# ELECTRICAL DEMOLITION NOTES

- 1. THE ELECTRICAL CONTRACTOR SHALL, AS PART OF HIS WORK, PERFORM ALL RELATED DEMOLITION, MODIFICATIONS, RELOCATION OF ELECTRICAL DISTRIBUTION AND OTHER EQUIPMENT AND RELATED WORK, INCLUDING NEW WORK NECESSARY TO COMPLETE THE PROJECT.
- 2. ALL EXISTING FIELD CONDITIONS MAY NOT BE SHOWN ON THE DRAWINGS. THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND DIMENSIONS PRIOR TO SUBMITTING BIDS. REFER TO EXISTING DRAWINGS AND VISIT THE SITE TO DETERMINE THE EXTENT OF THE DEMOLITION AND NEW WORK REQUIRED. REQUEST FOR EXTRA WILL NOT BE CONSIDERED FOR FAILURE BY THE CONTRACTOR TO BECOME FAMILIAR WITH THE EXISITNG
- 3. THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL TECHNICAL DETAILS OF EQUIPMENT TO BE REMOVED. WHERE THERE IS A DISCREPANCY WITH THE TENDER DOCUMENTS, CONTRACTOR SHALL ENGAGE CONSULTANTS FOR DIRECTIONS. ELECTRICAL CONTRACTOR SHALL MAKE A LIST OF ALL EQUIPMENT TO BE REMOVED. THIS LIST SHALL BE WITH ALL FOLLOWING INFORMATION.
- \* MAKE/MODEL# \* MANUFACTURER
- \* TECHNICAL DETAILS
- \* LOCATION THIS LIST SHALL BE SUBMITTED TO THE OWNER FO RECORD PURPOSES.
- 4. THE ELECTRICAL CONTRACTOR SHALL NOT DISCONNECT EQUIPMENT AND ELECTRICAL CIRCUITS IN THE RENOVATION AREA OR ANY PART OF THE BUILDING WITHOUT PRIOR NOTIFICATION AND PERMISSION FROM THE OWNER. EXTREME CARE SHALL BE TAKEN TO MINIMIZE DISTURBANCE TO THE SURROUNDING AREA.
- 5. ITEMS REMOVED AND NOT SCHEDULED TO BE RELOCATED SHALL BE OFFERED TO THE OWNER FOR THEIR USE AND IF NOT ACCEPTED BY THE OWNER, THE ELECTRICAL CONTRACTOR SHALL DISPOSE OF THE MATERIAL FROM THE SITE IN ACCORDANCE WITH LOCAL REGULATIONS, THE ELECTRICAL CONTRACTOR SHALL DELIVER ITEMS ACCEPTED BY THE OWNER TO THE DESIGNATED LOCATIONS AS DIRECTED BY THE OWNER.
- 6. IN ALL CASES WHERE WORK IS REMOVED, THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY MATERIALS, EQUIPMENT AND LABOR TO SUSTAIN OPERATION OF ALL PARTS OF THE SYSTEMS CONNECTING TO OR FROM THE PART REMOVED, COMPLETING ALL WORK IN STRICT ACCORDANCE WITH APPLICABLE CODES.
- 7. ALL WIRING, CABLES AND FEEDERS INCLUDING BOTH CONNECTED TO DEVICES AND EQUIPMENT TO BE DEMOLISHED AND EXISTING THAT WERE ABANDONED IN PLACE SHALL BE REMOVED BACK TO THEIR SOURCES. UNLESS NOTED OTHERWISE, CONDUITS AND/OR WIRING SHALL, WHERE NECESSARY, BE RE-CIRCUIT AROUND THE REMOVED PART, KEEPING OCCUPIED PARTS OF THE BUILDING SYSTEM IN FULL SERVICE.
- 8. ALL EXISTING CONDUITS WHICH HAVE BEEN ABANDONED OR ARE UNUSED SHALL BE REMOVED.
- 9. PROVIDE BLANK METAL COVER PLATES FOR ALL JUNCTION/DEVICE BOXES NO LONGER IN USE THAT ARE EMBEDDED IN FLOOR SLAB OR MASONRY WALLS. PROVIDE PLUGS FOR ALL PANELS WHERE CONDUIT HAS BEEN REMOVED. COVER PLATES SHALL BE PAINTED TO MATCH EXISTING
- 10. WHERE REQUIRED COORDINATE WITH THE CONSULTANTS/OWNER FOR EXISTING PARTITIONS TO BE REMOVED TO FACILITATE WORK. DISCONNECT EXISTING BRANCH CIRCUITS SERVICING DEVICES IN PARTITIONS TO BE REMOVED. MAINTAIN CONTINUITY OF CIRCUITS SERVICING EXISTING DEVICES IN OTHER AREAS TO REMAIN.
- 11. <u>LIGHTING FIXTURES:</u> REMOVE LIGHTING FIXTURES AND SWITCH CONTROL WHEN THE FIXTURE TO BE REMOVED IS SERVED BY A CIRCUIT, THAT SUPPLIES FIXTURES IN OTHER, AREAS THAT ARE TO REMAIN, THE ELECTRICAL CONTRACTOR SHALL MAINTAIN THE CONTINUITY OF THE CIRCUIT TO THE REMAINING FIXTURES.
- 12. <u>POWER RECEPTACLES:</u> REMOVE RECEPTACLES. WHEN THE RECEPTACLE TO BE REMOVED IS SERVED BY A CIRCUIT THAT SUPPLIES RECEPTACLES IN OTHER AREAS, THAT ARE TO REMAIN, THE ELECTRICAL CONTRACTOR SHALL MAINTAIN THE CONTINUITY OF THE CIRCUIT TO THE REMAINING RECEPTACLES.
- 13. <u>FIRE ALARM SYSTEM:</u> COORDINATE AND CONSULT WITH CURRENT F/A SYSTEM SERVICE CONTRACTOR OR THEIR QUALIFIED REPRESENTATIVE FOR ALL FIRE ALARM DEMOLITION AND MODIFICATIONS. OPERATION SHALL BE MAINTAINED OF EXISTING FIRE ALARM SYSTEM SPECIFICALLY AS IT RELATES TO ADJACENT AREAS WHICH ARE NOT INCLUDED IN THE SCOPE OF THIS
- 14. ELECTRICAL CONTRACTOR SHALL PROVIDE UPDATED TYPE WRITTEN PANEL DIRECTORIES FOR ALL PANELS AFFECTED BY THE DEMOLITION AND/OR NEW WORK. CIRCUIT BREAKERS NOT USED FOR NEW WORK SHALL BE LABELED
- 15. FOR EXISTING DEVICES/CIRCUITRY THAT ARE INDICATED TO BE REMOVED BACK TO POINT OF ORIGIN-THESE ITEMS ARE TO BE REMOVED BACK TO POINT OF ORIGIN UNLESS THERE WILL BE EXISTING DEVICES ON THE SAME CIRCUIT THAT ARE LOCATED OUTSIDE AREA OF WORK THAT ARE TO REMAIN. IN THAT CASE, REMOVE THE EXISTING DEVICES/CIRCUITRY IN AREA OF WORK BACK TO THESE EXISTING DEVICES TO REMAIN. ALL DEVICES/CIRCUITRY IN SURROUNDING AREAS THAT ARE TO REMAIN ARE TO BE KEPT ENERGIZED. FOR REMOVAL OF CONDUIT AND WIRING OUTSIDE OF AREA OF WORK COORDINATE AND SCHEDULE WITH OWNER PRIOR TO PERFORMING WORK.

	: DISTRIBUTION SYSTEMS	FIRE ALAR	M SYSTEM	SECURITY	SYSTEM
	PANELBOARD (SURFACE MOUNT).		MANUAL PULL STATION C/W PROTECTIVE 9VDC BATTERY	ES	ELECTRIC DOOR STRIKE. SUPPLIED AND INSTALLED BY DOO
			OPERATED LEXAN COVER.		HARDWARE, WIRED BY DIVISION 16 CONTRACTOR.
	PANELBOARD (RECESSED MOUNT).	<b>⊘ ⊘</b> ×	HEAT DETECTOR. COMBINATION, FIXED 57°C AND RATE OF RISE. SUBSCRIPT 'X' INDICATES 88°C FIXED TEMPERATURE.	SCP	SECURITY CONTROL PANEL
<u> </u>	CONTACTOR.	<b>⊕ ⊕</b> x	HEAT DETECTOR. FIXED ONLY (57°C) SUBSCRIPT 'X' INDICATES	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	REQUEST TO EXIT BUTTON
	ENCLOSED BUS ASSEMBLY.	<b>66</b> ^	88°C RATING.	<u> </u>	AUTOMATIC DOOR OPERATOR.
	CABLE TRAY (LADDER OR TROUGH)	<b>⊘ ⊘</b> R	SMOKE DETECTOR. IONIZATION TYPE. SUBSCRIPT "R" INDICATES RELAY BASE.	ML	MAGNETIC DOOR LOCK.
<b>\$</b> ĸ	125V, 2-POSITION, MAINTAINED BARREL KEY SWITCH SWITCH EATON CUTLER-HAMMER MODEL MR22-WRS OR APPROVED			PD	LOW VOLTAGE POWER SUPPLY FOR THE DOOR STRIKE.
T.,	EQUAL, COMPLETE WITH STAINLESS STEEL COVER PLATE. ALL SWITCHES SHALL BE KEYED ALIKE.	0	120V LOCAL SMOKE ALARM CEILING MOUNTED. IONIZATION TYPE.	PL	PUSH-TO-LOCK BUTTON.
•	EMERGENCY POWER-OFF PUSHBUTTON (EPO)	X	120V LOCAL SMOKE ALARM WITH STROBE.	(P)	KEY PAD.
RECEPTAC	CLE/DIRECT CONNECTIONS		120V LOCAL SMOKE ALARM WITH STROBE.		CARD READER.
Ф	120V, 2P, 3W, 15A DUPLEX RECEPTACLE (CSA #5 SERIES).	$\otimes$	CARBON MONOXIDE/DIOXIDE DETECTOR.		AUTOMATIC DOOR OPERATOR ACTUATOR.
<u> </u>	120V, 2P, 3W, 15A DUPLEX (CSA #5 SERIES) RECEPTACLE				EGRESS MOTION DETECTOR.
₩	WITH USB CHARGING PORTS	×	COMBINATION SMOKE/CARBON MONOXIDE/STROBE.		
<b>4</b>	120V, 2P, 3W, 15A DUPLEX (CSA #5 SERIES) RECEPTACLE PRE-WIRED AND FACTORY INSTALLED IN MODULAR WALL SYSTEM	<b>├</b>	AIR DUCT TYPE SMOKE DETECTOR.		AUDIBLE ALARM (BUZZER)
*	120V, 2P, 3W, 15A FOUR PLEX (CSA #5 SERIES) RECEPTACLE PRE-WIRED AND FACTORY INSTALLED IN MODULAR WALL SYSTEM	Ø	REMOTE INDICATING LIGHT. SUBSCRIPT INDICATES FAN SYSTEM.		GLASS BREAK DETECTOR
<b>—</b>	120V, 2P, 3W, 15A SPLIT TYPE DUPLEX RECEPTACLE.		NEMOTE INDICATING LIGHT. SUBSCRIFT INDICATES TAN STSTEM.	M	SECURITY SYSTEM MONITORING STATION
			FIRE ALARM HORN.	PA	PANIC ALARM
\$	120V, 2P, 3W, 15/20A T-SLOT TYPE DUPLEX RECEPTACLE. CSA#5 SERIES. SUBSCRIPT "S" INDICATES SPLIT RECEPTACLE.		FIRE ALARM BELL.	$\Diamond$	MOTION DETECTOR.
#	120V, 2P, 3W, 15A FOUR PLEX RECEPTACLE 2. DUPLEXES	NS	FIRE ALARM STROBE	•	DOOR/WINDOW CONTACT.
8	UNDER COMMON PLATE).	F⊲	COMBINATION FIRE HORN/STROBE LIGHT.	EP	EMERGENCY CALL FOR ASSISTANCE SYSTEM PUSHBUTTON.
ф	125V, 2P, 3W SINGLE RECEPTACLE (CSA #5 SERIES).		SUPERVISED VALVE — SPRINKLER. SUBSCRIPT 'P' DENOTES		EMERGENCY CALL FOR ASSISTANCE SYSTEM ANNUNCIATOR
ш	125/250V, 3P, 4W SINGLE RECEPTACLE (CSA #14 SERIES).	(SV)	STANDPIPE.		MOUNTED DOME LIGHT.  EMERGENCY CALL FOR ASSISTANCE SYSTEM 120VAC/24VD0
	250VDC/600VAC, 3P, 4W SINGLE RECEPTACLE (CSA #L17 SERIES).	FS	SPRINKLER FLOW SWITCH.	PS	POWER SUPPLY
	120V, 2P, 3W, FLOOR MOUNTED DUPLEX RECEPTACLE (CSA #5	PS	SPRINKLER LOW PRESSURE SWITCH.		ALL MIRNIA CHARTES
	SERIES).	0	MAGNETIC DOOR HOLD OPEN DEVICE.		CAL WIRING SYSTEMS
<b>西</b> 曲	BENCH RECEPTACLES UNIT.		RECESSED FIRE ALARM SPEAKER (CEILING MOUNTED).	Ø	MECHANICAL EQUIPMENT/MOTOR.
<b>**</b>	SUSPENDED INDUSTRIAL POWER CORD REEL COMPLETE WITH		RECESSED FIRE ALARM SPEAKER AND STROBE (CEILING		DISCONNECT SWITCH (UNFUSED). SUBSCRIPT INDICATES SIZE
•	RECEPTACLES. SEE SPECIFICATION 26 27 19 FOR DETAILS.		MOUNTED).		SUBSCRIPT 'N' INDICATES COMPLETE WITH SOLID NEUTRAL.
<b>\times</b>	1 PHASE, 3W DIRECT CONNECTION (L, N, G) OR (L1, L2, G).	H(C)	FIRE ALARM SPEAKER (WALL MOUNTED).		DISCONNECT SWITCH (FUSED). SUBSCRIPT INDICATES FUSE SUBSCRIPT 'N' INDICATES COMPLETE WITH SOLID NEUTRAL.
	3 PHASE, 4W DIRECT CONNECTION (L1, L2, L3, G).	H <b>O</b>	FIRE ALARM SPEAKER AND STROBE (WALL MOUNTED).	□□P	MANUAL STARTER COMPLETE WITH PILOT LIGHT.
0	3 PHASE, 5W DIRECT CONNECTION (L1, L2, L3, N, G).		CUREAGE FIRE MARK CREAKER (OFFINIO MOUNTER)		MAGNETIC STARTER.
<b>(A)</b>	1 PHASE, 4W DIRECT CONNECTION (L1, L2, N, G).	(F)	SURFACE FIRE ALARM SPEAKER (CEILING MOUNTED).		COMBINATION MAGNETIC STARTER.
PP	POWER AND COMMUNICATION PAC-POLE.	Ø	SURFACE FIRE ALARM SPEAKER AND STROBE (CEILING MOUNTED).		TIME SWITCH.
	CEILING SPACE MOUNTED 1 PHASE, 3W DIRECT CONNECTION	FH	FIREFIGHTER HANDSET.	TS	
JB	(L, N, G) FOR HANDS-FREE WASHROOM PLUMBING FIXTURES. REFER TO FLOOR PLANS FOR DETAILS.		FIRE ALARM ZONE DEMARCATION	(T)	THERMOSTAT
	WALL MOUNTED HAND DRYER. COMAC BLAST SERIES, MODEL C-200000000, WHITE FINISH, 120V, 1450 WATTS OR APPROVED	F.A.Z.1.	FIRE ALARM ZONE. NUMBER INDICATES ZONE NUMBER.	<u>ss</u>	SPEED SWITCH
	EQUALS FROM EXCEL DRYERS, XLERATOR SERIES OR WORLD DRYERS, NOVA SERIES.			B	GAS SUPPLY SOLENOID VALVE EMERGENCY POWER SHUT—( PUSHBUTTON
HD	MOUNTING HEIGHTS FROM BOTTOM EDGE OF DRYERS:	<u> </u>	FIRE RATED ROLLING COIL DOOR BY GENERAL CONTRACTOR		
	UNIV. WASHROOMS: 900mm ABOVE FINISHED FLOOR     GIRLS CHANGEROOMS: 1120mm ABOVE FINISHED FLOOR	AUDIO VIS	UAL SYSTEM		CEILING MOUNTED DESTRATIFICATION FAN
	3. BOYS CHNAGEROOMS: 1150mm ABOVE FINISHED FLOOR	PR	SHORT WALL PROJECTOR.		
	NON-METALIC SURFACE RACEWAY COMPLETE WITH RECEPTACLES AND COMMUNICATION CABLING OUTLETS. SEE FLOOR PLANS FOR	⅌	TELEVISION OUTLET.	TYPICAL	CIRCUIT NUMBER IDENTIFICATION
	TYPES AND QUANTITIES OF RECEPTACLES AND COMMUNICATION CABLING OUTLETS AND EXACT RACEWAY LENGTH.	COMMUNIC	CATION SYSTEMS	BB−1 <b>Å</b>	
	MOUNT AT 450mm AFF TO CENTRE OF RACEWAY UNLESS INDICATED OTHERWISE ON PLANS. SEE SPECIFICATION SECTION 26 27 19 FOR DETAILS.		COMMUNICATION OUTLET. PROVIDE A SINGLE GANG OUTLET BOX		'1" INDICATES CIRCUIT NUMBER 1
			COMPLETE WITH A 27mm (1") CONDUIT AND TWO (2) COMMUNICATION CABLES, JACKS AND FACEPLATE, UNLESS		BB" INDICATES PANEL "LP-BB"
	INDICATES ONE (1) 15A 120V DUBLEY RECEPTAGES WITH TWO		INDICATED OTHERWISE ON PLANS.		
	INDICATES ONE (1) 15A, 120V DUPLEX RECEPTACLE WITH TWO		1	1	
	(2) USB PORTS AND ONE (1) COMMUNICATION CABLE OUTLET		SAME AS ABOVE, EXCEPT FLOOR MOUNTED.		
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MISCELLANEOUS ABBREVIATIONS/SUBSCRIPTS/SYMBOLS - MOUNTING HEIGHT FOR DEVICES ABOVE COUNTER/SINK MILLWORK TO BE 1020mm FROM TOP OF DEVICE TO A.F.F. (UNLESS NOTED 3P+N - 3 POLE & UNSWITCHED NEUTRAL. AFF - ABOVE FINISHED FLOOR. BENCH MOUNTED. - CEILING SPACE MOUNTED. CL CONTROLLED LOAD. - WATER BOTTLE REFILLING STATION/DRINKING - WITH DISCONNECT AND VISIBLE ISOLATION. EXP/EP EXPLOSION PROOF. FLOOR MOUNTED. - GROUND FAULT CIRCUIT INTERRUPTER. - HOUSEKEEPING RECEPTACLE. ISOLATED GROUND TYPE. MOUNTING HEIGHT. NIGHT LIGHT - SURGE SUPRESSION TYPE DEVICE. - LOCKING TYPE (TWISTLOCK). MOUNT IN VERTICAL FACE. WG WIREGUARD. WEATHERPROOF TYPE. MOUNT 42" (1065mm) A.F.F. PTZ PAN, TILT, ZOOM EXISTING TO REMAIN. EXISTING TO BE RELOCATED. RELOCATED AT NEW LOCATION.

	DRAWING LIST
DWG No.	DRAWING TITLE
E000	ELECTRICAL SYSTEMS LEGEND DEMO NOTES AND DRAWING LIST
E001	LIGHTING LEGEND AND FIXTURES SCHEDULE
E100	LEVELS 0 AND 1 KEY PLANS
E200	LEVEL 0 & 1 LIGHTING DEMOLITION PLANS
E201	LEVEL 0 & 1 LIGHTING RENOVATION PLANS
E300	LEVEL 0 & 1 POWER & SYSTEMS DEMOLITION PLANS
E301	LEVEL 0 & 1 POWER & SYSTEMS RENOVATION PLANS
ME100	MECHANICAL AND ELECTRICAL SCHEDULES

- EXISTING TO BE REPLACED WITH NEW.

- MOUNTED IN MILLWORK TOE SPACE.

EXISTING TO BE REMOVED.

**Halton District School Board** 2050 Guelph Line Burlington, Ontario

# T.A. BLAKELOCK H.S. RENOVATION

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Architect

Consultants

Structural Consultants Kalos Engineering Inc. 875 Main St, W. Unit 3 Hamilton, Ontario, L8S 4P9 Tel: 905-333-9119

Mechanical and Electrical Consultants 1266 S. Service Rd, Stoney Creek, Ontario, L8E 5R9 Tel: 905-525-6069

Revisions 4 ISSUED FOR BIDS 2024.04.09 3 ISSUED FOR BUILDING PERMIT 2024.03.21

Key Plan N.T.S.

**ELECTRICAL SYSTEMS** LEGEND DEMO NOTES AND DRAWING LIST

General Contractor shall check and verify all dimensions and report all errors and omissions to the Architect. Do not scale the drawings. Drawings shall not be used for construction purposes until issued by the

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2 ISSUED FOR PROGRESS 1 ISSUED FOR PROGRESS

2024.02.23

2024.02.15

	LIGHTING FIXTURE SCHEDULE	FIXTURE SCHEDULE NOTES	GENERAL NOTES	ABBREVIATIONS	LIGHTING LEGEND
TYPE A  A-EB B B-EB C C-EB LP24 LP24 LP24-EB LP12	DESCRIPTION  DESCRIPTION  DESCRIPTION  DESCRIPTION  A 610mm X 1220mm RECESSED LED VOLUMETRIC LUMINAIRE 120V, 5073LM, 4000K, 80-4CRI, 35W O-10V DIMMING DRIVER SMOOTH FROSTED ACRYLC LENS WHITE FINISH FOR ACT OR DRYWALL CEILING INSTALLATION. REFER TO ARCHITECTURAL REFILCIPE CEILING PLANS METALUX CRUZE SERNES  SAME AS TYPE 'A', EXCEPT COMPLETE WIH 10 WAIT EMERGENCY BATTERY PACK WITH INTEGRAL TEST SWITCH.  305mm X 1220mm RECESSED LED VOLUMETRIC LUMINAIRE 120V, 3900LM, 4000K, 80-4CRI, 26.5W O-10V DIMMING DRYER SMOOTH FROSTED ACRYLIC LENS WHITE FINISH FOR ACT CEILING INSTALLATION METALUX CRUZE SERIES  SAME AS TYPE 'B', EXCEPT COMPLETE WIH 7 WAIT EMERGENCY BATTERY PACK WITH INTEGRAL TEST SWITCH.  256mm W x 1220mm L x 86mm D, SURFACE LED WRAP LUMINAIRE 120V, 5378LM, 4000K, 80 CRI, 38.2W O-10V DIMMING DRIVER SMOOTH FROSTED RIBBEDC POLYCARBONATE LENS WHITE FINISH METALUX ACHIEVA, WRAP SELECTABLE SERIES  SAME AS TYPE 'B', EXCEPT COMPLETE WIH 7 WAIT EMERGENCY BATTERY PACK WITH INTEGRAL TEST SWITCH.  2440mm LONG DIRECT/INDIRECT LINEAR LED PENDANT 120V, 5030LM, 4000K, 80CRI O-010V DIMMING DRIVER WITH INTEGRAL TEST SWITCH.  2440mm LONG DIRECT/INDIRECT LINEAR LED PENDANT 120V, 5030LM, 4000K, 80CRI O-010V DIMMING DRIVER HITTE FINISH AIRCRAFT SUSPENSION CABLES WITH UNDERSIDE OF FIXTURE AT 3000mm ABOVE FINISH FLOOR. CONFIRM EXACT SUSPENSION CABLES LENGTH ON SITE PRIOR TO ORDERING. COOPER LIGHTING, CORELITE CTA-LED SERIES  SAME AS TYPE 'LP24', EXCEPT COMPLETE WITH 10 WAIT EMERGENCY BATTERY PACK WITH INTEGRAL TEST SWITCH.  SAME AS TYPE 'LP24', EXCEPT COMPLETE WITH 10 WAIT EMERGENCY BATTERY PACK WITH INTEGRAL TEST SWITCH.  SAME AS TYPE 'LP24', EXCEPT COMPLETE WITH 10 WAIT EMERGENCY BATTERY PACK WITH INTEGRAL TEST SWITCH.	GENERAL  A. APPROVED EQUAL PRODUCTS MUST BE CAPABLE OF PROVIDING THE SAME LEVEL OF PERFORMANCE, INCLUDING CONTROL CAPABILITY, AS THE NAMED DESIGN PRODUCT. PRODUCTS OTHER THAN THOSE LISTED WILL BE CONSIDERED. SUBMIT PRODUCT DATA IN ACCORDANCE WITH THE 'LIGHTING' SECTION OF THE ELECTRICAL SPECIFICATION DOCUMENTS.  B. COLOR QUALITY: INTERIOR LIGHTING SHALL HAVE AN R9 VALUE OF 50 OR BETTER.  C. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT THE PRODUCTS SUPPLIED AND INSTALLED ARE COMPATIBLE WITH THE LIGHTING CONTROL SYSTEM ANNUFACTURER A COPY OF ALL DRAWINGS AND SCHEDULES.  D. PACKAGES FROM THE FOLLOWING AGENCIES WILL BE CONSIDERED:  - MEDGAR LCI (905) 312-1213  - RUTENBERG SALES (905) 848-2255  - SALEX (416) 293-2290  - WSC LIGHTING SYSTEMS (519) 652-9060  PRODUCTS  1. FINISH COLOR SHALL BE SELECTED BY ARCHITECT DURING SHOP DRAWING REVIEW.  2. PROVIDE TOTAL RUN LENGTHS AS SHOWN ON DRAWINGS IN LINEAR FEET (LF).  3. INTEGRAL BATTERY SHALL COMPLY WITH ALL APPLICABLE UL, CSA AND NATIONAL CODES AND THE RATED LIFE SHALL MATCH OR EXCEED THE RATED LIFE OF THE LED DRIVER. PICTURE SHALL BE SUPPLIED AND INSTALLED COMPLETE WITH A CHARGE INDICATOR LIGHT AND TEST SWITCH TEST SWITCH MAY BE EITHER INTEGRAL BUTTON TYPE OR REMOTE CONTROL IF REMOTE CONTROL, ONE CONTROLLER SHALL BE PERMANENTLY MOUNTED IN EACH SPACE WHERE THE FIXTURE IS INSTALLED.  4. REMOTE POWER SUPPLIES SHALL BE SUPPLIED AND INSTALLED IN ACCORDANCE WITH THE CORRESPONDING FIXTURE MANUFACTURER'S RECOMMENDATIONS.	1. ALL INFORMATION PROVIDED ON THIS SHEET MAY NOT BE IMPLEMENTED INTO THE PROJECT.  2. REFER TO FRYTURE SPECIFICATIONS FOR COMPLETE FIXTURE INFORMATION.  3. REFER TO FATURE MOUNTING DETAIL SHEETS FOR SPECIFIC MOUNTING CONDITIONS.  4. CONTRACTOR TO PROVIDE POWER SUPPLIES AND/OR DRIVERS FOR ALL FIXTURES SPECIFIED WITH REMOTE CONTROL GEAR. ALL REMOTE MOUNTED CONTROL GEAR SHALL BE MOUNTED OUT OF VIEW OF GUESTS.  5. CONTRACTOR TO CONFIRM ALL REMOTE CONTROL GEAR LOCATIONS WITH LANDSCAPE OR FACILITY ARCHITECT.  6. CONTRACTOR TO VERIFY EXACT MOUNTING LOCATION OF ALL ACCENT LIGHTS IN FIELD WITH LIGHTING DESIGNER.  7. UNLESS OTHERWISE INDICATED, ALL MOUNTING BOXES FOR LIGHTING FIXTURES MOUNTED TO FACADES TO BE RECESSED INTO STRUCTURE. COORDINATE JBOX LOCATION WITH OTHER TRADES.  8. INFORM CONSTRUCTION MANAGER IN WRITING IN A TIMELY WAY OF ANY DISCREPANCIES DISCOVERED.  9. CONTRACTOR TO VERIFY CONDITIONS ON WHICH THIS WORK DEPENDS IN OTHER ISSUED CONSTRUCTION DRAWINGS AND ON SITE SUCH AS BUT NOT LIMITED TO:  1. DIMENSIONS  1. LEVELS  1. MATERIALS  2. DETAILS  1. AVAILABILITY OF REQUIRED UTILITIES	ABV ABOVE AFF ABOVE FINISH FLOOR AFG ABOVE FINISH GRADE ADJ ADJUSTABLE ARCH ARCHITECTURAL BLDG BUILDING BO BY OTHERS BOT BOTTOM BEL BELOW CLG CEILING CONSTR CONSTRUCTION CONTR CONTRACTOR CONT CONTRUOUS E EAST EL ELEVATION ELEC ELECTRICAL EQ EQUAL EXT EXTERIOR FL FLOOR FLUOR FLUORESCENT FT FOOT OR FEET GC GENERAL CONTRACTOR GND GROUND GR GRADE HGT HEIGHT HORIZ HORIZONTAL ID INSIDE DIAMETER IN INCH INFO INFORMATION INT INTERIOR L LENGTH LT LIGHT MFG MANUFACTURER N NORTH NL "NICH LIGHT" (LE. UNSWITCHED) NO NUMBER NOM NOMINAL NTS NOT TO SCALE OC ON CENTER OD OUTSIDE DIAMETER OFOI OWNER FURNISHED OWNER INSTALLED OPP OPPOSITE OVHD OVERHEAD REV REVISION RCP REFLECTED CEILING PLAN S SOUTH SCHED UNLESS OTHERWISE NOTED W WEST, WIDTH, OR WOOD W// WITHOUT WP WATERPROOF	ONE DATIGHT SENSOR.  → PC PROTOCEL (OUTDOOR DATIGHT SENSOR).  → PC PROTOCEL (OUTDOOR DATIGHT SENSOR).  → PROTOCEL (OUTDOOR DATIGHT SENOR.)  → PROTOCEL (
					<u> </u>

# T.A. BLAKELOCK H.S. RENOVATION

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w w w . s n y d e r a r c h i t e c t s . c a

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Structural Consultants Kalos Engineering Inc. 875 Main St, W. Unit 3 Hamilton, Ontario, L8S 4P9 Tel: 905-333-9119

Mechanical and Electrical Consultants **EXP** 1266 S. Service Rd, Stoney Creek, Ontario, L8E 5R9 Tel: 905-525-6069

No. Revisions 3 ISSUED FOR BIDS 2 ISSUED FOR BUILDING PERMIT 2024.03.21 1 ISSUED FOR PROGRESS 2024.02.15 General Contractor shall check and verify all dimensions and report all errors and omissions to the Architect. Do not scale the drawings. Drawings shall not be used for construction purposes until issued by the Architect for construction.

Key Plan N.T.S.

Drawing Title:
LIGHTING LEGEND AND FIXTURES SCHEDULE

05/01/2023 T.T. Checked by: J.P. 2215B E001



## GENERAL NOTES

1. COORDINATE ALL REQUIRED POWER SHUT-DOWNS WITH THE SCHOOL BOARD. PROVIDE A ONE (1) WEEK NOTICE PRIOR TO ANY SHUT-DOWN AND PERFORM ALL REQUIRED WORK OUTSIDE OF REGULAR SCHOOL HOURS OF OPERATION AND OR ON WEEKENDS AND AT PREMIUM TIME.

## DRAWING NOTES

EXISTING FIRE ALARM SYSTEM CONTROL PANEL EST MODEL 3X-SFS1. REFER TO SPECIFICATION SECTION 28 31 00 AND DRAWINGS.

EXISTING IT ROOM COMPLETE WITH EXISTING RACK AND EQUIPMENT. RUN ALL NEW STRUCTURE CABLES TO THIS CLOSET AND CONNECT TO EXISTING PATCH PANELS OR PROVIDE NEW PATCH PANELS AS REQUIRED AND MOUNT ONTO EXISTING RACK TO ACCOMODATE ALL NEW ADDED CABLES. CONFIRM EXACT EXISTING CONDITIONS ON SITE. REFER TO SPECIFICATION SECTION Client
Halton District School Board

2050 Guelph Line Burlington, Ontario

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Key Plan N.T.S.





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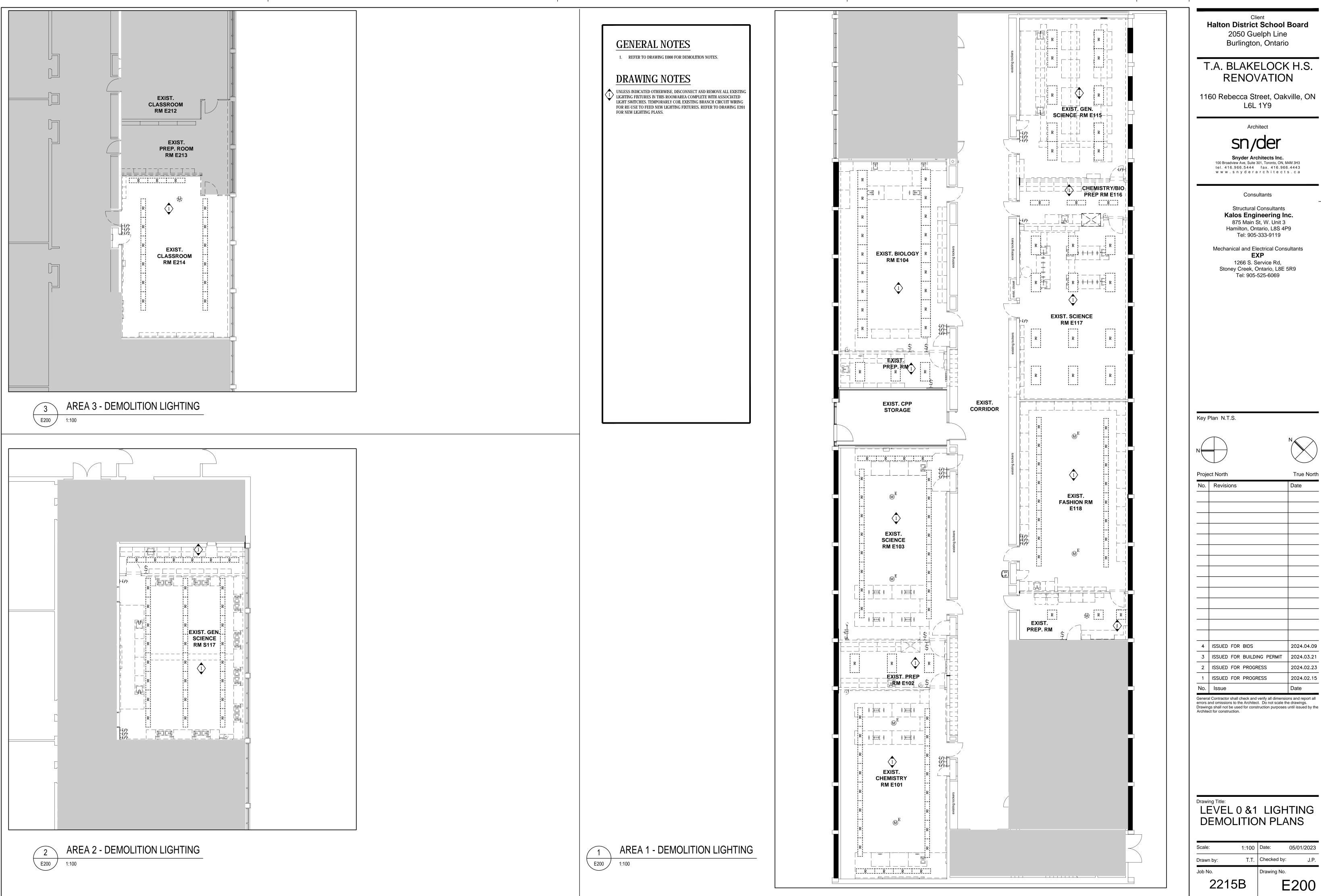
Drawing Title:

LEVELS 0 AND 1 KEY PLANS

AS NOTED Date: 05/01/2023 T.T. Checked by:

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2215B



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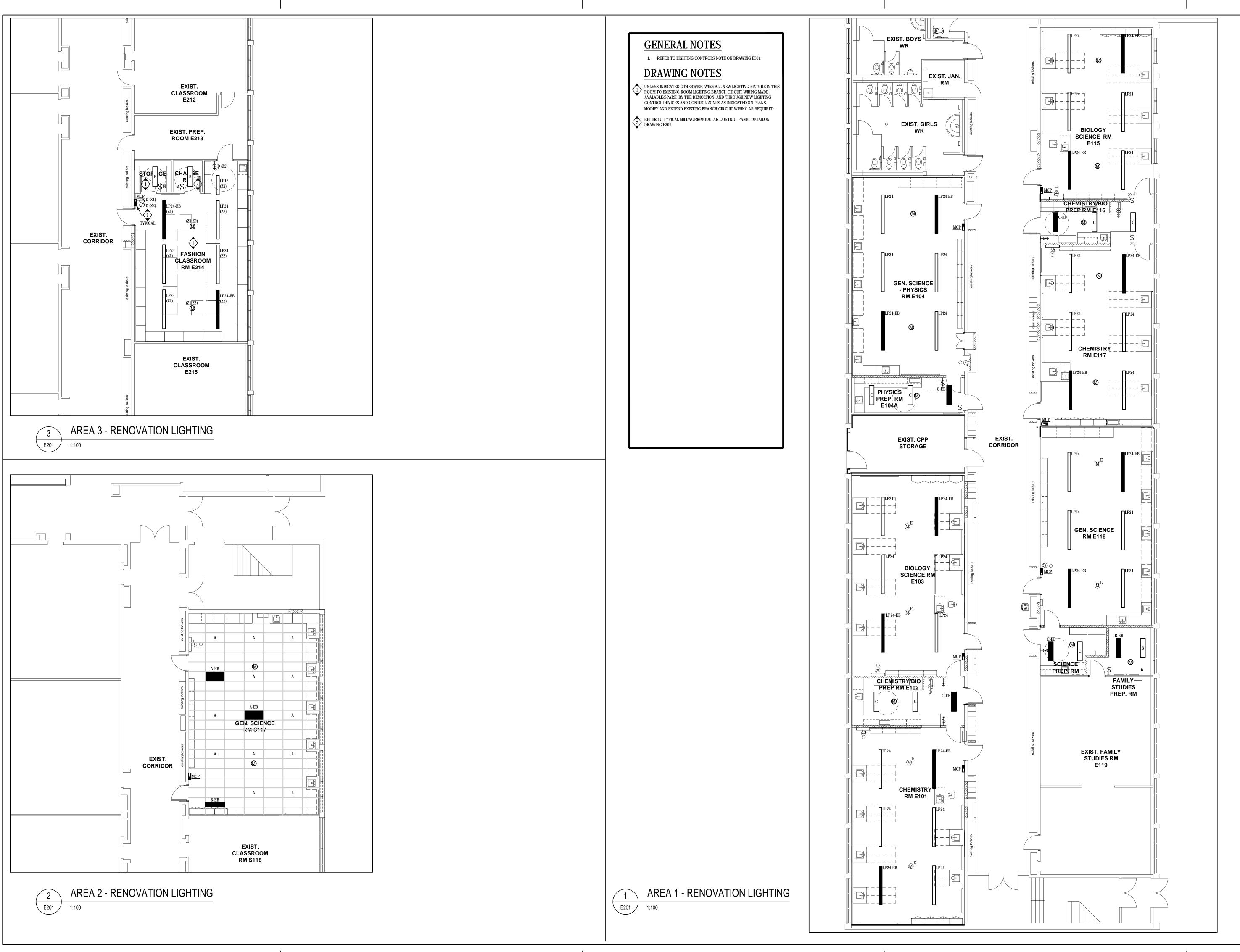
Mechanical and Electrical Consultants 1266 S. Service Rd, Stoney Creek, Ontario, L8E 5R9 Tel: 905-525-6069

Key Plan N.T.S.

4 ISSUED FOR BIDS 2024.04.09 3 ISSUED FOR BUILDING PERMIT 2024.02.23 2 ISSUED FOR PROGRESS 2024.02.15 1 ISSUED FOR PROGRESS

1:100 Date: 05/01/2023 T.T. Checked by:

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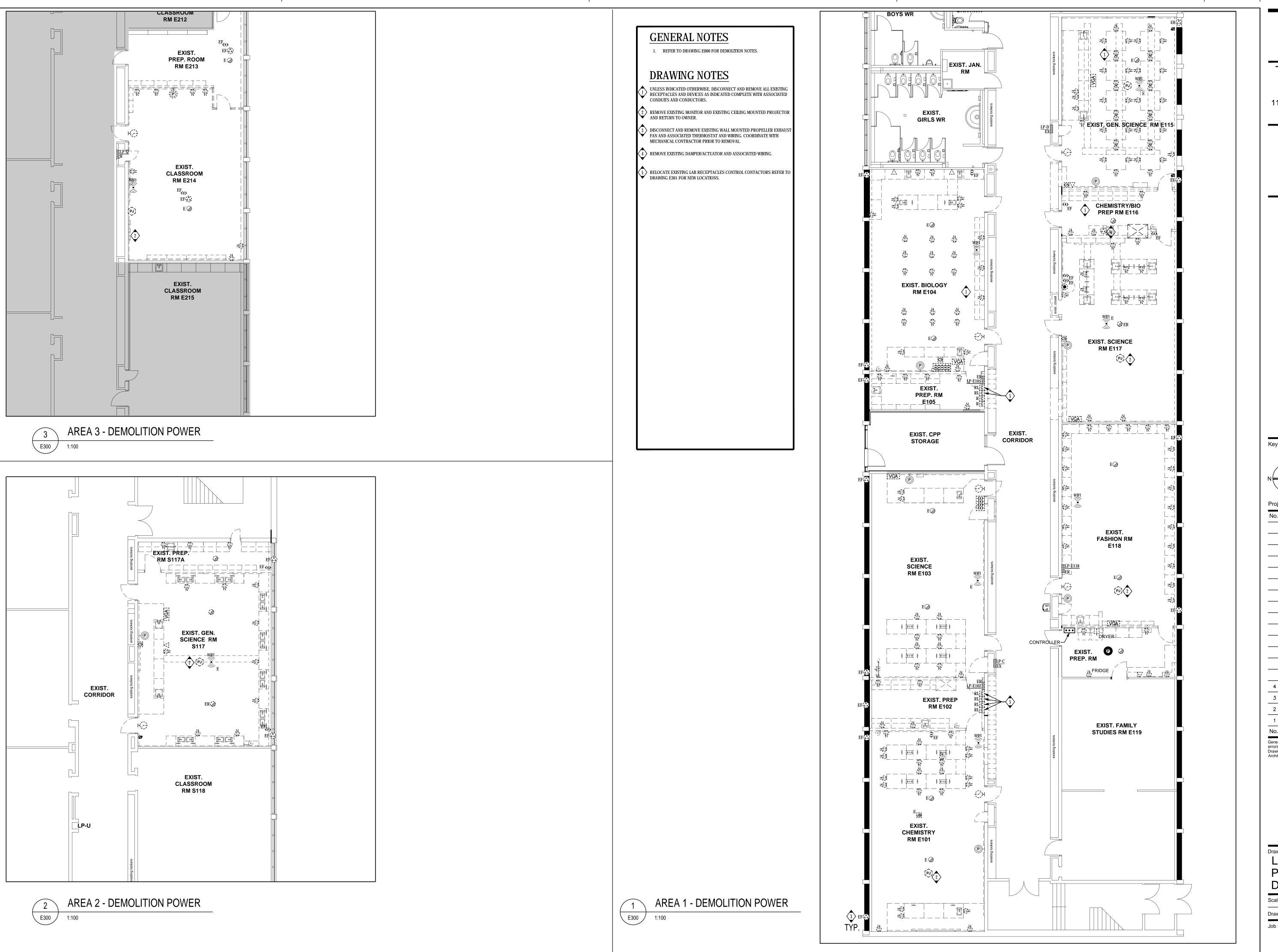
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Drawing Title:

LEVEL 0 &1 LIGHTING RENOVATION PLANS

1:100 Date: 05/01/2023 T.T. Checked by: Drawn by:

2215B



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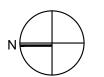
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Key Plan N.T.S.



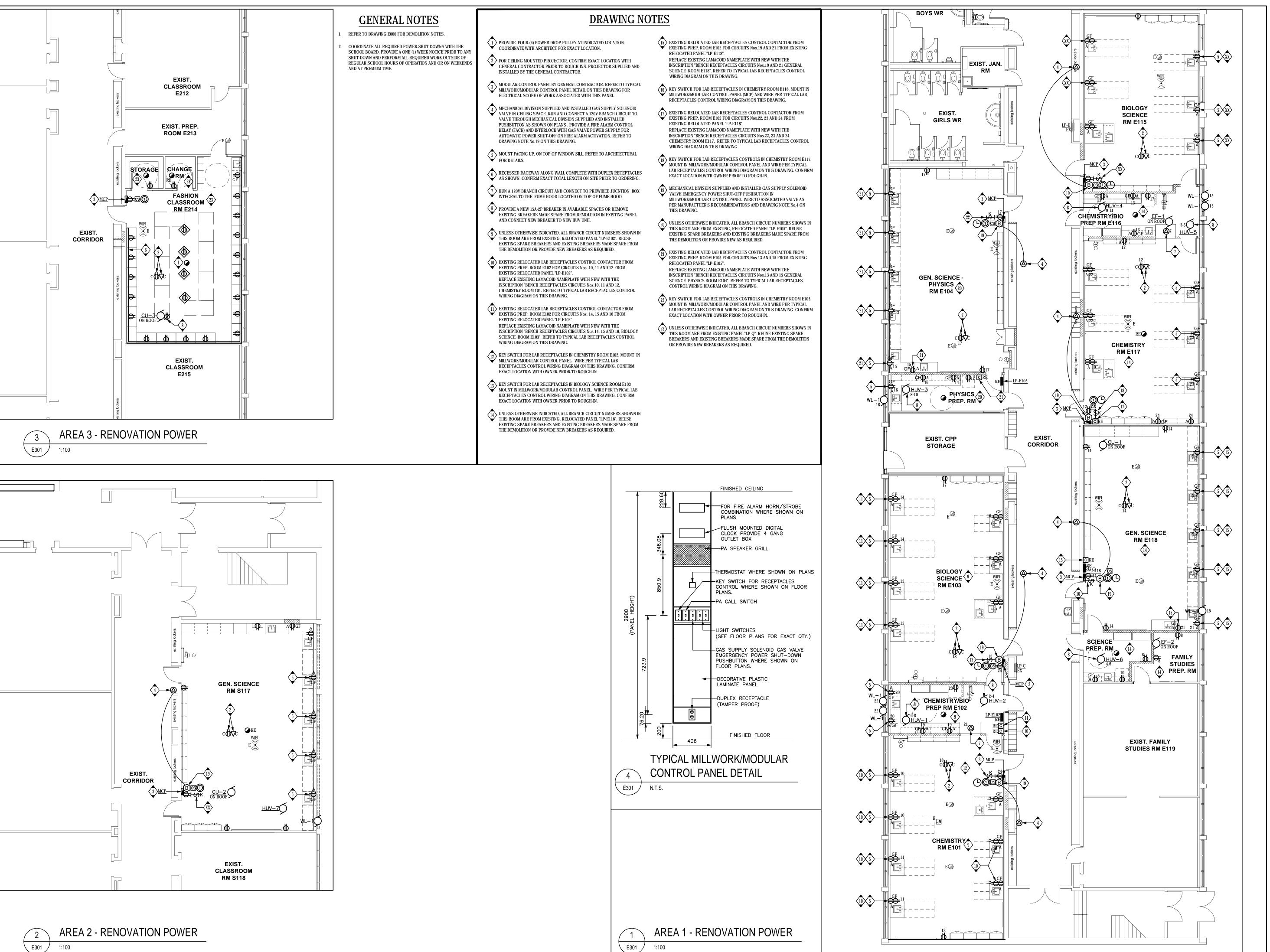
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Drawing Title:

LEVEL 0 &1 POWER & SYSTEMS **DEMOLITION PLANS** 

1:100 Date: 05/01/2023 T.T. Checked by: 2215B



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Key Plan N.T.S. 4 ISSUED FOR BIDS 2024.04.09 3 ISSUED FOR PERMIT 2024.02.23 2 | ISSUED FOR PROGRESS 2024.02.15 ISSUED FOR PROGRESS General Contractor shall check and verify all dimensions and report all

Drawing Title: LEVEL 0 & 1 POWER & SYSTEMS **RENOVATION PLANS** 

errors and omissions to the Architect. Do not scale the drawings.

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1:100 Date: 05/01/2023 T.T. Checked by: Drawn by: 2215B

JOB NAME:														T.A. BLAKEL	OCK HIGH SCH	OOL RENOV	ATIONS								JOB No.	ALL-22020201
															MECHAN	IICAL SCI	HEDULE -	UNIT VEN	TILATORS							
DWO	0)/07511		AIRFI (CF		FAN ESP		COOLIN	IG						HEATING				MEIOLIT					WIRING	FOR MECHANICAL EQUIPMENT SCHEDULE		
DWG. DESIGNATION	SYSTEM and ROOM	MODEL	TOTAL	OUTDOOR	(IN. H20)	TOTAL CAPACITY (BTU/H)	SENSIBLE CAPACITY (BTU/H)	TYPE	EDB/EWB (°F)	LDB/LWB (°F)	CAPACITY (BTU/H)	EWT (°F)	LWT (°F)	EDB (°F)	LDB (°F)	GPM	PD (IN. W.G.)	WEIGHT (LB)	MECHANICAL REMARKS	MOTOR HP	MCA	МСОР	VAC/ø	EXPANSION VALVE (SEPARATE FEED) MCA/MOCP	MOTE NTROL DISC. TYPE EVICE	ELECTRICAL WIRING INSTRUCTIONS
HUV-1	RM E101 CHEMISTRY	DAIKIN UAHF9H13	1250	515	0.4	40,679	27,101	DX	80/67	56.9/54	84,077	140	119	33	95	8	9.19	540	CEILING HUNG HORIZONTAL UNIT VENTILATOR.  MERV 13 FILTER, DX COOLING, HOT WATER  HEATING COIL.	1/3	3.8	15	208/1	1.0/15		
HUV-2	RM E103 BIOLOGY	DAIKIN UAHF9H13	1250	525	0.4	40,679	27,101	DX	80/67	56.9/54	80,934	140	120	37	97	8	9.19	540	CEILING HUNG HORIZONTAL UNIT VENTILATOR.  MERV 13 FILTER, DX COOLING, HOT WATER  HEATING COIL.	1/3	3.8	15	208/1	1.0/15		
HUV-3	RM E104 PHYSICS	DAIKIN UAHF9H13	1250	515	0.4	40,679	27,101	DX	80/67	56.9/54	80,934	140	120	37	97	8	9.19	540	CEILING HUNG HORIZONTAL UNIT VENTILATOR.  MERV 13 FILTER, DX COOLING, HOT WATER  HEATING COIL.	1/3	3.8	15	208/1	1.0/15		
HUV-4	RM E115 BIOLOGY	DAIKIN UAHF9H14	1250	515	0.4	40,679	27,101	DX	80/67	56.9/54	55,594	140	121	42	83	6	6.38	540	CEILING HUNG HORIZONTAL UNIT VENTILATOR.  MERV 13 FILTER, DX COOLING, HOT WATER  HEATING COIL.	1/3	3.8	15	208/1	1.0/15		
HUV-5	RM E117 CHEMISTRY	DAIKIN UAHF9H15	1500	510	0.4	50,787	33,382	DX	80/67	55.8/53.9	62,041	140	119	46	85	6	6.38	620	CEILING HUNG HORIZONTAL UNIT VENTILATOR.  MERV 13 FILTER, DX COOLING, HOT WATER  HEATING COIL.	3/4	9.1	15	208/1	1.0/15		
HUV-6	RM E118 GENERAL SCIENCE	DAIKIN UAHF9H20	2000	700	0.4	60,000	40,190	DX	80/67	58.2/55.6	73,161	140	119	45	79	7	8.69	680	CEILING HUNG HORIZONTAL UNIT VENTILATOR.  MERV 13 FILTER, DX COOLING, HOT WATER  HEATING COIL.	3/4	9.1	15	208/1	1.0/15		
HUV-7	RM S117 GENERAL SCIENCE	DAIKIN UAHF9H15	1500	535	0.4	50,787	33,382	DX	80/67	55.8/53.9	67,227	140	121	42	83	7	8.69	620	CEILING HUNG HORIZONTAL UNIT VENTILATOR.  MERV 13 FILTER, DX COOLING, HOT WATER  HEATING COIL.	3/4	9.1	15	208/1	1.0/15		

JOB NAME:							T.A. BLAKELOC	K HIGH SCHOOL	RENOVATIONS							ALL-22020201
				3.0000000000000000000000000000000000000	WIW		MECH	ANICAL SCH	DULE - CON	IDENSIN	G UNITS				· · · · · · · · · · · · · · · · · · ·	
DWG.	EVAPORATOR UNIT	SYSTEM and ROOM	MODEL	WEIGHT			COOLI	NG				WIRING FOR	R MECHANIC	CAL EQUIPM	ENT SCHEDULI	
DESIGNATION	DESIGNATION	SYSTEM and ROOM	MODEL	(LBS)	AMBIENT (°F)	NOMINAL CAPACITY (MBH)	RATED CAPACITY (MBH)	SOUND PRESSURE (DBA)	REFRIGERANT	EER	- MECHANICAL REMARKS	MOTOR (KW)	MCA	МСОР	VACIØ	ELECTRICAL WIRING INSTRUCTIONS
CU-1	HUV-1,2,3,4,5,6	ROOMS E101, E103, E104, E115, E117, E118	DAIKIN REYQ240AATJA	957	95	240	228	69	R-410A	11	MULTI CIRCUIT VRV ROOFTOP CONDENSING UNIT.	N/A	73.7	80	208/3	
CU-2	HUV-7	GENERAL SCIENCE RM S117	DAIKIN RXTQ60TAVJUA	225	95	57.5	57.5	57	R-410A	9.8	VRV ROOFTOP CONDENSING UNIT.	N/A	29.1	35	208/1	

OUTDOOR UNIT MUST BE INSTALLED ON 18" HIGH STAND SUPPLIED BY THE INSTALLING CONTRACTOR

START UP AND COMMISSIONING SHALL BE PERFORMED BY THE MANUFACTURER SUPPORTED BY INSTALLING CONTRACTOR

UNIT SHALL INCLUDE A MANUFACTURER SUPPLIED SNOW & WIND HOOD KIT FOR EACH MODULE

JOB NAME:	T.A. BLAKELOCK HIGH	SCHOOL RENOVA	TIONS										ALL-22020201
							MEC	CHANICAL SCHEDULE - FANS					
DWG.	SYSTEM		FLOW	ESP			WEIGHT		WIRIN	G FOR MEC	IANICAL EQ	UIPMENT SCHEDULE	
DESIGNATION	and ROOM	MODEL	(CFM)	(IN W.G.)	RPM	VFD	LBS	MECHANICAL REMARKS	MOTOR W or HP	MCA	MCOP	VAC/ø	ELECTRICAL WIRING INSTRUCTIONS
EF-1	FUME EXHAUST ROOF	GREENHECK FCJ- 307-BI	630	1.5	2619	NO	166	ROOFTOP UTILITY FAN, COMPLETE WITH 7' FUME STACK, NEMA 3R DISCONNECT SWITCH, WETHERHOOD, DISCHARGE UB, VIBRATION ISOALTORS.	3/4 HP	3.5	15	208/1	
EF-2	FUME EXHAUST ROOF	GREENHECK FCJ- 307-BI	630	1.5	2619	NO	166	ROOFTOP UTILITY FAN, COMPLETE WITH 7' FUME STACK, NEMA 3R DISCONNECT SWITCH, WETHERHOOD, DISCHARGE UB, VIBRATION ISOALTORS.	3/4 HP	3.5	15	208/1	

JOB NAME:		T.A. BLAKELOCK HIGH SCHOOL RENOVATIONS ALL-22020201													
	MECHANICAL SCHEDULE - LOUVERS & MOTORIZED DAMPERS														
DWG.	MODEL	SIZ	Œ (IN.)	MECHANICAL REMARKS			ELECTRICAL WIRING INSTRUCTIONS								
DESIGNATION	WODEL	WIDTH	HEIGHT	WESTANISAL REMARKS	MCOP	VAC/ø									
WL-1	GREENHECK ESD-435	12	18	HEAVY GUAGE EXTRUDED ALUMINUM C/W VCD-23 MOTORIZED DAMPER. COLOUR BY ARCHITECT.		120/1									

Client
Halton District School Board 2050 Guelph Line Burlington, Ontario

# T.A. BLAKELOCK H.S. RENOVATION

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Architect



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Key Plan N.T.S.



Project North



No. Revisions 3. Issued for Bids 2024 04 09 Issued for Permit 2024 03 18 Issued for Progress 2024 03 12 General Contractor shall check and verify all dimensions and report all errors and omissions to the Architect. Do not scale the drawings. Drawings shall not be used for construction purposes until issued by the Architect for construction.

MECHANICAL & ELECTRICAL SCHEDULES

02/01/2024 C.M. Checked by: W.D. Drawn by:

ME100