

LEGEND	
	FIXTURE TYPE "A1"
	15A, 125V/347V SINGLE POLE SWITCH, S; (TWO POLE), S; (3-WAY), S; (4-WAY), S; (KEY OPERATED), S; (DIMMER), S; (C/W PILOT LIGHT), S; (LOW VOLTAGE), S; (TIMER), S; (OCCUPANCY SENSOR SWITCH), S; (GANGED SWITCHES)
	LIGHTING FIXTURE (LETTER DENOTES THE TYPE OF FIXTURE)
	EMERGENCY LIGHTING FIXTURE (LETTER DENOTES THE TYPE OF FIXTURE)
	EXISTING CEILING MOUNTED OCCUPANCY SENSOR
	EXISTING WALL MOUNTED PIR SENSOR
	ELECTRICAL PANEL
	NCM PDT 10 RJB LOW VOLTAGE CEILING MOUNT SENSOR, PASSIVE DUAL TECHNOLOGY, LARGE MOTION / EXTENDED RANGE 360° LENS, REAR RJ-45 PORTS
	NCM PDT 9 RJB LOW VOLTAGE CEILING MOUNT SENSOR, PASSIVE DUAL TECHNOLOGY, SMALL MOTION / STANDARD RANGE 360° LENS, REAR RJ-45 PORTS
	NCM 10 RJB LOW VOLTAGE CEILING MOUNT SENSOR, LARGE MOTION / EXTENDED RANGE 360° LENS, REAR RJ-45 PORTS
	DP2-NPP16 D EFP-POWER/RELAY PACK, DIMMING,EXTERNAL FAULT
	NIGHT WIRED AESTHETIC WALLPOD, 4 SCENE CONTROL, RAISE/LOWER DIMMING
	NP0DMA 2S XX-NIGHT WIRED AESTHETIC WALLPOD, 2 SCENE CONTROL (2 BUTTONS)
	NECY 347 BAC REMR ENC NW GFXX, NIGHT ECLYPSE, 120V, BACNET, REMOTE CONNECTIVITY ENABLED + RELAY, NO W-FI NGWY2 GFX AND PS 150 POWER SUPPLY
	WSX SA(COLOR) WALL SWITCH DECORATOR SENSOR-PASSIVE INFRARED (PIR), W/ CONVERTIBLE NEUTRAL/NO NEUTRAL WIRING, SEMI AUTOMATIC
	S01 WSXA XX WALL SWITCH SENSOR
	FIRE ALARM PULL STATION C/W LEXAN COVER & WITH A BATTERY BUZZER
	FLUSH WALL OR CEILING MOUNTED FIRE ALARM HORN
	FLUSH WALL OR CEILING MOUNTED FIRE ALARM HORN & STROBE
	AUTOMATIC RATE OF RISE HEAT DETECTOR AT 135° F
	AUTOMATIC FIXED TEMPERATURE HEAT DETECTOR AT 157° F
	PHOTOELECTRIC TYPE SMOKE DETECTOR UNLESS NOTED OTHERWISE
	DUCT TYPE SMOKE DETECTOR WITH REMOTE ANNUNCIATOR
	FIRE ALARM SYSTEM REMOTE ANNUNCIATOR
	FIRE ALARM CONTROL PANEL
	FIRE ALARM DATA GATHERING PANEL
	FIRE ALARM SYSTEM END OF LINE RESISTANCE
	FIRE ALARM SYSTEM CONNECTION
	FIRE ALARM STROBE
	DOOR HOLD OPEN DEVICE
	WIRE GUARD
	TYPICAL
	WEATHERPROOF
	EXIT SIGN
	EMERGENCY LIGHTING FIXTURE
	BATTERY UNIT
	EMERGENCY LIGHTING FIXTURE AND BATTERY
	WALL MOUNT PIR OCCUPANCY SENSOR, WATT STOPPER PW-100
	HAND DRYER
	CEILING MOUNTED SPEAKER
	WALL MOUNTED SPEAKER
	CEILING MOUNTED SPEAKER
	OUTLET FOR SECURITY CONCEALED DOOR CONTACT
	OUTLET FOR SECURITY HID CARD ACCESS READER
	RELOCATE
	EXISTING
	EXISTING TO REMAIN
	CLASSROOM CONTROL PANEL
	DOOR OPERATOR

SYMBOLS	MANUFACTURER CATALOGUE NO.	MOUNTING		ARROT WALL		LAMP DATA		SUPPLY VOLT		REMARKS	
		SURFACE RECESSED	SURFACE SUSPENDED	SURFACE RECESSED	BRACKET	BRACKET NUMBER	WATTAGE	TYPE	120 V		208 V
A	PEERLESS - LACH-240-232-EL	●					2	32	FL	●	C/W SILVER REFLECTOR, HINGED K-23 LENS & 1-4 LAMP BALLAST
A1	PEERLESS - LACH-240-232-EL	●					2	32	FL	●	C/W SILVER REFLECTOR, HINGED K-23 LENS W/O BALLAST
A2	PEERLESS - LACH-240-232-EL	●					2	32	FL	●	C/W SILVER REFLECTOR, HINGED K-23 LENS & 1-2 LAMP BALLAST
B	PEERLESS - 4PLS-240-232-EL	●					2	32	FL	●	WITH 1-4 LAMP BALLAST
B1	PEERLESS - 4PLS-240-232-EL	●					2	32	FL	●	WITHOUT BALLAST
B2	PEERLESS - 4PLS-240-232-EL	●					2	32	FL	●	WITH 1-2 LAMP BALLAST
C	PEERLESS - LAGH-140-132-EL	●					1	32	FL	●	C/W SILVER REFLECTION & HINGED K-23 LENS
D	PEERLESS - PEL-51-232-EL	●					2	32	FL	●	
E	PEERLESS - VR-232-EL	●					2	32	FL	●	
F	PEERLESS - LSG-4-232-EL	●					2	32	FL	●	
F1	PEERLESS - LSG-4-232-EL	●					2	32	FL	●	
F2	PEERLESS - LSG-3-232-EL	●					1	32	FL	●	
F3	PEERLESS - LSG-3-232-EL	●					1	25	FL	●	
G	PEERLESS - NIRA-4-232-EL	●					2	32	FL	●	
H	PEERLESS - CNB-4-232-EL	●					2	32	FL	●	
I	NOT USED										
J	LIGHTOUER- 1141-11020H			●			2	13	CFL	●	OPAL LENS
K	LITHONIA- CP7A-AC			●			1	250	P38	●	WITH HINGED WIRE GAURD
L	METALLUMEN- AW7J-C SERIES						1	250	MH	●	
M	MAGNALIUM- HML- 400-M						1	400	MH	●	WITH WIRE GAURD & REMOTE BALLAST
O	NOT USED										
P	HUBELL - NRG-41358	●					1	100	HPS	●	
Q	HUBELL - NRG-300 SERIES	●					1	70	HPS	●	WITH WIREGAURD
R	HUBELL - VS SERIES	●					1	100	INC	●	
S	LUMITROL - 2LA750LAD	●					2	750	INC	●	FRONT OF HOUSE W/MTG BRACKET & PRESET DIMMER
U	LITHONIA - CC1-175M	●					1	175	MH	●	
U1	KURT VERSEN-581	●					1	175	MH	●	

ASCENSION CATHOLIC ELEMENTARY SCHOOL							
EXISTING LIGHTING FIXTURE SCHEDULE			PROPOSED LIGHTING FIXTURE SCHEDULE				
TYPE	WATT	QTY.	TOTAL WATTS	TYPE	WATT	QTY.	TOTAL WATTS
A	32	106	3392	A	30	7	210
A1	32	97	3104	A1	30	86	2580
A2	32	3	96	D	177	23	4071
B	32	20	640	D1	59	13	767
B1	32	22	704	Q	40	13	520
B2	32	2	64	Q1	50	148	7400
C	32	57	1824	MA	28	11	308
D	32	43	1376	M1	22	2	44
E	32	24	768	D2	40	2	80
F	32	2	64				
F1	32	10	320				
F2	32						
F3	32						
G	32	2	64				
H	32	3	96				
J	13						
K	250	18	4500				
L	250						
M	400	15	3750				
P	100	2	200				
Q	70	11	770				
R	100						
S	750						
U	175	4	700				
U1	175	7	1225				
Savings	Qty	Watts				250	15856
			33.33%				31.47%

NOTE: THIS ENERGY TABLE IS FOR REFERENCE ONLY. CONTRACTOR HAS TO VERIFY THE EXACT QUANTITY OF LIGHTING FIXTURES FROM THE FLOOR PLAN

ELECTRICAL DRAWING LIST	
E1.0	ELECTRICAL LEAD SHEET & SCHEDULES
E1.1	ELECTRICAL EQUIPMENT SCHEDULES-2
E1.2	ELECTRICAL PANEL SCHEDULES
E1.3	EXISTING FIRE ALARM ZONING SCHEDULE
E1.4	LIGHTING CONTROL DETAILS
E2.0	DEMOLITION LIGHTING GROUND FLOOR PLAN
E2.1	DEMOLITION LIGHTING SECOND FLOOR PLAN
E2.2	DEMOLITION FIRE ALARM GROUND FLOOR PLAN
E2.3	DEMOLITION FIRE ALARM SECOND FLOOR PLAN
E2.4	DEMOLITION EXISTING EMERGENCY LIGHTINGS AND EXIT SIGNS GROUND FLOOR PLAN
E2.5	DEMOLITION EXISTING EMERGENCY LIGHTINGS AND EXIT SIGNS SECOND FLOOR PLAN
E2.6	DEMOLITION GROUND FLOOR WASHROOM POWER PLAN
E2.7	DEMOLITION SECOND FLOOR WASHROOM POWER PLAN
E3.0	PROPOSED LED LIGHTING RETROFIT GROUND FLOOR PLAN
E3.1	PROPOSED LED LIGHTING RETROFIT SECOND FLOOR PLAN
E3.2	PROPOSED FIRE ALARM GROUND FLOOR PLAN
E3.3	PROPOSED FIRE ALARM SECOND FLOOR PLAN
E3.4	PROPOSED EMERGENCY LIGHTINGS AND EXIT SIGNS GROUND FLOOR PLAN
E3.5	PROPOSED EMERGENCY LIGHTINGS AND EXIT SIGNS SECOND FLOOR PLAN
E3.6	PROPOSED GROUND AND SECOND FLOOR WASHROOM POWER PLAN

### GENERAL NOTES

- ARRANGE A TRAINING SESSION WITH THE LIGHTING CONTROL MANUFACTURER AND BECOME FAMILIAR WITH THE INSTALLATION REIMBURSEMENTS OF THE DIGITAL LIGHTING CONTROL SYSTEM.
- THE DRAWINGS ARE NOT TO BE SCALED FOR INSTALLATION PURPOSES, ALL MEASUREMENTS ARE TO BE OBTAINED FROM FIELD MEASUREMENTS.
- CONTRACTOR IS TO REMOVE ALL EXISTING DEAD AND ABANDONED CONDUIT AND WIRING BACK TO SOURCE. WHERE NOT POSSIBLE TO REMOVE EXISTING CONDUIT, CONDUIT IS TO BE LEFT BEHIND AND EXISTING WIRE IS TO BE REMOVED AND REPLACED WITH A PULL ROPE.
- CONTRACTOR IS TO PROVIDE ELECTRONIC CAD 'AS BUILT' DRAWINGS IN DWG AND PDF FORMAT AT THE COMPLETION OF THE PROJECT. CAD FILES ARE TO BE AUTOCAD 2004.
- UNLESS NOTED OTHERWISE ALL WIRING SHALL BE IN CONDUIT AND CONCEALED IN WALLS AND CEILING SPACES. BX IS PERMITTED IN SPECIAL CIRCUMSTANCES AND SHORT DROP FROM JUNCTION BOXES TO LIGHT FIXTURES, REFER TO SPECIFICATIONS. CONDUIT RUNS ARE TO BE PARALLEL TO WALL STUDS AND DROP FROM JUNCTION BOXES MOUNTED IN THE CEILING SPACE.
- UNLESS SPECIFICALLY NOTED AS "CABLING BY OTHERS", THE CONTRACTOR SHALL INCLUDE FOR ALL CABLING TO DEVICES ETC AS SHOWN FOR A COMPLETE AND FUNCTIONING SYSTEM(S).
- CONTRACTOR IS TO MAINTAIN POWER AND COMMUNICATION CIRCUITS IN AREAS OUTSIDE OF THE CONSTRUCTION AREA, PROVIDE TEMPORARY CONNECTIONS AS REQUIRED, COORDINATE WITH OWNER.
- REFER TO CLASSROOM LIGHTING CONTROL DIAGRAM IN ELECTRICAL DETAILS FOR CLASSROOM LIGHTING CONTROL REQUIREMENTS. PROVIDE AND INSTALL ALL DEVICES AND CO-ORDINATE WITH MANUFACTURER FOR REQUIREMENTS.
- ELECTRICAL CONTRACTOR TO ALLOW FOR PROVIDING AND INSTALLING CHAIN SUPPORT FOR THE LIGHTING FIXTURES.
- CONTRACTOR TO PROVIDE AND INSTALL PHOTOCELL FOR THE CONTROL OF OUTSIDE LIGHTING. LOCATION OF THE PHOTOCELL TO BE DETERMINED ON SITE BASED ON CONSULTATION WITH THE CONSULTANTS.
- ALL ELECTRICAL WIRING TO BE RUN IN EMT CONDUITS.
- FREE AIR LOW VOLTAGE WIRES ARE ONLY ACCEPTABLE IN CONCEALED CEILING SPACES. ALL EXPOSED LOW VOLTAGE WIRES TO BE INSTALLED IN EMT CONDUITS.
- ALL CONDUITS INSTALLED TO BE PAINTED TO MATCH EXISTING BACKGROUND COLOR SCHEME.
- ALL EXISTING SWITCHES IN THE CORRIDORS, STAIRCASES, CHANGE ROOMS AND WASH ROOMS TO BE REMOVED AND STAINLESS STEEL PLATES TO BE INSTALLED TO COVER THE REMOVED SWITCHES.
- CONTRACTOR SHALL INSTALL NEW LED LIGHTING FIXTURES, CONTROLS & FIRE RATED BOX AT THE SAME TIME TO COMPLETE INSTALLATION.
- CONTRACTOR SHALL PUT BACK ALL THE CEILING TILES REMOVED TO PERFORM THE LED RETROFIT WORK EVERYDAY SO AS NOT TO LEAVE ANY ROOM WITH OPEN CEILING TILES.
- IT IS MANDATORY FOR THE GC TO BE PRESENT AT SITE WHENEVER WORK IS DONE AT SITE.

TYPE	DESCRIPTION	LAMP/FIXTURE MAKE/MODEL	VOLT	LUMENS	LAMP			MOUNT	REMARKS	DLC PRODUCT ID #
					WATT	TYPE	COL.			
A	1'X4' RECESSED FIXTURE	LITELINE LEDP-14-WH-L EQUALS: PEERLESS-ELECTRIC AND LITHONIA	UNV	3190	30	LED	4000	DRYWALL CEILING RECESSED	CORRIDOR DLC CERTIFIED	PM484HQ
A1	1'X4' SURFACE MOUNTED FIXTURE	LITELINE LEDP-14-WH-L WITH LEDP-CLIP EQUALS: PEERLESS-ELECTRIC AND LITHONIA	UNV	3190	30	LED	4000	SURFACE MOUNTED	WASH/CHANGE ROOM DLC CERTIFIED	PM484HQ
D	4' PREMIUM-GRADE HIGH BAY LUMINAIRE, COME WITH WIRE GUARD	VISIONEERING LHB048-LED840K180L120-W1 EQUALS: PEERLESS-ELECTRIC, LITHONIA AND PHILIPS	UNV	18000	177	LED	4000	SURFACE MOUNTED	GYM DLC CERTIFIED	PAG582R
D1	24",36",48" RING LED FIXTURE	G LIGHTING CTRIC: 24", 36", 48" EQUALS: ALCON LIGHTING RING PENDANT, LUMENWERX T000	UNV	4000	40	LED	4000	CEILING SUSPENDED	STAGE DLC CERTIFIED	
D2	18",24",30" GLOBE LED FIXTURE	G LIGHTING GLOBE: 18",24",30" EQUALS: ALCON LIGHTINGGLOBE PENDANT 10",12",14", VISA LIGHTING ZUME IN 12",16",22"	UNV	1750	40	LED	4000	CEILING SUSPENDED	STAGE-LOBBY DLC CERTIFIED	
D3	10" CYLINDER LED FIXTURE	CURRENT MOTILED-9-4L-40K-8-120-WW-25-WH EQUALS: PEERLESS-ELECTRIC,LITHONIA AND PHILIPS	UNV	4000	40	LED	4000	CEILING SUSPENDED	STAGE DLC CERTIFIED	
J	6" LED POT LIGHT, 1500 LUMEN, WET LOCATIONS	PRESCOLITE LFR-6RD-M-15L-40K9-WD-DM1/LFR-6RD-T-S EQUALS: PEERLESS, METALUMEN OR PHILIPS	UNV	1500	11.4	LED	4000	CANOPY CEILING RECESSED		
M	4' CHAIN SUSPENDED STRIP FIXTURE WITH WIRE GUARD	VISIONEERING LCOM48-LED840K30L120-P77-W5	UNV	3103	22	LED	4000	CEILING SUSPENDED	CUSTODIAN /STORAGE DLC CERTIFIED	PM7ADYJ
M1	4' COMMERCIAL GRADE LED STRIP FIXTURE WITH WIRE GUARD	VISIONEERING LCOM48-LED840K30L120-P77-W5	UNV	3103	22	LED	4000	SURFACE MOUNTED	MECHANICAL/ELEC. ROOM DLC CERTIFIED	PM7ADYJ
Q	2'X4' RECESSED FIXTURE	LITELINE LEDP-24-WH-L EQUALS: PEERLESS-ELECTRIC AND PEERLESS-ELECTRIC	UNV	4860	40	LED	4000	DRYWALL CEILING RECESSED	OFFICES, CORRIDOR DLC CERTIFIED	PA395CKB
Q1	2'X4' RECESSED FIXTURE	LITELINE LEDP-24-WH-L EQUALS: PEERLESS-ELECTRIC AND PEERLESS-ELECTRIC	UNV	6580	50	LED	4000	DRYWALL CEILING RECESSED	CLASSROOMS DLC CERTIFIED	PE2EPS39
MA	LED FULL CUT OFF WALL PACK, DIE CAST ALUMINUM HOUSING AND DOOR	EXO LINC2-48L35-SK7-3-UNV EQUIVALENT BY COOPER, CALYITE OR GE	UNV	2607	35	LED	4000	WALL MOUNTED	DLC CERTIFIED	
S	4' LED WALL MOUNTED	VISIONEERING LELW48-LED840K20LUNV-XX EQUALS: PEERLESS-ELECTRIC, LITHONIA AND GE	UNV	2000	19	LED	4000	STAIRS WALL MOUNTED		P98J7UH
J1	6" LED POT LIGHT, 1500 LUMEN	PRESCOLITE LFR-6RD-M-15L-40K9-WD-DM1/LFR-6RD-T-S EQUIVALENT BY PEERLESS, METALUMEN OR PHILIPS	UNV	1500	11.4	LED	4000	CEILING RECESSED	NEW CATHOLIC DISPLAY	
EX	EXISTING FIXTURES TO REMAIN									
EX-R	EXISTING FIXTURES NOT TO BE REPLACED. RE-LAMPING.									

### CONTROL SETTING

#### CLASSROOM LIGHTING:

- LIGHTING CONTROLS TO CAP OFF THE LIGHTING OUT PUT IN THE CLASS ROOMS TO MEET THE FOOT CANDLE STAIRCASE.
- WHEN AN OCCUPANT WALKS INTO THE ROOM THE OCCUPANCY SENSOR PICKS UP THE MOTION.

#### CORRIDOR & STAIRCASE:

- HIGH OCCUPANCY AS DEFINED BY BAS THRU BACNET, LIGHTING LEVEL TO BE 100% IN CORRIDORS AND STAIRCASE.
- LOW OCCUPANCY AS DEFINED BY BAS THRU BACNET, LIGHTING LEVEL TO BE 50% UNTIL MOTION IS DETECTED, ONCE MOTION IS DETECTED GOES TO 100%.
- AFTER HOURS AS DEFINED BY BAS THRU BACNET, LIGHTING IN THE CORRIDORS TO BE TURNED OFF AND STAIRCASE TO BE KEPT AT 50% ONCE MOTION IS DETECTED BOTH THE CORRIDORS AND THE STAIRCASE TO GO TO 100% FOR THE SPECIFIED DURATION.
- WHEN SECURITY IS BREACHED, BAS WILL SENDS AN ALARM SIGNAL TO TURN ON THE CORRIDOR AND STAIRCASE TO 100%, ONCE THE ALARM CONDITION IS CLEARED NORMAL SEQUENCE WILL FOLLOW.

#### CAFETERIA LIGHTING:

- CAFETERIA TO HAVE MULTI LOADS WITH DIMMING CAPABILITY.
- LOAD A WILL BE THE LIGHTING ROW WHICH WILL BE THE FIRST PARALLEL ROW FROM THE STAGE.
- REFER FLOOR PLAN & CONTROL DETAILS FOR FURTHER ASSISTANCE.

#### GYMNASIUM LIGHTING:

- GYMNASIUM SHOULD HAVE 3 SCENE SWITCHING
  - SCENE SWITCHING ONE- 100% ON - FOR TOURNAMENTS
  - SCENE SWITCHING TWO- 80% ON- FOR REGULAR USE
  - SCENE SWITCHING THREE- COMPLETE OFF
- BOTH THE SCENES (100% OR 80%) HAVE DIMMING CAPACITY.

### LIGHTING CONTROL SYSTEM NOTES:

- LOCATE ROOM CONTROLLER IN ACCESSIBLE CEILING. CONFIRM EXACT LOCATION ON SITE. PROVIDE 120V POWER SUPPLY AS NOTED FROM A NEAREST PANEL.
- MSTP WIRING FOR INTEGRATION BETWEEN THE LIGHTING CONTROL SYSTEM AND BAS MUST MEET FOLLOWING REQUIREMENT
- ALL BACNET DEVICES HAS TO BE BTL LISTED.
- BACNET INSTANCE NUMBER FOR EACH BACNET DEVICE WILL BE PROVIDED BY THE BOARD. (THE SCHOOL BOARD HAS A STANDARD BACNET INSTANCE RANGE PER EACH OF OUR BUILDINGS AND EACH SYSTEM WITHIN THE BUILDING ).
- THE WIRE USED FOR THIS MSTP NETWORK SHOULD BE LOW CAPACITANCE TWISTED SHIELDED CABLE SUITABLE FOR EIA 485 BACNET COMMUNICATION. THE CABLE SHOULD HAVE IMPEDANCE RECOMMENDED BY THE MANUFACTURER OF THE BACNET DEVICE ( WATT STOPER ).
- THE MSTP NETWORK WIRE SHIELD SHALL BE GROUNDED AT ONE END ONLY AND IT SHALL BE AT THE POINT THE LIGHTING CONTROLLER THROUGH BACNET. ONCE SECURITY SIGNAL IS CLEARED, NORMAL LIGHTING CONTROL SEQUENCE WILL FOLLOW.
- END OF LINE SHALL BE INSTALLED AT BOTH ENDS OF THE MSTP TRUNK.
- MSTP SHALL BE BAISY CHAINED FROM CONTROLLER TO CONTROLLER. T TAPPING AND STAR WIRING TOPOLOGY WILL NOT BE ALLOWED.
- CORRIDOR AND STAIRCASE LIGHTING TO BE PROGRAMMED TO BE 50% AFTER HOURS.
- WHEN SECURITY IS BREACHED AFTER HOURS, SECURITY SYSTEM WILL CLOSE A DRY CONTACT AND WILL INFORM BAS, BAS WILL TURN ON CORRIDOR & STAIRCASE LIGHTING TO 100% BY SENDING A COMMAND TO THE LIGHTING CONTROLLER THROUGH BACNET. ONCE SECURITY SIGNAL IS CLEARED, NORMAL LIGHTING CONTROL SEQUENCE WILL FOLLOW.
- IN SCHOOLS WHERE THE EXISTING BAS IS NOT BACNET COMPATIBLE, LIGHTING CONTROLS CONTRACTOR TO ALLOW FOR PICKING UP TWO DRY CONTACT INPUTS FROM THE SECURITY PANEL TO TURN ON CORRIDOR AND STAIRCASE LIGHTING TO 100% UPON SECURITY BREACH. NORMAL LIGHTING SEQUENCE WILL FOLLOW ONCE THE SECURITY BREACH IS CLEARED. (BAS AT THIS SCHOOL IS NOT BACNET COMPATIBLE)

### NEW LIGHTING FIXTURES IN DRY

## FIRE ALARM NOTES

- CONTRACTOR MUST VISIT THE SITE AND CONFIRM ALL CONSTRUCTION DETAILS PRIOR TO SUBMITTING THE TENDER. THE CONSTRUCTION DETAILS MAY INCLUDE BUT NOT BE LIMITED TO FOLLOWING:
  - PENETRATION THROUGH THE EXISTING WALLS AND SLABS
  - INTERFERENCE WITH STRUCTURAL ELEMENTS
  - INTERFERENCE WITH LIGHTING FIXTURES, MECHANICAL DUCTWORK AND PIPING ETC.
  - ROUTING OF THE NEW CONDUITS/RACEWAYS
  - CUTTING AND PATCHING REQUIREMENT
- ALL FIRE ALARM SYSTEM WIRING SHALL BE NEW AND SHALL BE RUN IN CONDUITS UNLESS SPECIFICALLY INDICATED OTHERWISE.
- ALL CONDUITS IN FINISHED AREAS MUST BE RUN COMPLETELY CONCEALED. CONTRACTOR TO PROVIDE ALL CUTTING AND PATCHING AS REQUIRED.
- EXISTING FIRE ALARM SYSTEM MUST BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD, ONCE THE NEW FIRE ALARM SYSTEM HAS BEEN INSTALLED, TESTED VERIFIED AND APPROVED BY THE FIRE DEPARTMENT, THE CONTRACTOR TO DISCONNECT AND REMOVE EXISTING FIRE ALARM SYSTEM C/W ALL DEVICES, WIRING, EXPOSED CONDUITS AND JUNCTION BOXES. PROVIDED BLANK COVER PLATES FOR ALL REDUNDANT OUTLET BOXES.
- CONTRACTOR MUST CONFIRM ROOM NAMES AND NUMBERS ON SITE AND MAKE NECESSARY MODIFICATIONS TO ZONE INDICATION MESSAGES
- PROVIDE FOLLOWING SPARE DEVICES AND INSTALL AS PER THE ENGINEERING DISCRETION ON SITE AND HAND OVER ALL UNUSED DEVICES TO THE OWNER AT THE COMPLETION OF THE PROJECT:
  - 10 HEAT DETECTORS
  - 5 PULL STATION
  - 5 HORNS
  - 5 HORN/STROBES
  - 5 SMOKE DETECTORS
- REFER TO THE DSS REPORT OF ISSUED WITH THE TENDER DOCUMENTS. IF THE CONTRACTOR RETAINED FOR THE WORK UNCOVERS A MATERIAL THROUGH DEMOLITION THAT IS SUSPECTED TO CONTAIN ASBESTOS AND NOT INDICATED IN THE ASBESTOS LOCATION REPORT, THE DSS CONSULTANTS SHOULD BE CONTACTED FOR SAMPLE COLLECTION AND ANALYSIS. IF REQUIRED, FURTHER INSTRUCTION WILL BE FORWARDED WHERE MATERIALS ARE CONFIRMED TO CONTAIN ASBESTOS AND WILL IMPACT ON THE CONSTRUCTION WORK.
- ALL DEVICE LOCATION INDICATED ON THE PLANS IS FOR REFERENCE AND PRICING ETC, ACTUAL LOCATIONS OF THE DEVICES MUST BE DETERMINED ON SITE BY THE CONTRACTOR TO ENSURE THAT THE LOCATIONS COMPLY WITH THE APPLICABLE CODE REQUIREMENTS AND THE DEVICES ARE EASILY ACCESSIBLE FOR MAINTENANCE AND VERIFICATION PURPOSES, INSTALLATION OF DEVICES DIRECTLY OVER BOILER ETC. ARE NOT PERMITTED FEES SUBJECT TO RELOCATION AT THE CONTRACTOR'S COST.
- CONTRACTOR TO CONFIRM LOCATIONS OF THE EXISTING COMPUTER/HUB ROOMS ON SITE AND INSTALL SMOKE DETECTOR IN EACH.
- CONTRACTOR TO PROVIDE AND INSTALL A SMOKE DETECTOR AT THE TOP OF THE ELEVATOR SHAFT AND A HEAT DETECTOR IN THE ELEVATOR PIT.
- CONTRACTOR TO ALLOW FOR FIRE STOPPING WHEREVER RUNNING CONDUIT THROUGH FIRE SEPARATION IN ORDER TO MAINTAIN THE INTEGRITY OF THE EXISTING FIRE SEPARATION.
- UPON COMPLETION OF THE FIRE ALARM REPLACEMENT PROJECT, THE FIRE ALARM MANUFACTURER SHALL PROVIDE PROGRAMMING CODE TO THE SCHOOL BOARD.
- PROVIDE UNIT PRICE FOR THE FOLLOWING FIRE ALARM DEVICES, UNIT PRICE SHALL INCLUDE VERIFICATION OF THE FIRE ALARM DEVICES:
  - SMOKE DETECTORS.
  - HEAT DETECTORS.
  - FA HORNS.
  - FA HORNS/STROBES.
  - PULL STATIONS.

## FIRE ALARM SCOPE OF WORK

- INTENDED SCOPE OF WORK OF THIS PROJECT SHALL INCLUDE BUT NOT BE LIMITED TO FOLLOWING:
- THE ELECTRICAL CONTRACTOR SHALL REMOVE EXISTING FIRE ALARM HORN AND FIRE ALARM HORN & STROBE THAT ARE BEING DEMOLISHING.
  - ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL NEW COMBINATION HORN/STROBE UNITS AS SHOWN ON THE ELECTRICAL DRAWINGS.
  - THE CONTRACTOR SHALL PROVIDE A MINIMUM OF TWO (2) DAYS OF FIRE WATCH DURING THE REPLACEMENT PROCESS.
  - ALL NEW FIRE ALARM HORN/STROBE UNITS SHALL BE CONNECTED TO THE EXISTING FIRE ALARM PANEL.
  - THE EXISTING FIRE ALARM PANEL, FIRE ALARM ANNUNCIATOR, SMOKE DETECTORS, HEAT DETECTORS, AND FIRE ALARM PULL STATIONS SHALL REMAIN UNCHANGED.
  - THE CONTRACTOR SHALL PERFORM ALL NECESSARY TESTING AND VERIFICATION TO ENSURE PROPER FUNCTIONALITY AND COMPLIANCE WITH APPLICABLE CODES AND STANDARDS.
  - UPON COMPLETION AND APPROVAL OF THE NEW FIRE ALARM HORN/STROBE INSTALLATION, ALL ASSOCIATED WIRING AND CONDUIT SHALL REMAIN IN PLACE.
  - ALL AFFECTED SURFACES SHALL BE PAINTED AND MADE GOOD TO CONSULTANTS AND OWNERS SATISFACTION, AND TO MATCH EXISTING.
  - ALL AFFECTED SURFACES SHALL BE PAINTED AND MADE GOOD TO CONSULTANT'S AND OWNER'S SATISFACTION, AND TO MATCH EXISTING.
  - UPON COMPLETION OF THE FIRE ALARM PROJECT THE CONTRACTOR SHALL PROVIDE TO THE SCHOOL BOARD A CLEAN UPDATED PASSIVE GRAPHICS SOFT COPY WITH NO WATERMARKS FOR THEIR RECORDS.

## FIRE ALARM NOTE

- UPON COMPLETION OF THE NEW FIRE ALARM HORN & STROBE INSTALLATION, THE CONTRACTOR SHALL CONNECT THE NEW DEVICES TO THE EXISTING EDWARDS FIRE ALARM PANEL, ENSURE THAT THE PANEL REMAINS IN PLACE, AND RETURN THE ENTIRE FIRE ALARM SYSTEM TO THE OWNER IN GOOD WORKING CONDITION.

## EMERGENCY AND EXIT SIGN NOTES

- CONTRACTOR MUST VISIT THE SITE AND CONFIRM ALL CONSTRUCTION DETAILS PRIOR TO SUBMITTING THE TENDER. THE CONSTRUCTION DETAILS MAY INCLUDE BUT NOT BE LIMITED TO FOLLOWING:
  - PENETRATION THROUGH THE EXISTING WALLS AND SLABS
  - INTERFERENCE WITH STRUCTURAL ELEMENTS
  - INTERFERENCE WITH LIGHTING FIXTURES, MECHANICAL DUCTWORK AND PIPING ETC.
  - ROUTING OF THE NEW CONDUITS/RACEWAYS
  - CUTTING AND PATCHING REQUIREMENT
- ALL CONDUITS IN FINISHED AREAS MUST BE RUN COMPLETELY CONCEALED. CONTRACTOR TO PROVIDE ALL CUTTING AND PATCHING AS REQUIRED.
- REFER TO THE DSS REPORT OF ISSUED WITH THE TENDER DOCUMENTS. IF THE CONTRACTOR RETAINED FOR THE WORK UNCOVERS A MATERIAL THROUGH DEMOLITION THAT IS SUSPECTED TO CONTAIN ASBESTOS AND NOT INDICATED IN THE ASBESTOS LOCATION REPORT, THE DSS CONSULTANTS SHOULD BE CONTACTED FOR SAMPLE COLLECTION AND ANALYSIS. IF REQUIRED, FURTHER INSTRUCTION WILL BE FORWARDED WHERE MATERIALS ARE CONFIRMED TO CONTAIN ASBESTOS AND WILL IMPACT ON THE CONSTRUCTION WORK.
- ALL DEVICE LOCATION INDICATED ON THE PLANS IS FOR REFERENCE AND PRICING ETC, ACTUAL LOCATIONS OF THE DEVICES MUST BE DETERMINED ON SITE BY THE CONTRACTOR TO ENSURE THAT THE LOCATIONS COMPLY WITH THE APPLICABLE CODE REQUIREMENTS AND THE DEVICES ARE EASILY ACCESSIBLE FOR MAINTENANCE AND VERIFICATION PURPOSES, INSTALLATION OF DEVICES DIRECTLY OVER BOILER ETC. ARE NOT PERMITTED FEES SUBJECT TO RELOCATION AT THE CONTRACTOR'S COST.

## EMERGENCY LIGHTS AND EXIT SIGN

### SCOPE OF WORK

- INTENDED SCOPE OF WORK OF THIS PROJECT SHALL INCLUDE BUT NOT BE LIMITED TO FOLLOWING:
- SUPPLY AND INSTALLATION OF EMERGENCY LIGHTS, EXIT SIGNS AND BATTERY UNITS ,ACCORDANCE TO APPLICABLE CODES AND STANDARDS AND AS INDICATED HEREIN.
  - PROVIDE AND INSTALL NEW EXIT SIGNS AS SHOWN ON PLANS, CONNECT TO THE EXISTING CIRCUIT.
  - THE CONTRACTOR SHALL PROVIDE AND INSTALL NEW CONDUITS AND CABLES REQUIRED TO CONNECT THE NEW EMERGENCY LIGHTING FIXTURES, EXIT SIGNS, AND BATTERY UNITS TO THE EXISTING SYSTEM, ENSURING THAT ALL NEW INSTALLATIONS MEET APPLICABLE CODES AND STANDARDS.
  - UPON COMPLETION AND APPROVAL OF THE WORK ALL EXPOSED WIRING AND CONDUITS MUST BE REMOVED AND ALL AFFECTED SURFACES SHALL BE PAINTED AND MADE GOOD TO CONSULTANTS AND OWNERS SATISFACTION, AND TO MATCH EXISTING.

### NOTES:

- CONTRACTOR TO INSTALL THE NEW EXIT SIGNS IN THE T BAR CEILING WITH T BAR HANGER AND CHAIN SUPPORT FROM THE JOIST..

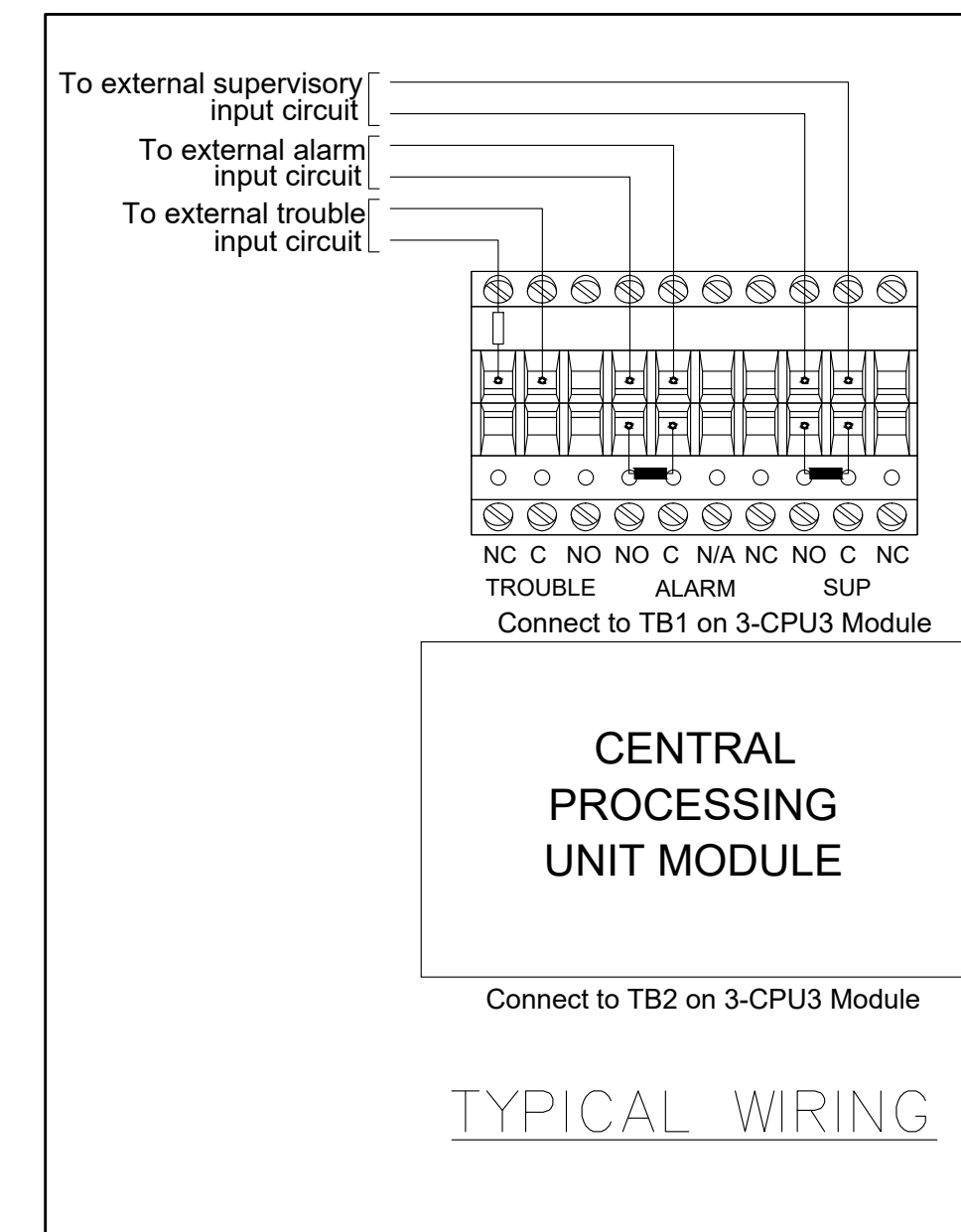
## EMERGENCY LIGHTING FIXTURE SCHEDULE

- CONTRACTOR IS TO INCLUDE FOR ALL ACCESSORIES AS REQUIRED FOR A FULL AND COMPLETE INSTALLATION. PARTS NUMBERS SHOWN ARE GENERALLY FOR FIXTURE ONLY. REFER TO ARCHITECTURAL CEILING SCHEDULE FOR CEILING TYPES.
- INSTALLATION OF EMERGENCY LIGHTING AND UNIT EQUIPMENT SHALL BE ACCORDING TO MANUFACTURER'S RECOMMENDATIONS AND ACCORDING TO CODE REQUIREMENTS.
- EMERGENCY BATTERIES SHALL BE SIZED TO MAINTAIN CONNECTED LOAD FOR MINIMUM 1/2 HOUR.
- FOR ALL EXIT SIGNS REFER TO FLOOR PLANS FOR SINGLE OR DOUBLE FACE, CEILING RECESSED OR WALL MOUNTED.
- ALL EMERGENCY LIGHTING AND EQUIPMENT ARE TO HAVE SHOP DRAWINGS SUBMITTED TO THE CONSULTANT PRIOR TO ORDERING FOR APPROVAL. CONTRACTOR MUST INCLUDE SHOP DRAWINGS FOR ALL LAMPS BEING INSTALLED WITH FIXTURES.
- EQUIPMENT BEING SUBMITTED AS AN APPROVED EQUAL ARE TO BE SUBMITTED TO THE CONSULTANT FOR APPROVAL NO LESS THAN 5 BUSINESS DAYS BEFORE CLOSING. SUBMITTALS SHALL BE CLEARLY LABELLED AND INCLUDE COMPLETE FIXTURE CUTS STATING INCLUDED OPTIONS AND ACCESSORIES. SUBMITTALS NOT MEETING THIS CRITERIA WILL BE REJECTED.
- THE CONTRACTOR SHALL INCLUDE FOR TWO (2) SPARE EXIT SIGNS TO BE INSTALLED AS DIRECTED BY OWNER/ENGINEER/BUILDING OFFICIAL. UNUSED SPARE SIGNS SHALL BE TURNED OVER TO OWNER IF NOT REQUIRED.

TYPE	DESCRIPTION	MODEL #
EXIT SIGN	SELF-POWERED EMERGENCY RUNNING MAN EXIT SIGN C/W DIRECTIONAL PICTOGRAMS FOR ON-SITE DIRECTION SELECTION. 1-1.5W LED 120VAC, 12VDC. REFER TO FLOOR PLANS FOR SINGLE OR DOUBLE FACE, CEILING RECESSED OR WALL MOUNT.	AIMLITE 'RPALW' SERIES RPALW-X-M-WHT-BAT  STANPRO 'RMLX' SERIES RMXLUWH-B  LUMACELL 'LA' SERIES LAXWS OR APPROVED EQUAL
EMERG. BATTERY UNIT C/W EMERG. HEADS	SURFACE MOUNTED BATTERY UNIT C/W TWIN HEADS AS INDICATED. 2-3W LED PAR18 (2-6W MR16LED), 120VAC, 12VDC. UNIT TO BE C/W AUTO-TEST AND BATTERY DISCONNECT.	AIMLITE 'EBST' SERIES EBST-12-250-2SM3WLJ-WHT-ATD-BTD  STANPRO 'SL' SERIES SLC-12-250-2N3WLJ-WH-AT-BD  LUMACELL 'RGS' SERIES RG12S-250-2LD10-AT-LD OR APPROVED EQUAL
EMERG. BATTERY UNIT	SURFACE MOUNTED BATTERY UNIT. 120VAC, 12VDC. UNIT TO BE C/W AUTO-TEST AND BATTERY DISCONNECT.	AIMLITE 'EBST' SERIES EBST-12-450-WHT-ATD-BTD  STANPRO 'SL' SERIES SLC-12-450-WH-AT-BD  LUMACELL 'RGS' SERIES RG12S-450-AT-LD OR APPROVED EQUAL
EMERG. REMOTE HEADS	REMOTE EMERGENCY SINGLE AND DOUBLE HEAD AS INDICATED ON PLANS. 3W LED PAR18 (6W MR16LED), 12VDC.	AIMLITE RSM1-6-12-3WLJ-WHT & RSM2-6-12-3WLJ-WHT  STANPRO N-1-6-12-3WLJ-WHT & N-2-6-12-3WLJ-WHT  LUMACELL MQM1LD10 & MQM2LD10 OR APPROVED EQUAL

## PROPOSED BATTERY UNIT SCHEDULE

LOCATION	UNIT UNMBER	EXIT SIGNS	DOUBLE HEADS	SINGLE HEADS	CONNECTED LOAD (WATT)	CAPACITY (WATT)				
						30 MIN	1H00	1H30	2H00	
128- BOILER ROOM	BU-A	14	23	6	368	720	420	300	240	
214-MECHANICAL ROOM SECOND FLOOR	BU-B	7	14	1	202	720	420	300	240	
134- GYM STORAGE ROOM ROOM	BU-C	2	6	1	86	720	420	300	240	
REFER TO ELECTRICAL SPECIFICATION										



The Contractor shall verify all dimensions prior to commencement of the work. All print and specifications are the property of the Architect and must be returned upon completion of the work.

## ISSUE OR REVISION

No.	Description	Date
1	ISSUED FOR REVIEW	FEB 18, 2025
2	ISSUED FOR TENDER	MAR 13, 2025

# ASCENSION CES RENOVATION PROJECT

PROJECT :

5205 New Street,  
Burlington, Ontario, L7L 1V3  
HALTON CATHOLIC DISTRICT SCHOOL BOARD

PROFESSIONAL SEAL :



DWG TITLE :  
**ELECTRICAL EQUIPMENT SCHEDULES-2**



**REGAL CONSULTING ENGINEERS INC.**  
CONSULTING MECHANICAL & ELECTRICAL ENGINEERS  
208 Wycroft Road, Suite 200, Oakville, Ontario L6K 3S3  
PHONE: (905)44-3913  
www.regal-eng.com

DATE : **FEBRUARY 2025**

SCALE : **N.T.S.**

DRAWN BY : **AS**

CHECKED BY : **MA**

DWG STATUS :  
**TENDER**

PROJECT No. :  
**2025-476**

DRAWING No. :  
**E1.1**

REVISION

March 13, 2025 4:22:14 PM

ELECTRICAL PANEL:  
208/120-3Ø-60HZ, 4W, 225  
AMP MAIN BREAKER

### EXISTING PANELBOARD A SCHEDULE

DESCRIPTION	BRKR SIZE (A)	WATTS PER PHASE			CR NO	BUS ABC	CR NO	WATTS PER PHASE			BRKR SIZE (A)	DESCRIPTION
		A	B	C				A	B	C		
NIGHT/EXIT LIGHTS & BU-A	15					01	02				15	EXISTING
EXISTING	15					03	04				15	EXISTING
EXISTING	15					05	06				15	EXISTING
EXISTING	15					07	08				15	EXISTING
EXISTING	15					09	10				15	EXISTING
EXISTING	15					11	12				15	EXISTING
EXISTING	15					13	14				15	EXISTING
EXISTING	15					15	16				15	EXISTING
EXISTING	15					17	18				15	EXISTING
EXISTING	15					19	20				15	EXISTING
EXISTING	15					21	22				15	EXISTING
SPARE	20					23	24				15	EXISTING
EXISTING	15					25	26				15	EXISTING
EXISTING	15					27	28				15	EXISTING
EXISTING	15					29	30				15	EXISTING
EXISTING	15					31	32				15	EXISTING
FIRE ALARM CONTROL PANEL (**)	15					33	34				15	EXISTING
EXISTING	15					35	36				15	EXISTING
EXISTING	15					37	38				15	EXISTING
EXISTING	15					39	40				25	EXISTING
EXISTING	15					41	42				25	EXISTING
EXISTING	15					43	44				25	EXISTING
EXISTING	20					45	46				25	EXISTING
EXISTING	20					47	48				25	EXISTING
EXISTING	20					49	50				15	EXISTING
EXISTING	15					51	52				15	EXISTING
EXISTING	15					53	54				20	EXISTING
EXISTING	15					55	56				30	EXISTING
EXISTING	15					57	58				2P	EXISTING
EXISTING	15					59	60				15	EXISTING
EXISTING	20					61	62					SPARE
EXISTING	15					63	64					SPARE
EXISTING	20					65	66					SPARE
EXISTING	15					67	68					SPARE
EXISTING	15					69	70					SPARE
SPARE	15					71	72					SPARE
SPARE	15					73	74					SPARE
SPARE	15					75	76					SPARE
SPARE	15					77	78					SPARE
SPARE	15					79	80					SPARE
PWR FOR DIGITAL CONTROLLERS	20					81	82					SPARE
SPARE	15					83	84					SPARE

(\*) GROUND FAULT INTERRUPTER CIRCUIT BREAKER  
(\*\*) C/W LOCK-OFF DEVICES

ELECTRICAL PANEL:  
208/120-3Ø-60HZ, 4W, 225  
AMP MAIN BREAKER

### EXISTING PANELBOARD C SCHEDULE

DESCRIPTION	BRKR SIZE (A)	WATTS PER PHASE			CR NO	BUS ABC	CR NO	WATTS PER PHASE			BRKR SIZE (A)	DESCRIPTION
		A	B	C				A	B	C		
NIGHT/EXIT LIGHTS & BU-B	15					01	02				15	EXISTING
EXISTING	15					03	04				15	EXISTING
EXISTING	15					05	06				15	EXISTING
EXISTING	15					07	08				15	EXISTING
EXISTING	15					09	10				15	EXISTING
EXISTING	15					11	12				15	EXISTING
EXISTING	15					13	14				15	EXISTING
EXISTING	15					15	16				15	EXISTING
EXISTING	15					17	18				15	EXISTING
EXISTING	15					19	20				15	EXISTING
EXISTING	15					21	22				15	EXISTING
SPARE	15					23	24				15	EXISTING
EXISTING	15					25	26				15	EXISTING
EXISTING	15					27	28				15	EXISTING
EXISTING	15					29	30				15	EXISTING
EXISTING	15					31	32				15	EXISTING
EXISTING	15					33	34				15	EXISTING
EXISTING	15					35	36				15	EXISTING
EXISTING	20					37	38				15	EXISTING
EXISTING	15					39	40				15	EXISTING
EXISTING	15					41	42				15	EXISTING
EXISTING	15					43	44				15	EXISTING
EXISTING	15					45	46				15	EXISTING
EXISTING	15					47	48				15	EXISTING
EXISTING	15					49	50				15	EXISTING
EXISTING	15					51	52				15	EXISTING
RECEPTACLES GFI	20					53	54				15	EXISTING
WASH FOUNTAIN	20					55	56				20	WASH FOUNTAIN
SPARE	15					57	58				20	DOOR HOLD OPEN DEVICE
PWR FOR DIGITAL CONTROLLERS	20					59	60					SPARE

ELECTRICAL PANEL:  
208/120-3Ø-60HZ, 4W, 125  
AMP MAIN BREAKER

### EXISTING PANELBOARD F SCHEDULE

DESCRIPTION	BRKR SIZE (A)	WATTS PER PHASE			CR NO	BUS ABC	CR NO	WATTS PER PHASE			BRKR SIZE (A)	DESCRIPTION
		A	B	C				A	B	C		
EXIT LIGHT & BU-C	15					01	02				15	EXISTING
EXISTING	15					03	04				15	EXISTING
EXISTING	15					05	06				15	EXISTING
EXISTING	15					07	08				15	EXISTING
EXISTING	15					09	10				15	EXISTING
EXISTING	20					11	12				15	EXISTING
EXISTING	20					13	14				15	EXISTING
EXISTING	20					15	16				15	EXISTING
EXISTING	20					17	18				15	EXISTING
EXISTING	20					19	20				15	EXISTING
EXISTING	35					21	22				20	RECEPTACLES GFI
EXISTING	15					23	24				20	WASH FOUNTAIN

The Contractor shall verify all dimensions prior to commencement of the work. All print and specifications are the property of the Architect and must be returned upon completion of the work.

ISSUE OR REVISION		
No.	Description	Date
1	ISSUED FOR REVIEW	FEB 18, 2025
2	ISSUED FOR TENDER	MAR 13, 2025

**ASCENSION CES RENOVATION PROJECT**

5205 New Street,  
Burlington, Ontario, L7L 1V3  
HALTON CATHOLIC DISTRICT SCHOOL BOARD

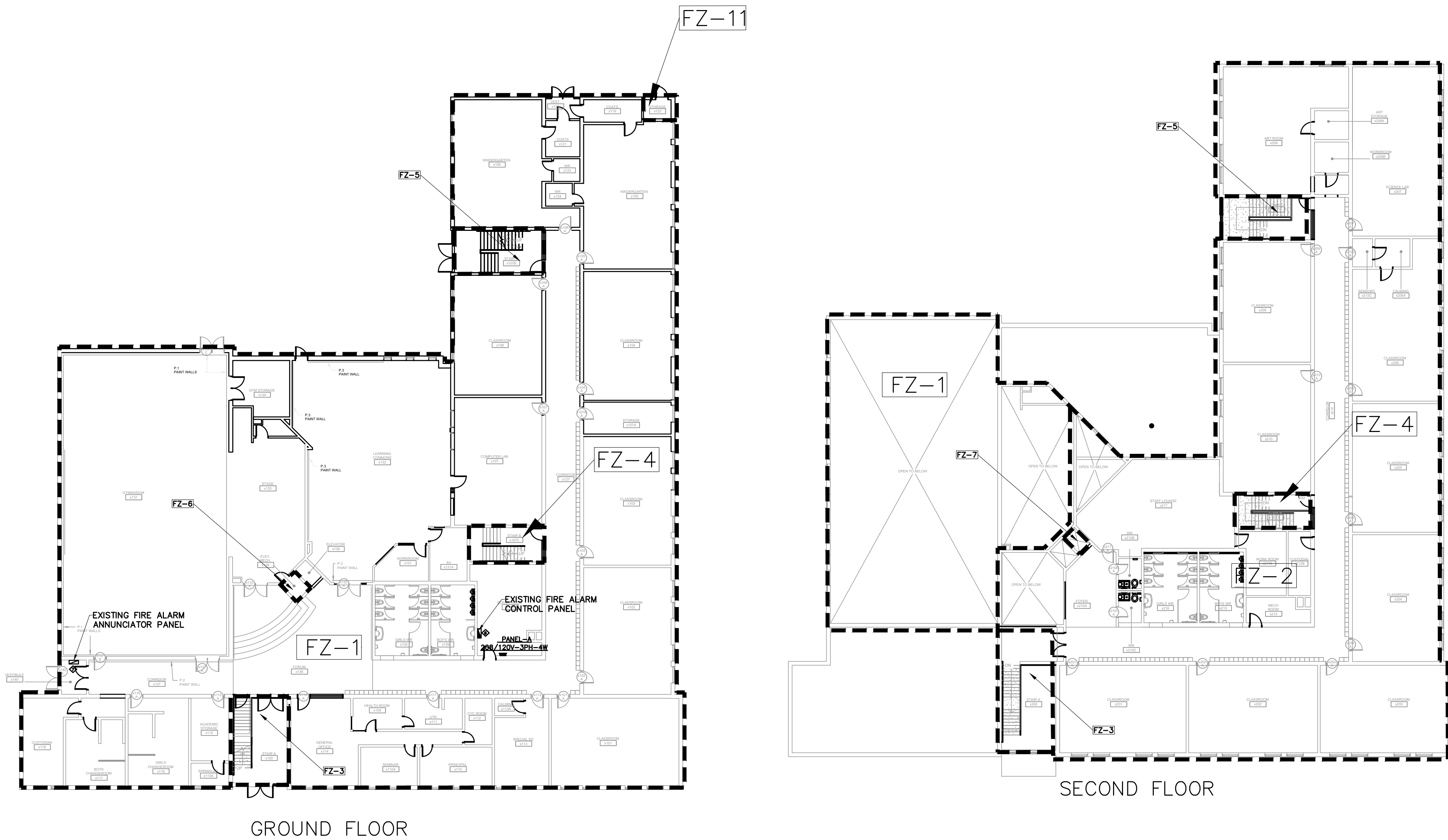


DWG TITLE:  
**ELECTRICAL PANEL SCHEDULES**



DATE: FEBRUARY 2025  
SCALE: N.T.S.  
DRAWN BY: AS  
CHECKED BY: MA  
DWG STATUS: TENDER  
PROJECT No.: 2025-476  
DRAWING No.: E1.2

March 13, 2025 4:22:15 PM



ZONE	DESCRIPTION
FZ-1	GROUND FLOOR
FZ-2	SECOND FLOOR
FZ-3	STAIR
FZ-4	STAIR
FZ-5	STAIR
FZ-6	ELEVATOR MACHINE ROOM
FZ-7	ELEVATOR SHAFT
FZ-8	GROUND FLOOR - SPKR/FLOW SW
FZ-9	SECOND FLOOR - SPKR/FLOW SW
FZ-10	SPRINKLER - MAIN FLOW SW
FZ-11	OUTDOOR STORAGE
FZ-12	SPARE
FZ-13	SPARE
FZ-14	SPARE
FZ-15	SPARE
FZ-16	SPARE
TROUBLE ZONE 1	MONITORING SWITCH MS-1
TROUBLE ZONE 2	MONITORING SWITCH MS-2
TROUBLE ZONE 3	MONITORING SWITCH MS-3
TROUBLE ZONE 4	MONITORING SWITCH MS-4
TROUBLE ZONE 5	LOW PRESSURE SWITCH
TROUBLE ZONE 6	SPARE
TROUBLE ZONE 7	SPARE
TROUBLE ZONE 8	SPARE

**NOTE**  
 1. ELECTRICAL CONTRACTOR TO ALLOW FOR TRANSFERRING OF THE AUXILIARY CONTACTS FROM THE EXISTING FIRE ALARM SYSTEM TO THE NEW FIRE ALARM SYSTEM. ALLOW FOR WIRING DEVICES & CONDUITS TO TRANSFER THE AUXILIARY CONTACTS.

The Contractor shall verify all dimensions prior to commencement of the work. All print and specifications are the property of the Architect and must be returned upon completion of the work.

ISSUE OR REVISION		
No.	Description	Date
1	ISSUED FOR REVIEW	FEB 18, 2025
2	ISSUED FOR TENDER	MAR 13, 2025

**ASCENSION CES RENOVATION PROJECT**

5205 New Street,  
 Burlington, Ontario, L7L 1V3  
 HALTON CATHOLIC DISTRICT SCHOOL BOARD

EXISTING PANELBOARD A SCHEDULE												
DESCRIPTION	BRKR SIZE (A)	WATTS PER PHASE			BUS	ABC	CR NO	WATTS PER PHASE			BRKR SIZE (A)	DESCRIPTION
		A	B	C				A	B	C		
EXISTING	15					01				15	EXISTING	
EXISTING	15					02				15	EXISTING	
EXISTING	15					03				15	EXISTING	
EXISTING	15					04				15	EXISTING	
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EXISTING	15					22				15	EXISTING	
SPARE	20					23				15	EXISTING	
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EXISTING	15					29				15	EXISTING	
EXISTING	15					30				15	EXISTING	
EXISTING	15					31				15	EXISTING	
<b>FIRE ALARM CONTROL PANEL (**)</b>	<b>15</b>					32				15	EXISTING	
EXISTING	15					33				15	EXISTING	
EXISTING	15					34				15	EXISTING	
EXISTING	15					35				15	EXISTING	
EXISTING	15					36				15	EXISTING	
EXISTING	15					37				15	EXISTING	
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EXISTING	15					55				30	EXISTING	
EXISTING	15					56				30	EXISTING	
EXISTING	15					57				2P	EXISTING	
EXISTING	15					58				15	EXISTING	
EXISTING	15					59				15	EXISTING	
EXISTING	20					60				15	EXISTING	
EXISTING	15					61					SPARE	
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SPARE	15					81					SPARE	
SPARE	15					82					SPARE	
SPARE	15					83					SPARE	
SPARE	15					84					SPARE	

- FIRE ALARM NOTES:**
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL NEW COMBINATION HORN/STROBE UNITS AS SHOWN ON THE ELECTRICAL DRAWINGS.
  - THE CONTRACTOR SHALL PROVIDE A MINIMUM OF TWO (2) DAYS OF FIRE WATCH DURING THE REPLACEMENT PROCESS.
  - ALL NEW FIRE ALARM HORN/STROBE UNITS SHALL BE CONNECTED TO THE EXISTING FIRE ALARM PANEL.
  - THE EXISTING FIRE ALARM PANEL, FIRE ALARM ANNUNCIATOR, SMOKE DETECTORS, HEAT DETECTORS, AND FIRE ALARM PULL STATIONS SHALL REMAIN UNCHANGED.
  - THE CONTRACTOR SHALL PERFORM ALL NECESSARY TESTING AND VERIFICATION TO ENSURE PROPER FUNCTIONALITY AND COMPLIANCE WITH APPLICABLE CODES AND STANDARDS.
  - EXISTING FIRE ALARM PANEL ( EDWARDS).
  - EXISTING FIRE ALARM ANNUNCIATOR ( EDWARDS).
  - ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL NEW DOOR HOLD OPEN DEVICE AND SMOKE DEDEKTORS AS SHOWN ON THE ELECTRICAL DRAWINGS.



EXISTING FIRE ALARM PANEL

(\*) GROUND FAULT INTERRUPTER CIRCUIT BREAKER  
 (\*\*) C/W LOCK-OFF DEVICES

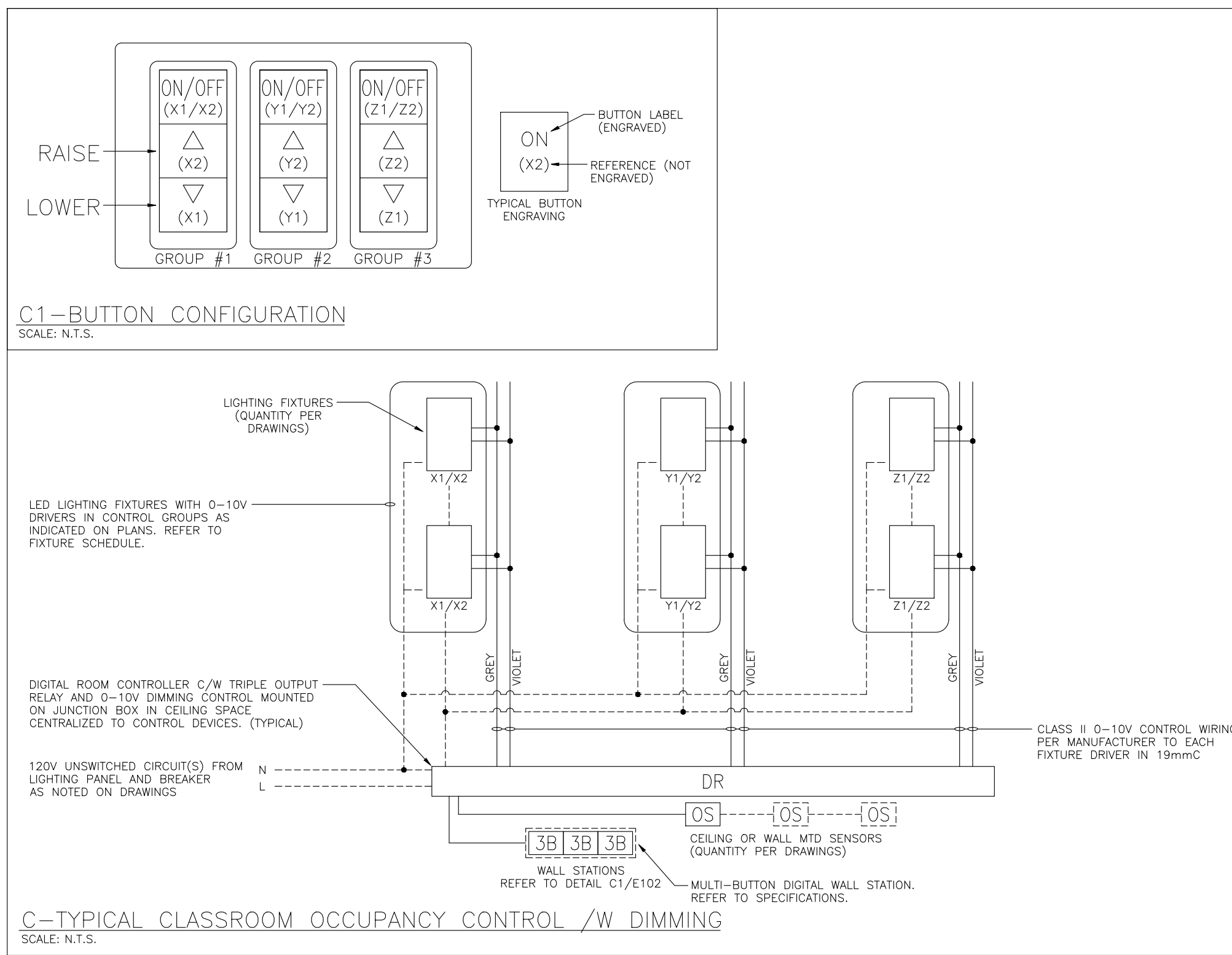
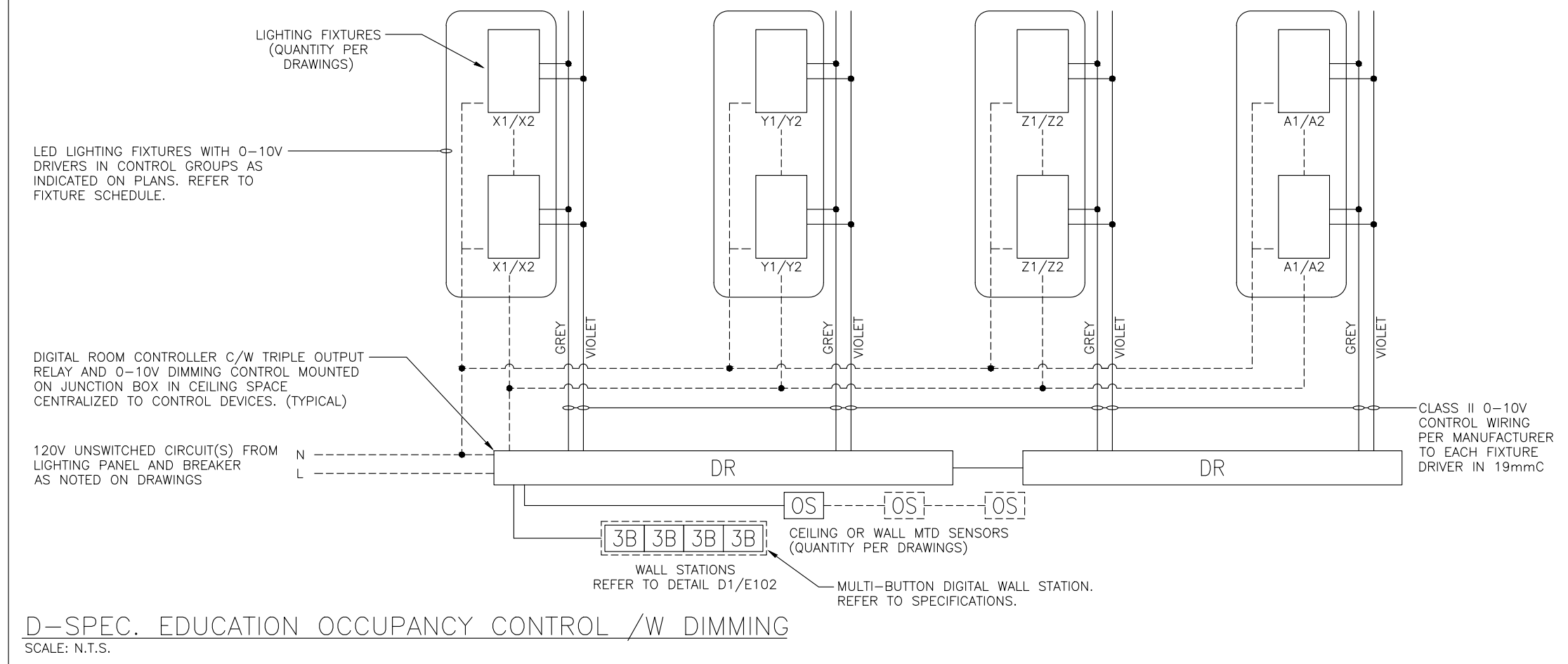
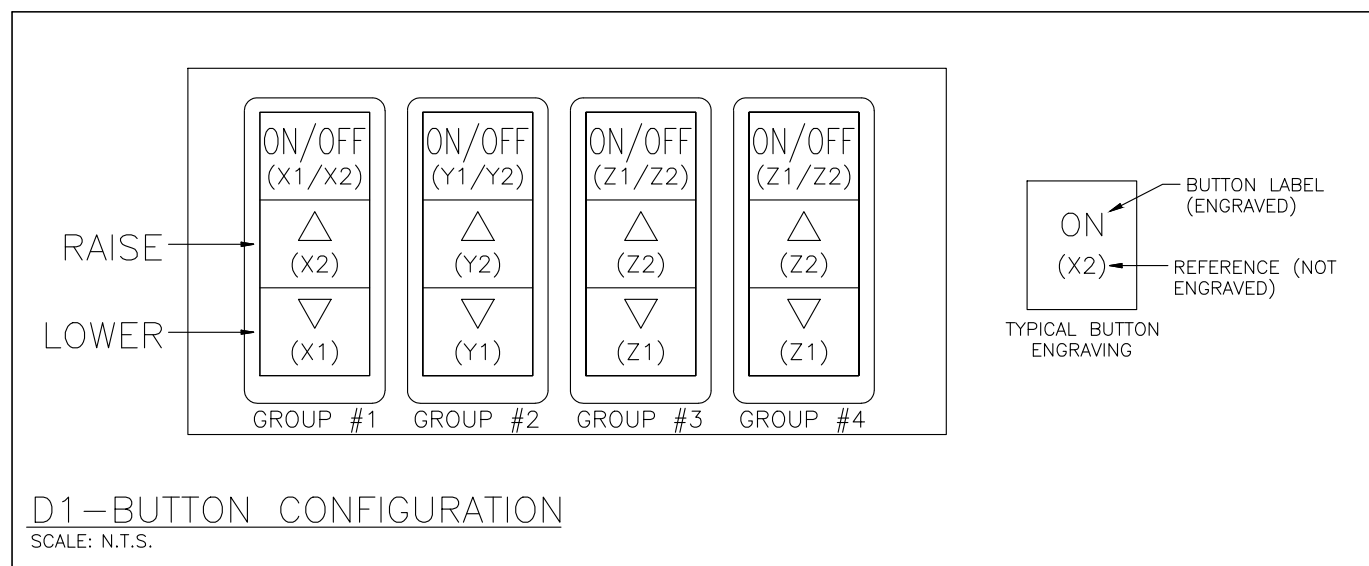
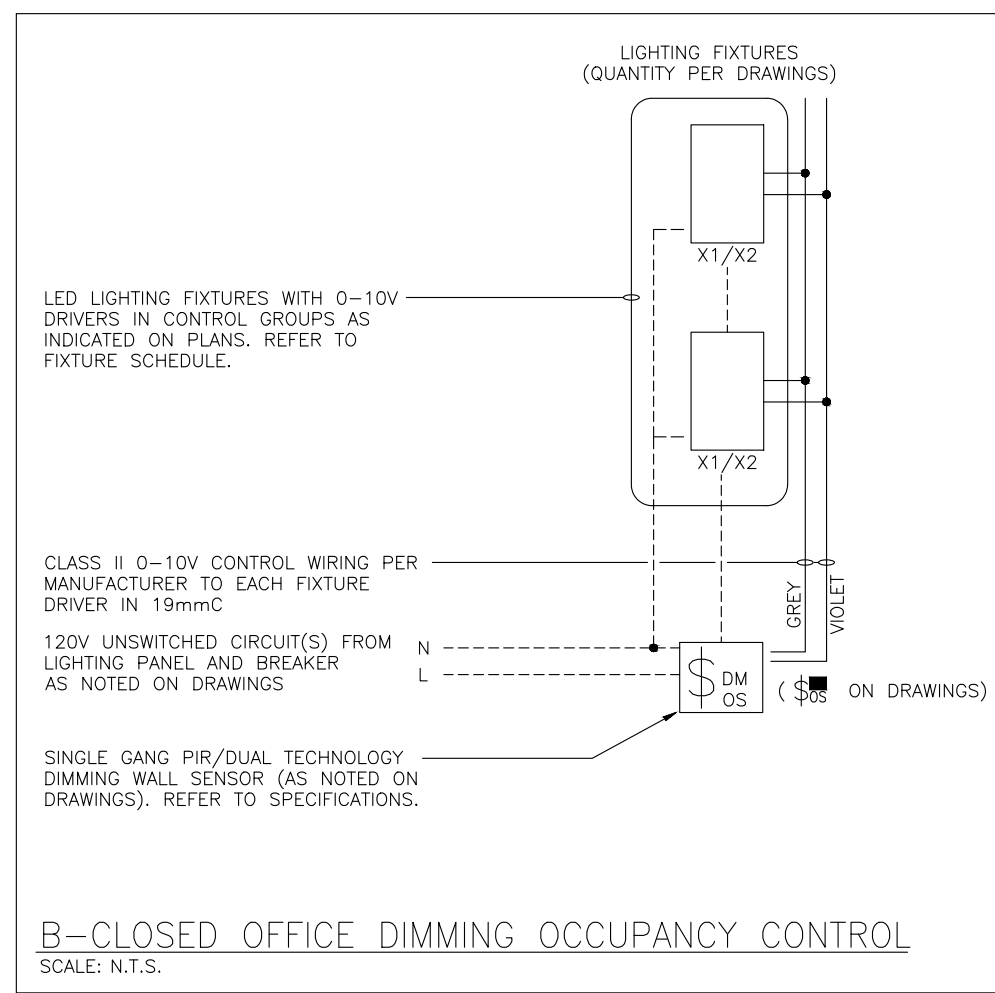
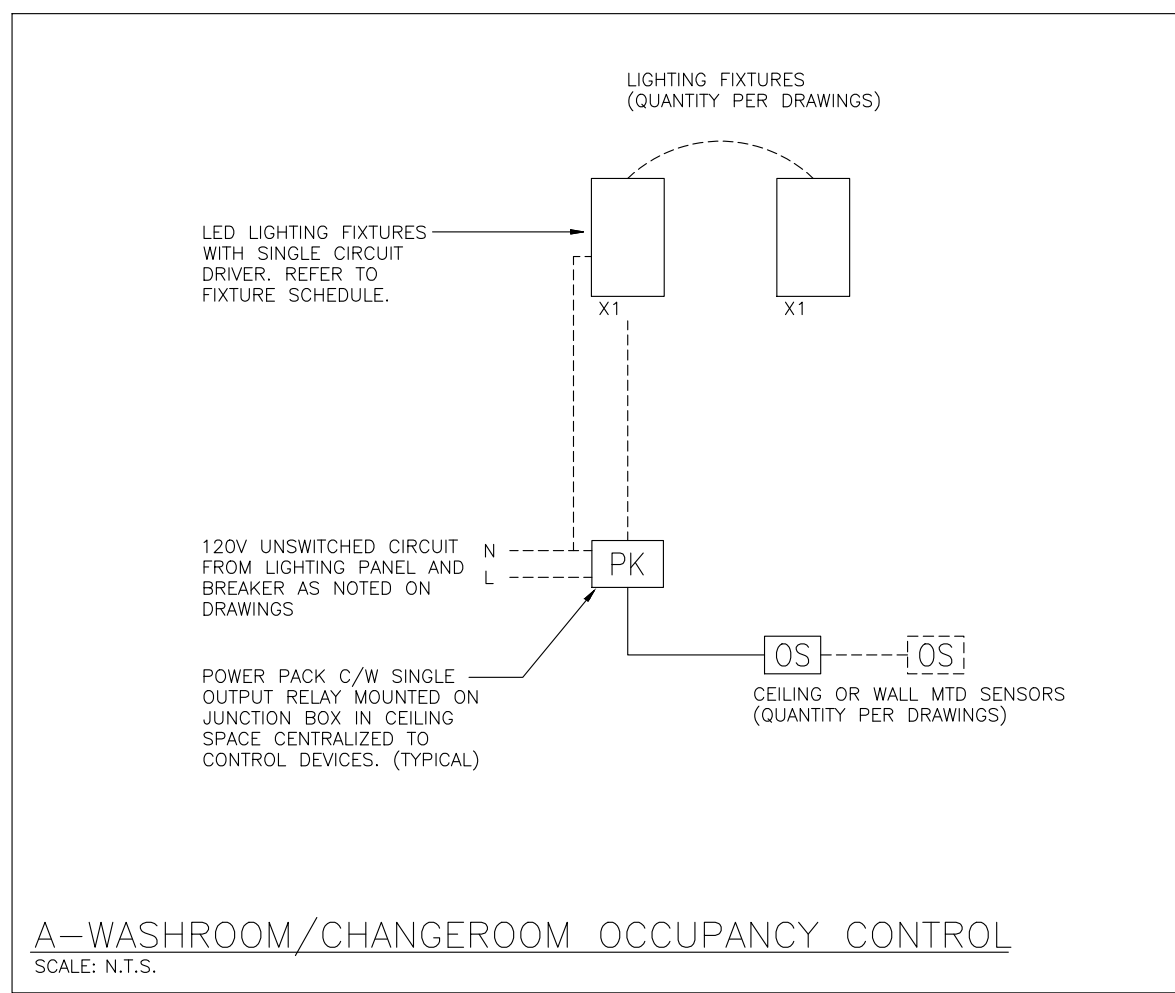
March 13, 2025 4:22:18 PM

PROFESSIONAL SEAL:

DWG TITLE:  
**EXISTING FIRE ALARM ZONING SCHEDULE**

**REGAL CONSULTING ENGINEERS INC.**  
 CONSULTING MECHANICAL & ELECTRICAL ENGINEERS  
 208 Wycroft Road, Suite 200, Oakville, Ontario L6K 3S3  
 PHONE: (905) 844-3913  
 www.regal-eng.com

DATE: FEBRUARY 2025  
 SCALE: N.T.S.  
 DRAWN BY: AS  
 CHECKED BY: MA  
 DWG STATUS: TENDER  
 PROJECT No.: 2025-476  
 DRAWING No.: E1.3  
 REVISION:



**LEGEND**

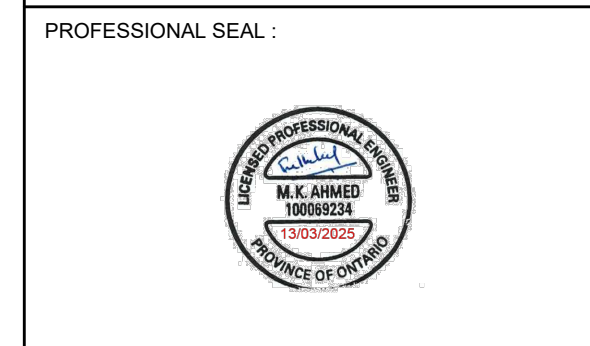
⊕	SINGLE POLE SWITCH (3=3 WAY, 4=4 WAY, P=PILOT LIGHT, K=KEYED, DM=DIMMER, M=MOTOR RATED)
⊕ OS	OCCUPANCY SENSOR (PASSIVE)
OSD/OSR	OCCUPANCY SENSOR: OSD=DUAL TECHNOLOGY OSR=DUAL CIRCUIT/DUAL TECHNOLOGY
OS	CEILING MOUNTED MOTION SENSOR
WOS	WALL MOUNTED MOTION SENSOR
DR	DIGITAL ROOM CONTROLLER
PS	PHOTOCELL
DR	DIGITAL WALL DIMMER STATION
LB	LIGHTING NETWORK BRIDGE
EM	EMERGENCY LIGHTING RELAY
IR	LIGHTING INPUT/OUTPUT RELAY
PK	ANALOG POWER PACK
⊗	TRANSFORMER

**ISSUE OR REVISION**

No.	Description	Date
1	ISSUED FOR REVIEW	FEB 18, 2025
2	ISSUED FOR TENDER	MAR 13, 2025

**ASCENSION CES RENOVATION PROJECT**

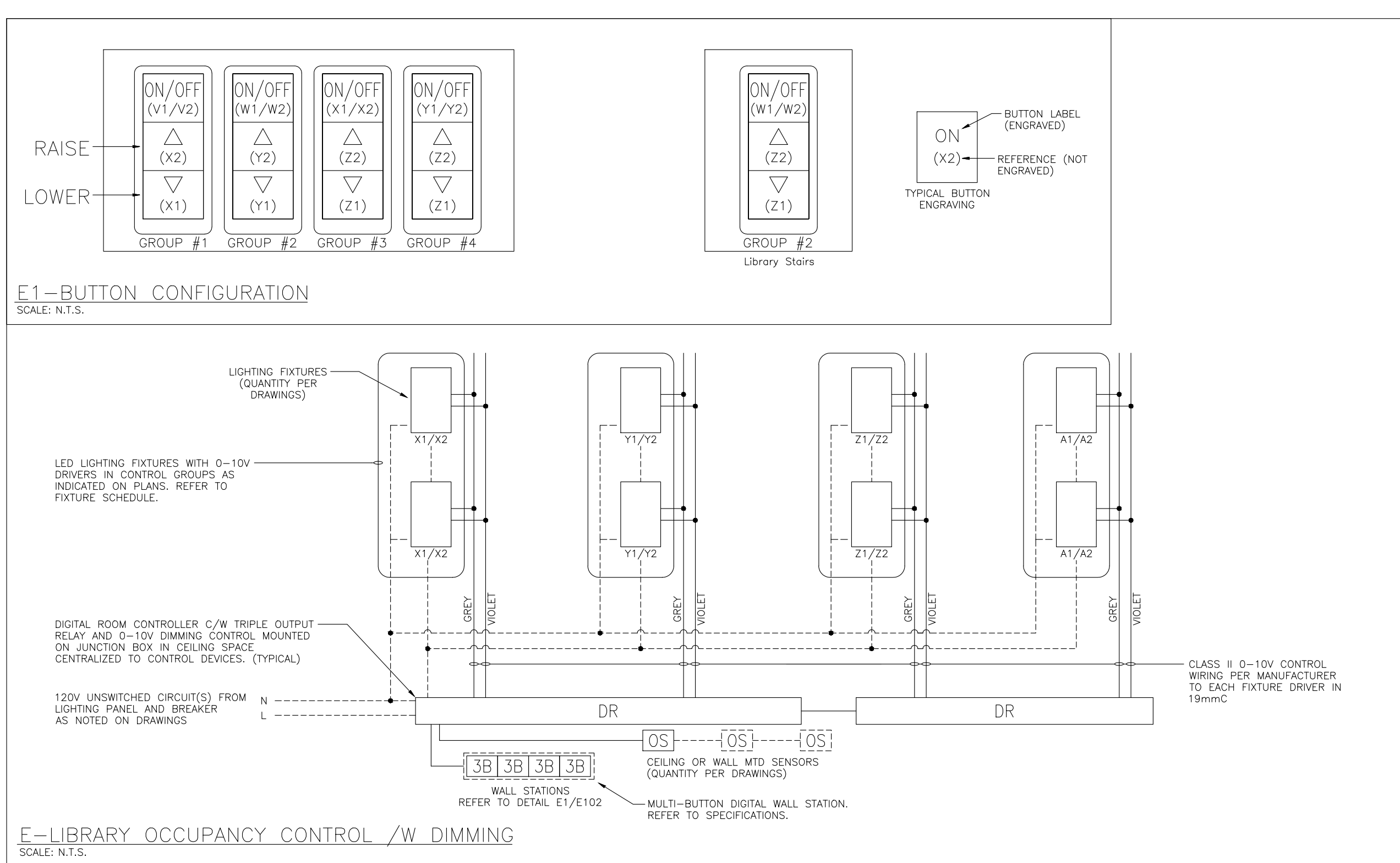
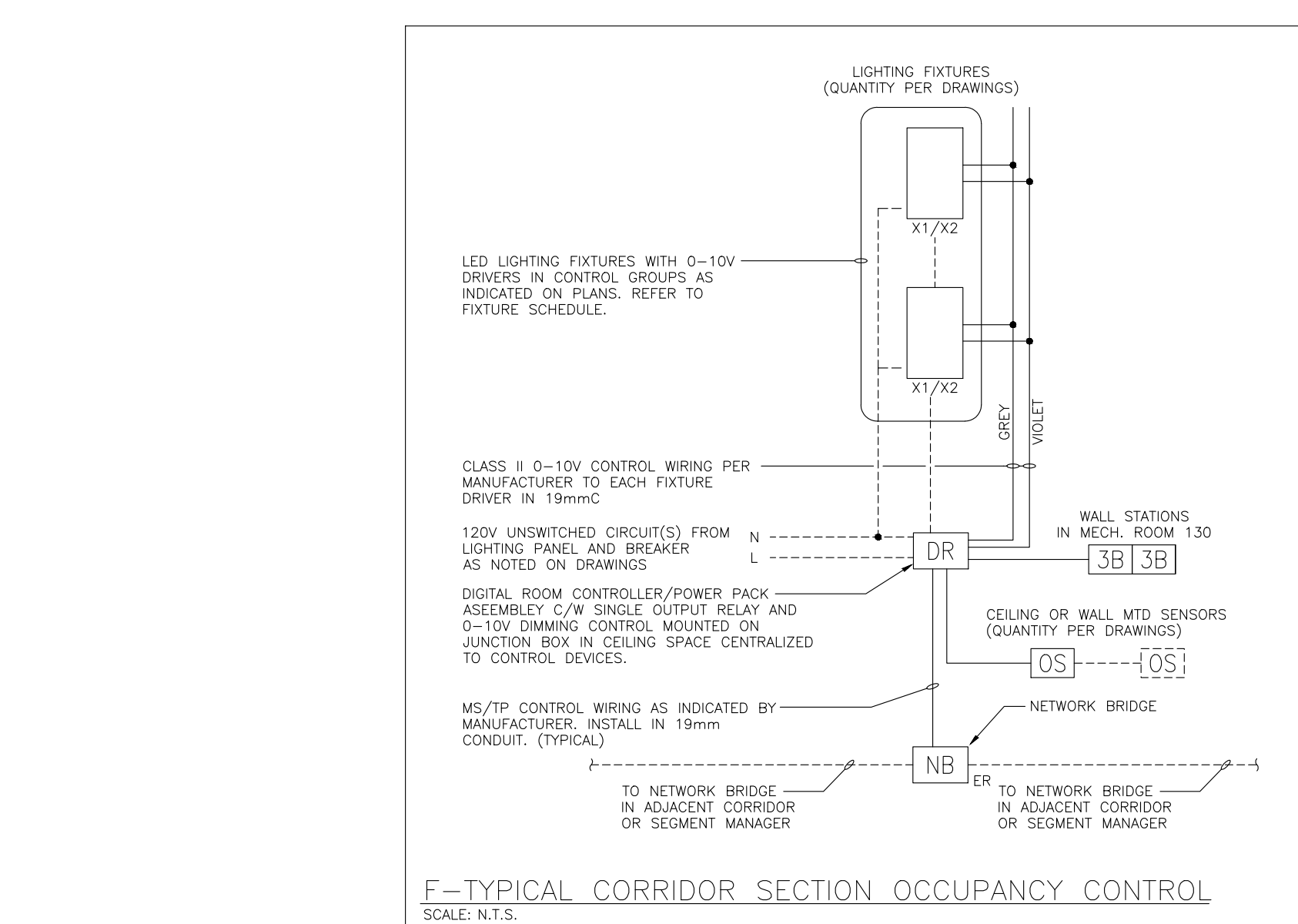
5205 New Street,  
Burlington, Ontario, L7L 1V3  
HALTON CATHOLIC DISTRICT SCHOOL BOARD



**DWG TITLE: LIGHTING CONTROL DETAILS**



DATE:	FEBRUARY 2025
SCALE:	N.T.S.
DRAWN BY:	AS
CHECKED BY:	MA
DWG STATUS:	TENDER
PROJECT No.:	2025-476
DRAWING No.:	E1.4
REVISION:	



March 13, 2025 4:22:19 PM



- DEMOLITION NOTES:**
1. ALL EXISTING DEVICES AND EQUIPMENT MAY NOT BE SHOWN ON DRAWINGS. ELECTRICAL CONTRACTOR TO VERIFY QUANTITIES PRIOR TO SUBMITTING PRICING.
  2. ELECTRICAL CONTRACTOR TO DISCONNECT AND REMOVE ALL LIGHTING FIXTURES, SWITCHES & CONTROL DEVICES IN THE AREAS AS SHOWN.
  3. DISCONNECT ALL WIRING TO LIGHTING FIXTURES BEING DEMOLISHED BACK TO SOURCE.
  4. MARK CIRCUITS FOR RE-ALLOCATING TO NEW CIRCUITS IN THE NEW LED LIGHTING DESIGN.
  5. ELECTRICAL CONTRACTOR SHALL CAREFULLY REMOVE THE EXISTING LIGHTING FIXTURES WITHOUT DISTURBING THE EXISTING LIFE SAFETY DEVICES IN THE EXISTING CEILING. IF BY MISTAKE EXISTING LIFE SAFETY DEVICES ARE DAMAGED, THEN CONTRACTOR TO REPLACE AND ALLOW FOR VERIFICATION OF THE SAME.
  6. EXISTING LED LIGHTING FIXTURES IN CORRIDOR TO REMAIN. CONNECT TO THE NEW LIGHTING CONTROL SYSTEMS. CORRIDORS TO INSTALL DIMMING WITH EXISTING LED FIXTURES AND CHANGE TEMPERATURE TO 4000K.
  7. ELECTRICAL CONTRACTOR TO REMOVE EXISTING GYM SUSPENDED LIGHTS. REMOVE WIRING AND CONDUIT BACK TO SOURCE.
  8. DELETE SWITCHES AND PROVIDE AND INSTALL STAINLESS STEEL COVER PLATES.
  9. RESERVED.
  10. ELECTRICAL CONTRACTOR TO REVISE EXISTING CLASSROOM CONTROL PANEL (CCP) SWITCH PLATE TO SUIT NEW LIGHTING CONTROL BUTTON STATION OR RENOVATIONS.
  11. IN THIS AREA AS NOTED, LIGHTING FIXTURES ARE TO BE DISCONNECT AND REMOVED. MAINTAIN AND/OR REWORK WIRING FOR CONNECTION TO THE NEW LIGHTING FIXTURES AS REQUIRED FOR WASHROOM RENOVATIONS.
- CUTTING, PATCHING AND PAINTING BY GC**
1. CUTTING AND PATCHING OF THE DRYWALL BY THE GC IS INCLUDED IN THE SCOPE OF WORK. GC TO CAREFULLY EXAMINE ALL THE LIGHTING FLOOR PLAN TO ALLOW FOR COMPLETE CUTTING PATCHING AND PAINTING WORK. FOR THE LIGHTING RETROFIT SCOPE.
  2. GENERAL CONTRACTOR TO PATCH UP THE PAINT OF THE (TRUSS/STEEL) WHERE THE LIGHTING FIXTURES REMOVED TO MATCH THE EXISTING COLOR.
  3. WHEN REPLACING EXISTING (1X4) LIGHTING FIXTURES RECESSED IN THE T BAR CEILING WITH (2X4) NEW LIGHTING FIXTURE. CONTRACTOR TO ALLOW FOR REMOVING PART OF THE DROP CEILING GRID.

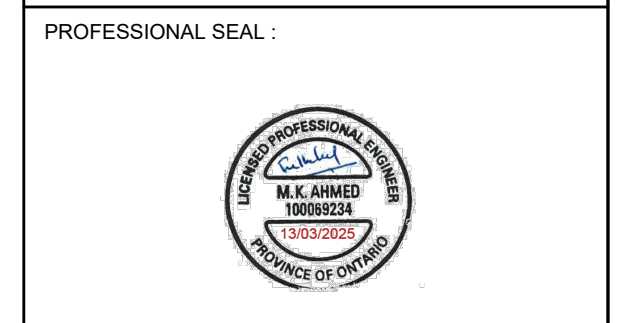
NOTE  
 1. ALL LIGHTING IN CORRIDOR, CHANGE ROOMS AND WASHROOMS ARE SPECIFICALLY IDENTIFIED ON THIS LOCAL PANEL UNLESS OTHERWISE NOTED. SWITCHING IN CORRIDOR LIGHT SHALL NOT BE PROVIDED FOR THIS PROJECT AS IT HAS BEEN ALREADY RE-CONNECTED TO THE NEW LIGHTING CONTROL SYSTEM.

The Contractor shall verify all dimensions prior to commencement of the work. All print and specifications are the property of the Architect and must be returned upon completion of the work.

ISSUE OR REVISION		
No.	Description	Date
1	ISSUED FOR REVIEW	FEB 18, 2025
2	ISSUED FOR TENDER	MAR 13, 2025

**ASCENSION CES RENOVATION PROJECT**

5205 New Street,  
 Burlington, Ontario, L7L 1V3  
 HALTON CATHOLIC DISTRICT SCHOOL BOARD



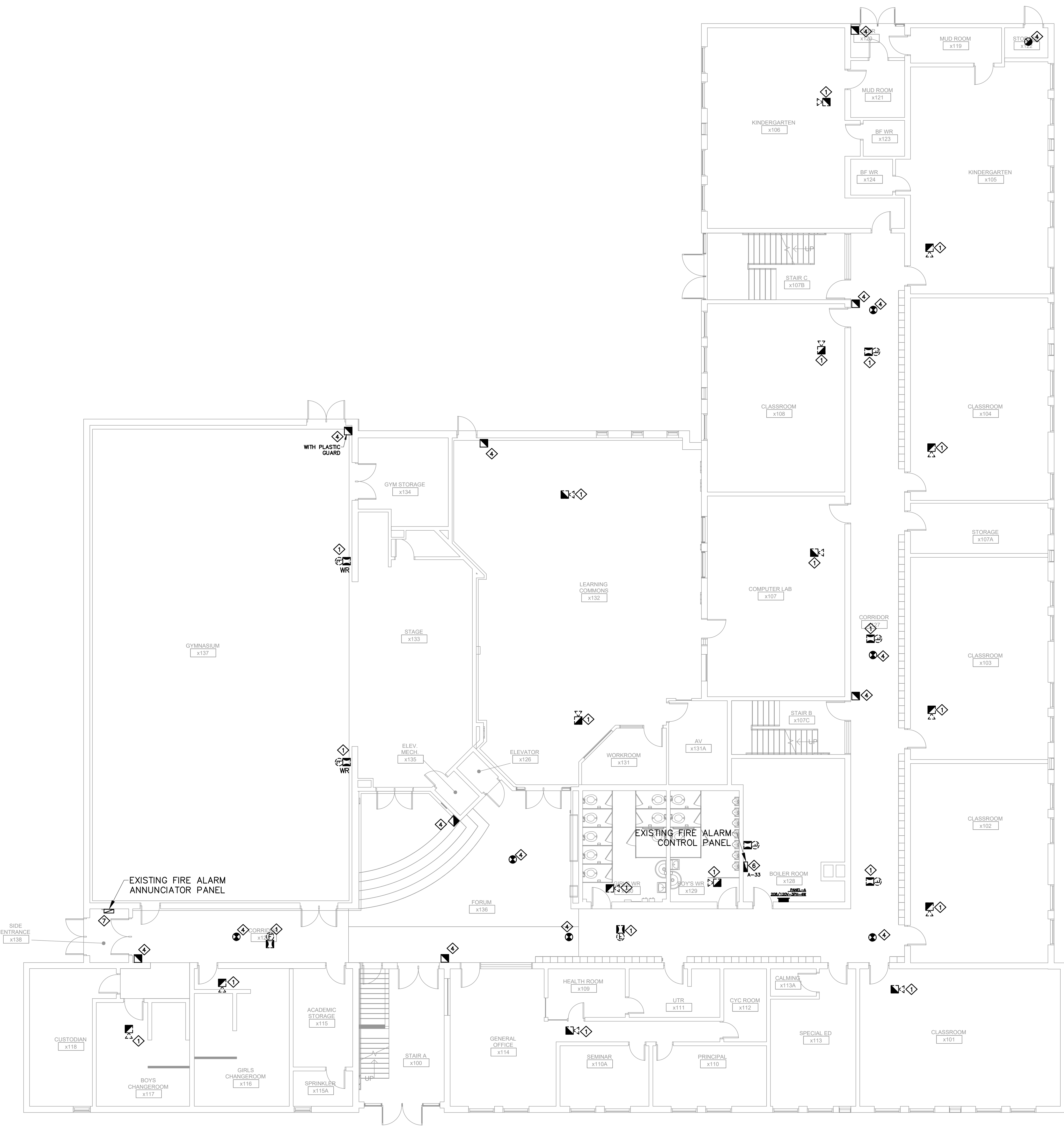
DWG TITLE:  
**DEMOLITION LIGHTING  
 GROUND FLOOR PLAN**



DATE:	FEBRUARY 2025
SCALE:	1:110
DRAWN BY:	AS
CHECKED BY:	MA
DWG STATUS:	TENDER
PROJECT No.:	2025-476
DRAWING No.:	E2.0
REVISION:	

March 13, 2025 4:24:30 PM





**LEGEND**

	MAIN ENTRANCE
	SECONDARY ENTRANCE
	KEY BOX
	FIRE HOUSE CABINET
	FIRE HOUSE ANNUNCIATOR
	MN. ELECT. PANEL
	ELEVATOR
	FIRE ALARM CONTROL PANEL
	STAIRS
	FIRE EXTINGUISHER
	FIRE PROTECTION CONTROL VALVES
	FIRE EXTINGUISHER CABINET
	FIRE ALARM PULL STATION
	EMERGENCY GAS SHUT-OFF
	AUTOMATIC FIXED TEMPERATURE HEAT DETECTOR AT 157° F
	PHOTOELECTRIC TYPE SMOKE DETECTOR UNLESS NOTED OTHERWISE
	CARBON MONO-OXIDE DETECTOR
	FLUSH WALL OR CEILING MOUNTED FIRE ALARM HORN & STROBE
	FIRE ALARM BELL
	FIRE ALARM STROBE
	DOOR HOLD OPEN DEVICE

**NOTES:**

1. TO BE DEMOLISHED WHEN SYMBOLS SHOWN DOTTED.

**DEMOLITION NOTES:**

1. THE ELECTRICAL CONTRACTOR SHALL REMOVE AND REPLACE ALL EXISTING FIRE ALARM HORNS WITH NEW COMBINATION HORN/STROBE UNITS.
2. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF TWO (2) DAYS OF FIRE WATCH DURING THE REPLACEMENT PROCESS.
3. ALL NEW FIRE ALARM HORN/STROBE UNITS SHALL BE CONNECTED TO THE EXISTING FIRE ALARM PANEL.
4. THE EXISTING FIRE ALARM PANEL, FIRE ALARM ANNUNCIATOR, SMOKE DETECTORS, HEAT DETECTORS, AND FIRE ALARM PULL STATIONS SHALL REMAIN UNCHANGED.
5. THE CONTRACTOR SHALL PERFORM ALL NECESSARY TESTING AND VERIFICATION TO ENSURE PROPER FUNCTIONALITY AND COMPLIANCE WITH APPLICABLE CODES AND STANDARDS.
6. EXISTING FIRE ALARM PANEL ( EDWARDS).
7. EXISTING FIRE ALARM ANNUNCIATOR ( EDWARDS).

**GENERAL NOTES:**

1. UPON COMPLETION AND APPROVAL OF THE NEW FIRE ALARM HORN/STROBE INSTALLATION, ALL ASSOCIATED WIRING AND CONDUIT SHALL REMAIN IN PLACE.
2. ALL AFFECTED SURFACES SHALL BE REPAIRED AND PAINTED TO MATCH THE EXISTING FINISH.

The Contractor shall verify all dimensions prior to commencement of the work. All print and specifications are the property of the Architect and must be returned upon completion of the work.

**ISSUE OR REVISION**

No.	Description	Date
1	ISSUED FOR REVIEW	FEB 18, 2025
2	ISSUED FOR TENDER	MAR 13, 2025

PROJECT:  
**ASCENSION CES RENOVATION PROJECT**

5205 New Street,  
Burlington, Ontario, L7L 1V3  
HALTON CATHOLIC DISTRICT SCHOOL BOARD

PROFESSIONAL SEAL:



DWG TITLE:  
**DEMOLITION FIRE ALARM GROUND FLOOR PLAN**



**REGAL CONSULTING ENGINEERS INC.**  
CONSULTING MECHANICAL & ELECTRICAL ENGINEERS  
208 Weycroft Road, Suite 200, Oakville, Ontario L6K 3S2  
PHONE: (905) 844-3913  
www.regal-eng.com

DATE: FEBRUARY 2025

SCALE: 1:100

DRAWN BY: AS

CHECKED BY: MA

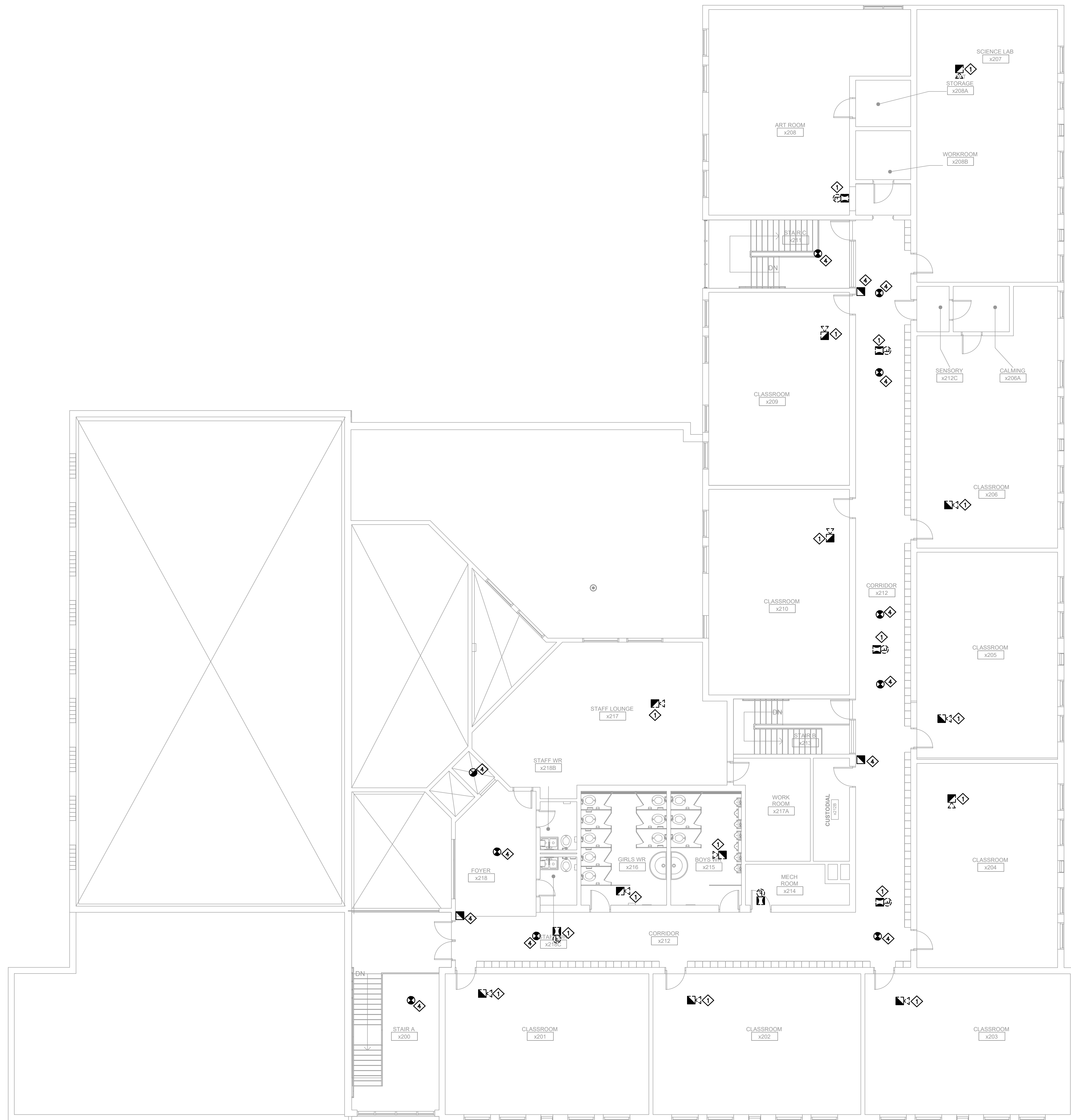
DWG STATUS: TENDER

PROJECT No.: 2025-476

DRAWING No.: E2.2

REVISION

March 13, 2025 4:24:58 PM



LEGEND	
	MAIN ENTRANCE
	SECONDARY ENTRANCE
	KEY BOX
	FIRE HOUSE CABINET
	FIRE HOUSE ANNUNCIATOR
	MN. ELECT. PANEL
	ELEVATOR
	FIRE ALARM CONTROL PANEL
	STAIRS
	FIRE EXTINGUISHER
	FIRE PROTECTION CONTROL VALVES
	FIRE EXTINGUISHER CABINET
	FIRE ALARM PULL STATION
	EMERGENCY GAS SHUT-OFF
	AUTOMATIC FIXED TEMPERATURE HEAT DETECTOR AT 157° F
	PHOTOELECTRIC TYPE SMOKE DETECTOR UNLESS NOTED OTHERWISE
	CARBON MONO-OXIDE DETECTOR
	FLUSH WALL OR CEILING MOUNTED FIRE ALARM HORN & STROBE
	FIRE ALARM BELL
	FIRE ALARM STROBE
	DOOR HOLD OPEN DEVICE

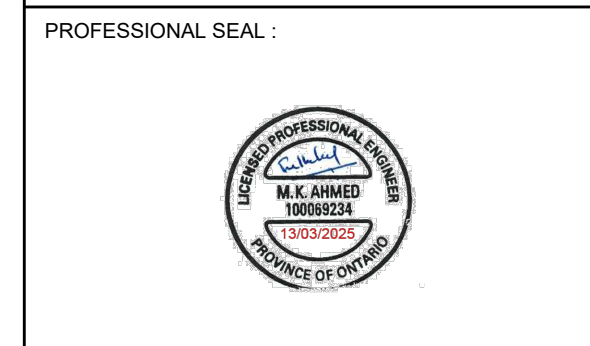
NOTES:  
 1. TO BE DEMOLISHED WHEN SYMBOLS SHOWN DOTTED.

DEMOLITION NOTES:		
	THE ELECTRICAL CONTRACTOR SHALL REMOVE AND REPLACE ALL EXISTING FIRE ALARM HORNS WITH NEW COMBINATION HORN/STROBE UNITS.	
	THE CONTRACTOR SHALL PROVIDE A MINIMUM OF TWO (2) DAYS OF FIRE WATCH DURING THE REPLACEMENT PROCESS.	
	ALL NEW FIRE ALARM HORN/STROBE UNITS SHALL BE CONNECTED TO THE EXISTING FIRE ALARM PANEL.	
	THE EXISTING FIRE ALARM PANEL, FIRE ALARM ANNUNCIATOR, SMOKE DETECTORS, HEAT DETECTORS, AND FIRE ALARM PULL STATIONS SHALL REMAIN UNCHANGED.	
	THE CONTRACTOR SHALL PERFORM ALL NECESSARY TESTING AND VERIFICATION TO ENSURE PROPER FUNCTIONALITY AND COMPLIANCE WITH APPLICABLE CODES AND STANDARDS.	
	EXISTING FIRE ALARM PANEL (EDWARDS).	
	EXISTING FIRE ALARM ANNUNCIATOR (EDWARDS).	

GENERAL NOTES:		
1.	UPON COMPLETION AND APPROVAL OF THE NEW FIRE ALARM HORN/STROBE INSTALLATION, ALL ASSOCIATED WIRING AND CONDUIT SHALL REMAIN IN PLACE.	
2.	ALL AFFECTED SURFACES SHALL BE REPAIRED AND PAINTED TO MATCH THE EXISTING FINISH.	

ISSUE OR REVISION		
No.	Description	Date
1	ISSUED FOR REVIEW	FEB 18, 2025
2	ISSUED FOR TENDER	MAR 13, 2025

PROJECT:  
**ASCENSION CES RENOVATION PROJECT**  
 5205 New Street,  
 Burlington, Ontario, L7L 1V3  
 HALTON CATHOLIC DISTRICT SCHOOL BOARD

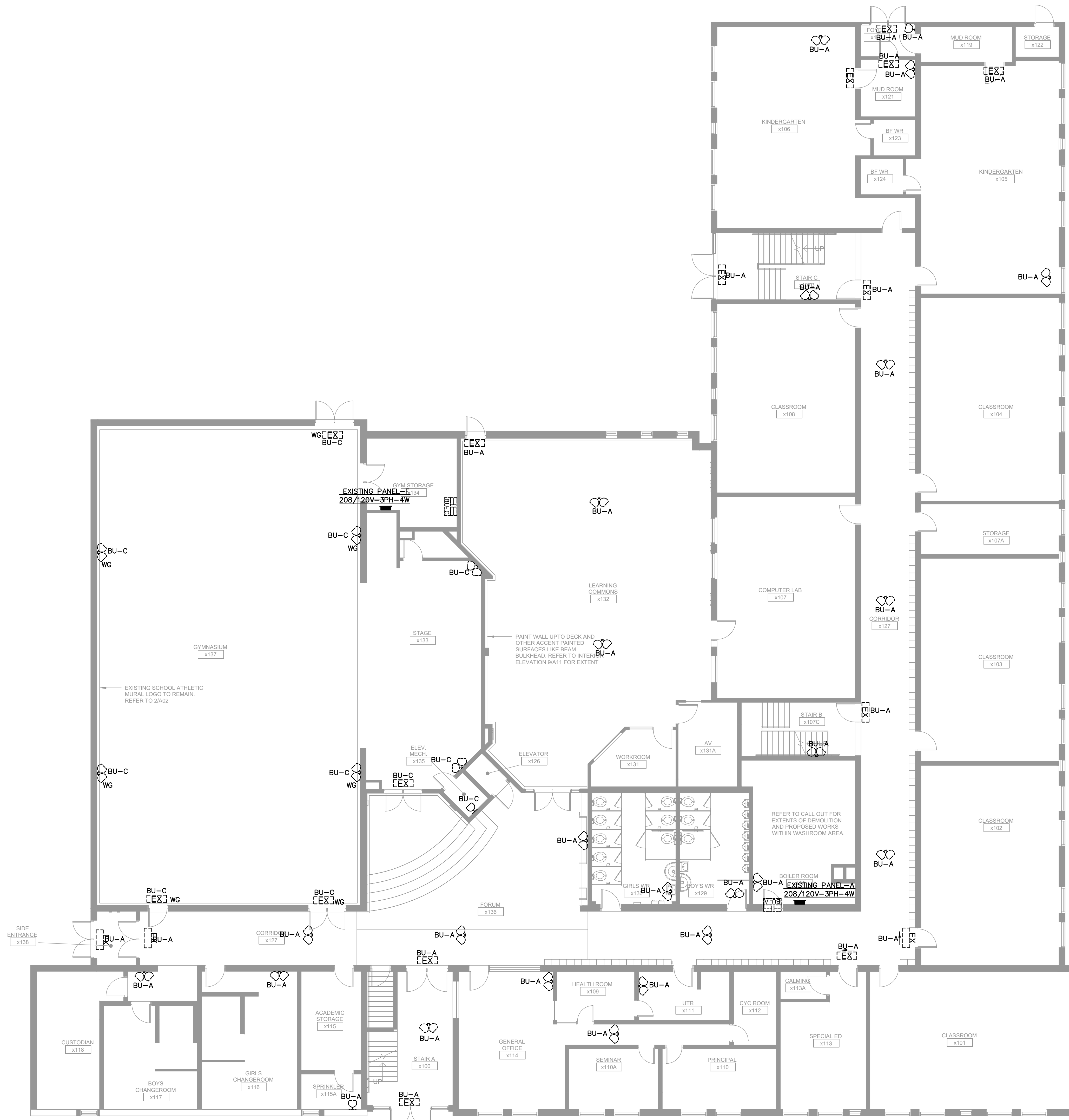


DWG TITLE:  
**DEMOLITION FIRE ALARM SECOND FLOOR PLAN**



DATE:	FEBRUARY 2025
SCALE:	1:100
DRAWN BY:	AS
CHECKED BY:	MA
DWG STATUS:	TENDER
PROJECT No.:	2025-476
DRAWING No.:	E2.3
REVISION:	

March 13, 2025 4:25:00 PM



LEGEND	
[EX]	EXIT SIGN
[EML]	EMERGENCY LIGHTING FIXTURE
[BU]	BATTERY UNIT

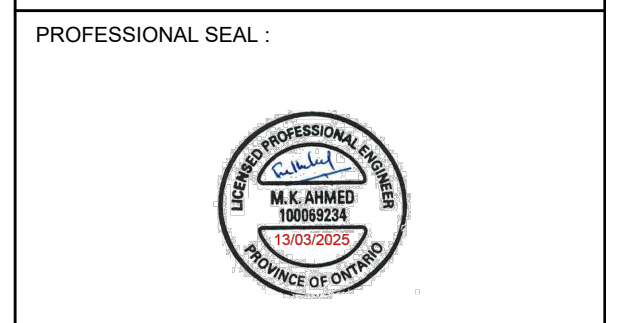
- NOTES:**
1. THE ELECTRICAL CONTRACTOR SHALL REMOVE ALL EXISTING EMERGENCY LIGHTING FIXTURES, EXIT SIGNS, AND BATTERY UNITS AS INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL MARK CIRCUITS AND CONNECT THE NEW BATTERY UNITS AS APPROPRIATE.
  2. THE CONTRACTOR SHALL DISCONNECT AND REMOVE ALL EXISTING WIRING, CONDUITS, AND ACCESSORIES ASSOCIATED WITH THE EMERGENCY LIGHTING, EXIT SIGNS, AND BATTERY UNITS. ALL REMOVED COMPONENTS SHALL BE PROPERLY DISPOSED OF IN ACCORDANCE WITH LOCAL REGULATIONS.
  3. THE CONTRACTOR SHALL ENSURE THAT SURROUNDING AREAS, INCLUDING WALLS, CEILINGS, AND FLOORS, ARE PROTECTED DURING THE DEMOLITION PROCESS TO PREVENT DAMAGE TO EXISTING STRUCTURES AND FINISHES.

The Contractor shall verify all dimensions prior to commencement of the work. All print and specifications are the property of the Architect and must be returned upon completion of the work.

ISSUE OR REVISION		
No.	Description	Date
1	ISSUED FOR REVIEW	FEB 18, 2025
2	ISSUED FOR TENDER	MAR 13, 2025

PROJECT:  
**ASCENSION CES RENOVATION PROJECT**

5205 New Street,  
Burlington, Ontario, L7L 1V3  
HALTON CATHOLIC DISTRICT SCHOOL BOARD

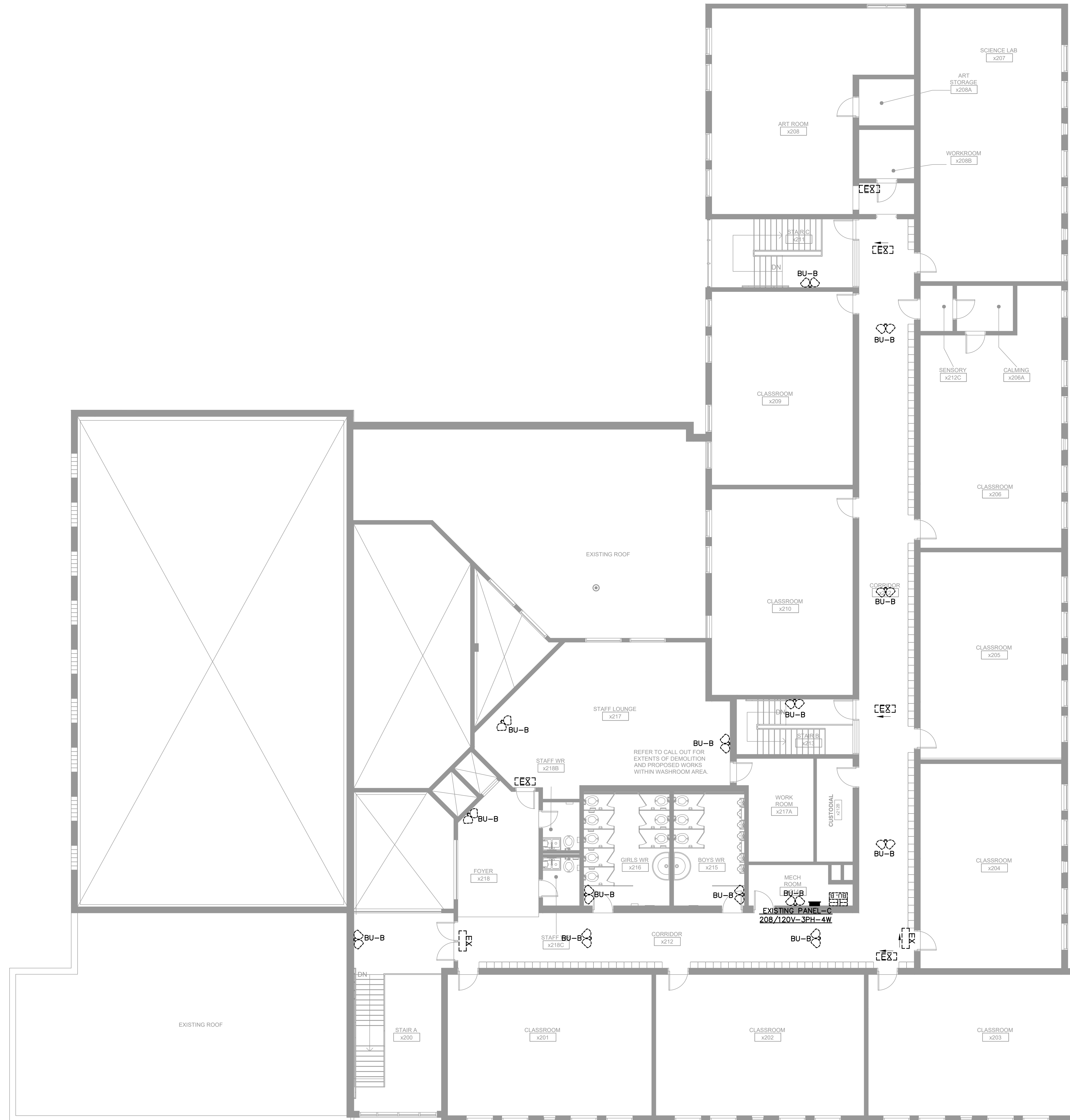


DWG TITLE:  
**DEMOLITION EXISTING EMERGENCY LIGHTINGS & EXIT SIGNS GROUND FLOOR PLAN**



DATE:	FEBRUARY 2025
SCALE:	1:100
DRAWN BY:	AS
CHECKED BY:	MA
DWG STATUS:	<b>TENDER</b>
PROJECT No.:	<b>2025-476</b>
DRAWING No.:	<b>E2.4</b>
REVISION	

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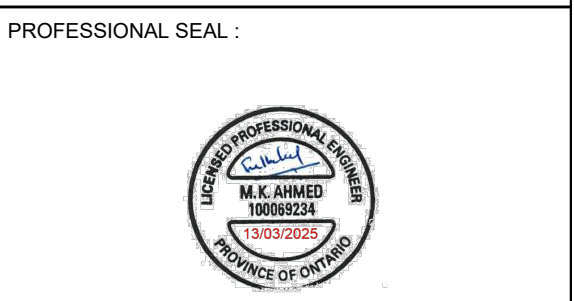
LEGEND	
	EXIT SIGN
	EMERGENCY LIGHTING FIXTURE
	BATTERY UNIT

- NOTES:**
1. THE ELECTRICAL CONTRACTOR SHALL REMOVE ALL EXISTING EMERGENCY LIGHTING FIXTURES, EXIT SIGNS, AND BATTERY UNITS AS INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL MARK CIRCUITS AND CONNECT THE NEW BATTERY UNITS AS APPROPRIATE.
  2. THE CONTRACTOR SHALL DISCONNECT AND REMOVE ALL EXISTING WIRING, CONDUITS, AND ACCESSORIES ASSOCIATED WITH THE EMERGENCY LIGHTING, EXIT SIGNS, AND BATTERY UNITS. ALL REMOVED COMPONENTS SHALL BE PROPERLY DISPOSED OF IN ACCORDANCE WITH LOCAL REGULATIONS.
  3. THE CONTRACTOR SHALL ENSURE THAT SURROUNDING AREAS, INCLUDING WALLS, CEILINGS, AND FLOORS, ARE PROTECTED DURING THE DEMOLITION PROCESS TO PREVENT DAMAGE TO EXISTING STRUCTURES AND FINISHES.

The Contractor shall verify all dimensions prior to commencement of the work. All print and specifications are the property of the Architect and must be returned upon completion of the work.

ISSUE OR REVISION		
No.	Description	Date
1	ISSUED FOR REVIEW	FEB 18, 2025
2	ISSUED FOR TENDER	MAR 13, 2025

PROJECT:  
**ASCENSION CES RENOVATION PROJECT**  
 5205 New Street,  
 Burlington, Ontario, L7L 1V3  
 HALTON CATHOLIC DISTRICT SCHOOL BOARD



DWG TITLE:  
**DEMOLITION EXISTING EMERGENCY LIGHTINGS & EXIT SIGNS SECOND FLOOR PLAN**



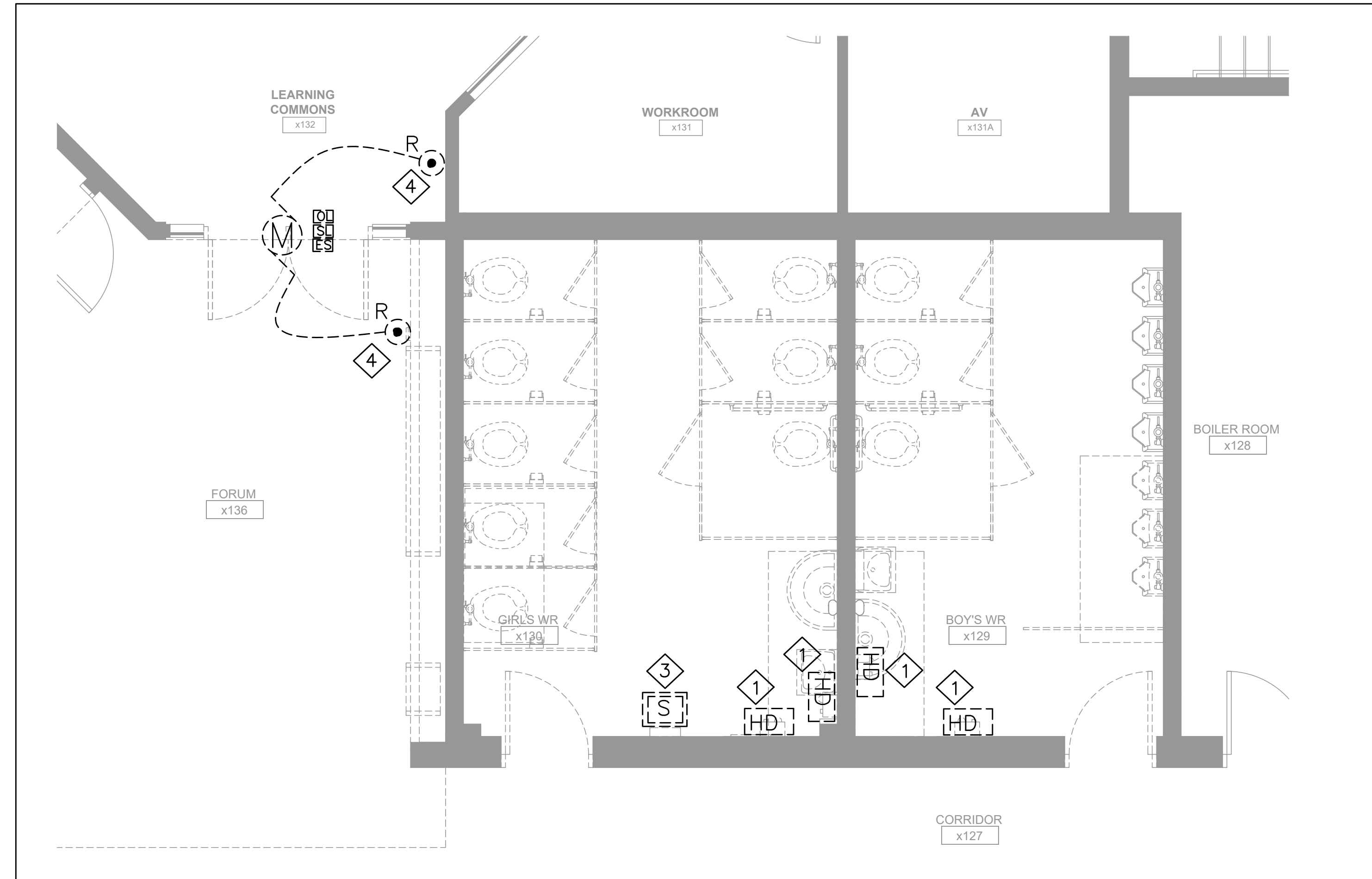
DATE:	FEBRUARY 2025
SCALE:	1:100
DRAWN BY:	AS
CHECKED BY:	MA
DWG STATUS:	TENDER
PROJECT No.:	2025-476
DRAWING No.:	E2.5
REVISION:	

March 13, 2025 4:25:26 PM

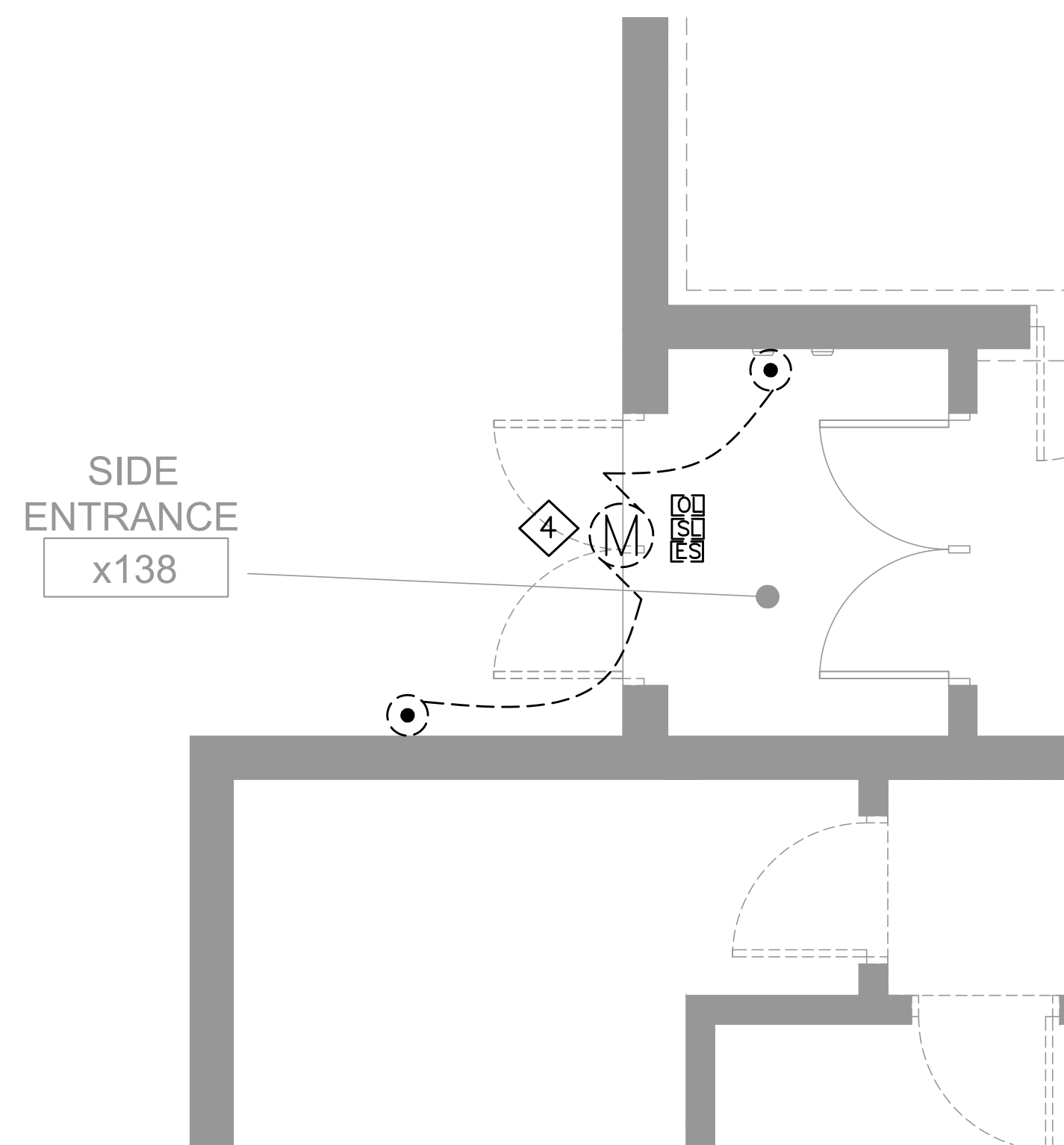


GROUND FLOOR

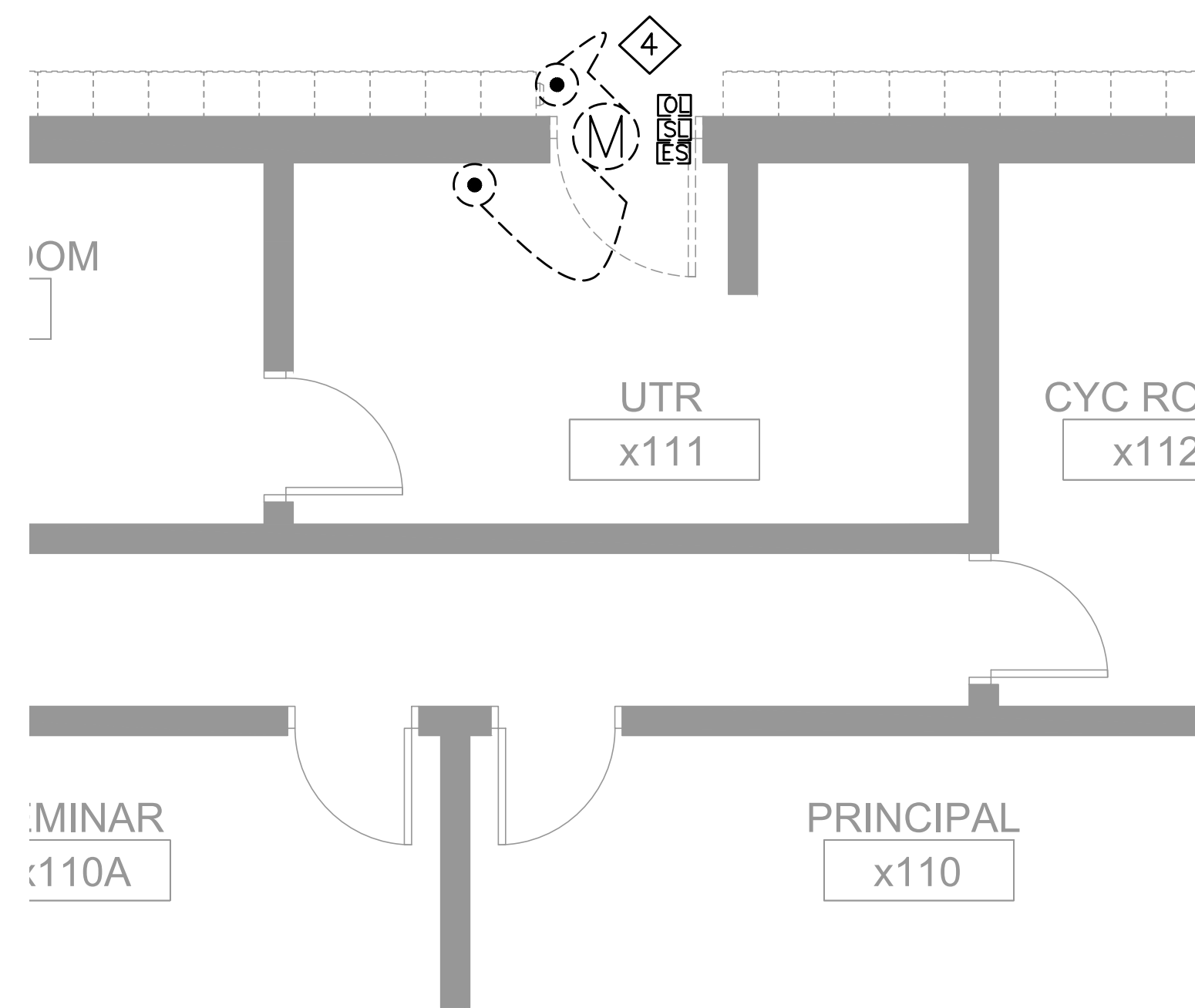
1 GROUND FLOOR KEY PLAN  
E2.6 N.T.S



2 DEMOLITION GROUND FLOOR POWER WASHROOM PLAN  
E2.6 1:40



3 DEMOLITION GROUND FLOOR POWER SITE ENTRANCE 138 PLAN  
E2.6 1:40



4 DEMOLITION GROUND FLOOR POWER UTR 111 PLAN  
E2.6 1:40

DEMOLITION POWER NOTES:

- 1 ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE POWER TO THE HAND DRYERS THESE ARE BEING DEMOLISHED. AFTER REMOVAL, MARK THE CIRCUITS AND RE-USE FOR NEW HAND DRYERS. REMOVE ALL ASSOCIATED CABLES, WIRES, AND CONDUITS BACK TO THE SOURCE.
- 2 PROVIDE STAINLESS STEEL COVER PLATES AS REQUIRED FOR ALL REDUNDANT OUTLET BOXES TO REMAIN IN EXISTING WALLS.
- 3 ELECTRICAL CONTRACTOR SHALL REMOVE AND RELOCATE THE EXISTING CEILING MOUNTED SPEAKERS AS REQUIRED WASHROOM RENOVATION AS SHOWN ON THE ELECTRICAL DRAWINGS. ALLOW FOR EXTENDING CABLE CONDUITS. ALLOW FOR TESTING TO MAKE THE SYSTEM FULLY FUNCTIONAL.
- 4 ELECTRICAL CONTRACTOR SHALL REMOVE AND RELOCATE THE EXISTING DOOR OPERATOR AS REQUIRED NEW RENOVATION AS SHOWN ON THE ELECTRICAL DRAWINGS. ALLOW FOR EXTENDING CABLE CONDUITS. ALLOW FOR TESTING TO MAKE THE SYSTEM FULLY FUNCTIONAL.
- 5 THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR ALL RELATED ELECTRICAL WORK. ENSURE PROPER CONNECTIONS FOR ANY MECHANICAL EQUIPMENT REQUIRING ELECTRICAL POWER.
- 6 ENSURE ALL WORK IS COMPLETED IN ACCORDANCE WITH THE ONTARIO ELECTRICAL SAFETY CODE (OESC) AND OTHER APPLICABLE REGULATIONS.

The Contractor shall verify all dimensions prior to commencement of the work. All print and specifications are the property of the Architect and must be returned upon completion of the work.

ISSUE OR REVISION		
No.	Description	Date
1	ISSUED FOR REVIEW	FEB 18, 2025
2	ISSUED FOR TENDER	MAR 13, 2025

PROJECT: ASCENSION CES RENOVATION PROJECT

5205 New Street,  
Burlington, Ontario, L7L 1V3  
HALTON CATHOLIC DISTRICT SCHOOL BOARD

PROFESSIONAL SEAL:



DWG TITLE:  
DEMOLITION GROUND FLOOR POWER PLAN



REGAL CONSULTING ENGINEERS INC.  
CONSULTING MECHANICAL & ELECTRICAL ENGINEERS  
208 Wyecroft Road, Suite 200, Oakville, Ontario L6K 3S3  
PHONE: (905) 844-3913  
www.regal-eng.com

DATE: FEBRUARY 2025

SCALE: AS NOTED

DRAWN BY: AS

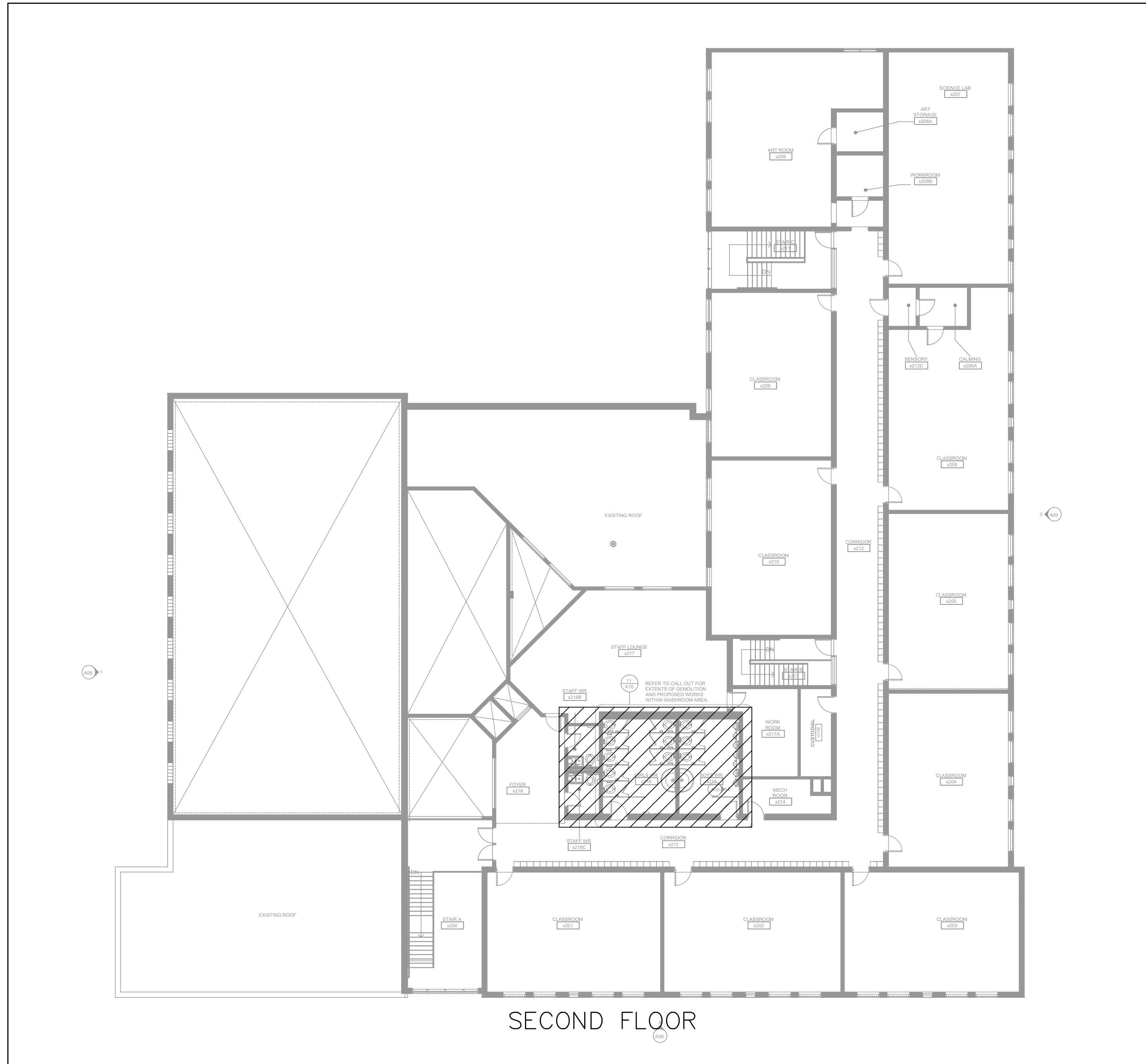
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DWG STATUS: TENDER

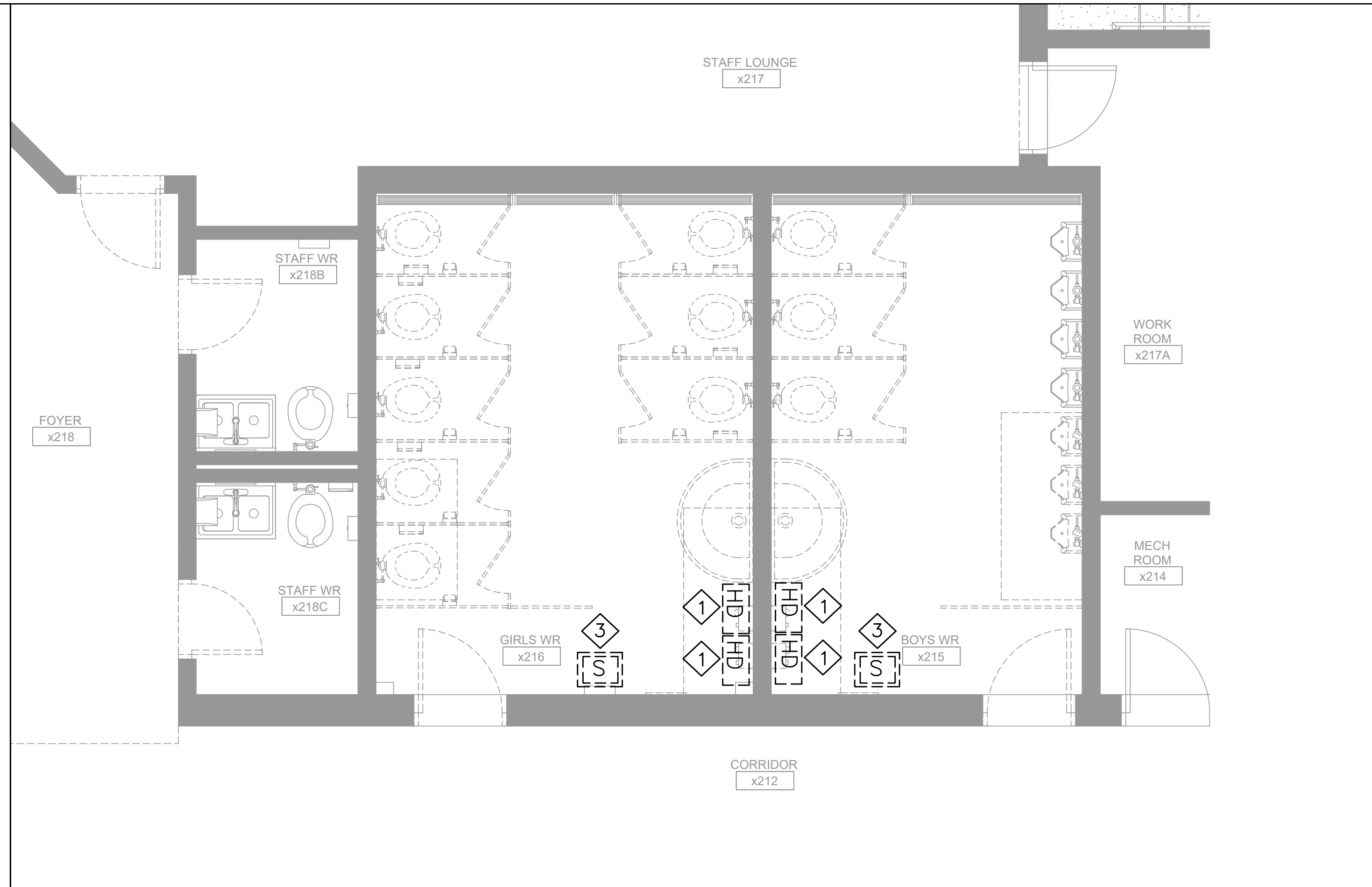
PROJECT No.: 2025-476

DRAWING No.: E2.6 REVISION

March 13, 2025 4:26:10 PM



1 SECOND FLOOR KEY PLAN  
E2.7 N.T.S



2 DEMOLITION SECOND FLOOR POWER WASHROOM PLAN  
E2.7 1:40

**DEMOLITION POWER NOTES:**

- 1 ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE POWER TO THE HAND DRYERS THESE ARE BEING DEMOLISHED. AFTER REMOVAL, MARK THE CIRCUITS AND RE-USE FOR NEW HAND DRYERS. REMOVE ALL ASSOCIATED CABLES, WIRES, AND CONDUITS BACK TO THE SOURCE.
- 2 PROVIDE STAINLESS STEEL COVER PLATES AS REQUIRED FOR ALL REDUNDANT OUTLET BOXES TO REMAIN IN EXISTING WALLS.
- 3 ELECTRICAL CONTRACTOR SHALL REMOVE AND RELOCATE THE EXISTING CEILING MOUNTED SPEAKERS AS REQUIRED WASHROOM RENOVATION AS SHOWN ON THE ELECTRICAL DRAWINGS. ALLOW FOR EXTENDING CABLE CONDUITS. ALLOW FOR TESTING TO MAKE THE SYSTEM FULLY FUNCTIONAL.
- 4 ELECTRICAL CONTRACTOR SHALL REMOVE AND RELOCATE THE EXISTING DOOR OPERATOR AS REQUIRED NEW RENOVATION AS SHOWN ON THE ELECTRICAL DRAWINGS. ALLOW FOR EXTENDING CABLE CONDUITS. ALLOW FOR TESTING TO MAKE THE SYSTEM FULLY FUNCTIONAL.
- 5 THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR ALL RELATED ELECTRICAL WORK. ENSURE PROPER CONNECTIONS FOR ANY MECHANICAL EQUIPMENT REQUIRING ELECTRICAL POWER.
- 6 ENSURE ALL WORK IS COMPLETED IN ACCORDANCE WITH THE ONTARIO ELECTRICAL SAFETY CODE (OESC) AND OTHER APPLICABLE REGULATIONS.

The Contractor shall verify all dimensions prior to commencement of the work. All print and specifications are the property of the Architect and must be returned upon completion of the work.

**ISSUE OR REVISION**

No.	Description	Date
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**ASCENSION CES RENOVATION PROJECT**

5205 New Street,  
Burlington, Ontario, L7L 1V3  
HALTON CATHOLIC DISTRICT SCHOOL BOARD

PROFESSIONAL SEAL:



DWG TITLE:  
**DEMOLITION SECOND FLOOR POWER PLAN**



**REGAL CONSULTING ENGINEERS INC.**  
CONSULTING MECHANICAL & ELECTRICAL ENGINEERS  
208 Wyecroft Road, Suite 200, Oakville, Ontario L6K 3S3  
PHONE: (905) 844-3913  
www.regal-eng.com

DATE: FEBRUARY 2025

SCALE: AS NOTED

DRAWN BY: AS

CHECKED BY: MA

DWG STATUS: TENDER

PROJECT No.: 2025-476

DRAWING No.: E2.7

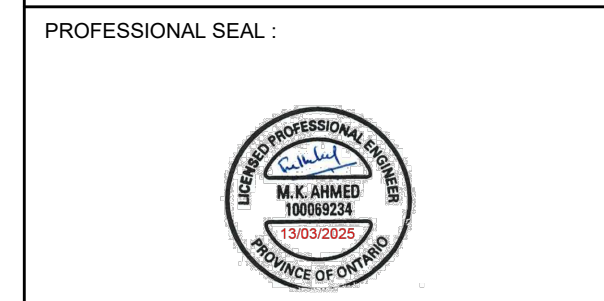
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The Contractor shall verify all dimensions prior to commencement of the work. All print and specifications are the property of the Architect and must be returned upon completion of the work.

ISSUE OR REVISION		
No.	Description	Date
1	ISSUED FOR REVIEW	FEB 18, 2025
2	ISSUED FOR TENDER	MAR 13, 2025

PROJECT:  
**ASCENSION CES RENOVATION PROJECT**

5205 New Street,  
Burlington, Ontario, L7L 1V3  
HALTON CATHOLIC DISTRICT SCHOOL BOARD



DWG TITLE:  
**PROPOSED LED LIGHTING RETROFIT GROUND FLOOR PLAN**

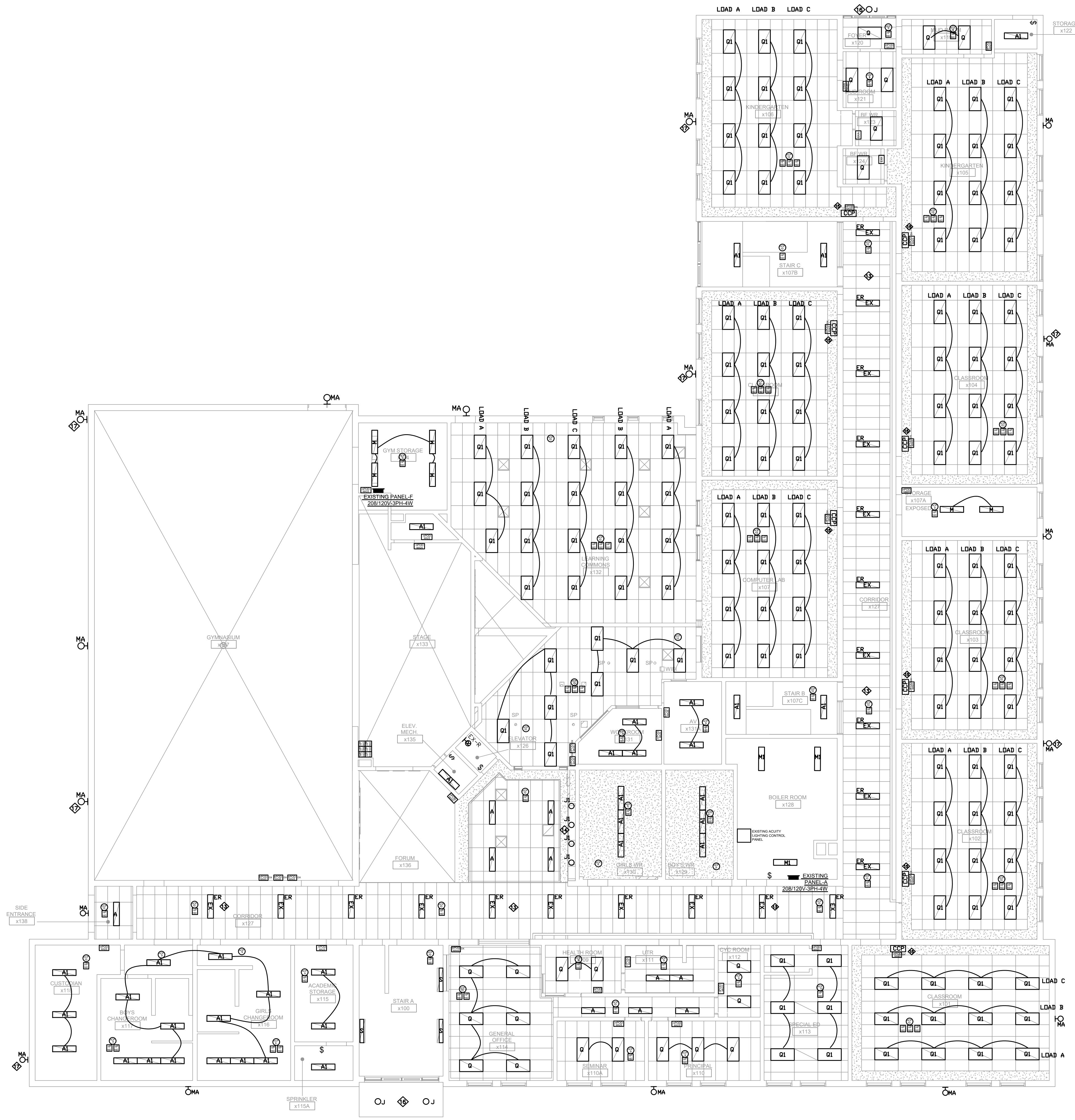


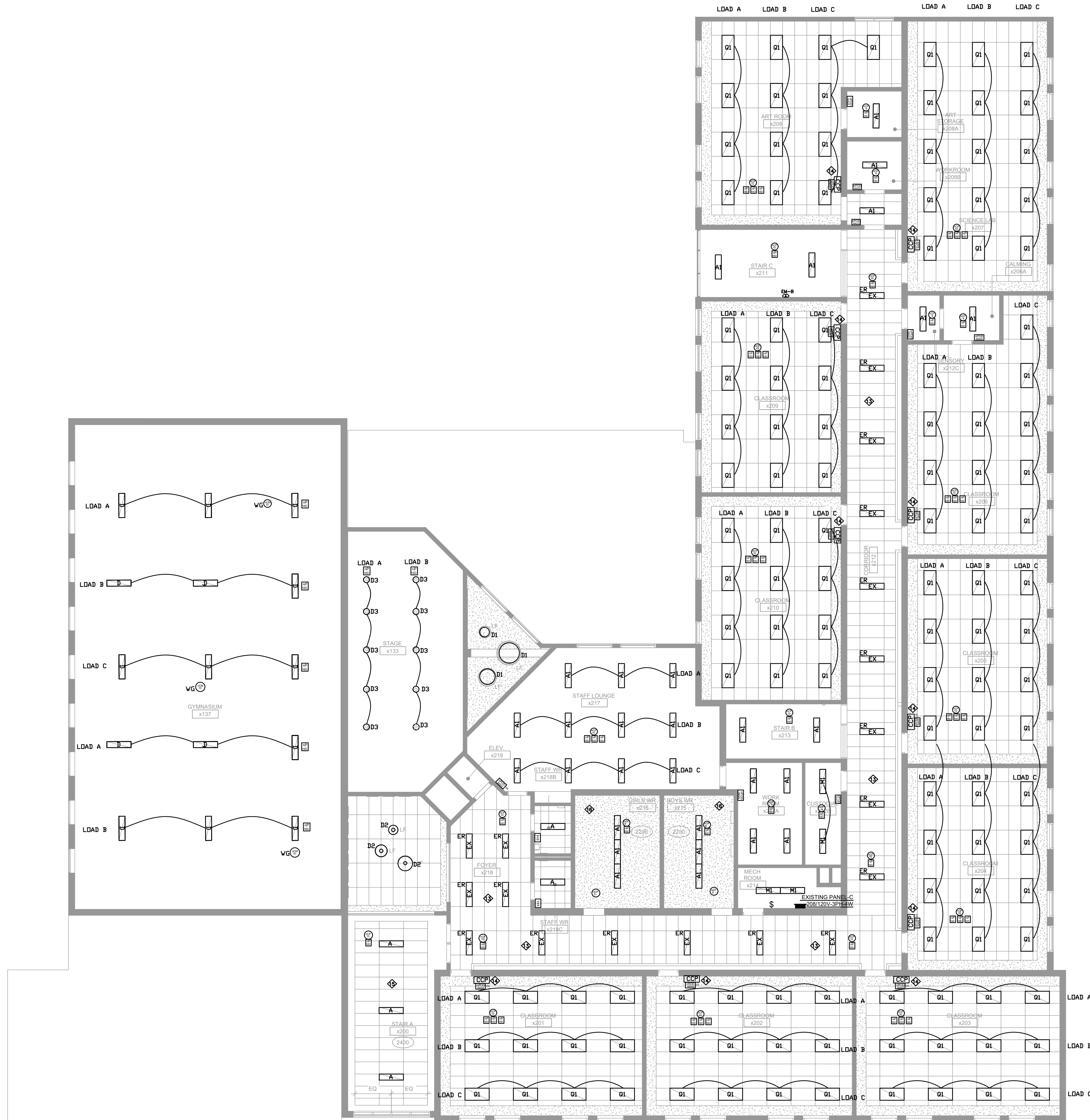
**REGAL CONSULTING ENGINEERS INC.**  
CONSULTING MECHANICAL & ELECTRICAL ENGINEERS  
208 Wycroft Road, Suite 200, Oakville, Ontario L6K 3S3  
PHONE: (905) 844-3913  
www.regal-eng.com

DATE:	FEBRUARY 2025
SCALE:	1:110
DRAWN BY:	AS
CHECKED BY:	MA
DWG STATUS:	TENDER
PROJECT No.:	2025-476
DRAWING No.:	E3.0
REVISION:	

March 13, 2025 4:27:13  
PWI

- NOTES:**
- RE-UTILIZE EXISTING LIGHTING CIRCUITS UNLESS NOTED OTHERWISE. ELECTRICAL CONTRACTOR TO VERIFY CAPACITY OF EXISTING LIGHTING CIRCUIT PRIOR TO INSTALLATION. PROVIDE NEW SWITCHING LEGS AS INDICATED.
  - OFF-DELAY TIME OF OCCUPANCY SENSORS TO BE THIRTY MINUTES.
  - OCCUPANCY SENSORS TO BE DUAL TECHNOLOGY PIR AND ULTRASONIC TYPE. ACCEPTABLE MANUFACTURER'S WATTSTOPPER, ACUITY AND LUTRON.
  - ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL NEW 20A BREAKER IN EXISTING ELECTRICAL PANEL AS SHOWN. EXTEND POWER INTO THE CEILING SPACE FOR DIGITAL LIGHTING CONTROL SYSTEM. ALL LOW VOLTAGE TRANSFORMERS REQUIRED FOR DIGITAL LIGHTING CONTROL SYSTEM TO BE PROVIDED AND INSTALLED.
  - ELECTRICAL CONTRACTOR TO CO-ORDINATE WITH GC FOR THE SUPPLY AND INSTALLATION OF CEILING TILES IN PLACE WHERE THE LIGHTING FIXTURES ARE REMOVED. GC TO ALLOW FOR PROVIDING ACOUSTIC CEILING TILES AS REQUIRED. ACCEPTABLE ACOUSTIC CEILING TILE IS ARMSTRONG FINE FISSURED "SQ LAY IN FIRMGUARD HUMIGUARD PLUS BP 1830" NO ALTERNATE ALLOWED.
  - CONTRACTOR TO ALLOW FOR SCISSOR LIFT OR ANY OTHER APPLICABLE LIFT TO WORK AT THE FIXTURE AT HIGHER ELEVATIONS. ELECTRICIANS WORKING AT HEIGHT TO BE CERTIFIED "WORKING AT HEIGHTS" AND TO HAVE ALL THE APPROVED EQUIPMENT.  
ELECTRICAL CONTRACTOR TO ALLOW FOR BUILDING OF RAMPS ETC IN ORDER TO BRING THE POWER LIFT ETC INSIDE THE SCHOOL PREMISES. NO EXTRA WILL BE ENTERTAINED FOR TEMPORARY RAMPS THAT MAY REQUIRED TO BRING HEAVY LIFT EQUIPMENT.
  - ELECTRICAL CONTRACTOR TO ALLOW FOR DISCONNECTING THE OLD FIXTURE AND CONNECT THE NEW LIGHTING FIXTURE WITH EXISTING CIRCUIT AND SWITCH.
  - OCCUPANCY SENSORS IN GYM AND WORKSHOPS TO COME WITH WIRE GUARDS.
  - ELECTRICAL CONTRACTOR TO INSTALL LIGHTING CONTROLLER RELAYS ETC. FOR THE NEW LIGHTING FIXTURES OF THE GYM IN THE CEILING SPACE OF THE STORAGE ROOM AS SHOWN ON THE FLOOR PLAN.
  - AS ELECTRICAL POWER AND LOW VOLTAGE CABLE FOR THE NEW LED LIGHTINGS SWITCHES CANNOT BE RUN IN THE SAME EXISTING ELECTRICAL CONDUIT, THE ELECTRICAL CONTRACTOR SHALL ALLOW TO PROVIDE AND INSTALL WIREMOLD FOR THE NEW LOW VOLTAGE SWITCHES.
  - ELECTRICAL CONTRACTOR TO ALLOW FOR CONNECTING THE NEW LIGHTING FIXTURES TO EXISTING CIRCUIT WITH ALL REQUIRED LIGHTING CONTROLLER RELAYS ETS.
  - EXISTING LED LIGHTING FIXTURES IN CORRIDOR TO REMAIN. CONNECT TO THE NEW LIGHTING CONTROL SYSTEMS. CORRIDORS TO INSTALL DIMMING WITH EXISTING LED FIXTURES AND CHANGE TEMPERATURE TO 4000K.
  - ELECTRICAL CONTRACTOR TO PROVIDE NEW LIGHTING FIXTURES FOR NEW CATHOLIC DISPLAY FEATURE WALL. REFER TO THE ARCHITECTURAL DETAILS.
  - ELECTRICAL CONTRACTOR TO PROVIDE CLASSROOM CONTROL PANEL'S SWITCH PLATE TO SUIT LIGHTING CONTROL BUTTON STATION(S) AND AND OTHER EXISTING CLASSROOM CONTROL PANEL DEVICES.
  - AT THIS LOCATION THE EXISTING CANOPY FIXTURE IS TO BE DISCONNECT AND REMOVED. MAINTAIN CIRCUIT FOR RECONNECTION TO NEW FIXTURE.
  - ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL NEW WALL PACK LIGHTING FIXTURE AS SHOWN. CONNECT NEW LIGHTING FIXTURE TO THE EXISTING CIRCUITS. ALLOW FOR EXTENDING CABLES AND CONDUITS.
- CUTTING, PATCHING AND PAINTING BY GC**
- CUTTING AND PATCHING OF THE DRYWALL BY THE GC IS INCLUDED IN THE SCOPE OF WORK. GC TO CAREFULLY EXAMINE ALL THE LIGHTING FLOOR PLAN TO ALLOW FOR COMPLETE CUTTING PATCHING AND PAINTING WORK. FOR THE LIGHTING RETROFIT SCOPE.





**NOTES:**

1. RE-UTILIZE EXISTING LIGHTING CIRCUITS UNLESS NOTED OTHERWISE. ELECTRICAL CONTRACTOR TO VERIFY CAPACITY OF EXISTING LIGHTING CIRCUIT PRIOR TO INSTALLATION.
2. PROVIDE NEW SWITCHING LEGS AS INDICATED.
3. OFF-DELAY TIME OF OCCUPANCY SENSORS TO BE THIRTY MINUTES.
4. OCCUPANCY SENSORS TO BE DUAL TECHNOLOGY PIR AND ULTRASONIC TYPE. ACCEPTABLE MANUFACTURER'S WATTSTOPPER, ACUIITY AND LUTRON
5. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL NEW 20A BREAKER IN EXISTING ELECTRICAL PANEL AS SHOWN. EXTEND POWER INTO THE CEILING SPACE FOR DIGITAL LIGHTING CONTROL SYSTEM. ALL LOW VOLTAGE TRANSFORMERS REQUIRED FOR DIGITAL LIGHTING CONTROL SYSTEM TO BE PROVIDED AND INSTALLED.
6. ELECTRICAL CONTRACTOR TO CO-ORDINATE WITH GC FOR THE SUPPLY AND INSTALLATION OF CEILING TILES IN PLACE WHERE THE LIGHTING FIXTURES ARE REMOVED. GC TO ALLOW FOR PROVIDING ACOUSTIC CEILING TILES AS REQUIRED. ACCEPTABLE ACOUSTIC CEILING TILE IS ARMSTRONG FINE FISSURED "SQ LAY IN FIRMGUARD HUMIGUARD PLUS BP 1830" NO ALTERNATE ALLOWED.
7. CONTRACTOR TO ALLOW FOR SCISSOR LIFT OR ANY OTHER APPLICABLE LIFT TO WORK AT THE FIXTURE AT HIGHER ELEVATIONS. ELECTRICIANS WORKING AT HEIGHT TO BE CERTIFIED "WORKING AT HEIGHTS" AND TO HAVE ALL THE APPROVED EQUIPMENT. ELECTRICAL CONTRACTOR TO ALLOW FOR BUILDING OF RAMPS ETC IN ORDER TO BRING THE POWER LIFT ETC INSIDE THE SCHOOL PREMISES. NO EXTRA WILL BE ENTERTAINED FOR TEMPORARY RAMPS THAT MAY REQUIRED TO BRING HEAVY LIFT EQUIPMENT.
8. ELECTRICAL CONTRACTOR TO ALLOW FOR DISCONNECTING THE OLD FIXTURE AND CONNECT THE NEW LIGHTING FIXTURE WITH EXISTING CIRCUIT AND SWITCH.
9. OCCUPANCY SENSORS IN GYM AND WORKSHOPS TO COME WITH WIRE GUARDS.
10. ELECTRICAL CONTRACTOR TO INSTALL LIGHTING CONTROLLER RELAYS ETC. FOR THE NEW LIGHTING FIXTURES OF THE GYM IN THE CEILING SPACE OF THE STORAGE ROOM AS SHOWN ON THE FLOOR PLAN.
11. AS ELECTRICAL POWER AND LOW VOLTAGE CABLE FOR THE NEW LED LIGHTINGS SWITCHES CANNOT BE RUN IN THE SAME EXISTING ELECTRICAL CONDUIT, THE ELECTRICAL CONTRACTOR SHALL ALLOW TO PROVIDE AND INSTALL WIREMOLD FOR THE NEW LOW VOLTAGE SWITCHES.
12. ELECTRICAL CONTRACTOR TO ALLOW FOR CONNECTING THE NEW LIGHTING FIXTURES TO EXISTING CIRCUIT WITH ALL REQUIRED LIGHTING CONTROLLER RELAYS ETS.
13. EXISTING LED LIGHTING FIXTURES IN CORRIDOR TO REMAIN. CONNECT TO THE NEW LIGHTING CONTROL SYSTEMS. CORRIDORS TO INSTALL DIMMING WITH EXISTING LED FIXTURES AND CHANGE TEMPERATURE TO 4000K.
14. ELECTRICAL CONTRACTOR TO PROVIDE CLASSROOM CONTROL PANEL'S SWITCH PLATE TO SUIT LIGHTING CONTROL BUTTON STATION(S) AND AND OTHER EXISTING CLASSROOM CONTROL PANEL DEVICES.
15. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL NEW LIGHTING FIXTURE AS REQUIRED NEW LAP CEILING RENOVATION AT STAIR A. CONNECT TO THE EXISTING CIRCUITS AND ALLOW EXTENDING CABLE AND CONDUITS.
16. IN THIS AREA AS NOTED, EXISTING BULKHEAD TO BE DEMOLISHED. THE NEW GYPSUM CEILING TO MATCH THE EXISTING BULKHEAD HIGHT AND DEMOLISH THE BULKHEAD.

**CUTTING, PATCHING AND PAINTING BY GC**

1. CUTTING AND PATCHING OF THE DRYWALL BY THE GC IS INCLUDED IN THE SCOPE OF WORK. GC TO CAREFULLY EXAMINE ALL THE LIGHTING FLOOR PLAN TO ALLOW FOR COMPLETE CUTTING PATCHING AND PAINTING WORK. FOR THE LIGHTING RETROFIT SCOPE .

The Contractor shall verify all dimensions prior to commencement of the work. All print and specifications are the property of the Architect and must be returned upon completion of the work.

**ISSUE OR REVISION**

No.	Description	Date
1	ISSUED FOR REVIEW	FEB 18, 2025
2	ISSUED FOR TENDER	MAR 13, 2025

**ASCENSION CES RENOVATION PROJECT**

5205 New Street,  
Burlington, Ontario, L7L 1V3  
HALTON CATHOLIC DISTRICT SCHOOL BOARD

PROFESSIONAL SEAL :



DWG TITLE :  
**PROPOSED LED LIGHTING RETROFIT SECOND FLOOR PLAN**



**REGAL CONSULTING ENGINEERS INC.**  
CONSULTING MECHANICAL & ELECTRICAL ENGINEERS  
208 Wycroft Road, Suite 200, Oakville, Ontario L6K 3S3  
PHONE: (905) 844-3913  
www.regal-eng.com

DATE : FEBRUARY 2025

SCALE : 1:100

DRAWN BY : AS

CHECKED BY : MA

DWG STATUS : TENDER

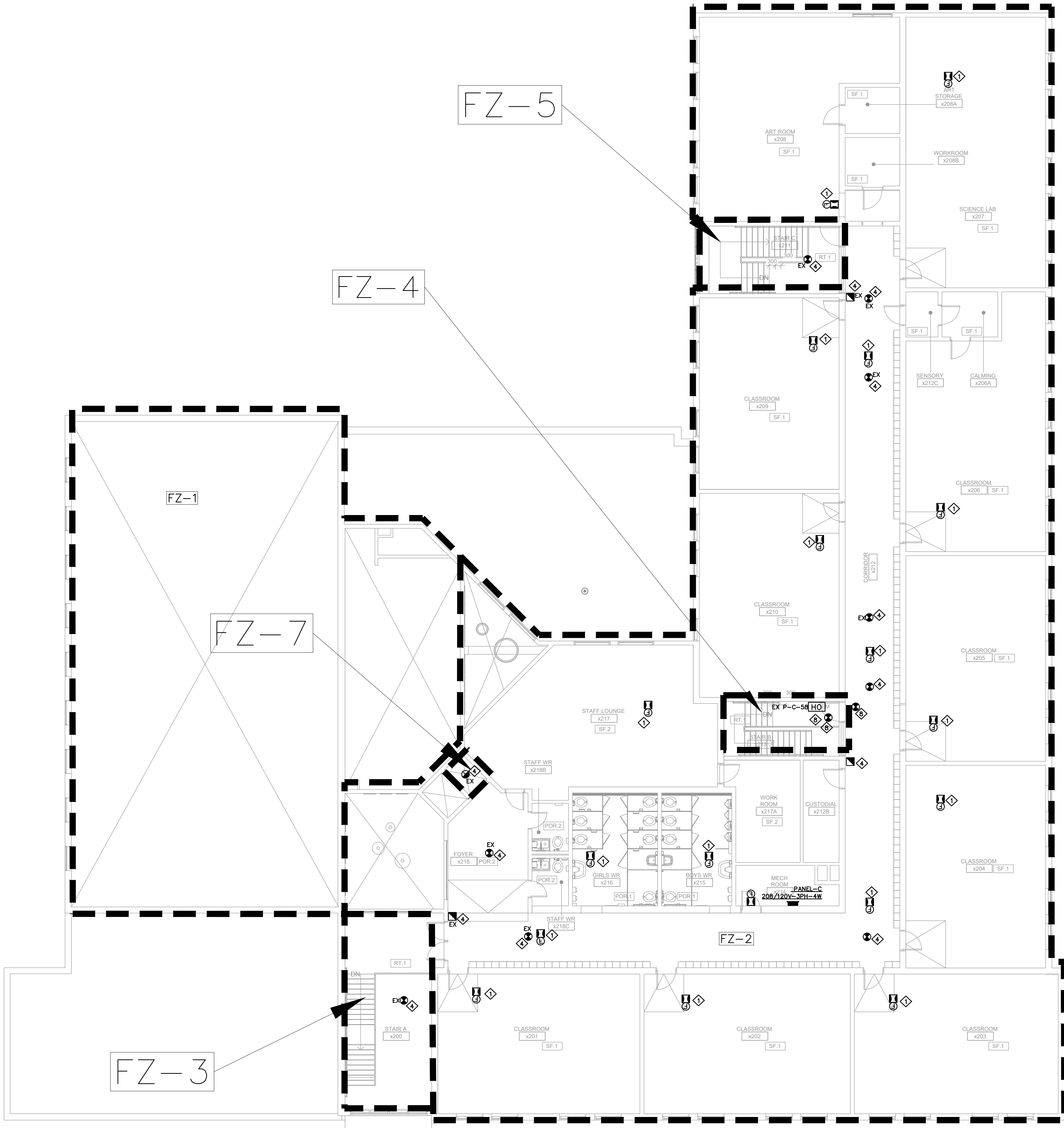
PROJECT No. : 2025-476

DRAWING No. : E3.1

REVISION

March 13, 2025 4:27:16 PM





LEGEND	
	MAIN ENTRANCE
	SECONDARY ENTRANCE
	MN. ELECT. PANEL
	ELEVATOR
	STAIRS
	FIRE ALARM HORN
	FIRE ALARM PULL STATION C/W LEXAN COVER & WITH A BATTERY BUZZER
	FLUSH WALL OR CEILING MOUNTED FIRE ALARM HORN & STROBE
	REMOTE TROUBLE BUZZER C/W VISUAL SIGNAL
	AUTOMATIC RATE OF RISE HEAT DETECTOR AT 135' F
	AUTOMATIC FIXED TEMPERATURE HEAT DETECTOR AT 157' F
	PHOTOELECTRIC TYPE SMOKE DETECTOR UNLESS NOTED OTHERWISE
	DUCT TYPE SMOKE DETECTOR WITH REMOTE ANNUNCIATOR
	FIRE ALARM SYSTEM REMOTE ANNUNCIATOR
	FIRE ALARM CONTROL PANEL
	RELAY BASE
	WIRE GUARD
	CARBON MONO-OXIDE DETECTOR
	DOOR HOLD OPEN DEVICE

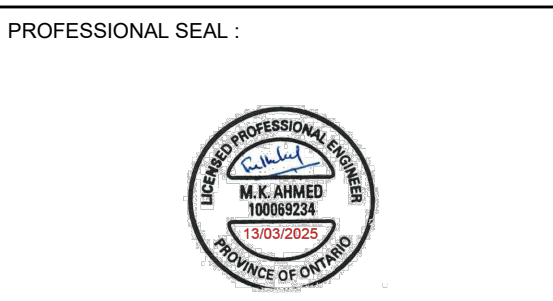
- PROPOSED NOTES:**
- 1 THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL NEW COMBINATION HORN/STROBE UNITS AS SHOWN ON THE ELECTRICAL DRAWINGS.
  - 2 THE CONTRACTOR SHALL PROVIDE A MINIMUM OF TWO (2) DAYS OF FIRE WATCH DURING THE REPLACEMENT PROCESS.
  - 3 ALL NEW FIRE ALARM HORN/STROBE UNITS SHALL BE CONNECTED TO THE EXISTING FIRE ALARM PANEL.
  - 4 THE EXISTING FIRE ALARM PANEL, FIRE ALARM ANNUNCIATOR, SMOKE DETECTORS, HEAT DETECTORS, AND FIRE ALARM PULL STATIONS SHALL REMAIN UNCHANGED.
  - 5 THE CONTRACTOR SHALL PERFORM ALL NECESSARY TESTING AND VERIFICATION TO ENSURE PROPER FUNCTIONALITY AND COMPLIANCE WITH APPLICABLE CODES AND STANDARDS.
  - 6 EXISTING FIRE ALARM PANEL ( EDWARDS).
  - 7 EXISTING FIRE ALARM ANNUNCIATOR ( EDWARDS).
  - 8 ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL NEW DOOR HOLD OPEN DEVICE AND FIRE ALARM SMOKE DETECTORS AS SHOWN ON THE ELECTRICAL DRAWINGS.
  - 9 FIRE EXTINGUISHER, FIRE HOUSE CABINET AND FIRE PROTECTION CONTROL VALVES TO REMAIN AS EXISTING.
  - 10 CONTRACTOR TO PROVIDE AND INSTALL NEW LAMACOID SIGNAGE (48" X 6") ON THE SAME LOCATION OF THE EXISTING. MATCH THE COLOR SCHEME OF EXISTING SIGNAGE.

- GENERAL NOTES:**
1. UPON COMPLETION AND APPROVAL OF THE NEW FIRE ALARM HORN/STROBE INSTALLATION, ALL ASSOCIATED WIRING AND CONDUIT SHALL REMAIN IN PLACE.
  2. ALL AFFECTED SURFACES SHALL BE REPAIRED AND PAINTED TO MATCH THE EXISTING FINISH.

The Contractor shall verify all dimensions prior to commencement of the work. All print and specifications are the property of the Architect and must be returned upon completion of the work.

ISSUE OR REVISION		
No.	Description	Date
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2	ISSUED FOR TENDER	MAR 13, 2025

PROJECT: **ASCENSION CES RENOVATION PROJECT**  
 5205 New Street,  
 Burlington, Ontario, L7L 1V3  
 HALTON CATHOLIC DISTRICT SCHOOL BOARD

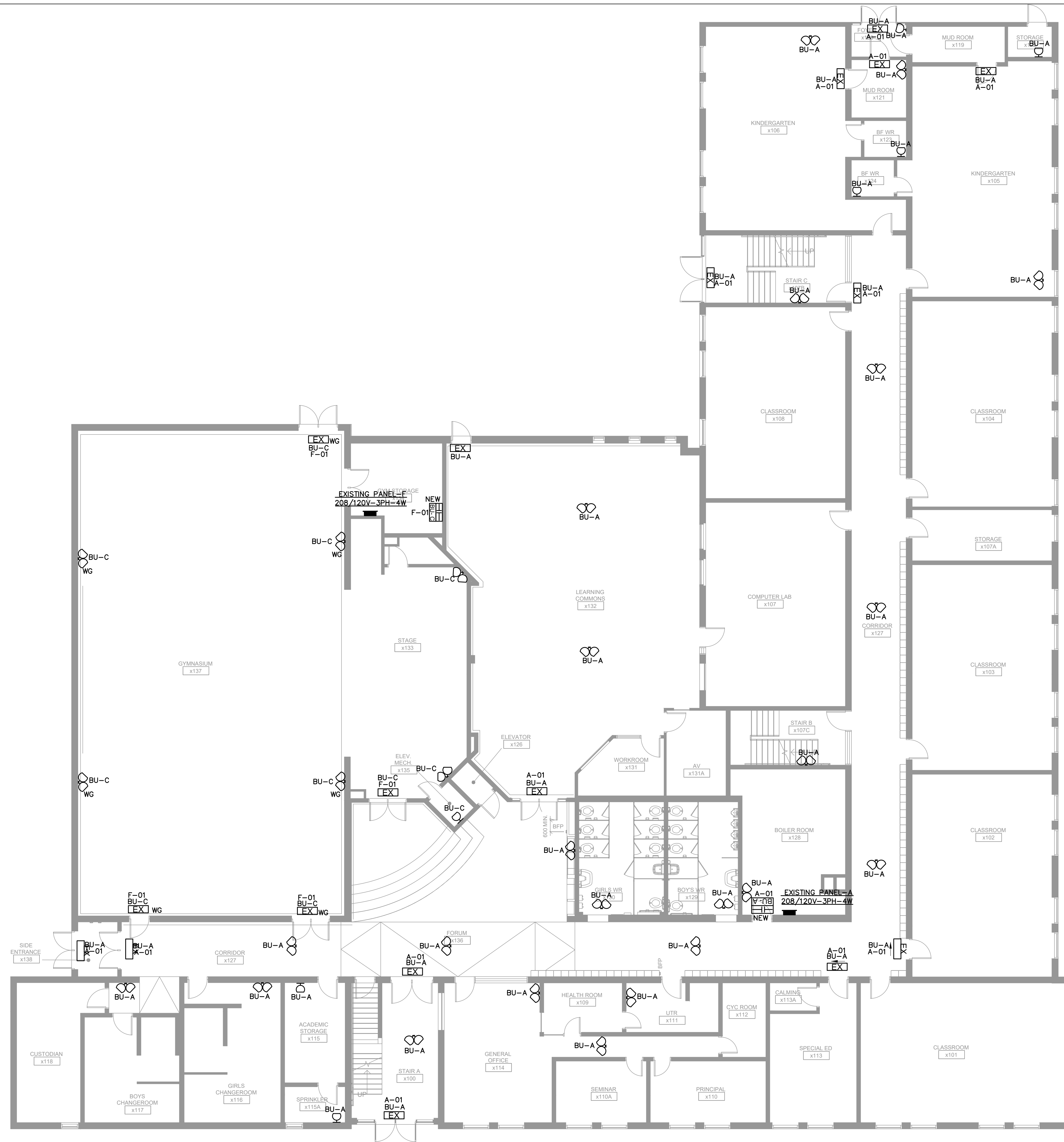


DWG TITLE:  
**PROPOSED FIRE ALARM  
 SECOND FLOOR PLAN**



DATE:	FEBRUARY 2025
SCALE:	1:100
DRAWN BY:	AS
CHECKED BY:	MA
DWG STATUS:	TENDER
PROJECT No.:	2025-476
DRAWING No.:	E3.3
REVISION:	

March 13, 2025 4:27:45 PM  
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LEGEND	
	EXIT SIGN
	EMERGENCY LIGHTING FIXTURE
	BATTERY UNIT

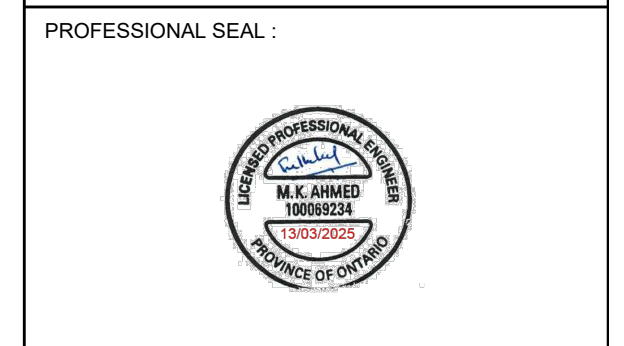
- NOTES:**
- CONTRACTOR TO INSTALL THE NEW EXISTING SIGNS IN THE T BAR CEILING WITH T BAR HANGER AND CHAIN SUPPORT FROM THE JOIST.
  - ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL NEW EMERGENCY LIGHTINGS AS SHOWN.
  - ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL NEW BATTERY UNITS AS SHOWN ON THE ELECTRICAL DRAWINGS.
  - ELECTRICAL CONTRACTOR TO CONNECT ALL NEW EMERGENCY LIGHTING FIXTURES, EXIT SIGNS TO THE NEW BATTERY UNITS.
  - THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY WIRING, CONDUIT, AND CONNECTIONS REQUIRED FOR THE NEW EMERGENCY LIGHTING FIXTURES AND EXIT SIGNS, IN COMPLIANCE WITH APPLICABLE CODES AND STANDARDS.
  - THE CONTRACTOR SHALL ENSURE THAT ALL NEW EMERGENCY LIGHTING FIXTURES AND EXIT SIGNS ARE PROPERLY INTEGRATED WITH THE NEW BATTERY UNITS, ALLOWING FOR CONTINUOUS OPERATION DURING EMERGENCY CONDITIONS.

The Contractor shall verify all dimensions prior to commencement of the work. All print and specifications are the property of the Architect and must be returned upon completion of the work.

ISSUE OR REVISION		
No.	Description	Date
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2	ISSUED FOR TENDER	MAR 13, 2025

**ASCENSION CES RENOVATION PROJECT**

5205 New Street,  
Burlington, Ontario, L7L 1V3  
HALTON CATHOLIC DISTRICT SCHOOL BOARD



DWG TITLE:  
**PROPOSED EMERGENCY LIGHTINGS & EXIT SIGNS GROUND FLOOR PLAN**



DATE:	FEBRUARY 2025
SCALE:	1:100
DRAWN BY:	AS
CHECKED BY:	MA
DWG STATUS:	TENDER
PROJECT No.:	2025-476
DRAWING No.:	E3.4
REVISION:	

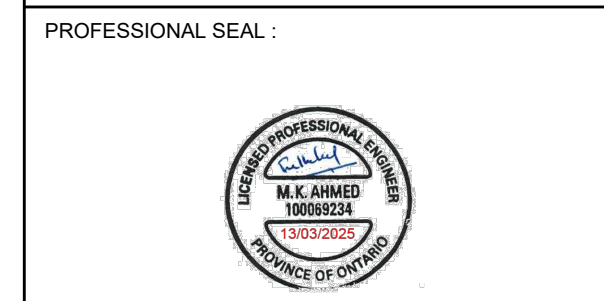
March 13, 2025 4:28:12 PM

The Contractor shall verify all dimensions prior to commencement of the work. All print and specifications are the property of the Architect and must be returned upon completion of the work.

ISSUE OR REVISION		
No.	Description	Date
1	ISSUED FOR REVIEW	FEB 18, 2025
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PROJECT:  
**ASCENSION CES RENOVATION PROJECT**

5205 New Street,  
Burlington, Ontario, L7L 1V3  
HALTON CATHOLIC DISTRICT SCHOOL BOARD



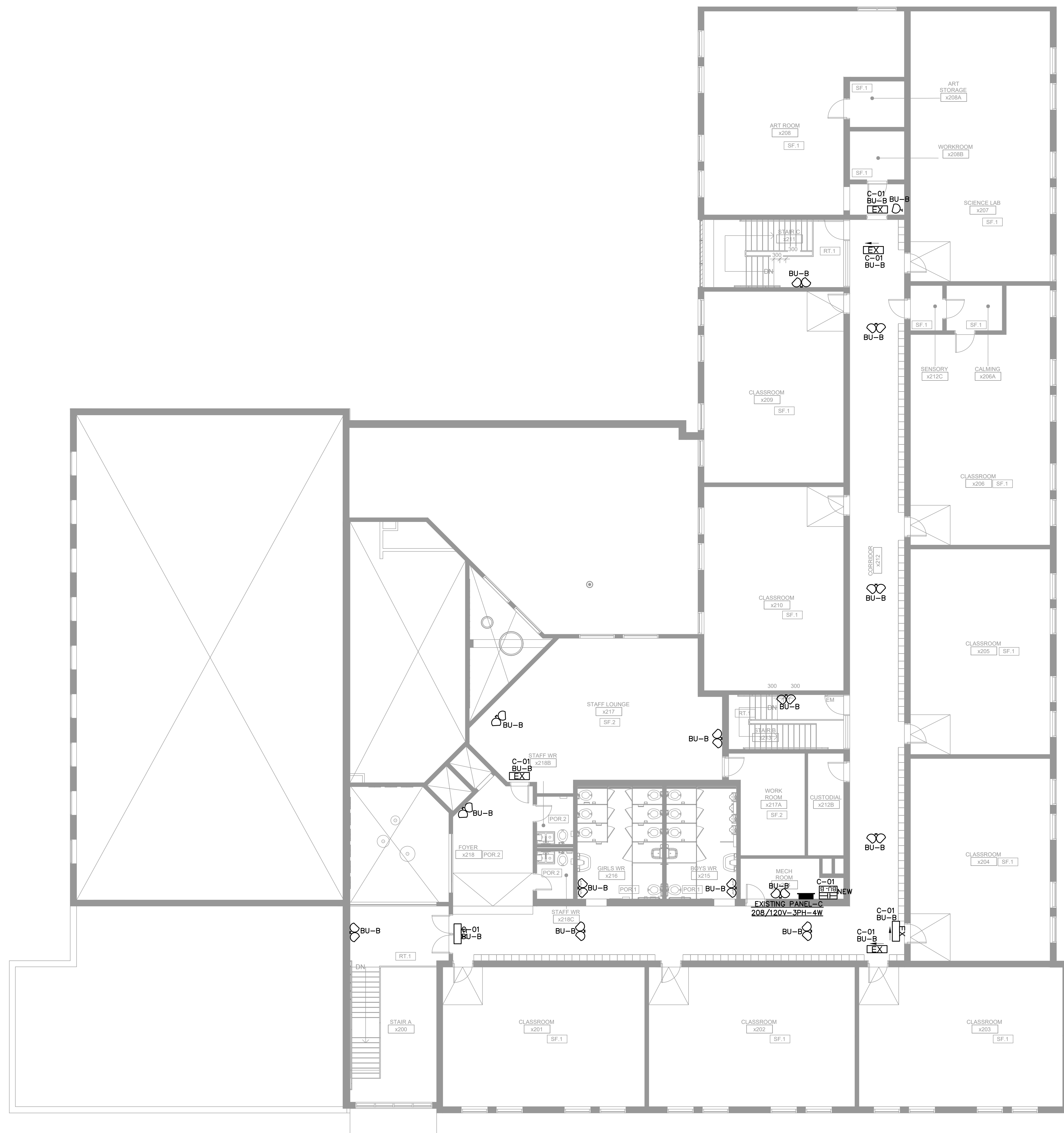
DWG TITLE:  
**PROPOSED EMERGENCY LIGHTINGS & EXIT SIGNS SECOND FLOOR PLAN**



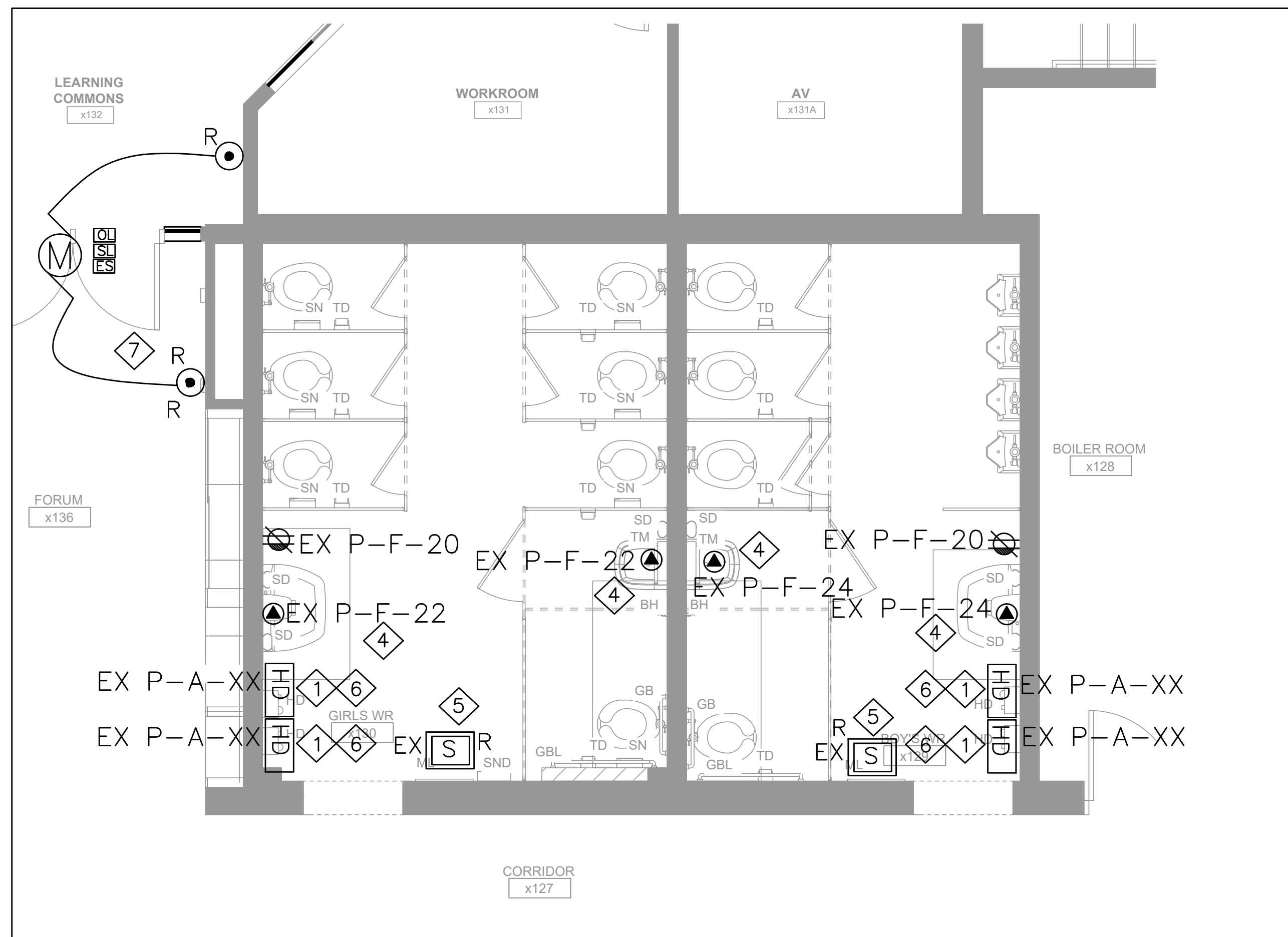
DATE:	FEBRUARY 2025
SCALE:	1:100
DRAWN BY:	AS
CHECKED BY:	MA
DWG STATUS:	TENDER
PROJECT No.:	2025-476
DRAWING No.:	E3.5
REVISION:	

LEGEND	
	EXIT SIGN
	EMERGENCY LIGHTING FIXTURE
	BATTERY UNIT

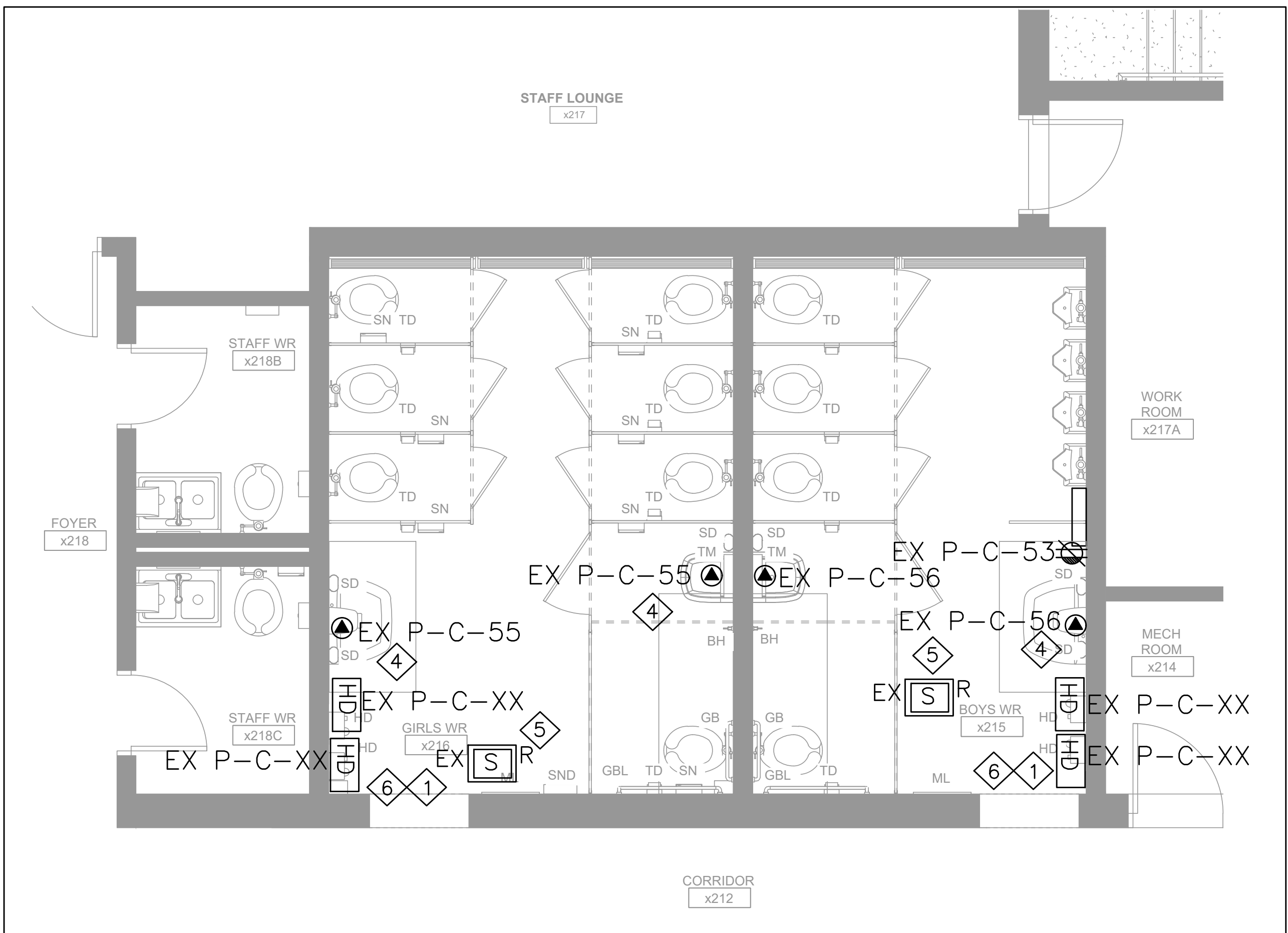
- NOTES:**
- CONTRACTOR TO INSTALL THE NEW EXISTING SIGNS IN THE T BAR CEILING WITH T BAR HANGER AND CHAIN SUPPORT FROM THE JOIST.
  - ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL NEW EMERGENCY LIGHTINGS AS SHOWN.
  - ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL NEW BATTERY UNITS AS SHOWN ON THE ELECTRICAL DRAWINGS.
  - ELECTRICAL CONTRACTOR TO CONNECT ALL NEW EMERGENCY LIGHTING FIXTURES, EXIT SIGNS TO THE NEW BATTERY UNITS.
  - THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY WIRING, CONDUIT, AND CONNECTIONS REQUIRED FOR THE NEW EMERGENCY LIGHTING FIXTURES AND EXIT SIGNS, IN COMPLIANCE WITH APPLICABLE CODES AND STANDARDS.
  - THE CONTRACTOR SHALL ENSURE THAT ALL NEW EMERGENCY LIGHTING FIXTURES AND EXIT SIGNS ARE PROPERLY INTEGRATED WITH THE NEW BATTERY UNITS, ALLOWING FOR CONTINUOUS OPERATION DURING EMERGENCY CONDITIONS.



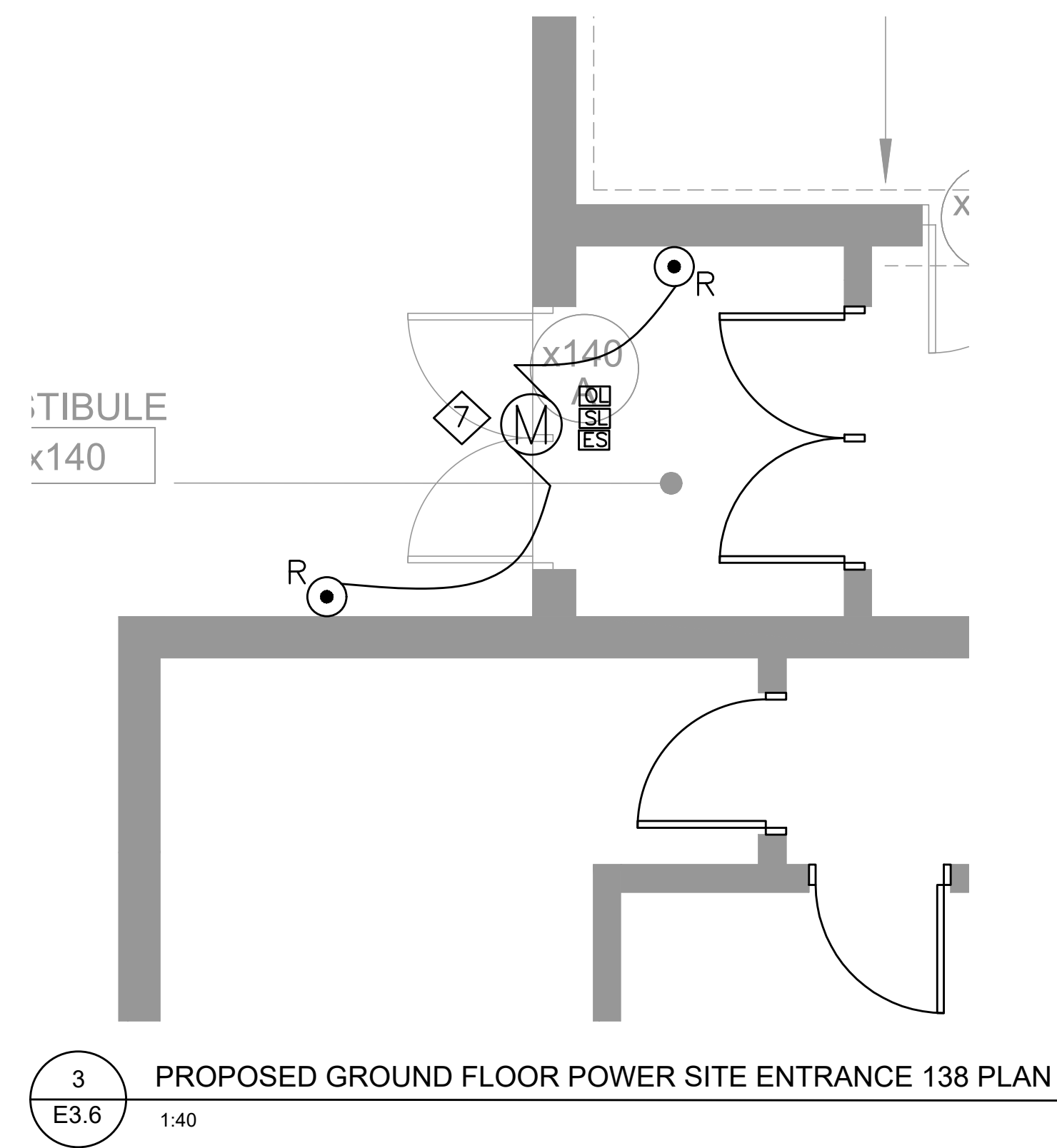
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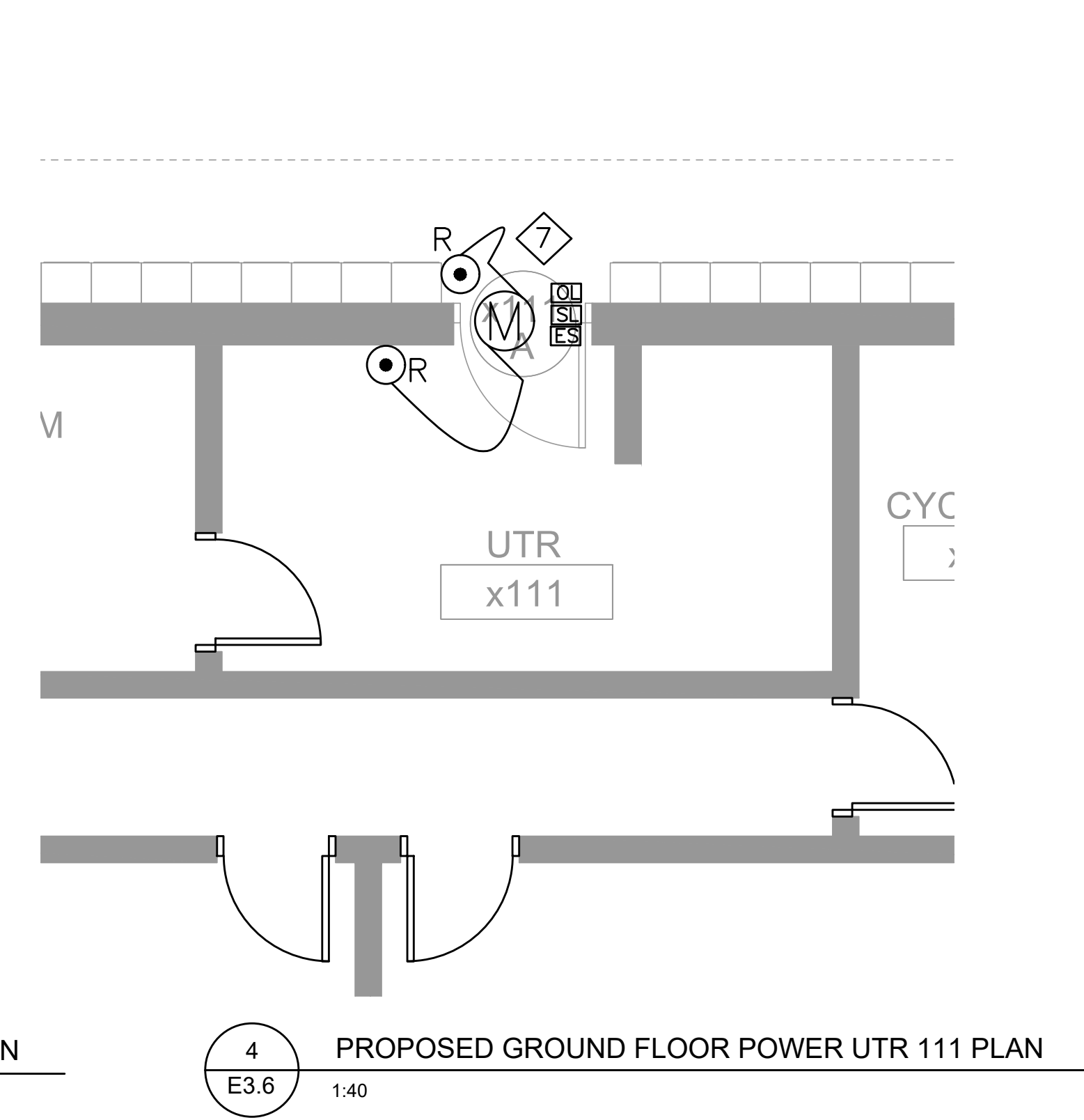
1 PROPOSED GROUND FLOOR POWER WASHROOM PLAN  
E3.6 1:40



2 PROPOSED SECOND FLOOR POWER WASHROOM PLAN  
E3.6 1:40



3 PROPOSED GROUND FLOOR POWER SITE ENTRANCE 138 PLAN  
E3.6 1:40



4 PROPOSED GROUND FLOOR POWER UTR 111 PLAN  
E3.6 1:40

PROPOSED POWER NOTES:

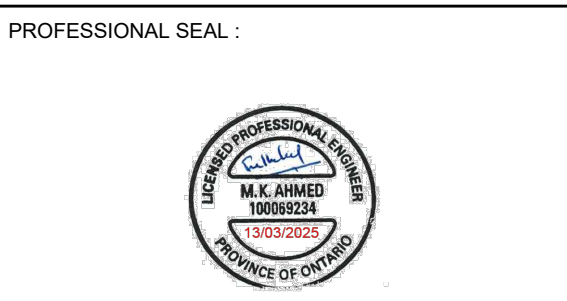
1. ELECTRICAL CONTRACTOR SHALL PROVIDE POWER TO THE HAND DRYERS FROM EXISTING CIRCUITS. PROVIDE AND INSTALL NEW CONDUITS AND CABLES FOR NEW HAND DRYERS.
2. PROVIDE STAINLESS STEEL COVER PLATES AS REQUIRED FOR ALL REDUNDANT OUTLET BOXES TO REMAIN IN EXISTING WALLS.
3. ELECTRICAL CONTRACTOR SHALL RE-INSTALL THE EXISTING CEILING MOUNTED SPEAKERS AFTER RENOVATION AS SHOWN ON THE ELECTRICAL DRAWINGS. ALLOW FOR EXTENDING CABLE CONDUITS. ALLOW FOR TESTING TO MAKE THE SYSTEM FULLY FUNCTIONAL.
4. ELECTRICAL CONTRACTOR SHALL PROVIDE POWER FOR THE WATER CLOSET AS SHOWN ON THE DRAWINGS. PROVIDE APPROPRIATE SIZE LOW VOLTAGE TRANSFORMER AND ALL WIRING REQUIRED TO MAKE THE AUTOMATIC WATER CLOSET OPERABLE AS PER MANUFACTURER INSTRUCTIONS. HIDE THE LOW VOLTAGE TRANSFORMER IN A JUNCTION BOX, CO-ORDINATE WITH THE MECHANICAL TRADE.
5. ELECTRICAL CONTRACTOR SHALL RELOCATE THE EXISTING CEILING MOUNTED SPEAKERS AFTER RENOVATION AS SHOWN ON THE ELECTRICAL DRAWINGS. ALLOW FOR EXTENDING CABLE CONDUITS. ALLOW FOR TESTING TO MAKE THE SYSTEM FULLY FUNCTIONAL.
6. HAND DRYER SPEC :EXCEL DRYER'S XLERATOR® HAND DRYER ( H-3887 STAINLESS ) NEW 50% LONGER MOTOR LIFE AND INDUSTRY BEST 7-YEAR WARRANTY. XLERATOR® FEATURES ADJUSTABLE SPEED, SOUND, AND HEAT CONTROLS, AS WELL AS AN EXTERNALLY VISIBLE SERVICE LED.
7. ELECTRICAL CONTRACTOR SHALL RELOCATE THE EXISTING DOOR OPERATOR AS REQUIRED NEW RENOVATION AS SHOWN ON THE ELECTRICAL DRAWINGS. ALLOW FOR EXTENDING CABLE CONDUITS. ALLOW FOR TESTING TO MAKE THE SYSTEM FULLY FUNCTIONAL.
8. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR ALL RELATED ELECTRICAL WORK. ENSURE PROPER CONNECTIONS FOR ANY MECHANICAL EQUIPMENT REQUIRING ELECTRICAL POWER.
9. ENSURE ALL WORK IS COMPLETED IN ACCORDANCE WITH THE ONTARIO ELECTRICAL SAFETY CODE (OESC) AND OTHER APPLICABLE REGULATIONS.

The Contractor shall verify all dimensions prior to commencement of the work. All print and specifications are the property of the Architect and must be returned upon completion of the work.

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PROJECT:  
**ASCENSION CES RENOVATION PROJECT**

5205 New Street,  
Burlington, Ontario, L7L 1V3  
HALTON CATHOLIC DISTRICT SCHOOL BOARD



DWG TITLE:  
**PROPOSED GROUND FLOOR POWER PLAN**



DATE:	FEBRUARY 2025
SCALE:	AS NOTED
DRAWN BY:	AS
CHECKED BY:	MA
DWG STATUS:	TENDER
PROJECT No.:	2025-476
DRAWING No.:	E3.6
REVISION:	

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