

ELE	CTRICAL SYMBOLS	NOTE	E: ALL SYMBOLS MAY NOT BE A SERVICE
	LIGHTING		POWER
X	LIGHT FIXTURE TYPE AS INDICATED	Ф	WALL MOUNTED RECEPTACLE (15A-120V)
>	WALL MOUNTED EXIT LIGHT SHADING INDICATES FACE	•	WALL MOUNTED T-SLOT RECEPTACLE (20A-120V)
Į a'a	SINGLE OR TWIN EMERGENCY LIGHTING FIXTURE	#	T-SLOT RECEPTACLE MTD. ABOVE COUNTER (20A-120V)
\ \	BATTERY UNIT WITH INTEGRAL EMERGENCY FIXTURE	P s	RECEPTACLE MTD. ABOVE COUNTER S=SPLIT (15A-120V)
EM-X	(EM-X INDICATES BATTERY UNIT TYPE)	©	DIRECT CONNECTION
.	SINGLE POLE SWITCH (3=3 WAY, 4=4 WAY, P=PILOT LIGHT, K=KEYED, DM=DIMMER, M=MOTOR RATED,	=	PANEL AS INDICATED
\$	F=FAN SWITCH)	ď	FUSED DISCONNECT
OS	CEILING MOUNTED MOTION SENSOR	•	PUSH-BUTTON STATION (QUANTITY OF BUTTONS AS PER PLANS)
DR	DIGITAL ROOM CONTROLLER	\boxtimes	TRANSFORMER
PK	ANALOG POWER PACK	S	SPEED CONTROLLER
DM	DIGITAL WALL DIMMER STATION	□RA	THERMOSTAT (RA=REVERSE ACTING) HONEYWELL CAT. #T6051 SERIES
	COMMUNICATIONS	V	INTERVAL TIMER (EQUAL TO LEVITON CAT. #LTB15-1L)
4	COMBINATION SINGLE VOICE/ SINGLE COMPUTER OUTLET UNLESS OTHERWISE		SECURITY
	NOTED C/W 1" (27mm) C TO CABLE MANAGEMENT SYSTEM.	П	SECURITY DETECTOR (SURFACE MOUNTED)
WAP	WIRELESS ACCESS POINT. PROVIDE 34" (21mm) C TO CABLE MANAGEMENT SYSTEM	Z C	CEILING MOUNTED CAMERA
ф	HANDSET (ND = NON-DIAL STYLE)		ACCESS CONTROL
	GENERAL	DC	DOOR CONTACT C/W 19mmC TO NEAREST SECURITY JUNCTION BOX (REFER TO DETAIL)
ER	INDICATED EXISTING ITEM TO REMAIN	ES	ELECTRIC STRIKE. CONFIRM ROUGHIN WITH DOOR HARDWARE.
D	INDICATES EXISTING ITEM TO BE DELETED		CARD/FOB READER ROUGH-IN AS A SINGLE GANG BOX AT 1100mr AFF C/W 13mmC TO ELECTRIC
R	INDICATES EXISTING ITEM TO BE RELOCATED/IN RELOCATED POSITION	CR	STRIKE IN ADJACENT DOOR FRAME. CONFIRM ROUGH—IN WITH DOOR HARDWARE.
GF	GROUND FAULT		INTERCOM ENTRY DEVICE
WP	WEATHERPROOF	KP	KEYPAD
CLG	CEILING MOUNTED		FIRE ALARM
X	NOTE INDICATOR	B	HEAT DETECTOR (135 DEGREE RATE OF RISE AND FIXED TEMPERATURE)
⊗	MECHANICAL ITEM NO.	S	SMOKE DETECTOR (RL=RELAY BASE)
STA	ANDARD CIRCUIT LABELING		PULLSTATION
POWFR	A-1-1 PANEL LABEL/ /	8	ALARM BELL
CIRCUIT	INDICATION ————————————————————————————————————	Y	ALARM STROBE
		DH	DOOR HOLD OPEN DEVICE
			<u> </u>

Description	Data	Starter	Control Device	lsola Dev	ating vice	Remote Item	s	Inte	lock Remarks	Description	Data		Starter	Control Device	Isolating Device	Rer	mote Items		Inter	lock Remarks
Description	Provided by Voltage Size hp/kW/Amps Phase	Magnetic Manual Contactor Combination Variable Frequency Drive	Hand/Off/Auto On/Off Selector Start/Stop PB. High/Low/Off	Disconnect WP	Disconnect Brkr/Fuse Starter/Device Wired By Thermostat	RA Thermostat Interval Timer Var.Speed Cntrl Motor Rated Sw. c/w Pilot Light	Relay Control Panel Wired by Bldg Auto System Wired by	Interlock To	Interlock By Description	Electrical Item Description	Voltage Size hp/kW/Amps	Phase Magnetic	Manual Contactor Combination Variable Frequency Drive	Hand/Off/Auto On/Off Selector Start/Stop PB. High/Low/Off	Disconnect WP Disconnect Brkr/Fuse Starter/Device	Thermostat Thermostat Interval Timer	Var.Speed Cntrl Motor Rated Sw. c/w Pilot Light Dual Voltage Relay	Wired by Bldg Auto System Wired by	Interlock To	Interlock By Description
C-21 I	M 208 0.25 1			E	E E M		м м м	EX- CU-20	M/E WIRE THROUGH EX-CU-20	10 CU-22	M 208 30.2 MCA	1			E E E			ММ	AC-23	M/E
AC-22 I	M 208 0.25 1			E	E E M				M/E WIRE THROUGH CU-21	11 AC-25	M 208 0.25	1			E E E	М		M M M	CU-23	M/E WIRE THROUGH CU-23
CU-20 I	M 208 18.6 1			E	E E E		мм	AC-21	M/E	12 AC-26	M 208 0.25 MCA	1			E E E	М		M M M	CU-23	M/E WIRE THROUGH CU-23
AC-23 I	M 208 0.25 1			E	E E M		м м м	CU-22	M/E WIRE THROUGH CU-22	13 CU-23	M 208 30.2 MCA	1			E E E			ММ	AC-25 AC-26	M/E
AC-24 I	M 208 0.25 1			E	E E M		м м м	CU-21	M/E WIRE THROUGH CU-21	14 AC-27	M 208 0.25	1			E E E	М				M/E WIRE THROUGH CU-24
CU-22 I	M 208 19 1			E	E E E		мм	AC-22 AC-24	M/E	15 AC-28	M 208 0.25	1			E E E	М		M M M	CU-24	M/E WIRE THROUGH CU-24
EF-7 !	M 120 1/3 1			E	E E	E	E M M		ELEVATOR MACHINE ROOM	16 CU-25	M 208 18.6 MCA	1			E E E			ММ	AC-27 AC-28	1
ORCE FLOW I	M 120 FHP 1			E	E E M		M M M													
F-8 I	M 120 FHP 1			E	E E	E			LOCAL EXHAUST											KITCHEN

REVISIONS NO. DATE 1 04/14/2022 COORDINATION SET 2 09/08/2022 COORDINATION SET 3 11/24/2022 COORDINATION SET 4 01/13/2023 COORDINATION SET 5 02/02/2023 ISSUED FOR PERMIT 6 04/04/2023 ISSUED FOR TENDER 7 06/23/2023 ISSUED FOR DEMO PERMIT 8 | 10/11/2023 | ISSUED FOR BUILDING PERMIT 9 11/01/2023 RE-ISSUED FOR BUILDING PERMIT

A 08/02/2023 ISSUED FOR CHANGE NOTICE B 08/29/2023 ISSUED FOR CHANGE NOTICE

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55 Northland Road, Waterloo, ON, N2V 1Y8 Phone: 519-725-3555 Website: deiassociates.ca Project Number: 22084 **Consulting Engineers** ∩ Γ₁ MECHANICAL | ELECTRICAL | AQUATIC

CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD, 51 ARDELT AVENUE, KITCHENER, ONTARIO, N2C 2R5

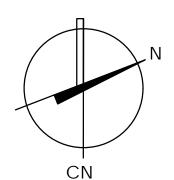
PROJECT:

KING EDWARD PS ELEVATOR ADDITION

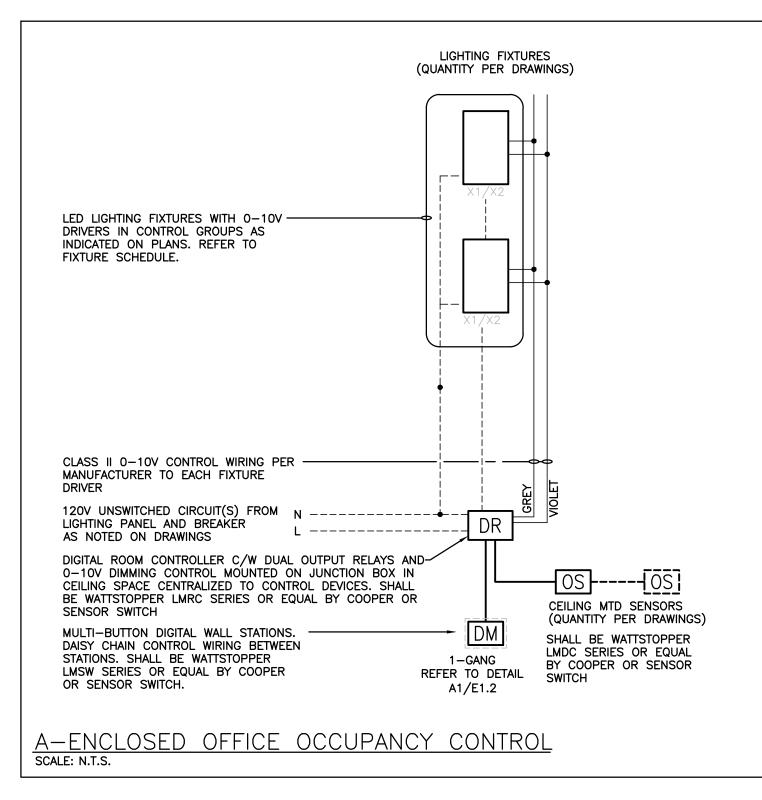
709 KING STREET WEST, KITCHENER, ON N2G 1E3

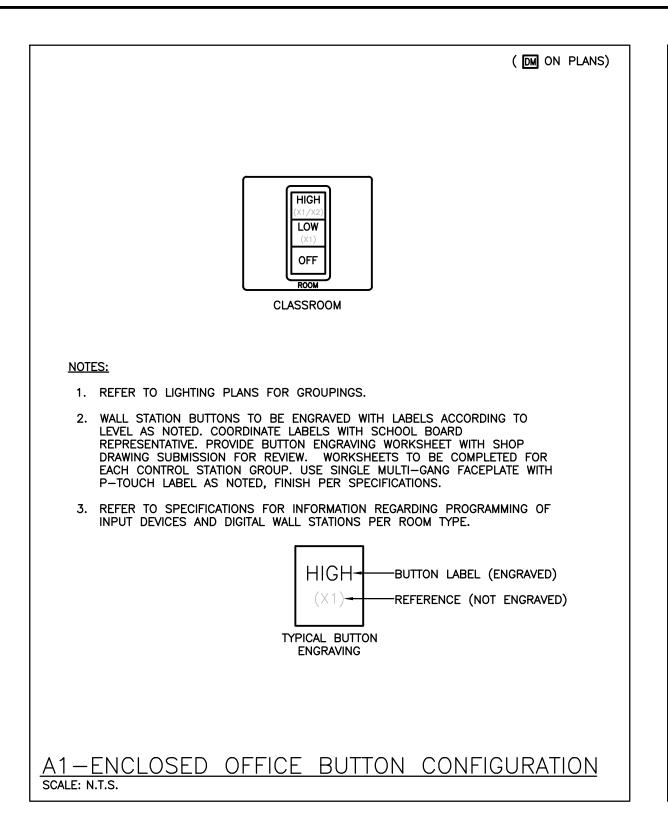
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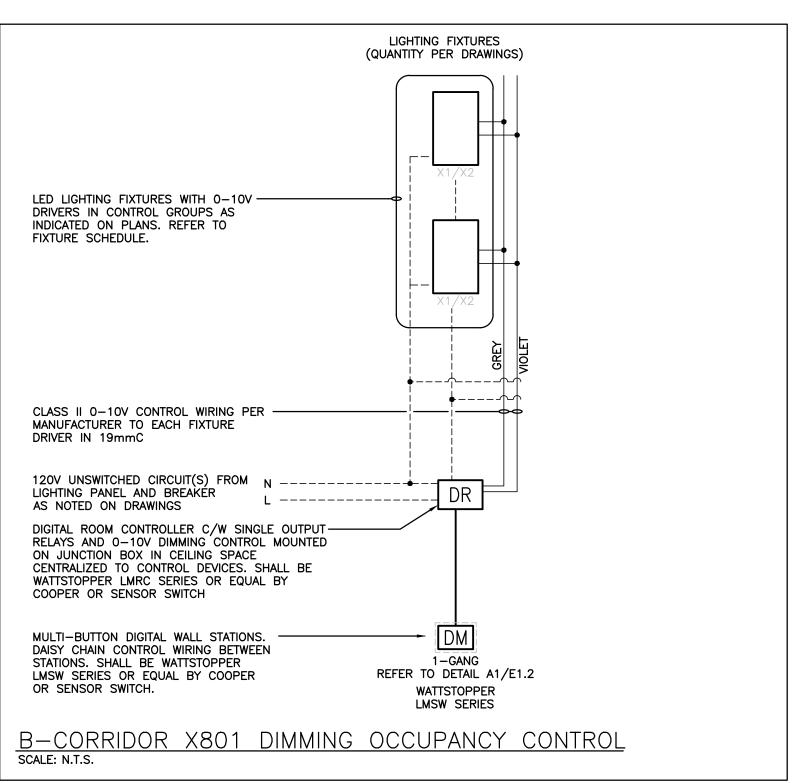


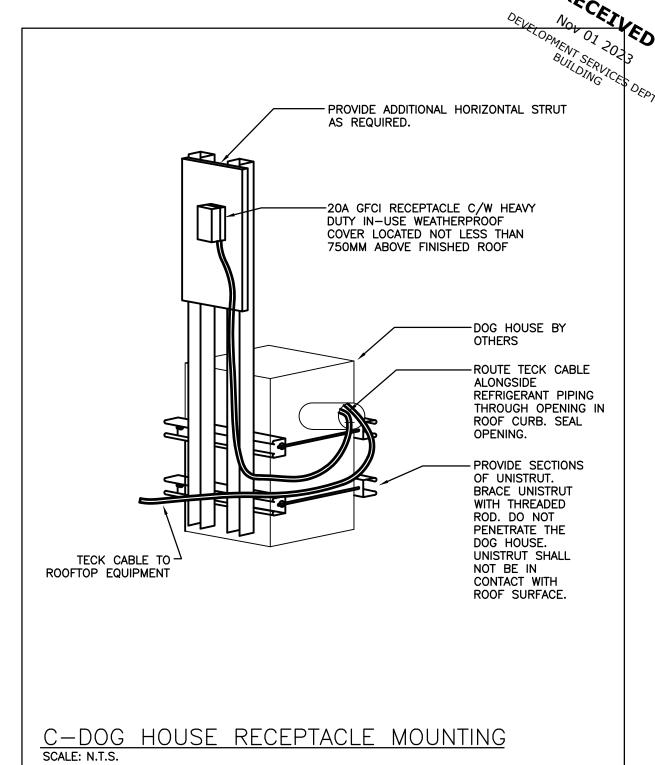


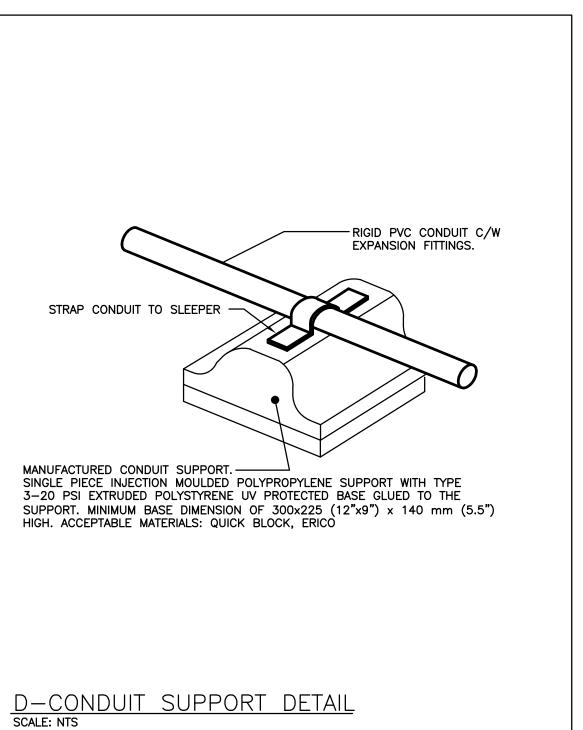
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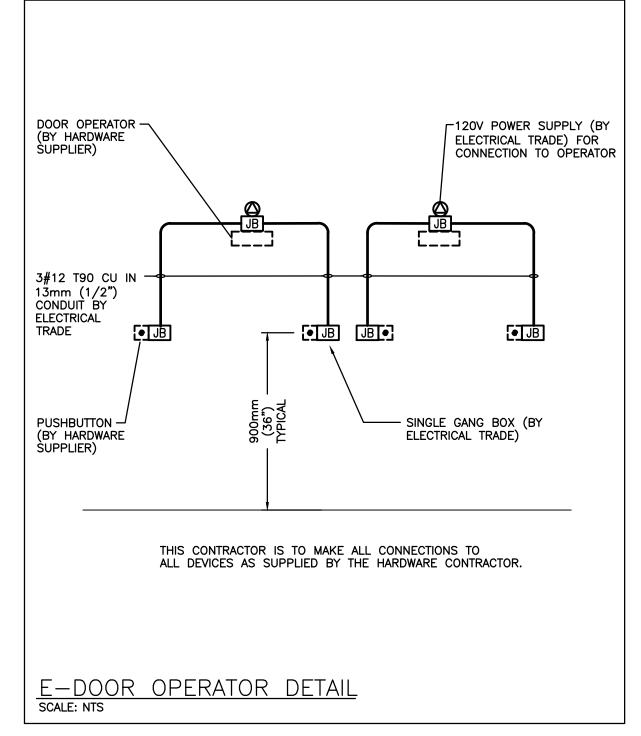












ltem	Manufacturer/Catalog Number	Voltage	Lamp	Mounting	Description
В	COOPER CAT. #4-SNLED-LD5-47SL-LW-UNV-L840-CD-1-AYC-WG/SNF-4FT LITHONIA CAT. #CSS-L48-AL03-MVOLT-SWW3-80CRI C/W #WGCSS SIGNIFY CAT. #FSS455L840-UNV-DIM / FSSWG4 / FKR-126	120V	41W LED 4900lm 4000°K	SUSPENDED /SURFACE	4'(1220mm) SURFACE LED STRIP LIGHT C/W WIDE LENSED OPTICAL DISTRIBUTION. CHAIN SUSPENSION KIT AND WIRE GUARD.
С	COOPER CAT. #HC6-1500-D010-HM6-0525-840-61-MD-H LITHONIA CAT. #LDN6-40/15-AR-LSS-TRW-MVOLT-GZ1 LIGHTOLIER CAT. #6RN-C6L15840MZ10U-C6RDLXX	120V	15W LED 1500lm 4000°K	RECESSED	6" (150mm) POTLIGHT C/W 0-10V DIMMING DRIVER, SEMI-SPECULAR CLEAR REFLECTOR, WHITE POLYMER TRIM RING AND CUSTOM FINISH TO BE SELECTED BY ARCHITECT.
L	LITHONIA CAT. #2BLT4-40L-ADP-GZ1-LP840 COOPER CAT. #24CZ2-40-UNV-L840-CD-1 ELITE CAT. #24-OVHP-LED-4000L-DIM10-MVOLT-40K-85	120V	32W LED 4000lm 4000°K	RECESSED	2'X4' (610mmX1220mm) SHALLOW VOLUMETRIC LED TROFFER C/W SMOOTH FROSTED ACRYLIC LENS AND 0-10V DIMMING DRIVER.
L1	LITHONIA CAT. #2BLT4-30L-ADP-GZ1-LP840 COOPER CAT. #24CZ2-30-UNV-L840-CD-1 ELITE CAT. #24-OVHP-LED-4000L-DIM10-MVOLT-40K-85	120V	22W LED 3000lm 4000*K	RECESSED	2'X4' (610mmX1220mm) SHALLOW VOLUMETRIC LED TROFFER C/W SMOOTH FROSTED ACRYLIC LENS AND 0-10V DIMMING DRIVER.
L2	LITHONIA CAT. #2BLT4-48L-ADP-GZ1-LP840 C/W 2X4SMKSHP COOPER CAT. #24CZ2-50-UNV-L840-CD-1 C/W SK-24-WS ELITE CAT. #24-OVHP-LED-5000L-DIM10-MVOLT-40K-85 C/W 24-0VHP-LED-SMK	120V	38W LED 4800lm 4000*K	SURFACE	2'X4' (610mmX1220mm) SHALLOW VOLUMETRIC LED TROFFER C/W SMOOTH FROSTED ACRYLIC LENS, 0-10V DIMMING DRIVER AND SURFACE MOUNT KIT.
MERG. BATT.	BEGHELLI TEMPESTA SERIES: EM-3 #TA-LED-EM-120-S-90SP (SURFACE CEILING MOUNT) OR APPROVED EQUALS BY: STANPRO AIMLIGHT CAT. #VP1 SERIES	120V	N/A	SURFACE	VANDAL RESISTANT LONG LIFE, SEALED BATTERY, C/W 17W LED MODULES, POLYCARBONATE BODY AND 90 MINUTE BATTERY DURATION.
COMBO UNIT	BEGHELLI CAT. EM-1 #QR1236L1MBTMR2SWRMOLR EM-2 #QR1272L1MBTMR2SWRMOLR STANPRO CAT. EM-1#PRML123602S4LR EM-2#PRML127202S4LR AIMLITE CAT. EM-1#CARP1236UU2MDWHT EM-2#CARP1272UU2MDWHT	12V/120V	LED 4W MR16	SURFACE	LED EXTRUDED ALUMINUM PICTOGRAM FIXTURE C/W GREEN FACE AND WHITE LEGEND, UNIVERSAL MOUNTING TO SUIT WALL, END OR CEILING, MAXIMUM 63mm (2.5") THICKNESS AND 12V INTERNAL SEALED RECHARGABLE BATTERY PROVIDING MINIMUM EMERGENCY WATTAGE AS NOTED BY THE CATALOGUE NUMBER. INTEGRAL 12V LED HEADS TO HAVE COMPACT DESIGN WITH VARIABLE LIGHT PATTERN, WHITE COLOUR, AND 360° ROTATION. UNIT SHALL OPERATE ON 12V. WHERE NOTED UNIT SHALL BE C/W WIREGUARD.
NOTES:	1) FOR INFORMATION REGARDING DRIVER AND LENS INFORMATION REFER TO SPECIFICATION.		<u> </u>	3) WHERE NO	TED ABOVE THAT FIXTURES ARE TO HAVE FINISH TO SUIT

Space Type	Room Names	Control Sequence / Control Device(s):	Control System
Corridor	TYPICAL Sequence: MANUAL ON: Lights turned on manually via dimming station. MANUAL OFF: Lights turned off manually via dimming station. MANUAL OFF: Lights turned off manually via dimming station. Sequence: ON: Lights turned on manually via wall station(s). ADJUST: The occupant manually adjusts lighting within the room to desired level or preset in each group via wall dimmer. OFF: 5 minutes after the room has been vacated, the lights will automatically turn off. YSTEM DESCRIPTIONS: L ROOM CONTROL (DLM) SYSTEM LINE VOLTAGE OCCUPANCY CONTROL SYSTEM LINE VOLTAGE WALL SENSOR SWITCHES AND LINE VOLTAGE POWER PACKS WITH HARD WIRED SENSORS.	DIGITAL ROOM CONTROL SYSTEM	
Enclosed Offices	TYPICAL	ON: Lights turned on manually via wall station(s). ADJUST: The occupant manually adjusts lighting within the room to desired level or preset in	DIGITAL ROOM CONTROL SYSTEM
SYSTEM DES	CRIPTIONS:		
DIGITAL ROOM CONTROL (E	DLM) SYSTEM	LINE VOLTAGE OCCUPANCY CONTROL SYSTEM	
DIGITAL ROOM CONTROL RI PLUG AND PLAY DIGITAL S	ELAY POWER PACKS C/W ENSORS AND WALL MOUNT	LINE VOLTAGE WALL SENSOR SWITCHES AND LINE VOLTAGE POWER PACKS WITH HARD WIRED SENSORS.	
CONTROL STATIONS.		REFER TO SPECIFICATIONS.	

SHOP DRAWING REVIEW.

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CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD, 51 ARDELT AVENUE, KITCHENER, ONTARIO, N2C 2R5

MECHANICAL | ELECTRICAL | AQUATIC

PROJECT:

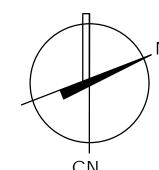
ADDITION

KING EDWARD PS ELEVATOR

709 KING STREET WEST, KITCHENER, ON N2G 1E3

ORIGINAL PAGE SIZE ARCH D - 24" X 36"

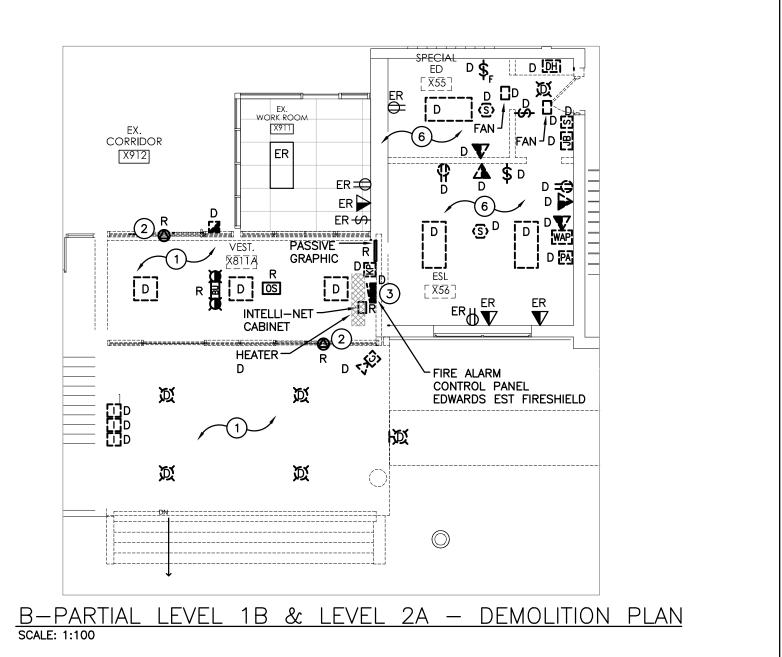


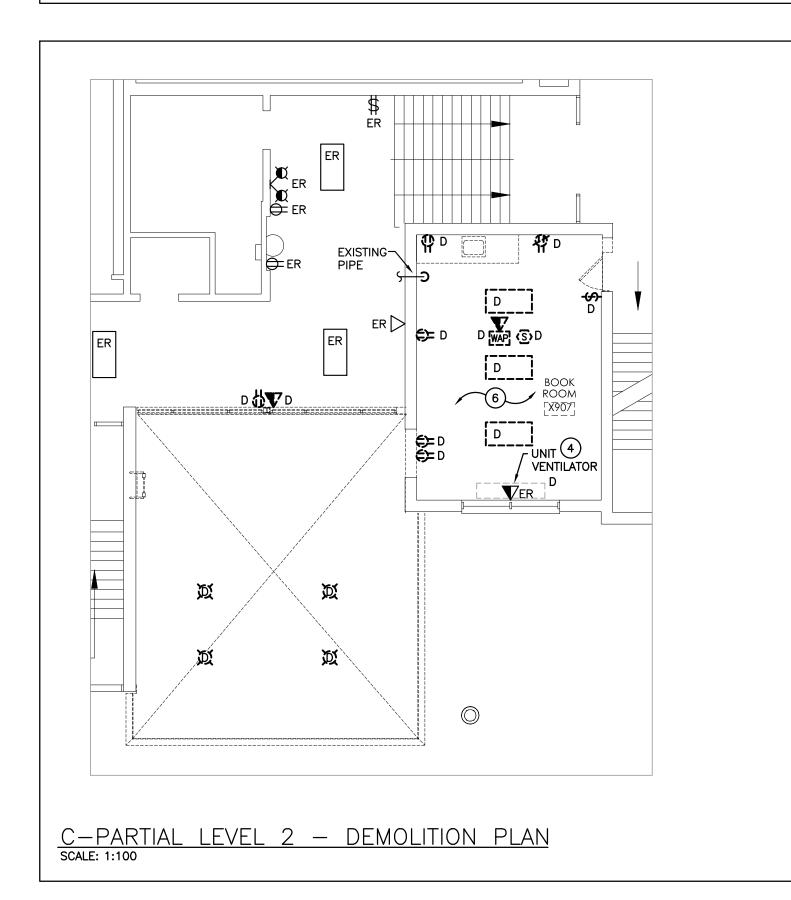


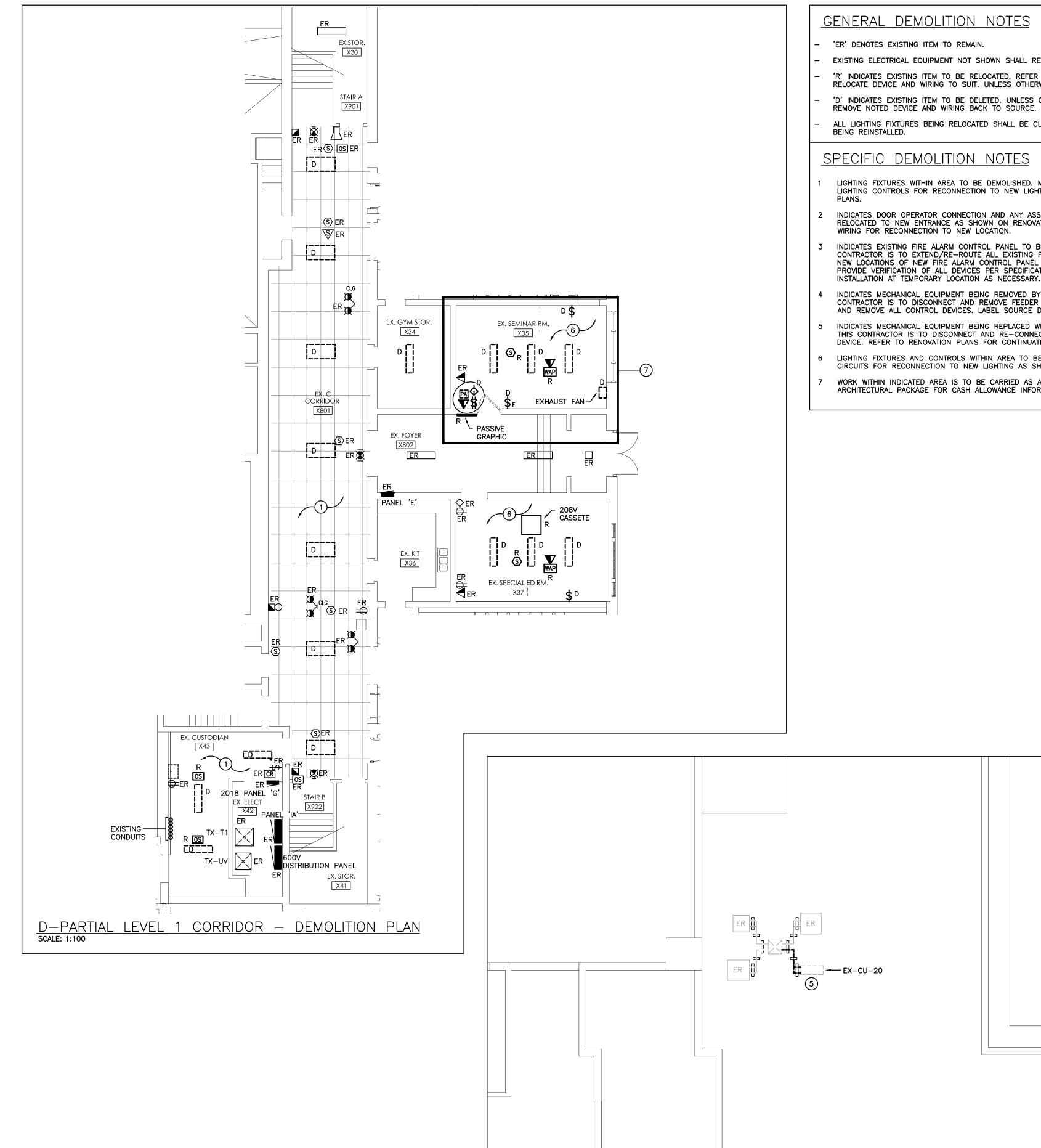
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PERMIT # 23 107615

CHECKED BY: RL







GENERAL DEMOLITION NOTES

E-PARTIAL ROOF - DEMOLITION PLAN
SCALE: 1:100

- EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE. 'R' INDICATES EXISTING ITEM TO BE RELOCATED. REFER TO RENOVATION DRAWINGS AND RELOCATE DEVICE AND WIRING TO SUIT. UNLESS OTHERWISE NOTED.
- 'D' INDICATES EXISTING ITEM TO BE DELETED. UNLESS OTHERWISE NOTED DISCONNECT AND
- ALL LIGHTING FIXTURES BEING RELOCATED SHALL BE CLEANED AND CHECKED PRIOR TO

SPECIFIC DEMOLITION NOTES

- LIGHTING FIXTURES WITHIN AREA TO BE DEMOLISHED. MAINTAIN LIGHTING CIRCUITS AND LIGHTING CONTROLS FOR RECONNECTION TO NEW LIGHTING AS SHOWN ON RENOVATION
- INDICATES DOOR OPERATOR CONNECTION AND ANY ASSOCIATED AUXILIARY DEVICES TO BE RELOCATED TO NEW ENTRANCE AS SHOWN ON RENOVATION PLANS. MAINTAIN AND EXTEND WIRING FOR RECONNECTION TO NEW LOCATION.
- INDICATES EXISTING FIRE ALARM CONTROL PANEL TO BE DEMOLISHED. ELECTRICAL CONTRACTOR IS TO EXTEND/RE-ROUTE ALL EXISTING FEEDS TO SUIT TEMPORARY AND NEW LOCATIONS OF NEW FIRE ALARM CONTROL PANEL AS SHOWN ON RENOVATION. PROVIDE VERIFICATION OF ALL DEVICES PER SPECIFICATIONS. RETAIN EXISTING PANEL FOR INSTALLATION AT TEMPORARY LOCATION AS NECESSARY.
- INDICATES MECHANICAL EQUIPMENT BEING REMOVED BY MECHANICAL TRADE. THIS CONTRACTOR IS TO DISCONNECT AND REMOVE FEEDER BACK TO SOURCE. DISCONNECT AND REMOVE ALL CONTROL DEVICES. LABEL SOURCE DEVICE AS SPARE.
- INDICATES MECHANICAL EQUIPMENT BEING REPLACED WITH NEW BY MECHANICAL TRADE. THIS CONTRACTOR IS TO DISCONNECT AND RE-CONNECT EXISTING FEEDER TO NEW DEVICE. REFER TO RENOVATION PLANS FOR CONTINUATION.
- LIGHTING FIXTURES AND CONTROLS WITHIN AREA TO BE DEMOLISHED. MAINTAIN LIGHTING CIRCUITS FOR RECONNECTION TO NEW LIGHTING AS SHOWN ON RENOVATION PLANS.
- WORK WITHIN INDICATED AREA IS TO BE CARRIED AS A CASH ALLOWANCE. REFER TO ARCHITECTURAL PACKAGE FOR CASH ALLOWANCE INFORMATION.

REVISIONS NO. DATE

1 04/14/2022 COORDINATION SET

2 09/08/2022 COORDINATION SET 3 11/24/2022 COORDINATION SET

4 01/13/2023 COORDINATION SET 5 02/02/2023 ISSUED FOR PERMIT

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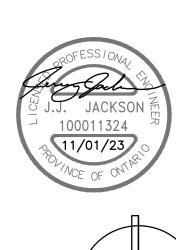
WATERLOO REGION DISTRICT SCHOOL BOARD, 51 ARDELT AVENUE, KITCHENER, ONTARIO, N2C 2R5

PROJECT:

KING EDWARD PS ELEVATOR **ADDITION**

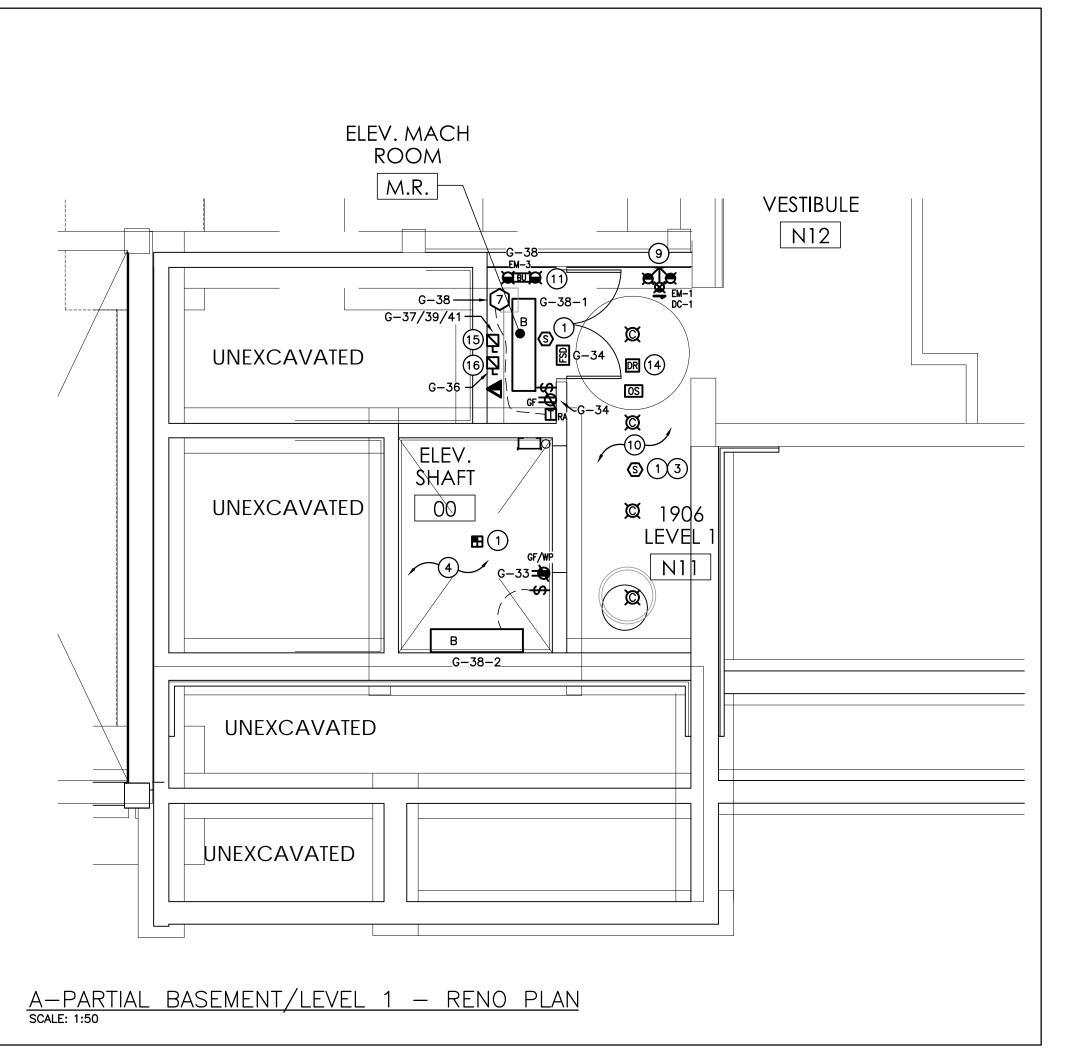
709 KING STREET WEST, KITCHENER, ON N2G 1E3

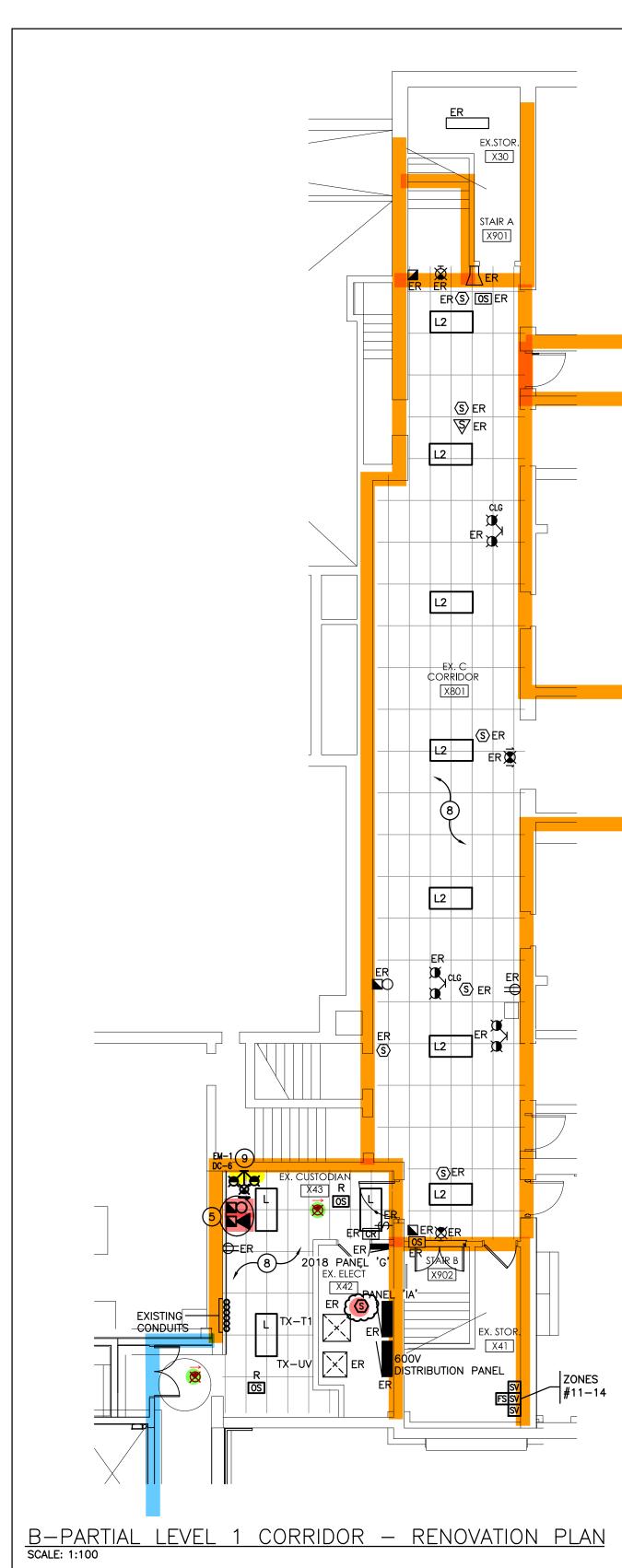
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PERMIT # 23 10761





BUILDING INSPECTOR TO VERIFY IF ADDITIONAL EXIT SIGNS / EMERGENCY LIGHTING IS REQUIRED.

GENERAL RENOVATION NOTES

'ER' INDICATES EXISTING ITEM TO REMAIN.

MOUNT WIREMOLD 700 SERIES.

- '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).

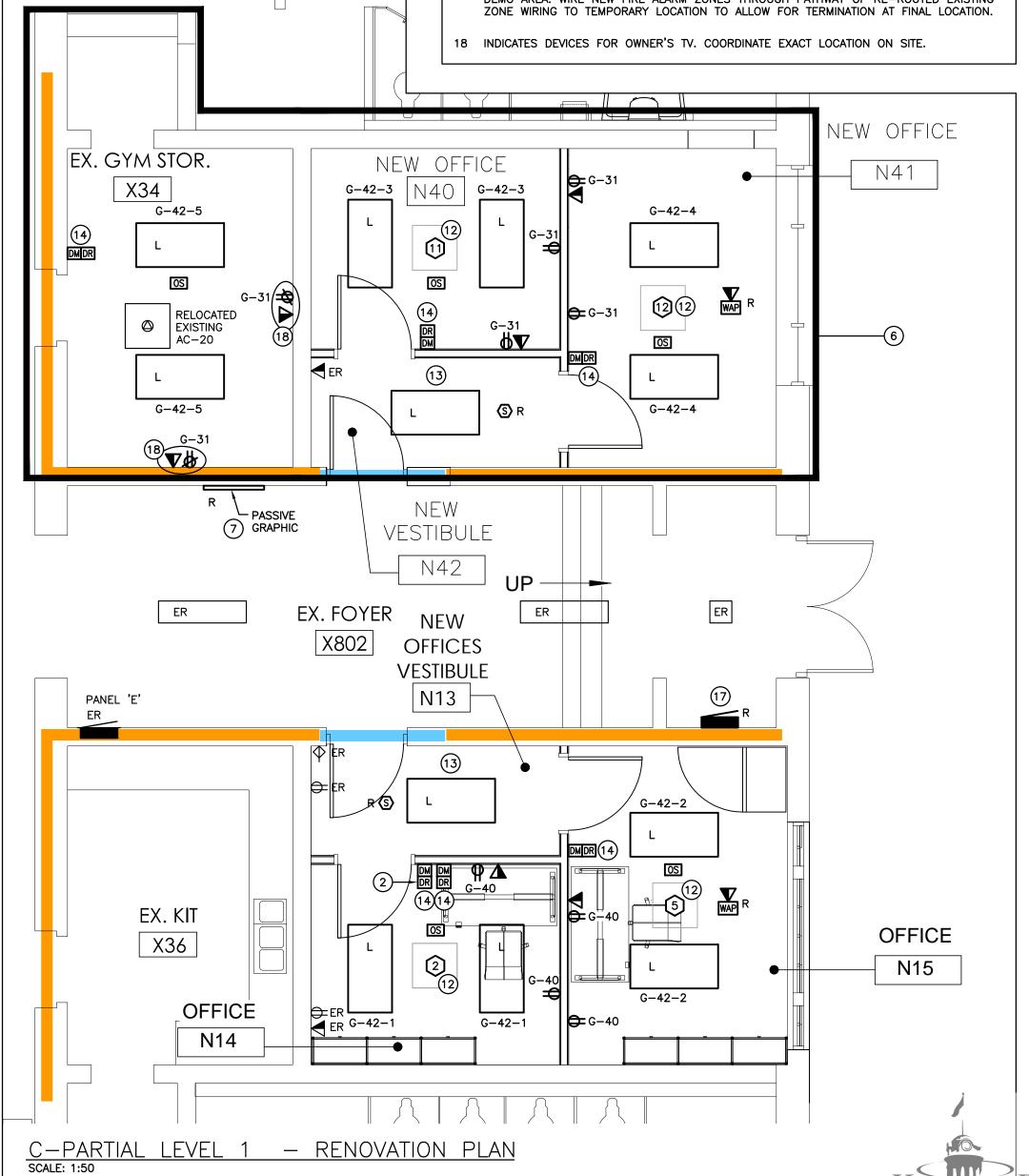
ALL RECEPTACLES ARE TO BE TAMPERPROOF RESISTANT TYPE AS PER LATEST OESC 26-706.

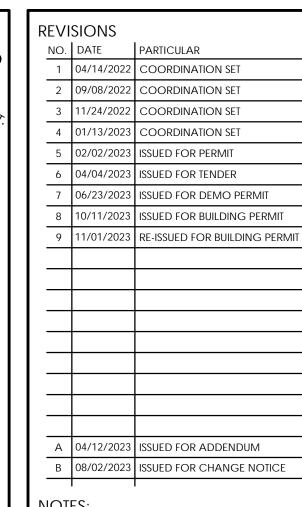
INDICATES EXISTING WALL TO BE FISHED TO FEED INDICATED DEVICE. IF WALL CANNOT BE FISHED PROVIDE SURFACE

SPECIFIC RENOVATION NOTES

LIGHTING CONTROLS.

- THROUGH PROGRAMMING WHEN INDICATED DETECTOR IS IN ALARM. ASSOCIATED RELAY IN CONTROL PANEL IS TO CLOSE AND SEND SIGNAL TO ELEVATOR CONTROLLER.
- INDICATES DIMMER SWITCH FOR CONTROL OF NEW LIGHTING WITHIN EXISTING CORRIDOR X801. PROVIDE LAMICOID LABEL FOR SWITCH.
- INDICATES NEW FIRE ALARM INITIATING DEVICE IN ELEVATOR LOBBY CONNECTED TO NEW ADDRESSABLE LOOP AND CROSS-ZONED TO EXISTING FLOOR INITIATING ALARM ZONE. REFER TO FIRE ALARM RISER.
- INDICATED DEVICES TO BE INSTALLED IN ELEVATOR/LIFT PIT. COORDINATE WITH ELEVATOR SHOP DRAWINGS.
- CONNECT INDICATED DEVICE TO THE LOCAL SIGNAL CIRCUIT. ALL WIRING MUST BE SUPERVISED.
- WORK WITHIN INDICATED AREA IS TO BE CARRIED AS A CASH ALLOWANCE. REFER TO ARCHITECTURAL PACKAGE FOR CASH ALLOWANCE INFORMATION.
- ELECTRICAL CONTRACTOR SHALL REPLACE EXISTING PASSIVE GRAPHIC WITH UPDATED TO SUIT NEW LOCATION.
- INDICATED LIGHTING WITHIN AREA TO BE CONNECTED TO EXISTING CORRIDOR LIGHTING AND
- INDICATES NEW EMERGENCY BATTERY UNIT TO BE CONNECTED TO UNSWITCHED SIDE OF LOCAL LIGHTING CIRCUIT.
- 10 INDICATED LIGHTING WITHIN AREA TO BE CONNECTED TO EXISTING CORRIDOR LIGHTING. REWORK CONTROLS TO SUIT NEW LAYOUT.
- 11 INDICATED DEVICE IS TO BE CEILING MOUNTED. PROVIDE ADEQUATE SUPPORT.
- 12 INDICATED MECHANICAL ITEM TO BE FED THROUGH CONDENSING UNIT. REFER TO EQUIPMENT WIRING SCHEDULE FOR ADDITIONAL INFORMATION. FEED WITH 3#12 T90 CU IN
- 13 INDICATED LIGHTING WITHIN AREA TO BE CONNECTED TO EXISTING CORRIDOR LIGHTING. REWORK CONTROLS TO SUIT NEW LAYOUT.
- 14 INDICATES DIGITAL ROOM CONTROLLER(S) INSTALLED WITHIN ACCESSIBLE CEILING SPACE FOR CONTROL OF NOTED OCCUPANCY SENSOR(S). REFER TO LIGHTING CONTROL DETAILS.
- 15 INDICATES FUSED DISCONNECT (C/W TWO SETS OF AUXILIARY CONTACTS) FOR ELEVATOR CONTROLLER. REFER TO DISTRIBUTION RISER DIAGRAM FOR ADDITIONAL INFORMATION COORDINATE WITH ELEVATOR SHOP DRAWINGS PRIOR TO ROUGH-IN.
- 16 INDICATES 30A SINGLE POLE FUSIBLE DISCONNECT C/W 15A CLASS J FUSE FOR ELEVATOR CAB LIGHTING. COORDINATE WITH ELEVATOR SHOP DRAWINGS PRIOR TO ROUGH-IN.
- 17 INDICATES TEMPORARY LOCATION FIRE ALARM CONTROL PANEL TO BE RELOCATED FROM DEMO AREA. WIRE NEW FIRE ALARM ZONES THROUGH PATHWAY OF RE-ROUTED EXISTING





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CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD, 51 ARDELT AVENUE, KITCHENER, ONTARIO, N2C 2R5

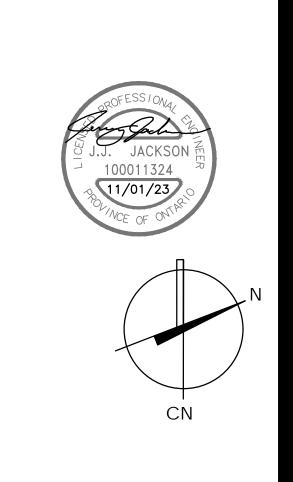
PROJECT:

22059

KING EDWARD PS ELEVATOR ADDITION

709 KING STREET WEST, KITCHENER, ON N2G 1E3

ORIGINAL PAGE SIZE ARCH D - 24" X 36"



E3.1

CHECKED BY: RL

PERMIT # 23 10761

GENERAL RENOVATION NOTES

- 'ER' INDICATES EXISTING ITEM TO REMAIN.
- 'R' INDICATES EXISTING ITEM IN RELOCATED POSITION.
- 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).

ALL RECEPTACLES ARE TO BE TAMPERPROOF RESISTANT TYPE

INDICATES EXISTING WALL TO BE FISHED TO FEED INDICATED DEVICE. IF WALL CANNOT BE FISHED PROVIDE SURFACE

SPECIFIC RENOVATION NOTES

- 2 NOTE NOT USED.
- INDICATES NEW FIRE ALARM INITIATING DEVICE IN ELEVATOR LOBBY CONNECTED TO NEW ADDRESSABLE LOOP AND CROSS—ZONED TO EXISTING FLOOR INITIATING ALARM ZONE. REFER TO FIRE ALARM RISER.
- INDICATES 10"x10" JUNCTION BOX WITHIN ACCESSIBLE CEILING SPACE COMPLETE WITH WIRE TERMINAL BLOCKS FOR RECONNECTING FIRE ALARM ZONES TO NEW FIRE ALARM CONTROL
- ARCHITECTURAL PACKAGE FOR CASH ALLOWANCE INFORMATION.
- CONNECT INDICATED DEVICE TO LOCAL INITIATING CIRCUIT. ALL WIRING MUST BE SUPERVISED.
- INDICATES FINAL LOCATION OF FIRE ALARM CONTROL PANEL TO BE RELOCATED FROM TEMPORARY DEMO AREA. COORDINATE INSTALLATION OF OLD/NEW PANEL WITH CONNECTION OF NEW ZONES.
- INDICATES DIGITAL ROOM CONTROLLER(S) INSTALLED WITHIN ACCESSIBLE CEILING SPACE FOR CONTROL OF NOTED OCCUPANCY SENSOR(S). REFER TO LIGHTING CONTROL DETAILS.
- 10 INDICATED LIGHTING WITHIN AREA TO BE CONNECTED TO EXISTING CORRIDOR LIGHTING.
- 11 INDICATED DEVICE IS TO BE CEILING MOUNTED. PROVIDE ADEQUATE SUPPORT.
- 12 INDICATED LIGHTING WITHIN AREA TO BE CONNECTED TO EXISTING LIGHTING CIRCUIT MADE AVAILABLE DURING DEMOLITION. REWORK CONTROLS TO SUIT NEW LAYOUT.
- 13 RECONNECT DOOR OPERATOR AND ANY ASSOCIATED AUXILIARY DEVICES MADE AVAILABLE DURING DEMOLITION.
- 14 INDICATES NEW EMERGENCY BATTERY UNIT TO BE CONNECTED TO UNSWITCHED SIDE OF LOCAL LIGHTING CIRCUIT.
- 15 INDICATED MECHANICAL ITEM TO BE FED THROUGH CONDENSING UNIT. REFER TO EQUIPMENT WIRING SCHEDULE FOR ADDITIONAL INFORMATION. FEED WITH 3#12 T90 CU IN
- 16 CONNECT INDICATED DEVICE TO THE LOCAL SIGNAL CIRCUIT. ALL WIRING MUST BE SUPERVISED.

- THROUGH PROGRAMMING WHEN INDICATED DETECTOR IS IN ALARM. ASSOCIATED RELAY IN CONTROL PANEL IS TO CLOSE AND SEND SIGNAL TO ELEVATOR CONTROLLER.
- INDICATED LIGHTING WITHIN AREA TO BE CONNECTED TO EXISTING CORRIDOR LIGHTING AND LIGHTING CONTROLS.
- WORK WITHIN INDICATED AREA IS TO BE CARRIED AS A CASH ALLOWANCE. REFER TO
- REWORK CONTROLS TO SUIT NEW LAYOUT.

- 17 INDICATES 120V FEED TO STEP DOWN TRANSFORMER FOR AUTOMATIC PLUMBING FIXTURES. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH IN.

REVISIONS

no. Date

1 04/14/2022 COORDINATION SET

2 09/08/2022 COORDINATION SET

3 11/24/2022 COORDINATION SET 01/13/2023 COORDINATION SET

5 02/02/2023 ISSUED FOR PERMIT 6 04/04/2023 ISSUED FOR TENDER

7 | 06/23/2023 | ISSUED FOR DEMO PERMIT

8 10/11/2023 ISSUED FOR BUILDING PERMIT 9 11/01/2023 RE-ISSUED FOR BUILDING PERMIT

B 08/29/2023 ISSUED FOR CHANGE NOTICE

B 09/11/2023 ISSUED FOR CHANGE NOTICE R1

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.

The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions.

Drawings and specifications, etc., prepared and issued by the consultant are the property of the consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant.

Do not scale this drawing.

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MECHANICAL | ELECTRICAL | AQUATIC

CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD, 51 ARDELT AVENUE, KITCHENER, ONTARIO, N2C 2R5

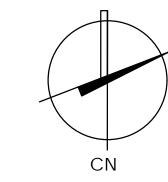
PROJECT:

KING EDWARD PS ELEVATOR ADDITION

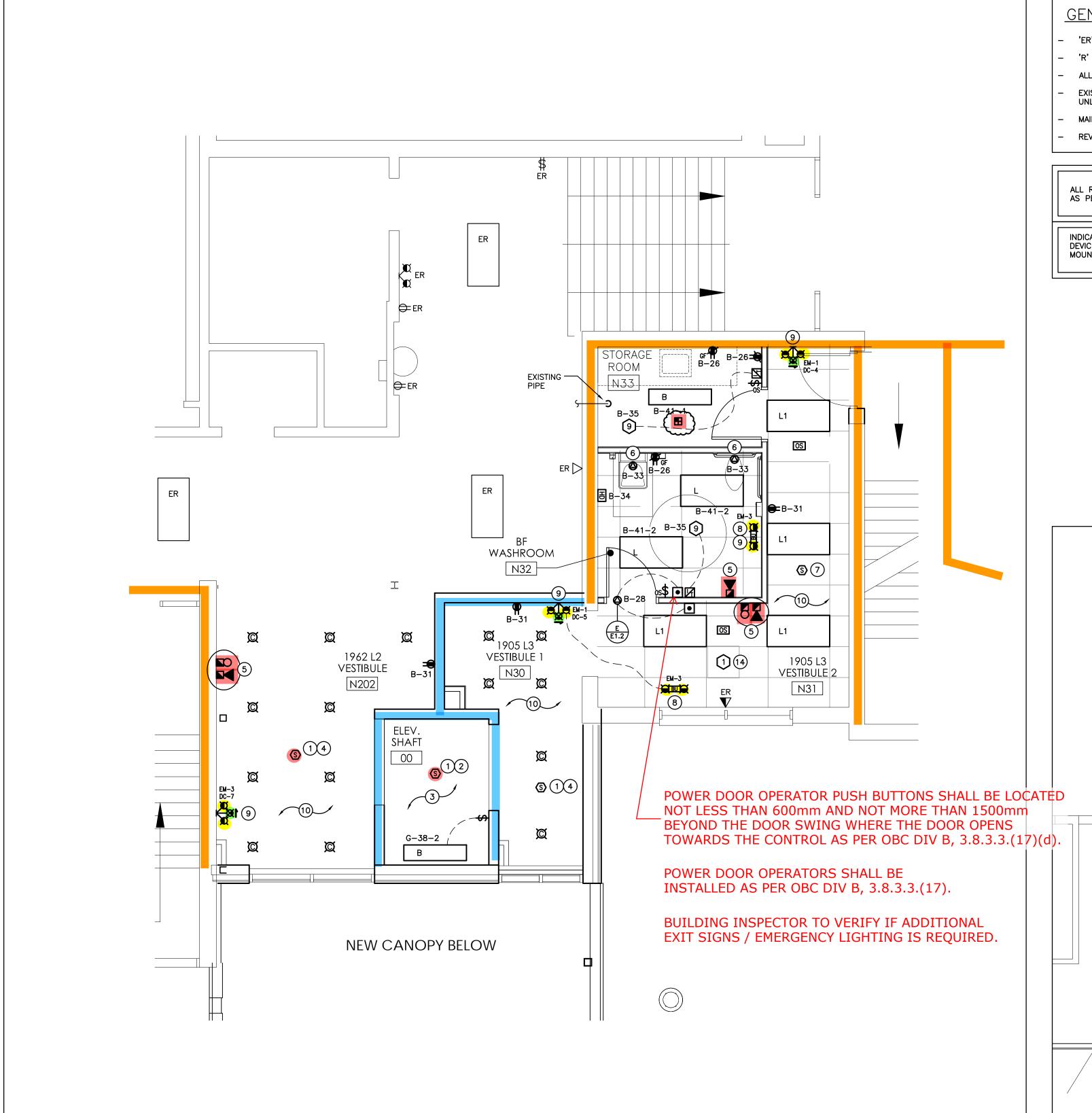
709 KING STREET WEST, KITCHENER, ON N2G 1E3

ORIGINAL PAGE SIZE ARCH D - 24" X 36"





E3.2



A-PARTIAL LEVEL 2 - RENOVATION PLAN SCALE: 1:50

GENERAL RENOVATION NOTES

- 'ER' INDICATES EXISTING ITEM TO REMAIN.
- 'R' INDICATES EXISTING ITEM IN RELOCATED POSITION.
- ALL DEVICES SHOWN ARE NEW UNLESS OTHERWISE NOTED.

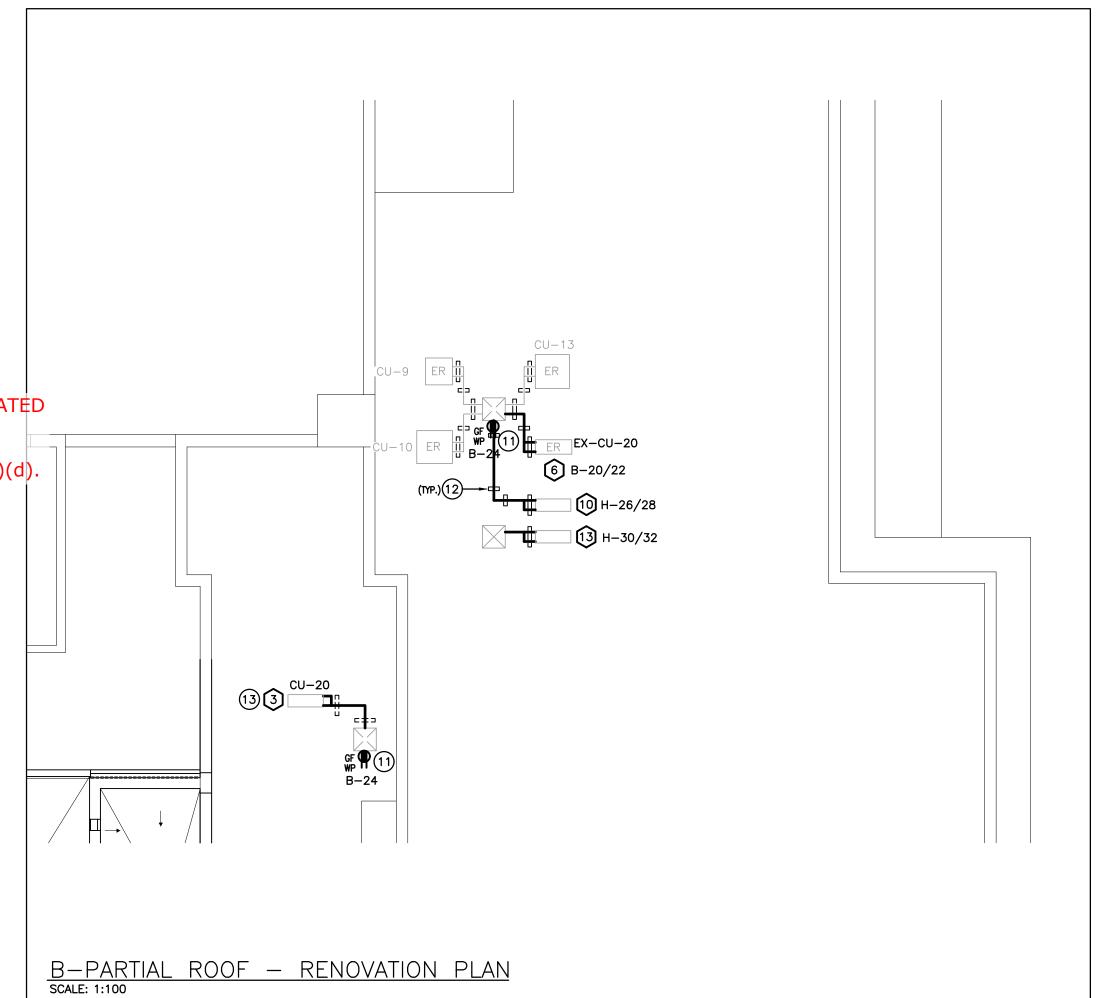
 EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN
- EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS OTHERWISE NOTED.
- MAINTAIN SERVICE TO ALL EXISTING DEVICES TO REMAIN.
 REVISE PANEL DIRECTORIES TO SUIT CHANGES (TYPED).

ALL RECEPTACLES ARE TO BE TAMPERPROOF RESISTANT TYPE AS PER LATEST OESC 26-706.

INDICATES EXISTING WALL TO BE FISHED TO FEED INDICATED DEVICE. IF WALL CANNOT BE FISHED PROVIDE SURFACE MOUNT WIREMOLD 700 SERIES.

SPECIFIC RENOVATION NOTES

- 1 THROUGH PROGRAMMING WHEN INDICATED DETECTOR IS IN ALARM. ASSOCIATED RELAY IN CONTROL PANEL IS TO CLOSE AND SEND SIGNAL TO ELEVATOR CONTROLLER.
- INDICATED SMOKE DETECTOR TO BE INSTALLED AT TOP OF SHAFT.
- 3 INDICATED DEVICES TO BE INSTALLED IN ELEVATOR/LIFT SHAFT. COORDINATE WITH ELEVATOR SHOP DRAWINGS.
- 4 INDICATES NEW FIRE ALARM INITIATING DEVICE IN ELEVATOR LOBBY CONNECTED TO NEW ADDRESSABLE LOOP AND CROSS—ZONED TO EXISTING FLOOR INITIATING ALARM ZONE. REFER TO FIRE ALARM RISER.
- CONNECT INDICATED DEVICE TO THE LOCAL SIGNAL CIRCUIT. ALL WIRING MUST BE SUPERVISED.
- INDICATES 120V FEED TO STEP DOWN TRANSFORMER FOR AUTOMATIC PLUMBING FIXTURES. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH IN.
- CONNECT INDICATED DEVICE TO LOCAL INITIATING CIRCUIT. ALL WIRING MUST BE
- 8 INDICATED DEVICE IS TO BE CEILING MOUNTED. PROVIDE ADEQUATE SUPPORT.
- 9 INDICATES NEW EMERGENCY BATTERY UNIT TO BE CONNECTED TO UNSWITCHED SIDE OF LOCAL LIGHTING CIRCUIT.
- 10 INDICATED LIGHTING WITHIN AREA TO BE CONNECTED TO EXISTING CORRIDOR LIGHTING. REWORK CONTROLS TO SUIT NEW LAYOUT.
- PROVIDE T-SLOT GROUND FAULT RECEPTACLE COMPLETE WITH "HEAVY DUTY IN-USE" WEATHER-PROOF COVER. COORDINATE PLACEMENT WITH MECHANICAL TRADE. INDICATED DEVICE IS TO BE MOUNTED ±36" (900mm) ABOVE FINISHED ROOF LEVEL. REFER TO DETAIL C/E1.2.
- 12 INDICATES MECHANICAL ELECTRICAL FEEDERS TO CONDENSING UNIT. PROVIDE CONDUIT SUPPORT AS PER DETAIL D/E1.2.
- 13 INDICATES REPLACEMENT HVAC EQUIPMENT WITH MATCHING ELECTRICAL REQUIREMENTS TO BE CONNECTED TO EXISTING FEEDER MADE AVAILABLE DURING DEMOLITION. EXTEND EXISTING FEEDER AS REQUIRED TO SUIT REPLACEMENT CONNECTION POINT. FOR THE PURPOSE OF BIDDING INCLUDE AN ADDITIONAL 2.0m OF 3#10 IN 21mmC AS WELL AS DISCONNECTING MEANS PER EQUIPMENT WIRING SCHEDULE.
- 14 INDICATED MECHANICAL ITEM TO BE FED THROUGH CONDENSING UNIT. REFER TO EQUIPMENT WIRING SCHEDULE. FEED WITH 3#12 T90 CU IN 21mmC.



NOTES:

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.

The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions.

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Do not scale this drawing.

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A 08/29/2023 ISSUED FOR CHANGE NOTICE

A 09/11/2023 ISSUED FOR CHANGE NOTICE R1

55 Northland Road, Waterloo, ON, N2V 1Y8 Phone: 519-725-3555 Website: deiassociates.ca Project Number: 22084

Consulting Engineers of the Mechanical | Electrical | AQUATIC

CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD, 51 ARDELT AVENUE, KITCHENER, ONTARIO, N2C 2R5

PROJECT:

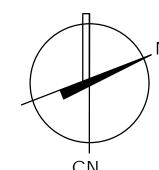
22059

KING EDWARD PS ELEVATOR ADDITION

709 KING STREET WEST, KITCHENER, ON N2G 1E3

ORIGINAL PAGE SIZE ARCH D - 24" X 36"

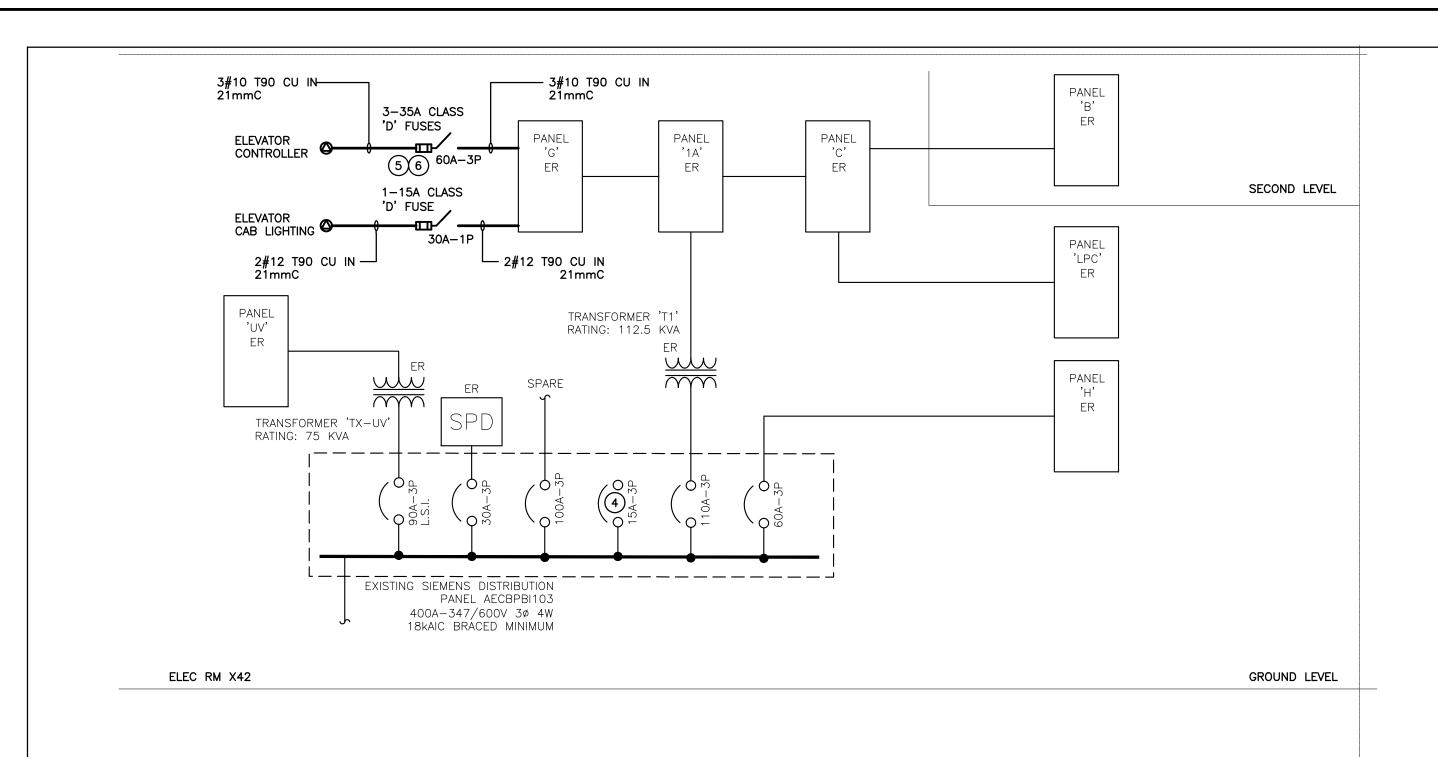




NER

E3.3

IRV · CP



DISTRIBUTION RISER NOTES

- ALL DISTRIBUTION EQUIPMENT ARE TO BE PROVIDED WITH WARNING LABELS CONFORMING TO THE ONTARIO ELECTRICAL SAFETY CODE RULE #2-306(1),(2)
- 2 INSTALL GROUND WIRE TO SUIT THE ELECTRICAL SAFETY CODE IN ALL CONDUIT.
- ALL NOTED FEEDERS ARE FOR OVERHEAD RUNS OF CONDUIT. IF THE CONTRACTOR WISHES TO FEED UNDERGROUND, THE FEEDER MUST BE REVISED. THE CONTRACTOR IS TO PROPOSE REVISIONS TO THE CONSULTANT FOR PRE-APPROVAL.
- INDICATES EXISTING SPARE BREAKER TO FEED NEW SIMPLEX PUMP WITHIN ELEVATOR LOBBY ON BASEMENT LEVEL. REFER TO RENOVATION PLANS FOR ADDITIONAL INFORMATION.
- INDICATES ELEVATOR CONTROLLER DISCONNECT C/W TWO SETS OF AUXILIARY CONTACTS TO SUIT ELEVATOR SUPPLIER.
- 6 CONFIRM EXACT REQUIREMENTS WITH ELEVATOR SHOP DRAWINGS PRIOR TO INSTALLATION.

PARTIAL DISTRIBUTION RISER DIAGRAM

EXISTING PANEL 'H' SCHEDULE VOLTAGE: 120/208 VOLTS PHASE: 3P, 4W MAINS: 225A NEUTRAL BUS: MOUNTING: RECESSED NOTES: EXISTING SQUARE D TYPE NQ442L2 LIBRARY LIGHTS 3 W 15A 1 2 20A 3RD FLOOR STAFF HOT WATER ER LIBRARY LIGHTS 3 E 15A 3 4 2P EXISTING LOAD 15A 5 6 15A CUSTODIAL ROOM LIGHTS LIBRARY REC. 3 W 15A 7 8 15A ROOM 2 REC EXISTING LOAD 15A 9 10 15A EXISTING LOAD LIBRARY REC 3 IT 15A 11 12 15A ROOM 1 REC EXISTING LOAD 15A 13 14 LIBRARY REC 3 CHARGING 15 16 16 ER EMERGENCY LIGHTS FLOOR 3 15A 17 18 15A EXISTING LOAD EXISTING LOAD 15A 9 20 15A EXISTING LOAD ROOM 1 REC 15A 21 22 40A EXISTING LOAD EMER. LTG/MAG LOCK 15A 23 24 2P LIBRARY REC 3 CIRC. DESK 15A 25 26 SPACE LIBRARY FIREPLACE 15A 27 28 SPACE SPACE ______ 29 | 30 _____ SPACE SPACE 33 34 SPACE LIBRARY 3 W VENT UV-7 15A 35 36 20A EXISTING LOAD <u>2P</u> <u>37</u> <u>38</u> <u>20A</u> CORRIDOR 81 – REC LIBRARY 3 E VENT UV-8 15A 39 40 15A LIBRARY 3 E REC & PDO 2P 41 42 15A SEMINAR 3 A REC AT THE COMPLETION OF THE PROJECT, PROPOSED PANEL 'H' SCHEDULE PROVIDE A NEW TYPE WRITTEN PANEL DIRECTORY AND INCLUDE A COPY IN THE MAINTENANCE MANUALS LIBRARY LIGHTS 3 W 15A 1 2 20A 3RD FLOOR STAFF HOT WATER ER LIBRARY LIGHTS 3 E 15A 3 4 2P

ER	EXISTING LOAD 15A 5	5	6 15A CUSTODIAL ROOM LIGHTS E	ΞF
ER	LIBRARY REC. 3 W 15A	7	8 15A ROOM 2 REC	ΞF
ER	EXISTING LOAD 15A S)	10 15A EXISTING LOAD	ΞF
ER	LIBRARY REC 3 IT 15A 1	1	12 15A ROOM 1 REC	ΞF
ER	EXISTING LOAD 15A 1		14 SPACE	ΞF
ER	LIBRARY REC 3 CHARGING 15A 1	5	16 SPACE	ΞF
ER	EMERGENCY LIGHTS FLOOR 3 15A 1	7	18 15A EXISTING LOAD	ΞF
ER	EXISTING LOAD 15A 1	9	20 15A EXISTING LOAD	ΞF
ER	ROOM 1 REC 15A 2	1	22 40A EXISTING LOAD	ΞF
ER	EMER. LTG/MAG LOCK 15A 2		24 2P	ΞF
ER	LIBRARY REC 3 CIRC. DESK 15A 2	5	26 30A ROOFTOP CU-22 10	NE
ER	LIBRARY FIREPLACE 15A 2	7	28 2P	
ER	SPACE2	9	30 30A ROOFTOP CU-23 (13)	NE
ER	SPACE3	1	32 2P	
ER	SPACE3	3	34 SPACE	ΞF
ER	LIBRARY 3 W VENT UV-7 15A 3	5	36 20A EXISTING LOAD	ΞF
ER	<u>2P</u> 3		38 20A CORRIDOR 81- REC	ΞF
ER	LIBRARY 3 E VENT UV-8 15A 3	9	40 15A LIBRARY 3 E REC & PDO	ΞF
ER	<u>2P</u> 4	1	42 15A SEMINAR 3 A REC	ΞF
				_
ו הבכ	CICNIATIONI			

<u>DESIGNATION</u>

'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 '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. BREAKERS TO MATCH EXISTING KAIC, ASSUME 22KAIC FOR BIDDING.

<u>E</u>	XISTING PANEL '	G'SCH	EDU	JLE			
PH MA NE MO	LTAGE: 208/120 VOLTS ASE: 3P, 4W INS: 100A UTRAL BUS: UNTING: SURFACE KE/MODEL: SIEMENS/P1 NEXT (GEN					
ER	EXISTING	15A 1		2	15A	PHONES	ER
ER	30 A UPS REC.	30A 3		4	15A	CHUBB SECURITY	ER
ER	KITCHEN REC.	15A5		6	20A	EXISTING	ER
ER	STOVE	40A 7		8	15A	RM 19 FRIDGE	ER
ER		2P 9		10	15A	RM 19 MICROWAVE	ER
ER	HUR REC.	15A 11		12	15A	RM 19 MICROWAVE	ER
ER	MAIN OFFICE COMP.	15A 13		14	15A	RM 19 DISHWSHR/BAR FRIDGE	ER
ER	STAIR LIGHTS	15A 15		16	15A	RM 19 REC. N+W	ER
ER	MAIN OFFICE FL. REC.	15A 17		18	15A	RM 19 REC.	ER
ER	WATER FOUNTAIN	15A 19		20	15A	SECURITY	ER
ER	EXHAUST FAN ELEC. ROOM	15A <u>21</u>		22 00	15A	RM 19 LIGHTING	ER
ER	RM 19 PHOTOCOPIER	20A <u>23</u>		24	15A	RM 19 BATHROOM GFCI	ER
ER	RM 19 COUNTER	20A 25		26	20A	RM 19 COUNTER REC.	ER
ER	RM 19 UV-4 VENTILATOR			28	20A	RM 27 SPECIAL ED. REC.	ER
ER				30 00	15A	BASEMENT WASHROOM SINKS	ER
NB	SPACE	31		32 00	15A	BOILER ROOM WTR SOFTENER	ER
NB	SPACE	33		34		SPACE	NE
NB	SPACE	35		36		SPACE	NE
NB	SPACE	37		38		SPACE	NE
NB	SPACE			40		SPACE	NB
NB	SPACE	41		42		SPACE	NB

PF	ROPOSED PANEL	. 'G'	SC	<u>H</u>	EC	ULE	_ - =	AT THE COMPLETION OF THE PROJ PROVIDE A NEW TYPE WRITTEN PAN DIRECTORY AND INCLUDE A COPY I	NEL
					1			THE MAINTENANCE MANUALS	Т
ER	EXISTING _	15A	<u>1</u>			2 6	<u> </u>	15A PHONES	E
ER	30 A UPS REC.	30A	> 3			4	<u> </u>	15A CHUBB SECURITY	E
ER	KITCHEN REC.	15A	5			6	`	20A_ EXISTING	Ε
ER	STOVE	40A	7			8	`	15A RM 19 FRIDGE	E
ER		2P	<u>9</u>			10	`	15A RM 19 MICROWAVE	E
ER	HUR REC.	15A	<u>11</u>			12	<u>`</u>	15A RM 19 MICROWAVE	E
ER	MAIN OFFICE COMP.	15A	<u>13</u>			14	<u>`</u>	15A RM 19 DISHWSHR/BAR FRIDGE	Εl
ER	STAIR LIGHTS	15A	<u></u>			16	<u>`</u>	<u>15A</u> RM 19 REC. N+W	E
ER	MAIN OFFICE FL. REC.	15A	<u></u>			18	<u>`</u>	<u>15A</u> RM 19 REC.	E
ER	WATER FOUNTAIN	15A	<u></u>			20	<u>`</u>	15A SECURITY	E
ER	EXHAUST FAN ELEC. ROOM	15A	21			22	<u>`</u>	15A RM 19 LIGHTING	E
ER	RM 19 PHOTOCOPIER	20A	23			24	<u>`</u>	15A RM 19 BATHROOM GFCI	E
ER	RM 19 COUNTER	20A	<u>25</u>			26	<u>`</u>	20A RM 19 COUNTER REC.	E
ER	RM 19 UV-4 VENTILATOR	15A	27			28	<u>`</u>	20A RM 27 SPECIAL ED. REC.	E
ER		2P	29			30	<u>`</u> _	15A BASEMENT WASHROOM SINKS	E
NB	OFFICE N40/N41 REC		31			32	<u>`</u> _	15A BOILER ROOM WTR SOFTENER	Ef
NB	ELEVATOR PIT REC	20A	33			34	<u>`</u>	15A ELEV. MACH. RM REC & F/S DAMPER	N S
NB	ELEVATOR CAB LIGHTING		35			36	`	15A ELEVATOR CAB LIGHTING	N
NB	ELEVATOR CONTROLLER	35A_	37			38	`	15A ELEV. PIT/EMR LTG/EF-7 (7)	N
NB			39			40	`	15A OFFICE N13/N14 REC	N
NB			41			42	`	15A OFFICE N13/N14 LTG	N

REQUIRED.

'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

'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. BREAKERS TO MATCH EXISTING KAIC, ASSUME 22KAIC FOR BIDDING.

EXISTING PANEL 'LPC' SCHEDULE VOLTAGE: 120/208 VOLTS PHASE: 3P, 4W MAINS: 225A NEUTRAL BUS: MOUNTING: RECESSED NOTES: EXISTING CUTLER HAMMER TYPE PL-1

NO	TES: EXISTING COTLER HAMMER	TIPE PL-I					
ER	CORRIDOR 811 LIGHTS	15A 1		2	15A	ROOM 10 REC	ER
ER	RM 12 REC/HEATER STAIR 2ND FLR	15A 3		4	20A	ROOM 57,58 REC	ER
ER	ROOM 11 REC	15A 5		6	15A	UNIR. WR/EMER. LTG PACK	ER
ER	ROOM 11 REC	15A 7		8	15A	OUTSIDE REC	ER
ER	ROOM 11 UNIT VENT UV-1	15A 9		10	15A	EXISTING LOAD	ER
ER	ROOM 12 UNIT VENT UV-3	15A 11		12	20A	EXISTING LOAD	ER
ER	OUTSIDE LIGHTS	15A13		14	20A	ROOM 10,11 LIGHTING	ER
ER	CORRIDOR 811 LIGHTS	15A 15		16	20A	ROOM 12,57,58 LIGHTING	ER
ER	PHOTOCOPY MACHINE	15A 17		18	15A	ROOM 10 FRIDGE REC	ER
ER	RM 10 REC/HEATER STAIR 2ND FLR	15A 19		20	15A	ROOM 10 UNIT VENT UV-2	ER
ER	ROOM 12 REC	15A 21		22	15A	ROOM 12 REC	ER
ER	EXISTING LOAD	40A 23		24	15A	EXISTING LOAD	ER
ER	_	2P 25		26	15A	OLD STAIRS MAGNETIC LOCK	ER
ER	ROOM 11 CONDENSING UNIT C-1	30A 27		28	15A	HAND DRYER & BRADLEY 57	ER
ER	_	2P 29		30	15A	EXISTING LOAD	ER
ER	HAND DRYER & BRADLEY 58	15A 31		32 0	70A	DISTRIBUTION PANEL 'B'	ER
ER	DISTRIBUTION PANEL 'LPF'	60A 33		34			ER
ER	_	35		36	3P		ER
ER	_	3P 37		38	20A	ROOF REC	ER
NB	SPACE _	39		40		SPACE	NB
NB	SPACE .	6_41		42 00		SPACE	NB
			1				

<u>Pf</u>	ROPOSED PANEL 'L	PC'	SC	HE	DI	<u>JLE</u>		PRO DIRE	THE COMPLETION OF THE PROJI VIDE A NEW TYPE WRITTEN PAN CTORY AND INCLUDE A COPY I MAINTENANCE MANUALS	IEL
ER	CORRIDOR 811 LIGHTS 1	5A 🔿	1		1	2 (15A	ROOM 10 REC	ER
ER	RM 12 REC/HEATER STAIR 2ND FLR 1		3			4	\	20A	ROOM 57,58 REC	ER
ER	ROOM 11 REC 1	5A	5			6	_ 	15A	UNIR. WR/EMER. LTG PACK	ER
ER	ROOM 11 REC <u>1</u>	0 0	7			8	` 	15A	OUTSIDE REC	ER
ER	ROOM 11 UNIT VENT UV-1 1	5A	9			10	` 	15A	EXISTING LOAD	ER
ER	ROOM 12 UNIT VENT UV-3 1	<u>5A</u>	11			12	` 	20A	EXISTING LOAD	ER
ER	OUTSIDE LIGHTS <u>1</u>	<u>5A</u>	13			14	` 	20A	ROOM 10,11 LIGHTING	ER
ER	CORRIDOR 811 LIGHTS 1	5A 0	15			16	` _	20A	ROOM 12,57,58 LIGHTING	ER
ER	PHOTOCOPY MACHINE 1	5A	17			18	`	15A	ROOM 10 FRIDGE REC	ER
ER	RM 10 REC/HEATER STAIR 2ND FLR <u>1</u>	5A 0	19			20 6	` _	15A	ROOM 10 UNIT VENT UV-2	ER
ER	ROOM 12 REC <u>1</u>	5A	21			22	<u> </u>	15A	ROOM 12 REC	ER
ER	EXISTING LOAD <u>4</u>	-0A	23			24	` _	15A	EXISTING LOAD	ER
ER		2P (25			26	<u> </u>	15A	OLD STAIRS MAGNETIC LOCK	ER
ER	ROOM 11 CONDENSING UNIT C-1 3	0A (T)	27			28	` _	15A	HAND DRYER & BRADLEY 57	ER
ER		2P (29			30	<u> </u>	15A	EXISTING LOAD	ER
ER	HAND DRYER & BRADLEY 58 1	5A	31			32	Š.	70A	DISTRIBUTION PANEL 'B'	ER
ER	DISTRIBUTION PANEL 'LPF' 6	0A 0	33			34	<u> </u>			ER
ER			35			36		3P_		ER
ER		3P	37			38	` 	20A	ROOF REC	ER
NB	8 Level 1B elev. Lobby Heater 1	<u>5A</u>	39			40 6	` <u> </u>	15A	FIRE ALARM CONTROL PANEL	NB
NB	LEVEL 1B/2A LOBBY/CORR. REC 2	0A 0	41			42	`_ 	20A	WASHROOM N22 HAND DRYER	NB

<u>DESIGNATION</u>

'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 '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. BREAKERS TO MATCH EXISTING KAIC, ASSUME 22KAIC FOR BIDDING.

XISTING	PANFI	'B'	SCHEDULE	
<u> </u>	<u> </u>		<u> </u>	

VOLTAGE: 120/208 VOLTS PHASE: 3P, 4W MAINS: 225A NEUTRAL BUS:

	JNTING: RECESSED 'ES: EXISTING SQUARE D TYPE	VQ442L2				
 R	ROOM 16 LIGHTS				2 \(\tau \) 20A ROOM 17 LIGHTS	
'` R	ROOM 18 LIGHTS				4 20A ROOM 17 LIGHTS	
'` R	ROOM 14 LIGHTS		$\overline{}$		6 20A ROOM 13 LIGHTS	
'` R	ROOMS 16,17 LIGHTS _				8 15A ROOM 17 REC	
'` R	ROOMS 14,15 LIGHTS	•	_		10 15A ROOM 17 REC	
			0 +		· · · · · · · · · · · · · · · · · · ·	
R	EXISTING LOAD	-	-		12 15A CORRIDOR LIGHTS	
R	CORRIDOR LIGHTS	$-\!\!-\!\!\!-\!\!\!\circ$	\circ		14 15A EXISTING LOAD	
R	EXISTING LOAD				16 15A EXISTING LOAD	
R	ROOMS 16,17 REC	0	9		18 15A ROOM 17 REC	
R	CORRIDOR MAGNETIC LOCKS/REC _		<u>)</u> 19		20 SPACE	
R	ROOM 12 CONDENSING UNIT C -3	30A 6	21		22 SPACE	
R	-	_2P	23		24 SPACE	
R	ROOM 12 CONDENSING UNIT C-2	30A	25		26 SPACE	
R	_	2P	27		28 SPACE	
R	DRINKING FOUNTAIN _	15A	29		30 SPACE	
в	SPACE _		31		32 SPACE	
в	SPACE _		33		34 SPACE	
в	SPACE _		35		36 20A EXISTING LOAD	
в	SPACE _		37		38 20A EXISTING LOAD	
в	SPACE _		39		40 15A EXISTING LOAD	
в	SPACE _		41		42 15A EXISTING LOAD	
		O	·			

<u>P</u>	ROPOSED PANEL	. 'B' SC	<u>H</u>	EC	ULE	AT THE COMPLETION OF THE PROJE PROVIDE A NEW TYPE WRITTEN PAN DIRECTORY AND INCLUDE A COPY II THE MAINTENANCE MANUALS	IEL
ER	ROOM 16 LIGHTS	20A1			2	20A ROOM 17 LIGHTS	EF
ER	ROOM 18 LIGHTS	20A 3			4	20A ROOM 15 LIGHTS	EF
ER	ROOM 14 LIGHTS	20A 5			6	20A ROOM 13 LIGHTS	EF
ER	ROOMS 16,17 LIGHTS	15A 7			8	15A ROOM 17 REC	EF
ER	ROOMS 14,15 LIGHTS	15A 9			10	15A ROOMS 13,14 REC	ER
ER	EXISTING LOAD	15A11			12	15A CORRIDOR LIGHTS	ER
ER	CORRIDOR LIGHTS	15A13			14	15A EXISTING LOAD	EF
ER	EXISTING LOAD	15A15			16	15A EXISTING LOAD	EF
ER	ROOMS 16,17 REC	15A17			18	15A ROOM 17 REC	EF
ER	CORRIDOR MAGNETIC LOCKS/REC	15A19			20 ~~~	30A ROOFTOP CU-21 6	NE
ER	ROOM 12 CONDENSING UNIT C-3	30A 21			22	2P	NE
ER		2P 23			24	20A ROOF MAINTENANCE REC	NE
ER	ROOM 12 CONDENSING UNIT C-2	30A 25			26	20A WASHROOM N32/STOR N33 REC	NE
ER		2P 27			28	15A WASHROOM N32 DOOR OP.	NE
ER	DRINKING FOUNTAIN	15A 29			30	20A WASHROOM N22/STOR N23 REC	NE
NB	LEVEL 2/3 ELEV. LOBBY REC	20A 31			32	15A WASHROOM N22 DOOR OP.	NE
NB	WR N32 ELEC PLUMBING DEVICES	15A 33			34	20A WASHROOM N32 HAND DRYER	NE
NB	9 WR N32/STOR N33 EF-8	15A 35			36	20A EXISTING LOAD	EF
NB	WR N22 ELEC PLUMBING DEVICES	15A 37			38	20A EXISTING LOAD	EF
NB	9 WR N22/STOR N23 EF-8	15A 39			40	15A_ EXISTING LOAD	EF
		15A		I I		15A EXISTING LOAD	l ef

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PERMIT # 23 107615

1 04/14/2022 COORDINATION SET 2 09/08/2022 COORDINATION SET 11/24/2022 COORDINATION SET 01/13/2023 COORDINATION SET 5 | 02/02/2023 | ISSUED FOR PERMIT 6 04/04/2023 ISSUED FOR TENDER 7 06/23/2023 ISSUED FOR DEMO PERMIT 8 | 10/11/2023 | ISSUED FOR BUILDING PERMIT 9 | 11/01/2023 | RE-ISSUED FOR BUILDING PERMIT A 08/29/2023 ISSUED FOR CHANGE NOTICE A 09/11/2023 ISSUED FOR CHANGE NOTICE R1

REVISIONS no. Date

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.

The drawings do not indicate all offsets fitting and The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions.

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Waterloo, ON, N2V 1Y8 Website: deiassociates.ca Project Number: 22084 Consulting Engineers

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WATERLOO REGION DISTRICT SCHOOL BOARD, 51 ARDELT AVENUE, KITCHENER, ONTARIO, N2C 2R5

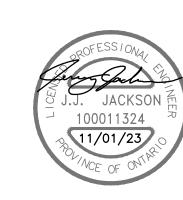
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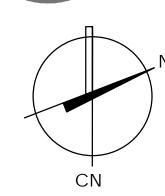
CLIENT

KING EDWARD PS ELEVATOR ADDITION

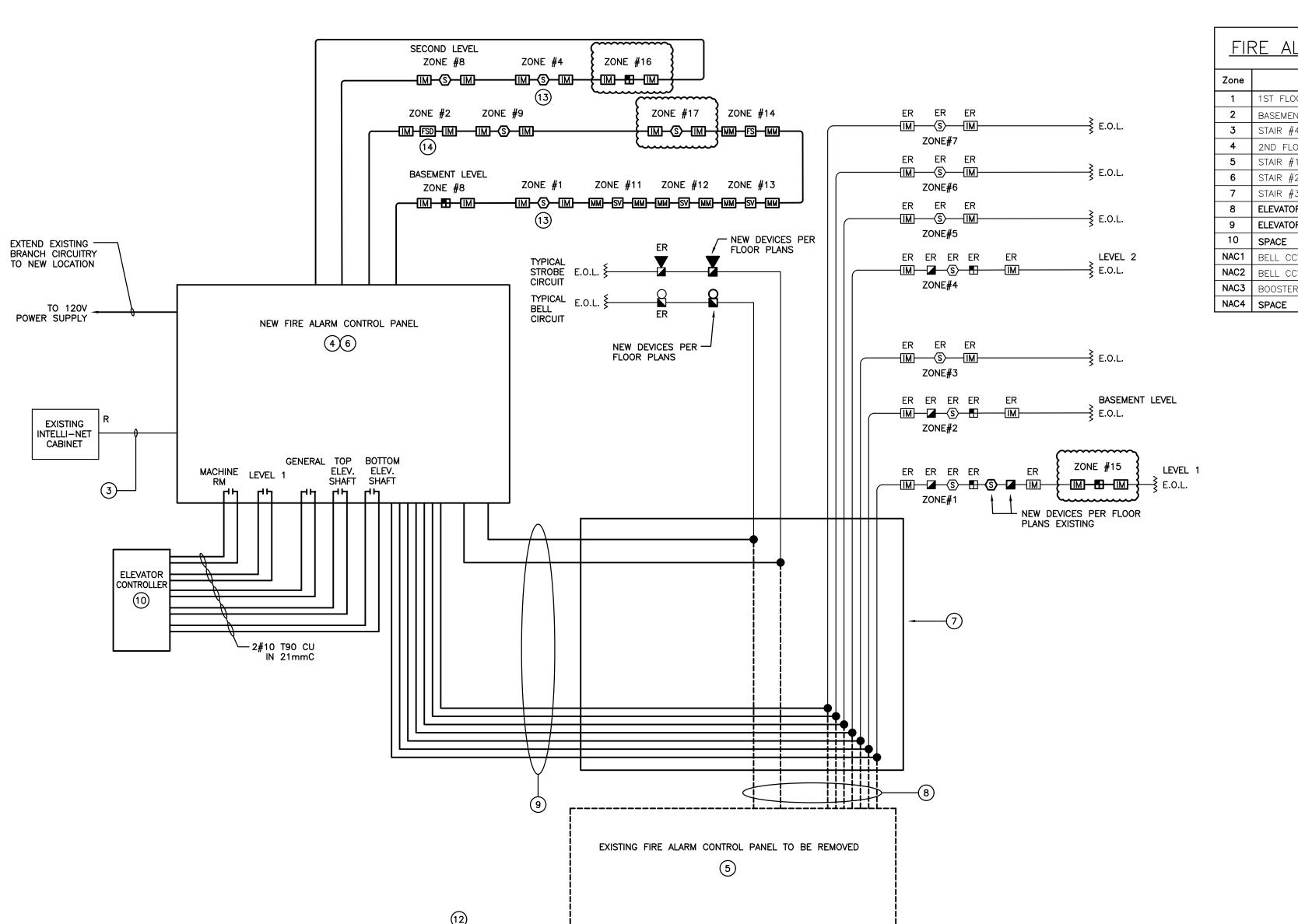
709 KING STREET WEST, KITCHENER, ON N2G 1E3

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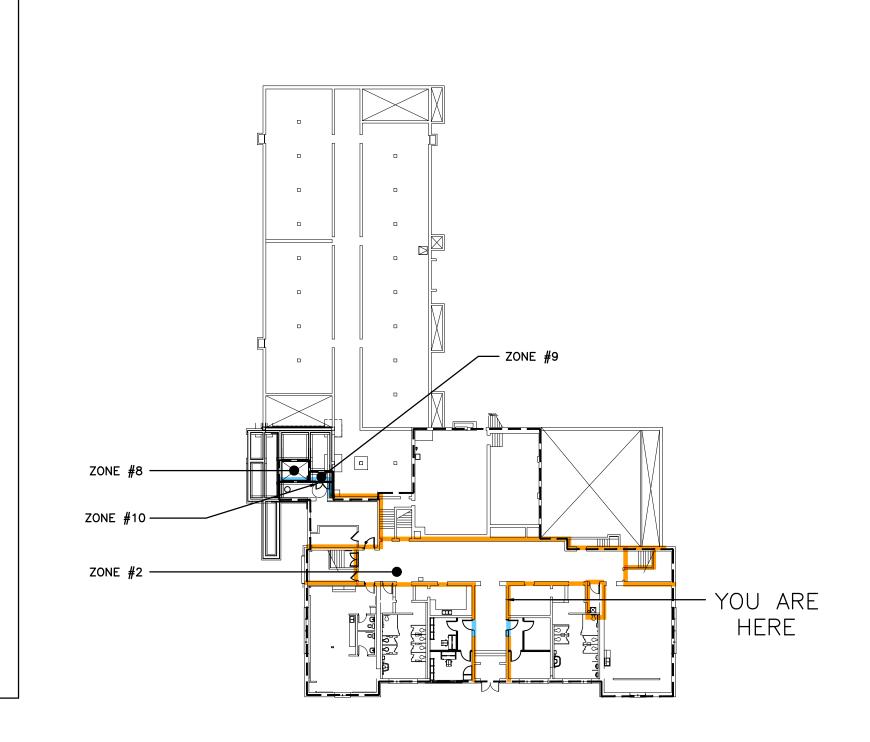


EXISTING

INTELLI-NET

CABINET

FIRE ALARM ANNUNCIATOR SCHEDULE Description Supervisory Existing Description Supervisory Existing New Alarm 1ST FLOOR LEVEL 1 SUPERVISED VALVE 2 BASEMENT 12 LEVEL 1B/2A SUPERVISED VALVE **3** | STAIR #4 LEVEL 2 SUPERVISED VALVE 4 2ND FLOOR AND UPPER FAN ROOM 5 | STAIR #1 15 STORAGE ROOM N22 16 STORAGE ROOM N33 **7** | STAIR #3 ELECTRICAL ROOM X42 8 | ELEVATOR SHAFT 9 | ELEVATOR MACHINE ROOM 19 SPACE 20 SPACE NAC1 | BELL CCT 1 NAC2 | BELL CCT 2 NAC3 | BOOSTER PANEL



REFER TO FLOOR PLANS FOR EXACT LOCATION AND QUANTITIES OF DEVICES.

PARTIAL FIRE ALARM RISER DIAGRAM

- CONTRACTOR IS TO CONFIRM WIRE SIZE (BASED UPON LENGTH OF CIRCUIT RUN AND QUANTITY OF SIGNALS) FOR SIGNAL CIRCUIT WITH MANUFACTURER.
- RECONNECT TO EXISTING INTELLI-NET CABINET (ULC MONITORING).
- PROVIDE WITHIN CONTROL PANEL ADDITIONAL CONTACTS FOR "FIRE ALARM SYSTEM TROUBLE" AND "FIRE ALARM SYSTEM ACTIVATED" CONDITION AND CO-ORDINATE WITH CONTROLS CONTRACTOR TO COMPLETE CONNECTION/INTERFACE OF THESE SYSTEMS.
- EXISTING CONVENTIONAL FIRE ALARM CONTROL PANEL SHALL BE DISCONNECTED AND REMOVED COMPLETE, ALL EXISTING INITIATING / SIGNAL WIRING IS TO REMAIN AND BE EXTENDED TO NEW LOCATION FOR RECONNECTION TO NEW HYBRID PANEL.
- CONTRACTOR IS RE-VERIFY ENTIRE ALARM SYSTEM. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- INDICATES NEW JUNCTION BOX C/W TERMINAL BLOCK FOR EXTENSION OF SIGNAL AND
- INITIATING CIRCUIT WIRING IN ACCESSIBLE LOCATION ABOVE DEMOLISHED CONTROL PANEL. EXISTING SIGNAL AND INITIATING DEVICE CIRCUITS TO BE DISCONNECTED AND TERMINATED
- INDICATES EXTENDED SIGNAL AND INITIATING CIRCUIT WIRING IN CONDUIT. CONFIRM WIRING
- REQUIREMENTS WITH MANUFACTURER. 10 CONTACTS WITHIN THE CONTROLLER WILL BE PROVIDED BY THE ELEVATOR SUPPLIER.

IN ACCESSIBLE LOCATION FOR EXTENSION TO REPLACEMENT PANEL AS NOTED.

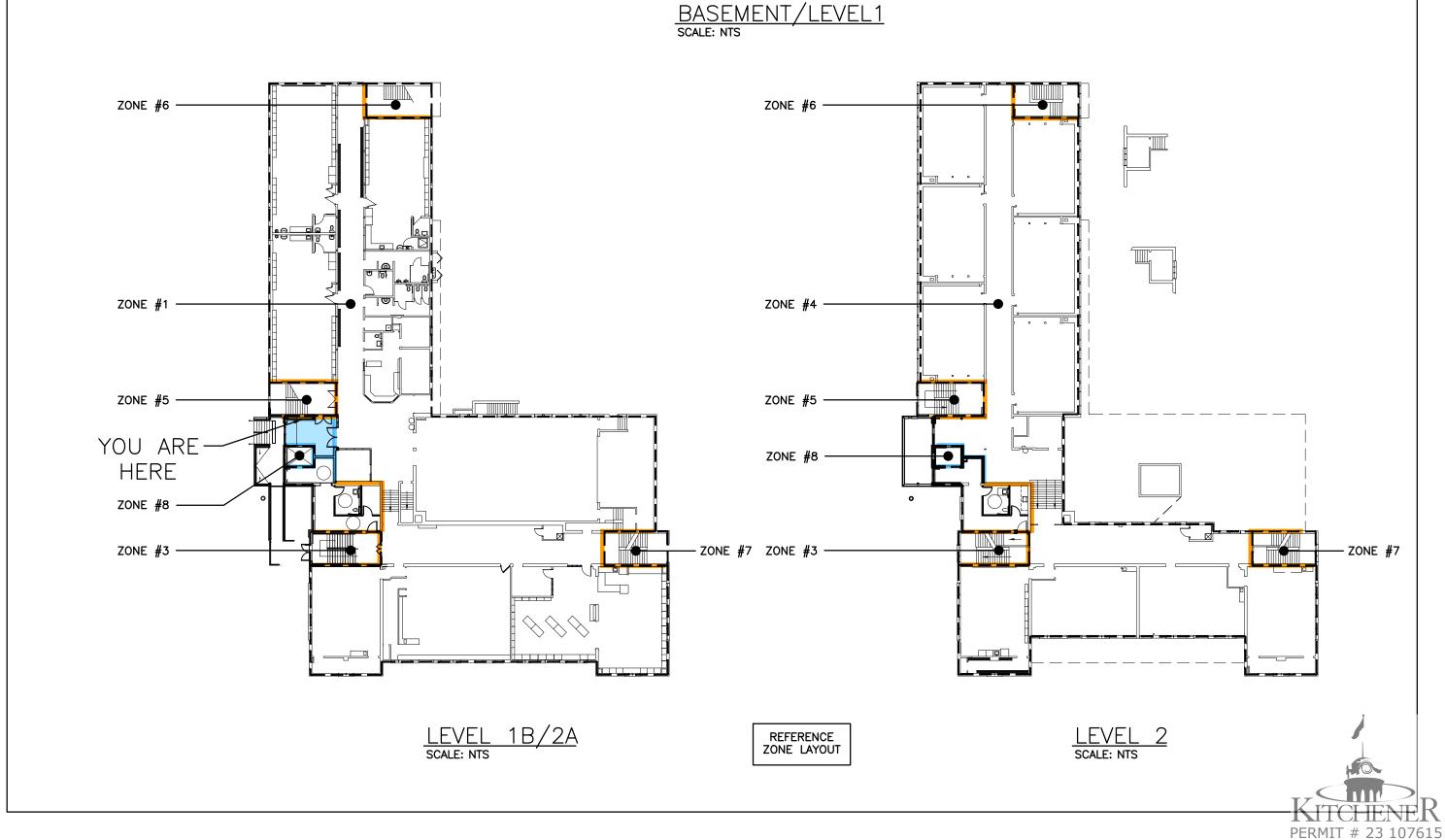
- COORDINATE AND CONNECT ACCORDINGLY. 11 CONTRACTOR TO INCLUDE FOR UPDATES TO EXISTING PASSIVE GRAPHIC.
- 12 INDICATED EXISTING INTELLI-NET CABINET TO BE DISCONNECTED AND THEN RECONNECTED
- TO NEW FIRE ALARM CONTROL PANEL. 13 INDICATES NEW ADDRESSABLE DEVICE ON NEW ADDRESSABLE LOOP TO BE CROSS-ZONED
- TO RESPECTIVE EXISTING FLOOR GENERAL ZONE. DEVICES TO INITIATE ELEVATOR RECALL VIA ASSOCIATED RELAY IN REPLACEMENT CONTROL PANEL.
- 14 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 INTÉGRAL 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 EXISTING ZONES ARE NOT SHOWN ON RISER. CONFIRM WITH MANUFACTURER AND PREVIOUS ANNUAL REPORT. OBTAIN COPY OF EXISTING GRAPHIC. SUBMIT SHOP DRAWING. INCLUDE FOR INTEGRATED LIFE SAFETY TESTING PER SPECIFICATIONS.

APPROVED VENDER FOR EDWARDS FIRE ALARM SYSTEM IS TROY LIFE & FIRE SAFETY LIMITED. REFER TO ELECTRICAL SPECIFICATIONS FOR CONTACT INFORMATION.

PHASING OF FIRE ALARM SYSTEMS

THE EXISTING FIRE ALARM SYSTEM MUST REMAIN IN OPERATION THROUGHOUT CONSTRUCTION OF THE NEW SYSTEM. CONTRACTOR SHALL INSTALL NEW WIRING FOR ALL REPLACEMENT DEVICES TO ACCESSIBLE LOCATION FOR FINAL SWITCHOVER TO NEW DEVICE UPON REMOVAL OF EXISTING. PERFORM VERIFICATION IN STAGES WHICH WILL ALLOW FOR MINIMAL DOWNTIME DURING SWITCHOVER. INCLUDE FOR MULTIPLE VERIFICATIONS AS NECESSARY. FIRE WATCH SHALL BE PROVIDED WHENEVER PROTECTION IS NOT ABLE TO BE MAINTAINED. INCLUDE IN CONTRACT FOR INTERCONNECTION BETWEEN THE NEW AND EXISTING SYSTEMS DURING SWITCHOVER. MAINTAIN EXISTING MONITORING UNTIL SUCH TIME AS NEW MONITORING IS IN PLACE. THE CONTRACTOR IS TO INCLUDE IN THE TENDER THE PROVISION AND INSTALLATION OF ADDITIONAL FIRE ALARM DEVICES NOT INDICATED ON THIS DRAWING. REFER TO SPECIFICATIONS.



no. Date 1 04/14/2022 COORDINATION SET 2 09/08/2022 COORDINATION SET 11/24/2022 COORDINATION SET 01/13/2023 COORDINATION SET 5 | 02/02/2023 | ISSUED FOR PERMIT 6 04/04/2023 ISSUED FOR TENDER 7 06/23/2023 ISSUED FOR DEMO PERMIT 8 | 10/11/2023 | ISSUED FOR BUILDING PERMIT 9 11/01/2023 RE-ISSUED FOR BUILDING PERMIT A 10/03/2023 ISSUED FOR CHANGE NOTICE

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CLIENT

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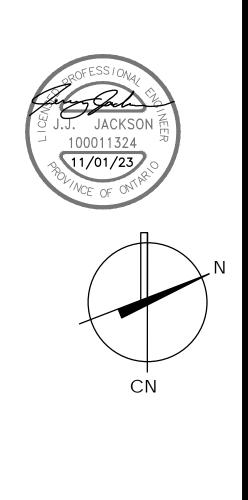
PROJECT:

KING EDWARD PS ELEVATOR

ADDITION 709 KING STREET WEST, KITCHENER, ON

N2G 1E3

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