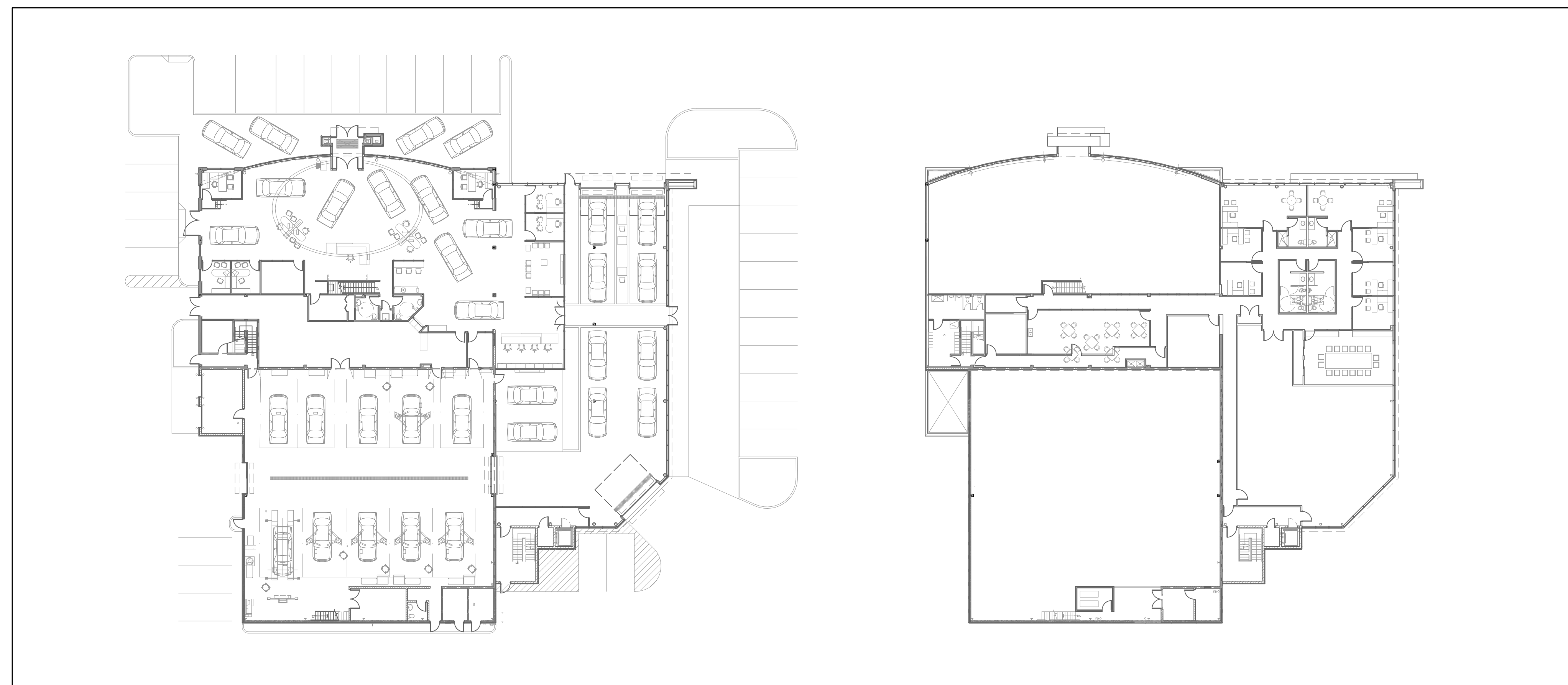


# CLARINGTON TOYOTA

10 SPICER SQ  
BOWMANVILLE, ONTARIO  
L1C 5M2

DRAWING LIST	
NUMBER	DESCRIPTION
E-1	COVER SHEET
E-2	SPECIFICATION, LEGEND AND LUMINAIRE SCHEDULE
E-3	SITE PLAN
E-4	MAIN FLOOR - DEMOLITION PLAN
E-5	SECOND FLOOR - DEMOLITION PLAN
E-6	MAIN FLOOR - LIGHTING PLAN
E-7	SECOND FLOOR - LIGHTING PLAN
E-8	MAIN FLOOR - POWER AND SYSTEMS PLAN
E-9	SECOND FLOOR - POWER AND SYSTEMS PLAN
E-10	PANELBOARD SCHEDULE AND POWER DISTRIBUTION
E-11	DETAIL SHEET NO.1



**GROUND FLOOR - KEYPLAN**  
SCALE: N.T.S.

**SECOND FLOOR - KEYPLAN**  
SCALE: N.T.S.

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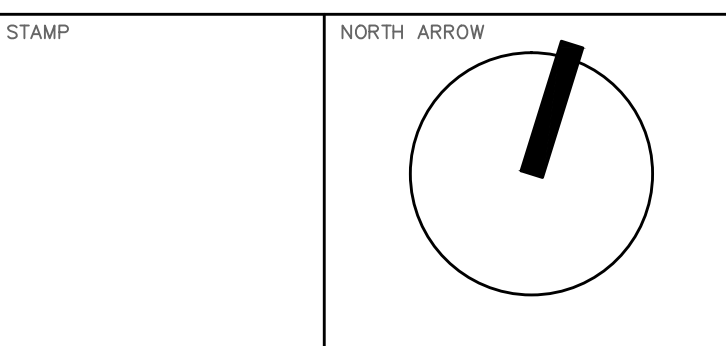
**CONSULTANT:**  
  
**IANUZZIELLO & ASSOCIATES INC.**  
305 MILNER AVENUE, SUITE 215  
SCARBOROUGH, ONTARIO, M1B 3V4  
TEL: (416) 609-8570  
FAX: (416) 609-0702  
E-mail: info@ianuzziello.com

DATE	REV.	DESCRIPTION	DRN. BY
2025-04-01	2	ISSUED FOR PRELIMINARY PRICING	LH.
2025-01-31	1	ISSUED FOR PERMIT	LH.

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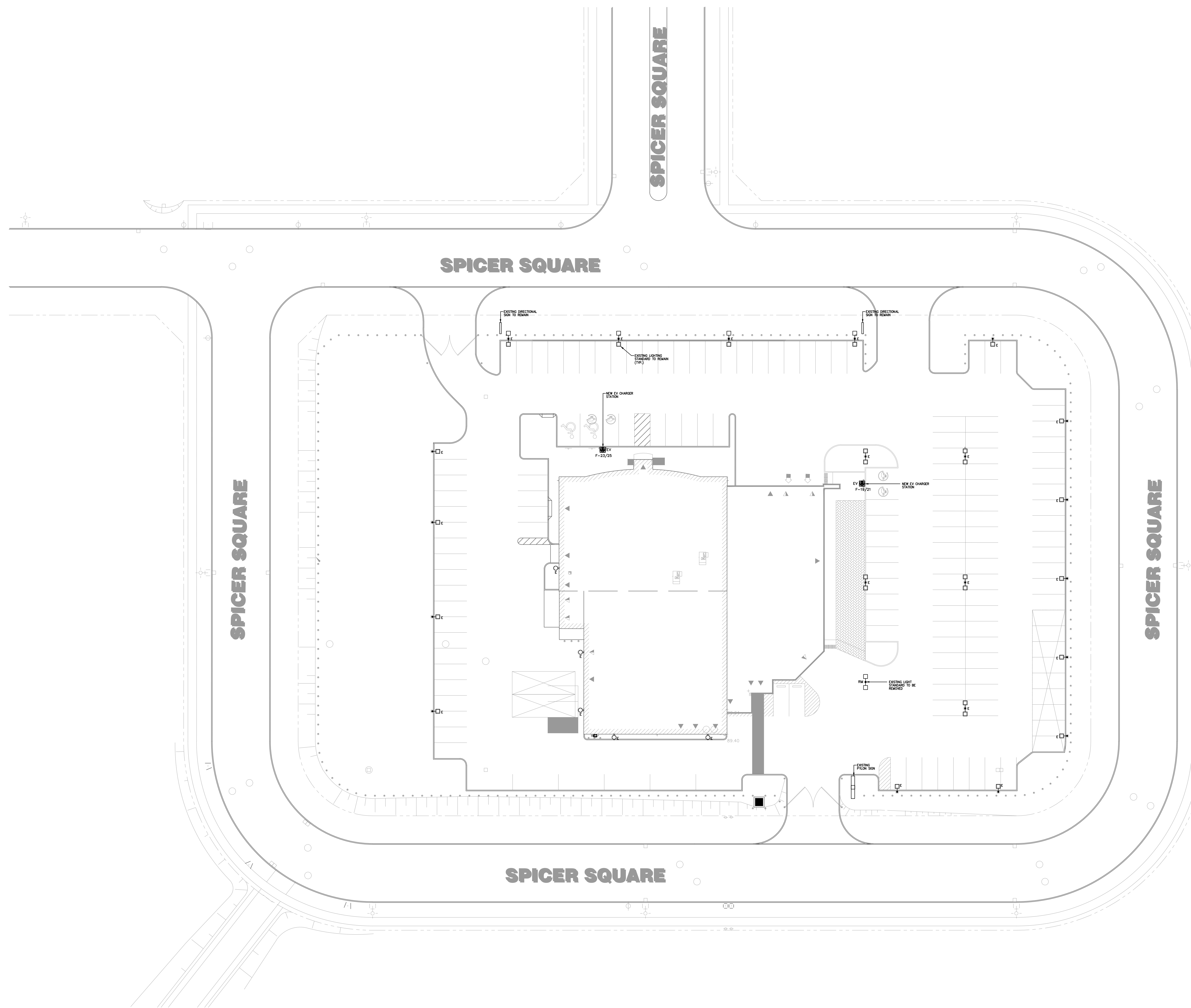
**PROJECT:**  
CLARINGTON TOYOTA  
BOWMANVILLE, ONTARIO

**DRAWING TITLE:**  
COVER SHEET

**DRAWING No.:**  
E-1

**SCALE:** NTS  
**FILE NAME:** 23217-ELEC  
**JOB No.:** 23217  
**PLOT DATE:** JANUARY 2025





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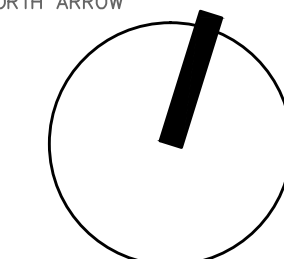
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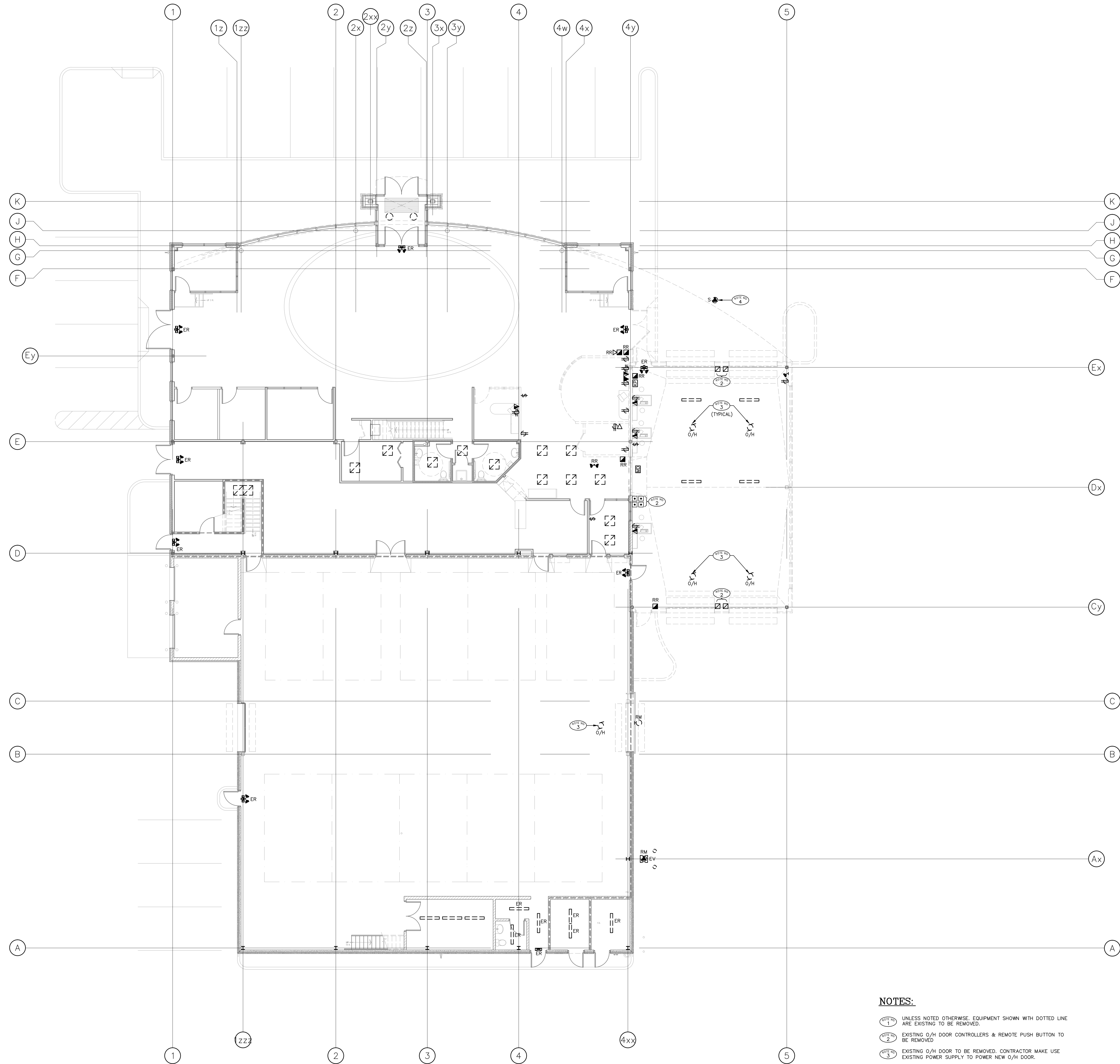
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**PROJECT**  
**CLARINGTON TOYOTA**  
**BOWMANVILLE, ONTARIO**

**DRAWING TITLE**  
**SITE PLAN**

**DRAWING No.**  
**E-3**

**SCALE** 1:300 **JOB No.** 23217  
**FILE NAME** 23217-ELEC **PLOT DATE** JANUARY 2025



**NOTES:**

- UNLESS NOTED OTHERWISE, EQUIPMENT SHOWN WITH DOTTED LINE ARE EXISTING TO BE REMOVED.
- EXISTING O/H DOOR CONTROLLERS & REMOTE PUSH BUTTON TO BE REMOVED.
- EXISTING O/H DOOR TO BE REMOVED. CONTRACTOR MAKE USE EXISTING POWER SUPPLY TO POWER NEW O/H DOOR.
- EXISTING SIGNAGE TO BE REMOVED AND RELOCATED. EXACT LOCATION TO BE DETERMINED AT LATER DATE.

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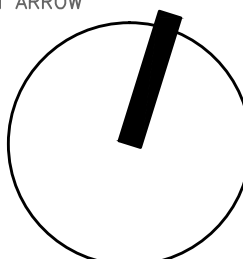
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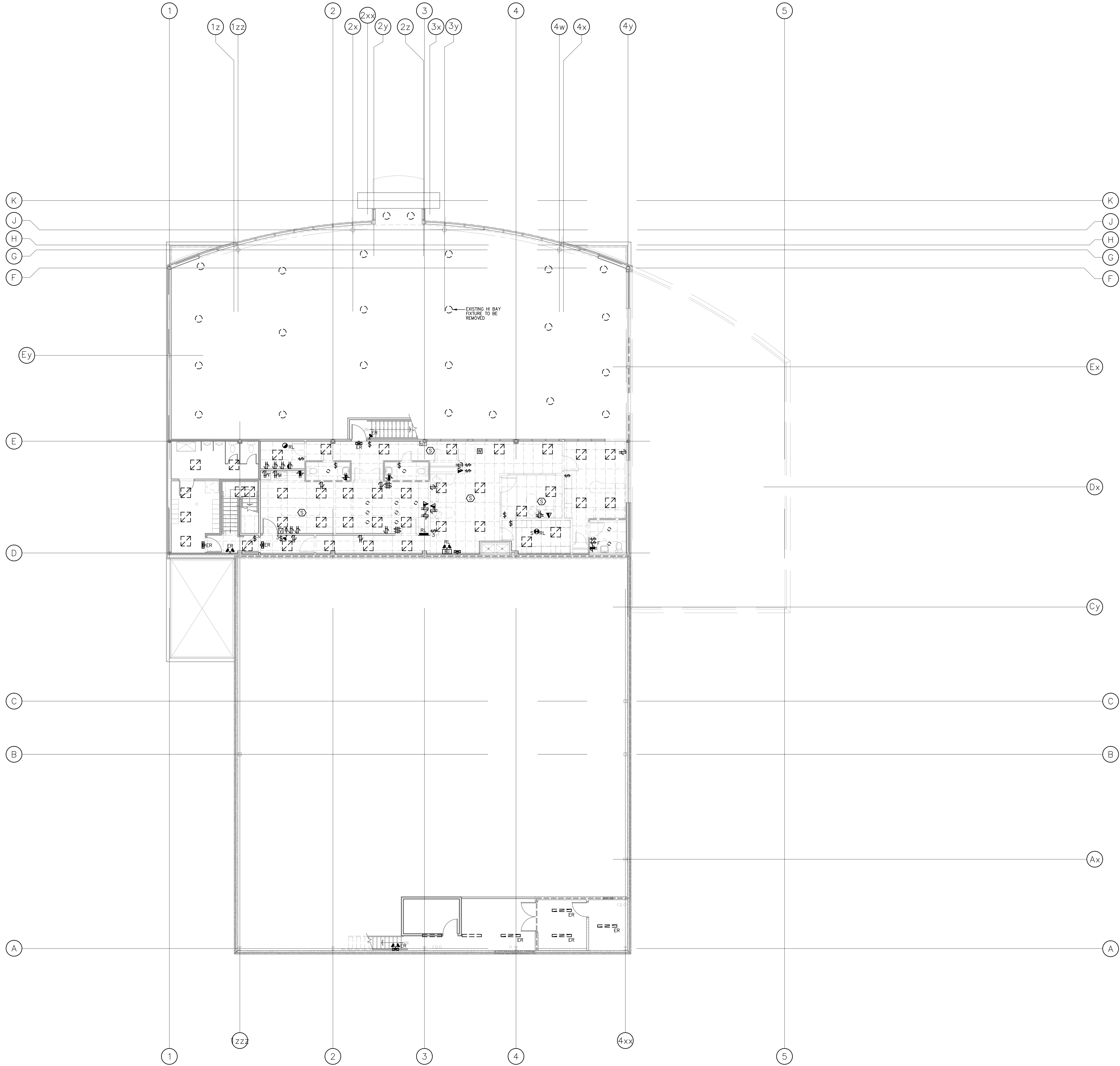
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**PROJECT:**  
**CLARINGTON TOYOTA**  
**BOWMANVILLE, ONTARIO**

<b>DRAWING TITLE:</b> MAIN FLOOR DEMOLITION PLAN	<b>DRAWING No.:</b> E-4
<b>SCALE:</b> 1:100	<b>JOB No.:</b> 23217
<b>FILE NAME:</b> 23217-ELEC	<b>PLOT DATE:</b> JANUARY 2025



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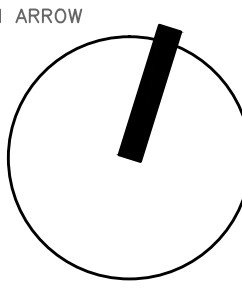
DATE	REV.	DESCRIPTION	DRN. BY
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NORTH ARROW

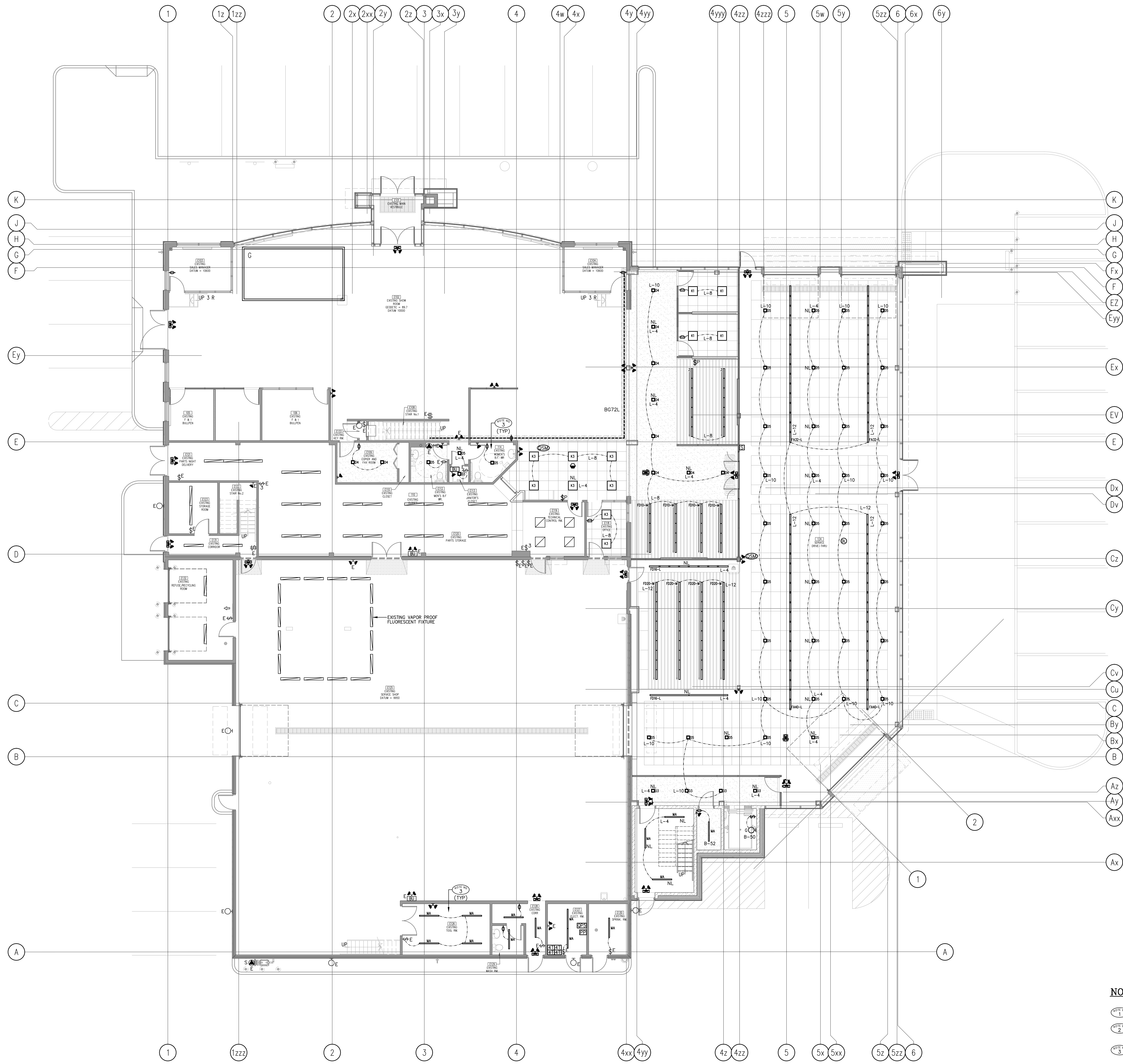
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PROJECT:  
**CLARINGTON TOYOTA**  
**BOWMANVILLE, ONTARIO**

DRAWING TITLE:  
**2ND FLOOR**  
**DEMOLITION PLAN**

DRAWING No. **E-5**

SCALE: 1:100  
 JOB No. 23217  
 FILE NAME: 23217-ELEC  
 PLOT DATE: JANUARY 2025



**NOTES:**

- NOTE 1 WIRE NEW EXIT/EMERGENCY LIGHTING AND BATTERY UNITS WITH EXISTING LIGHTING CIRCUITS.
- NOTE 2 MAKE USE EXISTING CIRCUITS IN EXISTING 347/600V LIGHTING PANEL TO REFEED NEW LIGHTING ON GROUND & 2ND FLOOR AS REQUIRED.
- NOTE 3 NEW LIGHTING IN EXISTING ROOM CAN BE REFEED WITH EXISTING CIRCUIT. CONTRACTOR TO SITE VERIFY EXISTING CIRCUIT AND VOLTAGE AS REQUIRED.

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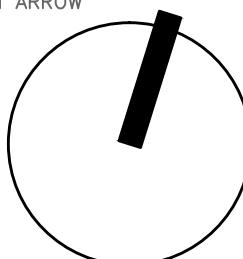
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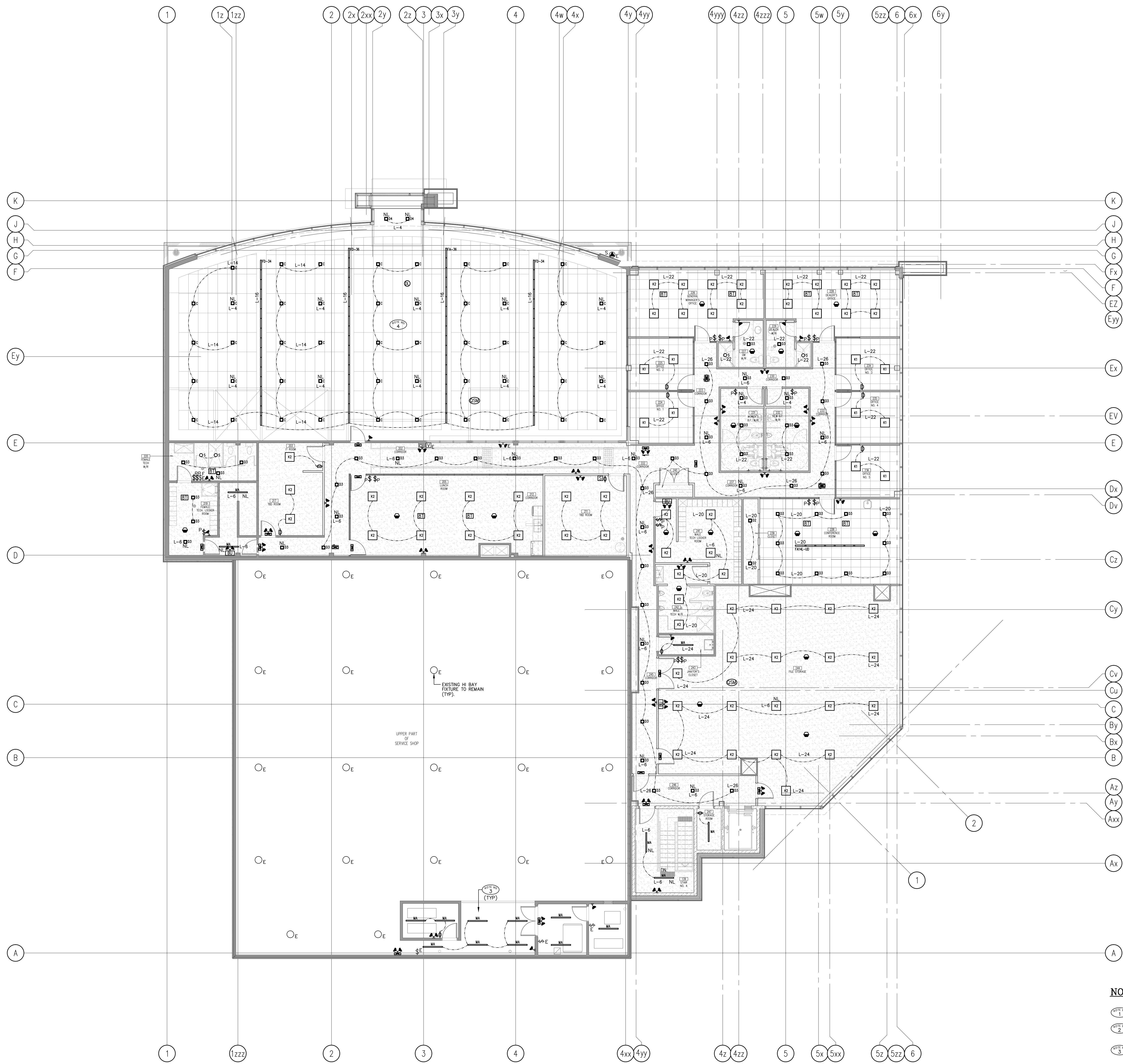
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**PROJECT:**  
**CLARINGTON TOYOTA**  
**BOWMANVILLE, ONTARIO**

**DRAWING TITLE:**  
**MAIN FLOOR LIGHTING PLAN**

DRAWING No. **E-6**

SCALE: 1:100  
 JOB No. 23217  
 FILE NAME: 23217-ELEC  
 PLOT DATE: JANUARY 2025



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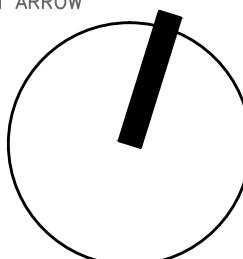
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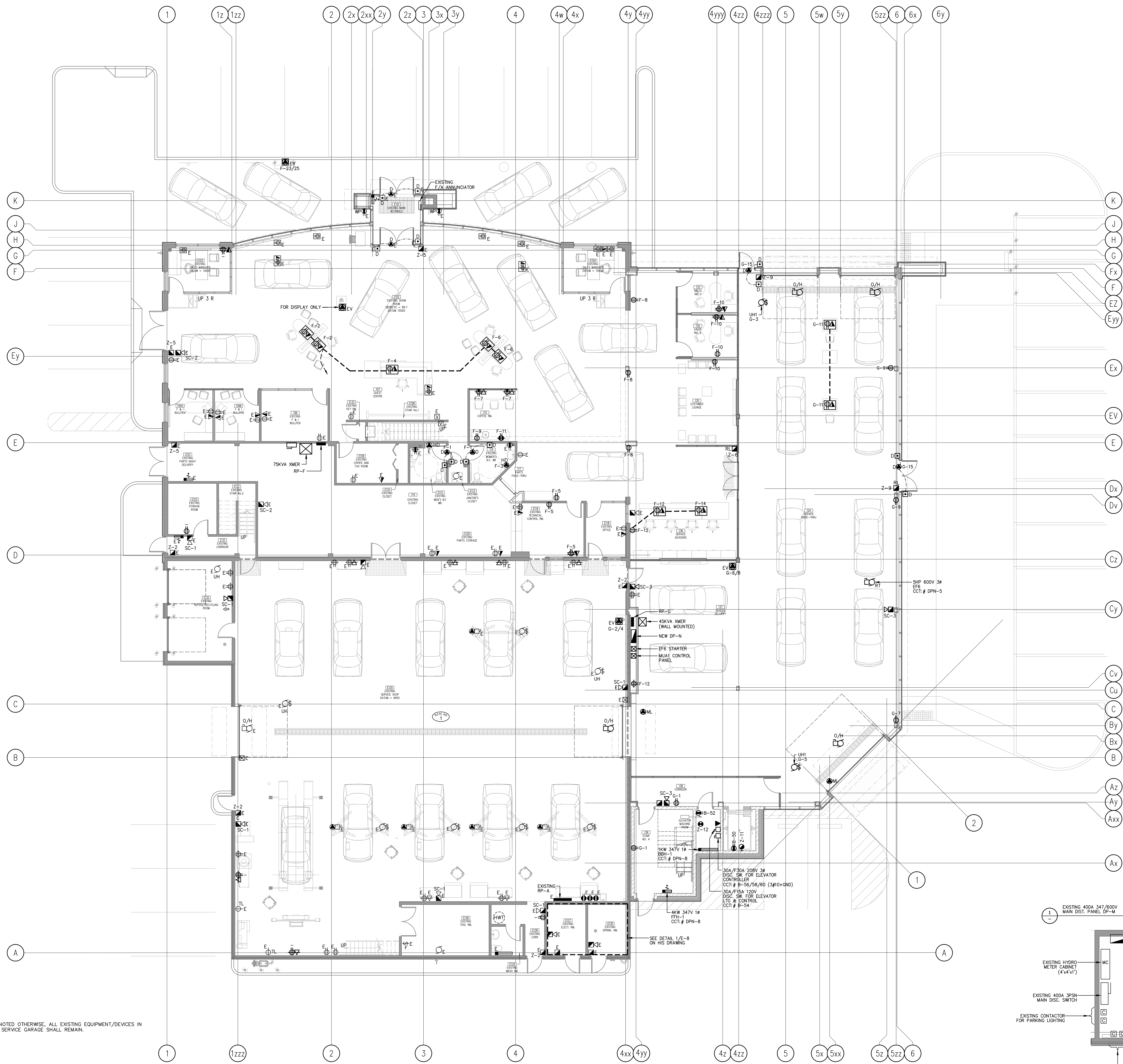
**PROJECT:**  
**CLARINGTON TOYOTA**  
**BOWMANVILLE, ONTARIO**

**DRAWING TITLE:**  
**SECOND FLOOR LIGHTING PLAN**

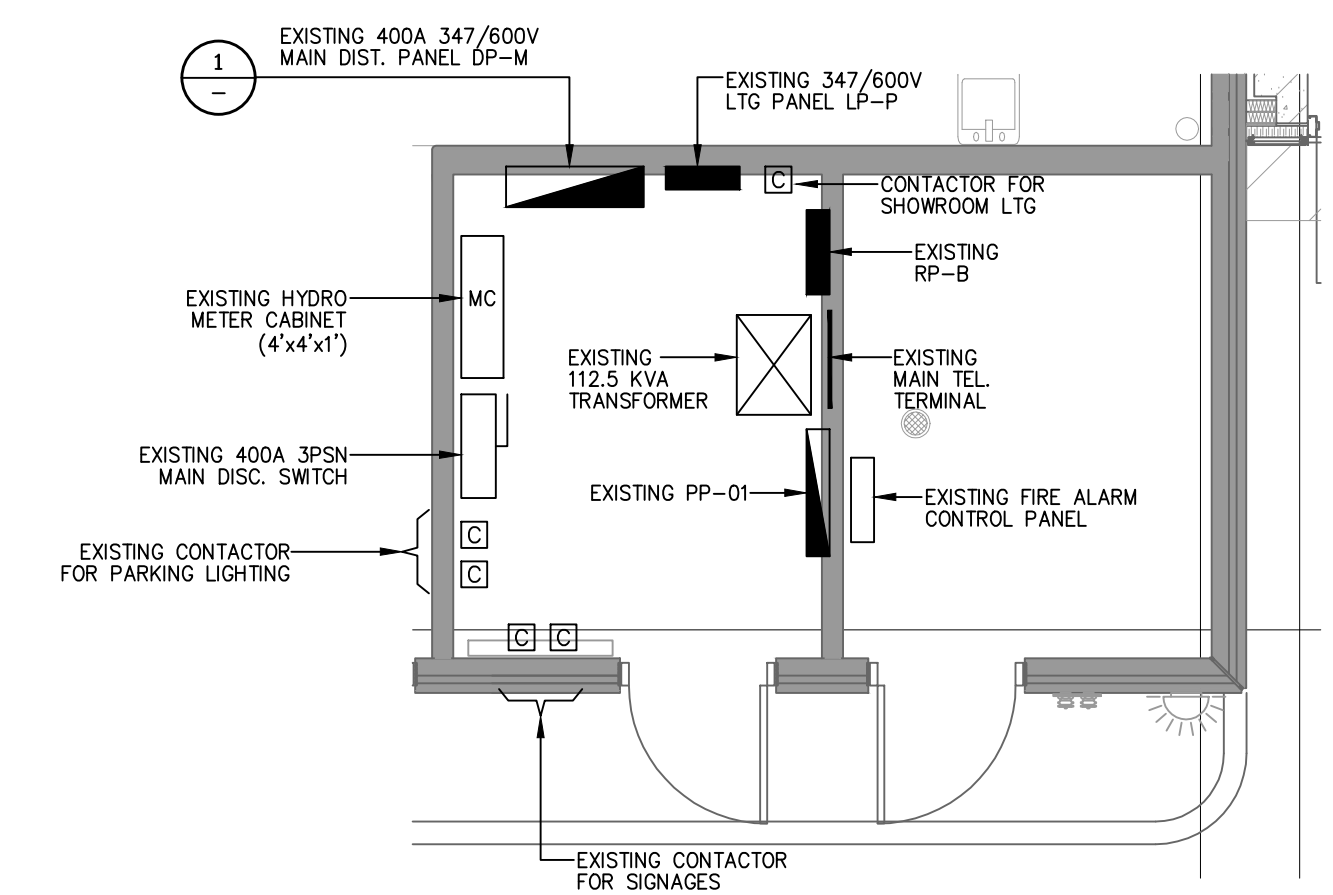
**SCALE:** 1:100  
**FILE NAME:** 23217-ELEC  
**JOB No.:** 23217  
**PLOT DATE:** JANUARY 2025

- NOTES:**
- NOTE 1 WIRE NEW EXIT/EMERGENCY LIGHTING AND BATTERY UNITS WITH EXISTING LIGHTING CIRCUITS.
  - NOTE 2 MAKE USE EXISTING CIRCUITS IN EXISTING 347/600V LIGHTING PANEL TO REFEED NEW LIGHTING ON GROUND & 2ND FLOOR AS REQUIRED.
  - NOTE 3 NEW LIGHTING IN EXISTING ROOM CAN BE REFEED WITH EXISTING CIRCUIT. CONTRACTOR TO SITE VERIFY EXISTING CIRCUIT AND VOLTAGE AS REQUIRED.
  - NOTE 4 NEW LIGHTING IN EXISTING SHOWROOM TO BE WIRED WITH NEW CIRCUITS.

**DRAWING No.:**  
**E-7**



**NOTES:**  
 UNLESS NOTED OTHERWISE, ALL EXISTING EQUIPMENT/DEVICES IN EXISTING SERVICE GARAGE, SHALL REMAIN.



**1**  
**E-8** **EXISTING MAIN ELECTRICAL ROOM**  
 SCALE: 1:50

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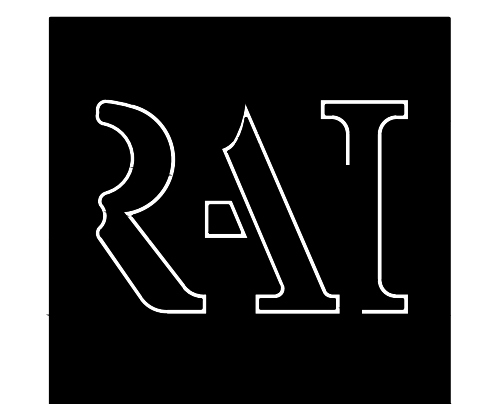
**CONSULTANT:**



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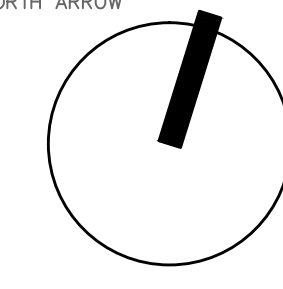
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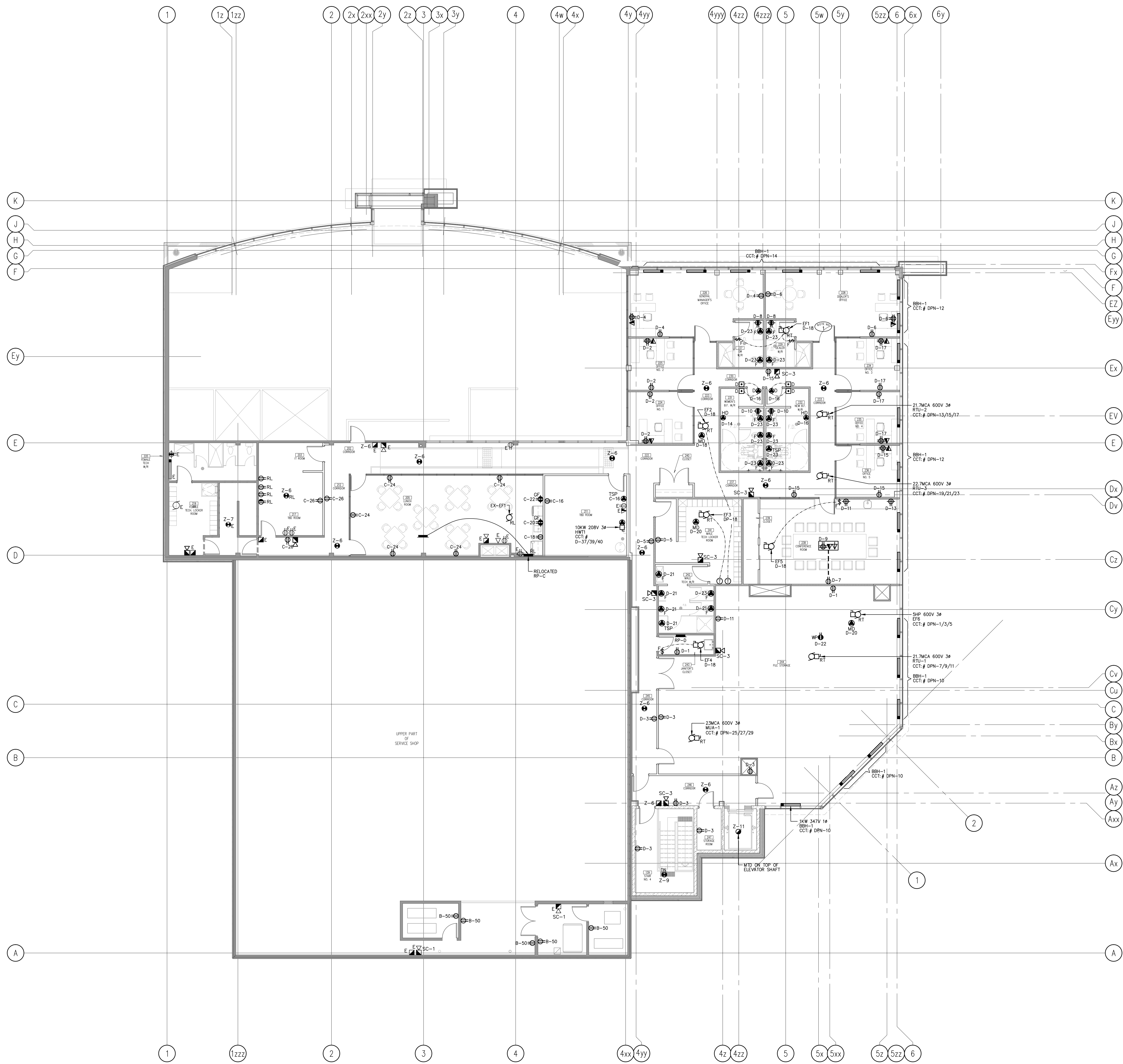
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**PROJECT:**  
**CLARINGTON TOYOTA**  
**BOWMANVILLE, ONTARIO**

SCALE	1:100	JOB No.	23217
FILE NAME	23217-ELEC	DATE	JANUARY 2025

**DRAWING TITLE:**  
**MAIN FLOOR POWER & SYSTEMS PLAN**  
**E-8**





**NOTES:**  
 1 WIRE EF-1 & EF-4 TO SAME LIGHTING CIRCUIT.

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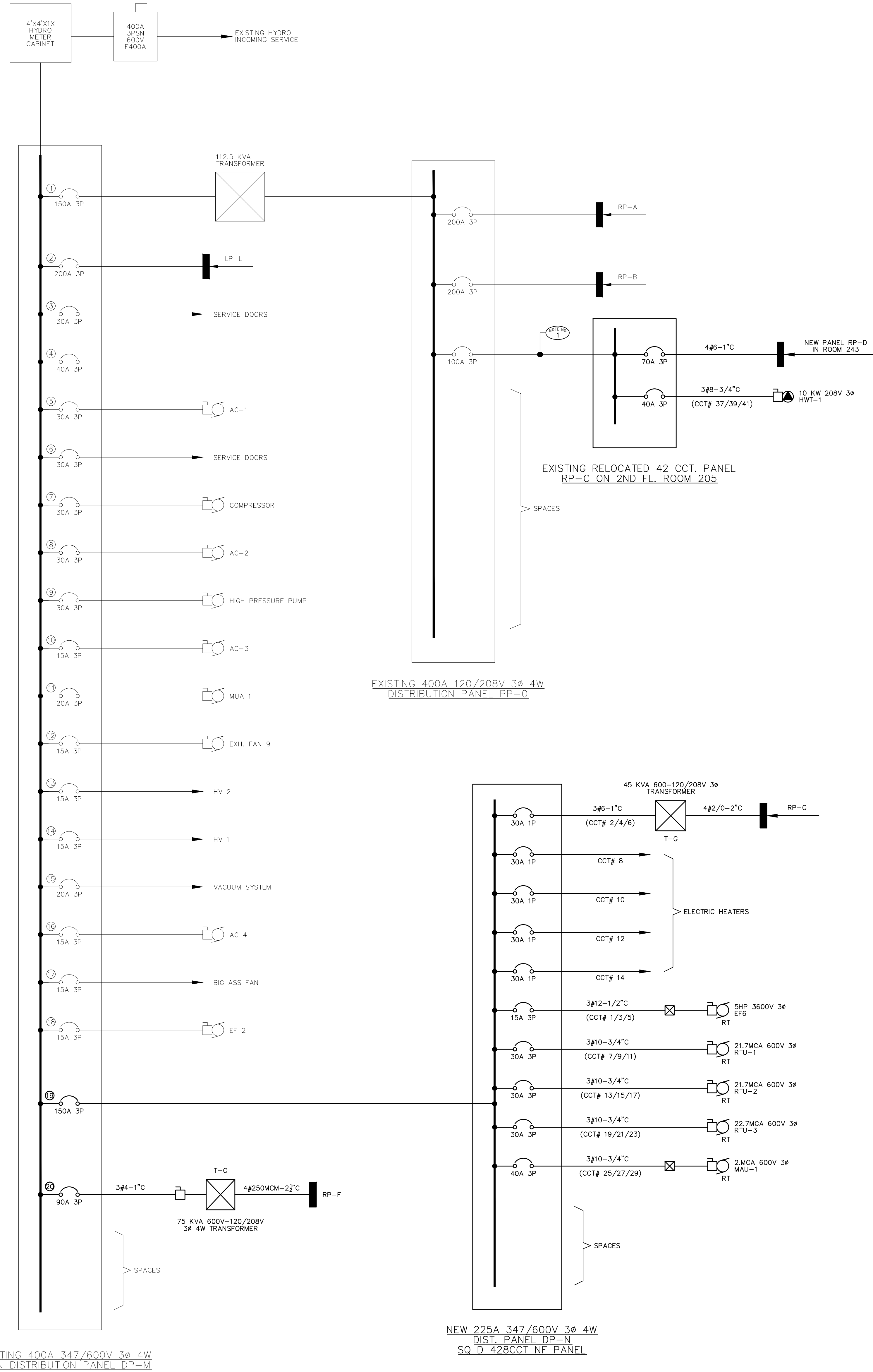
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**PROJECT:**  
**CLARINGTON TOYOTA**  
**BOWMANVILLE, ONTARIO**

**DRAWING TITLE:**  
**2ND FLOOR**  
**POWER & SYSTEMS PLAN**

**DRAWING No.:**  
**E-9**

**SCALE:** 1:100  
**FILE NAME:** 23217-ELEC  
**JOB No.:** 23217  
**PLOT DATE:** JANUARY 2025



EXISTING 400A 347/600V 3Ø 4W MAIN DISTRIBUTION PANEL DP-M

NEW 225A 347/600V 3Ø 4W DIST. PANEL DP-N SQ D 428CCT NF PANEL

**1 DISTRIBUTION DIAGRAM**

SCALE: N.T.S.

ZONE/CCT.#	DESCRIPTION	WIRING
Z-1	MAIN SPRINKLER FLOW	E-1
Z-2	SERVICE AREA	E-1
Z-3	1ST FLOOR SPRINKLER FLOW	E-1
Z-4	2ND FLOOR SPRINKLER FLOW	E-1
Z-5	SHOW ROOM AREA	E-1
Z-6	2ND FLOOR	E-1
Z-7	SOUTH STAIRWELL	E-1
Z-8	SPRINKLER SUPERVISORY	E-1
Z-9	DRIVE THRU AND DELIVERY AREA	E-1
Z-10	NEW STAIRWELL	E-1
Z-11	ELEVATOR SHAFT	E-1
Z-12	ELEVATOR M/C ROOM	E-1
Z-13	SPARE	
Z-14	SPARE	
Z-15	SPARE	
Z-16	SPARE	
SC-1	HORNS	E-1, RL
SC-2	HORNS	E-1, RL
SC-3	HORN/STROBE	E-1, RL
AC-1	SPARE	
AC-2	SPARE	
TRANSMISSION MODULE FOR SIGNAL TO FIRE DEPARTMENT		3/4" TO MAIN TELEPHONE TERMINAL

**NOTES:**  
 NOTE 1 FOR QUANTITY OF FIRE ALARM DEVICES, REFER TO FLOOR PLANS.  
 NOTE 2 CONTRACTOR TO PROVIDE NEW ZONE & SIGNAL MODULES IN EXISTING F/A PANEL IF REQUIRED.

**3 FIRE ALARM RISER DIAGRAM**

SCALE: N.T.S.

**NOTES:**  
 NOTE 1 EXTEND EXISTING CONDUIT/FEEDER TO NEW LOCATION OF EXISTING PANEL RP-C

PANEL DESIGNATION: 'RP-D' NEW EXISTING

VOLTAGE: 120/208V 347/600V 14, 3Ø 3Ø, 4W

TYPE: SQUARE 'D' NO SERIES MANS: 100A 225A

LOCATION: JANITOR CLOSET 243 MOUNTING: FLUSH SURFACE

LOAD DESCRIPTION	LOAD	BRK	CIRC	PHASE	CIRC	BRK	LOAD	LOAD DESCRIPTION	
RECEPT.	15A	1	A	2	15A			RECEPT.	
RECEPT.	15A	3	B	4	15A			RECEPT.	
RECEPT.	15A	5	C	6	15A			RECEPT.	
RECEPT. CONFERENCE RM	15A	7	A	8	15A			GFI RECEPT.	
RECEPT. CONFERENCE RM	15A	9	B	10	15A			GFI RECEPT.	
RECEPT. CONFERENCE RM	20A	11	C	12	15A			DOOR OPERATORS	
RECEPT. CONFERENCE RM	20A	13	A	14	20A			HAND DRYER	
RECEPT.	15A	15	B	16	20A			HAND DRYER	
RECEPT.	15A	17	C	18	15A			EF-1, 2, 3, 4	
RECEPT.	15A	19	A	20	15A			MOTORIZED DAMPER	
ELECTRICAL FAUCET AND TRAP SEAL PRIMER	15A	21	B	22	20A			ROOF RECEPTACLE	
ELECTRICAL FAUCET AND TRAP SEAL PRIMER	15A	23	C	24	15A			SPARE	
SPARE	15A	25	A	26				SPACE	
SPARE	15A	27	B	28				SPACE	
SPARE	15A	29	C	30				SPACE	
TOTAL CONNECTED LOAD									

PANEL DESIGNATION: 'RP-F' NEW EXISTING

VOLTAGE: 120/208V 347/600V 14, 3Ø 3Ø, 4W

TYPE: SQUARE 'D' NO SERIES MANS: 100A 400A

LOCATION: PART STORAGE E120 MOUNTING: FLUSH SURFACE

LOAD DESCRIPTION	LOAD	BRK	CIRC	PHASE	CIRC	BRK	LOAD	LOAD DESCRIPTION	
DOOR OPERATOR	15A	1	A	2	15A			FLOOR OUTLETS	
HAND DRYER	15A	3	B	4	15A			FLOOR OUTLETS	
RECEPT.	15A	5	C	6	15A			FLOOR OUTLETS	
RECEPT.	15A	7	A	8	15A			COLUMN RECEPT.	
RECEPT. (FRIDGE)	15A	9	B	10	15A			RECEPT. OFFICES 133 & 134	
COUNTER RECEPT.	20A	11	C	12	15A			SPARE	
SPARE	15A	13	A	14	15A			SPARE	
SPARE	15A	15	B	16	15A			SPARE	
SPARE	15A	17	C	18	15A			SPARE	
EV CHARGER	90A	19	A	20	15A			SPARE	
EV CHARGER (2#4+GND)	90A	21	B	22	15A			SPARE	
EV CHARGER	90A	23	C	24	15A			SPARE	
EV CHARGER (2#4+GND)	90A	25	A	26				SPACE	
SPACE	27	B	28					SPACE	
SPACE	29	C	30					SPACE	
SPACE	31	A	32					SPACE	
SPACE	33	B	34					SPACE	
SPACE	35	C	36					SPACE	
SPACE	37	A	38	100V				SPACE	
SPACE	39	B	40					SPACE	
SPACE	41	C	42	3Ø				SPACE	
TOTAL CONNECTED LOAD									

PANEL DESIGNATION: 'RP-G' NEW EXISTING

VOLTAGE: 120/208V 347/600V 14, 3Ø 3Ø, 4W

TYPE: SQUARE 'D' NO SERIES MANS: 100A 225A

LOCATION: DRIVE THRU/DELIVERY AREA MOUNTING: FLUSH SURFACE

LOAD DESCRIPTION	LOAD	BRK	CIRC	PHASE	CIRC	BRK	LOAD	LOAD DESCRIPTION	
RECEPT.	15A	1	A	2	60V			EV CHARGER	
UNIT HEATER 'UHI'	15A	3	B	4	60V			(2#E+GND)	
UNIT HEATER 'UHI'	15A	5	C	6	60V			EV CHARGER	
RECEPT.	15A	7	A	8	60V			(2#E+GND)	
RECEPT.	15A	9	B	10				SPACE	
FLOOR RECEPT.	15A	11	C	12				SPACE	
SPARE	15A	13	A	14				SPACE	
SPARE	15A	15	B	16				SPACE	
SPARE	15A	17	C	18				SPACE	
SPARE	15A	19	A	20				SPACE	
SPACE	21	B	22					SPACE	
SPACE	23	C	24					SPACE	
SPACE	25	A	26					SPACE	
SPACE	27	B	28					SPACE	
SPACE	29	C	30					SPACE	
TOTAL CONNECTED LOAD									

PANEL DESIGNATION: 'LP-L' NEW EXISTING

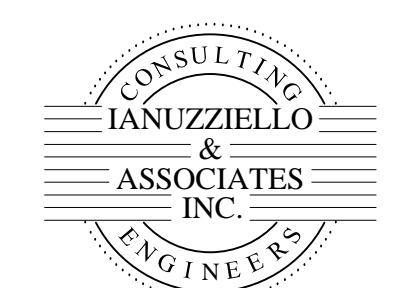
VOLTAGE: 120/208V 347/600V 14, 3Ø 3Ø, 4W

TYPE: SQD HCN 34742N MANS: 100A 225A

LOCATION: ELECT. RM MOUNTING: FLUSH SURFACE

LOAD DESCRIPTION	LOAD	BRK	CIRC	PHASE	CIRC	BRK	LOAD	LOAD DESCRIPTION	
SERVICE AREA LIGHTING	20A	1	A	2	20A			PYLON SIGN #2	
LTO-SERVICE SHOP (N/L)	20A	3	B	4	20A			LTO - GROUND FL & SHOWROOM NIGHT LITS	
LTO-SERVICE SHOP (N/L)	20A	5	C	6	20A			LTO - 2ND FL NIGHT LTO	
LTO-SERVICE SHOP (N/L)	20A	7	A	8	20A			LTO-NEW SHOWROOM AREA & OFFICES	
LTO PART STORAGE	20A	9	B	10	20A			LTO-SERVICE DRIVE THRU	
SPARE	20A	11	C	12	20A			LTO-SERVICE DRIVE THRU	
SPARE	20A	13	A	14	20A			LTO-EXISTING SHOWROOM AREA	
SPARE	20A	15	B	16	20A			LTO-EXISTING SHOWROOM AREA	
SPARE	20A	17	C	18	20A			PYLON #5	
SPARE	20A	19	A	20	20A			LTO-2ND FLOOR	
SPARE	20A	21	B	22	20A			LTO-2ND FLOOR	
FF HTR	20A	23	C	24	20A			LTO-2ND FLOOR	
FF HTR CORRIDOR 131	20A	25	A	26	20A			LTO-2ND FLOOR CORRIDOR	
FF HTR PART NIGHT DEL 121	20A	27	B	28	20A			SPARE	
BB HTR SHOWROOM	20A	29	C	30	20A			SPARE	
FF HTR MAIN VESTIBULE	20A	31	A	32	20A			BB HTR TECH W/R 220	
BB HTR SHOWROOM	20A	33	B	34	20A			EXIT LIGHT/EMERGENCY LITS	
UNIT HTR TOOL ROOM 126	20A	35	C	36	20A			U/S CANOPY LTO	
FF HTR	20A	37	A	38	20A			SPARE	
SPARE	20A	39	B	40	20A			SPARE	
SPARE	20A	41	C	42	20A			SPARE	
TOTAL CONNECTED LOAD									

**DISCLAIMER:**  
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 The contractor is to verify and accept responsibility for all dimensions and conditions on site and must notify IANUZZIELLO & ASSOCIATES INC. of any variations from the drawings.



**IANUZZIELLO & ASSOCIATES INC.**  
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 E-mail: info@ianuzziello.com

DATE	REV.	DESCRIPTION	DRN. BY
2025-04-01	2	ISSUED FOR PRELIMINARY PRICING	LH.
2025-01-31	1	ISSUED FOR PERMIT	LH.

**REVISION RECORD**



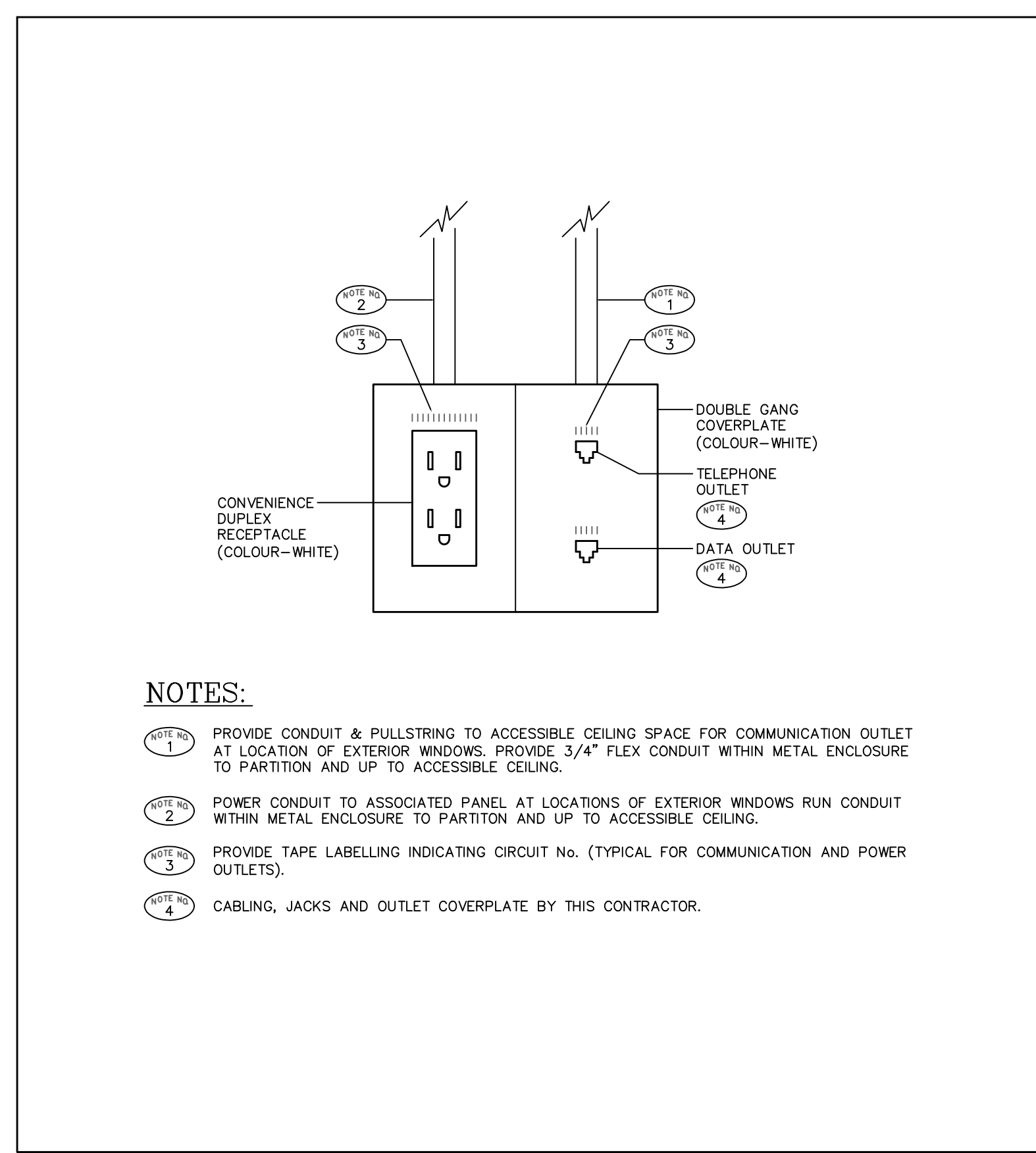
**RAI Architect Inc.**  
 92 Church St. South, Suite 104  
 Ajax, Ontario L1S 6B4  
 Tel: 905.283.0000  
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 www.raiarchitect.com

STAMP NORTH ARROW

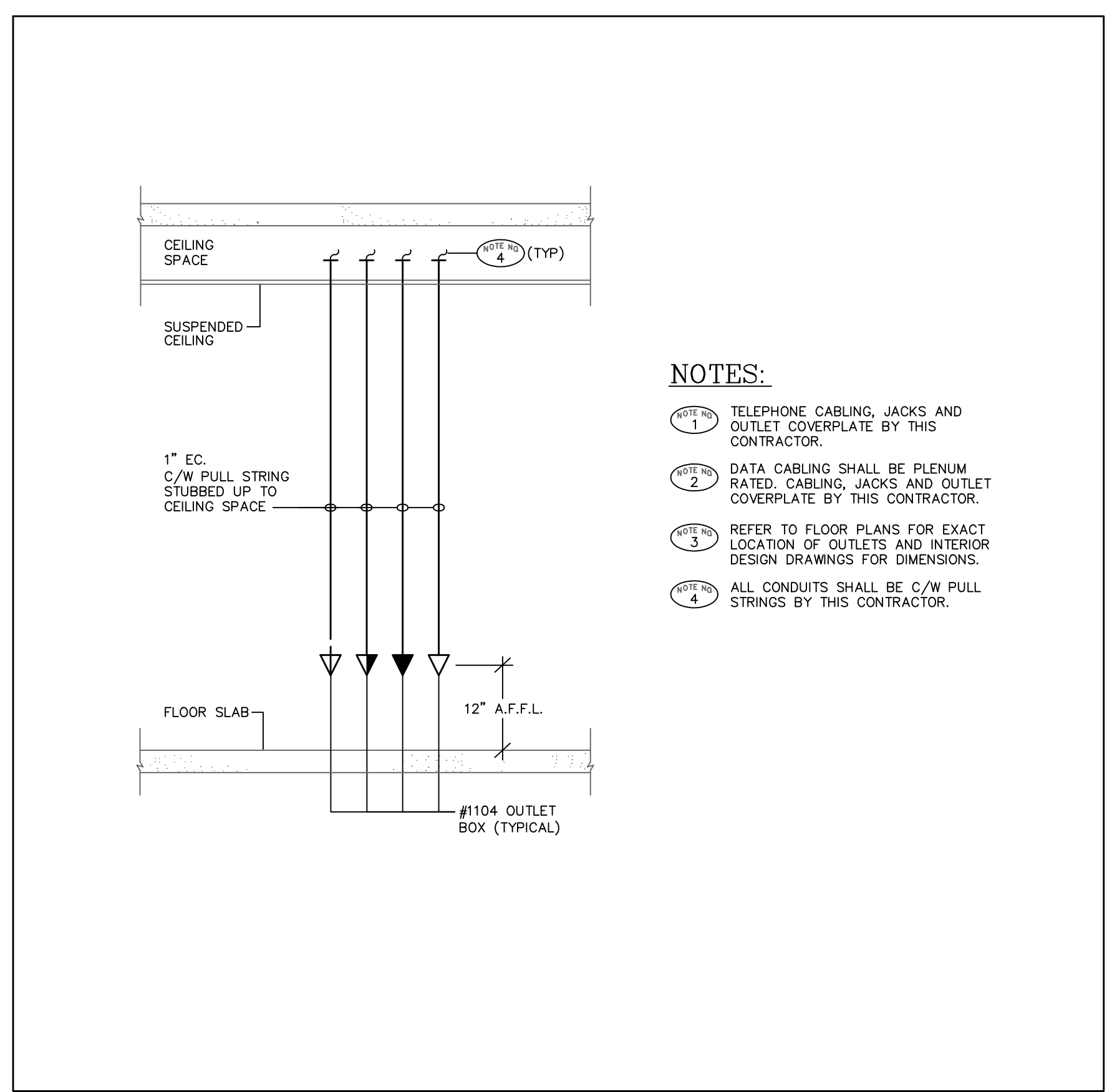
CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND BE RESPONSIBLE FOR SAME REPORTING ANY DISCREPANCIES BEFORE COMMENCING WORK. LATEST APPROVED DRAWING ONLY TO BE USED FOR CONSTRUCTION. PRINTS ARE NOT TO BE SCALED.

**CLARINGTON TOYOTA**  
 BOWMANVILLE, ONTARIO

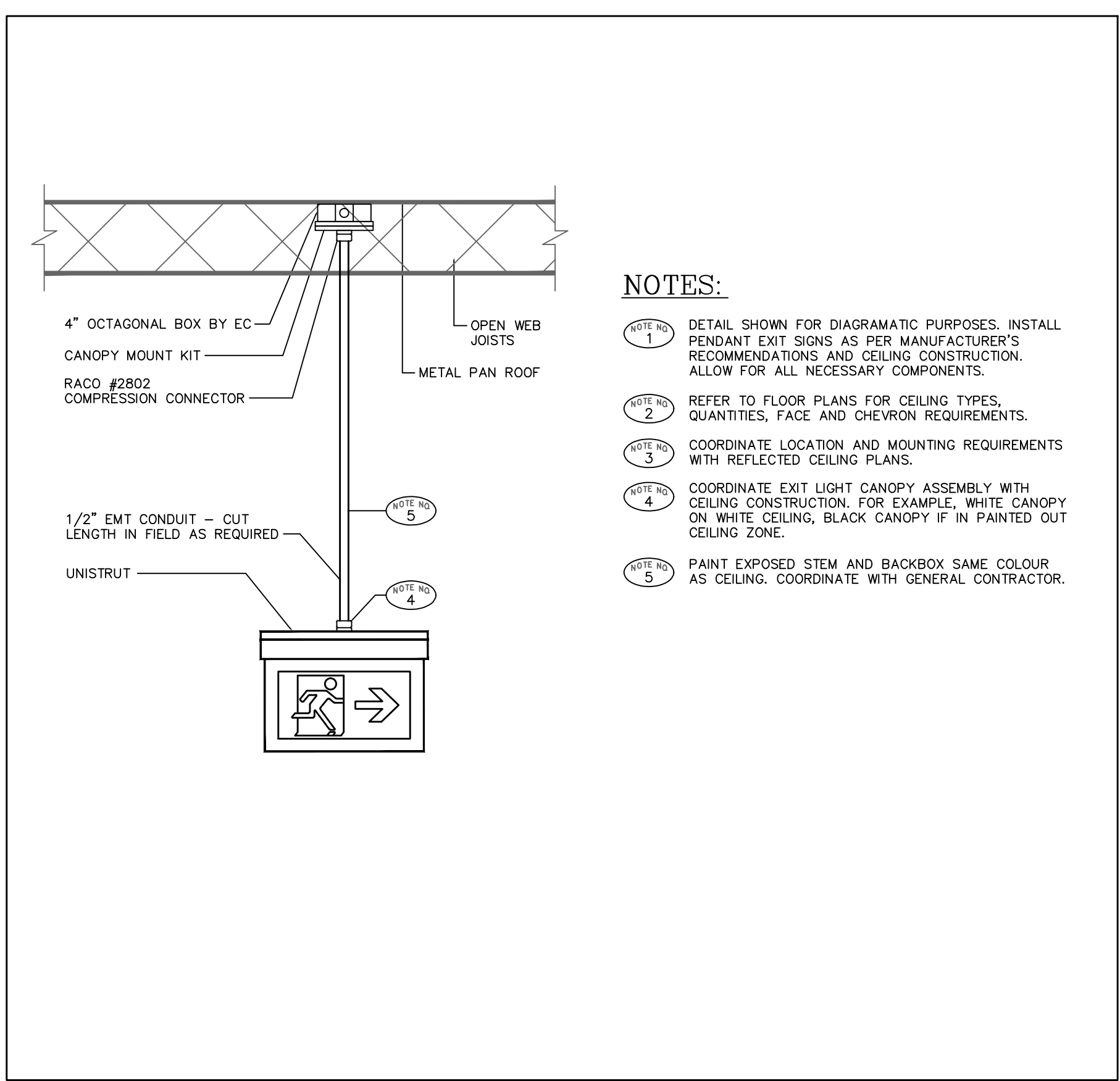
DRAWING TITLE	DRAWING No.
PANELBOARD SCHEDULE & POWER DISTRIBUTION	E-10
SCALE: NTS	JOB No. 23217
FILE NAME: 23217-ELEC	PLOT DATE: JANUARY 2025



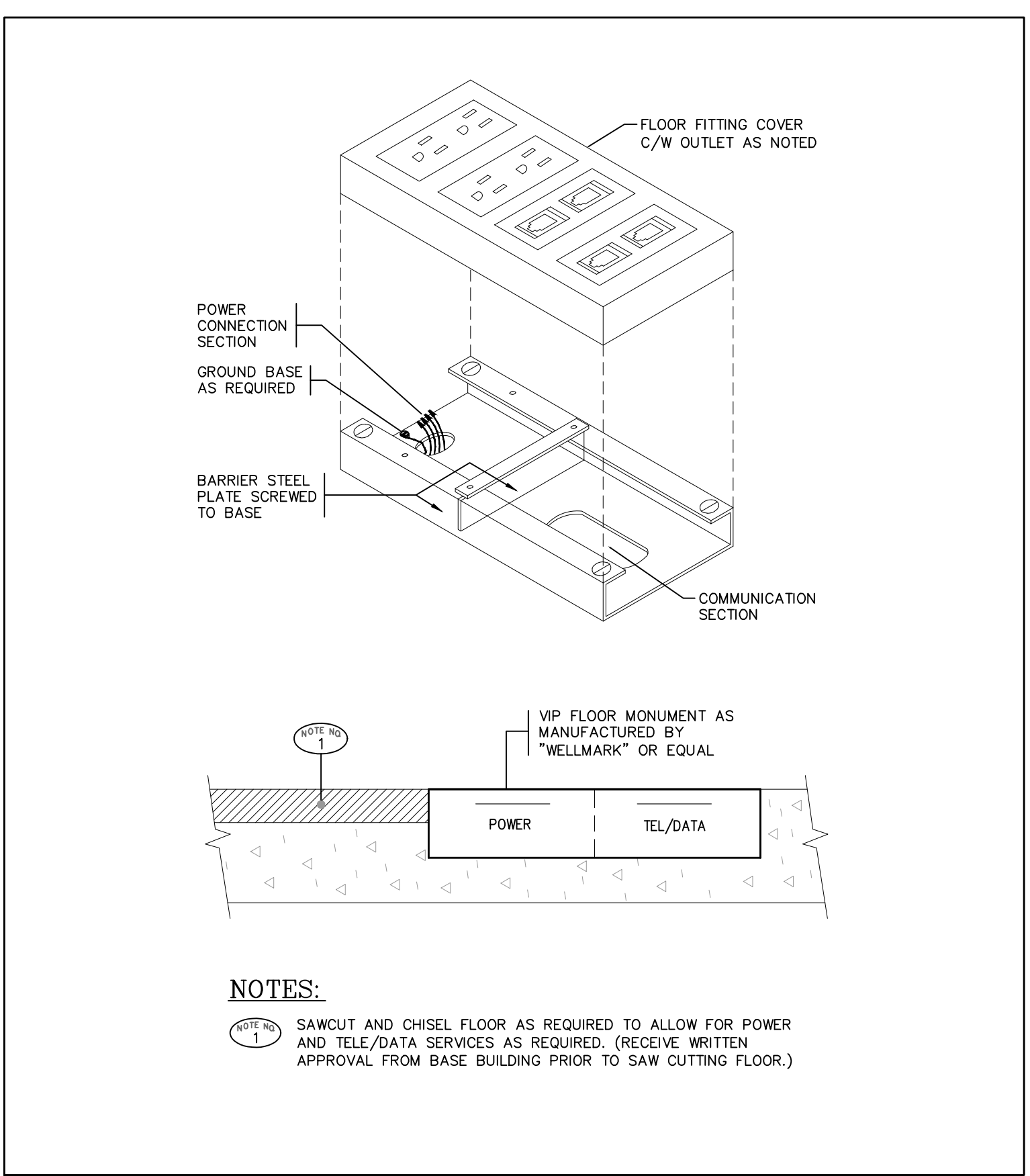
1 TYPICAL WALL MOUNTED OUTLET DETAIL  
SCALE: N.T.S.



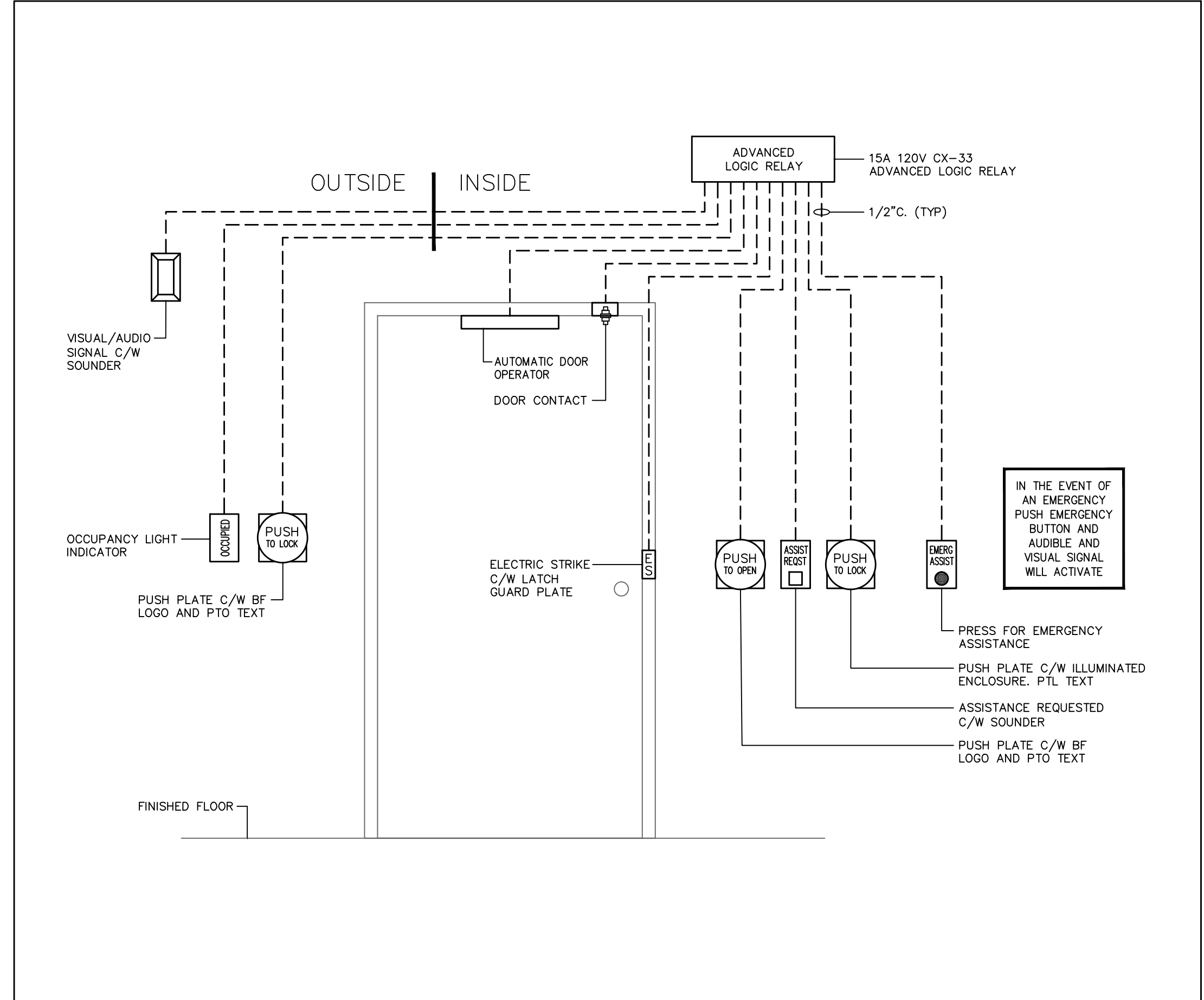
2 TYPICAL COMMUNICATION DIAGRAM DETAIL  
SCALE: N.T.S.



3 TYPICAL PENDANT MOUNTED EXIT SIGN DETAIL  
SCALE: N.T.S.



4 RECESSED FLUSH FLOOR MONUMENT FITTING DETAIL (FOR CONFERENCE ROOM)  
SCALE: N.T.S.



5 TYPICAL UNIVERSAL WASHROOM DETAIL  
SCALE: N.T.S.

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DATE	REV.	DESCRIPTION	DRN. BY
2025-04-01	2	ISSUED FOR PRELIMINARY PRICING	LH.
2025-01-31	1	ISSUED FOR PERMIT	LH.

REVISION RECORD

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CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND BE RESPONSIBLE FOR SAME. REPORTING ANY DISCREPANCIES BEFORE COMMENCING WORK.  
LATEST APPROVED DRAWING ONLY TO BE USED FOR CONSTRUCTION. PRINTS ARE NOT TO BE SCALED.

PROJECT:  
**CLARINGTON TOYOTA  
BOWMANVILLE, ONTARIO**

DRAWING TITLE:  
**DETAILS SHEET NO.1**

SCALE: AS NOTED	JOB No: 23217
FILE NAME: 23217-ELEC	PLOT DATE: JANUARY 2025