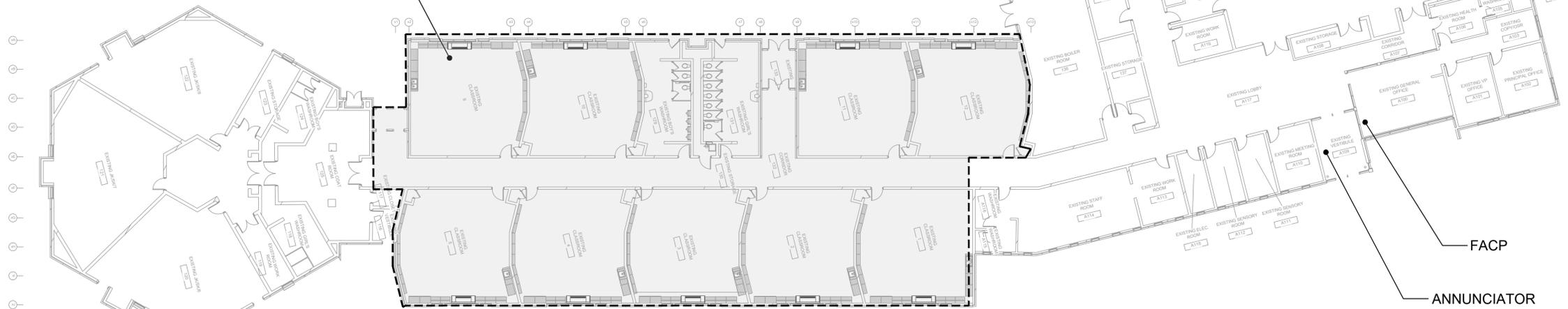


ELECTRICAL SYMBOLS		NOTE: ALL SYMBOLS MAY NOT BE USED			
LIGHTING		POWER		GENERAL	
	LIGHT FIXTURE TYPE AS INDICATED		WALL MOUNTED RECEPTACLE (15A-120V)	ER	INDICATED EXISTING ITEM TO REMAIN
	LIGHT FIXTURE (HATCHING DENOTES NIGHTLIGHT)		WALL MOUNTED T-SLOT RECEPTACLE (20A-120V)	D	INDICATES EXISTING ITEM TO BE DELETED
	COMBINATION EMERGENCY/EXIT TYPE AS INDICATED (EM-X INDICATES BATTERY UNIT TYPE, DC-X INDICATES DC CIRCUIT, AND X-X INDICATES AC SOURCE CIRCUIT)		T-SLOT RECEPTACLE MTD. ABOVE COUNTER (20A-120V)	R	INDICATES EXISTING ITEM TO BE RELOCATED/IN RELOCATED POSITION
	CEILING OR WALL MOUNTED LIGHT FIXTURE TYPE AS INDICATED		DIRECT CONNECTION	WG	WIREGUARD
	POLE MOUNTED LIGHT FIXTURE		JUNCTION BOX	GF	GROUND FAULT
	WALL MOUNTED EXIT LIGHT SHADING INDICATES FACE		PANEL AS INDICATED	WP	WEATHERPROOF
	CEILING MOUNTED EXIT LIGHT ARROWS DENOTE DIRECTION SHADING INDICATES FACE	SECURITY		(X)	NOTE INDICATOR
	SINGLE OR TWIN EMERGENCY LIGHTING FIXTURE		SECURITY DETECTOR (SURFACE MOUNTED)	(X)	MECHANICAL ITEM NO.
	RECESSED REMOTE EMERGENCY FIXTURES	COMMUNICATIONS		(A)	OWNERS EQUIPMENT ITEM NO.
	CEILING RECESSED BATTERY UNIT C/W INTEGRAL EMERGENCY FIXTURES		SINGLE WALL MOUNTED TELEPHONE OUTLET C/W 1/2" (13mm) C TO CABLE MANAGEMENT SYSTEM.	ELECTRIC HEAT	
	BATTERY UNIT WITH INTEGRAL EMERGENCY FIXTURE (EM-X INDICATES BATTERY UNIT TYPE, DC-X INDICATES DC CIRCUIT, AND X-X INDICATES AC SOURCE CIRCUIT)		SINGLE COMPUTER OUTLET C/W 3/4" (21mm) C TO CABLE MANAGEMENT SYSTEM.		FAN FORCED ELECTRIC HEATER (TYPE AS INDICATED)
	SINGLE POLE SWITCH (3-3 WAY, 4-4 WAY, P=PILOT LIGHT, K=KEYED, DM=DIMMER, M=MOTOR RATED)		COMBINATION SINGLE VOICE/ SINGLE COMPUTER OUTLET UNLESS OTHERWISE NOTED C/W 1" (27mm) C TO CABLE MANAGEMENT SYSTEM. # INDICATES THE QUANTITY OF ACTIVE PARTS. LEFT VALUE ALWAYS INDICATES VOICE.	STANDARD CIRCUIT LABELING	
	OCCUPANCY SENSOR (PASSIVE)		WIRELESS ACCESS POINT. PROVIDE 1/2" (21mm) C TO CABLE MANAGEMENT SYSTEM	POWER PANEL LABEL CIRCUIT INDICATION SWITCH LEG (IF APPLICABLE)	
	OCCUPANCY SENSOR: OSD=DUAL TECHNOLOGY OSR=DUAL CIRCUIT/DUAL TECHNOLOGY		CLOCK AS PER SPECIFICATIONS	A-1-1	
	CEILING MOUNTED MOTION SENSOR		TELEVISION OUTLET C/W 1" (27mm) TO CABLE MANAGEMENT SYSTEM.		
	DIGITAL ROOM CONTROLLER		HANGER SYSTEM (REFER TO DETAILS)		
FIRE ALARM			ADMINISTRATIVE CONTROL CONSOLE		
	HEAT DETECTOR (135 DEGREE RATE OF RISE AND FIXED TEMPERATURE)		HANDSET (ND = NON-DIAL STYLE)		
	HEAT DETECTOR (135 DEGREE FIXED TEMPERATURE)		P.A. CALL SWITCH		
	FIRE SMOKE DAMPER		WALL MOUNTED SPEAKER (CS=COLUMN SPEAKER)		
	PULLSTATION		WALL MOUNTED SPEAKER C/W CALL-IN SWITCH		
	ALARM BELL C/W STROBE		CEILING MOUNTED SPEAKER		
			AUXILIARY ROUGH-IN FOR USE AS NOTED.		



REFER TO DRAWINGS E2.01 & E3.01 FOR WORK IN THIS AREA



OVERALL KEYPLAN
SCALE: 1:200



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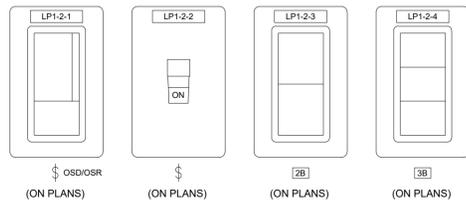
2025-03-10 ISSUED FOR TENDER



Crestview Public School
 ROOF REPLACEMENT
 KEY PLAN, LEGEND & SCHEDULES

153 Merridale Dr., Kitchener, ON
 Project No.: 1167B
 Drawn By: AY
 Plot Date: 3-MAR-26

E1.01

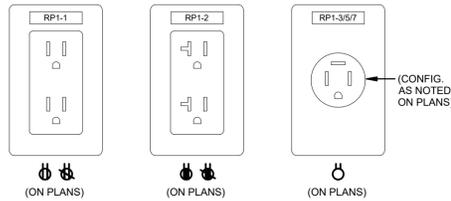


NOTES:

- 1 LIGHT SWITCHES ARE TO BE C/W P-TOUCH LABEL.
- 2 LABEL IS TO BE WHITE WITH TYPE-WRITTEN BLACK LETTERING AND PLACED CENTERLINE OF SWITCH AS SHOWN.
- 3 CIRCUIT DESCRIPTOR IS TO BE C/W POWER PANEL, CIRCUIT INDICATION, AND SWITCH LEG.

A-LIGHT SWITCH LABELLING DETAIL

SCALE: NTS



NOTES:

- 1 RECEPTACLES ARE TO BE C/W P-TOUCH LABEL.
- 2 LABEL IS TO BE WHITE WITH TYPE-WRITTEN BLACK LETTERING AND PLACED CENTERLINE OF RECEPTACLE AS SHOWN.
- 3 CIRCUIT DESCRIPTOR IS TO BE C/W POWER PANEL AND CIRCUIT INDICATION.

B-RECEPTACLE LABELLING DETAIL

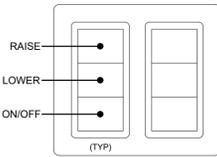
SCALE: NTS

LIGHT FIXTURE SCHEDULE (INTERIOR)

Item	Manufacturer/Catalog Number	Voltage	Lamp					Mounting	Listings	Description
			Type	Lumens	Colour Temperature	Wattage	CRI			
L1	COOPER CAT. #2GR-LD1-48-A-UNV-L840-CD1 LITHONIA CAT. #207L4-48LZ-LP840 SIGNIFY CAT. #2T248L840-4-FS-02F-UNV-DIM	120V	LED	4800	4000K	45	80	SURFACE	N/A	2X4 (610mmX1220mm) LED TROFFER C/W PATTERN 12 LENS AND WHITE FINISH.
L2	COOPER CAT. #242GT4540C LITHONIA CAT. #CPX 1X4 5000LM 80CRI 40K 5WL MIN10 ZT MVOLT SIGNIFY CAT. #2FP238L840-4-D8-UNV-DIM	120V	LED	4351	4000K	36.4	80	RECESSED	N/A	2X4 (610mmX1220mm) LED TROFFER C/W PATTERN 12 LENS AND WHITE FINISH.
L3	COOPER CAT. #140GT4050C LITHONIA CAT. #CPX 1X4 5000LM 80CRI 40K 5WL MIN10 ZT MVOLT SIGNIFY CAT. #FP238L840-4-D8-UNV-DIM	120V	LED	4351	4000K	36.4	80	RECESSED	N/A	1X4 (300mmX1220mm) LED TROFFER C/W PATTERN 12 LENS AND WHITE FINISH.
EXIT LIGHTS	AIMLITE CAT. #RPA1WMMHTUNVDC STANPRO CAT. #RPA1WMMHTUNVDC LUMACELL CAT. #LA3WUX	12V/120V	LED	-	-	2.5 WATT (MAX. AC BATTERY DC)	N/A	SURFACE	N/A	LED EXTRUDED ALUMINUM PICTOGRAM FIXTURE C/W GREEN FACE AND WHITE LEGEND. UNIVERSAL MOUNTING TO SUIT WALL END OR CEILING. AND MAXIMUM 2.5" (63mm) THICKNESS. FACES AND CHEVRONS TO SUIT DRAWINGS.
EMERG. BATT. (LINEAR STYLE)	AIMLITE #EBWL SERIES: EM-7 #EBWL-EMWH-TB-2-ATD-VDR STANPRO CAT. #EBWL SERIES: EM-7 #EBWL-EMWH-TB-2W-AT-TP LUMACELL #ELB SERIES: EM-7 #ELB-EM C/W KIT-GR-L	120V	LED	-	-	14W	N/A	RECESSED	N/A	LONG LIFE, SEALED RECHARGABLE VANDAL RESISTANT BATTERY C/W ADJUSTABLE 14W LED MODULES. POLYCARBONATE BODY. 90 MINUTE BATTERY DURATION. RECESSED 1-BAR MOUNTING. AND AUTOTEST FEATURE.

Notes:

1. LED LUMEN VALUES QUOTED FOR FIXTURES ARE TO BE CONSIDERED MINIMUM, AND AS ABSOLUTE OR DELIVERED LUMENS. LUMEN VALUES SHOULD NOT EXCEED MORE THAN 10% OF SPECIFIED OUTPUT.
2. TENDER PRICE TO INCLUDE ONLY APPROVED MANUFACTURERS LISTED ON SCHEDULE. EQUAL MANUFACTURERS ARE NOT BEING CONSIDERED FOR THIS TENDER UNLESS SPECIFICALLY IDENTIFIED ON SCHEDULE FOR NOTED APPROVED EQUALS TO BE CONSIDERED APPROVED. MANUFACTURERS/SUPPLIERS MUST CONFIRM THE PROPOSED EQUAL BY EMAIL WITH CONSULTANTS OFFICE PRIOR TO PROJECT ADDENDUM PERIOD CLOSE.
3. WHERE NOTED ABOVE THAT FIXTURES ARE TO HAVE FINISH TO SUIT ARCHITECT THE FINISH WILL BE SELECTED FROM MANUFACTURERS AVAILABLE STANDARD FINISHES.
4. IT IS THE RESPONSIBILITY OF THIS ELECTRICAL CONTRACTOR TO IDENTIFY TO THE ELECTRICAL CONSULTANT'S ATTENTION ANY DISCREPANCIES BETWEEN THE FIXTURE CATALOG NUMBER AND FIXTURE DESCRIPTION, AND/OR VOLTAGE, OUTPUT, OR MOUNTING. PRIOR TO TENDER CLOSE. NO EXTRAS WILL BE ENTERED FOR FAILURE TO DO SO. FINAL FIXTURE CHARACTERISTICS AND DESCRIPTION WILL BE MARKED BY CONSULTANT AT THE TIME OF SHOP DRAWING REVIEW. FOR THE PURPOSES OF BIDDING, INCLUDING FOR A FIXTURE MATCHING THE VOLTAGE, MOUNTING, LOCATION AND NOTATIONS SHOWN ON LIGHTING DESIGN DRAWINGS.



C-3B (TWO) WALLSTATION CONFIGURATION

SCALE: NTS

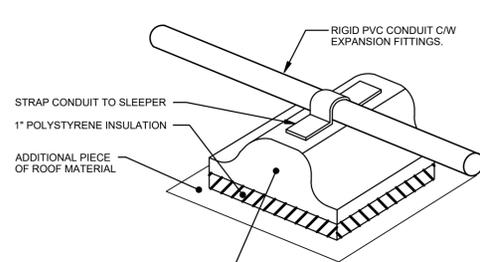
(ON PLANS)

NOTES:

- 1 REFER TO LIGHTING PLANS FOR GROUPINGS.
- 2 WALLSTATION BUTTONS TO BE ENGRAVED WITH LABELS ACCORDING TO LEVEL AS NOTED. COORDINATE LABELS WITH PROVIDE BUTTON ENGRAVING WORKSHEET WITH SHOP DRAWING SUBMISSION FOR REVIEW. WORKSHEETS TO BE COMPLETED FOR EACH CONTROL STATION GROUP. USE SINGLE MULTI-GANG FACEPLATE, FINISH PER SPECIFICATIONS.
- 3 REFER TO SPECIFICATIONS FOR INFORMATION REGARDING PROGRAMMING OF INPUT DEVICES AND DIGITAL WALLSTATIONS PER ROOM TYPE.

F-TYPICAL WALLSTATION BUTTON ENGRAVING

SCALE: NTS



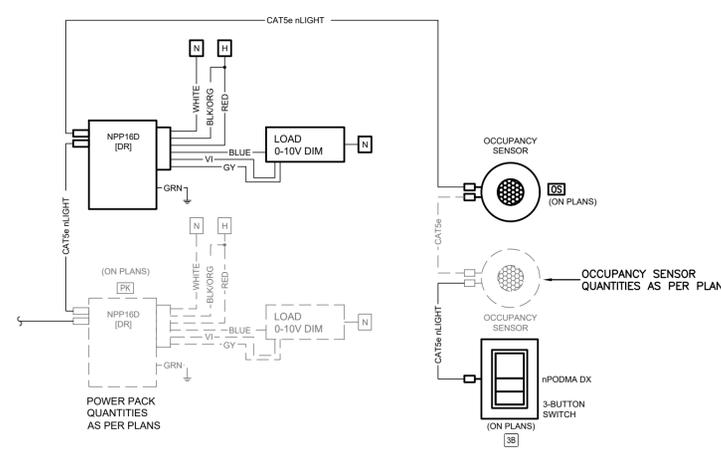
MANUFACTURED CONDUIT SUPPORT. SINGLE PIECE INJECTION MOULDED POLYPROPYLENE SUPPORT WITH TYPE 3-20 PSI EXTRUDED POLYSTYRENE UV PROTECTED BASE GLUED TO THE SUPPORT. MINIMUM BASE DIMENSION OF 300x225 (12"x9") x 140 mm (5.5") HIGH. ACCEPTABLE MATERIALS: QUICK BLOCK, ERICO

NOTES:

1. ELECTRICAL TRADE SHALL COORDINATE WITH ROOFING TRADE TO PROVIDE AN ADDITIONAL PIECE OF ROOF MATERIAL SUCH THAT CONDUIT SUPPORT BLOCKS DO NOT SIT DIRECTLY ONTO TOP ROOFING LAYER. MINIMUM DIMENSIONS TO MATCH CONDUIT BASE DIMENSIONS + 25 mm (1").

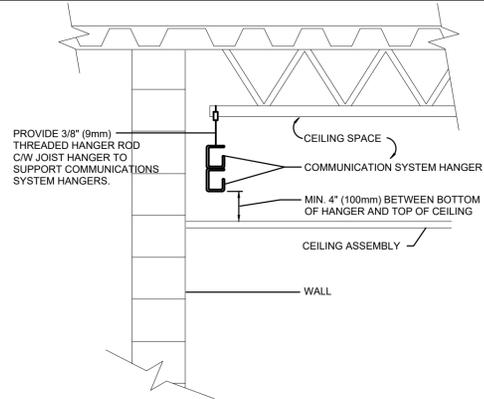
D-CONDUIT SUPPORT DETAIL

SCALE: NTS



G-LIGHTING SEQUENCE (LZ-1)

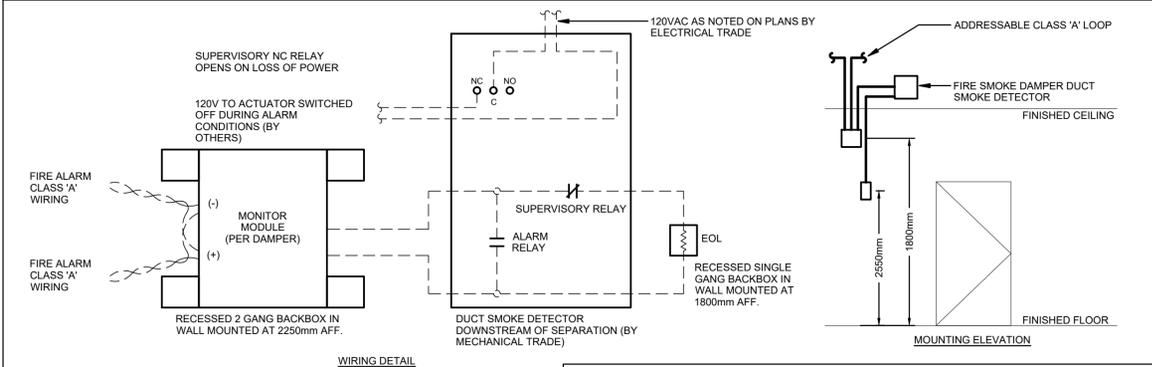
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1. INSTALLATION OF HANGERS IS TO BE COORDINATED WITH MECHANICAL AND ALL OTHER ASSOCIATED TRADES.
2. HANGERS ARE TO BE INSTALLED IN LINE ALONG LENGTH OF CORRIDOR AT MAXIMUM 4'-0" (1200mm) INTERVALS.

H-CEILING MOUNTED CABLE HANGER DETAIL

SCALE: NTS



NOTES:

1. MONITOR MODULE AND END OF LINE RESISTOR DEVICE MOUNTING HEIGHTS SHALL BE PER CANULC 5524 (LATEST EDITION). EACH DAMPER SHALL BE PROVIDED WITH AN INDIVIDUAL MONITOR MODULE.
2. MOUNT DEVICES WITHIN ACCESSIBLE LOCATIONS IN SERVICE ROOMS, WHERE POSSIBLE, IN THE VICINITY OF RESPECTIVE FIRE SMOKE DAMPER. DEVICES IN FINISHED SPACES TO BE C/W FLUSH MOUNT DEVICE BOXES AND COVERS. DEVICE COVERS TO BE LABELLED PER CANULC 5524 (LATEST EDITION).

J-FIRE/SMOKE DAMPER INSTALLATION DETAIL

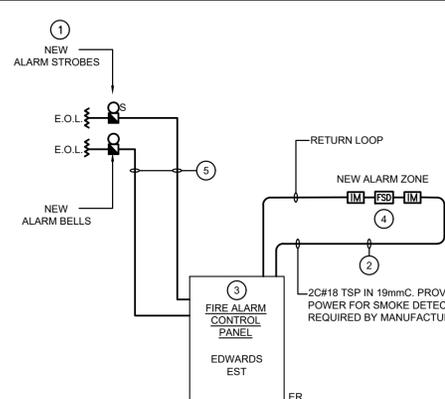
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SEQUENCE OF OPERATIONS

NORMAL CONDITION:
ALARM CONTACT OPEN, AUXILIARY CONTACT CLOSED. AC POWER IS PROVIDED TO DAMPER ACTUATOR, DAMPER IS OPEN.

ALARM CONDITION:
ALARM CONTACT CLOSES. BUILDING FIRE ALARM IS ACTIVATED, AUXILIARY CONTACT OPENS, AC POWER IS REMOVED FROM DAMPER ACTUATOR.

SUPERVISION:
LOSS OF AC POWER, COVER LEFT OFF, WIRING ISSUE WILL CAUSE TROUBLE CONDITION. SUPERVISORY CONTACT OPENS, MAIN FIRE ALARM CONTROL PANEL WILL INDICATE TROUBLE. ADDRESSABLE MODULE WILL INDICATE DAMPER LOCATION. DAMPER POSITION IS NOT MONITORED BY FIRE ALARM CONTROL PANEL.



NOTES:

- 1 ELECTRICAL CONTRACTOR IS TO PROVIDE BOOSTER MODULE FOR NEW SIGNAL CIRCUIT AND EXISTING SIGNAL CIRCUIT TO SUPPORT ADDITIONAL SIGNAL DEVICES. PROVIDE 15A-1P BREAKER IN NEAREST 120/208V PANEL FOR BOOSTER MODULE. UPDATE PANEL SCHEDULES ACCORDINGLY.
- 2 PROVIDE NEW FIRE ALARM LOOP FOR NEW DEVICES. CONFIRM WIRING REQUIREMENTS WITH RESPECTIVE SYSTEM MANUFACTURER.
- 3 PROVIDE NEW ALARM ZONE "FIRE SMOKE DAMPER". UPDATE ANNUCIATOR ACCORDINGLY.
- 4 INDICATES 120V POWER AND FIRE ALARM CONNECTIONS TO SMOKE/FIRE DAMPER WITH INTEGRAL SMOKE DETECTOR. REFER TO FIRE ALARM SPECIFICATIONS. COORDINATE EXACT LOCATION/CONNECTION REQUIREMENTS WITH MECHANICAL CONTRACTOR. SMOKE/FIRE DAMPER AND ASSOCIATED INTEGRAL SMOKE DETECTOR TO BE PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR. PROVIDE MONITORING MODULE(S) PER SMOKE/FIRE DAMPER TO 120V POWER SUPPLY CONNECTION TO THE DAMPER ACTUATOR, AND INTEGRAL SMOKE DETECTOR ALARM AS SIGNAL. A TROUBLE CONDITION SHALL BE ACTIVATED DUE TO THE LOSS OF AC POWER AT THE MAIN CONTROL PANEL, CONSISTING OF AUDIBLE AND VISUAL TROUBLE SIGNAL UNTIL ACKNOWLEDGED BY OPERATOR.
- 5 PROVIDE NEW SIGNAL CIRCUITS FOR NEW FIRE ALARM SIGNAL DEVICES.

K-PARTIAL FIRE ALARM RISER

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 Mechanical Electrical HVAC
 2026-03-10 ISSUED FOR TENDER

WATERLOO REGION DISTRICT SCHOOL BOARD

Crestview Public School
 LIGHTING FIXTURE SCHEDULE AND ELECTRICAL DETAILS
 Project No.: 1167B
 Drawn By: AY
 Plot Date: 3-MAR-26
 153 Moncton Dr. Kitchener, ON

E1.02

NEW PANEL 'LPF'

VOLTAGE: 120/208 VOLTS
 PHASE: 3P, 4W
 MAINS: 225A
 NEUTRAL BUS: FULL
 MOUNTING: SURFACE
 NOTES: C/W SPRINKLER HOOD SINGLE TUB

* INDICATES 33mA GROUND FAULT STYLE BREAKER

THE CONTRACTOR IS TO COORDINATE ROOM NAMES AND NUMBERS NOTED WITH THE FINAL ROOM INFORMATION ISSUED DURING CONSTRUCTION AND ADJUST DIRECTORIES TO SUIT.

ROOM #9 HALF LIGHTS & RECEPTACLE	20A	1	2	15A	ROOM #9 HALF LIGHTS & SENSOR
ROOM #10 RECEPTACLE & HALF LIGHTS, HALL RECEPTACLE	20A	3	4	15A	ROOM #10 HALF LIGHTS
M/F WASHROOM LIGHTS AND CUSTODIAN ROOM LIGHTS	20A	5	6	15A	ROOM #5 HALF LIGHTS
ROOM #5 HALF LIGHTS & RECEPTACLE	20A	7	8	15A	ROOM #4 HALF LIGHTS
ROOM #10 UNIT VENTILATOR & ROOMS #9 & #10 RECEPTACLES	20A	9	10	15A	ROOMS #3 & #4 RECEPTACLES & OCC. SENSORS
ROOM #4 HALF LIGHTS	15A	11	12	15A	OCC. SENSOR ROOM #5, UNIT VENTILATOR ROOM #9
ROOM #10 SENSOR	15A	13	14	15A	GIRLS WASHROOM RECEPTACLE
FIRE SMOKE DAMPERS	15A	15	16	15A	SPARE
SPARE	15A	17	18	15A	GIRLS WASHROOM #113 RECEPTACLE
SPARE	15A	19	20	15A	ROOM #4 & #5 RECEPTACLES, UNIT VENTILATOR ROOM #4
UNIT VENTILATOR ROOM #5	15A	21	22	15A	SPARE
OUTSIDE FLOODLIGHT (BACK)	15A	23	24	15A	ROOM #10 OUTSIDE WALLPACK LIGHT
SPARE	15A	25	26	20A	HALL LIGHTS
BATHROOM #113 & #115 HAND DRYERS	20A	27	28	2P	SPARE
SPARE	2P	29	30	15A	ROOM #10 RECEPTACLES
SPARE	20A	31	32	2P	EMERG LITE HALL
SPARE	20A	33	34	40	SPARE IN HALLWAY CEILING OUTSIDE BOYS WASHROOM
SPARE	35	36	2P		
SPARE	37	38	SPARE		
SPARE	39	40	SPARE		
SPARE	41	42	SPARE		
CLASSROOM #9 & #10 PROJECTOR	15A	43	44	20A	SPARE
CLASSROOM #3 & #4 PROJECTOR	15A	45	46	20A	SPARE
SPARE	15A	47	48	15A	FIRE SMOKE DAMPERS
SPARE	15A	49	50	15A	CABINET HEATER
		51	52		
		53	54		
		55	56		
		57	58		
		59	60		

EXISTING PANEL 'LPE' SCHEDULE

VOLTAGE: 120/208 VOLTS
 PHASE: 3P, 4W
 MAINS: 225
 NEUTRAL BUS:
 MOUNTING: RECESSED
 NOTES: 10,000KAIC

ER	HALF ROOM #11 LIGHTS	15A	1	2	15A	ROOM #11 LIGHTS HALF ROOM	ER
ER	HALF ROOM #12 LIGHTS	20A	3	4	15A	HALF ROOM #12 LIGHTS	ER
ER	ROOM #1 HALF LIGHTS	20A	5	6	15A	ROOM #1 HALF LIGHTS AND RECEPTACLES	ER
ER	ROOM #2 RECEPTACLE & LIGHTS	20A	7	8	15A	ROOM #2 LIGHTS	ER
ER	ROOM #3 HALF LIGHTS	20A	9	10	15A	ROOM #3 HALF LIGHTS	ER
ER	HALLWAY #803 LIGHTS	20A	11	12	15A	ROOM #12 RECEPTACLES & ROOM #11 SENSOR & RECEPTACLE	ER
ER	OUTSIDE LIGHT NEAR PRINC. OFF.	15A	13	14	15A	UNIT VENTILATOR ROOMS #11 & 12	ER
ER	ROOM #1 UNIT VENTILATOR + HALL REC.	15A	15	16	15A	ROOMS #1 & #2 RECEPTACLES	ER
ER	ROOM #1 RECEPTACLE & ROOM #2 UNIT VENTILATOR	15A	17	18	15A	ROOMS #11 & #2 RECEPTACLES	ER
ER	ROOM #3 RECEPTACLES	15A	19	20	15A	UNIT VENTILATOR ROOM #3	ER
ER	SPARE	15A	21	22	15A	EXISTING CIRCUIT	ER
ER	SPARE	15A	23	24	2P		ER
ER	BOOK MOBILE RECEPTACLE OUTSIDE FIRE EXIT #2	30A	25	26	15A	EXISTING SPACE	ER
ER			27	28	15A	EXISTING SPACE	ER
ER	EXISTING CIRCUIT	15A	29	30	15A	EXISTING SPACE	ER

PROPOSED PANEL 'LPE' SCHEDULE

AT THE COMPLETION OF THE PROJECT, PROVIDE A NEW TYPE WRITTEN PANEL DIRECTORY AND INCLUDE A COPY IN THE MAINTENANCE MANUALS

ER	HALF ROOM #11 LIGHTS	15A	1	2	15A	ROOM #11 LIGHTS HALF ROOM	ER
ER	HALF ROOM #12 LIGHTS	20A	3	4	15A	HALF ROOM #12 LIGHTS	ER
ER	ROOM #1 HALF LIGHTS	20A	5	6	15A	ROOM #1 HALF LIGHTS AND RECEPTACLES	ER
ER	ROOM #2 RECEPTACLE & LIGHTS	20A	7	8	15A	ROOM #2 LIGHTS	ER
ER	ROOM #3 HALF LIGHTS	20A	9	10	15A	ROOM #3 HALF LIGHTS	ER
ER	HALLWAY #803 LIGHTS	20A	11	12	15A	ROOM #12 RECEPTACLES & ROOM #11 SENSOR & RECEPTACLE	ER
ER	OUTSIDE LIGHT NEAR PRINC. OFF.	15A	13	14	15A	UNIT VENTILATOR ROOMS #11 & 12	ER
ER	ROOM #1 UNIT VENTILATOR + HALL REC.	15A	15	16	15A	ROOMS #1 & #2 RECEPTACLES	ER
ER	ROOM #1 RECEPTACLE & ROOM #2 UNIT VENTILATOR	15A	17	18	15A	ROOMS #11 & #2 RECEPTACLES	ER
ER	ROOM #3 RECEPTACLES	15A	19	20	15A	UNIT VENTILATOR ROOM #3	ER
ER	CLASSROOM #11 & #12 PROJECTOR	15A	21	22	15A	EXISTING CIRCUIT	ER
RW	CLASSROOM #1 & #2 PROJECTOR	15A	23	24	2P		ER
ER	BOOK MOBILE RECEPTACLE OUTSIDE FIRE EXIT #2	30A	25	26	15A	EXISTING SPACE	ER
ER			27	28	15A	EXISTING SPACE	ER
ER	EXISTING CIRCUIT	15A	29	30	15A	EXISTING SPACE	ER

DESIGNATION

'ER' INDICATES EXISTING SERVICE AND BREAKER THAT SHOULD REMAIN UNTOUCHED
 'SP' INDICATES EXISTING BREAKER THAT MAY BECOME SPARE DUE TO DEMOLITION. (CONFIRM ON SITE)
 'RW' INDICATES EXISTING BREAKER THAT SHOULD BE REWIRED TO SERVICE DEVICES INDICATED ON PLAN
 'SB' INDICATES SPARE BREAKER TO BE USED FOR NEW SERVICE INDICATED.
 'NB' INDICATES NEW BREAKER AND WIRING TO SERVICE INDICATED. PROVIDE MOUNTING HARDWARE AS REQUIRED.
 'D' INDICATES EXISTING BREAKER TO BE REMOVED COMPLETE. PROVIDE FILLER PLATES AS REQUIRED.

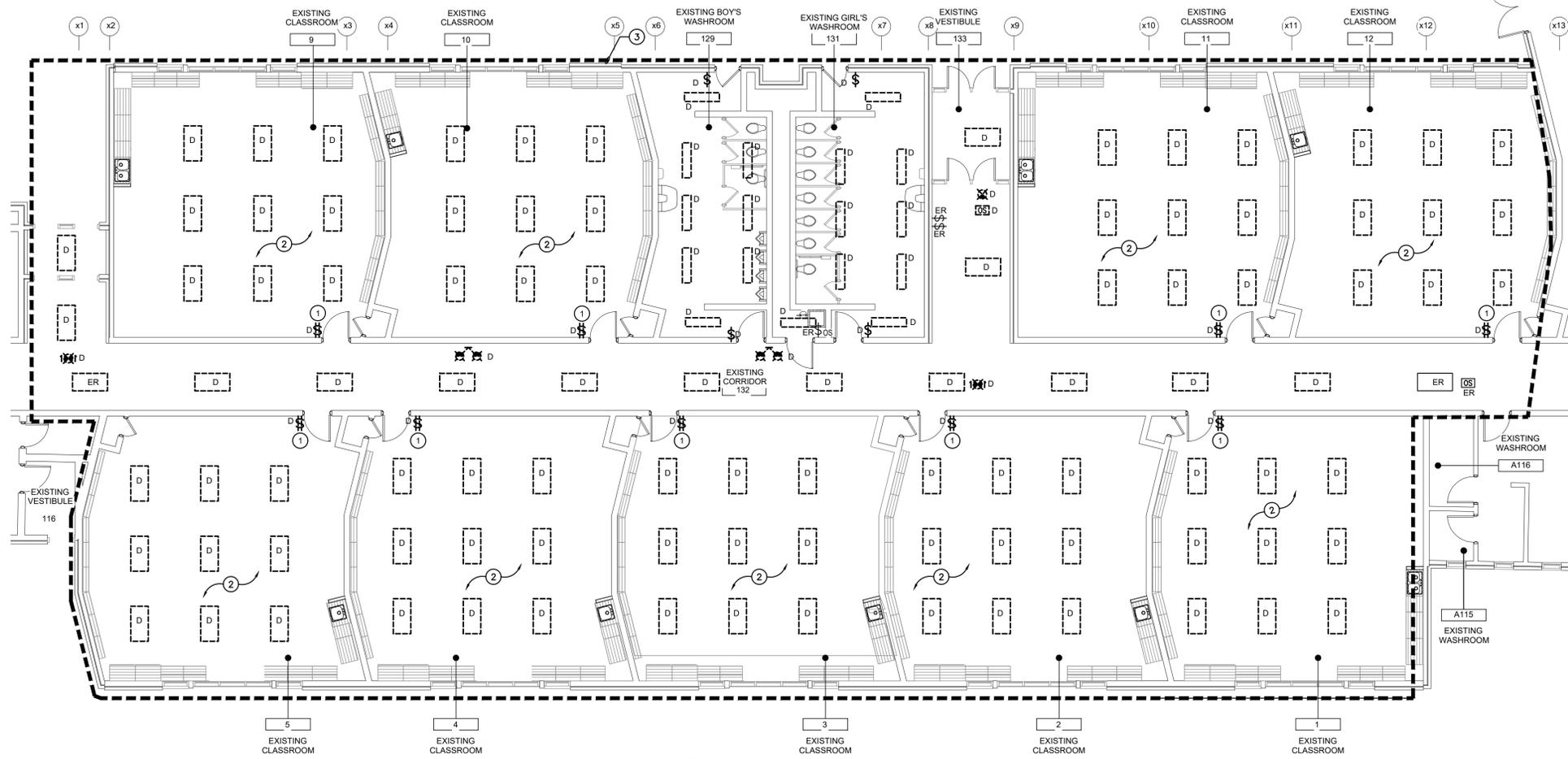
NOTES: THIS CONTRACTOR IS TO INVESTIGATE BREAKERS AND REVISE PANEL SCHEDULES TO SUIT RENOVATION. NOTING ANY BREAKERS THAT BECOME SPARE DUE TO DEMOLITION. THIS CONTRACTOR IS ALSO TO NOTIFY THE CONSULTANT OF ANY BREAKERS THAT ARE INDICATED TO BE DEMOLISHED OR REUSED, BUT WHICH ARE IN USE BY OTHER DEVICES OR SERVICES.

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 Number: 100230476
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Crestview Public School
 ROOF REPLACEMENT
 PANELBOARD SCHEDULES
 Project No.: 1167B
 Drawn By: AY
 Plot Date: 3-MAR-26
 153 Montclair Dr. Kitchener, ON



PARTIAL LIGHTING DEMOLITION PLAN
 SCALE: 1:100

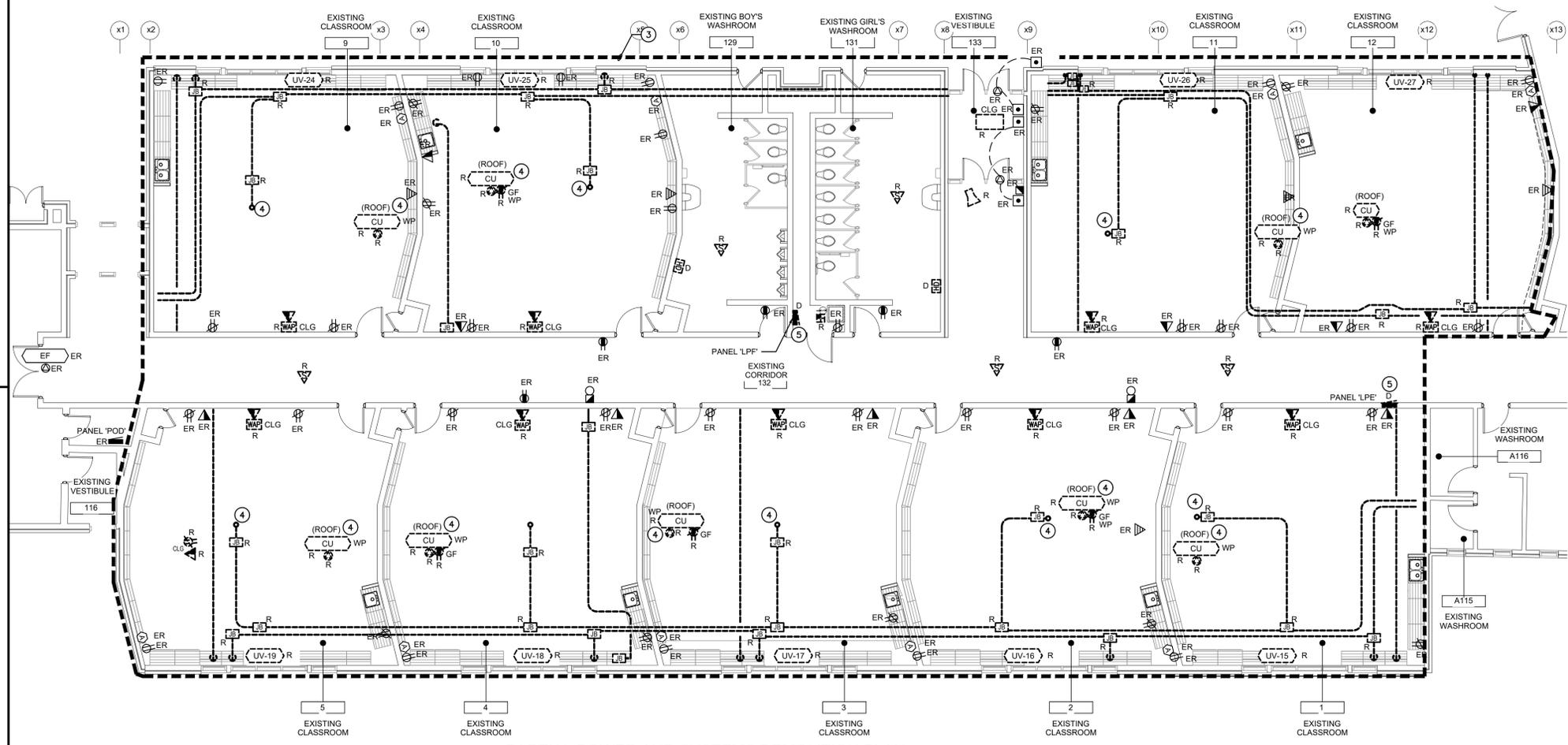
GENERAL DEMOLITION NOTES

- 'ER' DENOTES EXISTING ITEM TO REMAIN.
- EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
- 'R' INDICATES EXISTING ITEM TO BE REMOVED. REFER TO DEMOLITION DRAWINGS AND RELOCATE DEVICE AND WIRING TO SUIT. UNLESS OTHERWISE NOTED.
- 'D' INDICATES EXISTING ITEM TO BE DEMOLISHED. UNLESS OTHERWISE NOTED DISCONNECT AND REMOVE NOTED DEVICE AND WIRING BACK TO SOURCE.
- ALL LIGHTING FIXTURES BEING RELOCATED SHALL BE CLEANED AND CHECKED PRIOR TO BEING REINSTALLED.
- ELECTRICAL CONTRACTOR IS TO INCLUDE THE DISCONNECTION OF ALL SERVICES RUNNING TO KINDERGARTEN POD AT END OF CORRIDOR. THE FEEDS ARE TO BE REMOVED AND RE-INSTALLED TO SUIT ROOF REPLACEMENT. INCLUDE FOR JUNCTION BOXES AND EXTENDED FEEDS AS REQUIRED FOR RE-INSTALLATION. PROVIDE FIRE ALARM VERIFICATION FOR ALL DISCONNECTED DEVICES.

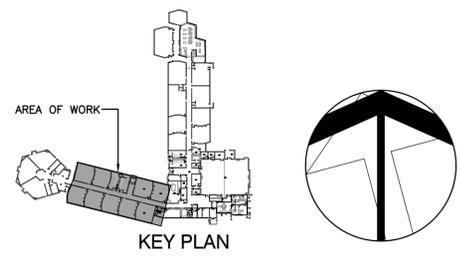
SPECIFIC DEMOLITION NOTES

- 1 INDICATED DEVICE IS TO BE DISCONNECTED AND REMOVED COMPLETE. MAINTAIN EXISTING WIRING AND BACKBOX FOR REUSE DURING DEMOLITION.
- 2 DISCONNECT AND REMOVE LIGHTING FIXTURES, WIRING, AND CONDUIT WITHIN THIS AREA. REMOVE AND REPLACE EXISTING LOCAL WIRING FOR RECONNECTION TO NEW CONTROLS AS PER RENOVATION PLANS.
- 3 INDICATED AREA WILL HAVE ROOF REMOVED FOR FULL REPLACEMENT. ELECTRICAL CONTRACTOR IS TO REMOVE AND RE-INSTALL ALL CEILING MOUNTED DEVICES TO SUIT. FIRE ALARM VERIFICATION MUST BE INCLUDED FOR ANY FIRE ALARM DEVICES THAT ARE DISCONNECTED. ELECTRICAL CONTRACTOR MUST INCLUDE THE REMOVAL, RE-ROUTING AND EXTENSION OF EXISTING CONDUITS WITHIN AREA TO ALLOW FOR ROOF REPLACEMENT. FEEDS TO EXISTING DEVICES WILL BE ABOVE THE DECK. ELECTRICAL CONTRACTOR IS TO DISCONNECT AND REMOVE EXISTING FEEDS AND PROVIDE NEW BELOW NEW ROOF. ELECTRICAL CONTRACTOR MUST INCLUDE IN TENDER PRICE FOR ADDITIONAL CONDUIT, WIRE, JUNCTION BOXES, ETC. TO ALLOW FOR INSTALLATION. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR FULL SCOPE OF WORK. FOR THE PURPOSE OF BIDDING, INCLUDE THE FOLLOWING ELECTRICAL SCOPE, AS WELL AS ANY REQUIRED SUB-TRADES FOR AUX SYSTEMS. THE FOLLOWING IS AN ESTIMATE TO ASSIST IN BIDDING. ALL DEVICES AND EQUIPMENT SHOWN ON DRAWINGS MUST BE INCLUDED IN TENDER PRICE:
 - RELOCATION AND RECONNECTION OF 6 LIGHTING BRANCH CIRCUITS
 - RELOCATION AND RECONNECT OF 30 RECEPTACLE AND POWER BRANCH CIRCUITS
 - REROUTING OF LOCAL ADDRESSABLE FIRE ALARM LOOP.
 - RELOCATION AND RECONNECTION OF 10 FIRE ALARM DETECTION DEVICE CONNECTIONS
 - RELOCATION AND RECONNECTION OF 8 FIRE ALARM SIGNAL DEVICE CONNECTIONS
 - DISCONNECTION, PULLING BACK OF HORIZONTAL VOICE/DATA CABLING, GUARD CABLING, REROUTING OF SUPPORTING CONDUIT AND CABLE MANAGEMENT, AND RE-TERMINATION TO EXISTING OUTLET JACK
 - RELOCATION AND RECONNECTION OF LOCAL PA ZONE(S) SIGNAL CIRCUIT(S)
 - RELOCATION AND RECONNECTION OF LOCAL SECURITY ZONE(S)
 - RELOCATION AND RECONNECTION OF FEED AND LOADS AT PANEL LPP AND PANEL LPE
 - INCLUDE AN ADDITIONAL ALLOWANCE OF 2 JOURNEYMAN + REQUIRED SUPERVISION FOR 10 DAYS CONTINGENCY AND UNFORESEEN
- 4 INDICATED MECHANICAL ROOFTOP UNIT IS TO BE DISCONNECTED AND RELOCATED. THE EXISTING FEEDER IS TO BE TEMPORARILY REMOVED TO ALLOW FOR NEW ROOF INSTALLATION. REWORK EXISTING FEEDER TO THE NEW LOCATION OF ROOF TOP UNIT. MAINTAIN BRANCH WIRING FOR RECONNECTION AS NOTED ON THE DEMOLITION DRAWINGS. EXISTING FEED IS TO BE EXTENDED TO SUIT NEW ROOF AND FINAL EQUIPMENT LOCATION.
- 5 INDICATES EXISTING DISTRIBUTION EQUIPMENT TO BE DEMOLISHED AND REPLACED. MAINTAIN EXISTING BRANCH FEEDS FOR CONNECTION TO REPLACEMENT EQUIPMENT, REFER TO RENOVATION PLANS.

ALL FIRE ALARM DEVICES BEING DISCONNECTED OR RE-WORKED ARE TO BE RE-VERIFIED AND ARE TO HAVE ALL LIFE SAFETY TESTING DONE AS REQUIRED.



PARTIAL POWER AND SYSTEMS DEMOLITION PLAN
 SCALE: 1:100



The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before any building construction will permit. Obtain approval for relocation of services from Consultant before any relocation is made. Provide the same to meet the requirements, drawings and specifications, etc. Prepare and submit a copy of this document to the Consultant. These documents are not to be duplicated or copied without the consent of the Consultant. Do not scale this drawing.

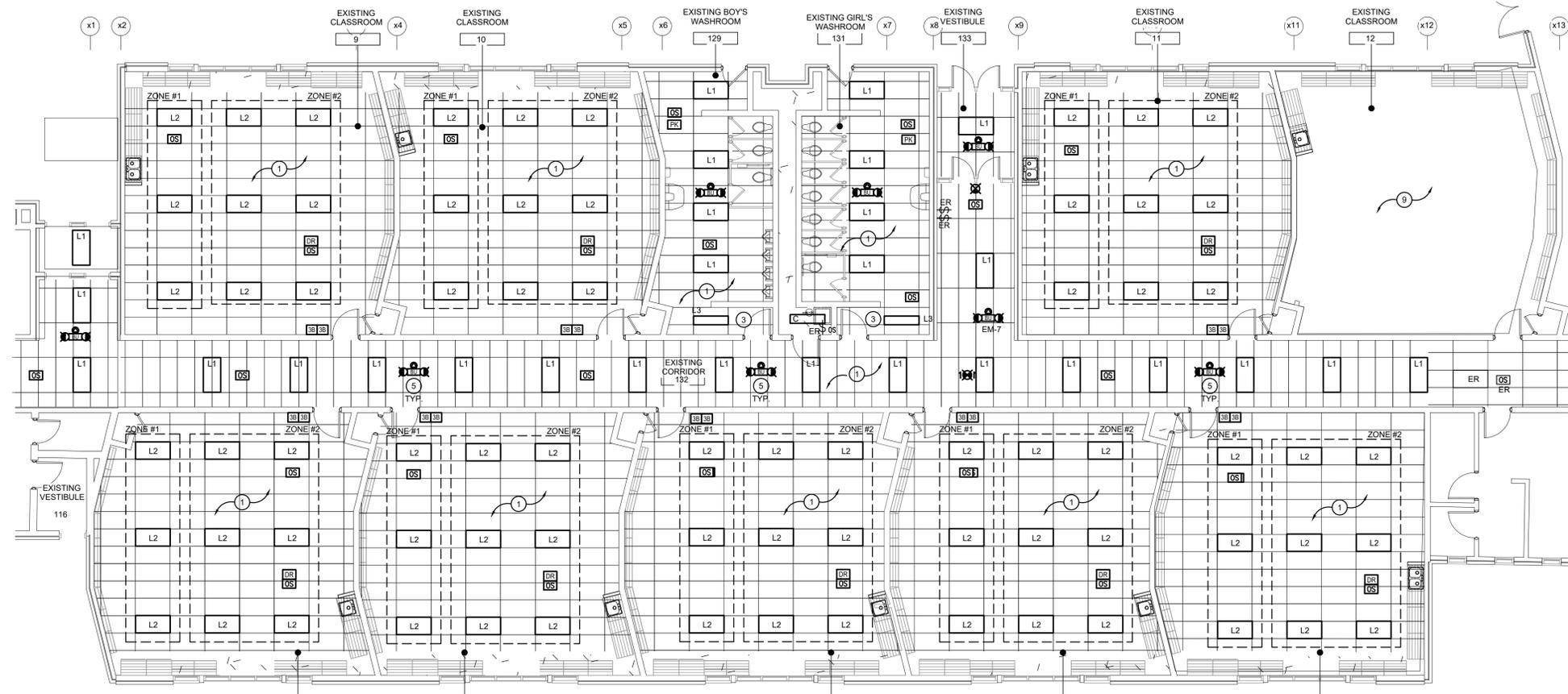
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 2026-03-10 ISSUED FOR TENDER



153 Montclair Dr. Kitchener, ON
 Project No.: 1167B
 Drawn By: AY
 Plot Date: 3-MAR-26

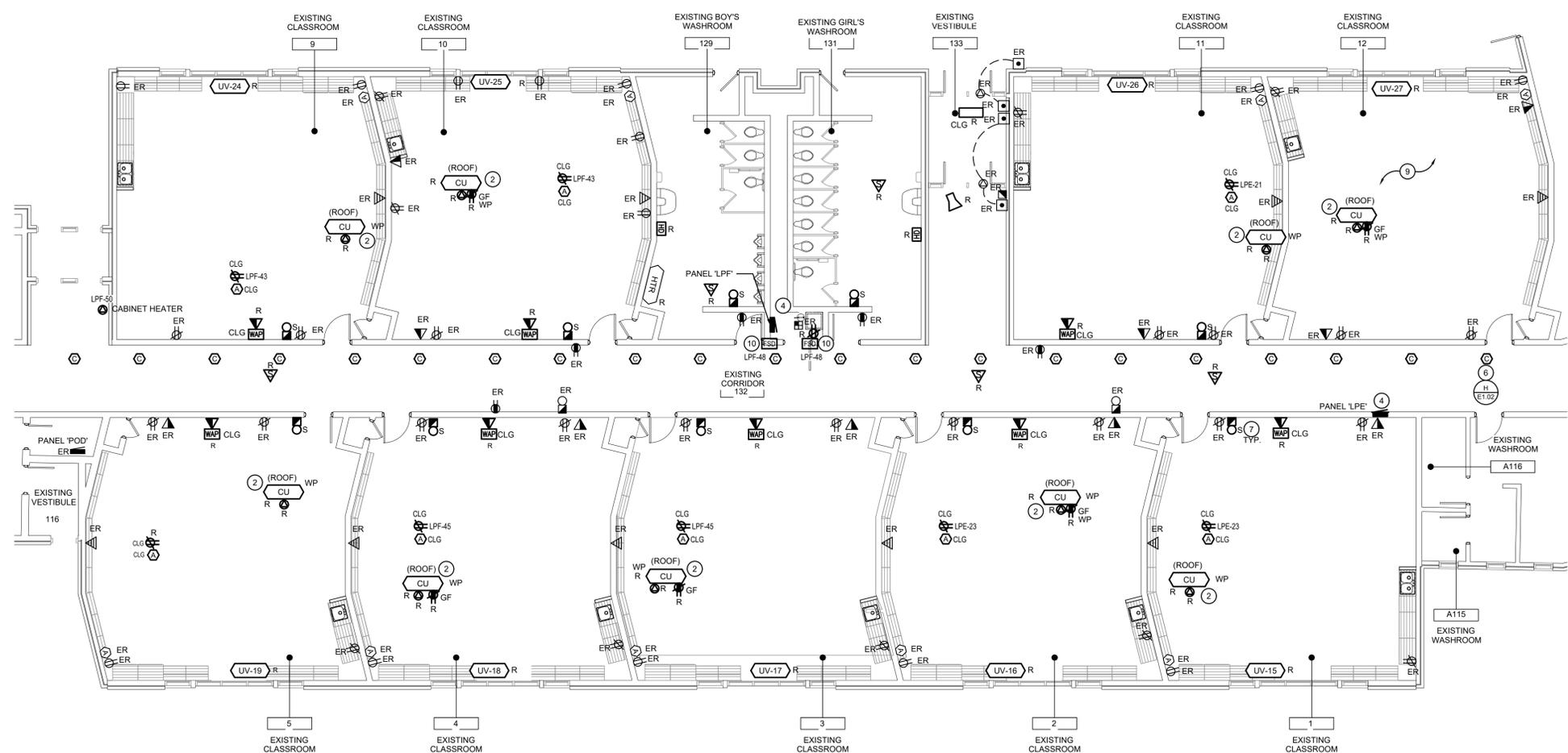
Crestview Public School
 ROOF REPLACEMENT
 LIGHTING, POWER AND SYSTEMS
 DEMOLITION PLANS



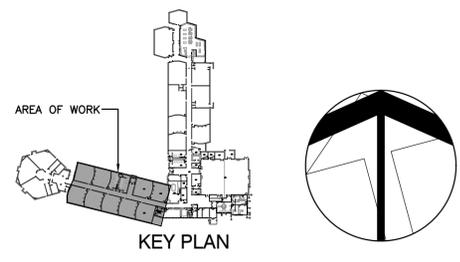
PARTIAL LIGHTING RENOVATION PLAN
 SCALE: 1:100

- ### GENERAL RENOVATION NOTES
- 'ER' INDICATES EXISTING ITEM TO REMAIN.
 - 'R' INDICATES EXISTING ITEM IN RELOCATED POSITION.
 - ALL DEVICES SHOWN ARE NEW UNLESS OTHERWISE NOTED.
 - EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS OTHERWISE NOTED.
 - MAINTAIN SERVICE TO ALL EXISTING DEVICES TO REMAIN.
 - REVISE PANEL DIRECTORIES TO SUIT CHANGES (TYPED).
 - PROVIDE ADEQUATE SUPPORT FOR ALL CEILING MOUNTED DEVICES.
- ### SPECIFIC RENOVATION NOTES
- 1 LIGHT FIXTURE(S) WITHIN INDICATED AREA(S) ARE TO BE REFEED FROM SOURCE PANEL USING NEW CONDUIT, WIRE AND CONTROLLED AS SHOWN. ALL FEEDS ARE TO BE INSTALLED AS PER SPECIFICATIONS.
 - 2 INDICATES RELOCATED MECHANICAL ROOFTOP UNIT. REWORK EXISTING FEEDER MAINTAINED DURING DEMOLITION.
 - 3 INDICATES LIGHTS TO BE CONNECTED TO CORRIDOR LIGHTING CONTROL CIRCUIT.
 - 4 ELECTRICAL CONTRACTOR TO PROVIDE NEW PANEL LPE AS SHOWN. EXTEND AND RECONNECT TO CIRCUITS MADE AVAILABLE DURING DEMOLITION PHASE. REFER TO PANEL SCHEDULES FOR FURTHER INFORMATION. PROVIDE TWO ADDITIONAL 51mm² UP TO ACCESSIBLE CEILING SPACE FOR FUTURE USE. EXTEND FEEDS AS REQUIRED TO SUIT NEW PANELS.
 - 5 INDICATES NEW EMERGENCY FIXTURE TO BE CONNECTED TO UNSWITCHED SIDE OF LOCAL LIGHTING CIRCUIT. EXTEND FEEDS AS REQUIRED.
 - 6 SUPPLY AND INSTALL NEW CABLE MANAGEMENT HANGERS.
 - 7 INDICATES NEW FIRE ALARM SIGNAL DEVICES TO BE CONNECTED TO NEW SIGNAL CIRCUIT.
 - 8 INDICATED DEVICES ARE TO BE INSTALLED IN RECESSED BOX FOR CEILING PROJECTOR MOUNT. CONFIRM EXACT LOCATION ON SITE PRIOR TO ROUGH IN TO ENSURE PROPER DISTANCE/ORIENTATION FROM SCREEN. RECESSED PROTECTION BOX IS TO BE EQUAL TO FSR CAT. #C8-229. SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR. WIRE CEILING RECEPTACLE TO NEAREST RECEPTACLE CIRCUIT.
 - 9 RENOVATION OF INDICATED CLASSROOM WILL NOT BE COMPLETED DURING THIS PHASE. CONTRACTOR IS TO PROVIDE PROTECTION FOR ALL DEVICES LABELED EXISTING TO REMAIN. NEW LIGHTING AND CONTROLS WILL BE INSTALLED IN THE NEXT PHASE OF THE PROJECT.
 - 10 INDICATES 120V POWER AND FIRE ALARM CONNECTIONS TO SMOKE/FIRE DAMPER WITH INTEGRAL SMOKE DETECTOR. REFER TO FIRE ALARM SPECIFICATIONS. COORDINATE EXACT LOCATION/CONNECTION REQUIREMENTS WITH MECHANICAL CONTRACTOR. SMOKE/FIRE DAMPER AND ASSOCIATED INTEGRAL SMOKE DETECTOR TO BE PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR. PROVIDE MONITORING MODULE(S) PER SMOKE/FIRE DAMPER TO 120V POWER SUPPLY CONNECTION TO THE DAMPER ACTUATOR, AND INTEGRAL SMOKE DETECTOR ALARM AS SIGNAL. A TROUBLE CONDITION SHALL BE ACTIVATED DUE TO THE LOSS OF AC POWER AT THE MAIN CONTROL PANEL, CONSISTING OF AUDIBLE AND VISUAL TROUBLE SIGNAL UNTIL ACKNOWLEDGED BY OPERATOR.

ALL FIRE ALARM DEVICES BEING DISCONNECTED OR RE-WORKED ARE TO BE RE-VERIFIED AND ARE TO HAVE ALL LIFE SAFETY TESTING DONE AS REQUIRED.



PARTIAL POWER AND SYSTEMS RENOVATION PLAN
 SCALE: 1:100



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WATERLOO REGION DISTRICT SCHOOL BOARD

153 Monmouth Dr. Kitchener, ON
 Project No.: 1167B
 Drawn By: AY
 Plot Date: 3-MAR-26

Crestview Public School
 ROOF REPLACEMENT
 LIGHTING, POWER AND SYSTEMS RENOVATION PLANS

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