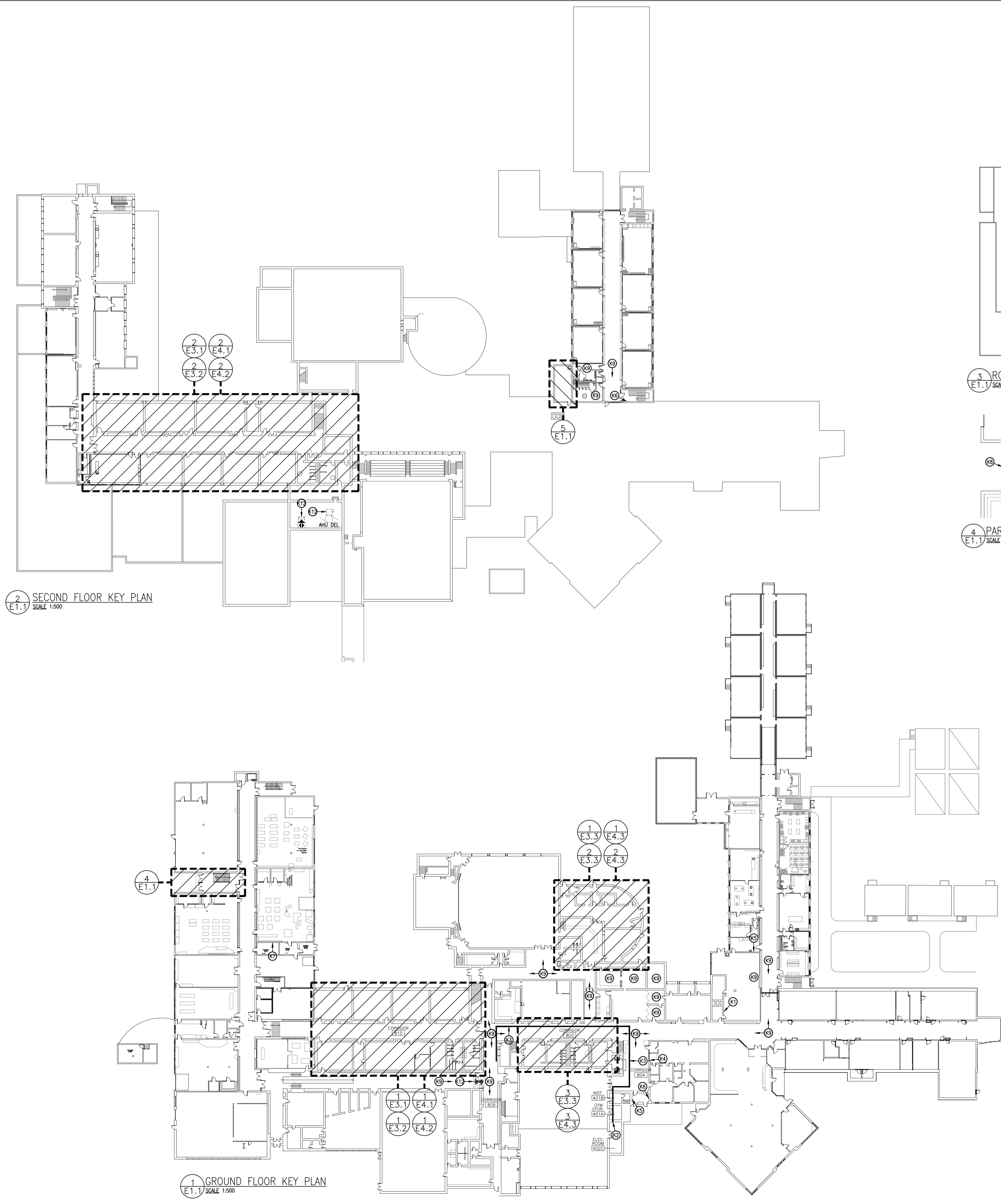


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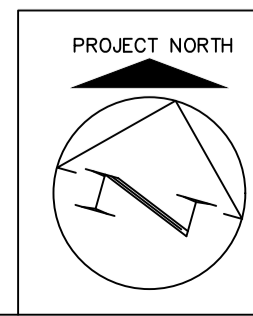
Waterloo Oxford District Secondary School	
WINDOW REPLACEMENTS, INTERIOR ALTERATIONS AND HVAC UPGRADES	
Project No.:	26012
Drawn By:	A.W.T.
Checked By:	A.W.G.

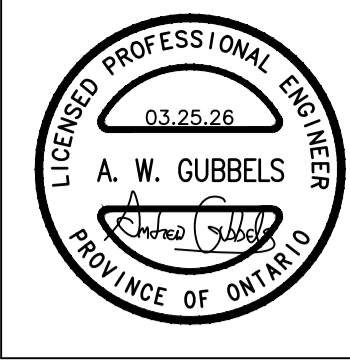
**E1.1**



- PLAN NOTES:**
- (1) EXISTING BOARD 'BBB'.  
• REFER TO SINGLE LINE DIAGRAM FOR MODIFICATIONS.
  - (2) EXISTING SERVICE ENTRANCE BOARD 'BSE'.  
• REFER TO SINGLE LINE DIAGRAM FOR MODIFICATIONS.
  - (3) PROVIDE NEW FEEDER (CONDUCTORS & CONDUIT) FROM 'BSE' TO NEW PANEL 'D1'.  
• REFER TO SINGLE LINE DIAGRAM.  
• SUGGESTED ROUTE INDICATED. DETERMINE OPTIMAL ROUTING ON SITE.  
• PROVIDE PULL BOXES AS REQUIRED.  
• REMOVE AND REPLACE CEILING TILES IN CORRIDORS 803, 804, 809 TO ACCOMMODATE INSTALLATION OF NEW FEEDER.  
• UTILIZE EXISTING ACCESS HATCHES IN 401A AND 401B. PROVIDE NEW AS REQUIRED.  
• REWORK EXISTING CEILING-MOUNTED FIXTURES/DEVICES AND DECK MOUNTED SERVICES (NOT ALL INDICATED).  
• SEAL ALL RATED PENETRATIONS.
  - (4) EXISTING CHUBB-EDWARDS EST4 FIRE ALARM CONTROL PANEL (FACP) SHALL REMAIN. MODIFY AS FOLLOWS:  
• DELETE EXISTING DEVICES AS INDICATED ON PLANS.  
• PROVIDE NEW INITIATING ZONES FOR HVAC-22, ERV-2, AND KITCHEN HOOD SUPPRESSION.  
• PROVIDE NEW SPRINKLER ZONES AS OUTLINED.  
• REWORK EXISTING ADDRESSABLE INITIATING DEVICES AS OUTLINED.  
• EXTEND EXISTING LOOP AND PROVIDE NEW ADDRESSABLE INITIATING DEVICES AS OUTLINED.  
• PROVIDE NEW SIGNALING DEVICES AS OUTLINED.  
• INCLUDE FOR SYSTEM VERIFICATIONS & INTEGRATED TESTING.
  - (5) EXISTING EDWARDS FIRE ALARM ANNUNCIATOR PANEL (FAAP) SHALL REMAIN. MODIFY ZONE LABELING TO REFLECT CONTROL PANEL ALTERATIONS.
  - (6) EXISTING FIRE ALARM ZONING GRAPHIC TO BE UPDATED BY OTHERS. TYPICAL FOR MULTIPLE GRAPHICS, NOT ALL INDICATED.
  - (7) EXISTING 'PTWS' (SQUARE D 'NQ', 120/208V, 400A, 3P, 4W) SHALL REMAIN.  
• PROVIDE 15A-1P BREAKER AND BRANCH WIRING FROM TWBS TO SERVE NEW DOOR OPERATOR.  
• PROVIDE UPDATED TYPED DIRECTORY.
  - (8) PROVIDE NEW LUMINAIRE. MAINTAIN EXISTING BRANCH WIRING & LIGHTING CONTROLS.
  - (9) REWORK EXISTING CEILING-MOUNTED FIXTURES/DEVICES, AND DECK MOUNTED SERVICES (NOT ALL INDICATED) TO PERMIT MECHANICAL & STRUCTURAL MODIFICATIONS AND CEILING REMOVALS BY OTHERS.
  - (10) PROVIDE NEW ACCESS CONTROL/SECURITY DEVICES. CUT AND PATCH EXISTING WALL CONSTRUCTION AS REQUIRED.
  - (11) DELETE EXISTING BRANCH WIRING AND ASSOCIATED CONTROLS FOR DELETED MECHANICAL EQUIPMENT.
  - (12) DELETE EXISTING BRANCH WIRING, ASSOCIATED CONTROLS, DUCT SMOKE AND EQUIPMENT SHUTDOWN DEVICES FOR DELETED MECHANICAL EQUIPMENT.
- THIS AREA OF WORK CONTAINS ASBESTOS CONTAINING MATERIALS (ACM). ALL CONTRACTORS SHALL REFER TO THE ASBESTOS AUDIT AND SECTION 01 35 43, HAZARDOUS MATERIALS FOR APPROPRIATE PROTOCOLS THAT MUST BE FOLLOWED, REGARDLESS OF ABATEMENT OPERATIONS BEING CONDUCTED OR NOT.

DRAWING LIST	
E1.1	ELECTRICAL KEY PLANS
E2.1	LIFE SAFETY PLAN
E2.2	LIFE SAFETY PLAN
E3.1	PARTIAL EXISTING POWER & COMMS PLANS
E3.2	PARTIAL EXISTING LIGHTING PLANS
E3.3	PARTIAL EXISTING ELECTRICAL PLANS
E3.4	PARTIAL EXISTING ROOF PLANS
E4.1	PARTIAL REVISED POWER & COMMS PLANS
E4.2	PARTIAL REVISED LIGHTING PLANS
E4.3	PARTIAL REVISED ELECTRICAL PLANS
E4.4	PARTIAL REVISED ROOF PLANS
E5.1	ELECTRICAL LEGEND & SCHEDULES
E5.2	PARTIAL SINGLE LINE DIAGRAM
E5.3	PARTIAL SINGLE LINE DIAGRAM & PANEL SCHEDULES
E5.4	ELECTRICAL DETAILS & SCHEMATICS





MNE Engineering Inc.  
22 Kivco Place - Box A  
Kitchener, Ontario N2C 2G5  
(519) 894-9908  
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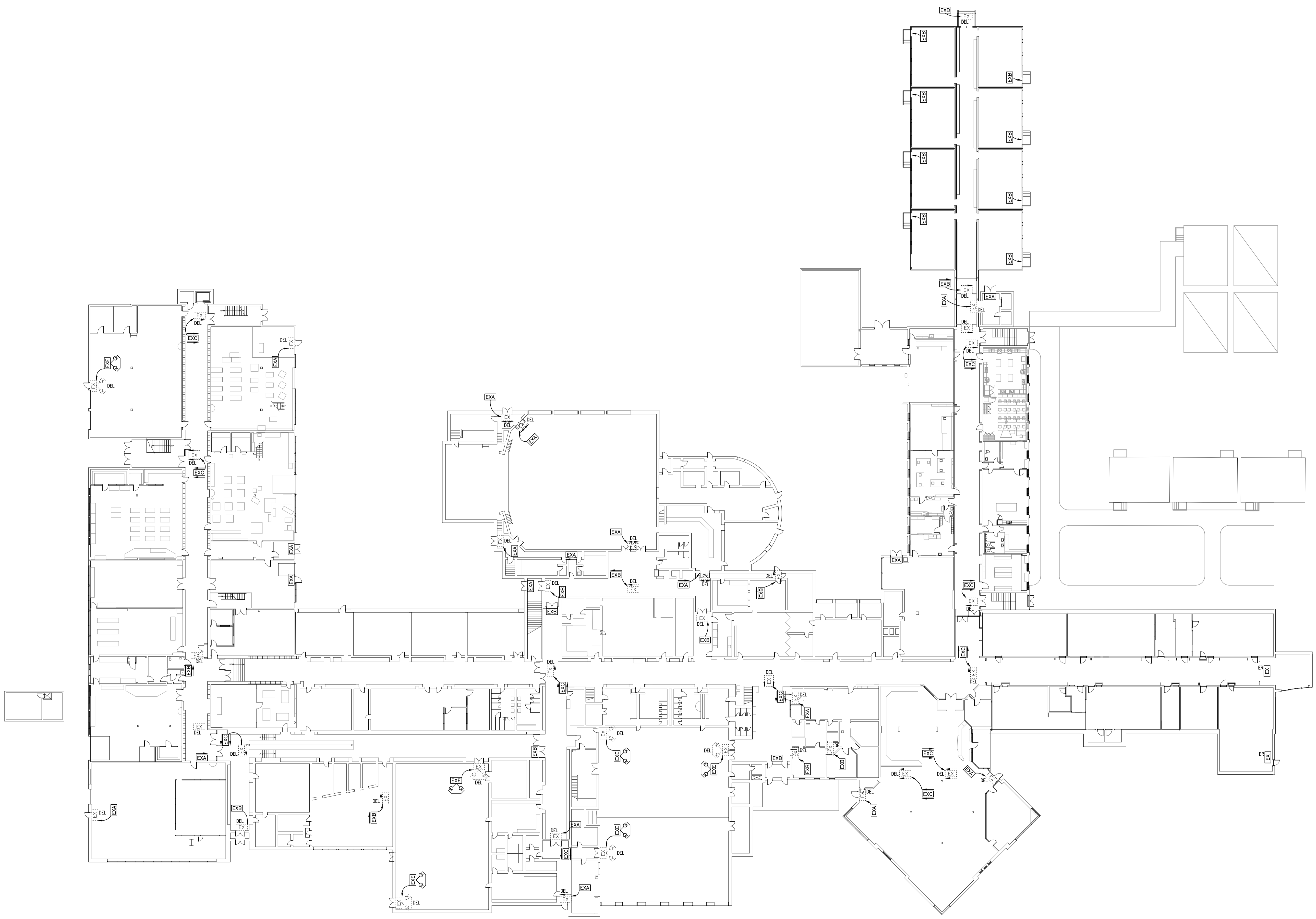
**Waterloo Oxford District Secondary School**  
1206 Spryders Rd W. Baden, On N3A 1A4

WINDOW REPLACEMENTS, INTERIOR ALTERATIONS AND HVAC UPGRADES

**LIFE SAFETY PLAN**

Project No.: 26012  
Drawn By: A.W.T.  
Checked By: A.W.G.

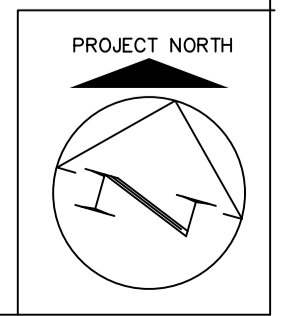
**E2.1**

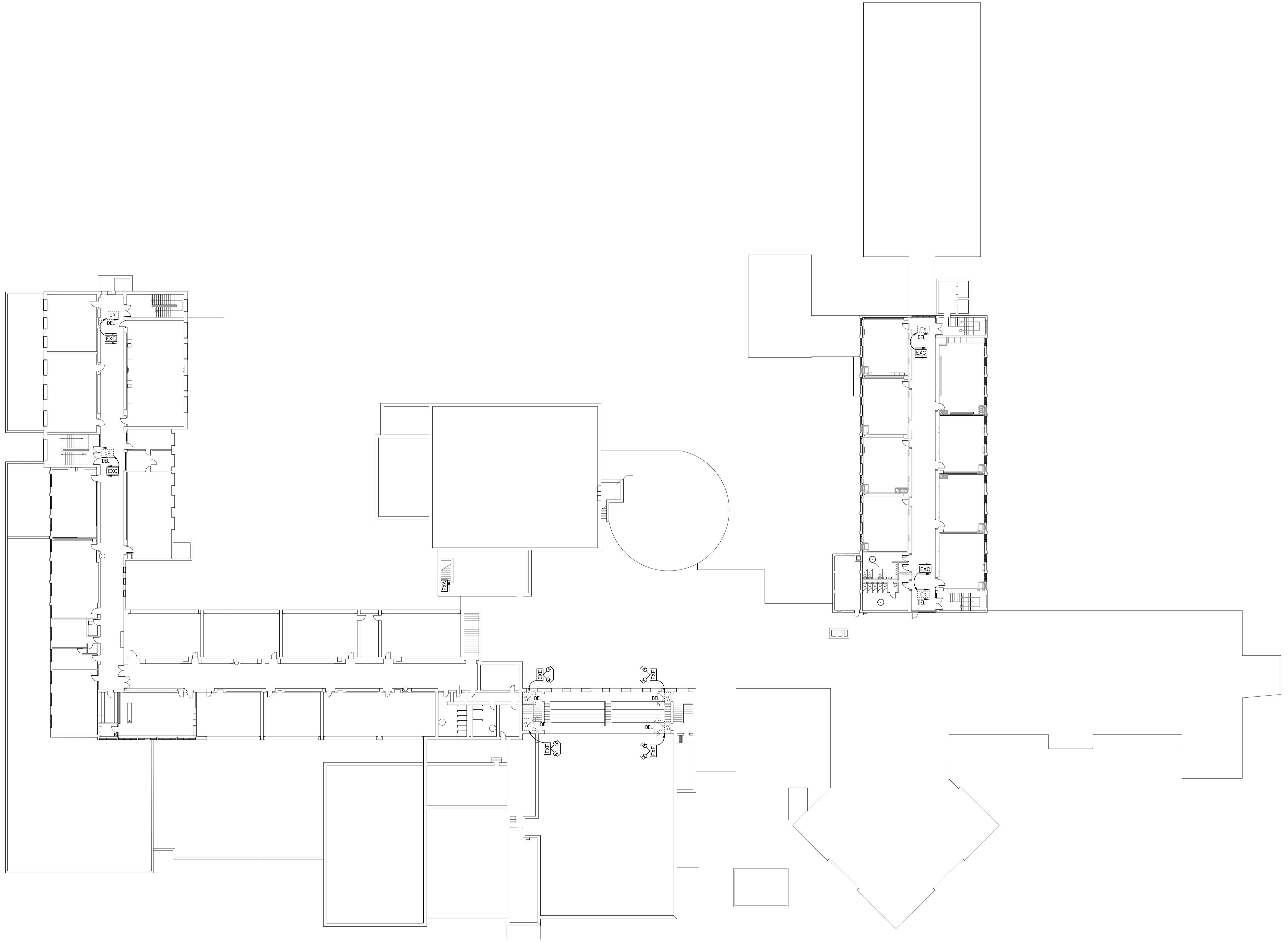


1 GROUND FLOOR LIFE SAFETY PLAN  
E2.1 SCALE 1:300

DELETE EXIT SIGNS AS INDICATED. MAINTAIN 120V CIRCUIT FOR NEW SIGNS.  
EXTEND 120V CIRCUIT(S) TO NEW EXIT SIGNS AS REQUIRED.

THIS AREA OF WORK CONTAINS ASBESTOS CONTAINING MATERIALS (ACM).  
ALL CONTRACTORS SHALL REFER TO THE ASBESTOS AUDIT AND SECTION 01  
35 43, HAZARDOUS MATERIALS FOR APPROPRIATE PROTOCOLS THAT MUST  
BE FOLLOWED, REGARDLESS OF ABATEMENT OPERATIONS BEING CONDUCTED  
OR NOT.

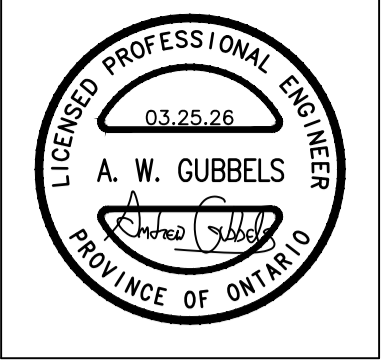
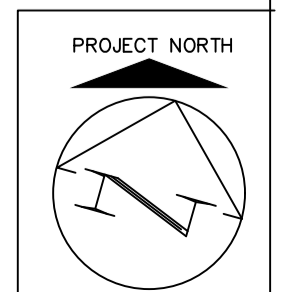




1 SECOND FLOOR LIFE SAFETY PLAN  
E2.2 SCALE 1:300

DELETE EXIT SIGNS AS INDICATED. MAINTAIN 120V CIRCUIT FOR NEW SIGNS.  
EXTEND 120V CIRCUIT(S) TO NEW EXIT SIGNS AS REQUIRED.

THIS AREA OF WORK CONTAINS ASBESTOS CONTAINING MATERIALS (ACM).  
ALL CONTRACTORS SHALL REFER TO THE ASBESTOS AUDIT AND SECTION 01  
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**MNE ENGINEERING**  
MNE Engineering Inc.  
22 Kewco Place - Box A  
Kitchener, Ontario N2C 2G5  
(519) 864-9908  
www.mneengineering.ca

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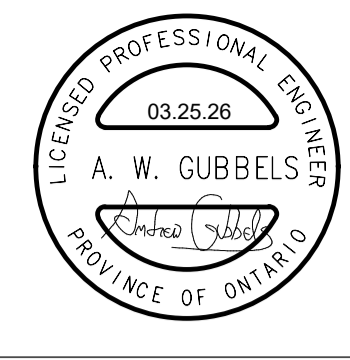
**Waterloo Oxford District Secondary School**  
WINDOW REPLACEMENTS, INTERIOR ALTERATIONS AND HVAC UPGRADES

1206 Spydels Rd W, Baden, On N3A 1A4

Project No.: 26012  
Drawn By: A.W.T.  
Checked By: A.W.G.

**LIFE SAFETY PLAN**

E2.2



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220 Keele Street, Suite 102  
Kitchener, Ontario N2C 2G5  
(519) 894-9408  
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ISSUED FOR COORDINATION  
03/16/26  
ISSUED FOR BID  
03/27/26

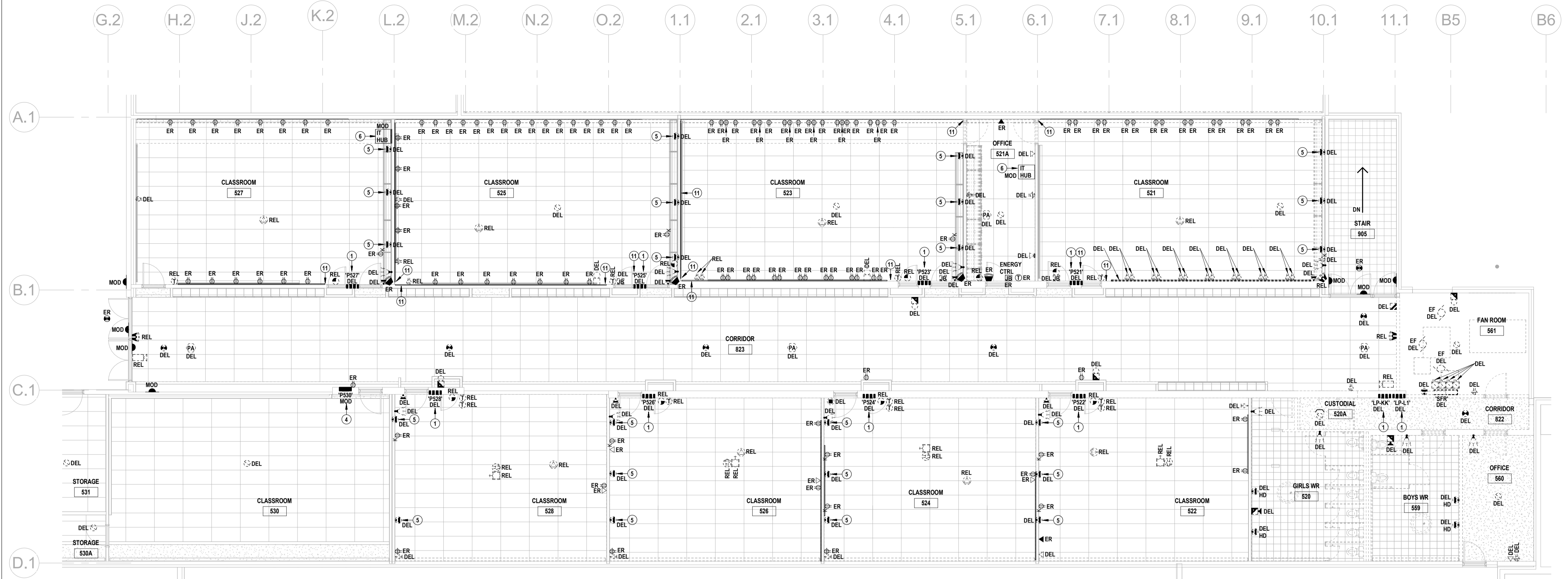


**Waterloo Oxford District Secondary School**  
1206 Snyder's Rd W., Baden, ON N3A 1A4

PROJECT NO.: 26012  
DRAWN BY: A.W.T.  
CHECKED BY: A.W.G.

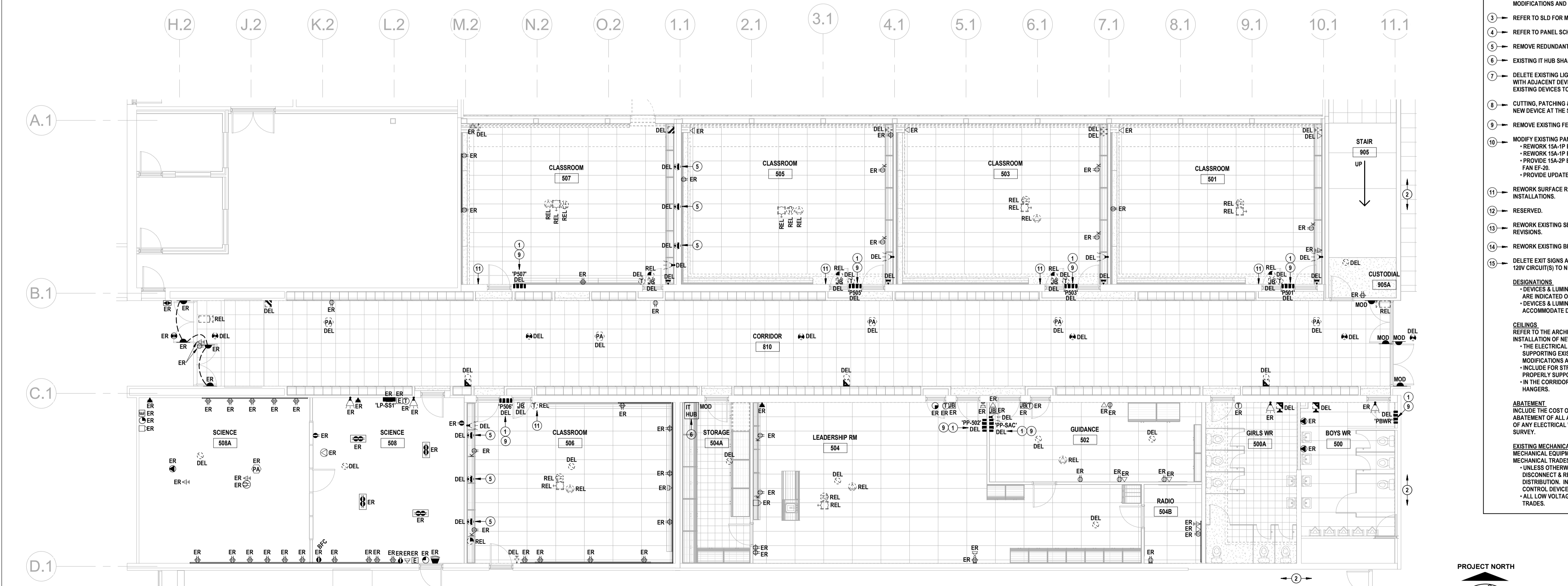
WINDOW REPLACEMENTS, INTERIOR ALTERATIONS AND HVAC UPGRADES  
**PARTIAL EXISTING POWER & COMMS PLANS**

**E3.1**



**2 PARTIAL EXISTING SECOND FLOOR POWER & COMMS PLAN**  
E3.1 SCALE: 1/16"

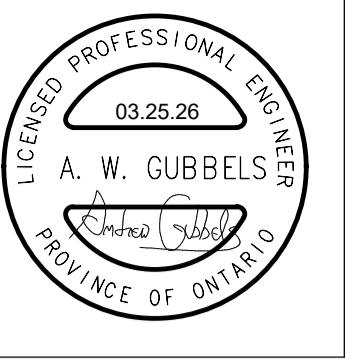
- EXISTING DRAWING NOTES**
- DELETE EXISTING DISTRIBUTION PANEL.  
- CUTTING, PATCHING AND FINISHING OF WALL CONSTRUCTION BY OTHERS.  
- REFER TO SLD.
  - SALVAGE BREAKERS AND PANEL. TURN OVER TO SCHOOL CUSTODIAN FOR FUTURE MAINTENANCE USE.  
- REWORK EXISTING BRANCH CIRCUITS TO NEW PANELS.
  - REFER TO SLD FOR MODIFICATIONS.
  - REFER TO PANEL SCHEDULE FOR MODIFICATIONS.
  - REMOVE REDUNDANT BALLAST BOX. PATCH WALL. WALL FINISH BY OTHERS.
  - EXISTING IT HUB SHALL BE MODIFIED BY OTHERS.
  - DELETE EXISTING LIGHTING CONTROL DEVICE. LIGHTING CONTROL DEVICE IS GANGED WITH ADJACENT DEVICE. PROVIDE NEW COVERPLATE OF CONFIGURATION TO SUIT EXISTING DEVICES TO REMAIN.
  - CUTTING, PATCHING & FINISHING OF WALL BY OTHERS AS REQUIRED TO RECESS THE NEW DEVICE AT THE SPECIFIED HEIGHT.
  - REMOVE EXISTING FEEDER BACK TO SOURCE. FIELD VERIFY SOURCE.
  - MODIFY EXISTING PANEL LP-N (FEDERAL PIONEER NBLP 428-4L, 120/208V, 3PH, 4W, 225A).  
- REWORK 15A-1P BREAKER AND BRANCH WIRING FROM N32 TO N37.  
- REWORK 15A-1P BREAKER AND BRANCH WIRING FROM N34 TO N42.  
- PROVIDE 15A-2P BREAKER AND BRANCH WIRING FROM N42,34 TO NEW EXHAUST FAN EF-20.  
- PROVIDE UPDATED TYPED PANEL DIRECTORY.
  - REWORK SURFACE RACEWAY (NOT ALL INDICATED) TO ACCOMMODATE NEW INSTALLATIONS.
  - RESERVED.
  - REWORK EXISTING SERVICE POLE AS REQUIRED TO ACCOMMODATE CEILING REVISIONS.
  - REWORK EXISTING BRANCH WIRING FOR NEW LIGHTING CONTROLS AND LUMINAIRES.
  - DELETE EXIT SIGNS AS INDICATED. MAINTAIN 120V CIRCUIT FOR NEW SIGNS. EXTEND 120V CIRCUIT(S) TO NEW EXIT SIGNS AS REQUIRED.
- DESIGNATIONS**
- DEVICES & LUMINAIRES WITHOUT DESIGNATION ARE EXISTING TO REMAIN. ITEMS ARE INDICATED ONLY FOR COORDINATION.
  - DEVICES & LUMINAIRES WITH THE 'REL' DESIGNATION ARE TO BE REWORKED TO ACCOMMODATE DELETION OF EXISTING, AND PROVISION OF NEW CEILING.
- CEILING**
- REFER TO THE ARCHITECTURAL PLANS FOR REMOVAL OF EXISTING CEILING AND INSTALLATION OF NEW CEILING (WHERE APPLICABLE).
  - THE ELECTRICAL SUBCONTRACTOR SHALL INCLUDE FOR REMOVAL AND RE-SUPPORTING EXISTING CONDUIT, BOXES & CABLES TO PERMIT CEILING MODIFICATIONS AND INSTALLATION OF FIRE SPRAY.
  - INCLUDE FOR STRAPPING EXISTING CONDUITS AND CABLES THAT ARE NOT PROPERLY SUPPORTED AND ARE REQUIRED TO REMAIN.
  - IN THE CORRIDORS, MOVE EXISTING COMMUNICATIONS CABLE ONTO NEW HANGERS.
- ABATEMENT**
- INCLUDE THE COST OF RETAINING A WRDSB-APPROVED SUBCONTRACTOR FOR THE ABATEMENT OF ALL ASBESTOS CONTAINING MATERIAL (ACM) WITHIN A 50MM RADIUS OF ANY ELECTRICAL WORK. REFER TO THE OWNER'S HAZARDOUS MATERIALS BUILDING SURVEY.
- EXISTING MECHANICAL EQUIPMENT**
- MECHANICAL EQUIPMENT INDICATED TO BE DELETED SHALL BE REMOVED BY MECHANICAL TRADES.
  - UNLESS OTHERWISE INDICATED, THE ELECTRICAL SUBCONTRACTOR SHALL DISCONNECT & REMOVE ALL LINE VOLTAGE POWER WIRING BACK TO POINT OF DISTRIBUTION. INCLUDE FOR DISCONNECTING ALL LINE VOLTAGE FEEDS TO CONTROL DEVICES.
  - ALL LOW VOLTAGE CONTROL CABLING SHALL BE REMOVED BY MECHANICAL TRADES.



**1 PARTIAL EXISTING GROUND FLOOR POWER & COMMS PLAN**  
E3.1 SCALE: 1/16"



THIS AREA OF WORK CONTAINS ASBESTOS CONTAINING MATERIALS (ACM). ALL CONTRACTORS SHALL REFER TO THE ASBESTOS AUDIT AND SECTION 01 35 43, HAZARDOUS MATERIALS FOR APPROPRIATE PROTOCOLS THAT MUST BE FOLLOWED, REGARDLESS OF ABATEMENT OPERATIONS BEING CONDUCTED OR NOT.



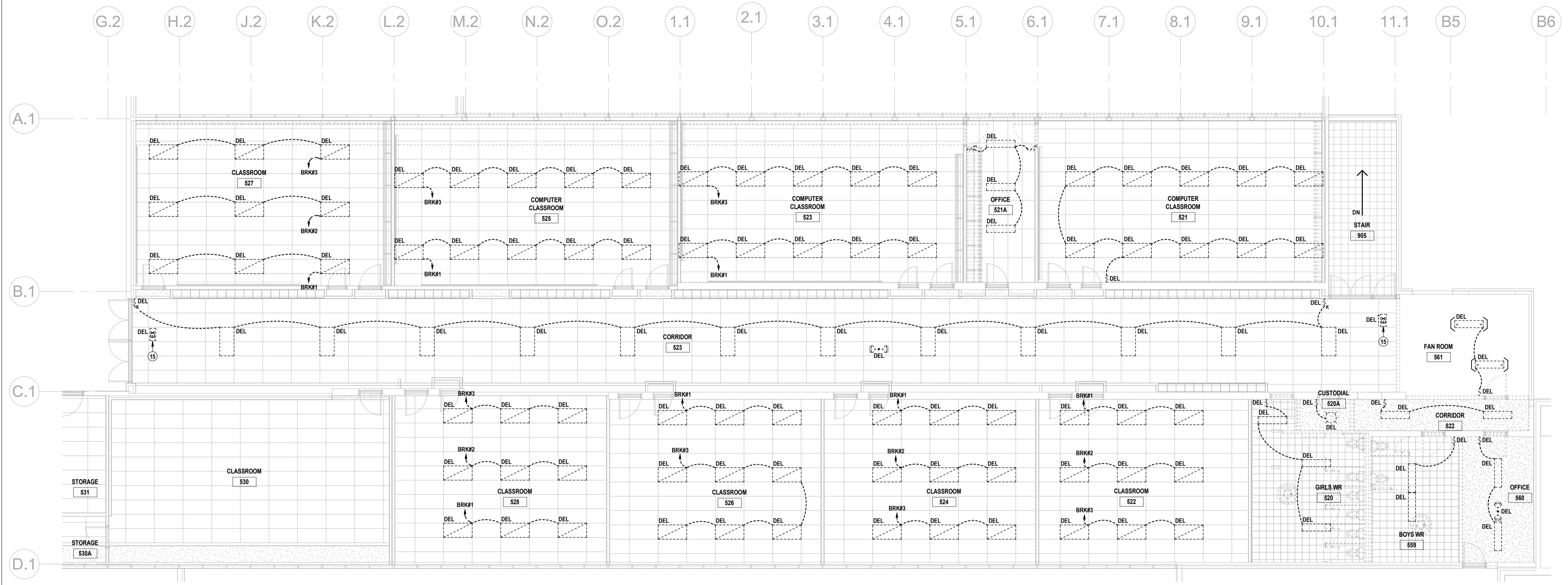
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 2200 Kitchener Rd. Unit 104  
 Kitchener, Ontario N2C 2G5  
 (519) 894-9408  
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03/16/26	ISSUED FOR COORDINATION	A.W.G.
03/27/26	ISSUED FOR BID	A.W.G.

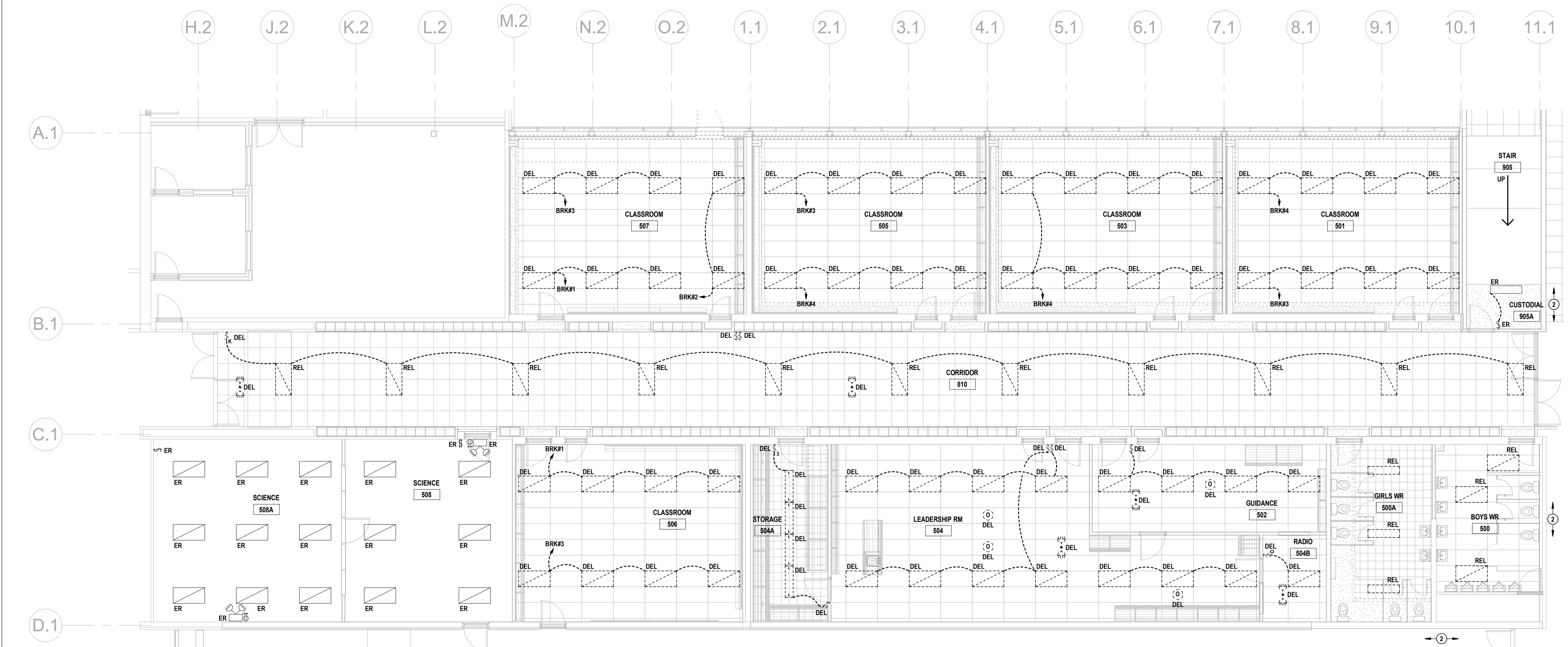


**Waterloo Oxford District Secondary School**  
 WINDOW REPLACEMENTS, INTERIOR ALTERATIONS AND HVAC UPGRADES  
 1206 Snyder's Rd W., Baden, ON N3A 1A4  
 Project No.: 26012  
 Checked By: A.W.G.  
 Drawn By: A.W.T.

**E3.2**

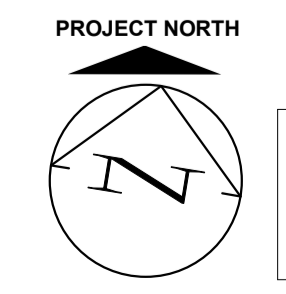


2 PARTIAL EXISTING SECOND FLOOR LIGHTING PLAN  
 E3.2 SCALE: 1/100

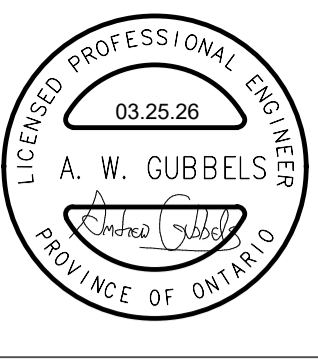


1 PARTIAL EXISTING GROUND FLOOR LIGHTING PLAN  
 E3.1 SCALE: 1/100

- EXISTING DRAWING NOTES**
- DELETE EXISTING DISTRIBUTION PANEL.  
 - CUTTING, PATCHING AND FINISHING OF WALL CONSTRUCTION BY OTHERS.  
 - REFER TO SLD.  
 - SALVAGE BREAKERS AND PANEL. TURN OVER TO SCHOOL CUSTODIAN FOR FUTURE MAINTENANCE USE.  
 - REWORK EXISTING BRANCH CIRCUITS TO NEW PANELS.
  - REWORK EXISTING CEILING-MOUNTED FIXTURES/DEVICES, AND DECK MOUNTED SERVICES (NOT ALL INDICATED) TO PERMIT MECHANICAL & STRUCTURAL MODIFICATIONS AND CEILING REMOVALS BY OTHERS.
  - REFER TO SLD FOR MODIFICATIONS.
  - REFER TO PANEL SCHEDULE FOR MODIFICATIONS.
  - REMOVE REDUNDANT BALLAST BOX. PATCH WALL. WALL FINISH BY OTHERS.
  - EXISTING IT HUB SHALL BE MODIFIED BY OTHERS.
  - DELETE EXISTING LIGHTING CONTROL DEVICE. LIGHTING CONTROL DEVICE IS GANGED WITH ADJACENT DEVICE. PROVIDE NEW COVERPLATE OF CONFIGURATION TO SUIT EXISTING DEVICES TO REMAIN.
  - CUTTING, PATCHING & FINISHING OF WALL BY OTHERS AS REQUIRED TO RECESS THE NEW DEVICE AT THE SPECIFIED HEIGHT.
  - REMOVE EXISTING FEEDER BACK TO SOURCE. FIELD VERIFY SOURCE.
  - MODIFY EXISTING PANEL LP-N (FEDERAL PIONEER NBLP 428-4L, 120/208V, 3PH, 4W, 225A).  
 - REWORK 15A-1P BREAKER AND BRANCH WIRING FROM N32 TO N37.  
 - REWORK 15A-1P BREAKER AND BRANCH WIRING FROM N34 TO N42.  
 - PROVIDE 15A-2P BREAKER AND BRANCH WIRING FROM N42,34 TO NEW EXHAUST FAN EF-20.  
 - PROVIDE UPDATED TYPED PANEL DIRECTORY.
  - REWORK SURFACE RACEWAY (NOT ALL INDICATED) TO ACCOMMODATE NEW INSTALLATIONS.
  - RESERVED.
  - REWORK EXISTING SERVICE POLE AS REQUIRED TO ACCOMMODATE CEILING REVISIONS.
  - REWORK EXISTING BRANCH WIRING FOR NEW LIGHTING CONTROLS AND LUMINAIRES.
  - DELETE EXIT SIGNS AS INDICATED. MAINTAIN 120V CIRCUIT FOR NEW SIGNS. EXTEND 120V CIRCUIT(S) TO NEW EXIT SIGNS AS REQUIRED.
- DESIGNATIONS**  
 - DEVICES & LUMINAIRES WITHOUT DESIGNATION ARE EXISTING TO REMAIN. ITEMS ARE INDICATED ONLY FOR COORDINATION.  
 - DEVICES & LUMINAIRES WITH THE 'REL' DESIGNATION ARE TO BE REWORKED TO ACCOMMODATE DELETION OF EXISTING, AND PROVISION OF NEW CEILING.
- CEILING**  
 REFER TO THE ARCHITECTURAL PLANS FOR REMOVAL OF EXISTING CEILING AND INSTALLATION OF NEW CEILING (WHERE APPLICABLE).  
 - THE ELECTRICAL SUBCONTRACTOR SHALL INCLUDE FOR REMOVING AND RE-SUPPORTING EXISTING CONDUIT, BOXES & CABLES TO PERMIT CEILING MODIFICATIONS AND INSTALLATION OF FIRE SPRAY.  
 - INCLUDE FOR STRAPPING EXISTING CONDUITS AND CABLES THAT ARE NOT PROPERLY SUPPORTED AND ARE REQUIRED TO REMAIN.  
 - IN THE CORRIDORS, MOVE EXISTING COMMUNICATIONS CABLE ON TO NEW HANGERS.
- ABATEMENT**  
 INCLUDE THE COST OF RETAINING A WR058-APPROVED SUBCONTRACTOR FOR THE ABATEMENT OF ALL ASBESTOS CONTAINING MATERIAL (ACM) WITHIN A 50MM RADIUS OF ANY ELECTRICAL WORK. REFER TO THE OWNER'S HAZARDOUS MATERIALS BUILDING SURVEY.
- EXISTING MECHANICAL EQUIPMENT**  
 MECHANICAL EQUIPMENT INDICATED TO BE DELETED SHALL BE REMOVED BY MECHANICAL TRADES.  
 - UNLESS OTHERWISE INDICATED, THE ELECTRICAL SUBCONTRACTOR SHALL DISCONNECT & REMOVE ALL LINE VOLTAGE POWER WIRING BACK TO POINT OF DISTRIBUTION. INCLUDE FOR DISCONNECTING ALL LINE VOLTAGE FEEDS TO CONTROL DEVICES.  
 - ALL LOW VOLTAGE CONTROL CABLEING SHALL BE REMOVED BY MECHANICAL TRADES.



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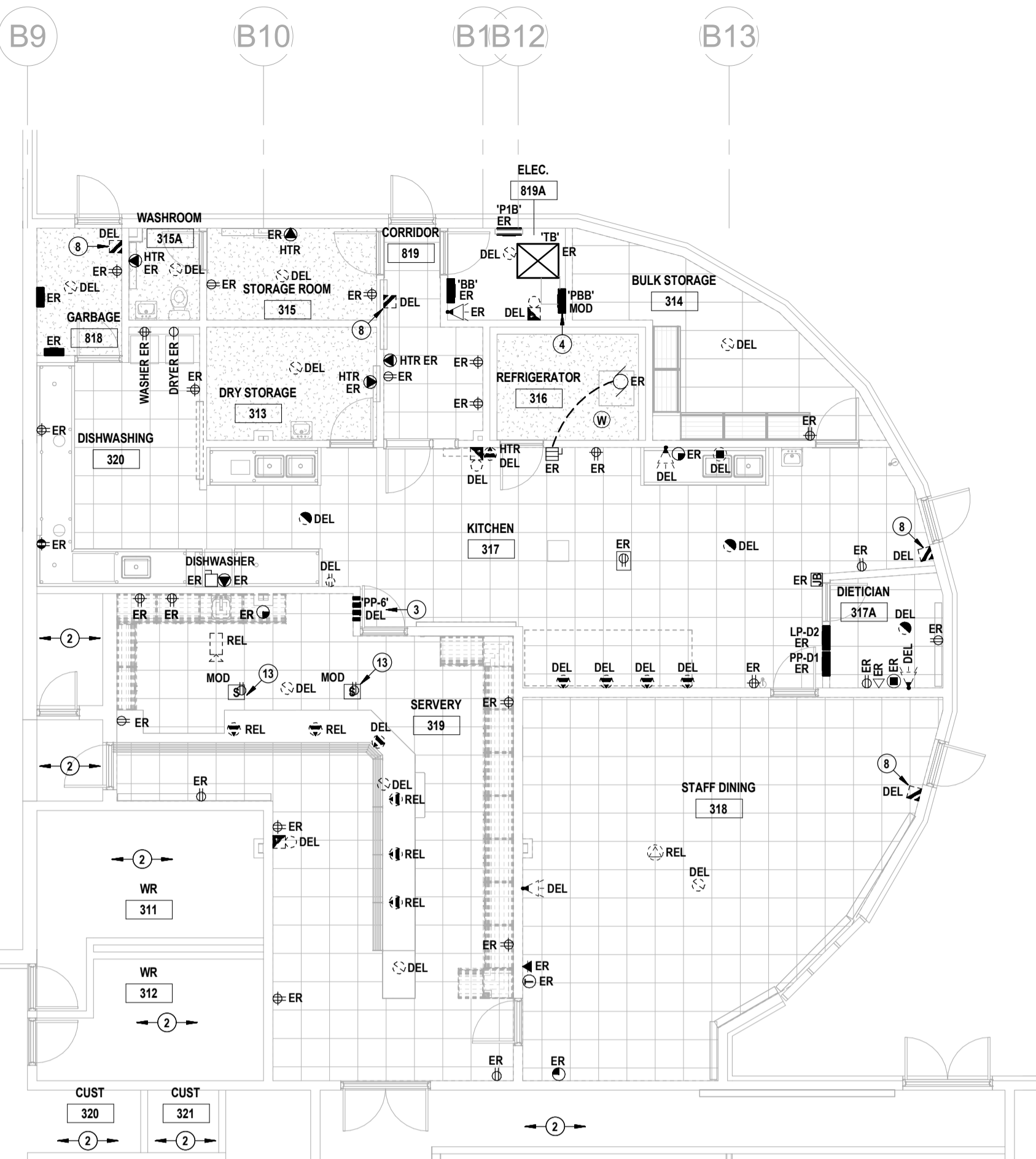


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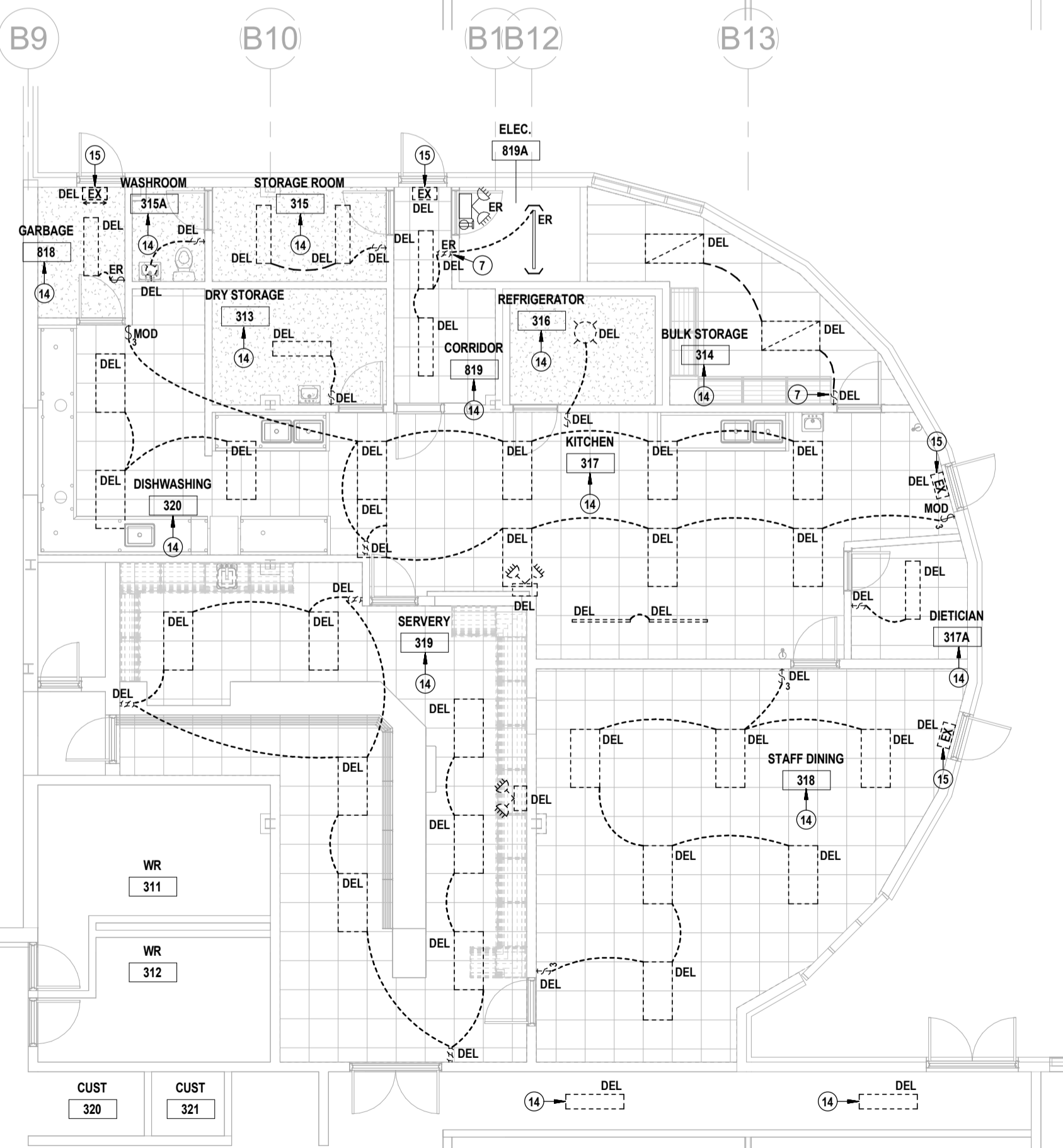


**Waterloo Oxford District Secondary School**  
WINDOW REPLACEMENTS, INTERIOR ALTERATIONS AND HVAC UPGRADES  
PARTIAL EXISTING ELECTRICAL PLANS  
1206 Snyder's Rd W., Baden, ON N3A 1A4  
Project No.: 26012  
Checked By: A.W.G.  
Drawn By: A.W.T.

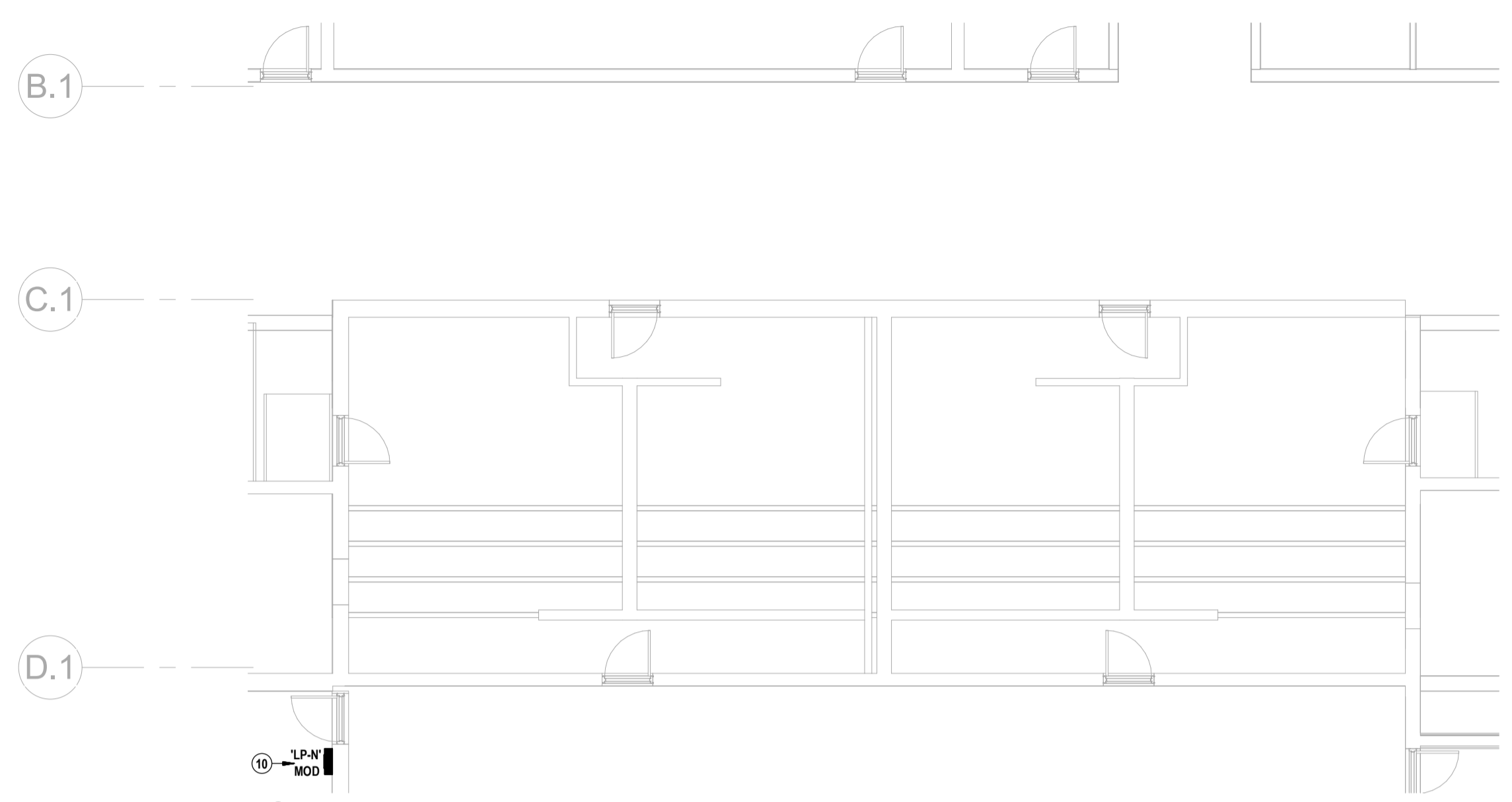
E3.3



1 PARTIAL EXISTING KITCHEN POWER & COMMS PLAN  
E3.3 SCALE: 1:100



2 PARTIAL EXISTING KITCHEN LIGHTING PLAN  
E3.3 SCALE: 1:100



3 PARTIAL EXISTING CHANGEROOM POWER & COMMS PLAN  
E3.3 SCALE: 1:100

**EXISTING DRAWING NOTES**

- 1 DELETE EXISTING DISTRIBUTION PANEL.  
- CUTTING, PATCHING AND FINISHING OF WALL CONSTRUCTION BY OTHERS.  
- REFER TO SLD.  
- SALVAGE BREAKERS AND PANEL. TURN OVER TO SCHOOL CUSTODIAN FOR FUTURE MAINTENANCE USE.  
- REWORK EXISTING BRANCH CIRCUITS TO NEW PANELS.
- 2 REWORK EXISTING CEILING-MOUNTED FIXTURES/DEVICES, AND DECK MOUNTED SERVICES (NOT ALL INDICATED) TO PERMIT MECHANICAL & STRUCTURAL MODIFICATIONS AND CEILING REMOVALS BY OTHERS.
- 3 REFER TO SLD FOR MODIFICATIONS.
- 4 REFER TO PANEL SCHEDULE FOR MODIFICATIONS.
- 5 REMOVE REDUNDANT BALLAST BOX. PATCH WALL. WALL FINISH BY OTHERS.
- 6 EXISTING IT HUB SHALL BE MODIFIED BY OTHERS.
- 7 DELETE EXISTING LIGHTING CONTROL DEVICE. LIGHTING CONTROL DEVICE IS GANGED WITH ADJACENT DEVICE. PROVIDE NEW COVERPLATE OF CONFIGURATION TO SUIT EXISTING DEVICES TO REMAIN.
- 8 CUTTING, PATCHING & FINISHING OF WALL BY OTHERS AS REQUIRED TO RECESS THE NEW DEVICE AT THE SPECIFIED HEIGHT.
- 9 REMOVE EXISTING FEEDER BACK TO SOURCE. FIELD VERIFY SOURCE.
- 10 MODIFY EXISTING PANEL LP-N (FEDERAL PIONEER NBLP 425-4L, 120/200V, 3PH, 4W, 225A).  
- REWORK 15A-1P BREAKER AND BRANCH WIRING FROM N42 TO N37.  
- PROVIDE 15A-2P BREAKER AND BRANCH WIRING FROM N32,34 TO NEW EXHAUST FAN EF-20.  
- PROVIDE UPDATED TYPED PANEL DIRECTORY.
- 11 REWORK SURFACE RACEWAY (NOT ALL INDICATED) TO ACCOMMODATE NEW INSTALLATIONS.
- 12 RESERVED.
- 13 REWORK EXISTING SERVICE POLE AS REQUIRED TO ACCOMMODATE CEILING REVISIONS.
- 14 REWORK EXISTING BRANCH WIRING FOR NEW LIGHTING CONTROLS AND LUMINAIRES.
- 15 DELETE EXIT SIGNS AS INDICATED. MAINTAIN 120V CIRCUIT FOR NEW SIGNS. EXTEND 120V CIRCUIT(S) TO NEW EXIT SIGNS AS REQUIRED.

**DESIGNATIONS:**

- DEVICES & LUMINAIRES WITHOUT DESIGNATION ARE EXISTING TO REMAIN. ITEMS ARE INDICATED ONLY FOR COORDINATION.
- DEVICES & LUMINAIRES WITH THE 'REL' DESIGNATION ARE TO BE REWORKED TO ACCOMMODATE DELETION OF EXISTING, AND PROVISION OF NEW CEILINGS.

**CEILINGS:**

- REFER TO THE ARCHITECTURAL PLANS FOR REMOVAL OF EXISTING CEILINGS AND INSTALLATION OF NEW CEILINGS (WHERE APPLICABLE).
- THE ELECTRICAL SUBCONTRACTOR SHALL INCLUDE FOR REMOVING AND RE-SUPPORTING EXISTING CONDUIT, BOXES & CABLES TO PERMIT CEILING MODIFICATIONS AND INSTALLATION OF FIRE SPRAY.
- INCLUDE FOR STRAPPING EXISTING CONDUITS AND CABLES THAT ARE NOT PROPERLY SUPPORTED AND ARE REQUIRED TO REMAIN.
- IN THE CORRIDORS, MOVE EXISTING COMMUNICATIONS CABLING ONTO NEW HANGERS.

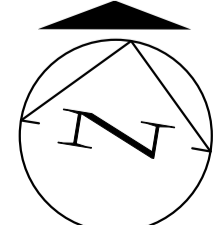
**ABATEMENT:**

- INCLUDE THE COST OF RETAINING A WRDSB-APPROVED SUBCONTRACTOR FOR THE ABATEMENT OF ALL ASBESTOS CONTAINING MATERIAL (ACM) WITHIN A 600MM RADIUS OF ANY ELECTRICAL WORK. REFER TO THE OWNER'S HAZARDOUS MATERIALS BUILDING SURVEY.

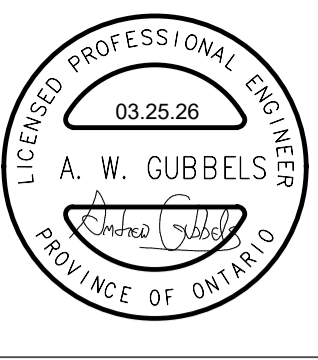
**EXISTING MECHANICAL EQUIPMENT:**

- MECHANICAL EQUIPMENT INDICATED TO BE DELETED SHALL BE REMOVED BY MECHANICAL TRADES.
- UNLESS OTHERWISE INDICATED, THE ELECTRICAL SUBCONTRACTOR SHALL DISCONNECT & REMOVE ALL LINE VOLTAGE POWER WIRING BACK TO POINT OF DISTRIBUTION. INCLUDE FOR DISCONNECTING ALL LINE VOLTAGE FEEDS TO CONTROL DEVICES.
- ALL LOW VOLTAGE CONTROL CABLING SHALL BE REMOVED BY MECHANICAL TRADES.

PROJECT NORTH



THIS AREA OF WORK CONTAINS ASBESTOS CONTAINING MATERIALS (ACM). ALL CONTRACTORS SHALL REFER TO THE ASBESTOS AUDIT AND SECTION 01 35 43, HAZARDOUS MATERIALS FOR APPROPRIATE PROTOCOLS THAT MUST BE FOLLOWED, REGARDLESS OF ABATEMENT OPERATIONS BEING CONDUCTED OR NOT.



**MNE ENGINEERING**

MNE Engineering Inc.  
22 Keele Street  
Kitchener, Ontario N2C 2G5  
Tel: (519) 894-9408  
www.mneengineering.ca

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ISSUED FOR COORDINATION	A.W.G.
ISSUED FOR COORDINATION	A.W.G.
ISSUED FOR BID	A.W.G.



**Waterloo Oxford District Secondary School**

WINDOW REPLACEMENTS, INTERIOR ALTERATIONS AND HVAC UPGRADES

1206 Snyder's Rd W., Baden, ON N3A 1A4

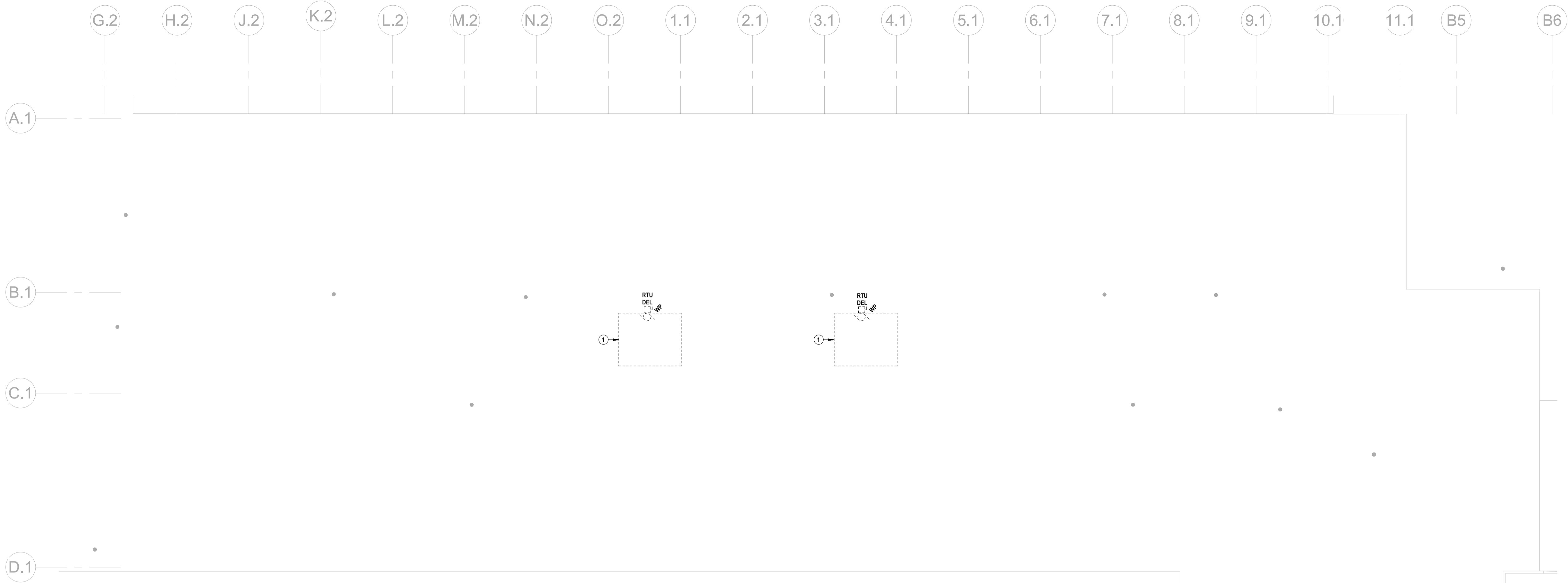
Project No.: 26012

Checked By: A.W.G.

Drawn By: A.W.T.

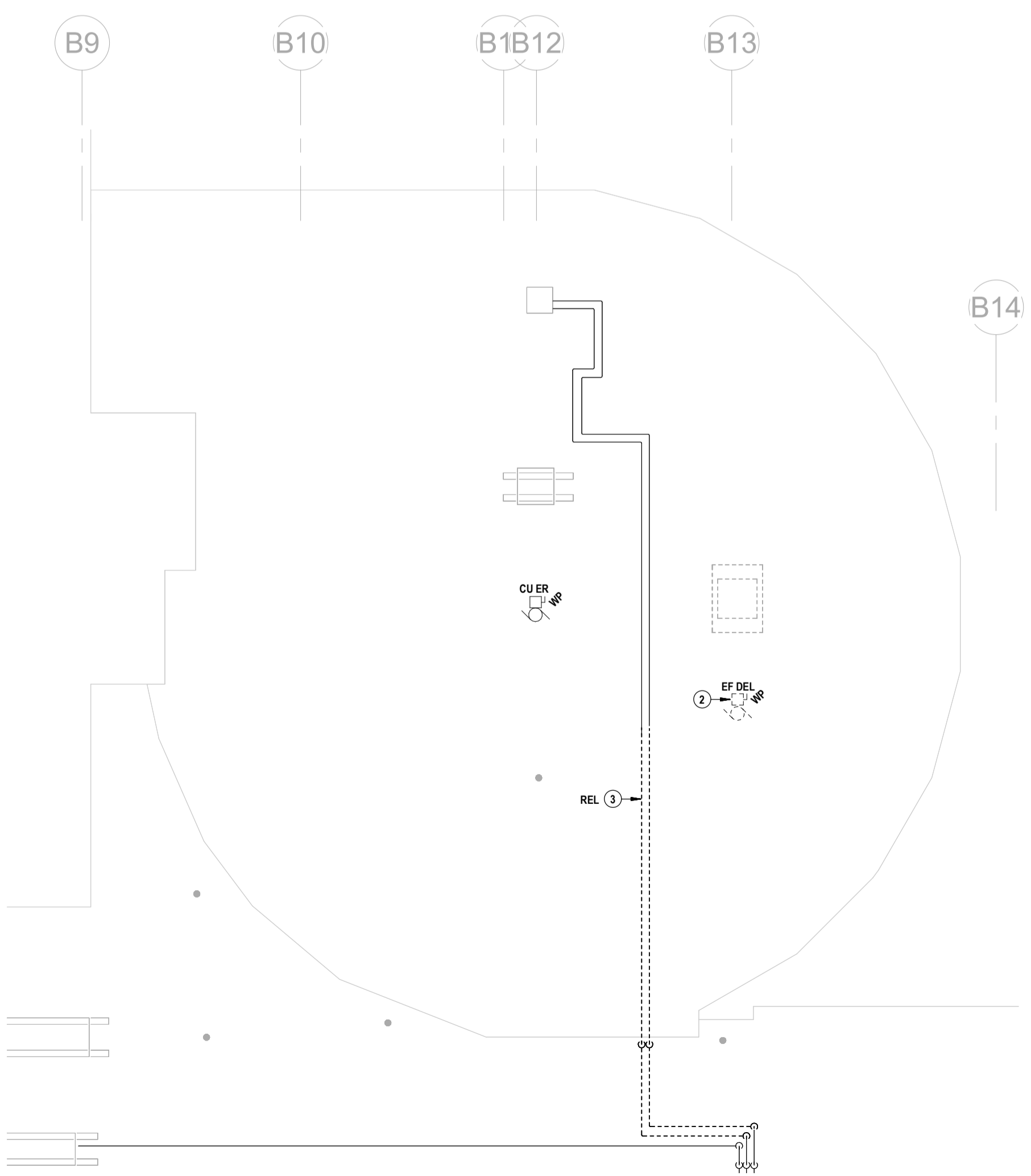
**PARTIAL EXISTING ROOF PLANS**

**E3.4**

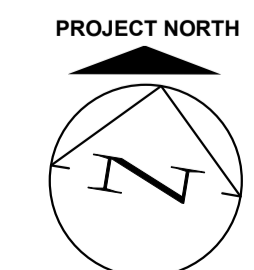


**1 PARTIAL EXISTING ROOF PLAN**  
E3.4 SCALE: 1:100

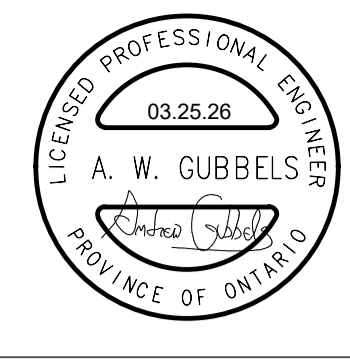
- EXISTING ROOF NOTES**
- ① → EXISTING ROOFTOP UNIT TO BE DELETED & REPLACED WITH NEW BY DIVISION 23.
    - DELETE EXISTING BRANCH FEEDER.
    - DELETE LOCAL DISCONNECT SWITCH.
    - DELETE CONDUIT, ASSOCIATED SUPPORTS, BOXES, ETC. (NOT ALL INDICATED).
    - REPAIR ROOF PENETRATIONS. COORDINATE WITH MECHANICAL AND ROOFING TRADES.
  - ② → EXISTING FAN TO BE DELETED BY DIVISION 23.
    - DELETE EXISTING BRANCH FEEDER.
    - DELETE CONDUIT, ASSOCIATED SUPPORTS, BOXES, ETC. (NOT ALL INDICATED).
    - REPAIR ROOF PENETRATIONS. COORDINATE WITH MECHANICAL AND ROOFING TRADES.
  - ③ → REROUTE EXISTING PARALLEL TECK CABLES TO ACCOMMODATE NEW ROOF MOUNTED HVAC EQUIPMENT INSTALLATIONS. REUSE EXISTING SUPPORTS.



**2 PARTIAL EXISTING KITCHEN ROOF PLAN**  
E3.4 SCALE: 1:100



THIS AREA OF WORK CONTAINS ASBESTOS CONTAINING MATERIALS (ACM). ALL CONTRACTORS SHALL REFER TO THE ASBESTOS AUDIT AND SECTION 01 35 43, HAZARDOUS MATERIALS FOR APPROPRIATE PROTOCOLS THAT MUST BE FOLLOWED, REGARDLESS OF ABATEMENT OPERATIONS BEING CONDUCTED OR NOT.



MNE Engineering Inc.  
 221 Kitchener Rd. Unit 10  
 Kitchener, Ontario N2C 2G5  
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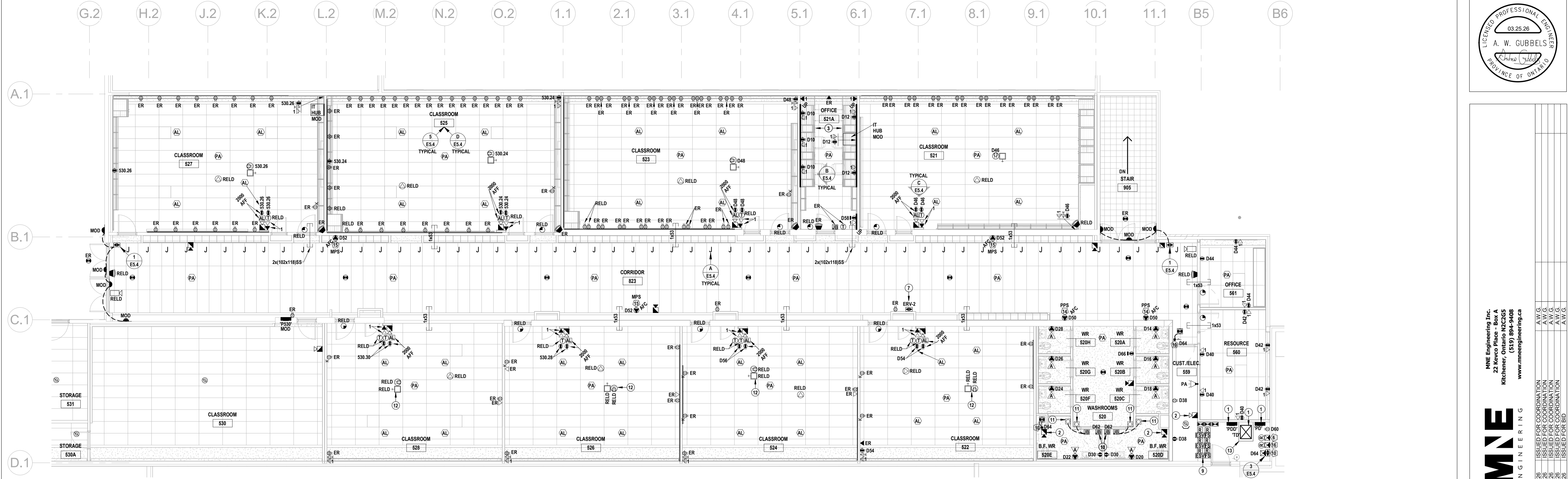
02.13.26	A.W.G.
02.27.26	A.W.G.
03.16.26	A.W.G.
03.27.26	A.W.G.



**Waterloo Oxford District Secondary School**  
 WINDOW REPLACEMENTS, INTERIOR ALTERATIONS AND HVAC UPGRADES

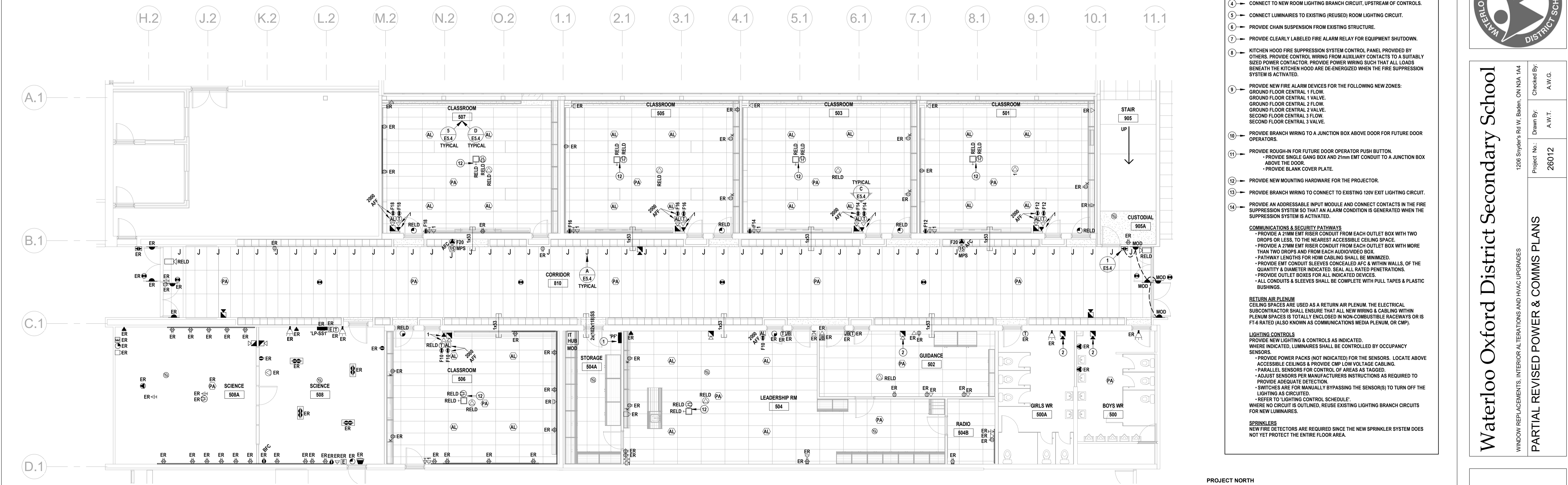
1206 Snyder's Rd W. Baden, ON N3A 1A4  
 Project No.: 26012  
 Checked By: A.W.G.  
 Drawn By: A.W.T.

**PARTIAL REVISED POWER & COMMS PLANS**

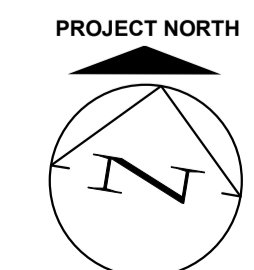


2 PARTIAL REVISED SECOND FLOOR POWER & COMMS PLAN  
 E4.1 SCALE: 1/8" = 1'-0"

- REVISED DRAWING NOTES**
- 1 - PROVIDE NEW DISTRIBUTION EQUIPMENT. REFER TO SLD.
  - 2 - FIELD ADJUST TO LOWER AUDIBILITY.
  - 3 - COORDINATE INSTALLATION WITH ARCHITECTURAL DETAILS & MILLWORK SUBCONTRACTOR.
  - 4 - CONNECT TO NEW ROOM LIGHTING BRANCH CIRCUIT, UPSTREAM OF CONTROLS.
  - 5 - CONNECT LUMINAIRES TO EXISTING (REUSED) ROOM LIGHTING CIRCUIT.
  - 6 - PROVIDE CHAIN SUSPENSION FROM EXISTING STRUCTURE.
  - 7 - PROVIDE CLEARLY LABELED FIRE ALARM RELAY FOR EQUIPMENT SHUTDOWN.
  - 8 - KITCHEN HOOD FIRE SUPPRESSION SYSTEM CONTROL PANEL PROVIDED BY OTHERS. PROVIDE CONTROL WIRING FROM AUXILIARY CONTACTS TO A SUITABLY SIZED POWER CONTACTOR. PROVIDE POWER WIRING SUCH THAT ALL LOADS BENEATH THE KITCHEN HOOD ARE DE-ENERGIZED WHEN THE FIRE SUPPRESSION SYSTEM IS ACTIVATED.
  - 9 - PROVIDE NEW FIRE ALARM DEVICES FOR THE FOLLOWING ZONES:  
 GROUND FLOOR CENTRAL 1 FLOW  
 GROUND FLOOR CENTRAL 2 FLOW  
 GROUND FLOOR CENTRAL 3 FLOW  
 SECOND FLOOR CENTRAL 3 FLOW
  - 10 - PROVIDE BRANCH WIRING TO A JUNCTION BOX ABOVE DOOR FOR FUTURE DOOR OPERATORS.
  - 11 - PROVIDE ROUGH-IN FOR FUTURE DOOR OPERATOR PUSH BUTTON.  
 - PROVIDE SINGLE GANG BOX AND 21mm EMT CONDUIT TO A JUNCTION BOX ABOVE THE DOOR.  
 - PROVIDE BLANK COVER PLATE.
  - 12 - PROVIDE NEW MOUNTING HARDWARE FOR THE PROJECTOR.
  - 13 - PROVIDE BRANCH WIRING TO CONNECT TO EXISTING 120V EXIT LIGHTING CIRCUIT.
  - 14 - PROVIDE AN ADDRESSABLE INPUT MODULE AND CONNECT CONTACTS IN THE FIRE SUPPRESSION SYSTEM SO THAT AN ALARM CONDITION IS GENERATED WHEN THE SUPPRESSION SYSTEM IS ACTIVATED.
- COMMUNICATIONS & SECURITY PATHWAYS**
- PROVIDE A 21MM EMT RISER CONDUIT FROM EACH OUTLET BOX WITH TWO DROPS OR LESS, TO THE NEAREST ACCESSIBLE CEILING SPACE.
  - PROVIDE A 21MM EMT RISER CONDUIT FROM EACH OUTLET BOX WITH MORE THAN TWO DROPS AND FROM EACH AUDIO/VIDEO BOX.
  - PATHWAY LENGTHS FOR HOME CABLING SHALL BE MINIMIZED.
  - PROVIDE EMT CONDUIT SLEEVES CONCEALED AFC & WITHIN WALLS, OF THE QUANTITY & DIAMETER INDICATED. SEAL ALL RATED PENETRATIONS.
  - PROVIDE OUTLET BOXES FOR ALL INDICATED DEVICES.
  - ALL CONDUITS & SLEEVES SHALL BE COMPLETE WITH PULL TAPES & PLASTIC BUSHINGS.
- RETURN AIR PLENUM**
- RETURN AIR PLENUM, THE ELECTRICAL CEILING SPACES ARE USED AS A RETURN AIR PLENUM. THE ELECTRICAL SUBCONTRACTOR SHALL ENSURE THAT ALL NEW WIRING & CABLING WITHIN PLENUM SPACES IS TOTALLY ENCLOSED IN NON-COMBUSTIBLE RACEWAYS OR IS FT-6 RATED (ALSO KNOWN AS COMMUNICATIONS MEDIA PLENUM, OR CMP).
- LIGHTING CONTROLS**
- PROVIDE NEW LIGHTING & CONTROLS AS INDICATED.
  - WHERE INDICATED, LUMINAIRES SHALL BE CONTROLLED BY OCCUPANCY SENSORS.
  - PROVIDE POWER PACKS (NOT INDICATED) FOR THE SENSORS. LOCATE ABOVE ACCESSIBLE CEILING & PROVIDE CMP LOW VOLTAGE CABLING.
  - PARALLEL SENSORS FOR CONTROL OF AREAS AS TAGGED.
  - ADJUST SENSORS PER MANUFACTURERS INSTRUCTIONS AS REQUIRED TO PROVIDE ADEQUATE DETECTION.
  - SWITCHES ARE FOR MANUALLY BYPASSING THE (SENSOR) TO TURN OFF THE LIGHTING AS CIRCUITED.
  - REFER TO LIGHTING CONTROL SCHEDULE.
  - WHERE NO CIRCUIT IS OUTLINED, REUSE EXISTING LIGHTING BRANCH CIRCUITS FOR NEW LUMINAIRES.
- SPRINKLERS**
- NEW FIRE DETECTORS ARE REQUIRED SINCE THE NEW SPRINKLER SYSTEM DOES NOT YET PROTECT THE ENTIRE FLOOR AREA.

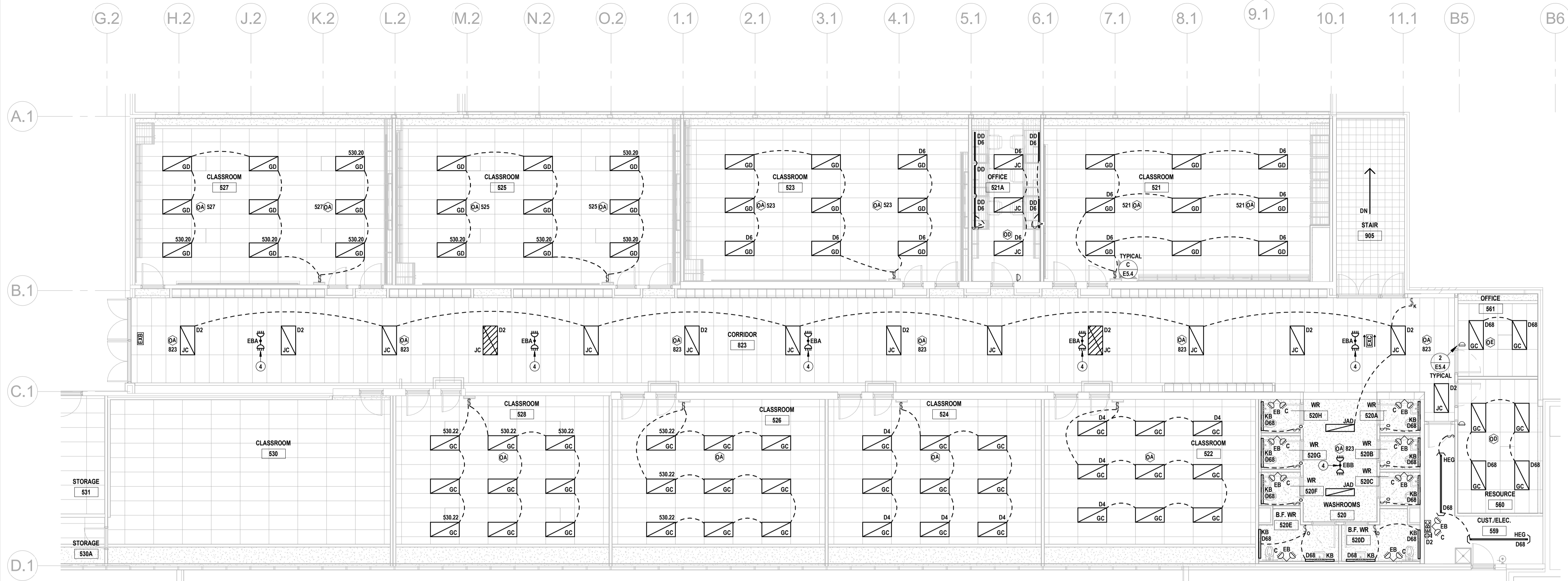


1 PARTIAL REVISED GROUND FLOOR POWER & COMMS PLAN  
 E4.1 SCALE: 1/8" = 1'-0"



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**E4.1**

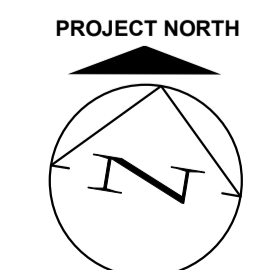


2 PARTIAL REVISED SECOND FLOOR LIGHTING PLAN  
E4.2 SCALE: 1:100

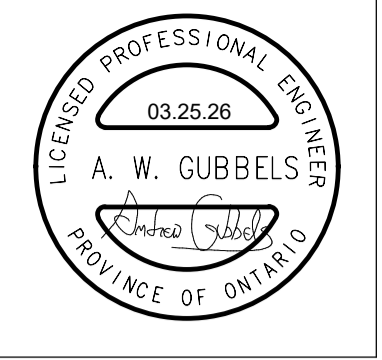


1 PARTIAL REVISED GROUND FLOOR LIGHTING PLAN  
E4.2 SCALE: 1:100

- ### REVISED DRAWING NOTES
- 1 - PROVIDE NEW DISTRIBUTION EQUIPMENT. REFER TO SLD.
  - 2 - FIELD ADJUST TO LOWER AUDIBILITY.
  - 3 - COORDINATE INSTALLATION WITH ARCHITECTURAL DETAILS & MILLWORK SUBCONTRACTOR.
  - 4 - CONNECT TO NEW ROOM LIGHTING BRANCH CIRCUIT, UPSTREAM OF CONTROLS.
  - 5 - CONNECT LUMINAIRES TO EXISTING (REUSED) ROOM LIGHTING CIRCUIT.
  - 6 - PROVIDE CHAIN SUSPENSION FROM EXISTING STRUCTURE.
  - 7 - PROVIDE CLEARLY LABELED FIRE ALARM RELAY FOR EQUIPMENT SHUTDOWN.
  - 8 - KITCHEN HOOD FIRE SUPPRESSION SYSTEM CONTROL PANEL PROVIDED BY OTHERS. PROVIDE CONTROL WIRING FROM AUXILIARY CONTACTS TO A SUITABLY SIZED POWER CONTACTOR. PROVIDE POWER WIRING SUCH THAT ALL LOADS BENEATH THE KITCHEN HOOD ARE DE-ENERGIZED WHEN THE FIRE SUPPRESSION SYSTEM IS ACTIVATED.
  - 9 - PROVIDE NEW FIRE ALARM DEVICES FOR THE FOLLOWING NEW ZONES:  
GROUND FLOOR CENTRAL 1 FLOOR  
GROUND FLOOR CENTRAL 2 FLOOR  
GROUND FLOOR CENTRAL 3 FLOOR  
SECOND FLOOR CENTRAL 3 FLOOR
  - 10 - PROVIDE BRANCH WIRING TO A JUNCTION BOX ABOVE DOOR FOR FUTURE DOOR OPERATORS.
  - 11 - PROVIDE ROUGH-IN FOR FUTURE DOOR OPERATOR PUSH BUTTON.  
PROVIDE SINGLE GANG BOX AND 21mm EMT CONDUIT TO A JUNCTION BOX ABOVE THE DOOR.  
PROVIDE BLANK COVER PLATE.
  - 12 - PROVIDE NEW MOUNTING HARDWARE FOR THE PROJECTOR.
  - 13 - PROVIDE BRANCH WIRING TO CONNECT TO EXISTING 120V EXIT LIGHTING CIRCUIT.
  - 14 - PROVIDE AN ADDRESSABLE INPUT MODULE AND CONNECT CONTACTS IN THE FIRE SUPPRESSION SYSTEM SO THAT AN ALARM CONDITION IS GENERATED WHEN THE SUPPRESSION SYSTEM IS ACTIVATED.
- ### COMMUNICATIONS & SECURITY PATHWAYS
- PROVIDE A 21MM EMT RISER CONDUIT FROM EACH OUTLET BOX WITH TWO DROPS OR LESS, TO THE NEAREST ACCESSIBLE CEILING SPACE.
  - PROVIDE A 21MM EMT RISER CONDUIT FROM EACH OUTLET BOX WITH MORE THAN TWO DROPS AND FROM EACH AUDIO/VIDEO BOX.
  - PATHWAY LENGTHS FOR HOME CABLING SHALL BE MINIMIZED.
  - PROVIDE EMT CONDUIT SLEEVES CONCEALED AFC & WITHIN WALLS, OF THE QUANTITY & DIAMETER INDICATED. SEAL ALL RATED PENETRATIONS.
  - PROVIDE OUTLET BOXES FOR ALL INDICATED DEVICES.
  - ALL CONDUITS & SLEEVES SHALL BE COMPLETE WITH PULL TAPES & PLASTIC BUSHINGS.
- ### RETURN AIR PLENUM
- CEILING SPACES ARE USED AS A RETURN AIR PLENUM. THE ELECTRICAL SUBCONTRACTOR SHALL ENSURE THAT ALL NEW WIRING & CABLING WITHIN PLENUM SPACES IS TOTALLY ENCLOSED IN NON-COMBUSTIBLE RACEWAYS OR IS FT-1 RATED (ALSO KNOWN AS COMMUNICATIONS MEDIA PLENUM, OR CMP).
- ### LIGHTING CONTROLS
- PROVIDE NEW LIGHTING & CONTROLS AS INDICATED. WHERE INDICATED, LUMINAIRES SHALL BE CONTROLLED BY OCCUPANCY SENSORS.
- PROVIDE POWER PACKS (NOT INDICATED) FOR THE SENSORS. LOCATE ABOVE ACCESSIBLE CEILING & PROVIDE CMP LOW VOLTAGE CABLING.
  - PARALLEL SENSORS FOR CONTROL OF AREAS AS TAGGED.
  - ADJUST SENSORS PER MANUFACTURER'S INSTRUCTIONS AS REQUIRED TO PROVIDE ADEQUATE DETECTION.
  - SWITCHES ARE FOR MANUALLY BYPASSING THE (SENSOR) TO TURN OFF THE LIGHTING AS CIRCUITED.
  - REFER TO LIGHTING CONTROL SCHEDULE.
  - WHERE NO CIRCUIT IS OUTLINED, REUSE EXISTING LIGHTING BRANCH CIRCUITS FOR NEW LUMINAIRES.
- ### SPRINKLERS
- NEW FIRE DETECTORS ARE REQUIRED SINCE THE NEW SPRINKLER SYSTEM DOES NOT YET PROTECT THE ENTIRE FLOOR AREA.



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MNE Engineering Inc.  
22 Kitchener Road, Unit 102  
Kitchener, Ontario N2C 2G5  
(519) 894-9408  
www.mneengineering.ca

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ISSUED FOR COORDINATION: 02/27/26  
ISSUED FOR COORDINATION: 03/16/26  
ISSUED FOR BID: 03/27/26

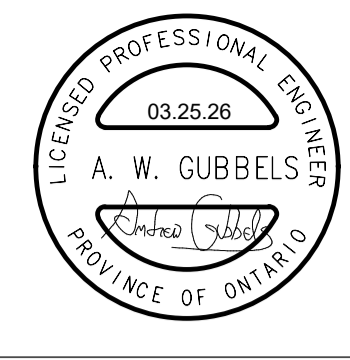


**Waterloo Oxford District Secondary School**  
WINDOW REPLACEMENTS, INTERIOR ALTERATIONS AND HVAC UPGRADES

1206 Snyder's Rd W. Baden, ON N3A 1A4  
Checked By: A.W.G.  
Drawn By: A.W.T.  
Project No.: 26012

**PARTIAL REVISED LIGHTING PLANS**

**E4.2**



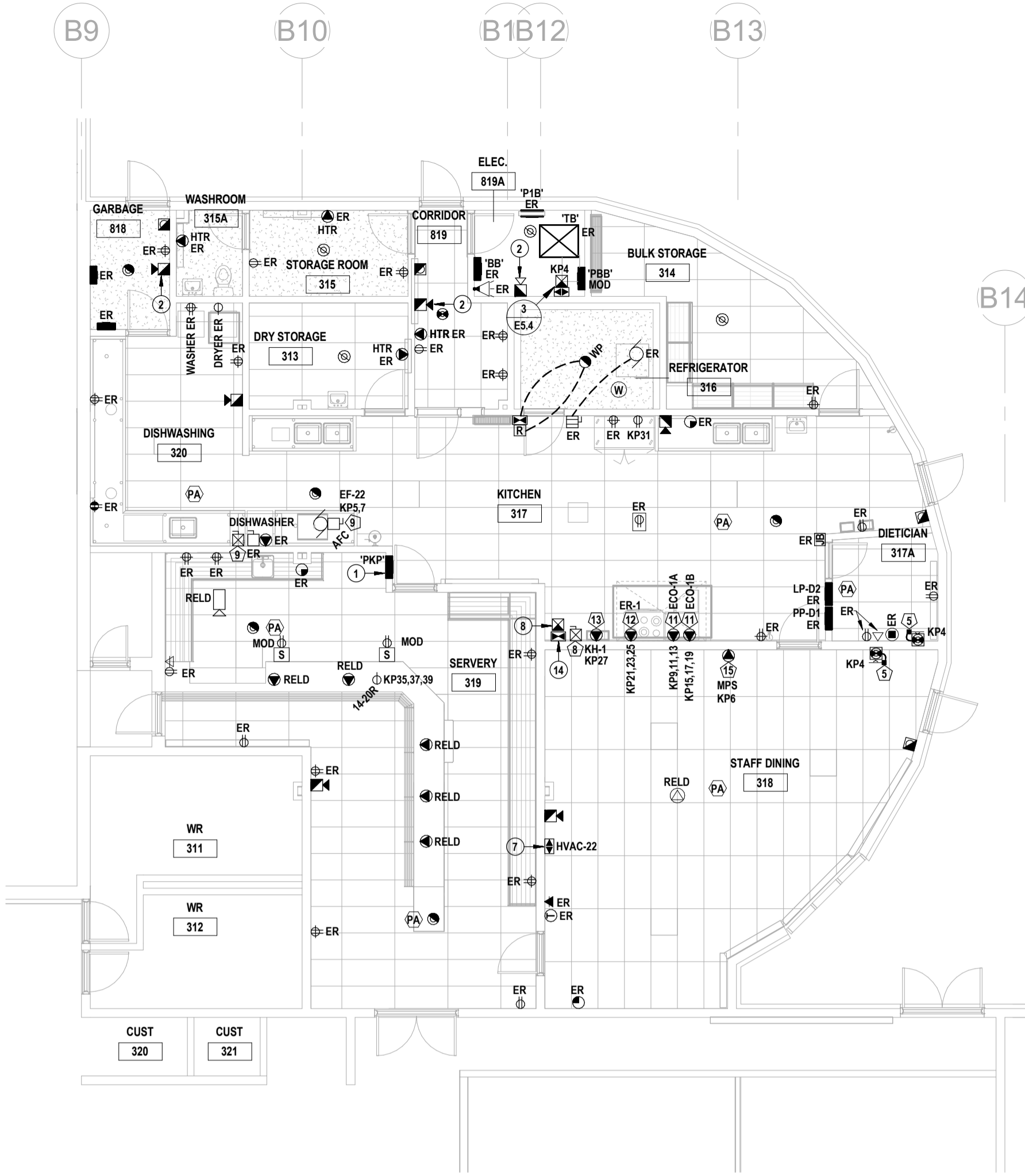
MNE ENGINEERING  
 2200 Keele Street, Suite 102  
 Scarborough, Ontario M2C 2G5  
 Tel: (416) 291-1111  
 Fax: (416) 291-1112  
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02.27.26	A.W.G.
03.16.26	A.W.G.
03.27.26	A.W.G.

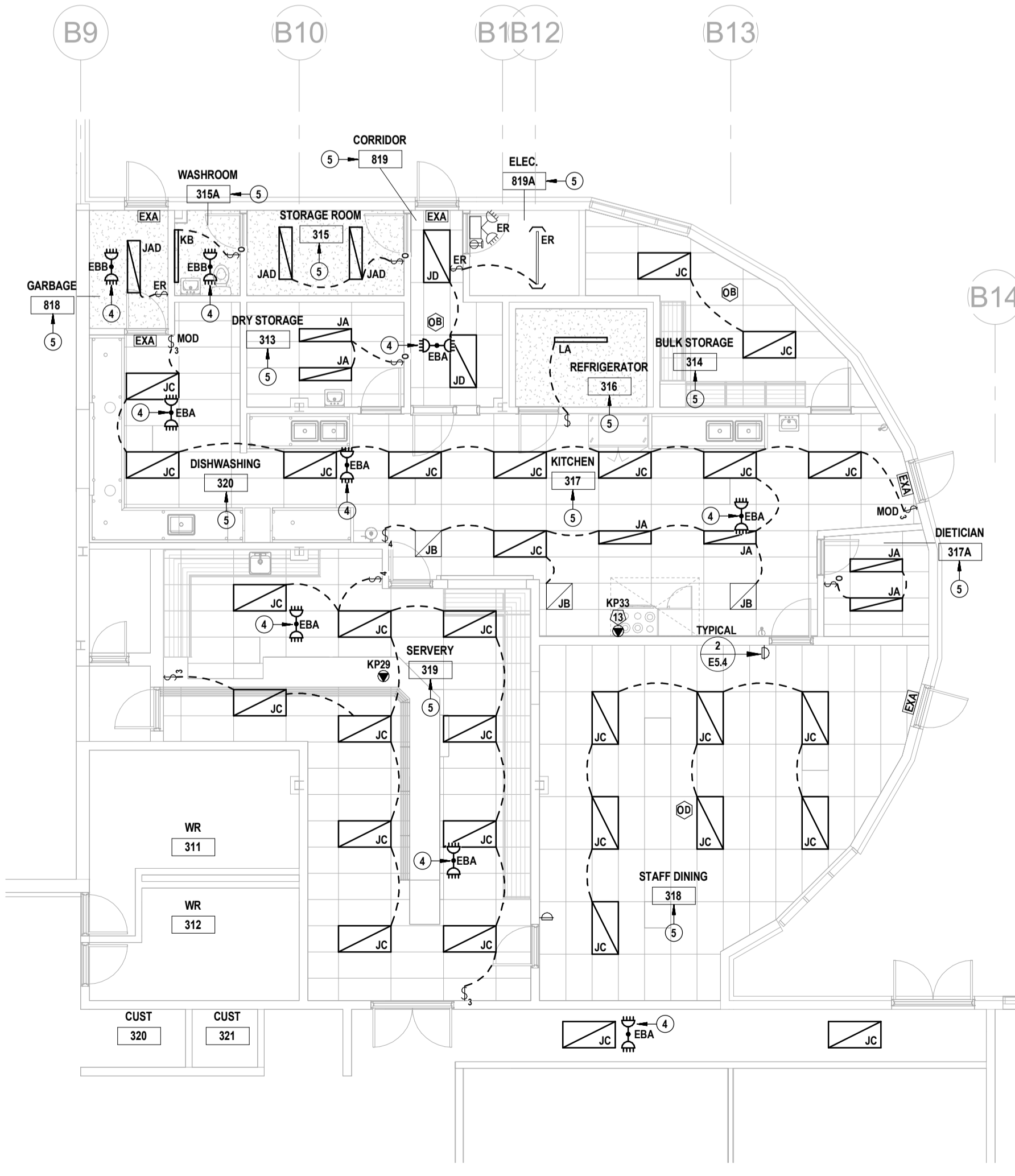


**Waterloo Oxford District Secondary School**  
 WINDOW REPLACEMENTS, INTERIOR ALTERATIONS AND HVAC UPGRADES  
 1206 Snyder's Rd W., Baden, ON N3A 1A4  
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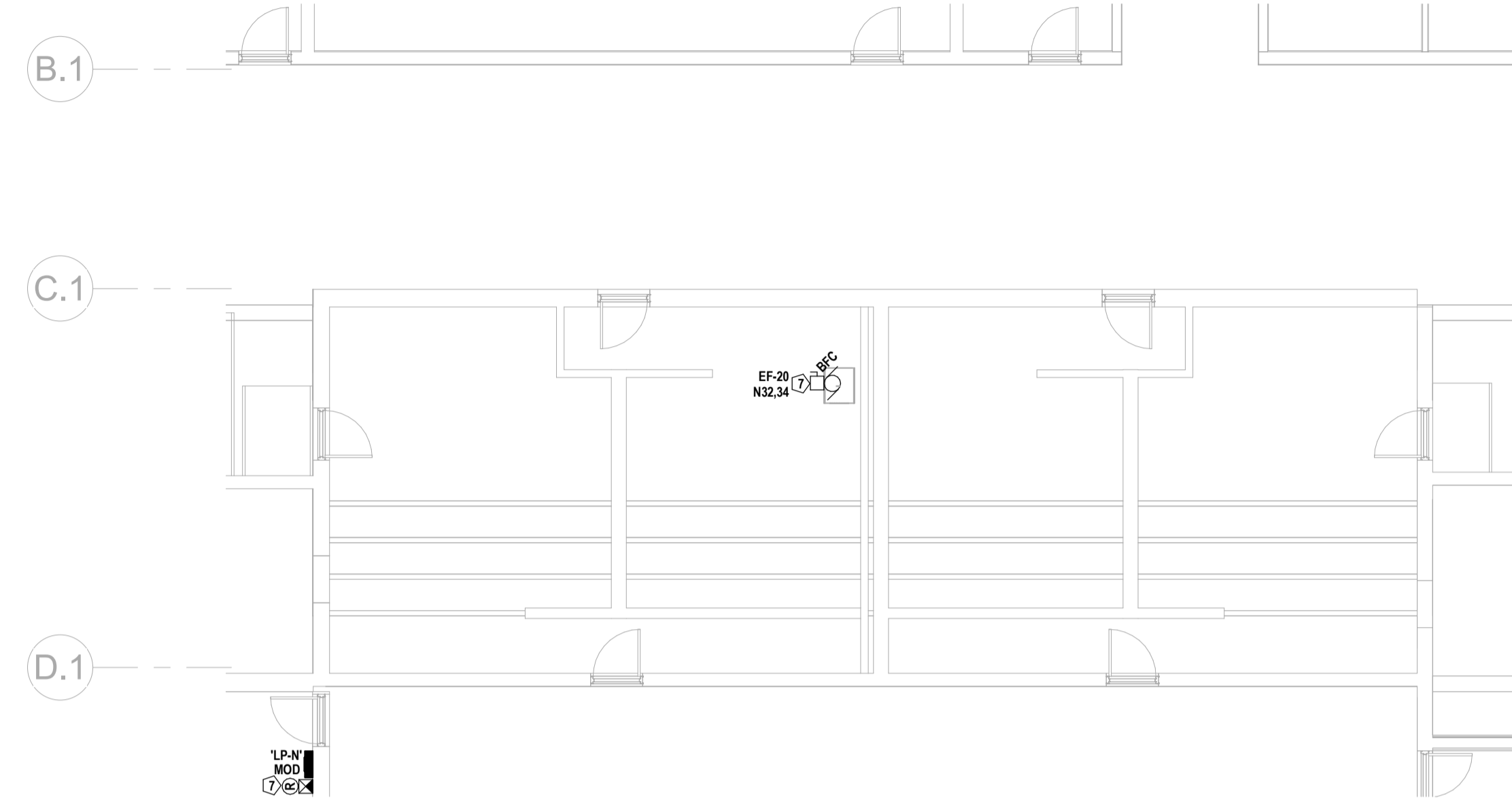
**E4.3**



1 PARTIAL REVISED KITCHEN POWER & COMMS PLAN  
 E4.3 SCALE: 1:100



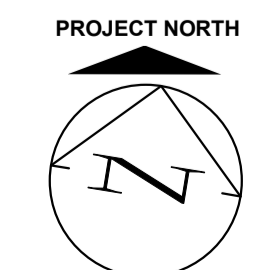
2 PARTIAL REVISED KITCHEN LIGHTING PLAN  
 E4.3 SCALE: 1:100



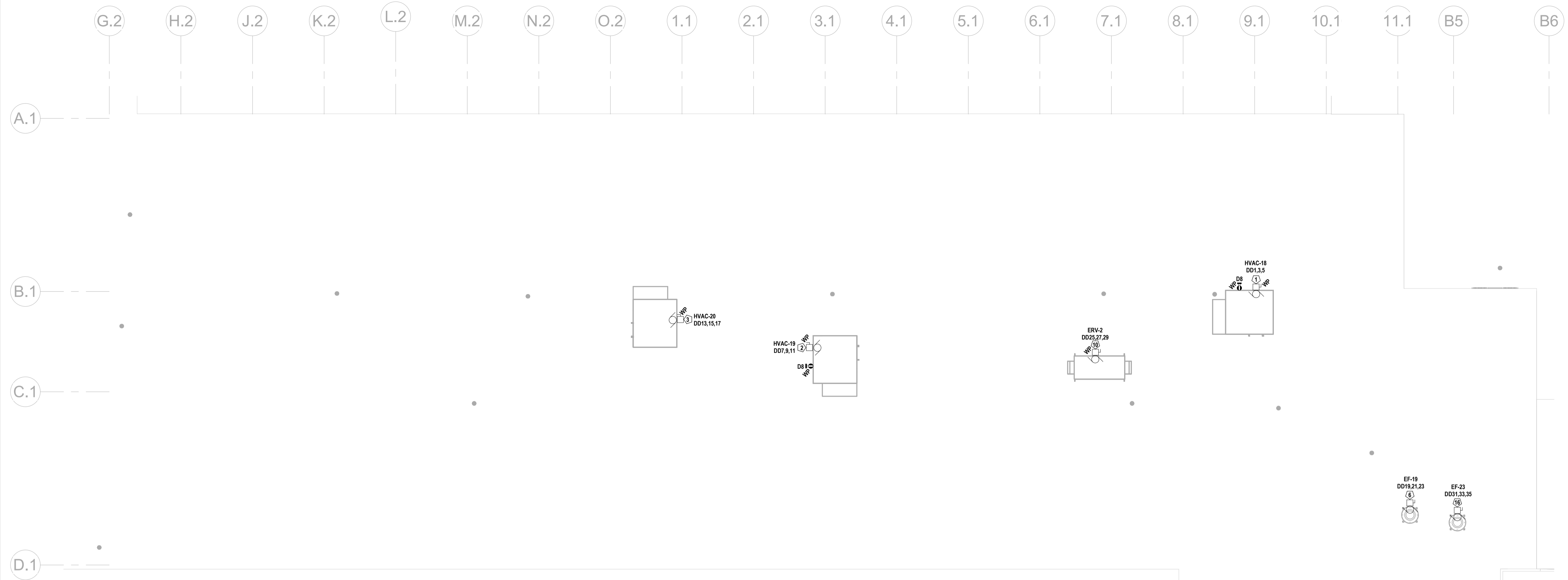
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 E4.3 SCALE: 1:100

**REVISED DRAWING NOTES**

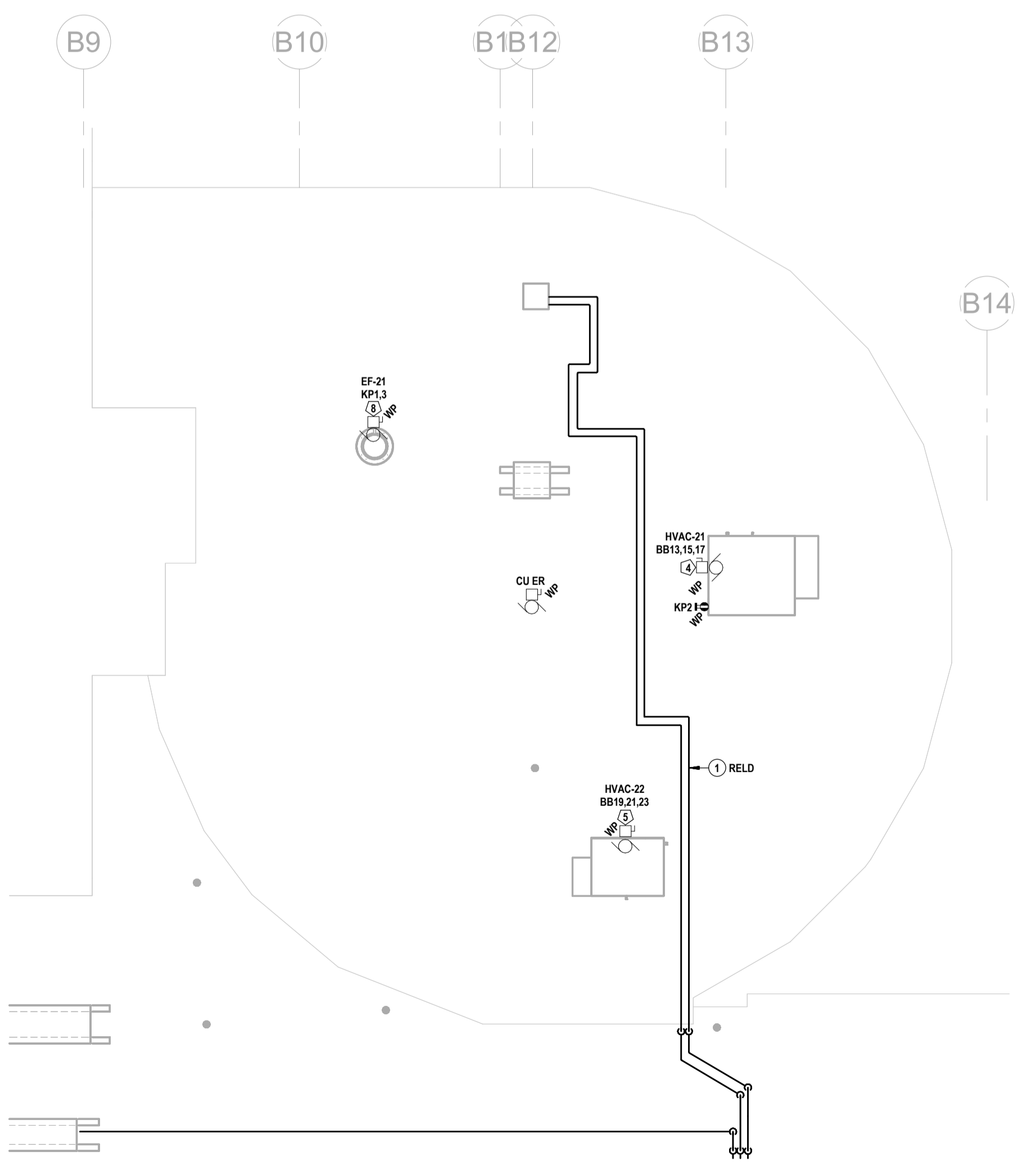
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  - 9 - PROVIDE NEW FIRE ALARM DEVICES FOR THE FOLLOWING NEW ZONES:  
 GROUND FLOOR CENTRAL 1 FLOW.  
 GROUND FLOOR CENTRAL 1 VALVE.  
 GROUND FLOOR CENTRAL 2 FLOW.  
 GROUND FLOOR CENTRAL 2 VALVE.  
 SECOND FLOOR CENTRAL 3 FLOW.  
 SECOND FLOOR CENTRAL 3 VALVE.
  - 10 - PROVIDE BRANCH WIRING TO A JUNCTION BOX ABOVE DOOR FOR FUTURE DOOR OPERATORS.
  - 11 - PROVIDE ROUGH-IN FOR FUTURE DOOR OPERATOR PUSH BUTTON.  
 - PROVIDE SINGLE GANG BOX AND 21mm EMT CONDUIT TO A JUNCTION BOX ABOVE THE DOOR.  
 - PROVIDE BLANK COVER PLATE.
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  - PROVIDE A 21MM EMT RISER CONDUIT FROM EACH OUTLET BOX WITH MORE THAN TWO DROPS AND FROM EACH AUDIO/VIDEO BOX.
  - PATHWAY LENGTHS FOR HDMI CABLING SHALL BE MINIMIZED.
  - PROVIDE EMT CONDUIT SLEEVES CONCEALED AFC & WITHIN WALLS, OF THE QUANTITY & DIAMETER INDICATED. SEAL ALL RATED PENETRATIONS.
  - PROVIDE OUTLET BOXES FOR ALL INDICATED DEVICES.
  - ALL CONDUITS & SLEEVES SHALL BE COMPLETE WITH PULL TAPES & PLASTIC BUSHINGS.
- RETURN AIR PLENUM**
- CEILING SPACES ARE USED AS A RETURN AIR PLENUM. THE ELECTRICAL SUBCONTRACTOR SHALL ENSURE THAT ALL NEW WIRING & CABLING WITHIN PLENUM SPACES IS TOTALLY ENCLOSED IN NON-COMBUSTIBLE RACEWAYS OR IS FT-4 RATED (ALSO KNOWN AS COMMUNICATIONS MEDIA PLENUM, OR CMP).
- LIGHTING CONTROLS**
- PROVIDE NEW LIGHTING & CONTROLS AS INDICATED. WHERE INDICATED, LUMINAIRES SHALL BE CONTROLLED BY OCCUPANCY SENSORS.
  - PROVIDE POWER PACKS (NOT INDICATED) FOR THE SENSORS. LOCATE ABOVE ACCESSIBLE CEILINGS & PROVIDE CMP LOW VOLTAGE CABLING.
  - PARALLEL SENSORS FOR CONTROL OF AREAS AS TAGGED.
  - ADJUST SENSORS PER MANUFACTURERS INSTRUCTIONS AS REQUIRED TO PROVIDE ADEQUATE DETECTION.
  - SWITCHES ARE FOR MANUALLY BYPASSING THE SENSOR(S) TO TURN OFF THE LIGHTING AS CIRCUTED.
  - REFER TO 'LIGHTING CONTROL SCHEDULE'.
  - WHERE NO CIRCUIT IS OUTLINED, REUSE EXISTING LIGHTING BRANCH CIRCUITS FOR NEW LUMINAIRES.
- SPRINKLERS**
- NEW FIRE DETECTORS ARE REQUIRED SINCE THE NEW SPRINKLER SYSTEM DOES NOT YET PROTECT THE ENTIRE FLOOR AREA.



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1 PARTIAL REVISED ROOF PLAN  
E4.4 SCALE: 1:100

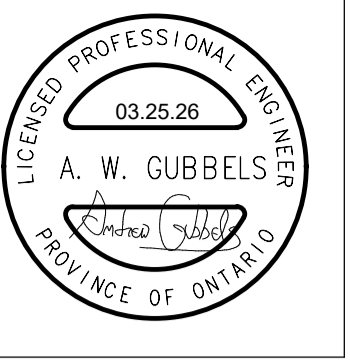


2 PARTIAL REVISED KITCHEN ROOF PLAN  
E4.4 SCALE: 1:100

**REVISED ROOF NOTES**  
① → SUGGESTED ROUTE OF RELOCATED PARALLEL TECK CABLES.



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**MNE ENGINEERING**  
 27 Keele Street, Suite 102  
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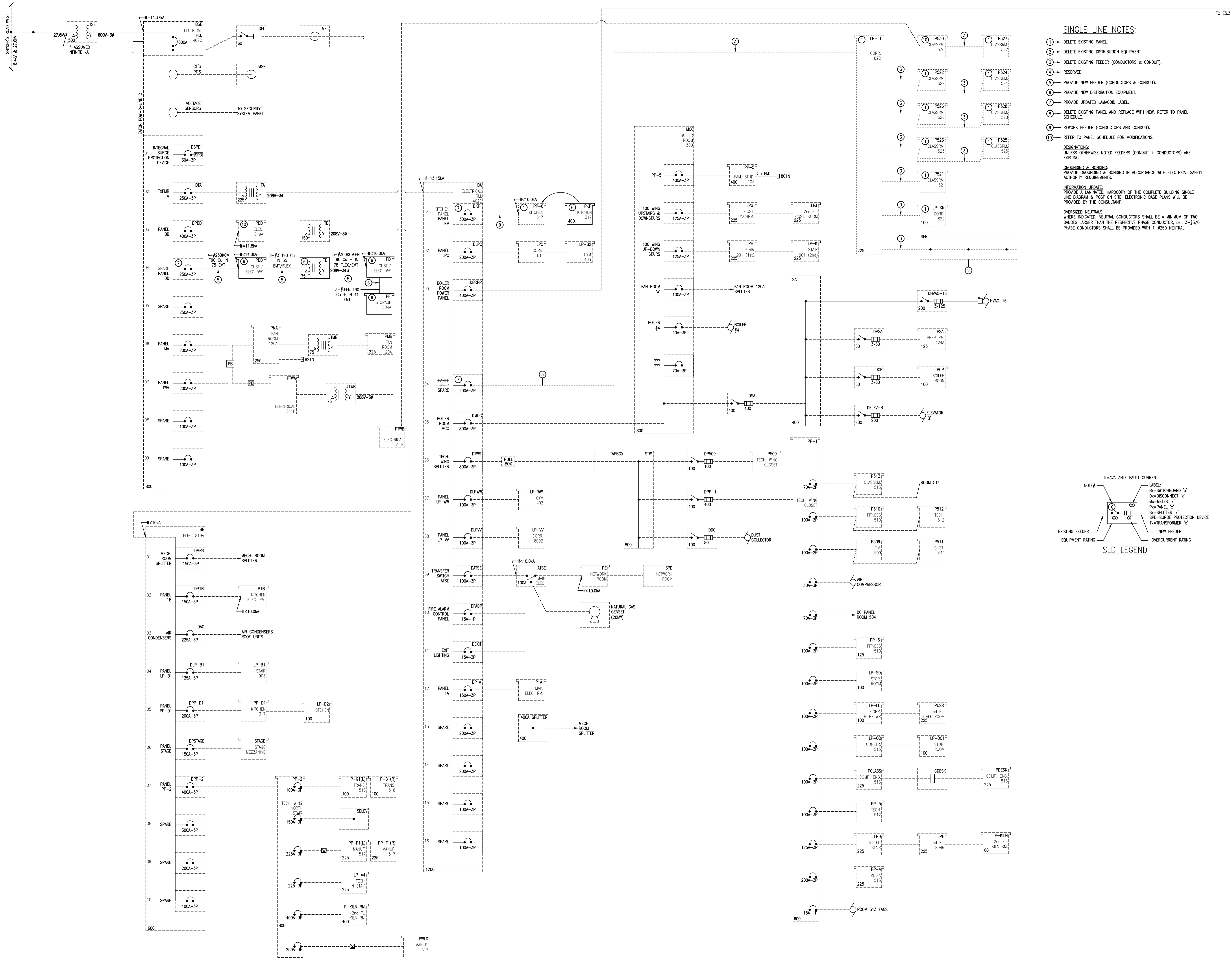


**Waterloo Oxford District Secondary School**  
 WINDOW REPLACEMENTS, INTERIOR ALTERATIONS AND HVAC UPGRADES  
**PARTIAL REVISED ROOF PLANS**

1206 Snyder's Rd W., Baden, ON N3A 1A4  
 Project No.: 26012  
 Drawn By: A.W.T.  
 Checked By: A.W.G.

**E4.4**





**SINGLE LINE NOTES:**

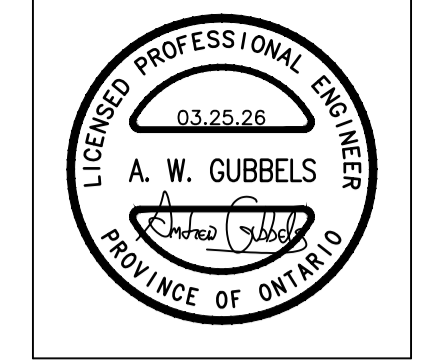
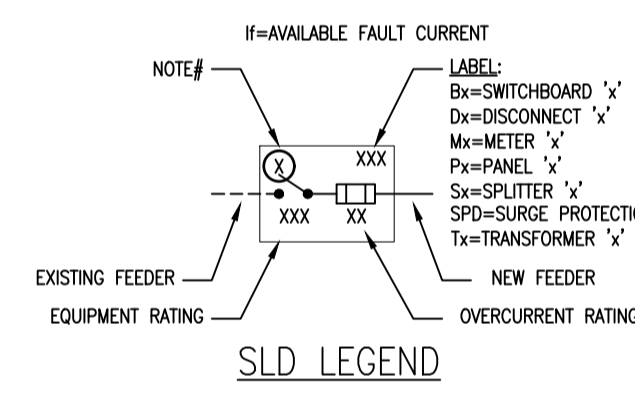
- ① - DELETE EXISTING PANEL.
- ② - DELETE EXISTING DISTRIBUTION EQUIPMENT.
- ③ - DELETE EXISTING FEEDER (CONDUCTORS & CONDUIT).
- ④ - RESERVED.
- ⑤ - PROVIDE NEW FEEDER (CONDUCTORS & CONDUIT).
- ⑥ - PROVIDE NEW DISTRIBUTION EQUIPMENT.
- ⑦ - PROVIDE UPDATED LAMACOID LABEL.
- ⑧ - DELETE EXISTING PANEL AND REPLACE WITH NEW. REFER TO PANEL SCHEDULE.
- ⑨ - REWORK FEEDER (CONDUCTORS AND CONDUIT).
- ⑩ - REFER TO PANEL SCHEDULE FOR MODIFICATIONS.

**DESIGNATIONS:**  
UNLESS OTHERWISE NOTED FEEDERS (CONDUIT + CONDUCTORS) ARE EXISTING.

**GROUNDING & BONDING:**  
PROVIDE GROUNDING & BONDING IN ACCORDANCE WITH ELECTRICAL SAFETY AUTHORITY REQUIREMENTS.

**INFORMATION UPDATE:**  
PROVIDE A LAMINATED, HARDCOPY OF THE COMPLETE BUILDING SINGLE LINE DIAGRAM & POST ON SITE. ELECTRONIC BASE PLANS WILL BE PROVIDED BY THE CONSULTANT.

**OVERSIZED NEUTRALS:**  
WHERE INDICATED, NEUTRAL CONDUCTORS SHALL BE A MINIMUM OF TWO GAUGES LARGER THAN THE RESPECTIVE PHASE CONDUCTOR, I.E., 3-#3/0 PHASE CONDUCTORS SHALL BE PROVIDED WITH 1-#250 NEUTRAL.



**MNE Engineering Inc.**  
22 Kewo Place - Box A  
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www.mneengineering.ca

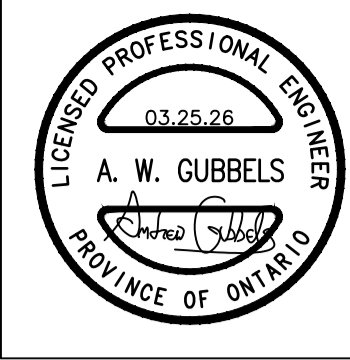
02/13/26	ISSUED FOR COORDINATION	A.W.G.
02/27/26	ISSUED FOR COORDINATION	A.W.G.
03/16/26	ISSUED FOR COORDINATION	A.W.G.
03/27/26	ISSUED FOR BID	A.W.G.



**Waterloo Oxford District Secondary School**  
WINDOW REPLACEMENTS, INTERIOR ALTERATIONS AND HVAC UPGRADES

Project No.: 26012  
Checked By: A.W.G.  
Drawn By: A.W.T.

**PARTIAL SINGLE LINE DIAGRAM**



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Waterloo Oxford District Secondary School

1206 Snyder's Rd W. Baden, On N3A 1A4

Project No.: 26012

Checked By: A.W.G.

Drawn By: A.W.T.

WINDOW REPLACEMENTS, INTERIOR ALTERATIONS AND HVAC UPGRADES

E5.3

**SINGLE LINE NOTES:**

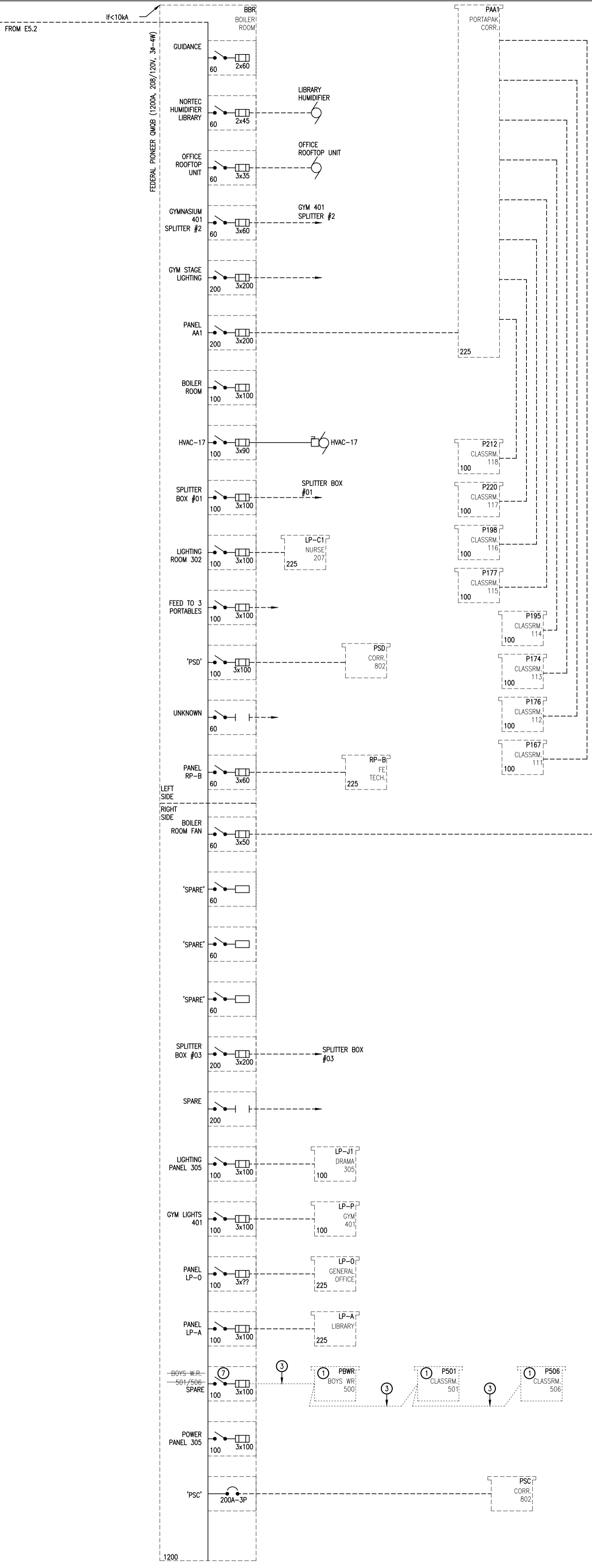
- 1 - DELETE EXISTING PANEL.
- 2 - DELETE EXISTING DISTRIBUTION EQUIPMENT.
- 3 - DELETE EXISTING FEEDER (CONDUCTORS & CONDUIT).
- 4 - RESERVED.
- 5 - PROVIDE NEW FEEDER (CONDUCTORS & CONDUIT).
- 6 - PROVIDE NEW DISTRIBUTION EQUIPMENT.
- 7 - PROVIDE UPDATED LAMACOID LABEL.
- 8 - DELETE EXISTING PANEL AND REPLACE WITH NEW. REFER TO PANEL SCHEDULE.
- 9 - REWORK FEEDER (CONDUCTORS AND CONDUIT).
- 10 - REFER TO PANEL SCHEDULE FOR MODIFICATIONS.

**DESIGNATIONS:**  
UNLESS OTHERWISE NOTED FEEDERS (CONDUIT + CONDUCTORS) ARE EXISTING.

**GROUNDING & BONDING:**  
PROVIDE GROUNDING & BONDING IN ACCORDANCE WITH ELECTRICAL SAFETY AUTHORITY REQUIREMENTS.

**INFORMATION UPDATE:**  
PROVIDE A LAMINATED, HARD COPY OF THE COMPLETE BUILDING SINGLE LINE DIAGRAM & POST ON SITE. ELECTRONIC BASE PLANS WILL BE PROVIDED BY THE CONSULTANT.

**OVERSIZED NEUTRALS:**  
WHERE INDICATED, NEUTRAL CONDUCTORS SHALL BE A MINIMUM OF TWO GAUGES LARGER THAN THE RESPECTIVE PHASE CONDUCTOR, i.e., 3-#3/0 PHASE CONDUCTORS SHALL BE PROVIDED WITH 1-#250 NEUTRAL.



**NEW PANEL 'DD'**

NO.	WATTS	A	P	LOAD DESCRIPTION	#	LOAD DESCRIPTION	P	A	WATTS	NO.	
1	40				A				90	2	
3	24271	40	3	ROOFTOP UNIT HVAC-18	*1	B TRANSFORMER TD	*1	3	50	46300	4
5	40				C				50	5	
7	60				A					6	
9	34915	60	3	ROOFTOP UNIT HVAC-19	*1	B				10	8
11	60				C					12	10
13	60				A					14	12
15	60				B					16	14
17	60				A					18	16
19	15				A					20	18
21	1400	15	3	EXHAUST FAN EF-19	*1	B				22	20
23	15				C					24	22
25	15				A					26	24
27	1000	15	3	ENERGY RECOVERY VENTILATOR ERV2	*1	B				28	26
29	15				C					30	28
31	15				A					32	30
33	1400	15	3	EXHAUST FAN EF-23	*1	B				34	32
35	15				C					36	34
37					A					38	36
39					B					40	38
41										42	40
43										44	42
45										46	44
47										48	46
49										50	48
51										52	50
53										54	52
55										56	54
57										58	56
59										60	58

**NOTES:**

- NEW LOAD. PROVIDE BREAKER & BRANCH WIRING.
- PROVIDE BREAKER TURN TO THE 'OFF' POSITION.

**OPTIONS:**

- LOCKABLE DOOR
- 200% NEUTRAL
- TOP FEED

**LOAD (W)** LOCATION: 145101 CUST.ELEC.569 **MANS (A)** VOLTAGE: 400 **#/WIRE** TYPE: 3/4 EATON PRL3x **MOUNTING** SURFACE **MAIN BRKR (A)** N/A

**EXISTING PANEL '530' SCHEDULE**

NO.	NOTES	A	P	LOAD DESCRIPTION	#	LOAD DESCRIPTION	P	A	NOTES	NO.	
1	*1	15	1		A			1	15	*2	2
3	*1	15	1		B			1	15	*2	4
5	*1	15	1		C			1	15	*1	6
7	*1	15	1		A			1	15	*1	8
9	*1	15	1		B			1	15	*1	10
11	*1	15	1		C			1	15	*1	12
13	*1	15	1		A			1	20	*1	14
15	*1	15	1		B			1	15	*1	16
17	*1	15	1		C			1	15	*1	18
19	*1	15	1		A			1	20	*8	20
21	*1	15	1		B			1	20	*8	22
23	*3	15	1	RECEPTACLES 525	C	RECEPTACLES 525		1	15	*8	24
25	*3	15	1	RECEPTACLES 525	A	RECEPTACLES 527		1	15	*8	26
27	*3	15	1	RECEPTACLES 525	B	RECEPTACLES 528		1	15	*8	28
29	*3	15	1	RECEPTACLES 525	C	RECEPTACLES 528		1	15	*8	30
31	*3	15	1	RECEPTACLES 525	A						32
33	*3	15	1	RECEPTACLES 525	B						34
35	*3	15	1	RECEPTACLES 525	C						36
37	*3	15	1	RECEPTACLES 525	A						38
39	*3	15	1	RECEPTACLES 525	B						40
41	*3	15	1	RECEPTACLES 525	C						42
43	*4	15	1	RECEPTACLES 526	A						44
45	*4	15	1	RECEPTACLES 526	B						46
47	*4	15	1	RECEPTACLES 526	C						48
49	*4	15	1	RECEPTACLES 526	A						50
51	*5	15	1	RECEPTACLES 527	B						52
53	*5	15	1	RECEPTACLES 527	C						54
55	*5	15	1	RECEPTACLES 527	A						56
57	*5	15	1	RECEPTACLES 527	B						58
59	*6	15	1	RECEPTACLES 528	C						60
61	*6	15	1	RECEPTACLES 528	A	SPARE		1	15	*2	62
63	*6	15	1	RECEPTACLES 528	B	SPARE		1	15	*2	64
65					C	SPARE		1	15	*2	66
67					A	SPARE		1	20	*2	68
69					B	SPARE		1	20	*2	70
71	*7	60	2	PANEL 'P527' SPARE	C	SPARE		1	20	*2	72

**NOTES:**

- EXISTING LOAD.
- EXISTING SPARE BREAKER SHALL REMAIN.
- EXISTING LOAD FROM DELETED 'P525', PROVIDE BREAKER, EXTEND AND RECONNECT BRANCH WIRING.
- EXISTING LOAD FROM DELETED 'P526', PROVIDE BREAKER, EXTEND AND RECONNECT BRANCH WIRING.
- EXISTING LOAD FROM DELETED 'P527', PROVIDE BREAKER, EXTEND AND RECONNECT BRANCH WIRING.
- EXISTING LOAD FROM DELETED 'P528', PROVIDE BREAKER, EXTEND AND RECONNECT BRANCH WIRING.
- DELETE EXISTING BRANCH WIRING. BREAKER SHALL BE TURNED TO THE 'OFF' POSITION AND MARKED SPARE.
- NEW LOAD. PROVIDE BREAKER & BRANCH WIRING.

**LOAD (W)** LOCATION: 530 STORAGE 50A **MANS (A)** VOLTAGE: 225 **#/WIRE** TYPE: [D] N **MOUNTING** SURFACE **MAIN BRKR (A)** N/A

**EXISTING PANEL 'BB' SCHEDULE**

NO.	NOTES	A	P	LOAD DESCRIPTION	#	LOAD DESCRIPTION	P	A	NOTES	NO.	
1		175			A					2	
3	*1	175	3		B					4	
5		175			C					6	
7	*2	20	1		A			1	20	*2	8
9	*2	20	1		B			1	15	*2	10
11	*2	15	1		C			1	15	*2	12
13		20			A						14
15	*3	20	3	ROOFTOP UNIT HVAC-21	B						16
17		20			C						18
19		20			A						20
21	*3	20	3	ROOFTOP UNIT HVAC-22	B						22
23		20			C						24
25					A						26
27					B						28
29					C						30
31					A						32
33					B						34
35					C						36
37					A						38
39					B						40
41					C						42

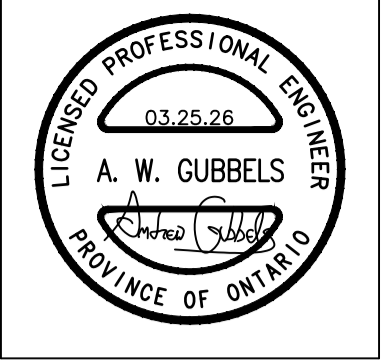
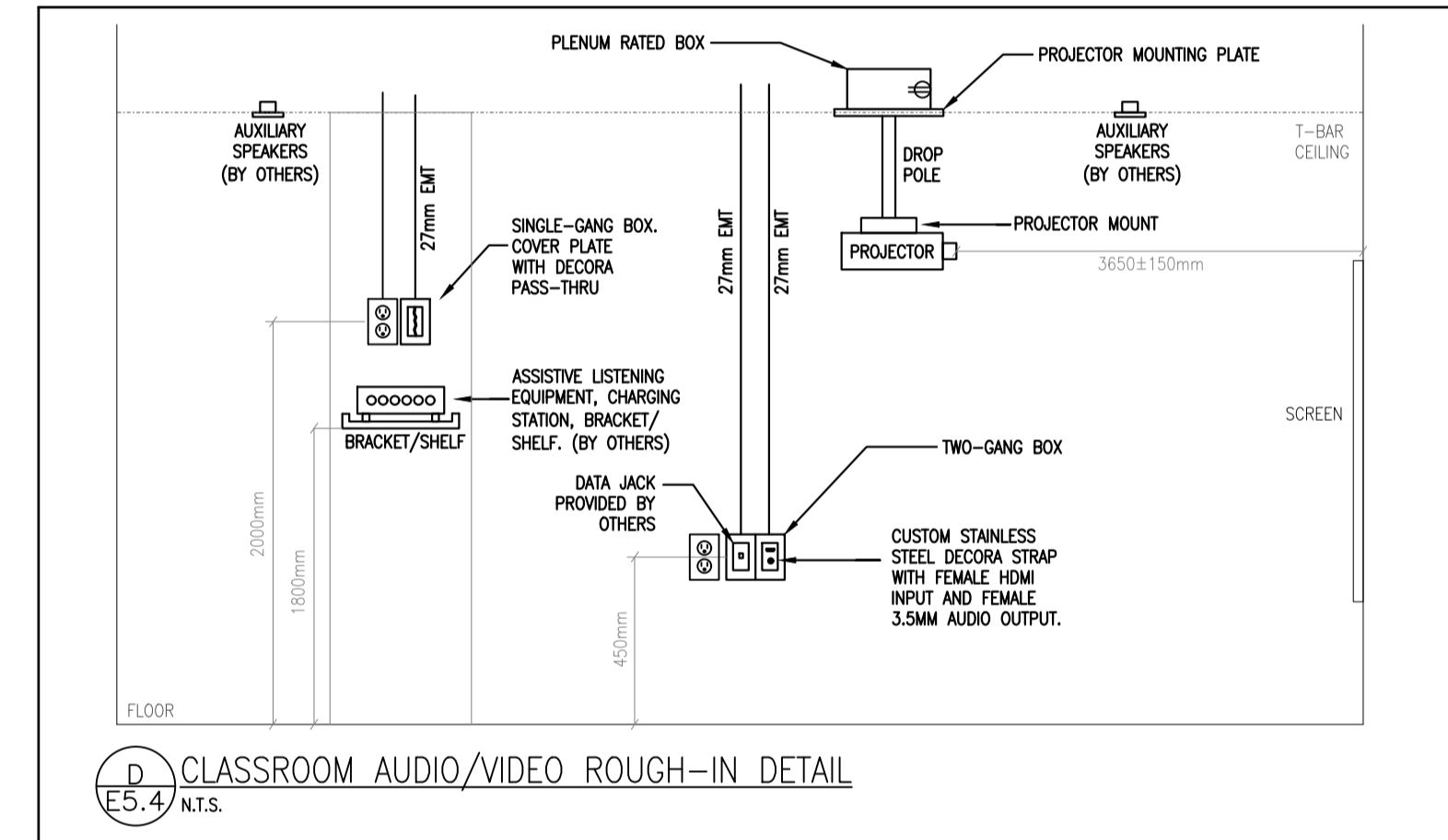
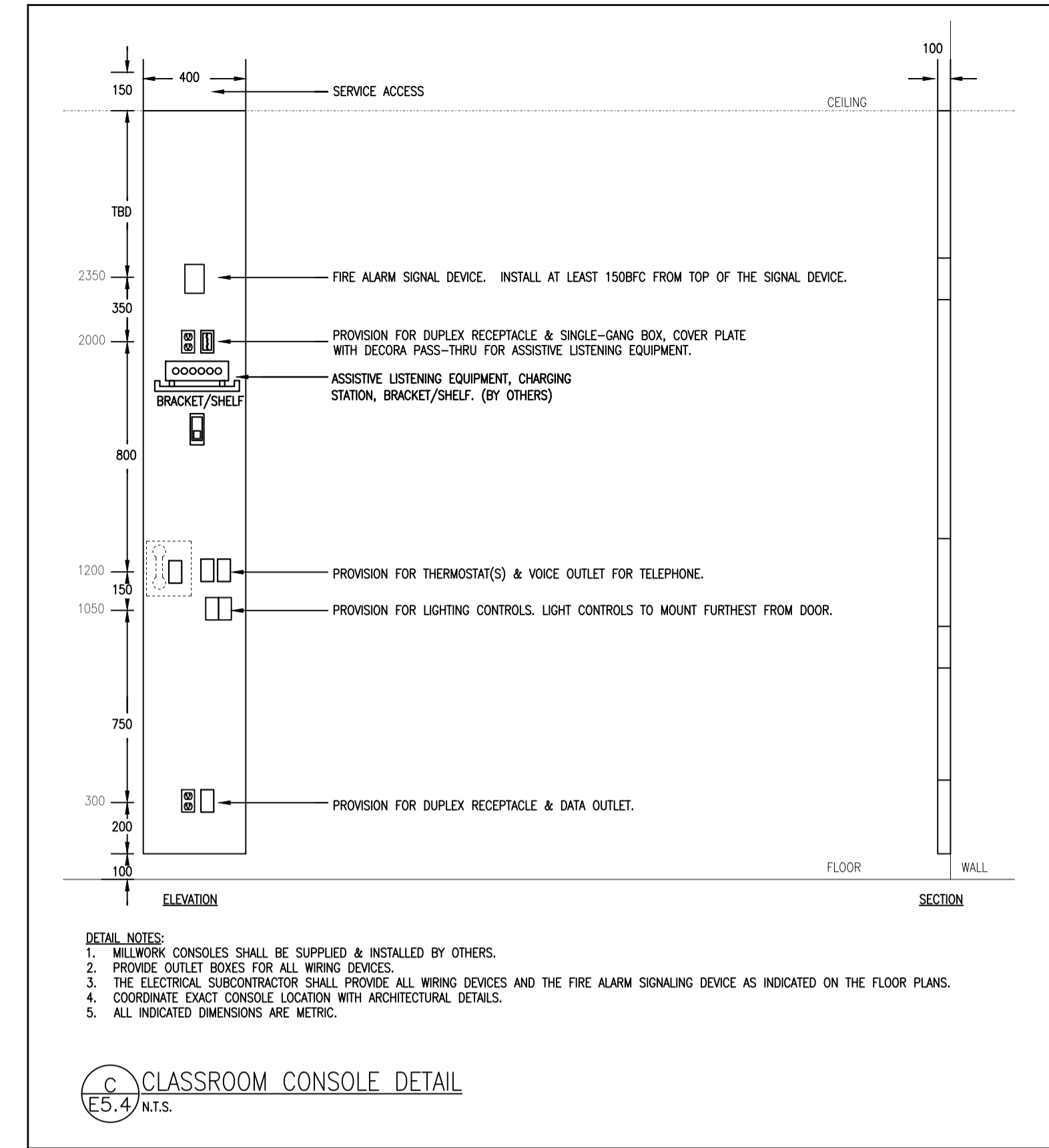
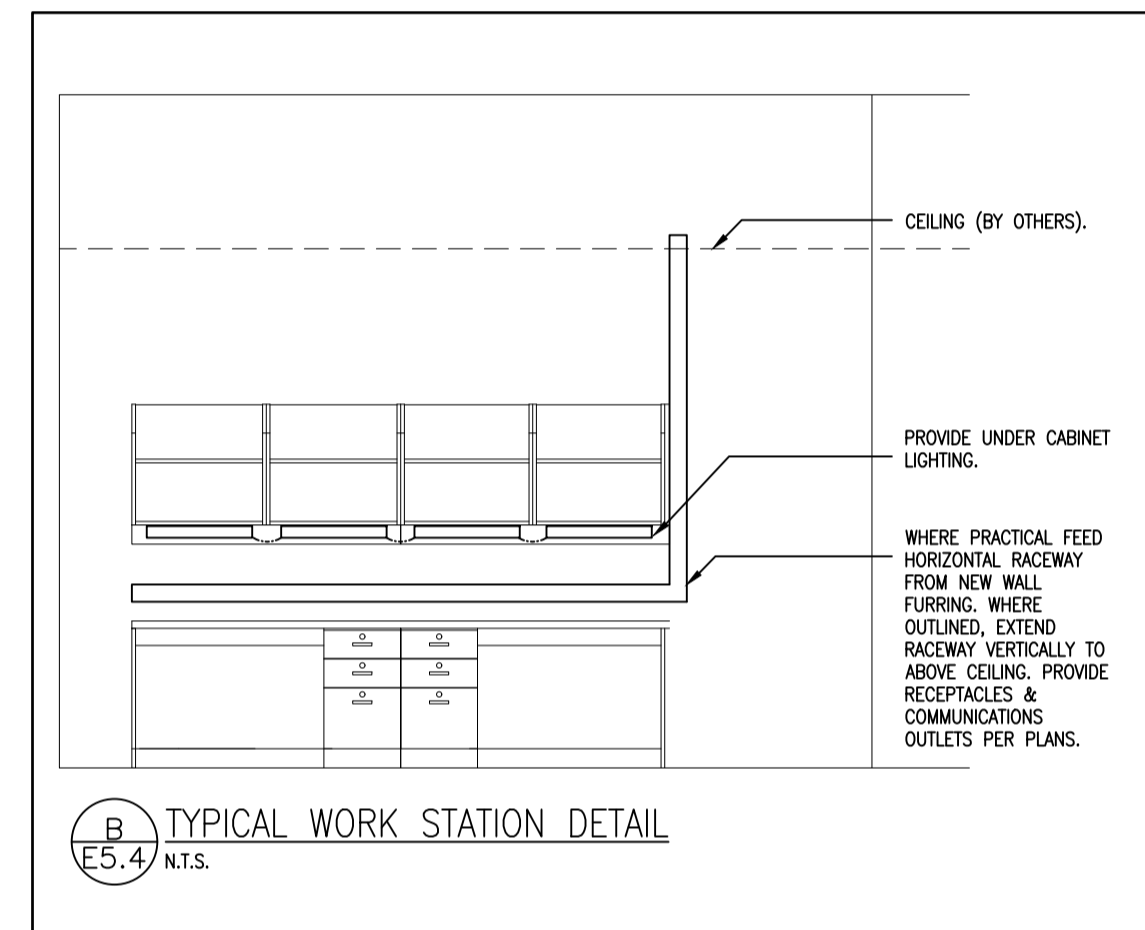
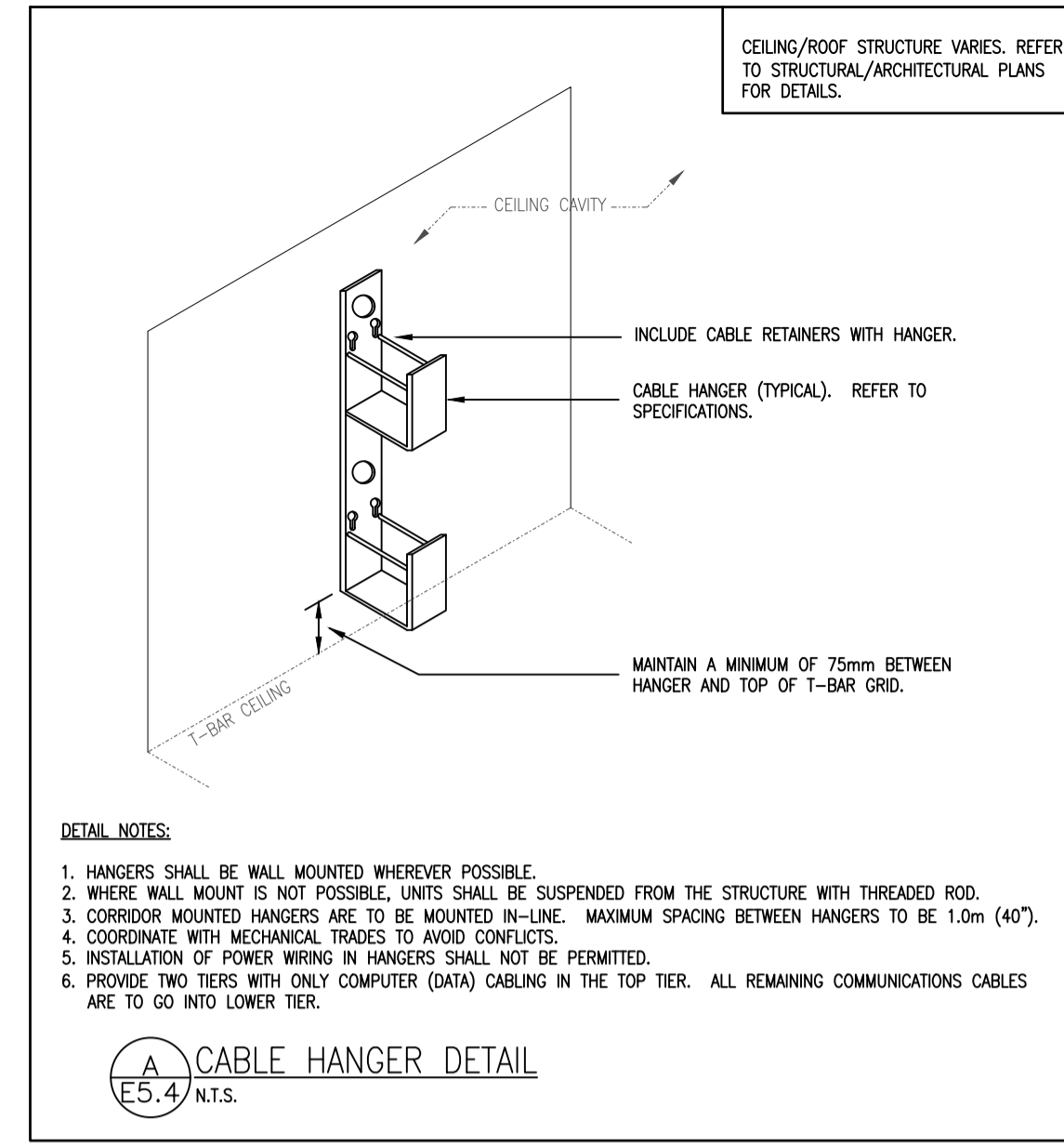
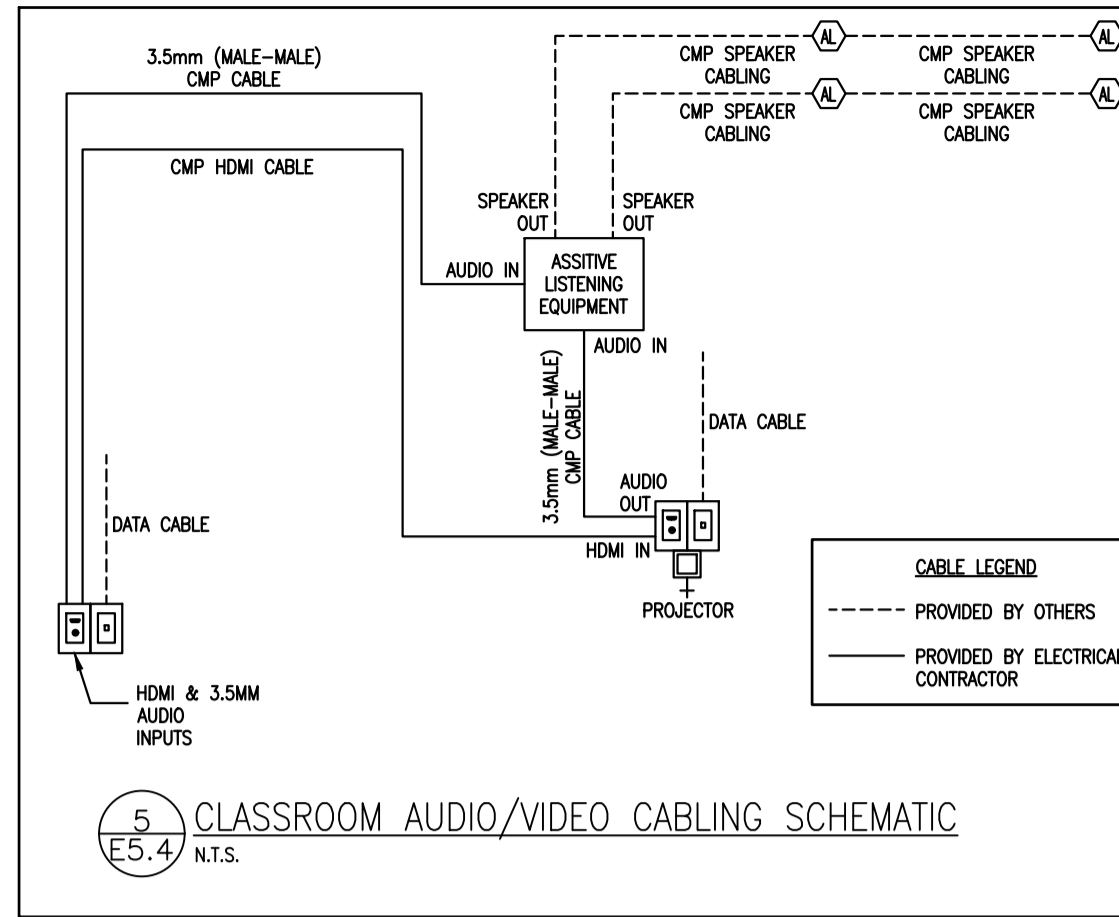
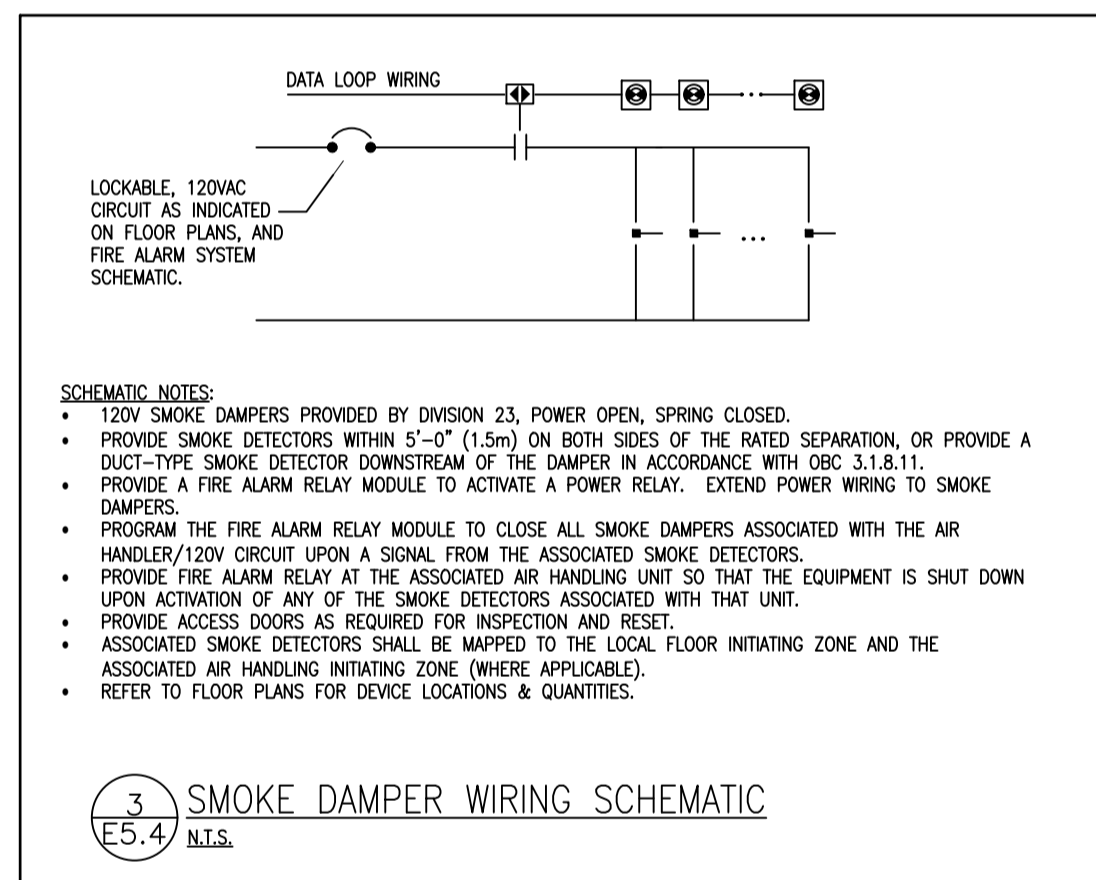
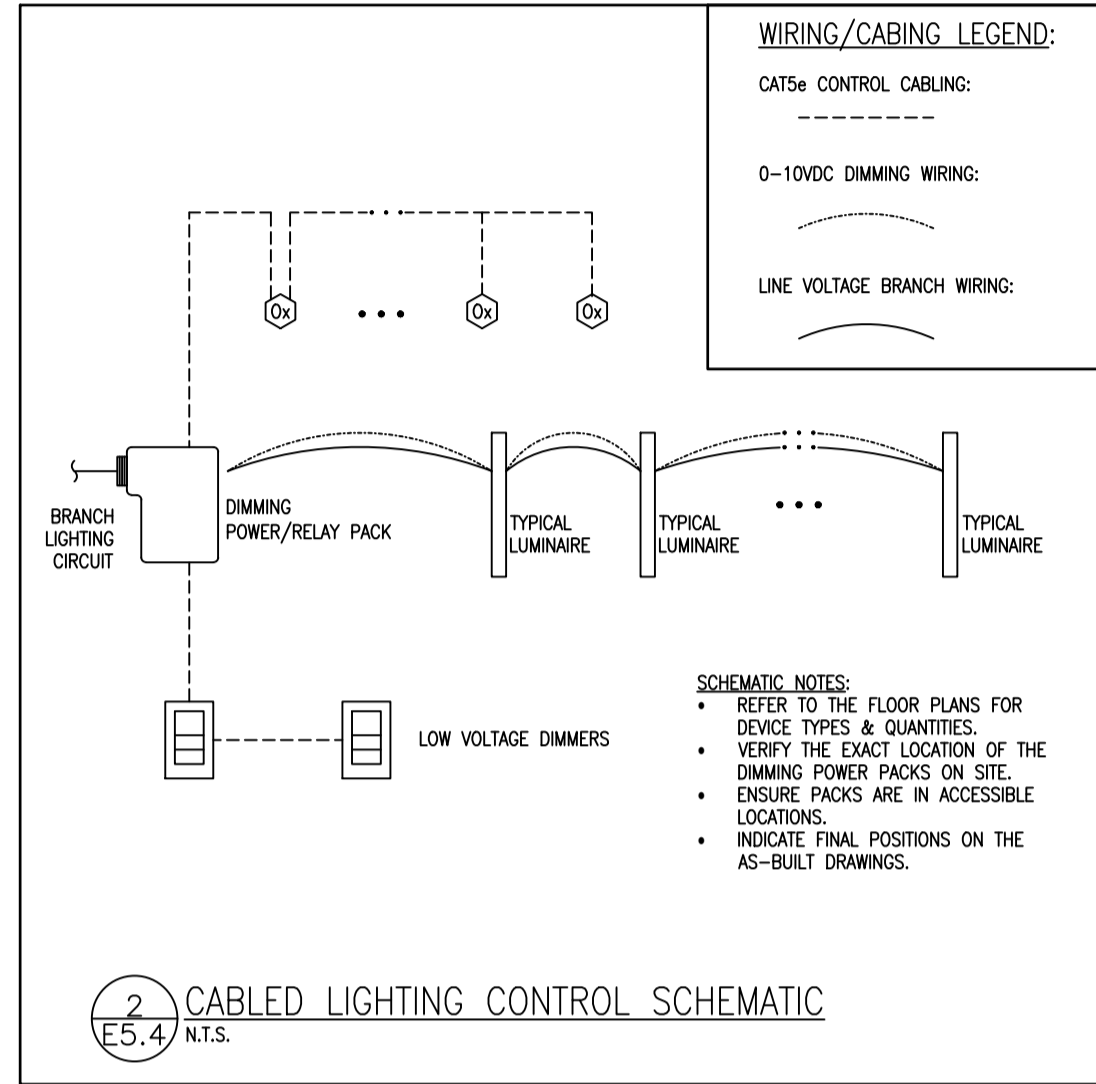
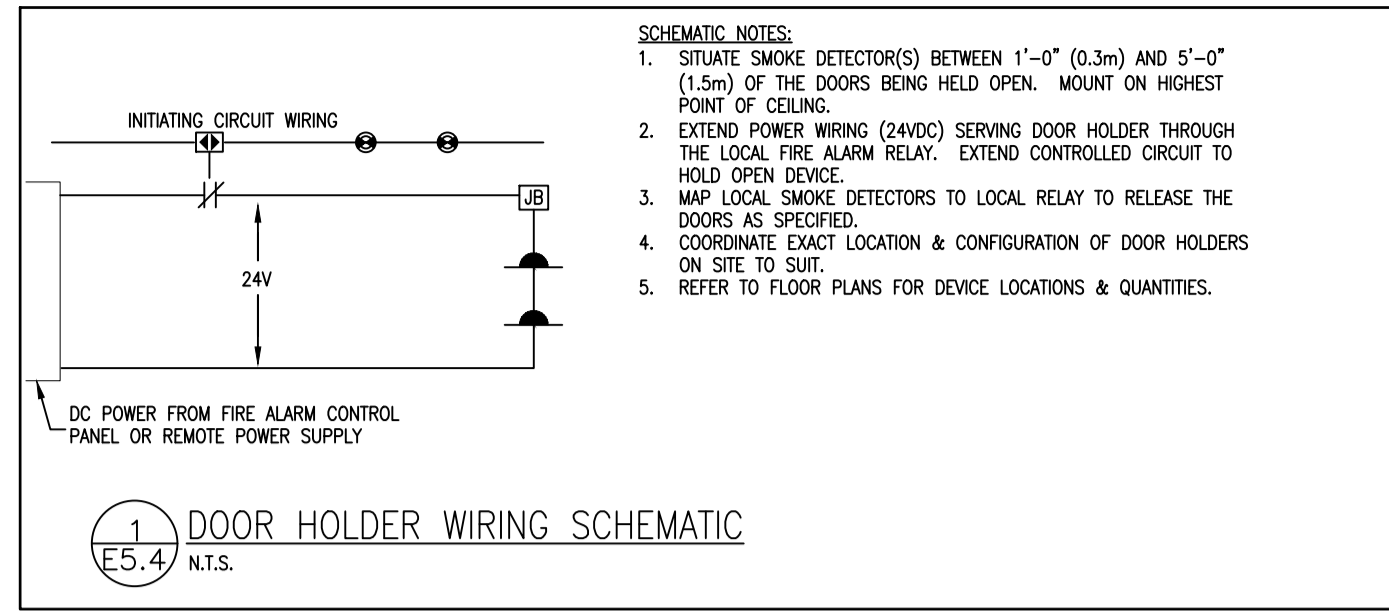
**NOTES:**

- EXISTING LOAD.
- EXISTING SPARE BREAKER SHALL REMAIN.
- NEW LOAD. PROVIDE BREAKER & BRANCH WIRING.

**LOAD (W)** LOCATION: ELECTRICAL 819A **MANS (A)** VOLTAGE: 400A **#/WIRE** TYPE: 3/4 **MOUNTING** SURFACE **MAIN BRKR (A)** N/A

**NEW PANEL 'D'**

NO.	WATTS	A	P	LOAD DESCRIPTION	#	LOAD DESCRIPTION	P	A	WATTS	NO.			
1	300	15	1		*12	A			6	1	20	900	2
3	300	15	1		*12	B			6	1	20	900	4
5	300	15	1		*12	C			6	1	20	1400	6
7	300	15	1		*12	A			6	1	20	300	8
9	300	15	1		*12	B			6	1	15	300	10
11	300	15	1		*12	C			6	1	15	300	12
13	300	15	1		*12	A			6	1	20	1450	14
15	300	15	1		*12	B			6	1	20	1450	16
17	300	15	1		*12	C			6	1	20	1450	18
19	300	15	1		*12	A			6	1	20	1450	20
21	300	15	1		*12	B			6	1	20	1450	22
23	300	15	1		*12	C			6	1	20	1450	24
25	300	15	1		*12	A			6	1	20	1450	26
27	300	15	1		*12	B			6	1	20	1450	28
29	300	15	1		*13	C			6	1	15	200	30
31	300	15	1		*13	A			7	1	15	32	32
33	300	15	1		*13	B			7	1	15	34	34
35	300	15	1		*14	C			7	1	15	36	36
37	300	15	1		*14	A			6	1	15	300	38
39	300	15	1		*14	B			6	1	15	300	40
41	300	15	1		*14	C			6	1	15	300	42
43	300	15	1		*14	A			6	1	15	300	44
45	300	15	1		*14	B			6	1	15	400	46
47	300	15	1		*14	C			6	1	15	400	48
49	300	15	1		*14	A			6	1	15	250	50
51	300	15	1		*14	B			6	1	15	52	52
53	300	15	1		*14	C			6	1	15	300	54
55	300	15	1		*15	A			6	1	15	200	56
57	300	15	1		*15	B			6	1	20	100	58
59	300	15	1		*15	C			7	1	15	60	60
61	300	15	1		*15	A			6	1	15	300	62
63	20				*7	B			6	8	1	20	54
65	20				*7	C			6	1	20	100	66
67	20				*7	A			6	1	20	700	68
69						B						70	70
71						C						72	72
73													



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22 Kevo Place - Box A  
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02.13.26	ISSUED FOR COORDINATION	A.W.G.
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03.27.26	ISSUED FOR BID	A.W.G.

**MNE ENGINEERING**



**Waterloo Oxford District Secondary School**

WINDOW REPLACEMENTS, INTERIOR ALTERATIONS AND HVAC UPGRADES

1206 Snyder's Rd W. Baden, On N3A 1A4

Project No.: 26012

Drawn By: A.W.T.

Checked By: A.W.G.

**ELECTRICAL DETAILS & SCHEMATICS**