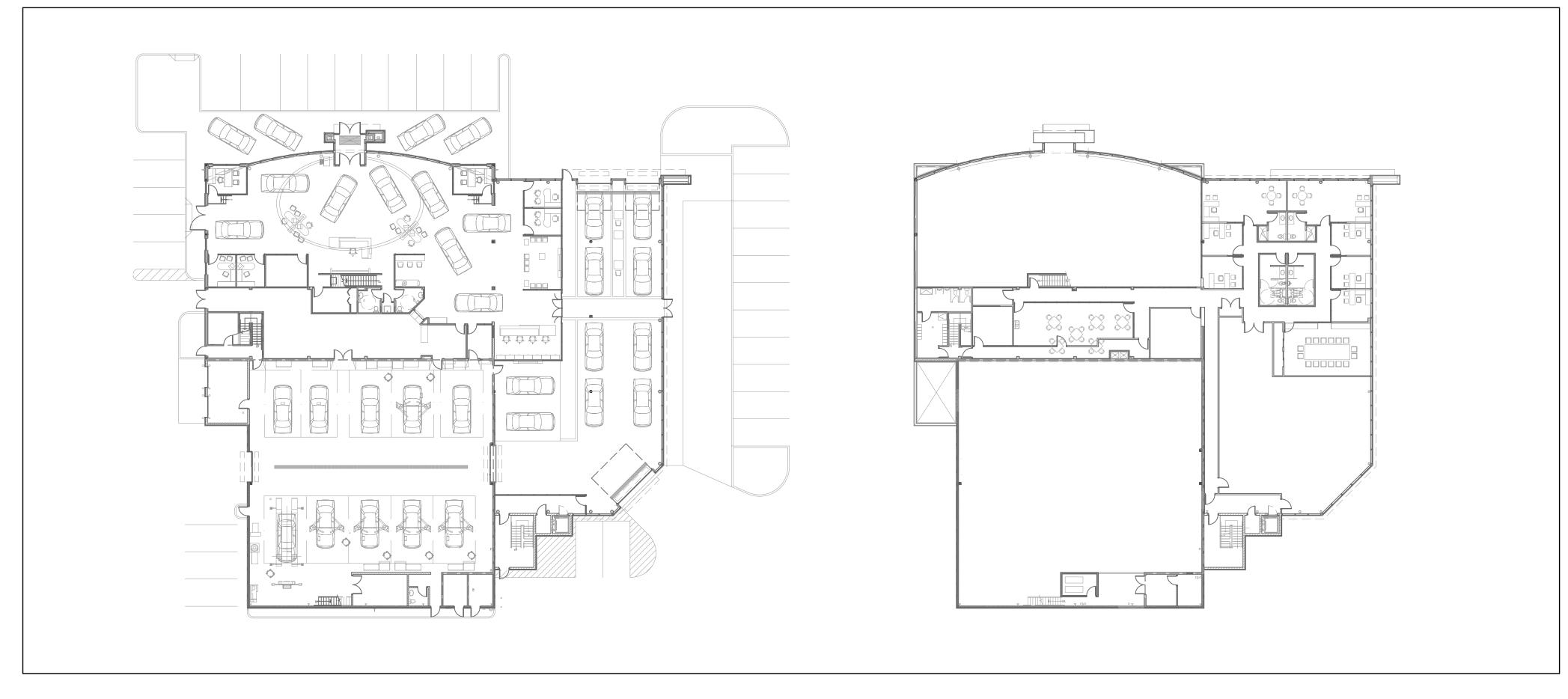
CLARINGTON TOYOTA

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 DISTRBUTION								
E-11	DETAIL SHEET NO.1								



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

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

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This drawing shall be read in conjunction with the architectural, structural, mechanical and all other consultant's drawings prior to proceeding with the work. Do not scale the drawings.

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.

CONSULTANT:

IANUZZIELLO & ASSOCIATES INC.

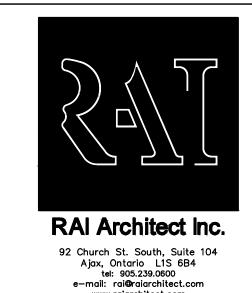
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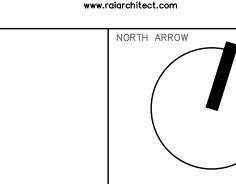
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REVISION RECORD

2025-04-01 2 ISSUED FOR PRELIMINARY PRICING

DATE REV. DESCRIPTION



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

COVER SHEET

E-

DRAWING No.

SCALE NTS JOB No. 23217

FILE NAME 23217-ELEC PLOT DATE JANUARY 2025

LU	TRON CONTROL SYSTEM DEVICE LEGEND
SYMBOL	DESCRIPTION
P\$	WALL MOUNTED LUTRON WIRELESS PICO LIGHT SWITCH. (VOLTAGE AS REQUIRED). 2 BUTTON RAISE/LOWER PICO DIMMEF MODEL# PJ2-2BRL-GWH-L01 (C/W ADAPTER & SCREWLESS FACEPLATE
ф	WALL MOUNTED LUTRON MAESTRO OCCUPANCY SENSOR SWITCH 5A OCCUPANCY 5A OCCUPANCY SENSOR SENSOR SWITCH MODEL# MS-OPS5M-WH
ф	WALL MOUNTED LUTRON MAESTRO OCCUPANCY SENSOR 0-10V DIMMER WITH 5A OCCUPANCY SENSOR SWITCH. STANDALONE MODEL# MS-Z101-WH (C/W SCREWLESS FACEPLATE)
S	WALL MOUNTED LUTRON WIRED SEE TOUCH — WIRED 5 BUTTON SEE TOUCH SWITCH MODEL# QSWS2-5BRLIO-WH
0	LUTRON WIRELESS DAYLIGHT SENSOR MODEL #LRF2-DCRB
↔	LUTRON WIRELESS CEILING OCC SENSOR MODEL# LRF2-OCR2B-P
4 T)	THE ENERGI SAVR NODE (ESN) 0-10V DIMMING / SWITCHING PANEL MODEL# QSN2-4T20-S
BT]	LUTRION WIRELESS POWPAK 0-10V DIM (120/277) - 8AMP. MODEL# RMJS-8T DV-B
QSM	LUTRON QS SENSOR MODULE CEILING MOUNTED DEVICE THAT INTEGRATES LUTRON WIRELESS AND WIRED SENSORS AND CONTROLS THROUGH THE QS COMMUNICATION LINK TO ENERGI SAVR NODE (ESN) UNITS. MODEL# QSM-4W-C
<u>QP5</u>]	THE ATHENA LIGHT MANAGEMENT HUB (QP5) SYSTEM PROCESSOR/MAIN BRAIN OF LIGHTING SYSTEM. EQUIPPED WITH 8 PORT POE SWITCH MODEL# QP5-2L-POE
PP	PP AND UPP 1 SERIES POWER PACKS PROVIDE BOTH THE 24V-POWER SUPPLY TO OPERATE LUTRON WIRED OCCUPANCY SENSORS, AS WELL AS THE 16 A LINE-VOLTAGE RELAY TO CONTROL THE LOAD, IN ONE COMPACT HOUSING. MODEL# PP-DV

NOTES:

(NOTE NO.) PROVIDE LUTRON ATHENA LIGHTING CONTROL SYSTEM. NOTE NO. ELECTRICAL CONTRACTOR TO CONFIRM WITH LUTRON FOR LOCATION 2 OF NEW 0-10V NODES. ALLOW 2 SPARE NODES PER FLOOR

INCLUDING WIRING TO LOAD.

INCLUDE FOR LUTRON TO COMMISSION NEW DEVICES (PICO/OCCUPANCY SENSORS/DAYLIGHT SENSOR ETC.) PER FLOOR INCLUDE FOR 120V POWER TO LUTRON DEVICES/BOXES AS REQUIRED.

	LUMINAIRE SCHEDULE
SYMBOL ———	DESCRIPTION
	EXISTING 2x2 LED LIGHT TROFFER TO BE REMOVED.
c=3	EXISTING 4' FLUORESCENT FIXTURE TO BE REMOVED.
	EXISTING 2x2 LED LIGHT TROFFER TO REMAIN.
	EXISTING 4' INDUSTRIAL FLUORESCENT FIXTURE TO REMAIN.
TYPE 'C'	6" SQUARE RECESS LED DOWNLIGHT LUMINAIRE WITH CLEAR REFLECTOR SOFT SATIN GLOW FINISH, SELF FLANGED, 0-10V INTEGRAL DIMMING LED DRIVER. CREE LIGHTING TYPE 'C' MODEL No. KR6S-40L-940-34-10V/KR6TS-SSGC-FF/RBH30 (44W)
TYPE 'D' SERIES	4" SQUARE RECESS LED DOWNLIGHT LUMINAIRE WITH CLEAR REFLECTOR SOFT SATIN GLOW FINISH, SELF FLANGED, 0-100V INTEGRAL DIMMING LED DRIVER. CREE LIGHTING TYPE 'D2' MODEL No. KR4S-13L-940-34-10V/KR4T-SSGC-FF/RBH30 (16W) TYPE 'D3' MODEL No. KR4S-20L-940-34-10V/KR4T-SSGC-FF/RBH30 (24W) TYPE 'D4' MODEL No. KR4S-30L-940-34-10V/KR4T-SSGC-FF/RBH30 (35W) TYPE 'D5' MODEL No. KR4S-40L-940-10V/KR4T-SSGC-FF/RBH-30 (_W)
	SUSPENDED LINEAR LED LUMINAIRE, 3" WIDTH, 6063 MARINE GRADE EXTRUDED ALUMINUM HOUSING, DEIRECT DISTRIBUTION OPTIC, MATTE ACRYLIC LENS, AIRCRAFT CABLE SUSPENSION AND POWER CORD LENGTH TO SUIT MOUNTING HEIGHT, 1–10V INTEGRAL DIMMING LED DRIVER, HARD CEILING MOUNT, GRAPHITE COLOR FINISH. CREE LIGHTING TYPE 'FD10-M' MODEL No. ST3-SD-10-M-40K-34-L-10V-D-GR (44W) TYPE 'FD14-M MODEL No. ST3-SD-14-M-40K-L-10V-D-GR (62W) TYPE 'FD20-M' MODEL No. STD-SD20-M-40K-L-10V-D-GR (88W)
TYPE FA' & 'FD' SERIES	TYPE 'FD16-L' MODEL No. ST3-SD-16-L-40K-34-L-10V-D-GR (70W) TYPE 'FD34' MODEL No. ST3-SD-34-H-40K-34-L-10V-D-GR (150W) TYPE 'FA36' MODEL No. ST3-SD-36-H-40K-34-L-10V-A-GR (158W) TYPE 'FA32-L' MODEL No. ST3-SD-32-L-40K-34-L-10V-A-GR (140W) TYPE 'FA40-L' MODEL No. ST3-SD-40-L-40K-34-L-10V-A-GF (175W) TYPE 'FA14-L-UD' MODEL No. ST3-SL-14-L-L-40K-A-GR
BG7ZL	RECESSED LINEAR LED LUMINIARE IN BULKHEAD TYPE BG72L MODEL No. ST3-RC-72-L38X34-L-40K-L-10V-G-WH
G	SUSPENDED LINEAR LED LUMINIARE, 10FTx20FT CONFIGURATION WITH 90" CORNERS, 6063 MARINE GRADE EXTRUDED ALUMINUM HOUSING, DIRECT DISTRIBUTION OPTIC, MATTE ACRYLIC LENS, AIRCRAFT CABLE SUSPENSION AND POWER CORD LENGTH TO SUIT MOUNTING HEIGHT, 0-10V INTEGRAL DIMMING LED DRIVER, 9/16" T-BAR MOUNT, GRAPHITE COLOR FINISH. CREE LIGHTING TYPE 'G' MODEL No. ST3-SD-60-R10X20-L-40K-34-L-10V-12-B-C (364W)
TYPE 'J' SERIES	PENDANT MOUNT 6' SQUARE CYLINDER LED LUMINAIRE, NARROW FLOOD OPTIC, 0-10V INTEGRAL DIMMING LED DRIVER, SILVER COLOR FINISH, CORD CABLE MOUNT. CREE LIGHTING TYPE 'J2' MODEL No. C0611SQXT-30L-40K-XW-D0103V-TCY-GL-CW/MW/CANOPY-CD4X72-PT (33W) CREE LIGHTING TYPE 'J3' MODEL No. C0611SQXT-20L-40K-XW-D0103V-TCY-GL-CW/MW/CANOPY-CD4X72-PT (22W)
TYPE 'K' SERIES	2"x2" LED LUMINAIRE, RECESSED IN T-BAR CEILING, WHITE COLOR FINISH, FIELD SELECTABLE LUMENS AND CCT, SETTINGS TO BE CONFIRMED BY LIGHTING LAYOUT, 0-10V INTEGRAL DIMMING DRIVER, OPAQUE WHITE ARCYLIC LENS. CREE LIGHTING TYPE 'K1' MODEL No. C-TR-B-BT22-S50L-SCCT-UC-WH (40W/5244Ir) TYPE 'K2' MODEL No. C-TR-B-BT22-S50L-SCCT-Ux-WH (35W) TYPE 'K3' MODEL No. C-TR-B-BT22-S50L-SCCT-UC-WH (30W/3750Ir)
МА	4' LINEAR STRIP LED LUMINAIRE, DIFFUSE ACRYLIC LENS, INTEGRAL DIMMING, CONTINUOUS THRU—WIRING AVAILABLE. CREE LIGHTING TYPE 'MA' MODEL No. LS4-40L-840-R-34-10 (31W)
Os	CEILING RECESSED LED DOWNLIGHT FOR WET LOCATION A LINE GENESIS 4 MODEL No. GENO4-1040-WWHSN3N (11W)
Юс	WALL SURFACE MOUNTED 2' LED FIXTURE FOR ELEVATOR PIT BEGHELLI No. BS100LED-2HT-ST40-120V (30W)
Юм	LED WALL MOUNTED LUMINAIRE CREE LIGHTING MODEL No. QSQW-C-GL-50K9-3M-34-WM-WH-P (40W)
E	EXISTING SITE LIGHTING STANDARD WITH SINGLE HEAD TO REMAIN.
F	EXISTING SITE LIGHTING STANDARD WITH DOUBLE HEAD TO

	LEGEND		LEGEND CON'T
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
,	WALL/CEILING MOUNTED PICTOGRAM EXIT LIGHT TYPE 'X' C/W FACES AND DIRECTIONAL ARROW. (BU1) DENOTES EXIT SIGN TO		WALL MOUNTED FORCE FLOW HEATER. SUPPLIED BY MECHANICAL DIVISION. INSTALLED AND WIRED BY ELECTRICAL DIVISION.
(BU1)	BE WIRED TO BATTERY UNIT No. BU1. BEGHELLI FM—RM SERIES. CONTRACTOR TO PROVIDE EDGELITE TYPE EXIT LIGHT (BEGHELLI TYPE GD—RM SERIES) FOR SHOWROOM & CUSTOMER LOUNGE		BASEBOARD HEATER SUPPLIED BY MECHANICAL DIVISION, INSTALLED & WIRED BY ELECTRICAL CONTRACTOR.
7/24	AREA. WALL AND/OR CEILING MOUNTED SINGLE/DOUBLE EMERGENCY REMOTE HEADS BEGHELLI BTMR SERIES WITH 5W 24V LED MR16.	0	20A WALL MOUNTED 20A, 208V, 10 TWISTLOCK RECEPTACLE. (L6-20R)
(BU4)	(BU4) DENOTES REMOTE HEADS TO BE WIRED TO BATT UNIT BU4. WALL MOUNTED EMERGENCY 24VDC BATTERY UNIT C/W LIGHTING	-	30A WALL MOUNTED 30A, 208V, 10 TWISTLOCK RECEPTACLE. (L6-30R)
BU1	HEADS AND RECEPTACLE. BEGHELLI NV24-180-2BTMR-5W-LED-AT.	©	PHOTOCELL.
	WALL MOUNTED LED EXIT/EMERGENCY LIGHTING UNIT.		
		V	WALL MOUNTED COMBINED TELEPHONE/DATA OUTLET.
\$	WALL MOUNTED LIGHT SWITCH. (VOLTAGE AS REQUIRED).	∇	WALL MOUNTED DATA OUTLET.
\$ ³	WALL MOUNTED 3-WAY SWITCH. (VOLTAGE AS REQUIRED).	∇_{C}	CEILING MOUNTED DATA OUTLET FOR WIFI ROUTER. CONTRACTOR TO CONFIRM EXACT LOCATION PRIOR INSTALLATION.
\$ ^F	WALL MOUNTED FAN SWITCH.	▼	WALL MOUNTED TELEPHONE OUTLET.
ф	WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY/VACANCY SENSOR DIMMER SWITCH.	4	WALL MOUNTED NETWORK OUTLET FOR T.V.
ф	WALL MOUNTED SENSOR SWITCH.	☑	MUSIC VOLUME CONTROL.
⊕/⊕	WALL MOUNTED THERMOSTAT AND/OR HUMIDISTAT/TRANSDUCER SUPPLIED & INSTALLED BY DIVISION 15, WIRED BY DIVISION 16 IF IT IS LINE VOLTAGE. COORDINATE WITH DIVISION 15.	ES	DOOR ELECTRIC STRIKE.
→ _M	WALL MOUNTED DUPLEX RECEPTACLE. FOR MICROWAVE.	CR	SECURITY CARD READER.
-	WALL MOUNTED 15A, 120V DUPLEX RECEPTACLE ON A SEPARATE CIRCUIT.		
	WALL MOUNTED CSA#15/20RA T-SLOT DUPLEX RECEPTACLE.		FIRE ALARM MANUAL PULL STATION.
⇒ _{GF}	GF DENOTES C/W GROUND FAULT INTERRUPTER.	•	CEILING MOUNTED SMOKE DETECTOR.
#	WALL MOUNTED 15A, 120V QUAD RECEPTACLE.	•	FIRE ALARM HEAT DETECTOR.
=	WALL MOUNTED 15A 120V DUPLEX RECEPTACLE C/W GROUND FAULT INTERRUPTER RECEPTACLE.		FIRE ALARM HORN.
⇒	WALL MOUNTED 15A 120V DUPLEX RECEPTACLE WITH 2 USB CHARGERS. HUBBELL USB 15X2W.	¥	FIRE ALARM HORN STROBE.
→ _{TL}	30A, 208V, 1ø, TWIST LOCK RECEPTACLE.	•	SPRINKLER FLOW SWITCH.
→ _{TL}	20A, 208V, 1ø, TWIST LOCK RECEPTACLE.	0	SPRINKLER SUPERVISORY SWITCH.
Ø ^C	CEILING MOUNTED 20A, 120V DUPLEX RECEPTACLE.		
*	DENOTES: OUTLET TO BE MOUNTED ABOVE COUNTER. REFER TO INTERIOR DESIGNER DRAWINGS FOR MOUNTING HEIGHT.	DB	DOOR BELL C/W SINGLE GANG BACKBOX.
P	ROUND RECESSED FLOOR MONUMENT C/W 15A, 120V, DUPLEX RECEPTACLE. HUBBELL # PFB1/S3925/S5016/PFBA1A/CR15WHI	DC	DOOR CHIME. COORDINATE BACKBOX SIZE WITH OWNER.
₩7	ROUND RECESSED FLOOR MONUMENT C/W TWO (2) DUPLEX RECEPTACLES CONSISTING OF ONE (1) REGULAR DUPLEX AND ONE (1) ISOLATED GROUND DUPLEX RECEPTACLE &	JB	JUNCTION BOX.
	COMMUNICATION OUTLETS.	0	WALL MOUNTED OCCUPANCY LIGHT INDICATOR.
Ø	MOTOR CONNECTION TO EQUIPMENT AS SHOWN.		WALL MOUNTED ASSISTANCE REQUESTED C/W SOUNDER
	UNFUSED DISCONNECT SWITCH.		WALL MOUNTED EMERGENCY ASSISTANCE BUTTON.
	DIRECT CONNECTION TO EQUIPMENT AS SHOWN.	•D	WALL MOUNTED DOOR OPENER PUSH BUTTON.
⊘ D	15A 120V POWER CONNECTION FOR DOOR OPERATOR.	<u>S</u>	MUSIC SPEAKER.
F	15A 120V POWER CONNECTION FOR ELECTRONIC FAUCET.		
● L	15A 120V POWER CONNECTION FOR ADVANCE LOGIC CONTROLLER.	С	DENOTES: EQUIPMENT TO BE MOUNTED IN THE CEILING.
⊘ s	15A 120V POWER CONNECTION FOR SIGNAGE.	NL	DENOTES: FIXTURE CONNECTED TO NIGHT LIGHTING CIRCUIT.
●HD	20A 120V POWER CONNECTION FOR HAND DRYER.	RT	DENOTES: RAIN TIGHT.
● TSP	15A 120V POWER CONNECTION FOR TRAP SEAL PRIMER.	WP	DENOTES: WATERPROOF.
● BP	15A 120V POWER CONNECTION FOR BYPASS BOX.	0/н	DENOTES: FOR OVERHEAD DOOR. DENOTES: EXISTING EQUIPMENT/DEVICE TO BE REMOVED AND
© _{EV}	POWER CONNECTION TO ELECTRIC VEHICLE CHARGING STATION.	ER	REPLACED WITH NEW.
	DISTRIBUTION PANEL OR SPLITTER.	RR WOTE NO	DENOTES: EXISTING EQUIPMENT TO BE REMOVED AND RELOCATED.
_	SURFACE MOUNTED ELECTRICAL PANEL.	NOTE NO.	DENOTES: REFER TO DRAWING NOTE No. 1. DENOTES: EQUIPMENT NO.20. SEE SCHEDULE ON DRAWING
_	RECESSED MOUNTED ELECTRICAL PANEL.	20	No. E-8 FOR ELECTRICAL REQUIREMENT.
	LIGHTING CONTACTOR.		
	MOTOR CONTROLLER SUPPLIED UNDER MECHANICAL DIVISION, INSTALLED AND WIRED BY ELECTRICAL DIVISION.		
ĪS	TIME SWITCH.		

ELECTRICAL SPECIFICATION

1: GENERAL REQUIREMENTS

- 1. CONTRACTOR SHALL EXAMINE THE SITE CONDITIONS OF THE PROPOSED WORK, TOGETHER WITH THE WORK OF ALL OTHER TRADES. AND INCLUDE IN THE TENDER PRICE ALL COST FOR WORK, SUCH AS CUTTING AND PATCHING. REROUTING AND REPOSITIONING OF ELECTRICAL EQUIPMENT AND WIRING, ETC., NECESSARY TO ACCOMMODATE OTHER TRADES. THERE WILL BE NO CONSIDERATION FOR EXTRAS FOR FAILURE TO COMPLY WITH THIS ITEM.
- PROVIDE ALL EQUIPMENT AND LABOUR REQUIRED TO COMPLETE THE WORK AS SHOWN ON THE DRAWINGS. CARRY OUT ALL WORK IN ACCORDANCE WITH THE LATEST APPLICABLE

BUILDING CODE AND CSA STANDARD C22-1 AS AMENDED

- PROVINCIALLY, AND LOCAL INSTPECTOR'S ADDITIONAL REQUIREMENTS AND INSTRUCTIONS. DO NOT REDUCE THE STANDARD SET BY THESE DRAWINGS BY APPLYING ANY CODES.
- 4. OBTAIN AND PAY FOR ALL PERMITS AND INSPECTIONS PRIOR TO COMMENCING THE WORK.
- 5. WORK SHALL BE IN ACCORDANCE WITH BASE BUILDING STANDARDS. 6. CO-ORDINATE ALL WORK WITH OTHER TRADES.
- 7. DAMAGE TO ANY SYSTEM OCCURRING DURING EXECUTION OF THE
- WORK SHALL BE REPAIRED AT NO COST TO OWNER. 8. DO NOTE SCALE ELECTRICAL DRAWINGS FOR MEASUREMENT. REFER TO SITE AND ARCHITECTURAL DRAWINGS.
- 9. BID PRICE SHALL INCLUDE FOR ALL MODIFICATIONS TO EXISTING BUILDING SYSTEMS AND ANY EXISTING EQUIPMENT AFFECTED BY THE NEW WORK. PROVIDE ALL REQUIRED NEW PRODUCTS TO MATCH EXISTING. MODIFICATIONS TO EXISTING BUILDING SYSTEM BY
- 10. INCLUDE IN THE BID PRICE FOR PREMIUM TIME REQUIRED ON WORK WHICH AFFECTS THE NORMAL OPERATION OF THE BUILDING.

LANDLORD'S APPROVED CONTRACTOR.

- 11. ALL FIRE ALARM WORK TO BE PERFORMED BY THE LANDLORD'S DESIGNATED FIRE ALARM CONTRACTOR. PRIOR TO BID SUBMISSION THE CONTRACTOR SHALL CONTACT THE THIRD PARTY AND CARRY HIS COSTS WITHIN THE TENDER (IF APPLICABLE).
- 12. UPON COMPLETION OF ALL FIRE ALARM WORK AND PRIOR TO OCCUPANCY, THE FIRE ALARM DEVICES SHALL BE VERIFIED BY LANDLORD'S THIRD PARTY CONTRACTOR (IF APPLICABLE).
- 13. ALL CUTTING AND PATCHING REQUIRED SHALL BE PROVIDED BY THIS CONTRACTOR. OBTAIN APPROVAL FROM THE BASE BUILDING OWNER'S REPRESENTATIVE.
- 14. INTERRUPTION OF EXISTING SERVICES SHALL OCCUR AT TIMES SUITABLE TO THE BUILDING OWNER.
- 15. INCLUDE FOR CONNECTIONS TO ALL OWNERS EQUIPMENT. COORDINATE PRIOR TO BID.
- 16. IDENTIFY ALL EQUIPMENT WITH LAMACOID PLATES, BLACK BACKGROUND WITH WHITE LETTERING. SUBMIT WORDING FOR LAMACOID PLATES TO THE CONSULTANT FOR REVIEW PRIOR.
- 17. SUBMIT FULLY ITEMIZED BREAKDOWN OF MATERIAL, EQUIPMENT AND LABOUR FOR CHANGES TO THE CONTRACT. CONTRACTOR SHALL USE DISCOUNTED TRADER PRICES AND NECA 1 LABOUR RATES FOR ALL
- 18. BECOME FULLY FAMILIAR WITH THE EXISTING BUILDING AND EQUIPMENT OPERATIONS. PROVIDE ALL REQUIRED PRODUCTS TO MAKE THE NEW WORK FULLY OPERATIONAL AND MEET THE DESIGN INTENT.
- 19. HAVE ALL FLOOR PENETRATIONS FOR POKE-THROUGH SERVICES APPROVED ON SITE BY THE ARCHITECT, BUILDING OWNER AND STRUCTURAL ENGINEER. INCLUDE THEIR COSTS IN THIS CONTRACT.
- 20. PROVIDE COPIES OF SHOP DRAWINGS FOR ALL MAJOR EQUIPMENT AND BY THE CONTRACTOR PRIOR TO SUBMISSION TO THE CONSULTANT.
- 21. CONTRACTOR TO REFER TO BASE BUILDING CONSTRUCTION MANUAL FOR AFTER HOURS WORK, WORK TO BE DONE BY BASE BUILDING
- CONTRACTORS, RULES AND REGULATIONS ETC. 22. REFER TO ARCHITECT DRAWINGS FOR SHOP DRAWING SUBMISSION REQUIREMENTS.
- 23. CONTRACTOR TO SCAN/XRAY FLOOR FOR EXISTING SERVICES PRIOR TO CUTTING OR TRENCHING THE FLOOR. ALL CUTTING AND TRENCHING SHALL BE COORDINATED AND APPROVED BY THE LANDLORD. ALL ASSOCIATED COSTS SHALL BE CARRIED IN THIS TENDER PRICE. CUTTING AND TRENCHING OF FLOOR SLAB OF ANY PART OF THE BUILDING STRUCTURE TO BE PERFORMED BY LANDLORD'S APPROVED CONTRACTOR.
- 24. CONTRACTOR TO REFER MEDALLION CORPORATION AND DEMOLITION WASTE MANAGEMENT GUIDELINE FOR ALL GARBAGE AND WASTE

2: <u>DEMOLITION</u>

- 1. DRAWING IS DIAGRAMMATIC, CONTRACTOR SHALL REVIEW DOCUMENTS OF ALL DISCIPLINES AND VISIT THE SITE TO ASCERTAIN COMPLETE
- EXTENT OF REMOVAL OF EXISTING EQUIPMENT AND WIRING. THIS CONTRACTOR IS RESPONSIBLE FOR REMOVING AND MAKING SAFE ALL CONDUIT. WIRING AND EQUIPMENT RENDERED REDUNDANT BY THIS RENOVATION.
- 3. ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE'S WITH THE
- PROJECT SCHEDULE AND PHASING. 4. TURN OVER TO THE LANDLORD ANY EQUIPMENT WHICH THEY WISH TO RETAIN. REMOVE FROM SITE ALL OTHER MATERIAL UNLESS OTHERWISE
- REMOVED AND STORED FOR RE-INSTALLATION. DISCONNECT AND REMOVE POWER WIRING TO EQUIPMENT OF OTHER DISCIPLINES WHERE SUCH EQUIPMENT IS BEING REMOVED. SEE

NOTED. ALL EQUIPMENT TO BE RE-USED SHALL BE CAREFULLY

MECHANICAL. ADVISE LANDLORD'S TELEPHONE CONTRACTOR OF ANY EXISTING TELEPHONE CABLING WHICH IS DISTURBED BY CONSTRUCTION OR MUST BE REMOVED OR RE-ROUTED. THIS CONTRACTOR SHALL INCLUDE FOR LANDLORD'S CONTRACTOR COSTS TO REMOVE OR

RELOCATE EXISTING CABLING AS DIRECTED BY LANDLORD.

- ADVISE LANDLORD'S COMMUNICATIONS CONTRACTOR OF ANY EXISTING DATA CABLING WHICH IS DISTURBED BY CONSTRUCTION OR MUST BE REMOVED OR RE-ROUTED. THIS CONTRACTOR SHALL INCLUDE FOR LANDLORD'S CONTRACTOR COSTS TO REMOVE OR RELOCATE EXISTING CABLING AS DIRECTED BY LANDLORD.
- 8. THIS CONTRACTOR SHALL DISCONNECT POWER TO MECHANICAL DIVISION EQUIPMENT BEING REMOVED (REFER TO MECHANICAL DRAWINGS FOR LOCATION). CUTBACK CONDUIT AND WIRING BACK TO SOURCE AND MAKE SAFE.
- 9. INFORMATION SHOWN ON DRAWINGS IS PROVIDED TO ASSIST THE CONTRACTOR WITH THE DEMOLITION SCOPE. DRAWINGS DO NOT NECESSARILY REFLECT AS BUILT CONDITION NOR EXACT QUANTITIES OF DEVICES.
- 10. CONTRACTOR SHALL REMOVE ALL ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE PRIOR TO NEW CONSTRUCTION.

- 2: <u>DEMOLITION CON'T</u> 10. ALL LUMINAIRES AND CEILING DEVICES TO BE REMOVED.
- 12. CONTRACTOR TO CONFIRM WITH LANDLORD PRIOR TO DISCONNECTING BREAKERS THAT LOADS FOR THIS RENOVATION DO NOT AFFECT OPERATION IN ANY WAY UNRENOVATED AREAS.
- 13. RELOCATE EXISTING CEILING JUNCTION BOXES TO SUIT NEW DRYWALL CEILING CONSTRUCTION. EXTEND AND/OR CUTBACK CONDUIT & WIRING
- AS REQUIRED. REFER TO ARCHITECTURAL DOCUMENTS. 14. CONTRACTOR SHALL CARRY IN HIS BID PROVISIONS FOR TEMPORARY POWER TO SUIT THE RELOCATION OF THE SUITE'S EQUIPMENT.
- COORDINATE THIS POWER WITH GENERAL CONTRACTOR AND LANDLORD. 15. LIFE SAFETY SYSTEM SHALL BE PROTECTED AND OPERATIONAL DURING DEMOLITION PPHASE UNTIL FINAL WORK CAN BE COMPLETED.
- COORDINATE PHASING WITH GENERAL CONTRACTOR. 16. CONTRACTOR SHALL ADHERE TO ALL LANDLORD BASE BUILDING
- DOCUMENTS REGARDING DEMOTION, REMOVAL OF EQUIPMENT ETC. 17. ALL EXISTING ELECTRICAL DEVICES INCLUDING LUMINAIRES TO BE
- DEMOLISHED AND RETURNED BACK TO LANDLORD. 3: <u>EQUIPMENT</u>
- . WHERE MANUFACTURER IS NOT SPECIFIED, PRODUCTS SHALL BE OF HIGHEST COMMERCIAL QUALITY. ALL PRODUCTS SHALL BE NEW CSA AND CONSULTANT APPROVED.
- 2. PROVIDE EMT CONDUIT WITH STEEL SET SCREW CONNECTORS AND COUPLINGS FOR ALL EXPOSED WIRING UNLESS OTHERWISE NOTED. RUN CONDUIT AND EXPOSED CABLE NEATLY, PARALLEL AND PERPENDICULAR TO EXISTING BUILDING SURFACES SO AS TO CREATE MINIMUM OBSTRUCTIONS.
- ARMOURED CABLE (BX) MAY BE USED FOR OUTLET DROPS IN PARTITION WALLS OR FOR FINAL CONNECTIONS TO LIGHT FIXTURES. MAXIMUM LENGTH OF BX CABLE IN THE CEILING SPACE IS 2m.
- 4. ALL WIRING AND EQUIPMENT SHALL BE COPPER, MINIMUM #12 AWG
- 5. WIRING DEVICES SHALL BE SPECIFICATION GRADE. 6. NEW TENANT PANEL DESIGNATION IS DIAGRAMMATIC TO ILLUSTRATE DESIGN INTENT. CONTRACTOR SHALL COORDINATE EXACT LABEL WITH LANDLORD AND PROVIDE A NEW LAMACOID NAMEPLATE c/w TYPED PANEL DIRECTORY.

4: <u>INSTALLATION</u>

- 1. PROVIDE COPPER GROUND WIRE IN ALL CONDUITS.
- 2. OBTAIN OWNERS LIST OF EQUIPMENT TO ENSURE RECEPTACLES ARE INSTALLED TO MATCH THE EQUIPMENT. MAKE CHANGES TO SUITE AT NO ADDITIONAL COST.
- 3. PROVIDE TYPE WRITTEN PANEL SCHEDULES REFLECTING ALL CHANGES MADE TO THE CIRCUITS BEFORE FINAL ACCEPTANCE OF
- 4. CIRCUIT NUMBERS INDICATED ARE DIAGRAMMATIC. BALANCE LOADS
- TO WITHIN 10% ACROSS PHASES.
- 5. PACK AND SEAL PENETRATIONS THROUGH FLOORS AND FIRE RATED WALLS WITH MATERIAL AND MAINTAIN EXISTING FIRE RATING.
- 6. MOUNTING HEIGHTS AND EXACT LOCATION OF ALL DEVICES ARE AS NOTED ON ARCHITECTS DRAWINGS.
- 7. CONFIRM EXACT LOCATION AND REQUIREMENTS WITH MECHANICAL PRIOR TO ROUGH-IN FOR ALL MECHANICAL EQUIPMENT.
- PROVIDE ALL POWER WIRING AND DISCONNECT SWITCHES REQUIRED. 9. VERIFY ALL ELECTRICAL EQUIPMENT SUPPLIED BY OTHER TRADES IS
- SUITABLE FOR THE VOLTAGE AVAILABLE PRIOR TO IT'S RELEASE. 10. PROVIDE ONE SIZE LARGER NEUTRAL CONDUCTOR FOR THREE OR
- FOUR WIRE BRANCH CIRCUITS FEEDING COMPUTERS AND ELECTRONIC BALLASTS.
- 11. CONDUIT AND ARMOURED CABLE SHALL NOT BE SUSPENDED FROM CEILING SUSPENSION SYSTEM. PROVIDE INDEPENDENT SUSPENSION FROM BUILDING STRUCTURE.
- 12. ALL OUTLETS MOUNTED ABOVE MILLWORK ARE TO BE INSTALLED HORIZONTALLY. CONTRACTOR TO COORDINATE LOCATION OF OUTLETS WITH MILLWORK DRAWING.
- 13. PROVIDE SUPPORT FOR ALL ELECTRICAL COMPONENTS TO MEET
- CURRENT SEISMIC RESTRAINT CODES WHERE APPLICABLE. 14. ALL FIRE ALARM WIRING, TESTING AND VERIFICATION SHALL BE
- INCLUDE AND CARRY IN HIS COST TO PROVIDE THE FIRE ALARM 15. PROVIDE INDEPENDENT SUPPORT FOR ALL LUMINAIRES. CEILING

PROVIDED BY CONTRACTOR. THIS ELECTRICAL CONTRACTOR SHALL

- SUSPENSION AND CEILINGS ARE NOT TO BE USED FOR LUMINAIRE SUPPORT TO MEET SAFETY AUTHORITY CODE. PARASISMIC REPORT/CERTIFCATE MUST BE RECEIVED AT THE END OF THE PROJECT (WHERE APPLICABLE).
- 16. WHERE TENANT SPACE IS LOCATED ABOVE AN UNDERGROUND PARKING LOT THE CONTRACTOR SHALL REVIEW THE SITE PRIOR TO BID SUBMISSION AND REVIEW PARKING STRUCTURE DESIGN FOR ANY CORING LOCATIONS AND CARRY ASSOCIATED COSTS.

PROJECT COMPLETION

THE FOLLOWING:

- 1. UPON COMPLETION OF WORK, PROVIDE A WRITTEN ONE YEAR WARRANTY COVERING THE COMPLETE WORK. RECTIFY ANY DEFECTS ARISING DURING THIS PERIOD AT NO EXTRA COST TO THE OWNER. FOR THE ISSUANCE OF THE ELECTRICAL LETTER OF COMPLIANCE. ONE WEEK PRIOR TO OCCUPANCY, THE CONTRACTOR SHALL PROVIDE
 - FIRE ALARM VERIFICATION REPORT ELECTRICAL SAFETY INSPECTION REPORTS
 - BATTERY UNIT TEST REPORT EMERGENCY LIGHTING VERIFICATION REPORT MUSIC/SOUND EQUIPMENT INTERFACED WITH THE FIRE ALARM AND SHALL BE TESTED AND VERIFIED AS A

COMPLETE SYSTEM CONTRACTOR SHALL NOTIFY THE CONSULTANT THREE DAYS PRIOR TO CITY INSPECTOR VISIT.

SUBMIT A LEGIBLE SET OF AS-BUILT DRAWINGS ON WHITE PRINTS TO THE CONSULTANT FOR TRANSFER TO CADD FILES. INCLUDE FOR CONSULTANTS COST TO UPDATE DRAWINGS TO AS-BUILT & PLOT. CONTRACTOR TO CARRY \$1,000.00 FOR CONSULTANT COSTS. WHITE PRINTS SHALL INCORPORATE ALL CHANGES AND DEVIATIONS FROM THE ORIGINAL TENDER DRAWINGS, SHOW ALL MAIN AND BRANCH CONDUIT RUNS (COMPLETE WITH CONDUIT SIZE, WIRE SIZE, AND QUANTITY) AND JUNCTION BOX LOCATIONS AND SIZES.

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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.

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

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RAI Architect Inc. 92 Church St. South, Suite 104 Ajax, Ontario L1S 6B4 tel: 905.239.0600 e-mail: rai@raiarchitect.com www.raiarchitect.com

NORTH ARROW

ONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND BE

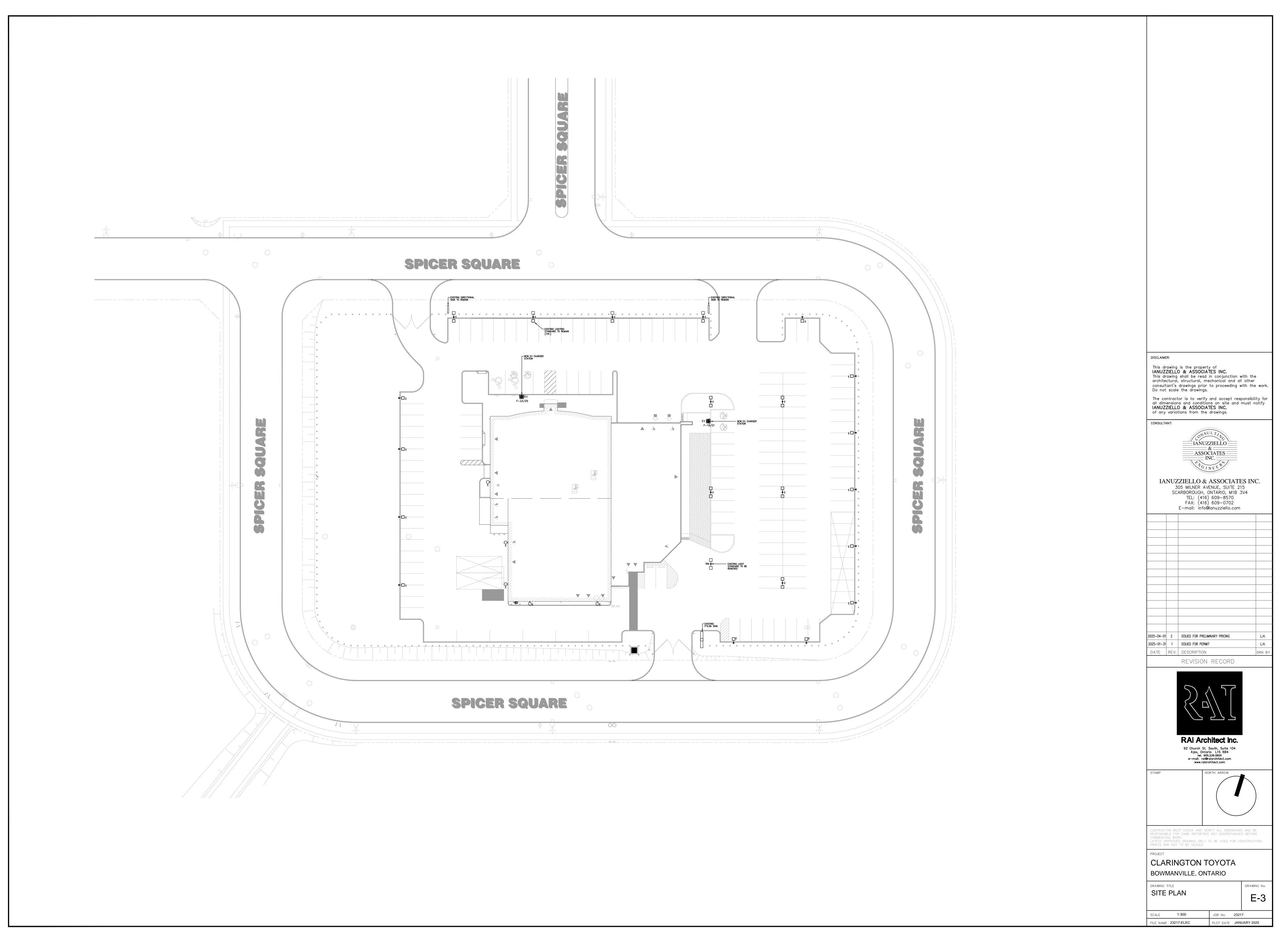
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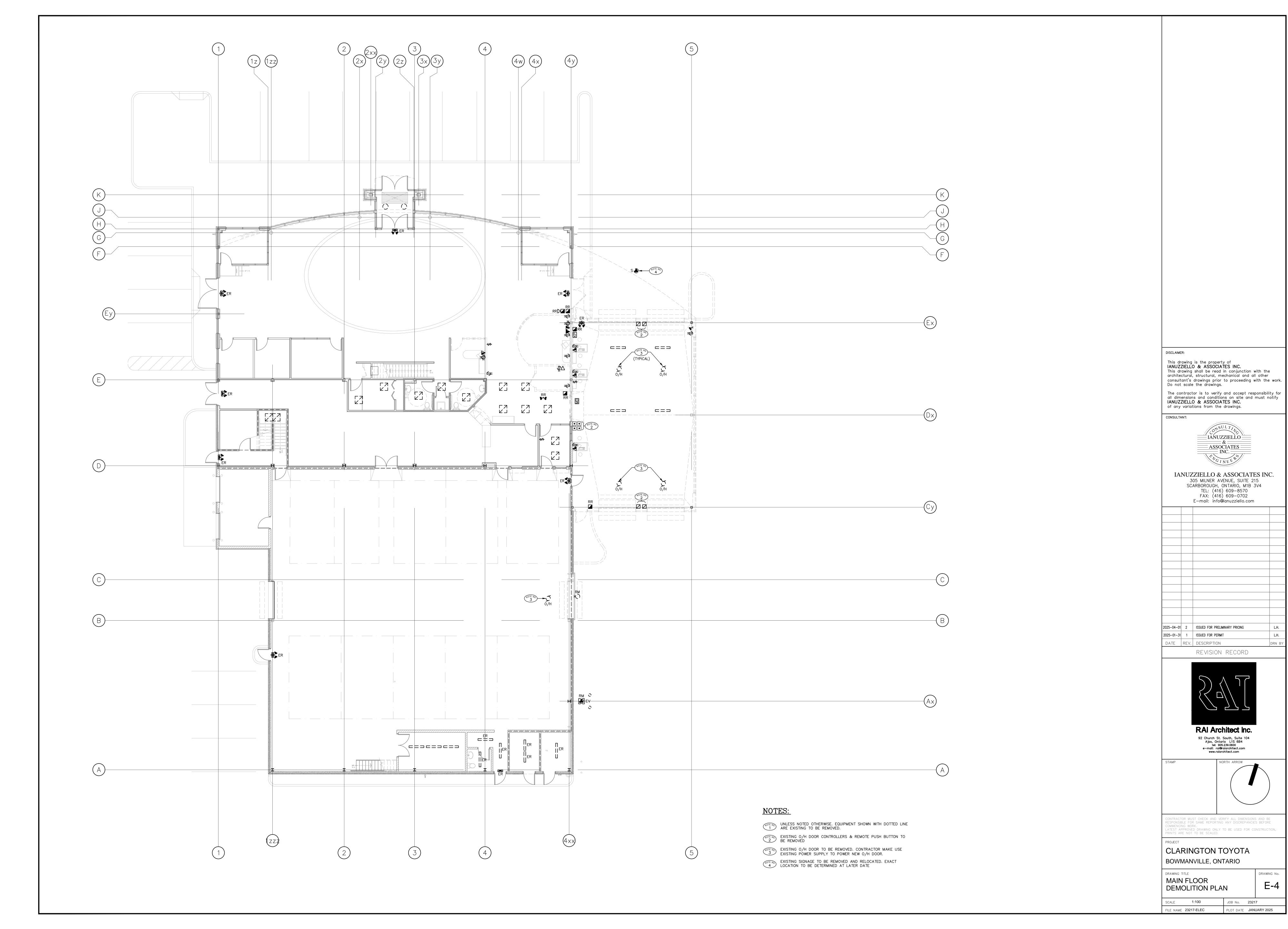
CLARINGTON TOYOTA BOWMANVILLE, ONTARIO

SPECIFICATION, LEGEND & LUMINIARE SCHEDULE

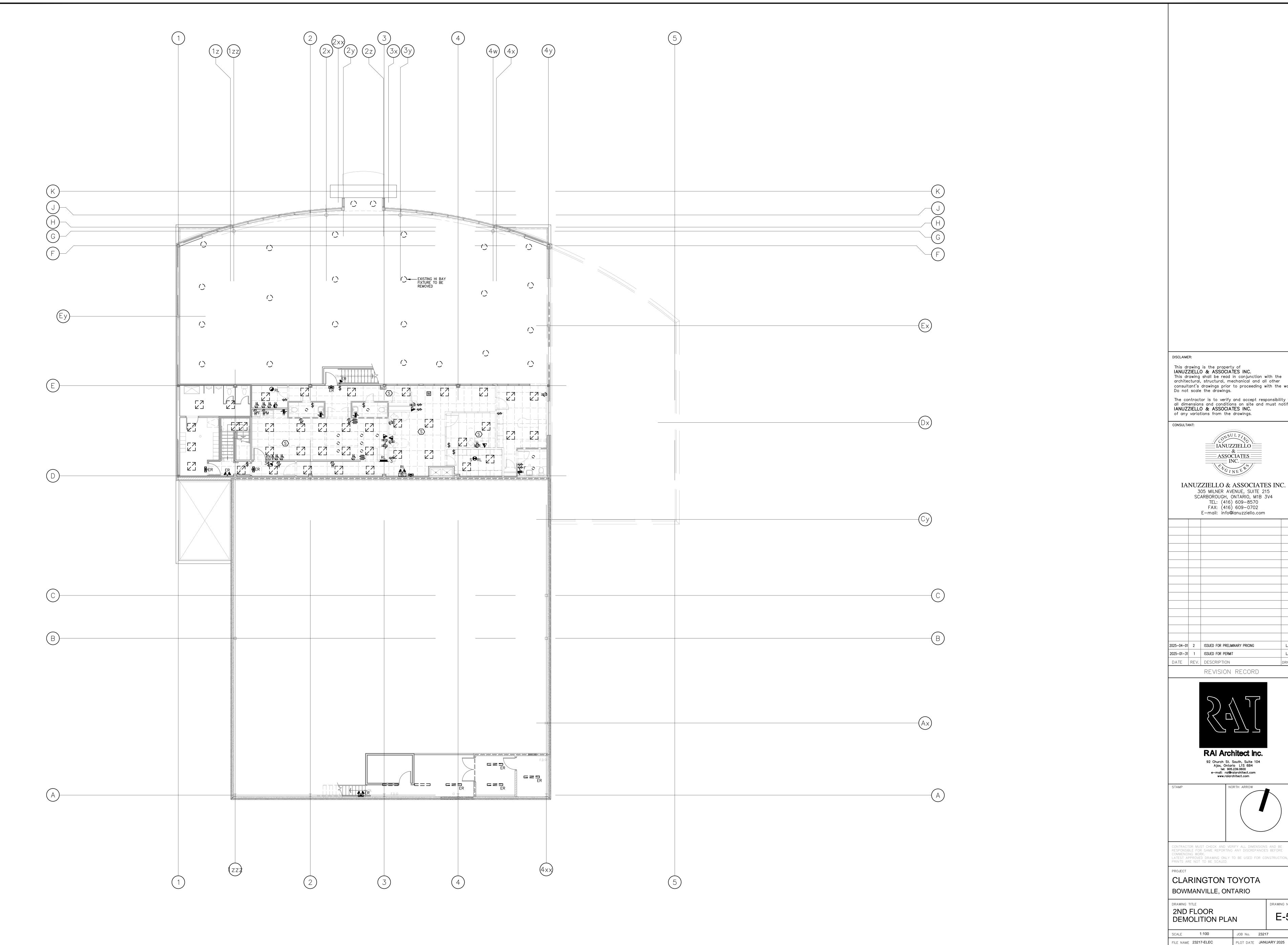
JOB No. 23217 PLOT DATE JANUARY 2025 TILE NAME 23217-ELEC

DRAWING No.





DRAWING No.

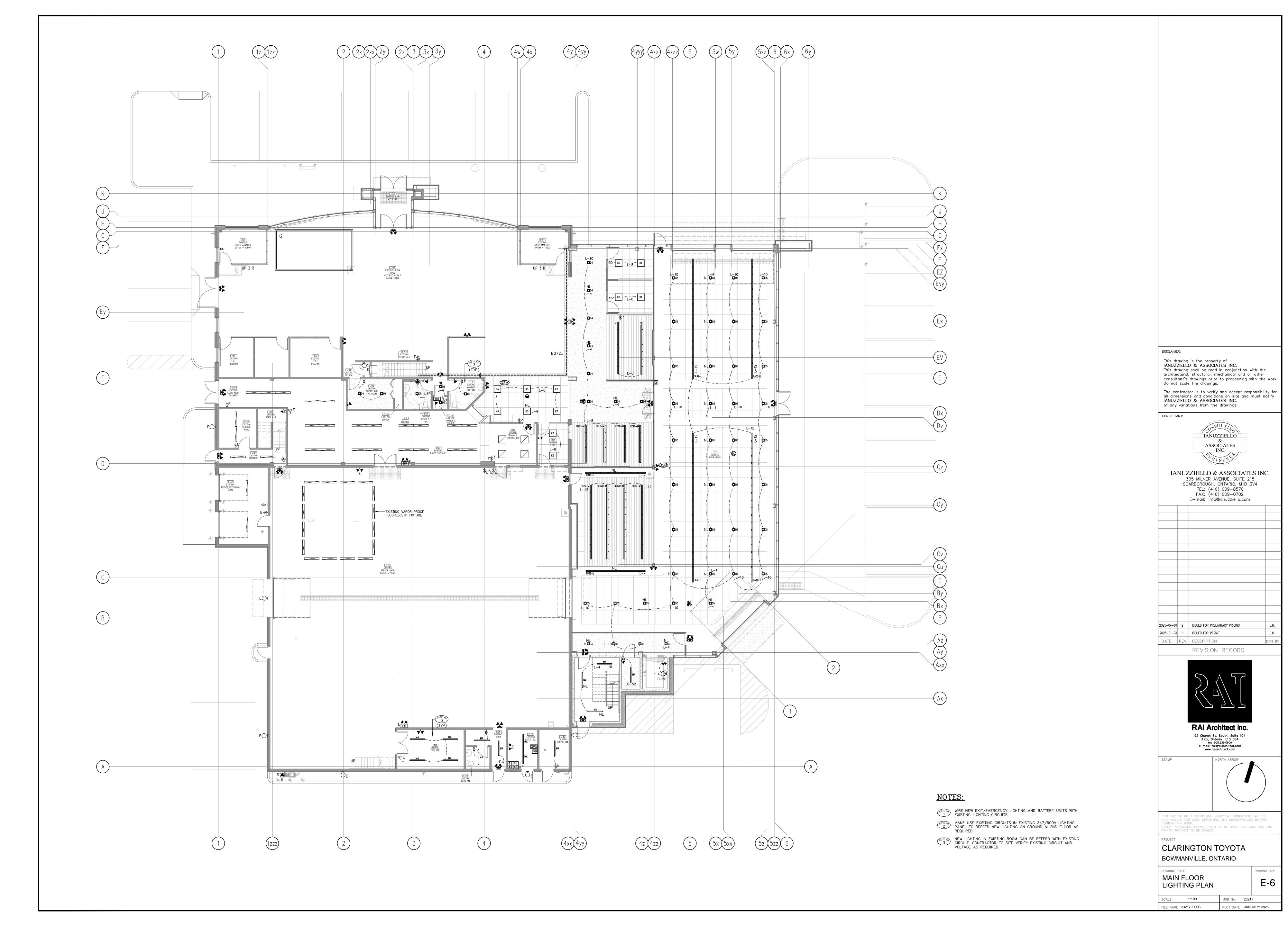


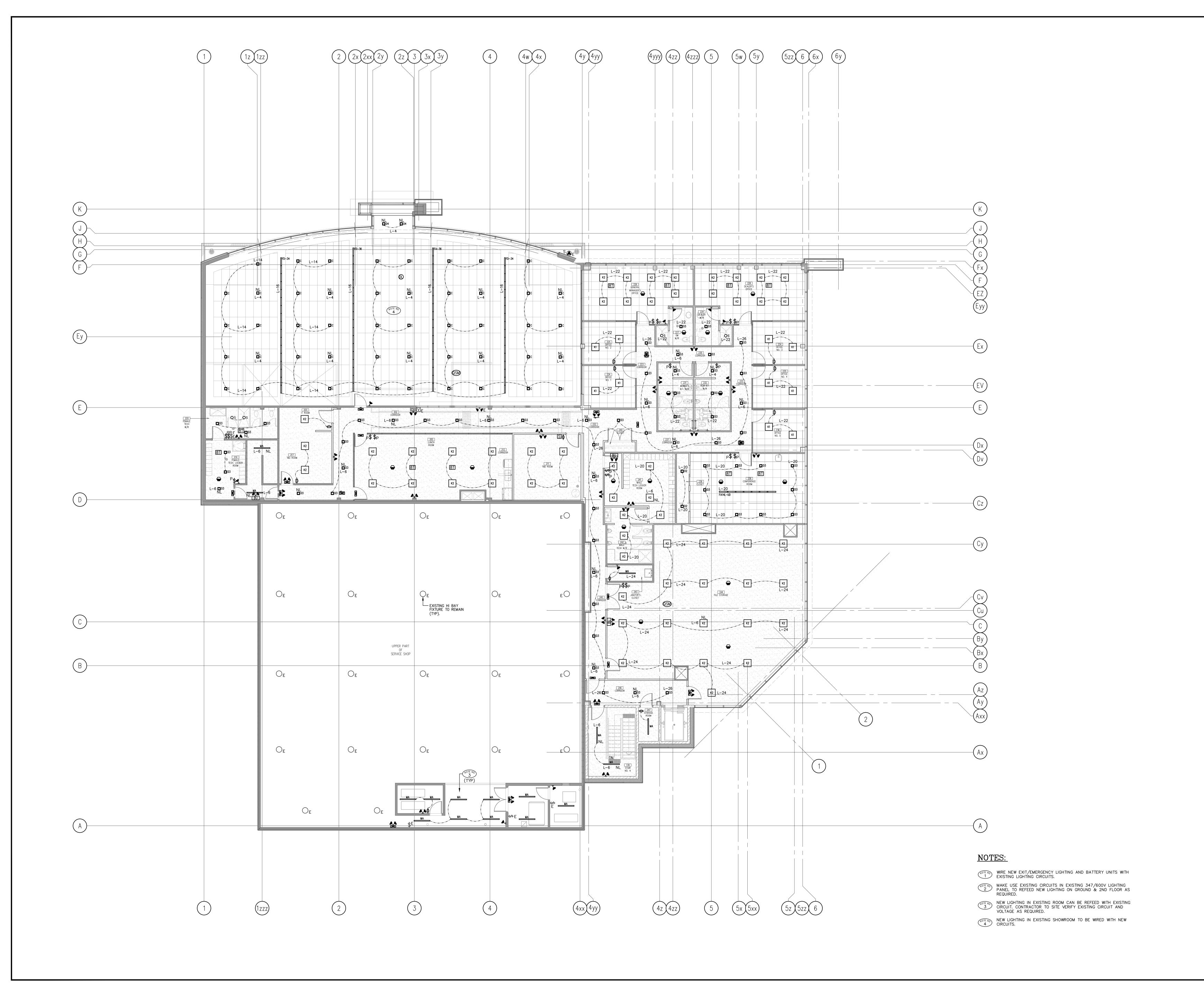
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CONSULTANT:

IANUZZIELLO

ASSOCIATES

INC.

IUZZIELLO & ASSOCIATES IN 305 MILNER AVENUE, SUITE 215

IANUZZIELLO & ASSOCIATES INC.

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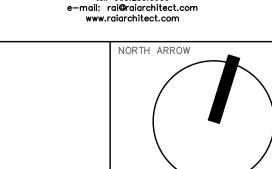
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tel: 905.239.0600
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www.raiarchitect.com





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CLARINGTON TOYOTA
BOWMANVILLE, ONTARIO

DRAWING TITLE

SECOND FLOOR

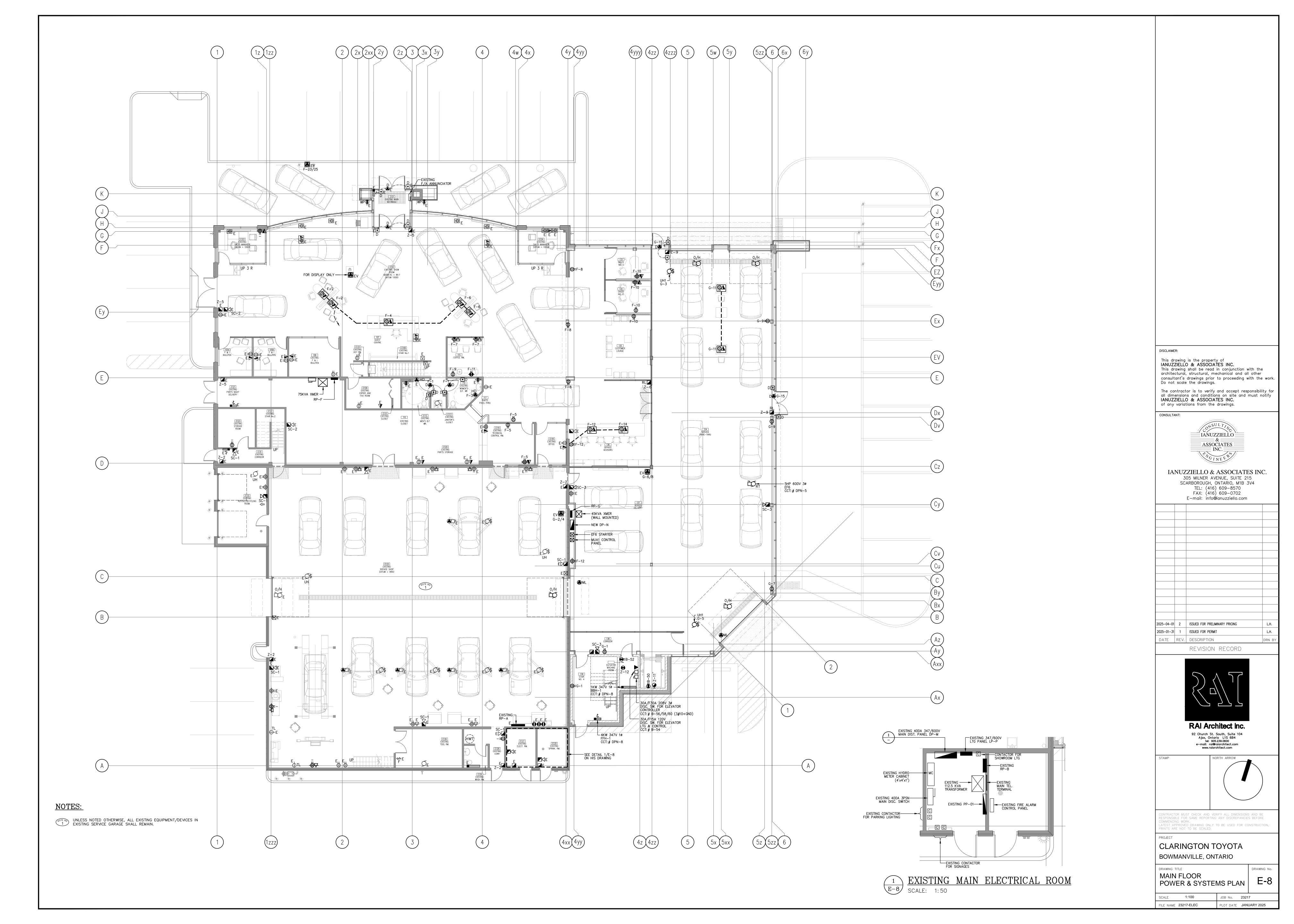
FILE NAME 23217-ELEC

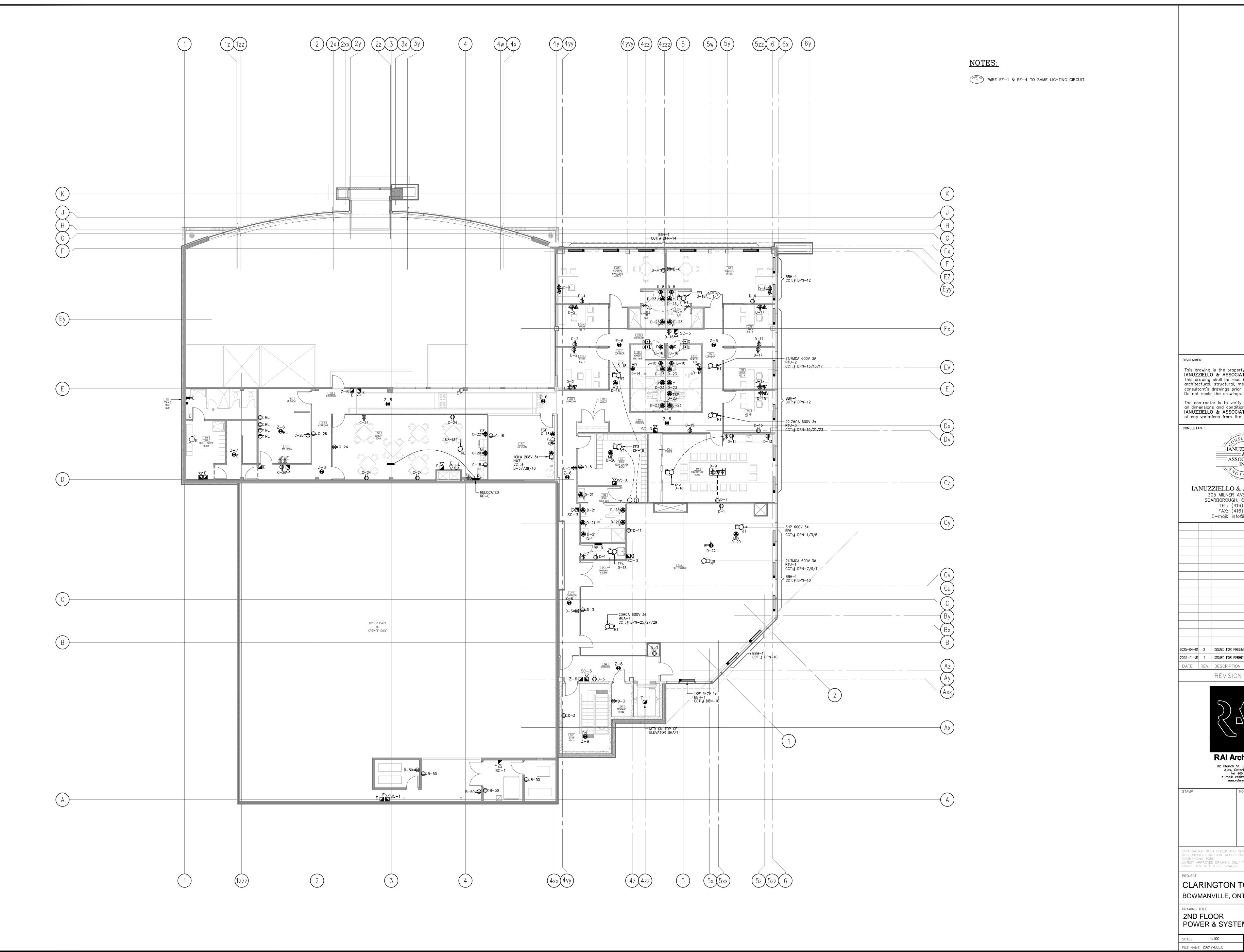
SECOND FLOOR LIGHTING PLAN

JOB No. 23217

PLOT DATE JANUARY 2025

DRAWING No.

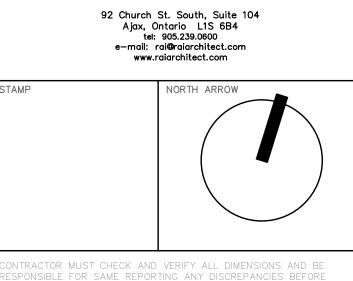




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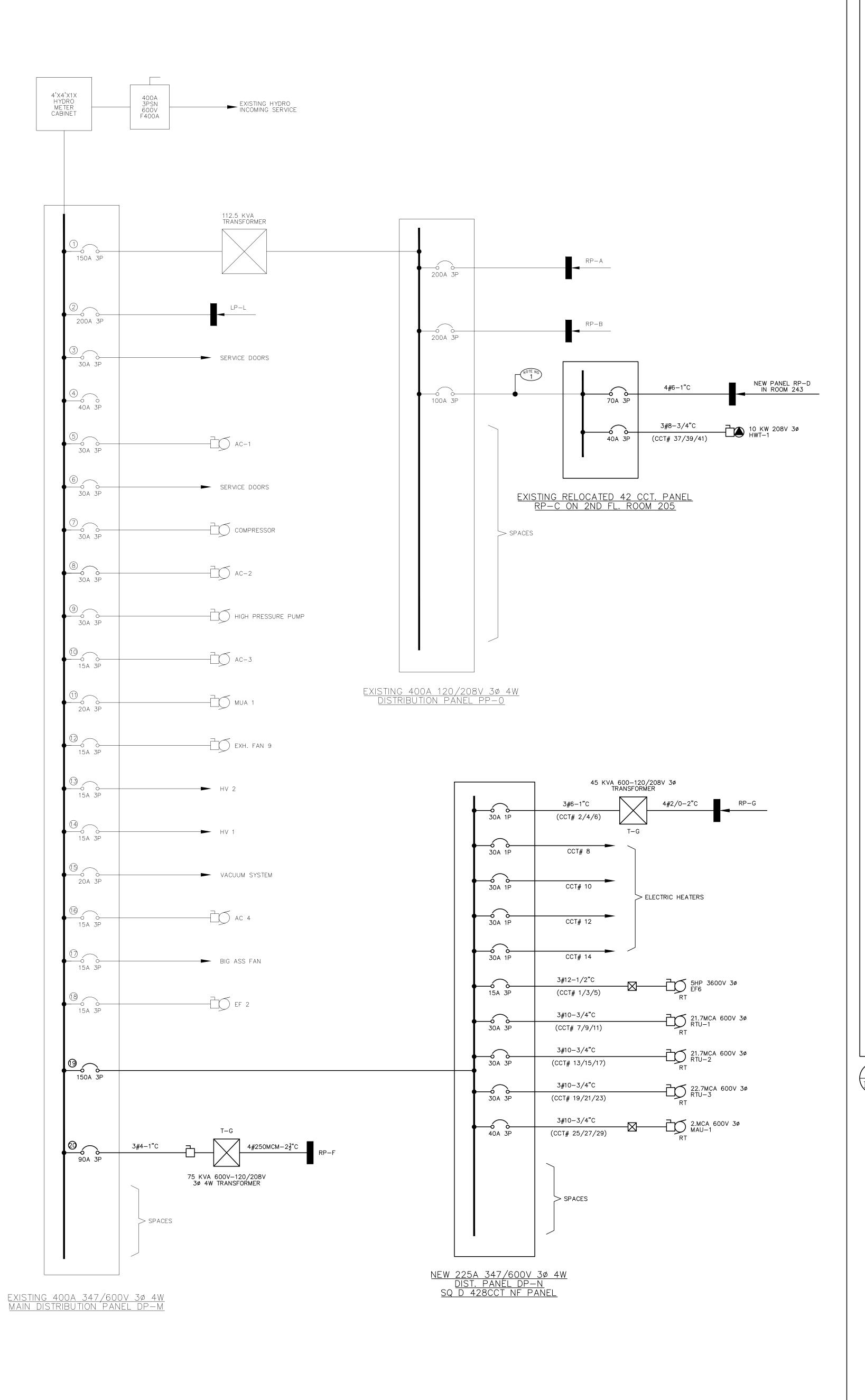


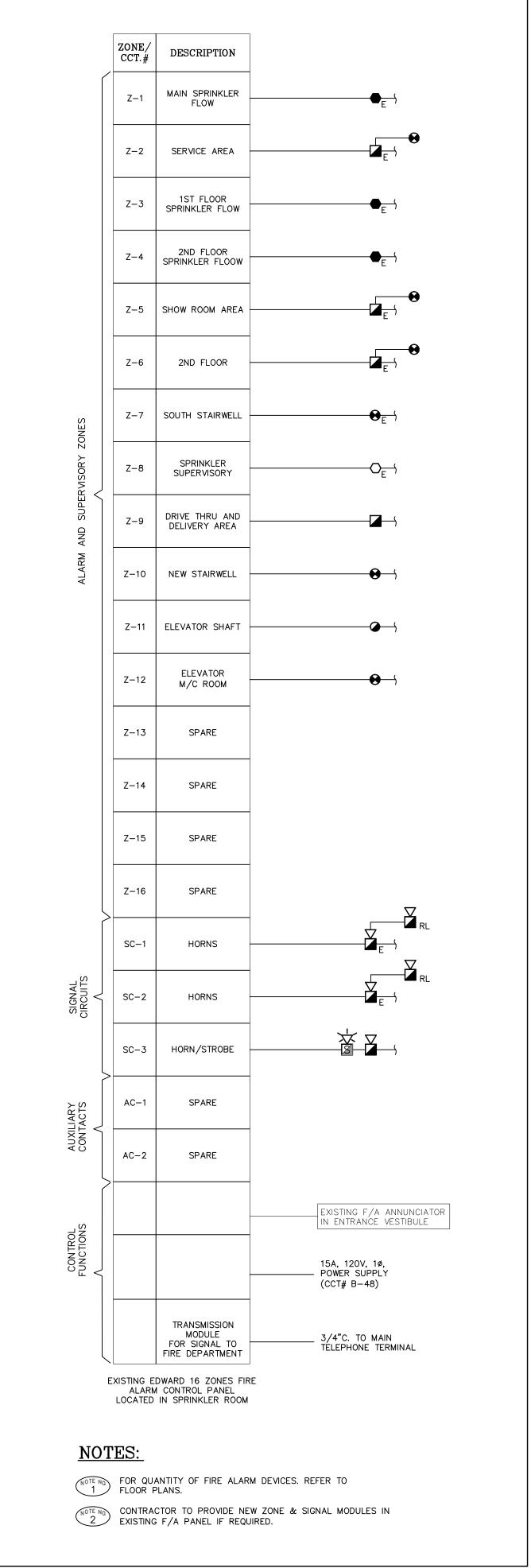
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PROJECT CLARINGTON TOYOTA BOWMANVILLE, ONTARIO

DRAWING No. 2ND FLOOR POWER & SYSTEMS PLAN

JOB No. 23217 FILE NAME 23217-ELEC PLOT DATE JANUARY 2025





FIRE ALARM RISER DIAGRAM E-10 SCALE: N.T.S.

NOTES:

VOLTAGE:	3	47/60	0V []		1ø, 3W 🗌	3ø, 4W		
TYPE: SQUARE 'D' NQ	MAINS: 100A					225A			
LOCATION: JANITOR CLOSE	MOUN	ITING:			FLUSH 🗌	SURFACE			
LOAD DESCRIPTION	LOAD	BRK	CIRC	PHASE	CIRC	BRK	LOAD	LOAD DE	SCRIPTION
RECEPT.	-	15A	1	Α	2	15A	-	RECEPT.	
RECEPT.	-	15A	3	В	4	15A	-	RECEPT.	
RECEPT.	-	15A	5	С	6	15A	-	RECEPT.	
RECEPT. CONFERENCE RM	-	15A	7	Α	8	15A	-	GFI RECEPT.	
RECEPT. CONFERENCE RM	-	15A	9	В	10	15A	-	GFI RECEPT.	
RECEPT. CONFERENCE RM	-	20A	11	С	12	15A	-	DOOR OPERA	TORS
RECEPT. CONFERENCE RM	-	20A	13	Α	14	20A	-	HAND DRYER	
RECEPT.	-	15A	15	В	16	20A	-	HAND DRYER	
RECEPT.	-	15A	17	С	18	15A	-	EF-1, 2, 3, 4	ļ
RECEPT.	-	15A	19	Α	20	15A	-	MOTORIZED D	AMPER
ELECTRICAL FAUCET AND TRAP SEAL PRIMER	_	15A	21	В	22	20A	_	ROOF RECEPT	ACLE
ELECTRICAL FAUCET AND TRAP SEAL PRIMER	-	15A	23	С	24	15A	-	SPARE	
SPARE	-	15A	25	Α	26			SPACE	
SPARE	_	15A	27	В	28			SPACE	
SPARE	_	15A	29	С	30			SPACE	
TOTAL CO				DNNEC ⁻	ΓED L	OAD	-		

VOLTAGE:	8V 🌌	3	47/60	0V []		1ø, 3W 🗌 3ø, 4W 🌌	
TYPE: SQUARE 'D' NQ		MAINS:				100A 400A		
LOCATION: PART STORAGE E120				MOUN	TING:			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	В	4	15A	_	FLOOR OUTLETS
RECEPT.	_	15A	5	С	6	15A	-	FLOOR OUTLETS
RECEPT.	-	15A	7	А	8	15A	-	COLUMN RECEPT.
RECEPT. (FRIDGE)	-	15A	9	В	10	15A	_	RECEPT. OFFICES 133 & 134
COUNTER RECEPT.	-	20A	11	С	12	15A	_	SPARE
SPARE	_	15A	13	Α	14	15A	-	SPARE
SPARE	_	15A	15	В	16	15A	-	SPARE
SPARE	-	15A	17	С	18	15A	-	SPARE
EV CHARGER	-	901	19	А	20	15A	-	SPARE
(2#4+GND)		2P	21	В	22	15A	_	SPARE
EV CHARGER	-	901	23	С	24	15A	-	SPARE
(2#4+GND)		2P	25	А	26			SPACE
SPACE			27	В	28			SPACE
SPACE			29	С	30			SPACE
SPACE			31	Α	32			SPACE
SPACE			33	В	34			SPACE
SPACE			35	С	36			SPACE
SPACE			37	А	38	100 <i>p</i> /		
SPACE			39	В	40			RP-G
SPACE			41	С	42	/3P		
	_	тот	AL C	ONNEC.	TED L	OAD	_	

PANEL DESIGNATION: 'RP	PANEL DESIGNATION: 'RP−G' NEW EXISTING □									
VOLTAGE:	120/20	8V 🌌	3	47/60	0V [1ø, 3W 🗌	3ø, 4W	
TYPE: SQUARE 'D' NQ	MAIN	S:			100A 🗌	225A				
LOCATION: DRIVE THRU/DELIVERY AREA					NTING:			FLUSH 🗌	SURFACE	
LOAD DESCRIPTION LOAD BRK CIRC				PHASE	CIRC	BRK	LOAD	LOAD DE	SCRIPTION	
RECEPT.	_	15A	1	Α	2	60 <i>p</i> /	-	EV CHARGER		
UNIT HEATER 'UH1'	-	15A	3	В	4	/2P		(2#6+GND)		
UNIT HEATER 'UH1'	_	15A	5	С	6	60 <i>p</i> /	-	EV CHARGER		
RECEPT.	-	15A	7	Α	8	/2P		(2#6+GND)		
RECEPT.	-	15A	9	В	10			SPACE		
FLOOR RECEPT.	-	15A	11	С	12			SPACE		
SPARE	-	15A	13	Α	14			SPACE		
SPARE	_	15A	15	В	16			SPACE		
SPARE	_	15A	17	С	18			SPACE		
SPARE	_	15A	19	А	20			SPACE		
SPACE			21	В	22			SPACE		
SPACE			23	С	24			SPACE		
SPACE			25	Α	26			SPACE		
SPACE			27	В	28			SPACE		
SPACE			29	С	30			SPACE		
TOTAL CC				ONNEC.	TED L	OAD	-			

·,								
PANEL DESIGNATION: 'LP								NEW EXISTING
VOLTAGE:	120/20	8V 🗌	3	47/60	0V 🌌			1ø, 3W 🗌 3ø, 4W 🌌
TYPE: SQD HCN 3474:		MAIN	S:			100A 🗌 225A 🌌		
LOCATION: ELECT. RM					TING:			FLUSH SURFACE
LOAD DESCRIPTION	LOAD	BRK	CIRC	PHASE	CIRC	BRK	LOAD	LOAD DESCRIPTION
SERVICE AREA LIGHTING	-	20A	1	Α	2	20A	-	PYLON SIGN #2
LTG-SERVICE SHOP (N/L)	_	20A	3	В	4	20A	-	LTG — GROUND FL. & SHOWROOM NIGHT LTGS
LTG-SERVICE SHOP (N/L)	_	20A	5	С	6	20A	_	LTG - 2ND FL NIGHT LTG
LTG-SERVICE SHOP (N/L)	-	20A	7	А	8	20A	-	LTG-NEW SHOWROOM AREA & OFFICES
LTG PART STORAGE	-	20A	9	В	10	20A	-	LTG-SERVICE DRIVE THRU
SPARE	_	20A	11	С	12	20A	-	LTG-SERVICE DRIVE THRU
SPARE	-	20A	13	Α	14	20A	-	LTG-EXISTING SHOWROOM AREA
SPARE	_	20A	15	В	16	20A	-	LTG-EXISTING SHOWROOM AREA
SPARE	_	20A	17	С	18	20A	-	PYLON #5
SPARE	_	20A	19	А	20	20A	-	LTG-2ND FLOOR
SPARE	-	20A	21	В	22	20A	-	LTG-2ND FLOOR
FF HTR	_	20A	23	С	24	20A	-	LTG-2ND FLOOR
FF HTR CORRIDOR 131	_	20A	25	А	26	20A	-	LTG-2ND FLOOR CORRIDOR
FF HTR PART NIGHT DEL 121	-	20A	27	В	28	20A	-	SPARE
BB HTR SHOWROOM	_	20A	29	С	30	20A	-	SPARE
FF HTR MAIN VESTIBULE	_	20A	31	Α	32	20A	-	BB HTR TECH W/R 220
BB HTR SHOWROOM	-	20A	33	В	34	20A	-	EXIT LIGHT/EMERGENCY LTS
UNIT HTR TOOL ROOM 126	_	20A	35	С	36	20A	-	U/S CANOPY LTG
FF HTR	_	20A	37	А	38	20A	-	SPARE
SPARE	-	20A	39	В	40	20A	-	SPARE
SPARE	_	20A	41	С	42	20A	_	SPARE
	-	тот	ONNEC.	TED L	OAD	-		

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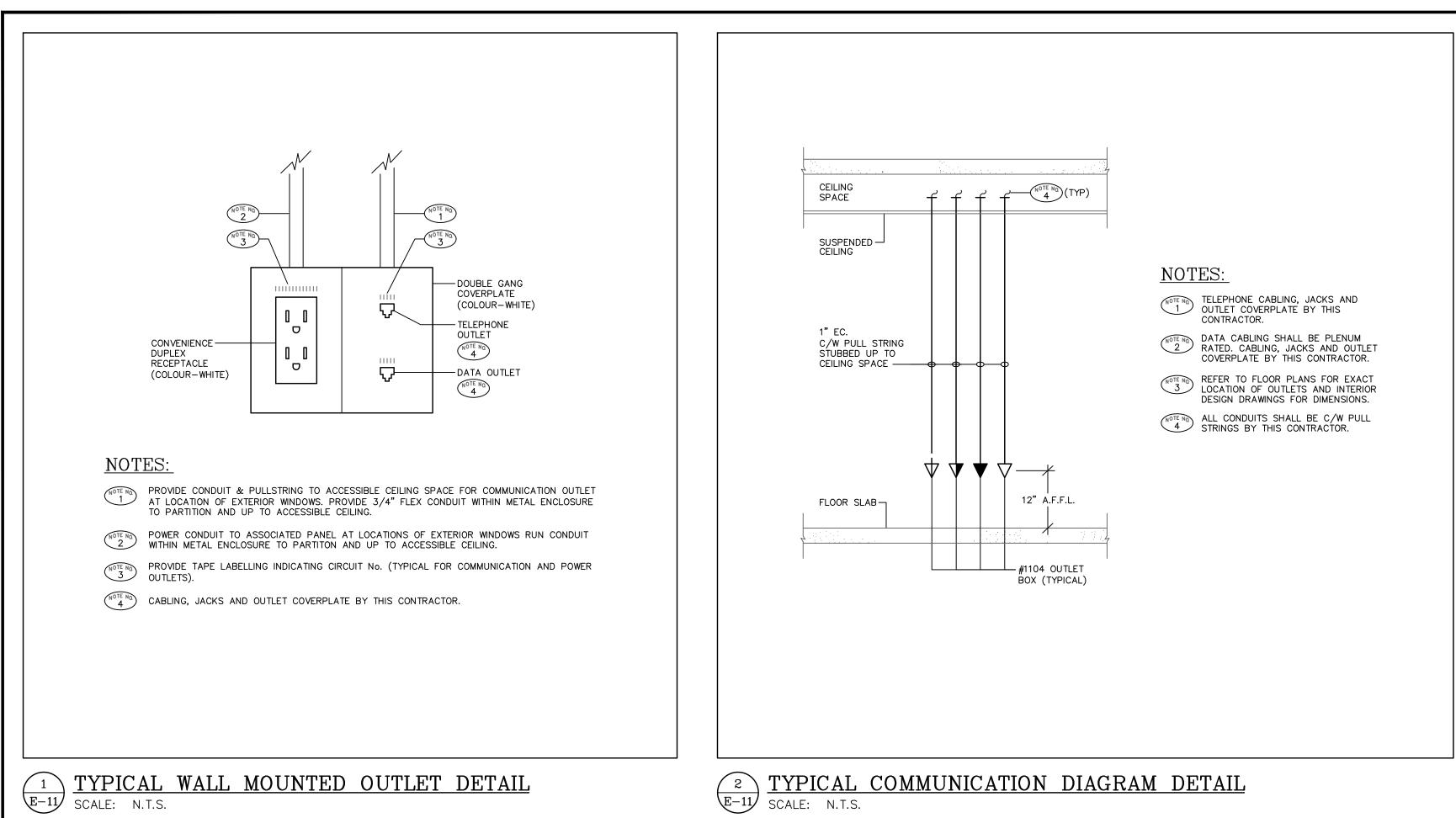
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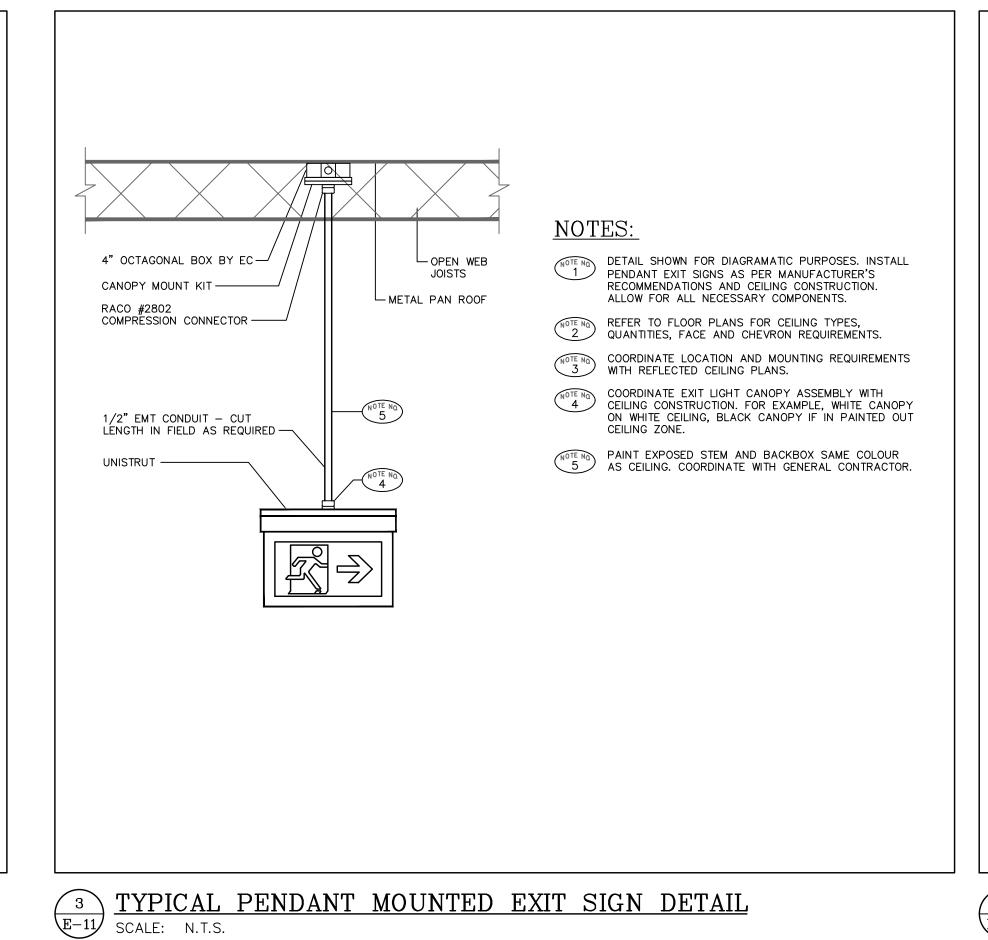
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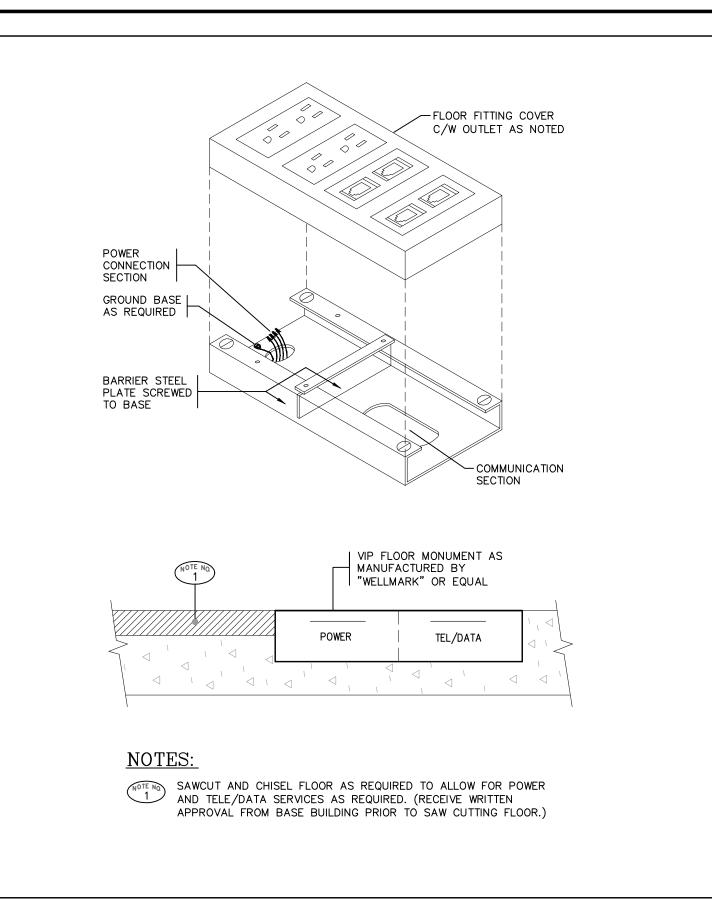
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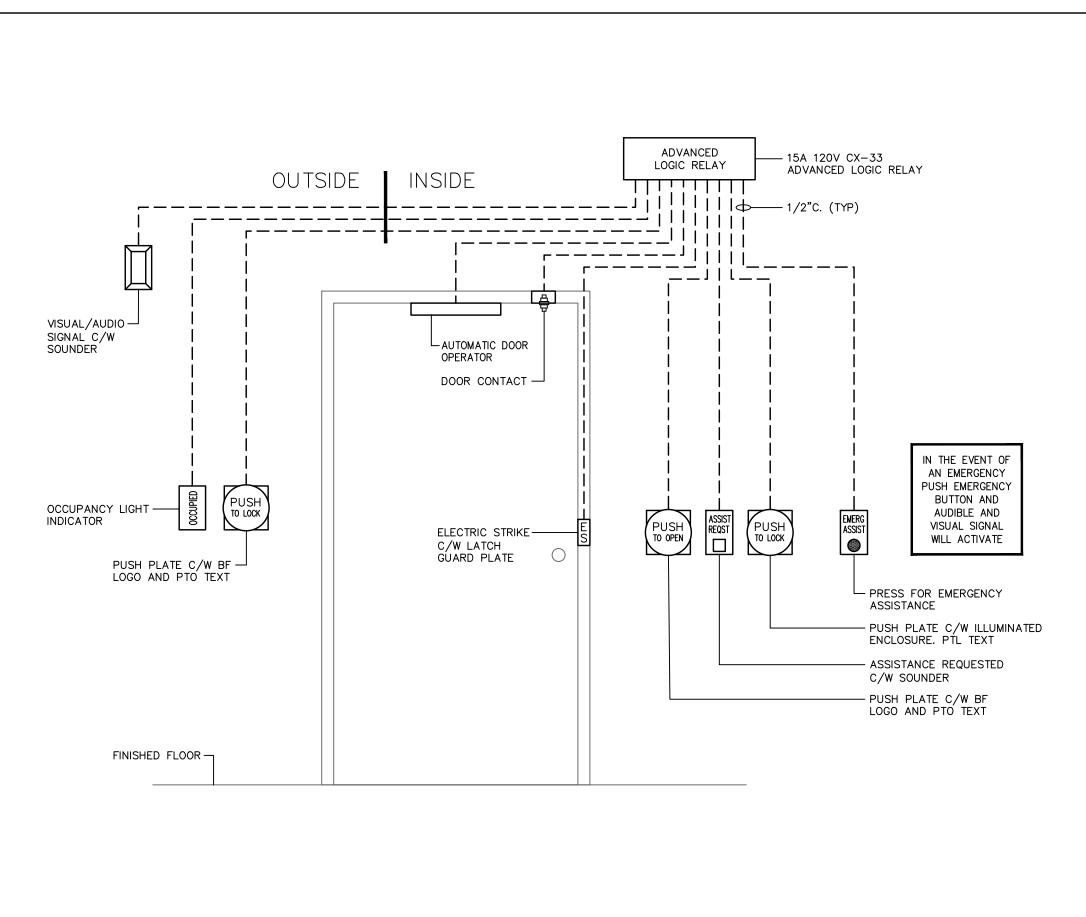
DISTRIBUTION DIAGRAM
SCALE: N.T.S.



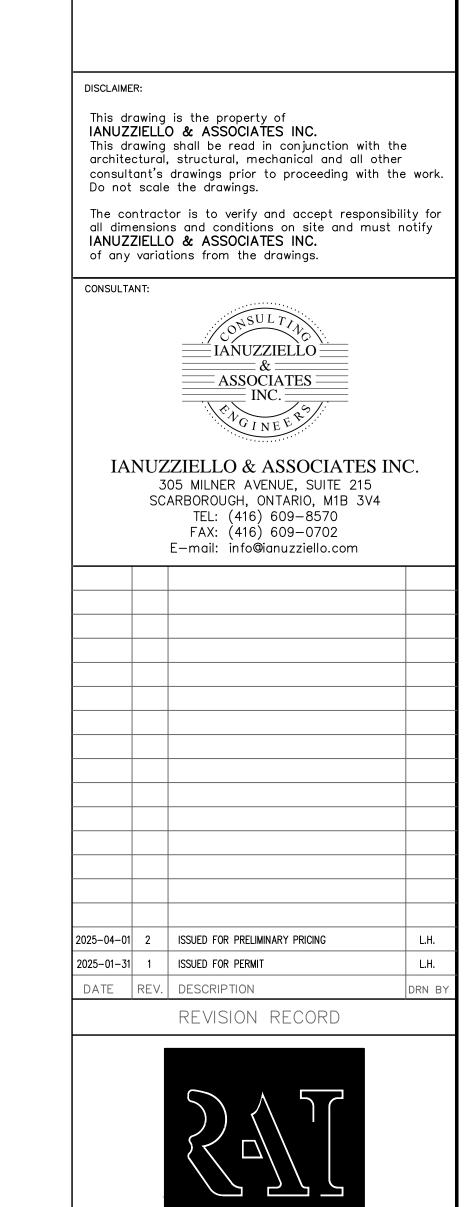




RECESSED FLUSH FLOOR MONUMNT FITTING DETAIL (FOR CONFERENCE ROOM) SCALE: N.T.S.



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



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DRAWING No.

JOB No. 23217

PLOT DATE JANUARY 2025

E-11

CLARINGTON TOYOTA

BOWMANVILLE, ONTARIO

DETAILS SHEET NO.1

AS NOTED

FILE NAME 23217-ELEC

PROJECT