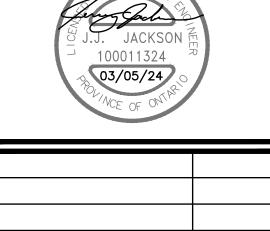


CIRCUIT INDICATION ———

SWITCH LEG (IF APPLICABLE) ——

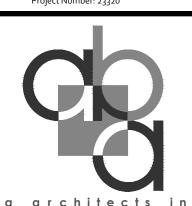
permit Consul The di access to me Drawin by the and m These withou	rawings show general arrangement as closely as actual building constants are considered as a closely as actual building constant before commencement of the rawings do not indicate all offsets prices which may be required. Prover the required conditions, gs and specifications, etc., prepare Consultant are the property of the property of the consent of the Consultant. It the consent of the Consultant.	truction will service from work. fitting and vide the sam d and issued e Consultant of the proje
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NORTH	PROJECT	
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Phone: 519-725-3555 Website: deiassociates.ca Project Number: 23320



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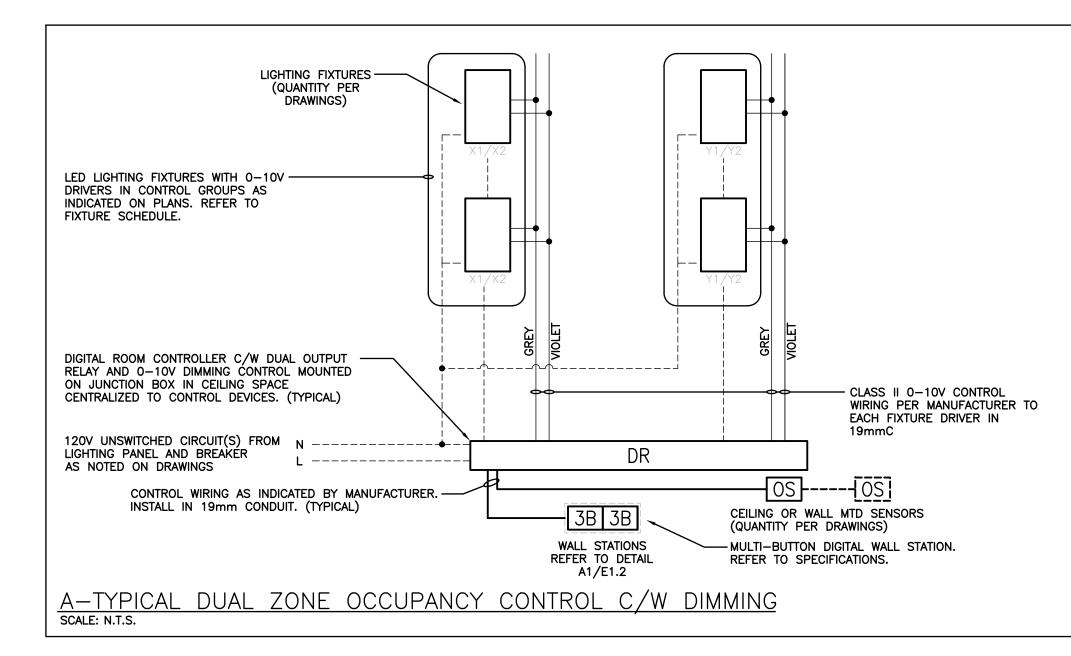
COURTLAND PUBLIC SCHOOL MECH UPGRADES 107 COURTLAND AVE. E., KITCHENER, ON. N2G 2T9

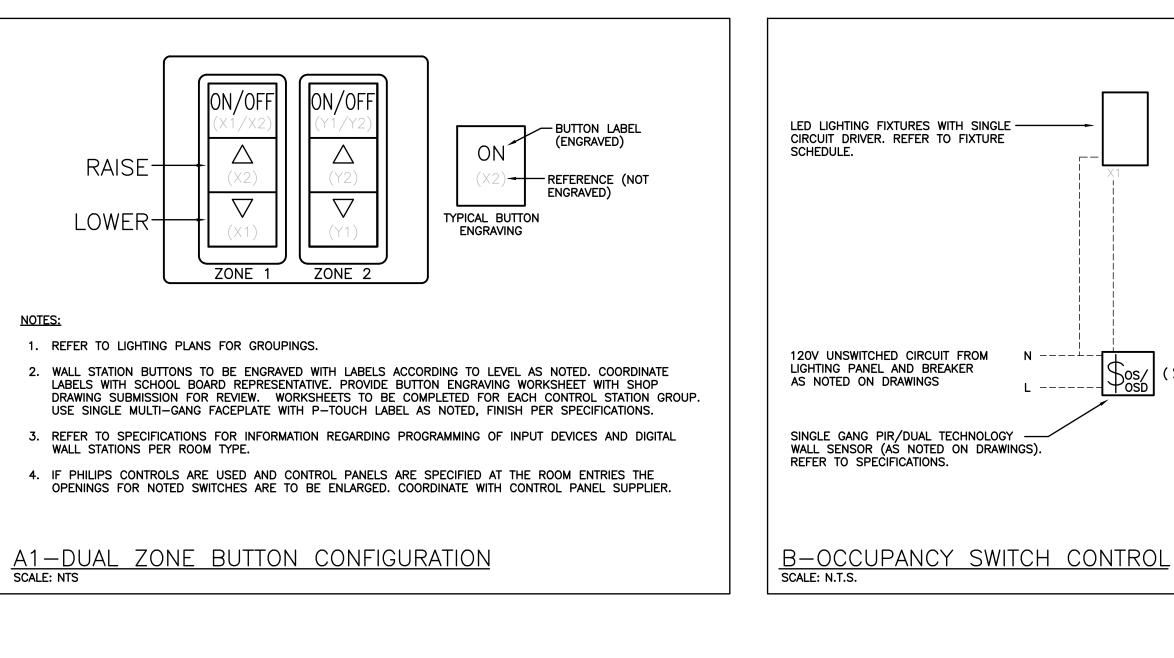
OVERALL FLOOR PLAN AND LEGEND

AS NOTED 24x36 22320

EQL	IIPMENT WIRING SCHEDULE																														E = ELECRTRICAL M = MECHANICAL O = OTHERS
	Description			Electrical	Data			Starte	r	C	trl Devic	е	Isol	ating De	evice		Remote Items						Other	Interloc	(
Mechanical Item	Description		Voltage	Size hp/kW/Amps	Phase		Magnetic Manual	Combination	Contactor	0	On/Off Selector High/Low/Off	Pilot Light	Disconnect	WP Disconnect Breaker/Fuse	Sta	Thermostat	RA Thermostat Programmable Time Clock	_ i ==	Current Sensor	Occ Sensor Dual Voltage Relay	terval Timer	F System Controll Pa	Smoke Control System Panel	Control Panel Wired by	Bldg A	Wired By	Miscellaneous 1 Miscellaneous 2	Interlock to	Interlock by	Remarks	
EF-1	ROOF MOUNTED EXHAUST FAN (LIBRARY)	М		FHP		5								E E						M					М						
UV-1	FLOOR MOUNTED UNIT VENTILATOR	М		8.3MCA	1 1								E		E									M				CU-1	M		
UV-2	FLOOR MOUNTED UNIT VENTILATOR			13.75MCA	1 2							+ +	E		E									M		_		CU-2	M		
UV-3	FLOOR MOUNTED UNIT VENTILATOR	М		8.3 MCA		5							E		E									M		М		CU-3	M		
UV-4	FLOOR MOUNTED UNIT VENTILATOR			8.3 MCA		5							E		E									М	М			CU-4	M		
UV-5	STANDING UNIT VENTILATOR	М		2.6 MCA	1 1	5							E		E									М				CU-5	M		
UV-6	STANDING UNIT VENTILATOR	М		2.6 MCA	1 1	5							E	E	E	М								М	М	М		CU-6	M		
CU-1	OUTDOOR ROOF MOUNTED	М	208	15 MCA	3 2	5								E E														UV-1	M		
CU-2	OUTDOOR ROOF MOUNTED	М	208	22 MCA	3 3	5								E E	E													UV-2	M		
CU-3	OUTDOOR ROOF MOUNTED	М	208	15 MCA	3 2	5								E E	E													UV-3	M		
CU-4	OUTDOOR ROOF MOUNTED	М	208	15 MCA	3 2	5								E E	E													UV-4	M		
CU-5	OUTDOOR ROOF MOUNTED	М	208	15 MCA	3 2	5								E E	E													UV-5	М		
CU-6	OUTDOOR ROOF MOUNTED	М	208	15 MCA	3 2	5								E E	E													UV-6	М		
CP-1	CONDENSATE PUMP	м	120	FHP	1 1	5							Е	E	E																
CP-2	CONDENSATE PUMP	М	120	FHP	1 1	5							Е	E	E																

(\$05/ ON DRAWINGS)





Item	Manufacturer/Catalog Number	Voltage	Lamp	Mounting	Description
A 3	COOPER CAT. #2GR-LD1-48-A-UNV-L840-CD1 LITHONIA CAT. #2GTL4-48L-EZ1-LP840 SIGNIFY CAT. #2TG48L840-4-FS-02F-UNV-DIM	120V	LED 4800 LUMENS 4000K 45W	RECESSED	2X4 (610mmX1220mm) LED TROFFER C/W PATTERN 12 LENS AND WHITE FINISH.
A1 3	COOPER CAT. #2GR-LD1-48-A-UNV-L840-CD1-SK-24-WX LITHONIA CAT. #2GTL4-48L-EZ1-LP840-2X4SMKSHP PAF SIGNIFY CAT. #2TG48L840-4-FS-02F-UNV-DIM-FMA24	120V	LED 4800 LUMENS 4000K 45W	SURFACE	SAME AS TYPE A BUT WITH SURFACE MOUNTING.
B 3	COOPER CAT. #14-GR-LD5-43-A125-UNV-L840-CD-1 LITHONIA CAT. #GTL-4-40L-EZ1-LP840 SIGNIFY CAT. #1TG42L840-4-FS-02F-UNV-DIM	120V	LED 4300 LUMENS 4000K 40W	RECESSED	1X4 (305mmX1220mm) LED TROFFER C/W PATTERN 12 LENS AND WHITE FINISH.

- 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.
- 3 IF THERE ARE ANY DISCREPANCIES BETWEEN THE FIXTURE PART NUMBER AND DESCRIPTION, IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO BRING THIS TO THE ELECTRICAL CONSULTANTS ATTENTION PRIOR TO SHOP DRAWING REVIEW.
- WHERE NOTED ABOVE THAT FIXTURES ARE TO HAVE FINISH TO SUIT ARCHITECT THE FINISH WILL BE SELECTED FROM MANUFACTURER'S OPTIONAL COLOUR CHART (i.e. RAL COLOURS OR EQUAL). PROVIDE THIS COLOUR CHART WITH SHOP DRAWING SUBMITTAL.

LIGHTING CONTROL SYSTEMS SEQUENCE OF OPERATION

DIGITAL ROOM CONTROL RELAY POWER PACKS C/W

PLUG AND PLAY DIGITAL SENSORS AND WALL MOUNT CONTROL STATIONS.

REFER TO SPECIFICATIONS SECTION 26 51 16.

Space Type	Room Names	Control Sequence / Control Device(s):	Control System
TUCK SHOP AND CUST. OFFICE	TYPICAL	Sequence: ON: Lights turned on automatically via wall station(s). 10 minutes after the room has been vacated, the lights will automatically turn off.	OCCUPANCY SENSOR SWITCH
Classrooms/Work Rooms	TYPICAL	Sequence: ON: Lights turned on automatically 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: 10 minutes after the room has been vacated, the lights will automatically turn off.	DIGITAL ROOM CONTROL SYSTEM

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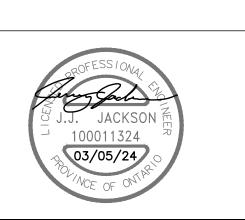
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CHRONOLOGY	DATE



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Phone: 519-725-3555
Website: deiassociates.ca



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PROJECT NAME

COURTLAND PUBLIC SCHOOL

MECH UPGRADES

107 COURTLAND AVE. E., KITCHENER, ON. N2G 2T9

DRAWING TIT

LIGHTING CONTROL
DETAILS AND
SCHEDULES

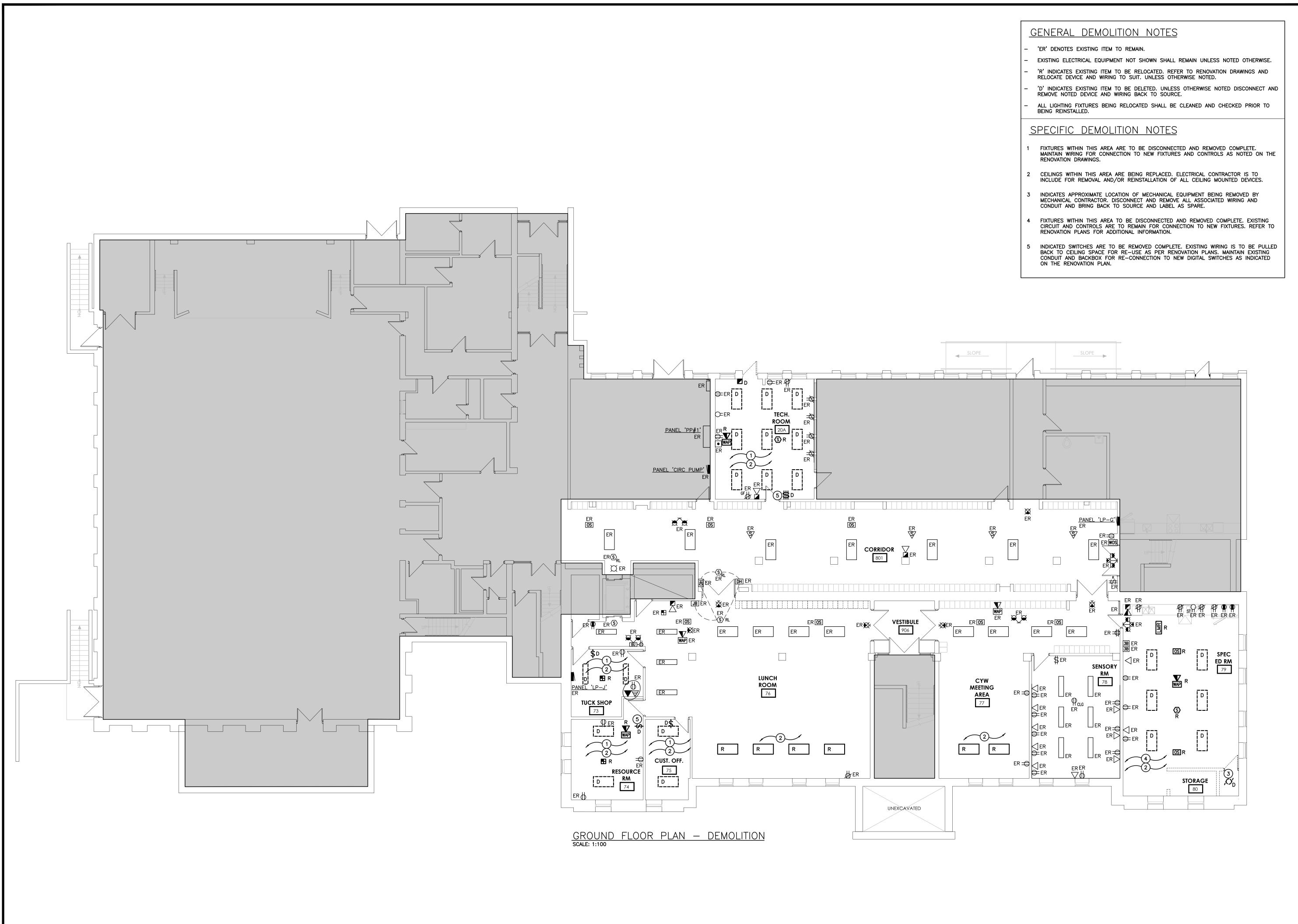
AS NOTED

ET SIZE

24x36

JECT NUMBER

22320



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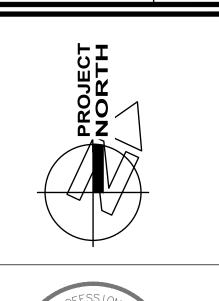
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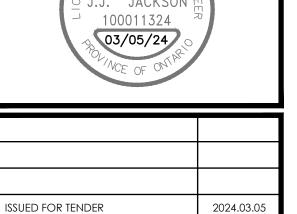
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Website: deiassociates.ca
Project Number: 23320



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PROJECT NAME

COURTLAND PUBLIC SCHOOL

MECH UPGRADES

107 COURTLAND AVE. E., KITCHENER, ON. N2G 2T9

DRAWING TIT

GROUND FLOOR -DEMOLITION

AS NOTED

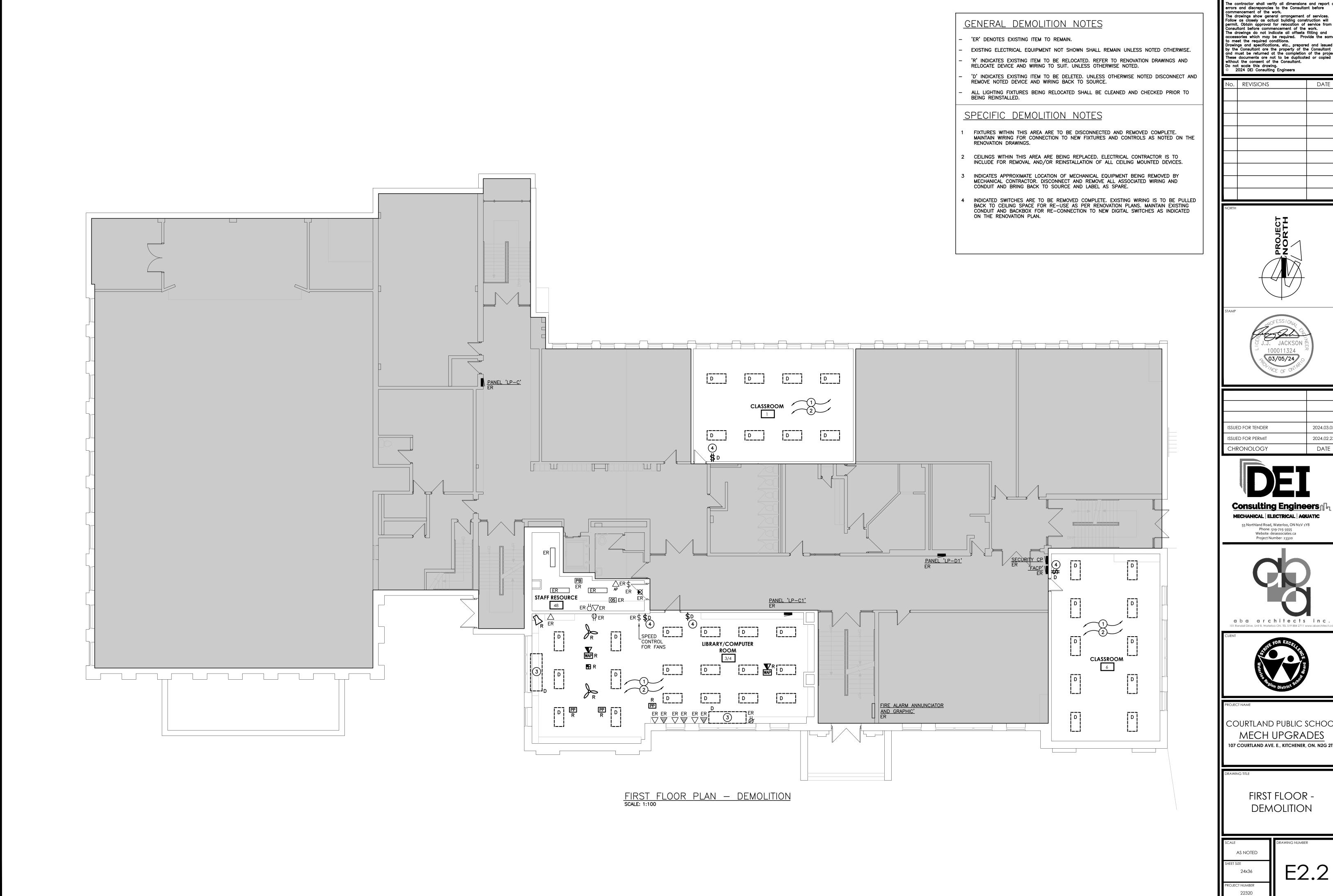
SHEET SIZE

24x36

DRAWING NUMBER

24x36

22320



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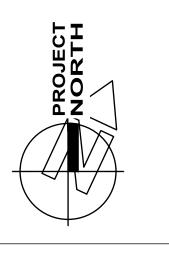
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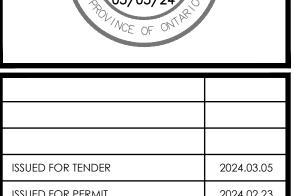
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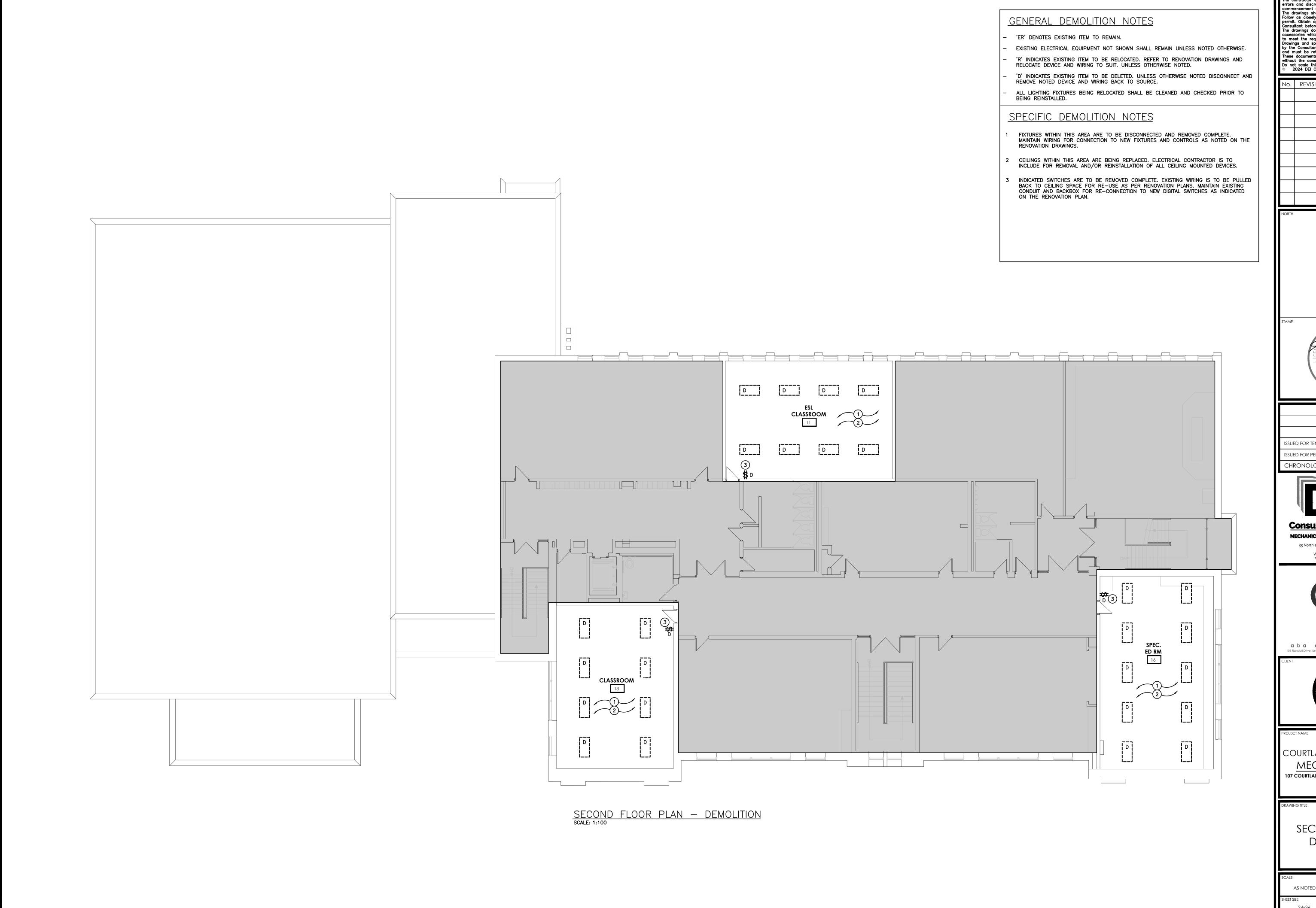
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COURTLAND PUBLIC SCHOOL MECH UPGRADES 107 COURTLAND AVE. E., KITCHENER, ON. N2G 2T9

> FIRST FLOOR -DEMOLITION



The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.

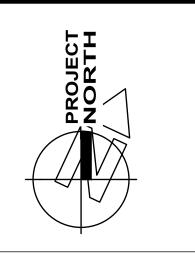
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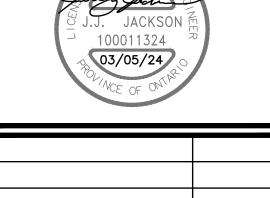
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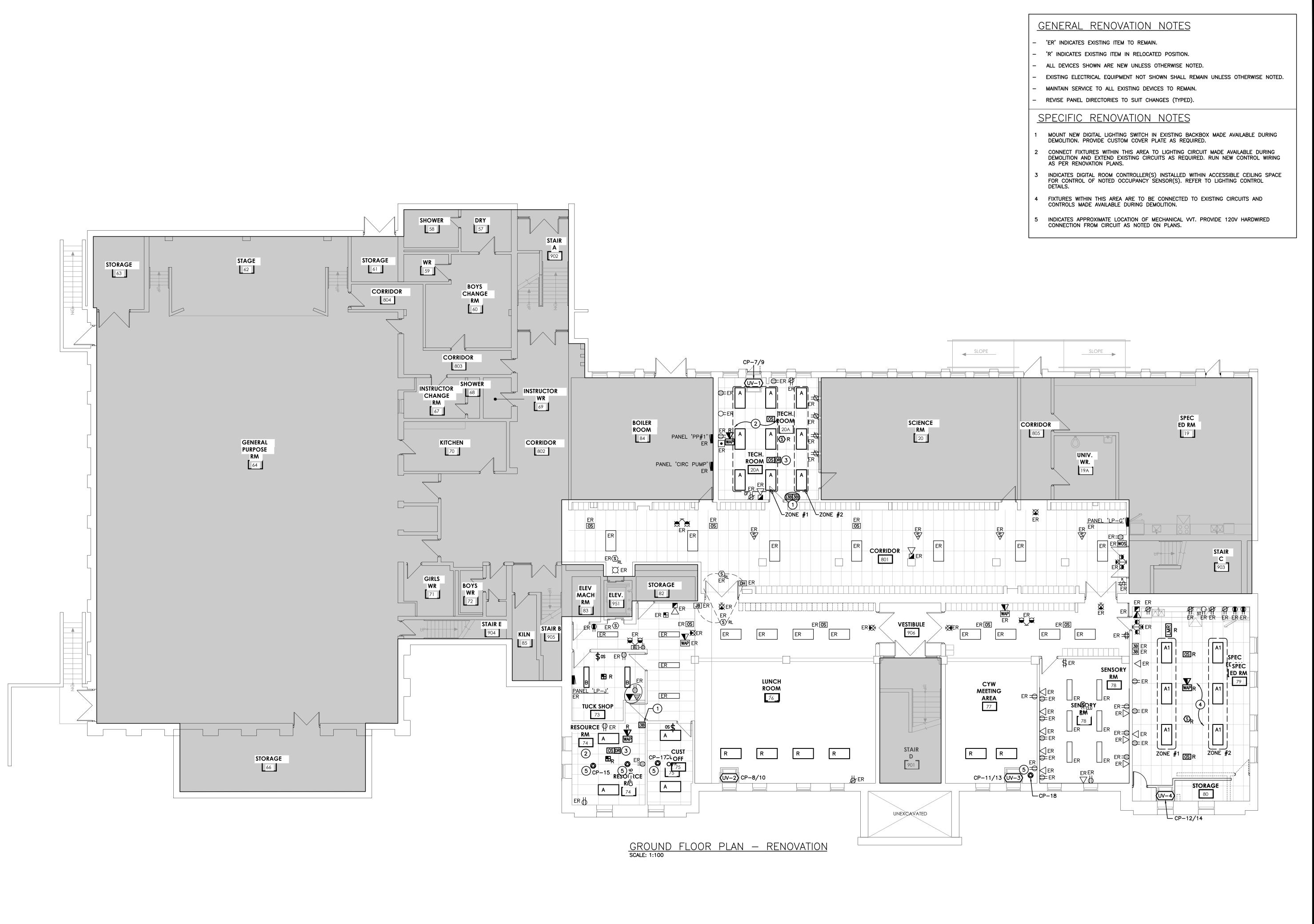
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COURTLAND PUBLIC SCHOOL MECH UPGRADES 107 COURTLAND AVE. E., KITCHENER, ON. N2G 2T9

> SECOND FLOOR -DEMOLITION

E2.3 22320



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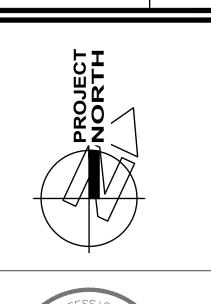
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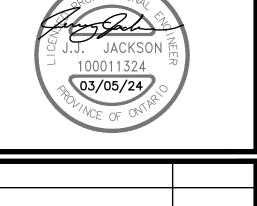
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PROJECT NAME

COURTLAND PUBLIC SCHOOL

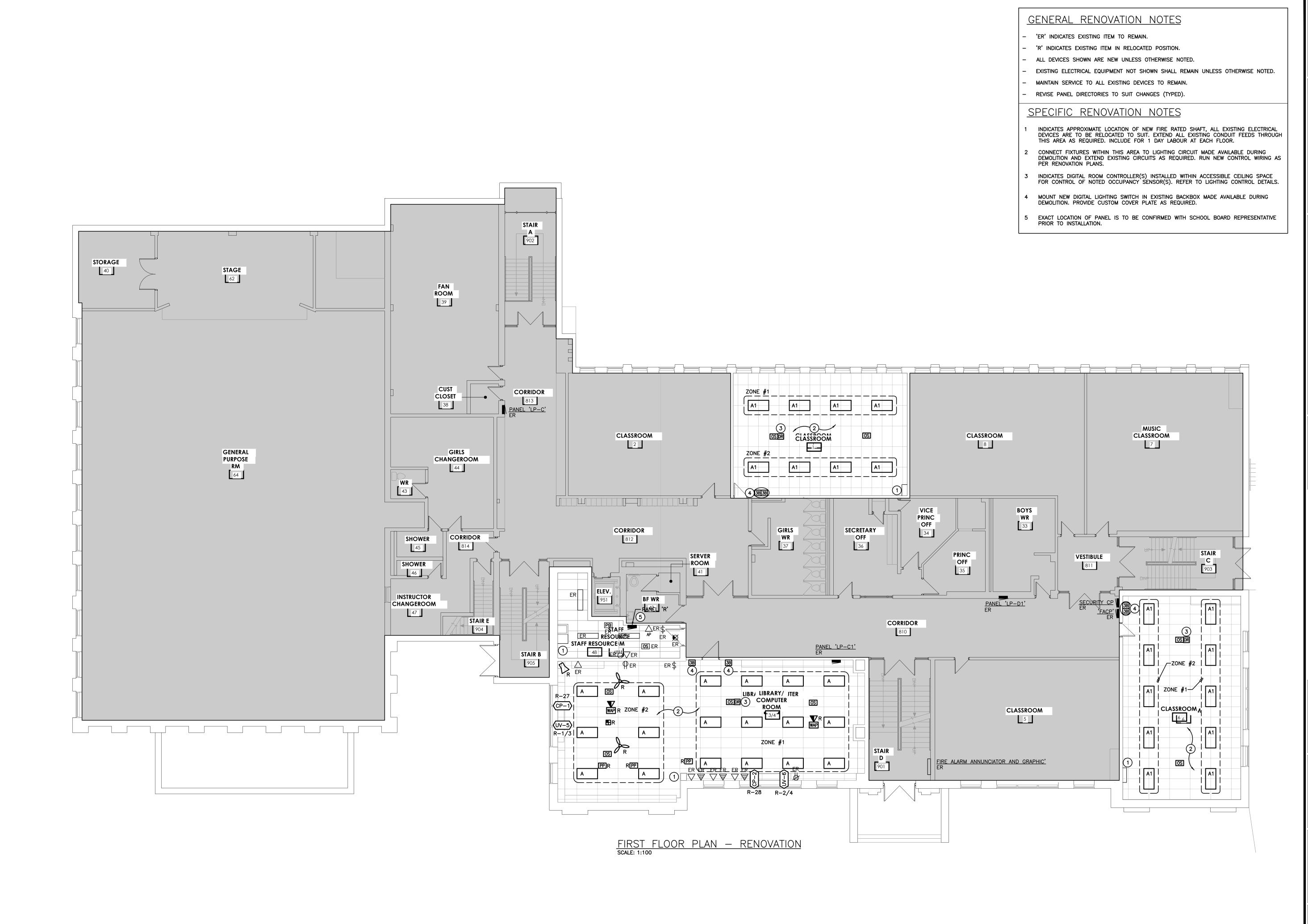
MECH UPGRADES

107 COURTLAND AVE. E., KITCHENER, ON. N2G 2T9

DRAWING TIT

GROUND FLOOR -RENOVATION

SCALE	DRAWING NUMBER
AS NOTED	
SHEET SIZE 24x36	E3.1
PROJECT NUMBER	



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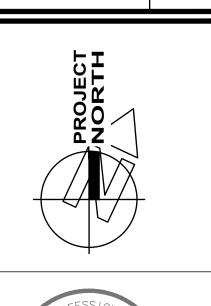
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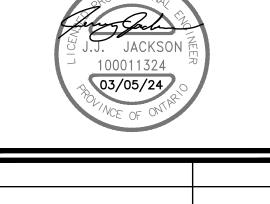
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PROJECT NAM

COURTLAND PUBLIC SCHOOL

MECH UPGRADES

107 COURTLAND AVE. E., KITCHENER, ON. N2G 2T9

DRAWING TIT

FIRST FLOOR -RENOVATION

SCALE

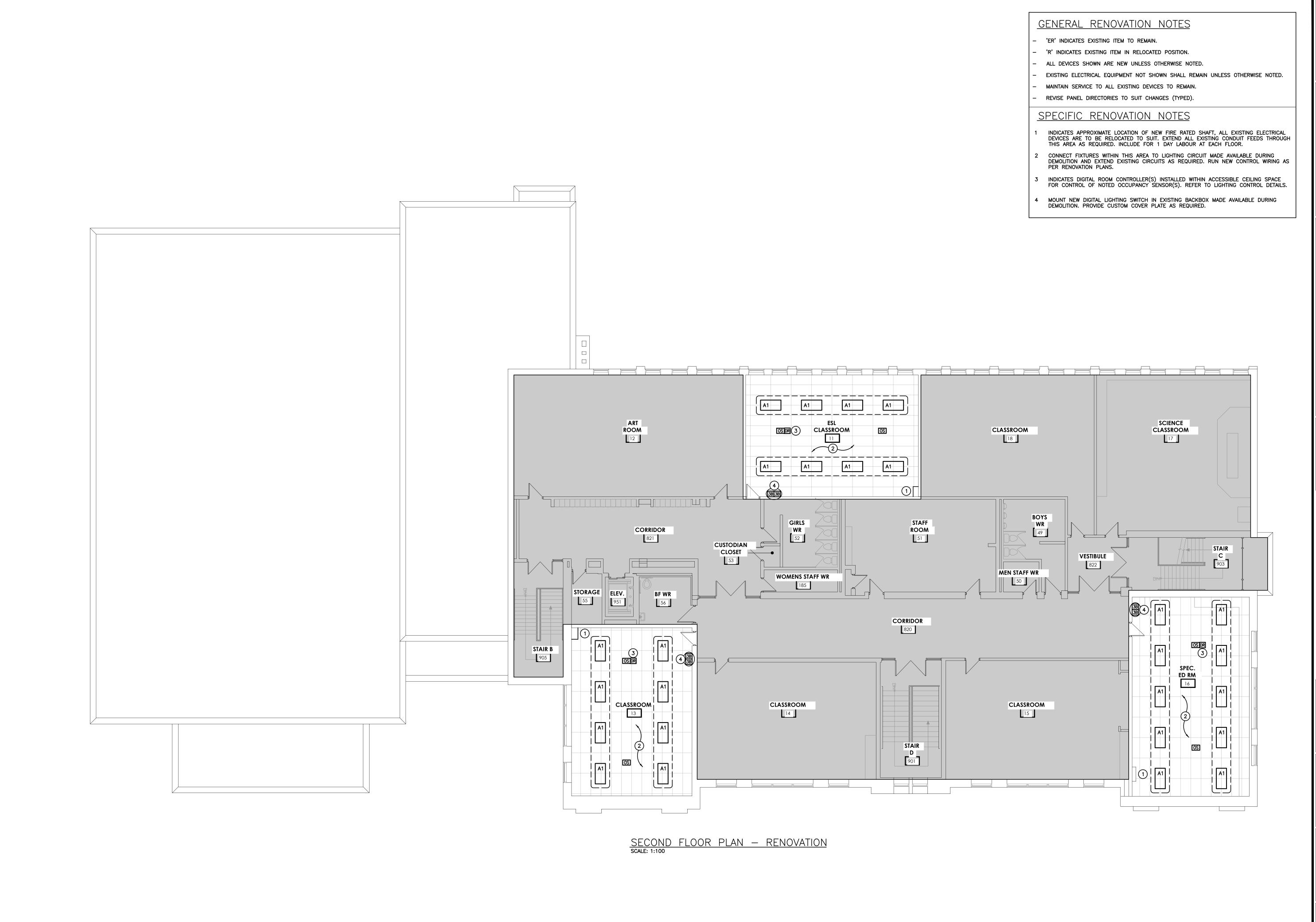
AS NOTED

SHEET SIZE

24x36

22320

E3.2



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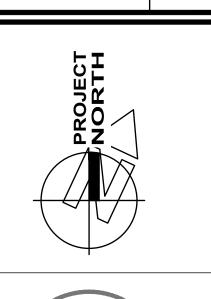
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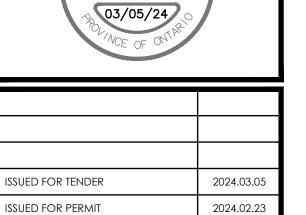
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PROJECT NAME

COURTLAND PUBLIC SCHOOL

MECH UPGRADES

107 COURTLAND AVE. E., KITCHENER, ON. N2G 2T9

DRAWING TIT

SECOND FLOOR -RENOVATION

SCALE

AS NOTED

SHEET SIZE

24x36

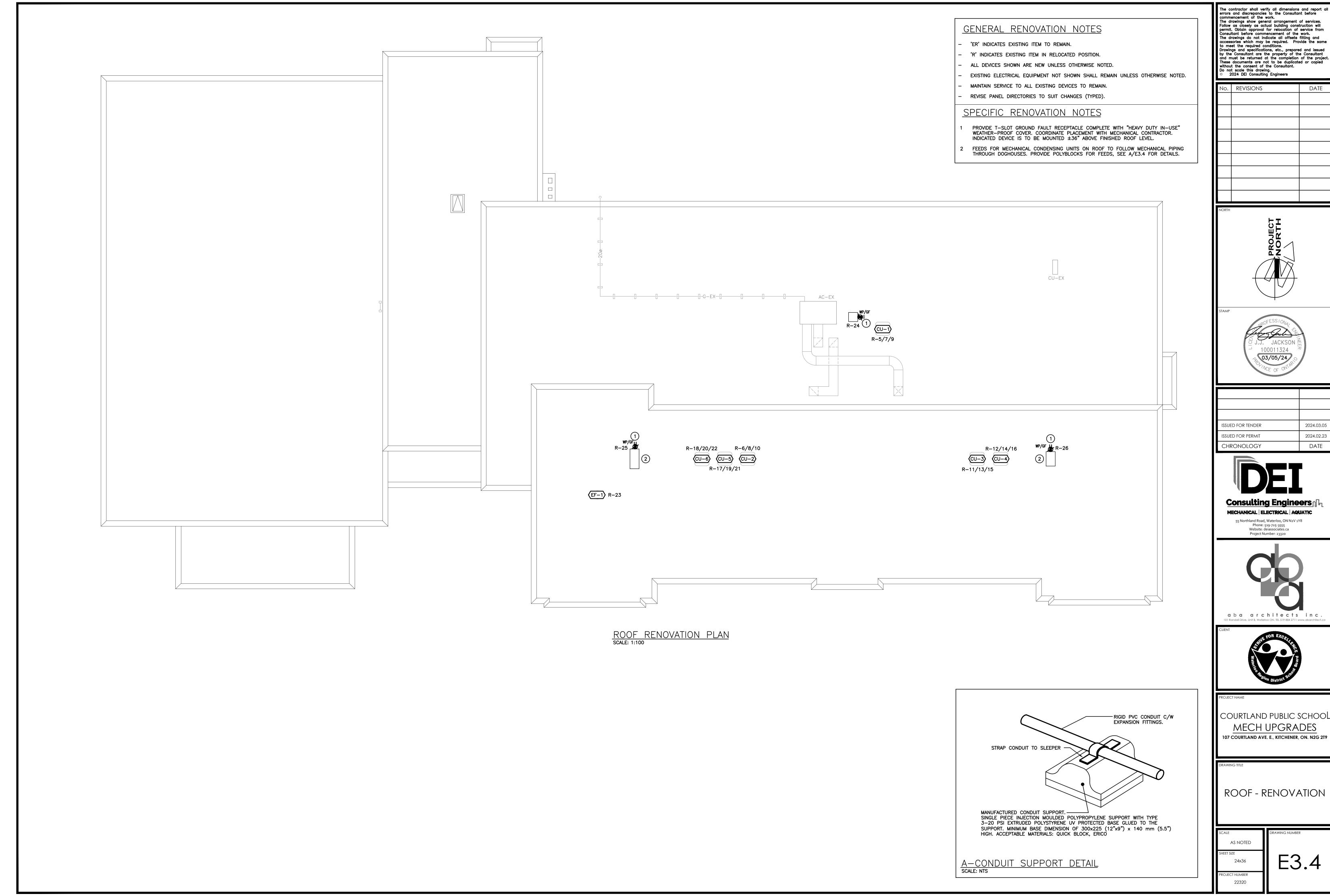
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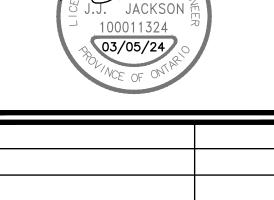
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54x36

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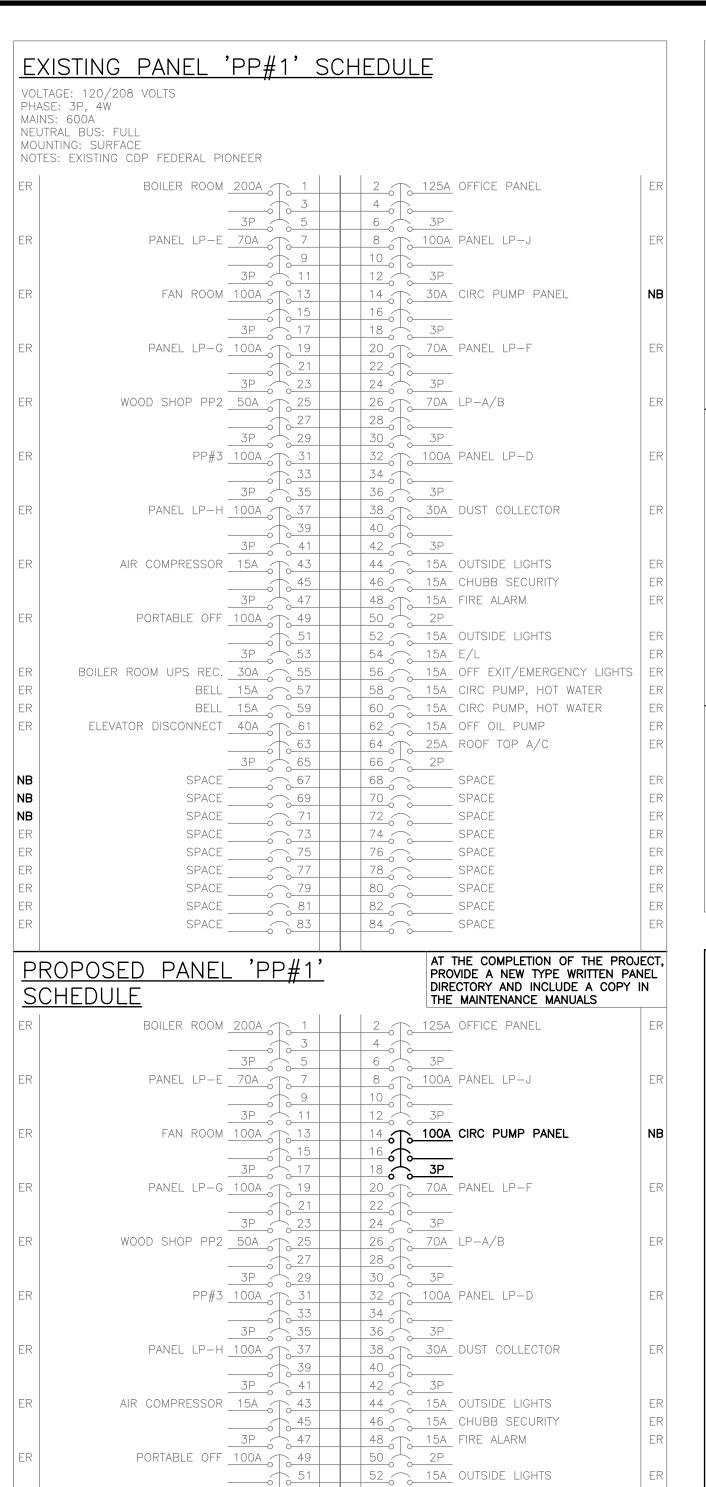
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107 COURTLAND AVE. E., KITCHENER, ON. N2G 2T9

ROOF - RENOVATION



3P 53 54 15A E/L

ELEVATOR DISCONNECT 40A 61 62 15A OFF OIL PUMP

3P 65 66 2P PANEL R 100A 67 68 SPACE

SPACE 73 74 SPACE

SPACE 75 76 SPACE

SPACE 77 78 SPACE

 SPACE
 79
 80
 SPACE

 SPACE
 81
 82
 SPACE

 SPACE
 83
 84
 SPACE

'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

'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.

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.

NOTES: THIS CONTRACTOR IS TO INVESTIGATE BREAKERS AND REVISE PANEL SCHEDULES TO SUIT RENOVATION, NOTING ANY BREAKERS THAT BECOME SPARE DUE TO DEMOLITION. THIS

'ER' INDICATES EXISTING SERVICE AND BREAKER THAT SHOULD REMAIN UNTOUCHED

'SB' INDICATES SPARE BREAKER TO BE USED FOR NEW SERVICE INDICATED.

DESIGNATION

REQUIRED.

69 70 SPACE

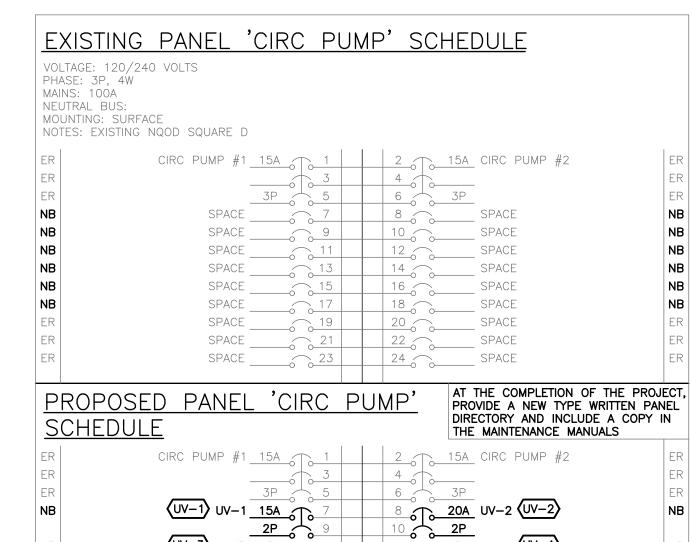
BOILER ROOM UPS REC. 30A 55 56 15A OFF EXIT/EMERGENCY LIGHTS ER

BELL 15A 57 58 15A CIRC PUMP, HOT WATER BELL 15A 59 60 15A CIRC PUMP, HOT WATER

63 64 25A ROOF TOP A/C

ER

ER



UV-3 UV-3 15A 2 15A UV-4 (UV-4) NB 4 2P NB RM 74 MECH VVT 15A 16 15A RM 74 MECH VVT 18 15A RM 77 MECH WT RM 75 MECH WT 15A NB SPACE ________19 SPACE SPACE ______ SPACE **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

'NB' INDICATES NEW BREAKER AND WIRING TO SERVICE INDICATED. PROVIDE MOUNTING HARDWARE AS

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RENOVATION, NOTING ANY BREAKERS THAT BECOME SPARE DUE TO DEMOLITION. THIS

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NOTES: THIS CONTRACTOR IS TO INVESTIGATE BREAKERS AND REVISE PANEL SCHEDULES TO SUIT

'SB' INDICATES SPARE BREAKER TO BE USED FOR NEW SERVICE INDICATED.

INDICATES 33mA GROUND FAULT STYLE BREAKER PANEL 'R' THE CONTRACTOR IS TO COORDINATE ROOM NAMES VOLTAGE: 120/208 VOLTS AND NUMBERS NOTED WITH THE FINAL ROOM PHASE: 3P, 4W INFORMATION ISSUED DURING CONSTRUCTION AND MAINS: 225A ADJUST DIRECTORIES TO SUIT. **NEUTRAL BUS: FULL** MOUNTING: SURFACE NOTES: FED FROM PANEL PP-1 (UV-5) UV-5 15A 0T0 1 2 0 15A UV-6 (UV-6) CU-5 CU-5 25A CU-6 CU-6 3P 20 3P 22 3P EF-1 15A 23 24 20A ROOF MAINTENANCE REC. ROOF MAINTENANCE REC. 20A 25 26 20A ROOF MAINTENANCE REC.
 CP-1
 CP-1
 15A
 27
 28
 15A
 CP-2
 CP-2

 SPACE
 29
 30
 SPACE
 SPACE 31 32 SPACE SPACE 33 34 SPACE 35 36 SPACE _

THE INDICATED PANEL ASSEMBLY MUST HAVE AN INTERRUPTING CAPACITY OF 18000 A.

PROVIDE BY EITHER FULLY RATED BREAKERS OR INTEGRATED EQUIPMENT RATING WITH

THE UPSTREAM BREAKER.

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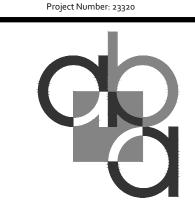
JACKSON 100011324 03/05/24

DATE

ISSUED FOR TENDER 2024.03.05 ISSUED FOR PERMIT 2024.02.23 DATE CHRONOLOGY



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PANEL SCHEDULES AND DISTRIBUTION RISER

AS NOTED 24x36 ROJECT NUMBER 22320

