

ELECTRICAL SPECIFICATIONS

A. GENERAL CONDITIONS

- CONFORM WITH LATEST EDITION OF THE ONTARIO BUILDING CODE (OBC), ONTARIO ELECTRICAL SAFETY CODE (OESC), CANADIAN STANDARDS ASSOCIATION (CSA), UNDERWRITERS LABORATORIES OF CANADA (ULC) AND LOCAL BY-LAWS AND AUTHORITIES HAVING JURISDICTION.
- MATERIALS & EQUIPMENT SHALL CARRY APPROVAL AND CONFORM WITH CSA OR ULC STANDARDS. INSTALLATION SHALL COMPLY WITH ALL RULES AND REGULATIONS REGARDING MATERIALS AND WORKMANSHIP CONFORMING TO CSA, OESC, OBC AND LOCAL AUTHORITIES HAVING JURISDICTION.
- VISIT JOB SITE PRIOR TO SUBMITTING TENDER AND EXAMINE ALL EXISTING CONDITIONS WHICH AFFECT THE WORK. NO EXTRAS WILL BE ALLOWED FOR FAILURE TO DO SO.
- SUPPLY AND INSTALL COMPLETE ELECTRICAL SYSTEMS AS SHOWN AND/OR SPECIFIED HEREIN. DRAWINGS SHALL BE USED FOR ROUTING PURPOSES ONLY; DO NOT SCALE DRAWINGS. PROVIDE ALL NECESSARY MATERIAL AND LABOUR ETC. TO PROVIDE COMPLETE SYSTEMS.
- FURNISH ALL REQUIRED LABOUR AND MATERIALS, MACHINERY, AND TOOLS, WITH ALL PROPER AND REQUIRED FACILITIES FOR MOVING AND TRANSPORTING SAME, SO THAT THE CONTRACT AND ALL WORK TO BE DONE UNDER IT, CAN AND WILL BE CARRIED OUT IN A PROFESSIONAL MANNER, PROPERLY, SATISFACTORILY, CONTINUOUSLY, AND EXPEDITIOUSLY, TO COMPLETION, IN ALL RESPECTS, TO THE SATISFACTION OF THE OWNER.
- MOUNTING HEIGHT OF EQUIPMENT IS FROM FINISHED FLOOR TO CENTER LINE OF EQUIPMENT, UNLESS SPECIFIED OR INDICATED OTHERWISE. IF MOUNTING HEIGHT OF EQUIPMENT IS NOT INDICATED, VERIFY BEFORE PROCEEDING WITH INSTALLATION. THE FOLLOWING IS GENERAL MOUNTING HEIGHTS:
 - GENERAL SWITCHES, DIMMERS: 1100mm (43")
 - WALL RECEPTACLES (GENERAL): 450mm (18")
 - DATA, VOIP, TELEPHONE OUTLETS: 450mm (18")
 - OUTLET ABOVE COUNTER: 150mm (6")
 - POWER DOOR OPERATORS: 1050mm (41")
 - PANEL BOARDS: 1700mm (67") (MAXIMUM FROM TOP BREAKER)
 - FIRE PULL STATION: 1150mm (45")
 - FIRE ALARM VISUAL, AUDIBLE OR COMBINATION OF BOTH DEVICES" 150mm (6") BELOW CEILING TO THE TOP OF THE DEVICE WHERE THE CEILING HEIGHT IS LESS THAN 2450mm (96") A.F.F. WHERE CEILING HEIGHT IS 2450mm (96") OR GREATER, MOUNT DEVICE AT 2300mm (90.5") A.F.F. TO THE TOP OF THE DEVICE.
- CO-ORDINATE ON SITE THE LOCATION OF EQUIPMENT, CONTROL DEVICES, SERVICE DISTRIBUTION SYSTEMS, ETC. COORDINATE WORK AND SCHEDULE WITH OTHER TRADES.
- AT ALL TIMES KEEP THE OWNER'S PROPERTY CLEAN AND IN TIDY CONDITION. CLEAN AFFECTED WORK AREA AND REMOVE ALL DEBRIS FROM EQUIPMENT. FOLLOW MANUFACTURERS' INSTALLATION AND STARTUP INSTRUCTIONS.
- PROVIDE WARNING SIGNS AND BARRIERS AS REQUIRED TO MEET INSPECTION DEPARTMENT'S REQUIREMENTS.
- DRAWINGS SHOW GENERAL INTENT OF WORK AND NOT THE DETAILS OF THE INSTALLATION.
- GUARANTEE IN WRITING ALL MATERIAL AND WORKMANSHIP INCLUDING THE MANUFACTURER'S GUARANTEE FOR THE MINIMUM PERIOD OF ONE (1) YEAR FROM THE DATE OF ACCEPTANCE UNLESS NOTED OTHERWISE IN MAIN FRONT END CONTRACT DOCUMENTS.
- NO EXTRA CHARGES SHALL BE HONOURED EXCEPT WHERE THE CONTRACTOR RECEIVES A WRITTEN ORDER COUNTER-SIGNED OR OTHERWISE APPROVED BY THE OWNER.
- AFTER THE APPROVAL OF DRAWINGS, THE RIGHT IS RESERVED TO MAKE REASONABLE CHANGES IN THE DESIGN OF THE WORK OR TO OMIT ANY SUCH PARTS AS THE OWNER MAY REQUIRE. IN THE CASE WHERE WORK OR MATERIAL IS ADDED TO OR DEDUCTED FOR THE WORK HEREIN SPECIFIED, A FAIR AND REASONABLE VALUATION OF THE SAME SHALL BE ADDED TO OR DEDUCTED FROM THE AMOUNT OF THIS CONTRACT.
- THE CONSULTANT RESERVES THE RIGHT TO SELECT THE FINAL PRODUCT AND OR OPTIONS/ACCESSORIES DURING SHOP DRAWING REVIEW AT NO ADDITIONAL COST TO THE OWNER IN THE CASE OF ANY DISCREPANCIES LISTED BETWEEN CATALOGUE NUMBERS, WRITTEN PRODUCT DESCRIPTIONS AND/OR DETAILS SHOWN ON THE DRAWINGS. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE CONSULTANT IN WRITING BEFORE TENDER CLOSES OF ANY DISCREPANCIES THAT MAY BE SHOWN ON THE DRAWINGS REGARDING LISTED PRODUCT SPECIFICATIONS AND CATALOGUE NUMBERS THAT MAY AFFECT PRICING AND GET CLARIFICATION ON THESE ITEMS BEFORE SUBMITTING FINAL TENDER PRICE. FAILURE OF THE ELECTRICAL CONTRACTOR TO REQUEST CLARIFICATIONS ON SUCH ITEMS DURING TENDER MAKES NULL AND VOID ANY FUTURE CLAIMS RELATING TO FINAL PRODUCT SELECTION BY THE CONSULTANT.
- ALL ELECTRICAL EQUIPMENT TO BE SPRINKLER PROOF.

B. SUBMITTALS

- BEFORE FABRICATION OF ANY MATERIALS OR EQUIPMENT, SUBMIT ONE (1) COPY OF DETAILED MANUFACTURER'S SHOP DRAWINGS OF EQUIPMENT AND APPARATUS FOR REVIEW. DO NOT ORDER MATERIALS UNTIL CONSULTANT HAS REVIEWED THE SHOP DRAWINGS. IF CORRECTIONS ARE REQUIRED, COPIES WILL BE RETURNED WITH CORRECTIONS NOTED. CORRECTED COPIES SHALL BE RESUBMITTED FOR REVIEW AND DISTRIBUTION. SUBMISSIONS SHALL BE MADE IN AMPLE TIME TO AVOID DELAYS IN THE WORK. THE REVIEW OF THE SHOP DRAWINGS SHALL BE, AND IS MUTUALLY UNDERSTOOD TO BE IN REFERENCE TO GENERAL DESIGN ONLY. IF ERRORS IN THE DETAILED DIMENSIONS OR INTERFERENCE WITH THE WORKS ARE NOTICED, THE ATTENTION OF THE CONTRACTOR WILL BE CALLED TO SUCH ERRORS OR INTERFERENCE, BUT REVIEW OF THE DRAWINGS SHALL NOT IN ANY WAY RELIEVE THIS CONTRACTOR OF RESPONSIBILITY FOR ERRORS OR INTERFERENCE, OR FROM THE NECESSITY OF FURNISHING SUCH WORKS AND MATERIALS AS MAY BE REQUIRED FOR THE COMPLETION OF THE WORK AT ANY TIME UNTIL FORMAL ACCEPTANCE.
- THE ELECTRICAL CONTRACTOR IS TO REVIEW, DATE AND SIGN ALL ELECTRICAL SHOP DRAWINGS PRIOR TO SUBMITTING TO THE CONSULTANT FOR REVIEW.
- THE ELECTRICAL CONTRACTOR TO PREPARE RECORD DRAWINGS (IN AUTOCAD AND PDF FORMATS) INCLUDING ALL CHANGES AND DEVIATIONS FROM CONSTRUCTION SET AND SUBMIT THEM TO THE CONSULTANT AND THE OWNER UPON THE COMPLETION OF THE PROJECT. AUTOCAD FILES CAN BE SUPPLIED BY THE CONSULTANT UPON REQUEST. THE CONSULTANT CAN PREPARE AS BUILT AUTOCAD DRAWINGS FOR THE ELECTRICAL CONTRACTOR FOR A NOMINAL FEE.
- THE FOLLOWING ITEMS ARE TO BE SUBMITTED TO THE CONSULTANT AND THE OWNER AT THE END OF THE PROJECT IN A HARD COVER, THREE-RING BINDER WITH TABS INDICATING EACH SECTION:
 - FINAL INSPECTION/VERIFICATION REPORTS FROM THE INSPECTION AUTHORITIES AND TESTING AGENCIES
 - MANUFACTURER'S SPECIFICATION SHEETS AND PHOTOMETRIC DATA FOR LIGHT FIXTURES
 - A COPY OF ALL FINAL REVIEWED SHOP DRAWINGS
 - AUTOCAD AND PDF RECORD DRAWINGS
 - OPERATING INSTRUCTIONS FOR EACH SYSTEM INCLUDING CONTROL AND WIRING DIAGRAMS
 - MANUFACTURER RECOMMENDED MAINTENANCE PROCEDURES AND SCHEDULES
 - ALL PANELBOARD TYPEWRITTEN DIRECTORIES
 - USB DRIVE WITH ELECTRONIC COPY OF ITEMS 4.1 TO 4.7

C. PERMITS, TEST, REGULATIONS, ETC.

- CARRY OUT ALL CHANGES AND ALTERATIONS REQUIRED BY THE AUTHORIZED INSPECTOR OF ANY AUTHORITY HAVING JURISDICTION WITHOUT DELAY TO THE PROGRESS OF THE WORK AND WITHOUT EXTRA COST.
- PROVIDE WARNING SIGNS AND ARC FLASH LABELS AS SPECIFIED OR TO MEET REQUIREMENTS OF O.E.S.C, INSPECTION DEPARTMENT AND THE CONSULTANT.
- UPON COMPLETION OF THE CONTRACT, ISSUE TO THE OWNER A FORMAL CERTIFICATION OF COMPLETION OF WORK BEFORE FINAL PAYMENT FOR WORK MAY BE CONSIDERED DUE.
- PAYMENTS FOR ALL PERMITS, DEPOSITS, INSPECTION, SERVICES, AND OTHER FEES NECESSARY FOR THE WORK SHALL BE INCLUDED IN THE TENDER.

D. MATERIALS

- ALL MATERIALS AND EQUIPMENT (PRODUCTS) TO BE NEW AND FREE OF DEFECTS, CSA, ULC OR CANADIAN RECOGNIZED CERTIFICATION.
- THIS IS A **BASE BID** SPECIFICATION. ITEMS ON THE DRAWINGS AND SUBSEQUENT DIVISIONS OF THESE SPECIFICATIONS ARE LISTED WITH THE NAMES OF A SPECIFIC MANUFACTURER, THE FIRST OF WHICH IS BASE BID AND HAS BEEN USED IN THE DESIGN AND IS THE EQUIPMENT SHOWN ON THE DRAWINGS. THE PRICE SUBMITTED FOR THIS CONTRACT SHALL BE BASED ON THE USE OF MATERIALS AND EQUIPMENT SPECIFIED AS THE BASE BID.
- WHERE MORE THAN ONE MANUFACTURER IS LISTED FOR A PARTICULAR ITEM OR GROUPS OF ITEMS, THE CONTRACTOR SHALL STATE IN HIS TENDER FORM COST SAVINGS (IF ANY) FOR THE USE OF ALTERNATE PRODUCTS, AND SHALL NAME THE ALTERNATE MANUFACTURERS. HOWEVER, THESE PROPOSED MATERIALS MUST NOT BE USED IN CALCULATING THE BASE TENDER PRICE. THE CONSULTANT AND/OR OWNER SHALL HAVE THE FINAL OPTION OF ACCEPTING OR REJECTING ALTERNATE EQUIPMENT.
- WHERE OTHER THAN A FIRST-NAMED PRODUCT IS PROPOSED, THE BIDDER WILL BE DEEMED TO REPRESENT THAT NAMED PRODUCT CONFORMS TO THE PERFORMANCE, QUALITY, SPACE AND WEIGHT CHARACTERISTICS OF THE BASE BID PRODUCT. THIS CONTRACTOR WILL BE RESPONSIBLE FOR ANY ADDITIONAL DESIGN OR CONSTRUCTION COSTS GENERATED BY THE USE OF THE NON-FIRST NAMED BID MATERIAL. ACCEPTANCE OF NON-BASE MANUFACTURERS WITH RESPECT TO THEIR EQUIVALENCY SHALL BE SUBJECT TO THE CONSULTANT'S REVIEW OF SHOP DRAWINGS.

E. WIRES AND CABLES

- ALL WIRING SHALL BE MINIMUM COPPER NO. 12 AWG WITH 600V INSULATION FOR 120/208V WIRING AND 1000V FOR 600V WIRING OF CHEMICALLY CROSS-LINKED THERMOSETTING POLYETHYLENE (XLPE) MATERIAL SUITABLE FOR 90° OPERATION. CONDUCTORS NO. 10 AWG AND LARGER SHALL BE STRANDED. CONDUCTOR SIZES SHALL BE IN ACCORDANCE WITH THE OESC AND AS INDICATED ON THE DRAWINGS. ALUMINIUM WIRING IS NOT ACCEPTABLE UNLESS NOTED OTHERWISE.
- ALL LOW VOLTAGE 6-24VDC EMERGENCY LIGHTING WIRING SHALL BE MINIMUM COPPER NO.10 AWG.
- AC90 CABLE MAY ONLY BE USED FOR SHORT RUNS WITH MAXIMUM DISTANCE OF 3660mm (12ft) TO LIGHT FIXTURES AND RECEPTACLES IN CONCEALED AREAS ONLY UNLESS NOTED OTHERWISE ON DRAWINGS. AC90 CABLE (INCLUDING FIRE ALARM) NOT TO BE USED IN OPEN CEILING AREAS, ELEVATOR SHAFT AND STAIRWELL.
- WHERE CONDUCTOR SIZES ARE NOT INDICATED THEY SHALL BE SIZED TO ENSURE THE VOLTAGE DROP DOES NOT EXCEED 2% FOR BRANCH CIRCUIT AND 3% FOR MAIN FEEDER AND THE REQUIREMENTS OF THE OESC.
- ALL RACEWAYS SHALL BE EQUIPPED WITH A GREEN INSULATED GROUND CONDUCTOR AND SHALL MEET THE REQUIREMENTS OF THE OESC.

G. WIRING DEVICES

- SWITCHES, RECEPTACLES AND OUTLETS TO BE DECORA STYLE, **WHITE COLOR** WITH **STAINLESS STEEL** COVER PLATES IN ALL LOCATIONS.
- RECEPTACLES TO BE TAMPER RESISTANT AND MARKED AS SUCH IN THE FOLLOWING SPACES:
 - PRESCHOOLS AND ELEMENTARY EDUCATION FACILITIES
- DUPLEX RECEPTACLES
 - 15 OR 20 AMP, 120 VOLT SPECIFICATION GRADE COMPLETE WITH BACK BOX
- TOGGLE SWITCHES TO BE 15 OR 20 AMP, 120 OR 347 VOLT AS REQUIRED COMPLETE WITH BACK BOX.
- LOW VOLTAGE SWITCHES OR VACANCY SENSORS TO BE AS SPECIFIED COMPLETE WITH BACK BOX.

H. GROUNDING

- GROUND THE SERVICE AND ALL NON-CURRENT CARRYING METAL PARTS IN ACCORDANCE WITH OESC.
- PROVIDE COMPLETE GROUNDING AND BONDING SYSTEM AS REQUIRED BY OESC.

I. LIGHTING

- ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL ALL LIGHT FIXTURES AS SPECIFIED ON PLANS. ALTERNATE LIGHT FIXTURES SHALL NOT BE USED IN CALCULATING BASE TENDER PRICE. THE ELECTRICAL CONTRACTOR MAY SUBMIT AN ALTERNATE LIGHTING PACKAGE WITH TENDER PRICE IF THERE IS A COST SAVING OVER THE BASE SPECIFIED LIGHT FIXTURES. THE CONTRACTOR SHALL STATE THE COST SAVING FOR THE ALTERNATE FIXTURES WITH TENDER AND THE OWNER RESERVES THE RIGHT TO ACCEPT OR REJECT THE ALTERNATE FIXTURES PACKAGE COST SAVING.
- PROVIDE ALL MOUNTING HARDWARE AND ACCESSORIES TO SUIT THE CEILING AND INSTALLATION. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES AND PROVIDE REQUIRED MOUNTING ACCESSORIES AS REQUIRED. ALL FIXTURES TO BE CSA OR ULC LISTED.
- ALL LIGHT FIXTURES THAT ARE NOT SUPPORTED DIRECTLY BY AN OUTLET BOX AS PER OESC 30-302, ARE TO BE SECURED TO BUILDING STRUCTURE INDEPENDENTLY BY JACK CHAINS OR AIRCRAFT CABLES.
- EMERGENCY LIGHTING SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 3.2.7.3 OF THE LATEST EDITION OF ONTARIO BUILDING CODE. EMERGENCY LIGHTING SHALL BE PROVIDED TO AN AVERAGE LEVEL OF ILLUMINATION NOT LESS THAN 10 LUX AT FLOOR OR TREAD LEVEL AS REQUIRED BY OBC.
- LOCATE EACH EMERGENCY LIGHT ON SITE TO SUIT EXIT ROUTING AND LINE OF SIGHT. ELECTRICAL CONTRACTOR SHALL ARRANGE FOR TESTING OF EMERGENCY LIGHTS AND SUBMIT SEALED CERTIFICATE ALONG WITH TEST REPORT TO THE CONSULTANT BEFORE FINAL PAYMENT.
- EACH EMERGENCY POWER BATTERY UNIT SHALL PROVIDE SUFFICIENT WATTAGE TO LIGHT ALL REMOTE EMERGENCY EXIT LIGHT HEADS WIRED TO IT FOR A MINIMUM PERIOD DESCRIBED IN SECTION 3.2.7.4 OF OBC.
- ALL LOW VOLTAGE LIGHTING CONTROL DEVICES TO BE CSA OR ULC LISTED.

J. LIGHTING CONTROLS

- ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL ALL LIGHTING CONTROL DEVICES AS SPECIFIED ON PLANS. ALTERNATE LIGHTING CONTROL DEVICES SHALL NOT BE USED IN CALCULATING BASE TENDER PRICE. THE ELECTRICAL CONTRACTOR MAY SUBMIT AN ALTERNATE LIGHTING CONTROL PACKAGE WITH TENDER PRICE IF THERE IS A COST SAVING OVER THE BASE SPECIFIED LIGHTING CONTROL PACKAGE. THE CONTRACTOR SHALL STATE THE COST SAVING FOR THE ALTERNATE LIGHTING CONTROL DEVICES WITH TENDER AND THE OWNER RESERVE THE RIGHTS TO ACCEPT OR REJECT THE ALTERNATE LIGHTING CONTROL PACKAGE COST SAVING.
- ELECTRICAL CONTRACTOR TO PROVIDE ALL LOW VOLTAGE LIGHTING CONTROL DEVICES INCLUDING WIRING, ACCESSORIES, COVER PLATES, ETC. ALL LOW VOLTAGE WIRING DETAILS TO BE CONFIRMED BY LIGHTING CONTROL MANUFACTURER. ALL LIGHTING CONTROL WIRING TO BE INSTALL IN CONDUIT/BOXES.
- ALL LOW VOLTAGE LIGHTING CONTROL WIRING TO BE INSTALLED IN CONDUIT WHERE INSTALLED IN EXPOSED AREAS. LOW VOLTAGE WIRING INSTALLED ABOVE ACCESSIBLE CEILING SPACES TO BE PROPERLY SUPPORTED AND SECURED TO STRUCTURE
- ELECTRICAL CONTRACTOR TO SUBMIT DETAILED OCCUPANCY SENSOR, LOW VOLTAGE SWITCHING AND POWER PACK WIRING DIAGRAMS SPECIFIC TO THIS PROJECT DURING SHOP DRAWING SUBMISSION STAGE FOR REVIEW BY THE CONSULTANT.
- ELECTRICAL CONTRACTOR TO FIELD ADJUST AIMING, SENSITIVITY AND TIME DELAY AS REQUIRED.
- LIGHTING CONTROL DEVICES AND CONTROL SYSTEMS SHALL BE TESTED TO ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH DRAWINGS AND MANUFACTURES INSTALLATION INSTRUCTIONS. WHERE OCCUPANT SENSORS, TIME SWITCHES, PROGRAMMABLE SCHEDULE CONTROLS, OR PHOTOSENSORS ARE INSTALLED, AT A MINIMUM, THE FOLLOWING PROCEDURES SHALL BE PERFORMED:
 - CERTIFY THAT OCCUPANT SENSORS HAVE BEEN LOCATED AND AIMED IN ACCORDANCE WITH MANUFACTURES RECOMMENDATIONS.
 - OCCUPANCY SENSORS AND EACH UNIQUE COMBINATION OF SENSOR TYPE AND SPACE GEOMETRY.
 - STATUS INDICATOR OPERATES PROPERLY
 - CONTROLLED LIGHTS TURN OFF OR DOWN TO THE PERMITTED LEVEL WITHIN REQUIRED TIME
 - FOR AUTO-ON OCCUPANT SENSORS, THE LIGHTS TURN ON TO THE PERMITTED LEVEL WITH THE TIME REQUIRED
 - FOR MANUAL-ON SENSORS, THE LIGHTS TURN ON ONLY WHEN MANUALLY ACTIVATED
 - THE LIGHTS ARE NOT INCORRECTLY TURNED ON BY MOVEMENT IN NEARBY AREAS OR BY HVAC OPERATION
 - THE INDIVIDUALS RESPONSIBLE FOR THE TESTING SHALL NOT BE DIRECTLY INVOLVED IN EITHER THE DESIGN OR CONSTRUCTION OF THE PROJECT AND SHALL PROVIDE DOCUMENTATION CERTIFYING THAT THE INSTALLED LIGHTING CONTROLS MEET OR EXCEED ALL DOCUMENTED PERFORMANCE CRITERIA.

K. EXECUTION

RACEWAYS:

- INSTALL CONDUIT AS A COMPLETE SYSTEM WITHOUT WIRES. CONTINUE CONDUIT FROM FITTING TO FITTING AND FASTEN SECURELY TO PLACE. CLEAN AND SEAL CONDUIT SYSTEM UNTIL WIRING IS INSTALLED.
- INSTALL CONDUIT PARALLEL OR AT RIGHT ANGLES TO PROPERTY LINES, CURBS, ETC., WHERE PRACTICAL.
- CUT ALL CONDUITS SQUARE AND REAM TO REMOVE SHARP EDGES AND BURRS. FIT CONDUITS CLOSELY AND TIGHTLY IN COUPLINGS.
- INSTALL A PULL WIRE IN EACH EMPTY CONDUIT PROVIDED FOR FUTURE USE BY OTHERS.
- CAP ALL CONDUITS WITH METAL, CARDBOARD OR PLASTIC, DURING CONSTRUCTION.

WIRES AND CABLES:

- DO NOT PULL THE WIRES BEFORE THE ENTIRE CONDUIT SYSTEM IS COMPLETED AND CLEANED.
- ENSURE THAT WIRES INSTALLED IN THE INTERIOR OF EQUIPMENT ARE NEATLY LACED WITH PLASTIC TIES AND GRASPED AND SECURED IN PLACE.
- RUN POWER CONDUCTORS FULL LENGTH WITHOUT SPLICES OR TAPS FROM ORIGIN TO DESTINATION, UNLESS SPECIFICALLY CALLED FOR ON THE DRAWINGS. NO CABLE SPLICING ALLOWED IN UNDERGROUND INSTALLATION.
- IDENTIFY EACH CABLE AND WIRE AT BOTH ENDS WITH PROPER CABLE AND WIRE NUMBER AS SHOWN ON THE DRAWINGS AND CABLE SCHEDULES IN ALL CONTROL PANELS, CONTROL DEVICES, DISTRIBUTION PANELS, PULL AND JUNCTION BOXES, ETC., USING APPROVED CABLE AND WIRE MARKERS.
- FOLLOW NORMAL RECOMMENDED PRACTICES WHEN INSTALLING CABLES IN CABLE TRAYS TO AVOID DAMAGE TO CABLE SHEATHS, CONDUCTORS OR INSULATION. ENSURE THAT CABLES ARE NOT DAMAGED BY EXCESSIVE TENSION WHEN PULLING. REPLACE ANY DAMAGED AND REJECTED CABLE WITHOUT COST TO THE OWNER.
- USE SUITABLE NON-HARDENING CABLE LUBRICANTS, WHERE REQUIRED, WHICH DO NOT CONTAIN ANY MATERIALS SUCH AS OIL, GREASE OR OTHER COMPOUNDS HARMFUL TO RUBBER, PVC OR POLYETHYLENE.
- MAKE SPLICES AND TAPS FOR CONTROL CONDUCTORS AT APPROVED TERMINAL BLOCKS IN JUNCTION BOXES.

RECEIVED
JUNE 16 2023
CITY OF BURLINGTON
BUILDING DEPARTMENT

ALL CONSTRUCTION TO MEET ONTARIO BUILDING CODE REQUIREMENTS

ELECTRICAL DRAWING LIST	
E101	SPECIFICATIONS AND DRAWING LIST
E102	SPECIFICATIONS AND LEGENDS
E103	SCHEDULES AND DETAILS SHEET
E104	DETAILS SHEET
E201	PANEL SCHEDULES AND SINGLE LINE DIAGRAM
E301	GROUNG FLOOR POWER AND LIGHTING DEMOLITION
E302	SECOND FLOOR POWER AND LIGHTING DEMOLITION
E303	THIRD FLOOR POWER AND LIGHTING DEMOLITION
E401	GROUNG FLOOR POWER AND LIGHTING NEW
E402	SECOND FLOOR POWER AND LIGHTING NEW
E403	THIRD FLOOR POWER AND LIGHTING NEW

The ARCHITECT and/or PROFESSIONAL ENGINEERS shall be responsible for the field review of the building during construction to ensure conformance to the approved design. Field review reports must be submitted at least monthly to the Burlington Building Department. Prior to occupancy, the Architect and/or Professional Engineers must also submit a signed statement that, based upon their field review of the work falling within their discipline, they are of the opinion that such work has been carried out in general accordance with the approved plans.

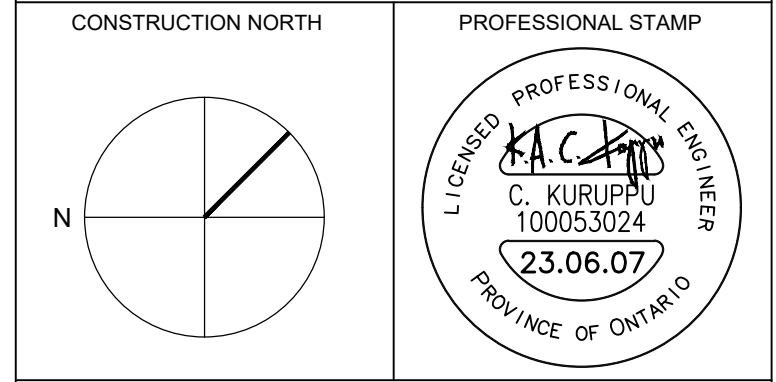
ALL ELECTRICAL WIRING MUST BE INSPECTED BY THE ELECTRICAL SAFETY AUTHORITY. SEPARATE INSPECTION APPLICATIONS (PERMITS) MUST BE FILED. FOR MORE INFORMATION PLEASE CALL ELECTRICAL SAFETY AUTHORITY CUSTOMER SERVICE CENTER
PHONE 1-877-372-7233 FAX 1-800-667-4278

CITY OF BURLINGTON BUILDING SERVICES
REVIEWED FOR PERMIT ISSUANCE
DATE: November 13, 2023
PERMIT NUMBER: 23 011806
EXAM: JK

CLIENT
Halton District School Board
2050 Guelph Line
Burlington, Ontario

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GENERAL NOTE:
DRAWINGS, SPECIFICATIONS AND SCHEDULES ARE COMPLEMENTARY EACH TO THE OTHER AND WHAT IS CALLED FOR BY ONE TO BE SHOWN AS IF CALLED FOR BY ALL. SHOULD ANY DISCREPANCY APPEAR BETWEEN DOCUMENTS WHICH LEAVES DOUBT AS TO THE INTENT OF MEASURING, ASIDE BY PRECEDENCE OF DOCUMENT OR OBTAIN DIRECTION FROM THE CONSULTANT. REFER TO COVER SHEET A-000 FOR FULL LIST OF DRAWINGS.
EXAMINE ALL DISCIPLINE DRAWINGS, SPECIFICATIONS AND SCHEDULES AND RELATED WORK TO ENSURE THAT WORK CAN BE SATISFACTORILY EXECUTED. CONFLICTS OR ADDITIONAL WORK BEYOND WORK DESCRIBED TO BE BROUGHT TO ATTENTION OF CONSULTANT.

NO.	DESCRIPTION	DATE
2	ISSUED FOR PERMIT/ CCO NO 7	23.06.07
1	ISSUED FOR PROGRESS	23.04.28

REVISION SCHEDULE		
2	ISSUED FOR PERMIT/ CCO NO 7	23.06.07
1	ISSUED FOR PROGRESS	23.04.28

CONTRACTOR IS TO CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND TO REPORT ANY DISCREPANCIES TO THE CONSULTANTS BEFORE PROCEEDING WITH THE WORK. DRAWINGS ARE NOT TO BE SCALED. CONTRACT DOCUMENTS REMAIN THE PROPERTY OF THE CONSULTANTS AND SHALL BE RETURNED UPON COMPLETION OF THE PROJECT.

PROJECT
BURLINGTON CENTRAL H.S. RENOVATIONS
1433 Baldwin Street Burlington, ON

DRAWN	PROJECT NO
YC	2005
CHECKED	ENG PROJECT NO.
PI	23008
SCALE	
NTS	

DRAWING
SPECIFICATIONS AND DRAWING LIST

ELECTRICAL SPECIFICATIONS

L. FIRE ALARM SYSTEM RENOVATIONS

1. THE ELECTRICAL CONTRACTOR SHALL HIRE A FIRE ALARM SYSTEM COMPANY TO TEST AND VERIFY ANY NEW OR RELOCATED FIRE ALARM DEVICES AND PROVIDE WRITTEN VERIFICATION REPORT INDICATING THE DEVICES HAVE BEEN TESTED AND VERIFIED TO THE LATEST APPLICABLE CODES AND STANDARDS.
2. THE ELECTRICAL CONTRACTOR SHALL CARRY ALL COSTS ASSOCIATED WITH TESTING AND VERIFICATION AS REQUIRED BY THE FIRE ALARM WORK INDICATED ON THE ELECTRICAL DRAWINGS.
3. THE FIRE ALARM SYSTEM SHALL BE INSTALLED IN CONFORMANCE WITH THE LATEST EDITION OF CAN/ULC-S524, "INSTALLATION OF FIRE ALARM SYSTEMS".
4. THE FIRE ALARM SYSTEM SHALL BE VERIFIED IN CONFORMANCE WITH THE LATEST EDITION OF CAN/ULC-S537, "VERIFICATION OF FIRE ALARM SYSTEM" TO ENSURE SATISFACTORY PERFORMANCE.
5. ALL STROBE CANDELAS TO BE 15cd UNLESS OTHERWISE STATED.

M. INTEGRATED TESTING

- a. ALL LIFE SAFETY SYSTEMS INTEGRATED WITH THE FIRE ALARM SYSTEM MUST BE VERIFIED AND DOCUMENTED IN ACCORDANCE WITH OBC 3.2.10.1 AND THE LATEST EDITION OF CAN/ULC-S1001, "STANDARD FOR INTEGRATED SYSTEMS TESTING OF FIRE PROTECTION AND LIFE SAFETY SYSTEMS". THE FOLLOWING IS TO BE PREPARED AND SUBMITTED BY THE ELECTRICAL CONTRACTOR AND SIGNED BY A P.ENG TO THE CONSULTANT FOR REVIEW AT THE START OF THE PROJECT
 - a.o. INTEGRATED TESTING PLAN - A WRITTEN SPECIFIC DOCUMENT, PREPARED BY THE INTEGRATED TESTING COORDINATOR, OUTLINING THE REQUIRED TESTS AND NECESSARY FUNCTIONAL RESULTS TO CONDUCT INTEGRATED FIRE PROTECTION AND LIFE SAFETY SYSTEMS TESTING
 - a.b. INTEGRATED TESTING REPORT - A WRITTEN PROJECT SPECIFIC DOCUMENT, PREPARED BY THE INTEGRATED TESTING COORDINATOR, DOCUMENTING THE IMPLEMENTATION OF THE INTEGRATED TESTING PLAN.
 - a.c. THE FOLLOWING SYSTEMS (WHERE APPLICABLE) ARE TO BE INTEGRATED INTO THE TESTING PLAN AND TESTING REPORT.
 - a.c.a. FIRE ALARM SYSTEM (INCLUDING SEQUENCE OF OPERATION)
 - a.c.b. POWER DOOR OPERATORS
 - a.c.c. DOOR HOLD-OPEN DEVICES

GENERAL LIGHTING	
SYMBOL	DESCRIPTION
	1'X4' (305mmX1220mm) LIGHT FIXTURE. 'X' DENOTES TYPE

GENERAL NOTE: 1. REFER TO GENERAL LIGHTING SCHEDULE FOR DETAILED SPECIFICATIONS.

POWER AND SYSTEMS	
SYMBOL	DESCRIPTION
	120VAC, 15 AMP DUPLEX RECEPTACLE
	120VAC, 15 AMP DUPLEX GROUND FAULT CIRCUIT INTERRUPT RECEPTACLE
	SURFACE MOUNTED ELECTRICAL PANEL BOARD
	RECESSED ELECTRICAL PANEL BOARD
	MANUAL MOTOR STARTER c/w OVERLOAD. 'X' DENOTES TYPE.
	ELECTRIC WALL MOUNTED HEATER. 'X' DENOTES TYPE
	ELECTRIC CEILING MOUNTED HEATER. 'X' DENOTES TYPE
	DOOR HOLD OPEN DEVICE (WALL MOUNTED)
	DOOR HOLD OPEN DEVICE (PART OF DOOR HARDWARE)
	WALL MOUNTED PROGRAM BELL
	HAND DRYER. 'X' DENOTES TYPE
	JUNCTION BOX
	LOW VOLTAGE BOX MOUNT TRANSFORMER
	TELEPHONE OUTLET. 'X' DENOTES NUMBER OF TELEPHONE CABLE(S)
	WIRELESS ACCESS POINT
	CEILING MOUNTED PUBLIC ADDRESS SPEAKER
	WALL MOUNTED PUBLIC ADDRESS SPEAKER

GENERAL NOTE: 1. REFER TO POWER AND SYSTEMS SCHEDULE FOR DETAILED SPECIFICATION.

SECURITY SYSTEMS	
SYMBOL	DESCRIPTION
	DOOR OPERATOR KEY SWITCH

GENERAL NOTE: 1. REFER TO SECURITY SYSTEMS SCHEDULE FOR DETAILED SPECIFICATION.

FIRE ALARM AND CARBON MONOXIDE SYSTEMS	
SYMBOL	DESCRIPTION
	FIRE ALARM PHOTOELECTRIC SMOKE DETECTOR. 'I' DENOTES INTELLIGENT RELAY BASE WITH DRY CONTACTS. 'C' DENOTES FIRE ALARM ADVANCED COMBINATION FIRE DETECTOR WITH SMOKE, CO, LIGHT/FLAME AND HEAT AND LOCAL SOUNDER BASE
	FIRE ALARM FIXED HEAT DETECTOR, 57C (135F). 'R' DENOTES RATE OF RISE HEAT DETECTOR. 'H' DENOTES HIGH TEMPERATURE HEAT DETECTOR, 88C (190F). 'I' DENOTES INTELLIGENT RELAY BASE WITH DRY CONTACTS. 'V' DENOTES CONVENTIONAL HEAT DETECTOR WIRED VIA ADDRESSABLE MODULE
	FIRE ALARM PHOTOELECTRIC DUCT SMOKE DETECTOR
	FIRE ALARM PULL STATION. 'D' DENOTES c/w TWO (2) FORM 'C' CONTACTS.
	WALL MOUNTED FIRE ALARM BELL.
	WALL MOUNTED FIRE ALARM HORN STROBE COMBO.
	ADDRESSABLE MONITORING DEVICE

GENERAL NOTE: 1. REFER TO "NEW FIRE ALARM SYSTEM" OR "FIRE ALARM SYSTEM RENOVATIONS" IN ELECTRICAL SPECIFICATION FOR MORE DETAILS.

BARRIER FREE EMERGENCY CALL SYSTEM	
SYMBOL	DESCRIPTION
	EMERGENCY CALL PUSH BUTTON
	LOCAL LED ANNUNCIATOR AND SIREN COMBO
	LOCAL DOME LIGHT AND SIREN STROBE COMBO

GENERAL NOTE: 1. REFER TO "UNIVERSAL POWER DOOR OPERATOR/EMERGENCY CALL SYSTEM" IN ELECTRICAL SPECIFICATION FOR MORE DETAILS.

CONTROL DEVICE	
SYMBOL	DESCRIPTION
	120V OR 347V SINGLE GANG, SINGLE POLE SWITCH, UNLESS NOTED WITH CONTROL DEVICE TYPE DESIGNATION LETTER. 'X' DENOTES CONTROL DEVICE TYPE
	120V OR 347V DOUBLE GANG, TWO SINGLE SWITCHES, UNLESS NOTED WITH CONTROL DEVICE TYPE DESIGNATION LETTER. 'X' DENOTES CONTROL DEVICE TYPE
	120V OR 347V THREE GANG, THREE SINGLE POLE SWITCHES, UNLESS NOTED WITH CONTROL DEVICE TYPE DESIGNATION LETTER. 'X' DENOTES CONTROL DEVICE TYPE
	POWER DOOR OPERATOR PUSH TO OPEN BUTTON
	POWER DOOR OPERATOR PUSH TO LOCK BUTTON

GENERAL NOTE: 1. REFER TO CONTROL DEVICE SCHEDULE FOR DETAILED SPECIFICATION.

ABBREVIATIONS	
CH	DENOTES COUNTER HEIGHT
ED	DENOTES EXISTING DEVICE TO BE DEMOLISHED INCLUDING WIRING/CONDUIT(S) STRIPPED BACK TO SOURCE
ER	DENOTES EXISTING DEVICE TO BE RELOCATED
EX	DENOTES EXISTING DEVICE TO REMAIN
GFCI	DENOTES GROUND FAULT CIRCUIT INTERRUPTER
REL	DENOTES EXISTING DEVICE AT RELOCATED LOCATION
WG	DENOTES WIRE GUARD SUITABLE FOR DEVICE SHOWN

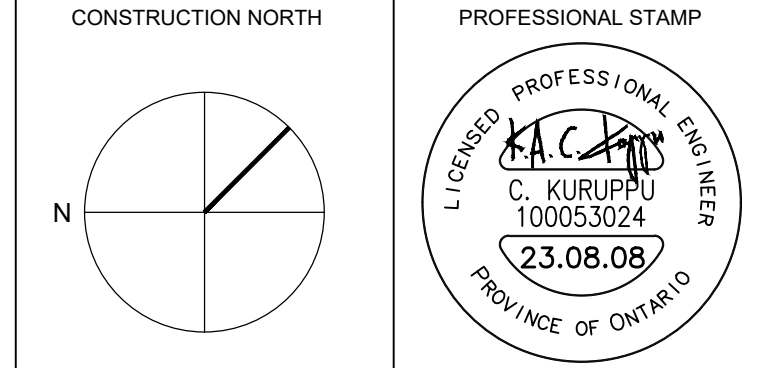
LINE TYPES	
LINE TYPE	DESCRIPTION
-----	DENOTES LINE VOLTAGE WIRE
- - - - -	DENOTES 0-10V DIMMING WIRE
-----	DENOTES LOW VOLTAGE WIRE
-----	DENOTES LINE VOLTAGE AND 0-10V DIMMING WIRE
-----	DENOTES DEVICE TO BE DEMOLISHED OR RELOCATED
-----	DENOTES NEW OR RELOCATED DEVICE
-----	DENOTES EXISTING DEVICE TO REMAIN



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NO.	DESCRIPTION	DATE
4.	RE-ISSUED FOR PERMIT	23.08.08
3.	ISSUED FOR CCO NO 8	23.07.04
2.	ISSUED FOR PERMIT/ CCO NO 7	23.06.07
1.	ISSUED FOR PROGRESS	23.04.28

REVISION SCHEDULE		
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PROJECT
**BURLINGTON CENTRAL
H.S. RENOVATIONS**
1433 Baldwin Street Burlington, ON

DRAWN YC	PROJECT NO 2005
CHECKED PI	ENG PROJECT NO. 23008
SCALE NTS	

DRAWING
**SPECIFICATIONS AND
LEGENDS**

POWER AND SYSTEMS SCHEDULE

TYPE	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	VOLTAGE (V)	AMPS (A)	WATTS (W)	PHASE	COMMENTS
ST1	FRANKLIN ELECTRIC	BAS-1P	1 HP BUILDING AUTOMATION STARTER	120			1	FOR CONTROLLING EXHAUST FAN
H1		OFM-1508	BASEBOARD HEATER	208		1500	1	C/W TAMPERPROOF IN-BUILT THERMOSTAT
HD1			HAND DRYER					EXISTING
HD2	DYSON	307173-01	DYSON AIRBLADE V HAND DRYER, WHITE FINISH	120		1000	1	ALTERNATE NOT ACCEPTABLE.

CONTROL DEVICE SCHEDULE

TYPE	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	VOLTAGE AC (V)	VOLTAGE DC (VDC)	NO. OF RELAYS	DIMMING	MOUNTING	EQUIVALENT ACCEPTED	COMMENTS
3			SWITCH WIRED 3-WAY						WALL	
O1	ACUITY BRANDS	CMR 9 PDT	DUAL TECHNOLOGY LINE VOLTAGE CEILING SENSOR	120					CEILING	AUTO ON/OFF WITH 15 MIN. TIME DELAY SETTING
O2	ACUITY BRANDS	CM-10	CEILING MOUNTED PASSIVE INFRARED OCCUPANCY SENSOR		15	1			CEILING	
O3	ACUITY BRANDS	WSX-PDT-VA-WH	WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR	120		1			WALL	
LD1	ACUITY BRANDS	nPODMA-DX-WH	DIGITAL 0-10V DIMMING SWITCH	120	15				CEILING	
PP1	ACUITY BRANDS	PP20	POWER PACK	120	15				CEILING	LIGHTING CONTROL TO BE MANUAL ON/AUTO OFF UNLESS OTHERWISE NOTED.

GENERAL LIGHTING SCHEDULE

TYPE	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	VOLTAGE (V)	WATTS (W)	NO. OF LAMPS	LUMENS	0-10V DIMMING	LISTING REQUIRED	DISTR. TYPE	COLOUR TEMP.(K)	CRI	MOUNTING	COMMENTS
L1			1' x 4' WRAP AROUND FIXTURE			2							SURFACE	EXISTING
L2			1' x 4' LED FLAT PANEL										RECESSED	EXISTING
L3			1' x 4' WRAP AROUND FIXTURE WITH WIRE GUARD			2							SURFACE	EXISTING
L4	COLUMBIA LIGHTING	MPS4-40W-CW-EDU-INT	4' STRIP LIGHTING COMPLETE WITH CM48SCF3-KIT	120	23.6		3258	YES			4000		SURFACE	KIT ONLY USE ON T-BAR CEILING

EQUIPMENT SCHEDULE

TAG	DESCRIPTION	LOCATION	EQUIPMENT		MOTOR				STARTER (SUPPLIED BY/INSTALLED BY)		ACCESSORIES (SUPPLIED BY/INSTALLED BY)				FIRE ALARM	COMMENTS	
			VOLTAGE (V)	PHASE	HORSEPOWER (HP)	WATTS (W)	MCA (A)	LOAD FLA (A)	MOCP (A)	PACKAGED STARTER	MANUAL STARTER	COMB. FVNR	VFD	LINE VOLTAGE THERMOSTAT			LOW VOLTAGE THERMOSTAT
EF-1	EXHAUST FAN	ROOF	120	1	1/25												
EF-2	EXHAUST FAN	UNIV. WR 201	120	1	1/25												
CH-1 & CH-2	HYDRONIC RADIATOR	GROUND FLOOR LIBRARY WR	120	1	1/6		3.7										
ERV-1	INDOOR ERV UNIT	NEW SEMINAR ROOM	120	1		85	1.22										
DH-1	DUCT HEATER	NEW SEMINAR ROOM	208	1		1000											

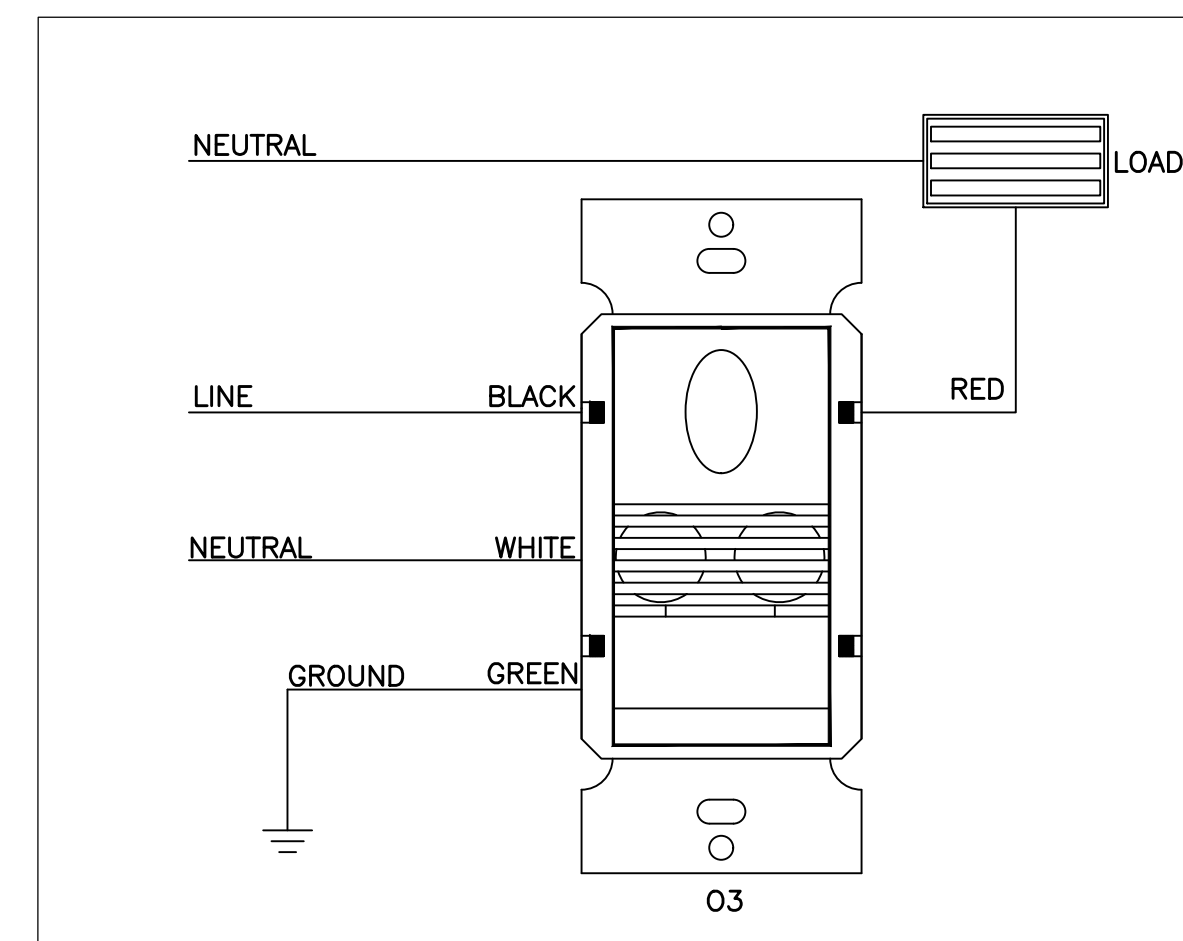
LEGEND: 'M' DENOTES MECHANICAL CONTRACTOR

'E' DENOTES ELECTRICAL CONTRACTOR

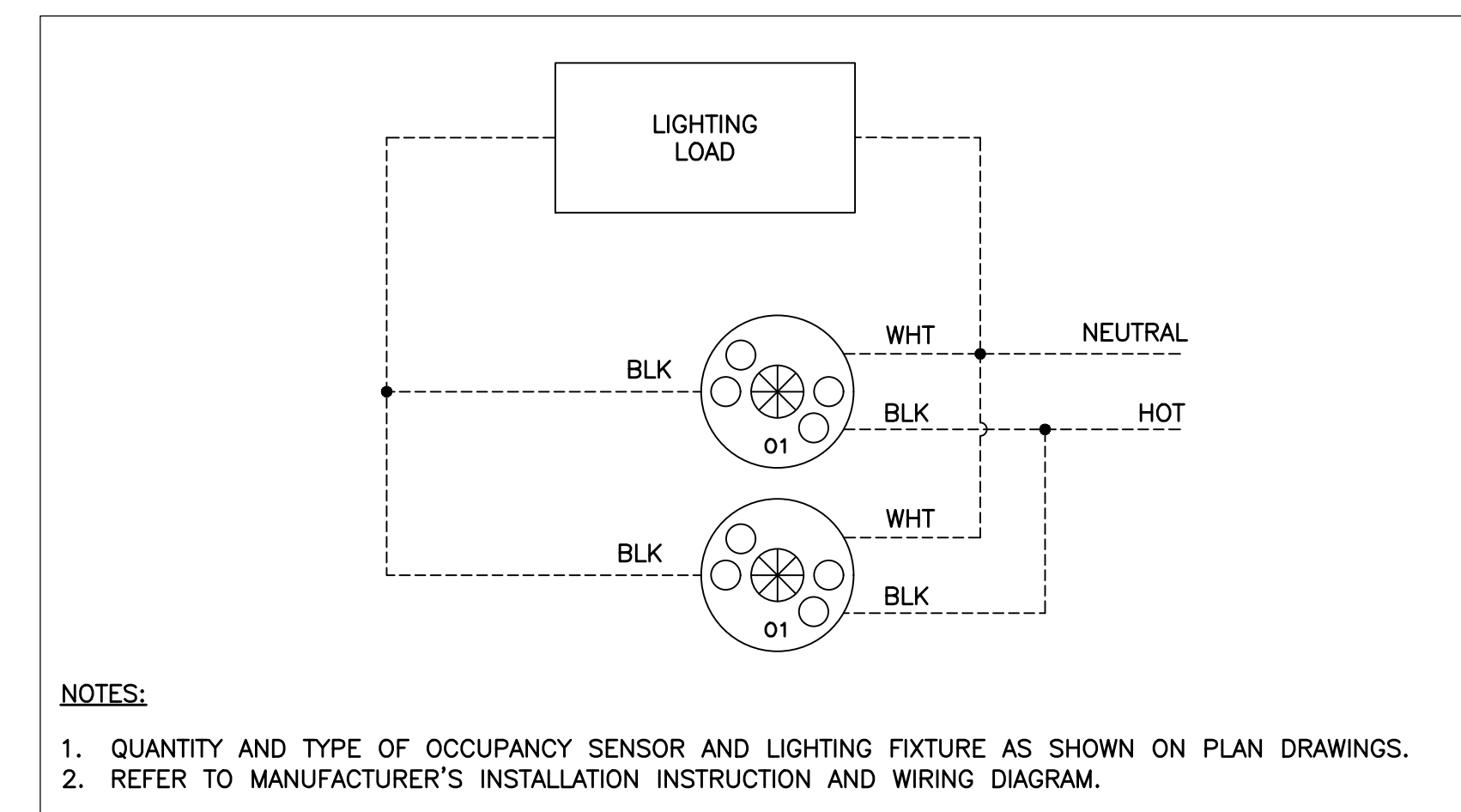
'G' DENOTES GENERAL CONTRACTOR

EMERGENCY LIGHTING SCHEDULE

TYPE	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	VOLTAGE AC (VAC)	VOLTAGE DC (VDC)	LAMP BASE	LAMP TYPE	LAMP WATTS	EQUIVALENT ACCEPTED	COMMENTS
BU1	BEGHELLI	COLA-10W-205LED-120V	VANDAL RESISTANT EMERGENCY BATTERY UNIT c/w 2x 5W LED HEADS	120		MR16	LED	2x5W		



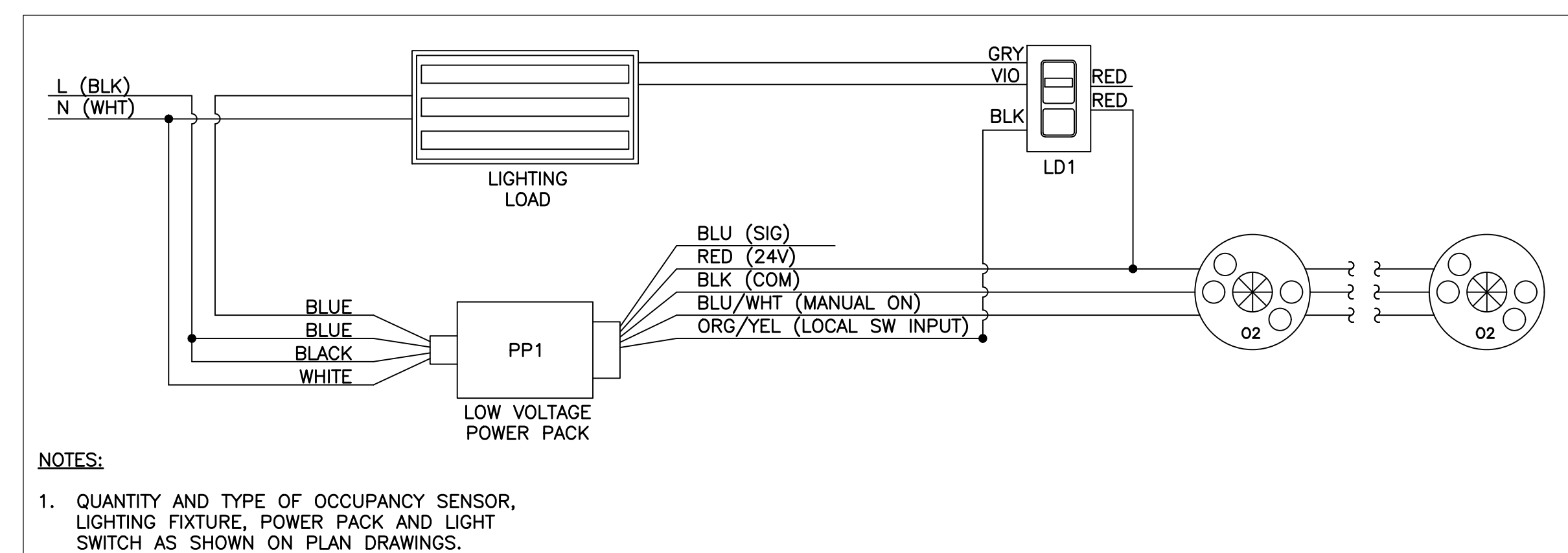
WIRING DIAGRAM FOR WALLMOUNT LINE VOLTAGE OCCUPANCY SENSOR



NOTES:

1. QUANTITY AND TYPE OF OCCUPANCY SENSOR AND LIGHTING FIXTURE AS SHOWN ON PLAN DRAWINGS.
2. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTION AND WIRING DIAGRAM.

TYPICAL WIRING DIAGRAM FOR WASHROOM LIGHTING CONTROL



NOTES:

1. QUANTITY AND TYPE OF OCCUPANCY SENSOR, LIGHTING FIXTURE, POWER PACK AND LIGHT SWITCH AS SHOWN ON PLAN DRAWINGS.

WIRING DIAGRAM FOR OCCUPANCY SENSOR, ON/OFF LOW VOLTAGE SWITCHING AND DIMMING

RECEIVED

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CITY OF BURLINGTON
BUILDING DEPARTMENT

ALL CONSTRUCTION TO MEET ONTARIO BUILDING CODE REQUIREMENTS

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Halton District School Board
2050 Guelph Line
Burlington, Ontario

ARCHITECT

snyder

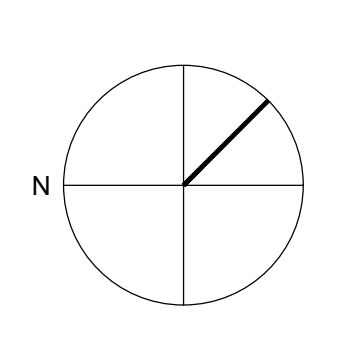
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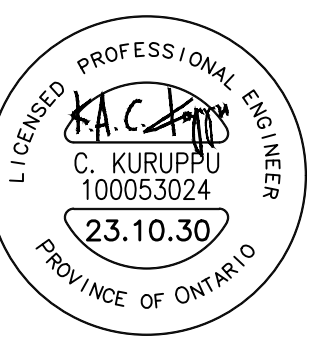
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NO.	DESCRIPTION	DATE
4.	RE-ISSUED FOR PERMIT	23.10.30
3.	RE-ISSUED FOR PERMIT	23.08.08
2.	ISSUED FOR PERMIT/ CCO NO 7	23.06.07
1.	ISSUED FOR PROGRESS	23.04.28

REVISION SCHEDULE

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PROJECT

**BURLINGTON CENTRAL
H.S. RENOVATIONS**

1433 Baldwin Street Burlington, ON

DRAWN

YC

PROJECT NO

2005

CHECKED

PI

ENG PROJECT NO.

23008

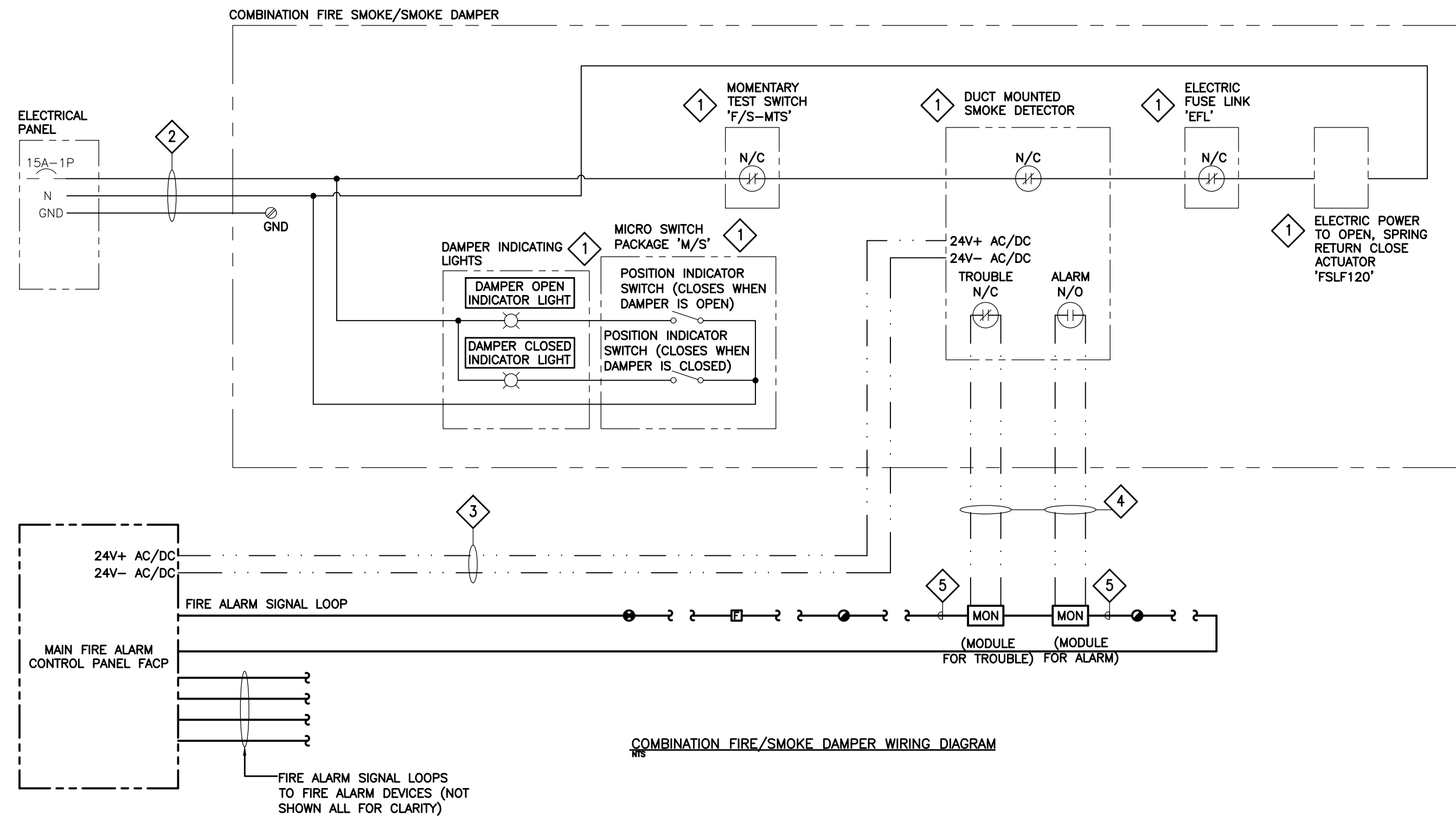
SCALE

NTS

DRAWING

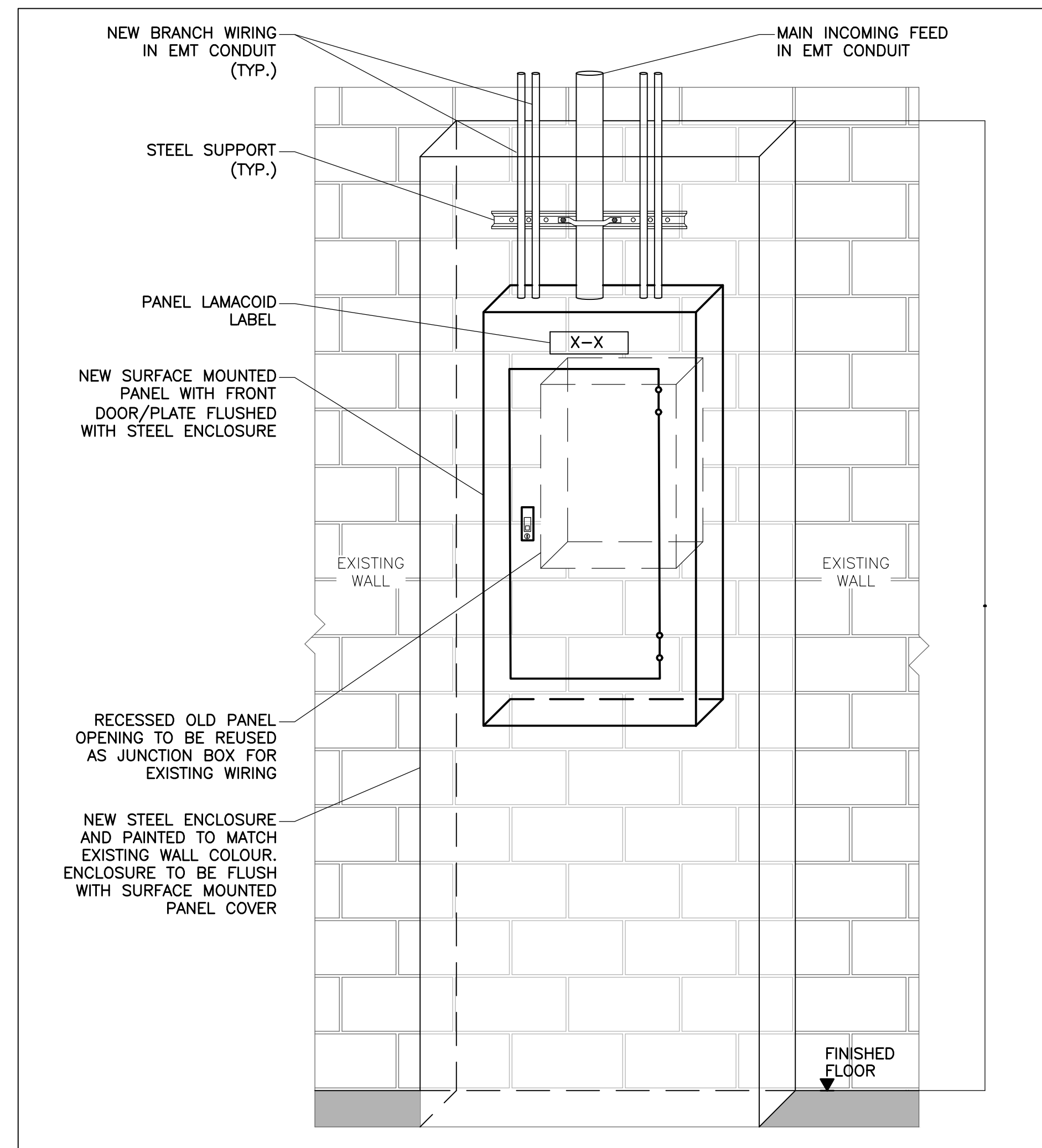
SCHEDULES AND DETAILS
SHEET

ALL CONSTRUCTION TO MEET ONTARIO BUILDING CODE REQUIREMENTS

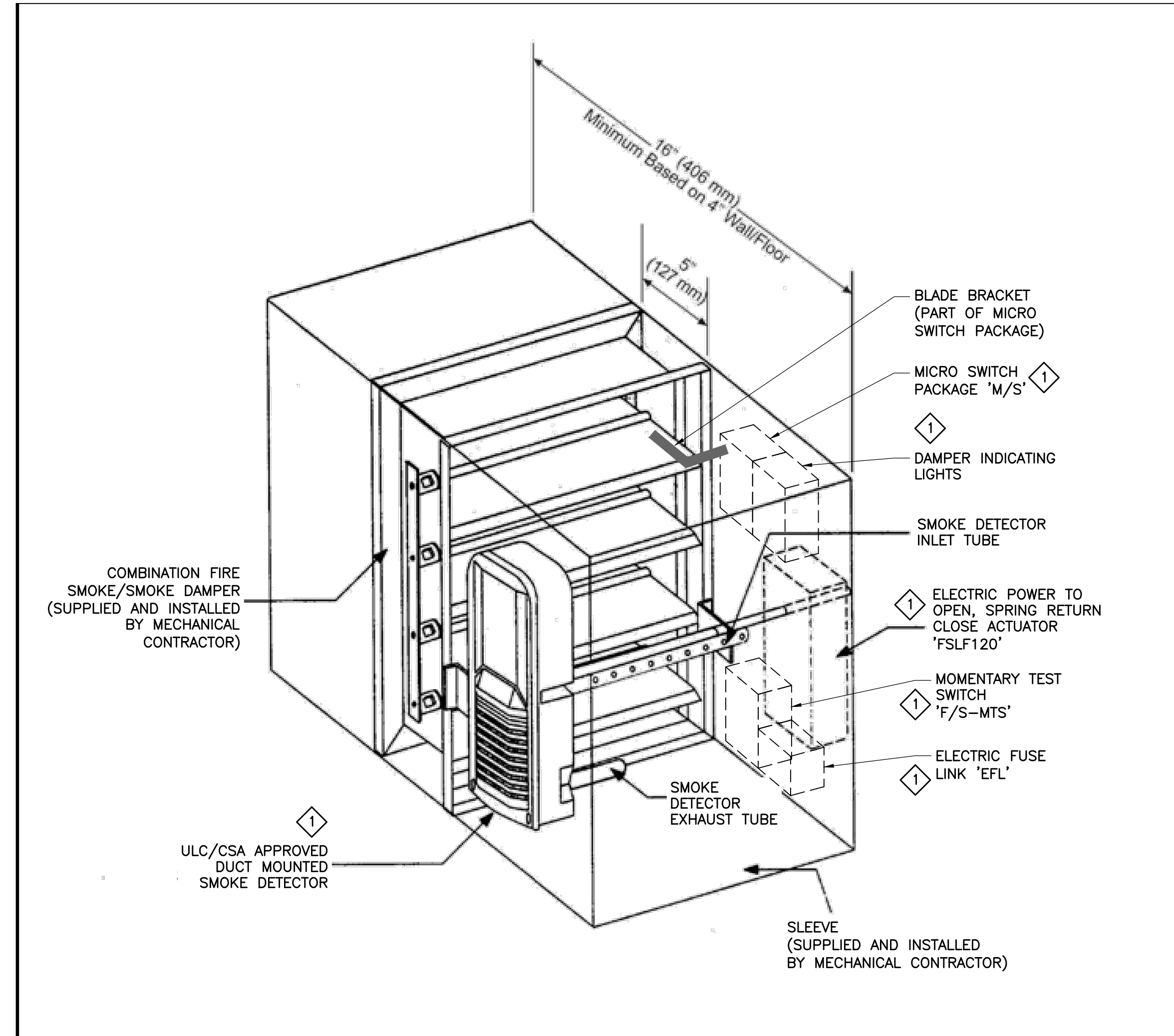


LINE TYPES	
LINE TYPE	DESCRIPTION
—	DENOTES LINE VOLTAGE WIRE
- - -	DENOTES LOW VOLTAGE WIRE

- DRAWING KEYNOTES:**
- 1 DEVICE AS INDICATED TO BE SUPPLIED BY MECHANICAL CONTRACTOR, INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR. COORDINATE WITH MECHANICAL CONTRACTOR AS REQUIRED.
 - 2 PROVIDE 2-1/C #12 AWG RW90 + GND IN 21mm (3/4") EMT. WIRE ALL DEVICES WITH #12 AWG RW90 WIRING AS REQUIRED.
 - 3 PROVIDE 2-1/C #12 AWG RW90 IN 21mm (3/4") EMT FOR SMOKE DETECTOR POWER.
 - 4 PROVIDE LOW VOLTAGE CONDUCTORS AS RECOMMENDED BY FIRE ALARM SYSTEM SUPPLIER.
 - 5 SUPPLY AND INSTALL FIRE ALARM ADDRESSABLE MODULE AS REQUIRED AND RUN LOW VOLTAGE CONDUCTORS AS REQUIRED FROM FIRE ALARM DEVICE/PANEL AS RECOMMENDED BY FIRE ALARM SYSTEM SUPPLIER.



PANEL 'W1,W2,W3,W4' NEW
NTS



COMBINATION FIRE/SMOKE DAMPER DETAIL
NTS

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C. KURUPPU
100053024
23.06.07
PROVINCE OF ONTARIO

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DRAWN YC	PROJECT NO 2005
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DRAWING
DETAILS SHEET

PANEL ID: W1												MOUNTING: SURFACE			PANEL MAINS: 60 A		
VOLTAGE: 120/208V												LOCATION: X			MAIN BREAKER: 60 A		
PHASE/WIRE: 3PH/4W												FED FROM: X			KAIC RATING: 10 KAIC		
DESCRIPTION	BRK SIZE	BRK TYPE	WIRE SIZE	LOAD	CCT	BUS	CCT	LOAD	WIRE SIZE	BRK TYPE	BRK SIZE	DESCRIPTION					
WASHROOM 103 HAND DRYER	15A-1P		2#12	1000	1	A	2	500	2#12		15A-1P	W/R 100 POWER DOOR OPERATOR					
WASHROOM 103 CH-2	15A-1P		2#12	450	3	B	4	1000	2#12		15A-1P	UNIV W/R 100 HAND DRYER					
WASHROOM 103 RECPT.	15A-1P		2#12	300	5	C	6	300	2#12		15A-1P	UNIV W/R 100 RECPT.					
WASHROOM 102 CH-1	15A-1P		2#12	450	7	A	8	1000	2#12		15A-1P	STUFF W/R 101 HAND DRYER					
WASHROOM 102 HAND DRYER	15A-1P		2#12	1000	9	B	10	300	2#12		15A-1P	UNIV W/R 100 RECPT.					
WASHROOM 102 RECPT.	15A-1P		2#12	300	11	C	12	50	2#12		15A-1P	W/R 101 TOUCHLESS FAUCETS					
W/R 102 GFCI RECPT	15A-1P		2#12	100	13	A	14	50	2#12		15A-1P	W/R 100 TOUCHLESS FAUCETS					
W/R 103 GFCI RECPT	15A-1P		2#12	100	15	B	16	100	2#12		15A-1P	SFD-100A,SFD-100B					
1-04.05 POWER DOOR OPERATOR	15A-1P		2#12	600	17	C	18	100	2#12		15A-1P	SFD-100C,SFD-100E					
1-06 DOOR HOLD OPEN DEVICE	15A-1P		2#12	10	19	A	20				15A-1P	SPARE					
SPARE	15A-1P				21	B	22				15A-1P	SPARE					
SPARE	15A-1P				23	C	24				15A-1P	SPARE					
SPARE	15A-1P				25	A	26				20A-1P	SPARE					
SPARE	20A-1P				27	B	28					SPACE					
SPACE					29	C	30					SPACE					

BRK TYPE: * GFCI BREAKER LOAD PHASE A (W): 3110
 ** COMBINATION AFCI LOAD PHASE B (W): 2950 TOTAL LOAD (W): 7710
 *** LOCK ON BREAKER LOAD PHASE C (W): 1650 TOTAL AMPS (A): 21.401

PANEL ID: W2												MOUNTING: SURFACE			PANEL MAINS: 60 A		
VOLTAGE: 120/208V												LOCATION: X			MAIN BREAKER: 60 A		
PHASE/WIRE: 3PH/4W												FED FROM: X			KAIC RATING: 10 KAIC		
DESCRIPTION	BRK SIZE	BRK TYPE	WIRE SIZE	LOAD	CCT	BUS	CCT	LOAD	WIRE SIZE	BRK TYPE	BRK SIZE	DESCRIPTION					
BOYS BF W/R 100B PD OPERAT	15A-1P		2#12	300	1	A	2	300	2#12		15A-1P	GIRLS BF W/R 100A PD OPERATOR					
BOYS BF W/R 100B HAND DRYER	15A-1P		2#12	1000	3	B	4	1000	2#12		15A-1P	GIRLS BF W/R 100A HAND DRYER					
BOYS BF W/R 100B RECPT.	15A-1P		2#12	300	5	C	6	300	2#12		15A-1P	GIRLS BF W/R 100A RECPT.					
W/R 100B GFCI RECPT	15A-1P		2#12	100	7	A	8	100	2#12		15A-1P	W/R 104 GFCI RECPT					
W/R 100B TOUCHLESS FAUCETS	15A-1P		2#12	50	9	B	10	100	2#12		15A-1P	SFD-100D,SFD-100F					
1-09 POWER DOOR OPERATOR	15A-1P		2#12	300	11	C	12				15A-1P	SPARE					
1-08,10 HOLD OPEN DEVICE	15A-1P		2#12	20	13	A	14				15A-1P	SPARE					
SPARE	15A-1P				15	B	16				15A-1P	SPARE					
SPARE	15A-1P				17	C	18				20A-1P	SPARE					
SPARE	15A-1P				19	A	20					SPACE					
SPARE	20A-1P				21	B	22					SPACE					
SPACE					23	C	24					SPACE					
SPACE					25	A	26					SPACE					
SPACE					27	B	28					SPACE					
SPACE					29	C	30					SPACE					

BRK TYPE: * GFCI BREAKER LOAD PHASE A (W): 820
 ** COMBINATION AFCI LOAD PHASE B (W): 2150 TOTAL LOAD (W): 3870
 *** LOCK ON BREAKER LOAD PHASE C (W): 900 TOTAL AMPS (A): 10.742

PANEL ID: W3												MOUNTING: SURFACE			PANEL MAINS: 60 A		
VOLTAGE: 120/208V												LOCATION: X			MAIN BREAKER: 60 A		
PHASE/WIRE: 3PH/4W												FED FROM: X			KAIC RATING: 10 KAIC		
DESCRIPTION	BRK SIZE	BRK TYPE	WIRE SIZE	LOAD	CCT	BUS	CCT	LOAD	WIRE SIZE	BRK TYPE	BRK SIZE	DESCRIPTION					
STORAGE ROOM 203 RECPT.	15A-1P		2#12	500	1	A	2	500	2#12		15A-1P	SEMINAR ROOM 202 RECPT.					
MALE W/R 200 HAND DRYER	15A-1P		2#12	1000	3	B	4	1000	2#12		15A-1P	FEMALE W/R 201 HAND DRYER					
MALE W/R 200 RECPT.	15A-1P		2#12	300	5	C	6	300	2#12		15A-1P	FEMALE W/R 201 RECPT.					
SEMINAR ROOM 202 ERV-1	15A-1P		2#12	85	7	A	8	50	2#12		15A-1P	W/R 201 TOUCHLESS FAUCETS					
SEMINAR ROOM 202 DH-1	15A-2P		2#12	500	9	B	10	50	2#12		15A-1P	W/R 201 TOUCHLESS FAUCETS					
SEMINAR ROOM 202 BASEBOARD HEATER	15A-2P		2#12	750	13	A	14	1000	2#12		15A-1P	SFD-200A,SFD-200B					
SEMINAR ROOM 202 BASEBOARD HEATER	15A-2P		2#12	750	15	B	16	300	2#12		15A-1P	UNIV WR 201 HAND DRYER					
W/R 200 TOUCHLESS FAUCETS	15A-1P		2#12	50	17	C	18	500	2#12		15A-1P	UNIV WR 201 DOOR OPERATOR					
W/R 200 TOUCHLESS FAUCETS	15A-1P		2#12	50	19	A	20	50	2#12		15A-1P	UNIV WR 201 RECPT.					
W/R 200 TOUCHLESS FAUCETS	15A-1P		2#12	50	21	B	22	100	2#12		15A-1P	WR 201 TOUCHLESS FAUCETS					
SPARE	15A-1P				23	C	24				15A-1P	WR 201 LIGHTING AND 'EF-2'					
SPARE	15A-1P				25	A	26				15A-1P	SPARE					
SPARE	20A-1P				27	B	28				20A-1P	SPARE					
SPACE					29	C	30					SPACE					

BRK TYPE: * GFCI BREAKER LOAD PHASE A (W): 2985
 ** COMBINATION AFCI LOAD PHASE B (W): 3750 TOTAL LOAD (W): 8485
 *** LOCK ON BREAKER LOAD PHASE C (W): 1750 TOTAL AMPS (A): 23.553

PANEL ID: W4												MOUNTING: SURFACE			PANEL MAINS: 60 A		
VOLTAGE: 120/208V												LOCATION: X			MAIN BREAKER: 60 A		
PHASE/WIRE: 3PH/4W												FED FROM: X			KAIC RATING: 10 KAIC		
DESCRIPTION	BRK SIZE	BRK TYPE	WIRE SIZE	LOAD	CCT	BUS	CCT	LOAD	WIRE SIZE	BRK TYPE	BRK SIZE	DESCRIPTION					
STUFF W/R 300 RECPT.	15A-1P		2#12	300	1	A	2	100	2#12		15A-1P	EF-1					
UNIV W/R 302 DOOR OPERATOR	15A-1P		2#12	500	3	B	4	300	2#12		15A-1P	STUFF W/R 301 RECPT.					
UNIV W/R 302 HAND DRYER	15A-1P		2#12	1000	5	C	6	50	2#12		15A-1P	W/R 301 TOUCHLESS FAUCETS					
UNIV W/R 302 RECPT.	15A-1P		2#12	300	7	A	8				15A-1P	SPARE					
W/R 300 TOUCHLESS FAUCETS	15A-1P		2#12	50	9	B	10				15A-1P	SPARE					
W/R 302 TOUCHLESS FAUCETS	15A-1P		2#12	50	11	C	12				15A-1P	SPARE					
3-01,02,03 HOLD OPEN DEVICE	15A-1P		2#12	30	13	A	14				20A-1P	SPARE					
SPARE	15A-1P				15	B	16					SPACE					
SPARE	15A-1P				17	C	18					SPACE					
SPARE	15A-1P				19	A	20					SPACE					
SPARE	20A-1P				21	B	22					SPACE					
SPACE					23	C	24					SPACE					
SPACE					25	A	26					SPACE					
SPACE					27	B	28					SPACE					
SPACE					29	C	30					SPACE					

BRK TYPE: * GFCI BREAKER LOAD PHASE A (W): 730
 ** COMBINATION AFCI LOAD PHASE B (W): 850 TOTAL LOAD (W): 2680
 *** LOCK ON BREAKER LOAD PHASE C (W): 1100 TOTAL AMPS (A): 7.439

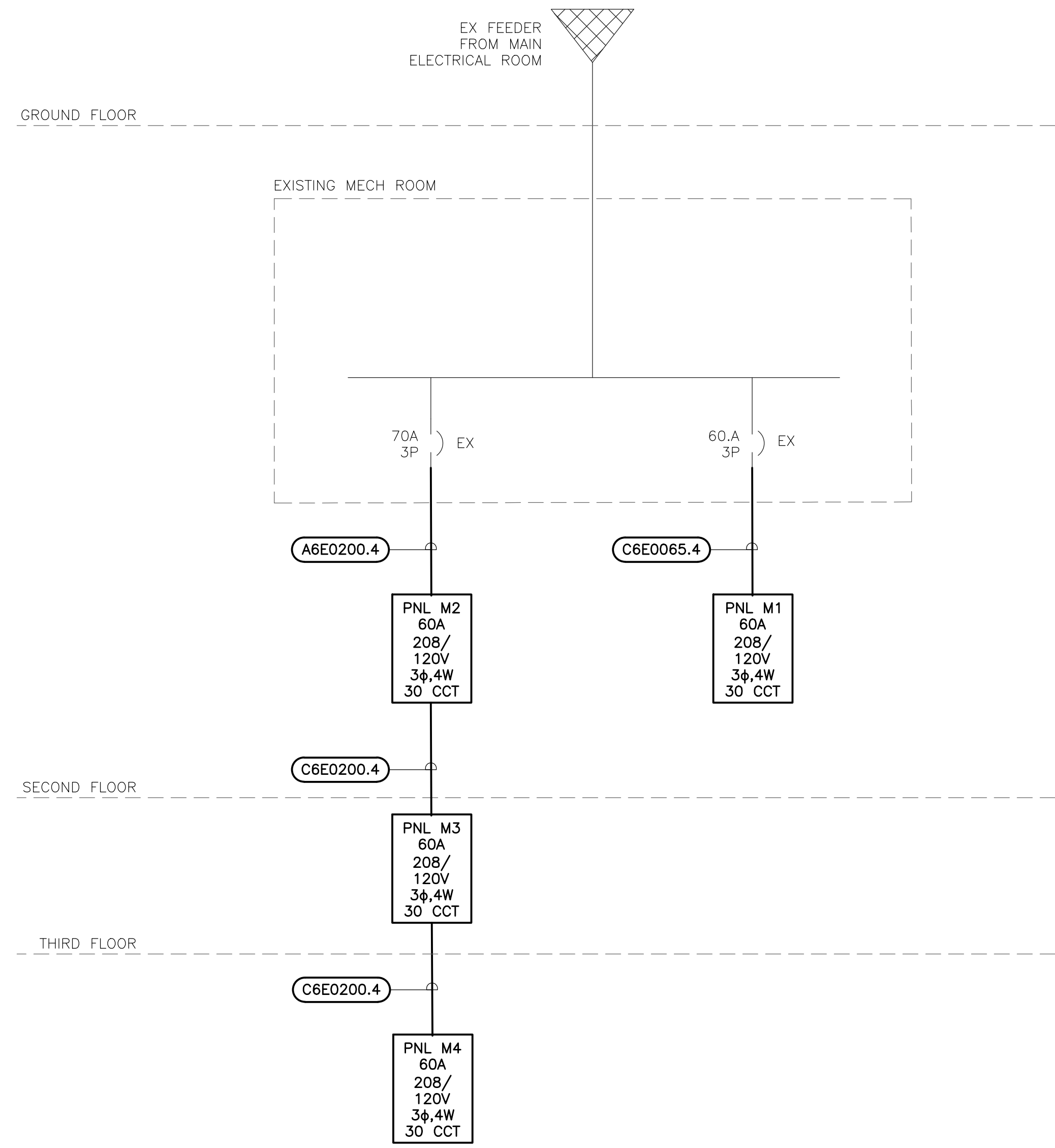


TABLE 'C6' 600V COPPER RW90XLPE UNJACKETED WIRE & CONDUIT SIZE (PER OESC 2021 TABLES 2, 6A, 9E, 9G, 10A AMPACITY BASED ON 75°C COLUMN)

FEEDER NO.	CONDUCTOR + BOND SIZE (AWG OR KCMIL) PER RUN	MAXIMUM FEEDER AMPACITY	NO. OF RUNS	MINIMUM CONDUIT SIZE PER RUN mm (inch.)		
				2 WIRE + BOND	3 WIRE + BOND	4 WIRE + BOND
C6E0065.X	#6AWG + #8AWG	65	1	27 (1)	27 (1)	27 (1)
C6E0200.X	#3/0 + #4AWG	200	1	41 (1½)	53 (2)	53 (2)

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BUILDING DEPARTMENT

ALL CONSTRUCTION TO MEET ONTARIO BUILDING CODE REQUIREMENTS

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Burlington, Ontario

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CONSTRUCTION NORTH

PROFESSIONAL STAMP

LICENCED PROFESSIONAL ENGINEER
C. KURUPPU
C. 100053024
23.10.30
PROVINCE OF ONTARIO

GENERAL NOTE:
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4.	RE-ISSUED FOR PERMIT	23.08.08
3.	ISSUED FOR CCO NO 8	23.07.04
2.	ISSUED FOR PERMIT/CCO NO 7	23.06.07
1.	ISSUED FOR PROGRESS	23.04.28

REVISION SCHEDULE

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PROJECT
**BURLINGTON CENTRAL
H.S. RENOVATIONS**
1433 Baldwin Street Burlington, ON

DRAWN
YC

PROJECT NO
2005

CHECKED
PI

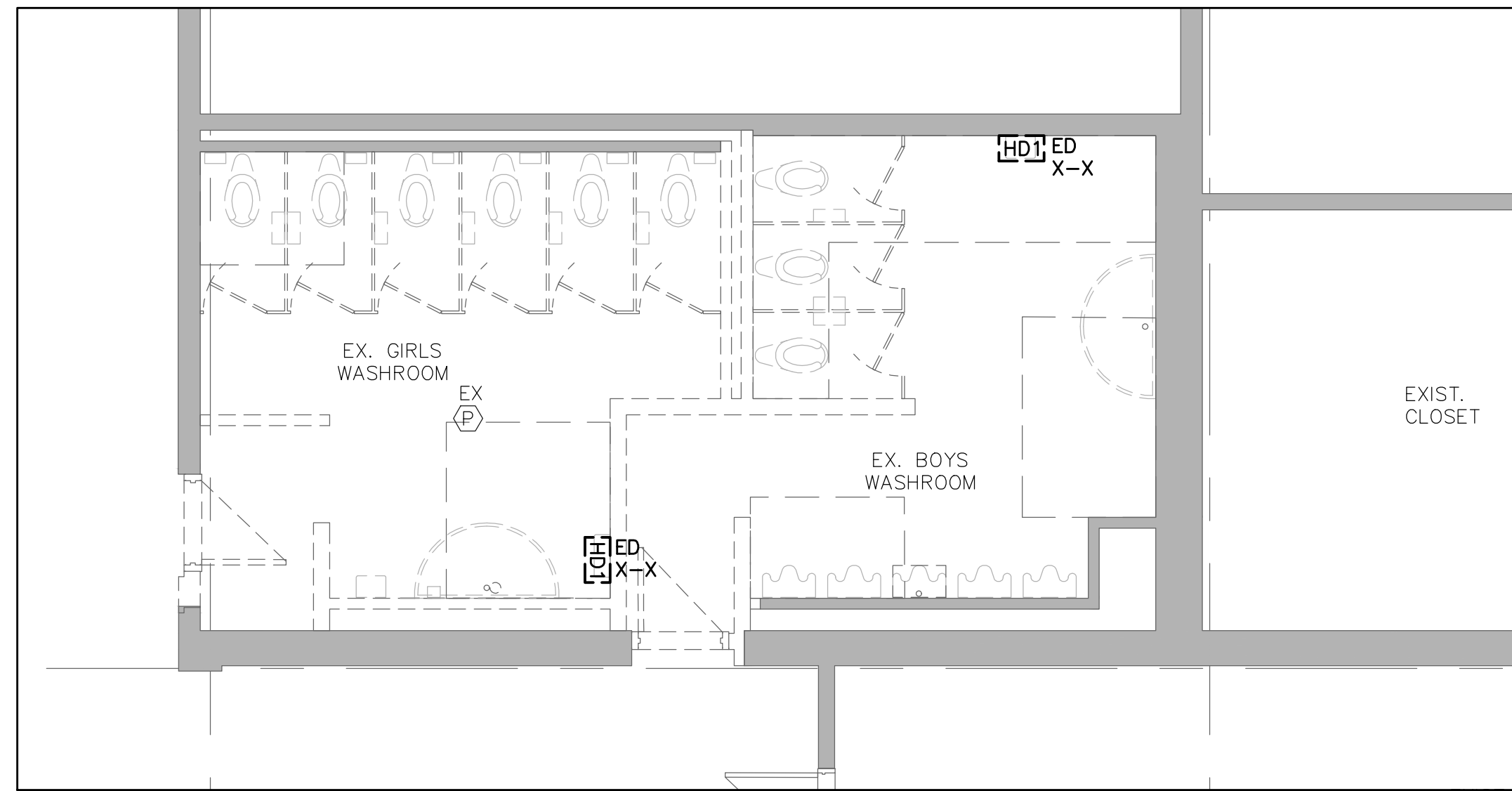
ENG PROJECT NO.
23008

SCALE
NTS

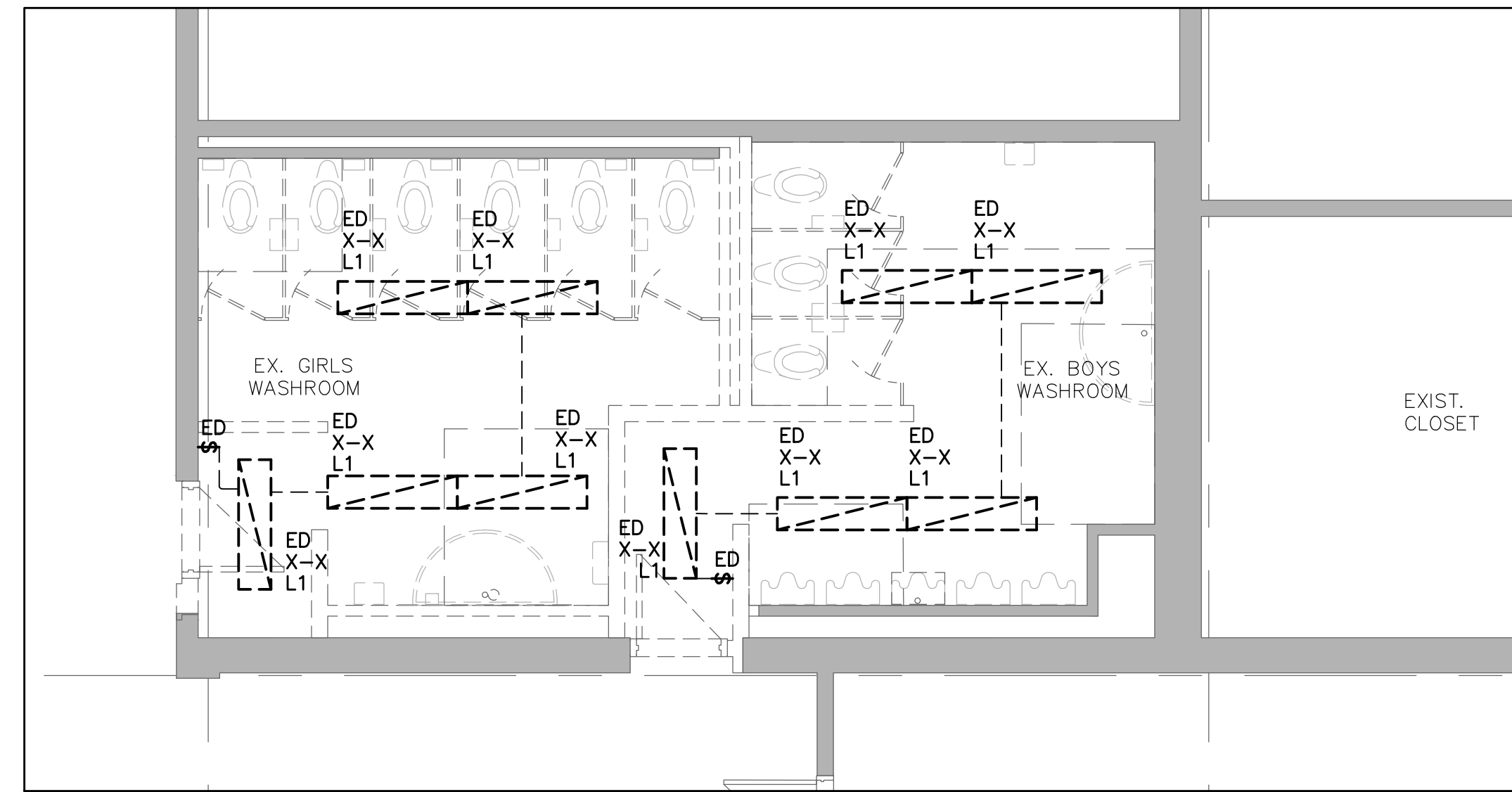
DRAWING
**PANEL SCHEDULES AND
SINGLE LINE DIAGRAM**

RECEIVED
JUNE 16 2023
CITY OF BURLINGTON
BUILDING DEPARTMENT

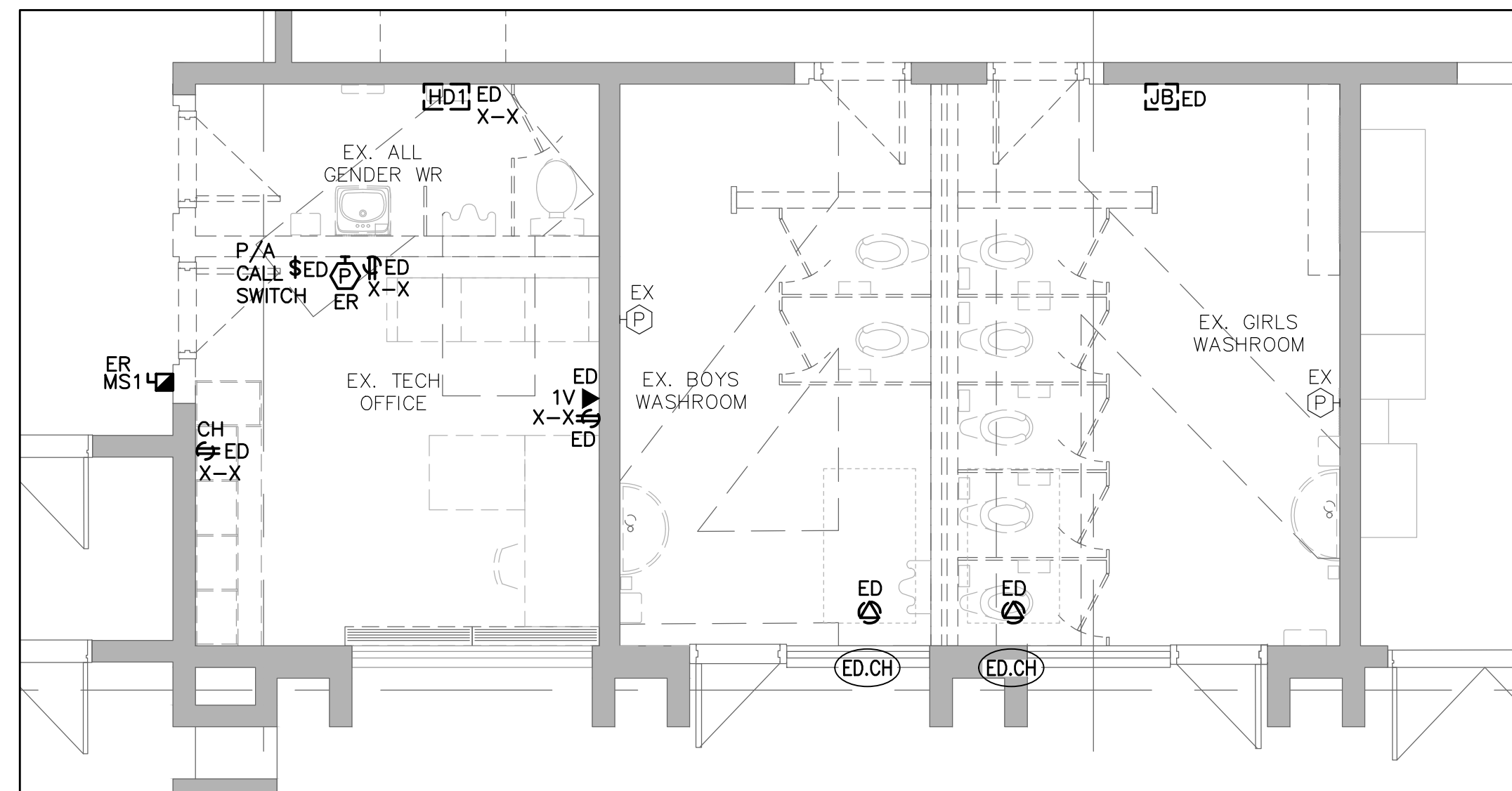
ALL CONSTRUCTION TO MEET ONTARIO BUILDING CODE REQUIREMENTS



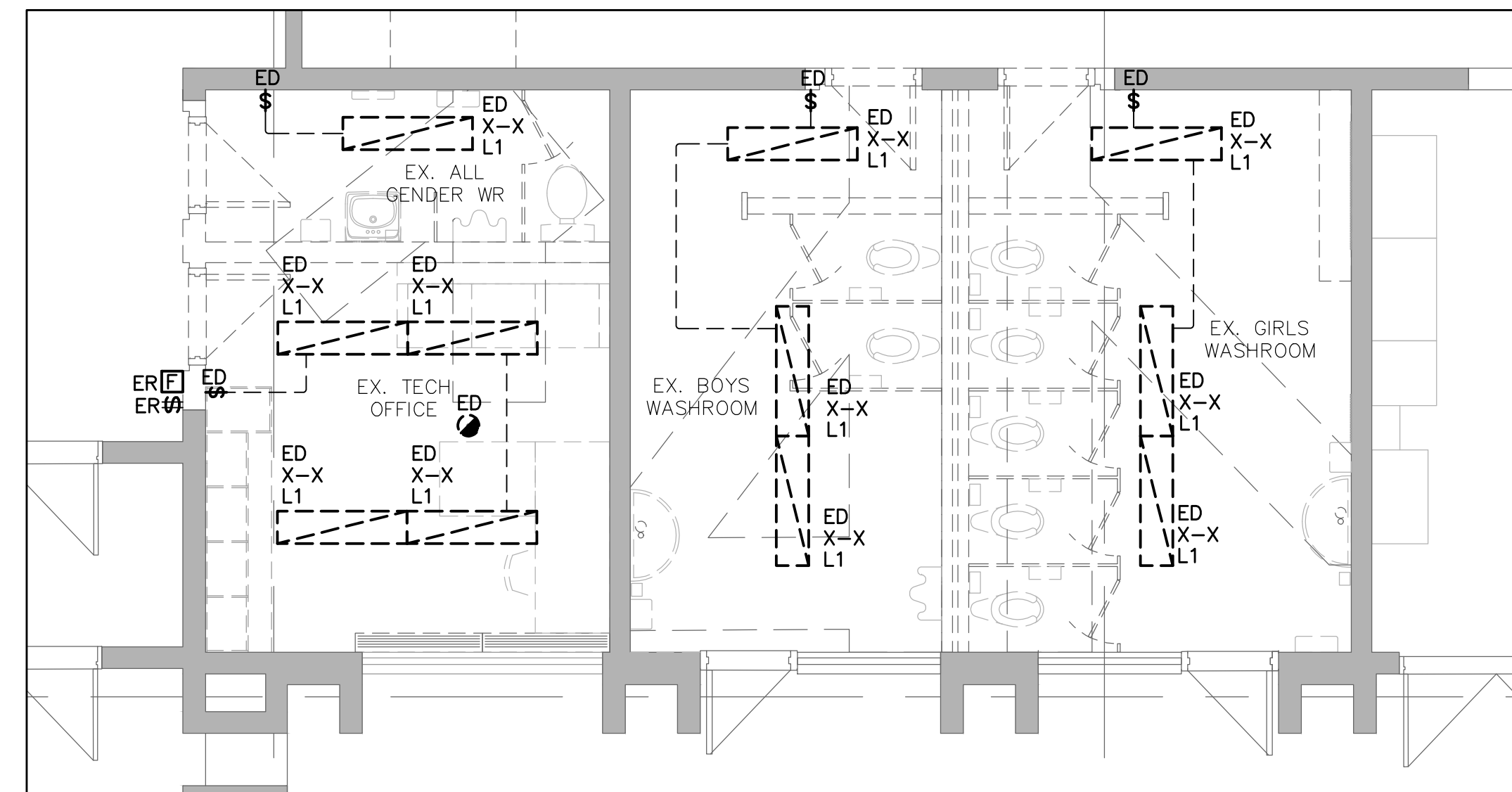
FIRST FLOOR GYM WASHROOM – POWER AND SYSTEMS
SCALE 1:50



FIRST FLOOR GYM WASHROOM – LIGHTING AND LIFE SAFETY
SCALE 1:50



FIRST FLOOR LIBRARY WASHROOM – POWER AND SYSTEMS
SCALE 1:50



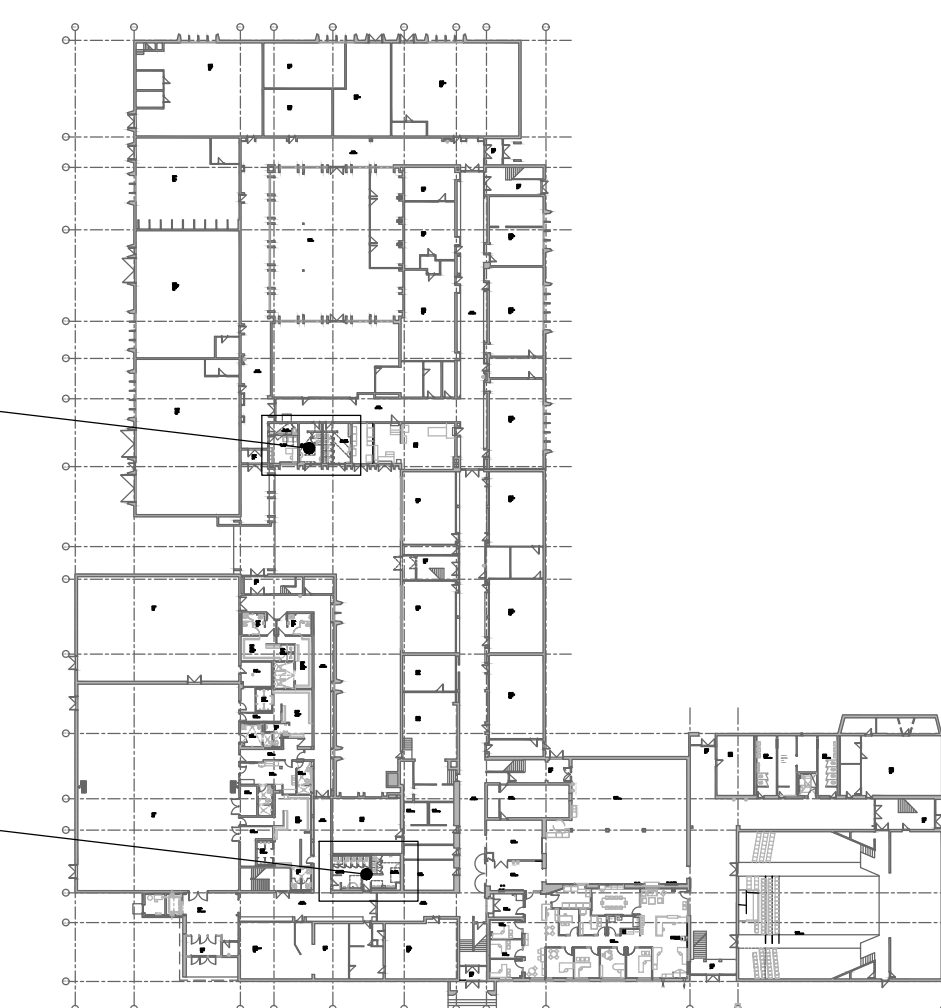
FIRST FLOOR LIBRARY WASHROOM – LIGHTING AND LIFE SAFETY
SCALE 1:50

GENERAL DEMOLITION NOTES:

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2. THE ELECTRICAL CONTRACTOR IS FULLY RESPONSIBLE FOR REMOVING/RELOCATING ALL ELECTRICAL DEVICES/CABLES/CONDUITS ETC. IN AREAS BEING DEMOLISHED AS SHOWN ON ARCHITECTURAL AND ELECTRICAL DRAWINGS. NO ATTEMPT HAS BEEN MADE TO IDENTIFY EVERY SINGLE EXISTING ELECTRICAL DEVICE ON EXISTING DRAWINGS. THE CONTRACTOR IS TO VISIT THE SITE PRIOR TO SUBMITTING TENDER PRICE TO REVIEW WHAT IS REQUIRED WITH RESPECT TO DEMOLITION. NO EXTRAS WILL BE ALLOWED FOR NOT THOROUGHLY REVIEWING THE EXISTING SITE.
3. ELECTRICAL CONTRACTOR TO RE-ARRANGE AND RE-SUPPORT ALL EXISTING BOXES, CONDUITS AND WIRING ABOVE EXISTING CEILING TILES. USE NEW BOX, CONDUITS AND WIRING AS REQUIRED TO MAKE SAFE AND CLEAN INSTALLATION TO MEET CURRENT CODE AND ESA REQUIREMENTS.
4. UNUSED CONDUITS AND WIRING IN EXISTING CEILING SPACE TO BE REMOVED. PROVIDE THE REQUIRED TESTS TO ENSURE SAFE REMOVAL AS REQUIRED.
5. FOR EXISTING PULL BOXES AND JUNCTION BOXES WITH NO COVER PLATES ABOVE EXISTING CEILINGS, THE ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL NEW COVERS TO MAKE SAFE AS REQUIRED.
6. FOR INDICATED DEVICES SHOWN TO BE DEMOLISHED, THE ELECTRICAL CONTRACTOR SHALL REMOVE ALL WIRING AND CONDUITS BACK TO SOURCE AND REWORK OR PROVIDE NEW WIRING/CONDUIT TO DEVICES THAT MAY BE FED ON THE SAME CIRCUIT AS THE DEVICE TO BE DEMOLISHED.
7. FOR INDICATED DEVICES SHOWN TO BE RELOCATED, ELECTRICAL CONTRACTOR TO REWORK OR PROVIDE NEW WIRING/CONDUIT TO REINSTALL EXISTING DEVICES AS SHOWN IN NEW PLAN.
8. ELECTRICAL CONTRACTOR SHALL COORDINATE AND VERIFY WITH THE OWNER ALL DEVICES TO BE SALVAGED, MOVED & STORED PRIOR TO DEMOLITION.

EX. LIBRARY WASHROOMS

EX. GYM WASHROOMS



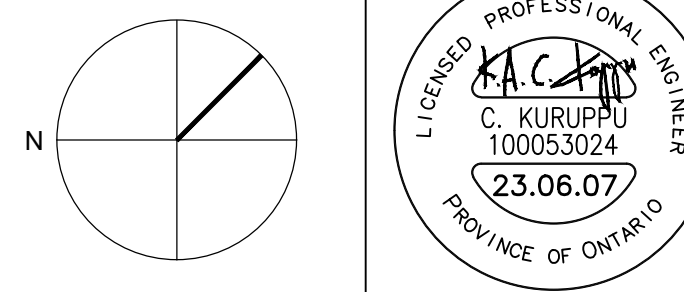
FIRST FLOOR KEY PLAN
SCALE 1:1000

CLIENT
Halton District School Board
2050 Guelph Line
Burlington, Ontario

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1.	ISSUED FOR PROGRESS	23.04.28

REVISION SCHEDULE

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PROJECT
**BURLINGTON CENTRAL
H.S. RENOVATIONS**

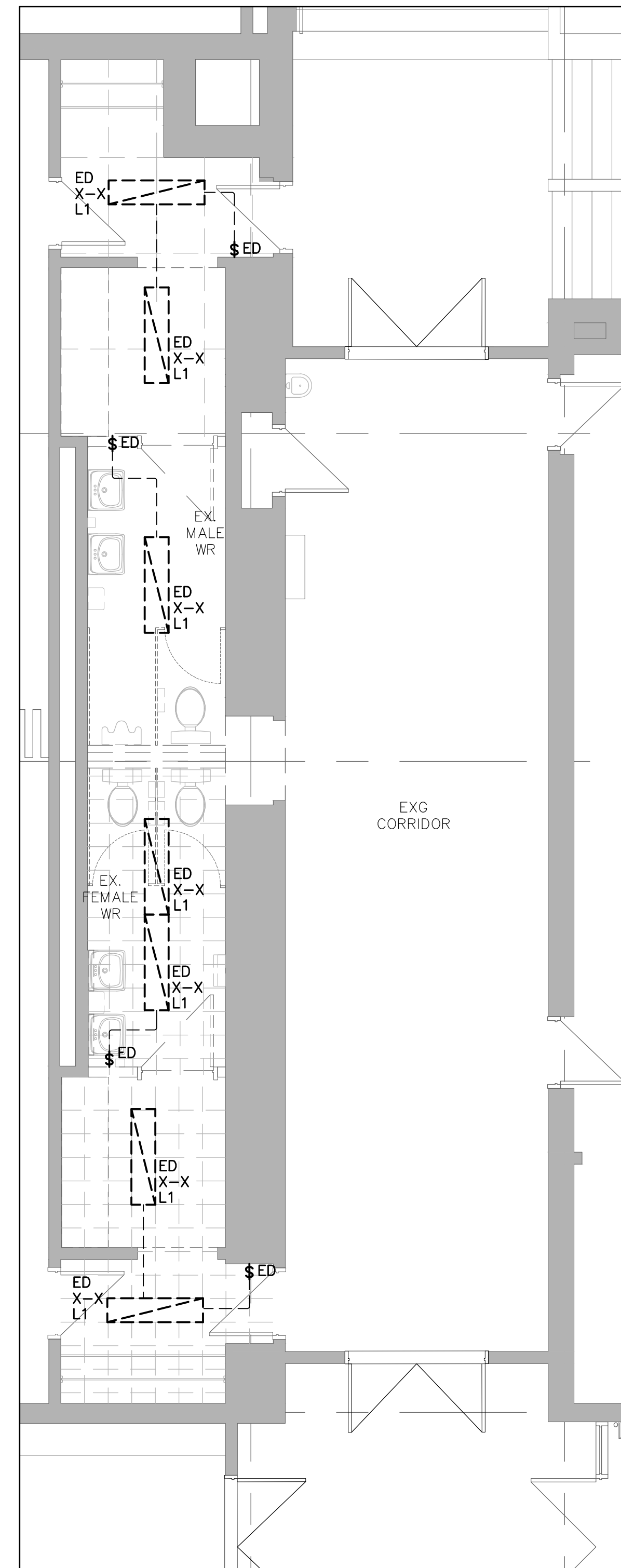
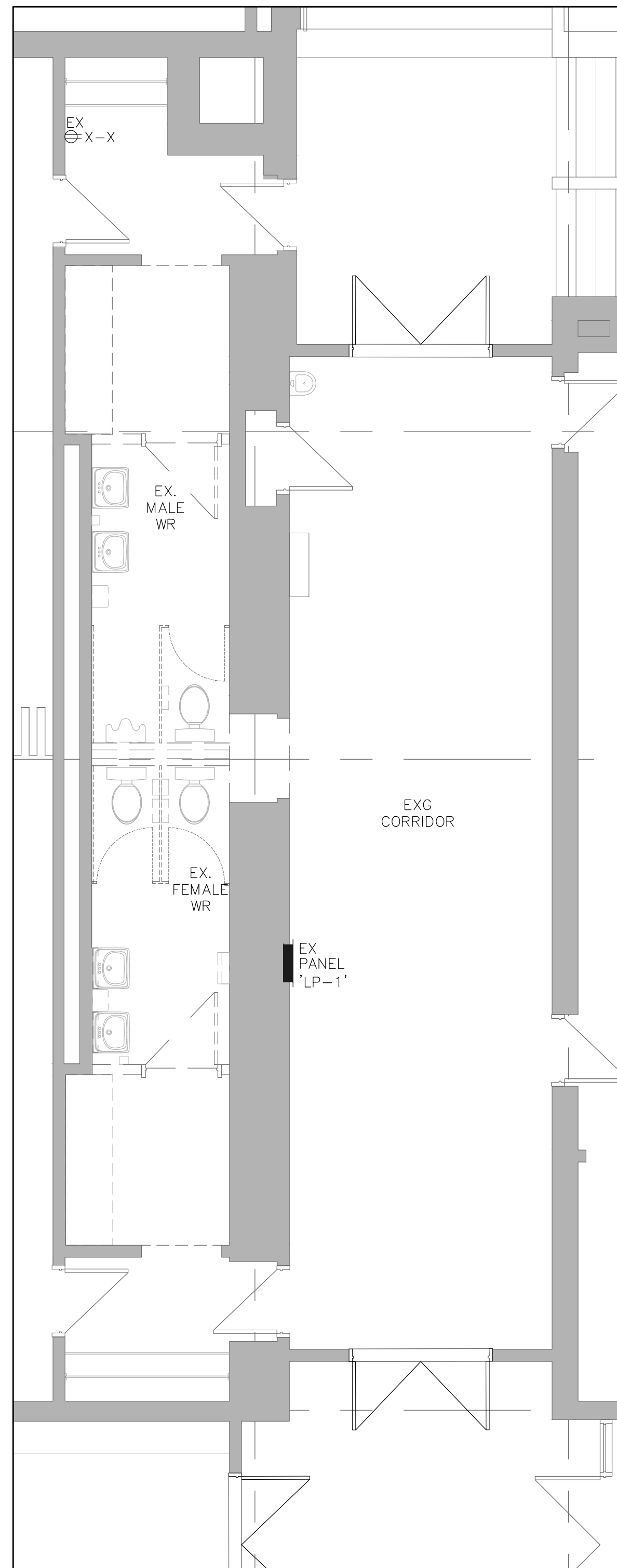
1433 Baldwin Street Burlington, ON

DRAWN	PROJECT NO
YC	2005
CHECKED	ENG PROJECT NO.
PI	23008
SCALE	
1 : 50	

DRAWING
**GROUND FLOOR
POWER AND LIGHTING
DEMOLITION**

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**ALL CONSTRUCTION TO
MEET ONTARIO BUILDING
CODE REQUIREMENTS**



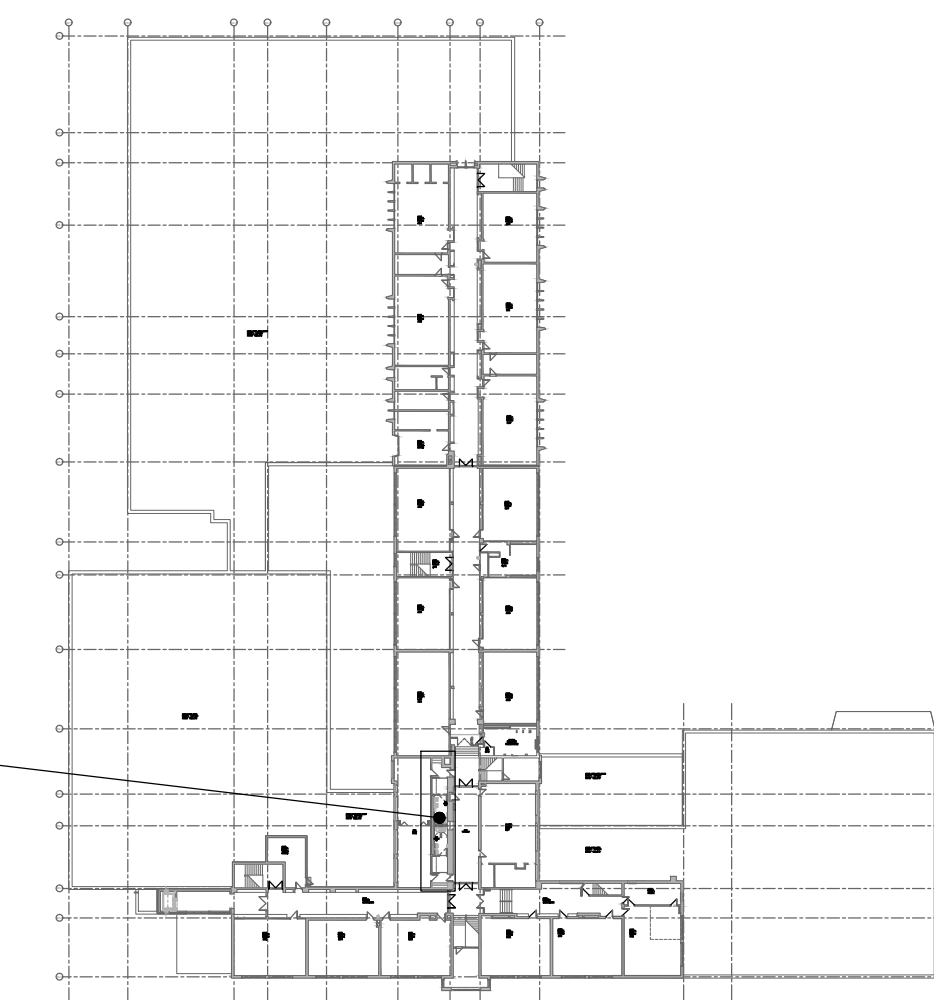
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THIRD FLOOR STAFF RM WR – POWER AND SYSTEMS
SCALE 1:50

THIRD FLOOR STAFF RM WR – LIGHTING AND LIFE SAFETY
SCALE 1:50

AREA OF WORK



THIRD FLOOR KEY PLAN
SCALE 1:1000

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Halton District School Board
2050 Guelph Line
Burlington, Ontario

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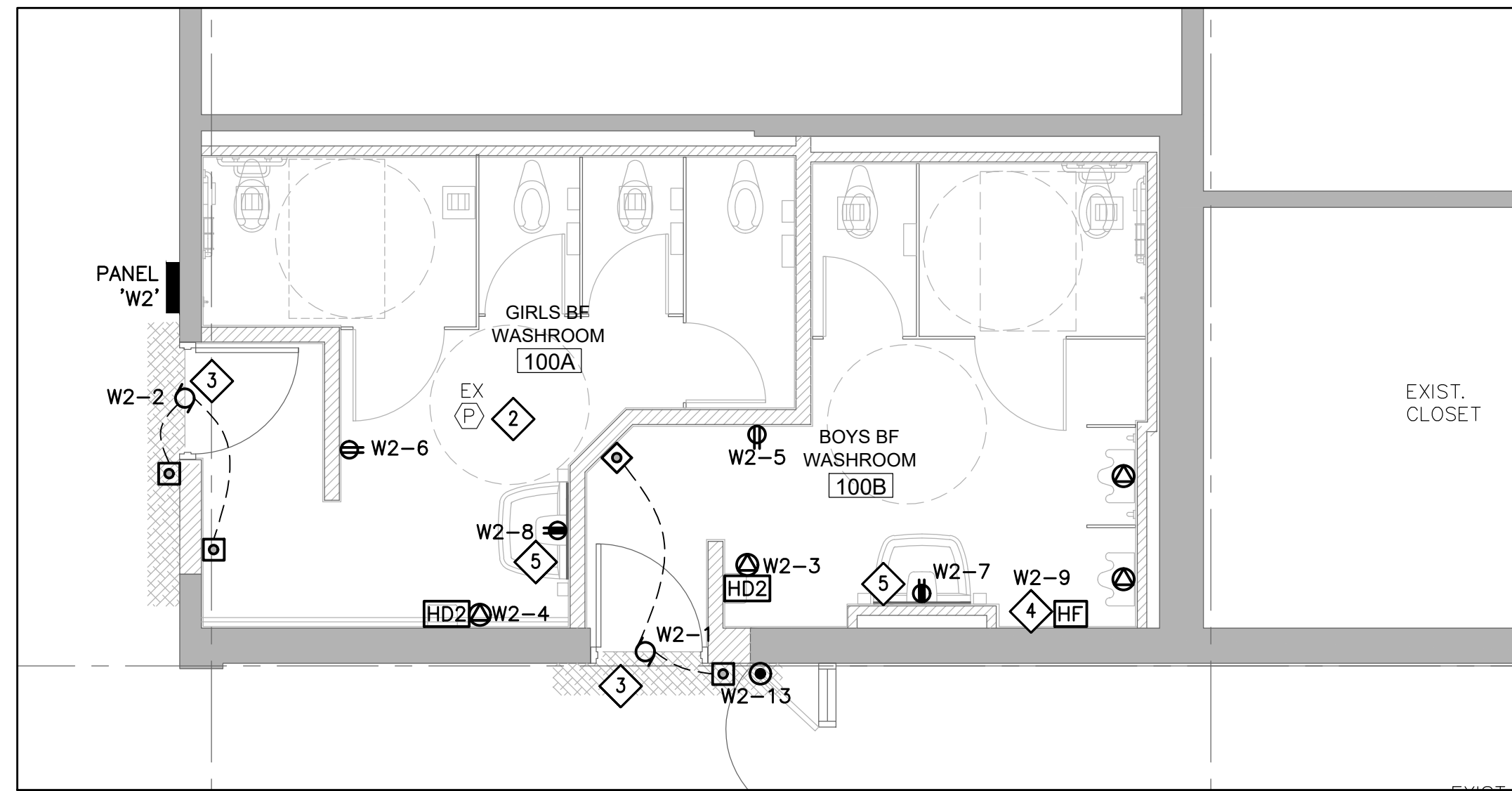
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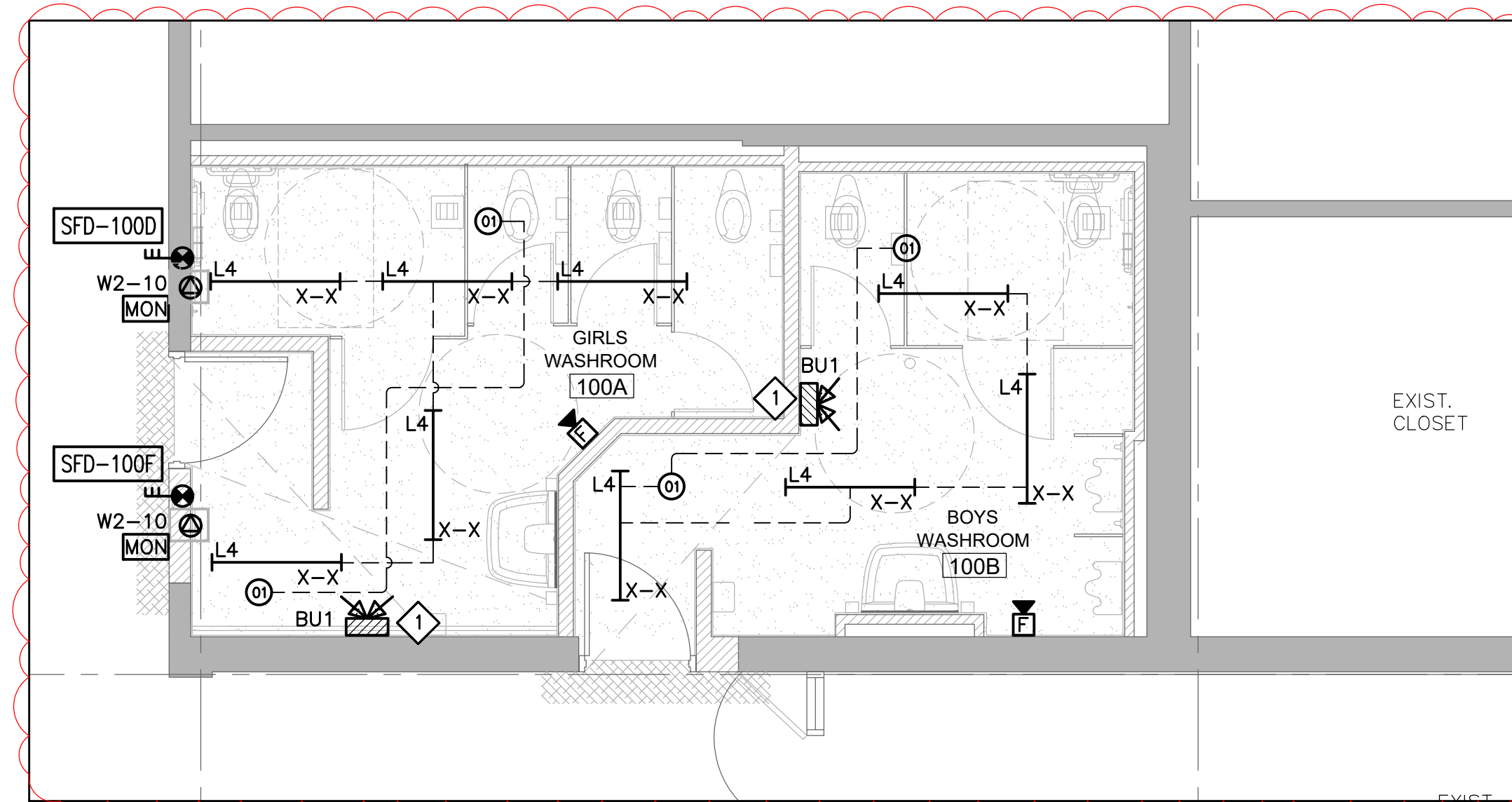
PROJECT
**BURLINGTON CENTRAL
H.S. RENOVATIONS**
1433 Baldwin Street Burlington, ON

DRAWN YC	PROJECT NO 2005
CHECKED PI	ENG PROJECT NO. 23008
SCALE 1 : 50	

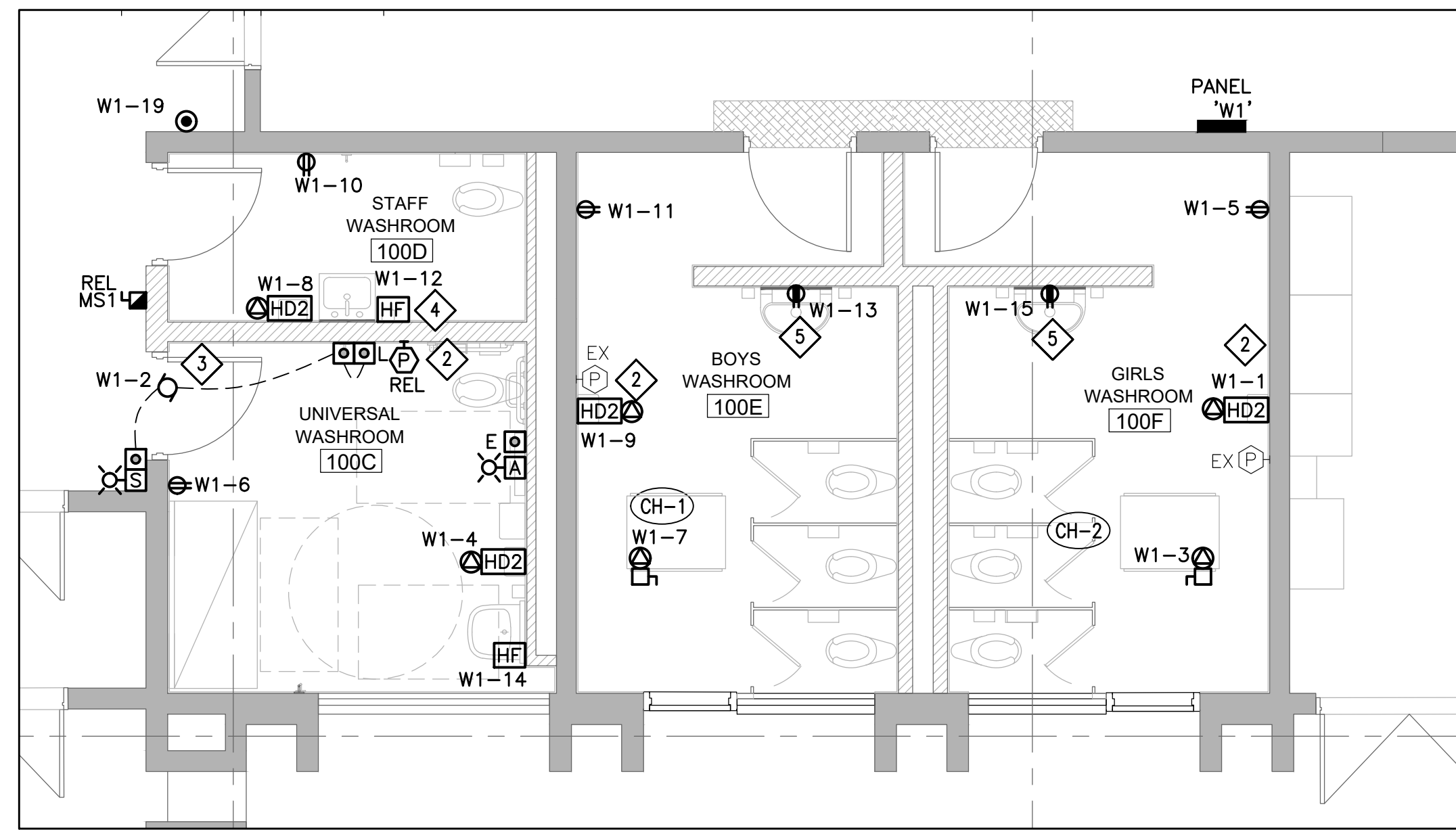
DRAWING
**THIRD FLOOR
POWER AND LIGHTING
DEMOLITION**



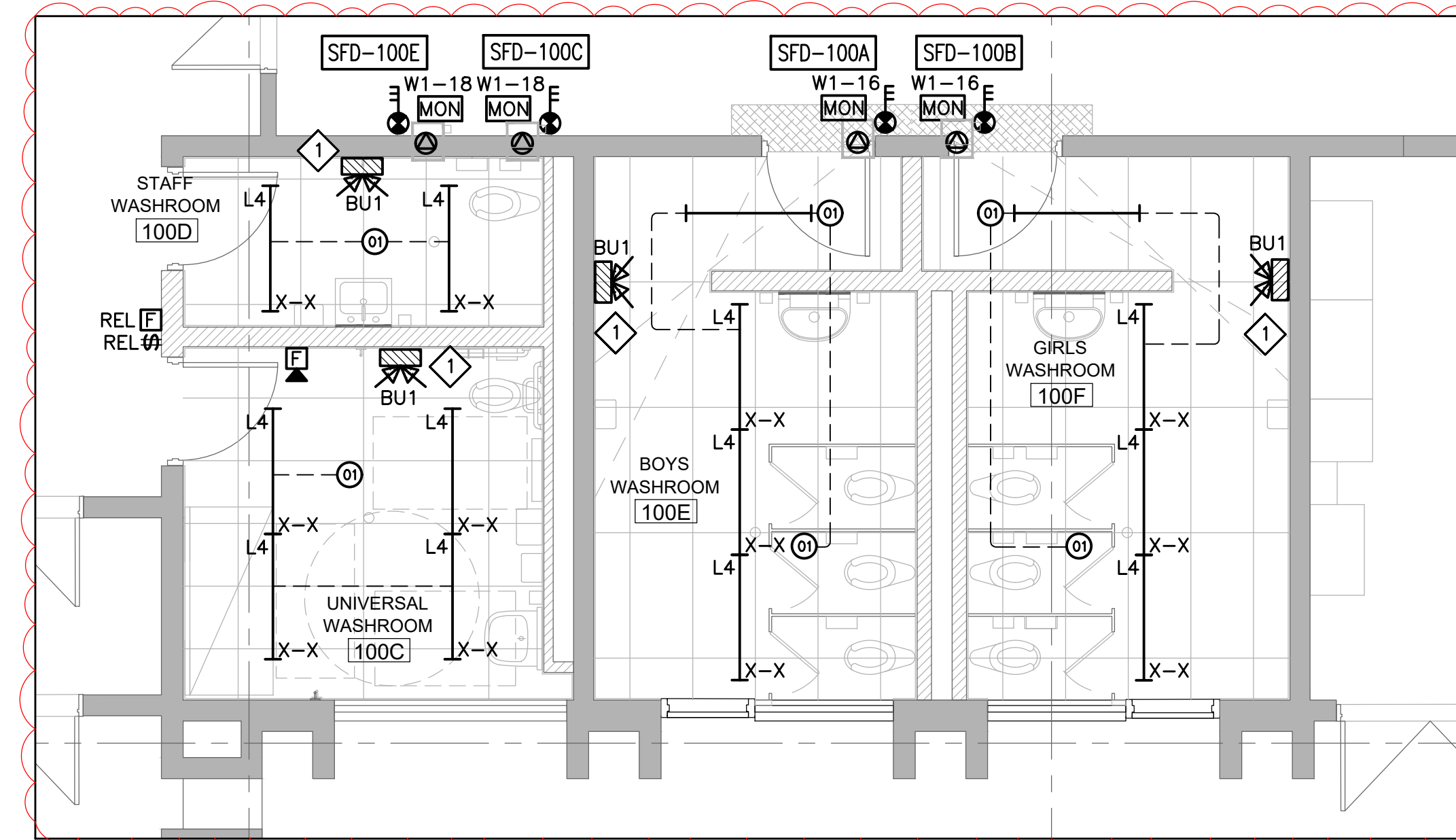
FIRST FLOOR GYM WASHROOM - POWER AND SYSTEMS
SCALE 1:50



FIRST FLOOR GYM WASHROOM - LIGHTING AND LIFE SAFETY
SCALE 1:50



FIRST FLOOR LIBRARY WASHROOM - POWER AND SYSTEMS
SCALE 1:50



FIRST FLOOR LIBRARY WASHROOM - LIGHTING AND LIFE SAFETY
SCALE 1:50

GENERAL DRAWING NOTES:

1. WIRE NEW LIGHTING FIXTURES TO THE SAME BRANCH CIRCUIT THAT THE EXISTING LIGHTS ARE WIRED TO.

DRAWING KEYNOTES:

- 1 WIRE NEW BATTERY UNIT TO THE SAME BRANCH CIRCUIT THAT THE WASHROOM LIGHTS ARE WIRED TO.
- 2 SUPPLY AND INSTALL NEW SPEAKER COVER FOR EXISTING SPEAKER. COORDINATE WITH SCHOOL FOR EXACT SPEAKER COVER SPECIFICATIONS.
- 3 WIRE POWER DOOR OPERATOR TO FIRE ALARM CONTROL MODULE TO RELEASE UPON ACTIVATION OF THE FIRE ALARM.
- 4 PROVIDE NEW WIRING/CONDUIT/BOX AS REQUIRED FOR NEW LOW VOLTAGE BOX MOUNT TRANSFORMER FOR HARDWIRED FAUCET(S) AND URINAL SENSORS. COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT QUANTITIES OF TRANSFORMER(S) AND ALL LOW VOLTAGE WIRING AND TRANSFORMER(S) BY MECHANICAL CONTRACTOR.
- 5 FOR LOCATION OF GFCI RECEPTACLE REFER TO INSTALLATION MENU FOR WASHFOUNTAIN.

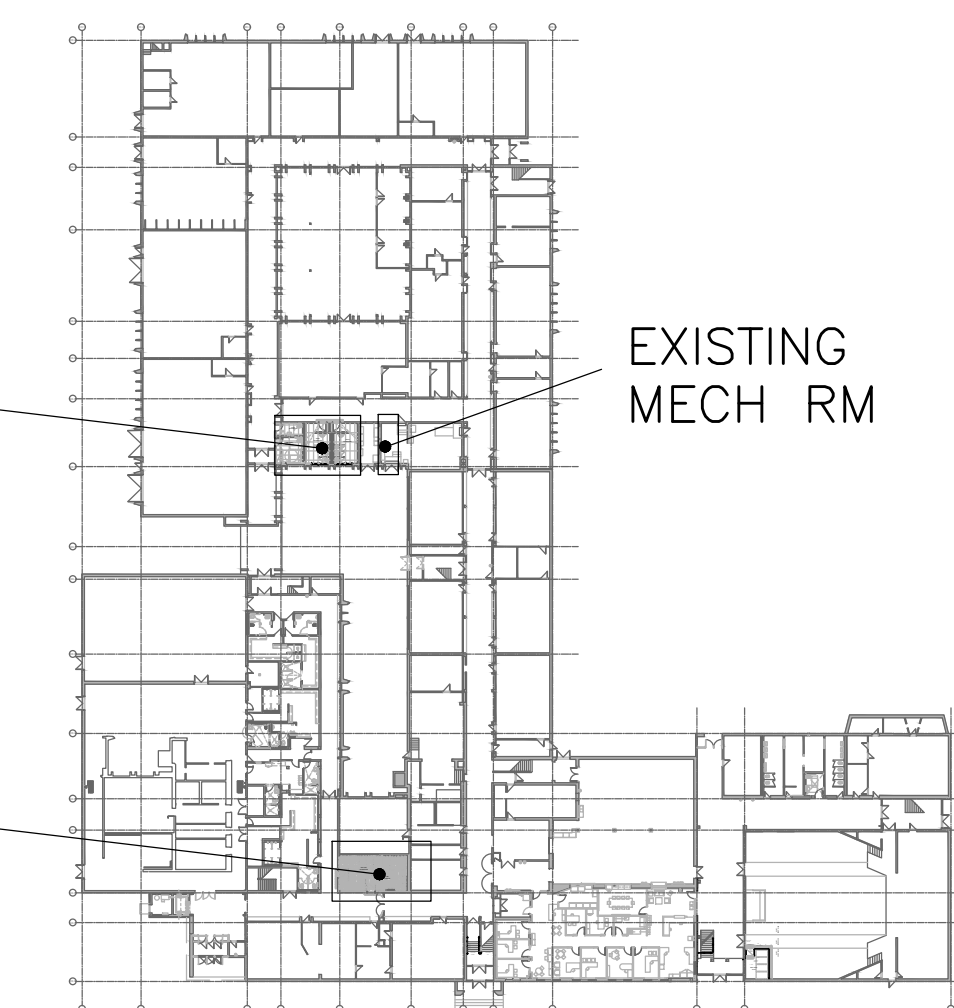
LIGHTING AND EMERGENCY POWER TO COMPLY WITH DIV. B, 3.2.7. OBC.
FIRE ALARM SYSTEM TO BE INSTALLED AND VERIFIED BY MANUFACTURER'S REPRESENTATIVE, TO THE REQUIREMENTS OF OBC SUBSECTION DIV. B, 3.2.4. AND CAN/ULC-S524-M AND CAN/ULC-S537-M. SEPARATE ONTARIO HYDRO FIRE ALARM PERMIT IS ALSO REQUIRED.
NOTE: FINAL LOCATION OF EXIT LIGHTS, EMERGENCY LIGHTING AND FIRE ALARM DEVICES ARE SUBJECT TO FIELD APPROVAL.

Audibility of Alarm Systems shall conform to Div. B, 3.2.4.20, OBC 2012 (Typical)

LIBRARY WASHROOMS

EXISTING MECH RM

GYM WASHROOMS



FIRST FLOOR KEY PLAN
SCALE 1:1000

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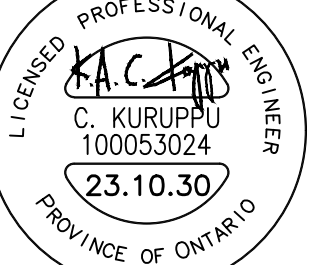
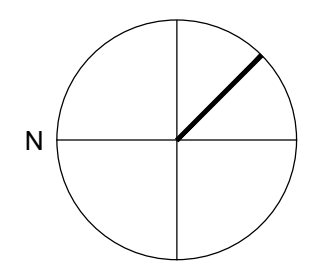
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H.S. RENOVATIONS

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DRAWN

YC

PROJECT NO

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CHECKED

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23008

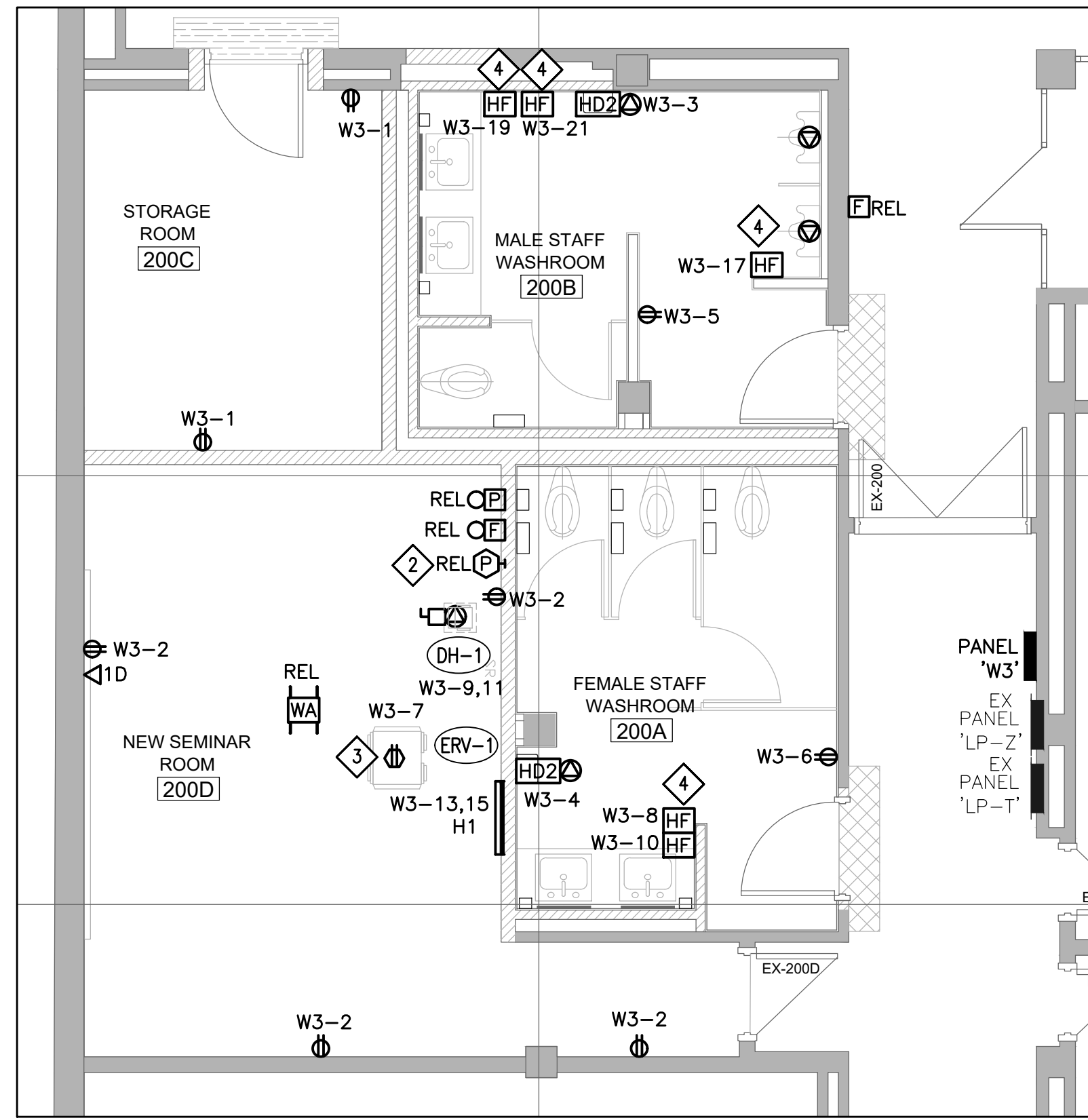
SCALE

1 : 50

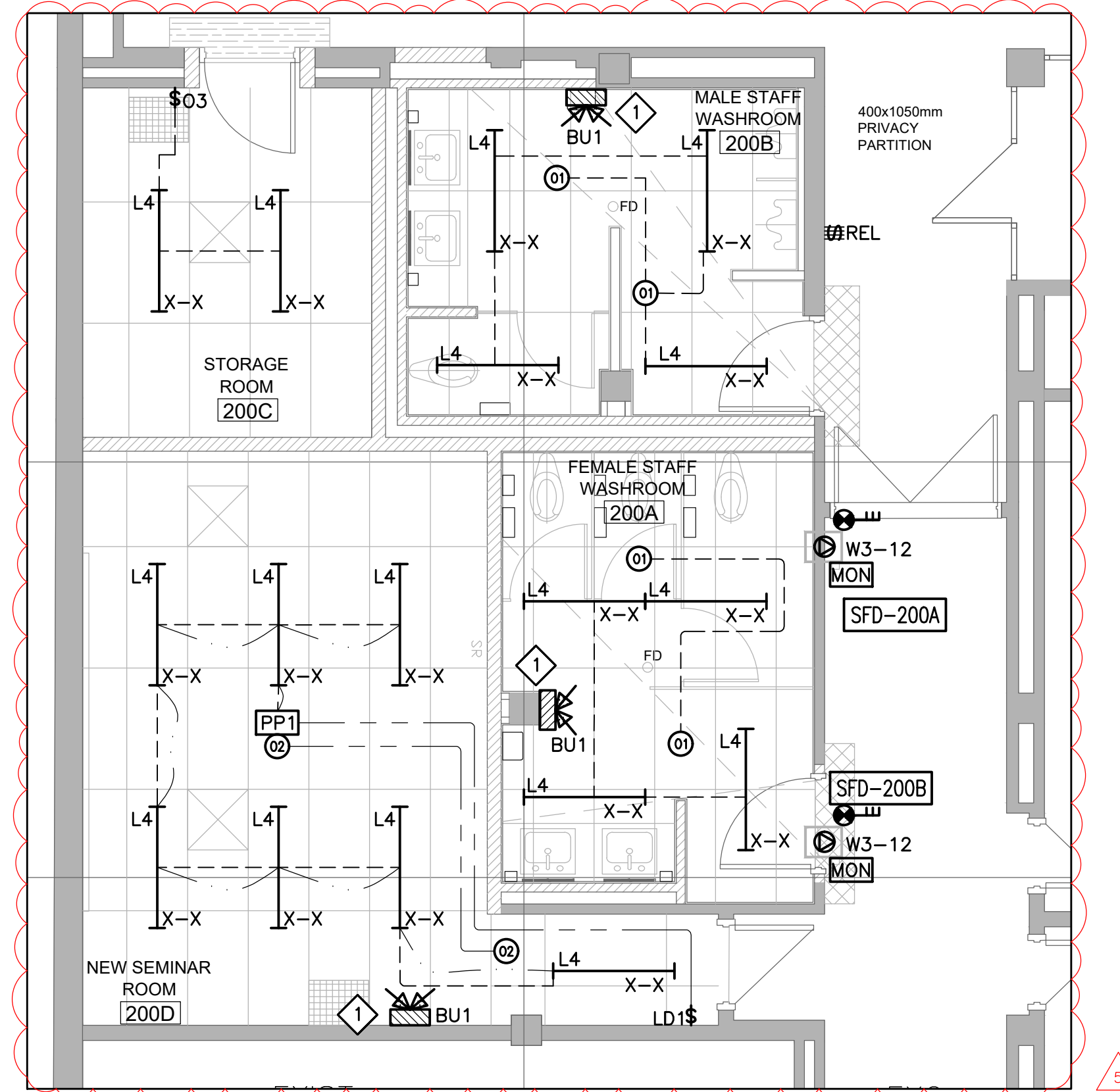
DRAWING

GROUND FLOOR
POWER AND LIGHTING
NEW

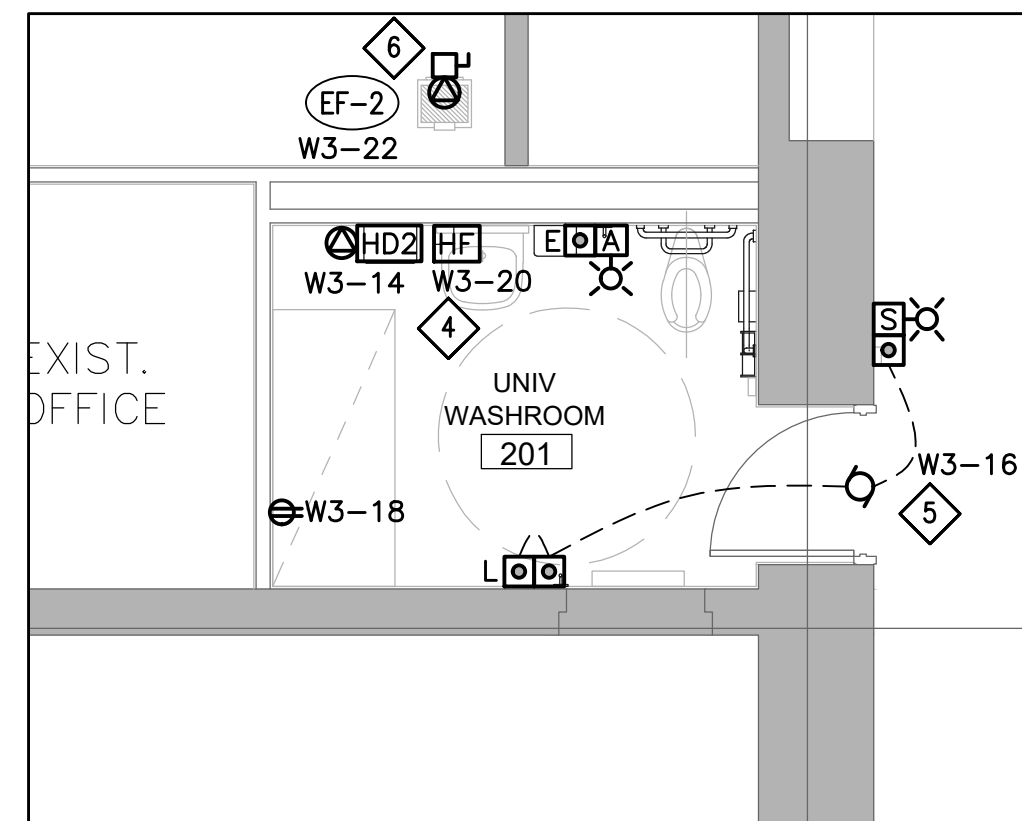
E401



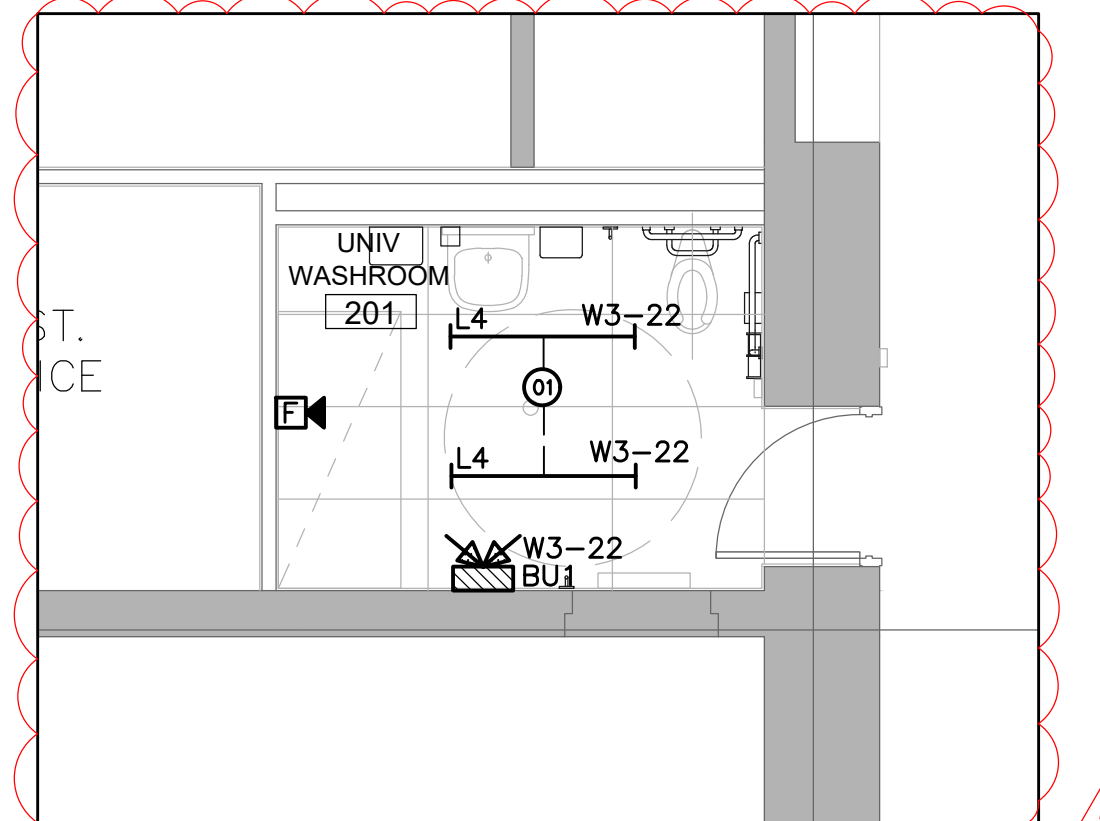
SECOND FLOOR WR, SEMINAR RM & STG – POWER AND SYSTEMS
SCALE 1:50



SECOND FLOOR WR, SEMINAR RM & STG – LIGHTING & LIFE SAFETY
SCALE 1:50



SECOND FLOOR UNIVERSAL WASHROOM – POWER AND SYSTEMS
SCALE 1:50



SECOND FLOOR UNIVERSAL WASHROOM – LIGHTING & LIFE SAFETY
SCALE 1:50

GENERAL DRAWING NOTES:

1. WIRE NEW LIGHTING FIXTURES TO THE SAME BRANCH CIRCUIT THAT THE EXISTING LIGHTS ARE WIRED TO.

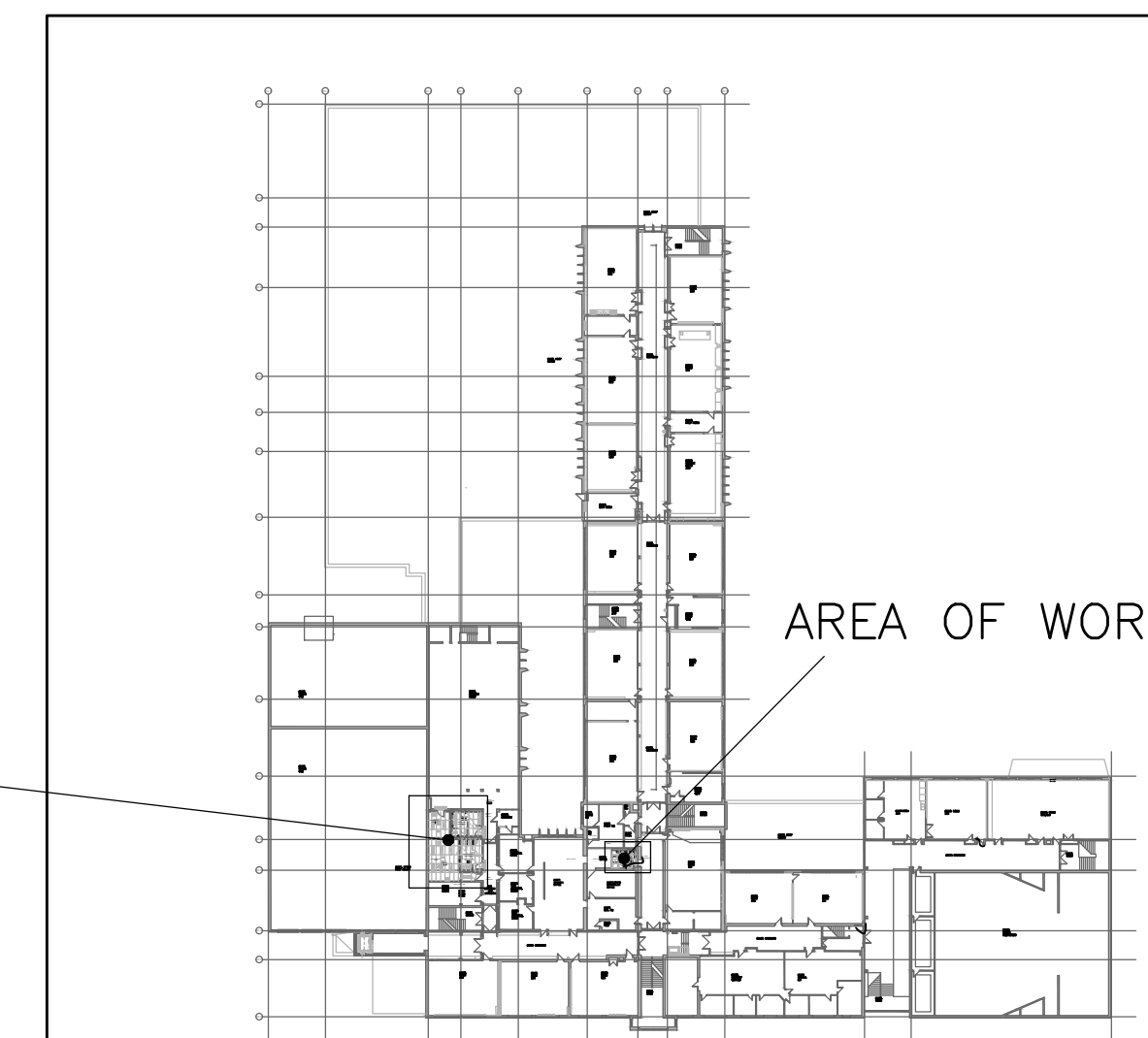
DRAWING KEYNOTES:

1. WIRE NEW BATTERY UNIT TO THE SAME BRANCH CIRCUIT THAT THE WASHROOM LIGHTS ARE WIRED TO.
2. SUPPLY AND INSTALL NEW SPEAKER COVER FOR EXISTING SPEAKER. COORDINATE WITH SCHOOL FOR EXACT SPEAKER COVER SPECIFICATIONS.
3. ABOVE CEILING MOUNT RECEPTACLE FOR ERV.
4. PROVIDE NEW WIRING/CONDUIT/BOX AS REQUIRED FOR NEW LOW VOLTAGE BOX MOUNT TRANSFORMER FOR HARDWIRED FAUCET(S) AND URINAL SENSORS. COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT QUANTITIES OF TRANSFORMER(S) AND ALL LOW VOLTAGE WIRING AND TRANSFORMER(S) BY MECHANICAL CONTRACTOR.
5. WIRE POWER DOOR OPERATOR TO FIRE ALARM CONTROL MODULE TO RELEASE UPON ACTIVATION OF THE FIRE ALARM.
6. WIRE EXHAUST FAN EF-2 TO OUTPUT OF LINE VOLTAGE OCCUPANCY SENSOR THAT CONTROLS LIGHTING IN WASHROOM.

LIGHTING AND EMERGENCY POWER TO COMPLY WITH DIV. B, 3.2.7. OBC.
FIRE ALARM SYSTEM TO BE INSTALLED AND VERIFIED BY MANUFACTURER'S REPRESENTATIVE, TO THE REQUIREMENTS OF OBC SUBSECTION DIV. B, 3.2.4. AND CAN/ULC-S524-M AND CAN/ULC-S537-M. SEPARATE ONTARIO HYDRO FIRE ALARM PERMIT IS ALSO REQUIRED.
NOTE: FINAL LOCATION OF EXIT LIGHTS, EMERGENCY LIGHTING AND FIRE ALARM DEVICES ARE SUBJECT TO FIELD APPROVAL.

Audibility of Alarm Systems shall conform to Div. B, 3.2.4.20, OBC 2012 (Typical)

AREA OF WORK



SECOND FLOOR KEY PLAN
SCALE 1:1000

RECEIVED
NOV 01 2023
CITY OF BURLINGTON
BUILDING DEPARTMENT

ALL CONSTRUCTION TO MEET ONTARIO BUILDING CODE REQUIREMENTS

CLIENT
Halton District School Board
2050 Guelph Line
Burlington, Ontario

ARCHITECT
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Snyder Architects Inc.
260 King St. E. Unit A101, Toronto, ON M5A 4L5
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2400 INDUSTRIAL STREET
BURLINGTON, ON L7P 1A5
www.ckenge.com | info@ckenge.net | 905.631.1115

CONSTRUCTION NORTH	PROFESSIONAL STAMP

GENERAL NOTE:
DRAWINGS, SPECIFICATIONS AND SCHEDULES ARE COMPLEMENTARY EACH TO THE OTHER AND WHAT IS CALLED FOR BY ONE TO BE BINDING AS IF CALLED FOR BY ALL. SHOULD ANY DISCREPANCY APPEAR BETWEEN DOCUMENTS WHICH LEAVES DOUBT AS TO THE INTENT OR MEANING, ASIDE BY PRECEDENCE OF DOCUMENT OR OBTAIN DIRECTION FROM THE CONSULTANT. REFER TO COVER SHEET A-000 FOR FULL LIST OF DRAWINGS.
EXAMINE ALL DISCIPLINE DRAWINGS, SPECIFICATIONS AND SCHEDULES AND RELATED WORK TO ENSURE THAT WORK CAN BE SATISFACTORILY EXECUTED. CONFLICTS OR ADDITIONAL WORK BEYOND WORK DESCRIBED TO BE BROUGHT TO ATTENTION OF CONSULTANT.

NO.	DESCRIPTION	DATE
5.	RE-ISSUED FOR PERMIT	23.10.30
4.	RE-ISSUED FOR PERMIT	23.09.05
3.	RE-ISSUED FOR PERMIT	23.08.08
2.	ISSUED FOR PERMIT/ CCO NO 7	23.06.07
1.	ISSUED FOR PROGRESS	23.04.28

REVISION SCHEDULE

CONTRACTOR IS TO CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND TO REPORT ANY DISCREPANCIES TO THE CONSULTANTS BEFORE PROCEEDING WITH THE WORK. DRAWINGS ARE NOT TO BE SCALED. CONTRACT DOCUMENTS REMAIN THE PROPERTY OF THE CONSULTANTS AND SHALL BE RETURNED UPON COMPLETION OF THE PROJECT.

PROJECT
**BURLINGTON CENTRAL
H.S. RENOVATIONS**
1433 Baldwin Street Burlington, ON

DRAWN YC	PROJECT NO 2005
CHECKED PI	ENG PROJECT NO. 23008
SCALE 1 : 50	

DRAWING
**SECOND FLOOR
POWER AND LIGHTING
NEW**

