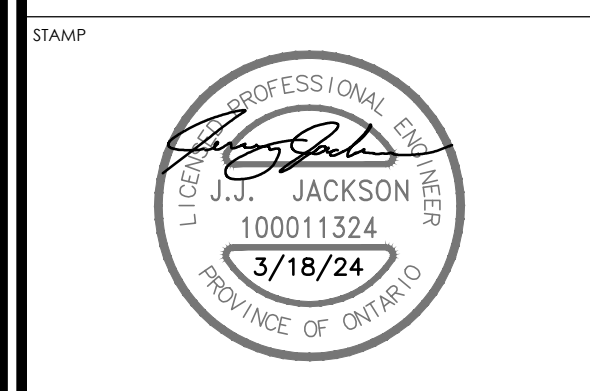
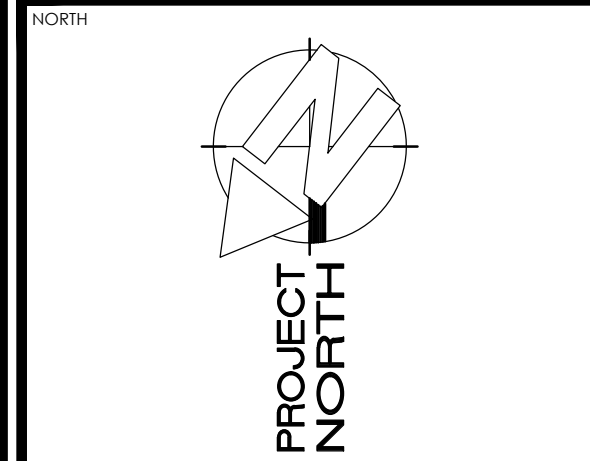


The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work. The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant 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. © 2024 DEI Consulting Engineers

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| ISSUED FOR BID | 2024.03.19 |
| ISSUED FOR PERMIT | 2024.02.05 |
| ISSUED FOR 75% REVIEW | 2024.01.19 |
| ISSUED FOR 50% REVIEW | 2023.12.22 |
| CHRONOLOGY | DATE |

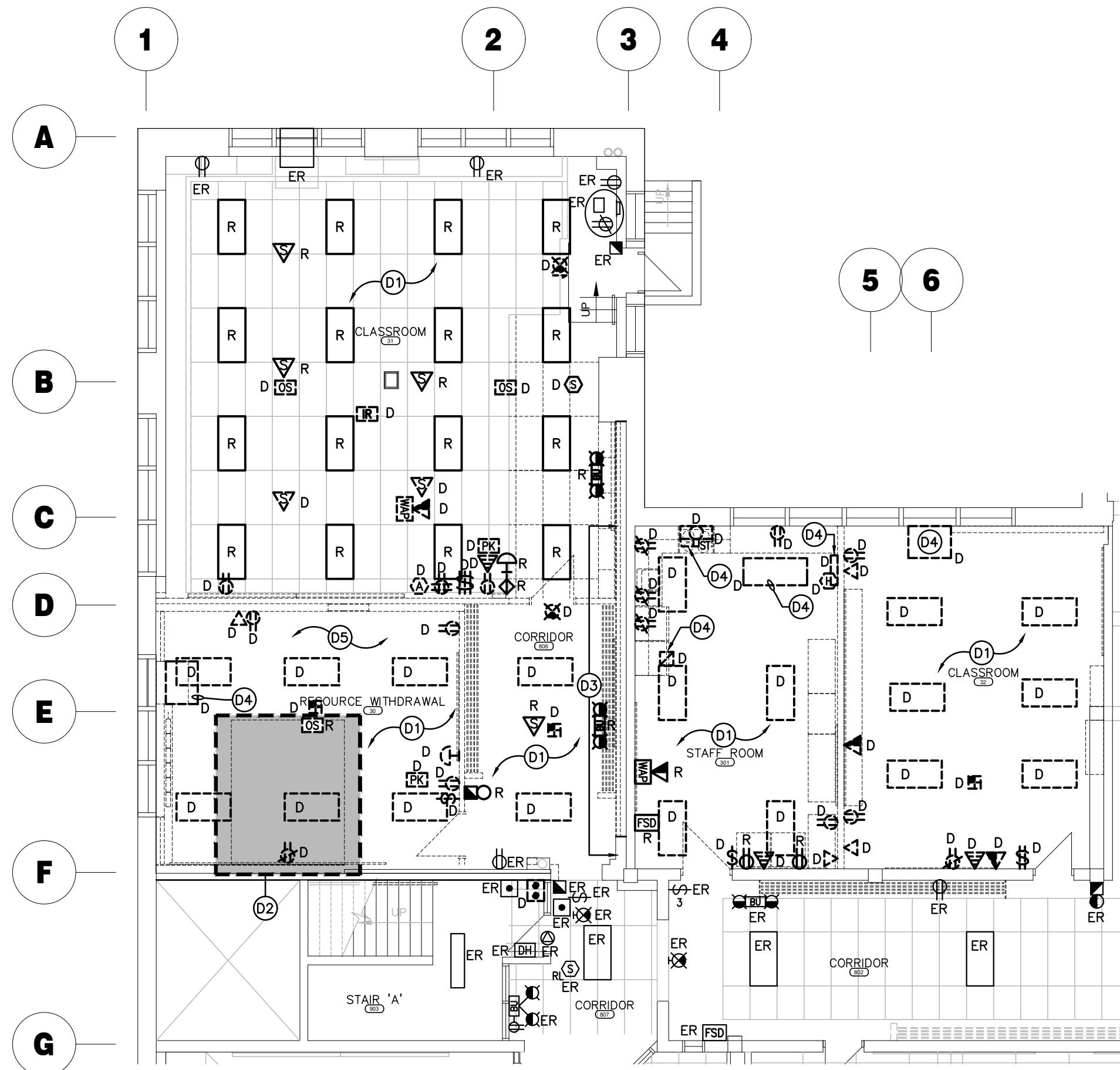


PROJECT NAME
SUDDABY PUBLIC SCHOOL
171 FREDERICK STREET, KITCHENER, ONTARIO

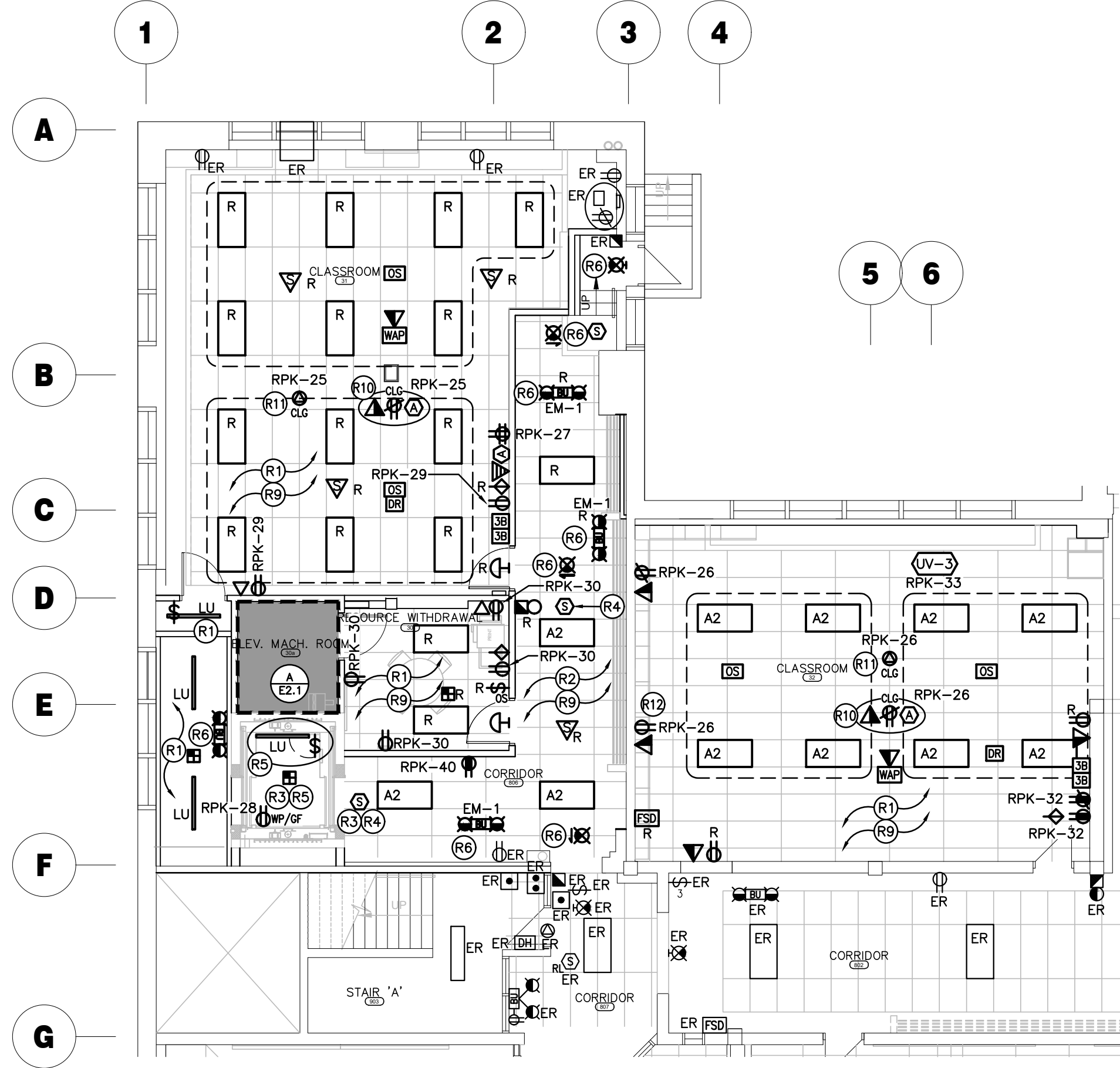
DRAWING TITLE
DETAILS

| SCALE | DRAWING NUMBER |
|----------------|----------------|
| AS NOTED | |
| SHEET SIZE | |
| PROJECT NUMBER | |

E1.2



DEMOLITION



RENOVATION

A - PARTIAL BASEMENT FLOOR PLAN
SCALE: 1:100

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 DELETED. 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

- D1 INDICATES LIGHT FIXTURES AND CONTROLS TO BE REMOVED, EXISTING LIGHTING CIRCUIT TO REMAIN FOR CONNECTION TO NEW FIXTURES AND CONTROLS PER RENOVATION PLANS.
- D2 INDICATES AREA OF NEW ELEVATOR. REMOVE, REINSTALL, REROUTE EXISTING BRANCH CIRCUITS, BRANCH FEEDERS, PA CABLING, SECURITY CABLING, FIRE ALARM, ETC. TO SUIT. INCLUDE FOR TWO (2) DAYS TRADE TIME ON EACH FLOOR TO PERFORM WORK ON THESE SYSTEMS.
- D3 RELOCATE/EXTEND CONDUIT WITHIN INDICATED AREA TO ALLOW FOR MECHANICAL EQUIPMENT INSTALLATION.
- D4 INDICATES APPROXIMATE LOCATION OF MECHANICAL EQUIPMENT BEING REMOVED BY MECHANICAL CONTRACTOR. DISCONNECT AND REMOVE ALL ASSOCIATED WIRING AND CONDUIT AND BRING BACK TO SOURCE AND LABEL AS SPARE.
- D5 MECHANICAL CEILING DEVICES WITHIN THIS AREA ARE TO BE DISCONNECTED/REMOVED AND RE-INSTALLED TO SUIT NEW LAYOUT. COORDINATE ON SITE WITH MECHANICAL TRADE.

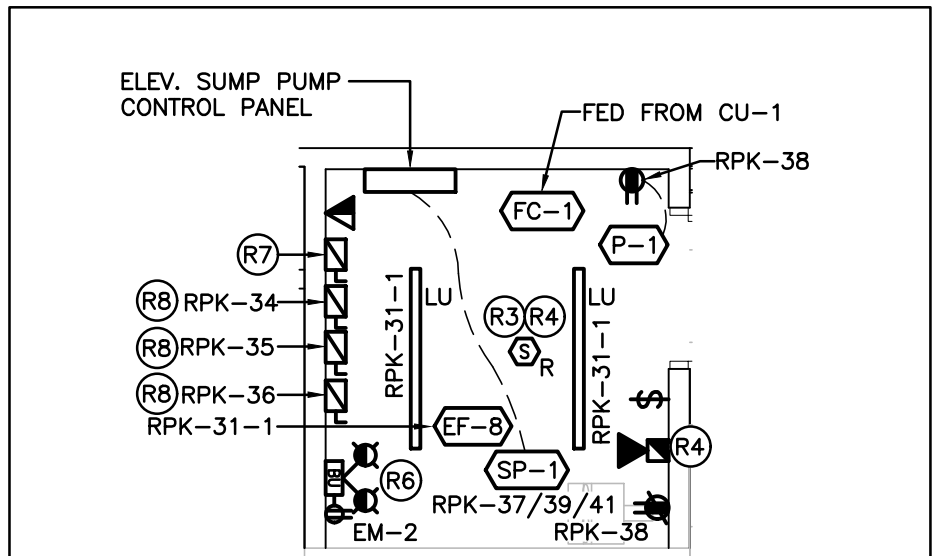
GENERAL RENOVATION NOTES

- '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 UNLESS OTHERWISE NOTED.
- MAINTAIN SERVICE TO ALL EXISTING DEVICES TO REMAIN.
- REVISE PANEL DIRECTORIES TO SUIT CHANGES (TYPED).

SPECIFIC RENOVATION NOTES

- R1 CONNECT NEW LIGHTING FIXTURES IN THIS AREA TO EXISTING LIGHTING BRANCH CIRCUIT AND NEW CONTROLS AS NOTED. EXTEND CIRCUITS AS REQUIRED.
- R2 CONNECT NEW FIXTURES IN THIS AREA TO EXISTING CORRIDOR LIGHTING BRANCH CIRCUIT AND EXISTING CONTROLS. EXTEND CIRCUITS AS REQUIRED.
- R3 THROUGH PROGRAMMING WHEN INDICATED DETECTOR IS IN ALARM, ASSOCIATED RELAY IN CONTROL PANEL IS TO CLOSE AND SEND SIGNAL TO ELEVATOR CONTROLLER.
- R4 CONNECT INDICATED DEVICE TO LOCAL INITIATING CIRCUIT. ALL WIRING MUST BE SUPERVISED.
- R5 INDICATED DEVICES TO BE MOUNTED IN ELEVATOR PIT. COORDINATE INSTALLATION WITH ELEVATOR SUPPLIER AND REFER TO ELEVATOR SHOP DRAWINGS.
- R6 INDICATES EMERGENCY FIXTURE TO BE CONNECTED TO UNSWITCHED SIDE OF LOCAL LIGHTING CIRCUIT. PROVIDE ADEQUATE SUPPORT FOR ALL CEILING MOUNTED FIXTURES.
- R7 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.
- R8 INDICATES THREE 30A-1P FUSIBLE DISCONNECTS C/W 15A CLASS J FUSE FOR ELEVATOR CAB LIGHTING, IN-CAR GFI RECEPTACLE, AND ELEVATOR COMMUNICATIONS SYSTEM DISCONNECT. COORDINATE WITH ELEVATOR SHOP DRAWINGS PRIOR TO ROUGH-IN.
- R9 NEW CEILINGS BEING INSTALLED IN INDICATED ROOM. WALL MOUNTED DEVICES AT HIGH LEVEL (ABOVE NEW CEILING HEIGHT) ARE TO BE LOWERED TO SUIT NEW CEILING. EXTEND FEEDS AS REQUIRED.
- R10 INDICATED DEVICES ARE TO BE INSTALLED IN RECESSED BOX FOR CEILING PROJECTOR MOUNT. CONFIRM EXACT LOCATION ON SITE PRIOR TO ROUGH IN TO ENSURE PROPER DISTANCE/ORIENTATION FROM SCREEN. RECESSED PROTECTION BOX IS TO BE EQUAL TO FSR CAT. #CB-22P, SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR.
- R11 INDICATES HARDWIRED CONNECTION FOR INSTALLATION OF CEILING MOUNTED TOPCAT SOUND FIELD. CONNECT TO NEARBY EXISTING CIRCUIT. CONTRACTOR TO COORDINATE WITH SCHOOL BOARD FOR SHOP DRAWINGS, PROVIDE RECEPTACLE IF REQUIRED ON FINAL SHOP DRAWINGS.
- R12 INDICATED RECEPTACLE IS TO BE MOUNTED SIDEWAYS WITHIN THE BASEBOARD BELOW THE SHELVING. COORDINATE EXACT LOCATION WITH ARCHITECTURAL ELEVATIONS.

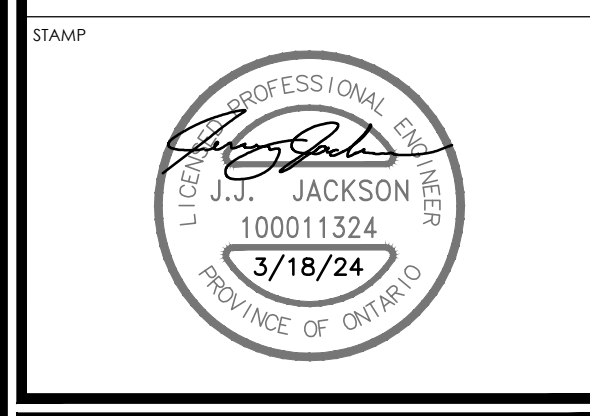
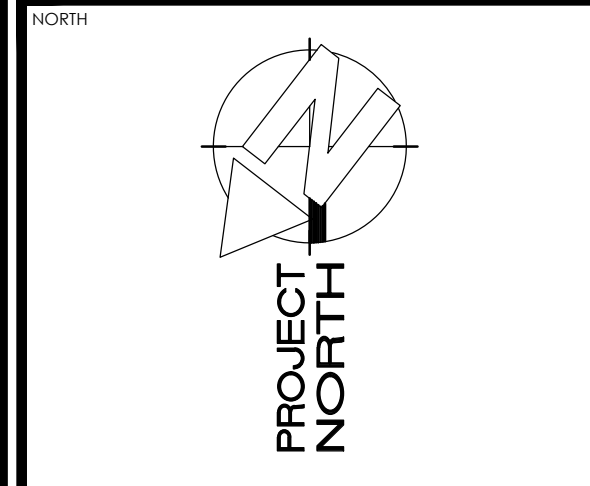
ALL NEW/RELOCATED RECEPTACLES ARE TO BE TAMPER RESISTANT TYPE PER 2019 OESC CODE UPDATES - RULE 26-706.



B-ENLARGED ELEV. MACHINE ROOM
SCALE: 1:100

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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Consulting Engineers
MECHANICAL | ELECTRICAL | PLUMBING

55 Northland Road, Waukegan, ON N2V 1Y8
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Website: deiconsultants.ca
Project Number: 2309

aba architects inc.
101 Rosedale Drive, Unit 8, Waukegan, ON, L9V 0K2 | www.abarchitects.com

CLIENT

PROJECT NAME

SUDDABY PUBLIC SCHOOL
171 FREDERICK STREET, KITCHENER, ONTARIO

DRAWING TITLE

BASEMENT FLOOR - DEMOLITION AND RENOVATION

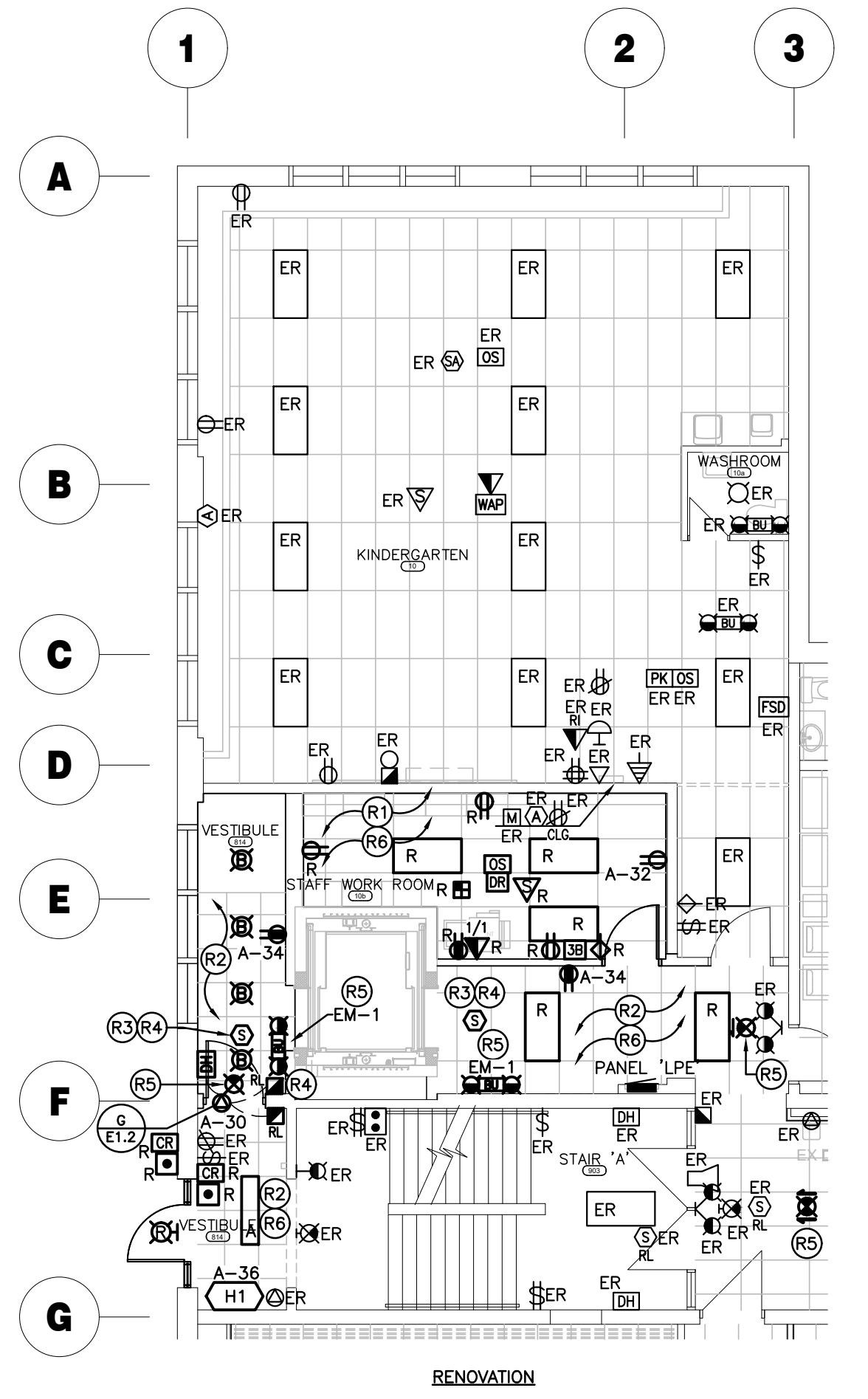
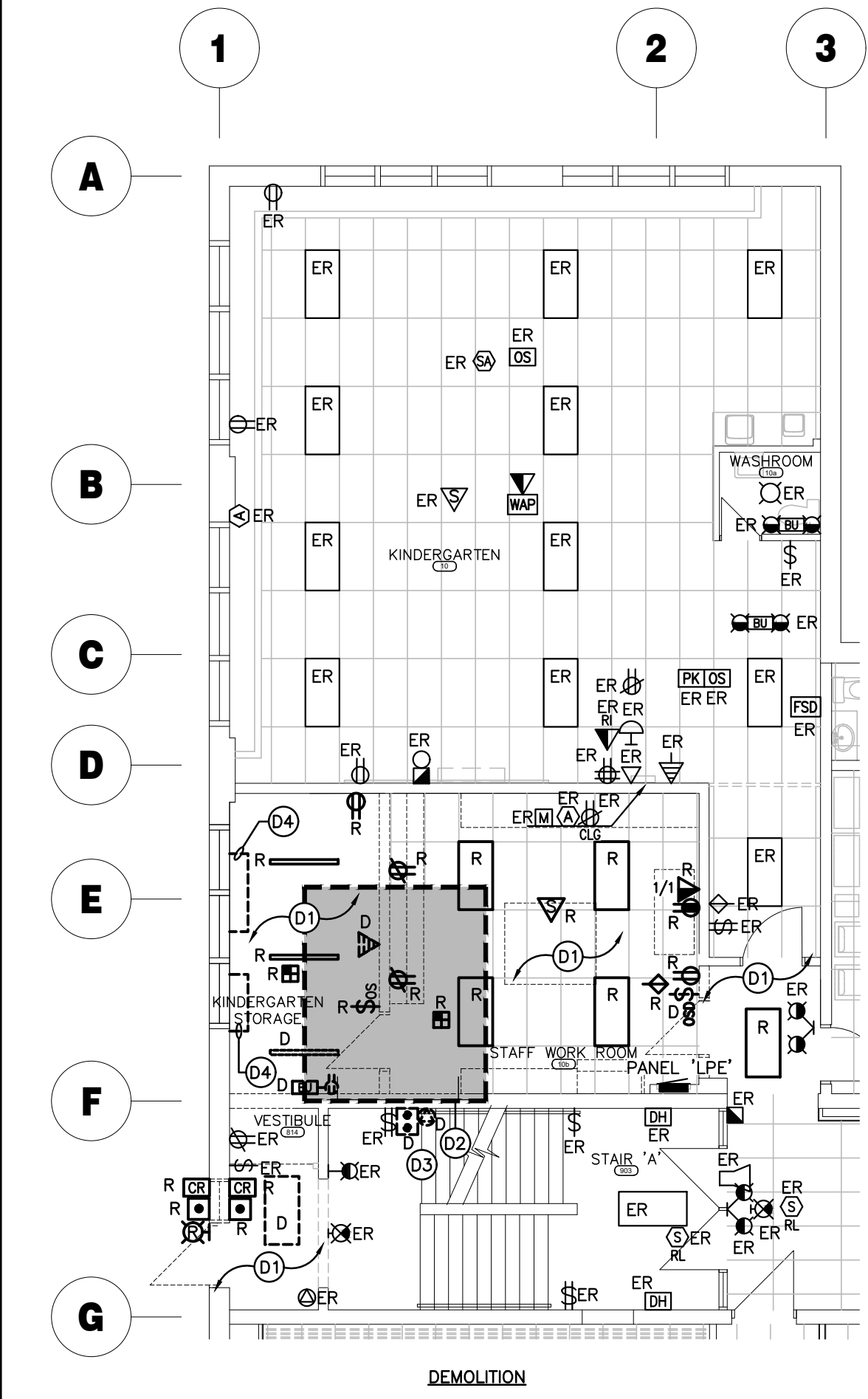
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| SCALE | DRAWING NUMBER |
| AS NOTED | |
| SHEET SIZE | E2.1 |
| 24x36 | |
| PROJECT NUMBER | 2022-071 |

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 DELETED. 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

- D1 INDICATES LIGHT FIXTURES AND CONTROLS TO BE RELOCATED, EXISTING LIGHTING CIRCUIT TO REMAIN FOR CONNECTION TO RELOCATED FIXTURES AND CONTROLS PER RENOVATION PLANS.
- D2 INDICATES AREA OF NEW ELEVATOR, REMOVE, REINSTALL, REROUTE EXISTING BRANCH CIRCUITS, BRANCH FEEDERS, PA CABLING, SECURITY CABLING, FIRE ALARM, ETC. TO SUIT. INCLUDE FOR TWO (2) DAYS TRADE TIME ON EACH FLOOR TO PERFORM WORK ON THESE SYSTEMS.
- D3 EXISTING STAIR LIFT IS TO BE DISCONNECTED/REMOVED, REMOVE ALL ASSOCIATED DEVICES AND CONDUIT.
- D4 INDICATES APPROXIMATE LOCATION OF MECHANICAL EQUIPMENT BEING REMOVED BY MECHANICAL CONTRACTOR. DISCONNECT AND REMOVE ALL ASSOCIATED WIRING AND CONDUIT AND BRING BACK TO SOURCE AND LABEL AS SPARE.
- D5 LIGHTING FIXTURES WITHIN THIS AREA ARE TO BE DISCONNECTED AND REMOVED COMPLETE. MAINTAIN EXISTING WIRING FOR RECONNECTION TO NEW FIXTURES AS PER RENOVATION PLANS.



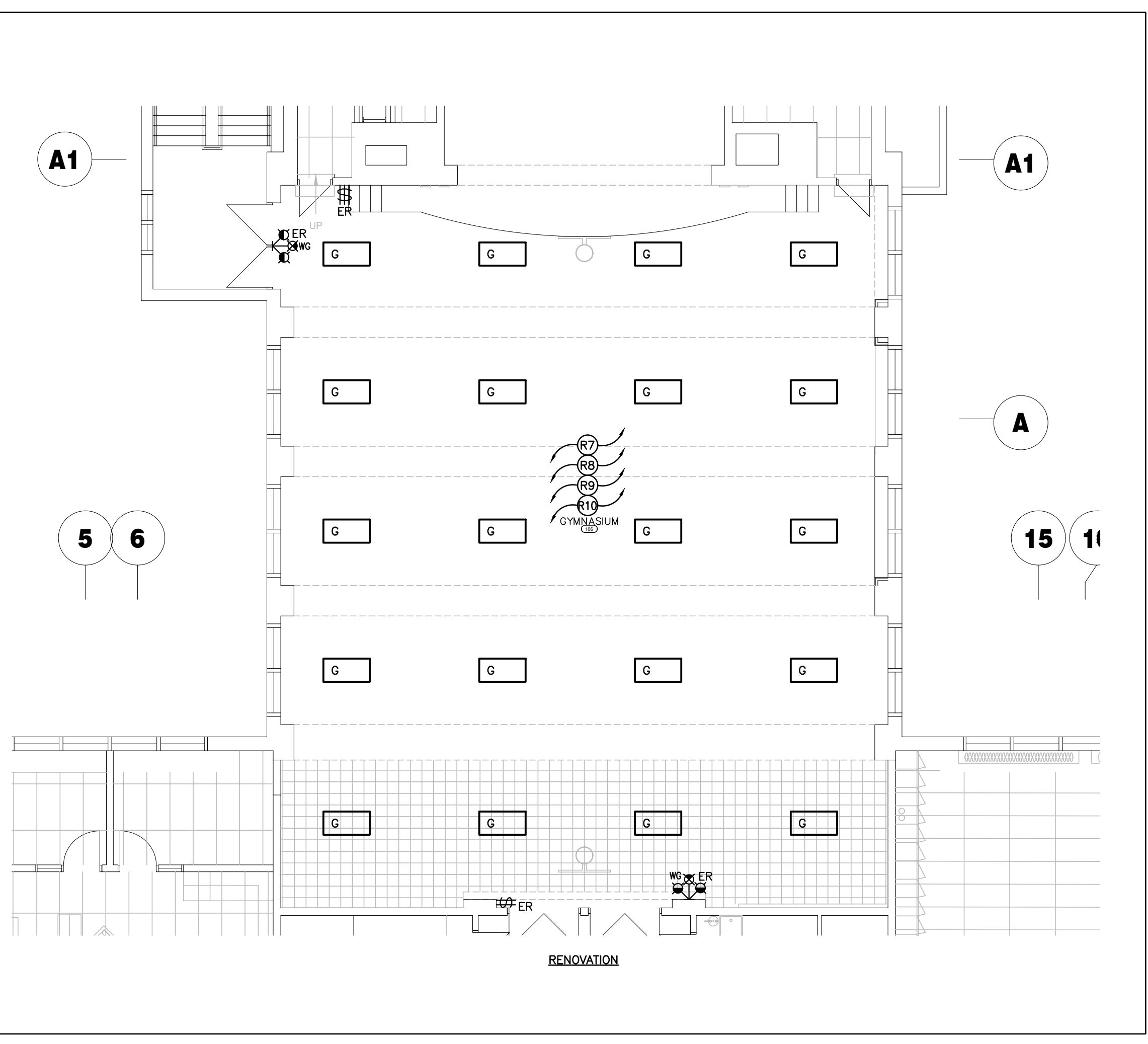
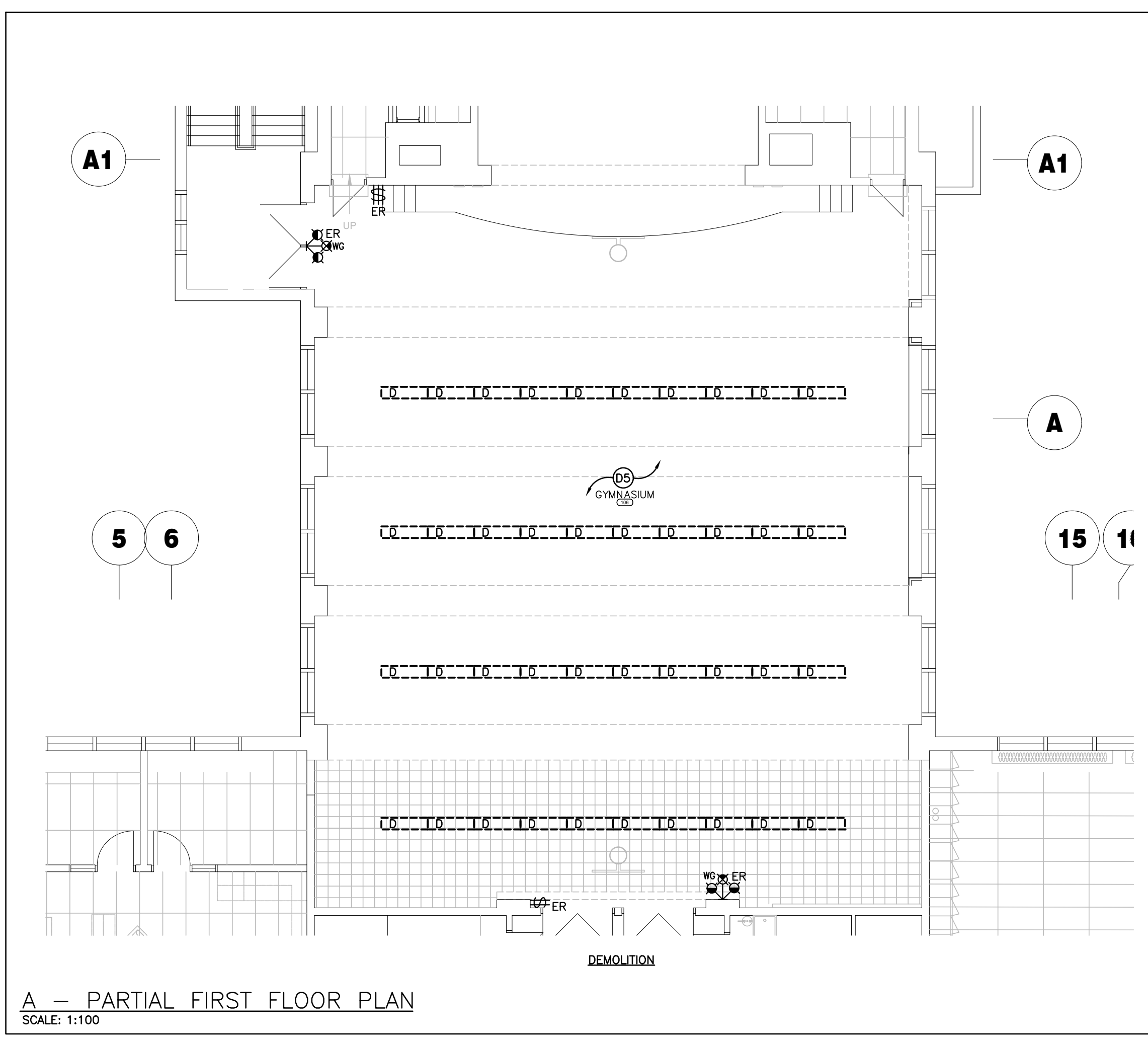
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- MAINTAIN SERVICE TO ALL EXISTING DEVICES TO REMAIN.
- REVISE PANEL DIRECTORIES TO SUIT CHANGES (TYPED).

SPECIFIC RENOVATION NOTES

- R1 CONNECT RELOCATED LIGHTING FIXTURES IN THIS AREA TO EXISTING LIGHTING BRANCH CIRCUIT AND NEW CONTROLS AS NOTED. EXTEND CIRCUITS AS REQUIRED.
- R2 CONNECT RELOCATED FIXTURES IN THIS AREA TO EXISTING CORRIDOR LIGHTING BRANCH CIRCUIT AND EXISTING CONTROLS. EXTEND CIRCUITS AS REQUIRED.
- R3 THROUGH PROGRAMMING WHEN INDICATED DETECTOR IS IN ALARM, ASSOCIATED RELAY IN CONTROL PANEL IS TO CLOSE AND SEND SIGNAL TO ELEVATOR CONTROLLER.
- R4 CONNECT INDICATED DEVICE TO LOCAL INITIATING CIRCUIT. ALL WIRING MUST BE SUPERVISED.
- R5 INDICATES EMERGENCY FIXTURE TO BE CONNECTED TO UNSWITCHED SIDE OF LOCAL LIGHTING CIRCUIT. PROVIDE ADEQUATE SUPPORT FOR ALL CEILING MOUNTED FIXTURES.
- R6 NEW CEILINGS BEING INSTALLED IN INDICATED ROOM, WALL MOUNTED DEVICES AT HIGH LEVEL (ABOVE NEW CEILING HEIGHT) ARE TO BE LOWERED TO SUIT NEW CEILING. EXTEND FEEDS AS REQUIRED.
- R7 FIXTURES WITHIN THIS AREA ARE TO BE CONNECTED TO WIRING MADE AVAILABLE DURING DEMOLITION. CONTRACTOR IS TO FIX CEILING AND PAINT TO MATCH EXISTING CONDITIONS. EXTEND CONDUIT AND WIRING AS REQUIRED TO SUIT RENOVATION.
- R8 IN THIS ROOM WHEN ELEVATING DEVICES ARE USED TO COMPLETE INSTALLATIONS THE EXISTING FLOORS MUST BE PROPERLY PROTECTED WITH PLYWOOD SHEETING. ANY MARKED OR DAMAGED FLOORS WILL BE REPAIRED TO THE SATISFACTION OF THE BOARD REPRESENTATIVE AT THE CONTRACTOR'S EXPENSE.
- R9 ANY NEW CONDUIT ON THE ROOF DECK IS TO BE PAINTED WITH TWO COATS OF PAINT TO MATCH EXISTING SURFACES.
- R10 FIXTURES WITHIN THE GYMNASIUM ARE TO BE SURFACE MOUNTED TO EXISTING CEILING. PROVIDE ADEQUATE SUPPORT.

ALL NEW/RELOCATED RECEPTACLES ARE TO BE TAMPER RESISTANT TYPE PER 2019 OESC CODE UPDATES - RULE 26-706.



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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| ISSUED FOR BID | 2024.03.19 |
| ISSUED FOR PERMIT | 2024.02.05 |
| ISSUED FOR 75% REVIEW | 2024.01.19 |
| ISSUED FOR 50% REVIEW | 2023.12.22 |
| CHRONOLOGY | DATE |

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MECHANICAL | ELECTRICAL | AQUATIC

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Phone: 519-745-3555
Website: deiconsultants.ca
Project Number: 2319

aba architects inc.
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PROJECT NAME

**SUDDABY
PUBLIC SCHOOL**
171 FREDERICK STREET, KITCHENER, ONTARIO

DRAWING TITLE

**FIRST FLOOR -
DEMOLITION AND
RENOVATION**

| SCALE | DRAWING NUMBER |
|----------------|----------------|
| AS NOTED | E2.2 |
| SHEET SIZE | |
| PROJECT NUMBER | |
| 2022-071 | |

GENERAL DEMOLITION NOTES

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- 'D' INDICATES EXISTING ITEM TO BE DELETED. 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

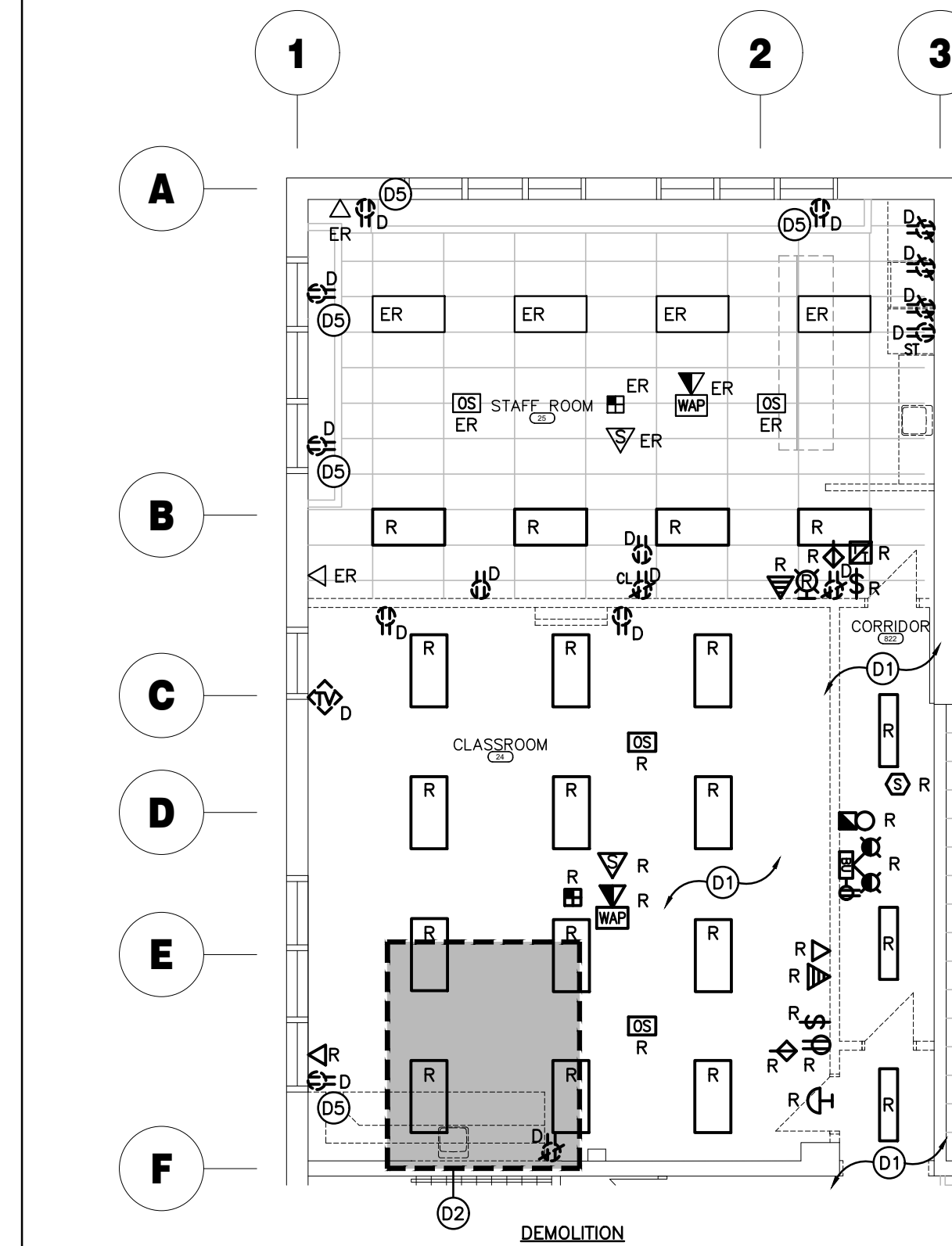
- D1 INDICATES LIGHT FIXTURES AND CONTROLS TO BE RELOCATED, EXISTING LIGHTING CIRCUIT TO REMAIN FOR CONNECTION TO RELOCATED FIXTURES AND CONTROLS PER RENOVATION PLANS.
- D2 INDICATES AREA OF NEW ELEVATOR. REMOVE, REINSTALL, REROUTE EXISTING BRANCH CIRCUITS, BRANCH FEEDERS, PA CABLING, SECURITY CABLING, FIRE ALARM, ETC. TO SUIT. INCLUDE FOR TWO (2) DAYS TRADE TIME ON EACH FLOOR TO PERFORM WORK ON THESE SYSTEMS.
- D3 INDICATED FIRE ALARM BE IS TO BE RELOCATED TO REDUCE WALL CONDUIT. CONTRACTOR TO PATCH AND PAINT OLD LOCATION OF RELOCATED ALARM BELL.
- D4 INDICATES EXISTING BATTERY UNIT TO BE DISCONNECTED, REMOVED, AND REPLACED WITH NEW. CONTRACTOR IS TO REPLACE BATTERY AND CONNECT TO EXISTING FEED. CONTRACTOR IS TO CONFIRM SIZE OF EXISTING BATTERY AND REPLACE WITH EQUIVALENT SIZE. FOR PRICING PURPOSES ASSUME 200WATTS.
- D5 DISCONNECT AND REMOVE RECEPTACLE AND BRING WIRING BACK TO SOURCE. MAINTAIN EXISTING BACKBOX FOR RECONNECTION TO NEW RECEPTACLE FED FROM NEW PANEL.
- D6 EXISTING DEVICES WITHIN THIS AREA ARE TO BE DISCONNECTED AND REMOVED COMPLETE. WIRING AND CONDUIT IS TO BE BROUGHT BACK TO SOURCE AND LABELED AS SPARE.

GENERAL RENOVATION NOTES

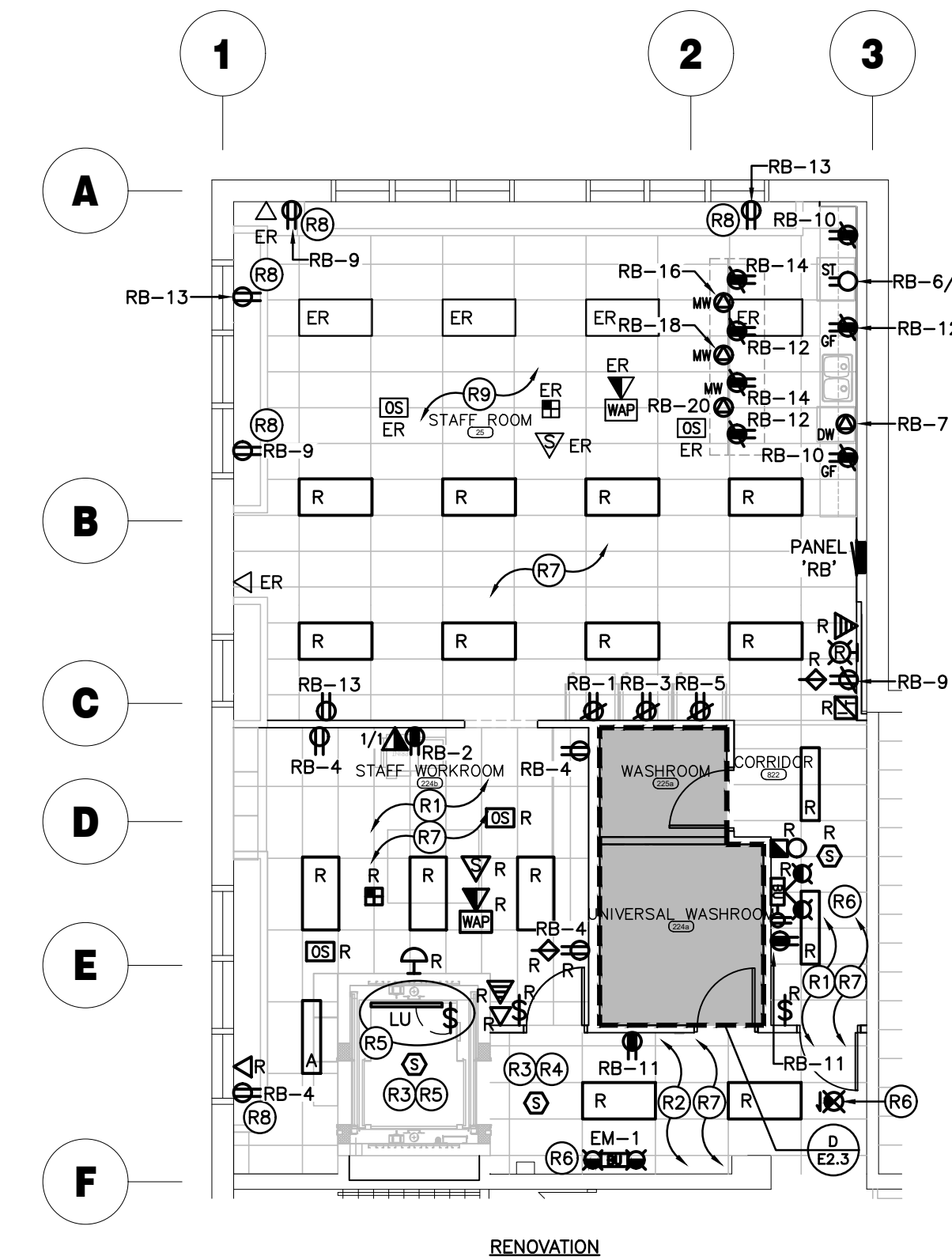
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- ALL DEVICES SHOWN ARE NEW UNLESS OTHERWISE NOTED.
- EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS OTHERWISE NOTED.
- MAINTAIN SERVICE TO ALL EXISTING DEVICES TO REMAIN.
- REVISE PANEL DIRECTORIES TO SUIT CHANGES (TYPED).

SPECIFIC RENOVATION NOTES

- R1 CONNECT RELOCATED LIGHTING FIXTURES IN THIS AREA TO EXISTING LIGHTING BRANCH CIRCUIT AND NEW CONTROLS AS NOTED. EXTEND CIRCUITS AS REQUIRED.
- R2 CONNECT RELOCATED FIXTURES IN THIS AREA TO EXISTING CORRIDOR LIGHTING BRANCH CIRCUIT AND EXISTING CONTROLS. EXTEND CIRCUITS AS REQUIRED.
- R3 THROUGH PROGRAMMING WHEN INDICATED DETECTOR IS IN ALARM, ASSOCIATED RELAY IN CONTROL PANEL IS TO CLOSE AND SEND SIGNAL TO ELEVATOR CONTROLLER.
- R4 CONNECT INDICATED DEVICE TO LOCAL INITIATING CIRCUIT. ALL WIRING MUST BE SUPERVISED.
- R5 INDICATED DEVICE TO BE MOUNTED AT TOP OF ELEVATOR SHAFT, COORDINATE WITH ELEVATOR SHOP DRAWINGS.
- R6 INDICATES EMERGENCY FIXTURE TO BE CONNECTED TO UNSWITCHED SIDE OF LOCAL LIGHTING CIRCUIT. PROVIDE ADEQUATE SUPPORT FOR ALL CEILING MOUNTED FIXTURES.
- R7 NEW CEILINGS BEING INSTALLED IN INDICATED ROOM, WALL MOUNTED DEVICES AT HIGH LEVEL (ABOVE NEW CEILING HEIGHT) ARE TO BE LOWERED TO SUIT NEW CEILING. EXTEND FEEDS AS REQUIRED.
- R8 INDICATES NEW RECEPTACLE BEING INSTALLED ON EXISTING BACKBOX. FISH RECEPTACLE DOWN WALL AND FEED FROM NEW PANEL AS INDICATED ON PLANS.
- R9 CEILING DEVICES WITHIN THIS AREA MAY NEED TO BE DISCONNECTED, AND RECONNECTED TO SUITE RENOVATIONS WITHIN THIS AREA. PROVIDE ALL ASSOCIATED COST IN TENDER.
- R10 INDICATES 120V FEED TO 240VDC STEP DOWN TRANSFORMER MOUNTED ABOVE CEILING OR AT A HIGH LEVEL FOR AUTOMATIC PLUMBING FIXTURE(S). COORDINATE WITH MECHANICAL TRADE.
- R11 INDICATED FIXTURE IS TO BE RECESSED INTO NEW DRYWALL CEILINGS. PROVIDE DRYWALL FRAME KIT AS REQUIRED FOR INSTALLATION.

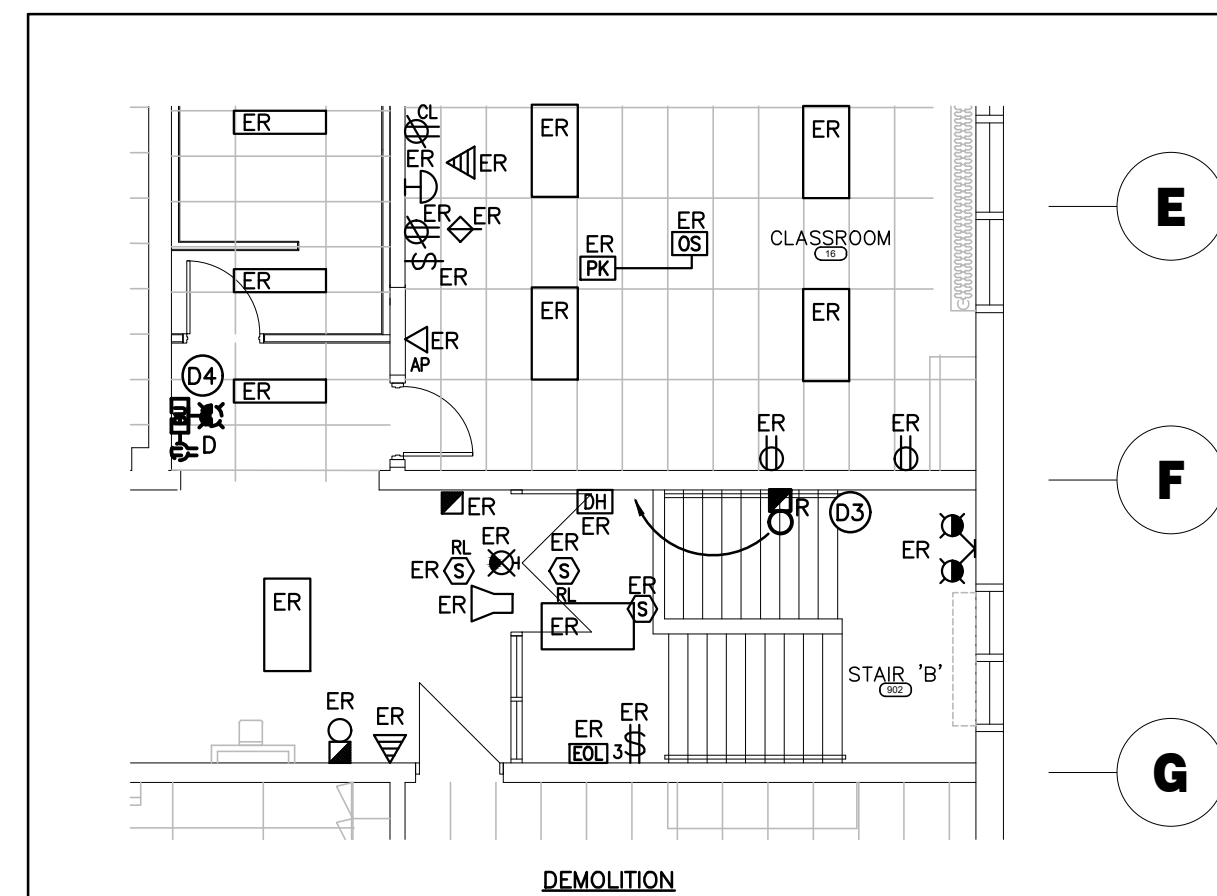


B - PARTIAL SECOND FLOOR STAFF AREA
SCALE: 1:100

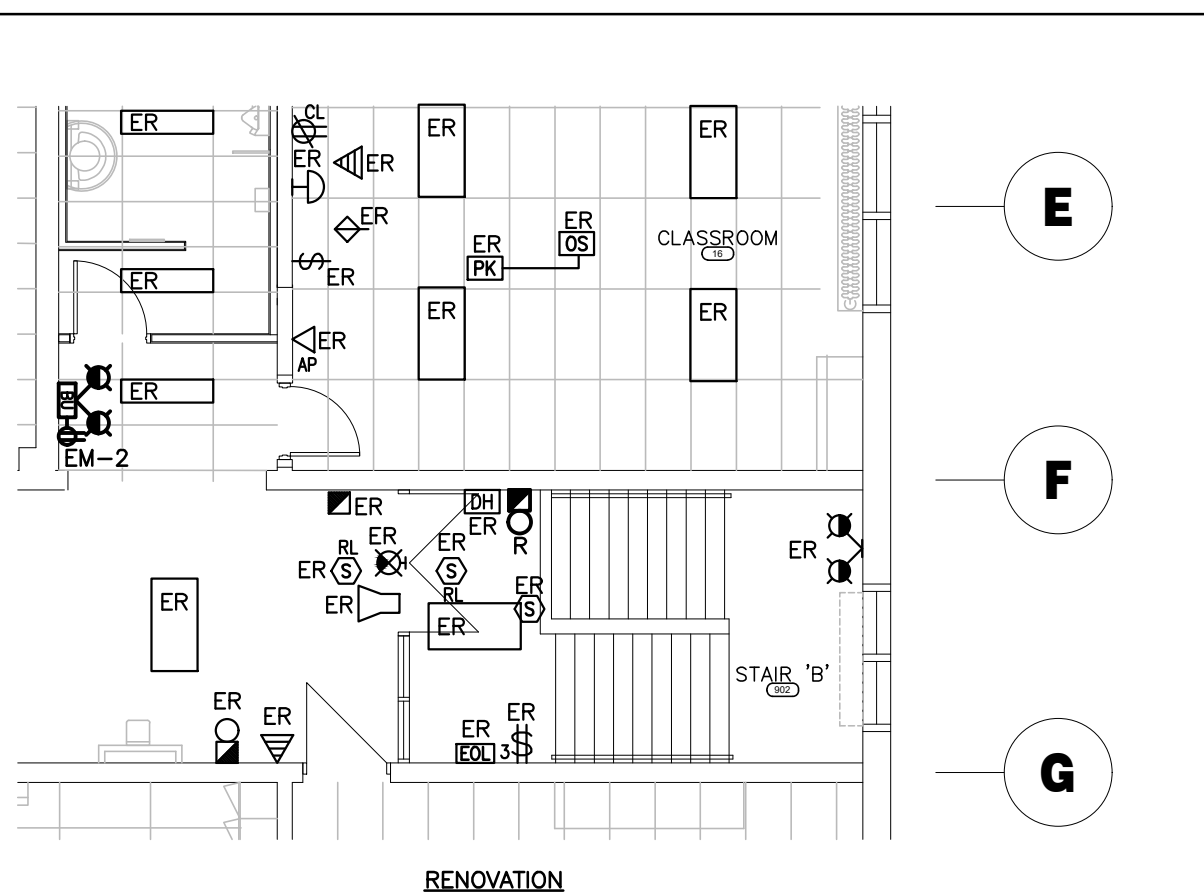


RENOVATION

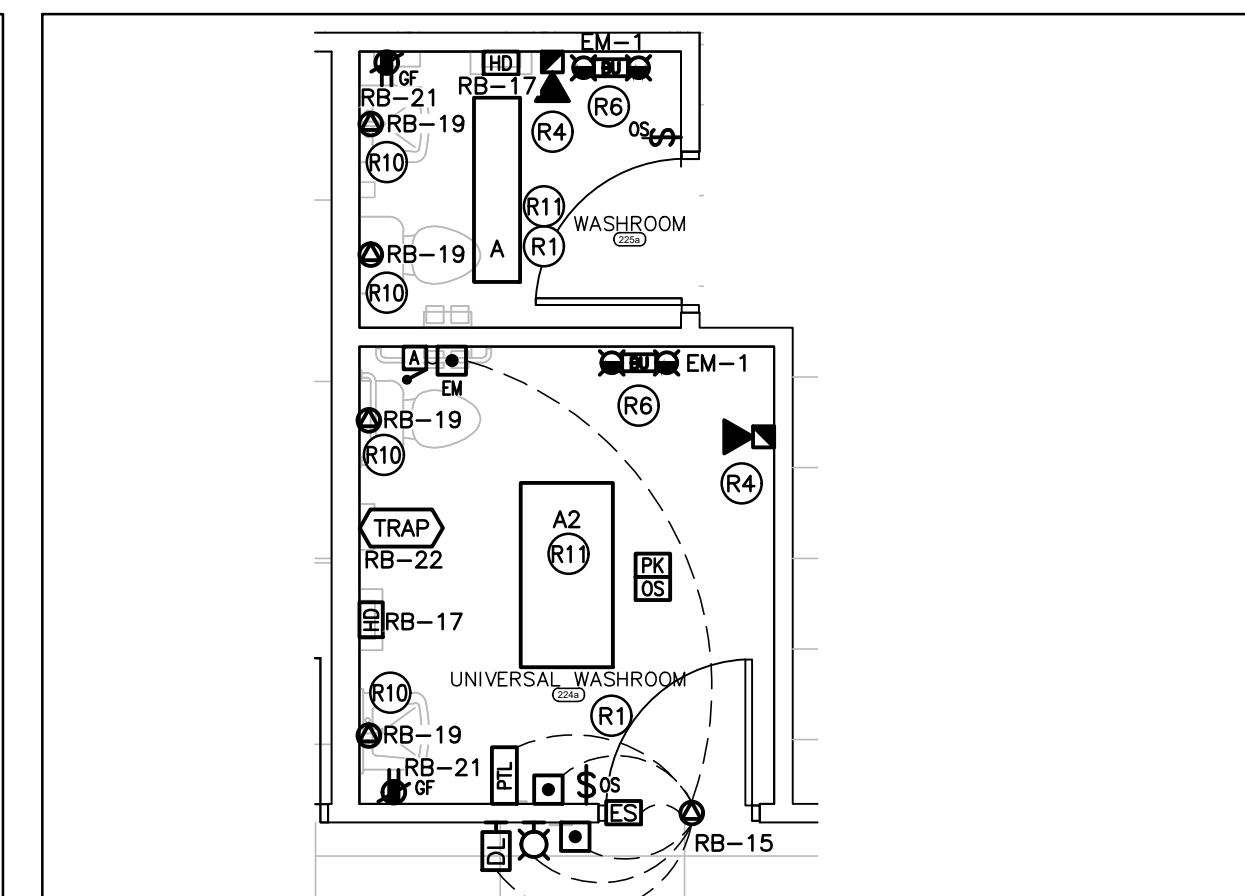
ALL NEW/RELOCATED RECEPTACLES ARE TO BE TAMPER RESISTANT TYPE PER 2019 OESC CODE UPDATES - RULE 26-706.



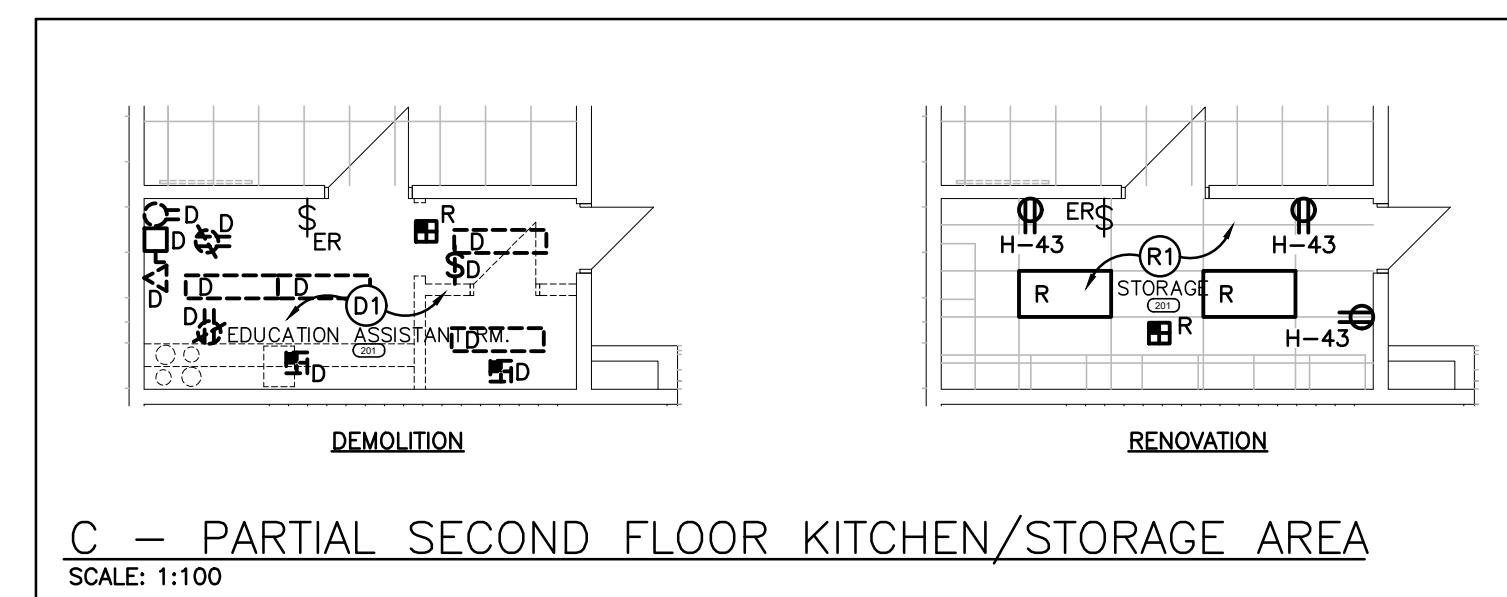
B - PARTIAL SECOND FLOOR STAIR B AREA
SCALE: 1:100



RENOVATION



D - UNIVERSAL BATHROOM RENOVATION
SCALE: 1:50



C - PARTIAL SECOND FLOOR KITCHEN/STORAGE AREA
SCALE: 1:100

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PROFESSIONAL ENGINEER
L. J. JACKSON P. ENG.
100011324
3/18/24
PROVINCE OF ONTARIO

| ISSUED FOR | DATE |
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| ISSUED FOR BID | 2024.03.19 |
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DEI
Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
55 Northland Road, Wainfleet, ON N34 1Y8
Phone: 519-735-3555
Website: deiconsultants.ca
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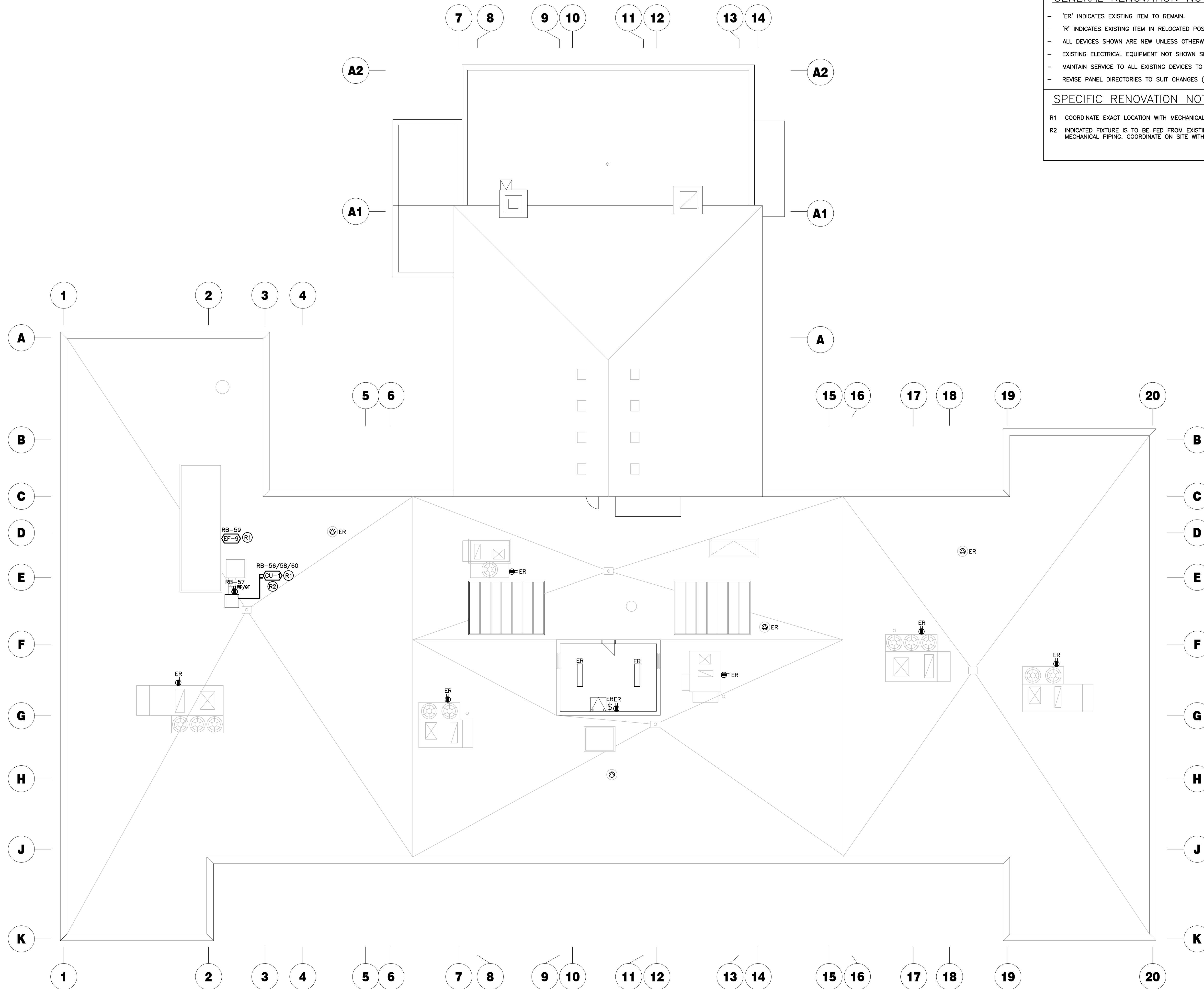
aba architects inc.
101 Ronald Drive, Unit 8, Wainfleet, ON, N34 1Y1 www.abaarchitects.com

CLIENT
INSTITUTE FOR EXCELLENCE IN EDUCATION
Ontario Education District

PROJECT NAME
SUDDABY PUBLIC SCHOOL
171 FREDERICK STREET, KITCHENER, ONTARIO

DRAWING TITLE
SECOND FLOOR - DEMOLITION AND RENOVATION

SCALE: AS NOTED
SHEET SIZE: 24x36
PROJECT NUMBER: 2022-071
DRAWING NUMBER: **E2.3**



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 UNLESS OTHERWISE NOTED.
- MAINTAIN SERVICE TO ALL EXISTING DEVICES TO REMAIN.
- REVISE PANEL DIRECTORIES TO SUIT CHANGES (TYPED).

SPECIFIC RENOVATION NOTES

R1 COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR.

R2 INDICATED FIXTURE IS TO BE FED FROM EXISTING DOGHOUSE AND ALONG ROUTE OF MECHANICAL PIPING. COORDINATE ON SITE WITH MECHANICAL CONTRACTOR.

ROOF FLOOR PLAN – RENOVATION
SCALE: 1:100

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| ISSUED FOR BID | 2024.03.19 |
| ISSUED FOR PERMIT | 2024.02.05 |
| ISSUED FOR 75% REVIEW | 2024.01.19 |
| ISSUED FOR 50% REVIEW | 2023.12.22 |
| CHRONOLOGY | DATE |

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MECHANICAL | ELECTRICAL | AQUATIC

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Project Number: 2319

aba architects inc.
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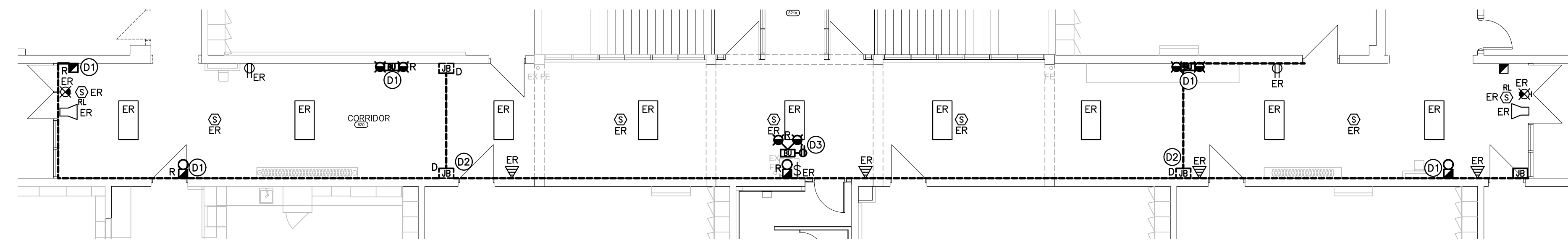
PROJECT NAME

SUDDABY PUBLIC SCHOOL
171 FREDERICK STREET, KITCHENER, ONTARIO

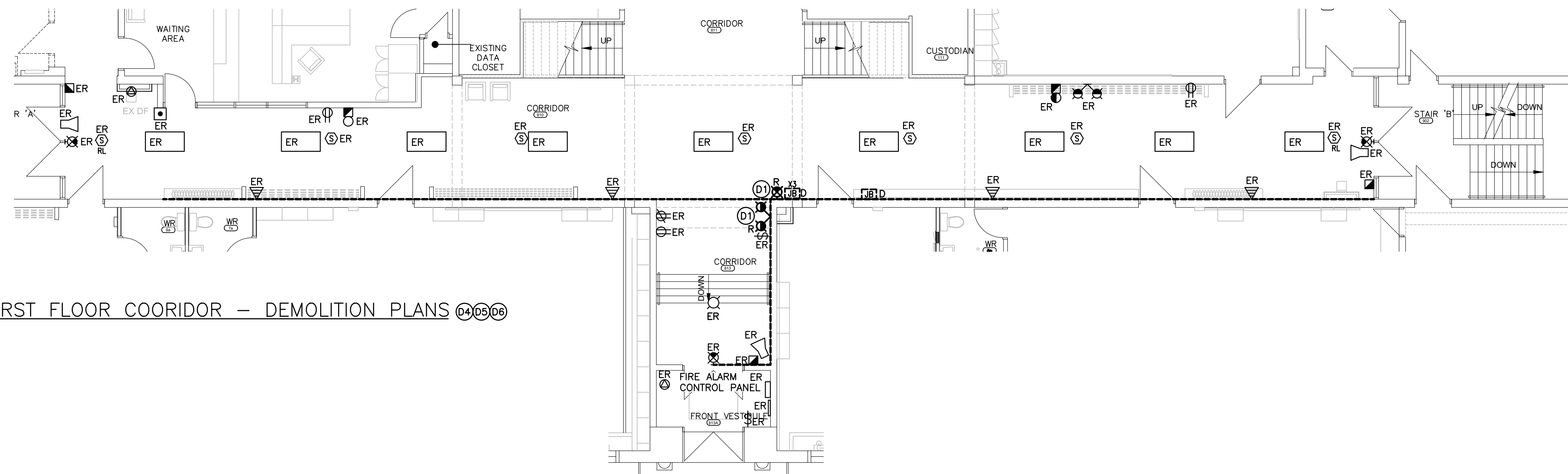
DRAWING TITLE

ROOF FLOOR PLAN - RENOVATION

| SCALE | DRAWING NUMBER |
|----------------|----------------|
| AS NOTED | E2.4 |
| SHEET SIZE | |
| PROJECT NUMBER | |
| 2022-071 | |



B — SECOND FLOOR COORIDOR — DEMOLITION PLANS (04)(05)(06)
SCALE: 1:100



A — FIRST FLOOR COORIDOR — DEMOLITION PLANS (04)(05)(06)
SCALE: 1:100

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 DELETED. 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

- D1 INDICATES EXISTING DEVICE AND EXISTING CIRCUIT IS TO BE RE-ROUTED TO BE FED THROUGH WALL FROM ACCESSIBLE CEILING OF ADJACENT CLASSROOM. REMOVE ALL UNNECESSARY CONDUIT AND PAINT WALLS WITH 2 COATS OF PAINT TO MATCH EXISTING CORRIDOR. THIS CONTRACTOR IS RESPONSIBLE TO REMOVE AND RE-INSTALL CEILING TILE TO SUIT REQUIRED INSTALLATION. ANY DAMAGED OR FINGERPRINTED TILE MUST BE REPLACED.
- D2 INDICATES JUNCTION BOX AND CONDUIT RUNNING ACROSS CEILING OF CORRIDOR. CONTRACTOR IS TO RELOCATE FEED TO ABOVE ATTIC, AND RELOCATE JUNCTION BOXES TO WITHIN ACCESSIBLE CEILING SPACE OF ADJACENT CLASSROOM. CONTRACTOR TO REMOVE ALL UNNECESSARY CONDUIT AND PAINT WALLS WITH 2 COATS OF PAINT TO MATCH EXISTING CORRIDOR.
- D3 INDICATES EMERGENCY/EXIT FIXTURE US TO BE RAISED UP TO 8'. REMOVE UNNECESSARY CONDUIT. FEED FIXTURE THROUGH WALL FROM CLASSROOM ACCESSIBLE CEILING SPACE.
- D4 INDICATES EXISTING 120V SURFACE MOUNT CONDUIT IS TO BE REMOVED. SUPPLY AND INSTALL NEW CONDUIT WITHIN CEILING SPACE OF ADJACENT CLASSROOMS TO RE-FEED EXISTING DEVICES. INCLUDE THE EXTENSION AND RELOCATION OF A MINIMUM OF 4 120V, 15A CIRCUITS AND 4 DC CIRCUITS TO REMOTE HEADS PER FLOOR. INCLUDE FOR RE-PAINTING OF WALLS ONCE CONDUIT HAS BEEN REMOVED.
- D5 INDICATES EXISTING FIRE ALARM SURFACE MOUNT CONDUIT IS TO BE REMOVED. SUPPLY AND INSTALL NEW CONDUIT WITHIN CEILING SPACE OF ADJACENT CLASSROOMS TO RE-FEED EXISTING DEVICES. INCLUDE THE EXTENSION AND RELOCATION OF A MINIMUM OF 4 SIGNAL DEVICES PER FLOOR. INCLUDE FOR RE-PAINTING OF WALLS ONCE CONDUIT HAS BEEN REMOVED.
- D6 INDICATES EXISTING LOW VOLTAGE SURFACE MOUNT CONDUIT IS TO BE REMOVED. SUPPLY AND INSTALL NEW 2"-2" CONDUITS WITHIN CEILING SPACE OF ADJACENT CLASSROOMS OF EACH FLOOR TO RE-FEED EXISTING DEVICES. INCLUDE A MINIMUM OF SIX 4"x4" JUNCTION BOXES PER FLOOR. LOCATIONS TO BE COORDINATED WITH SCHOOL VENDORS. CABLING TO BE SUPPLIED AND INSTALLED BY OTHERS. REMOVAL OF LOW VOLTAGE CONDUIT TO BE COORDINATED WITH SCHOOL VENDORS PRIOR TO START. INCLUDE FOR RE-PAINTING OF WALLS ONCE CONDUIT HAS BEEN REMOVED. REFER TO SPECIFICATIONS FOR ADDITIONAL ALLOWANCE TO BE INCLUDED FOR LOW VOLTAGE WORK DIRECTED BY SCHOOL BOARD.

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Project Number: 23196

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101 Forsyth Drive, Unit 8, Waukegan, ON, L9R 8K4 (211) www.abarchitects.com

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PROJECT NAME

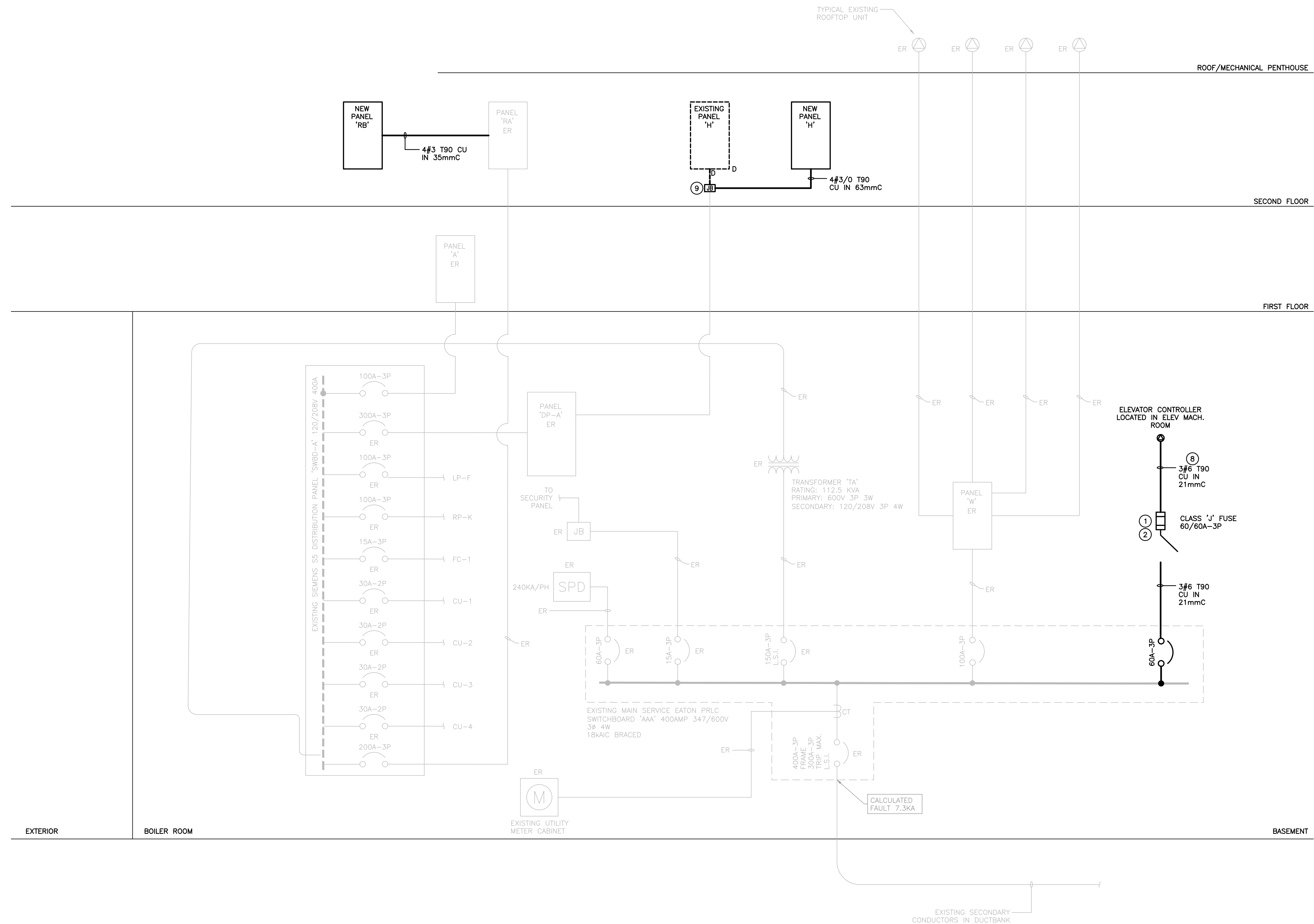
**SUDDABY
PUBLIC SCHOOL**
171 FREDERICK STREET, KITCHENER, ONTARIO

DRAWING TITLE

**CORRIDOR CONDUIT
RELOCATION PLANS**

| SCALE | DRAWING NUMBER |
|----------------|----------------|
| AS NOTED | E2.5 |
| SHEET SIZE | |
| PROJECT NUMBER | |

- ### DISTRIBUTION RISER NOTES
- 1 INDICATES ELEVATOR CONTROLLER DISCONNECT. PROVIDE C/W TWO SETS OF AUXILIARY CONTACTS TO SUIT THE ELEVATOR SUPPLIER.
 - 2 CONFIRM EXACT REQUIREMENTS WITH ELEVATOR SHOP DRAWINGS PRIOR TO INSTALLATION.
 - 3 REFER TO SPECIFICATION FOR INFORMATION REGARDING MOULDED CASE CIRCUIT BREAKERS.
 - 4 ALL DISTRIBUTION EQUIPMENT ARE TO BE PROVIDED WITH WARNING LABELS CONFORMING TO THE ONTARIO ELECTRICAL SAFETY CODE RULE #2-306(1),(2)
 - 5 INSTALL GROUND WIRE TO SUIT THE ELECTRICAL SAFETY CODE IN ALL CONDUIT.
 - 6 ALL LIGHTING CIRCUITS ARE TO BE PROVIDED WITH SEPARATE NEUTRALS. SIZE BRANCH CONDUITS ACCORDINGLY.
 - 7 ALL NOTED FEEDERS ARE FOR OVERHEAD RUNS OF CONDUIT.
 - 8 ELEVATOR FEED FROM MAIN SWITCHBOARD IS TO FOLLOW EXISTING CONDUITS IN CORRIDORS 805 AND 808.
 - 9 INDICATES JUNCTION BOX/TERMINAL STRIPS FOR EASE OF RELOCATING PANEL. REFER TO DRAWING E1.1 FOR ADDITIONAL INFORMATION.



DISTRIBUTION RISER DIAGRAM
SCALE: NTS

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PROJECT NAME

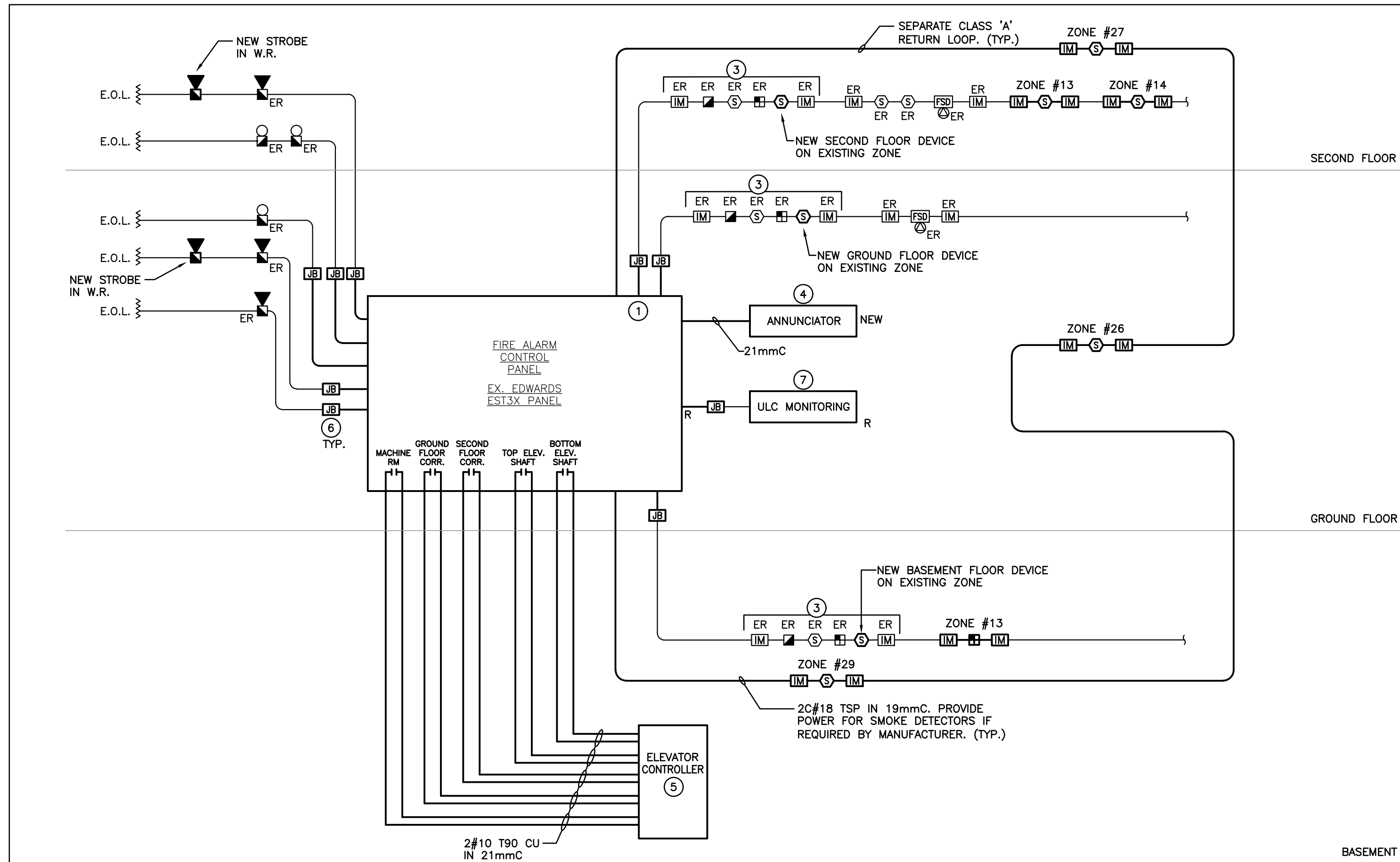
SUDDABY PUBLIC SCHOOL
171 FREDERICK STREET, KITCHENER, ONTARIO

DRAWING TITLE

DISTRIBUTION RISER DIAGRAM

| SCALE | DRAWING NUMBER |
|----------------|----------------|
| AS NOTED | E3.1 |
| SHEET SIZE | |
| PROJECT NUMBER | |

24x36
2022-071



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

RISER DIAGRAM NOTES

- R1-- 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 INTEGRAL SMOKE DETECTOR ALARM AS SIGNAL. A TROUBLE CONDITION SHALL BE ACTIVATED DUE TO THE LOSS OF AC POWER AT THE MAIN CONTROL PANEL, CONSISTING OF AUDIBLE AND VISUAL TROUBLE SIGNAL UNTIL ACKNOWLEDGED BY OPERATOR. SMOKE/FIRE DAMPERS ARE TO BE CONNECTED TO EXISTING GENERAL ALARM ZONE.
- R2-- ELECTRICAL CONTRACTOR IS TO PROVIDE BOOSTER MODULE FOR NEW SIGNAL CIRCUIT AS REQUIRED.

NOTES

- 1 REFER TO FLOOR PLANS FOR EXACT LOCATION AND QUANTITIES OF DEVICES.
- 2 CONTRACTOR IS TO CONFIRM WIRE SIZE (BASED UPON LENGTH OF CIRCUIT RUN AND QUANTITY OF SIGNALS) FOR SIGNAL CIRCUIT WITH MANUFACTURER.
- 3 INDICATES EXISTING DEVICE(S) TO BE RE-VERIFIED AS PART OF FIRE ALARM CONTROL PANEL RELOCATION.
- 4 CONTRACTOR TO INCLUDE FOR UPDATES TO EXISTING REMOTE ANNUNCIATOR AND PASSIVE GRAPHIC.
- 5 CONTACTS WITHIN THE CONTROLLER WILL BE PROVIDED BY THE ELEVATOR SUPPLIER. COORDINATE AND CONNECT ACCORDINGLY.
- 6 INDICATES NEW JUNCTION BOX C/W TERMINAL BLOCK FOR EXTENSION OF SIGNAL AND INITIATING CIRCUIT WIRING IN ACCESSIBLE LOCATION ABOVE DEMOLISHED FIRE ALARM CONTROL PANEL.
- 7 CONTRACTOR IS TO EXTEND CONDUITS AND CIRCUIT FOR THE EXISTING SECURITY AND VOICE (ULC MONITORING) FROM THE EXISTING LOCATION TO NEW.

ALL EXISTING ZONES ARE NOT SHOWN ON RISER. OBTAIN COPY OF EXISTING GRAPHIC AND UPDATE TO SUIT NEW LAYOUT AND ADDITIONAL ZONES. SUBMIT SHOP DRAWING. INCLUDE FOR INTEGRATED LIFE SAFETY TESTING PER SPECIFICATIONS.

FIRE ALARM ANNUNCIATOR SCHEDULE

| Zone | Description | Alarm | Supervisory | New |
|------|--|-------|-------------|-----|
| 1 | BASEMENT | | | |
| 2 | FIRST FLOOR | | | |
| 3 | SECOND FLOOR | | | |
| 4 | FAN ROOM | | | |
| 5 | ATTIC ROOF TOP | | | |
| 6 | BOILER ROOM | | | |
| 7 | STAIR A | | | |
| 8 | STAIR B | | | |
| 9 | STAIR C | | | |
| 10 | STAIR D | | | |
| 11 | STAIR E | | | |
| 12 | FIRE/SMOKE DAMPERS 120V | • | | |
| 13 | ELEVATOR SHAFT | • | | • |
| 14 | ELEVATOR MACHINE ROOM | • | | • |
| 15 | INCOMING SUPERVISED VALVE | | • | • |
| 16 | OUTGOING SUPERVISED VALVE | | • | • |
| 17 | DOUBLE CHECK VALVE ASSEMBLY | | • | • |
| 18 | BASEMENT SUPERVISED VALVE | | • | • |
| 19 | BASEMENT FLOW SWITCH | • | | • |
| 20 | GROUND FLOOR SUPERVISED VALVE | | • | • |
| 21 | GROUND FLOOR FLOW SWITCH | • | | • |
| 22 | SECOND FLOOR SUPERVISED VALVE | | • | • |
| 23 | SECOND FLOOR FLOW SWITCH | • | | • |
| 24 | ATTIC DRY FLOW SWITCH | • | | • |
| 25 | ATTIC DRY SUPERVISED VALVE | | • | • |
| 26 | ELEVATOR LANDINGS FIRST | • | | • |
| 27 | ELEVATOR LANDINGS SECOND | • | | • |
| 28 | DRY COMPRESSED AIR SYSTEM SUPERVISED VALVE | | • | • |
| 29 | ELEVATOR LANDINGS BASEMENT | • | | • |
| 30 | | | | |

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CLIENT

PROJECT NAME

SUDDABY PUBLIC SCHOOL
171 FREDERICK STREET, KITCHENER, ONTARIO

DRAWING TITLE

PARTIAL FIRE ALARM RISER DIAGRAM

| SCALE | DRAWING NUMBER |
|----------------|----------------|
| AS NOTED | |
| SHEET SIZE | |
| 24x36 | E3.2 |
| PROJECT NUMBER | |
| 2022-071 | |

EXISTING PANEL 'A' SCHEDULE

VOLTAGE: 120/208 VOLTS
PHASE: 3P, 4W
MAINS: 100A
NEUTRAL BUS: FULL
MOUNTING: RECESSED
NOTES: SINGLE TUB

Table with columns for circuit number and description. Includes items like FLOOR BOX REC, DESK REC, WALL REC, PRINTER, WASHROOM REC, etc.

PROPOSED PANEL 'A' SCHEDULE

Table with columns for circuit number and description. Includes items like FLOOR BOX REC, DESK REC, WALL REC, PRINTER, WASHROOM REC, etc.

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

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.

NEW PANEL 'RB'

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

Table with columns for circuit number and description. Includes items like STAFF RM FRIDGE REC, STAFF WORKROOM GENERAL REC, UNIV. WASHROOM DEVICES, etc.

NOTE: THE INDICATED PANEL ASSEMBLY MUST HAVE AN INTERRUPTING CAPACITY OF 10000A. PROVIDE BY EITHER FULLY RATED BREAKERS OR INTEGRATED EQUIPMENT RATING WITH THE UPSTREAM BREAKER.

EXISTING PANEL 'RA' SCHEDULE

VOLTAGE: 120/208 VOLTS
PHASE: 3P, 4W
MAINS: 225A
NEUTRAL BUS: FULL
MOUNTING: SURFACE
NOTES: C/W SPRINKLER HOOD

Table with columns for circuit number and description. Includes items like COMPUTER MILLWORK RECEPTACLE, JIFFY POWER ROOM, UNCONFIRMED SPARE, etc.

PROPOSED PANEL 'RA' SCHEDULE

Table with columns for circuit number and description. Includes items like COMPUTER MILLWORK RECEPTACLE, JIFFY POWER ROOM, UNCONFIRMED SPARE, etc.

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

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.

EXISTING PANEL 'H' SCHEDULE BEING REMOVED

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

Table with columns for circuit number and description. Includes items like ROOM 20/21 REC, ROOM 24 REC, ROOM 26/28 REC, etc.

NEW PANEL 'H' SCHEDULE

Table with columns for circuit number and description. Includes items like ROOM 20/21 REC, ROOM 24 REC, ROOM 26/28 REC, etc.

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

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.

EXISTING PANEL 'RP-K' SCHEDULE

VOLTAGE: 120/208 VOLTS
PHASE: 3P, 4W
MAINS: 250A
NEUTRAL BUS: FULL
MOUNTING: RECESSED
NOTES: SINGLE TUB, SIEMENS P1

Table with columns for circuit number and description. Includes items like KINDERGARTEN #9 REC, KINDERGARTEN #7/9 REC, KINDERGARTEN #9 COUNTER REC, etc.

PROPOSED PANEL 'RP-K' SCHEDULE

Table with columns for circuit number and description. Includes items like KINDERGARTEN #9 REC, KINDERGARTEN #7/9 REC, KINDERGARTEN #9 COUNTER REC, etc.

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

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.

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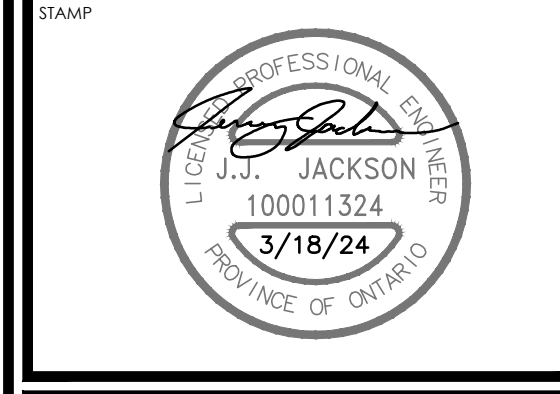
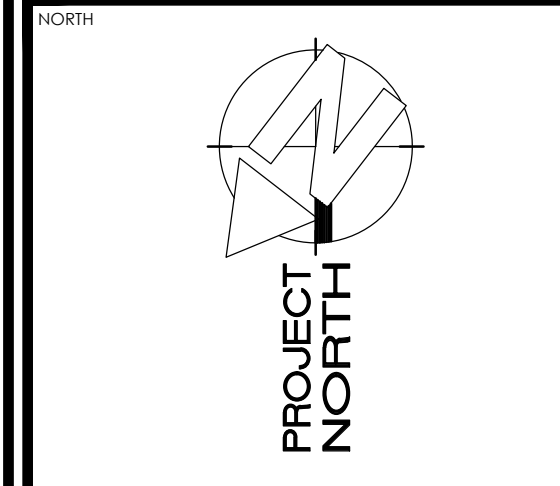
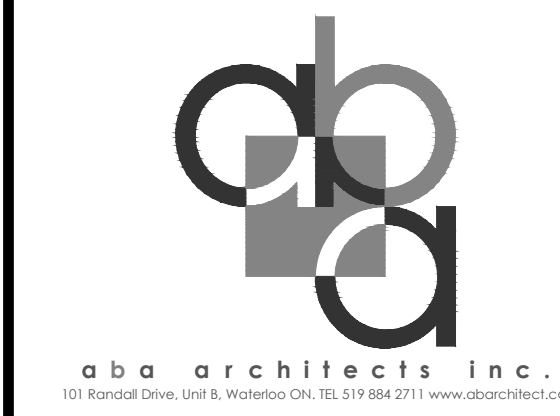


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PROJECT NAME: SUDDABY PUBLIC SCHOOL
171 FREDERICK STREET, KITCHENER, ONTARIO

DRAWING TITLE: PANEL SCHEDULE

Table with columns: SCALE, DRAWING NUMBER, AS NOTED, SHEET SIZE, PROJECT NUMBER. Includes drawing number E3.3 and project number 2022-071.