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.

TOWER &	DISTRIBUTION SYSTEMS	FIRE ALAR	M SYSTEM	SECURIT	Y SYSTEM
	PANELBOARD (SURFACE MOUNT).		MANUAL PULL STATION C/W PROTECTIVE 9VDC BATTERY OPERATED LEXAN COVER.	ES	ELECTRIC DOOR STRIKE. SUPPLIED AND INSTALLED BY DOOR HARDWARE, WIRED BY DIVISION 16 CONTRACTOR.
	PANELBOARD (RECESSED MOUNT).	O O X	HEAT DETECTOR. COMBINATION, FIXED 57°C AND RATE OF RISE.	SCP	SECURITY CONTROL PANEL
	ENCLOSED BUS ASSEMBLY.		SUBSCRIPT 'X' INDICATES 88°C FIXED TEMPERATURE.	EB	REQUEST TO EXIT BUTTON
	CABLE TRAY (LADDER OR TROUGH)	⊗⊗x	HEAT DETECTOR. FIXED ONLY (57°C) SUBSCRIPT 'X' INDICATES 88°C RATING.		AUTOMATIC DOOR OPERATOR.
	EMERGENCY POWER-OFF PUSHBUTTON (EPO)				MAGNETIC DOOR LOCK.
•	` ,	Ø₽R	SMOKE DETECTOR. IONIZATION TYPE. SUBSCRIPT "R" INDICATES RELAY BASE.		
	LE/DIRECT CONNECTIONS	\bigcirc	120V LOCAL SMOKE ALARM CEILING MOUNTED. IONIZATION		LOW VOLTAGE POWER SUPPLY FOR THE DOOR STRIKE.
Ф	120V, 2P, 3W, 15A DUPLEX RECEPTACLE (CSA #5 SERIES).		TYPE.	PL	PUSH-TO-LOCK BUTTON.
Ф	120V, 2P, 3W, 15A DUPLEX (CSA #5 SERIES) RECEPTACLE WITH USB CHARGING PORTS	X	120V LOCAL SMOKE ALARM WITH STROBE.	(KP)	KEY PAD.
₩	120V, 2P, 3W, 15A DUPLEX (CSA #5 SERIES) RECEPTACLE			(CR)	CARD READER.
	PRE-WIRED AND FACTORY INSTALLED IN MODULAR WALL SYSTEM 120V, 2P, 3W, 15A FOUR PLEX (CSA #5 SERIES) RECEPTACLE	\otimes	CARBON MONOXIDE/DIOXIDE DETECTOR.	DA	AUTOMATIC DOOR OPERATOR ACTUATOR.
*	PRE-WIRED AND FACTORY INSTALLED IN MODULAR WALL SYSTEM	X	COMBINATION SMOKE/CARBON MONOXIDE/STROBE.	EM	EGRESS MOTION DETECTOR.
⊕	120V, 2P, 3W, 15A SPLIT TYPE DUPLEX RECEPTACLE.		Compliantian Chieft, States and Microstopic Chieff.		AUDIBLE ALARM (BUZZER)
ф	120V, 2P, 3W, 15/20A T-SLOT TYPE DUPLEX RECEPTACLE. CSA#5 SERIES.		AIR DUCT TYPE SMOKE DETECTOR.	lack	GLASS BREAK DETECTOR
	SUBSCRIPT "S" INDICATES SPLIT RECEPTACLE.	R	REMOTE INDICATING LIGHT. SUBSCRIPT INDICATES FAN SYSTEM.	M	SECURITY SYSTEM MONITORING STATION
8	120V, 2P, 3W, 15A FOUR PLEX RECEPTACLE 2. DUPLEXES UNDER COMMON PLATE).				
-			FIRE ALARM HORN.	PA	PANIC ALARM
	125V, 2P, 3W SINGLE RECEPTACLE (CSA #5 SERIES).		FIRE ALARM BELL.		MOTION DETECTOR.
ш	125/250V, 3P, 4W SINGLE RECEPTACLE (CSA #14 SERIES).		FIRE ALARM STROBE		DOOR/WINDOW CONTACT.
Ш	250VDC/600VAC, 3P, 4W SINGLE RECEPTACLE (CSA #L17 SERIES).	FA	COMBINATION FIRE HORN/STROBE LIGHT.	EP	EMERGENCY CALL FOR ASSISTANCE SYSTEM PUSHBUTTON.
H	120V, 2P, 3W, FLOOR MOUNTED DUPLEX RECEPTACLE (CSA #5 SERIES).	SV	SUPERVISED VALVE – SPRINKLER. SUBSCRIPT 'P' DENOTES	EL	EMERGENCY CALL FOR ASSISTANCE SYSTEM ANNUNCIATOR WAI MOUNTED DOME LIGHT.
ЩЩ			STANDPIPE.	PS	EMERGENCY CALL FOR ASSISTANCE SYSTEM 120VAC/24VDC
<u>Ф</u>	BENCH RECEPTACLES UNIT.	FS	SPRINKLER FLOW SWITCH.		POWER SUPPLY
	SUSPENDED INDUSTRIAL POWER CORD REEL COMPLETE WITH RECEPTACLES. SEE SPECIFICATION 26 27 19 FOR DETAILS.	PS	SPRINKLER LOW PRESSURE SWITCH.	MECHANI	ICAL WIRING SYSTEMS
\text{\tin}\text{\tetx{\text{\tetx{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}\}\text{\text{\text{\text{\text{\text{\text{\text{\tex{\tex	1 PHASE, 3W DIRECT CONNECTION (L, N, G) OR (L1, L2, G).	D	MAGNETIC DOOR HOLD OPEN DEVICE.		
O	3 PHASE, 4W DIRECT CONNECTION (L1, L2, L3, G).	0	RECESSED FIRE ALARM SPEAKER (CEILING MOUNTED).		MECHANICAL EQUIPMENT/MOTOR.
	3 PHASE, 5W DIRECT CONNECTION (L1, L2, L3, N, G).	Ø	RECESSED FIRE ALARM SPEAKER AND STROBE (CEILING		DISCONNECT SWITCH (UNFUSED). SUBSCRIPT INDICATES SIZE. SUBSCRIPT 'N' INDICATES COMPLETE WITH SOLID NEUTRAL.
			MOUNTED).		DISCONNECT SWITCH (FUSED). SUBSCRIPT INDICATES FUSE RA
(A)	1 PHASE, 4W DIRECT CONNECTION (L1, L2, N, G).	Ю	FIRE ALARM SPEAKER (WALL MOUNTED).		SUBSCRIPT 'N' INDICATES COMPLETE WITH SOLID NEUTRAL.
PP	POWER AND COMMUNICATION PAC-POLE.	HO	FIRE ALARM SPEAKER AND STROBE (WALL MOUNTED).	□P	MANUAL STARTER COMPLETE WITH PILOT LIGHT.
JB	CEILING SPACE MOUNTED 1 PHASE, 3W DIRECT CONNECTION (L, N, G) FOR HANDS-FREE WASHROOM PLUMBING FIXTURES.	F	SURFACE FIRE ALARM SPEAKER (CEILING MOUNTED).		MAGNETIC STARTER.
	RÉFER TÓ FLOOR PLANS FOR DETAILS.		, , ,		COMBINATION MAGNETIC STARTER.
	WALL MOUNTED HAND DRYER. COMAC BLAST SERIES, MODEL C-200000000, WHITE FINISH, 120V, 1450 WATTS OR APPROVED	Ī	SURFACE FIRE ALARM SPEAKER AND STROBE (CEILING MOUNTED).	TS	TIME SWITCH.
(III)	EQUALS FROM EXCEL DRYERS, XLERATOR SERIES OR WORLD DRYERS, NOVA SERIES.	FH	FIREFIGHTER HANDSET.] [
HD	MOUNTING HEIGHTS FROM BOTTOM EDGE OF DRYERS: 1. UNIV. WASHROOMS: 900mm ABOVE FINISHED FLOOR		FIRE ALARM ZONE DEMARCATION		THERMOSTAT
	GIRLS CHANGEROOMS: 1120mm ABOVE FINISHED FLOOR BOYS CHNAGEROOMS: 1150mm ABOVE FINISHED FLOOR	F.A.Z.1.	FIRE ALARM ZONE. NUMBER INDICATES ZONE NUMBER.	(SS)	SPEED SWITCH
					CEILING MOUNTED DESTRATIFICATION FAN
	NON-METALIC SURFACE RACEWAY COMPLETE WITH RECEPTACLES AND COMMUNICATION CABLING OUTLETS. SEE FLOOR PLANS FOR TYPES AND QUANTITIES OF RECEPTACLES AND COMMUNICATION	<u> </u>	FIRE RATED ROLLING COIL DOOR BY GENERAL CONTRACTOR		DETERMINE MEGINTED BESTIVITIES THAT
	CABLING OUTLETS AND EXACT RACEWAY LENGTH. MOUNT AT 450mm AFF TO CENTRE OF RACEWAY UNLESS	AUDIO VIS	UAL SYSTEM]	
	INDICATED OTHERWISE ON PLANS. SEE SPECIFICATION SECTION 26 27 19 FOR DETAILS.	PR	SHORT WALL PROJECTOR.	TYPICAL	CIRCUIT NUMBER IDENTIFICATION
	M INDICATES VERTICAL RISER ALONG WALL AND EXTENDING	TV	TELEVISION OUTLET.	BB-1	
4 3 14 4 5	MINIMUM OF 100mm ABOVE FINISHED CEILING.	COMMUNIC	ATION SYSTEMS	il † †	W. W
	(2) USB PORTS AND ONE (1) COMMUNICATION CABLE OUTLET		COMMUNICATION OUTLET. PROVIDE A SINGLE GANG OUTLET BOX		-"1" INDICATES CIRCUIT NUMBER 1 -"BB" INDICATES PANEL "LP-BB"
	COMPLETE WITH TWO (2) CABLES AND JACKS AND FACEPLATE.		COMMUNICATION COTLET. PROVIDE A SINGLE GAING COTLET BOX COMPLETE WITH A 27mm (1") CONDUIT AND TWO (2) COMMUNICATION CABLES, JACKS AND FACEPLATE, UNLESS		
	(1) COMMUNICATION CABLE OUTLET COMPLETE WITH TWO (1) CABLE AND JACK AND FACEPLATE.		INDICATED OTHERWISE ON PLANS.		
	INDICATES ONE (1) 15/20A, T-SLOT TYPE 120V DUPLEX		SAME AS ABOVE, EXCEPT FLOOR MOUNTED.		
	RECEPTACLE AND ONE (1) COMMUNICATION CABLE OUTLET COMPLETE WITH TWO (1) CABLE AND JACK AND FACEPLATE.		COMMUNICATION OUTLET INSTALLED IN MODULAR WALL SYSTEM		
		4	COMPLETE WITH TWO (2) COMMUNICATION CABLES JACKS AND FACEPLATE.		
9	OVERHEAD DOOR.		COMMUNICATION OUTLET INSTALLED IN MODULAR SYSTEM		
	DIRECT CONNECTION VOLTAGE INFORMATION INDICATION BY		FURNITURE COMPLETE WITH ONE(1) COMMUNICATION CABLE, JACK AND FACEPLATE UNLESS INDICATED OTHERWISE ON PLANS.		
N	CIRCUIT No.	4	REFER TO WALL MOUNTED MODULAR SYSTEM FURNITURE POWER AND COMMUNICATION POINT SYMBOL IN THIS ELECTRICAL		
O T	2. UNLESS NOTED OTHERWISE MOUNTING HEIGHT OF ALL OUTLETS IS 455mm (18") A.F.F.		LEGEND FOR REQUIREMENTS AND DETAILS.		
E S		◀	TELEPHONE - SUBSCRIPT "P" INDICATES PAY TELEPHONE.		
3	3. UNLESS NOTED OTHERWISE (IE: 30A. 20A) ALL	<u></u>	WIRELESS ACCESS POINT		
3	3. UNLESS NOTED OTHERWISE (IE: 30A, 20A) ALL RECEPTACLES/DIRECT CONNECTIONS RATED FOR 15A.	S WIFI		1	
	RECEPTACLES/DIRECT CONNECTIONS RATED FOR 15A.				
PAGING AN	RECEPTACLES/DIRECT CONNECTIONS RATED FOR 15A. ND SOUND SYSTEM	VGA	VIDEO GRAPHIC ARRAY (VGA) OUTLET		
PAGING AN	RECEPTACLES/DIRECT CONNECTIONS RATED FOR 15A.				
PAGING AN	RECEPTACLES/DIRECT CONNECTIONS RATED FOR 15A. ND SOUND SYSTEM RECESSED CEILING MOUNTED SPEAKER. COMBINATION WALL MOUNTED SPEAKER AND TALK—LISTEN PRIVACY SWITCH.	VGA	VIDEO GRAPHIC ARRAY (VGA) OUTLET		
PAGING AN	RECEPTACLES/DIRECT CONNECTIONS RATED FOR 15A. ND SOUND SYSTEM RECESSED CEILING MOUNTED SPEAKER. COMBINATION WALL MOUNTED SPEAKER AND TALK-LISTEN	VGA	VIDEO GRAPHIC ARRAY (VGA) OUTLET		
PAGING AN	RECEPTACLES/DIRECT CONNECTIONS RATED FOR 15A. ND SOUND SYSTEM RECESSED CEILING MOUNTED SPEAKER. COMBINATION WALL MOUNTED SPEAKER AND TALK—LISTEN PRIVACY SWITCH.	VGA	VIDEO GRAPHIC ARRAY (VGA) OUTLET		
PAGING AN	RECEPTACLES/DIRECT CONNECTIONS RATED FOR 15A. ND SOUND SYSTEM RECESSED CEILING MOUNTED SPEAKER. COMBINATION WALL MOUNTED SPEAKER AND TALK-LISTEN PRIVACY SWITCH. SPEAKER MOUNTED IN ROOM MODULAR CONTROL PANEL. RECESSED WALL MOUNTED SPEAKER. RECESSED CEILING MOUNTED SPEAKER COMPLETE WITH	VGA	VIDEO GRAPHIC ARRAY (VGA) OUTLET		
PAGING AN	RECEPTACLES/DIRECT CONNECTIONS RATED FOR 15A. ND SOUND SYSTEM RECESSED CEILING MOUNTED SPEAKER. COMBINATION WALL MOUNTED SPEAKER AND TALK—LISTEN PRIVACY SWITCH. SPEAKER MOUNTED IN ROOM MODULAR CONTROL PANEL. RECESSED WALL MOUNTED SPEAKER.	VGA	VIDEO GRAPHIC ARRAY (VGA) OUTLET		
PAGING AN	RECEPTACLES/DIRECT CONNECTIONS RATED FOR 15A. ND SOUND SYSTEM RECESSED CEILING MOUNTED SPEAKER. COMBINATION WALL MOUNTED SPEAKER AND TALK-LISTEN PRIVACY SWITCH. SPEAKER MOUNTED IN ROOM MODULAR CONTROL PANEL. RECESSED WALL MOUNTED SPEAKER. RECESSED CEILING MOUNTED SPEAKER COMPLETE WITH HANDSFREE MIC. AND INTERCONNECTED TO WALL MOUNTED	VGA	VIDEO GRAPHIC ARRAY (VGA) OUTLET		
PAGING AN	RECEPTACLES/DIRECT CONNECTIONS RATED FOR 15A. ND SOUND SYSTEM RECESSED CEILING MOUNTED SPEAKER. COMBINATION WALL MOUNTED SPEAKER AND TALK-LISTEN PRIVACY SWITCH. SPEAKER MOUNTED IN ROOM MODULAR CONTROL PANEL. RECESSED WALL MOUNTED SPEAKER. RECESSED CEILING MOUNTED SPEAKER COMPLETE WITH HANDSFREE MIC. AND INTERCONNECTED TO WALL MOUNTED EMERGENCY PULLCORD ALARM DEVICE.	VGA	VIDEO GRAPHIC ARRAY (VGA) OUTLET		
PAGING AN	RECEPTACLES/DIRECT CONNECTIONS RATED FOR 15A. ND SOUND SYSTEM RECESSED CEILING MOUNTED SPEAKER. COMBINATION WALL MOUNTED SPEAKER AND TALK—LISTEN PRIVACY SWITCH. SPEAKER MOUNTED IN ROOM MODULAR CONTROL PANEL. RECESSED WALL MOUNTED SPEAKER. RECESSED CEILING MOUNTED SPEAKER COMPLETE WITH HANDSFREE MIC. AND INTERCONNECTED TO WALL MOUNTED EMERGENCY PULLCORD ALARM DEVICE. SURFACE WALL MOUNTED SPEAKER.	VGA	VIDEO GRAPHIC ARRAY (VGA) OUTLET		
PAGING AN	RECEPTACLES/DIRECT CONNECTIONS RATED FOR 15A. ND SOUND SYSTEM RECESSED CEILING MOUNTED SPEAKER. COMBINATION WALL MOUNTED SPEAKER AND TALK—LISTEN PRIVACY SWITCH. SPEAKER MOUNTED IN ROOM MODULAR CONTROL PANEL. RECESSED WALL MOUNTED SPEAKER. RECESSED CEILING MOUNTED SPEAKER COMPLETE WITH HANDSFREE MIC. AND INTERCONNECTED TO WALL MOUNTED EMERGENCY PULLCORD ALARM DEVICE. SURFACE WALL MOUNTED SPEAKER. SURFACE CEILING MOUNTED SPEAKER. P.A. CALL SWITCH OR HANDSET.	VGA	VIDEO GRAPHIC ARRAY (VGA) OUTLET		
	RECEPTACLES/DIRECT CONNECTIONS RATED FOR 15A. ND SOUND SYSTEM RECESSED CEILING MOUNTED SPEAKER. COMBINATION WALL MOUNTED SPEAKER AND TALK-LISTEN PRIVACY SWITCH. SPEAKER MOUNTED IN ROOM MODULAR CONTROL PANEL. RECESSED WALL MOUNTED SPEAKER. RECESSED CEILING MOUNTED SPEAKER COMPLETE WITH HANDSFREE MIC. AND INTERCONNECTED TO WALL MOUNTED EMERGENCY PULLCORD ALARM DEVICE. SURFACE WALL MOUNTED SPEAKER. SURFACE CEILING MOUNTED SPEAKER. P.A. CALL SWITCH OR HANDSET. ADMINISTRATIVE CONSOLE UNIT OUTLET.	VGA	VIDEO GRAPHIC ARRAY (VGA) OUTLET		
PAGING AN	RECEPTACLES/DIRECT CONNECTIONS RATED FOR 15A. ND SOUND SYSTEM RECESSED CEILING MOUNTED SPEAKER. COMBINATION WALL MOUNTED SPEAKER AND TALK—LISTEN PRIVACY SWITCH. SPEAKER MOUNTED IN ROOM MODULAR CONTROL PANEL. RECESSED WALL MOUNTED SPEAKER. RECESSED CEILING MOUNTED SPEAKER COMPLETE WITH HANDSFREE MIC. AND INTERCONNECTED TO WALL MOUNTED EMERGENCY PULLCORD ALARM DEVICE. SURFACE WALL MOUNTED SPEAKER. SURFACE CEILING MOUNTED SPEAKER. P.A. CALL SWITCH OR HANDSET.	VGA	VIDEO GRAPHIC ARRAY (VGA) OUTLET		

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. CONTROLLED LOAD. - WATER BOTTLE REFILLING STATION/DRINKING FOUNTAIN. - WITH DISCONNECT AND VISIBLE ISOLATION. FLOOR MOUNTED.

EXP/EP - EXPLOSION PROOF. - 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.

- EXISTING TO BE REPLACED WITH NEW.

MOUNTED IN MILLWORK TOE SPACE.

[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 O LIGHTING DEMOLITION PLANS
E201	LEVEL O LIGHTING DEMOLITION PLANS
E202	LEVEL 1 LIGHTING RENOVATION PLANS
E300	LEVEL O POWER & SYSTEMS DEMOLITION PLANS
E301	LEVEL O POWER & SYSTEMS RENOVATION PLANS
E302	LEVEL 1 POWER & SYSTEMS DEMOLITION AND RENOVATIONS PLANS
E303	ROOF POWER & SYSTEMS PLANS
E400	PANELBOARDS SCHEDULES

ME100 MECHANICAL AND ELECTRICAL SCHEDULES

Halton District School Board 2050 Guelph Line Burlington, Ontario

T.A. BLAKELOCK H.S. RENOVATION

1160 Rebecca Street, Oakville, ON

L6L 1Y9

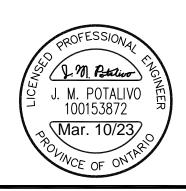
Architect

Snyder Architects Inc. 260 King St. E, Unit A101, Toronto, ON M5A 4L5 tel. 416.966.5444 fax. 416.966.4443 www.snyderarchitects.ca

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



Key Plan N.T.S.



True North 1 ISSUED FOR BIDS/PERMIT 2023.03.10

errors and omissions to the Architect. Do not scale the drawings. Drawings shall not be used for construction purposes until issued by the

General Contractor shall check and verify all dimensions and report all

ELECTRICAL SYSTEMS LEGEND DEMO NOTES AND DRAWING LIST

05/01/2023 M.O. | Checked by: Drawn by Drawing No.

	LIGHTING FIXTURE SCHEDULE	FIXTURE SCHEDULE NOTE
TYPE	DESCRIPTION	GENERAL A, APPROVED EQUAL PRODUCTS MUST BE CAPABLE OF PROVIDING THE SAME
D10	- 4" DIAMETER RECESSED LED DOWNLIGHT - 120V, 1500LM, 4000K, 80+CRI, 7.6W - 0-10V DIMMING DRIVER - SEMI SPECULAR REFRLECTOR - MEDIUM DISTRIBUTION - WHITE FLANGE	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.
10-EB	- PRESCOLITE LFR-R4D SERIES	B. COLOR QUALITY: INTERIOR LIGHTING SHALL HAVE AN R9 VALUE OF 50 OR BETTER.
)11)11	 SAME AS TYPE 'D10', EXCEPT COMPLETE WTH EMERGENCY BATTERY PACK WITH INTEGRAL TEST SWITCH. SAME AS TYPE 'D10', EXCEPT COMPLETE WTH CLEAR LENS FOR WET LOCATION. 	C. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT THE PRODUCTS SUPPLIED AND INSTALLED ARE COMPATIBLE WITH THE LIGHTING CONTROL SYSTEM AND/OR DEVICES. THE CONTRACTOR SHALL PROVIDE THE CONTROLS SYSTEM MANUFACTURER A COPY OF ALL DRAWINGS AND
10	- 48"x15" LED HIGH BAY LUMINAIRE - 120V, 12000LM, 4000K, 80CRI, 51W - 0-10V DIMMING DRIVER	D. PACKAGES FROM THE FOLLOWING AGENCIES WILL BE CONSIDERED: - MEDGAR LCI (905) 312-1213 - RUTENBERG SALES (905) 848-2255
	 FROSTED PRISMATIC ACRYLIC LENS WITH WIREGUARD WHITE FINISH AIRCRAFT SUSPENSION CABLES WITH UNDERSIDE OF FIXTURE EVEN WITH UNDERSIDE OF BEAMS. CONFIRM EXACT SUSPENSION CABLES LENGTH ON SITE PRIOR TO ORDERING. 	- SALEX (416) 293-2290 - WSC LIGHTING SYSTEMS (519) 652-9060 PRODUCTS
B10-EB	 PEERLESS ELECTRIC GP SERIES SAME AS TYPE 'D10', EXCEPT COMPLETE WTH EMERGENCY BATTERY PACK WITH INTEGRAL TEST SWITCH. 	FINISH COLOR SHALL BE SELECTED BY ARCHITECT DURING SHOP DRAWING REVIEW.
.P12	12' LONG DIRECT/INDIRECT LINEAR LED PENDANT120V, 1274LM/1FT, 4000K, 80CRI, 7W/1FT	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.
	 L3 LIGHT LEVEL/DRIVER OPTICS: UP=METAL BLANC, DOWN=METAL BLANC 0-10V DIMMING DRIVER WHITE FINISH 	LIFE OF THE LED DRIVER. FIXTURE 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
	 AIRCRAFT SUSPENSION CABLES WITH UNDERSIDE OF FIXTURE AT 3000mm ABOVE FINISH FLOOR. CONFIRM EXACT SUSPENSION CABLES LENGTH ON SITE PRIOR TO ORDERING. METALUMEN RAIL 4, RM4DI SERIES 	SPACE WHERE THE FIXTURE IS INSTALLED. 4. REMOTE POWER SUPPLIES SHALL BE SUPPLIED AND INSTALLED IN ACCORDANCE WITH THE CORRESPONDING FIXTURE MANUFACTURER'S RECOMMENDATIONS.
_P12-EB	- SAME AS TYPE 'LP12', EXCEPT COMPLETE WITH EMERGENCY BATTERY PACK FOR 4' LONG, DIRECT SECTION AS INDICATED ON PLANS	TECONINERD/TIONS.
.P24	 8' LONG DIRECT/INDIRECT LINEAR LED PENDANT 120V, 595LM/1FT, 4000K, 80CRI, 6W/1FT L3 LIGHT LEVEL/DRIVER 	LIGHTING CONTROL NOTES
	 OPTICS: UP=METAL BLANC, DOWN=METAL BLANC O-10V DIMMING DRIVER WHITE FINISH 	WHEN ONLY CEILING MOUNTED OCCUPANCY SENSORS ARE INDICATED. THE CONTROL SCHEME SHALL BE AUTOMATIC "ON/OFF" OF ALL LIGHTING FIXTURE WITHIN THE ROOM VIA THE SENSORS. SENSOR "OFF" DELAY SHALL BE SET A FIFTEEN (15) MINUTES.
	 AIRCRAFT SUSPENSION CABLES WITH UNDERSIDE OF FIXTURE AT 3000mm ABOVE FINISH FLOOR. CONFIRM EXACT SUSPENSION CABLES LENGTH ON SITE PRIOR TO ORDERING. METALUMEN RAIL 2, RM2D SERIES 	2. WHEN ONLY COMBINATION WALL SWITCH/DIMMER AND VACANCY SENSORS ARE INDICATED. THE CONTROL SCHEME SHALL BE MANAUL "ON/OFF" AND AUTOMATIC "OFF" OF ALL LIGHTING FIXTURE WITHIN THE ROOM VIA THE VACANCY SENSOR. SENSORS "OFF" DELAY SHALL BE SET A FIFTEEN (15)
LP24-EB	- SAME AS TYPE 'LP12', EXCEPT COMPLETE WITH EMERGENCY BATTERY PACK FOR 4' LONG, DIRECT SECTION AS INDICATED ON PLANS	MINUTES. 3. WHEN WALL SWITCH/DIMMERS AND CEILING MOUNTED OCCUPANCY SENSORS ARE INDICATED, THE CONTROL SCHEME SHALL BE MANUAL "ON/OFF" AND
_R12	 12' LONG RECESSED DIRECT LINEAR LED PENDANT 120V, 1274LM/1FT, 4000K, 80CRI, 7W/1FT L3 LIGHT LEVEL/DRIVER 0-10V DIMMING DRIVER WHITE FINISH 	ARE INDICATED. THE CONTROL SCHEME SHALL BE MANUAL "ON/OFF" AND AUTOMATIC "OFF" OF ALL LIGHTING FIXTURES WITHIN THE ROOM CONNECTED TO THE SAME LIGHTING ZONE(S) AS THE OCCUPANCY SENSORS. SENSORS "OFF DELAY SHALL BE SET AT FIFTEEN (15) MINUTES.
LR12-EB	- WHITE FINISH - METALUMEN RAIL 4, RM4DI SERIES - SAME AS TYPE 'LP12', EXCEPT COMPLETE WITH EMERGENCY BATTERY PACK FOR 4' LONG, DIRECT SECTION AS INDICATED ON PLANS	
R24	- 8' LONG RECESSED DIRECT LINEAR LED PENDANT	
	 120V, 1274LM/1FT, 4000K, 80CRI, 7W/1FT L3 LIGHT LEVEL/DRIVER 0-10V DIMMING DRIVER WHITE FINISH METALUMEN RAIL 2, RM2D SERIES 	
P40	 40' LONG CONTINUOUS DIRECT LINEAR LED PENDANT 120V, 5581LM/4FT, 4000K, 80CRI, 47.7W/4FT 	
	 0-10V DIMMING DRIVER L3 LIGHT LEVEL DRIVER WHITE FINISH AIRCRAFT SUSPENSION CABLES WITH UNDERSIDE OF FIXTURE EVEN WITH 	
	UNDERSIDE OF OWSJ. CONFIRM EXACT SUSPENSION CABLES LENGTH ON SITE PRIOR TO ORDERING. - METALUMEN PLANAR S2E SERIES	
_P40-EB	- SAME AS TYPE 'LP40', EXCEPT COMPLETE WITH EMERGENCY BATTERY PACK FOR 4' LONG, DIRECT SECTION AS INDICATED ON PLANS	
LP4-EB	- 4' LONG CONTINUOUS DIRECT LINEAR LED PENDANT - 120V, 5581LM/4FT, 4000K, 80CRI, 47.7W/4FT	
	 0-10V DIMMING DRIVER L3 LIGHT LEVEL DRIVER WHITE FINISH AIRCRAFT SUSPENSION CABLES WITH UNDERSIDE OF FIXTURE EVEN WITH 	
	UNDERSIDE OF OWSJ. CONFIRM EXACT SUSPENSION CABLES LENGTH ON SITE PRIOR TO ORDERING. - METALUMEN PLANAR S2E SERIES	
PD1	 6" DIAMETER SUSPENDED LED CYLINDER 120V, 2500LM, 3000K, 80CRI, 24W 0-10V DIMMING DRIVER 	
	STATIC WHITE FINISH ALPHABET LIGHTING BETA 6R SERIES WITH RP10 FIELD AJUSTABLE SUSPENSION ASSEMBLY	
PD2	 5.5" ROUND SUSPENDED LED PENDANT 120V, 800LM, 4000K, 95CRI, 12W CANOPY INTEGRATED 0-10V DIMMING DRIVER WHITE OUTER & YELLOW INNER FINISHES 800mm LONG SUSPENSION CORD 	
R14	ARANCIA NIDO P101 SERIES.1'X4' RECESSED LED TROFFER	
	 120V, 4693LM, 3500K, 80CRI, 32.6W 0-10V DIMMING DRIVER WHITE FINISH FOR INSTALLATION IN INVERTED "T" SUSPENDED CEILING 	
	- RECTANGULAR SHEILDING - COLUMBIA LIGHTING LCAT14 SERIES	
R14-EB	- SAME AS TYPE 'R14', EXCEPT COMPLETE WITH EMERGENCY BATTERY PACK - 4' LED SURFACE MOUNT STRIPLIGHT	
J. L	 120V, 5411LM, 4000K, 80CRI, 42W FIXED OUTPUT DRIVER WHITE ROUND FROSTED LENS 	
S12-EB	 WHITE FINISH COLUMBIA LIGHTING LCL SERIES SAME AS TYPE 'S12', EXCEPT COMPLETE WITH EMERGENCY BATTERY PACK 	
SP12	 SAME AS TYPE 'S12', EXCEPT SUSPENDED BY AIRCRAFT CABLES. REFER TO LIGHTING DRAWINGS FOR FIXTURES MOUNTING HEIGHTS AND CONFIRM EXACT 	
SP12-EB	SUSPENSION CABLES LENGTHS ON SITE PRIOR TO ORDERING. - SAME AS TYPE 'SP12', EXCEPT COMPLETE WITH EMERGENCY BATTERY PACK	
T1	- LED TAPE LIGHT - 120V, 100LM/LFT, 3000K, 95CRI, 1.2W/LFT - REMOTE POWER SUPPLY MOUNTED IN CORRIDOR ACCESSIBLE CEILING SPACE - COMPLETE WITH ALL NECESSARY ACCESSORIES FOR A COMPLETE AND OPERATING.	
	 COMPLETE WITH ALL NECESSARY ACCESSORIES FOR A COMPLETE AND OPERATING INSTALLATION. WHITE FINISH FIXTURE TO COVER THE ENTIRE LENGTH OF THE DISPLAY CABINET. REFER TO ARCHITECTURAL FOR EXACT CABINET LENGTH. 	
X10	WAC LIGHTING CCT SERIES EXIT SIGN SINGLE FACE, SELF POWERED	
	- SINGLE FACE, SELF POWERED - UNIVERSAL MOUNTING	

XTURE SCHEDULE NOTES

APPROVED EQUAL PRODUCTS MUST BE CAPABLE OF PROVIDING THE SAME EVEL 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.

- COLOR QUALITY: INTERIOR LIGHTING SHALL HAVE AN R9 VALUE OF 50 OR T IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT THE PRODUCTS SUPPLIED AND INSTALLED ARE COMPATIBLE WITH THE LIGHTING
- CONTROLS SYSTEM MANUFACTURER A COPY OF ALL DRAWINGS AND SCHEDULES. PACKAGES FROM THE FOLLOWING AGENCIES WILL BE CONSIDERED: MEDGAR LCI (905) 312-1213 RUTENBERG SALES (905) 848-2255

- PROVIDE TOTAL RUN LENGTHS AS SHOWN ON DRAWINGS IN LINEAR FEET (LF).
- NTEGRAL BATTERY SHALL COMPLY WITH ALL APPLICABLE UL, CSA AND NATIONAL CODES AND THE RATED LIFE SHALL MATCH OR EXCEED THE RATED IFE OF THE LED DRIVER, FIXTURE SHALL BE SUPPLIED AND INSTALLED COMPLETE WITH A CHARGE INDICATOR LIGHT AND TEST SWITCH. TEST SWITCH IAY 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.
- REMOTE POWER SUPPLIES SHALL BE SUPPLIED AND INSTALLED IN ACCORDANCE WITH THE CORRESPONDING FIXTURE MANUFACTURER'S RECOMMENDATIONS.

GHTING CONTROL NOTES

- WHEN ONLY CEILING MOUNTED OCCUPANCY SENSORS ARE INDICATED. THE CONTROL SCHEME SHALL BE AUTOMATIC "ON/OFF" OF ALL LIGHTING FIXTURE NITHIN THE ROOM VIA THE SENSORS. SENSOR "OFF" DELAY SHALL BE SET A FIFTEEN (15) MINUTES.
- WHEN ONLY COMBINATION WALL SWITCH/DIMMER AND VACANCY SENSORS ARE INDICATED. THE CONTROL SCHEME SHALL BE MANAUL "ON/OFF" AND AUTOMATIC "OFF" OF ALL LIGHTING FIXTURE WITHIN THE ROOM VIA THE ACANCY SENSOR. SENSORS "OFF" DELAY SHALL BE SET A FIFTEEN (15)
- WHEN WALL SWITCH/DIMMERS AND CEILING MOUNTED OCCUPANCY SENSORS ARE INDICATED. THE CONTROL SCHEME SHALL BE MANUAL "ON/OFF" AND AUTOMATIC "OFF" OF ALL LIGHTING FIXTURES WITHIN THE ROOM CONNECTED TO THE SAME LIGHTING ZONE(S) AS THE OCCUPANCY SENSORS. SENSORS "OFF DELAY SHALL BE SET AT FIFTEEN (15) MINUTES.

GENERAL NOTES

- ALL INFORMATION PROVIDED ON THIS SHEET MAY NOT BE IMPLEMENTED INTO THE PROJECT.
- . REFER TO FIXTURE SPECIFICATIONS FOR COMPLETE FIXTURE INFORMATION. REFER TO FIXTURE MOUNTING DETAIL SHEETS FOR SPECIFIC
- MOUNTING CONDITIONS. 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. CONTRACTOR TO CONFIRM ALL REMOTE CONTROL GEAR LOCATIONS WITH LANDSCAPE OR FACILITY ARCHITECT. CONTRACTOR TO VERIFY EXACT MOUNTING LOCATION OF ALL
- ACCENT LIGHTS IN FIELD WITH LIGHTING DESIGNER. UNLESS OTHERWISE INDICATED, ALL MOUNTING BOXES FOR LIGHTING FIXTURES MOUNTED TO FACADES TO BE RECESSED INTO STRUCTURE. COORDINATE JBOX LOCATION WITH OTHER
- 8. INFORM CONSTRUCTION MANAGER IN WRITING IN A TIMELY WAY OF ANY DISCREPANCIES DISCOVERED.
-). CONTRACTOR TO VERIFY CONDITIONS ON WHICH THIS WORK DEPENDS IN OTHER ISSUED CONSTRUCTION DRAWINGS AND ON SITE SUCH AS BUT NOT LIMITED TO: - DIMENSIONS

- LEVELS - MATERIALS - DETAILS

- AVAILABILITY OF REQUIRED UTILITIES

ABBREVIATIONS

ABOVE FINISH FLOOR ABOVE FINISH GRADE ADJUSTABLE ARCH ARCHITECTURAL BLDG BUILDING BY OTHERS BOT BOTTOM BELOW CEILING CLG

CONSTR CONSTRUCTION CONTR CONTRACTOR CONT CONTINUOUS ELEVATION ELEC ELECTRICAL EQUAL EXT EXTERIOR FLOOR FLUORESCENT FLUOR FOOT OR FEET GENERAL CONTRACTOR GND GROUND GR GRADE HGT HORIZ HORIZONTAL INSIDE DIAMETER

INFO INFORMATION INTERIOR LENGTH MANUFACTURER MFG

"NIGHT LIGHT" (I.E. UNSWITCHED) NUMBER NOM NOMINAL NTS NOT TO SCALE ON CENTER OUTSIDE DIAMETER OWNER FURNISHED OWNER INSTALLED OFOI OPP OPPOSITE OVHD OVERHEAD REV REVISION

REFLECTED CEILING PLAN RCP SCHED SCHEDULE SECT SECTION SHT SHEET SIMII AR

SPECIFICATION STD NORMAL STR STRUCTURE TYPICAL UNLESS OTHERWISE NOTED UON

WEST, WIDTH, OR WOOD WITH W/O WITHOUT WATERPROOF XFMR TRANSFORMER SAME AS ABOVE

LUMINAIRE **ABBREVIATION**

NOT REQUIRED / NOT APPLICABLE

ACCENT / AIMABLE BOLLARD / PATH / STEP CHARACTER EFFECT / EXISTING FLOODLIGHT / SPOTLIGHT INGRADE HAZARDOUS / HERITAGE / HIGHBAY JUNCTION BOX

C(K)LEAN / GASKETED MULTILAMP / MILLWORK NICHE OR COVE [NOT USED] POLE / PARKING [NOT USED]

TROFFER SURFACE/STRIPLIGHT TRACK UNDERWATER

VANDAL WORKLIGHT / WALLPACK EXIT / EMERGENCY REMOTE EMERGENCY HEAD

[USED IN ZONING]

CHARACTER ABBREVIATION

- BOLLARD OR SHORT PEDESTAL BASE CLOSE CEILING
- GAS FLAME FOR LUMINAIRE
- MULTILAMP OR FESTOON LIGHTS PENDANT
- RECEPTACLE FOR LUMINAIRE PLUG
- TABLE LAMP W WALL MOUNTED
- SURFACE

CONTROLS

DAYLIGHT SENSOR. PHOTOCELL (OUTDOOR DAYLIGHT SENSOR).

CEILING MOUNTED OCCUPANCY SENSOR. SUBSCRIPTS: H = SUITABLE FOR HIGH HUMIDITY AREA B= HIGH BAY TYPE.

WALL/CORNER MOUNTED OCCUPANCY SENSOR.

LINE VOLTAGE SWITCH. SUBSCRIPTS: 3 = 3-WAY, 4 = 4-WAY, D = DIMMING, P = PILOT LIGHT, M=MOTION SENSOR, T = TIME SWITCH.

MULTIPLE SWITCHES UNDER COMMON PLATE. LETTER DESIGNATES SWITCHLEG.

SWITCHING TYPE WALL STATION

DIMMING TYPE WALL STATION

▶ ◀ PTN PARTITION SENSORS

JUNCTION BOX / REMOTE POWER SUPPLY / CONTROL DEVICE

SURFACE/RECESSED MOUNTED.

₩ WALL MOUNTED.

SUBSCRIPT DENOTES TYPE. REFER TO LIGHTING FIXTURE SCHEDULE.

SEE LIGHTING FIXTURE SCHEDULE FOR SPECIFIC PRODUCT REQUIREMENTS, LIGHTING FIXTURE CUT SHEETS HAVE ALSO BEEN PROVIDED FOR REFERENCE. SHADED SYMBOLS DENOTE LIGHT FIXTURES CONNECTED TO ESSENTIAL POWER.

LIGHTING LEGEND

<u>TAGS</u>

DENOTED 'DOS'.

TYPE CATEGORY

ZONE No.1

CONTROL ZONE TAG

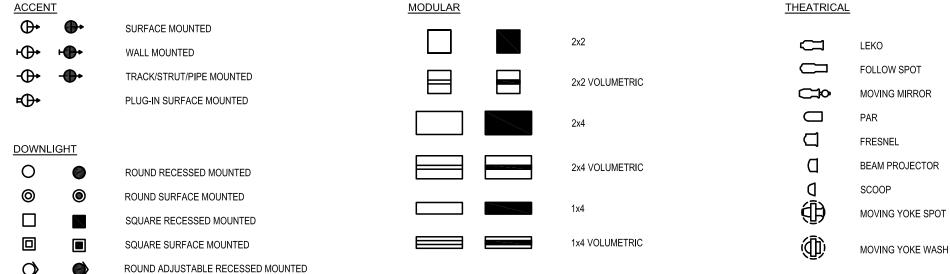
---- PRODUCT

LIGHTING FIXTURE MOUNTING HEIGHT TAG. DENOTES MOUNTING

HEIGHT FROM FINISHED FLOOR TO UNDERSIDE OF FIXTURE.

FIXTURE MOUNTING HEIGHTS TO BE DETERMINED ON SITE ARE

FIXTURE TYPE INDICATOR (SEE FIXTURE SCHEDULE)



MULTILAMP STRING

CEILING / UNDERCABINET

• • SUSPENDED INDIRECT/DIRECT

CHARACTER SURFACE MOUNTED SURFACE MOUNTED PENDANT MOUNTED PENDANT MOUNTED Ю № WALL MOUNTED WALL MOUNTED CEILING MOUNTED LIGHT BASE MOUNTED **⊕ ⊕**• BASE MOUNTED ONE HEAD

SQUARE ADJUSTABLE RECESSED MOUNTED

BASE MOUNTED TWO HEAD <u>NICHE</u> EMERGENCY BATTERY UNIT. SYMBOL IS GENERIC, REFER TO

SPECIFICATIONS FOR TYPES. FIBER OPTIC WALL MOUNT LUMINAIRE OR REMOTE EMERGENCY HEAD RECESSED CEILING MOUNT LUMINAIRE OR REMOTE EMERGENCY HEAD ARCHITECTURAL LINEAR / STRIP

IN-GRADE IN-GRADE IN-GRADE DIRECTIONAL

BOLLARD STEPLIGHT SURFACE MOUNTED STEPLIGHT RECESSED MOUNTED POLE - SINGLE HEAD

POLE - DOUBLE HEAD

<u>SPECIALTY</u> SURFACE MOUNTED WALL MOUNTED TRACK/STRUT/PIPE MOUNTED PLUG-IN SURFACE MOUNTED

MOVING PENDANT MOUNTED UNDERWATER NICHE UNDERWATER SURFACE MOUNTED

FO FIBER OPTIC GENERAL MOUNTED FIBER OPTIC ENDPOINT

EXIT SIGNS ARROWS INDICATE DIRECTION

CEILING MOUNT. SINGLE FACE CEILING MOUNT, DOUBLE FACE WALL MOUNT, SINGLE FACE WALL MOUNT, DOUBLE FACE

END WALL MOUNT, DOUBLE FACE

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

1 ISSUED FOR BIDS/PERMIT

Halton District School Board 2050 Guelph Line

Burlington, Ontario

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J. M. POTALIVO

100153872

True North

2023.03.10

Date

Key Plan N.T.S.

No Revisions

LIGHTING LEGEND AND FIXTURES SCHEDULE

05/01/2023 M.O. Checked by: Drawn by: Drawing No.



GENERAL NOTES

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 1600A, 120/208V-3Ø-4W MAIN SERVICE ENTRANCE SWITCHBOARD LOCATED IN THIS ELECTRICAL ROOM.

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

EXISTING ITE NLAB442L, 225A MAINS, 120/208V-3Ø-4W ELECTRICAL PANEL "LP-BB" TO REMAIN. ADD NEW BREAKERS IN AVAILABLE SPACES AND WIRE NEW LOADS AS INDICATED ON PLANS. REFER TO PANEL SCHEDULE ON DRAWING E400. ALL NEW BREAKERS CHARACTHERISTICS TO MATCH THOSE OF THE EXISTING BREAKERS. 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

EXISTING ITE, TYPE VB-6 DISTRIBUTION PANEL DP-E. ADD ONE (1) NEW 40A-2P BREAKER IN AVAILABLE SPACE AND WIRE TO NEW ROOFTOP MOUNTED CONDENSING UNIT CU-1 WITH 2#10+GROUND IN CONDUIT.

EXISTING ITE, TYPE VB-6 DISTRIBUTION PANEL DP-F. ADD ONE (1) NEW 40A-2P BREAKER IN AVAILABLE SPACE AND WIRE TO NEW ROOFTOP MOUNTED CONDENSING UNIT CU-2 WITH 2#10+GROUND IN CONDUIT.

Halton District School Board 2050 Guelph Line

Burlington, Ontario

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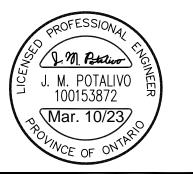
Snyder Architects Inc. 260 King St. E, Unit A101, Toronto, ON M5A 4L5 tel. 416.966.5444 fax. 416.966.4443 www.snyderarchitects.ca

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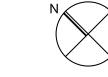
Mechanical and Electrical Consultants 1266 S. Service Rd, Stoney Creek, Ontario, L8E 5R9 Tel: 905-525-6069

Tel: 905-333-9119



Key Plan N.T.S.





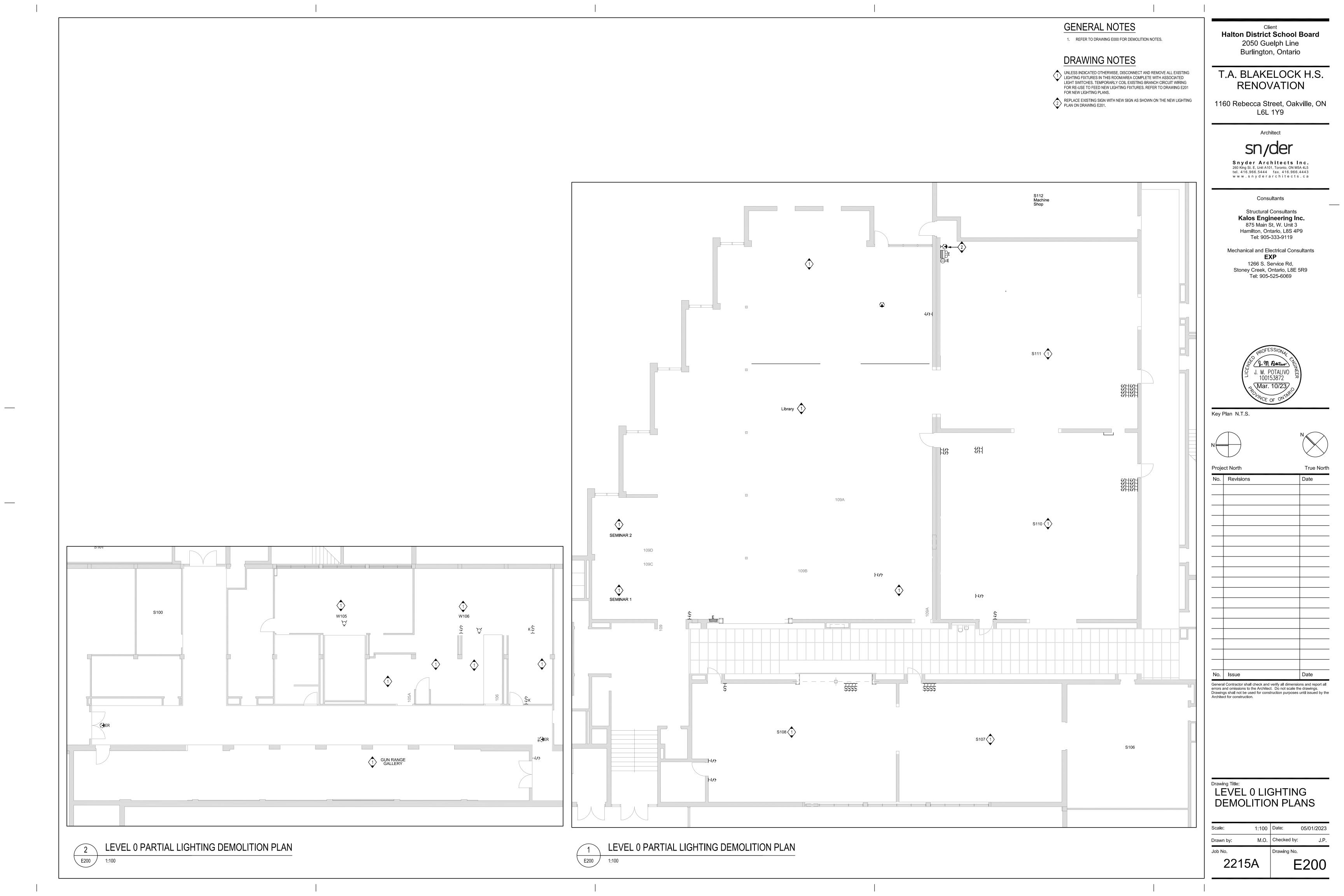
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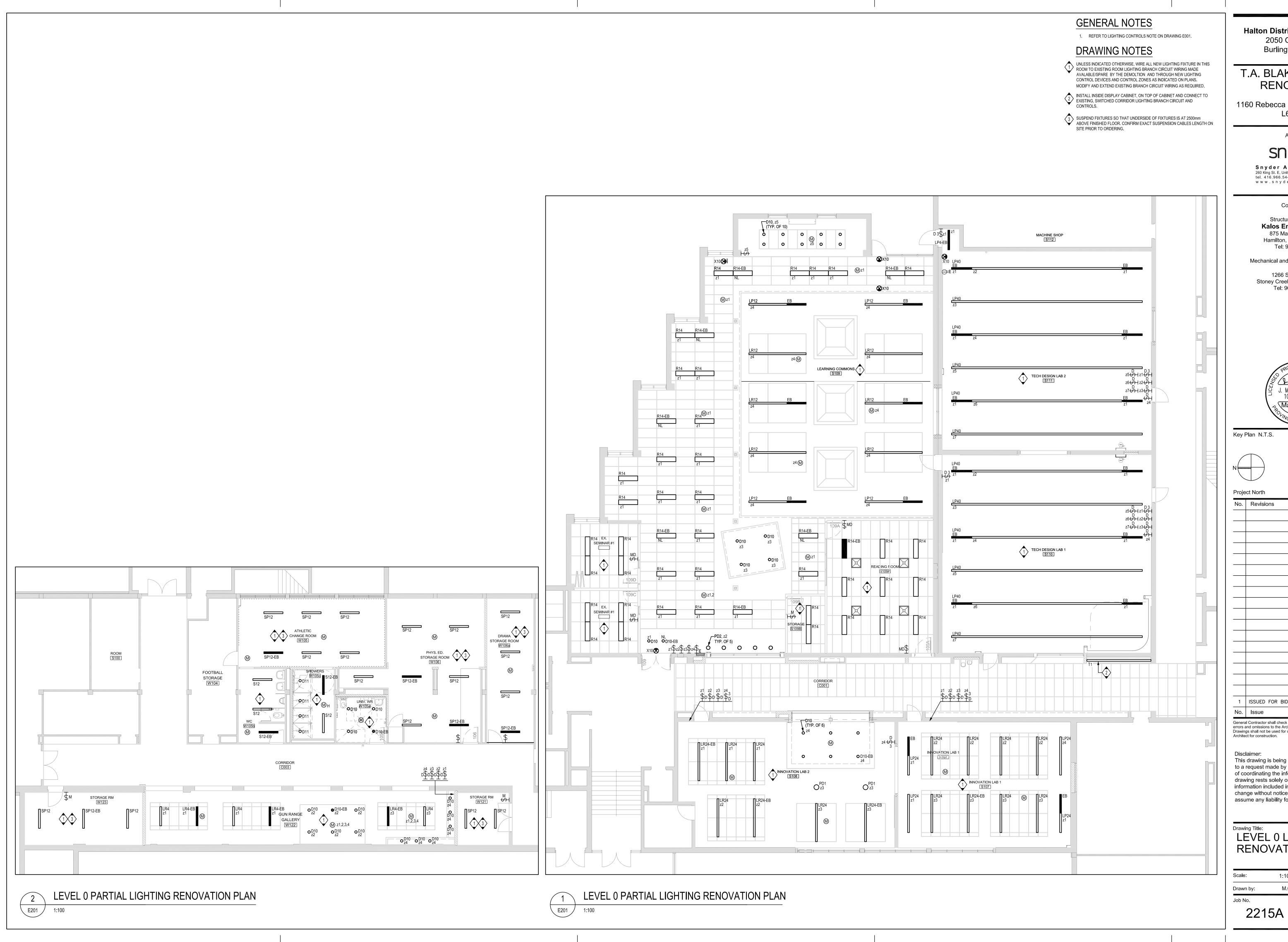
General Contractor shall check and verify all dimensions and report all errors and omissions to the Architect. Do not scale the drawings. Drawings shall not be used for construction purposes until issued by the Architect for construction.

Drawing Title: LEVELS 0 AND 1 **KEY PLANS**

AS NOTED Date: 05/01/2023 Drawn by:

2215A





Halton District School Board 2050 Guelph Line Burlington, Ontario

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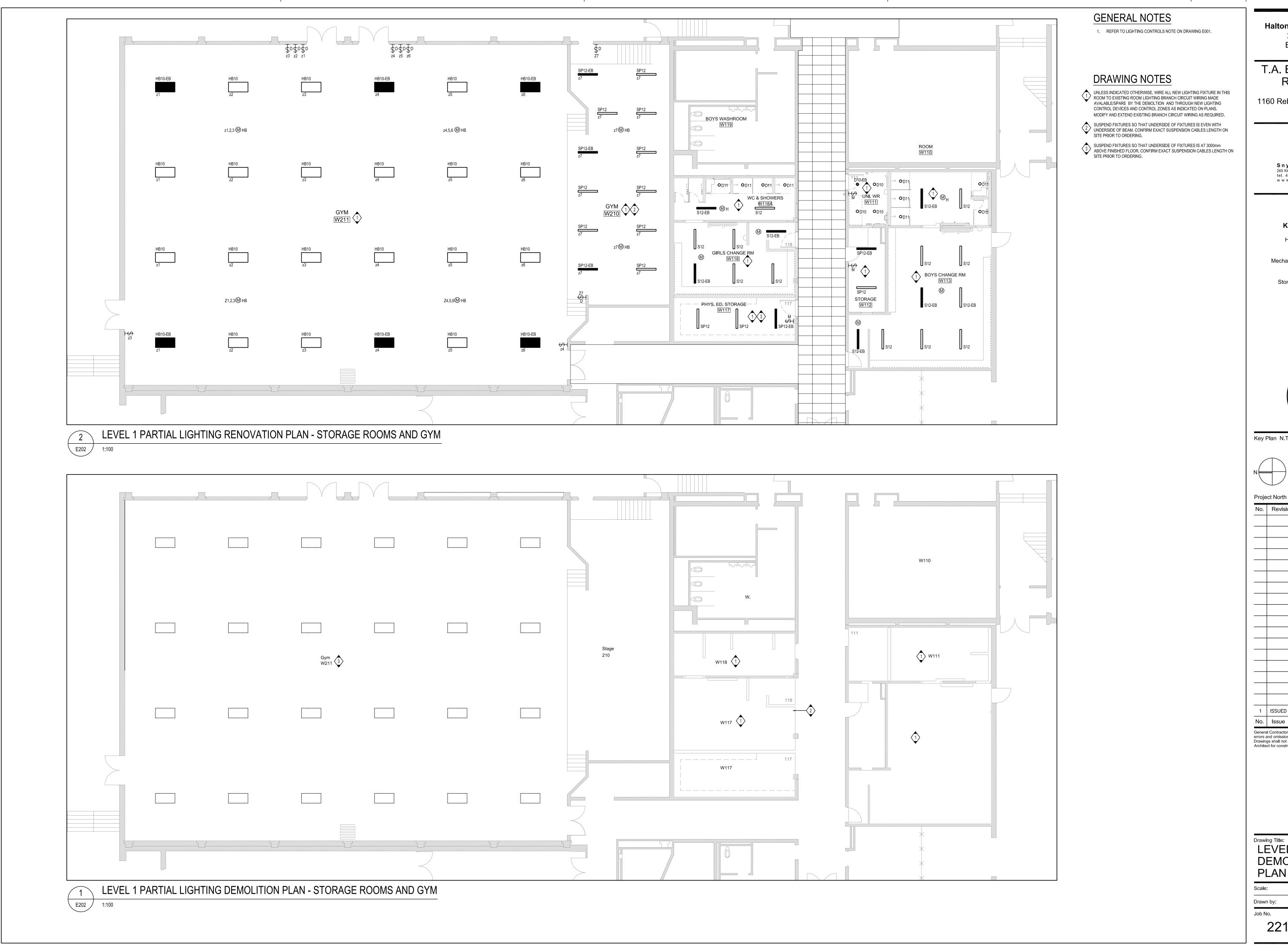
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This drawing is being issued at this time in response to a request made by a sub-contractor. The burden of coordinating the information contained in this drawing rests solely on the sub-contractor. The information included in this drawing is subject to change without notice and the Architect does not assume any liability for its content.

LEVEL 0 LIGHTING RENOVATION PLANS

Scale:	1:100	Date:	05/01/2023
Drawn by:	M.O.	Checked by:	J.P.
Job No.		Drawing No.	
2041	- ^	_	7004



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Key Plan N.T.S.



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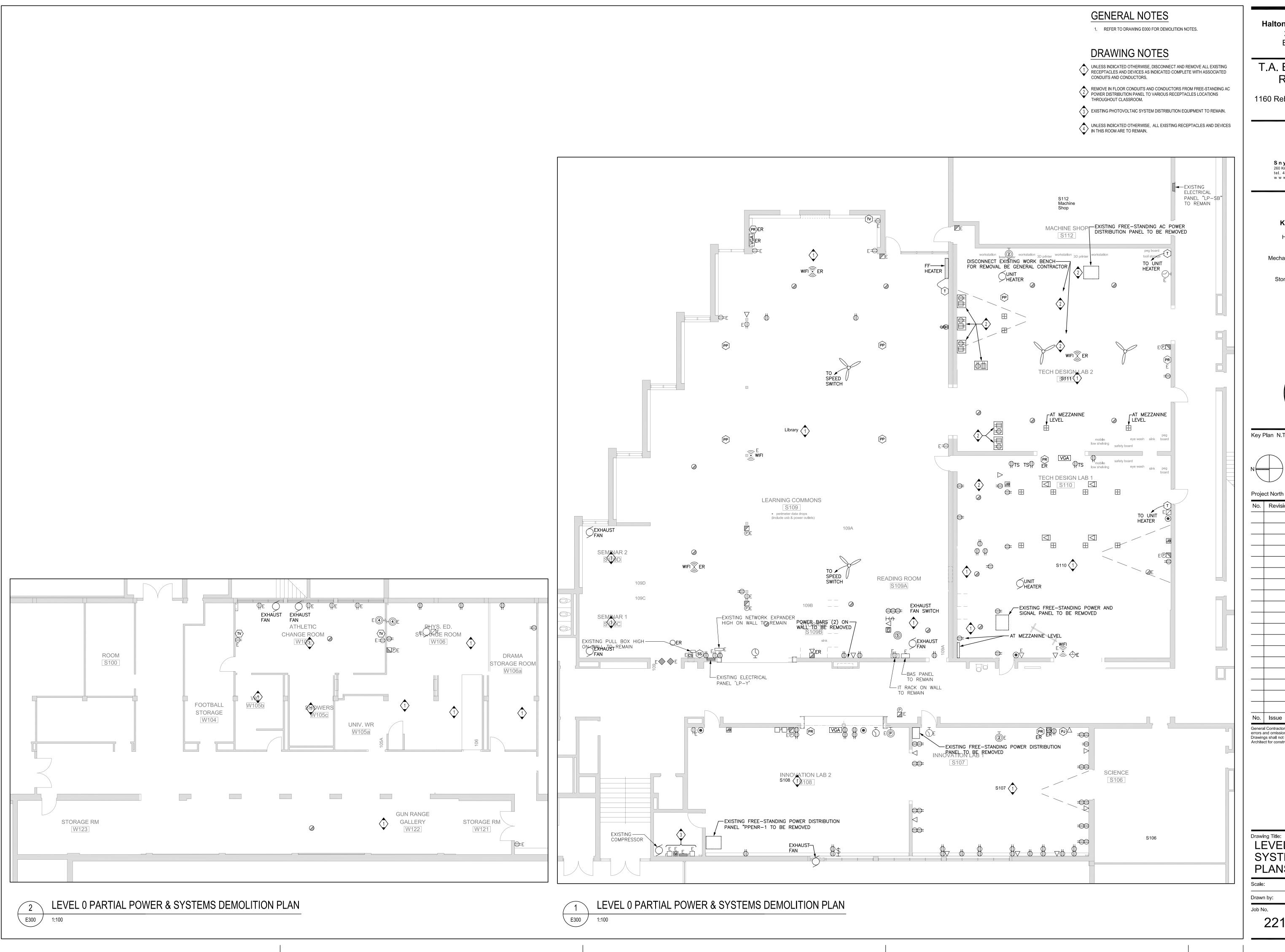
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Drawing Title:

LEVEL 1 LIGHTING **DEMOLITION**

1:100 Date: 05/01/2023 M.O. Checked by:

2215A



Halton District School Board

2050 Guelph Line Burlington, Ontario

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Consultants

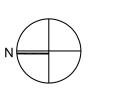
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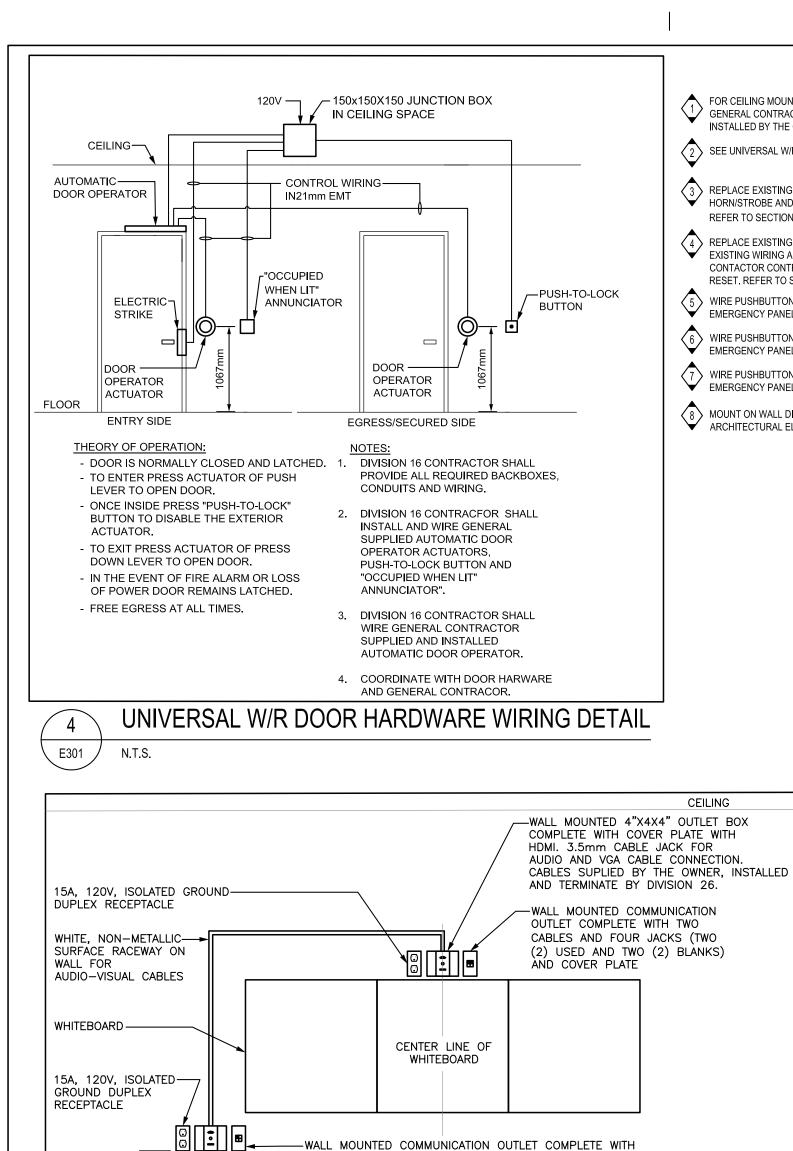
Key Plan N.T.S.



No.	Revisions	Date
No.	Issue	Date
errors a Drawing	Il Contractor shall check and verify all dimensio and omissions to the Architect. Do not scale the gs shall not be used for construction purposes of ct for construction.	e drawings.

LEVEL 0 POWER & SYSTEMS DEMOLITION **PLANS**

1:100 Date: 05/01/2023 M.O. Checked by: 2215A E300



TWO CABLES AND FOUR JACKS (TWO (2) USED AND TWO

SHORT-THROW PROJECTOR INSTALLATION AND WIRING DETAIL

(2) BLANKS) AND COVER PLATE

COMPLETE WITH COVER PLATE WITH HDMI. 3.5mm CABLE JACK FOR AUDIO AND VGA CABLE CONNECTION

AND TERMINATE BY DIVISION 26.

. INSTALLATION OF SHORT THROW PROJECTOR BY GENERAL CONTRACTOR. COORDINATE EXACT LOCATION

<u>NOTES</u>

、E301 /

E301

ON SITE PRIOR TO ROUGH-INS.

N.T.S.

CABLES SUPLIED BY THE OWNER, INSTALLED

FOR CEILING MOUNTED PROJECTOR. CONFIRM EXACT LOCATION WITH GENERAL CONTRACTOR PRIOR TO ROUGH-INS. PROJECTOR SUPLLIED AND INSTALLED BY THE GENERAL CONTRACTOR.

2 SEE UNIVERSAL W/R DOOR HARDWARE WIRING DETAIL ON THIS DRAWING. 3 REPLACE EXISTING FIRE ALARM HORN WITH NEW COMBINATION → HORN/STROBE AND MODIFY EXISTING WIRING AS REQUIRED AND CONNECT.

REFER TO SECTION 28 31 00. REPLACE EXISTING PUSHBUTTON WITH NEW PUSHBUTTON AND MODIFY EXISTING WIRING AS REQUIRED AND CONNECT TO PANEL RP-S110 CONTACTOR CONTROL CIRCUIT FOR EMERGENCY PANEL POWER-OFF AND RESET. REFER TO SECTION 26 27 26.

5 WIRE PUSHBUTTON TO PANEL RP-S111 CONTACTOR CONTROL CIRCUIT FOR EMERGENCY PANEL POWER-OFF AND RESET, REFER TO SECTION 26 27 26. 6 WIRE PUSHBUTTON TO PANEL RP-S107 CONTACTOR CONTROL CIRCUIT FOR ➤ EMERGENCY PANEL POWER-OFF AND RESET. REFER TO SECTION 26 27 26.

7 WIRE PUSHBUTTON TO PANEL RP-S108 CONTACTOR CONTROL CIRCUIT FOR EMERGENCY PANEL POWER-OFF AND RESET, REFER TO SECTION 26 27 26.

8 MOUNT ON WALL DIRECTLY ABOVE THE DRY-ERASE WALL COVER. REFER TO ALL NEW CIRCUIT NUMBERS SHOWN IN THE ROOM FOR RECEPTACLES INCLUDING THOSE IN WALL RACEWAYS ARE FROM PANEL RP-S111. ARCHITECTURAL ELEVATIONS AND DETAILS.

DRAWING NOTES

(16) ALL NEW CIRCUIT NUMBERS SHOWN IN THIS ROOM FOR RECEPTACLES (9) INSTALL ON WALL WITH BOTTOM OF RACEWAY AT 1000mm ABOVE FINISHED INCLUDING THOSE IN WALL RACEWAYS ARE FROM PANEL RP-S110.

(10) INSTALL ON WALL WITH BOTTOM OF RACEWAY AT 915mm ABOVE FINISHED 17 ALL NEW CIRCUIT NUMBERS SHOWN IN THIS ROOM FOR RECEPTACLES

1525 ABOVE FINISHED FLOOR TO CENTRE OF OUTLET, COORDINATE

PROVIDE A 15A, 120V BRANCH CIRCUIT FOR HANDS-FREE OPERATION

LAVATORY AND TOILET AS SHOWN ON PLAN. TERMINATE BRANCH CIRCUIT

HANDS-FREE DEVICES AND WIRING INCLUDING LOW VOLTGAGE WIRING

MECHANICAL CONTRACTOR. COORDINATE TRANSFORMER LOCATION ON

FROM SECONDARY SIDE OF TRANSFOMER TO DEVICES SHALL BE BY

INSTALLATION ON SITE WITH GENERAL CONTRACTOR.

SITE WITH MECHANICAL PRIOR TO ROUGH-IN.

INCLUDING THOSE IN WALL RACEWAYS ARE FROM PANEL RP-S107. 11 INSTALL ON WALL WITH TOP OF RACEWAY AT 300mm ABOVE FINISHED (18) ALL NEW CIRCUIT NUMBERS SHOWN IN THIS ROOM FOR RECEPTACLES

INCLUDING THOSE IN WALL RACEWAYS ARE FROM PANEL RP-S108. ⟨12⟩ INSTALL ON WALL WITH CENTRE OF RACEWAY AT 4500mm ABOVE FINISHED (19) FOR GENERAL CONTRACTOR SUPPLIED AND INSTALLED ELECTRIC FIREPLACE, CONFIRM EXACT LOCATION OF RECEPTACLE ON SITE WITH GENERAL CONTRACTOR PRIOR TO ROUGH-IN. FOR GENERAL CONTRACTOR SUPLIED AND INSTALL TV MONITOR. MOUNT AT

FOR GENERAL CONTRACTOR SUPPLIED AND INSTALLED REFRIGERATED DRINKING FOUNTAIN/WATER BOTTLE FILLING STATION. CONFIRM EXACT LOCATION OF RECEPTACLE ON SITE WITH GENERAL CONTRACTOR PRIOR

DISCONNECT EXISTING PANEL MAIN FEEDER AND OF EXISTING TO REMAIN TO PRIMARY SIDE OF MECHANICAL CONTRACTOR SUPPLIED AND INSTALLED 21 LOADS BRANCH CIRCUIT WIRING AND REMOVE PANEL AND REPLACE WITH CONTROL TRANSFORMER IN CEILING SPACE ABOVE LAVATORY AND TOILET. NEW PANEL "LP-Y".

MODIFY/EXTEND/RE-ROUTE EXISTING MAIN FEEDER AND EXISTING TO REMAIN LOADS BRANCH CIRCUIT WIRING AND CONNECT TO NEW PANEL MAINS AND BREAKERS AND CONNECT NEW LOADS TO PANEL AS SHOWN ON PLANS. REFER TO NEW PANEL "LP-Y" SCHEDULE ON DRAWING E400. CONFIRM EXACT SCOPE ON SITE.

22 TYPICAL BRANCH CIRCUIT IDENTIFICATION FOR PANELS IN ROOMS \$107, ▼ S108, S110 AND S111. (I.E. CIRCUIT No.1, PANEL RP-S111).

25 NEW ELECTRICAL PANEL RP-S107, SEE PANEL SCHEDULE ON DRAWING E400.

LEVEL 0. RE-USE EXISTING FEEDER AND CONDUITS AND MODIFY, EXTEND

EXISTING LAMACOID NAMEPLATE ON EXISTING DISCONNECT SWITCH WITH

AND RE-ROUTE AS REQUIRED AND CONNECT TO NEW PANEL, REPLACE

NEW MATCHING EXISTING WITH THE INSCRIPTION "PANEL RP-S107".

(26) NEW ELECTRICAL PANEL RP-S108. SEE PANEL SCHEDULE ON DRAWING E400.

SWITCHBOARD ON LEVEL 0. RE-USE EXISTING FEEDER AND CONDUITS AND

MODIFY, EXTEND AND RE-ROUTE AS REQUIRED AND CONNECT TO NEW

FEED NEW PANEL FROM EXISTING DISCONNECT SWITCH TAGGED AS

"INDUSTRIAL PHYSICS" IN EXISTING MAIN SERVICE ENTRANCE

PANEL. REPLACE EXISTING LAMACOID NAMEPLATE ON EXISTING

DISCONNECT SWITCH WITH NEW MATCHING EXISTING WITH THE

"DRAFTING ROOM" IN EXISTING MAIN SERVICE ENTRANCE SWITCHBOARD ON

FEED NEW PANEL FROM EXISTING DISCONNECT SWITCH TAGGED AS

SITE PRIOR TO ROUGH-INS.

INSCRIPTION "PANEL RP-S108".

ON THIS DRAWING.

(27) NEW ELECTRICAL PANEL RP-S110. SEE PANEL SCHEDULE ON DRAWING E400. FEED NEW PANEL FROM EXISTING DISCONNECT SWITCH TAGGED AS "ELECTRONIC SHOPS" IN EXISTING MAIN SERVICE ENTRANCE SWITCHBOARD 23 OVERHEAD DOOR COMPLETE WITH OPERATOR AND DEVICES ON LEVEL 0, RE-USE EXISTING FEEDER AND CONDUITS AND MODIFY. (I.E. CONTROLLER, SENSORS, SWITCHES, ETC.), SHALL BE SUPPLIED, EXTEND AND RE-ROUTE AS REQUIRED AND CONNECT TO NEW PANEL. REPLACE EXISTING LAMACOID NAMEPLATE ON EXISTING DISCONNECT INSTALLED AND WIRED BY THE DOOR SUPPLIER

SWITCH WITH NEW MATCHING EXISTING WITH THE INSCRIPTION "PANEL DIVISION 26 CONTRACTOR SHALL WIRE POWER TO OPERATOR AND CONTROL WIRING FROM OPERATOR TO CONTROLLER PER DOOR SUPPLIER'S RECOMMENDATIONS. COORDINATE WITH DOOR SUPPLIER ON (24) SEE SHORT-THROW PROJECTOR INSTALLATION AND WIRING DETAIL

NEW ELECTRICAL PANEL RP-S111. SEE PANEL SCHEDULE ON DRAWING E400. FEED NEW PANEL FROM EXISTING DISCONNECT SWITCH TAGGED AS "ELECTRICAL SHOP" IN EXISTING MAIN SERVICE ENTRANCE SWITCHBOARD ON LEVEL 0. RE-USE EXISTING FEEDER AND CONDUITS AND MODIFY, EXTEND AND RE-ROUTE AS REQUIRED AND CONNECT TO NEW PANEL. REPLACE EXISTING LAMACOID NAMEPLATE ON EXISTING DISCONNECT SWITCH WITH NEW MATCHING EXISTING WITH THE INSCRIPTION "PANEL

MACHINE SHOP

S112

CONTROLLER

GENERAL NOTES REFER TO DRAWING ME300 FOR MECHANICAL AND ELECTRICAL

EQUIPMENT SCHEDULES AND WIRING DETAILS. PRIOR TO BIDDING, ELECTRICAL CONTRACTOR SHALL VISIT SITE AND

BE FAMILIAR WITH ALL EXISTING CONDITIONS INCLUDING BUT NOT LIMITED TO EQUIPMENT LOCATIONS AND OTHER POSSIBLE INSTALLATION DIFFICULTIES. PAY AND OBTAIN ANY PERMITS REQUIRED INCLUDING ESA.

CONTRACTOR SHALL ACCOUNT FOR POSSIBLE DAMAGE AND REPAIR TO EXISTING CEILING AND LIGHT FIXTURES. ALL MAIN CONDUIT RUNS SHALL BE IN CORRIDOR CEILING SPACE.

4. ALL NEW RECEPTACLES IN THE SCHOOL SHALL BE TAMPER RESISTANT TYPE.

REMOVE AND RE-INSTATE ALL REQUIRED T-BAR OR DRY TYPE CEILINGS TO FACILITATE ELECTRICAL INSTALLATIONS. ANY DAMGES TO T-BAR SHALL BE RE-INSTATED.

6. CONTRACTOR SHALL ACCOUNT FOR POSSIBLE DAMAGE AND REPAIR TO CEILING TILES FOR CONDUIT RUNS FROM PANELS TO NEW ELECTRICAL DEVICES.

7. 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.

✓—EXISTING

ELECTRICAL

TO REMAIN

PANEL "LP-\$B'

Architect

Snyder Architects Inc. 260 King St. E, Unit A101, Toronto, ON M5A 4L5 tel. 416.966.5444 fax. 416.966.4443

Halton District School Board

2050 Guelph Line

Burlington, Ontario

T.A. BLAKELOCK H.S.

RENOVATION

1160 Rebecca Street, Oakville, ON

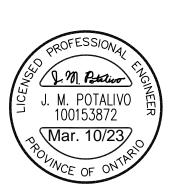
L6L 1Y9

Consultants

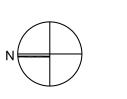
www.snyderarchitects.ca

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



Key Plan N.T.S.



ISSUED FOR BIDS/PERMIT 2023.03.10

errors and omissions to the Architect. Do not scale the drawings. Drawings shall not be used for construction purposes until issued by the

This drawing is being issued at this time in response to a request made by a sub-contractor. The burden of coordinating the information contained in this drawing rests solely on the sub-contractor. The information included in this drawing is subject to change without notice and the Architect does not assume any liability for its content.

LEVEL 0 POWER & SYSTEMS RENOVATION

PLANS 1 100 Date 05/01/2023 M.O. Checked by:

E301

EXISTING — COMPRESSOR

(28) RP-S111-トゲキュ SEMINAR 2 S109D S109C -EXISTING NETWORK EXPANDER F HIGH ON WALL TO REMAIN S109B EXISTING PULL BOX HIGH + ON WALL TO REMAIN LBAS PANEL —EXISTING ELECTRICAL (21) TO REMAIN PANEL 'LP-Y' -IT RACK ON WALL TO REMAIN

INNOVATION LAB 2 \$108

ATHLETIC CHANGE ROOM W105 PHYS ED STORAGE ROOM ROOM S100 W106 STORAGE ROOM W106a STORAGE W105b W104 CORRIDOR C003

FINISHED FLOOR

GUN RANGE GALLERY W122

LEVEL 0 PARTIAL POWER & SYSTEMS RENOVATION PLAN

E302

LEVEL 0 PARTIAL POWER & SYSTEMS RENOVATION PLAN



Halton District School Board 2050 Guelph Line Burlington, Ontario

T.A. BLAKELOCK H.S. RENOVATION

1160 Rebecca Street, Oakville, ON L6L 1Y9

Architect



Snyder Architects Inc. 260 King St. E, Unit A101, Toronto, ON M5A 4L5 tel. 416.966.5444 fax. 416.966.4443 www.snyderarchitects.ca

Consultants

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Key Plan N.T.S.



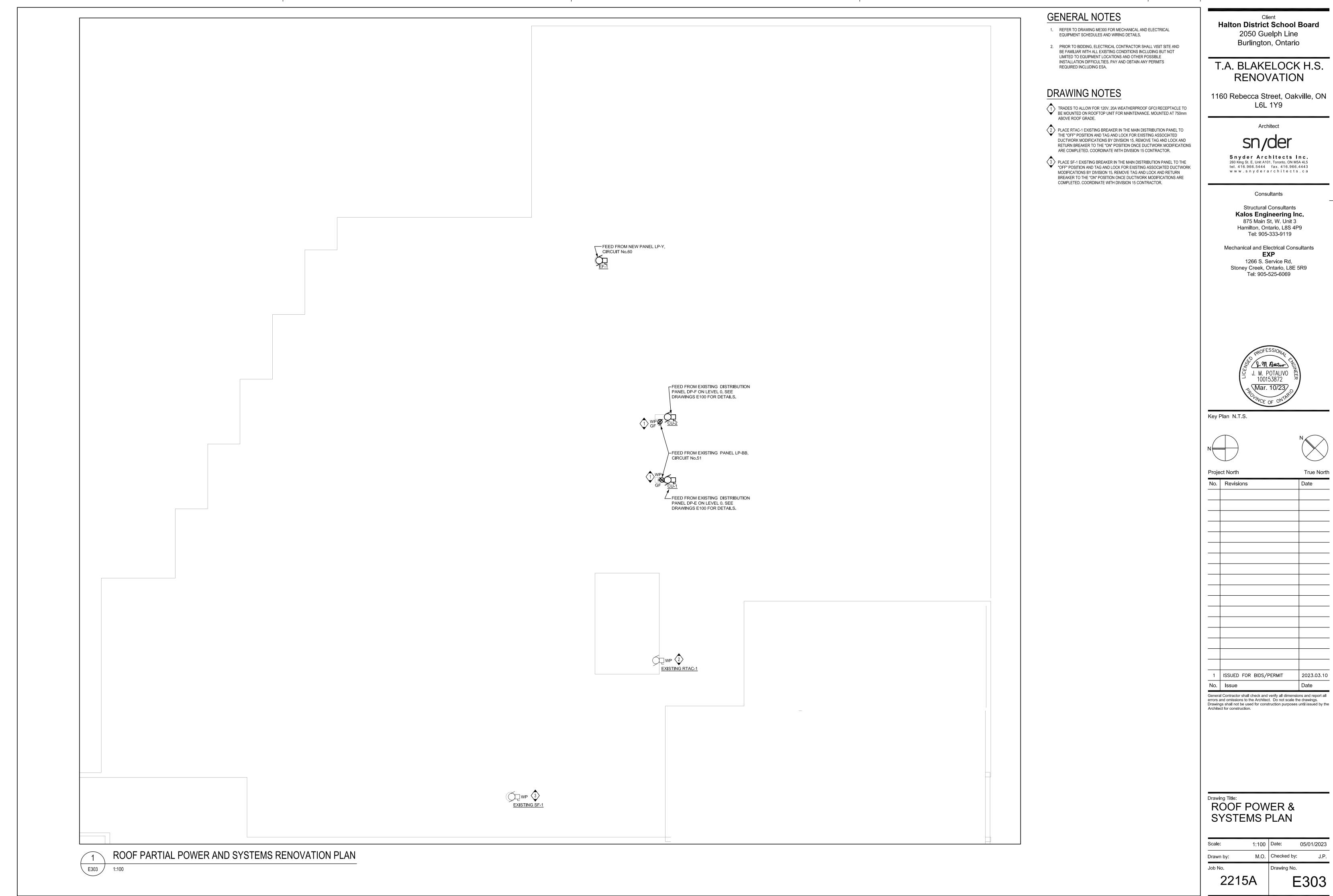
1 ISSUED FOR BIDS/PERMIT

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

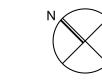
LEVEL 1 POWER & SYSTEMS DEMOLITION & RENOVATIONS PLANS

1:100 Date: M.O. Checked by:

> 2215A E302



Halton District School Board



True North

05/01/2023

PANEL LOCATION: LEVEL O ELECTRIC MAINS: 225A 120/208V 3ø 4W BUSSING: COPPER	CAL ROC	М						RCUIT PANELBOARD (DOUBLE TUB) SURE: TYPE 1 10kA
LOAD DESCRIPTION	VA	1	BRKR	П	BRKR] [VA	LOAD DESCRIPTION
EXISTING LOAD		1	15A 15A	$\!$	15A 15A	2		EXISTING LOAD
EXISTING LOAD		3	15A_	$oxed{\sqcup}$	15A 	4		EXISTING LOAD
EXISTING LOAD		5		Щ	15A_	6		EXISTING LOAD
EXISTING LOAD		7	15A	Щ	15A_	8		EXISTING LOAD
EXISTING LOAD		9	15A	Щ	15A_	10		EXISTING LOAD
EXISTING LOAD		11	15A_	Щ	15A_	12		EXISTING LOAD
EXISTING LOAD		13	15A	Щ	15A_	14		EXISTING LOAD
		15	50A	Щ	15A_	16		EXISTING LOAD
EXISTING LOAD		17	50A_	Щ	15A_	18		EXISTING LOAD
		19	50A	Щ	50A	20		
EXISTING LOAD		21	15A_	Щ	50A	22		EXISTING LOAD
EXISTING LOAD		23	15A	Щ	50A	24		
UH-1	300	25	15A	Щ	60A	26		
UH-2	300	27	15A	Ц	60A	28		EXISTING LOAD
HAND DRYER - UNI. WASHROOM	1450	29	*20A	Ц	60A	30		
AUTOMATIC TOILET/FAUCET	1 100	31	15A	Ц	50A	32		
AOTOMATIC TOILLITTAGELT		33	15A	Ц	50A	34		EXISTING LOAD
EXISTING LOAD		35	15A		50A	36		LAISTING LOAD
EXISTING LOAD		37	15A	П	15A	38		
EMERG. CALL FOR ASSISTANCE	150	39	15A	П	15A	40		EVICTING LOAD
POWER SUPPLY	150	┢	15A	П	15A	\vdash		EXISTING LOAD
AUTOMATIC DOOR OPERATOR	300	41	15A	П	40A	42		
EXISTING LOAD		43	20A	П		44		En. 4
GF RECEPTACLE	200	45	15A	П		46	7970	ERV-1
WIREMOLD RECEPTACLES	600	47	15A	П	20A	48		
WIREMOLD RECEPTACLES	800	49	20A	П	20A	50		
CU-1 & CU-2 UTILITY RECEPTS.	500	51	15A	П	20A	52		EXISTING LOAD
EXISTING SPACE		53	15A	П	15A	54		
EXISTING SPACE		55		H	15A	56		EXISTING LOAD
EXISTING LOAD		57	15A	$\dag \uparrow$	15A	58		EXISTING LOAD
EXISTING LOAD		59	($\dag \dag$	15A	60		EXISTING LOAD
EXISTING LOAD		61		$\dag \uparrow$	15A	62		EXISTING SPACE
EXISTING LOAD		63		$\dag \uparrow$	15A	64		EXISTING SPACE
EXISTING SPACE		65	15A	${\sf H}$	15A	66		EXISTING SPACE
EXISTING SPACE		67	1 <u>5</u> A	${\sf H}$	1 <u>5</u> A	68		EXISTING SPACE
EXISTING SPACE		69	 ^ -	${\sf H}$	 ^^-	70		EXISTING SPACE
EXISTING SPACE		71	 	${\sf H}$	 ^-	72		EXISTING SPACE
EXISTING SPACE		73	-^-	${f H}$	 ^-	74		EXISTING SPACE
EXISTING SPACE		75	 - ^-	╫	 ^- -	76		EXISTING SPACE
EXISTING SPACE		77	 - ^-	${\sf H}$	 	78		EXISTING SPACE
EXISTING SPACE		79	 - ~-	4	 	80		EXISTING SPACE
EXISTING SPACE		81	<u> -</u>		 - ^-	82		EXISTING SPACE
		_	1		i	-		

* - INDICATES GFCI BREAKER. ** - INDICATES BREAKER LOCK-ON DEVICE.

PANEL SCHEDULE NOTES

- 1. ELECTRICAL CONTRACTOR TO TRACE ALL EXISTING TO REMAIN DEVICES TO CONFIRM SOURCE PANEL PRIOR TO DEMOLITION AND REPLACEMENT OF EXISTING PANELBOARDS.
- 2. ALL EXISTING TO REMAIN DEVICES AND CORRESPONDING CIRCUITRY TO NOT BE REUSED FOR ANY NEW POWER DEVICES UNLESS OTHERWISE NOTED ON PLAN.
- 3. TRADES TO REVIEW ALL PANELS BEING REMOVED/REPLACED AND SITE VERIFY ALL EXISTING CIRCUIT BREAKERS TO REMAIN TO CORRECTLY CAPTURE REQUIRED CIRCUIT BREAKERS DURING SHOP DRAWING PHASE.
- 4. TRADES TO REVIEW ALL EXISTING PANEL BEING RE-PURPOSED TO DETERMINE EXACT EXISTING/NEW CIRCUIT BREAKER REQUIREMENTS DURING SHOP DRAWING PHASE.
 5. TRADES TO PROVIDE ACCURATE PANEL SCHEDULES FOR ALL PANELS WITHIN PROJECT
- SCOPE UPON COMPLETION OF CONSTRUCTION.

 5. TRADES TO RE-USE SPARE CIRCUITS MADE AVAILABLE BY DEMOLITION WITHIN EXISTING,

RELOCATED & NEW PANELBOARDS.

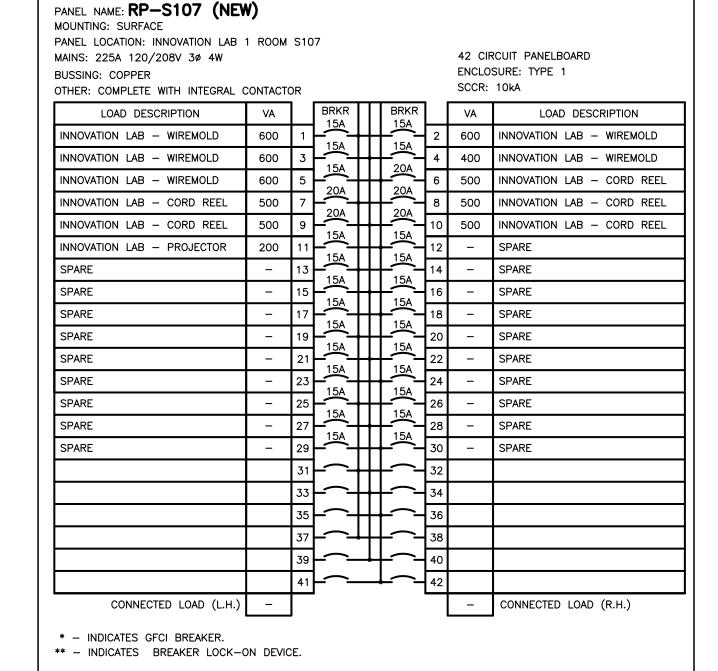
PANEL LOCATION: CORRIDOR LEVEL MAINS: 225A 120/208V 3Ø 4W BUSSING: COPPER	1							RCUIT PANELBOARD SURE: TYPE 1 10kA
LOAD DESCRIPTION	VA]	BRKR 15A		BRKR		VA	LOAD DESCRIPTION
EXISTING TO BE RECONNECTED		1	├ ─┼	Н	15A	2		EXISTING TO BE RECONNECTED
EXISTING TO BE RECONNECTED		3	15A	Н	15A	4		EXISTING TO BE RECONNECTED
EXISTING TO BE RECONNECTED		5	15A 15A	Н	15A	6		EXISTING TO BE RECONNECTED
EXISTING TO BE RECONNECTED		7	15A	Н	20A 20A	8		EXISTING TO BE RECONNECTED
EXISTING TO BE RECONNECTED		9	20A 20A	H	20A	10		EXISTING TO BE RECONNECTED
EXISTING TO BE RECONNECTED		11	20A 20A	Н	20A	12		EXISTING TO BE RECONNECTED
EXISTING TO BE RECONNECTED		13	20A	Н	20A	14		EXISTING TO BE RECONNECTED
EXISTING TO BE RECONNECTED		15	20A 20A	Н	20A	16		EXISTING TO BE RECONNECTED
EXISTING TO BE RECONNECTED		17	20A	Н	20A	18		EXISTING TO BE RECONNECTED
EXISTING TO BE RECONNECTED		19	20A	Н	20A 15A	20		EXISTING TO BE RECONNECTED
EXISTING TO BE RECONNECTED		21	20A 15A	Н	15A	22		EXISTING TO BE RECONNECTED
EXISTING TO BE RECONNECTED		23	15A	Н	70A	24		
EXISTING TO BE RECONNECTED		25 27	20A 20A		70A 70A 1	26 28		EXISTING TO BE RECONNECTED
EXISTING TO BE RECONNECTED		29	15A	Ц	15A	30		EXISTING TO BE RECONNECTED
HAND DRYER - GIRLS WASHROOM	1450	31	20A	Н	*20A	32	1450	HAND DRYER - BOYS WASHROOM
HAND DRYER - UNI. WASHROOM	1450	33	20A	Н	15A	34	200	AUTOMATIC TOILET/FAUCET
EMERG. CALL FOR ASSISTANCE POWER SUPPLY	150	35	15A 70A	Н	15A	36	300	AUTOMATIC DOOR OPERATOR
	2000	37		Н	15A	38	500	WASHER
DRYER	2000	39	<u> </u>	Ц	20A	40	1000	ICE MAKER
CH-1	300	41	15A	_	15A	42	300	CH-2
CONNECTED LOAD (L.H.)	-		3				_	CONNECTED LOAD (R.H.)

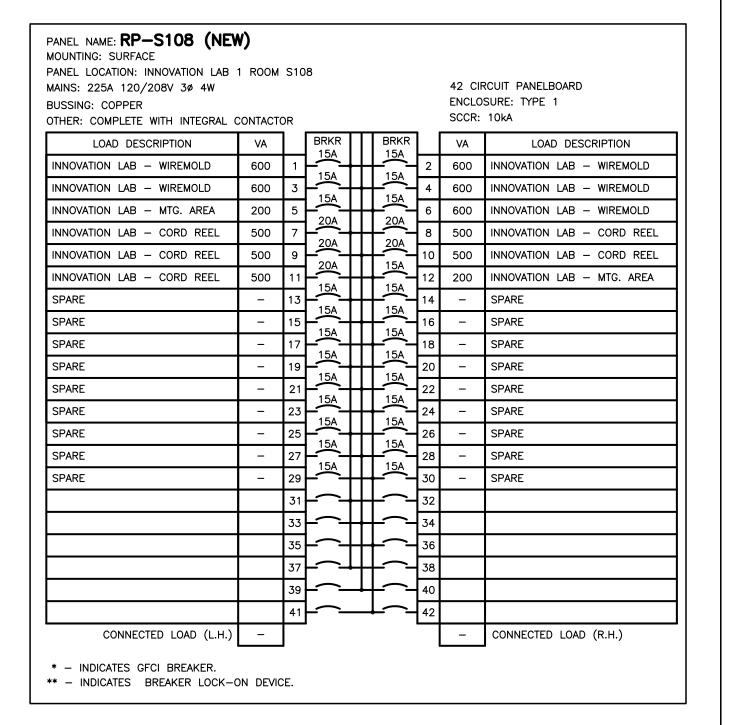
MOUNTING: RECESSED PANEL LOCATION: LEARNING COMMON MAINS: 225A 120/208V 3ø 4W BUSSING: COPPER	NS S109	9						RCUIT PANELBOARD SURE: TYPE 1 10kA
LOAD DESCRIPTION	VA	1	BRKR		BRKR]	VA	LOAD DESCRIPTION
EXISTING TO BE RECONNECTED		1	15A	+	15A 15.1	2		EXISTING TO BE RECONNECTE
EXISTING TO BE RECONNECTED		3	15A	+	15A 15.	4		EXISTING TO BE RECONNECTE
EXISTING TO BE RECONNECTED		5	15A	+	15A_	6		EXISTING TO BE RECONNECTE
EXISTING TO BE RECONNECTED		7	15A	+	15A 15.1	8		EXISTING TO BE RECONNECTE
EXISTING TO BE RECONNECTED		9	15A	+	15A 15.	10		EXISTING TO BE RECONNECTE
EXISTING TO BE RECONNECTED		11	15A	+	15A	12		EXISTING TO BE RECONNECTE
EXISTING TO BE RECONNECTED		13	15A	╬	15A 15A	14		EXISTING TO BE RECONNECTE
EXISTING TO BE RECONNECTED		15	15A	+	15A_	16		EXISTING TO BE RECONNECTE
EXISTING TO BE RECONNECTED		17	15A 15A	+	15A 15A	18		EXISTING TO BE RECONNECTE
EXISTING TO BE RECONNECTED		19	15A	+	15A 15A	20		EXISTING TO BE RECONNECTE
EXISTING TO BE RECONNECTED		21	15A 15A	+	15A	22		EXISTING TO BE RECONNECTE
EXISTING TO BE RECONNECTED		23	15A 15A	+	15A 15A	24		EXISTING TO BE RECONNECTE
EXISTING TO BE RECONNECTED		25	15A	+	15A 15A	26		EXISTING TO BE RECONNECTE
EXISTING TO BE RECONNECTED		27	15A	+	15A 15A	28		EXISTING TO BE RECONNECTE
EXISTING TO BE RECONNECTED		29	15A 15A	╀	15A 15A	30		EXISTING TO BE RECONNECTE
EXISTING TO BE RECONNECTED		31	15A	+	15A 15A	32		EXISTING TO BE RECONNECTE
EXISTING TO BE RECONNECTED		33	15A 15A	+	15A 15A	34		EXISTING TO BE RECONNECTE
EXISTING TO BE RECONNECTED		35	15A 15A	+	15A 15A	36		EXISTING TO BE RECONNECTE
EXISTING TO BE RECONNECTED		37	15A 15A	+	15A 15A	38		EXISTING TO BE RECONNECTE
EXISTING TO BE RECONNECTED		39	15A 15A	+	15A 15A	40		EXISTING TO BE RECONNECTE
EXISTING TO BE RECONNECTED		41	15A 15A	╂	15A 15A	42		EXISTING TO BE RECONNECTE
FC-1A/1B	250	43	15A 15A	+	15A 15A	44	250	FC-2A/2B
rc-Tay IB	250	45	┝╱╌┤	+	15A 15A	46	250	FC-2A/2B
OVERHEAD MOTOR	1000	47	15A 15A	+	15A 15A	48	800	LEARNING COMMONS - WIRE
LEARNING COMMONS — WIREMOLD	800	49	15A 15A	+	15A 15A	50	800	LEARNING COMMONS - WIREI
LEARNING COMMONS — WIREMOLD	800	51	15A 15A	╁	15A 15A	52	800	LEARNING COMMONS - WIRE
LEARNING COMMONS — FIREPLACE	1000	53	15A 15A	+	15A 15A	54	1000	LEARNING COMMONS - WIRE
COMMONS/READING RM - RECS.	800	55	15A	+	15A 15A	56	500	READING ROOM - RECEPTACI
GF RECEPTACLE	250	57	15A 15A		15A 15A	58	800	READING ROOMS - WIREMOLI
OVERHEAD MOTOR	1000	59			15A_	60	300	ROOFTOP MOUNTED EF-1
CONNECTED LOAD (L.H.)	_						_	CONNECTED LOAD (R.H.)

ANEL LOCATION: INNOVATION LAB IAINS: 225A 120/208V 3ø 4W USSING: COPPER THER: COMPLETE WITH INTEGRAL C			O						RCUIT PANELBOARD SURE: TYPE 1 10kA
LOAD DESCRIPTION	VA	1	BRKR		T	BRKR		VA	LOAD DESCRIPTION
TECH DESIGN LAB — WIREMOLD	800	1	15A 15A	+	+	15A 20A	2	600	TECH DESIGN LAB — WIREMOLD
TECH DESIGN LAB - PROJECTOR	200	3	15A 20A	+	+	20A 20A	4	500	TECH DESIGN LAB - CORD REEL
TECH DESIGN LAB — CORD REEL	500	5	20A 20A	+	╁	20A	6	500	TECH DESIGN LAB — CORD REEL
TECH DESIGN LAB - CORD REEL	500	7	20A 20A	+	+	20A 20A	8	500	TECH DESIGN LAB — CORD REEL
TECH DESIGN LAB - CORD REEL	500	9	20A 20A	╁	+	20A 20A	10	500	TECH DESIGN LAB - CORD REEL
TECH DESIGN LAB — CORD REEL	500	11	20A 15A	+	+	15A	12	500	TECH DESIGN LAB — CORD REEL
SPARE	-	13	15A	+	+	15A 15A	14	-	SPARE
SPARE	-	15	15A	+	╁	15A 15A	16	ı	SPARE
SPARE	-	17	1 <u>5A</u>	+	+	15A 15A	18	-	SPARE
SPARE	ı	19	15A	+	+	15A	20	ı	SPARE
SPARE	ı	21	15A	+	+	15A	22	ı	SPARE
SPARE	ı	23	15A	+	+	15A	24	1	SPARE
SPARE	1	25	15A	+	+	15A	26	ı	SPARE
SPARE	1	27	15A	+	+	15A	28	ı	SPARE
SPARE	1	29	┝ᢡᢆᡰ	+	+		30	1	SPARE
		31	 	+	+		32		
		33	├─╁	+	\dagger	<u> </u>	34		
		35	├─╁	+	\dagger		36		
		37	├─┤	+	+	$\overline{}$	38		
		39	 ^ -	+	+		40		
		41	 		1		42		
CONNECTED LOAD (L.H.)	_							-	CONNECTED LOAD (R.H.)

ANEL LOCATION: INNOVATION LAB 1 AINS: 225A 120/208V 3ø 4W USSING: COPPER THER: COMPLETE WITH INTEGRAL C			•					RCUIT PANELBOARD SURE: TYPE 1 10kA
LOAD DESCRIPTION	VA	1	BRKR		BRKR		VA	LOAD DESCRIPTION
TECH DESIGN LAB — WIREMOLD	800	1	15A 15A	+	15A 20A	2	800	TECH DESIGN LAB — WIREMOLD
TECH DESIGN LAB — WIREMOLD	600	3	15A 20A	+	20A	4	200	TECH DESIGN LAB — DED. WRMLD
TECH DESIGN LAB — DED. WRMLD	200	5	20A 20A	+	20A 20A	6	200	TECH DESIGN LAB — DED. WRMLD
TECH DESIGN LAB — CORD REEL	500	7	┝╲┼┼	+		8	500	TECH DESIGN LAB — CORD REEL
TECH DESIGN LAB — CORD REEL	500	9	20A 20A	+	20A	10	500	TECH DESIGN LAB - CORD REEL
TECH DESIGN LAB — CORD REEL	500	11	20A 1	+	20A 20A	12	500	TECH DESIGN LAB - CORD REEL
TECH DESIGN LAB — CORD REEL	500	13	├─┼	+	20A 20A	14	500	TECH DESIGN LAB — CORD REEL
TECH DESIGN LAB — CORD REEL	500	15	20A	+	20A 20A	16	500	TECH DESIGN LAB - CORD REEL
TECH DESIGN LAB — CORD REEL	500	17	20A 15A	+	20A 15A	18	500	TECH DESIGN LAB - CORD REEL
TECH DESIGN LAB — PROJECTOR	200	19	15A 1 <u>5</u> A	+	15A 15A	20	-	SPARE
SPARE	=	21	┝╲┼┼	+	15A 15A	22	-	SPARE
SPARE	-	23	15A 15A	+		24	-	SPARE
SPARE	-	25	15A	+	15A 15A	26	-	SPARE
SPARE	=	27	15A 15A	+	15A 15A	28	-	SPARE
SPARE	-	29	15A	+	_15A	30	-	SPARE
		31	 ~ #	+		32		
		33	├─┼	+		34		
		35	├─╫	+		36		
		37	├─┴	+		38		
		39	├─┴	+		40		
		41	<u> </u>	ļ		42		

** - INDICATES BREAKER LOCK-ON DEVICE.





Halton District School Board
2050 Guelph Line
Burlington, Ontario

T.A. BLAKELOCK H.S. RENOVATION

1160 Rebecca Street, Oakville, ON L6L 1Y9

Architect

sn/de

Snyder Architects Inc. 260 King St. E, Unit A101, Toronto, ON M5A 4L5 tel. 416.966.5444 fax. 416.966.4443 www.snyderarchitects.ca

Consultants

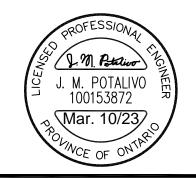
Structural Consultants **Kalos Engineering Inc.**875 Main St, W. Unit 3

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



Key Plan N.T.S.





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PANELBOARD SCHEDULES

Scale: N.T.S. Date: 05/01/2023

Drawn by: M.O. Checked by: J.P.

Job No. Drawing No.

5A F40

E400

** - INDICATES BREAKER LOCK-ON DEVICE.

JOB NAME:																	T.A. E	BLAKELOCK HIG	SH SCHOOL RENO	OVATIONS											ALL-22020201
																		ME	CHANICAL SC	HEDULE - ENE	RGY RECOVE	RY UNIT									
							SUPPL	YFAN					EXHAUST F	\N		_	SUMMER CO	ONDITIONS			WINTER CO	NDITIONS									
DWG. DESIG.	SYSTEM	MODEL	SPEC TY	PE WEIGH		ON TYF	'E 4	IPPLY AIR CFM)	ESP (IN.WC)	MOTOR (KW)	FUNCTION	TYPE	SUPPL AIR (CFM)	ESP		AIR TEM	PERATURE	LATENT EFI	SENS. EFF	AIR TEMP	ERATURE	LATENT EFF	SENS. EFF		ELECTRIC COIL		MECHANICAL REMARKS		ELECTRIC <i>i</i>	AL	ELECTRICAL WIRING INSTRUCTIONS
							(0	SFIVI)					(CFM)			LAT (DB/WB) (°F)	EAT (DB/WB) (°F)			LAT (DB/WB) (°F)	EAT (DB/WB) (°F)			COIL SIZE (KW)	POWER SUPP (V)	LY ELECTRICAL CONNECTION		MCA	мсор	VAC/ø	
ERV-1	FRESH AIR	SYSTEMAIR TOPVEX FR800		423	VENTILA	ENEF	- 1	550	0.5	0.48	VENTILATIO	ENERG N RECOV RY	-	0.5	0.47	74/49	81/60	69.5	75.5	55/60	-4/90	82	78.6	4.5	3 x 208	SINGLE POIN' POWER CONNECTION	DIRECT DRIVE HIGH EFFICIENCY EC FAN. OUTDOOR AI	ID 29.5	40	208/3	DIV 16 TO PROVIDE NEMA TYPE 1 NON-FUSIBLE DISCONNECT SWITCH ADJACENT UNIT AND WIRE 208V/3 PHASE FEEDER TO UNIT THROUGH DISCONNECT SWITCH. SUPPLY, INSTALLATION OR REMOTE TIMECLOCK CONTROLLER AND ALL CONTROL WIRING BY DIVISION 15.

JOB NAME:								T.A. BLAK	(ELOCK HIGH SCH	HOOL RENOVATION	IS							ALL-22020201
	MECHANICAL SCHEDULE - CONDENSING UNITS																	
DWG.	EVAPORATOR UNIT	SYSTEM and ROOM	MODEL	WEIGHT		COOLI	COOLING HEATING		MECHANICAL DEMARKS	WIRING FOR	R MECHANIC	AL EQUIPMI	ENT SCHEDULE					
DESIGNATION	DESIGNATION	SYSTEM and ROOM	MODEL	(LBS)	AMBIENT (°F)	DEFECTION DEFECTION DEFECTION		MECHANICAL REMARKS	MOTOR (KW)	MCA FLA	МСОР	VAC/ø	- ELECTRICAL WIRING INSTRUCTIONS					
CU-1 CU-2	FC-1A/B FC-2A/2B	TECH LAB 01/02	CITY MULTI PUMY-P36NKMU3	267	115	36	49	12.6	-13	42	53	15	INVERTER DRIVEN SCROLL HERMETIC COMPRESSOR. R410A REFRIGERANT. HIGH PRESSURE SWITCH. OVERCURRENT DETECTION.	2.8	29	44	208 / 1	DIV. 16 TO PROVIDE NEMA TYPE 3R NON-FUSIB DISCONNECT SWITCH ADJACENT UNIT AND WIRE 208V/1 PHASE FEEDER TO UNIT THROUGH DISCONNECT SWITCH. ALL CONTROL WIRING BY DIV. 15.

THERMOSTATS SUPPLIED BY DIVISION 15 AND

INSTALLED AND WIRED TO UNITS BY DIVISION 16.

THERMOSTATS SUPPLIED BY DIVISION 15 AND

INSTALLED AND WIRED TO UNITS BY DIVISION 16.

JOB NAME:				T.A. BLAKELOCK HIGH SCHOOL RENOVATIONS				ALL-22020201	
				MECHANICAL SCHEDULE - TERMINA	L HEATERS				
DWG.					WIRING FOI	R MECHANICAL EQUIPMEN			
DESIGNATION	MODEL	MODEL GPM CFM MBH	MECHANICAL REMARKS	MOTOR HP / W	MCA FLA	VAC/Ø	ELECTRICAL WIRING INSTRUCTIONS		

ARRANGEMENT #024, STAINLESS STEEL CASING, HERESITE COATED COIL,

TOTALLY ENCLOSED MOTOR, C/W REMOTE T-STAT (LINE VOLTAGE)

TOTALLY ENCLOSED MOTOR, C/W REMOTE T-STAT (LINE VOLTAGE)

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

910

NOTE: EWT = 180° F, DELTA T = 20° F

CH-1, CH-2

UH-1, UH-2

ENGINEERED AIR

ENGINEERED AIR

JOB NAME:	T.A. BLAKELOCK HIGH S	CHOOL RENOVATI	ONS											ALL-22020201
								MECHANICA	L SCHEDULE - FANS					
DWG.	SYSTEM		FLOW	ESP	TSP			WEIGHT		WIRING FO	OR MECHAN	ICAL EQUIPN	MENT SCHEDULE	
DESIGNATION	and ROOM	MODEL	(CFM)	(IN W.G.)	(IN W.G.)	RPM	VFD	LBS	MECHANICAL REMARKS	MOTOR W or HP	MCA	МСОР	VAC/ø	ELECTRICAL WIRING INSTRUCTIONS
EF-1	S111 TECH LAB 2	GREENHECK GB-098-4	350	0.5	0.548	1725	NO	78	GPI 18IN ROOF CURB. BD-100 EXHAUST DAMPER. NEMA-1 TOGGLE SWITCH. JUNCTION BOX MOUNTED AND WIRED.	0.25 HP	3	15	208/3	DIVISION 16 TO WIRE 208V-3 PHASE POWER TO FAN MOUNTED JUNCTION BOX

JOB NAME:								T.A. BLA	KELOCK HIG	H SCHOOL R	ENOVATION	NS				
	MECHANICAL SCHEDULE - VRF FAN COILS															
DWG. S		MODEL	SPEC TYPE	INTEGRATED SYSTEM TAG	CFM				TOTAL	TOTAL			WIRING FOR MECHANICAL EQUIPMENT SCHEDUL			
	SYSTEM and ROOM				MIN	MAX	OA	ESP (IN W.G)	ESP COOLING		WEIGHT LBS	MECHANICAL REMARKS	MOTOR (KW)	MCA	МСОР	VAC/ø
FC-1A, FC-1B, FC-2A, FC-2B	TECH LAB 01 TECH LAB 02	CITY MULTI PKFY-P18NLMU-E-TH	VRF	CU-1 CU-2	240	440	-	-	18	20	28.4	WALL MOUNTED DUCTLESS TYPE. DIVISION 16 TO PROVIDE A NEMA TYPE 1 NON-FUSIBLE DISCONNECT SWITCH ADJACENT UNIT AND WIRE 208V/1 PHASE FEEDER TO UNIT THROUGH DISCONNECT SWITCH. ALL CONTROL WIRING BY DIVISION 15.	0.03	0.24	-	208 / 1

Halton District School Board 2050 Guelph Line Burlington, Ontario

T.A. BLAKELOCK H.S.

1160 Rebecca Street, Oakville, ON L6L 1Y9

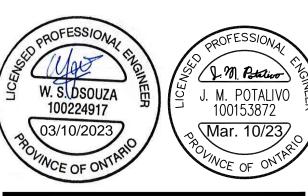
Architect



Consultants

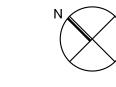
Structural Consultants Kalos Engineering Inc. 875 Main St, W. Unit 3 Hamilton, Ontario, L8S 4P9 Tel: 905-333-9119

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



Key Plan N.T.S.





True North No. Revisions 2. Issued for Bids / Permit 2023 03 10

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2023 02 08

1. Issued for Bids

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Drawing Title:

MECHANICAL & **ELECTRICAL SCHEDULES**

05/01/2023 Drawn by: C.M. / M.O. | Checked by: W.D. / J.P. 2215A1 ME100