTRACTOR. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK.

COPYRIGHT © ALL RIGHTS RESERVED. DRAWINGS AND RELATED DOCUMENTS ARE THE COPYRIGHT OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST OR AT THE COMPLETION OF THE WORK. REPRODUCTION OF THESE DRAWINGS OR RELATED DOCUMENTS IN PART OR IN WHOLE, BY ELECTRONIC OR MECHANICAL MEANS, IS FORBIDDEN BY LAW WITHOUT THE PRIOR WRITTEN PERMISSION OF THE CONSULTANT.

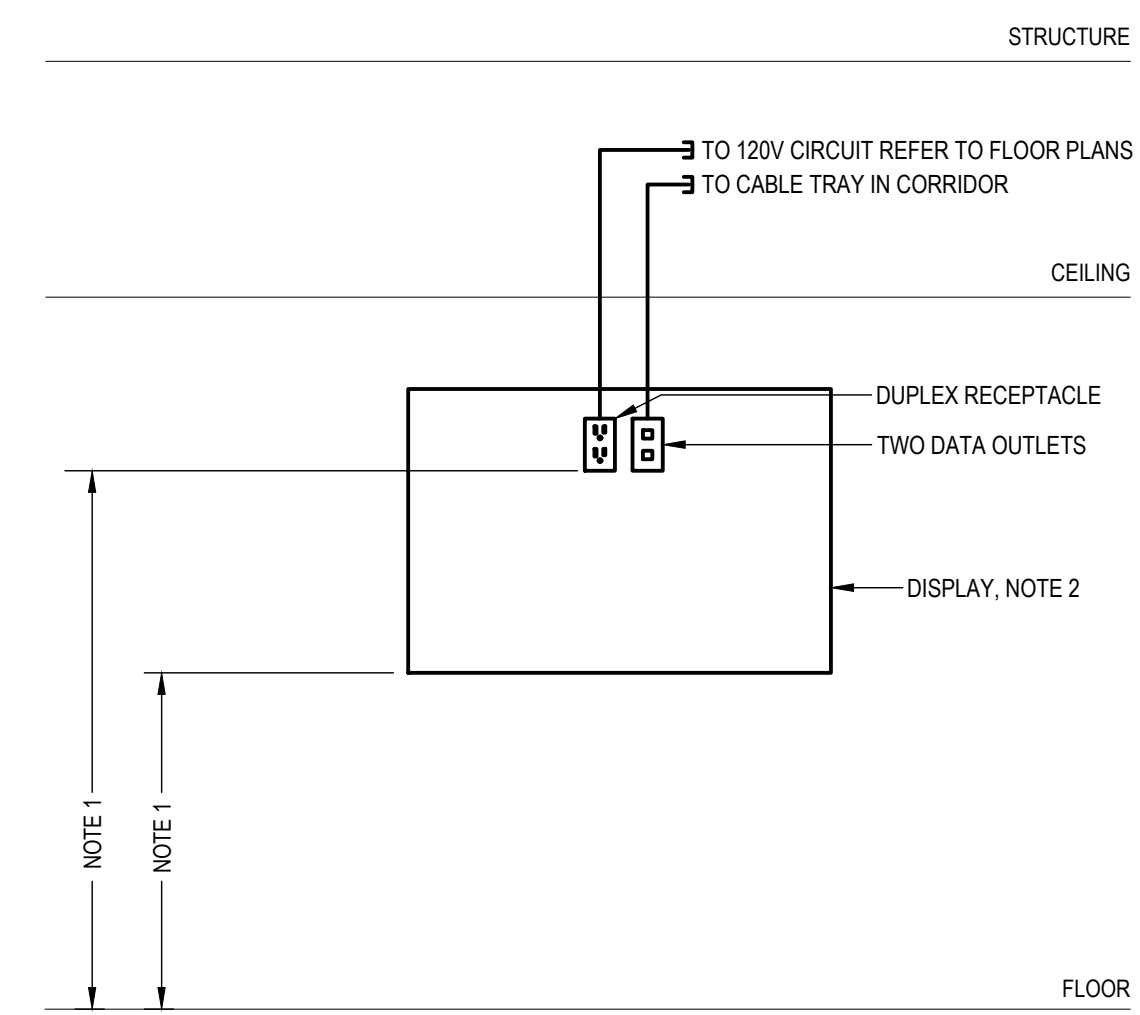
2	TENDER	2025-03-21
1	BUILDING PERMIT	2025-03-14
No.	ISSUED FOR	DATE

**ELECTRICAL DETAILS**

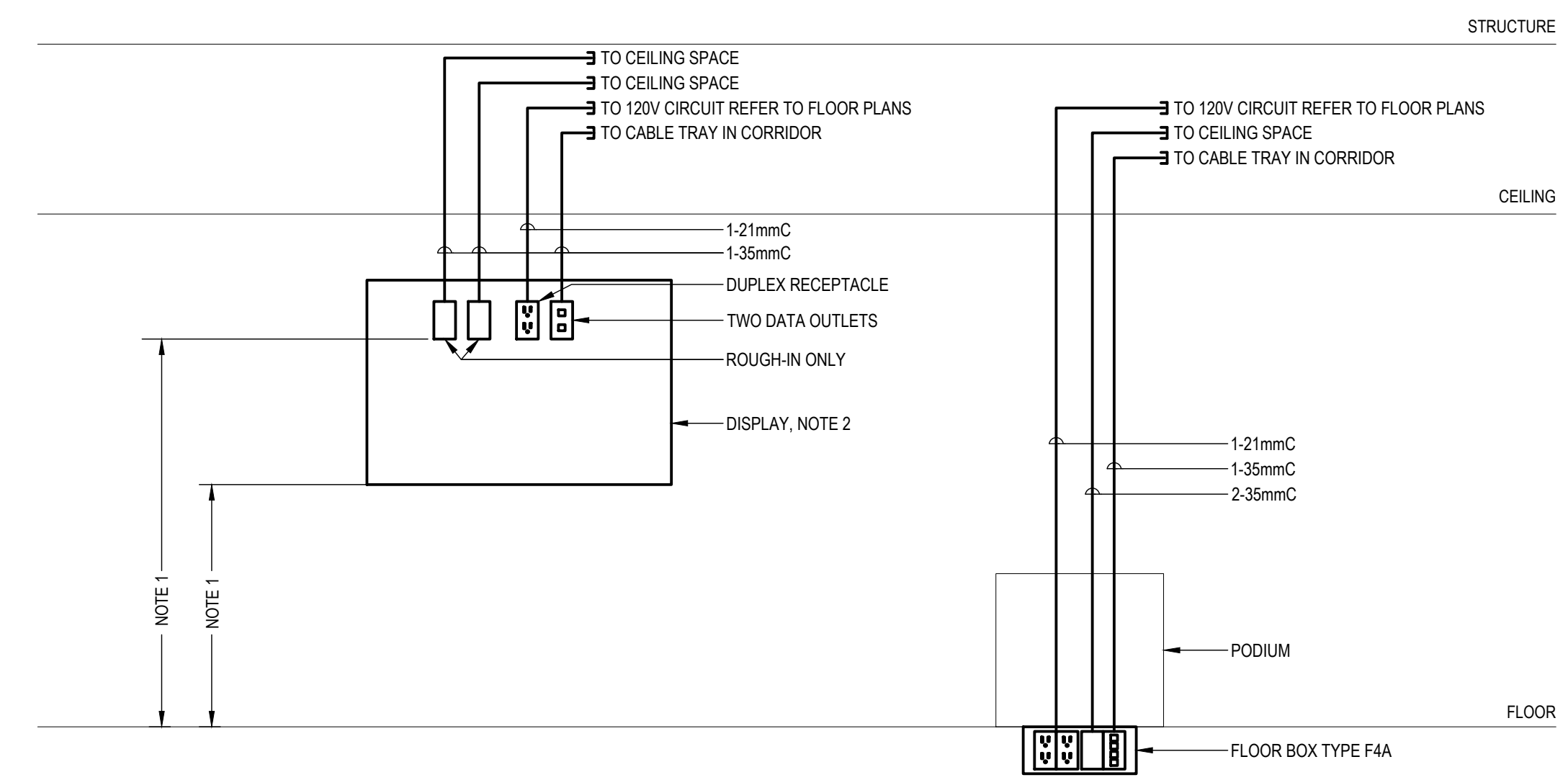
DRAWN:	AGB	SCALE:	AS NOTED	PROJECT NO.:	10348
CHECKED:	RDZ	DATE:	MARCH, 2025		



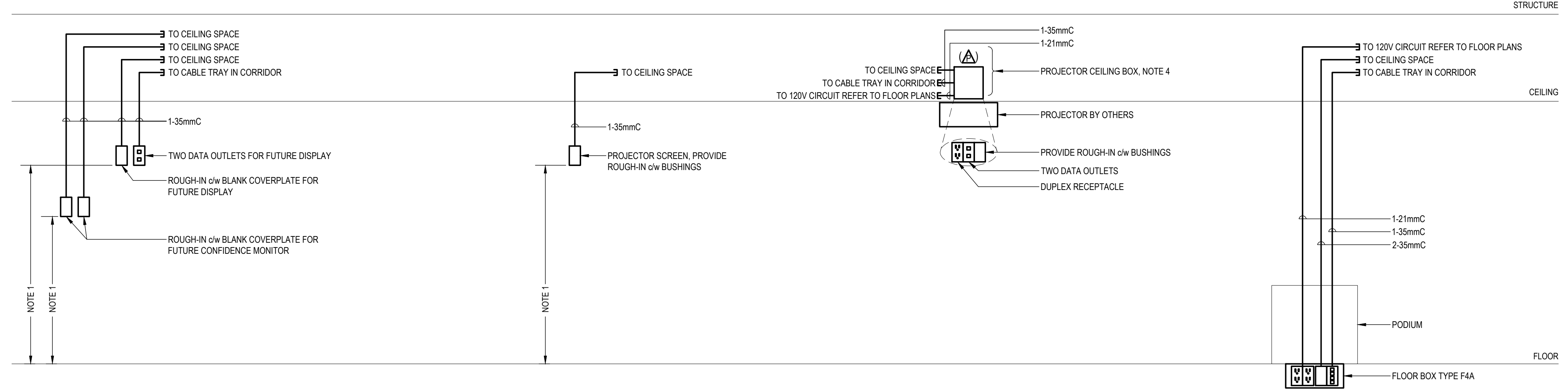
# SCOTIA BANK HALL RENOVATION



**WALL MOUNTED TV DETAIL TV<sup>1</sup>**  
 N.T.S.  
 NOTES:  
 1. CONFIRM MOUNTING HEIGHT OF DEVICES WITH ARCHITECTURAL PRIOR TO ROUGH-IN OF DEVICES.  
 2. REFER TO ARCHITECTURAL FOR 21mm PLYWOOD BACKBOARD DIMENSIONS AND LOCATIONS.  
 3. PROVIDE PULL STRINGS IN ALL EMPTY CONDUITS.



**WALL MOUNTED TV DETAIL TV<sup>2</sup>**  
 N.T.S.  
 NOTES:  
 1. CONFIRM MOUNTING HEIGHT OF DEVICES WITH ARCHITECTURAL PRIOR TO ROUGH-IN OF DEVICES.  
 2. REFER TO ARCHITECTURAL FOR 21mm PLYWOOD BACKBOARD DIMENSIONS AND LOCATIONS.  
 3. PROVIDE PULL STRINGS IN ALL EMPTY CONDUITS.  
 4. REFER TO FLOOR PLANS FOR LOCATIONS OF DEVICES AND EQUIPMENT.



**CEILING MOUNTED PROJECTOR DETAIL**  
 N.T.S.  
 NOTES:  
 1. CONFIRM MOUNTING HEIGHT OF DEVICES WITH ARCHITECTURAL PRIOR TO ROUGH-IN OF DEVICES.  
 2. PROVIDE PULL STRINGS IN ALL EMPTY CONDUITS.  
 3. REFER TO FLOOR PLANS FOR LOCATIONS OF DEVICES AND EQUIPMENT.  
 4. DEVICE BACK BOX TO BE HUBBELL I STATION LINE C/W ISOLATION BETWEEN POWER AND DATA COMPARTMENTS.

**Chorley+Bisset**  
 CONSULTING ENGINEERS  
 201 QUEENS AVE., UNIT 800 LONDON ON, N6A 1J1  
 250 CITY CENTRE AVE., SUITE 403 OTTAWA ON, K1R 6K7



DO NOT SCALE THE DRAWINGS. ALL MEASUREMENTS ARE TO BE CHECKED AND VERIFIED ON SITE BY THE CONTRACTOR. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK.  
 COPYRIGHT © ALL RIGHTS RESERVED. DRAWINGS AND RELATED DOCUMENTS ARE THE COPYRIGHT OF THE CONSULTANT AND MUST BE RETURNED UPON REQUEST OR AT THE COMPLETION OF THE WORK. REPRODUCTION OF THESE DRAWINGS OR RELATED DOCUMENTS IN PART OR IN WHOLE, BY ELECTRONIC OR MECHANICAL MEANS, IS FORBIDDEN BY LAW WITHOUT THE PRIOR WRITTEN PERMISSION OF THE CONSULTANT.

2	TENDER	2025-03-21
1	BUILDING PERMIT	2025-03-14
No.	ISSUED FOR	DATE

DRAWING TITLE:  
**ELECTRICAL DETAILS**

DRAWN:	AGB	SCALE:	AS NOTED	PROJECT NO.:	10348
CHECKED:	RDZ	DATE:	MARCH, 2025		

**E804**

DRAWING NO. 2025-03-14  
 DATE ISSUED: 2025-03-14 AM  
 DATE PLOTTED: 2025-03-14 AM