

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, MANUFACTURER'S 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. CAN/ULC-S524 AND OTHER APPLICABLE ULC STANDARDS

7. AUTHORITY HAVING JURISDICTION

3. ALL SIGNAL DEVICES SHALL HAVE FIELD ADJUSTABLE DB SETTINGS VIA DIP SWITCHES OR PROGRAMMING FOR LOW, MEDIUM AND HIGH. PERMANENT MODIFICATIONS TO DEVICE TO CHANGE AUDIBLE LEVEL IS NOT ACCEPTABLE.

4. FIRE DETECTOR MOUNTING:

1. FIRE DETECTORS SHALL NOT BE LOCATED CLOSER THAN 1000mm HORIZONTALLY FROM TIP OF A CEILING SUSPENDED (PADDLE) 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. 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.

6. 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.

7. 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 FIRECTED 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.

8. 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.

9. ALL AIR HANDLING EQUIPMENT THAT CAN SUPPLY FRESH AIR SHALL BE TIED INTO FIRE ALARM CONTROL PANEL FOR FAN SHUT DOWN. SHUT DOWN BOTH SUPPLY AND RETURN AIR IF APPLICABLE. EXHAUST FANS DO NOT NEED TO BE SHUT DOWN. PROVIDE ALL COMPONENTS TO FACILITATE INTENT.

10. ALL DUCT SMOKES SHALL BE INTERLOCKED TO UNIT IT SERVES FOR FAN SHUTDOWN. PROVIDE ALL COMPONENTS TO FACILITATE INTENT. DUCT SMOKES TO BE INSTALLED IN LINEAR SECTION APPROXIMATELY 6x DUCT WIDTH FROM ANY BEND OR AIR INLET.

11. FIRE STOP ALL EXISTING AND NEW CONDUIT THROUGH FIRE SEPARATIONS IN ACCORDANCE WITH OBC.
- ELECTRICAL NOTES:
1. PROVIDE GROUND ELECTRODE AS PER ESA REQUIREMENTS.

2. ALL WORK SHALL CONFORM TO ESA REQUIREMENTS.

3. PROVIDE CHAINS FOR ALL LIGHT FIXTURES. CHAINS SHALL BE PROVIDED AT ALL FOUR CORNERS.

4. BOND ALL METALLIC WATER, DRAIN AND GAS PIPING AS PER ESA REQUIREMENTS.

5. PROVIDE JUNCTION BOXES C/W COVERPLATES AS REQUIRED.

6. COORDINATE INSTALLATION WITH ALL OTHER TRADES.

7. ALL PANEL BOARDS SHALL BE COMPLETE WITH HINGED DOORS. PROVIDE LOCKING DOORS IN PUBLIC AREAS OR CORRIDORS.

8. ALL DISTRIBUTION EQUIPMENT SHALL HAVE COPPER BUS UNLESS OTHERWISE NOTED. ALUMINUM BUS WILL NOT BE ACCEPTED.

9. REFER TO "EMT (ELECTRICAL METALLIC TUBING) vs. LIQUIDTIGHT vs. FLEXIBLE CABLE" FOR ACCEPTABLE USE OF EACH.

10. EMT AND BOXES SHALL BE SIZED ACCORDING TO CODE REQUIREMENT BASED ON THE NUMBER OF CONDUCTORS.

11. FOR EMT AND/OR CONDUITS BENDS GREATER THAN OR EQUAL TO 270°, A PULL BOX MUST BE PROVIDED.

12. 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.

13. 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.

14. 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.

15. WHERE EMT RUNS HORIZONTALLY ACROSS WALL STUDS, NOTCHES SHOULD BE CUT AND PROTECTED BY STEEL PLATES.

16. ALL COMPUTER DUPLEX RECEPTACLES TO BE CONNECTED C/W ISOLATED GROUND.

17. 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. SPACE SENSORS SHALL BE MOUNTED 59"(1500mm)

18. RECEPTACLES LOCATED WITHIN 5'(1.5m) OF A DAMP OR WET LOCATION SHALL BE GROUND FAULT CIRCUIT INTERRUPTER TYPE.

19. CONTRACTOR TO ALLOW FOR THE RELOCATION OF ANY RECEPTACLE OR DEVICE/EQUIPMENT CONNECTION WITHIN 10' OF LOCATION SHOWN AT NO EXTRA COST.

20. DEVICE COVER PLATES SHALL BE STANDARD NYLON IN FINISHED AREAS AND STAINLESS STEEL IN UNFINISHED AREAS INCLUDING MECHANICAL ROOM. COLOUR OF NYLON COVER PLATES TO BE CONFIRMED WITH ARCHITECT. DEVICE COVER PLATES SHALL BE STAINLESS STEEL IN ALL AREAS.

21. BRANCH CIRCUIT BREAKER AMPERE INTERRUPTING CAPACITY TO MATCH BUS RATING. PROVIDE 10% SPARE FOR FUTURE.

22. ALL CIRCUITS SHALL CONTAIN SEPARATE PHASE, NEUTRAL AND GROUND CONDUCTORS. SHARED NEUTRALS IS NOT PERMITTED.

23. MAXIMUM VOLTAGE DROP IN BRANCH CIRCUITS TO BE 3%. CONDUCTORS SHALL BE OVERSIZED TO SUIT VOLTAGE DROP WHERE APPLICABLE.

24. 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.

25. 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.

26. 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.

27. NON-CURRENT CARRYING METAL PARTS FOR FIXED EQUIPMENT SHALL BE BONDED TO GROUND. INSTALL SEPARATE BONDING IN LIQUIDTIGHT CONDUITS.

28. DISCONNECT SWITCHES FOR HVAC EQUIPMENT MUST BE INSTALLED WITHIN 10' (3m).

29. MOTORS OTHER THAN AIR CONDITIONERS MUST HAVE DISCONNECT WITHIN SIGHT AND 30' (9m) OF THE MOTOR AND/OR STARTER.

30. WHERE CEILING SPACE IS USED AS A RETURN AIR PLENUM, ALL WIRING SHALL CONFORM TO CODES FOR THIS APPLICATION.

31. SUPPLY AND INSTALL 2" EMT CONDUIT SLEEVES COMPLETE WITH BUSHING OVER EVERY DOOR FROM CORRIDOR TO FACILITATE INSTALLATION OF COMMUNICATION AND CONTROL WIRING. COORDINATE ANY ADDITIONAL CONDUIT SLEEVE REQUIREMENTS WITH ALL TRADES AS REQUIRED.

32. CONTRACTOR IS RESPONSIBLE FOR LOAD BALANCING ALL DISTRIBUTION PANEL INSTALLATIONS. MEASURE PHASE CURRENT TO PANELBOARDS WITH NORMAL LOADS (LIGHTING) OPERATING AT TIME OF ACCEPTANCE. ADJUST BRANCH CIRCUIT CONNECTIONS AS REQUIRED TO OBTAIN BEST BALANCE OF CURRENT BETWEEN PHASES AND RECORD CHANGES. SUBMIT AT COMPLETION OF WORK, REPORT LISTING PHASE AND NEUTRAL CURRENTS ON PANELBOARDS, DRY-CORE TRANSFORMERS AND MOTOR CONTROL CENTERS OPERATING UNDER NORMAL LOAD, STATE HOUR AND DATE ON WHICH EACH LOAD WAS MEASURED, AND VOLTAGE AT TIME OF TEST.

33. FIRE STOP ALL EXISTING AND NEW CONDUIT THROUGH FIRE SEPARATIONS.

34. 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.

FIRE ALARM LEGEND	
	EXISTING FIRE ALARM CONTROL PANEL
	HEAT DETECTOR FIXED TEMPERATURE [135°/200°]
	SMOKE DETECTOR C/W INDICATION LIGHT
 ## cd	COMBINATION HORN/STROBE. ## DENOTES STROBE CANDELA RATING. PROVIDE 15cd UNLESS OTHERWISE NOTED.
 ## cd	STROBE ONLY. ## DENOTES STROBE CANDELA RATING. PROVIDE 15cd UNLESS OTHERWISE NOTED.

EMERGENCY LIGHTING SCHEDULE		
TAG	DESCRIPTION	MAKE / MODEL
##   	ALL METAL EXIT SIGN, WHITE LED LIGHT SOURCE, FACTORY WHITE. GREEN RUNNING MAN WITH LEGEND PLATE AS NOTED. SINGLE FACE. UNIVERSAL MOUNTING (WALL, END OR CEILING). 347V AC INPUT (NORMAL).	EQUAL TO LUMACELL LS1WU.
APPROVED ALTERNATES: BEGHELLI, EMERG-LITE, AIMLITE, STAN PRO		
NOTE: 1. ## DENOTES BATTERY UNIT. 2. DS DENOTES DOUBLE SIDED. 3. ALLOW 20% SAFETY ON BACK-UP BATTERY PACK SIZING. 4. ALL UNITS TO BE CSA CERTIFIED. 5. EMERGENCY LIGHTING LIGHT LEVELS ARE TO BE TAKEN IN FOOT CANDLES BY THE CONTRACTOR AFTER PROJECT COMPLETION. ADVISE CONSULTANT OF TEST DATE FOR WITNESS AND OWN READINGS.		

ELECTRICAL ABBREVIATIONS	
EX	EXISTING TO REMAIN
D	EXISTING TO BE REMOVED C/W CONDUIT/WIRING BACK TO SOURCE
RL	EXISTING TO BE RELOCATED. EXTEND FEED AS REQUIRED.
WG	PROVIDE WIRE GUARD OR VANDAL COVER
EM	EMERGENCY LIGHTING
RR	EXISTING TO BE REMOVED AND REPLACED WITH NEW
TR	TAMPER RESISTANT

LIGHT FIXTURE SCHEDULE			
TAG	DESCRIPTION	MAKE / MODEL	ALTERNATE
	EXISTING LIGHT TO BE REMOVED	DEMO	LITHONIA PEERLESS-ELECTRIC COOPER [NO PET] CREE LIGHTING
	EXISTING LIGHT TO BE REMOVED	DEMO	
	EXISTING LIGHT SWITCH TO BE REMOVED	DEMO	
	LAY-IN T-BAR 1x4 LED FIXTURE, STANDARD LENS, 347V, SURFACE MOUNT KIT	LRTA1x4-LED40K035L347 C/W KIT00373	
	INDOOR RECESSED CEILING MOUNTED 4" WET RATED LED POTLIGHT, STANDARD LENS, 347V	LIGHTOLIER, MODULYTE M4RDL259CSMCL-Z103	HUBBELL LEGRAND ACUITY CONTROLS
	LAY-IN T-BAR 1x4 LED FIXTURE, STANDARD LENS, 347V, DRYWALL KIT	LED RECESSED TYPE A, LEVITON LRTA1x4-LED840K035L347 C/W KIT00136	
	CEILING MOUNTED DUAL TECHNOLOGY LOW PROFILE OCCUPANCY SENSOR 24V, INCLUDE POWER PACKS AS REQUIRED	LEVITON OSC10-MDW	HUBBELL LEGRAND ACUITY CONTROLS
	SWITCH PLATE MOUNTED PASSIVE INFRARED OCCUPANCY SENSOR WITH BUTTON, WHITE, 24V	LEVITON ODS10-IDW	HUBBELL LEGRAND ACUITY CONTROLS

POWER LEGEND		
TAG	DESCRIPTION	MAKE/MODEL
	HAND DRYER	COMAC, ONE C-100000000
	15A 120V 1PH GROUNDED DUPLEX RECEPTACLE	HUBBELL BR15WHI OR EQUAL
	15A 120V 1PH GROUND FAULT CIRCUIT INTERRUPTING DUPLEX RECEPTACLE C/W STAINLESS STEEL COVER PLATE	HUBBELL GF15WLA OR EQUAL
	20A 120V 1PH GROUNDED DUPLEX RECEPTACLE C/W STAINLESS STEEL COVER PLATE	HUBBELL BR20WHI OR EQUAL
	EXISTING 50A 240V 1PH GROUNDED RECEPTACLE TO BE REMOVED	DEMO
	120V 1PH GROUNDED DIRECT EQUIPMENT CONNECTION	
	EXISTING 575V 3PH GROUNDED DIRECT EQUIPMENT CONNECTION	EXISTING
	JUNCTION BOX	
	POWER DOOR OPERATOR BY GENERAL CONTRACTOR. PROVIDE 120V POWER TO DOOR OPERATOR AND INTERLOCK WIRING BETWEEN OPERATOR AND WALL PUSH BUTTON	
	EMERGENCY911 CALL BUTTON. SUPPLIED AND INSTALLED BY GENERAL WITH DOOR HARDWARE. PROVIDE BACK BOX, CONDUIT C/W PULL STRING TO DOOR CONTROLLER IN CEILING SPACE.	
	PUSH TO LOCK. SUPPLIED AND INSTALLED BY GENERAL WITH DOOR HARDWARE. PROVIDE BACK BOX CONDUIT C/W PULL STRING TO DOOR CONTROLLER IN CEILING SPACE.	
	EMERGENCY AUDIBLE/VISUAL DEVICE. SUPPLIED AND INSTALLED BY GENERAL WITH DOOR HARDWARE. PROVIDE BACK BOX CONDUIT C/W PULL STRING TO DOOR CONTROLLER IN CEILING SPACE.	
	"PUSH TO OPEN" FOR BARRIER FREE OR REGULAR DOOR CONTROL BY GENERAL CONTRACTOR. PROVIDE CONCEALED CONDUIT UP WALL TO DOOR OPERATOR C/W INTERLOCK WIRING TO DOOR OPERATOR.	
	EXISTING DISCONNECT SWITCH TO BE REMOVED	DEMO
	EXISTING TRANSFORMER	DEMO
	PANEL	
	MANUAL MOTOR STARTER. RATED TO SUIT LOAD.	FRANKLIN BAS-1P
	WALL CONTROL SENSOR BY MECHANICAL. ELECTRICAL TO PROVIDE BACK BOX, EMPTY CONDUIT UP WALL C/W PULL STRING. PROVIDE WIREMOLD BACK BOX AND CONDUIT WHERE 'SM' IS NOTED.	

COMMUNICATIONS LEGEND		
TAG	DESCRIPTION	MAKE/MODEL
	EXISTING ACCESS POINT	EXISTING
	WALL MOUNTED P.A. SPEAKER	
	MUSIC SPEAKER	
	VOICE ONLY OUTLET BOX - WALL BOX, OUTLET & 3/4" CONDUIT C/W PULL STRING UP WALL TO CEILING SPACE	
	WALL MOUNTED TELEVISION VIDEO OUTLET - WALL BOX, OUTLET & 2" CONDUIT C/W PULL STRING UP WALL TO CEILING SPACE. C=COAX, V=VGA, H=HDMI	
	CEILING MOUNTED P.A. SPEAKER	
	MOTION SENSOR	
	DOOR CONTACT	
	ELECTRIC STRIKE BY GENERAL CONTRACTOR. ELECTRICAL CONTRACTOR TO PROVIDE WIRING.	

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2	2025-07-02	Issued for Client Review	SS	
1	2025-06-09	Issued for Review	SS	
No.	Date	Description	By	

STAMPS:



DESIGNED BY: _____ APPROVED BY: _____

CONSULTANT(S):
ENGINEER:
 415 Baseline Road West Bowmanville, ON L1C 5M2 T 905.697.4464 F 905.697.0443 www.cima.ca
CLIENT:

GOW HASTINGS ARCHTECT

275 Spadina Road, Toronto ON
M5R 2V3

PROJECT NAME: DURHAM DISTRICT SCHOOL BOARD
PINE RIDGE S. S.
CHANGEROOM RENOVATION
2155 LIVERPOOL RD, PICKERING, ON L1X 1W1

LEGENDS AND NOTES

DISCIPLINE: ELECTRICAL	
DRAFTER: RJC/CJB	SCALE: AS NOTED
DESIGNER: SS	DATE: 2025-07-15
APPROVER: LC	CHECKER: LC
PROJECT No.: Z0023519	DRAWING No.: E-001
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FIRE ALARM SCOPE OF WORK:

1. 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.

2. INSTALL NEW ADDRESSABLE DEVICES OF TYPE AS INDICATED ON DRAWINGS.

3. ADD ADDITIONAL HORN-STROBES AND STROBES AS INDICATED. FIRE ALARM MANUFACTURER TO CONFIRM CIRCUIT LOADING PRIOR TO PRICING IF CONNECTING NEW DEVICES TO EXISTING CIRCUITS.

4. UPDATE EXISTING 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.

5. ALL DEVICE AND SIGNAL CIRCUITS TO BE WIRED AS CLASS B. PROVIDE TWO (2) CIRCUITS, CIRCUIT A & CIRCUIT B, FOR SIGNAL CIRCUITS.

6. TIE NEW RTUs INTO FIRE ALARM PANEL FOR FAN SHUT DOWN. COORDINATE WITH MECHANICAL CONTRACTOR FOR FIRE ALARM TIE-IN POINT (VFD OR UNIT) TO ENSURE UNIT SHUT DOWNS.

7. NEW END OF LINE RESISTORS TO BE MOUNTED BY FIRE ALARM CONTROL PANEL.

8. ALL AIR HANDLING UNITS REQUIRED TO HAVE DUCT SMOKES SHALL INCLUDE REMOTE INDICATOR LAMP. CONTRACTOR TO CONFIRM IF REQUIRED BASED ON INSTALLATION TO SUIT CODE REQUIREMENTS.

9. PROVIDE NEW FIRE ALARM ZONES FOR NEW DUCT SMOKE DETECTORS FOR AIR HANDLING UNITS.

10. 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.

11. INCLUDE FOR ALL CUTTING AND CORING NECESSARY FOR THE INSTALLATION, COORDINATE PATCHING WITH GENERAL CONTRACTOR. INCLUDE FOR ALL CUTTING, CORING, AND PATCHING NECESSARY FOR THE INSTALLATION. PATCHING SHALL BE SUBJECT TO OWNER'S APPROVAL. REMOVE AND REPLACE CEILING TILES IN AREA OF WORK. REPLACE ANY BROKEN CEILING TILES TO MATCH EXISTING.

12. PROVIDE POWER & TWO (2) REDUNDANT LINES OF COMMUNICATION (DATA AND PHONE) COMPLETE WITH DEDICATED SECURITY PANEL FOR MONITORING. OBTAIN THE SERVICES OF OWNER FIRE ALARM SERVICE VENDER (NOTED ON DRAWINGS) TO SUPPLY AND INSTALL ALL COMPONENTS FOR MONITORING. COORDINATE DEMARCATION POINT WITH MONITORING COMPANY. MONITORING SHALL CONFORM TO CAN/ULC-S551. INCLUDE AND INVOLVE YRDSB FOR FINAL CONNECTIONS AND TESTING. OBTAIN THE SERVICES OF METEOR TO ENERGIZE THE PHONE LINE.

13. OBTAIN A BUILDING PERMIT, ESA PERMIT AND ANY OTHER REQUIRED PERMITS. PAY FOR ALL FEES ASSOCIATED WITH SAME.

14. 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.
15. CONFIRM SIGNAL TO FIRE ALARM DEPARTMENT WITH MONITORING COMPANY.

16. ELECTRICAL CONTRACTOR IS TO RETAIN THE SERVICES OF A CERTIFIED S1001 CONSULTANT TO CONDUCT THE S1001 TESTING AND VERIFICATION AS REQUIRED BY THE OBC AND APPLICABLE STANDARD.

17. 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 DOES NOT NEED TO BE FROM FIRE ALARM MANUFACTURER. THIRD PARTY VERIFICATION IS ACCEPTABLE. CONTRACTOR TO PROVIDE WARRANTY ON FIRE ALARM PRODUCTS EQUAL TO MANUFACTURER'S WARRANTY IF THIRD PARTY VERIFICATION NEGATES MANUFACTURER'S WARRANTY.]

18. TEST AND VERIFY ALL MAG LOCK RELEASES, DOOR RELEASE MECHANISMS, FAN SHUTDOWNS, FIRE ALARM DOORS AND ALL OTHER INTERLOCKS.

19. PERFORM AUDIBILITY TESTS AS PER ONTARIO FIRE CODE (MINIMUM 65DBA, MAXIMUM 100DBA THROUGHOUT) AND PROVIDE REPORT TO THE CONSULTANT. ALL SPACES WITHIN THE PROJECT AREA MUST BE TESTED. DOORS SHALL BE CLOSED DURING TESTING. CONTRACTOR AND VERIFIER TO ALLOW FOR SYSTEM MODIFICATIONS AND REVERIFICATIONS AS REQUIRED TO MEET AUDIBILITY REQUIREMENTS.

20. PROVIDE VERIFICATION REPORT AND AUDIBILITY TESTS TO THE CONSULTANT FOR REVIEW. SUBMIT FINAL COPY OF REPORT TO THE BUILDING DEPARTMENT/FIRE PREVENTION.

21. ARRANGE FOR A SITE INSPECTION BY THE BUILDING DEPARTMENT/FIRE PREVENTION, CONSULTANT AND ESA AT COMPLETION OF THE PROJECT FOR FINAL ACCEPTANCE. PERFORM ADDITIONAL AUDIBILITY TESTS AS REQUESTED.

22. PROVIDE ALL CLOSE OUT DOCUMENTS FOR INCLUSION INTO MAINTENANCE MANUALS. PROVIDE ELECTRONIC COPY IN PDF FORMAT OF MAINTENANCE MANUALS TO OWNER COMPLETE WITH THE FOLLOWING:

- TABLE OF CONTENTS

- CONTRACTOR INFORMATION

- WARRANTY LETTER

- VERIFICATION REPORT

- ESA CERTIFICATE

- SHOP DRAWINGS (REVIEWED AND STAMPED BY THE CONSULTANT AS PART OF SHOP DRAWING SUBMITTALS)

- MAINTENANCE MANUAL AND SCHEDULES SUBMIT TO THE CONSULTANT FOR REVIEW PRIOR TO HANDING OVER TO THE OWNER.

- AS-BUILT DRAWINGS

23. TRAIN THE OWNER ON OPERATION OF THE FIRE ALARM SYSTEM. PROVIDE INSTRUCTION AS REQUIRED. INSTRUCTION SHALL BE MADE AVAILABLE TO THE LOCAL MUNICIPAL FIRE DEPARTMENT IF REQUESTED BY THE LOCAL AUTHORITY HAVING JURISDICTION.

24. PROVIDE BATTERY CABINET EQUAL TO MIRCOM BC-160 TO HOUSE SPARE PARTS INCLUDED IN PROJECT. PROVIDE LABEL INDICATING "FIRE ALARM SPARE PARTS" AND PAPER COPY OF PARTS LIST WITHIN THE ENCLOSURE.

25. CONTRACTOR SHALL INCLUDE THE COST TO SUPPLY AND INSTALL QUANTITY OF ADDITIONAL DEVICES LISTED BELOW AS DEEMED NECESSARY TO BE INSTALLED BY THE CONSULTANT OR BUILDING DEPARTMENT AFTER FIRST VERIFICATION. UNUSED DEVICES ARE TO BE TURNED OVER TO OWNER. COST TO INCLUDE REMOBILIZATION IF REQUIRED.

.1 FIRE ALARM SMOKE DETECTOR — FIVE (5)

.2 FIRE ALARM HEAT DETECTOR - FIVE (5)

.3 FIRE ALARM AUDIBLE/VISUAL — TEN (10)

.4 FIRE ALARM PULL STATION - FIVE (5)

.5 FA DEVICE DB REDUCER - TEN (10)

GENERAL NOTES:

1. WORK TO BE COMPLETED OUTSIDE OF REGULAR WORKING HOURS:

.1 ANY WORK THAT CREATES DISRUPTION TO REGULAR SCHOOL OR OCCUPANT ACTIVITIES AND OPERATIONS SHALL BE DONE OUTSIDE OF REGULAR SCHOOL HOURS. THIS INCLUDES BUT IS NOT LIMITED TO SERVICE INTERRUPTIONS, WORK THAT GENERATES NOISE, WORK THAT GENERATES VIBRATIONS, WORK THAT GENERATES FUMES/SMELLS, ETC.

.2 ANY WORK INSIDE OR OUTSIDE, THAT CREATES RISK TO BUILDING OCCUPANTS SHALL BE DONE OUTSIDE OF REGULAR SCHOOL HOURS.

2. THOROUGHLY REVIEW AND COORDINATE WITH SITE CONDITIONS AND COMPLETE DRAWING SET PRIOR TO PRICING AND INSTALLATION.

3. OBTAIN, ARRANGE AND PAY FOR ALL REQUIRED PERMITS, INSPECTIONS AND NOTICE OF PROJECT.

4. OBTAIN AND REVIEW THE DESIGNATED SUBSTANCE REPORT FROM THE CLIENT AND COORDINATE ANY DESIGNATED SUBSTANCE ISSUES WITH THE CLIENT PRIOR TO ANY WORK BEING DONE.

5. THE ELECTRICAL CONTRACTOR AND SUB-TRADES SHALL ATTEND ALL SITE MEETINGS UNLESS OTHERWISE APPROVED.

6. 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.

7. INSTALL ALL WORK IN CONFORMANCE WITH MANUFACTURER'S REQUIREMENTS AND RECOMMENDATIONS.

8. MAINTAIN RECORD DRAWINGS ON AN ON-GOING BASIS. DRAWINGS SHALL BE AVAILABLE FOR PERIODIC REVIEW BY THE CONSULTANT DURING CONSTRUCTION.

9. ALL WORK SHALL COMPLY WITH APPLICABLE CODES.

10. 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.

11. ALL CUTTING, CORING, AND PATCHING SHALL BE BY THIS CONTRACTOR.

12. ANY FEED TO NEW ROOFTOP EQUIPMENT SHALL BE INSTALLED WITH GOOSENECK STYLE PITCH POCKET EQUAL TO THALER METAL MEF-2A. SIZE AS REQUIRED TO SUIT FEED. COORDINATE ROOFING WORK WITH GENERAL CONTRACTOR OR OWNER AS REQUIRED PRIOR TO INSTALLATION.

13. ALL CONDUIT SHALL BE CONCEALED AND ALL DEVICES RECESSED. ANY SURFACE MOUNTED CONDUIT MUST BE APPROVED BY OWNER OR CONSULTANT PRIOR TO INSTALLATION.

14. MAINTAIN REQUIRED ACCESS AND CLEARANCE TO ALL EQUIPMENT AND SYSTEMS AS REQUIRED BY CODE AND AS PER MANUFACTURER'S REQUIREMENTS.

15. PROVIDE ACCESS DOORS WHERE REQUIRED TO MAINTAIN ACCESS TO DEVICES, EQUIPMENT, JUNCTION BOXES ETC. COORDINATE AND TURN OVER TO GENERAL CONTRACTOR FOR INSTALLATION. CONTRACTOR TO INSTALL WHERE NOT COORDINATED PROPERLY WITH GENERAL CONTRACTOR.

16. TAG ALL EQUIPMENT (INCLUDING MECHNICAL EQUIPMENT), EQUIPMENT DISCONNECTS/STARTERS AND PANELS WITH LAMECOID 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

17. 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.

18. 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.

19. PERFORM TESTING OF ALL SYSTEMS AS REQUIRED BY CODE AND THE CONSULTANT.

20. ASSIST WITH START-UP AND COMMISIONING OF ALL SYSTEMS AS REQUIRED.

21. INSTRUCT AND TRAIN THE OWNER ON PROPER OPERATION OF THE SYSTEM.

22. 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 TAXESTO BE PAID DIRECTLY TO THE CONSULTANT PRIOR TO PERFORMING THE NEXT FIELD REVIEW.

23. PROVIDE ONE (1) YEAR WARRANTY ON ALL MATERIAL AND LABOUR FROM THE DATE OF SUBSTANTIAL COMPLETION.

24. PROGRESS DRAWINGS 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 CIMA+ ALONG WITH PICTURES AS REQUESTED BY CONSULTANT.

25. PROVIDE ONE (1) COPY VIA EMAIL IN PDF FORMAT OF WARRANTY LETTER, ESA CERTIFICATE, FIRE ALARM VERIFICATION REPORT, EMERGENCY LIGHTING TEST REPORT, SHOP DRAWINGS, 0&Ms, ANY OTHER REQUIRED REPORTS AND AS-BUILT DRAWINGS INCLUDING ALL PANEL SCHEDULES. AS-BUILT DRAWINGS SHALL INCLUDE COMPLETE ELECTRICAL DRAWING SET WITH ANY CHANGES MARKED CLEARLY AND NEATLY IN COLOUR. SUBSTANTIAL COMPLETION WILL NOT BE AWARDED UNTIL THIS INFORMATION IS SUBMITTED TO THE CONSULTANT AN THE CONSULTANT HAS APPROVED. PROVIDE ALL CLOSE-OUT DOCUMENTATION TO PRIME CONTRACTOR FOR INCLUSION IN MAINTENANCE MANUAL.

26. PROVIDE TEMPORARY LIGHTING THROUGH CONSTRUCTION AS NEEDED.

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).

1. T-BAR CEILING SPACES.
2. 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).

RIGID CONDUIT MUST BE USED IN THE FOLLOWING OUTDOOR APPLICATIONS:

1. ALL OUTDOOR WIRING EXCEPT FOR LAST 5'(1.5M). FINAL CONNECTION TO BE IN LIQUIDTIGHT.

[NOTE: ROMEX IS AN ACCEPTABLE ALTERNATE FOR ALL INDOOR WIRING IN WOOD CONSTRUCTION BUILDINGS. HORIZONTAL FLEXIBLE CABLE THROUGH STEEL/WOOD STUDS IS NOT PERMITTED. IF INSTALLED IT WILL BE REMOVED AT NO EXTRA COST AND REINSTALLED TO MEET THIS SPECIFICATIONS]

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 FOR PROVIDING ALL INFRASTRUCTURE FOR COMMUNICATION CABLING INCLUDING BUT NOT LIMITED TO BACK BOXESM CONDUIT UP WALL WITH PULL STRING AND INSULATING BUSHES, 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 NOT TO 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. PROVIDE 4' AND 6' CAT6 PATCH CABLES AT WORKSTATION END AS REQUIRED TO SUIT INSTALLATION. COORDINATE WITH DDSB.

10. ANY HORIZONTAL EXPOSED CABLE SHALL BE RUN IN WIREMOLD 500/700 SERIES UNLESS OTHERWISE SPECIFIED.

11. CONTRACTOR TO TEST ALL DATA AND PHONE DROPS AND SUBMIT REPORT TO CONSULTANT. REPORT SHALL BE INCLUDED IN MAINTENANCE MANUAL.

12. COMMUNICATION CONTRACTOR TO PROVIDE ONE YEAR WARRANTY ON ALL MATERIAL AND LABOUR.

13. COST OF SUB-CONTRACTOR TO BE CARRIED OUT UNDER CASH-ALLOWANCE APPROVED BY SUB-CONTRACTOR: ANY CERTIFIED PANDUIT COMMUNICATIONS CONTRACTOR

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CONSULTANT(S):

ENGINEER:

CIMA+

415 Baseline Road West
Bowmanville, ON L1C 5M2
T 905.697.4464 F 905.697.0443
www.cima.ca

CLIENT:

GOW HASTINGS ARCHTECT

275 Spadina Road, Toronto ON
M5R 2V3

PROJECT NAME:

DURHAM DISTRICT SCHOOL BOARD
PINE RIDGE S. S.
CHANGEROOM RENOVATION
2155 LIVERPOOL RD, PICKERING, ON L1X 1W1

SHEET TITLE:

NOTES

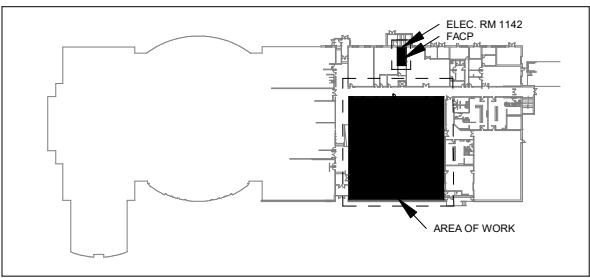
ELECTRICAL			
DRAFTER:	JB/RJC	SCALE:	AS NOTED
DESIGNER:	SS	DATE:	2025-07-15
APPROVER:	LC	CHECKER:	
PROJECT No:	Z0023519	DRAWING No:	E-002
SHEET No:	of		

WORKING NOTES:

1. PROVIDE NEW P.A. SPEAKER ROUGH-IN C/W CONDUIT IN CEILING SPACE. CONNECTION IS TO OFFICE ONLY. ALL WIRING TO BE CONCEALED.
2. PROVIDE AND INSTALL NEW FIRE ALARM DEVICES TO SUIT CONSTRUCTION.
3. CONTRACTOR TO INTERCEPT EXISTING LPD1 FEEDER IN CEILING SPACE AND EXTEND CONDUIT TO RELOCATED PANEL POSITION. ALLOW FOR NEW FEEDER BACK TO DISTRIBUTION PANEL. SEE SINGLE LINE FOR DETAILS.
4. EXISTING BRANCH CONDUITS INTO THE GYMNASIUM TO BE RECONNECTED TO NEW PANEL BOARD IN NEW LOCATION. CONTRACTOR SHALL PULL WIRING BACK TO NEAREST JUNCTION, TRENCH TO THE NEAREST VERTICAL SHAFT AND EXTEND INTO CEILING SPACE. COORDINATE ACCESS HATCHES AND PULL BOXES WITH GENERAL CONTRACTOR. NOT ALL BRANCH CONDUCTORS ARE SHOWN; CONTRACTOR SHALL REVIEW ON SITE. PROPOSED PLAN MAY BE ALTERED TO SUIT SITE CONDITIONS AT THE APPROVAL OF THE ENGINEER.
5. PROVIDE NEW PANEL BOARD TO SERVE GYM AND CHANGE ROOMS. EXTEND EXISTING FEEDS FROM JUNCTION BOX IN OLD GYM STORAGE ROOM TO NEW LOCATION AS REQUIRED. ALLOW FOR RE-FEEDING CIRCUITS AS NOTED. REFER TO SINGLE LINE AND PANEL SCHEDULE FOR DETAILS.
6. INSTALL RELOCATED VGA OUTPUT, RACKMOUNTED AMPLIFIER AND BLUETOOTH AUDIO SYSTEM AND ALL ASSOCIATED DEVICES IN LOCATION. EXACT LOCATION TO BE COORDINATED WITH GENERAL CONTRACTOR. CONTRACTOR TO RE-FEED EXISTING MUSIC SPEAKERS WITH NEW SPEAKER CABLE TO SUIT NEW LOCATION OF BLUETOOTH AUDIO SYSTEM.
7. PROVIDE AND INSTALL NEW AUTOMATIC DOOR OPERATORS C/W PUSH BUTTONS. SEE DETAILS.
8. PROVIDE AND INSTALL NEW AUDIBLE/VISUAL DEVICE AT BARRIER FREEDOORS. SEE DETAILS.
9. PROVIDE AND INSTALL NEW FIRE ALARM HORN STROBE AND INSTALL ON WALL 150mm BELOW CEILING.
10. PROVIDE AND INSTALL NEW FIRE ALARM STROBE AND INSTALL ON WALL 150mm BELOW CEILING.
11. PROVIDE AND INSTALL NEW PUSH TO LOCK BUTTONS C/W ELECTRIC STRIKE AND DOOR CONTACT. SEE DETAILS.
12. PROVIDE DOUBLE GANGROUGH IN FOR NEW EMERGENCY ASSISTANCE BUTTON C/W INDICATOR LAMP BACK TO DOOR HARDWARE CONTROLLER. SEE DETAILS.
13. PROVIDE NEW MAINTENANCE RECEPTACLE.
14. PROVIDE AND INSTALL NEW HAND DRYER C/W 120V DIRECT CONNECTION.
15. PROVIDE NEW TAMPER RESISTANT RECEPTACLE FOR WATER BOTTLE FOUNTAIN.
16. PROVIDE NEW 50A RECEPTACLE FOR STOVE.
17. PROVIDE NEW DISCONNECT RATED MANUAL STARTER TO SUIT NEW EXHAUST FANS AS INDICATED. PERMANENTLY TAG ALL EQUIPMENT.
18. PROVIDE NEW GFI RECEPTACLE AS NOTED.
19. PROVIDE 120V CONNECTION FOR MECHANICAL TRAP SEAL PRIMER. COORDINATE FINAL LOCATION ON SITE WITH MECHANICAL. COORDINATE JUNCTION BO LOCATION WITH ALL TRADES FOR SUITABLE ACCESS.
20. ALLOW FOR RE-FEEDING ROOM FROM NEW PANEL LOCATION TO C/W NEW CONDUIT AND FEEDERS. REFER TO PANEL SCHEDULE.

CONDUIT NOTE:

ALL FEEDS SHALL BE RECESSED IN WALLS OR CONCEALED IN CEILINGS. CUT INTO EXISTING WALLS IN WASHROOMS AND SHOWER AREAS WHERE WALLS ARE TO BE TILED. COORDINATE PATCHING WITH GENERAL CONTRACTOR.



KEY PLAN
N.T.S

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STAMPS:



DESIGNED BY

APPROVED BY

CONSULTANT(S):

ENGINEER:



415 Baseline Road West
Bowmanville, ON L1C 5M2
T 905.697.4464 F 905.697.0443
www.cima.ca

CLIENT:

GOW HASTINGS ARCHITECT
275 Spadina Road, Toronto ON
M5R 2V3

PROJECT NAME:

DURHAM DISTRICT SCHOOL BOARD
PINE RIDGE S. S.
CHANGEROOM RENOVATION
2155 LIVERPOOL RD, PICKERING, ON L1X 1W1

SHEET TITLE:

GROUND FLOOR - NEW POWER
LAYOUT

DISCIPLINE:

ELECTRICAL

DRAFTER:

RJC/JB

SCALE:

AS NOTED

DESIGNER:

SS

DATE:

2025-07-15

APPROVER:

LC

CHECKER:

LC

PROJECT No:

Z0023519

DRAWING No:

E-101

SHEET No:

of

WORKING NOTES:

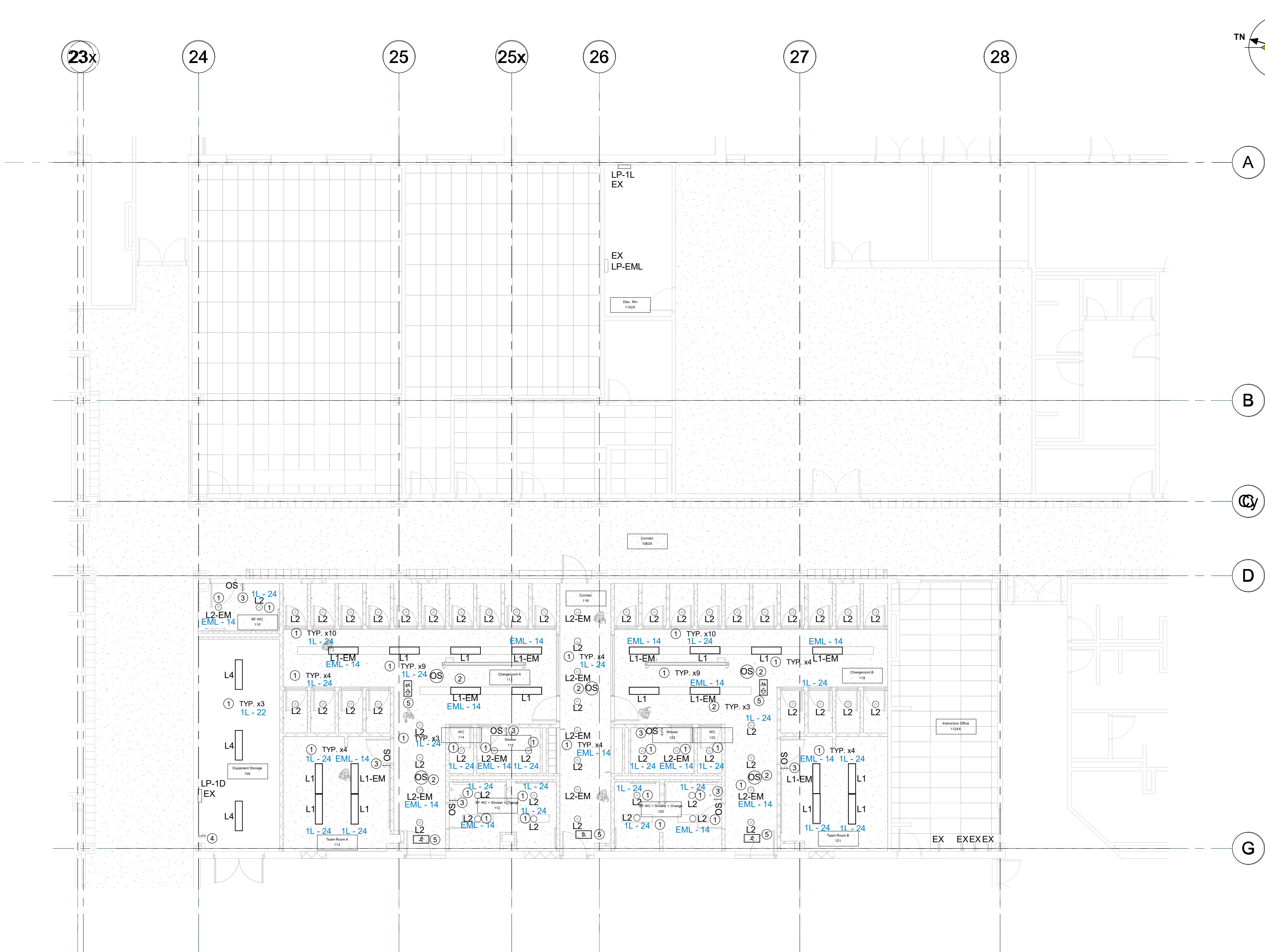
1. PROVIDE AND INSTALL NEW RECESSED DOWNLIGHT. CONTRACTOR SHALL REUTILIZE EXISTING NORMAL AND EMERGENCY LIGHTING CIRCUITS, GROUPED AS INDICATED.
2. PROVIDE NEW CEILING MOUNTED OCCUPANCY SENSOR FOR LIGHTING CONTROL.
3. PROVIDE NEW WALL MOUNTED OCCUPANCY SENSOR FOR LIGHTING CONTROL.
4. PROVIDE AND INSTALL NEW LIGHTING SWITCH TO CONTROL LOCAL LIGHTING.
5. PROVIDE NEW RUNNING PERSON EXIT SIGN. USE THE 120V CIRCUIT FROM NEAREST EXIT SIGN CIRCUIT TO CONNECT TO DEVICE. EXTEND CONDUIT AND WIRING AS REQUIRED. CONTRACTOR TO ENSURE EXISTING CIRCUIT DOES NTO SERVE ANY LOADS OTHER THAN EXIT SIGNS. IF THE CIRCUIT IS SHARED WITH OTHER LOADS, PROVIDE NEW 15A, 120V CIRCUIT FROM PANEL LP-1D-39.

CONDUIT NOTE:

ALL FEEDS SHALL BE RECESSED IN WALLS OR CONCEALED IN CEILINGS. CUT INTO EXISTING WALLS IN WASHROOMS AND SHOWER AREAS WHERE WALLS ARE TO BE TILED. COORDINATE PATCHING WITH GENERAL CONTRACTOR.

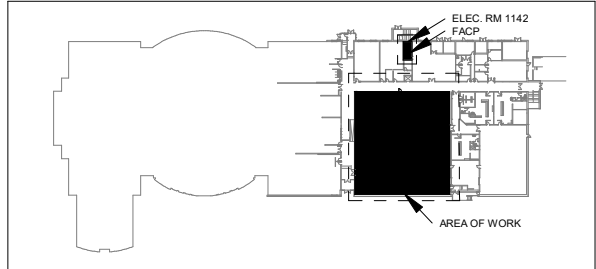
LIGHTING CIRCUITS

- 1) ALL L1 & L2 FIXTURES SHALL BE CIRCUITED TO IL-24 RETAINED FROM DEMOLITION.
- 2) ALL L4 FIXTURES SHALL BE CIRCUITED TO IL-22 RETAINED FROM DEMOLITION.
- 3) ALL L1-EM & L2-EM FIXTURES SHALL BE CIRCUITED TO EML-14 RETAINED FROM DEMOLITION AND SHALL BE NIGHT LIGHT AND NOT TIED TO ANY CONTROLS.



GROUND FLOOR - NEW LIGHTING LAYOUT

SCALE: 1 : 100



KEY PLAN
N.T.S

KEY PLAN

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Bowmanville, ON L1C 5M2
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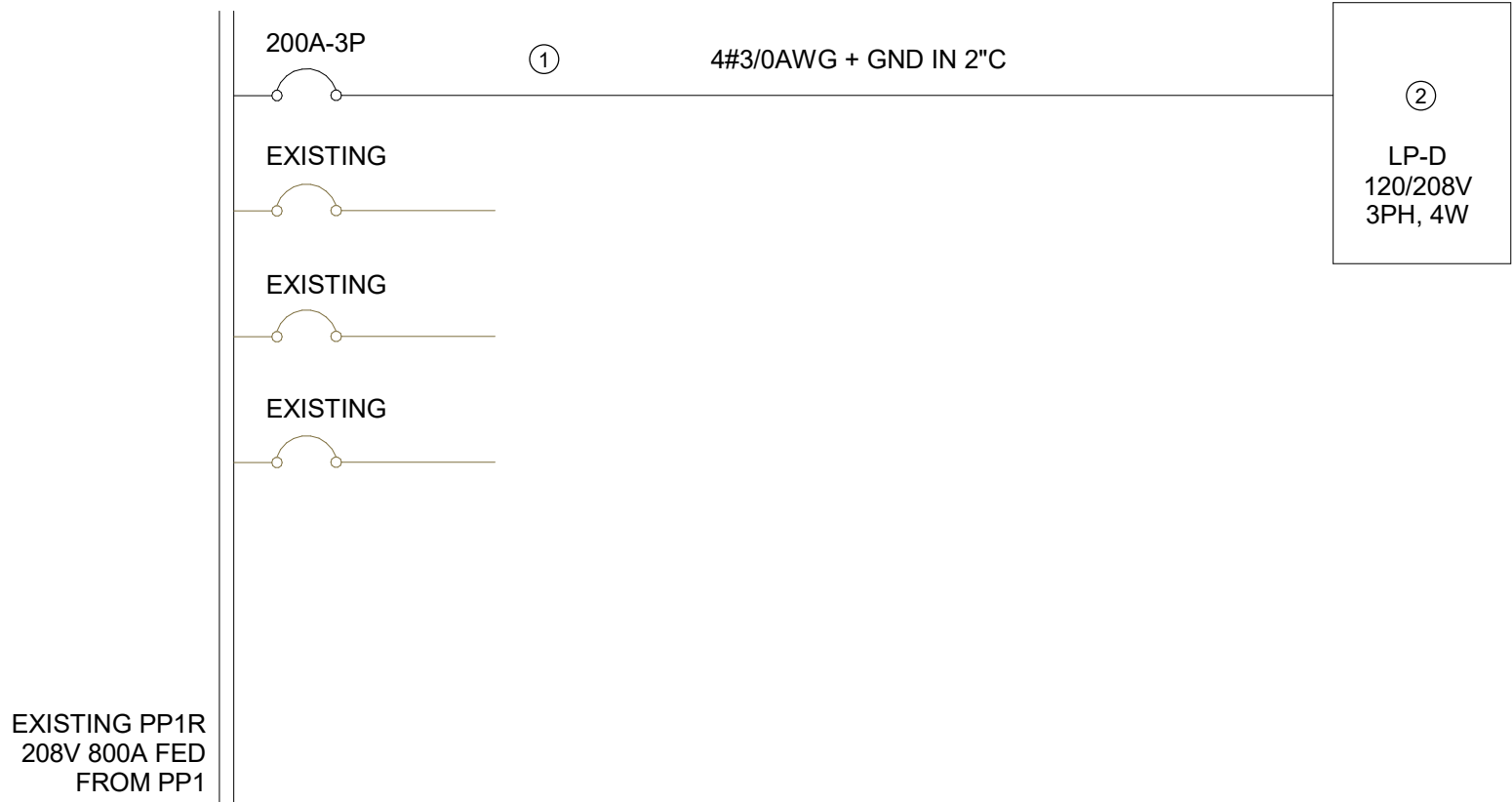
SHEET TITLE:

GROUND FLOOR - NEW LIGHTING
LAYOUT

DISCIPLINE:

ELECTRICAL

DRAFTER:	RJC	SCALE:	AS NOTED
DESIGNER:	SS	DATE:	2025-07-15
APPROVER:	LC	CHECKER:	LC
PROJECT No:	Z0023510	DRAWING No:	E-102
SHEET No:	of		



NOTES:

- ① PROVIDE NEW FEED TO PANEL LP-D FROM FEEDER BREAKER.
- ② PROVIDE NEW LP-D IN NEW LOCATION. REFER PANEL SCHEDULES AND LAYOUTS FOR DETAILS.

1 SINGLE LINE DIAGRAM

SCALE: N.T.S.

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No.	Date	Description	By

STAMPS:

2025-07-15

LICENSED PROFESSIONAL ENGINEER

S. R. SNOW

100505735

PROVINCE OF ONTARIO

DESIGNED BY

APPROVED BY

CONSULTANT(S):

ENGINEER:

CIMA+

415 Baseline Road West
Bowmanville, ON L1C 5M2
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SHEET TITLE:

SINGLE LINE DIAGRAM

DISCIPLINE: ELECTRICAL			
DRAFTER:	RJC/JB	SCALE:	AS NOTED
DESIGNER:	SS	DATE:	2025-07-15
APPROVER:	LC	CHECKER:	Checker
PROJECT No:	Z0023519	DRAWING No:	E-501
SHEET No:	of		

Branch Panel: LP-1D													
Location: Equipment Storage 109						Volts: 120/208 Wye				A.I.C. Rating: 10k			
Supply From:						Phases: 3				Mains Type: Lugs Only			
Mounting: Surface						Wires: 4				Mains Rating: 200 A			
Enclosure: Type 1										MCB Rating: 200 A			
Notes: REVISED LP-1D													
CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	REC ROOM 1124	15 A	1	0 VA	0 VA					1	30 A	HAIR DRYER 1120 #10	2
3	REC ROOM 1124	15 A	1			0 VA	0 VA			1	30 A	HAIR DRYER 1120	4
5	REC ROOM 1124 & 1125	15 A	1					0 VA	0 VA	1	30 A	HAIR DRYER 1120	6
7	REC ROOM 1123	15 A	1	0 VA	1725...					1	20 A	HAND DRYER 119	8
9	REC ROOM 1123	15 A	1			0 VA	1725...			1	20 A	HAND DRYER 119	10
11	REC ROOM 1123	15 A	1					0 VA	1725...	1	20 A	HAND DRYER 111	12
13	REC ROOM 1123	15 A	1	0 VA	1725...					1	20 A	HAND DRYER 111	14
15	Spare	15 A	1			0 VA	1725...			1	20 A	HAND DRYER 112	16
17	RM 1124 DESK LIGHTS	15 A	1					0 VA	1725...	1	20 A	HAND DRYER 120	18
19	N. SCOREBOARD	20 A	1	0 VA	1725...					1	20 A	HAND DRYER 110	20
21	S. SCOREBOARD	20 A	1			0 VA	360 VA			1	20 A	DOOR OPERATOR RMS 112 & 120	22
23	GYM WINCH MECHANISM	15 A	1					0 VA	360 VA	1	20 A	DOOR OPERATOR CORRIDOR 116 & WASHR...	24
25	GYM WINCH MECHANISM	15 A	1	0 VA	0 VA					3	15 A	GYM PARTITION	26
27	GYM WINCH MECHANISM	15 A	1			0 VA	0 VA			--	--	--	28
29	GYM WINCH MECHANISM	15 A	1					0 VA	0 VA	--	--	--	30
31	GYM WINCH MECHANISM	15 A	1	0 VA	0 VA					1	15 A	GYM CEILING FANS	32
33	GYM WINCH MECHANISM	15 A	1			0 VA	0 VA			1	15 A	GYM CEILING FANS	34
35	TRAP SEAL PRIMERS RM 110, 111, 119	15 A	1					540 VA	180 VA	1	20 A	WATER BOTTLE FILLER	36
37	EF-110 RM 110	15 A	1	180 VA	540 VA					1	20 A	CONV. RECEPTACLES	38
39	Spare	15 A	1			0 VA	0 VA			1	15 A	Spare	40
41	Spare	15 A	1					0 VA	0 VA	1	15 A	Spare	42
43	Spare	15 A	1	0 VA	0 VA					1	15 A	Spare	44
45	Spare	15 A	1			0 VA	0 VA			1	15 A	Spare	46
47	Spare	15 A	1					0 VA	0 VA	1	15 A	Spare	48
49	Spare	15 A	1	0 VA	0 VA					1	15 A	Spare	50
51	Spare	15 A	1			0 VA	0 VA			1	15 A	Spare	52
53	Spare	15 A	1					0 VA	0 VA	1	15 A	Spare	54
55	Spare	15 A	1	0 VA	0 VA					1	15 A	Spare	56
57	Spare	15 A	1			0 VA	0 VA			1	15 A	Spare	58
59	Spare	15 A	1					0 VA	0 VA	1	15 A	Spare	60
Total Load:				5895 VA		3810 VA		4530 VA					
Total Amps:				50 A		32 A		39 A					
Legend:													
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals					
Appliance - Dwelling Unit		12075 VA		75.00%		9056 VA							
Receptacle		2160 VA		100.00%		2160 VA							
								Total Conn. Load: 14235 VA					
								Total Est. Demand: 11216 VA					
								Total Conn.: 40 A					
								Total Est. Demand: 31 A					
Notes:													

Branch Panel: 1L													
Location: Elec. Rm 1142X						Volts: 347/600V				A.I.C. Rating:			
Supply From:						Phases: 3				Mains Type:			
Mounting: Surface						Wires: 4				Mains Rating: 100 A			
Enclosure: Type 1										MCB Rating: 225 A			
Notes: REVISED LP-1L													
CKT	Circuit Description	Trp	Poles	A		B		C		Poles	Trp	Circuit Description	CKT
1	LIGHTING RM 1021, 1022	20 A	1	0 VA	0 VA					1	20 A	LIGHTING RM 1082, 1006	2
3	LTG ROOM 1026	20 A	1			0 VA	0 VA			1	20 A	LIGHTING RM 1009, 1017	4
5	LTG ROOM 1034, 1027, 1032	20 A	1					0 VA	0 VA	1	20 A	LTG ROOM 1004, 1005	6
7	LTG ROOM 1037	20 A	1	0 VA	0 VA					1	20 A	LIGHTING ROOM 1047, 1049	8
9	LIGHTING ROOM 1036	20 A	1			0 VA	0 VA			1	20 A	LIGHTING ROOM 1076, 1073	10
11	UNKNOWN	15 A	1					0 VA	0 VA	1	20 A	LIGHTING ROOM 1075	12
13	LTG ROOM 1062, 1065	20 A	1	0 VA	0 VA					1	20 A	LIGHTING ROOM 1053, 1054	14
15	LTG ROOM 1046	20 A	1			0 VA	0 VA			1	20 A	LIGHTING ROOM 1084	16
17	LIGHTING ROOM 1046	20 A	1					0 VA	0 VA	1	20 A	LIGHTING ROOM 1090, 1041, 1085	18
19	NORTH CORRIDORS	20 A	1	0 VA	0 VA					1	20 A	LIGHTING ROOM 1086, 1092, CUSTODIAN...	20
21	NORTH CORRIDORS	20 A	1			0 VA	120 VA			1	20 A	LTG ROOM 109, 116, 1124	22
23	SOUTH CORRIDORS	20 A	1					0 VA	480 VA	1	20 A	LTG ROOM 111, 112, 113, 114, 119, 120, 121,....	24
25	STAIRWELL #1	20 A	1	0 VA	0 VA					1	20 A	LIGHTING ROOM 1120, 1121, 1122	26
27	OUTSIDE LTG	20 A	1			0 VA	0 VA			1	15 A	UNKNOWN	28
29	OUTSIDE LTG	20 A	1					0 VA	0 VA	1	20 A	Spare	30
31	UNKNOWN	15 A	1	0 VA	0 VA					3	20 A	PARKING LOT LIGHTS	32
33	UNKNOWN	15 A	1			0 VA	0 VA			--	--		34
35	UNKNOWN	15 A	1					0 VA	0 VA	--	--		36
37	UNKNOWN	15 A	1	0 VA	0 VA					2	15 A	OUTSIDE SIGN BY MAIN ENTRANCE	38
39	UNKNOWN	15 A	1			0 VA	0 VA			--	--		40
41	Space	--	1					--	--	1	--	Space	42
Total Load:				0 VA		120 VA		480 VA					
Total Amps:				0 A		0 A		1 A					
Legend:													
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals					
Lighting - Dwelling Unit		600 VA		100.00%		600 VA							
								Total Conn. Load: 600 VA					
								Total Est. Demand: 600 VA					
								Total Conn.: 1 A					
								Total Est. Demand: 1 A					
Notes:													

Branch Panel: LP-1D													
Location: BF WC + Shower + Change 112						Volts: 120/208 Wye				A.I.C. Rating:			
Supply From:						Phases: 3				Mains Type: Lugs Only			
Mounting: Surface						Wires: 4				Mains Rating: 100 A			
Enclosure: Type 1										MCB Rating: 200 A			
Notes: EXISTING LP-1D													
Circuits marked with "*" are to be re-fed from new panel location													
CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	REC ROOM 1124*	15 A	1	0 VA	0 VA					1	30 A	HAIR DRYER 1120 #10	2
3	REC ROOM 1124*	15 A	1			0 VA	0 VA			1	30 A	HAIR DRYER 1120	4
5	REC ROOM 1124 & 1125*	15 A	1					0 VA	0 VA	1	30 A	HAIR DRYER 1120	6
7	REC ROOM 1123*	15 A	1	0 VA	0 VA					1	30 A	HAIR DRYER 1125	8
9	REC ROOM 1123*	15 A	1			0 VA	0 VA			1	30 A	HAIR DRYER 1125	10
11	REC ROOM 1123*	15 A	1					0 VA	0 VA	1	30 A	HAIR DRYER 1125	12
13	REC ROOM 1123*	15 A	1	0 VA	0 VA					1	30 A	HAIR DRYER 1128	14
15	REC ROOM 1128, 1133, 1134	15 A	1			0 VA	0 VA			1	30 A	HAIR DRYER 1128	16
17	RM 1124 DESK LIGHTS	15 A	1					0 VA	0 VA	1	30 A	HAIR DRYER 1128	18
19	N. SCOREBOARD	20 A	1	0 VA	0 VA					1	30 A	HAIR DRYER 1133	20
21	S. SCOREBOARD	20 A	1			0 VA	0 VA			1	30 A	HAIR DRYER 1133	22
23	GYM WINCH MECHANISM	15 A	1					0 VA	0 VA	1	30 A	HAIR DRYER 1133	24
25	GYM WINCH MECHANISM	15 A	1	0 VA	0 VA					3	15 A	GYM PARTITION	26
27	GYM WINCH MECHANISM	15 A	1			0 VA	0 VA			--	--	--	28
29	GYM WINCH MECHANISM	15 A	1					0 VA	0 VA	--	--	--	30
31	GYM WINCH MECHANISM	15 A	1	0 VA	0 VA					1	15 A	GYM CEILING FANS	32
33	GYM WINCH MECHANISM	15 A	1			0 VA	0 VA			1	15 A	GYM CEILING FANS	34
35	REC RM 1137	15 A	1					0 VA	0 VA	1	15 A	Spare	36
37	SPARE	20 A	1	0 VA	0 VA					2	100 A	100A DISCONNECT	38
39	PANEL STOVE RECEPTACLE	50 A	2			0 VA	0 VA			--	--	--	40
41	--	--	--					0 VA	--	1	--	Space	42
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:													

Mains Type:
Mains Rating: 100 A
MCB Rating: 225 A

Notes:

2	2025-07-15	Issued for Permit & Tender	SS
1	2025-07-02	Issued for Client Review	SS
No.	Date	Description	By

STAMPS



ENGINEER



415 Baseline Road West
Bowmanville, ON L1C 5M2
T 905.697.4464 F 905.697.0443
www.cima.ca

CLIENT

PROJECT NAME: DURHAM DISTRICT SCHOOL BOARD
PINE RIDGE S. S.
CHANGEROOM RENOVATION
2155 LIVERPOOL RD, PICKERING, ON L1X 1W1

SHEET TITLE:

PANEL SCHEDULES

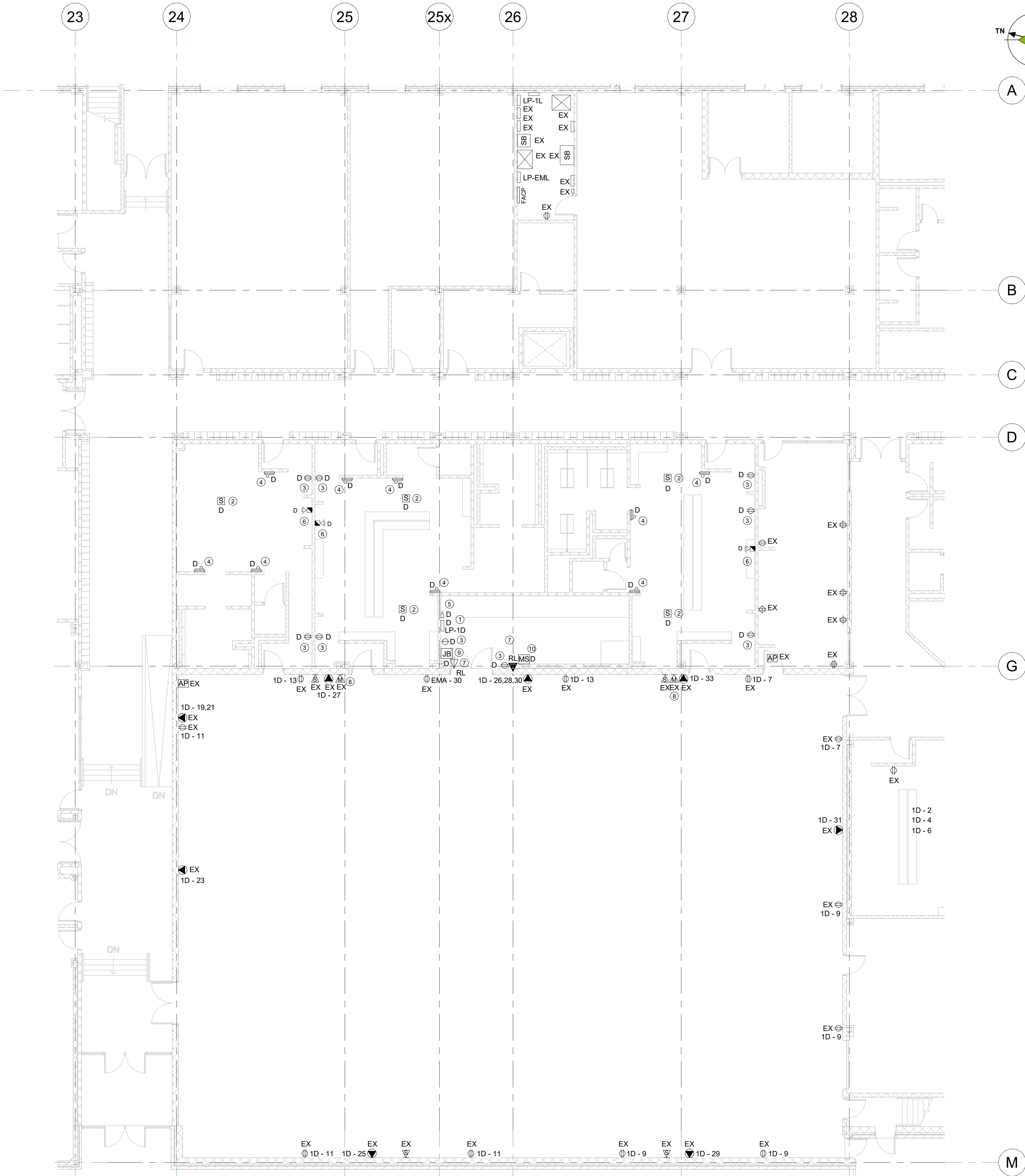
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ELECTRICAL

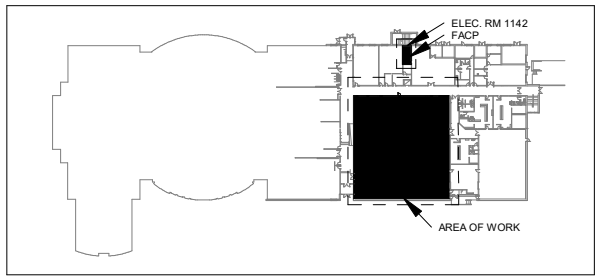
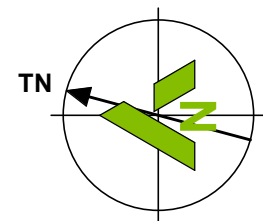
DRAFTER:	JB	SCALE:	AS NOTED
DESIGNER:	SS	DATE:	2025-07-15
APPROVER:	LC	CHECKER:	LC
PROJECT No:	Z0023519	DRAWING No:	E-602
SHEET No:	of		

WORKING NOTES:

1. DEMOLISH EXISTING LP-1D AND PROVIDE NEW PANEL IN STORAGE ROOM WITH THE SAME NAME. REMOVE EXISTING UNDERGROUND FEED BACK TO SOURCE. CUT ALL EXISTING UNDERGROUND CONDUITS FLUSH WITH FLOOR AND MAKE SAFE. ALL EXISTING UNDERGROUND WIRING TO BE REMOVED. CONTRACTOR TO INVESTIGATE INTERCEPTING EXISTING UNDERGROUND FEED FOR RECEPTACLES IN GYMNASIUM AND EXTENDING TO NEW PANEL LOCATION. REMOVE ALL EXISTING TO REMAIN LOADS BACK TO EXISTING CEILING MOUNTED JUNCTION BOX AND EXTEND TO NEW PANEL LOCATION. REFER TO PANEL SCHEDULE FOR LOADS TO BE RE-FED FROM NEW PANEL LOCATION. REFER TO NEW LAYOUTS, SINGLE LINE AND PANEL SCHEDULE FOR DETAILS.
2. REMOVE EXISTING P.A. SPEAKER INCLUDING BACK BOX. REMOVE FEED BACK TO NEAREST SOURCE.
3. DISCONNECT AND REMOVE RECEPTACLE C/W FEED BACK TO SOURCE.
4. DEMOLISH HAND DRYER AND FEED BACK TO SOURCE.
5. DEMOLISH EXISTING DISCONNECT AND FEED BACK TO SOURCE.
6. DEMOLISH EXISTING FIRE ALARM DEVICE. REMOVE FEED BACK TO NEAREST JUNCTION AND RETAIN FOR REUSE.
7. DISCONNECT AND REMOVE EXISTING VGA OUTPUT, RACKMOUNTED AMPLIFIER AND BLUETOOTH AUDIO SYSTEM AND ALL ASSOCIATED DEVICES C/W FEED, BACK TO NEAREST JUNCTION BOX AND MAKE SAFE. RETAIN FOR RELOCATION. CONTRACTOR TO CONFIRM EXISTING BLUETOOTH RECEIVER FEEDS MUSIC SPEAKERS IN THE GYMNASIUM AS NOTED.
8. EXISTING MUSIC SPEAKER TO BE PROTECTED FROM DEMOLITION OF BLOCK WALL.
9. DEMOLISH EXISTING JUNCTION BOX BACK TO SOURCE.
10. DEMOLISH EXISTING MOTION DETECTOR BACK TO SOURCE.



GROUND FLOOR - DEMO POWER LAYOUT
SCALE: 1 : 100



KEY PLAN
N.T.S.

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No.	Date	Description	By
3	2025-07-15	Issued for Permit & Tender	SS
2	2025-07-02	Issued for Client Review	SS
1	2025-06-09	Issued for Review	SS

STAMPS:



CONSULTANT(S):

ENGINEER:



415 Baseline Road West
Bowmanville, ON L1C 5M2
T 905.697.4464 F 905.697.0443
www.cima.ca

CLIENT:

GOW HASTINGS ARCHITECT
275 Spadina Road, Toronto ON
M5R 2V3

PROJECT NAME:

DURHAM DISTRICT SCHOOL BOARD
PINE RIDGE S. S.
CHANGEROOM RENOVATION
2155 LIVERPOOL RD, PICKERING, ON L1X 1W1

SHEET TITLE:

GROUND FLOOR - DEMO POWER LAYOUT

DISCIPLINE:

ELECTRICAL

DRAFTER:

RJC/JB

SCALE:

AS NOTED

DESIGNER:

SS

DATE:

2025-07-15

APPROVER:

LC

CHECKER:

LC

PROJECT No:

Z0023519

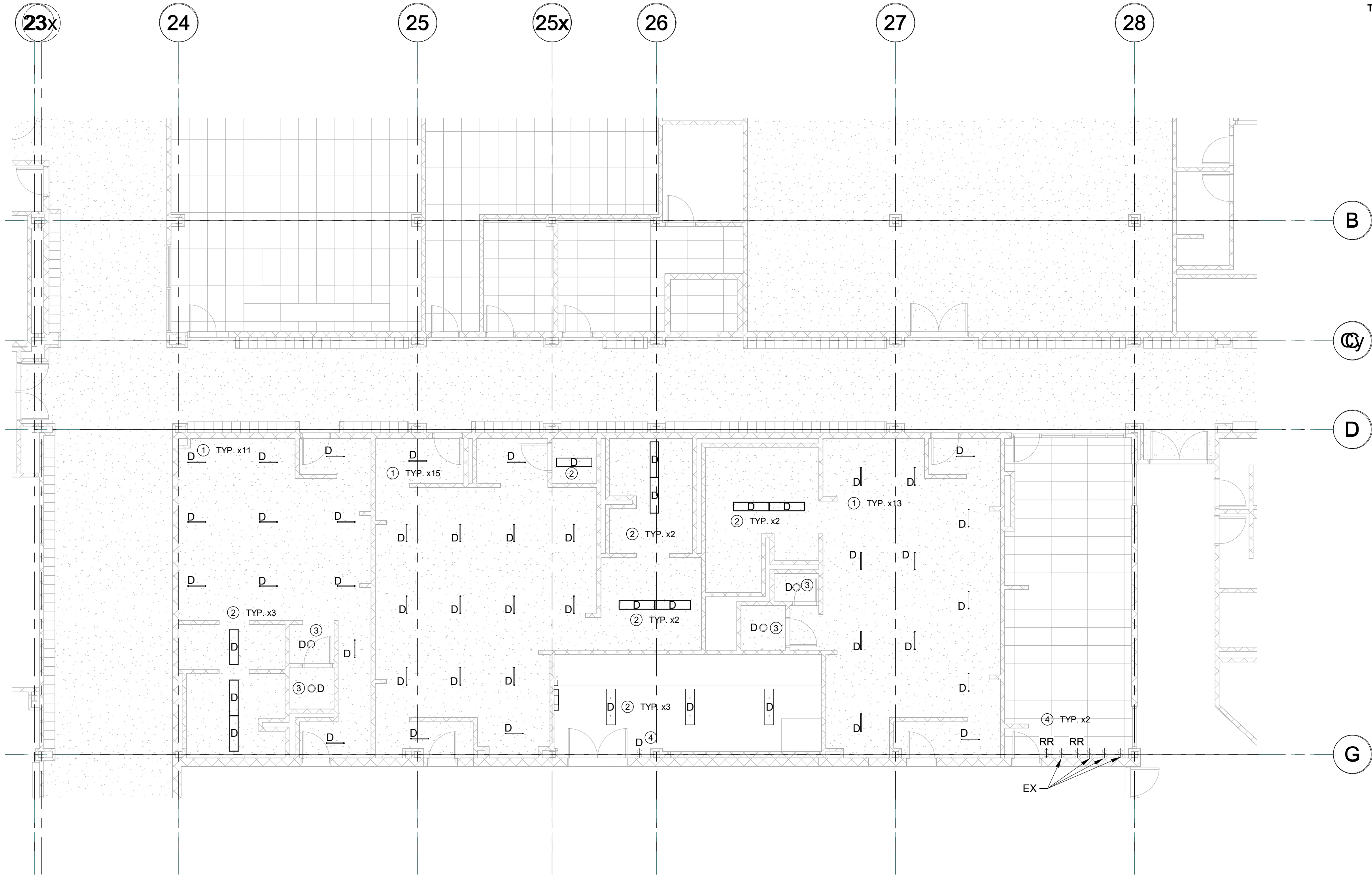
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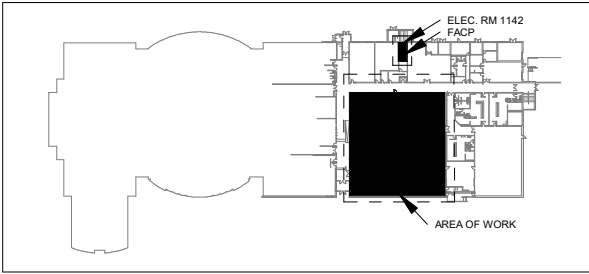
SHEET No:

of

- WORKING NOTES:**
1. DISCONNECT AND REMOVE EXISTING STRIP LIGHT. REMOVE WIRING BACK TO NEAREST JUNCTION BOX AND MAKE SAFE. RETAIN FOR REUSE WITH NEW LAYOUT. DISPOSE OF PROPERLY.
 2. DISCONNECT AND REMOVE EXISTING PENDANT LUMINAIRE. REMOVE WIRING BACK TO NEAREST JUNCTION BOX AND MAKE SAFE. RETAIN FOR REUSE WITH NEW LAYOUT. DISPOSE OF PROPERLY.
 3. DISCONNECT AND REMOVE EXISTING POT LIGHT. REMOVE WIRING BACK TO NEAREST JUNCTION BOX AND MAKE SAFE. RETAIN FOR REUSE WITH NEW LAYOUT. DISPOSE OF PROPERLY.
 4. CONTRACTOR TO DEMOLISH EXISTING 347V SWITCH SERVICING THE CHANGE ROOM. CONTRACTOR TO RETAIN EXISTING CIRCUIT FOR REUSE.



GROUND FLOOR - DEMO LIGHTING LAYOUT
SCALE: 1 : 100



KEY PLAN
N.T.S

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No.	Date	Description	By
3	2025-07-15	Issued for Permit & Tender	SS
2	2025-07-02	Issued for Client Review	SS
1	2025-06-09	Issued for Review	SS



CONSULTANT(S):

ENGINEER:

CIMA+
415 Baseline Road West
Bowmanville, ON L1C 5M2
T 905.697.4464 F 905.697.0443
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GOW HASTINGS ARCHITECT
275 Spadina Road, Toronto ON
M5R 2V3

PROJECT NAME:

DURHAM DISTRICT SCHOOL BOARD
**PINE RIDGE S. S.
CHANGEROOM RENOVATION**
2155 LIVERPOOL RD, PICKERING, ON L1X 1W1

SHEET TITLE:

**GROUND FLOOR - DEMO LIGHTING
LAYOUT PLAN**

DISCIPLINE: ELECTRICAL	
DRAFTER: RJC/UB	SCALE: AS NOTED
DESIGNER: SS	DATE: 2025-07-15
APPROVER: LC	CHECKER: LC
PROJECT No: Z0023519	DRAWING No: ED102
SHEET No: of	