

LIGHT FIXTURE SCHEDULE			
TAG	DESCRIPTION	MAKE / MODEL	ALTERNATE
LS	EXISTING LIGHT SWITCH	EXISTING	N/A
OS	EXISTING WALL/CORNER MOUNTED OCCUPANCY SENSOR	EXISTING	N/A
A	RECESSED FLAT PANEL 2x4 LED LUMINAIRE, DIFFUSE LENS, 4200 LUMENS, 4000K, 120V 0-10V DIMMING	VISIONEERING LRTL2X4-LED-8040K060LUNV	LITHONIA PEERLESS-ELECTRIC COOPER CREE LIGHTING
S1	SURFACE MOUNTED 4' LED STRIP LIGHT 120V, 4000K, 40L	SIGNIFY FSS440L840-UNV-DIM	

EMERGENCY LIGHTING SCHEDULE		
TAG	DESCRIPTION	MAKE / MODEL
EL	EXISTING CEILING MOUNTED REMOTE SINGLE HEAD LED EMERGENCY LIGHT	EXISTING

ELECTRICAL ABBREVIATIONS	
EX	EXISTING TO REMAIN
D	EXISTING TO BE REMOVED C/W CONDUIT/WIRING BACK TO SOURCE
WG	PROVIDE WIRE GUARD OR VANDAL COVER
RL	EXISTING TO BE RELOCATED. EXTEND FEED AS REQUIRED.
#	QUANTITY OF DEVICES
C/W	COMPLETE WITH

POWER LEGEND		
TAG	DESCRIPTION	MAKE/MODEL
Φ	EXISTING 15A 120V 1PH GROUNDED DUPLEX RECEPTACLE	EXISTING
⊕	EXISTING 15A 120V 1H GROUNDED QUAD RECEPTACLE	EXISTING
JB	EXISTING JUNCTION BOX	EXISTING
S	EXISTING EXHAUST FAN SWITCH	EXISTING
TR	20A 120V 1PH T-SLOT GROUNDED DUPLEX RECEPTACLE, TAMPER RESISTANT C/W STAINLESS STEEL COVER PLATE.	HUBBELL GFTR20W OR EQUAL
ED	ELEVATOR DISCONNECT C/W AUXILIARY CONTACT	EQUAL TO EATON 1HD221N C/W DS16CP
DS	DISCONNECT SWITCH 'WP' DENOTES WEATHERPROOF	EQUAL TO EATON HD SERIES
MS	MANUAL MOTOR STARTER, RATED TO SUIT LOAD.	EQUAL TO SIEMENS SMFFG71P
3P	208V 3PH GROUNDED DIRECT EQUIPMENT CONNECTION	N/A
1P	120V 1PH GROUNDED DIRECT EQUIPMENT CONNECTION	N/A

COMMUNICATIONS LEGEND		
TAG	DESCRIPTION	MAKE/MODEL
◇	P. A. TELEPHONE	EXISTING
▽	DATA ONLY OUTLET BOX - WALL BOX, OUTLET & 3/4" CONDUIT C/W PULL STRING UP WALL TO CEILING SPACE	EXISTING
AP	ACCESS POINT	EXISTING
▽	VOICE ONLY OUTLET BOX - WALL BOX, OUTLET & 3/4" CONDUIT C/W PULL STRING UP WALL TO CEILING SPACE	N/A

FIRE ALARM LEGEND	
⊠	EXISTING FIRE ALARM MINI-HORN
FACP	EXISTING FIRE ALARM CONTROL PANEL
⊙	HEAT DETECTOR FIXED TEMPERATURE
⊙	SMOKE DETECTOR C/W INDICATION LIGHT
## cd	STROBE ONLY. '##' DENOTES STROBE CANDELA RATING. PROVIDE 15cd UNLESS OTHERWISE NOTED.

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No.	Date	Description	L.C.	By
0	2026-03-16	ISSUED FOR PERMIT & TENDER		

STAMPS:

DESIGNED BY: [Signature]
 APPROVED BY: [Signature]

CONSULTANT(S):

ENGINEER:

 415 Baseline Rd W 2nd Floor
 Bowmanville, ON L1C 5M2
 T 905.697.4464
 www.cima.ca

CLIENT:
WAVERLY PS
 100 WAVERLY ST S, OSHAWA, ON
 L1J 5V1

PROJECT NAME:
**WAVERLY P.S.
 ELEVATOR RENOVATION**

SHEET TITLE:
LEGENDS

DISCIPLINE: ELECTRICAL	
DRAFTER: JB	SCALE: AS NOTED
DESIGNER: LC	DATE: 2026-03-16
APPROVER: LC	CHECKER: LC
PROJECT No: A0001199	DRAWING No: E-001
SHEET No: 1 of 7	

ELEVATOR FIRE ALARM SCOPE OF WORK:

- 1. PROVIDE SMOKE DETECTORS IN EACH LOBBY/LANDING OUTSIDE ELEVATOR WITH WIRING FROM THE SENSING DEVICES TO THE CONTROLLER(S) DESIGNATED RETURN LANDING.
2. PROVIDE NORMALLY OPEN (OR NORMALLY CLOSED) CONTACT REPRESENTING THE FIRE DETECTOR AT THE DESIGNATED RETURN LANDING AND FROM THE SENSING DEVICE IN THE PIT TO THE ELEVATOR CONTROLLER.
3. PROVIDE NORMALLY OPEN (OR NORMALLY CLOSED) CONTACT REPRESENTING ALL FIRE DETECTORS LOCATED IN ELEVATOR LOBBIES, BUT NOT THE FIRE DETECTOR AT THE DESIGNATED RETURN LANDING (SEE ABOVE) AND FROM THE SENSING DEVICE AT THE TOP OF THE HOISTWAY TO THE ELEVATOR CONTROLLER.
4. PRVIDE A NORMALLY OPEN (OP NORMALLY CLOSED) CONTACT REPRESENTING THE FIRE DETECTOR IN THE ELEVATOR MACHINE ROOM.
5. THE FIRE DETECTOR LOCATED IN THE ELEVATOR MACHINE ROOM SHALL BE WIRED TO ACTIVATE SAME CONTACT AS THE FIRE DETECTOR AT THE DESIGNATED LANDINGS.
6. ALL RELAYS FOR ELEVATOR RECALL SHALL BE MOUNTED IN THE ELEVATOR MACHINE ROOM IN A DEDICATED CABINET PAINTED RED AND LABELLED ACCORDINGLY.
7. COORDINATE ALL REQUIREMENTS WITH ELEVATOR CONTRACTOR PRIOR TO INSTALLATION.
8. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING ALL ELEVATOR POWER AND FIRE ALARM REQUIREMENTS WITH ELEVATOR SHOP DRAWINGS AND ELEVATOR MANUFACTURER.
9. ELEVATOR INTERLOCK TO FIRE ALARM SYSTEM INCLUDING ELEVATOR RECALL MUST BE VERIFIED AS PER S1001 TESTING REQUIREMENTS. REFER TO S1001 TESTING REQUIREMENT IN FIRE ALARM SCOPE OF WORK.

FIRE ALARM SCOPE OF WORK:

- 1. EXISTING FIRE ALARM CONTROL PANEL IS SIMPLEX 4100ES.
2. PROVIDE NEW FIRE ALARM ZONE FOR NEW ELEVATOR SHAFT AND FOR NEW ELEVATOR MACHINE ROOM.
3. FIRE ALARM MANUFACTURER TO ATTEND SITE PRIOR TO PRICING TO REVIEW EXISTING SYSTEM FOR CONFORMANCE WITH NEW PROPOSED DEVICES. FIRE ALARM MANUFACTURER TO INCLUDE FOR ALL LABOUR AND COMPONENTS REQUIRED TO CONNECT EXISTING DEVICES TO EXISTING FIRE ALARM CONTROL PANEL IN CONFORMANCE WITH ALL APPLICABLE CODES. ALLOW FOR WIRING BACK TO FIRE ALARM CONTROL PANEL TO SUPPORT NEW ZONE IF REQUIRED.
4. INSTALL NEW ADDRESSABLE DEVICES OF TYPE AS INDICATED ON DRAWINGS.
5. PROVIDE NEW PASSIVE GRAPHIC TO REFLECT BUILDING LAYOUT CHANGES. OBTAIN THE SERVICES OF THE FIRE ALARM MANUFACTURER FOR ANY PROGRAMMING CHANGES. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND POSTING A TEMPORARY FIRE ALARM GRAPHIC, TO THE SATISFACTION OF AUTHORITIES HAVING JURISDICTION AND THE CONSULTANT, WHERE THE PERMANENT FIRE ALARM GRPAHIC IS NOT COMPLETE AND POSTED FOR OCCUPANCY.
6. ALL DEVICE AND SIGNAL CIRCUITS TO BE WIRED TO MATCH EXISTING.
7. PROVIDE ISOLATOR MODULES AT ALL FIRE SEPARATIONS INCLUDING BUT NOT LIMITED TO STAIRWELLS AND ELEVATOR SHAFTS. LOCATION AND QUANTITY OF ISOLATORS TO BE COORDINATED WITH MANUFACTURER.
8. LABELING:
.1 PAINT ALL FIRE ALARM JUNCTION BOXES RED. IDENTIFY EACH JUNCTION BOX AS EITHER SIGNAL OR INITIATING CIRCUIT.
.2 LABEL ALL POWER JUNCTION BOXES WITH PANEL AND CIRCUIT NUMBER.
.3 BREAKER FOR FACP AND FIRE COMMUNICATOR SHALL BE LOCKED AND PAINTED RED.
9. SUBMIT SHOP DRAWINGS ELECTRONICALLY IN PDF FORMAT FOR THE COMPLETE FIRE ALARM SYSTEM INCLUDING FIRE ALARM CONTROL PANEL, ANNUNCIATOR, DETECTORS, PULL STATIONS, AUDIBLE & VISUAL DEVICES, MODULES, ALL OTHER DEVICES AND ASSOCIATED COMPONENTS TO THE CONSULTANT FOR REVIEW.
10. ELECTRICAL CONTRACTOR TO INCLUDE IN BASE PRICE COORDINATING WITH S1001 CONSULTANT AND LABOUR ASSOCIATED WITH S1001 CONSULTANT TO CONDUCT THE S1001 TESTING AND VERIFICATION AS REQUIRED BY THE OBC AND APPLICABLE STANDARD. S1001 CONSULTANT WILL BE CARRIED UNDER A CASH ALLOWANCE.
11. TEST AND VERIFY THE FIRE ALARM SYSTEM IN CONFORMANCE WITH CAN/ULC-S537-M "STANDARD FOR THE VERIFICATION OF FIRE ALARM SYSTEMS" TO ENSURE SATISFACTORY OPERATION. VERIFICATION TO BE COMPLETED BY FIRE ALARM MANUFACTURER.
12. PROVIDE VERIFICATION REPORT TO THE CONSULTANT FOR REVIEW. SUBMIT FINAL COPY OF REPORT TO THE BUILDING DEPARTMENT/FIRE PREVENTION.

FIRE ALARM SPECIFICATIONS:

- 1. THE CONTRACTOR SHALL RELOCATE OR FURNISH NEW LABOUR, SERVICES AND MATERIALS NECESSARY TO PROVIDE A COMPLETE, FUNCTIONAL LIFE SAFETY FIRE SYSTEM. THE SYSTEM SHALL COMPLY IN ALL RESPECTS WITH ALL PERTINENT CODES, RULES, REGULATIONS AND LAWS OF THE LOCAL JURISDICTION. THE SYSTEM SHALL COMPLY IN ALL RESPECTS WITH THE REQUIREMENTS OF THE SPECIFICATIONS, MANUFACTURERS RECOMMENDATIONS AND UNDERWRITERS LABORATORIES OF CANADA (ULC) LISTINGS. ALL COMPONENTS SHALL BE ULC LISTED.
2. THE EQUIPMENT AND INSTALLATION SHALL COMPLY WITH THE CURRENT PROVISIONS OF THE FOLLOWING CODES AND STANDARDS:
.1 LOCAL AND PROVINCIAL BUILDING CODES
.2 LOCAL AND PROVINCIAL FIRE CODES
.3 LOCAL, PROVINCIAL AND CANADIAN ELECTRICAL CODES
.4 NFPA 72 - NATIONAL FIRE ALARM CODE
.5 NFPA 101 - LIFE SAFETY CODE
.6 CANULC-S524 AND OTHER APPLICABLE ULC STANDARDS
.7 AUTHORITY HAVING JURISDICTION
3. THE FIRE ALARM SYSTEM AS A WHOLE - INCLUDING BUT NOT LIMITED TO ALL INITIATING DEVICES, HORNS, STROBES, AND ELECTRONICS, AND FIRE COMMUNICATOR WILL BE UNDER A FULL REPLACEMENT WARRANTY FOR A PERIOD OF TWO (2) YEARS REGARDLESS OF THE NUMBER OF FAILURES THAT ANY ONE DEVICE OR COMPONENT EXPERIENCES. THE WARRANTY WILL INCLUDE THE TOTAL COST OF THE SERVICE VISIT TO RETURN THE SYSTEM TO NORMAL OPERATION. THE TOTAL COST WILL INCLUDE BUT NOT LIMITED TO LABOUR, PARTS, TRUCK TIME, ADMINISTRATION, ETC. THE FIRE ALARM MANUFACTURER/INSTALLER WILL GURANTEE SAME DAY SERVICE TO ALL CALLS PLACED DURING WARRANTY PERIOD.
4. FIRE DETECTOR MOUNTING:
.1 FIRE DETECTORS SHALL NOT BE LOCATED CLOSER THAN 1000mm HORIZONTALLY FROM TIP OF A CEILING SUSPENDED (PADDLLE) FAN OR CEILING MOUNTED UNIT HEATER MEASURED TO THE EDGE OF THE DETECTOR.
.2 FIRE DETECTORS SHALL NOT BE LOCATED CLOSER THAN 450mm FROM ANY SUPPLY OUTLET OR EXHAUST OUTLET AS MEASURED TO THE EDGE OF THE DETECTOR.
5. DEVICE MOUNTING HEIGHT:
.1 PULL STATION(S) TO BE MOUNTED 45" (1150mm) A.F.F. TO CENTER OF DEVICE.
.2 WALL MOUNTED AUDIBLE SIGNAL TO BE MOUNTED MINIMUM 6 (150mm) BELOW CEILING AND NO LESS THAN 90" (2300mm) A.F.F. TO THE TOP OF THE DEVICE.
.3 STROBE(S) TO BE MOUNTED SO THAT ENTIRE LENS IS 78" - 94" (2000mm - 2400mm) A.F.F.
.4 COMBINATION HORN/STROBE(S) SHALL CONFORM TO BOTH 5.2 AND 5.3
.5 END OF LINE RESISTORS TO BE MOUNTED LESS THAN 70 (1800mm) A.F.F.
6. CONDUIT AND WIRE:
.1 WIRING SHALL BE IN ACCORDANCE WITH LOCAL, PROVINCIAL AND NATIONAL CODES, AND AS RECOMMENDED BY THE MANUFACTURER OF THE FIRE ALARM SYSTEM.
.2 NUMBER AND SIZE OF CONDUCTORS SHALL BE AS RECOMMENDED BY THE FIRE ALARM SYSTEM MANUFACTURER, BUT NOT LESS THAN 18AWG (1.02 MM) FOR INITIATING DEVICE CIRCUITS AND SIGNALING LINE CIRCUITS, AAND 14AWG (1.63 MM) FOR NOTIFICATION APPLIANCE CIRCUITS (UNLESS OTHERWISE DIRECTED BY THE MANUFACTURER).
.3 ALL WIRE AND CABLE SHALL BE LISTED AND/OR APPROVED BY A RECOGNIZED TESTING AGENCY FOR USE WITH A PROTECTIVE SIGNALING SYSTEM.
.4 ALL FIELD WIRING SHOULD BE ELCTRICALLY SUPERVISED FOR OPEN CIRCUIT AND GROUND FAULT.
.5 ALL WIRING SHALL BE INSTALLED IN CONDUIT. PROVIDE WIREMOLD FOR ALL WIRING IN EXPOSED AREAS: ALL SURFACE MOUNTED CONDUIT MUST BE APPROVED BY OWNER OR CONSULTANT PRIOR TO INSTALLATION.
.6 WIRE AND CABLE NOT INSTALLED IN CONDUIT SHALL HAVE A FIRE RESISTANCE RATING SUITABLE FOR THE INSTALLATION AS INDICATED IN NFPA 70 (E.G. FLPR) AS PER OBC.
.7 ALL JUNCTION BOXES SHALL BE PAINTED RED AND IDENTIFIED AS SIGNAL OR INITIATING. ALL LBS SHALL BE PAINTED RED. ANY CONDUIT LENGTH EXCEEDING 10' (3m) SHALL HAVE COUPLING PAINTED RED FOR IDENTIFICATION.
7. SURFACE DEVICES AND EXPOSED CONDUIT:
.1 ALL SURFACE MOUNTED CONDUIT MUST BE APPROVED BY OWNER OR CONSULTANT PRIOR TO INSTALLATION.
.2 PROVIDE WIREMOLD (PANDUIT) FOR ALL WIRING IN EXPOSED AREAS.
.3 ANY SURFACE BOXES SHALL BE 'FS' (NO KNOCKOUTS) AND BE PRE-APPROVED BY OWNER OR CONSULTANT.

ELECTRICAL NOTES:

- 1. ALL WORK SHALL CONFORM TO ESA REQUIREMENTS.
2. PROVIDE CHAINS FOR ALL LIGHT FIXTURES. CHAINS SHALL BE PROVIDED AT ALL FOUR CORNERS.
3. PROVIDE JUNCTION BOXES C/W COVERPLATES AS REQUIRED.
4. COORDINATE INSTALLATION WITH ALL OTHER TRADES.
5. REFER TO "EMT (ELECTRICAL METALLIC TUBING) vs. LIQUIDTIGHT vs. FLEXIBLE CABLE" FOR ACCEPTABLE USE OF EACH.
6. EMT AND BOXES SHALL BE SIZED ACCORDING TO CODE REQUIREMENT BASED ON THE NUMBER OF CONDUCTORS.
7. FOR EMT AND/OR CONDUITS BENDS GREATER THAN OR EQUAL TO 270°, A PULL BOX MUST BE PROVIDED.
8. ALL EMT (ELECTRICAL METALLIC TUBING) SHALL BE FIRMLY FASTENED IN PLACE SO AS TO SUPPORT THE WEIGHT OF CONDUIT AND TO PREVENT ANY STRAIN OR STRESS AT TERMINATIONS ACCORDING TO ELECTRICAL CODE 12-1010.
9. CONTRACTORS SHALL ATTEMPT TO FISH NEW FEEDS DOWN EXISTING WALLS WHERE THIS IS NOT POSSIBLE (ONLY). SURFACE INSTALLATION IS ACCEPTABLE ON EXISTING BLOCK WALLS IN FINISHED AREAS AS FOLLOWS:
.1 BOXES SHALL BE SHALLOW WIRE MOLD BOX WITH NO KNOCKOUTS.
.2 CONDUIT SHALL BE WIRE MOLD. COLOUR TO BE WHITE.
10. CONCEAL ALL EMT (ELECTRICAL METALLIC TUBING) AND COMPONENTS IN CEILING SPACE OR WALLS. RUN TIGHT TO ROOF DECK OR FLOOR ABOVE WHERE CEILING IS EXPOSED. RUN TIGHT TO WALL OR COLUMN WHERE WALLS ARE EXPOSED.
11. MOUNTING HEIGHTS
.1 MOUNT NEW CONTROL DEVICES, INCLUDING BUT NOT LIMITED TO, P.A. CALL SWITCHES, OPERATORS, LIGHT SWITCHES OR SWITCH PLATE OCCUPANCY SENSORS NO LESS THAN 36" (900mm) A.F.F. TO BOTTOM OF BOX AND 43"(1100mm) MAXIMUM A.F.F. TO TOP OF BOX, UNLESS OTHERWISE NOTED.
.2 MOUNT NEW RECEPTACLES 16" (400mm) A.F.F. UNLESS OTHERWISE NOTED.
.3 ROOFTOP MAINTENANCE RECEPTACLES SHALL BE MOUNTED 30" (750mm) ABOVE ROOF LINE.
.4 SPACE SENSORS SHALL BE MOUNTED 59"(1500mm)
12. RECEPTACLES LOCATED WITHIN 5'(1.5m) OF A DAMP OR WET LOCATION SHALL BE GROUND FAULT CIRCUIT INTERRUPTER TYPE.
13. CONTRACTOR TO ALLOW FOR THE RELOCATION OF ANY RECEPTACLE OR DEVICE/EQUIPMENT CONNECTION WITHIN 10' OF LOCATION SHOWN AT NO EXTRA COST.
14. DEVICE COVER PLATES SHALL BE STAINLESS STEEL IN ALL AREAS.
15. BRANCH CIRCUIT BREAKER AMPERE INTERRUPTING CAPACITY TO MATCH BUS RATING. PROVIDE 10% SPARE FOR FUTURE.
16. ALL CIRCUITS SHALL CONTAIN SEPARATE PHASE, NEUTRAL AND GROUND CONDUCTORS. SHARED NEUTRALS IS NOT PERMITTED.
17. MAXIMUM VOLTAGE DROP IN BRANCH CIRCUITS TO BE 3%. CONDUCTORS SHALL BE OVERSIZED TO SUIT VOLTAGE DROP WHERE APPLICABLE.
18. CONDUCTORS TO BE COPPER UNLESS OTHERWISE NOTED. CONDUCTORS IN RACEWAYS SHALL BE T75 NYLON (T90 ACCEPTABLE IF DERATED AS PER OESC). ALL CONDUCTORS SHALL BE MINIMUM #10AWG FOR EMERGENCY BATTERY CIRCUITS AND EXTERIOR LIGHTING. #14AWG FOR CONTROL WIRING AND MINIMUM #12AWG FOR ALL OTHER APPLICATIONS.
19. ALL WIRE SIZES INDICATED ON DRAWINGS ARE BASED ON A 75°C TERMINATION TEMPERATURE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE TERMINATION TEMPERATURE OF EACH DEVICE AND MODIFY THE WIRE SIZE TO SUIT OR NOTIFY ENGINEER FOR DIRECTION.
20. IDENTIFY EACH WIRE AND CABLE AT EVERY TERMINATION POINT. IDENTIFY ALL EMT AND/OR CONDUITS WITH "NEAT" COLOUR BANDS AT NO MORE THAN 25'(7.5m) INTERVALS AND ON BOTH SIDES OF WALLS & FLOOR.
21. NON-CURRENT CARRYING METAL PARTS FOR FIXED EQUIPMENT SHALL BE BONDED TO GROUND. INSTALL SEPARATE BONDING IN LIQUIDTIGHT CONDUITS.
22. DISCONNECT SWITCHES FOR HVAC EQUIPMENT MUST BE INSTALLED WITHIN 10' (3m).
23. WHERE CEILING SPACE IS USED AS A RETURN AIR PLENUM, ALL WIRING SHALL CONFORM TO CODES FOR THIS APPLICATION.
24. FIRE STOP ALL EXISTING AND NEW CONDUIT THROUGH FIRE SEPARATIONS.
25. ARRANGE FOR ESA INSTALLATION PERMIT AND INSPECTION AND FORWARD A COPY OF THE ESA CERTIFICATE TO THE ENGINEER UPON ACCEPTANCE (INCLUDING FIRE ALARM LISTED AS A SEPARATE ITEM). ARRANGE AND PAY FOR OCCUPANCY PERMIT IF FINAL INSPECTION CANNOT BE SCHEDULED BY COMPLETION DATE SET FORTH IN TENDER DOCUMENTS.
26. OBTAIN COPY OF TSSA PERMIT AND INSPECTION FOR NEW ELEVATOR AND FORWARD A COPY TO ENGINEER.

EMT vs. LIQUIDTIGHT vs. FLEXIBLE CABLE

EMT (ELECTRICAL METALLIC TUBING) MUST BE USED IN THE FOLLOWING INDOOR APPLICATIONS:

- 1. ALL EXPOSED AREAS (USE WIREMOLD ON EXPOSED WALLS IN FINISHED AREAS WHERE EXPOSED WIRING HAS BEEN APPROVED).
2. T-BAR CEILING SPACES.
3. VERTICAL DROPS TO DEVICES IN NEW WALLS (I.E. SWITCHES RECEPTACLES, DATA/VOICE.)

LIQUIDTIGHT MUST BE USED IN THE FOLLOWING INDOOR AND OUTDOOR APPLICATIONS:

- 1. LAST 5' (1.5m) FOR FINAL CONNECTION TO INDOOR AND OUTDOOR MECHANICAL EQUIPMENT. LIQUID TIGHT CONDUIT IN CEILING SPACE MUST BE PLENUM RATED.

FLEXIBLE CABLE IS ONLY ACCEPTABLE IN THE FOLLOWING INDOOR APPLICATIONS:

- 1. LAST 5' (1.5m) FOR FINAL CONNECTION TO LIGHTING AND SMALL EQUIPMENT/COMPONENTS IN CEILING SPACES. DAISY CHAIN OF LUMINAIRES IS NOT ALLOWED.
2. LAST 5'(1,5m) FOR FINAL CONNECTION TO MECHANICAL EQUIPMENT LOCATED IN CEILING SPACE OR ON ROOF.
3. FISHED DOWN IN EXISTING WALL(S). FLEXIBLE CABLE IN NOT PERMITTED IN NEW WALL(S).

COMMUNICATIONS SCOPE OF WORK/SPECS:

- 1. ELECTRICAL CONTRACTOR RESPONSIBLE FOR OBTAINING THE SERVICES OF A QUALIFIED COMMUNICATION CONTRACTOR TO CARRY OUT ALL WORK ASSOCIATED WITH TELEPHONE AND DATA SYSTEMS INCLUDING BUT NOT LIMITED TO DEVICES, WIRING, TESTING AND VERIFICATION.
2. ELECTRICAL CONTRACTOR RESPONSIBLE FORE PROVIDING ALL INFRASTRUCTURE FOR COMMUNICATION CABLING INCLUDING BUT NOT LIMITED TO BACK BOXES, CONDUIT UP WALL WITH PULL STRING AND INSULATION BUSHINGS, AND CONDUIT INFRASTRUCTURE IN CEILING SPACE INCLUDING JUNCTION BOXES, CONDUIT STUBS AS REQUIRED.
3. COMMUNICATION CONTRACTOR RESPONSIBLE FOR ALL DEMOLITION WORK. CONTRACTOR TO INVESTIGATE EXISTING SERVICES PRIOR TO DEMOLITION TO ENSURE DESIGN INTENT IS FEASIBLE. ADVISE CONSULTANT OF ANY ISSUES.
4. ALL COMMUNICATION CABLING SHALL BE RUN USING J-HOOKS. SPACING AS PER MANUFACTURERS RECOMMENDATIONS. SUPPORT ALL J-HOOKS FROM BUILDING STRUCTURE. J-HOOKS SHALL BE SUPPORTED INDEPENDENT OF ALL OTHER SERVICES.
5. EXISTING SYSTEM SHOULD BE BASED ON PANDUIT STRUCTURED CABLING SYSTEM. ALL NEW DEVICES AND CABLE SHALL BE PANDUIT. MAXIMUM HORIZONTAL CABLE RUN LENGTH TO NOT EXCEED 300'.
6. ALL CABLING MUST BE PANDUIT 24AWG CAT6 4 PAIR FT6 RATED. CATEGORY MARKING SHALL BE PRINTED EVERY FOOT. JACKET SHALL BE PRINTED WITH TRU-MARK 1000 TO 0' MARKING SYSTEM WITH BLUE OUTER SHEATH FOR DATA AND GREY OUTER SHEATH FOR VOICE. MANUFACTURER SHALL BE PANDUIT.
7. FACEPLATES SHALL BE ABLE TO MOUNT ONE/TWO/THREE/FOUR OR SIX JACKS IN A SINGLE GANG AND SIX OR NINE JACKS IN A DOUBLE GANG.
8. JACKS SHALL BE 8-POSITIONED UN-KEYED WITH 94 V0 RATING. ALL DROPS MUST BE CLEARLY LABELED ON THE PATCH PANEL AND CABLE BOX. PROVIDE YELLOW FOR VOICE AND GREEN FOR DATA.
9. CONTRACTOR TO TEST ALL DATA AND PHONE DROPS AND SUBMIT REPORT TO CONSULTANT. REPORT SHALL BE INCLUDED IN MAINTENANCE MANUAL.
10. COMMUNICATION CONTRACTOR TO PROVIDE ONE YEAR WARRANTY ON ALL MATERIAL AND LABOUR.
11. COST OF SUB-CONTRACTOR TO BE CARRIED OUT UNDER CASH ALLOWANCE. APPROVED SUB-CONTRACTORS:
.1 ANY CERTIFIED PANDUIT COMMUNICATION CONTRACTOR.

GENERAL NOTES:

- 1. THOROUGHLY REVIEW AND COORDINATE WITH SITE CONDITIONS AND COMPLETE DRAWING SET PRIOR TO PRICING AND INSTALLATION.
2. OBTAIN, ARRANGE AND PAY FOR ALL REQUIRED PERMITS AND INSPECTIONS.
3. THE ELECTRICAL CONTRACTOR AND SUB-TRADES SHALL ATTEND ALL SITE MEETINGS UNLESS OTHERWISE APPROVED.
4. PROVIDE ELECTRONIC SHOP DRAWINGS IN PDF FORMAT TO CONSULTANT FOR REVIEW. ALL SHOP DRAWINGS MUST BE REVIEWED, STAMPED AND SIGNED BY THE ELECTRICAL CONTRACTOR PRIOR TO SUBMITTING TO THE CONSULTANT. REVIEW SHALL INCLUDE, BUT NOT LIMITED TO, VERIFYING VOLTAGE, RATING, DIMENSIONS AND CLEARANCES. SUBMIT SHOP DRAWINGS ELECTRONICALLY TO CONSULTANT.
5. INSTALL ALL WORK IN CONFORMANCE WITH MANUFACTURER'S REQUIREMENTS AND RECOMMENDATIONS.
6. MAINTAIN RECORD DRAWINGS ON AN ON-GOING BASIS. DRAWINGS SHALL BE AVAILABLE FOR PERIODIC REVIEW BY THE CONSULTANT DURING CONSTRUCTION.
7. ALL WORK SHALL COMPLY WITH APPLICABLE CODES.
8. REMOVE ALL REDUNDANT EQUIPMENT AND MATERIALS FROM SITE AND DISPOSE OF IN AN APPROVED MANNER. REDUNDANT EQUIPMENT AND MATERIALS SHALL NOT BE ABANDONED IN PLACE.
9. ALL CUTTING, CORING AND PATCHING SHALL BE BY THIS CONTRACTOR. COORDINATE PATCHING WITH GENERAL CONTRACTOR.
10. ALL CONDUIT SHALL BE CONCEALED AND ALL DEVICES RECESSED. ANY SURFACE MOUNTED CONDUIT MUST BE APPROVED BY OWNER OR CONSULTANT PRIOR TO INSTALLATION.
11. MAINTAIN REQUIRED ACCESS AND CLEARANCE TO ALL EQUIPMENT AND SYSTEMS AS REQUIRED BY CODE AND AS PER MANUFACTURER'S REQUIREMENTS.
12. TAG ALL EQUIPMENT (INCLUDING MECHANICAL EQUIPMENT), EQUIPMENT DISCONNECTS/STARTERS AND PANELS WITH LAMACOID NAMEPLATES. PANEL NAMEPLATE SHALL STATE PANEL DESIGNATION, VOLTAGE, AMPERAGE AND SOURCE OF FEEDER. EQUIPMENT SHALL STATE PANEL AND CIRCUIT NUMBER. PROVIDE TYPED PANEL SCHEDULES IN ALL PANELS. CONFIRM WITH CONSULTANT IF UNCLEAR.
13. LABEL ALL RECEPTACLES AND JUNCTION BOXES WITH PANEL AND CIRCUIT NUMBER. USE BLACK MARKER ON CONCEALED JUNCTION BOXES AND CLEAR ADHESIVE LABELS WITH BLACK WRITING ON RECEPTACLES. PAINT ALL JUNCTION BOXES RED FOR FIRE ALARM.
14. THE CONTRACTOR SHALL ARRANGE FOR FIELD REVIEWS BY THE CONSULTANT PRIOR TO CEILINGS AND WALLS BEING CLOSED IN. WHERE THIS HAS NOT BEEN ARRANGED IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE CEILING TILES OR ACCESS DOORS FOR REVIEW AT THE DIRECTION OF THE CONSULTANT.
15. PERFORM TESTING OF ALL SYSTEMS AS REQUIRED BY CODE AND THE CONSULTANT.
16. ASSIST WITH START-UP AND COMMISSIONING OF ALL SYSTEMS AS REQUIRED.
17. INSTRUCT AND TRAIN THE OWNER ON PROPER OPERATION OF THE SYSTEM.
18. UPON COMPLETION OF THE PROJECT THE CONSULTANT WILL DO A FINAL REVIEW. UPON RECEIVING THE FINAL INSPECTION REPORT, THE CONTRACTOR MUST CORRECT AND SIGN BACK THE INSPECTION REPORT INDICATED ALL DEFICIENCIES ARE COMPLETED. A RE-INSPECTION WILL ONLY BE DONE ONCE THE CONSULTANT RECEIVES THIS IN WRITING. WHERE THE CONSULTANT PERFORMS THE RE-INSPECTION AND THE WORK IS NOT COMPLETE, THE CONTRACTOR IS RESPONSIBLE FOR REIMBURSING THE CONSULTANT FOR THE FIELD REVIEW. THE FEE FOR ADDITIONAL REVIEWS WILL BE AT THE CONSULTANT'S HOURLY RATES PLUS MILEAGE AND APPLICABLE TAXES TO BE PAID DIRECTLY TO THE CONSULTANT PRIOR TO PERFORMING THE NEXT FIELD REVIEW.
19. PROVIDE ONE (1) YEAR WARRANTY ON ALL MATERIAL AND LABOUR FROM THE DATE OF SUBSTANTIAL COMPLETION.
20. PROGRESS DRAWS SHALL INCLUDE MINIMUM \$1,500.00 FOR MANUALS AND AS-BUILT DRAWINGS. TOTAL AMOUNT SHALL REMAIN UNBILLED UNTIL MANUALS AND AS-BUILT DRAWINGS HAVE BEEN SUBMITTED AND APPROVED AND UNTIL ALL CONSULTANT FIELD REVIEW REPORTS HAVE BEEN SIGNED AND RETURNED TO DES ALONG WITH PICTURES AS REQUESTED BY CONSULTANT.
21. PROVIDE ONE (1) COPY VIA EMAIL IN PDF FORMAT OF WARRANTY LETTER, ESA CERTIFICATE OF CLEARANCE, FIRE ALARM VERIFICATION REPORT, EMERGENCY LIGHTING TEST REPORT AND AS BUILT DRAWINGS. AS BUILT DRAWINGS SHALL INCLUDE COMPLETE SET WITH ANY CHANGES MARKED CLEARLY AND NEATLY IN COLOUR. SUBSTANTIAL COMPLETION WILL NOT BE AWARDED UNTIL THIS THIS INFORMATION IS SUBMITTED TO THE CONSULTANT AND THE CONSULTANT HAS APPROVE.

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Table with 4 columns: No., Date, Description, By. Row 1: 0, 2026-03-16, ISSUED FOR PERMIT & TENDER, L.C.

STAMPS: L. CONFORTI 100178822 2026-03-17 PROVINCE OF ONTARIO

DESIGNED BY: APPROVED BY:

CONSULTANTS:

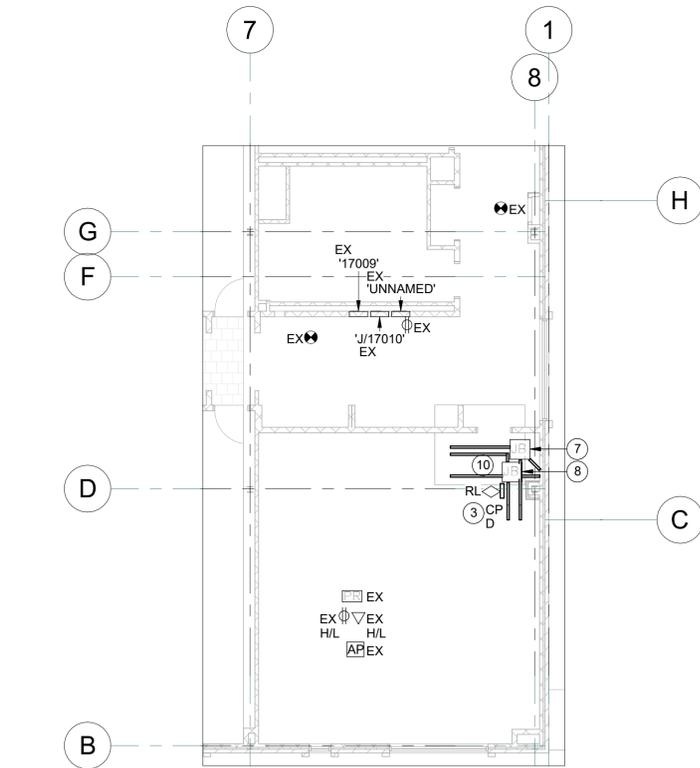
ENGINEER: CIMA+ 415 Baseline Rd W 2nd Floor Bowmanville, ON L1C 5M2 T 905.697.4464 www.cima.ca

CLIENT: WAVERLY PS 100 WAVERLY ST S, OSHAWA, ON L1J 5V1

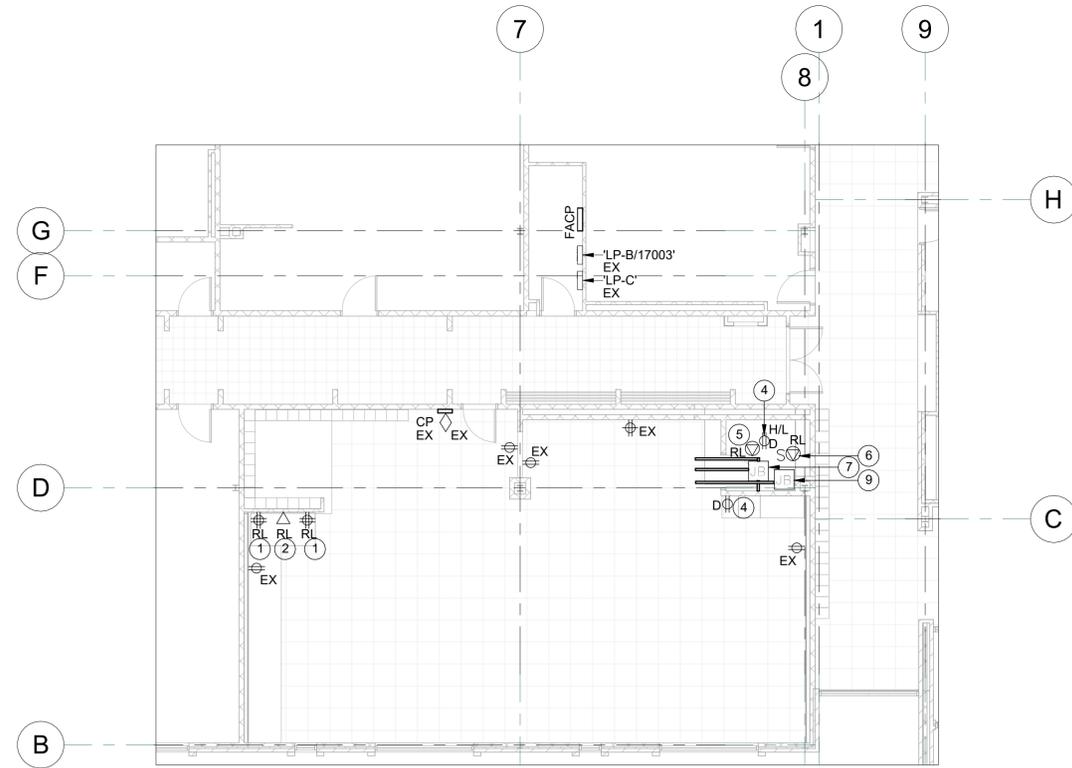
PROJECT NAME: WAVERLY P.S. ELEVATOR RENOVATION

SHEET TITLE: NOTES

Table with 2 columns: DRAFTER, DESIGNER, APPROVER, PROJECT No., SHEET No. and SCALE, DATE, CHECKER, DRAWING No. Values: JB, LC, LC, A0001199, 2 of 7, AS NOTED, 2026-03-16, LC, E-002

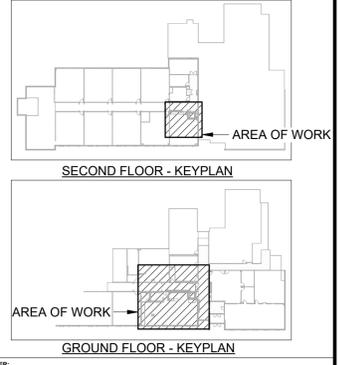


2 SECOND FLOOR - DEMO POWER LAYOUT
SCALE: 1 : 100



1 GROUND FLOOR - DEMO POWER LAYOUT
SCALE: 1 : 100

- WORKING NOTES:**
- 1 DISCONNECT AND REMOVE EXISTING RECEPTACLE C/W FEED BACK TO NEAREST JUNCTION BOX. RETAIN FOR REINSTALLATION.
 - 2 DISCONNECT AND REMOVE EXISTING DATA C/W FEED BACK TO CEILING SPACE. RETAIN FOR REINSTALLATION.
 - 3 DISCONNECT AND REMOVE DEVICES IN CLASSROOM CONTROL PANEL AND RETAIN FOR REINSTALLATION (SPEAKER AND PA PHONE). DISCONNECT AND REMOVE RECEPTACLE C/W FEED BACK TO NEAREST JUNCTION BOX IN CEILING SPACE.
 - 4 DEMOLISH EXISTING RECEPTACLE C/W FEED BACK TO NEAREST JUNCTION BOX.
 - 5 DISCONNECT AND REMOVE EXISTING POWER FEED FOR TRAP SEAL PRIMER BACK TO NEAREST JUNCTION BOX OUTSIDE OF NEW ELEVATOR SHAFT LOCATION. RETAIN FOR REINSTALLATION.
 - 6 DISCONNECT AND REMOVE EXISTING POWER FEED C/W POWER ISOLATION SWITCH FOR EXHAUST FAN BACK TO NEAREST JUNCTION BOX OUTSIDE OF NEW ELEVATOR SHAFT LOCATION. RETAIN FOR REINSTALLATION.
 - 7 EXISTING JUNCTION BOX AT HIGH LEVEL TO BE RELOCATED TO SUIT NEW ELEVATOR SHAFT. JUNCTION BOX HAS 3x3/4" CONDUITS ATTACHED TO BE REWORKED.
 - 8 EXISTING JUNCTION BOX AT HIGH LEVEL TO BE RELOCATED TO SUIT NEW ELEVATOR SHAFT. JUNCTION BOX HAS 4x3/4" CONDUITS ATTACHED TO BE REWORKED.
 - 9 EXISTING JUNCTION BOX AT HIGH LEVEL TO BE RELOCATED TO SUIT NEW ELEVATOR SHAFT. JUNCTION BOX HAS 2x3/4" CONDUIT ATTACHED TO BE REWORKED.
 - 10 EXISTING DATA CABLING AT HIGH LEVEL TO BE REWORKED TO SUIT NEW ELEVATOR SHAFT.



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No.	Date	Description	By
0	2026-03-16	ISSUED FOR PERMIT & TENDER	L.C.

STAMPS:

DESIGNED BY: [Signature]
APPROVED BY: [Signature]

CONSULTANT(S):

ENGINEER:

415 Baseline Rd W 2nd Floor
Bowmanville, ON L1C 5M2
T 905.697.4464
www.cima.ca

CLIENT:

WAVERLY PS
100 WAVERLY ST S, OSHAWA, ON
L1J 5V1

PROJECT NAME:

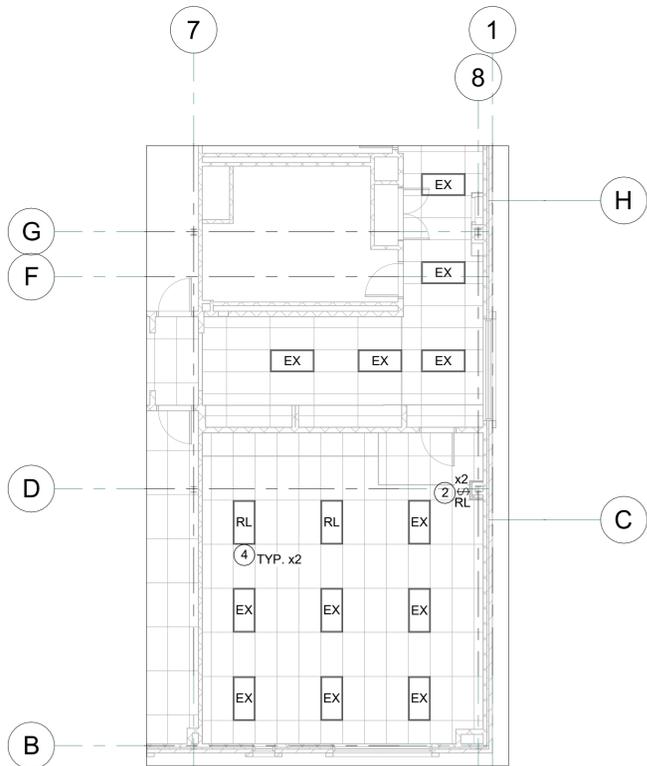
**WAVERLY P.S.
ELEVATOR RENOVATION**

SHEET TITLE:

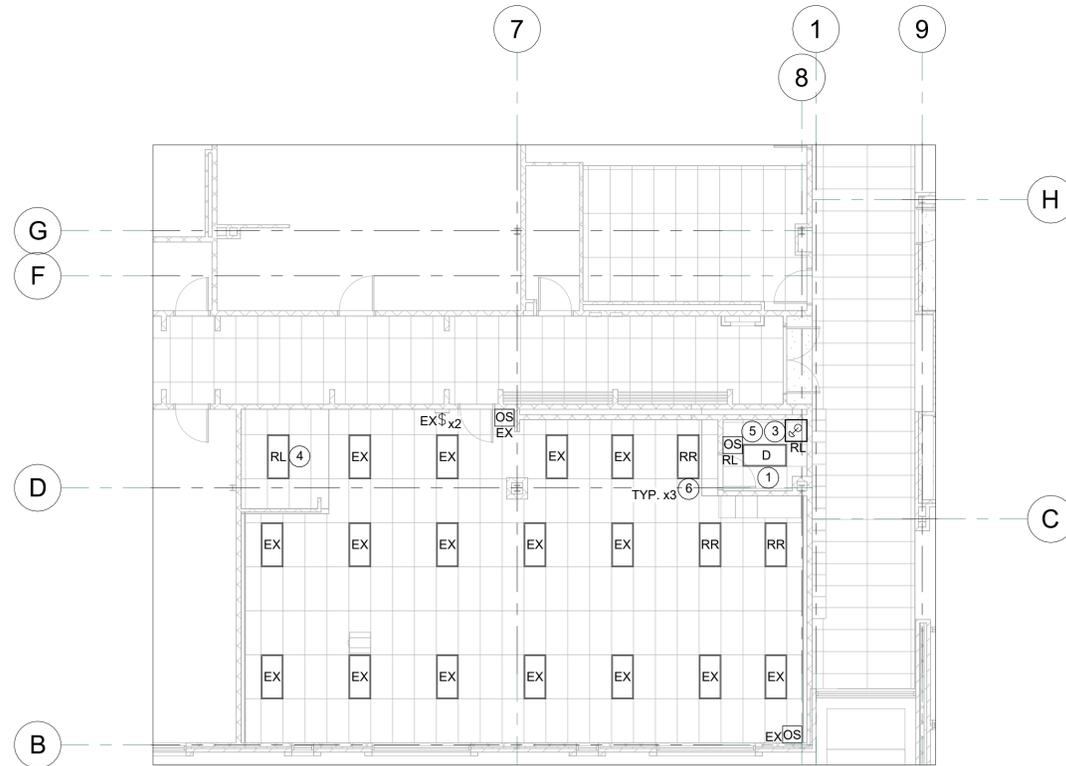
**GROUND & SECOND FLOOR -
DEMO POWER LAYOUTS**

DISCIPLINE: **ELECTRICAL**

DRAFTER: JB	SCALE: AS NOTED
DESIGNER: LC	DATE: 2026-03-16
APPROVER: LC	CHECKER: LC
PROJECT No: A0001199	DRAWING No: ED101
SHEET No: 3 of 7	

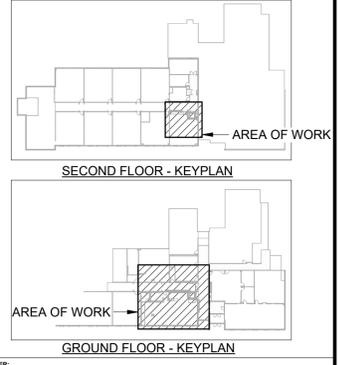


2 SECOND FLOOR - DEMO LIGHTING LAYOUT
SCALE: 1 : 100



1 GROUND FLOOR - DEMO LIGHTING LAYOUT
SCALE: 1 : 100

- WORKING NOTES:**
- 1 DISCONNECT AND REMOVE EXISTING LUMINAIRE. DEMOLISH FEED BACK NEAREST JUNCTION BOX.
 - 2 DISCONNECT AND REMOVE EXISTING EMERGENCY LIGHT C/W FEED BACK TO NEAREST JUNCTION BOX. RETAIN FOR RELOCATION.
 - 3 DISCONNECT AND REMOVE EXISTING EMERGENCY LIGHT C/W FEED BACK TO NEAREST JUNCTION BOX. RETAIN FOR RELOCATION.
 - 4 DISCONNECT AND REMOVE EXISTING LUMINAIRE. DEMOLISH FEED BACK NEAREST JUNCTION BOX. RETAIN FOR RELOCATION.
 - 5 DISCONNECT AND REMOVE EXISTING OCCUPANCY SENSOR C/W FEED BACK TO NEAREST JUNCTION BOX. RETAIN FOR RELOCATION.
 - 6 DISCONNECT AND REMOVE EXISTING LUMINAIRE. RETAIN FOR REINSTALLATION IN SAME LOCATION.



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No.	Date	Description	L.C.	By
0	2026-03-16	ISSUED FOR PERMIT & TENDER		

STAMPS:

DESIGNED BY: _____ APPROVED BY: _____

CONSULTANT(S):

ENGINEER:

CIMA+
415 Baseline Rd W 2nd Floor
Bowmanville, ON L1C 5M2
T 905.697.4464
www.cima.ca

CLIENT:

WAVERLY PS
100 WAVERLY ST S, OSHAWA, ON
L1J 5V1

PROJECT NAME:

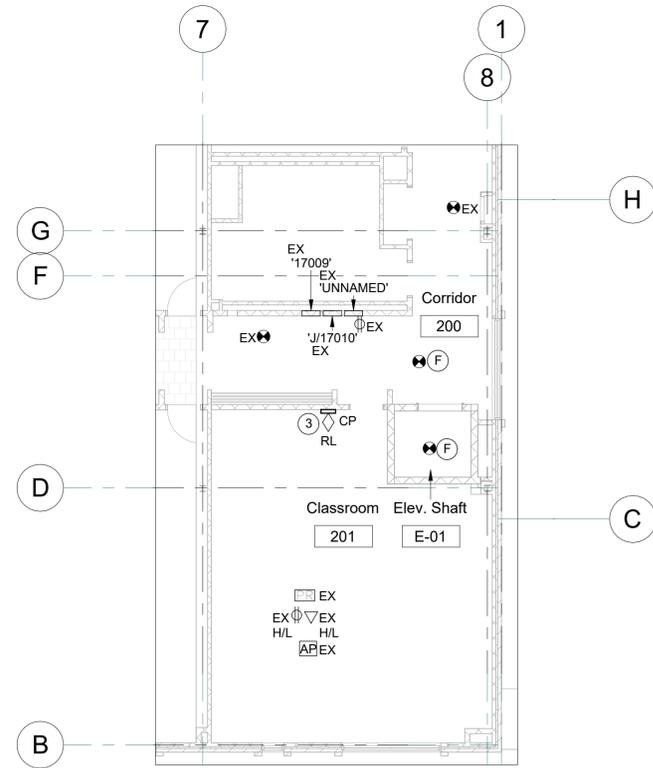
**WAVERLY P.S.
ELEVATOR RENOVATION**

SHEET TITLE:

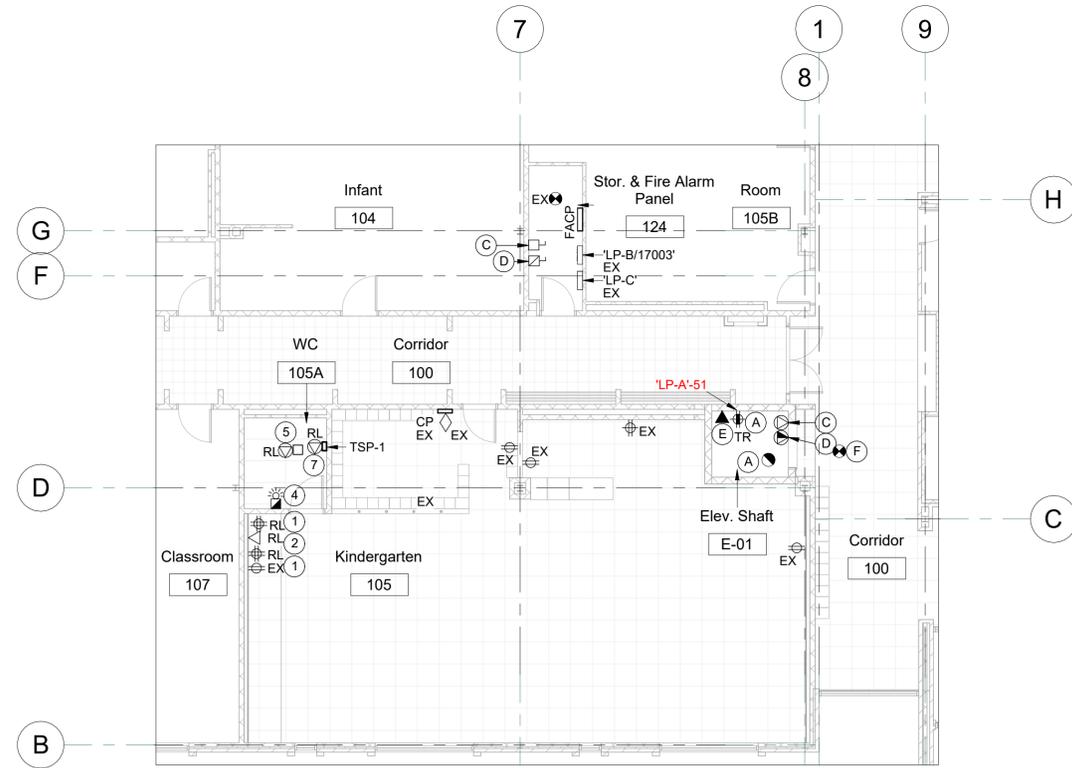
**GROUND & SECOND FLOOR -
DEMO LIGHTING LAYOUTS**

DISCIPLINE: **ELECTRICAL**

DRAFTER: JB	SCALE: AS NOTED
DESIGNER: LC	DATE: 2026-03-16
APPROVER: LC	CHECKER: LC
PROJECT No: A0001199	DRAWING No: ED102
SHEET No: 4 of 7	



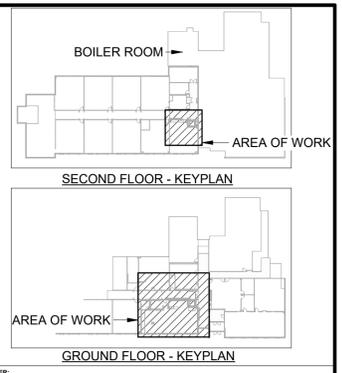
2 SECOND FLOOR - NEW POWER LAYOUT
SCALE: 1 : 100



1 GROUND FLOOR - NEW POWER LAYOUT
SCALE: 1 : 100

- ELEVATOR WORKING NOTES:**
- (A) SUPPLY AND INSTALL HEAT DETECTOR AND 20A GFI RECEPTACLE IN PIT OF ELEVATOR. GFI RECEPTACLE SHALL BE MOUNTED 100mm (4") BELOW ELEVATOR GROUND FLOOR LANDING OR AS OTHERWISE DIRECTED BY ELEVATOR INSTALLER. TIE HEAT DETECTOR INTO NEW FIRE ALARM ZONE. FEED RECEPTACLE FROM NEW BREAKER AS NOTED.
 - (B) PROVIDE 4'X4' LOCKABLE ENCLOSURE TO ENCLOSE DISCONNECT SWITCHES FOR ELEVATOR POWER AND LIGHTING. PROVIDE LAMACOID NAMEPLATE INDICATING "ELEVATOR DISCONNECT SWITCHES".
 - (C) SUPPLY AND INSTALL A 120 VOLT 30A LOCKABLE SAFETY SWITCH WITH ONE (1) 15A TYPE D PLUG FUSE. PROVIDE NEW FEED FROM EXISTING PANEL 'LP-A' IN THE BOILER ROOM. COORDINATE WITH ELEVATOR MANUFACTURER. PROVIDE FEED FROM DISCONNECT TO ELEVATOR CAR CONTROLLER LOCATED IN CABINET ON SIDE OF ELEVATOR DOOR. ALLOW FOR INSTALLATION UP TO SECOND FLOOR TO SUIT ELEVATOR CONFIGURATION.
 - (D) SUPPLY AND INSTALL 208 VOLT 30A LOCKABLE FUSED DISCONNECT SWITCH WITH AUXILIARY CONTACT TO BRAKE BATTERY FEED. PROVIDE THREE (3) 50 AMP HRC FORM 1 TYPE D FUSES. POSITION DISCONNECT AS PER ELEVATOR MANUFACTURER RECOMMENDATIONS. PROVIDE NEW FEED FROM EXISTING PANEL PP-1 IN THE BOILER ROOM. PROVIDE FEED FROM DISCONNECT TO ELEVATOR CAR CONTROLLER LOCATED IN CABINET ON SIDE OF ELEVATOR DOOR. ALLOW FOR INSTALLATION UP TO SECOND FLOOR TO SUIT ELEVATOR CONFIGURATION.
 - (E) PROVIDE NEW DEDICATED PHONE LINE FOR ELEVATOR. COORDINATE EXACT LOCATION FOR CONNECTION WITH ELEVATOR MANUFACTURER. ALLOW FOR INSTALLATION ON SECOND FLOOR TO SUIT ELEVATOR CONFIGURATION.
 - (F) PROVIDE NEW FIRE ALARM DEVICES FOR ELEVATOR RECALL. TIE INTO NEW ADDRESSABLE LOOP.

- GROUND FLOOR WORKING NOTES:**
- (1) INSTALL RECEPTACLE RETAINED FROM DEMOLITION IN NEW LOCATION. EXTEND CONDUIT AND WIRING AS REQUIRED.
 - (2) INSTALL DATA RETAINED FROM DEMOLITION IN NEW LOCATION. EXTEND CONDUIT AND WIRING AS REQUIRED.
 - (3) NEW CONTROL PANEL SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR. PROVIDE NEW DEVICES IN CONTROL PANEL AS PER DETAIL. REINSTALL EXISTING PA PHONE IN NEW CONTROL PANEL.
 - (4) PROVIDE NEW FIRE ALARM DEVICE. TIE INTO NEW SIGNAL CIRCUIT.
 - (5) PROVIDE 120V POWER FOR NEW EXHAUST FAN C/W WALL MOUNTED STARTER IN STOR. & FIRE ALARM PANEL 124. REUSE FEED RETAINED FROM DEMOLITION. EXACT LOCATION IN STORAGE ROOM TO BE COORDINATED. COORDINATE WITH MECHANICAL CONTRACTOR.
 - (6) PROVIDE NEW PANEL 'LP-C'. PROVIDE NEW LAMACOID NAMEPLATE. REFER TO PANEL SCHEDULE ON E-601.
 - (7) PROVIDE 120V POWER FOR NEW TRAP SEAL PRIMER. REUSE FEED RETAINED FROM DEMOLITION. COORDINATE WITH MECHANICAL CONTRACTOR.



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No.	Date	Description	By
0	2026-03-16	ISSUED FOR PERMIT & TENDER	L.C.

STAMPS:

DESIGNED BY: _____ APPROVED BY: _____

CONSULTANTS:

ENGINEER:

415 Baseline Rd W 2nd Floor
Bowmanville, ON L1C 5M2
T 905.697.4464
www.cima.ca

CLIENT:

WAVERLY PS
100 WAVERLY ST S, OSHAWA, ON
L1J 5V1

PROJECT NAME:

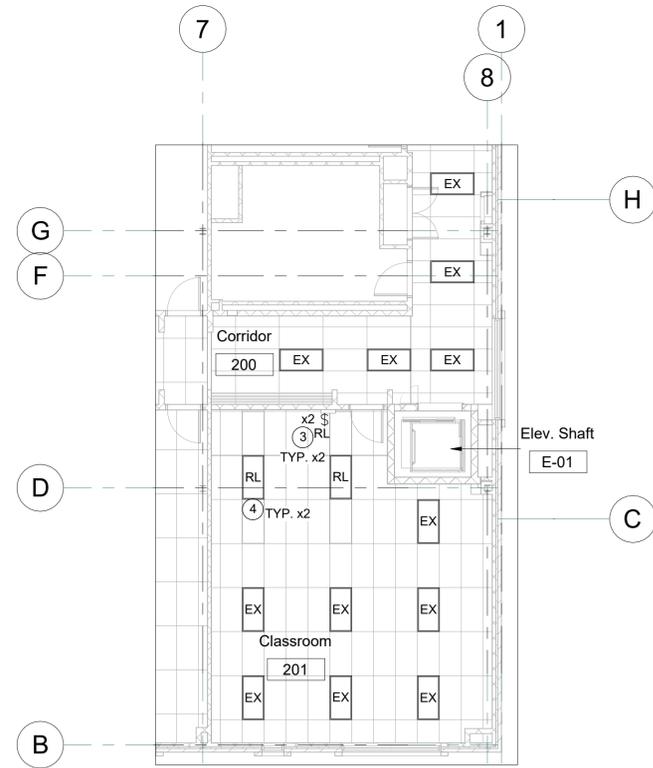
**WAVERLY P.S.
ELEVATOR RENOVATION**

SHEET TITLE:

**GROUND & SECOND FLOOR - NEW
POWER LAYOUTS**

DISCIPLINE: **ELECTRICAL**

DRAFTER: JB	SCALE: AS NOTED
DESIGNER: LC	DATE: 2026-03-16
APPROVER: LC	CHECKER: LC
PROJECT No: A0001199	DRAWING No: E-101
SHEET No: 5 of 7	



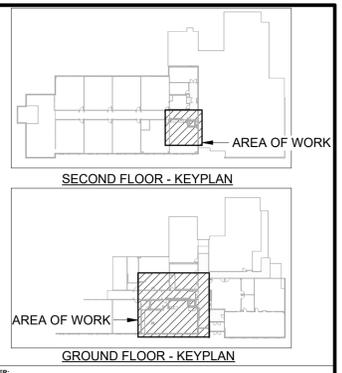
2 SECOND FLOOR - NEW LIGHTING LAYOUT
SCALE: 1 : 100



1 GROUND FLOOR - NEW LIGHTING LAYOUT
SCALE: 1 : 100

ELEVATOR WORKING NOTES:
 (A) SUPPLY AND INSTALL LIGHT AND SWITCH IN PIT OF ELEVATOR AS NOTED.

- WORKING NOTES:**
- 1 PROVIDE NEW LUMINAIRE AS NOTED. TIE INTO EXISTING LIGHTING CIRCUIT SERVING AREA. TIE INTO LOCAL ROOM CONTROL. EXTEND CONDUIT AND WIRING AS NECESSARY.
 - 2 INSTALL OCCUPANCY SENSOR RETAINED FROM DEMOLITION AT NEW LOCATION. EXTEND CONDUIT AND FEED AS REQUIRED TO SUIT NEW LIGHTING LAYOUT.
 - 3 INSTALL SWITCH RETAINED FROM DEMOLITION AT NEW LOCATION. EXTEND CONDUIT AND FEED AS REQUIRED TO SUIT NEW LIGHTING LAYOUT.
 - 4 INSTALL LUMINAIRE RETAINED FROM DEMOLITION. TIE INTO EXISTING LIGHTING CIRCUIT SERVING AREA. TIE INTO LOCAL ROOM CONTROL. EXTEND CONDUIT AND WIRING AS NECESSARY.
 - 5 INSTALL EMERGENCY LIGHT RETAINED FROM DEMOLITION. REUSE EXISTING FEED. EXTEND AND REWORK CONDUIT AND WIRING AS NECESSARY.
 - 6 INSTALL LUMINAIRE RETAINED FROM DEMOLITIO IN SAME LOCATION.



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No.	Date	Description	By
0	2026-03-16	ISSUED FOR PERMIT & TENDER	L.C.

STAMPS:

DESIGNED BY: _____ APPROVED BY: _____

CONSULTANT(S):

ENGINEER:
CIMA+
 415 Baseline Rd W 2nd Floor
 Bowmanville, ON L1C 5M2
 T 905.697.4464
 www.cima.ca

CLIENT:
WAVERLY PS
 100 WAVERLY ST S, OSHAWA, ON
 L1J 5V1

PROJECT NAME:
**WAVERLY P.S.
 ELEVATOR RENOVATION**

SHEET TITLE:
**GROUND & SECOND FLOOR - NEW
 LIGHTING LAYOUTS**

DISCIPLINE:
ELECTRICAL

DRAFTER: JB	SCALE: AS NOTED
DESIGNER: LC	DATE: 2026-03-16
APPROVER: LC	CHECKER: LC
PROJECT No: A0001199	DRAWING No: E-102
SHEET No: 6 of 7	

Branch Panel: 'LP-A'

Location: SECOND FLOOR BOILER ROOM
Supply From:
Mounting: Surface
Enclosure: NEMA 1 Indoor

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: N/A
Mains Type: MAIN LUGS ONLY
Mains Rating: 200 A
MCB Rating: N/A

Notes: Revised Panel 'LP-A'

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	NORTH WALL RECEPTACLE	15 A	1	0 VA	0 VA		1	15 A	UNKNOWN LOAD	2	
3	OUTSIDE LIGHTS CONTROL	15 A	1		0 VA	0 VA	1	15 A	UNKNOWN LOAD	4	
5	WEST WALL RECEPTACLE	15 A	1			0 VA	0 VA	1	15 A	HOT WATER TANK	6
7	PHONE RECEPTACLE	15 A	1	0 VA	0 VA		1	15 A	CUST. LIGHTS	8	
9	OUTSIDE LIGHTS	15 A	1		0 VA	0 VA	1	15 A	UNKNOWN LOAD	10	
11	BOILER ROOM LIGHTS	15 A	1			0 VA	0 VA	1	15 A	UNIT HEATER	12
13	HOT WATER RECIRCULATING PUMP	15 A	1	0 VA	0 VA		1	15 A	BOILER #2	14	
15	AIR DRYER RECEPTACLE	20 A	1		0 VA	0 VA	1	15 A	BOILER #1	16	
17	PUMP #1	20 A	3			0 VA	0 VA	1	15 A	DOOR OPENER	18
19	--	--	--	0 VA	0 VA		3	15 A	AIR COMPRESSOR	20	
21	--	--	--		0 VA	0 VA	--	--	--	22	
23	PUMP #2	20 A	3			0 VA	0 VA	--	--	24	
25	--	--	--	0 VA	0 VA		3	15 A	UNKNOWN LOAD	26	
27	--	--	--		0 VA	0 VA	--	--	--	28	
29	EXIT LIGHTS	20 A	1			0 VA	0 VA	--	--	30	
31	UNKNOWN LOAD	20 A	3	0 VA	0 VA		2	15 A	UNKNOWN LOAD	32	
33	--	--	--		0 VA	0 VA	--	--	--	34	
35	--	--	--			0 VA	0 VA	1	15 A	CUST. RECEPTACLES	36
37	UNKNOWN LOAD	70 A	2	0 VA	0 VA		2	50 A	UNKNOWN LOAD	38	
39	--	--	--		0 VA	0 VA	--	--	--	40	
41	UNKNOWN LOAD	20 A	1			0 VA	--	1	--	42	
43	UNKNOWN LOAD	20 A	1	0 VA	0 VA		1	20 A	UNKNOWN LOAD	44	
45	UNKNOWN LOAD	20 A	3		0 VA	0 VA	1	15 A	UNKNOWN LOAD	46	
47	--	--	--			0 VA	0 VA	3	20 A	UNKNOWN LOAD	48
49	--	--	--	0 VA	0 VA		--	--	--	50	
51	ELEVATOR PIT RECEPTACLE	20 A	1		180 VA	0 VA	--	--	--	52	
53	ELEVATOR CAB LIGHTING	15 A	1			0 VA	--	1	--	54	
55	ELEVATOR PIT LIGHTING	15 A	1	17 VA	--		1	--	--	56	
57	--	--	--		--	--	1	--	--	58	
59	--	--	--		--	--	1	--	--	60	
61	--	--	--		--	--	1	--	--	62	
63	--	--	--		--	--	1	--	--	64	
65	--	--	--		--	--	1	--	--	66	
Total Load:				17 VA	180 VA	0 VA					
Total Amps:				0 A	2 A	0 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Receptacle	180 VA	100.00%	180 VA	Total Conn. Load: 197 VA Total Est. Demand: 197 VA
Lighting	17 VA	100.00%	17 VA	
				Total Conn.: 1 A Total Est. Demand: 1 A

Notes:

Branch Panel: 'LP-A'

Location: SECOND FLOOR BOILER ROOM
Supply From:
Mounting: Surface
Enclosure: NEMA 1 Indoor

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: N/A
Mains Type: MAIN LUGS ONLY
Mains Rating: 200 A
MCB Rating: N/A

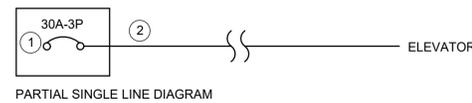
Notes: Existing Panel 'LP-A'

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	NORTH WALL RECEPTACLE	15 A	1	0 VA	0 VA		1	15 A	UNKNOWN LOAD	2	
3	OUTSIDE LIGHTS CONTROL	15 A	1		0 VA	0 VA	1	15 A	UNKNOWN LOAD	4	
5	WEST WALL RECEPTACLE	15 A	1			0 VA	0 VA	1	15 A	HOT WATER TANK	6
7	PHONE RECEPTACLE	15 A	1	0 VA	0 VA		1	15 A	CUST. LIGHTS	8	
9	OUTSIDE LIGHTS	15 A	1		0 VA	0 VA	1	15 A	UNKNOWN LOAD	10	
11	BOILER ROOM LIGHTS	15 A	1			0 VA	0 VA	1	15 A	UNIT HEATER	12
13	HOT WATER RECIRCULATING PUMP	15 A	1	0 VA	0 VA		1	15 A	BOILER #2	14	
15	AIR DRYER RECEPTACLE	20 A	1		0 VA	0 VA	1	15 A	BOILER #1	16	
17	PUMP #1	20 A	3			0 VA	0 VA	1	15 A	DOOR OPENER	18
19	--	--	--	0 VA	0 VA		3	15 A	AIR COMPRESSOR	20	
21	--	--	--		0 VA	0 VA	--	--	--	22	
23	PUMP #2	20 A	3			0 VA	0 VA	--	--	24	
25	--	--	--	0 VA	0 VA		3	15 A	UNKNOWN LOAD	26	
27	--	--	--		0 VA	0 VA	--	--	--	28	
29	EXIT LIGHTS	20 A	1			0 VA	0 VA	--	--	30	
31	UNKNOWN LOAD	20 A	3	0 VA	0 VA		2	15 A	UNKNOWN LOAD	32	
33	--	--	--		0 VA	0 VA	--	--	--	34	
35	--	--	--			0 VA	0 VA	1	15 A	CUST. RECEPTACLES	36
37	UNKNOWN LOAD	70 A	2	0 VA	0 VA		2	50 A	UNKNOWN LOAD	38	
39	--	--	--		0 VA	0 VA	--	--	--	40	
41	UNKNOWN LOAD	20 A	1			0 VA	--	1	--	42	
43	UNKNOWN LOAD	20 A	1	0 VA	0 VA		1	20 A	UNKNOWN LOAD	44	
45	UNKNOWN LOAD	15 A	3		0 VA	0 VA	1	15 A	UNKNOWN LOAD	46	
47	--	--	--			0 VA	0 VA	3	20 A	UNKNOWN LOAD	48
49	--	--	--	0 VA	0 VA		--	--	--	50	
51	--	--	--		0 VA		--	--	--	52	
53	--	--	--			--	--	1	--	54	
55	--	--	--		--	--	1	--	--	56	
57	--	--	--		--	--	1	--	--	58	
59	--	--	--		--	--	1	--	--	60	
61	--	--	--		--	--	1	--	--	62	
63	--	--	--		--	--	1	--	--	64	
65	--	--	--		--	--	1	--	--	66	
Total Load:				0 VA	0 VA	0 VA					
Total Amps:				0 A	0 A	0 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
				Total Conn. Load: 0 VA Total Est. Demand: 0 VA
				Total Conn.: 0 A Total Est. Demand: 0 A

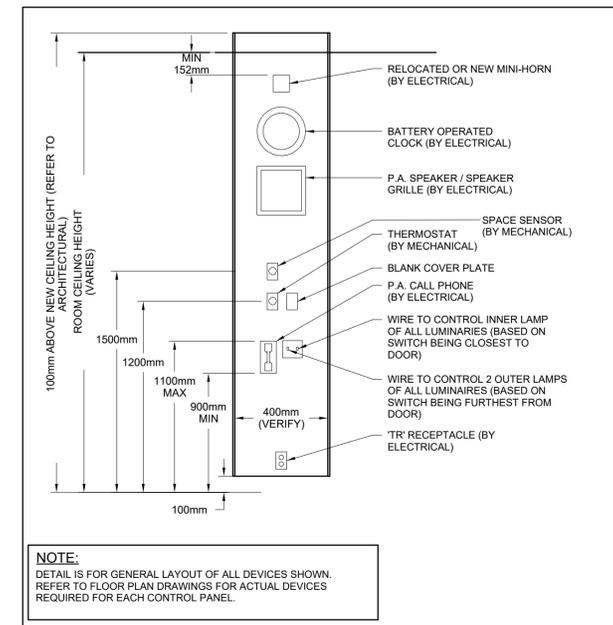
Notes:



NOTES:

- PROVIDE NEW BREAKER AS NOTED INSIDE EXISTING SIEMENS S5 DISTRIBUTION PANEL.
- PROVIDE 3#10 + GND CU CONDUCTORS IN 1/2" CONDUIT.

2 PARTIAL SINGLE LINE DIAGRAM
SCALE: N.T.S.



1 CONTROL PANEL DETAIL (SUPPLIED BY GENERAL)
SCALE: N.T.S.

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No.	Date	Description	L.C.	By
0	2026-03-16	ISSUED FOR PERMIT & TENDER		

DESIGNED BY: [Signature]

APPROVED BY: [Signature]

CONSULTANT(S):

ENGINEER:

CIMA+

415 Baseline Rd W 2nd Floor
Bowmanville, ON L1C 5M2
T 905.697.4464
www.cima.ca

CLIENT:

WAVERLY PS

100 WAVERLY ST S, OSHAWA, ON
L1J 5V1

PROJECT NAME:

**WAVERLY P.S.
ELEVATOR RENOVATION**

SHEET TITLE:

**SINGLE LINE DIAGRAM, DETAILS
AND SCHEDULES**

DISCIPLINE: **ELECTRICAL**

DRAFTER: JB	SCALE: AS NOTED
DESIGNER: LC	DATE: 2026-03-16
APPROVER: LC	CHECKER: LC
PROJECT No: A0001199	DRAWING No: E-601
SHEET No: 7 of 7	