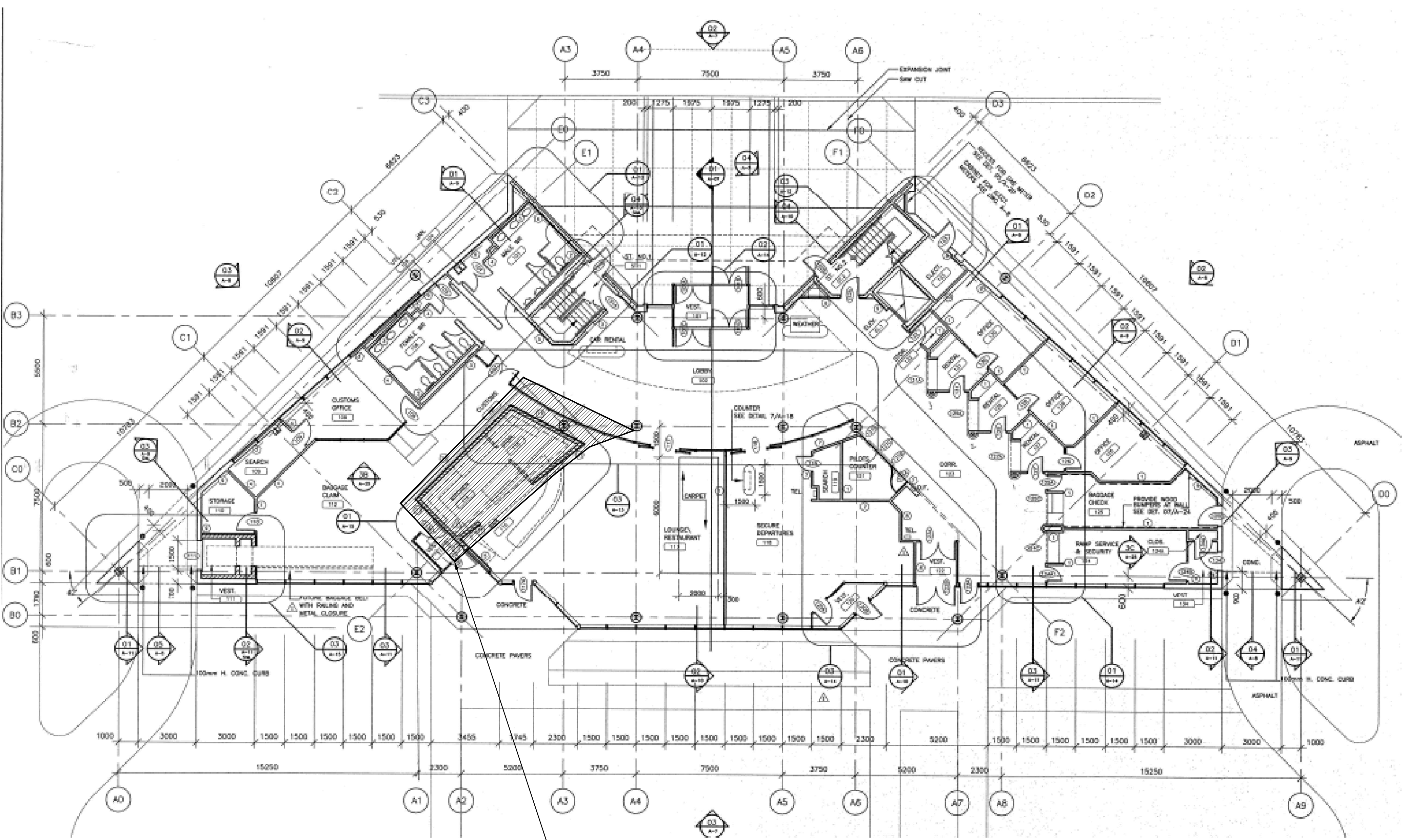


SPECIFICATION NOTES:

DRAWINGS ARE PERFORMANCE IN INTENT AND DIAGRAMMATIC IN NATURE.
 PROVIDE ALL PRODUCTS AND LABOUR TO PERFORM COMPLETELY THE WORK AS SHOWN OR REQUIRED TO MEET THE DESIGN INTENT, AT NO EXTRA COST.
 PERFORM ALL WORK IN CONFORMANCE TO BUILDING CODE, ELECTRICAL SAFETY CODE, LOCAL ELECTRICAL INSPECTOR'S REQUIREMENTS AND ALL MUNICIPAL BY-LAWS.
 DO NOT REDUCE STANDARDS SET BY THESE DRAWINGS BY APPLYING CODES. EXAMINE SITE FOR CONDITIONS AFFECTING WORK. NO EXTRA COST SHALL BE ALLOWED FOR CONSIDERATIONS OVERLOOKED.
 APPLY FOR ALL PERMITS, SERVICES AND INSPECTIONS AND PAY ALL RELATED FEES.
 SUBMIT SHOP DRAWINGS TO CONSULTANT FOR ALL ELECTRICAL EQUIPMENT FOR REVIEW AND COMMENTS.
 CARRY OUT WORK IN CONFORMANCE TO BASE BUILDING STANDARDS.
 MAKE ANY ADJUSTMENTS, REROUTINGS OR RELOCATIONS TO EXISTING ELECTRICAL PRODUCTS AS REQUIRED. PROVIDE SUCH ADJUSTMENTS AT NOT EXTRA COST.
 BECOME FULLY FAMILIAR WITH EXISTING BUILDING SYSTEMS & EQUIPMENT OPERATIONS. PROVIDE ALL REQUIRED PRODUCTS TO MAKE NEW WORK FULLY OPERATIONAL TO MEET DESIGN INTENT.
 INCLUDE IN QUOTED PRICE FOR ALL ALTERATIONS TO EXISTING BUILDING SYSTEMS AND ANY INSTALLED PRODUCTS AFFECTED IN INTERFACING NEW WORK.
 MAINTAIN ALL BUILDING SERVICE IN OPERATION. PROVIDE ALL TEMPORARY WIRING AND CONNECTIONS. SHUTDOWN SERVICES ONLY AS AUTHORIZED IN WRITING.
 INCLUDE IN QUOTED PRICE FOR PREMIUM TIME WORK REQUIRED.
 COORDINATE WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION. NOTIFY CONSULTANT OF ANY DISCREPANCIES.
 TEST NEW AND EXISTING INTERFACED SYSTEMS TO ENSURE PROPER OPERATION. CORRECT ALL DEFICIENCIES.
 REPAIR ANY SYSTEM DAMAGED DURING EXECUTION OF WORK.
 PRODUCTS SHALL BE OF MANUFACTURE SPECIFIED, WHERE MANUFACTURE IS NOT SPECIFIED, PRODUCTS SHALL BE OF HIGH COMMERCIAL QUALITY AND SHALL BE CSA APPROVED FOR THE APPLICATION.
 VERIFY LOADING OF EXISTING CIRCUITS TO BE REUSED. DO NOT EXCEED CODE REQUIREMENTS. VERIFY ON SITE EXISTING CIRCUITS USED, SPARE AND SPACES AVAILABLE WHERE EXISTING PANELS ARE TO BE REUSED. PROVIDE ADDITIONAL BREAKERS AND CIRCUITS AS NECESSARY.
 ADJUST PANEL SCHEDULES TO REFLECT ANY CHANGES PERFORMED TO THE CIRCUITS.
 ALL NEW PANELS SHALL BE COPPER BUS, SIZE AS NOTED. ALL BRANCH CIRCUIT BREAKERS SHALL BE BOLT-ON TYPE, "SMD" RATED.
 ALL NEW DISCONNECT SWITCHES SHALL BE HEAVY DUTY QUICK-MAKE, QUICK BREAK ENCLOSED SAFETY SWITCHES.
 HAVE ALL FLOOR PENETRATIONS FOR POKE-THROUGH SERVICES APPROVED ON SITE BY STRUCTURAL ENGINEER.
 PACK AND SEAL ALL PENETRATIONS THROUGH FLOORS AND FIRE RATED WALLS WITH APPROVED MATERIAL TO RETAIN FIRE RATING.
 PROVIDE ALL CUTTING AND PATCHING REQUIRED TO EFFECT WORK WITH THE PRIOR APPROVAL AND INSTRUCTION OF THE OWNER'S REPRESENTATIVE.
 RELOCATE AND REROUTE ELECTRICAL CONDUITS, OUTLET BOXES AND OTHER PRODUCTS IN CEILING SPACES WHERE NEW PARTITIONS TO SLAB, DRYWALL CEILINGS OR NEW MECHANICAL WORK WILL INTERFERE WITH SERVICING ACCESS.
 WIRE NEW POWER OUTLETS IN EXISTING PARTITIONS WITH ARMoured CABLE.
 PROVIDE NEW PULL CABLE FOR ALL NEW TELEPHONE OR SIGNAL WIRING IN EXISTING PARTITIONS.
 REMOVE ALL WIRING AND CONDUIT IN PARTITIONS TO BE DEMOLISHED.
 REMOVE ALL ARMoured CABLE IN CEILING SPACES WHERE EXISTING OUTLETS OR EQUIPMENT IS TO BE REMOVED. MAKE SAFE ALL WIRING AND BLANK OFF ALL BOXES.
 DO ALL REQUIRED WORK RELATED TO LIFE SAFETY SYSTEMS AT NO EXTRA COST. RETAIN THE SYSTEM MANUFACTURER'S FORCES TO PERFORM FINAL CONNECTIONS, MODIFICATIONS AND PROVISION OF NEW INTERFACING DEVICES IN THE SYSTEM PANELS.
 ENSURE FULL COMPATIBILITY OF ALL NEW DEVICES WITH EXISTING LIFE SAFETY SYSTEMS.
 HAVE SYSTEM MANUFACTURER TEST AND CERTIFY LIFE SAFETY SYSTEMS FOR PROPER OPERATION AT COMPLETION OF WORK. PROVIDE COMPLETE SYSTEM VERIFICATION TO SUIT LOCAL AUTHORITIES.
 DO NOT SCALE DRAWINGS. FOR EXACT LOCATIONS REFER TO ARCHITECTURAL DRAWINGS AND VERIFY ON SITE ALL DIMENSIONS PRIOR TO INSTALLING PRODUCTS.
 ADJUST LOCATION OF PRODUCTS UP TO 3m (10 FT) IN ANY DIRECTION AS DIRECTED AT NO EXTRA COST, PROVIDED THE CHANGES ARE REQUESTED PRIOR TO INSTALLATION.
 INCLUDE FOR ANY ADDITIONAL COSTS INCURRED BY OTHER TRADES RESULTING FROM SUBSTITUTING ANY ALTERNATIVE EQUIPMENT.
 PROVIDE RECORD DRAWINGS OF THE AS-CONSTRUCTED WORK. OBTAIN AND PAY FOR ONE (1) SET OF MYLAR SEPIAS. SUBMIT SEPIAS AND ONE (1) SET OF PRINTS FOR APPROVAL.
 PROVIDE A FULLY ITEMIZED BREAKDOWN OF LABOUR AND MATERIAL FOR EXTRA OR DELETED WORK.
 ARRANGE FOR INSPECTION OF WORK BY INSPECTION AUTHORITY. PROVIDE A FINAL UNCONDITIONAL CERTIFICATE OF APPROVAL.
 PROVIDE A WRITTEN GUARANTEE FOR ONE (1) YEAR COVERING MATERIAL AND WORKMANSHIP. RECTIFY ANY DEFECTS PROMPTLY.
 REFER TO DIVISION 15 DOCUMENTS AND PROVIDE ALL POWER WIRING AND DISCONNECT SWITCHES REQUIRED.
 ENSURE RECEPTACLES ARE INSTALLED WHICH MATCH EQUIPMENT PLUG CONFIGURATION. MAKE CHANGES TO SUIT AT NO EXTRA COST. TEST EACH RECEPTACLE FOR PROPER POLARITY AND GROUND.
 SUPPORT ALL NEW CONDUIT INSTALLATION FROM STRUCTURE. SECURE ALL PRODUCTS IN APPROVED MANNER.
 CIRCUIT NUMBERS INDICATED ON DRAWINGS ARE FOR LOAD GROUPING PURPOSES ONLY. BALANCE LOADS ON PANELS TO WITHIN 10% ACROSS PHASES.
 PROVIDE ALL WIRING DEVICES AS SPECIFICATION GRADE UNLESS NOTED OTHERWISE.
 IDENTIFY ALL EQUIPMENT PROVIDED WITH LAMICOID PLATES WITH 7mm (1/4") HIGH ENGRAVED LETTERS.
 PROVIDE ALL WIRING AS COPPER T90 FOR OVERHEAD INSTALLATION AND RW90 FOR UNDER GROUND INSTALLATION. ALL WIRING SHALL BE DONE IN CONDUIT UNLESS OTHERWISE NOTED. BX CABLE MAY BE USED IN PARTITION WALLS AND CEILING SPACE FOR RUNS NOT EXCEEDING 10 FT. HORIZONTALLY.
 MINIMUM WIRE SIZE IS #12 AWG. INCREASE SIZE AS REQUIRED TO LIMIT BRANCH CIRCUIT VOLTAGE DROP TO 3% AND FEEDER VOLTAGE DROPS TO 2% AT FULL LOAD AS PER OESC AND OBC SB-10 REQUIREMENTS. USE SOLID CONDUCTORS FOR SIZES #10 AWG AND SMALLER AND STRANDED CONDUCTORS FOR SIZES # 8 AWG AND LARGER.
 ALL LIGHTING CONTROL SYSTEMS SHALL BE TESTED AND COMMISSIONED BY THIRD PARTY IN COMPLIANCE WITH OBC SB-10.
MAGNETIC COMBINATION STARTERS
 INTEGRAL FUSED QUICK-MAKE QUICK-BREAK SWITCHING MECHANISM. (FUSED SIZE AS INDICATED)
 INTEGRAL 120V SINGLE PHASE CONTROL TRANSFORMER WITH FUSED SECONDARY SIZED FOR THE CONTROL CIRCUIT REQUIREMENTS & 25% SPARE CAPACITY.
 EEMAC 1 ENCLOSURE.
 CONTACTOR SOLENOID OPERATED, RAPID ACTION TYPE, EEMAC STANDARD SIZES ONLY.
 MOTOR OVERLOAD PROTECTIVE DEVICE IN EACH PHASE, MANUALLY RESET FROM OUTSIDE ENCLOSURE. OVERLOAD HEATERS SHALL MATCH NAMEPLATE CURRENT RATING OF MOTORS FINALLY SELECTED & INSTALLED. TO FULLY PROTECT THE MOTOR FOR ALL STARTING & LOCKED ROTOR CONDITIONS WITH THE ROTOR CONDITIONS WITH THE OVERLOADS REMAINING ACTIVE AT ALL TIMES.
 POWER & CONTROL TERMINALS. (SEPARATE TERMINALS FOR EACH REMOTE CONNECTION TO ALLOW FOR TESTING ISOLATION OF INTERLOCK OR DEVICE)
 WIRING & SCHEMATIC DIAGRAM INSIDE STARTER ENCLOSURE IN VISIBLE LOCATION.
 HAND-OFF AUTO & SPEED SELECTOR SWITCHES.
 LOW VOLTAGE PILOT LIGHTS.
 AUXILIARY CONTACTS. (NORMALLY OPEN & NORMALLY CLOSED)
 AUXILIARY & TIME DELAY RELAYS.



LEGEND OF SYMBOLS		
EXISTING	NEW	DESCRIPTION
		FLUORESCENT OR LED LIGHT FIXTURE. INSCRIBED LETTER DENOTES TYPE AS PER SCHEDULE.
		H.I.D. OR LED LIGHT FIXTURE. INSCRIBED LETTER DENOTES TYPE AS PER SCHEDULE.
		SIMILAR TO ABOVE BUT CONNECTED TO NIGHT LIGHT CIRCUIT.
		CEILING OR WALL MOUNTED LED SERIES PICTOGRAM "RUNNING MAN" EXIT LIGHT SHADDED AREA DENOTES REQUIRED FACE. SELF-POWERED 120/247V. LUMACELL OR EQUAL.
		CEILING OR WALL MOUNTED LED SERIES PICTOGRAM "RUNNING MAN" COMBO EXIT LIGHT C/W SELF-CONTAINED 120/247V, 6V DC EMERGENCY BATTERY PACK AND 2-6W MR16 LED LAMPHEADS. LUMACELL, BEGHELLI, STANPRO OR EMERGO-LITE.
		EMERGENCY BATTERY UNIT AS NOTED ON DRAWINGS C/W 12V, 6 WATT MR16 LED LAMPHEADS, UNLESS NOTED OTHERWISE, 1/2 HOUR WATTAGE CAPACITY AS NOTED ON DRAWINGS (120/247V INPUT). CONTRACTOR MUST NOT EXCEED 3% VOLTAGE DROP.
		SINGLE OR DOUBLE REMOTE EMERGENCY LAMPHEADS WALL MOUNTED C/W 8 WATT 12V MR16 LED LAMPS, UNLESS NOTED OTHERWISE. LUMACELL, BEGHELLI, STANPRO OR EMERGO-LITE.
		CEILING MOUNTED SELF-POWERED, 120/247V EMERGENCY FIXTURE C/W 4 X 2.5 WATT LED LAMP BEGHELLI PL-R-EM SERIES OR APPROVED EQUAL.
		15A 120V DUPLEX U-GROUND RECEPTACLE C/W MATCHING COVERPLATE. MH 12" A.F.F. ("20A" DENOTES CSA 5-20R, 1/6" DENOTES ISOLATED GROUND).
		SAME AS ABOVE EXCEPT QUAD RECEPTACLE
		SAME AS ABOVE EXCEPT MH 3"-6" AFF OR 6" ABOVE COUNTER.
		SPECIAL RECEPTACLE. CSA CONFIGURATION AS NOTED.
		FLUSH FLOOR MOUNTED BOX WITH 2-20A DUPLEX RECEPTACLE AND PROVISION FOR TEL./DATA WIRING C/W CAST ALUMINUM COVER. VERIFY FINISHED COLOR. LEGRAND EVOLUTION SERIES EP88S
		FLUSH FLOOR MOUNTED BOX FOR CONNECTION TO SYSTEMS FURNITURE C/W CAST ALUMINUM COVER, VERIFY FINISHED COLOR. LEGRAND EVOLUTION SERIES EP88S
		WALL MOUNTED BOXES FOR POWER AND TEL./DATA WIRING TO SYSTEMS FURNITURE REFER TO FLOOR PLANS FOR WIRING REQUIREMENTS.
		SINGLE POLE TOGGLE SWITCH C/W MATCHING COVERPLATE. ("PL" DENOTES C/W PILOT LIGHT. "3" DENOTES 3-WAY, "D" DENOTES DIMMER TO SUIT APPLICATION)
		WALL MOUNTED TELEPHONE OUTLET C/W COVER PLATE MATCHING ADJACENT CONVENIENCE OUTLETS. MH 12" A.F.F. UNLESS NOTED OTHERWISE EXTEND 3/4" EMT CONDUIT C/W PULL ROPE TO ACCESSIBLE CEILING SPACE.
		WALL MOUNTED DATA OUTLET C/W COVER PLATE MATCHING ADJACENT CONVENIENCE OUTLETS. MH 12" A.F.F. UNLESS NOTED OTHERWISE EXTEND 3/4" EMT CONDUIT C/W PULL ROPE TO ACCESSIBLE CEILING SPACE.
		WALL MOUNTED TELEPHONE/DATA OUTLET C/W COVER PLATE MATCHING ADJACENT CONVENIENCE OUTLETS. MH 12" A.F.F. UNLESS NOTED OTHERWISE EXTEND 3/4" EMT CONDUIT C/W PULL ROPE TO ACCESSIBLE CEILING SPACE.
		WALL MOUNTED CABLE OUTLET C/W COVER PLATE MATCHING ADJACENT CONVENIENCE OUTLETS. MH 12" A.F.F. UNLESS NOTED OTHERWISE EXTEND 3/4" EMT CONDUIT C/W PULL ROPE TO ACCESSIBLE CEILING SPACE.
		CONNECTION TO 120V MOTOR OR POWER OUTLET AS INDICATED ON DRAWINGS.
		CONNECTION TO 208V 1 PHASE MOTOR OR POWER OUTLET AS INDICATED ON DRAWINGS.
		CONNECTION TO 208V 3 PHASE MOTOR OR POWER OUTLET AS INDICATED ON DRAWINGS.
		CONNECTION TO 600V 3 PHASE MOTOR OR POWER OUTLET AS INDICATED ON DRAWINGS.
		DISCONNECT SWITCH SIZED AS INDICATED ON DRAWINGS OR TO SUIT.
		MANUAL MOTOR STARTER SUPPLIED BY MECHANICAL CONTRACTOR BUT INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR.
		MAGNETIC MOTOR STARTER SUPPLIED BY MECHANICAL CONTRACTOR BUT INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR.
		THERMOSTAT PROVIDED BY MECHANICAL CONTRACTOR UNLESS OTHERWISE NOTED.
		ELECTRIC BASEBOARD HEATER 347V 1 PHASE C/W BUILT-IN THERMOSTAT UNLESS OTHERWISE NOTED. STELPRO 8 SERIES OR APPROVED EQUAL. WATTAGE OF UNITS AS INDICATED ON DRAWINGS. PROVIDE JUNCTION BOX BEHIND BASEBOARD HEATER FLUSH WITH FINISHED WALL FOR CONNECTION TO HEATER.
		RECESSED ELECTRIC FORCE FLOW HEATER 347V 1 PHASE C/W BUILT-IN THERMOSTAT TAMPERPROOF STELPRO WF SERIES OR EQUAL. WATTAGE OF UNITS AS INDICATED ON DRAWINGS.
		SUSPENDED ELECTRIC UNIT HEATER 600V, 3 PHASE C/W REMOTE THERMOSTAT UNLESS OTHERWISE NOTED. STELPRO SHU SERIES OR EQUAL. WATTAGE OF UNITS AS INDICATED ON DRAWINGS.
		ELECTRICAL PANEL
		FIRE ALARM PANEL OR ANNUNCIATOR
		JUNCTION BOX TO SUIT APPLICATION
		SPEED CONTROLLER SUPPLIED, INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR.
		SINGLE PUSH BUTTON STATION
		MULTI PUSH BUTTON STATION
		FIRE ALARM MANUAL PULL STATION.
		FIRE ALARM HORN.
		FIRE ALARM STROBE (110cd).
		FIRE ALARM HORN/STROBE (110cd).
		FIRE ALARM HEAT DETECTOR, 135F RATE OF RISE.
		FIRE ALARM HEAT DETECTOR, 200F FIXED TEMPERATURE.
		FIRE ALARM SMOKE DETECTOR.

ABBREVIATION:

WP	DENOTES "WEATHER PROOF (NEMA TYPE 4X ENCLOSURE)".
IG	DENOTES "ISOLATED GROUND".
GFI	DENOTES "GROUND FAULT INTERRUPTER".
ER	DENOTES EXISTING ITEM TO BE RELOCATED.
RL	DENOTES EXISTING ITEM IN RELOCATED POSITION.
EX	DENOTES EXISTING ITEM TO REMAIN.
R	DENOTES EXISTING ITEM TO BE REMOVED.
NL	DENOTES NEW TO MATCH EXISTING.

DRAWING LIST

E0.0	- LEGEND, SPECIFICATION, SLD AND DETAILS
E1.1	- DEMOLITION FLOOR PLAN
E2.0	- NEW WORK LIGHTING FLOOR PLAN
E2.1	- NEW WORK POWER FLOOR PLAN

CLIENT:
City Of Oshawa

2	IF PERMIT & TENDER	M.A	MAY 05, 26
1	IF 90% REVIEW	M.A	MAR. 17, 26
No.	DESCRIPTION	BY	DATE
REVISIONS			

ELECTRICAL:
MJA ENGINEERING LTD.
 ELECTRICAL ENGINEERS

556 EDWARD AVENUE, UNIT B2
 RICHMOND HILL, ONTARIO
 L4C 9Y5, CANADA
 PHONE: (905) 780-8590
 EMAIL: engineering@mjaeng.com
 WEB SITE: www.mjaeng.com

- VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
- DO NOT SCALE DRAWINGS.
- REPORT ALL DISCOVERIES OF ERRORS, OMISSIONS OR DISCREPANCIES TO THE ARCHITECT OR DESIGN ENGINEER AS APPLICABLE.
- USE ONLY LATEST REVISED DRAWINGS OR THOSE THAT ARE MARKED "ISSUED FOR CONSTRUCTION" AND SIGNED BY THE ENGINEER.
- THIS DOCUMENT SHALL REMAIN THE PROPERTY OF MJA ENGINEERING LTD. THE CLIENT SHALL BE PERMITTED TO RETAIN COPIES FOR INFORMATION AND REFERENCE ONLY. THIS DOCUMENT CANNOT BE MODIFIED AND/OR REPRODUCED BY OTHERS WITHOUT WRITTEN CONSENT OF MJA ENGINEERING LTD.

J.R. FREETHY ARCHITECT

325 LAKE ROAD, SUITE 202
 BOWMANVILLE, ONTARIO
 L1C 4P8 TEL: (905) 623-7476

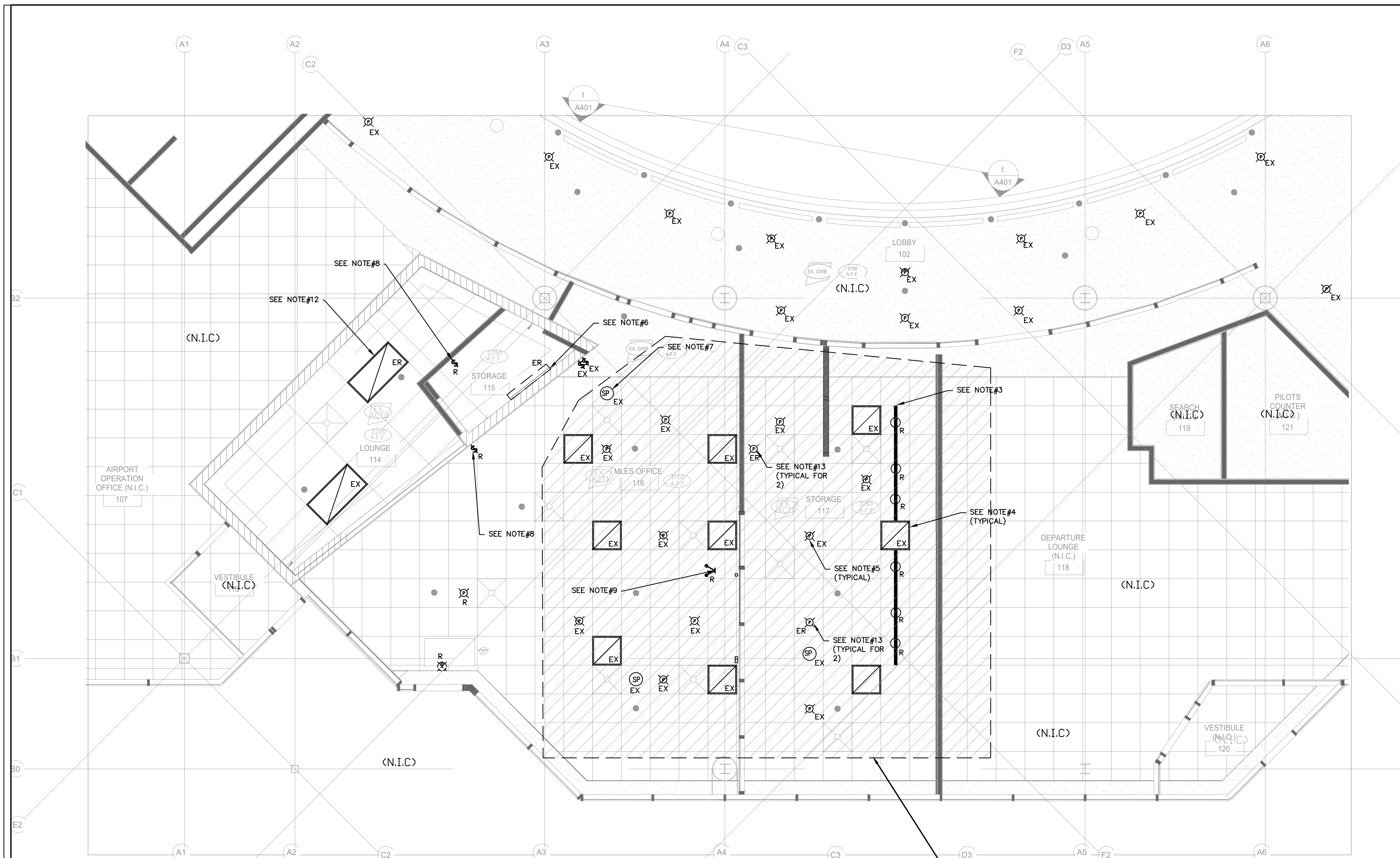
PROJECT:
Oshawa Airport MLES Office Alterations

1200 Airport Blvd, Oshawa, ON L1J 8P5

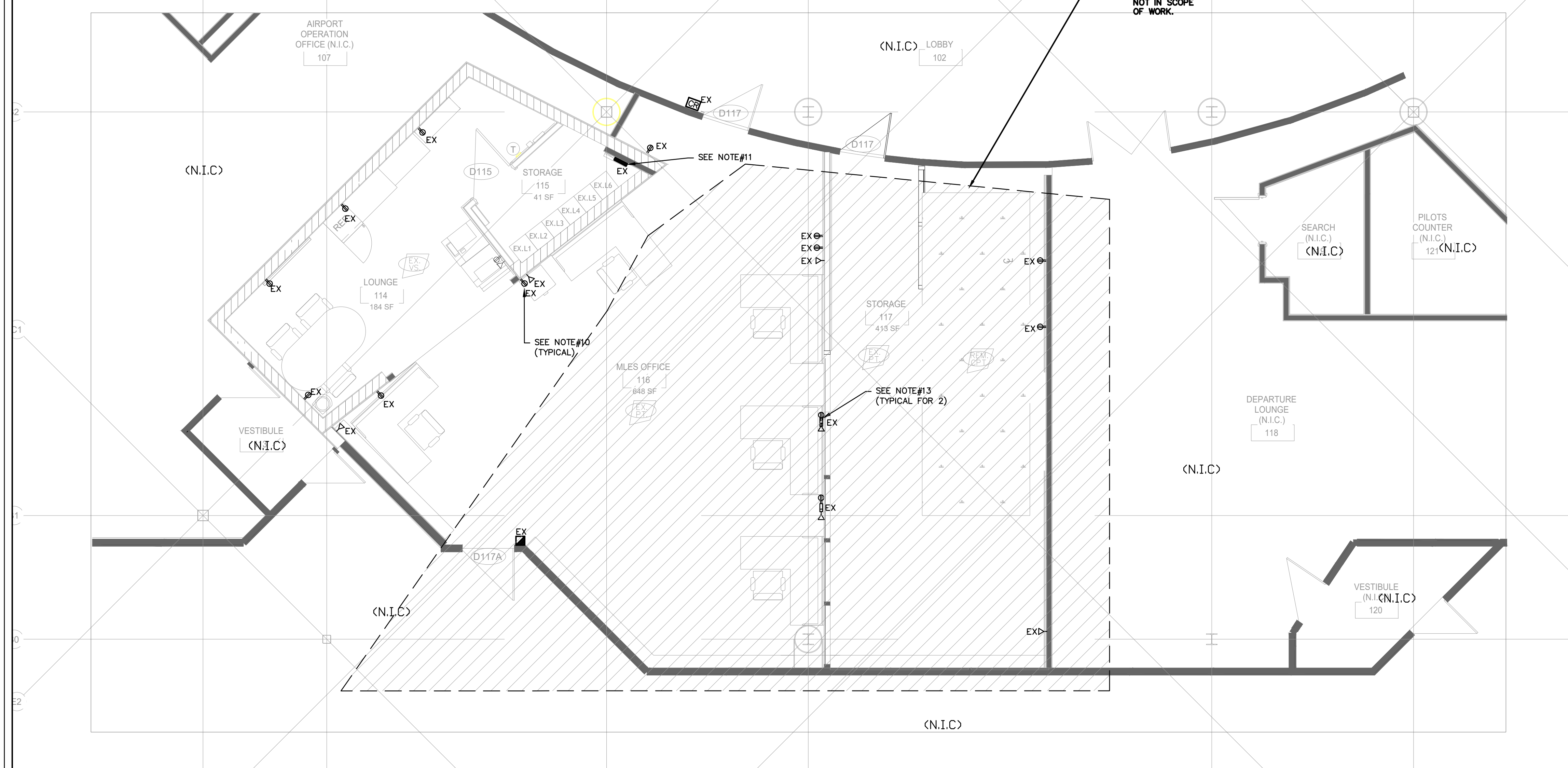
SCALE: AS NOTED
 DWG. BY: HG
 CHECKED BY: M.A
 STATUS:
 PLOT FACTOR:

TITLE:
SPECIFICATION, LEGEND AND KEY PLAN

PROJECT No.: **2026-022** DWG. No.: **E 0.0**
 DATE: MARCH 2026



1 DEMOLITION LIGHTING FLOOR PLAN
 E1.0 SCALE: 1/4" = 1'-0"



2 DEMOLITION POWER FLOOR PLAN
 E2.0 SCALE: 1/4" = 1'-0"

DEMOLITION NOTES

- UNLESS OTHERWISE NOTED ALL ELECTRICAL EQUIPMENT SHOWN SHALL BE REMOVED AND DISPOSED OF OFF SITE IN AN APPROVED MANNER.
- ELECTRICAL CONTRACTOR SHALL ALSO REMOVE ALL ASSOCIATED CONDUIT AND WIRE FOR REMOVED EQUIPMENT TO FEEDING SOURCE UNLESS OTHERWISE NOTED.
- EXISTING TRACK LIGHT TO BE REMOVED.
- EXISTING FLUORESCENT LIGHT FIXTURE TO REMAIN AS IS. CHANGE DAMAGED BALLASTS AND TO LIGHTS IF ANY AND MAKE OPERATIONAL.
- EXISTING POTLIGHT TO REMAIN AS IS.
- EXISTING LINEAR LIGHT TO BE RELOCATED.
- EXISTING SPEAKERS TO REMAIN AS IS.
- EXISTING LIGHT SWITCH TO BE REMOVED.
- EXISTING EMERGENCY REMOTE HEADS TO BE REMOVED.
- EXISTING RECEPTACLES TO REMAIN AS IS.
- EXISTING PANEL KA TO REMAIN AS IS.
- EXISTING 2X4 FLUORESCENT LIGHT BEING RELOCATED.
- EXISTING POTLIGHT TO BE RELOCATED.

DEMOLITION SPECIFICATION

- SCOPE
 THIS SPECIFICATION COVERS THE REQUIREMENTS FOR DEMOLITION, SALVAGE, AND REMOVAL, EITHER COMPLETELY OR PARTIALLY, OF ELECTRICAL EQUIPMENT AND MATERIALS.
- GENERAL CONDITION
 2.1 DRAWINGS ARE PERFORMANCE IN INTENT AND DIAGRAMMATIC IN NATURE.
 2.2 PROVIDE ALL PRODUCTS AND LABOUR TO PERFORM COMPLETELY THE WORK AS SHOWN OR REQUIRED TO MEET THE DESIGN INTENT, AT NO EXTRA COST.
 2.3 PERFORM ALL WORK IN CONFORMANCE TO BUILDING CODE, ELECTRICAL SAFETY CODE, LOCAL ELECTRICAL INSPECTOR'S REQUIREMENTS AND ALL MUNICIPAL BY-LAWS.
 2.4 DO NOT REDUCE STANDARDS SET BY THESE DRAWINGS BY APPLYING CODES.
 2.5 EXAMINE SITE FOR CONDITIONS AFFECTING WORK. NO EXTRA COST SHALL BE ALLOWED FOR CONSIDERATIONS OVERLOOKED.
 2.6 APPLY FOR ALL PERMITS, SERVICES AND INSPECTIONS AND PAY ALL RELATED FEES.
 2.7 MAKE ANY ADJUSTMENTS, REWIRINGS OR RELOCATIONS TO EXISTING ELECTRICAL PRODUCTS AS REQUIRED, PROVIDE SUCH ADJUSTMENTS AT NOT EXTRA COST.
 2.8 BECOME FULLY FAMILIAR WITH EXISTING BUILDING SYSTEMS & EQUIPMENT OPERATIONS.
 2.9 MAINTAIN ALL BUILDING SERVICE IN OPERATION. PROVIDE ALL TEMPORARY WIRING AND CONNECTIONS. SHUTDOWN SERVICES ONLY AS AUTHORIZED IN WRITING.
 2.10 REPAIR ANY SYSTEM DAMAGED DURING EXECUTION OF WORK.
 2.11 ADJUST PANEL SCHEDULES TO REFLECT ANY CHANGES PERFORMED TO THE CIRCUITS.
 2.12 PROVIDE ALL CUTTING AND PATCHING REQUIRED TO EFFECT WORK WITH THE PRIOR APPROVAL AND INSTRUCTION OF THE OWNER'S REPRESENTATIVE.
 2.13 REMOVE ALL WIRING AND CONDUIT IN PARTITIONS TO BE DEMOLISHED.
 2.14 REMOVE ALL ARMoured CABLE IN CEILING SPACES WHERE EXISTING OUTLETS OR EQUIPMENT IS TO BE REMOVED. MAKE SAFE ALL WIRING AND BLANK OFF ALL BOXES.
 2.15 DO NOT SCALE DRAWINGS. FOR EXACT LOCATIONS REFER TO ARCHITECTURAL DRAWINGS AND VERIFY ON SITE ALL DIMENSIONS.
 2.16 PROVIDE A FULLY ITEMIZED BREAKDOWN OF LABOUR AND MATERIAL FOR EXTRA OR DELETED WORK.
 2.17 ARRANGE FOR INSPECTION OF WORK BY INSPECTION AUTHORITY. PROVIDE A FINAL UNCONDITIONAL CERTIFICATE OF APPROVAL.
 2.18 PROVIDE A WRITTEN GUARANTEE FOR ONE (1) YEAR COVERING MATERIAL AND WORKMANSHIP RECTIFY ANY DEFECTS PROMPTLY.
 2.19 PROVIDE RED MARK-UP RECORD DRAWINGS AT THE COMPLETION OF THE WORK TO OWNER AND CONSULTANT INDICATING ALL ON SITE MODIFICATIONS AND REVISIONS.
- CONSTRUCTION
 3.1 GENERAL
 GENERAL REQUIREMENTS FOR ELECTRICAL WORK SHALL BE AS SPECIFIED IN THE CONTRACT DOCUMENTS.
 DEMOLITION, SALVAGE, AND REMOVAL OF ELECTRICAL EQUIPMENT AND MATERIALS SHALL BE AS SPECIFIED IN THE CONTRACT DOCUMENTS.
 THE CONTRACTOR SHALL ACQUIRE ALL PERMITS, APPROVALS, RELEASES, AND AGREEMENTS NECESSARY TO DO THE WORK.
 3.2 TIMING OF WORK
 EXISTING ELECTRICAL SYSTEM REQUIRED TO CONTINUE IN-SERVICE SHALL REMAIN FUNCTIONAL DURING CONSTRUCTION OPERATIONS UNTIL NEW OR MODIFIED SYSTEMS ARE OPERATIONAL.
- REMOVAL
 REMOVAL OF NON-ELECTRICAL MATERIAL AND OBJECTS REQUIRED FOR THE REMOVAL OF ELECTRICAL EQUIPMENT AND MATERIAL SHALL BE ACCORDING TO THE REQUIREMENTS OF CONTRACT GENERAL CONDITIONS.
 WHERE PARTIAL REMOVAL OF PAVEMENT, SIDEWALK, CURB AND GUTTER, OR OTHER STRUCTURES IS REQUIRED FOR REMOVAL OF ELECTRICAL EQUIPMENT, THE BROKEN EDGES OF THE OBJECT TO REMAIN IN PLACE SHALL BE SQUARED UP AND TRIMMED ALONG STRAIGHT LINES AT A MINIMUM DISTANCE OF 300 mm FROM ANY AREA DISTURBED BY REMOVAL OPERATIONS.
 STEEL REINFORCEMENT, CONDUITS, DUCTS, WIRES, AND DEBRIS ASSOCIATED WITH THE REMOVED PORTIONS OF SUCH STRUCTURES SHALL BE REMOVED FOR DISPOSAL.
- DEMOLITION
 DEMOLITION OF CONCRETE, BRICK, TIMBER, AND MASONRY STRUCTURES, INCLUDING PILE FOOTINGS, EQUIPMENT PADS, CONCRETE PILES, AND SUBSTATION BUILDINGS SHALL BE CARRIED OUT IN SUCH A MANNER AND WITH SUCH EQUIPMENT AS NOT TO DISTURB ADJACENT PAVEMENT, UTILITIES, OTHER WORKS, OR ELECTRICAL EQUIPMENT AND MATERIAL TO REMAIN IN PLACE AND WITH SUCH CARE AS TO LEAVE MATERIAL DESIGNATED TO BE SALVAGED IN AN UNMAYED CONDITION.
- LUMINAIRES
 PRIOR TO REMOVING LUMINAIRES, ALL LAMPS AND GLASS SHALL BE REMOVED.
- CABLES AND CONDUITS
 UNDERGROUND CABLES SHALL BE COMPLETELY REMOVED AND CONDUIT SYSTEMS SHALL BE CUT BACK TO A DEPTH OF 600 mm BELOW FINISHED GRADE AND ABANDONED IN PLACE.
- TRANSFORMERS
 TRANSFORMERS CONTAINING PCBs, INCLUDING ALL INTERNAL COMPONENTS, AND ALL PCB RELATED WASTES SHALL BE REMOVED AND MANAGED SUBJECT WASTE AS SPECIFIED IN THE CONTRACT DOCUMENTS.
 TRANSFORMERS NOT CONTAINING PCBs SHALL BE REMOVED, SALVAGED, AND DISPOSED OF BY ELECTRICAL CONTRACTOR.
- PANELS
 WHERE A PANEL IS TO BE DEMOLISHED, ALL CONDUITS & WIRING ASSOCIATED WITH THE PANEL INCLUDING MAIN FEEDERS & BRANCH CIRCUITS ARE TO BE REMOVED & DISPOSED OF UNLESS OTHERWISE INDICATED.
- TEMPORARY INSTALLATIONS
 EQUIPMENT AND MATERIALS SUPPLIED BY THE CONTRACTOR FOR USE WITH TEMPORARY INSTALLATIONS SHALL BE REMOVED. EQUIPMENT AND MATERIALS SUPPLIED BY THE OWNER FOR USE WITH TEMPORARY INSTALLATIONS SHALL BE REMOVED AND SALVAGED AS SPECIFIED IN THE CONTRACT DOCUMENTS.
- SALVAGE OF EQUIPMENT
 4.1 SALVAGE OF EQUIPMENT
 4.2 DAMAGES
 DUE CARE SHALL BE EXERCISED WHEN REMOVING ELECTRICAL EQUIPMENT AND MATERIALS FOR SALVAGE. EQUIPMENT AND MATERIALS DAMAGED THROUGH IMPROPER HANDLING OR THROUGH LOSS AFTER REMOVAL SHALL BE REPAIRED OR REPLACED.
 PRIOR TO REMOVAL OPERATIONS, THE CONTRACT ADMINISTRATOR SHALL BE NOTIFIED OF ANY EQUIPMENT THAT IS BROKEN OR DETERIORATED TO THE POINT WHERE SALVAGE IS NOT PRACTICAL.
- PACKAGING OF ELECTRICAL EQUIPMENT AND MATERIALS
 ELECTRICAL EQUIPMENT AND MATERIALS THAT HAS BEEN REMOVED FOR FUTURE USE SHALL BE PACKED FOR PROTECTION AGAINST DAMAGE.
 ALL EQUIPMENT OR MATERIAL IN EXCESS OF 100kg SHALL BE SECURELY MOUNTED ON WOODEN PALLETS SUITABLE FOR HANDLING BY FORKLIFT TRUCKS.
- QUALITY CONTROL
 5.1 PRE-REMOVAL TESTING AND INSPECTION
 COMPONENTS SPECIFIED FOR REMOVAL SHALL BE INSPECTED PRIOR TO REMOVAL. IF THE COMPONENTS ARE TO BE SALVAGED FOR REUSE WITHIN THE CONTRACT LIMITS OR FOR STORAGE AT THE OWNER'S PREMISES, THE CONTRACTOR SHALL MAKE A LIST OF ANY IMPERFECTIONS OF THOSE COMPONENTS AND SHALL SUBMIT THE LIST TO THE CONTRACT ADMINISTRATOR 3 BUSINESS DAYS PRIOR TO THE COMMENCEMENT OF REMOVAL.
 5.2 PERFORMANCE TESTING AND INSPECTION
 THE REMOVAL WORK SHALL BE INSPECTED TO ENSURE THAT ALL ELECTRICAL REMOVALS HAVE BEEN CARRIED OUT AND THAT ALL COMPONENTS REQUIRING DISPOSAL HAVE BEEN COMPLETED SO THAT NO SUCH MATERIALS REMAIN ON THE OWNER'S LANDS.
- MANAGEMENT OF EXCESS MATERIAL
 MANAGEMENT OF EXCESS MATERIAL SHALL BE ACCORDING TO THE CONTRACT DOCUMENTS.

THIS DRAWING IS ISSUED AS AN AID TO THE CONTRACTOR AND MAY OR MAY NOT NECESSARILY SHOW ALL DEVICES OR SYSTEMS TO REMAIN OR TO BE REMOVED, RELOCATED OR DISCONNECTED. THIS ELECTRICAL CONTRACTOR SHALL VERIFY ON SITE INFORMATION PROVIDED BEFORE SUBMITTING BID PRICE OR COMMENCING WORK. REPORT ANY DISCREPANCIES TO THE ENGINEER.

CLIENT:
City Of Oshawa

2	IF PERMIT & TENDER	M.A	MAY 05, 26
1	IF 90% REVIEW	M.A	MAR. 17, 26
No.	DESCRIPTION	BY	DATE

REVISIONS

ELECTRICAL
MJA ENGINEERING LTD.
 ELECTRICAL ENGINEERS

556 EDWARD AVENUE, UNIT B2
 RICHMOND HILL, ONTARIO
 L4C 9Y5, CANADA
 PHONE: (905) 780-8590
 EMAIL: engineering@mjaeng.com
 WEB SITE: www.mjaeng.com

- VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
- DO NOT SCALE DRAWINGS.
- REPORT ALL DISCOVERIES OF ERRORS, OMISSIONS OR DISCREPANCIES TO THE ARCHITECT OR DESIGN ENGINEER AS APPLICABLE.
- USE ONLY LATEST REVISED DRAWINGS OR THOSE THAT ARE MARKED "ISSUED FOR CONSTRUCTION" AND SIGNED BY THE ENGINEER.
- THIS DOCUMENT SHALL REMAIN THE PROPERTY OF MJA ENGINEERING LTD. THE CLIENT SHALL BE PERMITTED TO RETAIN COPIES FOR INFORMATION AND REFERENCE ONLY. THIS DOCUMENT CANNOT BE MODIFIED AND/OR REPRODUCED BY OTHERS WITHOUT WRITTEN CONSENT OF MJA ENGINEERING LTD.

PROVINCE OF ONTARIO

M. SHABAN-AHMED
 100514870
 MAY 05, 25

J.R. FREETHY ARCHITECT

329 LAKE ROAD, SUITE 202
 BOWMANVILLE, ONTARIO
 L1C 4P8 TEL: (905) 625-7476

PROJECT:
Oshawa Airport MLES Office Alterations

1200 Airport Blvd, Oshawa, ON L1J 8P5

SCALE: AS NOTED
 DWG. BY: HG
 CHECKED BY: M.A
 STATUS:
 PLOT FACTOR:

TITLE:
DEMOLITION FLOOR PLAN

PROJECT No.: 2026-022
 DATE: MARCH 2026



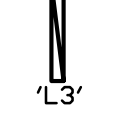
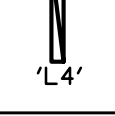

DWG. No.: **E 1.0**


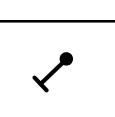
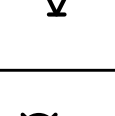
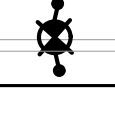
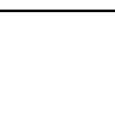
CLIENT:

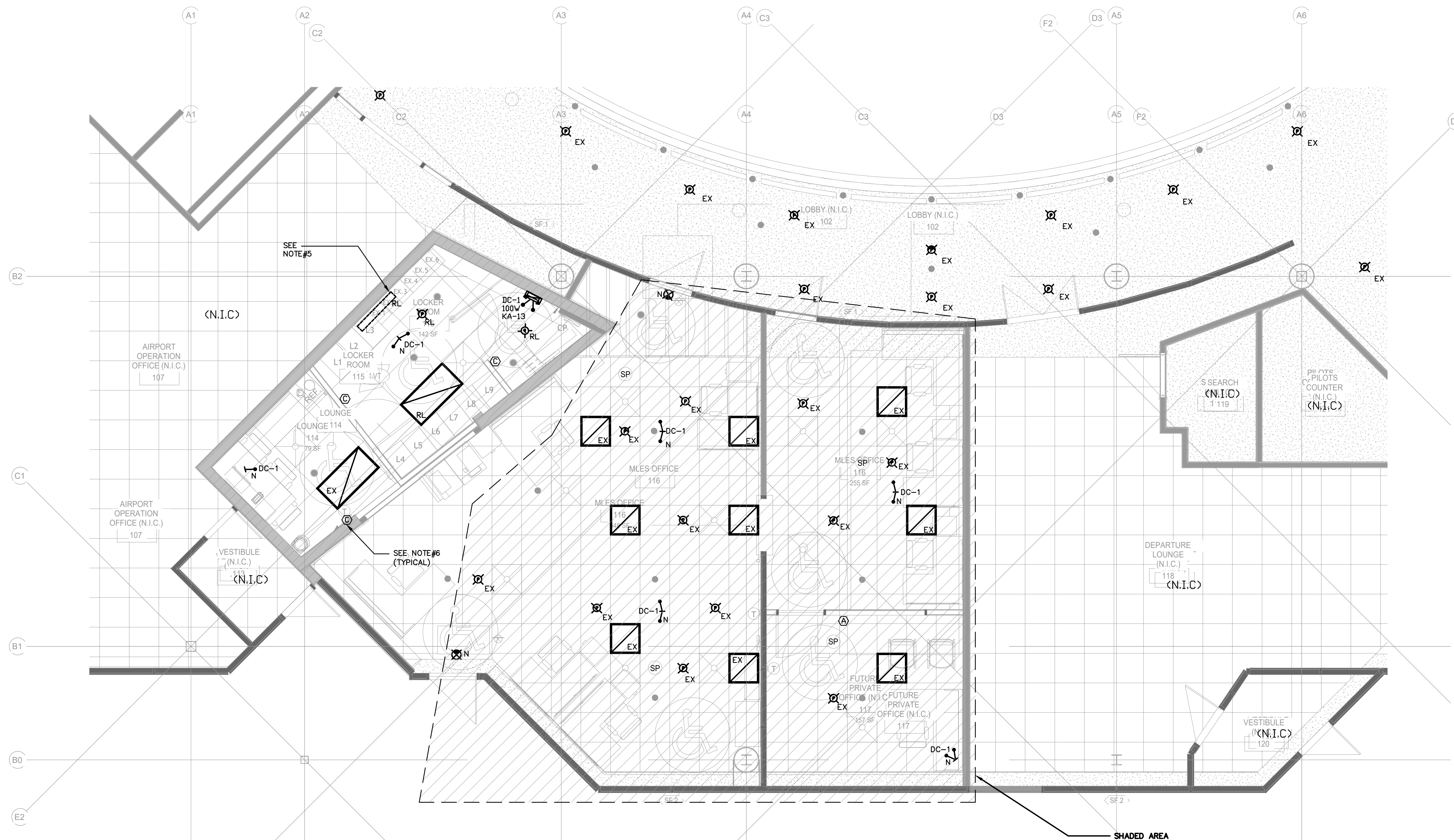
City Of Oshawa

DRAWING NOTES:

- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ARCHITECTURAL & MECHANICAL DRAWINGS. REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCING WORK.
- COORDINATE LOCATION OF SWITCHES AND OCCUPANCY SENSORS ON SITE PRIOR TO INSTALLATION TO AVOID CONFLICT WITH GLASS, DOOR SWINGS, ETC.
- ELECTRICAL CONTRACTOR TO REVIEW CEILING FINISHES ON SITE PRIOR TO ORDERING LIGHT FIXTURES. REPORT ANY DISCREPANCIES TO ENGINEER.
- ALL LIGHT FIXTURES IN T-BAR CEILING SHALL BE SUPPORTED INDEPENDENT OF T-BAR CEILING, TO THE APPROVAL OF THE ESA INSPECTOR (TYPICAL).
- RELOCATE EXISTING LINEAR TO NEW LOCATION AND ADJUST ACCORDINGLY.
- ADJUST LIGHTING CIRCUIT TO PROVIDE LOCAL SWITCHING USING LOCAL CONTROLS AS SHOWN.

OFFICE LIGHTING FIXTURE SCHEDULE	
	2'x4' RECESSED LED LUMINAIRE C/W EXTRUDED ACRYLIC LENS, STANDARD 0-10V DIMMING, SHALLOD DESIGN, 5800 LUMENS, 44W, 4000K 120V & 347V DRIVER RIND-24BLPL-UNV-347-MWMCCT-HL
	SIMILAR TO L1 EXCEPT 2'x2' REND-22BLPL-DV-MW-MCCT
	4' LINEAR LED LUMINAIRE SUITABLE FOR SURFACE MOUNTED ON T-BAR C/W EXTRUDED ACRYLIC LENS, STANDARD 0-10V DIMMING, 4000 LUMENS, 39W, 4000K & 120-347V DRIVER LITHONIA SPITZER STPH2 4 52LC C 40K JOINER V-Hook
	SIMILAR TO L3 EXCEPT C/W OCCUPANCY SENSOR.
	6" DIAMETER RECESSED LED DOWNLIGHT, CLEAR SPECULAR REFLECTOR, WHITE TRIM, 1000-5000 SELECTABLE LUMENS, 120V SUITABLE FOR DRYWALL INSTALLATION. RIND-DL6-MV-DV-MCCT-G2

EMERGENCY LIGHTING FIXTURE SCHEDULE:	
	EMERGENCY BATTERY UNIT (SIZE AS INDICATED ON DRAWING) C/W RUGGED STEEL CABINET, SEALED BUST-PROOF TRANSFER RELAY, TEST SWITCH, LED INDICATOR LIGHTS AND 7W LED LAMPS. EMERGI-LITE OR APPROVED EQUAL.
	SINGLE OR DOUBLE EMERGENCY 2W LED LAMPS AS INDICATED ON DRAWING. EMERGI-LITE OR APPROVED EQUAL.
	COMBINATION EXIT SIGN/EMERGENCY HEADLAMPS C/W 2 2W LED LAMPS. EMERGI-LITE OR APPROVED EQUAL.
	SIMILAR TO ABOVE BUT DOUBLE FACE.
	EDGE LIT RUNNING MAN LED EXIT LIGHT, UNIVERSAL SURFACE MOUNTED (WALL OR CEILING) (120/347V) BEGHELLI CURVA RM



LIGHTING CONTROL SCHEDULE:

- (A) WALL MOUNTED DIGITAL PIR TECHNOLOGY OCCUPANCY SENSOR WITH 0-10V DIMMING, 120 VOLT, SET TO MANUAL 'ON' AND AUTOMATIC 'OFF' (20 MIN. 'OFF' DELAY), WATTSTOPPER CAT.# PW-311-120-W OR APPROVED EQUAL.
- (B) CEILING MOUNTED DIGITAL ULTRASONIC TECHNOLOGY OCCUPANCY SENSOR WITH 20 MIN. 'OFF' DELAY.
WATTSTOPPER CAT.# LMC-100 OR APPROVED EQUAL.
- (C) WALL MOUNTED PIR TECHNOLOGY OCCUPANCY SENSOR 120 VOLT, SET TO MANUAL 'ON' AND AUTOMATIC 'OFF' (20 MIN. 'OFF' DELAY)
WATTSTOPPER CAT.# PW-100-120-W OR APPROVED EQUAL.
- (D) CEILING MOUNTED LINE VOLTAGE ULTRASONIC TECHNOLOGY OCCUPANCY SENSOR WITH 20 MIN 'OFF' DELAY
WATT STOPPER CAT.# UT-355-3 OR APPROVED EQUAL.
- (E) DIGITAL WALL SWITCH WITH 2 BUTTON.
WATTSTOPPER CAT.# LMSV-102-W OR APPROVED EQUAL.
- (F) DIGITAL WALL SWITCH WITH 6 BUTTON.
WATTSTOPPER CAT.# LMSV-106-W OR APPROVED EQUAL.
- (G) LIGHT SENSOR.
WATTSTOPPER CAT.# MLS-500 OR APPROVED EQUAL.
- (RC1) DIGITAL ROOM CONTROLLER WITH 1 RELAY, 0-10V DIMMING.
WATTSTOPPER CAT.# LMRC-211-120V C/W LMBC 650 WIRELESS MODULE DR APPROVED EQUAL.
- (RC2) DIGITAL ROOM CONTROLLER WITH 2 RELAY, 0-10V DIMMING.
WATTSTOPPER CAT.# LMRC-212-120V C/W LMBC 650 WIRELESS MODULE DR APPROVED EQUAL.
- (RC3) DIGITAL ROOM CONTROLLER WITH 3 RELAY, 0-10V DIMMING.
WATTSTOPPER CAT.# LMRC-213-120V C/W LMBC 650 WIRELESS MODULE DR APPROVED EQUAL.
- (S) TOGGLE SWITCH ONE WAY.
3 - DENOTES TO 3 WAY.

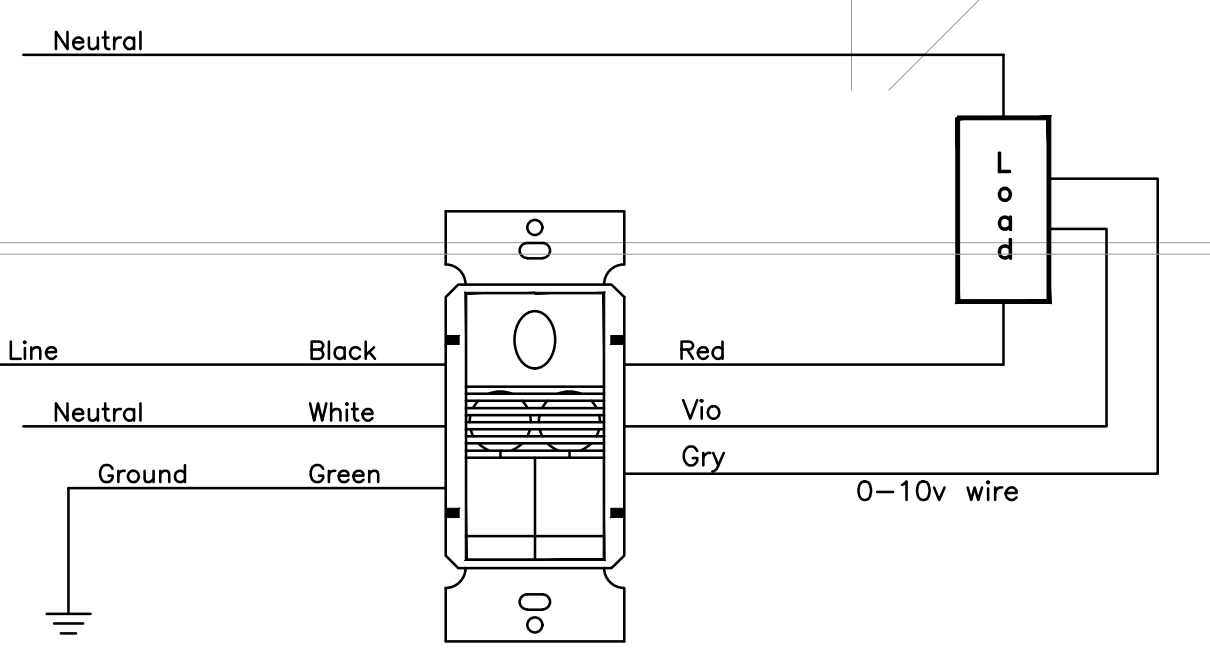
LIGHTING CONTROL ZONING SCHEDULE

SPACE TYPE	MANUAL CONTROL	RESTRICTED TO MANUAL 'ON'	BI-LEVEL (1)	AUTOMATIC FULL OFF
HALL	X	-	-	X
OFFICE (PRIVATE)	X	X	X	X
OFFICE OPEN AREA	X	X	X	X
WASHROOM	X	-	-	X
MEETING ROOM	X	X	X	X
LUNCH ROOM	X	X	X	X

NOTES:
 (1) ZONES SHALL DIM LIGHTING CONTINUOUSLY BY SWITCH.
 X THIS LIGHTING CONTROL TO BE IMPLEMENTED IN THIS SPACE TYPE.
 - THIS LIGHTING CONTROL NOT REQUIRED IN THIS SPACE TYPE.

LIGHTING CONTROL NOTES:

- EXACT ROUTING OF ALL CONDUITS AND WIRING TO BE COORDINATED ON SITE WITH SITE SUPERVISOR PRIOR TO COMMENCING WORK.
- ALL WIRING IN EXPOSED SPACES SHALL BE RUN IN CONDUIT. ALL CONDUITS SHALL BE C/W PULL ROPE.
- PROVIDE FIRE STOP SEALANT AT ALL PENETRATIONS THRU FIRE RATED WALL & FLOORS. SEE WALL SCHEDULE ON ARCHITECTURAL DRAWINGS.
- WIRING DIAGRAM SHOWN IS SCHEMATIC ONLY. REFER TO FLOOR PLANS FOR THE EXACT QUANTITY AND LOCATION OF DEVICES.
- LIGHTING CONTROL ZONING AND SCHEDULE SHALL MEET 2015 NATIONAL ENERGY CODE OF CANADA FOR BUILDINGS. ZONES INDICATED ON THE DRAWINGS TO BE CONTROLLED AS PER TABLE BELOW FOR EACH SPACE.
- PROVIDE 0-10V CONTROL WIRING FROM ALL ROOM CONTROLLERS TO LIGHT FIXTURES IN THE CORRESPONDING ZONE. SEE TYPICAL WIRING.
- ELECTRICAL CONTRACTOR TO PROVIDE ALL REQUIRED EQUIPMENT, CONDUIT & WIRING & CONNECTION FOR A FULLY OPERATIONAL LIGHTING CONTROL SYSTEMS SPECIFIED IN THESE DRAWINGS. INCLUDE FOR ALL COMMISSIONING, TESTING AND TRAINING AS REQUIRED. INCLUDE FOR ONE (1) CONFIGURATION TOOL. WATTSTOPPER CAT.# LMC-100 OR APPROVE EQUAL TO BE HANDED OVER TO OWNER. PROVIDE COMPLETE TRAINING FOR OPERATION OF THE TOOL AS REQUIRED.
- SWITCH CONNECTED IN PARALLEL WITH OCCUPANCY SENSOR TO ACHIEVE 3 WAY OPERATION.

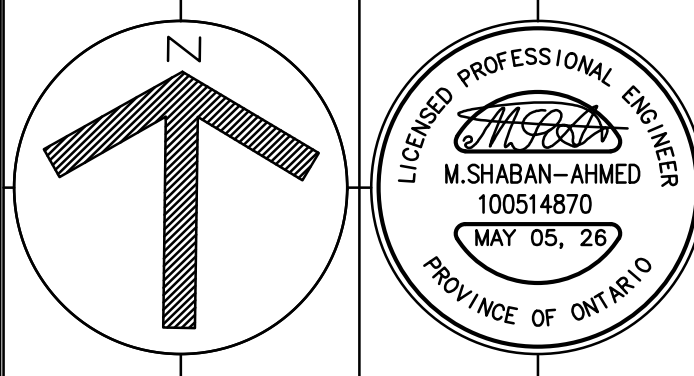


OCCUPANCY SENSOR TYPE 'A' WIRING DIAGRAM: N.T.S.

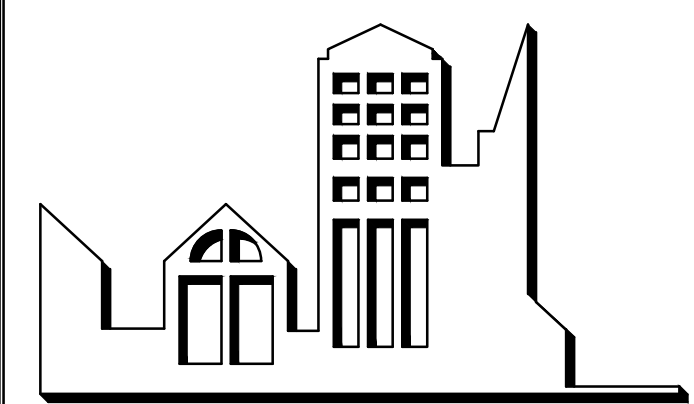
MJA ENGINEERING LTD.
 ELECTRICAL ENGINEERS

556 EDWARD AVENUE, UNIT B2
 RICHMOND HILL, ONTARIO
 L4C 9Y5, CANADA
 PHONE: (905) 780-8590
 EMAIL: engineering@mjaeng.com
 WEB SITE: www.mjaeng.com

- VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
- DO NOT SCALE DRAWINGS.
- REPORT ALL DISCOVERIES OF ERRORS, OMISSIONS OR DISCREPANCIES TO THE ARCHITECT OR DESIGN ENGINEER AS APPLICABLE.
- USE ONLY LATEST REVISED DRAWINGS OR THOSE THAT ARE MARKED "ISSUED FOR CONSTRUCTION" AND SIGNED BY THE ENGINEER.
- THIS DOCUMENT SHALL REMAIN THE PROPERTY OF MJA ENGINEERING LTD. THE CLIENT SHALL BE PERMITTED TO RETAIN COPIES FOR INFORMATION AND REFERENCE ONLY. THIS DOCUMENT CANNOT BE MODIFIED AND/OR REPRODUCED BY OTHERS WITHOUT WRITTEN CONSENT OF MJA ENGINEERING LTD.



J.R. FREETHY ARCHITECT



329 LAKE ROAD, SUITE 202
 BOWMANVILLE, ONTARIO
 L1C 4P8 TEL: (905) 625-7476

PROJECT:

Oshawa Airport MLES Office Alterations

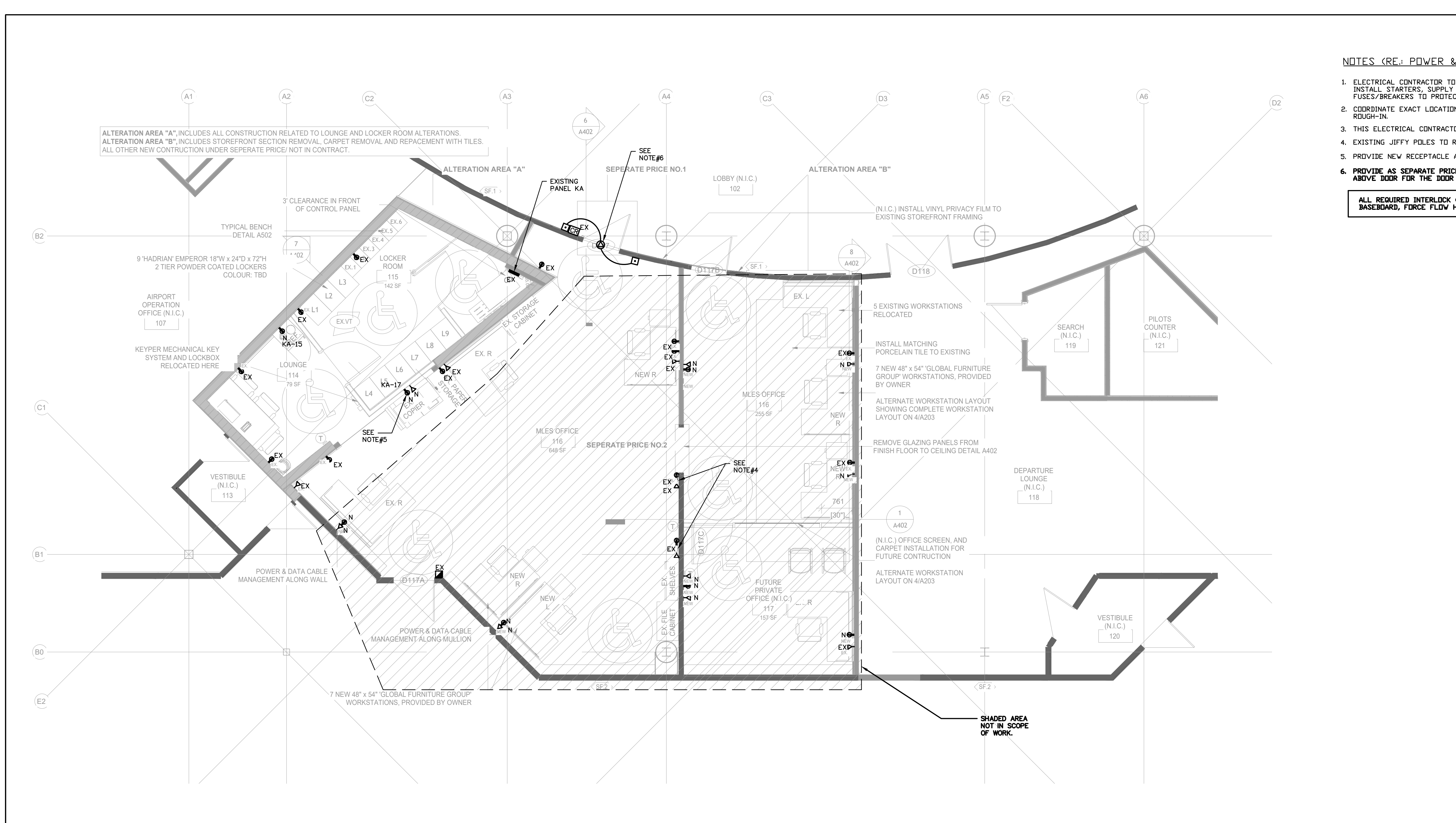
1200 Airport Blvd, Oshawa, ON L1J 8P5

SCALE:
 DWG. BY: HG
 CHECKED BY: M.A
 STATUS:
 PLOT FACTOR:

TITLE:
NEW WORK LIGHTING FLOOR PLAN

PROJECT No.:
2026-022
 DATE: MARCH 2026

DWG. No.:
E 2.0



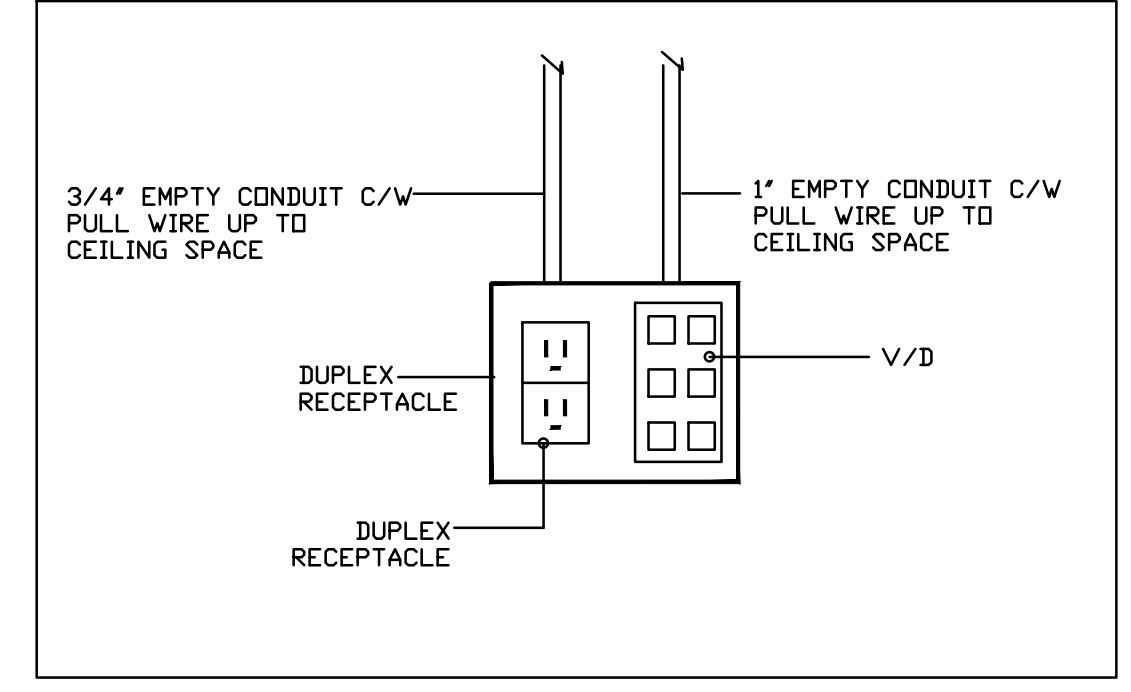
NOTES (RE: POWER & COMMUNICATION PLAN):

- ELECTRICAL CONTRACTOR TO VERIFY EXACT ELECTRICAL REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR. INSTALL STARTERS, SUPPLY & INSTALL SWITCHES, ETC., AS REQUIRED AND MAKE ALL CONNECTIONS. PROVIDE RECOMMENDED FUSES/BREAKERS TO PROTECT EQUIPMENT AND WIRING TO SUIT. REPORT DISCREPANCIES TO ENGINEER. (TYPICAL)
 - COORDINATE EXACT LOCATIONS AND MOUNTING HEIGHT OF ALL OUTLETS WITH ARCHITECT AND CLIENT REPRESENTATIVE PRIOR TO ROUGH-IN.
 - THIS ELECTRICAL CONTRACTOR TO LABEL ALL EXISTING AND NEW RECEPTABLES TO INDICATE THE FEEDING CIRCUITS.
 - EXISTING JIFFY POLES TO REMAIN AS IS.
 - PROVIDE NEW RECEPTABLE AND DATA ROUGH-INS COMPRISING 3/4" E.C STUB UP INTO CEILING SPACE.
 - PROVIDE AS SEPARATE PRICE TO PROVIDE 15A, 120V CONNECTION TO DOOR OPERATOR COMPRISING 3/4" E.C TO 4"x4" JUNCTION BOX ABOVE DOOR FOR THE DOOR OPERATOR INSTALLER USE.
- ALL REQUIRED INTERLOCK (120V OR LOW VOLTAGE) AND SEQUENCE OF OPERATION OF MOTORIZED DAMPERS, ROOF TOP UNITS, BASEBOARD, FORCE FLOW HEATERS, REVERSE ACTING THERMISTATS & EXHAUST FANS IS BY OTHERS.

S/N	
* EXISTING SERVICES	(05A-1P) 1
* EXISTING SERVICES	(05A-1P) 2
* EXISTING SERVICES	(05A-1P) 3
* EXISTING SERVICES	(05A-1P) 4
* EXISTING SERVICES	(05A-1P) 5
* EXISTING SERVICES	(05A-1P) 6
* EXISTING SERVICES	(05A-1P) 7
* EXISTING SERVICES	(05A-1P) 8
* EXISTING SERVICES	(05A-1P) 9
* EXISTING SERVICES	(05A-1P) 10
* EXISTING SERVICES	(05A-1P) 11
* EXISTING SERVICES	(05A-1P) 12
* BATTERY UNIT.	(05A-1P) 13
** RECEPT.	(05A-1P) 15
** DOOR RECEPT.	(05A-1P) 17
** DOOR OPERATOR	(05A-1P) 19
SPARE	(05A-1P) 21
SPARE	(05A-1P) 23
SPARE	(05A-1P) 25
SPARE	(05A-1P) 27
SPARE	(05A-1P) 29
SPARE	(05A-1P) 31
SPARE	(05A-1P) 33
SPARE	(05A-1P) 35
SPARE	(05A-1P) 37
SPARE	(05A-1P) 39
SPARE	(05A-1P) 41
* EXISTING SERVICES	(05A-1P) 2
* EXISTING SERVICES	(05A-1P) 4
* EXISTING SERVICES	(05A-1P) 6
* EXISTING SERVICES	(05A-1P) 8
* EXISTING SERVICES	(05A-1P) 10
* EXISTING SERVICES	(05A-1P) 12
* EXISTING SERVICES	(05A-1P) 14
* EXISTING SERVICES	(05A-1P) 16
* EXISTING SERVICES	(05A-1P) 18
* EXISTING SERVICES	(05A-1P) 20
* EXISTING SERVICES	(05A-1P) 22
* EXISTING SERVICES	(05A-1P) 24
* EXISTING SERVICES	(05A-1P) 26
* EXISTING SERVICES	(05A-1P) 28
* EXISTING SERVICES	(05A-1P) 30
* EXISTING SERVICES	(05A-1P) 32
* EXISTING SERVICES	(05A-1P) 34
* EXISTING SERVICES	(05A-1P) 36
* EXISTING SERVICES	(05A-1P) 38
* EXISTING SERVICES	(05A-1P) 40
* EXISTING SERVICES	(05A-1P) 42

EXISTING PANEL 'KA'
225 AMP, 120/208V, 3Φ, 4W

- NOTES (RE: PANEL SCHEDULES)**
- * EXISTING CIRCUITS TO REMAIN AS IS.
 - ** DENOTES NEW SERVICE CONNECTED TO NEW BREAKER, BREAKER TO MATCH EXISTING IN TYPE AND MANUFACTURER.
 - *** DENOTES NEW SERVICE CONNECTED TO EXISTING BREAKER.
- UPDATE PANEL DIRECTORY BY TYPED DIRECTORY TO REFLECT NEW CIRCUITS ADDED.



TYPICAL POWER (DUPLIX RECEPTACLE) & DATA OUTLET DETAIL
SYMBOLS ON DRAWING:

CLIENT:
City Of Oshawa

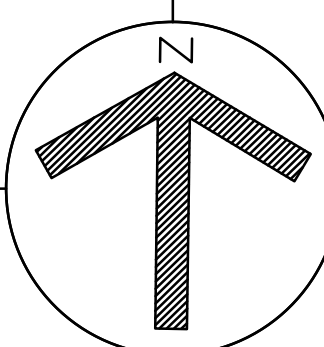

2	IF PERMIT & TENDER	M.A	MAY 05, 26
1	IF 90% REVIEW	M.A	MAR. 17, 26
No.	DESCRIPTION	BY:	DATE.

REVISIONS

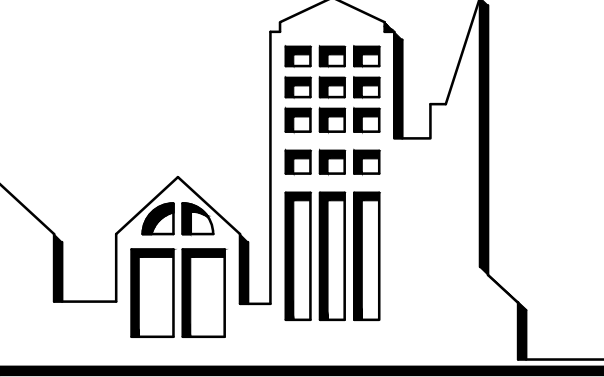
ELECTRICAL:
MJA ENGINEERING LTD.
ELECTRICAL ENGINEERS

556 EDWARD AVENUE, UNIT B2
RICHMOND HILL, ONTARIO
L4C 9Y5, CANADA
PHONE: (905) 780-8590
EMAIL: engineering@mjaeng.com
WEB SITE: www.mjaeng.com

- VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
- DO NOT SCALE DRAWINGS.
- REPORT ALL DISCOVERIES OF ERRORS, OMISSIONS OR DISCREPANCIES TO THE ARCHITECT OR DESIGN ENGINEER AS APPLICABLE.
- USE ONLY LATEST REVISED DRAWINGS OR THOSE THAT ARE MARKED "ISSUED FOR CONSTRUCTION" AND SIGNED BY THE ENGINEER.
- THIS DOCUMENT SHALL REMAIN THE PROPERTY OF MJA ENGINEERING LTD. THE CLIENT SHALL BE PERMITTED TO RETAIN COPIES FOR INFORMATION AND REFERENCE ONLY. THIS DOCUMENT CANNOT BE MODIFIED AND/OR REPRODUCED BY OTHERS WITHOUT WRITTEN CONSENT OF MJA ENGINEERING LTD.

J.R. FREETHY ARCHITECT



329 LAKE ROAD, SUITE 202
BOWMANVILLE, ONTARIO
L1C 4P8 TEL: (905) 625-7476

PROJECT:
Oshawa Airport MLES Office Alterations
1200 Airport Blvd, Oshawa, ON L1J 8P5

SCALE:	
DWG. BY:	HG
CHECKED BY:	M.A
STATUS:	
PLOT FACTOR:	

TITLE:
NEW WORK POWER

PROJECT No.:	DWG. No.:
2026-022	E 2.1
DATE: MARCH 2026	