

EXISTING PANEL 'LPF' SCHEDULE

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

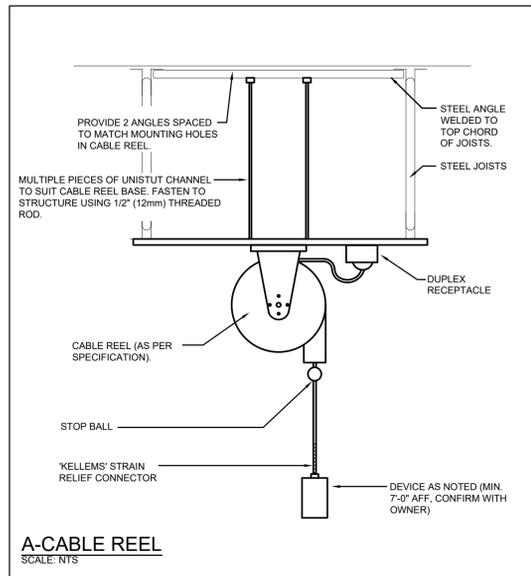
ER	EXISTING LOAD	15A	1	2	15A	EXISTING LOAD	ER
ER	EXISTING LOAD	15A	3	4	15A	EXISTING LOAD	ER
ER	EXISTING LOAD	15A	5	6	15A	EXISTING LOAD	ER
ER	EXISTING LOAD	15A	7	8	15A	EXISTING LOAD	ER
ER	EXISTING LOAD	15A	9	10	15A	EXISTING LOAD	ER
ER	EXISTING LOAD	15A	11	12	15A	EXISTING LOAD	ER
ER	EXISTING LOAD	15A	13	14	15A	EXISTING LOAD	ER
ER	EXISTING LOAD	15A	15	16	15A	EXISTING LOAD	ER
ER	EXISTING LOAD	15A	17	18	15A	EXISTING LOAD	ER
ER	EXISTING LOAD	15A	19	20	15A	EXISTING LOAD	ER
ER	EXISTING LOAD	20A	21	22	15A	EXISTING LOAD	ER
ER	EXISTING LOAD	15A	23	24	15A	EXISTING LOAD	ER
ER	EXISTING LOAD	15A	25	26	15A	EXISTING LOAD	ER
ER	EXISTING LOAD	15A	27	28	15A	EXISTING LOAD	ER
ER	EXISTING LOAD	15A	29	30	15A	EXISTING LOAD	ER
ER	EXISTING LOAD	15A	31	32	15A	EXISTING LOAD	ER
ER	EXISTING LOAD	15A	33	34	15A	EXISTING LOAD	ER
ER	EXISTING LOAD	15A	35	36	15A	EXISTING LOAD	ER
ER	EXISTING LOAD	15A	37	38	15A	EXISTING LOAD	ER
ER			39	40	2P		ER
ER			41	42	15A	EXISTING LOAD	ER
ER	EXISTING LOAD	15A	43	44	15A	EXISTING LOAD	ER
ER	EXISTING LOAD	15A	45	46	15A	EXISTING LOAD	ER
ER	EXISTING LOAD	15A	47	48	15A	EXISTING LOAD	ER
ER	EXISTING LOAD	15A	49	50	20A	EXISTING LOAD	ER
ER			51	52	20A	EXISTING LOAD	ER
ER			53	54	15A	EXISTING LOAD	ER
ER	EXISTING LOAD	20A	55	56	SPACE		ER
NB	SPACE		57	58	SPACE		NB
NB	SPACE		59	60	SPACE		NB
NB	SPACE		61	62	SPACE		NB
NB	SPACE		63	64	SPACE		NB
NB	SPACE		65	66	SPACE		NB
NB	SPACE		67	68	SPACE		NB
NB	SPACE		69	70	SPACE		NB
ER	SPACE		71	72	SPACE		ER

PROPOSED PANEL 'LPF' SCHEDULE

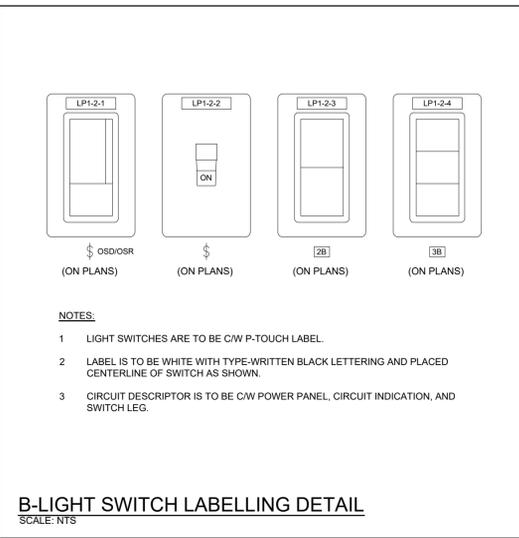
AT THE COMPLETION OF THE PROJECT, PROVIDE A NEW TYPE WRITTEN PANEL DIRECTORY AND INCLUDE A COPY IN THE MAINTENANCE MANUALS.

ER	EXISTING LOAD	15A	1	2	15A	EXISTING LOAD	ER
ER	EXISTING LOAD	15A	3	4	15A	EXISTING LOAD	ER
ER	EXISTING LOAD	15A	5	6	15A	EXISTING LOAD	ER
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ER	EXISTING LOAD	15A	35	36	15A	EXISTING LOAD	ER
ER	EXISTING LOAD	15A	37	38	15A	EXISTING LOAD	ER
ER			39	40	2P		ER
ER			41	42	15A	EXISTING LOAD	ER
ER	EXISTING LOAD	15A	43	44	15A	EXISTING LOAD	ER
ER	EXISTING LOAD	15A	45	46	15A	EXISTING LOAD	ER
ER	EXISTING LOAD	15A	47	48	15A	EXISTING LOAD	ER
ER	EXISTING LOAD	15A	49	50	20A	EXISTING LOAD	ER
ER			51	52	20A	EXISTING LOAD	ER
ER			53	54	15A	EXISTING LOAD	ER
NB	EXISTING LOAD	20A	55	56	20A	ROOFTOP RTU T-SLOT REC'S	NB
NB	SPARE		57	58	15A	SPARE	NB
NB	SHOP GARAGE DOOR	20A	59	60	20A	SHOP GARAGE DOOR	NB
NB	SHOP GARAGE DOOR	20A	61	62	15A	SHOP FLOOR RECEPTACLES	NB
NB	AUTO SHOP FLOOR DEVICES	20A	63	64	15A	SHOP FLOOR/CLG RECEPTACLES	NB
NB	AUTO SHOP EXHAUST FAN EF-2	30A	65	66	15A	GAS DETECTION PANEL	NB
NB		2P	67	68	30A	WOOD SHOP EXHAUST FAN EF-1	NB
ER	SPACE		69	70	2P		ER
ER	SPACE		71	72	SPACE		ER

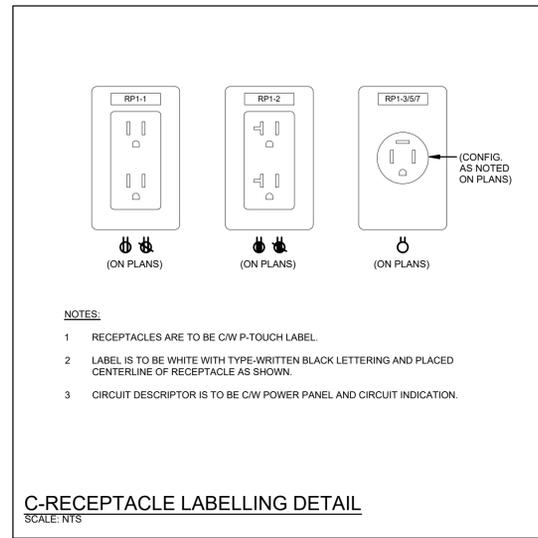
DESIGNATION
 'ER' INDICATES EXISTING SERVICE AND BREAKER THAT SHOULD REMAIN UNTOUCHED
 'SR' INDICATES EXISTING BREAKER THAT MAY BECOME SPARE DUE TO DEMOLITION. (CONFIRM ON SITE)
 'RW' INDICATES EXISTING BREAKER THAT SHOULD BE REWIRED TO SERVICE DEVICES INDICATED ON PLAN
 'SB' INDICATES SPARE BREAKER 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. NOTIFY 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.



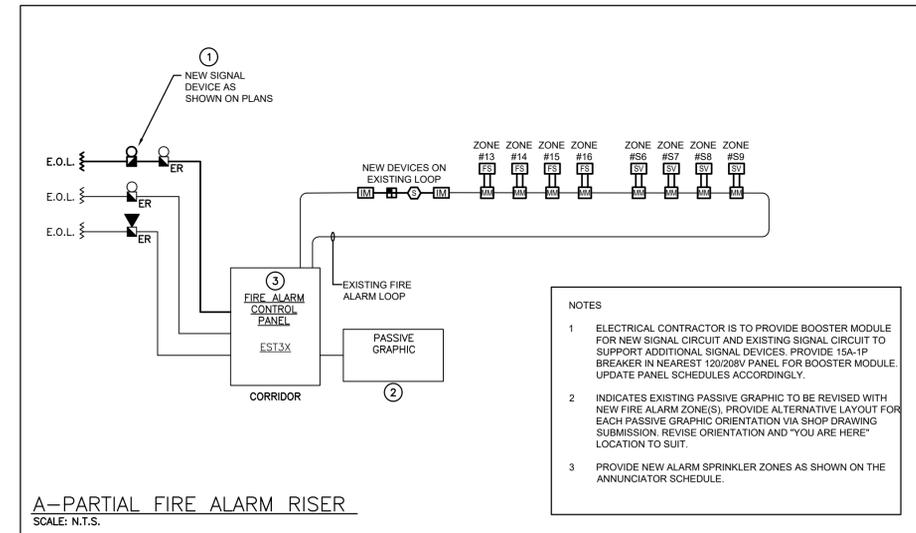
A-CABLE REEL
SCALE: NTS



B-LIGHT SWITCH LABELLING DETAIL
SCALE: NTS



C-RECEPTACLE LABELLING DETAIL
SCALE: NTS



A-PARTIAL FIRE ALARM RISER
SCALE: N.T.S.

FIRE ALARM ANNUNCIATOR SCHEDULE

Zone	Description	Alarm	New	Zone	Description	Supervisory	New
1	SECOND FLOOR ACADEMIC WING	•		S1	BACKFLOW VALVE #1	•	
2	RM 201 KITCHEN HOOD	•		S2	BACKFLOW VALVE #2	•	
3	FIRST FLOOR ACADEMIC WING	•		S3	SPARK DET. PANEL ALARM	•	
4	A.V. OFFICE TO ROOM 131	•		S4	MAIN STANDPIPE SHUTOFF VALVE	•	
5	ROOM 122 TO 132, BOILER ROOM TO 128	•		S5	DAMPERS	•	
6	CAFETERIA AND DOUBLE GYM	•		S6	BASEMENT/GROUND FLOOR SUPERVISED VALVE	•	•
7	S.A.C. OFFICE AND UPPER FAN ROOM	•		S7	GROUND FLOOR SUPERVISED VALVE	•	•
8	MAIN OFFICE WING	•		S8	SECOND FLOOR SUPERVISED VALVE	•	•
9	DUCT SMOKE	•		S9	FUTURE SUPERVISED VALVE	•	•
10	WEST STAIR 6	•		S10			
11	CENTRE STAIR 3	•		S11			
12	EAST STAIR 1	•		S12			
13	BASEMENT/GROUND FLOOR FLOW SWITCH	•	•	S13			
14	GROUND FLOOR FLOW SWITCH	•	•	S14			
15	SECOND FLOOR FLOW SWITCH	•	•	S15			
16	FUTURE FLOW SWITCH	•	•	S16			
17				S17			
18				S18			
19				S19			
20				S20			
21				S21			
22				S22			
23				S23			
24				S24			



Consulting Engineers
 MECHANICAL | ELECTRICAL | AQUATIC

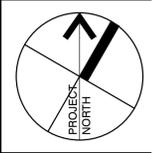
55 Northland Road, Waterloo, ON N2V 1Y8
 Phone: 519-745-3555
 Website: deiconsulting.ca
 Project Number: 25401

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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 Name: D.G. MCCONKEY
 Number: 100220476
 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

Nº	DATE	ISSUE	BY
3	26.03.11	ISSUED FOR TENDER	DM
2	26.02.13	ISSUED FOR PERMIT	DM
1	26.02.06	ISSUED FOR COORDINATION	DM

MARTIN SIMMONS SWEERS
 200 - 113 Breithaupt Street
 Kitchener, ON N2H 5G9
 t 519.745.4754 f 519.745.0061



PROJECT
SOUTHWOOD S.S. RAAC PHASE 1
 30 SOUTHWOOD DR., CAMBRIDGE, ON

ELECTRICAL DETAILS

DRAWN BY: CT CHECKED BY: DM
 DATE: March 11, 2026
 SCALE: AS NOTED DRAWING Nº: **E102**
 PROJECT Nº: 25046



DEI Consulting Engineers

MECHANICAL | ELECTRICAL | AQUATIC

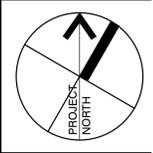
55 Northland Road, Waterloo, ON N2V 1Y8
 Phone: 519-745-3555
 Website: deiassociates.ca
 Project Number: 25401

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PROJECT
**SOUTHWOOD S.S.
 RAAC PHASE 1**
 30 SOUTHWOOD DR., CAMBRIDGE, ON

DEMOLITION PLANS

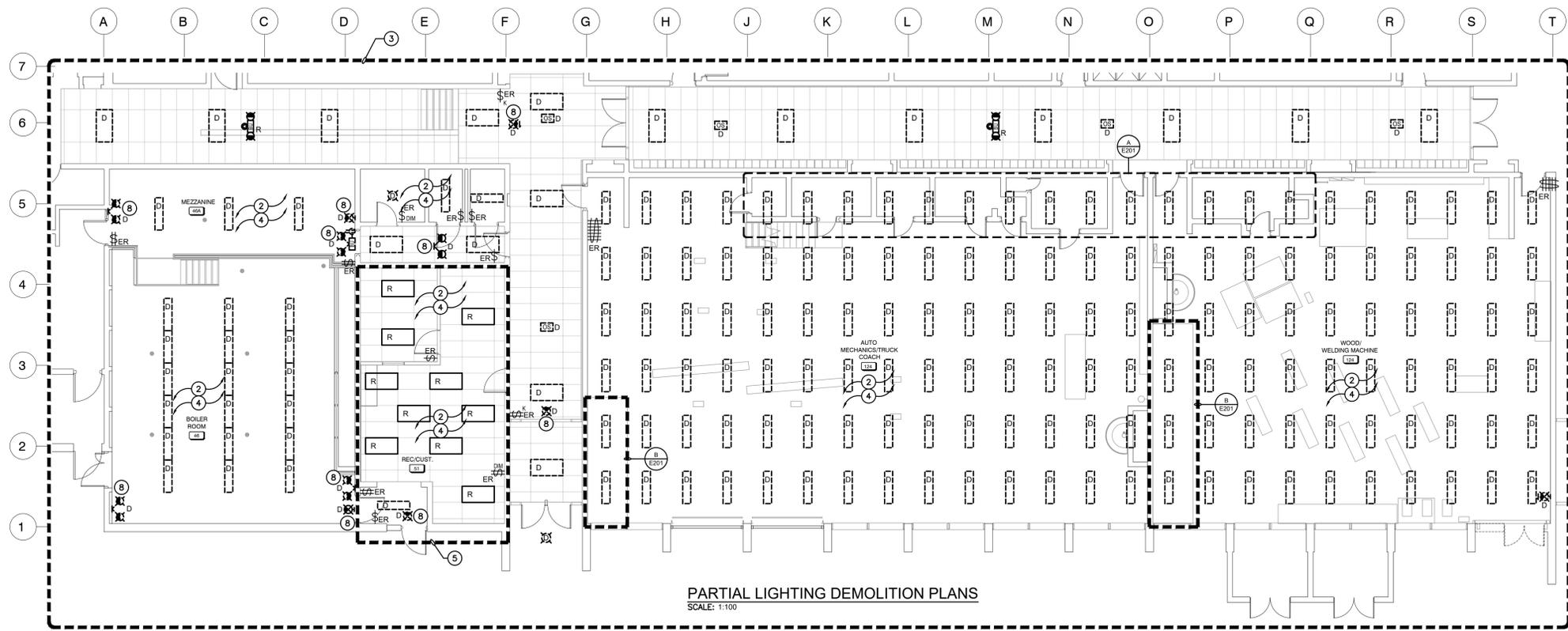
DRAWN BY CT	CHECKED BY DM
DATE March 11, 2026	
SCALE AS NOTED	DRAWING Nº E201
PROJECT Nº 25046	

GENERAL DEMOLITION NOTES

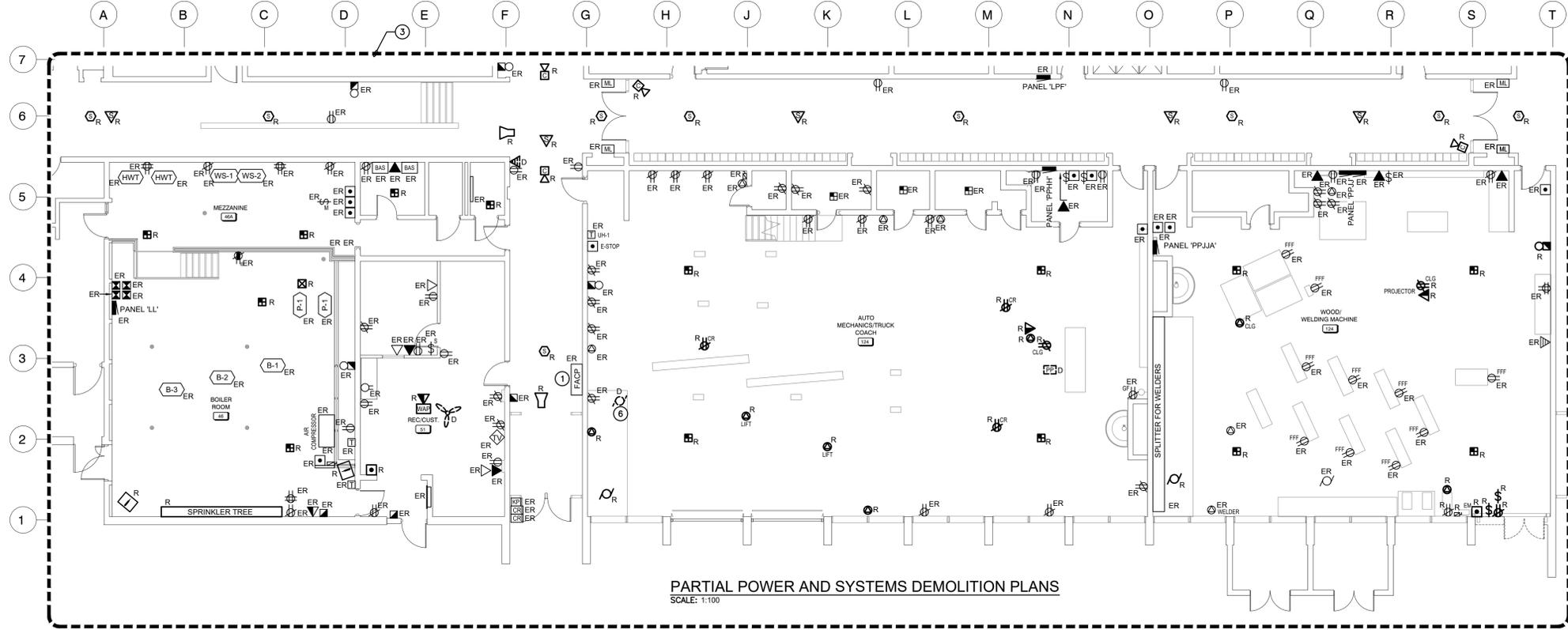
- 'ER' DENOTES EXISTING ITEM TO REMAIN.
- EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
- 'R' INDICATES EXISTING ITEM TO BE RELOCATED. REFER TO RENOVATION DRAWINGS AND RELOCATE DEVICE AND WIRING TO SUIT, UNLESS OTHERWISE NOTED.
- 'D' INDICATES EXISTING ITEM TO BE DEMOLISHED, 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.

SPECIFIC DEMOLITION NOTES

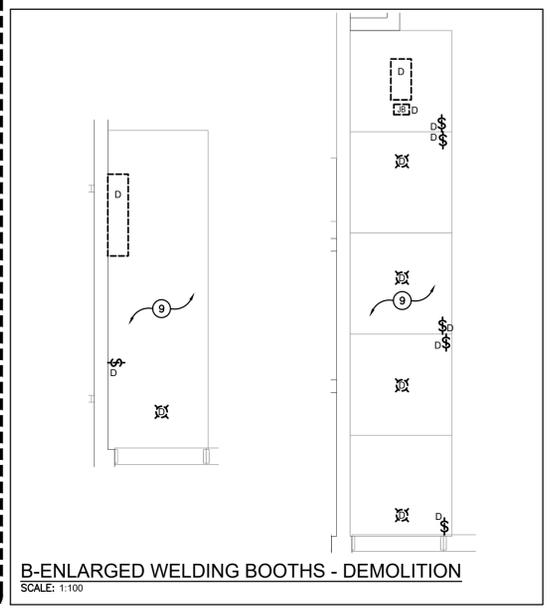
- 1 THE ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE ALL EXISTING FIRE ALARM CIRCUITS AS REQUIRED TO FACILITATE THE REMOVAL AND REPLACEMENT OF THE ROOF. PRIOR TO ANY FIRE ALARM SYSTEM DISCONNECTION, THE ELECTRICAL CONTRACTOR SHALL PREPARE AND SUBMIT A DETAILED FIRE WATCH PLAN FOR REVIEW AND APPROVAL BY BOTH THE BOARD AND THE CITY. THE ELECTRICAL CONTRACTOR IS FULLY RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING A COMPLETE FIRE WATCH FOR THE ENTIRE DURATION OF THE FIRE ALARM SYSTEM DOWNTIME. PROVIDE FULL FIRE ALARM VERIFICATION AND INTEGRATED TESTING FOR ENTIRE SYSTEM.
- 2 DISCONNECT AND REMOVE LIGHTING FIXTURES, WIRING, AND CONDUIT WITHIN THIS AREA. REPLACE EXISTING LOCAL WIRING FOR RECONNECTION 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 10 LIGHTING BRANCH CIRCUITS
 - RELOCATION AND RECONNECT OF 60 RECEPTACLE AND POWER BRANCH CIRCUITS
 - REROUTING OF LOCAL ADDRESSABLE FIRE ALARM LOOP.
 - RELOCATION AND RECONNECTION OF 25 FIRE ALARM DETECTION DEVICE CONNECTIONS
 - RELOCATION AND RECONNECT OF 10 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 PANELS PPJJ, PPHH AND LPF
 - INCLUDE AN ADDITIONAL ALLOWANCE OF 2 JOURNEYMAN + REQUIRED SUPERVISION FOR 10 DAYS CONTINGENCY AND UNFORESEEN.
- 4 INDICATED FIXTURES HAVE RECENTLY BEEN UPGRADED TO TYPE B LED BULBS. ELECTRICAL CONTRACTOR TO HAND OVER BULBS TO SCHOOL BOARD FOR FUTURE USE. ELECTRICAL CONTRACTOR IS TO INCLUDE FOR DISPOSAL IN TENDER PRICE IF BOARD DOES NOT REQUIRE THE BULBS.
- 5 INDICATED AREA HAS DOUBLE CEILING AND LIGHTING ABOVE CURRENT T-BAR CEILING. CONTRACTOR TO INCLUDE TO REMOVED BOTH CEILINGS AND ALL CEILING DEVICES AS APART OF THE DEMOLITION.
- 6 INDICATES MECHANICAL UNIT BEING REMOVED BY MECHANICAL CONTRACTOR. THIS CONTRACTOR IS TO DISCONNECT AND REMOVE FEEDER BACK TO SOURCE. DISCONNECT AND REMOVE ALL CONTROL DEVICES. LABEL SOURCE BREAKER AS SPARE.
- 7 NOTE NOT USED.
- 8 INDICATED FIXTURE IS TO BE DISCONNECTED AND REMOVED COMPLETE. MAINTAIN EXISTING WIRING FOR RECONNECTION TO NEW FIXTURES DURING RENOVATION.
- 9 EXISTING LIGHTING AND CONTROLS ARE TO BE DISCONNECTED AND REMOVED. MAINTAIN EXISTING CIRCUIT FOR RECONNECTION TO NEW BOOTH LIGHTING AND CONTROLS.



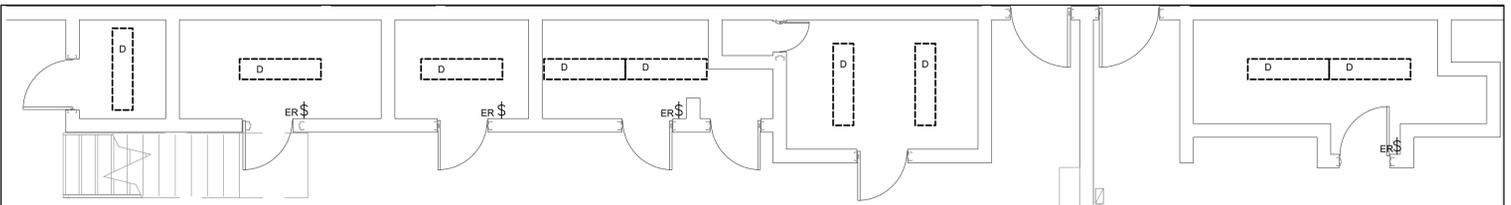
PARTIAL LIGHTING DEMOLITION PLANS
 SCALE: 1:100



PARTIAL POWER AND SYSTEMS DEMOLITION PLANS
 SCALE: 1:100



B-ENLARGED WELDING BOOTHS - DEMOLITION
 SCALE: 1:100



A-PARTIAL ENLARGED SHOP LOWER ROOMS - DEMOLITION PLAN
 SCALE: 1:100

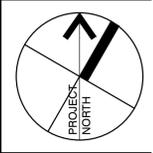
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**MARTIN
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PROJECT
**SOUTHWOOD S.S.
RAAC PHASE 1**
30 SOUTHWOOD DR., CAMBRIDGE, ON

DRAWING

**RENOVATION
PLANS**

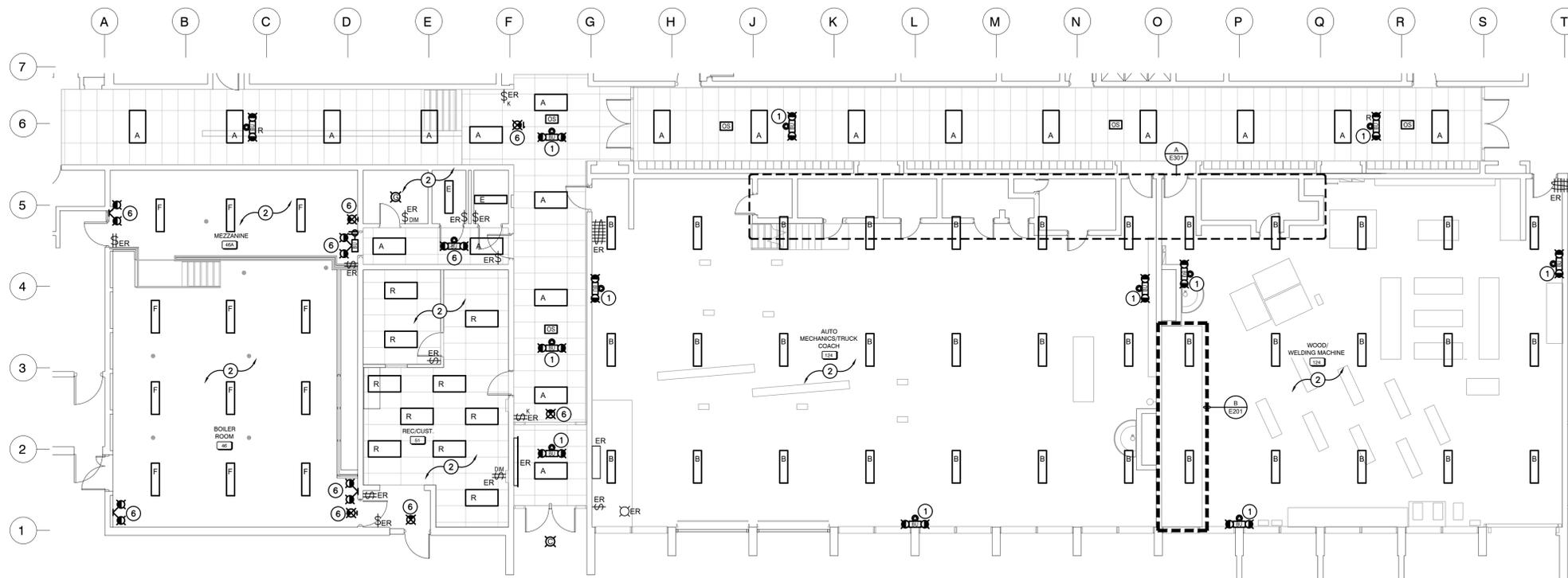
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DATE: March 11, 2026
SCALE: AS NOTED
DRAWING Nº: **E301**
PROJECT Nº: 25046

GENERAL RENOVATION UNIT NOTES

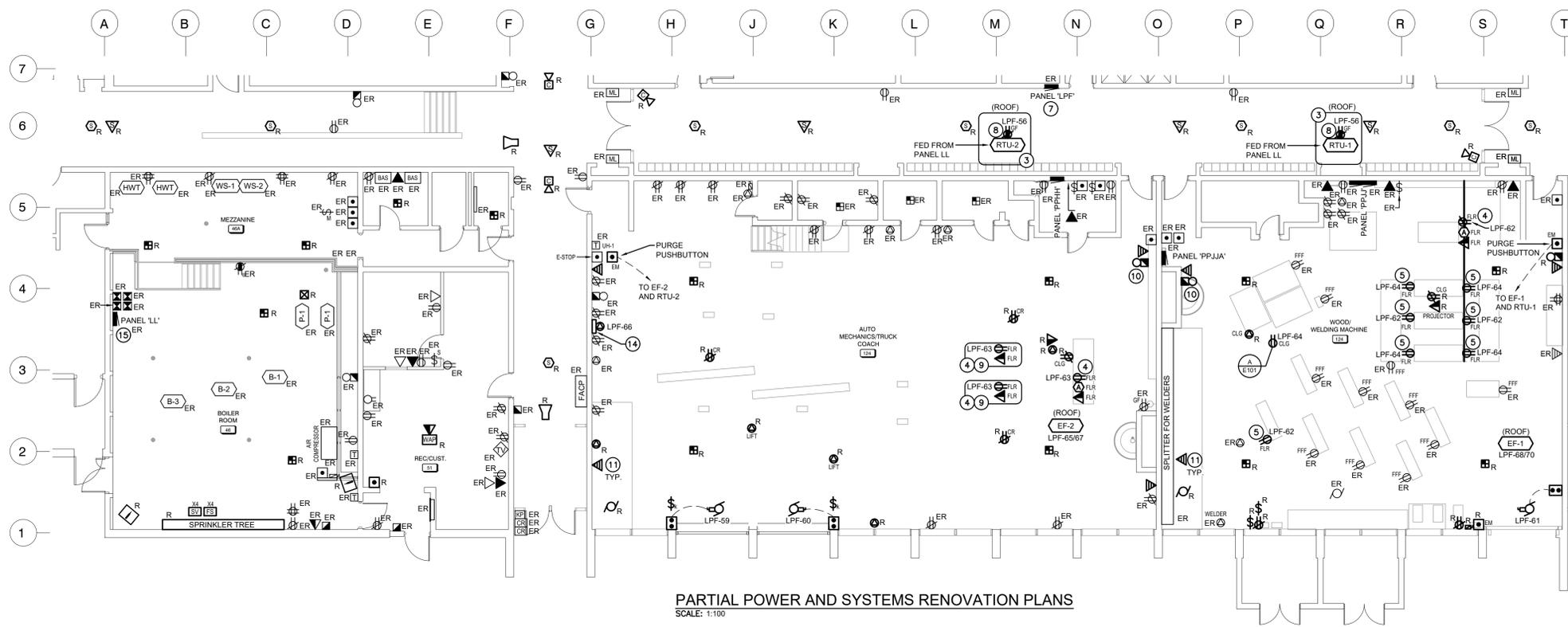
- 'ER' INDICATES EXISTING ITEM TO REMAIN.
- 'R' INDICATES EXISTING ITEM IN RELOCATED POSITION.
- ALL DEVICES SHOWN ARE NEW UNLESS OTHERWISE NOTED.
- EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS OTHERWISE NOTED.
- MAINTAIN SERVICE TO ALL EXISTING DEVICES TO REMAIN.
- REVISE PANEL DIRECTORIES TO SUIT CHANGES (TYPED).

SPECIFIC RENOVATION NOTES

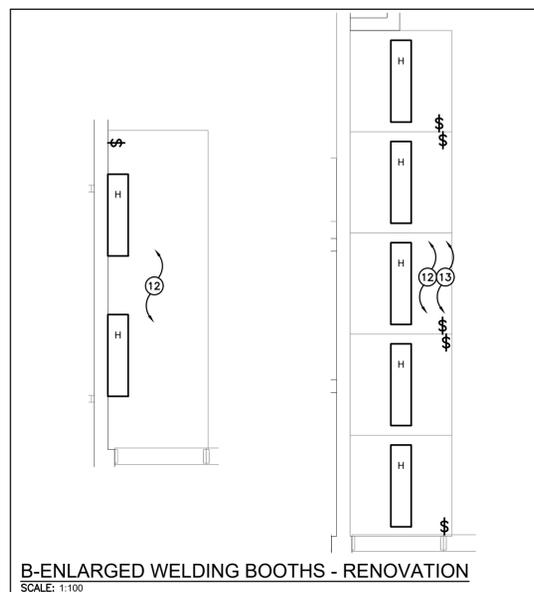
- CONNECTED INDICATED FIXTURE TO THE UNSWITCHED SIDE OF THE LOCAL LIGHTING CIRCUIT.
- LIGHT FIXTURE(S) WITHIN INDICATED AREAS ARE TO BE RE-FED FROM SOURCE PANEL USING NEW CONDUIT, WIRE AND CONTROLLED AS SHOWN. ALL FEEDS ARE TO BE INSTALLED AS PER SPECIFICATIONS.
- INDICATES NEW MECHANICAL ROOFTOP UNIT. REWORK ANY EXISTING CONDUITS OR FEEDERS BELOW NEW OPENING TO ALLOW FOR DUCTWORK INSTALLATION. PROVIDE NEW FEED AS SHOWN.
- INDICATES FLOOR OUTLET FOR TEACHER STATION. PROVIDE FLOOR-MOUNTED BOX COMPLETE WITH RECEPTACLE, DATA, AND HDMI ROUGH-INS. PROVIDE SEPARATE CONDUITS FOR POWER AND LOW-VOLTAGE SYSTEMS. LOW-VOLTAGE ROUGH-IN TO INCLUDE 4" SQUARE TWO-GANG BACKBOX WITH EXTENSION RING AND 2-53mm (2") CONDUITS TO ACCESSIBLE CEILING SPACE. COORDINATE EXACT LOCATION ON SITE. ALL FEEDS ARE TO BE WITHIN FLOOR TRENCH. ELECTRICAL CONTRACTOR TO PROVIDE SCANNING AND X-RAY OF FLOOR PRIOR TO TRENCHING PER SPECIFICATION.
- INDICATES SURFACE-MOUNTED RECEPTACLE TO BE INSTALLED AT LEG OF EACH BENCH. RECEPTACLE SHALL BE INSTALLED IN A SURFACE-MOUNTED METAL UTILITY BOX, COMPLETE WITH COVER PLATE, FLEXIBLE CONDUIT, AND ALL ASSOCIATED WIRING AND CONNECTIONS. SIMILAR TO EXISTING. ALL FEEDS ARE TO BE WITHIN FLOOR TRENCH. ELECTRICAL CONTRACTOR TO PROVIDE SCANNING AND X-RAY OF FLOOR PRIOR TO TRENCHING PER SPECIFICATION.
- CONNECT INDICATED DEVICE TO EXISTING EXIT/EMERGENCY CIRCUIT MADE AVAILABLE DURING DEMOLITION.
- INDICATES EXISTING RECESSED PANEL 'LPP' (SQUARE D NQ) TO BE USED FOR NEW FEEDS. REFER TO PANEL SCHEDULES FOR ADDITIONAL INFORMATION.
- 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 ±38" (90mm) ABOVE FINISHED ROOF LEVEL.
- INDICATED DEVICES ARE TO BE FLOOR MOUNTED TO SERVICE THE STUDENT DESKS. CONFIRM EXACT LOCATION ON SITE WITH OWNERS REPRESENTATIVE PRIOR TO ROUGH-IN.
- CONNECT INDICATED F.A. BELLS TO EXISTING SIGNAL CIRCUIT.
- CONTRACTOR TO PROVIDE ROUGH-INS FOR NEW PA SPEAKERS C/W CONDUIT BACK TO CORRIDOR CABLE MANAGEMENT SYSTEM.
- CONNECT LIGHTING AND CONTROLS WITHIN BOOTHS TO WIRING MADE AVAILABLE DURING DEMOLITION.
- EACH BOOTH IS REQUIRED TO HAVE 1 TYPE 'H' FIXTURE. CONFIRM EXACT SITE REQUIREMENTS PRIOR TO ORDERING.
- INDICATES NEW GAS DETECTION PANEL INSTALLED BY MECHANICAL TRADE. INTERLOCK TO EF-2 AND RTU-2.
- WITHIN EXISTING 600V 200A PANEL 'LL' (SQUARE D NF SERIES.) PROVIDE TWO 15A-3P BREAKERS WITH A 25 kAIC RATING TO MATCH EXISTING BREAKERS TO FEED NEW ROOF TOP UNITS. UPDATE PANEL LABELLING TO SUIT.



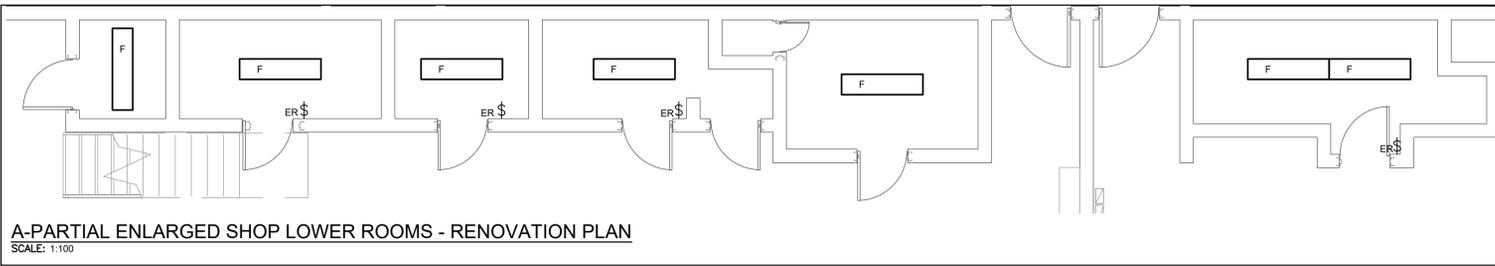
PARTIAL LIGHTING RENOVATION PLANS
SCALE: 1:100



PARTIAL POWER AND SYSTEMS RENOVATION PLANS
SCALE: 1:100



B-ENLARGED WELDING BOOTHS - RENOVATION
SCALE: 1:100



A-PARTIAL ENLARGED SHOP LOWER ROOMS - RENOVATION PLAN
SCALE: 1:100