

EQUIPMENT WIRING SCHEDULE																											E = ELECTRICAL M = MECHANICAL O = OTHERS																	
Mechanical Item	Description	Provided By	Electrical Data				Starter				Ctrl Device			Isolating Device			Remote Items										Other		Interlock		Remarks													
			Voltage	Size Inp/kW/Amps	Phase	MOCP	Magnetic	Manual	Combination	Contact	VFD	ECM	Hand/Off/Auto	On/Off Selector	Start/Stop PB.	High/Low/Off	Pilot Light	Motor Rated Switch c/w Pilot Light	Disconnect	WP Disconnect	Breaker/Fuse	Starter/Device Wired by	Thermostat	RA Thermostat	Programmable Time Clock	Variable Speed Control	Current Sensor	Occ Sensor	Dual Voltage Relay	Interval Timer		VRF System Control Panel	Smoke Control System Panel	Control Panel	Wired by	Bldg Auto System	Wired By	Miscellaneous 1	Miscellaneous 2	Interlock to	Interlock by			
EF-1	CEILING WASHROOM EXHAUST FAN	M	120	FHP	1												E		E	E						E							M/E	M	M							REFER TO NOTE:		
EF-2	CEILING WASHROOM EXHAUST FAN	M	120	FHP	1												E		E	E						E							M/E	M	M									
EF-3	RESIDENTIAL RANGE HOOD	M	120	FHP	1												E		E	E				M																				
L-1	SINK W/ ELECTRIC FAUCET	M	120	FHP	1															E	E																							
L-2	SINK W/ ELECTRIC FAUCET	M	120	FHP	1															E	E																							
WC-2	AUTO FLUSH VALVE	M	120	FHP	1															E	E																							

EXISTING PANEL 'LPD' SCHEDULE

VOLTAGE: 120/208 VOLTS
PHASE: 3P, 4W
MINS: 252A
MODEL: FPE NBLP 42-4L
NEUTRAL BUS
MOUNTING: RECESSED
NOTES: 10,000 KVAIC

ER	WATER FOUNTAIN	20A	1	2	15A	PRINCIPAL OFFICE LIGHTS	RW
ER	LIBRARY REC. F16	20A	3	4	15A	OFF. WORK RM LIGHTS	RW
ER	LIBRARY REC. F16	15A	5	6	15A	SEC. OFF. LTS + JIFFY POLE REC.	ER
ER	HALL REC. BY DISPLAY CASE	15A	7	8	15A	EXISTING CIRCUIT	ER
ER	FOYER LIGHTS	15A	9	10	15A	SEC. OFF. REC FOR P.A. + PC REC.	ER
ER	EXISTING CIRCUIT	15A	11	12	15A	STAFF RM COUNTER REC.	RW
ER	LIBRARY REC. F16	15A	13	14	15A	STAFF RM COFFEE MAKER	RW
ER	LIBRARY REC. F16	15A	15	16	15A	MEN/WOMEN WR LTS, F8/F10 LTS	D
ER	LIBRARY REC. F16	15A	17	18	15A	DISHWASHER	RW
ER	LIBRARY REC. F16	15A	19	20	15A	EXISTING CIRCUIT	RW
ER	LIBRARY REC. F16	15A	21	22	15A	WORK RM F6 + STAFF RM REC	ER
RW	HALL REC. & F10 REC.	15A	23	24	15A	LIBRARY REC. F16	ER
ER	ELEC HEAT GYM EQUIP. RM	15A	25	26	15A	BASEBOARD HTR SEC. OFFICE	D
ER		2P	27	28	2P		D
ER	BB HTR UNDER DISPLAY CASE	20A	29	30	30A	RANGE REC STAFF RM F8	RW
ER		2P	31	32	2P		RW
ER	ALARM RELAY	15A	33	34	20A	FORCED AIR HEATING FOYER	RW
ER	REC. PRINCIPAL'S OFFICE	15A	35	36	2P		RW
RW	REC. PRINC. & SEC OFF	15A	37	38	15A	REC. PRINC. & SEC OFF	RW
RW	REF. REC. STAFF RM F8	15A	39	40	15A	SPLIT. REC. STAFF RM F8	RW
RW	COMPUTER. REC. STAFF RM F8	15A	41	42	2P	REF. REC. STAFF RM F8	RW

NEW PANEL 'LPD' SCHEDULE

ER	WATER FOUNTAIN	20A	1	2	15A	STAFF ROOM F8 EF-3	RW
ER	LIBRARY REC. F16	20A	3	4	15A	STAFF AREA LIGHTS	RW
ER	LIBRARY REC. F16	15A	5	6	15A	SEC. OFF. LTS + JIFFY POLE REC.	ER
ER	HALL REC. BY DISPLAY CASE	15A	7	8	15A	EXISTING CIRCUIT	ER
ER	FOYER LIGHTS	15A	9	10	15A	MAIN OFFICE F4 REC.	RW
ER	EXISTING CIRCUIT	15A	11	12	15A	STAFF RM COUNTER REC.	RW
ER	LIBRARY REC. F16	15A	13	14	15A	STAFF RM COFFEE MAKER	RW
ER	LIBRARY REC. F16	15A	15	16	20A	WASHROOM GF OUTLET	NB
ER	LIBRARY REC. F16	15A	17	18	15A	STAFF ROOM F8 DISHWASHER	RW
ER	LIBRARY REC. F16	15A	19	20	15A	PUBLIC ADDRESS EQUIPMENT	RW
ER	LIBRARY REC. F16	15A	21	22	15A	SEMINAR ROOM F7 REC.	RW
RW	WORK ROOM F6 PRINTER	20A	23	24	15A	LIBRARY REC. F16	RW
ER	ELEC HEAT GYM EQUIP. RM	15A	25	26	20A	WORK RM F6 COUNTER REC.	NB
ER		2P	27	28	20A	STAFF ROOM F8 PRINTER	NB
ER	ELEC HEAT GYM EQUIP. RM	20A	29	30	30A	RANGE REC STAFF RM F8	RW
ER		2P	31	32	2P		RW
ER	ALARM RELAY	15A	33	34	20A	FORCED AIR HEATING FOYER	ER
RW	REC. PRINCIPAL'S OFFICE	15A	35	36	2P		ER
RW	AUTO DOOR OPERATOR	15A	37	38	15A	EF-1, EF-2, L-1, L-2, WC-2	RW
RW	REFRIG. REC. STAFF RM F8	15A	39	40	15A	STAFF RM F8 REC.	RW
RW	FIRE SMOKE DAMPERS	15A	41	42	15A	STAFF RM F8 MICROWAVE REC.	RW

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.

LIGHT FIXTURE SCHEDULE (INTERIOR)

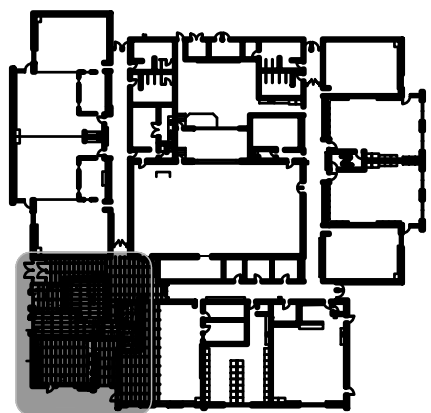
Item	Manufacturer/Catalog Number	Voltage	Lamp					Mounting	Listings	Description
			Type	Lumens	Colour Temperature	Wattage	CRB			
A	COOPER CAT. #K0G7S-NLV LITHONIA CAT. #C2R 2X4 AL08 5W/07 5W/L 120 SIGNIFY CAT. #2SBP350LBCS-4-LIN-01M	120V	LED	5952	4000K	47.0W	80	RECESSED	NA	2X4' (810mmx1220mm) LED BACKLIT FLAT PANEL FIXTURE C/W FIELD SELECTABLE LUMENS AND COLOUR TEMPERATURE, WHITE FROSTED LENS, 10% 0-10V DIMMING DRIVER, AND WHITE FINISH.
A1	COOPER CAT. #K0G7S-NLV C/W 2X4MKS3H LITHONIA CAT. #CPANL 2X4 AL01 5W/07 5W/L 120 SIGNIFY CAT. #2SBP350LBCS-4-LIN-01M	120V	LED	4752	4000K	37.0W	80	SURFACE	NA	2X4' (810mmx1220mm) LED EDGE/LIT FLAT PANEL FIXTURE C/W FIELD SELECTABLE LUMENS AND COLOUR TEMPERATURE, WHITE FROSTED LENS, 10% 0-10V DIMMING DRIVER, WHITE FINISH, AND SURFACE MOUNT KIT.
B	COOPER CAT. #K4G0T-NLV LITHONIA CAT. #C2R 1M AL01 5W/07 5W/L 120 SIGNIFY CAT. #1SBP340LBCS-4-LIN-01M	120V	LED	4712	4000K	37.0W	80	RECESSED	NA	1Mx' (300mmx1220mm) LED BACKLIT FLAT PANEL FIXTURE C/W FIELD SELECTABLE LUMENS AND COLOUR TEMPERATURE, WHITE FROSTED LENS, 10% 0-10V DIMMING DRIVER, AND WHITE FINISH.
EXIT LIGHTS	AMULITE CAT. #R9ALUMHNTUNVDC STANPRO CAT. #R9ALUMHNTUNVDC LUMACELL CAT. #L43A1UX	12V/120V	LED	-	-	25.0W/120V 25.0W/120V 25.0W/120V	N/A	SURFACE	NA	LED EXTRUDED ALUMINUM PHOTOGRAM FIXTURE C/W GREEN FACE AND WHITE LEGEND, UNIVERSAL MOUNTING TO SUIT WALL, END OF CEILING, AND MAXIMUM 2.0" (51mm) THICKNESS. FACES AND CHEVRONS TO SUIT DRAWINGS.
EMERG. BATT. LINEAR STYLE)	AMULITE REBUL SERIES (M-1) REBUL 18MMT-18-2-ATD1DVR STANPRO CAT. #9WL 2P SERIES (M-1) REBUL 18MMT-18-2-ATD1P LUMACELL ALB SERIES (M-1) REBUL 18MMT-18-2-ATD1P	12V/120V	LED	-	-	-	N/A	SUSPENDED	NA	LONG LIFE, SEALED RECHARGEABLE VANDAL RESISTANT BATTERY C/W ADJUSTABLE 14W LED MODULES, POLYCARBONATE BODY, 90 MINUTE BATTERY DURATION, RECESSED 1/8" 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. ALL MANUFACTURERS ARE NOT BEING CONSIDERED FOR THIS TENDER UNLESS SPECIFICALLY IDENTIFIED ON SCHEDULE FOR NOTED FIXTURE TYPES. FOR NOTED APPROVED SUPPLIERS TO BE CONSIDERED APPROVED MANUFACTURERS SUPPLIERS MUST CONFIRM THE PROPOSED PRICE, BY EMAIL, WITH CONSULTANTS OFFICE PRIOR TO PROJECT ADDENDUM PERIOD CLOSURE.										
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 THE ELECTRICAL CONTRACTOR TO NOTATIONS SHOWN ON ELECTRICAL CONSULTANT'S ATTENTION ANY DISCREPANCIES BETWEEN THE FIXTURE CATALOG NUMBER AND DESCRIPTION, AND/OR VOLTAGE, OUTPUT, OR MOUNTING. PRIOR TO PROCEEDING, NO EXTRAS WILL BE ENTERTAINED 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, INCLUDE FOR A FIXTURE MATCHING THE VOLTAGE, MOUNTING, LOCATION AND IDENTIFICATION SHOWN ON CONSULTING DESIGN DRAWINGS.										

- Notes:
- 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".
 - 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 TYPES. FOR NOTED APPROVED EQUALS TO BE CONSIDERED APPROVED, MANUFACTURERS/SUPPLIERS MUST CONFIRM THE PROPOSED EQUAL BY EMAIL WITH CONSULTANT'S OFFICE PRIOR TO PROJECT ADDENDUM PERIOD CLOSE.
 - WHERE NOTED ABOVE THAT FIXTURES ARE TO HAVE FINISH TO SUIT ARCHITECT THE FINISH WILL BE SELECTED FROM MANUFACTURER'S AVAILABLE STANDARD FINISHES.
 - 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 ENTERTAINED 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. INCLUDE FOR A FIXTURE MATCHING THE VOLTAGE, MOUNTING, LOCATION AND NOTATIONS SHOWN ON LIGHTING DESIGN DRAWINGS.

ELECTRICAL SYMBOLS		NOTE: ALL SYMBOLS MAY NOT BE USED	
LIGHTING		POWER	
	LIGHT FIXTURE TYPE AS INDICATED		WALL MOUNTED RECEPTACLE (15A-120V)
	LIGHT FIXTURE (HATCHING DENOTES NIGHTLIGHT)		WALL MOUNTED T-SLOT RECEPTACLE (20A-120V)
	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)
	CEILING OR WALL MOUNTED LIGHT FIXTURE TYPE AS INDICATED		RECEPTACLE MTD. ABOVE COUNTER S=SPLIT (15A-120V)
	CEILING OR WALL MOUNTED LIGHT FIXTURE TYPE AS INDICATED		STOVE RECEPTACLE
	POLE MOUNTED LIGHT FIXTURE		DIRECT CONNECTION
	WALL MOUNTED EXIT LIGHT SHADING INDICATES FACE		JUNCTION BOX
	CEILING MOUNTED EXIT LIGHT ARROWS DENOTE DIRECTION SHADING INDICATES FACE		PANEL AS INDICATED
	SINGLE OR TWIN EMERGENCY LIGHTING FIXTURE		TIME CLOCK
	RECESSED REMOTE EMERGENCY FIXTURES		PUSH-BUTTON STATION (QUANTITY OF BUTTONS AS PER PLANS)
	CEILING RECESSED BATTERY UNIT C/W INTEGRAL EMERGENCY FIXTURES		MOTOR CONNECTION
	BATTERY UNIT WITH INTEGRAL EMERGENCY FIXTURE (EM-X INDICATES BATTERY UNIT TYPE, DC-X INDICATES DC CIRCUIT, AND X-X INDICATES AC SOURCE CIRCUIT)	SECURITY	
	SINGLE POLE SWITCH (3+3 WAY, 4+4 WAY, PILOT LIGHT, 3-WAY, 4-WAY, DM-DIMMER, M=MOTOR RATED)		SECURITY DETECTOR (SURFACE MOUNTED)
	OCCUPANCY SENSOR (PASSIVE)		SECURITY KEYPAD (INSTALL 1100mm AFFI C/W 18mm C TO NEAREST SECURITY JUNCTION BOX)
	OCCUPANCY SENSOR: OSD-DUAL TECHNOLOGY OSR-DUAL CIRCUIT/DUAL TECHNOLOGY	COMMUNICATIONS	
	CEILING MOUNTED MOTION SENSOR		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.
FIRE ALARM			WIRELESS ACCESS POINT. PROVIDE 2" (51mm) C TO CABLE MANAGEMENT SYSTEM
	HEAT DETECTOR (135 DEGREE RATE OF RISE AND FIXED TEMPERATURE)		P.A. CALL SWITCH
	PULL STATION		WALL MOUNTED SPEAKER (CS=COLUMN SPEAKER)
	ALARM STROBE		CEILING MOUNTED SPEAKER
	COMBINATION HORN/STROBE	GENERAL	
	ALARM BELL	ER	INDICATED EXISTING ITEM TO REMAIN
ACCESS CONTROL		D	INDICATES EXISTING ITEM TO BE DELETED
	ELECTRIC STRIKE: CONFIRM ROUGHIN WITH DOOR HARDWARE.	R	INDICATES EXISTING ITEM TO BE RELOCATED/IN RELOCATED POSITION
	"PUSH-TO-LOCK" BUTTON	GF	GROUND FAULT
	EMERGENCY PUSH BUTTON STATION	CLG	CEILING MOUNTED
	"ASSISTANCE REQUIRED" DOME LIGHT WITH SOUNDER		NOTE INDICATOR
	"ASSISTANCE REQUIRED" INDICATOR LIGHT WITH SOUNDER		MECHANICAL ITEM NO.
STANDARD CIRCUIT LABELING		ELECTRIC HEAT	
POWER PANEL LABEL CIRCUIT INDICATION SWITCH LEG (IF APPLICABLE)			FAN FORCED ELECTRIC HEATER (TYPE AS INDICATED)



Professional Engineers
Ontario
Limited Engineering Licensee
Name: D.G. MCCONKEY
Number: 100230476
Limitations: Detailed design, reporting, and specifications for all building electrical systems, site servicing and review of conformity for these systems in new and renovation construction.
Association of Professional Engineers of Ontario

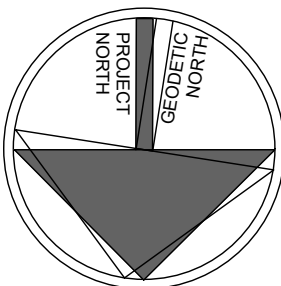


KEY PLAN

DEI
Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
55 Northland Road, Waterloo, ON N2V 1Y8
Phone: 226-735-3555
Website: deiasociates.ca
Project Number: 25450

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.
The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.
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A	Issued for Addendum 01	2026.05.14



no.	issue	date
1	Issued for Permit & Tender	2026.04.02
2	Issued for Permit	2026.05.26
3	Issued for Construction	2026.06.02

project
TRILLIUM JUNIOR PUBLIC SCHOOL INTERIOR RENOVATIONS
WATERLOO REGION DISTRICT SCHOOL BOARD

79 Laurentian Dr., Kitchener, ON N2E 1C3

drawing
LEGEND AND SCHEDULES

drawing scale

AS NOTED

ward99 project number

25022 - WRDSB TRILLIUM PS

ward99 architects

drawing no.

Wa
RD₉₉

ward99 architects inc.
7500 Highway 27, Unit 27B
Vaughan, ON L4H 0J2
info@ward99architects.com
416 613 5880 www.ward99architects.com

E1.1

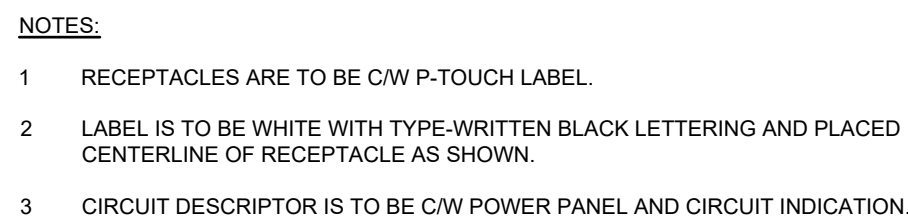
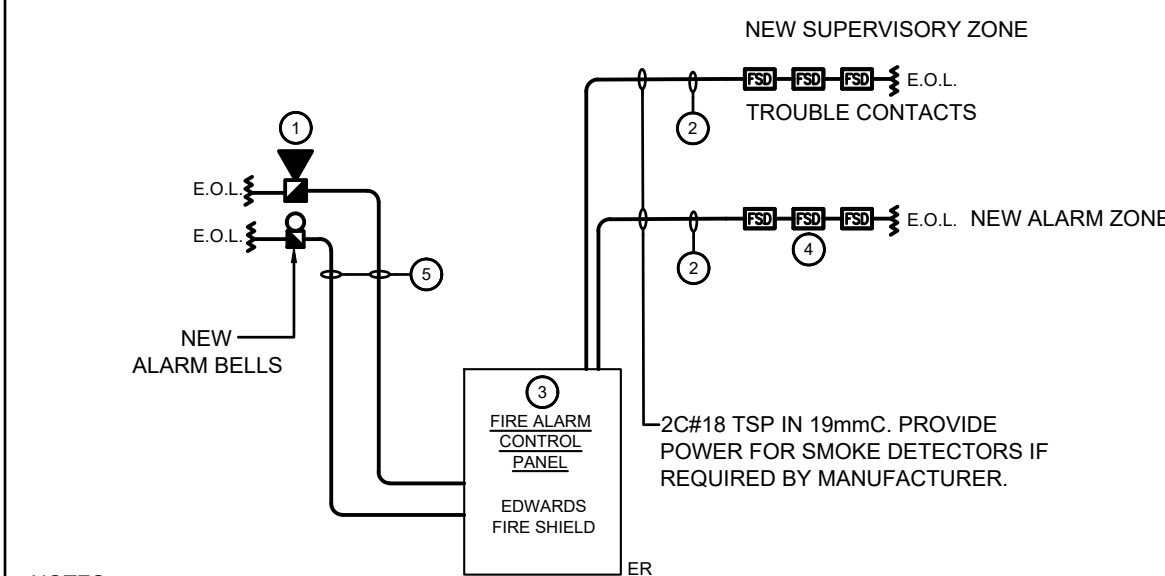


Figure 1 illustrates four different LP1 configurations, labeled LP1-2-1 through LP1-2-4. Each configuration is shown within a rectangular frame. LP1-2-1 shows a large rectangle with a smaller rectangle inside, labeled 'ON PLANS' and 'OSD/OSR'. LP1-2-2 shows a small rectangle labeled 'ON', labeled 'ON PLANS'. LP1-2-3 shows a large rectangle with a smaller rectangle inside, labeled 'ON PLANS' and '28'. LP1-2-4 shows a large rectangle with a smaller rectangle inside, labeled 'ON PLANS' and '36'.

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.



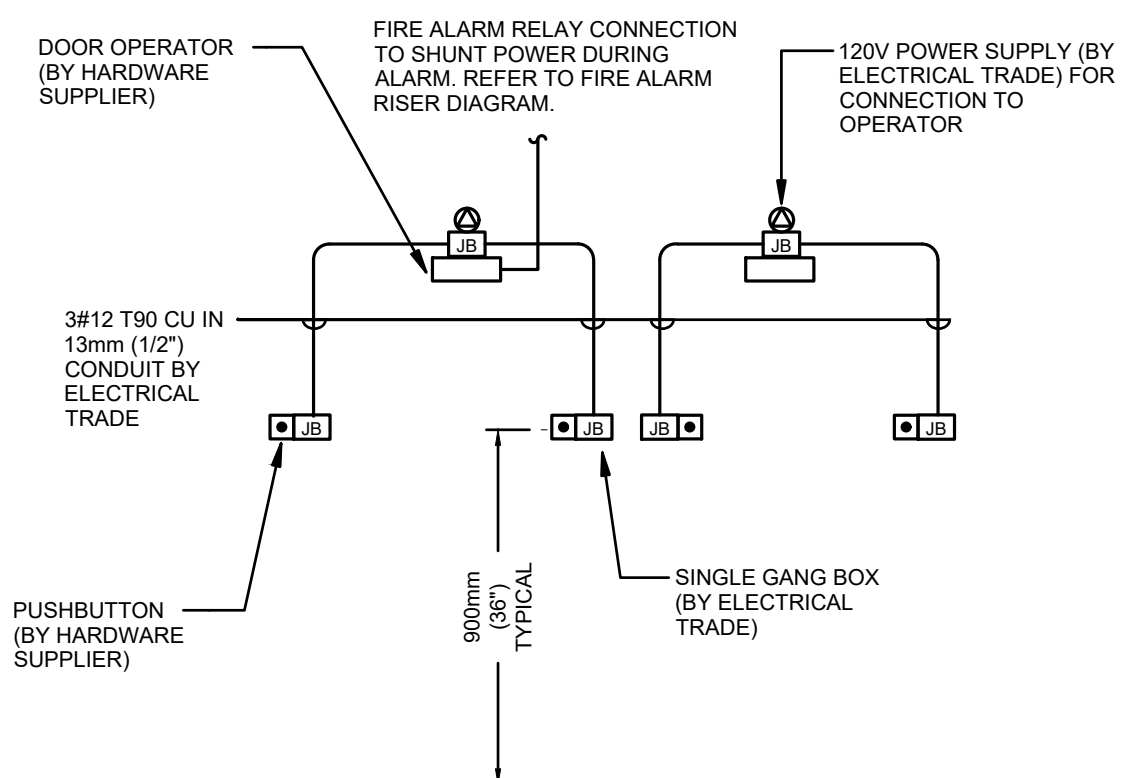
NOTES

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 NEW 120/208V PANEL FOR BOOSTER MODULE. UPDATE PANEL SCHEDULES ACCORDINGLY.

2 PROVIDE NEW FIRE ALARM CIRCUIT FOR NEW DEVICES. CONFIRM WIRING REQUIREMENTS WITH RESPECTIVE SYSTEM MANUFACTURER.

3 PROVIDE NEW TROUBLE ZONE "FIRE SMOKE DAMPER" ADD NEW SUPERVISORY ZONE "FIRE SMOKE DAMPER 120V TROUBLE". UPDATE ANNUNCIATOR 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 OF CONNECTION RINGS TO SMOKE/FIRE DAMPER. SMOKE/FIRE DAMPER AND ASSOCIATED INTEGRAL SMOKE DETECTOR TO BE PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR. PROVIDE MONITORING MODULES PER SMOKE/FIRE DAMPER TO SUPPLY COMMAND SIGNALS TO SMOKE/FIRE 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.

The logo of the Waterloo Region District School Board is a circular emblem. It features a stylized sun with two large black dots for eyes and a wide, open mouth. The sun is positioned behind two large, black, triangular shapes that resemble sails or a stylized 'W'. The words "WATERLOO REGION" are written in a white, sans-serif font along the top inner curve of the circle, and "DISTRICT SCHOOL BOARD" is written along the bottom inner curve.

 Professional Engineers
Ontario

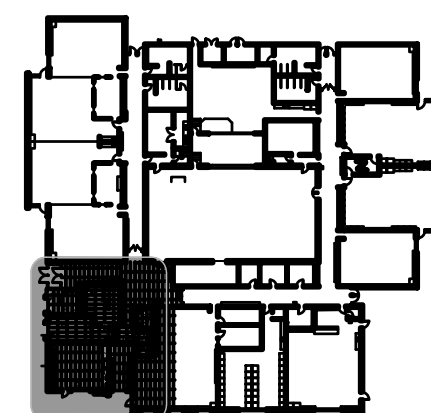
JM 06-02-2022

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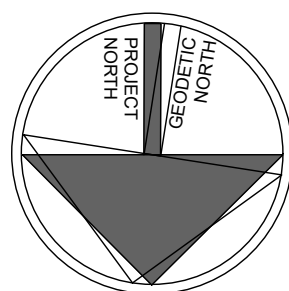
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no.	issue	date
1	Issued for Permit & Tender	2026.04.01
2	Issued for Permit	2026.05.21
3	Issued for Construction	2026.06.01

project
TRILLIUM JUNIOR PUBLIC SCHOOL INTERIOR RENOVATIONS
WATERLOO REGION DISTRICT SCHOOL BOARD

79 Laurentian Dr, Kitchener, ON N2E 1C3

ELECTRICAL DETAILS

drawing scale

AS NOTE

ward99 project number

25022 - WRDSB

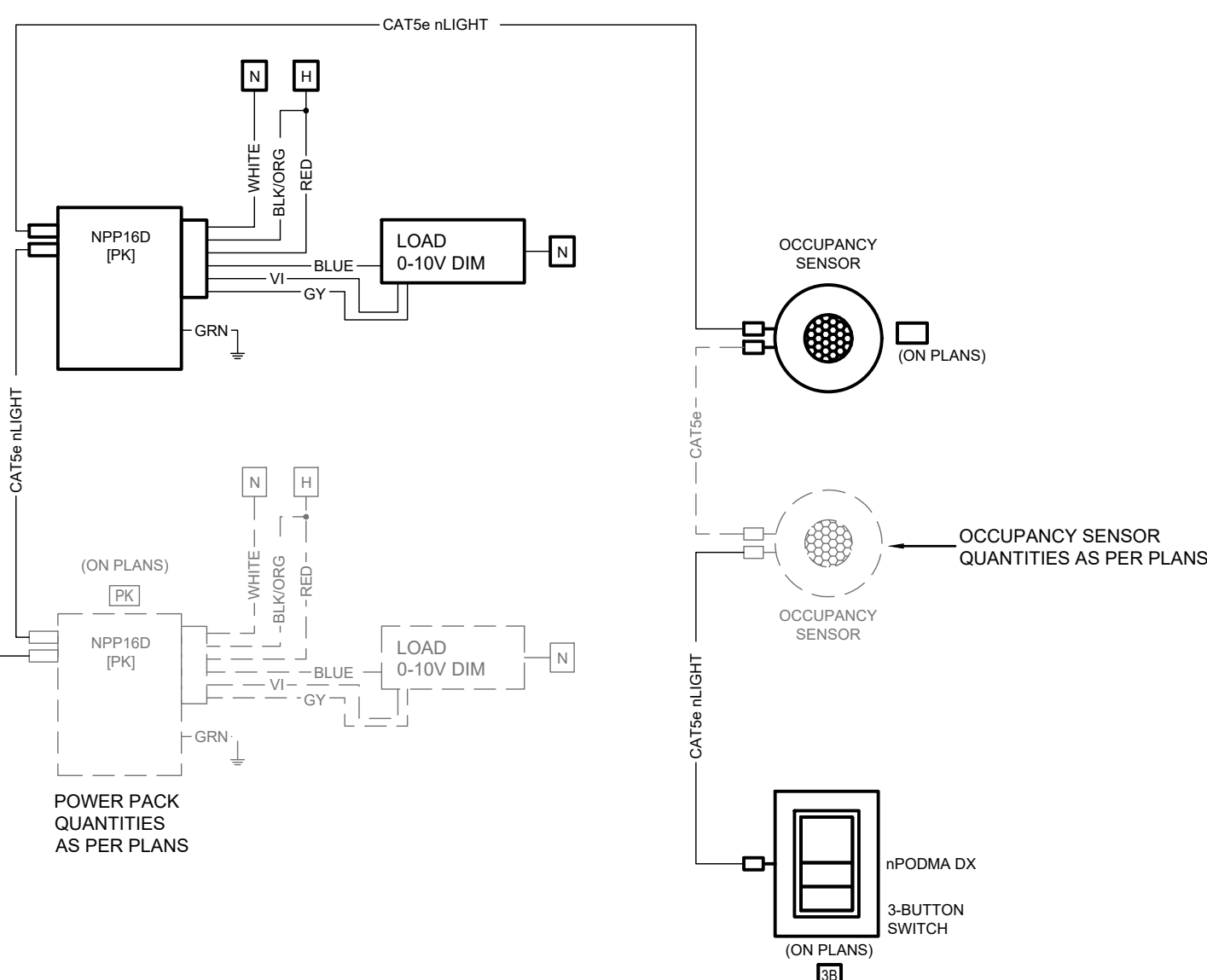
ward99
architects

architects

Wa
RD.

ward99 architects inc.
7500 Highway 27, Unit 27B
Vaughan ON L4H 0J2
info@ward99architects.com
416 613 5880 www.ward99.ca

E1.2



The diagram illustrates the electrical wiring for a doorbell system across three areas: Outside Room, Door, and Inside Room.

- Outside Room:** Contains a Door Operator (by hardware supplier) and a Pushbutton (by hardware supplier). A 3#12 T90 CU IN 13mm (1/2") conduit by electrical trade (typical) runs from the door operator to the door.
- Door:** Contains an Emergency Call Transformer to suit load of components and a Bell. The transformer is connected to the pushbutton and the bell. A single gang box (by electrical trade) is also shown.
- Inside Room:** Contains a Dome Light with Sounder (2400mm AFF or 300mm below finished ceiling) and an Indicator Light with Sounder (2400mm AFF or 300mm below finished ceiling). Both lights are connected to the transformer and the bell.

Key components and notes include:

- *ASSISTANCE REQUIRED* DOME LIGHT WITH SOUNDER (2400mm AFF or 300mm below finished ceiling)
- CIRCUIT AS NOTED ON DRAWINGS
- EMERGENCY CALL TRANSFORMER TO SUIT LOAD OF COMPONENTS
- *ASSISTANCE REQUIRED* INDICATOR LIGHT WITH SOUNDER (2400mm AFF or 300mm below finished ceiling)
- EMERGENCY CALL PUSHBUTTON
- SINGLE GANG BOX (BY ELECTRICAL TRADE)
- 3#12 T90 CU IN 13mm (1/2") CONDUIT BY ELECTRICAL TRADE (TYPICAL)
- DOOR OPERATOR (BY HARDWARE SUPPLIER)
- PUSHBUTTON (BY HARDWARE SUPPLIER)
- DOOR
- INSIDE ROOM
- OUTSIDE ROOM

NOTES:

1. THIS CONTRACTOR IS TO MAKE ALL CONNECTIONS TO ALL DEVICES AS SUPPLIED BY THE HARDWARE CONTRACTOR. ALL OTHER DEVICES BY HARDWARE CONTRACTOR.
2. WHEN EMERGENCY CALL STATION IS ENGAGED, ELECTRIC STRIKE IS TO DISENGAGE TO ALLOW FOR ACCESS TO ROOM. CO-ORDINATE REQUIRED CONNECTIONS WITH THE HARDWARE SUPPLIER. REFER TO NOTE 3.
3. PROVIDE LOW VOLTAGE INTERCONNECT WIRING TO SUIT SUPPLIER. FOR PRICING PURPOSES ALLOW 4c418 IN 13mmC.

project
TRILLIUM JUNIOR PUBLIC SCHOOL INTERIOR RENOVATIONS
WATERLOO REGION DISTRICT SCHOOL BOARD

79 Laurentian Dr, Kitchener, ON N2E 1C3

ELECTRICAL DETAILS

drawing scale

AS NOTE

ward99 project number

25022 - WRDSB

ward99
architects

architects

Wa
RD.

ward99 architects inc.
7500 Highway 27, Unit 27B
Vaughan ON L4H 0J2
info@ward99architects.com
416 613 5880 www.ward99.ca

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