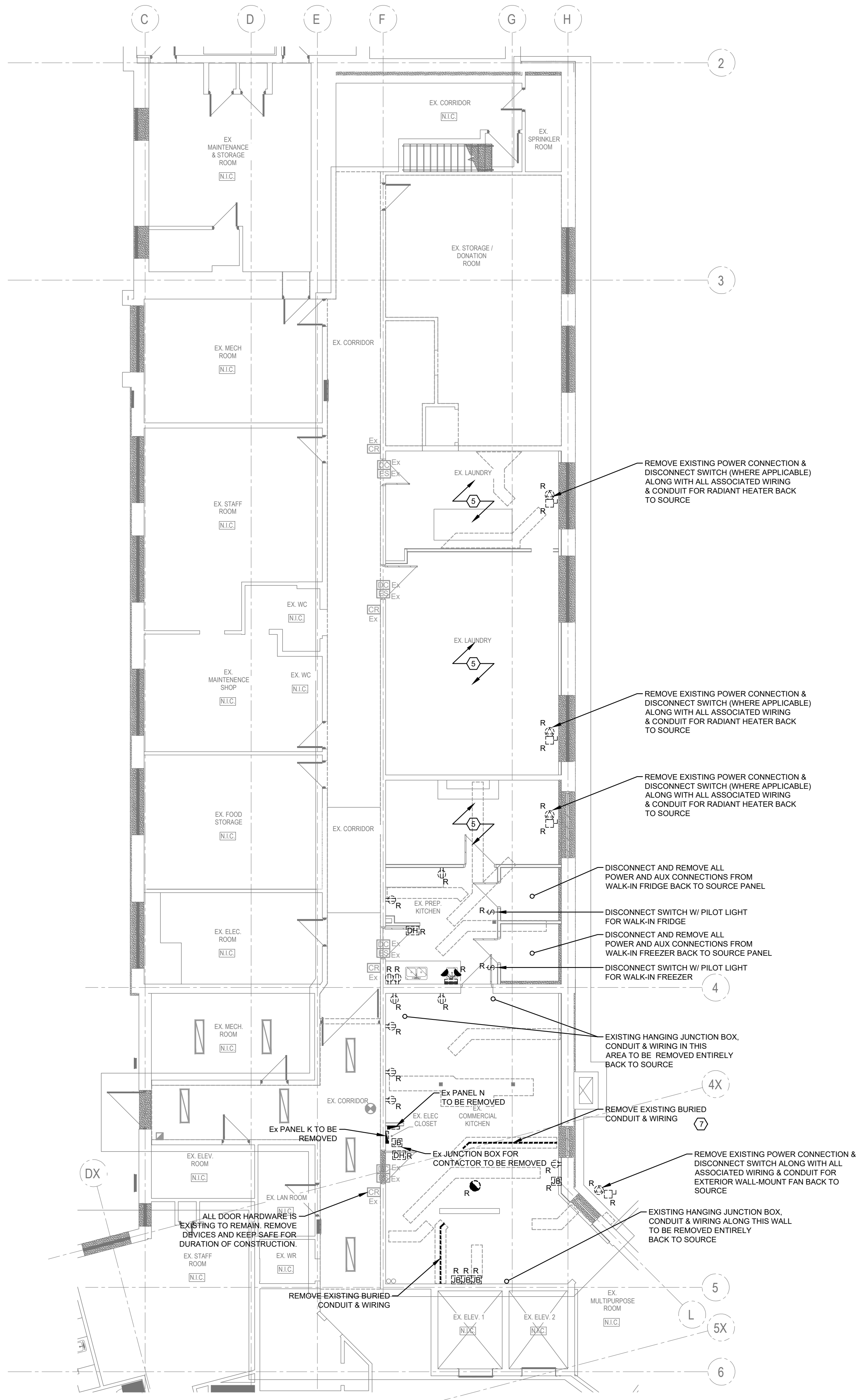




1 FIRST FLOOR - DEMOLITION PLAN
ED-201 SCALE: 1:100

- DRAWING NOTES**
- THIS DRAWING IS TO BE USED AS DIAGRAMMATIC PURPOSES ONLY. NOT ALL EXISTING DEVICES MAY BE SHOWN. CONTRACTOR SHALL CONFIRM QUANTITY AND LOCATION OF ALL ELECTRIC DEVICES AND EQUIPMENT ON SITE PRIOR TO COMMENCING WORK. ALL ELECTRICAL DEVICES AND EQUIPMENT ARE TO REMAIN, UNLESS OTHERWISE NOTED.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ANY OTHER DISCIPLINES' DRAWINGS.
 - PROVIDE ELECTRICAL DEMOLITION AS REQUIRED TO ACCOMPLISH THE ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ANY OTHER DISCIPLINES' SCOPES OF WORK.
 - FOR ANY ELECTRICAL DEVICES, JUNCTION BOXES AND ROUGH-INS THAT ARE RECESSED INTO BLOCK WALL, CEILING OR FLOOR, CONTRACTOR TO REMOVE DEVICE, JUNCTION BOX AND ROUGH-IN ENTIRELY, REMOVE THE WIRING AND CONDUIT BACK TO SOURCE. PANELS AND PATCH/REPAIR THE WALL WITH APPROPRIATE MATERIAL. REFER TO THE ARCHITECTURAL DRAWINGS FOR PATCH & REPAIR OF EXISTING WALLS SCOPE OF WORK.
 - FIRST FLOOR DEMOLITION SCOPE. NOT ALL EXISTING DEVICES, SYSTEMS, WIRING & CONDUIT ARE SHOWN. UNLESS OTHERWISE NOTED:**
POWER: REMOVE ALL POWER CONNECTIONS, RECEPTACLES, DEVICES AND ALL ASSOCIATED WIRING AND CONDUIT BACK TO SOURCE PANEL. UPON REMOVAL OF ANY WIRING PENETRATING WALLS, SEAL ANY PENETRATIONS WITH APPROPRIATE FIRE STOP & MATERIAL.
LIGHTING: REMOVE ALL EXISTING LIGHT FIXTURES WITH ALL ASSOCIATED WIRING & CONDUIT BACK TO SOURCE PANEL. REMOVE ALL EXISTING EMERGENCY LIGHTING FIXTURES & DEVICES BACK TO SOURCE PANEL.
FIRE ALARM: REMOVE ALL FIRE ALARM DEVICES, SENSORS AND CONNECTIONS BACK TO SOURCE AND REMOVE ALL ASSOCIATED WIRING, INTERLOCKS, CONNECTIONS AND CONDUITS. FIRE ALARM DEVICES IN THE CORRIDOR ARE EXISTING TO REMAIN.
SECURITY: SECURITY DEVICES WITHIN AND IN THE VICINITY OF THE SCOPE OF WORK AREA ARE EXISTING TO REMAIN. ENSURE ALL DEVICES ARE ADEQUATELY PROTECTED FROM CONSTRUCTION ACTIVITIES.
COMMUNICATIONS/AV: REMOVE ALL DEVICES WITHIN THE SCOPE OF WORK AREA, AND ALL ASSOCIATED WIRING/CONDUIT BACK TO SOURCE SYSTEM.
 - BREAKERS AND/OR DISCONNECT SWITCHES FEEDING SERVICES, DEVICES AND EQUIPMENT THAT HAVE BEEN REMOVED BACK TO PANEL ARE TO BE DESIGNATED AS SPARE.
 - CONTRACTOR TO ALLOW FOR TRENCHING WORK TO REMOVE EXTENT OF ALL BURIED CONDUIT & WIRING IN SCOPE OF WORK SPACE.
 - FOR ANY REMOVED WIRING AND CONDUIT THAT HAD BEEN PENETRATING THROUGH WALLS, CEILINGS AND FLOORS, CONTRACTOR TO APPROPRIATELY SEAL PENETRATION WITH SEALANT SUITABLE TO MAINTAIN FIRE RATING. REFER TO ARCHITECTURAL DRAWING SET FOR FIRE RATINGS OF EACH WALL & SPACE.

DESIGN BY:	SJ
DRAWN BY:	CW
CHECKED BY:	JP
APPROVED BY:	SJ
SCALE:	AS SHOWN
DATE:	JUNE 2025
CONSULTANT PROJECT NO.	2025-0012.01

ISSUE DATE:		
4	2025-09-18	IFT
3	2025-07-14	ISSUED FOR PERMIT
2	2025-07-10	ISSUED FOR PERMIT REVIEW
1	2025-06-02	ISSUED FOR REVIEW

NO.	DATE	DESCRIPTION
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**THE REGIONAL
MUNICIPALITY OF
DURHAM**

**WORKS DEPARTMENT
DESIGN, CONSTRUCTION &
ASSET MANAGEMENT**

PROJECT:
PHASE 2 RENOVATIONS

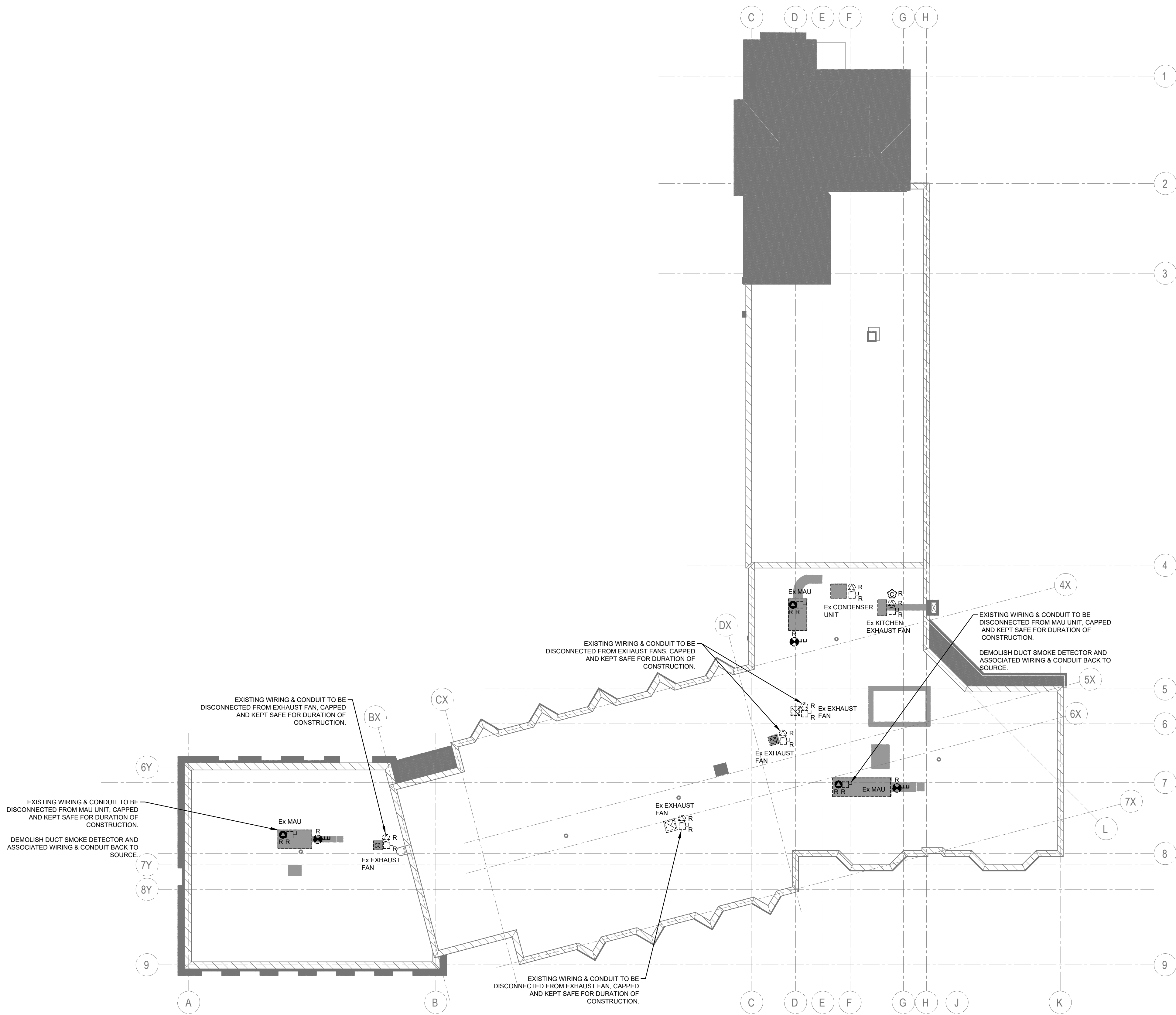
1635 DUNDAS STREET EAST
WHITBY, ONTARIO

SHEET TITLE:

**FIRST FLOOR -
DEMOLITION PLAN**

PROPERTY NO. RP-W-42	FACILITY CODE SS-W-02
FACILITIES PROJECT NO. SS-W-02-23-01	CONTRACT NO. RFP-1048-2025

SHEET NO.



1 ROOF - DEMOLITION PLAN
ED-202 SCALE: 1/200

DRAWING NOTES

1. THIS DRAWING IS TO BE USED AS DIAGRAMMATIC PURPOSES ONLY. NOT ALL EXISTING DEVICES MAY BE SHOWN. CONTRACTOR SHALL CONFIRM QUANTITY AND LOCATION OF ALL ELECTRIC DEVICES AND EQUIPMENT ON SITE PRIOR TO COMMENCING WORK. ALL ELECTRICAL DEVICES AND EQUIPMENT ARE TO REMAIN, UNLESS OTHERWISE NOTED.

2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ANY OTHER DISCIPLINES' DRAWINGS.

3. PROVIDE ELECTRICAL DEMOLITION AS REQUIRED TO ACCOMPLISH THE ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ANY OTHER DISCIPLINES' SCOPES OF WORK.

4. ROOF DEMOLITION SCOPE, UNLESS OTHERWISE NOTED:

POWER: REMOVE ALL POWER CONNECTIONS, RECEPTACLES, DEVICES AND ALL ASSOCIATED WIRING AND CONDUIT BACK TO SOURCE PANEL.

FIRE ALARM: REMOVE ALL FIRE ALARM SENSORS, DEVICES AND CONNECTIONS BACK TO SOURCE AND REMOVE ALL ASSOCIATED WIRING, INTERLOCKS, CONNECTIONS AND CONDUITS.

5. FOR ANY REMOVED WIRING AND CONDUIT THAT HAD BEEN PENETRATING THROUGH WALLS, CEILINGS AND FLOORS, CONTRACTOR TO APPROPRIATELY SEAL PENETRATION WITH SEALANT SUITABLE TO MAINTAIN FIRE RATING. REFER TO ARCHITECTURAL DRAWINGS FOR INFORMATION OF FIRE RATING.

THE HIDI GROUP

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DESIGN BY:	SJ
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THE REGIONAL
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DESIGN, CONSTRUCTION &
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PROJECT:
PHASE 2 RENOVATIONS

1635 DUNDAS STREET EAST
WHITBY, ONTARIO

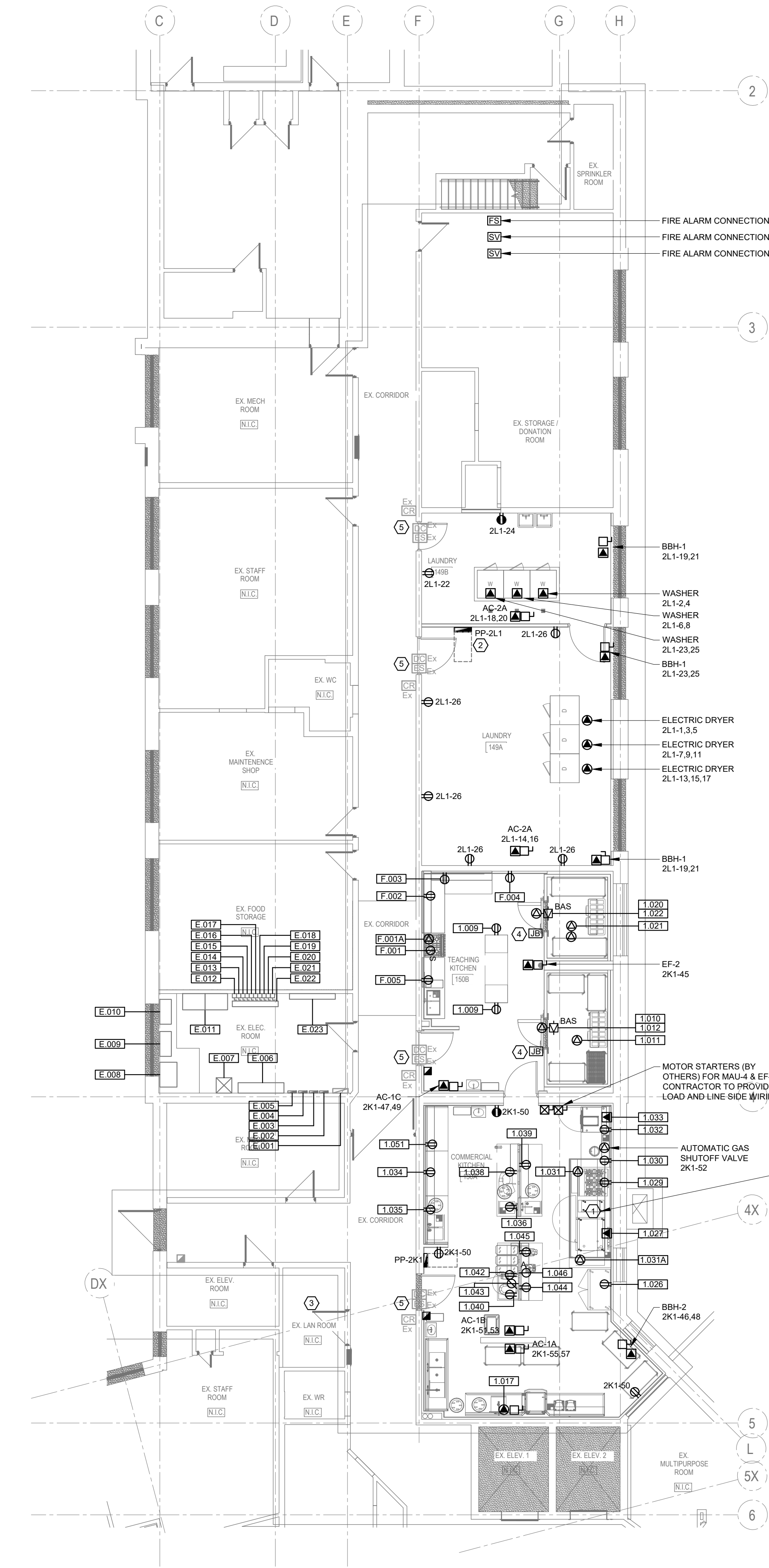
SHEET TITLE:

ROOF -
DEMOLITION PLAN

PROPERTY NO. RP-W-42	FACILITY CODE SS-W-02
FACILITIES PROJECT NO. SS-W-02-23-01	CONTRACT NO. RFP-1048-2025

SHEET NO.

ED-202



1 FIRST FLOOR - POWER AND SYSTEMS PLAN
E-301 SCALE: 1:100

KITCHEN EQUIPMENT SCHEDULE									
ITEM NO.	QTY.	DESCRIPTION	ELECTRICAL						
			AMPS	VOLTS	PHASE	CONNECTION TYPE	BREAKER	WIRE SIZE	ELECTRICAL REMARKS
1.000	2	HAND SINK							
1.000A	3	WASTE BIN, SLIM JIM							
1.000B	1	HAND SINK W/EMERGENCY EYEWASH							
1.001	2	SHELVING, MOBILE							
1.002	1	SHELVING, MOBILE							
1.003	3	SHELVING, MOBILE							
1.004	5	DUNNAGE RACK							
1.009	1	S.S. ISLAND	12 A	120	1	RECEPTACLE	15A-1P	2#12AWG (CU) + GND IN 21 mmC	1 PROVIDE NEMA 5-15R RECEPT
1.010	1	WALK-IN COOLER	2 A	120	1	DIRECT	15A-1P	2#12AWG (CU) + GND IN 21 mmC	3 PROVIDE DATA FOR BAS SYSTEM
1.011	1	EVAPORATOR COIL	1.00 A	120	1	DIRECT	15A-1P	2#12AWG (CU) + GND IN 21 mmC	5
1.012	1	TEMPERATURE ALARM							POWER FROM 1.010. CONN TO B.A.S. BY CONTROLS DIV.
1.013	1	CONDENSING UNIT	6.20 A	208	3	DIRECT	15A-3P	4#12AWG (CU) + GND IN 21 mmC	2.4,6 REFER TO DRAWING E-302 FOR CONNECTION LOCATION
1.015	1	S.S. DISHTABLE W/ THREE SINKS							
1.015A	1	SMART WALL SHELVING							
1.015B	1	S.S. DISHROOM PANEL							
1.016	1	S.S. SOILED DISHTABLE W/ SINK							
1.016A	1	S.S. SORTING SHELF, WALL MOUNT							
1.017	1	DISHWASHER, DOOR TYPE, HIGH TEMP VENTLESS	52.5 A	208	3	DIRECT	70A-3P	4#4AWG (CU) + GND IN 27 mmC	8,10,12
1.017A	1	S.S. DISHROOM PANEL							
1.018	1	S.S. CLEAN DISHTABLE							
1.018A	1	S.S. WALL SHELVING							
1.020	1	WALK-IN FREEZER	3.00 A	120	1	DIRECT	15A-1P	2#12AWG (CU) + GND IN 21 mmC	7 PROVIDE DATA FOR BAS SYSTEM
1.021	1	EVAPORATOR COIL	10.10 A	208	1	DIRECT	15A-2P	3#12AWG (CU) + GND IN 21 mmC	9,11 ADD'L 120V/160 11.7A REQ'D FOR DRAIN LINE HEATER
1.022	1	TEMPERATURE ALARM							POWER FROM 1.020. CONN TO B.A.S. BY CONTROLS DIV.
1.023	1	CONDENSING UNIT	11.00 A	208	3	DIRECT	15A-3P	4#12AWG (CU) + GND IN 21 mmC	14,16,18 REFER TO DRAWING E-302 FOR CONNECTION LOCATION
1.025	4	DRYING RACK, MOBILE							
1.026	1	REACH-IN DUAL TEMP REFRIGERATOR/FREEZER	6.4A	120	1	RECEPTACLE	15A-1P	2#12AWG (CU) + GND IN 21 mmC	59 PROVIDE NEMA 5-15R RECEPT
1.027	1	COMBI OVEN, GAS	3.8 A	208	1		15A-2P	3#12AWG (CU) + GND IN 21 mmC	13,15 PROVIDE NEMA 6-15R RECEPT. PROVIDE SHUNT TRIP BREAKER.
1.027A	1	WATER FILTER							
1.028	1	FRYER, GAS							
1.029	1	RANGE WITH CONVECTION OVEN, GAS	0.6 A	120	1	RECEPTACLE	15A-1P	2#12AWG (CU) + GND IN 21 mmC	17 PROVIDE NEMA 5-15R RECEPT. PROVIDE SHUNT TRIP BREAKER.
1.030	1	COUNTERTOP SOUP WARMER	7 A	120	1	RECEPTACLE	15A-1P	2#12AWG (CU) + GND IN 21 mmC	23 PROVIDE NEMA 5-15R RECEPT. PROVIDE SHUNT TRIP BREAKER.
1.031	1	EXHAUST HOOD	15 A	120	1	DIRECT	20A-1P	2#12AWG (CU) + GND IN 21 mmC	19 PROVIDE FIRE ALARM START UP CONNECTION
1.031A	1	FIRE SUPPRESSION CABINET	1 A	120	1	DIRECT	15A-1P	2#12AWG (CU) + GND IN 21 mmC	20
1.031B	1	S.S. WALL PANEL HOOD							
1.032	1	S.S. PREP TABLE	12 A	120	1	RECEPTACLE	15A-1P	2#12AWG (CU) + GND IN 21 mmC	21 PROVIDE NEMA 5-15R RECEPT
1.032A	1	S.S. WALL MOUNT SHELVING							
1.033	1	BLAST CHILLER	8.68 A	208	1		15A-2P	3#12AWG (CU) + GND IN 21 mmC	22,24 PROVIDE NEMA 6-15R RECEPT
1.034	1	S.S. PREP TABLE	12 A	120	1	RECEPTACLE	15A-1P	2#12AWG (CU) + GND IN 21 mmC	25 PROVIDE NEMA 5-15R RECEPT
1.034A	1	S.S. WALL MOUNT SHELVING							
1.035	1	S.S. TABLE W/ TWO SINKS	12 A	120	1	RECEPTACLE	15A-1P	2#12AWG (CU) + GND IN 21 mmC	26 PROVIDE NEMA 5-15R RECEPT
1.035A	1	S.S. WALL MOUNT SHELVING							
1.036	1	S.S. TABLE W/ SINK	12 A	120	1	RECEPTACLE	15A-1P	2#12AWG (CU) + GND IN 21 mmC	27 PROVIDE NEMA 5-15R RECEPT
1.036A	1	S.S. BACKSPLASH MOUNT SHELVING							
1.036B	1	S.S. CHASE							
1.037	1	CAN OPENER	5.6 A	120	1	RECEPTACLE	15A-1P	2#12AWG (CU) + GND IN 21 mmC	28 PROVIDE NEMA 5-15R RECEPT
1.038	1	SLICER	12 A	120	1	RECEPTACLE	15A-1P	2#12AWG (CU) + GND IN 21 mmC	29 PROVIDE NEMA 5-15R RECEPT
1.039	1	S.S. TABLE W/SINK							
1.039A	1	S.S. BACKSPLASH MOUNT SHELVING							
1.040	1	S.S. PREP TABLE	12 A	120	1	RECEPTACLE	15A-1P	2#12AWG (CU) + GND IN 21 mmC	30 PROVIDE NEMA 5-15R RECEPT
1.040A	1	S.S. BACKSPLASH MOUNT SHELVING							
1.040B	1	S.S. CHASE							
1.041	3	INGREDIENT BINS	5 A	120	1	RECEPTACLE	15A-1P	2#12AWG (CU) + GND IN 21 mmC	31 PROVIDE NEMA 5-15R RECEPT
1.042	1	DIGITAL SCALE	8 A	120	1	RECEPTACLE	15A-1P	2#12AWG (CU) + GND IN 21 mmC	32 PROVIDE NEMA 5-15R RECEPT
1.043	1	1/2 QUART MIXER	12 A	120	1	RECEPTACLE	15A-1P	2#12AWG (CU) + GND IN 21 mmC	33 PROVIDE NEMA 5-15R RECEPT
1.044	1	S.S. PREP TABLE							
1.044A	1	S.S. BACKSPLASH MOUNT SHELVING							
1.045	1	VEGETABLE SLICER	3 A	120	1	RECEPTACLE	15A-1P	2#12AWG (CU) + GND IN 21 mmC	34 PROVIDE NEMA 5-15R RECEPT
1.046	1	BLIXER	15 A	208	3	RECEPTACLE	20A-3P	4#12AWG (CU) + GND IN 21 mmC	35,37,39 PROVIDE NEMA L15-20R RECEPT
1.047	1	FOOD TRANSPORT CART							
1.048	8	SHELVING, MOBILE							
1.050	5	WASTE BIN W/ DOLLY							
1.051	1	S.S. PREP TABLE	12 A	120	1	RECEPTACLE	15A-1P	2#12AWG (CU) + GND IN 21 mmC	36 PROVIDE NEMA 5-15R RECEPT
1.051A	1	S.S. WALL MOUNT SHELVING							
1.052	1	SHELVING, MOBILE							

FUTURE EQUIPMENT SCHEDULE									
ITEM NO.	QTY.	DESCRIPTION	ELECTRICAL						
			AMPS	VOLTS	PHASE	CONNECTION TYPE	BREAKER	WIRE SIZE	ELECTRICAL REMARKS
F.001	1	FUTURE DOMESTIC OVEN, ELECTRIC	40 A	208	1	RECEPTACLE	50A-1P	3#6AWG (CU) + GND IN 21 mmC	38 PROVIDE NEMA 14-50R RECEPT
F.001A	1	FUTURE DOMESTIC HOOD	20 A	120	1	DIRECT	25A-1P	2#10AWG (CU) + GND IN 21 mmC	40
F.002	1	FUTURE MILLWORK BASE CABINET	12 A	120	1	RECEPTACLE	15A-1P	2#12AWG (CU) + GND IN 21 mmC	41 PROVIDE NEMA 5-15R RECEPT
F.002A	1	FUTURE MILLWORK UPPER CABINET							
F.003	1	FUTURE MILLWORK BASE CABINET	12 A	120	1	RECEPTACLE	15A-1P	2#12AWG (CU) + GND IN 21 mmC	42 PROVIDE NEMA 5-15R RECEPT
F.003A	1	FUTURE MILLWORK UPPER CABINET							
F.004	1	FUTURE OFFICE CHAIR & DESK	12 A	120	1	RECEPTACLE	15A-1P	2#12AWG (CU) + GND IN 21 mmC	43 PROVIDE NEMA 5-15R RECEPT & DATA CONNECTION
F.005	1	FUTURE MILLWORK BASE CABINET	12 A	120	1	RECEPTACLE	15A-1P	2#12AWG (CU) + GND IN 21 mmC	44 PROVIDE NEMA 5-15R RECEPT
F.005A	1	FUTURE MILLWORK UPPER CABINET							
F.005B	1	FUTURE UNDERMOUNT SINK W/FAUCET							
Φ ^A 208V NEMA L15-20P RECEPTACLE									

- ### KEY NOTES
- PROVIDE SHUNT TRIP BREAKERS FOR ALL KITCHEN EQUIPMENT LOCATED UNDER THE EXHAUST HOOD. SHUNT TRIP BREAKER TO DE-ENERGIZE ALL KITCHEN EQUIPMENT UNDER THE EXHAUST HOOD IN CASE OF ACTIVATION OF FIRE SUPPRESSION SYSTEM.
 - PANEL TO FEED NEW LAUNDRY UNITS. HOWEVER, THIS PANEL IS TO REMAIN UNCONNECTED UPSTREAM. PANEL TO BE FED FROM FUTURE UPSTREAM DISTRIBUTION EQUIPMENT.
 - ALL CONDUITS ASSOCIATED WITH BAS CONNECTIONS TO BE RUN TO THIS ROOM. THIS CONTRACTOR TO PROVIDE EMPTY CONDUIT & PULL STRING. BAS WIRING WORK TO BE DONE BY OTHERS.
 - PROVIDE JUNCTION BOXES LOCATED IN CEILING SPACE AND SPLICE FEED FOR WALK-IN COOLER POWER & WALK-IN FREEZER POWER. ENSURE WIRING IS ACCESSIBLE, SUCH TO RE-FEED BOTH UNITS FROM DIFFERENT SOURCE IN FUTURE.
 - EXISTING DOOR HARDWARE TO BE REINSTATED AND PROGRAMMED WITH EXISTING BUILDING SECURITY SYSTEM SUCH TO ALLOW FOR A FULLY FUNCTIONAL SYSTEM.

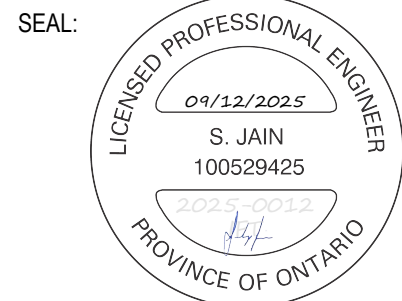
- ### DRAWING NOTES
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ALL OTHER CONSULTANT DRAWINGS AND DOCUMENTS.
 - REFER TO ARCHITECTURAL & KITCHEN CONSULTANT DRAWINGS AND ELEVATIONS FOR FINAL DEVICE LOCATION AND MOUNTING HEIGHTS. IF NOT INDICATED, CONFIRM WITH ARCHITECT & KITCHEN CONSULTANT.
 - THE KITCHEN AREA FLOOR PLANS SHALL BE READ IN CONJUNCTION WITH THE KITCHEN EQUIPMENT SCHEDULE TO DETERMINE APPROPRIATE ROUGH-IN REQUIREMENTS.
 - THIS BUILDING UTILIZES A PRECAST HOLLOW-CORE CONCRETE SLAB. COORDINATE ALL HORIZONTAL CONDUIT RUNS AND CEILING PENETRATIONS WITH THE SLAB MANUFACTURER PRIOR TO ROUGH-IN. UNLESS ALLOWED OTHERWISE IN THE SPECIFICATIONS, ALL CONDUITS SHALL BE CONCEALED.
 - FOR POWER REQUIRED AT TEACHING & COMMERCIAL KITCHEN ISLANDS, WIRING AND CONDUIT TO BE TRENCHED BELOW SLAB USING MOST FEASIBLE PATH TO ISLANDS.
 - REFER TO ARCHITECTURAL AND KITCHEN ELEVATION DRAWINGS FOR ALL MOUNTING HEIGHTS AND FINAL LOCATIONS OF CONNECTIONS.

ELECTRICAL ROOM SCHEDULE		
EQUIPMENT NO.	DESCRIPTION	SCOPE
E.001	Ex. FIRE ALARM CONTROL PANEL	Ex. TO REMAIN
E.002	Ex. PANEL EM, 225A, 120/208V, 3ø, 4W	Ex. TO REMAIN
E.003	Ex. PANEL L, 225A, 120/208V, 3ø, 4W	Ex. TO REMAIN
E.004	Ex. PANEL J, 225A, 120/208V, 3ø, 4W	Ex. TO REMAIN
E.005	Ex. PANEL C, 225A, 120/208V, 3ø, 4W	Ex. TO REMAIN
E.006	Ex. UNNAMED SWITCHBOARD, 600A, 120/208V, 3ø, 4W	Ex. TO REMAIN
E.007	Ex. UNNAMED TRANSFORMER, 225kVA, 600V-120/208V, 3ø	Ex. TO REMAIN
E.008	Ex. AUTOMATIC TRANSFER SWITCH, 400A, 600/347V, 3-POLE, 4W	Ex. TO REMAIN
E.009	Ex. HYDRO METERING CABINET	Ex. TO REMAIN
E.010	Ex. MAIN DISCONNECT SWITCH, 400A, 347/600V, 3ø, 4W	Ex. TO REMAIN
E.011	Ex. MAIN DISTRIBUTION SWITCHBOARD, 400A, 347/600V, 3ø, 4W	Ex. TO REMAIN
E.012	Ex. DISCONNECT SWITCH FOR ELEVATOR 1, 60A, 600V, 3ø	Ex. TO REMAIN
E.013	Ex. DISCONNECT SWITCH FOR ELEVATOR 2, 60A, 600V, 3ø	Ex. TO REMAIN
E.014	Ex. DISCONNECT SWITCH FOR VILLA, 30A, 600V, 3ø	Ex. TO REMAIN
E.015	Ex. DISCONNECT SWITCH FOR MAKE UP AIR #2, 30A, 600V, 3ø	Ex. TO REMAIN
E.016	Ex. DISCONNECT SWITCH FOR MAKE UP AIR #3, 30A, 600V, 3ø	Ex. TO REMAIN
E.017	Ex. DISCONNECT SWITCH FOR KITCHEN FAN EF-21, 30A, 600V, 3ø	Ex. TO REMAIN
E.018	Ex. DISCONNECT SWITCH FOR WASHROOM FAN EF-7, 30A, 600V, 3ø	Ex. TO REMAIN
E.019	Ex. DISCONNECT SWITCH FOR SOUTH EAST AIR UNIT, 30A, 600V, 3ø	Ex. TO REMAIN
E.020	Ex. DISCONNECT SWITCH FOR WEST AIR UNIT, 30A, 600V, 3ø	Ex. TO REMAIN
E.021	Ex. DISCONNECT SWITCH FOR NORTH EAST AIR UNIT, 30A, 600V, 3ø	Ex. TO REMAIN
E.022	Ex. MECH SPLITTER, 225A, 600V, 3ø	Ex. TO REMAIN
E.023	Ex. COMMUNICATIONS EQUIPMENT	Ex. TO REMAIN

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PROJECT:
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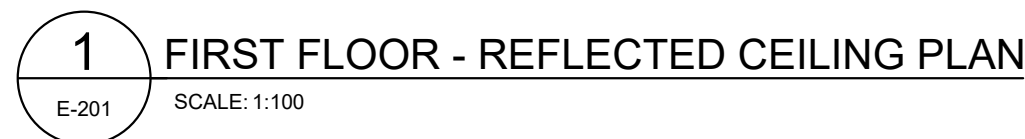
1635 DUNDAS STREET EAST
WHITBY, ONTARIO

SHEET TITLE:

FIRST FLOOR - POWER AND SYSTEMS PLAN

PROPERTY NO. RP-W-42	FACILITY CODE SS-W-02
FACILITIES PROJECT NO. SS-W-02-23-01	CONTRACT NO. RFP-1048-2025

SHEET NO.



1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, STRUCTURAL MECHANICAL AND ALL OTHER CONSULTANT DRAWINGS AND DOCUMENTS.
2. REFER TO ARCHITECTURAL & KITCHEN CONSULTANT DRAWINGS AND ELEVATIONS FOR FINAL DEVICE LOCATION, IF NOT INDICATED, CONFIRM WITH ARCHITECT & KITCHEN CONSULTANT PRIOR TO ROUGH-IN.
3. HATCHED FIXTURES ARE INTENDED TO REMAIN ALWAYS ON.
4. EXIT SIGNS TO BE FED USING EXISTING NEARBY EXIT SIGN CIRCUIT. PROVIDE NEW WIRING, CONDUIT & JUNCTION BOXES TO EXTEND FEED TO NEW SIGN AS REQUIRED.

BATTERY UNIT SCHEDULE							
ID	DC VOLTAGE	AC VOLTAGE	CAPACITY	RUNTIME	CONNECTED LOADS	LOCATION	REMARKS
BU-1	24V	120V	136W	120 MIN	20W	TEACHING KITCHEN	PROVIDE REMOTE HEADS AS SHOWN
BU-2	24V	120V	136W	120 MIN	30W	COMMERCIAL KITCHEN	PROVIDE REMOTE HEADS AS SHOWN

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**WORKS DEPARTMENT
DESIGN, CONSTRUCTION &
ASSET MANAGEMENT**

PROJECT:
PHASE 2 RENOVATIONS

1635 DUNDAS STREET EAST
WHITBY, ONTARIO

SHEET TITLE:

FIRST FLOOR - REFLECTED CEILING PLAN

PROPERTY NO. RP-W-42	FACILITY CODE SS-W-02
FACILITIES PROJECT NO. SS-W-02-23-01	CONTRACT NO. RFP-1048-2025

SHEET NO.

E-201

DRAWING NOTES

1.

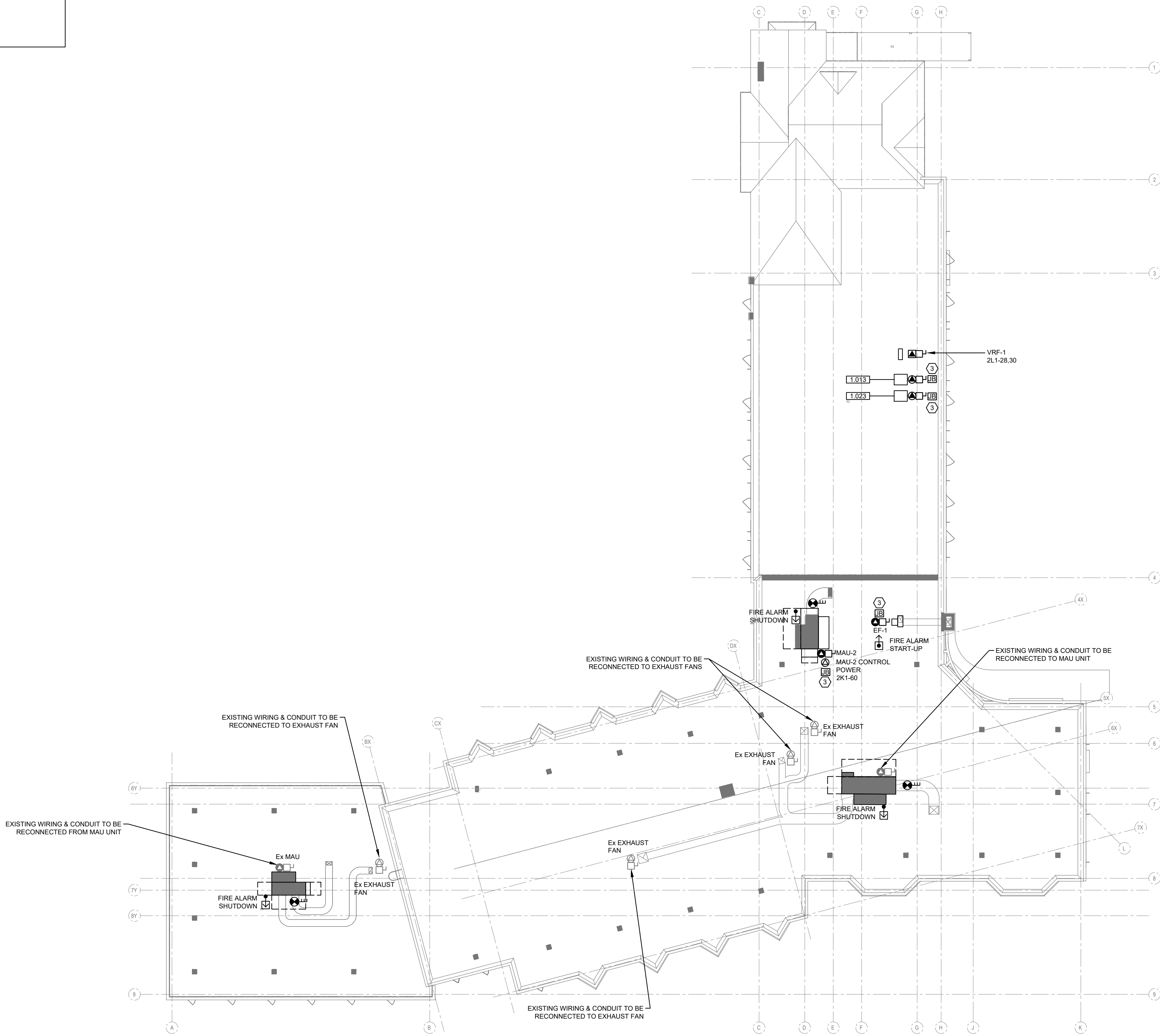
THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ALL OTHER CONSULTANT DRAWINGS AND DOCUMENTS.

2.

REFER TO MECHANICAL DRAWINGS, EQUIPMENT SUBMITTALS AND COORDINATE WITH MECHANICAL CONTRACTOR FOR FINAL CONNECTION LOCATION.

3.

PROVIDE JUNCTION BOXES LOCATED IN CEILING SPACE OF 3RD FLOOR CORRIDOR. JUNCTION BOXES TO BE UTILIZED TO SPLICE FEED FOR UNIT'S POWER. ENSURE WIRING IS ACCESSIBLE, SUCH TO ALLOW RE-FEED OF UNITS FROM DIFFERENT SOURCE IN FUTURE.



1

ROOF - POWER AND SYSTEMS PLAN

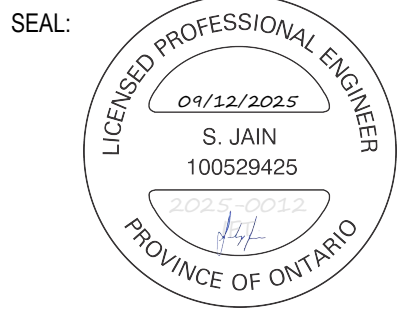
E-302

SCALE: 1:200

DESIGN BY:	SJ
DRAWN BY:	CW
CHECKED BY:	JP
APPROVED BY:	SJ
SCALE:	N/A
DATE:	JUNE 2025
CONSULTANT PROJECT NO.	2025-0012.01

ISSUE DATE:		
4	2025-09-18	IFT
3	2025-07-14	ISSUED FOR PERMIT
2	2025-07-10	ISSUED FOR PERMIT REVIEW
1	2025-06-02	ISSUED FOR REVIEW

NO.	DATE	DESCRIPTION
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THE REGIONAL
MUNICIPALITY OF
DURHAM

WORKS DEPARTMENT
DESIGN, CONSTRUCTION &
ASSET MANAGEMENT

PROJECT:
PHASE 2 RENOVATIONS

1635 DUNDAS STREET EAST
WHITBY, ONTARIO

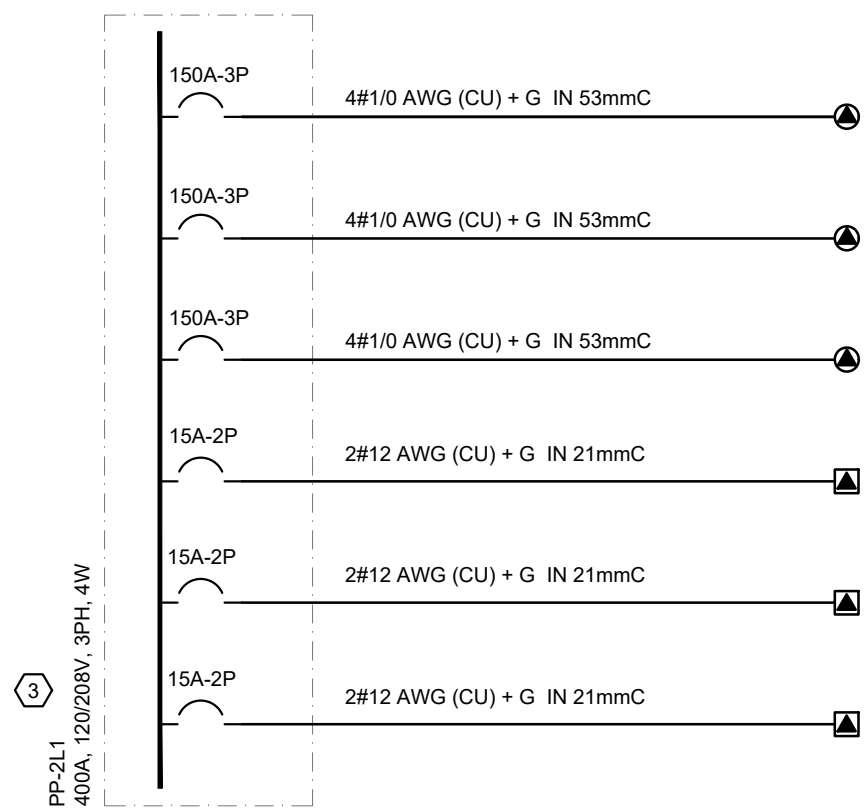
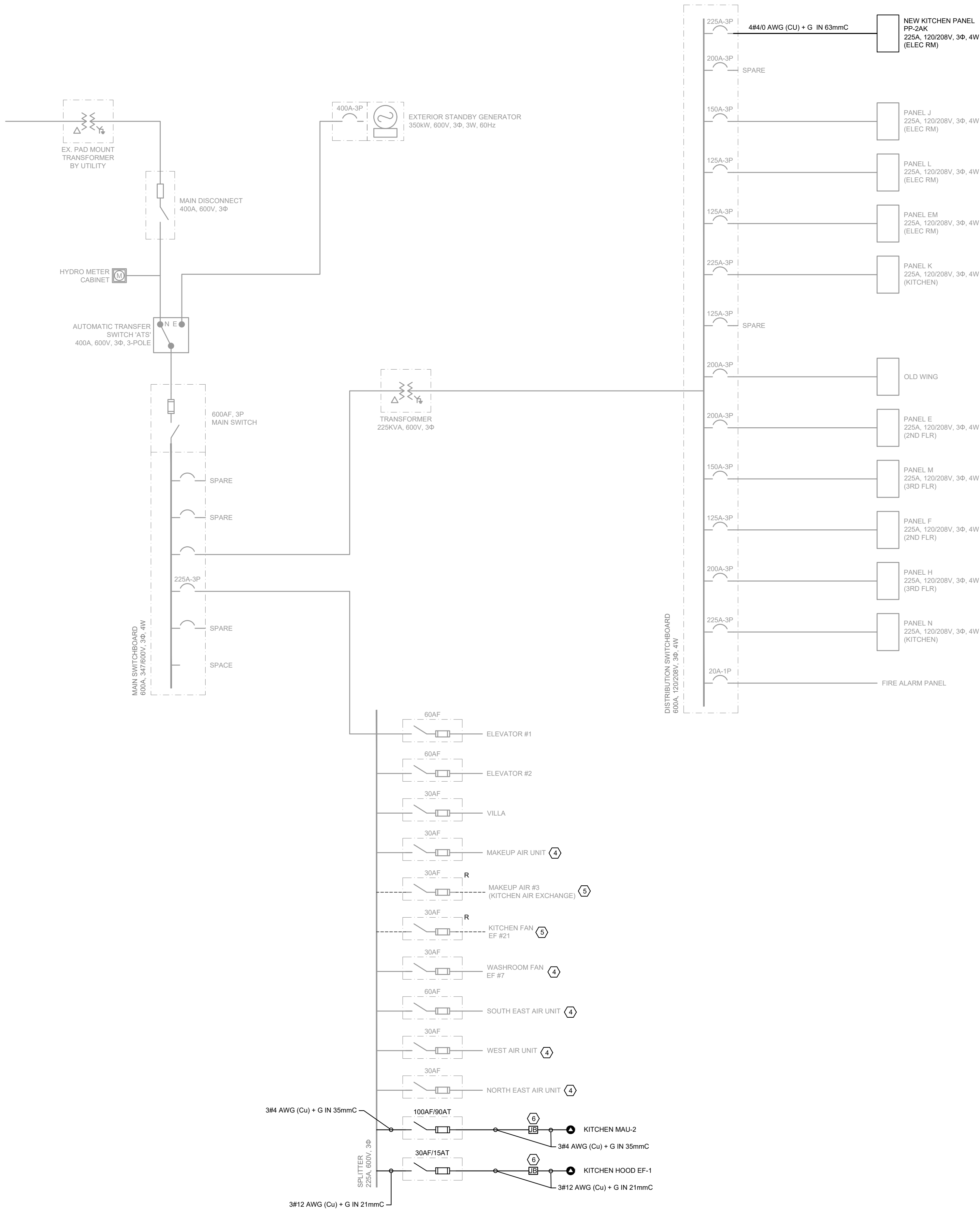
SHEET TITLE:

ROOF -
POWER AND SYSTEMS PLAN

PROPERTY NO. RP-W-42	FACILITY CODE SS-W-02
FACILITIES PROJECT NO. SS-W-02-23-01	CONTRACT NO. RFP-1048-2025

SHEET NO.

E-302



- ### DRAWING NOTES
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ALL OTHER CONSULTANT DRAWINGS AND DOCUMENTS.
 - ALL DISTRIBUTION EQUIPMENT, UNLESS OTHERWISE NOTED, IS EXISTING TO REMAIN.
 - THIS PANEL IS TO REMAIN UNFED FROM UPSTREAM SOURCES. DOWNSTREAM LOADS SHOWN ARE TO BE CONNECTED TO NEW PANEL BY THIS CONTRACTOR, AND NEW INCOMING FEED FOR PANEL TO BE COMPLETED IN FUTURE. LOADS SHOWN ON SLD ARE MAJOR LOADS CONNECTED TO THIS PANEL. REFER TO PANEL SCHEDULE FOR FUTURE DETAILS.
 - DISCONNECT FEED TO UNIT AT ROOF LEVEL. CAP AND KEEP SAFE FOR DURATION OF CONSTRUCTION. ONCE ROOFING WORK HAS BEEN COMPLETED AND MECHANICAL CONTRACTOR HAS RE-INSTALLED UNIT, RE-CONNECT ELECTRICAL FEED BACK TO THE UNIT. ALLOW FOR ADDITIONAL WIRING CONDUIT WORK TO SUIT RE-INSTALLED UNIT, IF REQUIRED. COORDINATE ALL WORK WITH MECHANICAL CONTRACTOR.
 - POWER CONNECTION TO BE DEMOLISHED FROM UNIT TO SPLITTER, ALONG WITH DISCONNECT SWITCH.
 - JUNCTION BOX TO BE PROVIDED FOR WIRING SPLICING, SUCH TO RE-FEED UNIT FROM ANOTHER SOURCE IN FUTURE.

DESIGN BY:	SJ
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WHITBY, ONTARIO

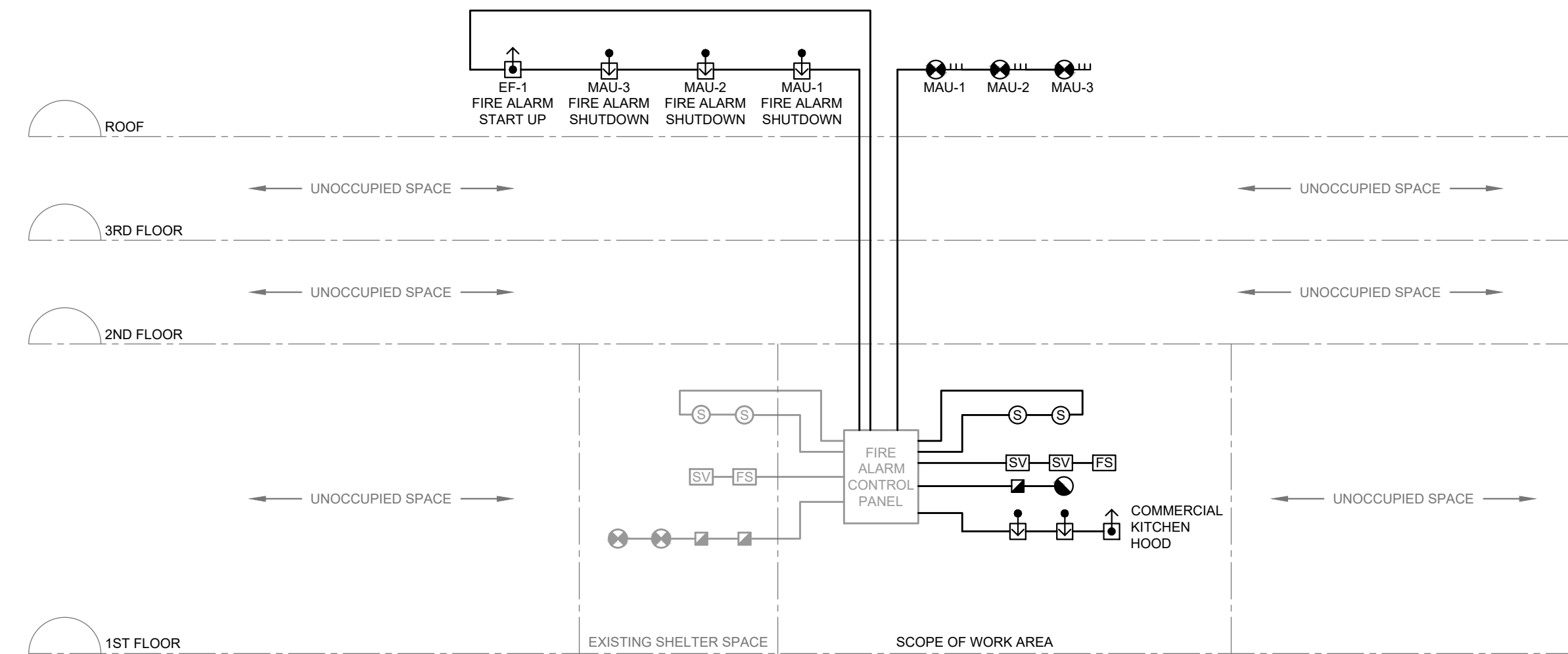
SHEET TITLE:

SINGLE LINE DIAGRAM - DEMO & NEW

PROPERTY NO. RP-W-42	FACILITY CODE SS-W-02
FACILITIES PROJECT NO. SS-W-02-23-01	CONTRACT NO. RFP-1048-2025

SHEET NO.

E-501



1 FIRE ALARM RISER
SCALE: N/A

ZONE #	ZONE DESCRIPTION	PULL STATION (FZ)	HEAT OR SMOKE DETECTOR (FZ)	SUPERVISED VALVE (SZ)	SPRINKLER FLOW SWITCH (FZ)	LOSS OF PRESSURE (SZ)	DUCT DETECTOR (FZ)	STARTUP SIGNAL (CZ)	SHUTDOWN SIGNAL (CZ)	HORN/STROBE C.T. A (HZ)	HORN/STROBE C.T. B (HZ)	AUDIO C.T. 1 (BZ)	AUDIO C.T. 2 (BZ)	HANDSET (FZ)	FIRE ALARM CONNECTION (CZ)	AUX. SYSTEM TROUBLE (SZ)	AUX. SYSTEM ALARM (FZ)	REMARKS
1	FIRST FLOOR																	EXISTING ZONE TO REMAIN; CONNECT NEW DEVICES TO EXISTING ZONE
2	SECOND FLOOR																	EXISTING ZONE TO REMAIN
3	THIRD FLOOR																	EXISTING ZONE TO REMAIN
4	MAIN SPRINKLER SUPERVISORY VALVE																	EXISTING ZONE TO REMAIN
5	MAIN SPRINKLER HEADER																	EXISTING ZONE TO REMAIN
6	FIRST FLOOR SPRINKLER																	EXISTING ZONE TO REMAIN
7	SECOND FLOOR SPRINKLER																	EXISTING ZONE TO REMAIN
8	THIRD FLOOR SPRINKLER																	EXISTING ZONE TO REMAIN
9	ALL STAIR WELLS																	EXISTING ZONES TO REMAIN
10	ELEVATOR 1 PIT/SHAFT																	EXISTING ZONE TO REMAIN
11	ELEVATOR 2 PIT/SHAFT																	EXISTING ZONE TO REMAIN
12	ELEVATOR MACHINE ROOM																	EXISTING ZONE TO REMAIN
13	ELEVATOR MAIN LOBBY SMOKE																	EXISTING ZONE TO REMAIN
14	ELEVATOR FLOOR 2-3 SMOKE																	EXISTING ZONE TO REMAIN
15	ELEVATOR 1 RECALL																	EXISTING ZONE TO REMAIN
16	ELEVATOR 2 RECALL																	EXISTING ZONE TO REMAIN
17	ELEVATOR 1 ALTERNATE FLOOR																	EXISTING ZONE TO REMAIN
18	ELEVATOR 2 ALTERNATE FLOOR																	EXISTING ZONE TO REMAIN
19	CENTRAL MAU																	
20	KITCHEN MAU																	
21	WEST WING MAU																	
22	EF-1																	
23	KITCHEN FIRE SUPPRESSION SYSTEM																	
24	KITCHEN EQUIPMENT SHUNT TRIP																	
25	KITCHEN GAS SHUT OFF																	
26	COMMERCIAL KITCHEN/LAUNDRY ROOM SPRINKLER ZONE																	

2 FIRE ALARM SCHEDULE
SCALE: N/A

NOTES

- THE EXISTING FIRE ALARM SYSTEM IS A TWO-STAGE SYSTEM.
- SPRINKLER ZONE NOMENCLATURE SHALL BE COORDINATED TO SUIT THE FINAL SPRINKLER MECHANICAL SYSTEM DESIGN. CONTROL PANEL LED LABELS SHALL BE UPDATED.
- ALL FINAL DESIGNATION OF NAMES FOR THE FIRE ALARM CONTROL PANEL ARE TO CORRESPOND TO THE ELEVATOR NUMBERS AND FLOOR DESIGNATIONS.
- RETURN WIRING OF CLASS 'A' CIRCUIT SHALL BE RUN SEPARATE FROM THE REMAINDER OF THE CIRCUIT WIRING.
- FIRE SUPPRESSION SYSTEM PRESSURE REDUCING STATION HAS FOUR (4) SUPERVISORY VALVES WHICH MUST BE CONNECTED TO THE FIRE ALARM SYSTEM.
- EACH NEW SPRINKLER ZONE CONTROL STATION HAS ONE FLOW SWITCH AND ONE SUPERVISORY VALVE WHICH MUST BE CONNECTED TO THE FIRE ALARM SYSTEM. REVIEW THE MECHANICAL SPRINKLER DRAWINGS FOR LOCATION AND QUANTITY OF DEVICES.
- PROVIDE A 120V POWER CONNECTION FOR THE SPRINKLER LOW PRESSURE ALARM SENSOR. THE LOW PRESSURE ALARM SENSOR WILL BE CONNECTED TO THE F.A. CONTROL PANEL TO SIGNAL TROUBLE.
- ELECTRICAL CONTRACTOR SHALL LOCATE DUCT DETECTORS IN THE STRAIGHT SECTION WITHIN THE DUCTWORK SYSTEM. IF THE LOCATION DOES NOT ADHERE TO THE LATEST RECOMMENDED STANDARDS, THE ELECTRICAL CONTRACTOR SHALL HAVE THE SITE REVIEWED BY THE FIRE ALARM MANUFACTURER AND SUBMIT IN WRITING THAT DETECTORS ARE STILL MONITORING THE SYSTEM ACCURATELY.
- ELECTRICAL CONTRACTOR SHALL OBTAIN FAN SHUT DOWN LIST AND PROVIDE FINAL TERMINATIONS AND TESTING.
- FIRE ALARM RISER CABLING SHALL BE FIRE RATED.
- ALL EXISTING SPRINKLER ZONES ARE TO REMAIN.
- PROVIDE WIRING FOR ALL NEW SPRINKLER FLOW SWITCHES, SUPERVISED AND PRESSURE SWITCHES. CONNECT INTO PROPER ZONES AND COORDINATE WITH SPRINKLER CONTRACTOR PRIOR TO ROUGH-IN & ORDERING FIRE ALARM EQUIPMENT. ZONES INDICATED ON THIS RISER AND SCHEDULE ARE FOR REFERENCE, FINAL ZONES WILL BE FINALIZED WITH SPRINKLER SHOP DRAWINGS.
- REFER TO FIRE PROTECTION DRAWINGS FOR THE FIRE PROTECTION DIAGRAMS FOR RELATED DETAILS.
- PRIOR TO SUBMISSION OF THE SHOP DRAWINGS, COORDINATE WITH THE SPRINKLER CONTRACTOR FOR THE EXACT LOCATION OF EACH DEVICES AND INDICATE ON THE DEVICES ON THE SHOP DRAWINGS.
- THE FIRE PROTECTION DIAGRAMS & FLOOR PLANS INDICATED ON FIRE PROTECTION DRAWINGS IS CONCEPTUAL ONLY AND IT IS SUBJECT TO CHANGES BASED ON THE SPRINKLER SHOP DRAWINGS. THE FIRE ALARM MANUFACTURER AND CONTRACTOR SHALL MAKE ALLOWANCE IN THE TENDER PRICE AT NO EXTRA COSTS TO THE CONTRACT FOR THE PROVISION FOR ADDITION OF FIVE PERCENT (5%) OF THE TOTAL QUANTITIES FOR ALL THE DEVICES SUCH AS FLOW SWITCHES, SUPERVISORY VALVE, PRESSURE SWITCHES, CONNECTION TO CONTROL PANELS ETC. WITH ALL RELATED WIRING, VERIFICATION AND ACCESSORIES FOR A COMPLETE AND OPERATING SYSTEM.
- PROVIDE HOA (HAND-OFF-AUTO) SWITCH AT THE FIRE ALARM PANEL FOR EACH MAU.

KITCHEN FIRE SUPPRESSION SYSTEM SEQUENCE OF OPERATIONS

UPON ACTIVATION OF THE KITCHEN FIRE SUPPRESSION SYSTEM:

- SEND A SIGNAL TO THE FIRE ALARM CONTROL PANEL AND ENTER SECOND STAGE ALARM.
 - SEND FIRE ALARM SIGNAL TO KITCHEN MAKE UP UNIT TO SHUT OFF VIA AUXILIARY CONTACT.
- KITCHEN EXHAUST FAN EF-1 SHALL TURN ON VIA AUXILIARY CONTACT.
 - ALL EQUIPMENT UNDER THE COMMERCIAL KITCHEN EXHAUST HOOD SHALL BE DE-ENERGIZED BY OPENING THE SHUNT TRIP BREAKERS TO THE EQUIPMENT.
- ALL EQUIPMENT UNDER THE KITCHEN EXHAUST HOOD SHALL HAVE GAS SUPPLY SHUT OFF BY CLOSING THE MOTORIZED GAS VALVE VIA AUXILIARY CONTACT.

FIRE ALARM SEQUENCE OF OPERATIONS

THIS SEQUENCE OF OPERATIONS ONLY APPLIES TO NEW DEVICES. EXISTING SEQUENCE OF OPERATIONS OF ALL EXISTING DEVICES IS TO REMAIN.

- AIR HANDLING UNIT
 - ALL MAKE-UP AIR UNITS (CENTRAL KITCHEN & WEST WING) SHALL RUN UNLESS THE ASSOCIATED DUCT SMOKE DETECTOR IS ACTIVATED (ZONE 19 TO 21). AT ANY TIME IF THE DUCT SMOKE DETECTOR IS ACTIVATED, THE UNITS SHALL BE SHUT DOWN.
- UPON ACTIVATION OF FIRST STAGE OF FIRE ALARM SYSTEM FOR BUILDING OR ACTIVATION OF FIRE SUPPRESSION SYSTEM, KITCHEN MAKE-UP AIR UNIT SHALL BE SHUT DOWN.
 - KITCHEN HOOD EXHAUST FAN EF-1
 - UPON ACTIVATION OF FIRST STAGE OF FIRE ALARM SYSTEM FOR BUILDING OR ACTIVATION OF FIRE SUPPRESSION SYSTEM, EF-1 TO TURN ON (OR STAY ON).

PRIME CONSULTANT

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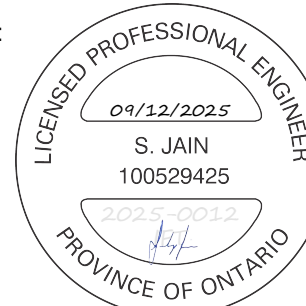
DESIGN BY:	SJ
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SCALE:	N/A
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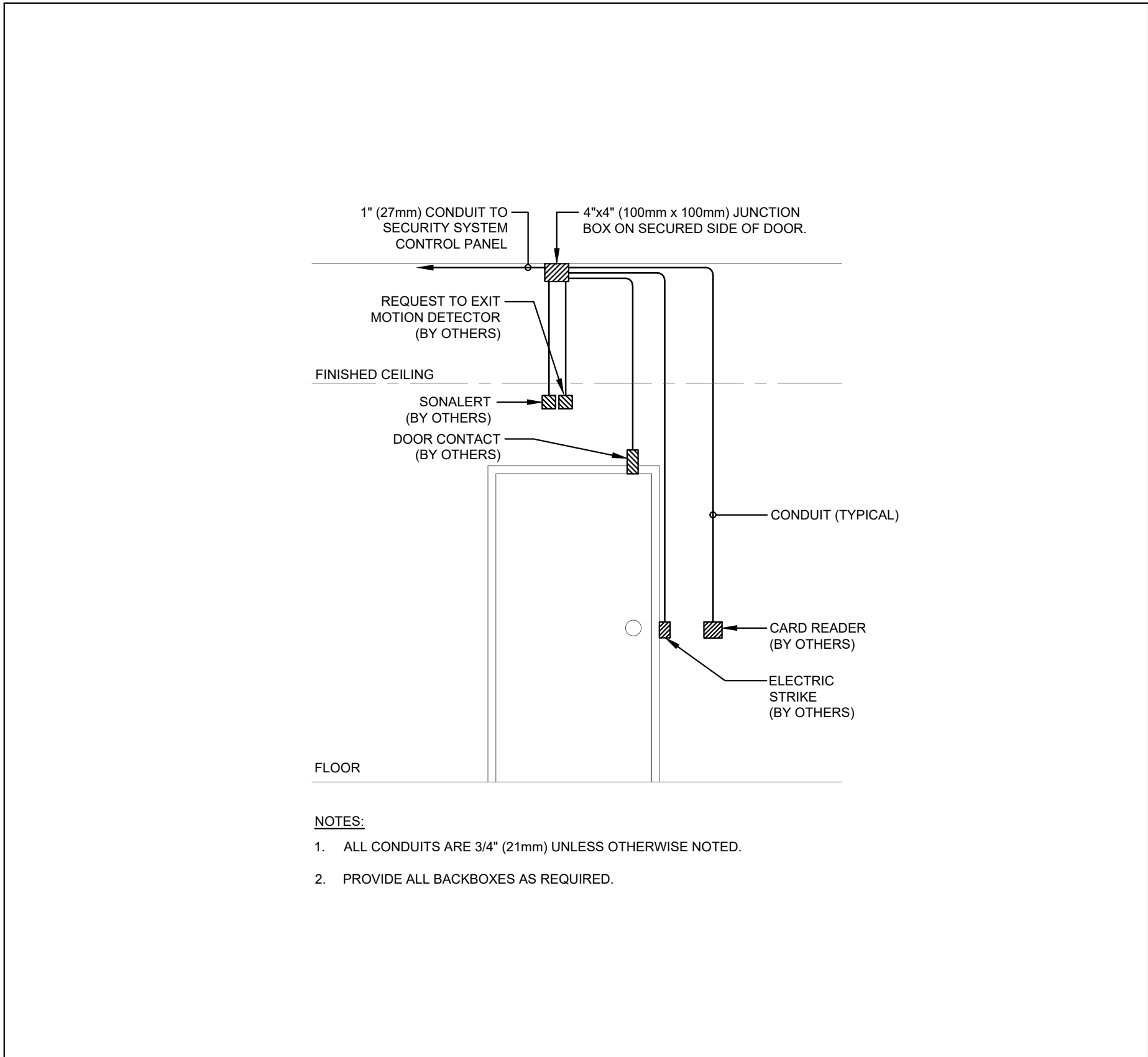
SHEET TITLE:

FIRE ALARM RISER

PROPERTY NO. RP-W-42	FACILITY CODE SS-W-02
FACILITIES PROJECT NO. SS-W-02-23-01	CONTRACT NO. RFP-1048-2025

SHEET NO.

E-601



1 SINGLE DOOR WITH ELECTRIC STRIKE (TYPICAL)
E801 SCALE: NTS

DESIGN BY:	SJ
DRAWN BY:	CW
CHECKED BY:	JP
APPROVED BY:	SJ
SCALE:	N/A
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PROJECT:
PHASE 2 RENOVATIONS

1635 DUNDAS STREET EAST
WHITBY, ONTARIO

SHEET TITLE:

ELECTRICAL DETAILS

PROPERTY NO. RP-W-42	FACILITY CODE SS-W-02
FACILITIES PROJECT NO. SS-W-02-23-01	CONTRACT NO. RFP-1048-2025

SHEET NO.

E-801