

**T26-04 Archbishop Denis O'Connor Catholic High School HVAC Replacement
Addendum No 4**

Closing Date: Monday May 25, 2026, 2:00 PM

Addendum Date: Tuesday, May 12, 2026

Issued by: Purchasing Services
Durham Catholic District School Board

This addendum will form a part of the bid documents for the above noted Bid and shall be read in conjunction herewith. This addendum will take precedence over all requirements of the original bid documents and any addenda issued previously.

Bidders shall acknowledge receipt of this addendum with their electronic bid submission on the declaration page in the bidding system.

See attached drawings to Electrical Addendum No E1.

[End of Addendum No 4]

ELECTRICAL ADDENDUM No. E1

Project No. 25119
Page 1
May 11, 2026



23 Lesmill Road, Unit 410
Toronto, ON, Canada M3B 3P6
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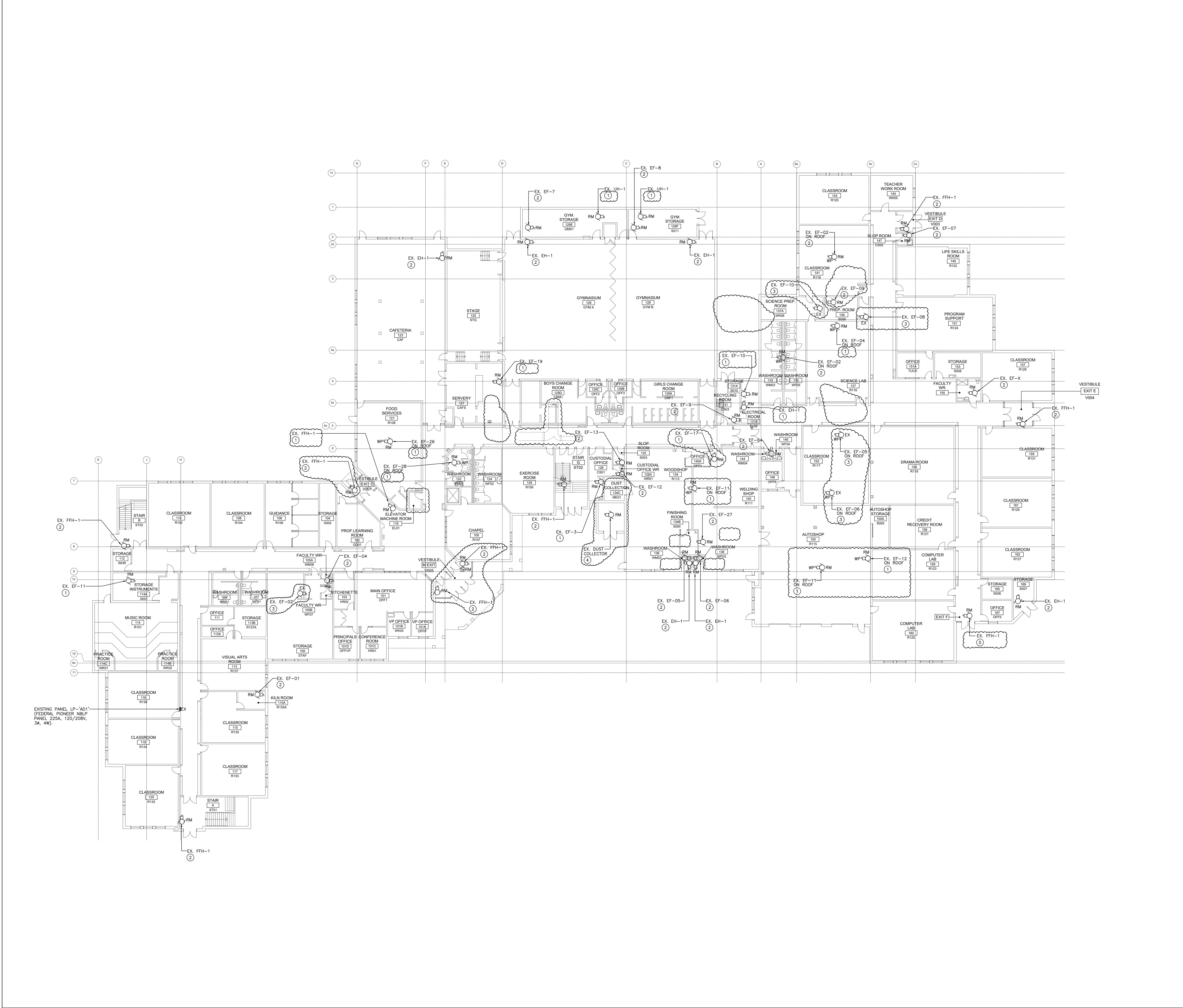
The following additions, deletions, amendments and/or items of clarification are hereby made an integral part of the Tender Documents. All revisions shall be made to the drawings and/or specifications and all costs for same shall be included in the Stipulated Price.

CHANGES TO DRAWINGS

Drawings E000, E100, E101, E102, E200, E201, E202, E203, E300, E301 have been revised as shown on attached.

END OF ELECTRICAL ADDENDUM E1

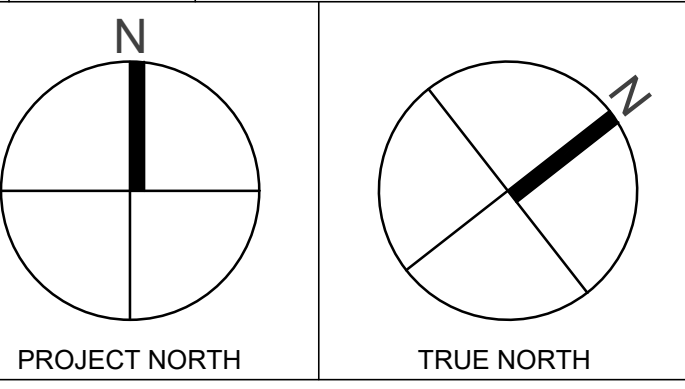
- NOTES:**
- 1 DISCONNECT POWER AND CONTROL WIRING TO THE EXISTING MECHANICAL EQUIPMENT. REMOVE ALL ASSOCIATED ELECTRICAL EQUIPMENT, INCLUDING BUT NOT LIMITED TO DISCONNECT SWITCH, STARTER/CONTROLLER, CONDUITS, AND WIRING, BACK TO THE SOURCE.
 - 2 DISCONNECT EXISTING POWER SUPPLY TO EXISTING MECHANICAL EQUIPMENT. REMOVE EXISTING DISCONNECT SWITCH AND STARTER/CONTROLLER. RETAIN EXISTING CIRCUIT, BREAKER, CONDUIT AND WIRING TO THE EXTENT PRACTICABLE FOR RECONNECTION TO NEW MECHANICAL EQUIPMENT AT APPROXIMATE SAME LOCATION, UNLESS NOTED OTHERWISE.
 - 3 EXISTING MECHANICAL EQUIPMENT TO REMAIN. RETAG EXISTING MECHANICAL EQUIPMENT WITH NEW EQUIPMENT TAG AS INDICATED ON DRAWING E200.
 - 4 DISCONNECT EXISTING POWER AND CONTROL WIRING SERVING THE EXISTING DUST COLLECTOR. REMOVE EXISTING DISCONNECT SWITCHES AND CONTROL PANELS. RETAIN EXISTING DISCONNECT BREAKERS, CONDUITS AND WIRING TO THE EXTENT PRACTICABLE FOR RECONNECTION TO THE NEW DUST COLLECTOR TO BE INSTALLED AT APPROXIMATELY THE SAME LOCATION, UNLESS NOTED OTHERWISE.
 - 5 DISCONNECT EXISTING POWER SUPPLY TO EXISTING MECHANICAL EQUIPMENT. REMOVE EXISTING DISCONNECT SWITCH AND STARTER/CONTROLLER. RETAIN EXISTING CIRCUIT, BREAKER, CONDUIT AND WIRING TO THE EXTENT PRACTICABLE FOR RECONNECTION TO NEW MECHANICAL EQUIPMENT AS SHOWN, UNLESS NOTED OTHERWISE.



1 GROUND FLOOR DEMOLITION PLAN
 E100 SCALE: 1:200

REVISIONS/SUBMISSIONS

No.	DATE	DESCRIPTION
1	2026-04-16	ISSUED FOR TENDER
2	2026-04-21	ISSUED FOR PERMIT
3	2026-05-11	ISSUED FOR ADDENDUM NO. E1



rybka
 Ellard Willson
 23 Lesmill Road, Unit 410
 Toronto, ON M3B 3P6

Project Title
ARCHBISHOP DENIS O'CONNOR MECHANICAL UPGRADES

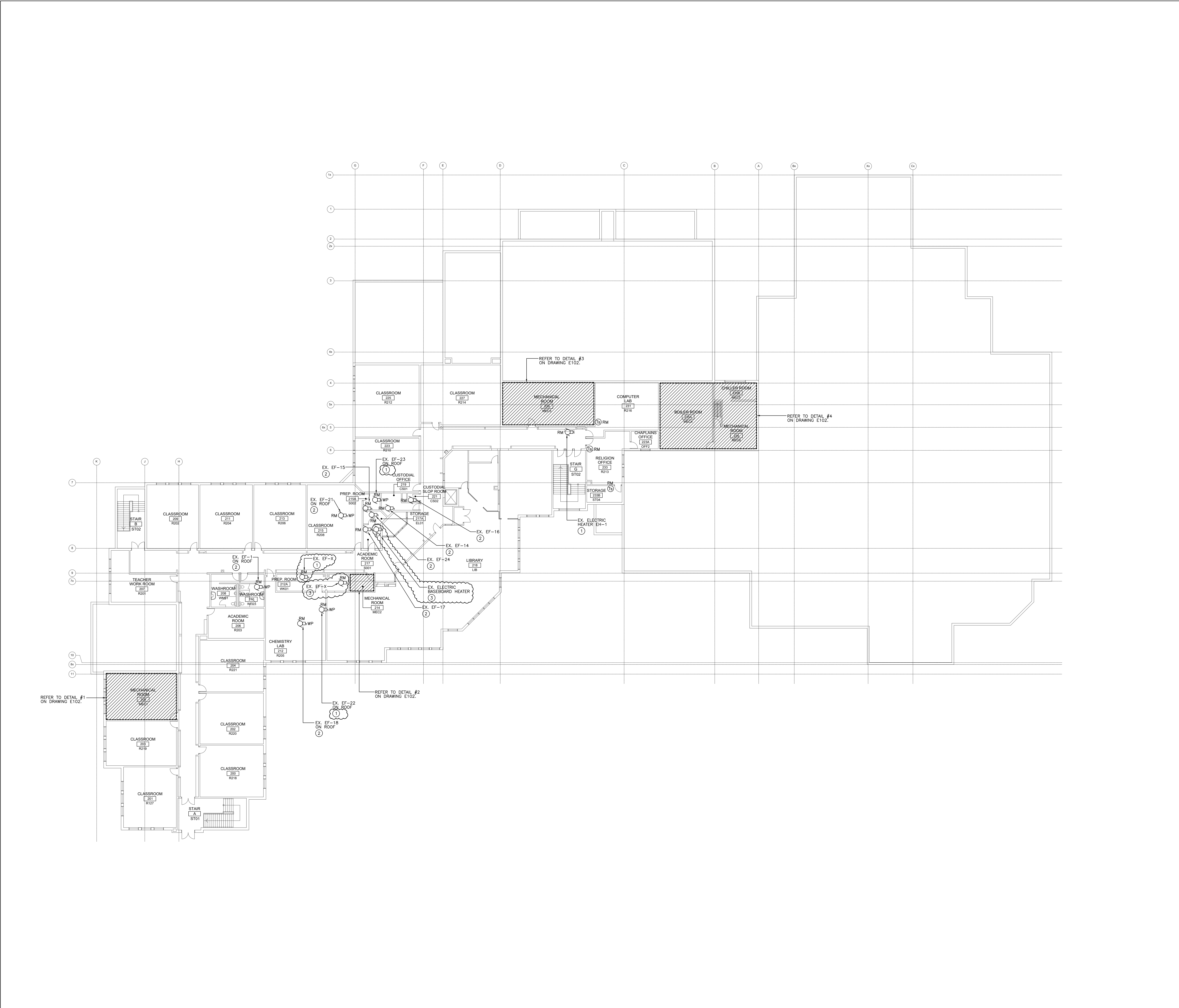
80 MANDRAKE ST.
 AJAX ON L1S 5H4

Sheet Title
GROUND FLOOR - ELECTRICAL DEMOLITION PLAN

Project Number	25119
Date	APR. 2026
Drawn	F.C.
Checked	T.M.
Scale	AS INDICATED
Drawing Number	E100

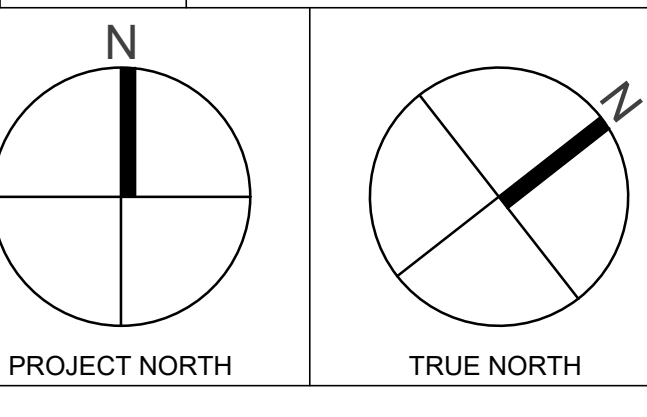
NOTES:

- ① DISCONNECT POWER AND CONTROL WIRING TO THE EXISTING MECHANICAL EQUIPMENT. REMOVE ALL ASSOCIATED ELECTRICAL EQUIPMENT, INCLUDING BUT NOT LIMITED TO DISCONNECT SWITCH, STARTER/CONTROLLER, CONDUITS, AND WIRING, BACK TO THE SOURCE.
- ② DISCONNECT EXISTING POWER SUPPLY TO EXISTING MECHANICAL EQUIPMENT. REMOVE EXISTING DISCONNECT SWITCH AND STARTER/CONTROLLER. RETAIN EXISTING CIRCUIT, BREAKER, CONDUIT AND WIRING TO THE EXTENT PRACTICABLE FOR RECONNECTION TO NEW MECHANICAL EQUIPMENT AT APPROXIMATE SAME LOCATION, UNLESS NOTED OTHERWISE.
- ③ EXISTING MECHANICAL EQUIPMENT TO REMAIN. RETAG EXISTING MECHANICAL EQUIPMENT WITH NEW EQUIPMENT TAG AS INDICATED ON DRAWING E202.



1 SECOND FLOOR DEMOLITION PLAN
 E101 SCALE: 1:200

REVISIONS/SUBMISSIONS		
No.	DATE	DESCRIPTION
1	2026-04-16	ISSUED FOR TENDER
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3	2026-05-11	ISSUED FOR ADDENDUM NO. E1

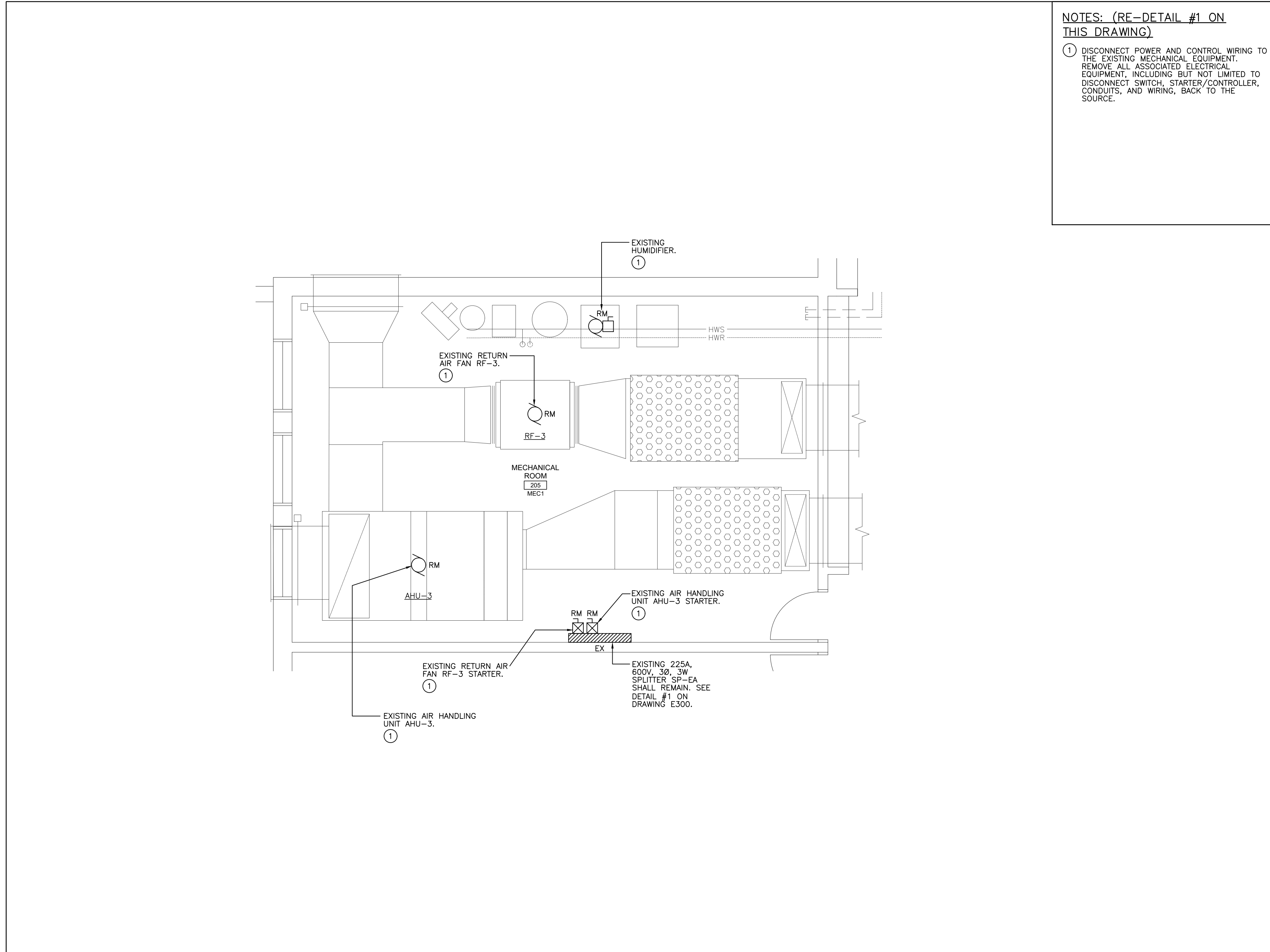


Project Title
ARCHBISHOP DENIS O'CONNOR MECHANICAL UPGRADES

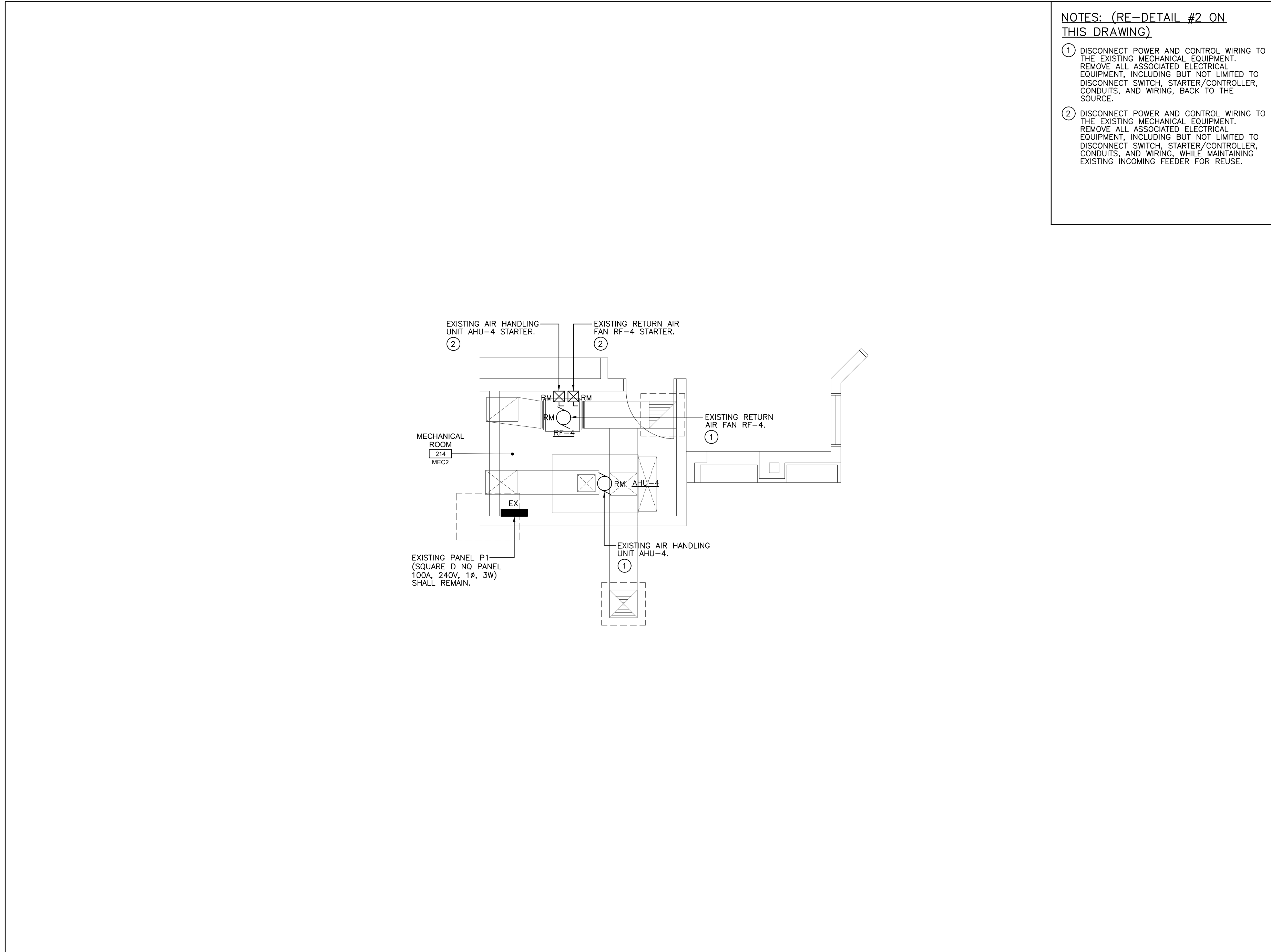
80 MANDRAKE ST.
 AJAX ON L1S 5H4

Sheet Title
SECOND FLOOR - ELECTRICAL DEMOLITION PLAN

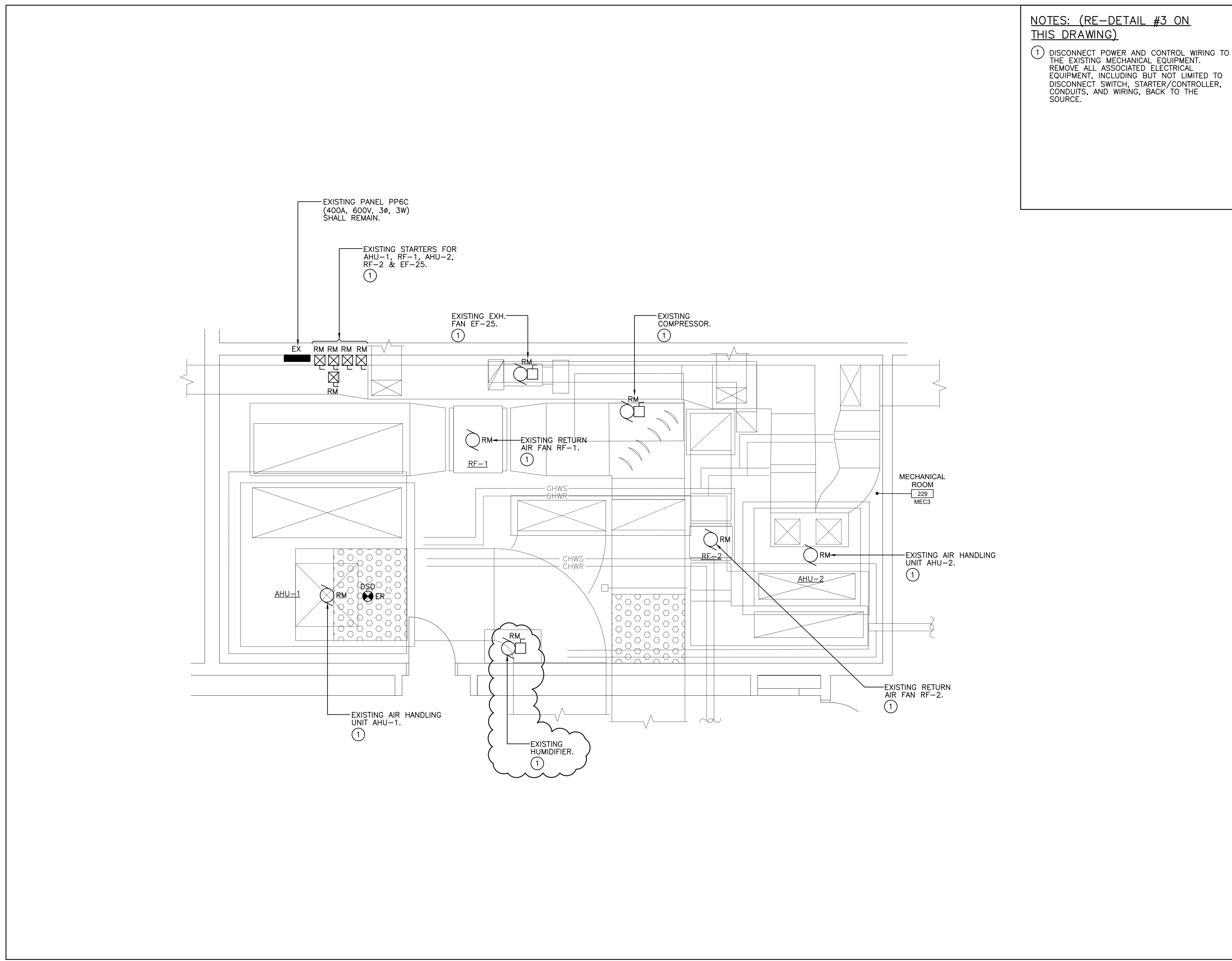
Project Number	25119
Date	APR. 2026
Drawn	F.C.
Checked	T.M.
Scale	AS INDICATED
Drawing Number	E101



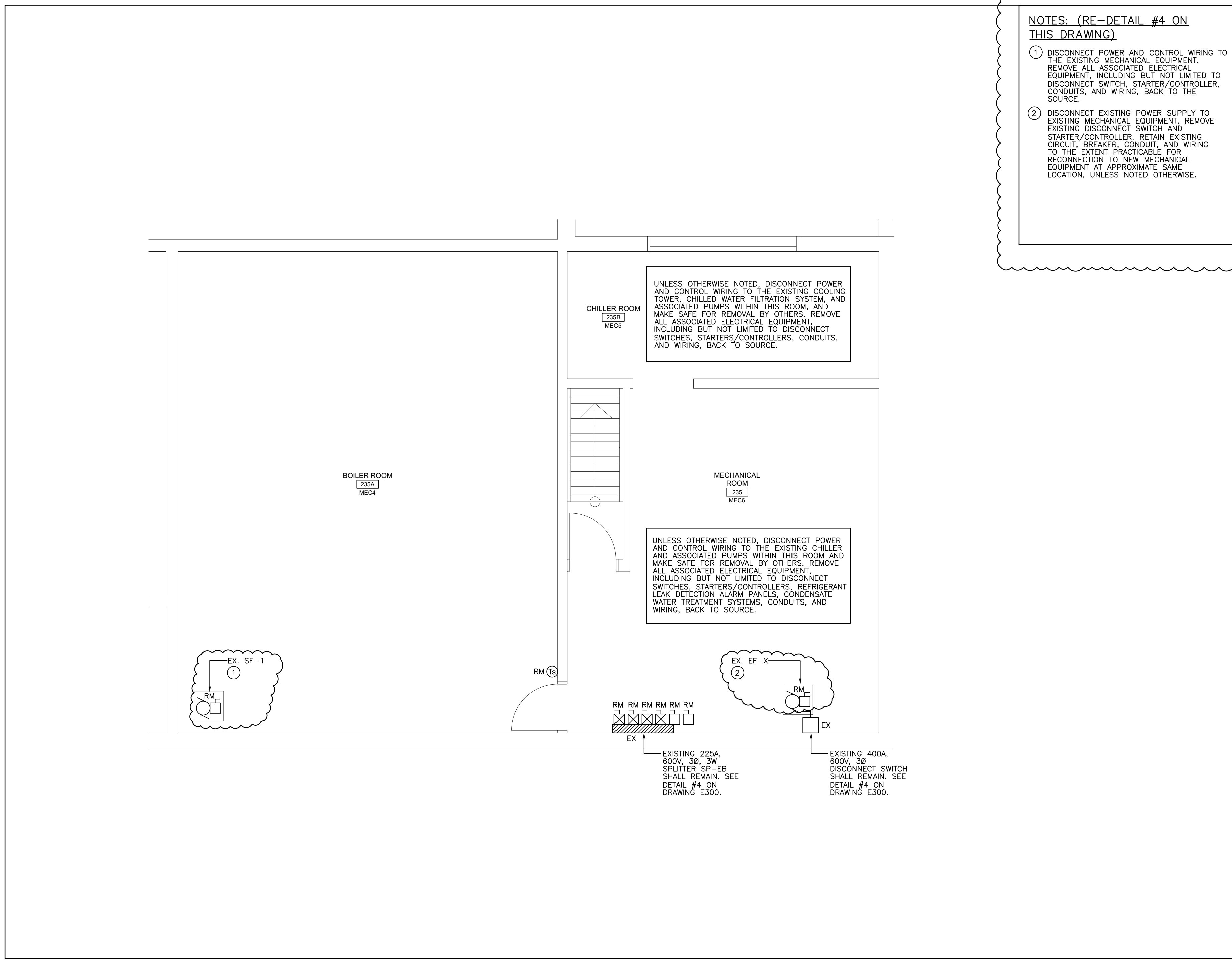
1 MECHANICAL ROOM #205 (MEC1)
 E102 SCALE: 1:50



2 MECHANICAL ROOM #214 (MEC2)
 E102 SCALE: 1:50



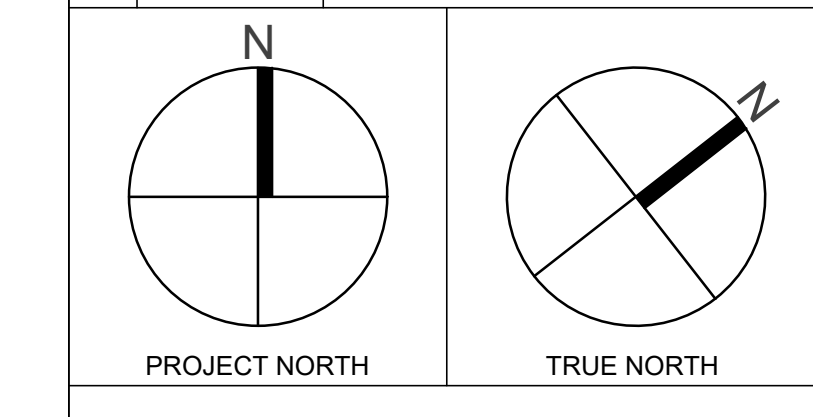
3 MECHANICAL ROOM #229 (MEC3)
 E102 SCALE: 1:50



4 MECHANICAL ROOM #235 (MEC6), BOILER ROOM #235A (MEC4) AND CHILLER ROOM #235B (MEC5)
 E102 SCALE: 1:50

NOTES: (RE-DETAIL #2 ON THIS DRAWING)
 1 DISCONNECT POWER AND CONTROL WIRING TO THE EXISTING MECHANICAL EQUIPMENT. REMOVE ALL ASSOCIATED ELECTRICAL EQUIPMENT, INCLUDING BUT NOT LIMITED TO DISCONNECT SWITCH, STARTER/CONTROLLER, CONDUITS, AND WIRING, BACK TO THE SOURCE.
 2 DISCONNECT EXISTING POWER SUPPLY TO EXISTING MECHANICAL EQUIPMENT. REMOVE EXISTING DISCONNECT SWITCH AND STARTER/CONTROLLER. RETAIN EXISTING CIRCUIT BREAKER, CONDUIT, AND WIRING TO THE EXTENT PRACTICABLE FOR RECONNECTION TO NEW MECHANICAL EQUIPMENT AT APPROXIMATE SAME LOCATION, UNLESS NOTED OTHERWISE.

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Project Title
ARCHBISHOP DENIS O'CONNOR MECHANICAL UPGRADES

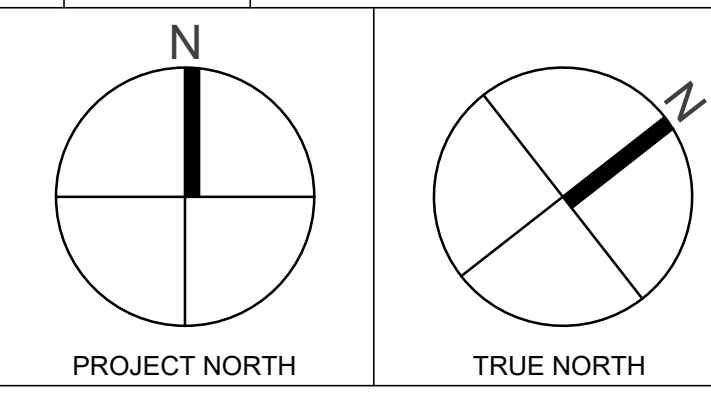
80 MANDRAKE ST.
 AJAX ON L1S 5H4

Sheet Title
SECOND FLOOR MECHANICAL ROOMS - ELECTRICAL DEMOLITION PLANS

Project Number 25119
 Date APR. 2026
 Drawn F.C.
 Checked T.M.
 Scale AS INDICATED
 Drawing Number

- NOTES:**
- 1 RECONNECT NEW MECHANICAL EQUIPMENT AND ITS ASSOCIATED STARTER/CONTROLLER TO THE EXISTING CIRCUIT PROUDLY SERVING THE REMOVED EQUIPMENT. INSTALL THE NEW STARTER/CONTROLLER AT, OR AS CLOSE AS POSSIBLE TO, THE LOCATION OF THE REMOVED STARTER/CONTROLLER.
 SUPPLY AND INSTALL A RIB RELAY TO INTERCEPT THE EXISTING FEEDER FOR INTERFERENCE WITH THE BAS SYSTEM. CONTROL WIRING SHALL BE PROVIDED BY THE BAS CONTROL CONTRACTOR. COORDINATE WITH THE BAS CONTROL CONTRACTOR ON SITE. THE RIB RELAY SHALL BE SUITABLE FOR MOTOR LOAD SERVED. VERIFY RELAY HORSEPOWER AND CURRENT RATING PRIOR TO INSTALLATION.
 PRIOR TO CONNECTION, THE ELECTRICAL CONTRACTOR SHALL VERIFY THAT THE EXISTING PANELS, PHASE LOAD CAPACITY, AND BREAKER SIZE ARE SUITABLE FOR THE NEW EQUIPMENT. EXTEND AND MODIFY EXISTING WIRING AS REQUIRED, AND PROVIDE ALL NECESSARY MATERIALS AND FINAL CONNECTIONS TO COMPLETE THE INSTALLATION.
 UPDATE THE CORRESPONDING PANEL SCHEDULE TO REFLECT THE NEW MECHANICAL EQUIPMENT DESIGNATION (TYPED, NOT HANDWRITTEN).
 - 2 RECONNECT NEW MECHANICAL EQUIPMENT TO THE EXISTING CIRCUIT PREVIOUSLY SERVING THE REMOVED EQUIPMENT.
 PRIOR TO CONNECTION, THE ELECTRICAL CONTRACTOR SHALL VERIFY THAT THE EXISTING PANELS, PHASE LOAD CAPACITY, AND BREAKER SIZE ARE SUITABLE FOR THE NEW EQUIPMENT. EXTEND AND MODIFY EXISTING WIRING AS REQUIRED, AND PROVIDE ALL NECESSARY MATERIALS AND FINAL CONNECTIONS TO COMPLETE THE INSTALLATION.
 UPDATE THE CORRESPONDING PANEL SCHEDULE TO REFLECT THE NEW MECHANICAL EQUIPMENT DESIGNATION (TYPED, NOT HANDWRITTEN).
 - 3 ELECTRICAL CONTRACTOR SHALL TEMPORARILY DISCONNECT THE FOLLOWING EXISTING WALL-MOUNTED ELECTRICAL EQUIPMENT/DEVICES AND REMOVE FROM THEIR LOCATIONS AND TEMPORARILY TAP BACK AND CONNECT TO THE SAME EXISTING ELECTRICAL CIRCUITS OR ZONE CIRCUITS AFTER COMPLETION/INSTALLATION OF EXISTING NEW CEILING (PROVIDE ALL ASSOCIATED COMPONENTS AND ADJUST TO SUIT):
 80 LIGHT FIXTURES
 5 EMERGENCY EXIT FIXTURES
 15 P.A. SPEAKERS
 2 FIRE ALARM DETECTORS
 2 SECURITY SYSTEM MOTION DETECTOR
 SPACING OF RE-INSTALLED LIGHT FIXTURES AND OTHER DEVICES SHALL MATCH OTHER PART OF EXISTING LINE OF SAME CORRIDOR. COORDINATE ALL WORK WITH THE ARCHITECT ON SITE.
 PROVIDE CONDUIT SUPPORT FOR ALL EXISTING CONDUITS AND CABLES FOR POWER, FIRE ALARM SYSTEM, COMMUNICATIONS SYSTEM, P.A. SYSTEM AND SECURITY SYSTEM ETC.) SUPPORTED WITH EXISTING ISOLATING DURING AND AFTER COMPLETION OF CEILING. COORDINATE ALL WORK ON SITE.
 ELECTRICAL CONTRACTOR SHALL TEMPORARILY DISCONNECT AND REMOVE THE FOLLOWING EXISTING WALL-MOUNTED ELECTRICAL EQUIPMENT/DEVICES AS REQUIRED TO ACCOMMODATE CEILING LOWERING. REINSTALL THE EQUIPMENT/DEVICES AT NEW LOCATIONS. RECONNECT TO THE SAME EXISTING ELECTRICAL CIRCUITS AND/OR ZONE CIRCUITS. PROVIDE NECESSARY MATERIALS, ACCESSORIES, CONDUIT, WIRING, MODIFICATIONS, AND FINAL CONNECTIONS TO COMPLETE THE WORK.
 2 UNIVERSAL WASHROOM EMERGENCY ASSISTANT LIGHTS
 2 EMERGENCY EXIT SIGNS
 2 FIRE ALARM CONTROLS
 2 SECURITY CAMERAS
 2 SECURITY SYSTEM MOTION DETECTOR
 - 4 EXISTING MECHANICAL EQUIPMENT TO REMAIN. RETAG EXISTING MECHANICAL EQUIPMENT WITH NEW EQUIPMENT TAG AS INDICATED.
 UPDATE THE CORRESPONDING PANEL SCHEDULE TO REFLECT THE NEW MECHANICAL EQUIPMENT DESIGNATION (TYPED, NOT HANDWRITTEN).
 - 5 REPLACE THE EXISTING BREAKER PREVIOUSLY SERVING THE REMOVED MECHANICAL EQUIPMENT WITH A NEW BREAKER IN THE SAME EXISTING PANEL. PROVIDE NEW FEEDER CONDUIT/WIRING FROM THIS NEW BREAKER TO SUPPLY THE REMOVED MECHANICAL EQUIPMENT. INSTALL THE NEW STARTER/CONTROLLER AT, OR AS CLOSE AS POSSIBLE TO, THE LOCATION OF THE REMOVED STARTER/CONTROLLER. MAKE ALL FINAL CONNECTIONS TO THE NEW MECHANICAL EQUIPMENT AND ASSOCIATED STARTER/CONTROLLER.
 SUPPLY AND INSTALL A RIB RELAY TO INTERCEPT THE FEEDER FOR INTERFERENCE WITH THE BAS SYSTEM. CONTROL WIRING BETWEEN THE BAS SYSTEM AND THE RIB RELAY SHALL BE PROVIDED BY THE BAS CONTROL CONTRACTOR. COORDINATE WITH THE BAS CONTROL CONTRACTOR ON SITE. THE RIB RELAY SHALL BE SUITABLE FOR MOTOR LOAD SERVED. VERIFY RELAY HORSEPOWER AND CURRENT RATING PRIOR TO INSTALLATION.
 UPDATE THE CORRESPONDING PANEL SCHEDULE TO REFLECT THE NEW MECHANICAL EQUIPMENT DESIGNATION (TYPED, NOT HANDWRITTEN).
 REFER TO FLOOR PLAN FOR NEW BREAKER SIZE AND NEW FEEDER CONDUIT/WIRING REQUIREMENTS.
 - 6 PROVIDE NEW BREAKER AND NEW FEEDER CONDUIT/WIRING AS SHOWN. INSTALL THE NEW STARTER/CONTROLLER AT, OR AS CLOSE AS POSSIBLE TO, THE LOCATION OF THE REMOVED STARTER/CONTROLLER. MAKE ALL FINAL CONNECTIONS TO THE NEW MECHANICAL EQUIPMENT AND ASSOCIATED STARTER/CONTROLLER.
 UPDATE THE CORRESPONDING PANEL SCHEDULE TO REFLECT THE NEW MECHANICAL EQUIPMENT DESIGNATION (TYPED, NOT HANDWRITTEN).
 - 7 RECONNECT THE NEW DUST COLLECTOR AND ASSOCIATED CONTROL PANELS TO THE EXISTING POWER CIRCUITS AND CONTROL WIRING PREVIOUSLY SERVING THE REMOVED DUST COLLECTOR. CONNECT THE NEW EQUIPMENT TO THE EXISTING DUST COLLECTOR CONTROL AND SPARK DETECTION SYSTEMS. INSTALL THE NEW CONTROL PANELS AT, OR AS CLOSE AS POSSIBLE TO, THE LOCATION OF THE REMOVED CONTROL PANELS.
 PRIOR TO CONNECTION, THE ELECTRICAL CONTRACTOR SHALL VERIFY THAT THE EXISTING VOLTAGE, PHASE LOAD CAPACITY, AND BREAKER SIZE ARE SUITABLE FOR THE NEW EQUIPMENT. EXTEND AND MODIFY EXISTING WIRING AS REQUIRED, AND PROVIDE ALL NECESSARY MATERIALS AND FINAL CONNECTIONS TO COMPLETE THE INSTALLATION.
 UPDATE THE CORRESPONDING PANEL SCHEDULE TO REFLECT THE NEW MECHANICAL EQUIPMENT DESIGNATION (TYPED, NOT HANDWRITTEN).
 REFER TO FLOOR PLAN FOR NEW BREAKER SIZE AND NEW FEEDER CONDUIT/WIRING REQUIREMENTS.
 - 8 REPLACE THE EXISTING BREAKER PREVIOUSLY SERVING THE REMOVED MECHANICAL EQUIPMENT WITH A NEW BREAKER IN THE SAME EXISTING PANEL. PROVIDE NEW FEEDER CONDUIT/WIRING FROM THIS NEW BREAKER TO SUPPLY THE REMOVED MECHANICAL EQUIPMENT. INSTALL THE NEW STARTER/CONTROLLER AT, OR AS CLOSE AS POSSIBLE TO, THE LOCATION OF THE REMOVED STARTER/CONTROLLER. MAKE ALL FINAL CONNECTIONS TO THE NEW MECHANICAL EQUIPMENT AND ASSOCIATED STARTER/CONTROLLER.
 SUPPLY AND INSTALL A RIB RELAY TO INTERCEPT THE FEEDER FOR INTERFERENCE WITH THE BAS SYSTEM. CONTROL WIRING BETWEEN THE BAS SYSTEM AND THE RIB RELAY SHALL BE PROVIDED BY THE BAS CONTROL CONTRACTOR. COORDINATE WITH THE BAS CONTROL CONTRACTOR ON SITE. THE RIB RELAY SHALL BE SUITABLE FOR MOTOR LOAD SERVED. VERIFY RELAY HORSEPOWER AND CURRENT RATING PRIOR TO INSTALLATION.
 UPDATE THE CORRESPONDING PANEL SCHEDULE TO REFLECT THE NEW MECHANICAL EQUIPMENT DESIGNATION (TYPED, NOT HANDWRITTEN).
 REFER TO FLOOR PLAN FOR NEW BREAKER SIZE AND NEW FEEDER CONDUIT/WIRING REQUIREMENTS.
 - 9 SUPPLY AND INSTALL A RIB RELAY TO INTERCEPT THE FEEDER FOR INTERFERENCE WITH THE BAS SYSTEM. CONTROL WIRING BETWEEN THE BAS SYSTEM AND THE RIB RELAY SHALL BE PROVIDED BY THE BAS CONTROL CONTRACTOR. COORDINATE WITH THE BAS CONTROL CONTRACTOR ON SITE. THE RIB RELAY SHALL BE SUITABLE FOR MOTOR LOAD SERVED. VERIFY RELAY HORSEPOWER AND CURRENT RATING PRIOR TO INSTALLATION.
 UPDATE THE CORRESPONDING PANEL SCHEDULE TO REFLECT THE NEW MECHANICAL EQUIPMENT DESIGNATION (TYPED, NOT HANDWRITTEN).
 REFER TO FLOOR PLAN FOR NEW BREAKER SIZE AND NEW FEEDER CONDUIT/WIRING REQUIREMENTS.
 - 10 PROVIDE ALL REQUIRED COMPONENTS AND CONNECTIONS TO ACHIEVE THE REQUIRED INTERLOCK CONTROL SEQUENCE BETWEEN THE FAIL AND THE EXISTING LINE VOLTAGE MOTORIZED DAMPERS.

REVISIONS/SUBMISSIONS		
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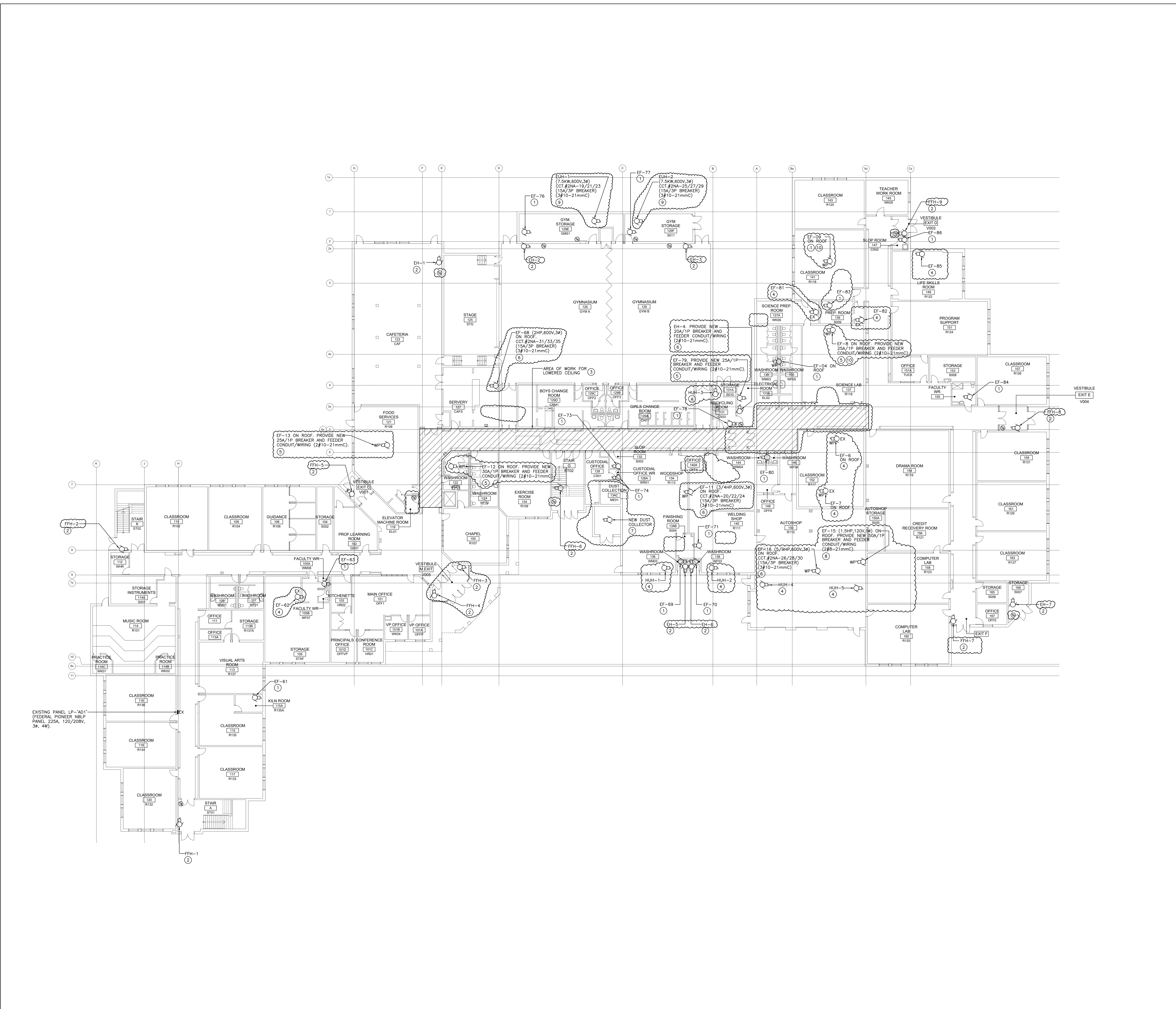


Project Title
ARCHBISHOP DENIS O'CONNOR MECHANICAL UPGRADES

80 MANDRAKE ST.
 AJAX ON L1S 5H4

Sheet Title
GROUND FLOOR - ELECTRICAL NEW PLAN

Project Number	25119
Date	APR. 2026
Drawn	F.C.
Checked	T.M.
Scale	AS INDICATED
Drawing Number	E200

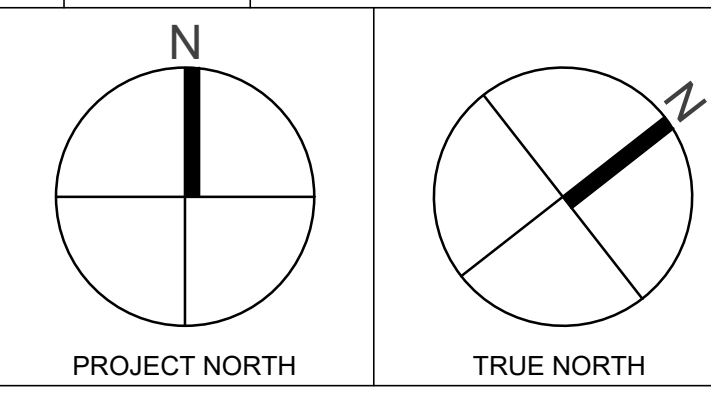


1 GROUND FLOOR NEW PLAN
 E200 SCALE: 1:200

- NOTES:**
- 1 RECONNECT NEW MECHANICAL EQUIPMENT AND ITS ASSOCIATED STARTER/CONTROLLER TO THE EXISTING CIRCUIT PREVIOUSLY SERVING THE REMOVED EQUIPMENT. INSTALL THE NEW STARTER/CONTROLLER AT, OR AS CLOSE AS POSSIBLE TO, THE LOCATION OF THE REMOVED STARTER/CONTROLLER.
 SUPPLY AND INSTALL A RIB RELAY TO INTERCEPT THE EXISTING FEEDER FOR INTERFACE WITH THE BAS SYSTEM. CONTROL WIRING BETWEEN THE BAS SYSTEM AND THE RIB RELAY SHALL BE PROVIDED BY THE BAS CONTROL CONTRACTOR. COORDINATE WITH THE BAS CONTROL CONTRACTOR ON SITE. THE RIB RELAY SHALL BE SUITABLE FOR MOTOR LOAD SERVED. VERIFY RELAY HORSEPOWER AND CURRENT RATING PRIOR TO INSTALLATION.
 PRIOR TO CONNECTION, THE ELECTRICAL CONTRACTOR SHALL VERIFY THAT THE EXISTING WIRING PANEL LOAD CAPACITY AND BREAKER SIZE ARE SUITABLE FOR THE NEW EQUIPMENT. EXTEND AND MODIFY EXISTING WIRING AS REQUIRED AND PROVIDE ALL NECESSARY MATERIALS AND FINAL CONNECTIONS TO COMPLETE THE INSTALLATION.
 UPDATE THE CORRESPONDING PANEL SCHEDULE TO REFLECT THE NEW MECHANICAL EQUIPMENT DESIGNATION (TYPED, NOT HANDWRITTEN).
 - 2 RECONNECT NEW HEATER TO THE EXISTING CIRCUIT PREVIOUSLY SERVING THE REMOVED HEATER. ELECTRICAL CONTRACTOR SHALL VERIFY THE EXISTING WIRING PANEL LOAD CAPACITY AND BREAKER SIZE ARE SUITABLE FOR THE NEW EQUIPMENT PRIOR TO CONNECTION. EXTEND AND MODIFY EXISTING WIRING AS REQUIRED AND PROVIDE ALL NECESSARY MATERIALS AND FINAL CONNECTIONS COMPLETE.
 UPDATE CORRESPONDING PANEL SCHEDULE TO REFLECT NEW UNIT DESIGNATION.
 - 3 REPLACE THE EXISTING BREAKER PREVIOUSLY SERVING THE REMOVED MECHANICAL EQUIPMENT WITH A NEW BREAKER IN THE SAME EXISTING PANEL. PROVIDE NEW FEEDER CONDUIT/WIRING FROM THIS NEW BREAKER TO SUPPLY THE NEW MECHANICAL EQUIPMENT. INSTALL THE NEW STARTER/CONTROLLER AT, OR AS CLOSE AS POSSIBLE TO, THE LOCATION OF THE REMOVED STARTER/CONTROLLER. MAKE ALL FINAL CONNECTIONS TO THE NEW MECHANICAL EQUIPMENT AND ASSOCIATED STARTER/CONTROLLER.
 SUPPLY AND INSTALL A CONTACTOR TO INTERCEPT THE FEEDER FOR INTERFACE WITH THE BAS SYSTEM. CONTROL WIRING BETWEEN THE BAS SYSTEM AND THE CONTACTOR SHALL BE PROVIDED BY THE BAS CONTROL CONTRACTOR. COORDINATE WITH THE BAS CONTROL CONTRACTOR ON SITE. THE CONTACTOR SHALL BE SUITABLE FOR MOTOR LOAD SERVED. VERIFY THE CONTACTOR HORSEPOWER AND CURRENT RATING PRIOR TO INSTALLATION.
 UPDATE THE CORRESPONDING PANEL SCHEDULE TO REFLECT THE NEW MECHANICAL EQUIPMENT DESIGNATION (TYPED, NOT HANDWRITTEN).
 REFER TO FLOOR PLAN FOR NEW BREAKER SIZE AND NEW FEEDER CONDUIT/WIRING REQUIREMENTS.
 - 4 PROVIDE INTERLOCK CONTROL WITH THE FINE WOOD SWITCH. PROVIDE ALL REQUIRED CONTACTOR, RELAYS, AND ASSOCIATED COMPONENTS NECESSARY FOR A COMPLETE AND OPERATIONAL INSTALLATION.
 - 5 EXISTING MECHANICAL EQUIPMENT TO REMAIN. RETAG EXISTING MECHANICAL EQUIPMENT WITH NEW EQUIPMENT TAG AS INDICATED.
 UPDATE THE CORRESPONDING PANEL SCHEDULE TO REFLECT THE NEW MECHANICAL EQUIPMENT DESIGNATION (TYPED, NOT HANDWRITTEN).
 - 6 PROVIDE NEW BREAKER AND NEW FEEDER CONDUIT/WIRING AS SHOWN. INSTALL THE NEW STARTER/CONTROLLER AT, OR AS CLOSE AS POSSIBLE TO, THE LOCATION OF THE REMOVED STARTER/CONTROLLER. MAKE ALL FINAL CONNECTIONS TO THE NEW MECHANICAL EQUIPMENT AND ASSOCIATED STARTER/CONTROLLER.
 UPDATE THE CORRESPONDING PANEL SCHEDULE TO REFLECT THE NEW MECHANICAL EQUIPMENT DESIGNATION (TYPED, NOT HANDWRITTEN).

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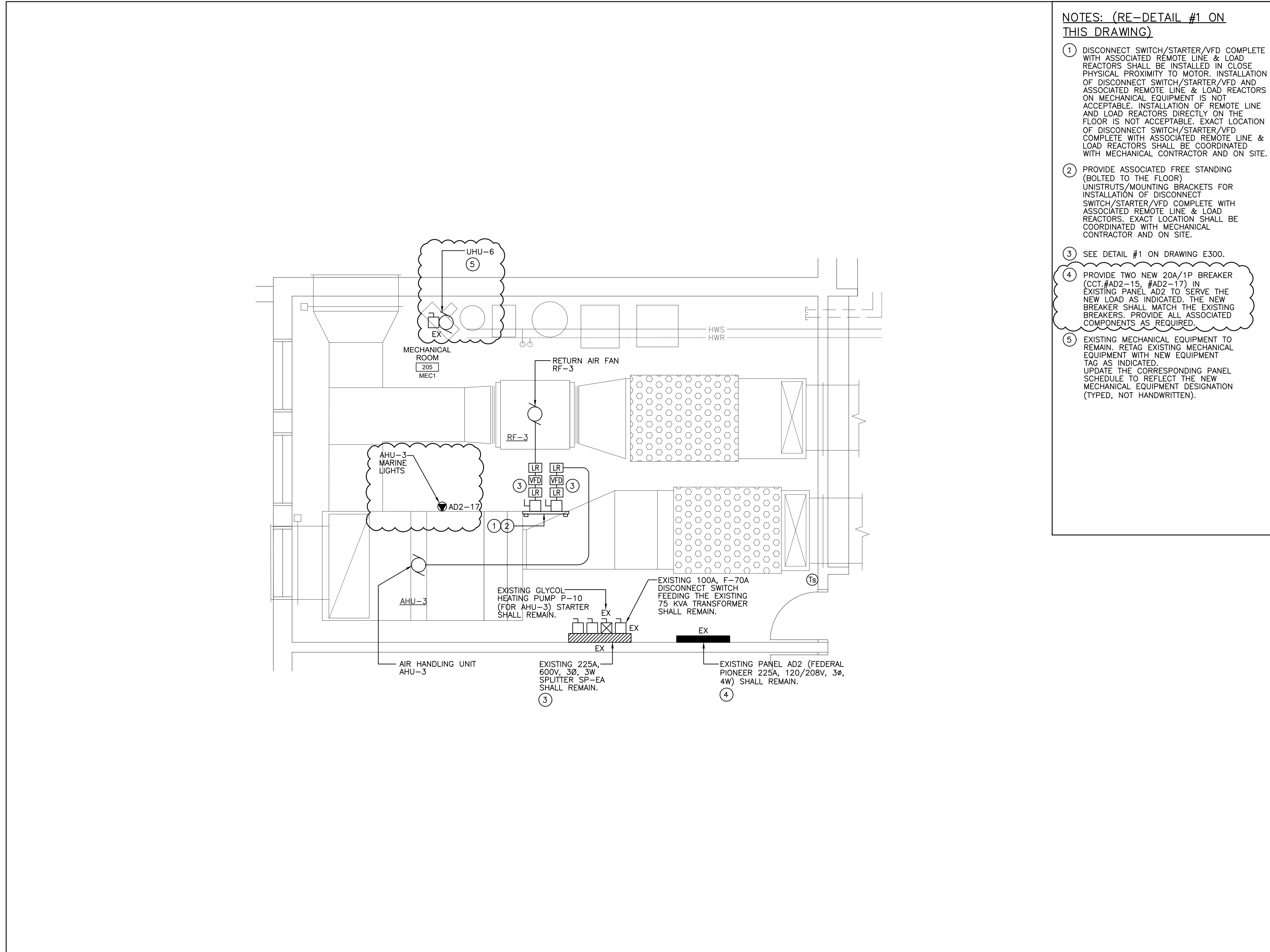
80 MANDRAKE ST.
 AJAX ON L1S 5H4

Sheet Title
SECOND FLOOR - ELECTRICAL NEW PLAN

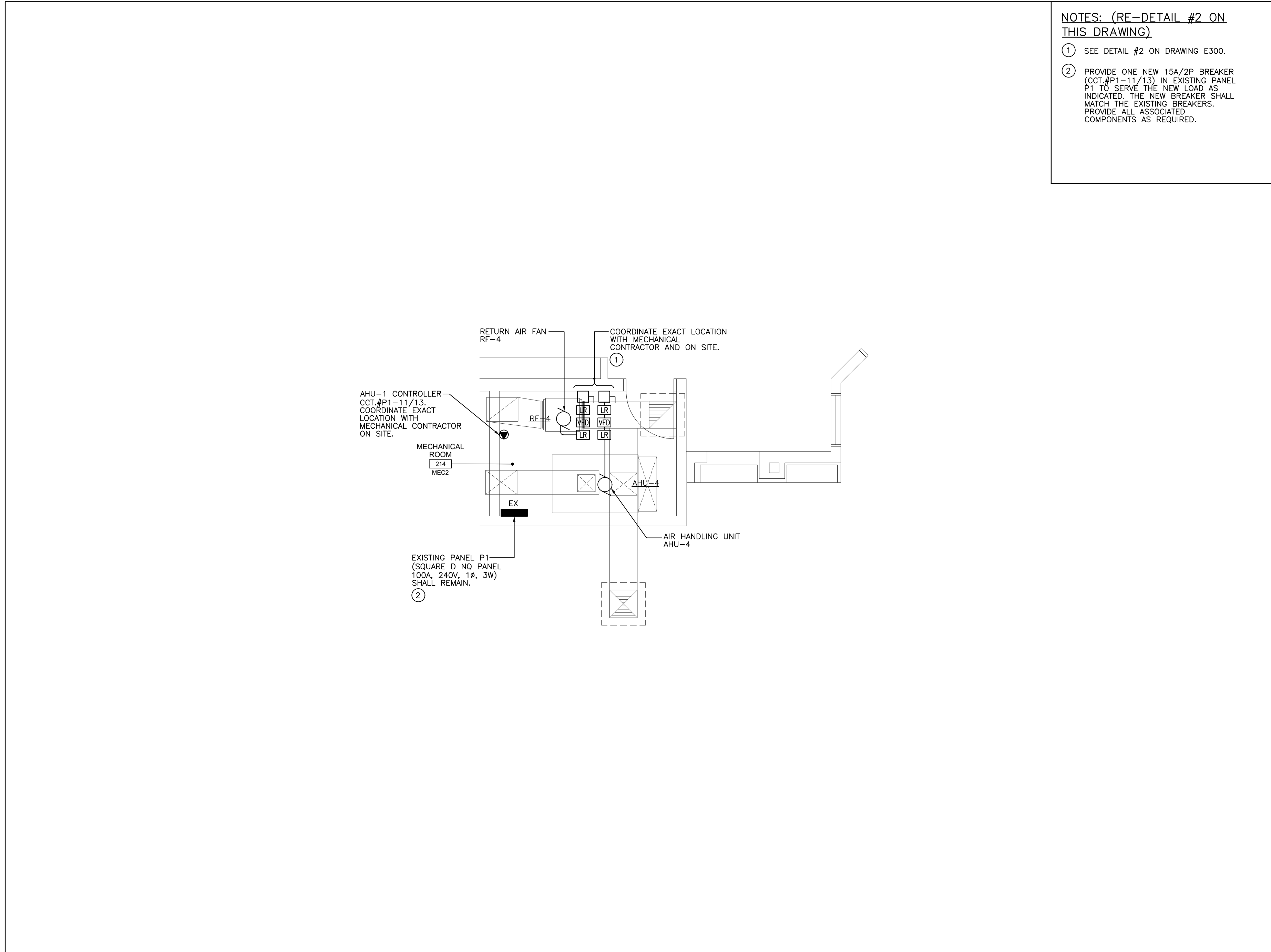
Project Number	25119
Date	APR. 2026
Drawn	F.C.
Checked	T.M.
Scale	AS INDICATED
Drawing Number	E201



1 SECOND FLOOR NEW PLAN
 E201 SCALE: 1:200



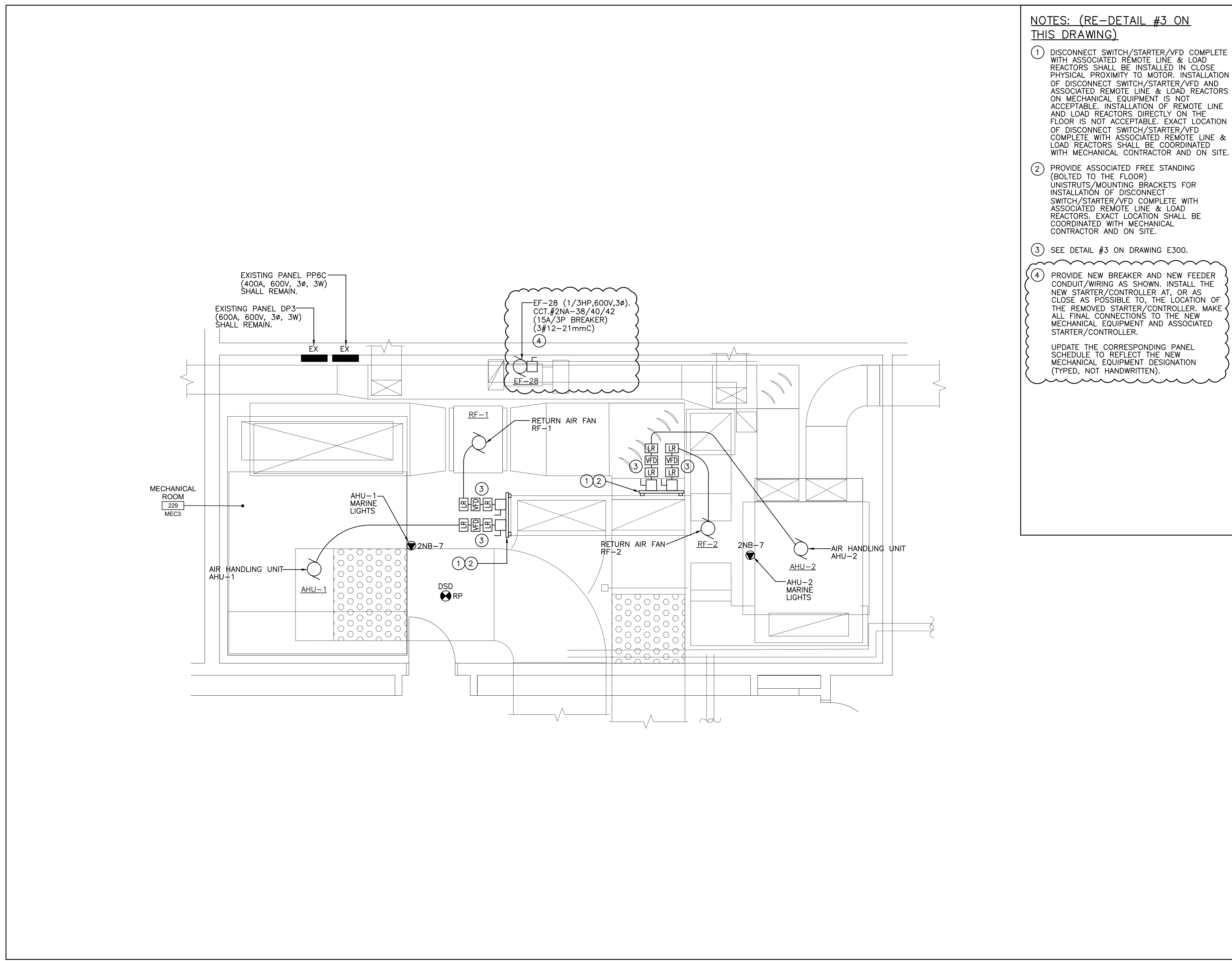
- NOTES: (RE-DETAIL #1 ON THIS DRAWING)**
- DISCONNECT SWITCH/STARTER/VFD COMPLETE WITH ASSOCIATED REMOTE LINE & LOAD REACTORS SHALL BE INSTALLED IN CLOSE PHYSICAL PROXIMITY TO MOTOR INSTALLATION ON MECHANICAL EQUIPMENT IS NOT ACCEPTABLE. INSTALLATION OF REMOTE LINE AND LOAD REACTORS DIRECTLY ON THE FLOOR IS NOT ACCEPTABLE. EXACT LOCATION OF DISCONNECT SWITCH/STARTER/VFD COMPLETE WITH ASSOCIATED REMOTE LINE & LOAD REACTORS SHALL BE COORDINATED WITH MECHANICAL CONTRACTOR AND ON SITE.
 - PROVIDE ASSOCIATED FREE STANDING UNISTRUTS/MOUNTING BRACKETS FOR INSTALLATION OF DISCONNECT SWITCH/STARTER/VFD COMPLETE WITH ASSOCIATED REMOTE LINE & LOAD REACTORS. EXACT LOCATION SHALL BE COORDINATED WITH MECHANICAL CONTRACTOR AND ON SITE.
 - SEE DETAIL #1 ON DRAWING E200.
 - PROVIDE TWO NEW 20A/1P BREAKER (CCT #P1-11/13) IN EXISTING PANEL ADD TO SERVE THE NEW LOAD AS INDICATED. THE NEW BREAKER SHALL MATCH THE EXISTING BREAKERS. PROVIDE ALL ASSOCIATED COMPONENTS AS REQUIRED.
 - LOCATING MECHANICAL EQUIPMENT TO REMAIN. RETAG EXISTING MECHANICAL EQUIPMENT WITH NEW EQUIPMENT TAG AS INDICATED. UPDATE THE CORRESPONDING PANEL SCHEDULE TO REFLECT THE NEW MECHANICAL EQUIPMENT DESIGNATION (TYPED, NOT HANDWRITTEN).



- NOTES: (RE-DETAIL #2 ON THIS DRAWING)**
- SEE DETAIL #2 ON DRAWING E300.
 - PROVIDE ONE NEW 15A/2P BREAKER (CCT #P1-11/13) IN EXISTING PANEL P1 TO SERVE THE NEW LOAD AS INDICATED. THE NEW BREAKER SHALL MATCH THE EXISTING BREAKERS. PROVIDE ALL ASSOCIATED COMPONENTS AS REQUIRED.

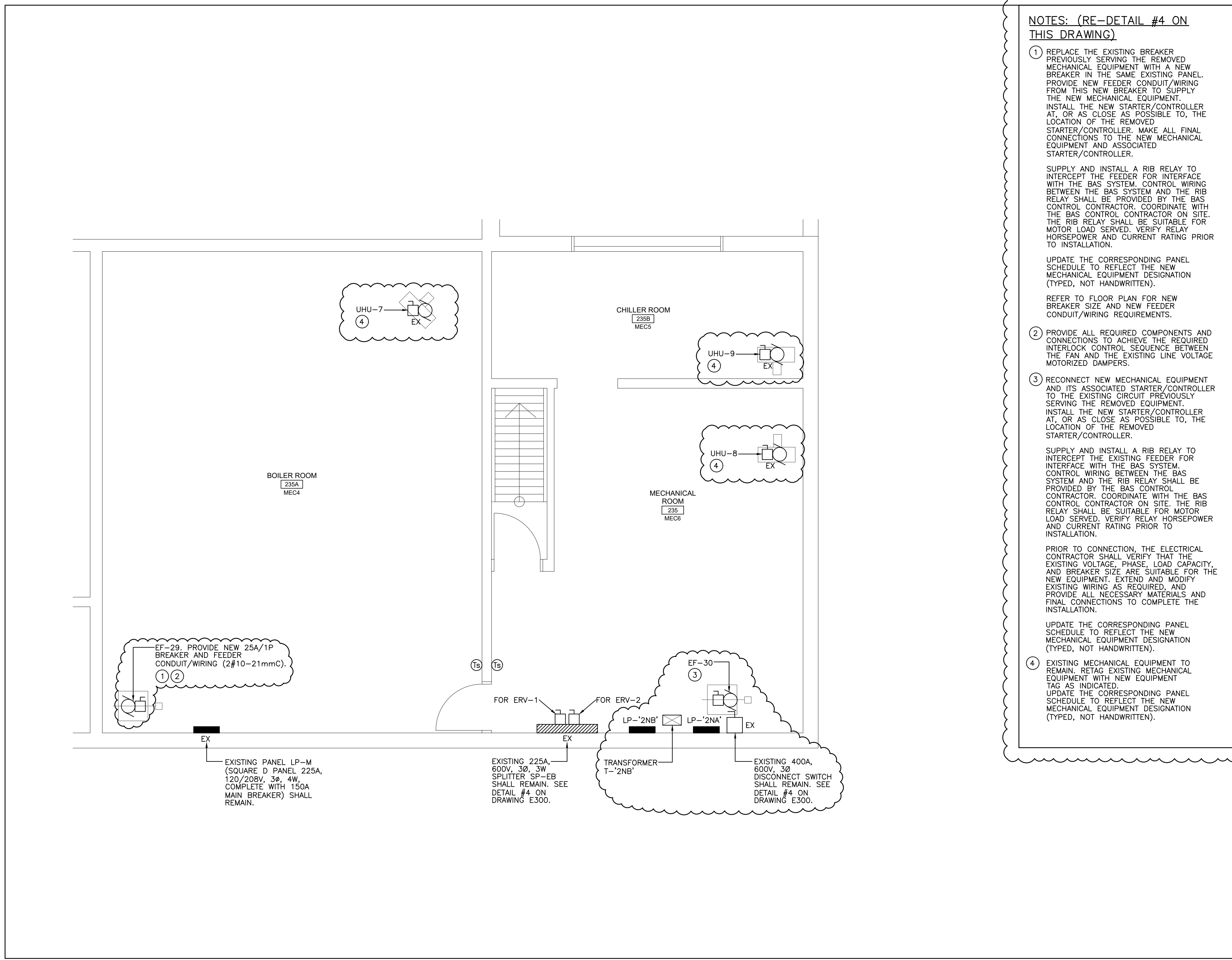
1 MECHANICAL ROOM #205 (MEC1)
 E202 SCALE: 1:50

2 MECHANICAL ROOM #214 (MEC2)
 E202 SCALE: 1:50



- NOTES: (RE-DETAIL #3 ON THIS DRAWING)**
- DISCONNECT SWITCH/STARTER/VFD COMPLETE WITH ASSOCIATED REMOTE LINE & LOAD REACTORS SHALL BE INSTALLED IN CLOSE PHYSICAL PROXIMITY TO MOTOR INSTALLATION ON MECHANICAL EQUIPMENT IS NOT ACCEPTABLE. INSTALLATION OF REMOTE LINE AND LOAD REACTORS DIRECTLY ON THE FLOOR IS NOT ACCEPTABLE. EXACT LOCATION OF DISCONNECT SWITCH/STARTER/VFD COMPLETE WITH ASSOCIATED REMOTE LINE & LOAD REACTORS SHALL BE COORDINATED WITH MECHANICAL CONTRACTOR AND ON SITE.
 - PROVIDE ASSOCIATED FREE STANDING UNISTRUTS/MOUNTING BRACKETS FOR INSTALLATION OF DISCONNECT SWITCH/STARTER/VFD COMPLETE WITH ASSOCIATED REMOTE LINE & LOAD REACTORS. EXACT LOCATION SHALL BE COORDINATED WITH MECHANICAL CONTRACTOR AND ON SITE.
 - SEE DETAIL #3 ON DRAWING E300.
 - PROVIDE NEW BREAKER AND NEW FEEDER CONDUIT/WIRING AS SHOWN. INSTALL THE NEW STARTER/CONTROLLER AT OR AS CLOSE AS POSSIBLE TO THE LOCATION OF THE REMOVED STARTER/CONTROLLER. MAKE ALL FINAL CONNECTIONS TO THE NEW MECHANICAL EQUIPMENT AND ASSOCIATED STARTER/CONTROLLER. UPDATE THE CORRESPONDING PANEL SCHEDULE TO REFLECT THE NEW MECHANICAL EQUIPMENT DESIGNATION (TYPED, NOT HANDWRITTEN).

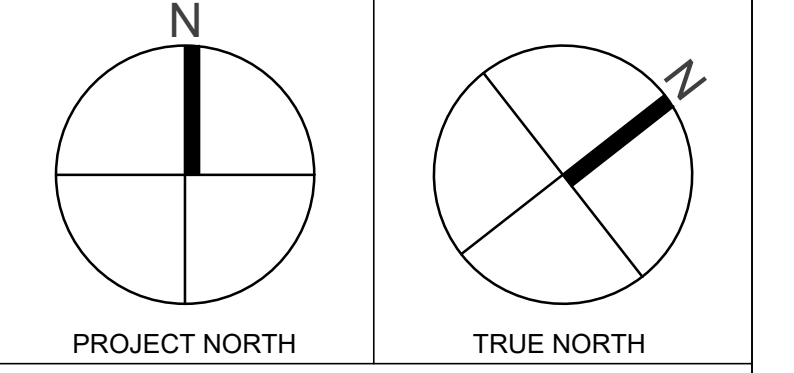
3 MECHANICAL ROOM #229 (MEC3)
 E202 SCALE: 1:50



- NOTES: (RE-DETAIL #4 ON THIS DRAWING)**
- REPLACE THE EXISTING BREAKER PREVIOUSLY SERVING THE REMOVED MECHANICAL EQUIPMENT WITH A NEW BREAKER IN THE SAME EXISTING PANEL. PROVIDE NEW FEEDER CONDUIT/WIRING FROM THE NEW BREAKER TO SUPPLY THE NEW MECHANICAL EQUIPMENT. INSTALL THE NEW STARTER/CONTROLLER AT OR AS CLOSE AS POSSIBLE TO THE LOCATION OF THE REMOVED STARTER/CONTROLLER. MAKE ALL FINAL CONNECTIONS TO THE NEW MECHANICAL EQUIPMENT AND ASSOCIATED STARTER/CONTROLLER. SUPPLY AND INSTALL A RIB RELAY TO INTERCEPT THE FEEDER FOR INTERFACE WITH THE BAS SYSTEM. CONTROL WIRING BETWEEN THE BAS SYSTEM AND THE RIB RELAY SHALL BE PROVIDED BY THE BAS CONTROL CONTRACTOR. COORDINATE WITH THE BAS CONTROL CONTRACTOR ON SITE. THE RIB RELAY SHALL BE SUITABLE FOR MOTOR LOAD SERVED. VERIFY RELAY HORSEPOWER AND CURRENT RATING PRIOR TO INSTALLATION. UPDATE THE CORRESPONDING PANEL SCHEDULE TO REFLECT THE NEW MECHANICAL EQUIPMENT DESIGNATION (TYPED, NOT HANDWRITTEN). REFER TO FLOOR PLAN FOR NEW BREAKER SIZE AND NEW FEEDER CONDUIT/WIRING REQUIREMENTS.
 - PROVIDE ALL REQUIRED COMPONENTS AND CONNECTIONS TO ACHIEVE THE REQUIRED INTERLOCK CONTROL SEQUENCE BETWEEN THE FAN AND THE EXISTING LINE VOLTAGE MOTORISED DAMPERS.
 - RECONNECT NEW MECHANICAL EQUIPMENT AND ITS ASSOCIATED STARTER/CONTROLLER TO THE EXISTING CIRCUIT PREVIOUSLY SERVING THE REMOVED EQUIPMENT. INSTALL THE NEW STARTER/CONTROLLER AT OR AS CLOSE AS POSSIBLE TO THE LOCATION OF THE REMOVED STARTER/CONTROLLER. SUPPLY AND INSTALL A RIB RELAY TO INTERCEPT THE EXISTING FEEDER FOR CONTROL WIRING BETWEEN THE BAS SYSTEM AND THE RIB RELAY SHALL BE PROVIDED BY THE BAS CONTROL CONTRACTOR. COORDINATE WITH THE BAS CONTROL CONTRACTOR ON SITE. THE RIB RELAY SHALL BE SUITABLE FOR MOTOR LOAD SERVED. VERIFY RELAY HORSEPOWER AND CURRENT RATING PRIOR TO INSTALLATION. PRIOR TO CONNECTION THE ELECTRICAL CONTRACTOR SHALL VERIFY THAT THE EXISTING VOLTAGE, PHASE, LOAD CAPACITY, AND BREAKER SIZE ARE SUITABLE FOR THE NEW EQUIPMENT. EXTEND AND MODIFY EXISTING WIRING AS NECESSARY AND PROVIDE ALL NECESSARY MATERIALS AND FINAL CONNECTIONS TO COMPLETE THE INSTALLATION. UPDATE THE CORRESPONDING PANEL SCHEDULE TO REFLECT THE NEW MECHANICAL EQUIPMENT DESIGNATION (TYPED, NOT HANDWRITTEN).
 - EXISTING MECHANICAL EQUIPMENT TO REMAIN. RETAG EXISTING MECHANICAL EQUIPMENT WITH NEW EQUIPMENT TAG AS INDICATED. UPDATE THE CORRESPONDING PANEL SCHEDULE TO REFLECT THE NEW MECHANICAL EQUIPMENT DESIGNATION (TYPED, NOT HANDWRITTEN).

4 MECHANICAL ROOM #235 (MEC6), BOILER ROOM #235A (MEC4) AND CHILLER ROOM #235B (MEC5)
 E202 SCALE: 1:50

REVISIONS/SUBMISSIONS		
No.	DATE	DESCRIPTION
1	2026-04-16	ISSUED FOR TENDER
2	2026-04-21	ISSUED FOR PERMIT
3	2026-05-11	ISSUED FOR ADDENDUM NO. E1



Project Title
ARCHBISHOP DENIS O'CONNOR MECHANICAL UPGRADES

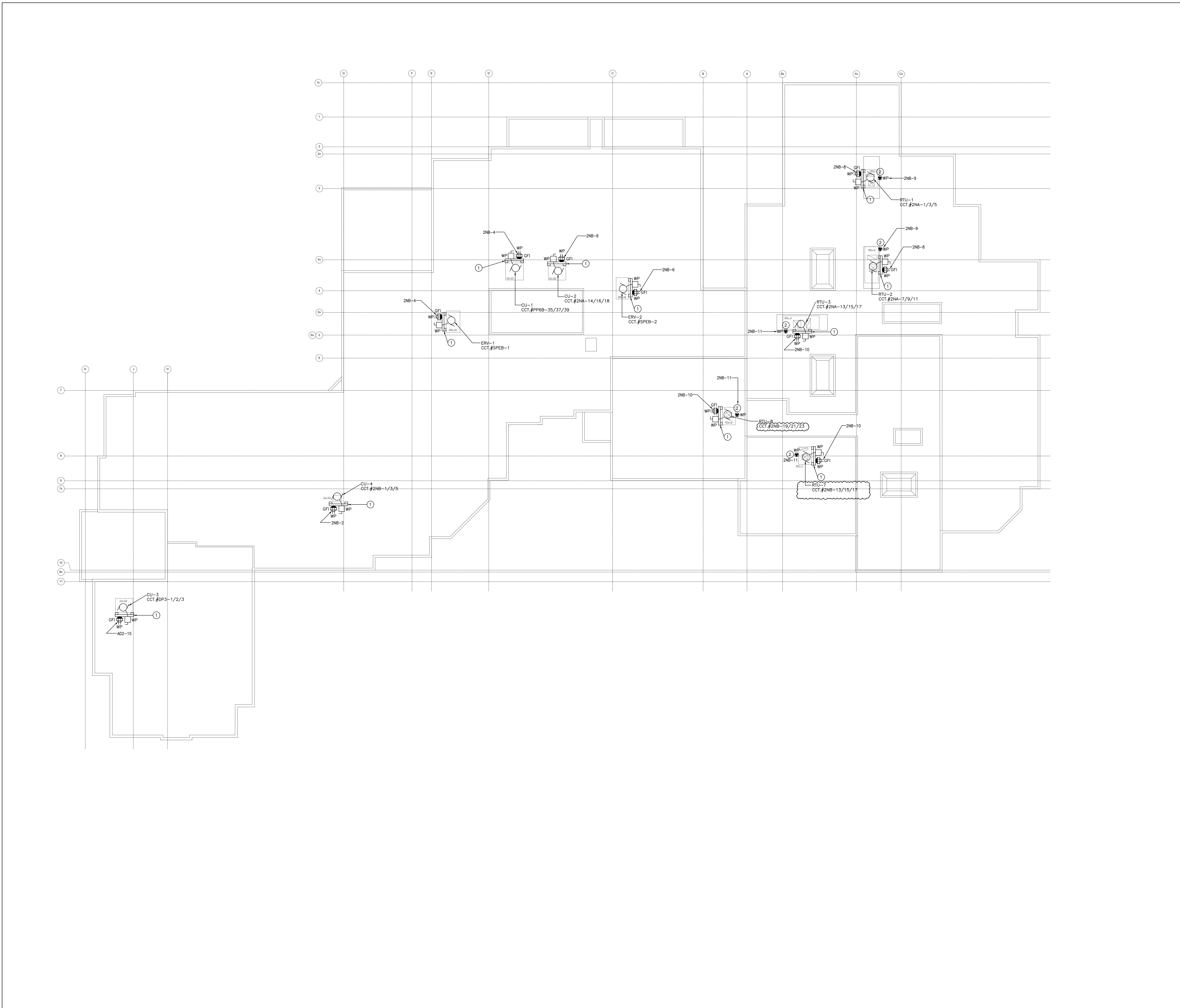
80 MANDRAKE ST.
 AJAX ON L1S 5H4

Sheet Title
SECOND FLOOR MECHANICAL ROOMS - ELECTRICAL NEW PLANS

Project Number	25119
Date	APR. 2026
Drawn	F.C.
Checked	T.M.
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Drawing Number	E202

NOTES:

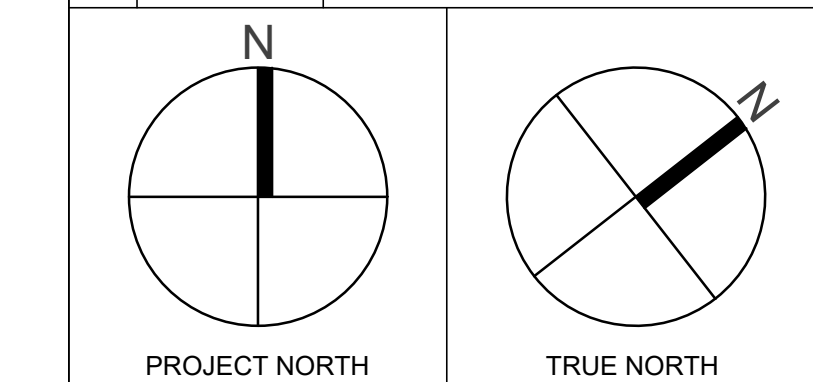
- 1 PROVIDE FREE STANDING UNISTRUTS/MOUNTING BRACKETS (BOLTED TO THE FLOOR) FOR INSTALLATION OF WEATHERPROOF DISCONNECT SWITCH/WEATHERPROOF GFI SERVICE DUPLEX RECEPTACLE. EXACT LOCATION SHALL BE COORDINATED WITH MECHANICAL CONTRACTOR AND ON SITE.
- 2 ROOF TOP UNIT MARINE LIGHTS. EXACT LOCATION SHALL BE COORDINATED WITH MECHANICAL CONTRACTOR AND ON SITE.



1 ROOF NEW PLAN
 E203 SCALE: 1:200

REVISIONS/SUBMISSIONS

No.	DATE	DESCRIPTION
1	2026-04-16	ISSUED FOR TENDER
2	2026-04-21	ISSUED FOR PERMIT
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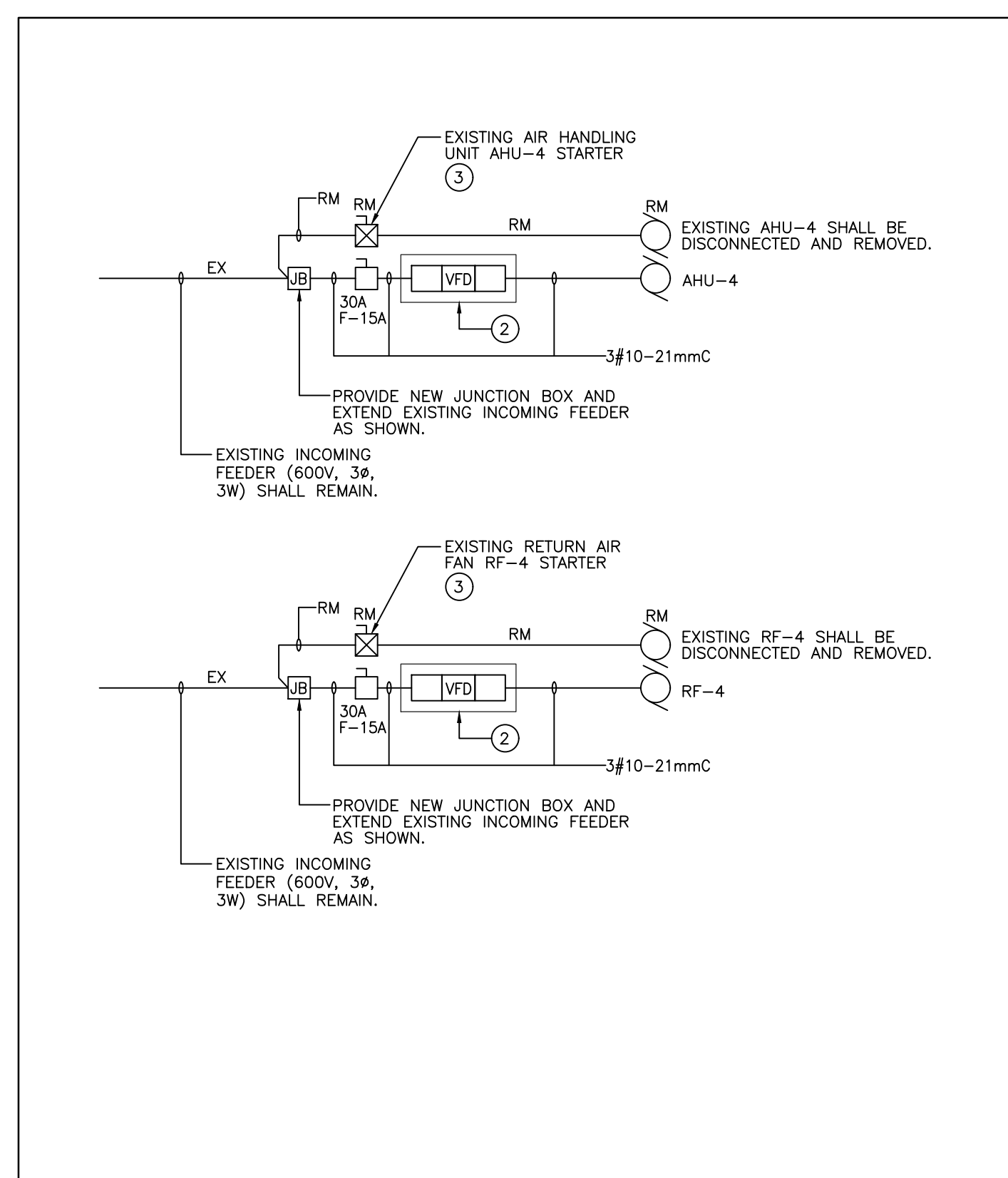
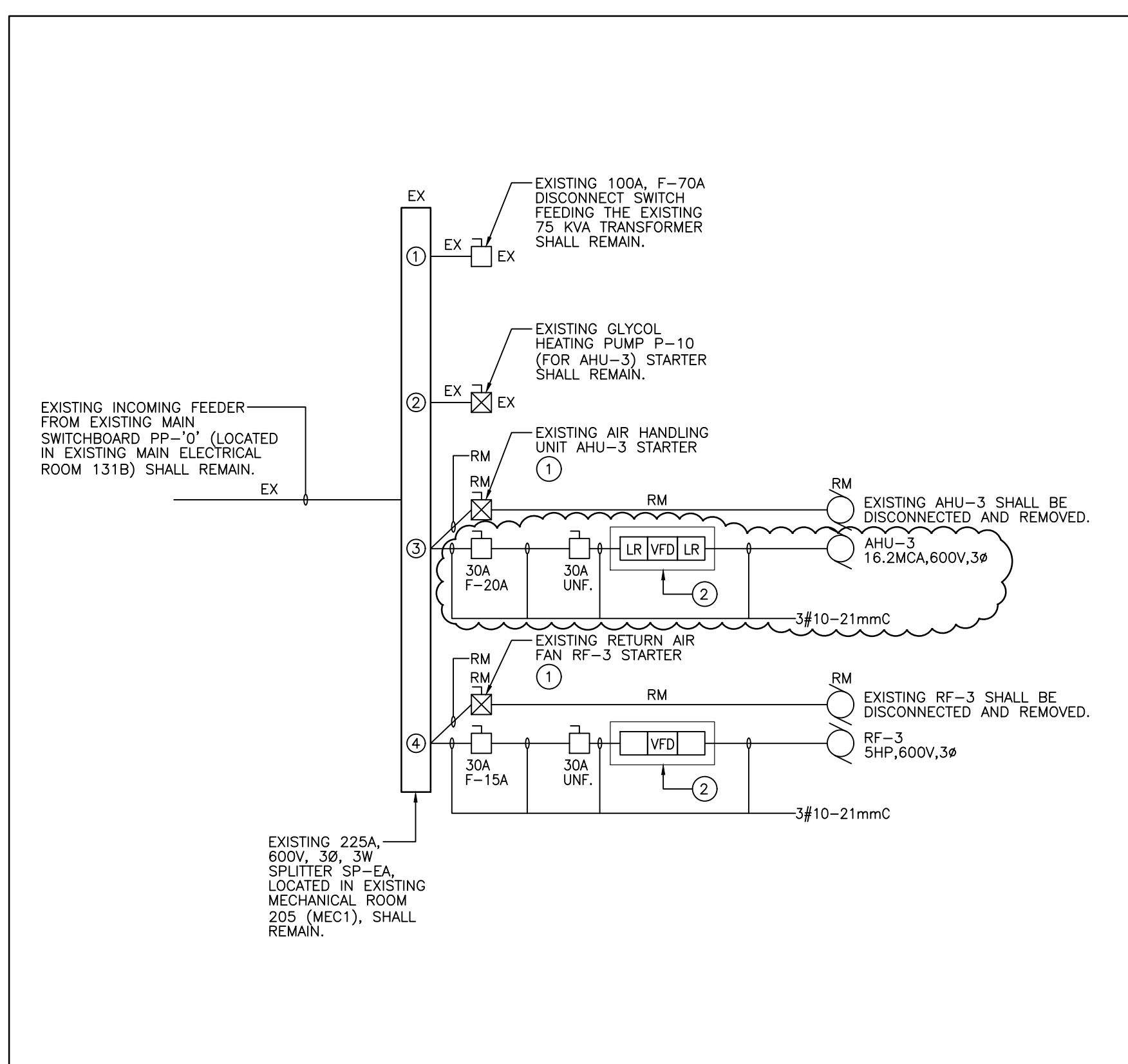


Project Title
ARCHBISHOP DENIS O'CONNOR MECHANICAL UPGRADES

80 MANDRAKE ST.
 AJAX ON L1S 5H4

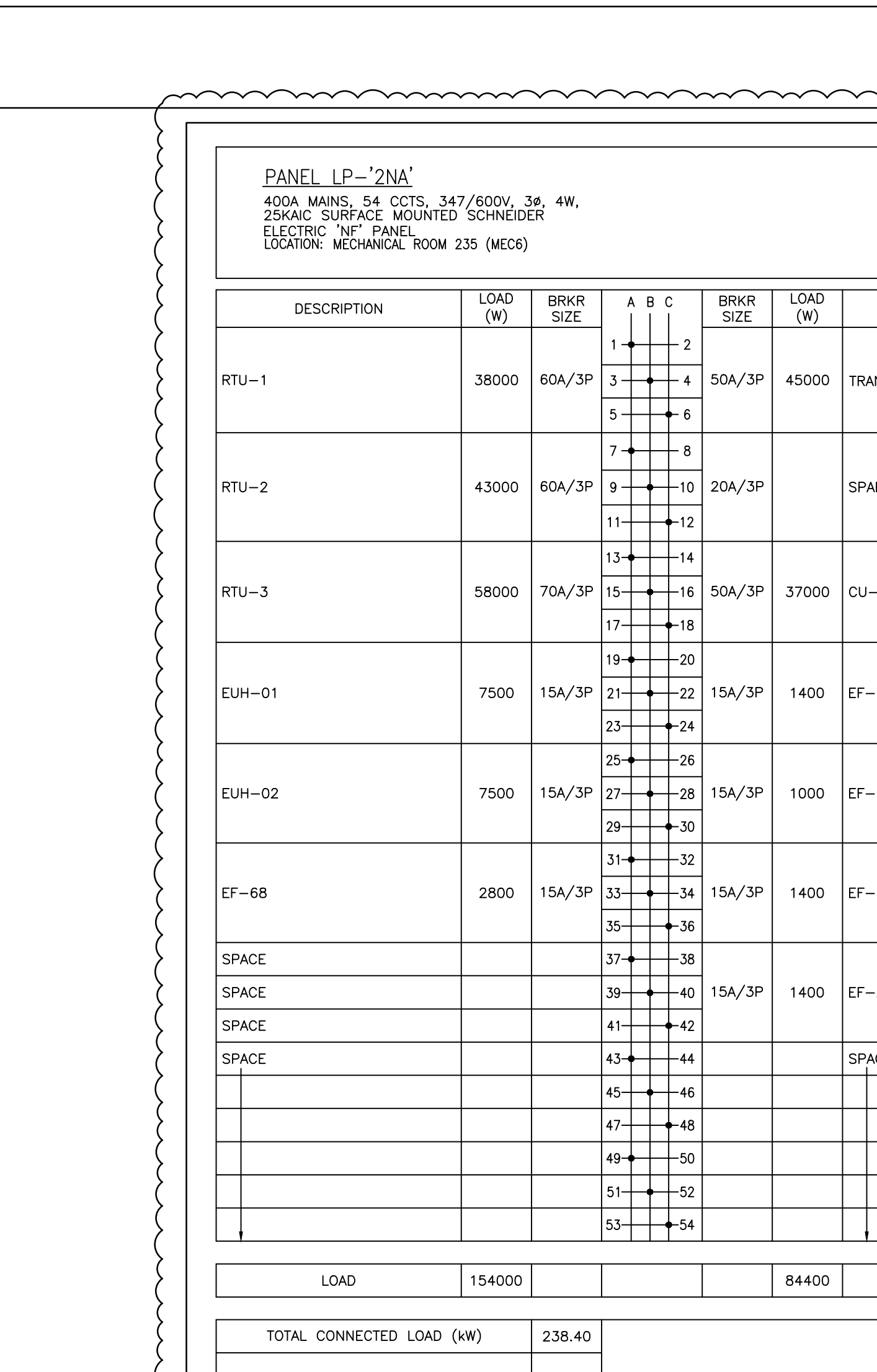
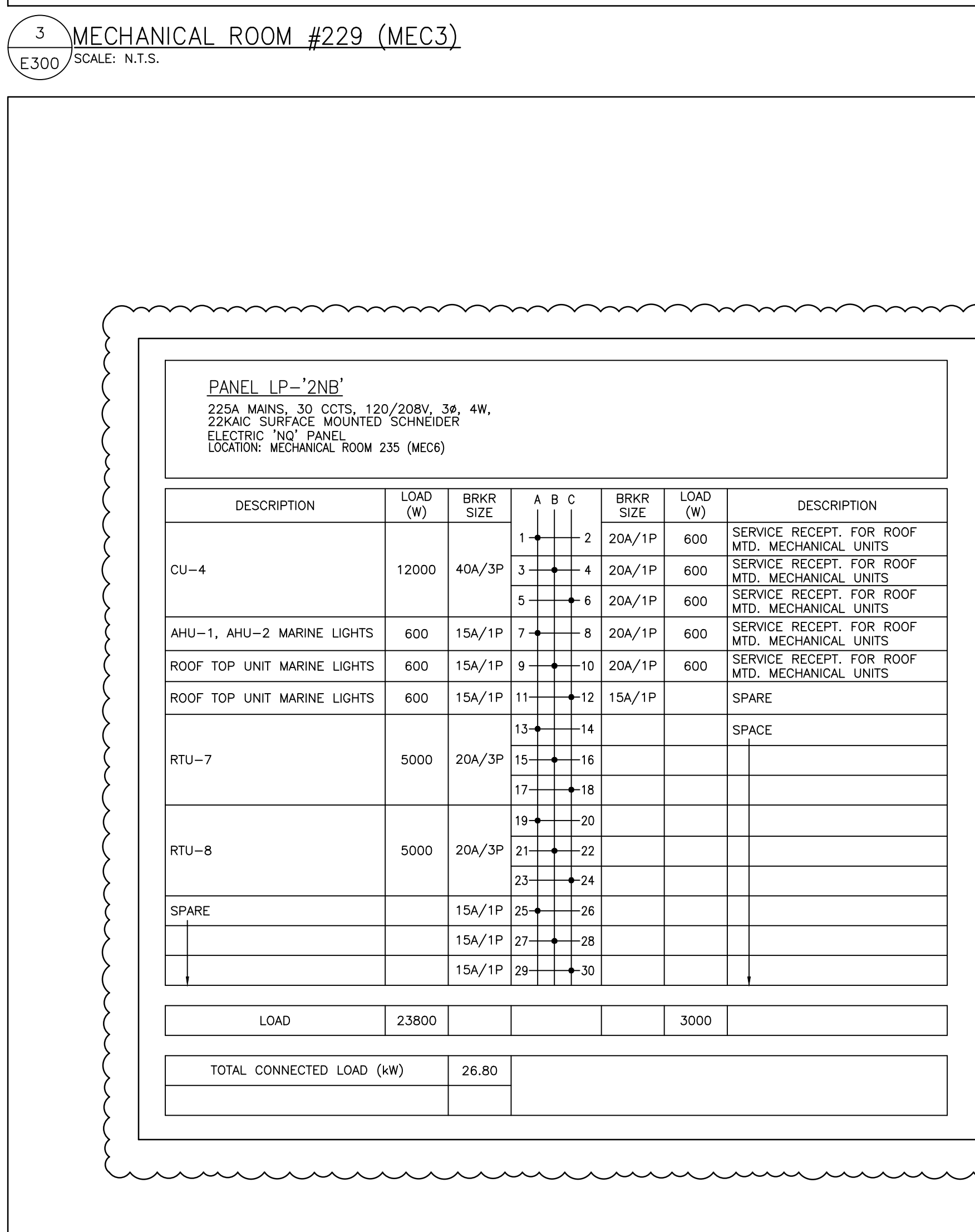
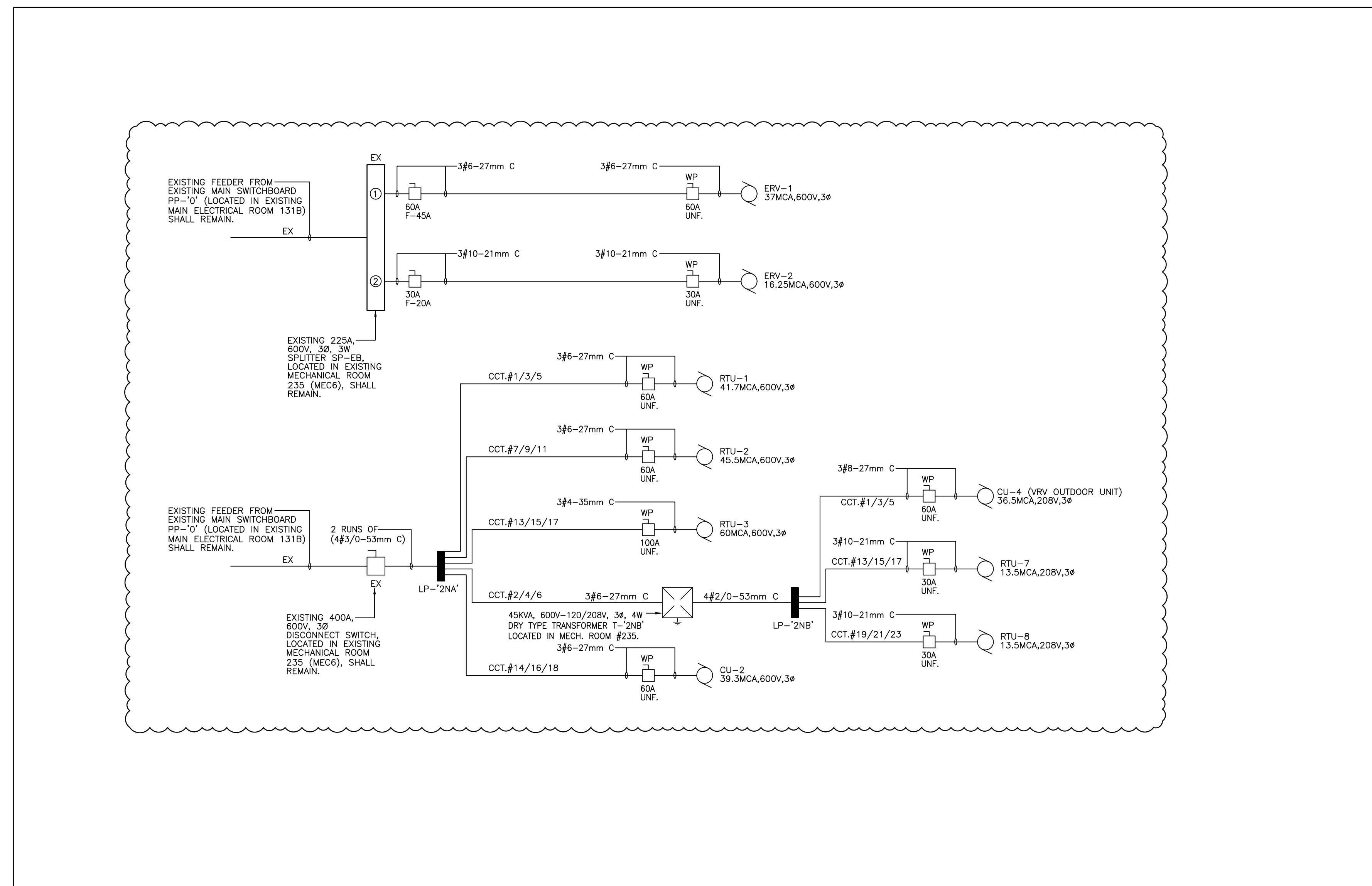
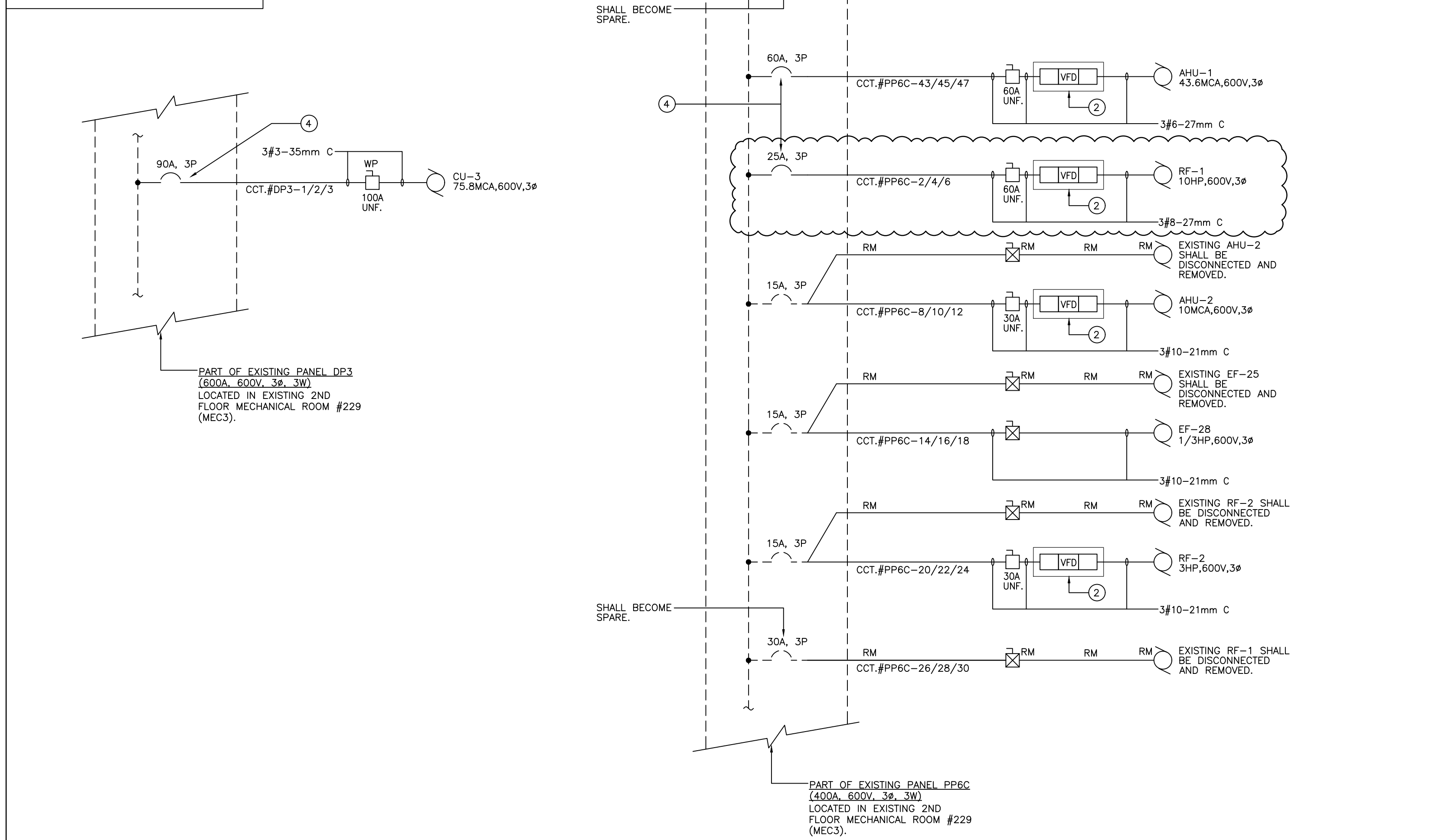
Sheet Title
ROOF - ELECTRICAL NEW PLAN

Project Number	25119
Date	APR. 2026
Drawn	F.C.
Checked	T.M.
Scale	AS INDICATED
Drawing Number	E203

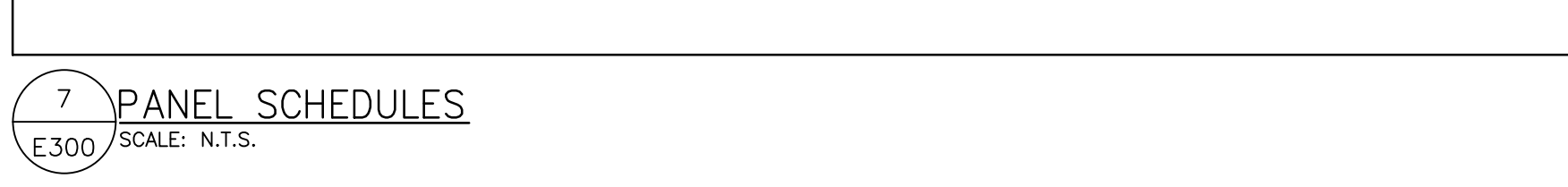
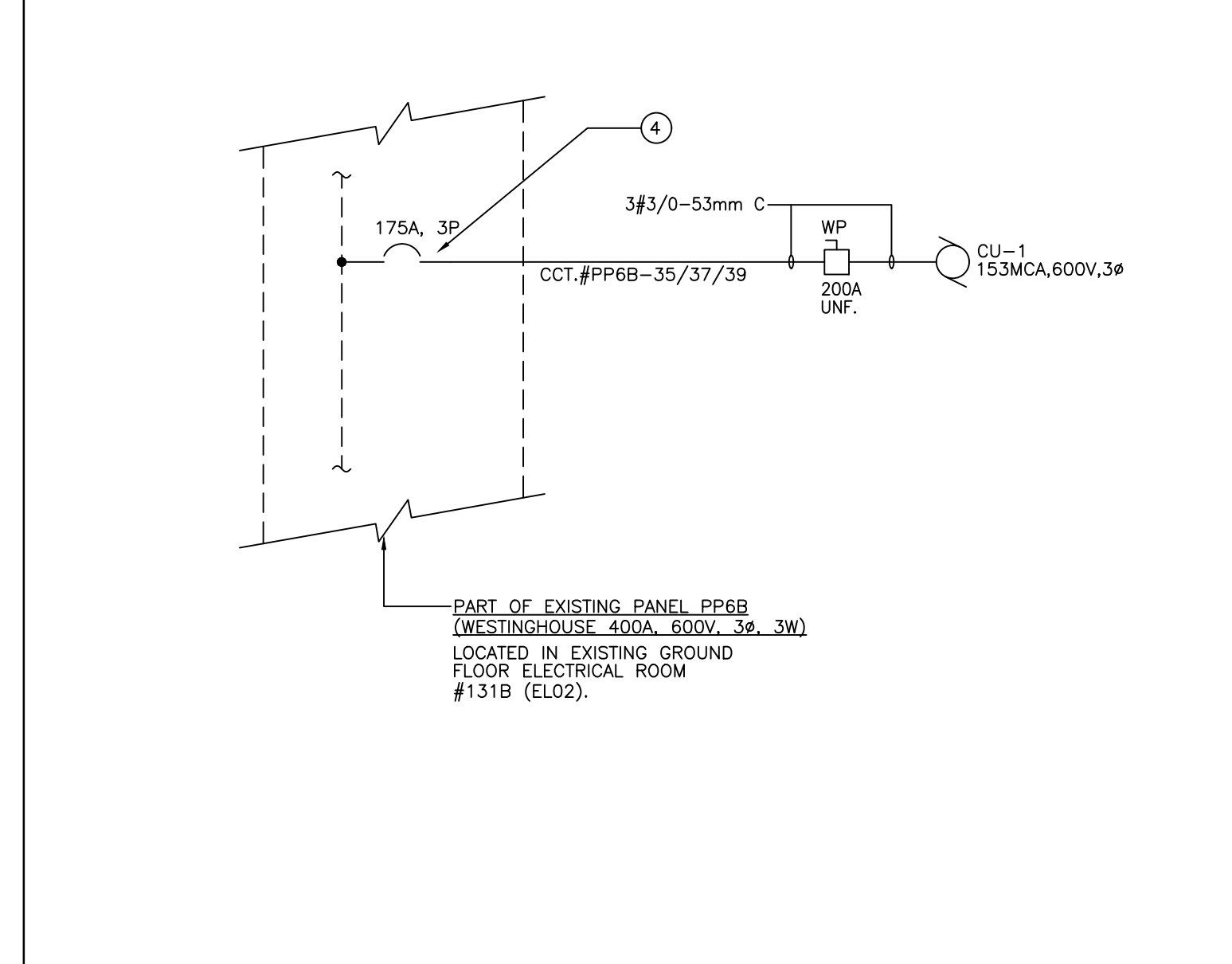


NOTES:
1 DISCONNECT AND REMOVE THE EXISTING EQUIPMENT, INCLUDING ALL ASSOCIATED ELECTRICAL COMPONENTS (DISCONNECT SWITCH, STARTER/CONTROLLER, CONDUITS, WIRING, ETC.), BACK TO THE SOURCE.
2 VARIABLE FREQUENCY DRIVE (VFD) COMPLETE WITH ASSOCIATED REMOTE LINE REACTOR/LOAD REACTOR SUPPLIED BY MECHANICAL CONTRACTOR AND WIRED & INSTALLED BY ELECTRICAL CONTRACTOR. COORDINATE THE WIRING AND INSTALLATION OF VFD AND ASSOCIATED LINE REACTOR/LOAD REACTOR WITH MECHANICAL CONTRACTOR AND ON SITE.
3 DISCONNECT AND REMOVE THE EXISTING EQUIPMENT, INCLUDING ALL ASSOCIATED ELECTRICAL COMPONENTS (DISCONNECT SWITCH, STARTER/CONTROLLER, CONDUITS, WIRING, ETC.), WHILE MAINTAINING EXISTING INCOMING FEEDER FOR REUSE.
4 PROVIDE NEW BREAKER TO FEED NEW LOAD AS SHOWN. TYPE OF THE NEW BREAKER SHALL MATCH EXISTING.

LEGEND:
--- NEW EQUIPMENT
--- EXISTING EQUIPMENT TO REMAIN
--- EXISTING EQUIPMENT TO BE DISCONNECTED AND REMOVED
--- BREAKER

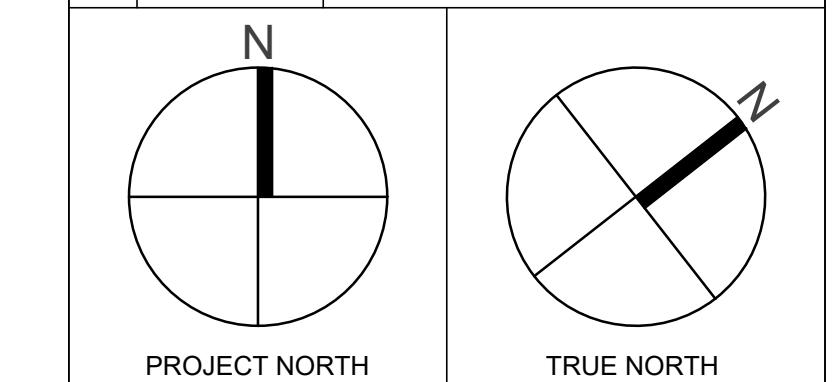


LEGEND:
--- NEW EQUIPMENT
--- EXISTING EQUIPMENT TO REMAIN
--- BREAKER



REVISIONS/SUBMISSIONS

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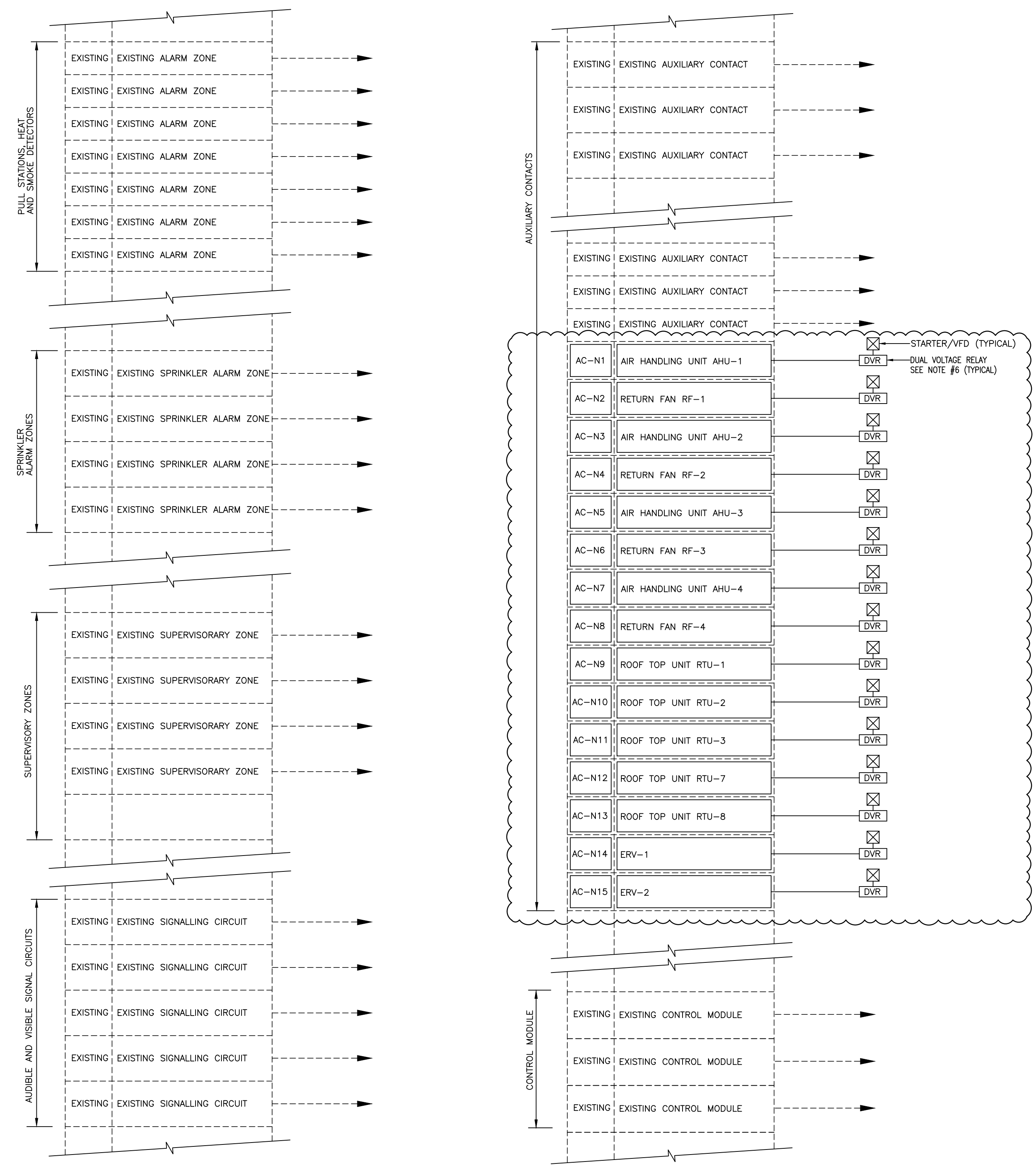
Project Title: **ARCHBISHOP DENIS O'CONNOR MECHANICAL UPGRADES**

80 MANDRAKE ST. AJAX ON L1S 5H4

Sheet Title: **POWER RISER DIAGRAM AND PANEL SCHEDULES**

Project Number: 25119
Date: APR. 2026
Drawn: F.C.
Checked: T.M.
Scale: N.T.S.
Drawing Number:

LEGEND:
 - - - - - EXISTING EQUIPMENT
 ——— NEW EQUIPMENT



- NOTES:**
- IN ADDITION TO THE RELOCATION OF EXISTING FIRE ALARM DUCT SMOKE DETECTORS TO ACCOMMODATE MODIFICATIONS TO AIR HANDLING UNIT DUCTWORK AS SHOWN ON THE FLOOR PLANS, INCLUDE IN THE TENDER PRICE THE RELOCATION OF SIX (6) ADDITIONAL EXISTING FIRE ALARM DUCT SMOKE DETECTORS TO SUIT MECHANICAL UNIT DUCTWORK MODIFICATIONS.
 EACH RELOCATION SHALL INCLUDE UP TO 20,000 MM OF CONDUIT AND WIRING, RECONNECTION TO THE EXISTING FIRE ALARM SYSTEM, AND COMPLETE FIRE ALARM VERIFICATION UPON COMPLETION.
 - INCLUDE IN TENDER PRICE FOR THE SUPPLY, INSTALLATION, AND FIRE ALARM VERIFICATION OF SIX (6) ADDITIONAL FIRE ALARM DUCT SMOKE DETECTORS INSTALLED IN SUPPLY DUCTS. EACH DETECTOR SHALL BE COMPLETE WITH FUSED UNIT, UP TO 20,000 MM OF CONDUIT AND WIRING, AND CONNECTION TO THE NEAREST EXISTING SUPPLY DUCT SMOKE DETECTOR CIRCUIT.
 - IN ADDITION TO THE MECHANICAL UNIT FIRE ALARM SHUTDOWNS SHOWN ON THE FIRE ALARM SYSTEM RISER DIAGRAM, INCLUDE IN THE TENDER PRICE THE RELOCATION OF SIX (6) ADDITIONAL EXISTING FIRE ALARM SHUTDOWN INTERLOCK CONNECTIONS FROM EXISTING STARTERS/AFDS TO NEW STARTERS/AFDS.
 EACH RELOCATION SHALL INCLUDE UP TO 20,000 MM OF CONDUIT AND WIRING, RECONNECTION TO THE EXISTING FIRE ALARM SYSTEM, AND COMPLETE FIRE ALARM VERIFICATION UPON COMPLETION.
 - SHOULD ANY OF THESE ELECTRICAL EQUIPMENT OR DEVICES BE IDENTIFIED IN THE TENDER PRICE AS NOT TO BE REQUIRED, THE ELECTRICAL CONTRACTOR SHALL REMOVE THE SAME FROM THE BILL OF MATERIALS, INCLUDING ALL ASSOCIATED LABOUR BACK TO THE OWNER.
 - IN ACTIVATION OF ANY FIRE ALARM ZONE, AUXILIARY CONTACTS AC-N1 TO AC-N15 SHALL BE ENERGIZED AND SHALL SHUT DOWN CORRESPONDING ROOF TOP UNITS, AIR HANDLING UNITS AND ERVS.
 - DVR RELAYS FOR AC-N1 TO AC-N15 SHALL BE COMPLETE WITH THE TIME DELAY PROVISIONS (AIR HANDLING UNITS, ROOF TOP UNITS CAN NOT START SIMULTANEOUSLY). COORDINATE WITH MECHANICAL DIVISION.
 - MODIFY THE EXISTING FIRE ALARM CONTROL PANEL, ANNUNCIATOR, AND NOTICE BELLWORK AS REQUIRED TO ACCOMMODATE TEST AND RELOCATED DEVICES, REVISED FIRE ALARM SHUTDOWN INTERLOCKS, AND THE REWIRING OF MECHANICAL EQUIPMENT, INCLUDING AIR HANDLING UNITS, ROOF TOP UNITS, AND FAN.
 INCLUDE ALL NECESSARY PROGRAMMING, POINT MAPPING, GRAPHIC UPDATES, AND ASSOCIATED HARDWARE. PROVIDE ALL ANCILLARY COMPONENTS AND ADJUSTMENTS REQUIRED TO ENSURE A COMPLETE AND FULLY OPERATIONAL SYSTEM. COORDINATE ALL WORK WITH THE PROJECT PHASING SCHEDULE.
 - ALL WIRING TO BE RUN IN CONDUITS AND IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION.
 - FOR MORE INFORMATION REFER TO ELECTRICAL SPECIFICATION.
 - INCLUDE IN THE TENDER PRICE FOR THE SUPPLY, INSTALLATION AND FIRE ALARM VERIFICATION OF ADDITIONAL 6 FIRE ALARM DUCT SMOKE DETECTORS FOR 6 ADDITIONAL SMOKE DAMPERS / COMBINATION FIRE-SMOKE DAMPERS. EACH COMPLETE WITH FUSED UNIT AND 20,000MM OF CONDUIT, WIRING AND CONNECTION TO THE NEAREST FIRE ALARM DETECTOR.
 ALSO INCLUDE IN THE TENDER PRICE FOR THE SUPPLY AND INSTALLATION OF ADDITIONAL THREE (3) 120V CIRCUITS FOR CONNECTION TO SMOKE DAMPER / COMBINATION FIRE-SMOKE DAMPER ACTUATORS. EACH CIRCUIT COMPLETE WITH 30,000MM OF CONDUIT, WIRING AND CONNECTION TO THREE (3) 15A/1P BREAKERS IN THE NEAREST 120/200V, 50, 4W PANEL. PROVIDE ALL REQUIRED RELAYS AND COMPONENTS FOR EACH OF THE ADDITIONAL DUCT SMOKE DETECTORS AND SMOKE DAMPERS / COMBINATION FIRE-SMOKE DAMPERS TO ACHIEVE THE SMOKE DAMPER / COMBINATION FIRE-SMOKE DAMPER OPERATION SEQUENCE.
 IN ACTIVATION OF ANY FIRE ALARM ZONE, AUXILIARY CONTACT SHALL INTERRUPT THE 120V POWER SUPPLIES TO ALL SMOKE DAMPER OR COMBINATION FIRE-SMOKE DAMPER ACTUATORS, CAUSING THE DAMPERS TO CLOSE.
 CONDUCT COMMISSIONING, TESTING, OPERATION AND VERIFICATION OF ALL FIRE/SMOKE DAMPERS AND ASSOCIATED DUCT SMOKE DETECTORS AS PART OF INTEGRATED LIFE SAFETY SYSTEM TESTING.

- FIRE ALARM SYSTEM OPERATION SEQUENCE:**
- ALARM CONDITION: ACTIVATION OF ANY ALARM INITIATING DEVICE SHALL CAUSE THE FOLLOWING TO OCCUR:
 - ALL AUDIBLE AND VISUAL ALARM DEVICES SHALL OPERATE THROUGHOUT THE ENTIRE SCHOOL FOR THE MANDATORY ALARM PERIOD BEFORE THEY MAY BE MANUALLY SILENCED AT THE MAIN FIRE ALARM CONTROL PANEL.
 - THE TYPE AND LOCATION OF THE INITIATING DEVICE SHALL BE DISPLAYED ON THE FIRE ALARM CONTROL PANEL AND THE REMOTE ANNUNCIATOR AT THE MAIN ENTRANCE.
 - AN ALARM SIGNAL SHALL BE AUTOMATICALLY TRANSMITTED TO THE UL-C LISTED FIRE ALARM MONITORING STATION, WITH INDICATION PROVIDED ON THE ANNUNCIATOR.
 - OPERATION OF AUXILIARY CONTACTS SHALL OCCUR FOR CONTROL OF ASSOCIATED ANCILLARY FUNCTIONS.
 - ELEVATOR RECALL.
 - RELEASE OF MAGNETIC DOOR HOLDERS.
 - SHUTDOWN OF AIR-HANDLING UNITS.
 - CLOSURE OF SMOKE DAMPERS OR COMBINATION FIRE-SMOKE DAMPERS.
 - SUPERVISORY CONDITION: ACTIVATION OF ANY SUPERVISORY DEVICE SHALL CAUSE THE FOLLOWING TO OCCUR:
 - A DISTINCT SUPERVISORY AUDIBLE SIGNAL AND VISUAL INDICATOR SHALL ACTIVATE ON BOTH THE FIRE ALARM CONTROL PANEL AND THE REMOTE ANNUNCIATOR.
 - THE TYPE AND LOCATION OF THE SUPERVISORY CONDITION SHALL BE DISPLAYED ON THE CONTROL PANEL AND ANNUNCIATOR.
 - TROUBLE CONDITION: ANY SYSTEM MALFUNCTION, INCLUDING OPEN CIRCUIT, GROUND FAULT, LOSS OF POWER, OR DEVICE FAILURE, ETC. SHALL CAUSE THE FOLLOWING TO OCCUR:
 - A DISTINCT TROUBLE AUDIBLE SIGNAL AND VISUAL INDICATOR SHALL ACTIVATE ON BOTH THE FIRE ALARM CONTROL PANEL AND THE REMOTE ANNUNCIATOR.
 - THE AUDIBLE TROUBLE SIGNAL SHALL AUTOMATICALLY SILENCE UPON CORRECTION OF THE FAULT OR WHEN THE ACKNOWLEDGE FUNCTION IS OPERATED, IN ACCORDANCE WITH CAN/ULC-5524.

FIRE WATCH REQUIREMENTS:

EXISTING FIRE ALARM SYSTEM MUST REMAIN AND FULLY OPERATIONAL DURING ENTIRE CONSTRUCTION PERIOD AND ITS PHASING IN ENTIRE BUILDING.
 ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE TO ENSURE THAT THE EXISTING FIRE ALARM SYSTEM WILL NOT BE IN "TROUBLE" OR "OFF-LINE" WITH MONITORING COMPANY DURING ENTIRE CONSTRUCTION PERIOD.

IF THIS OCCURS, A FIRE WATCH SHALL BE ARRANGED BY ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR ARRANGING FIRE WATCH AS REQUIRED DURING ENTIRE CONSTRUCTION PERIOD AND ITS PHASING AND SHALL INCLUDE IN TENDER PRICE ALL ASSOCIATED COSTS.

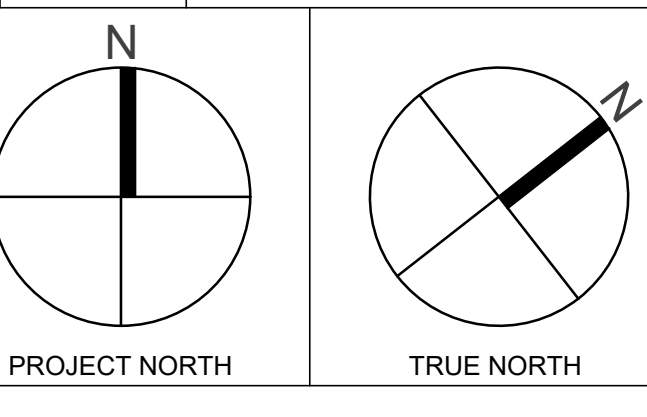
IN SPACES/AREAS WHERE CONSTRUCTION/ABATEMENT WORK WILL BE CONDUCTED DURING ANY CONSTRUCTION PERIOD, EXISTING FIRE ALARM SMOKE AND HEAT DETECTOR(S) OF THOSE AREAS SHALL BE PROVIDED WITH PROTECTED DUST COVERS TO PROTECT FROM CONSTRUCTION/ABATEMENT DUST AND FALSE ALARM.

EXISTING SMOKE AND HEAT DETECTORS AND ASSOCIATED FIRE ALARM ZONE(S) OF THE SUSPECTIVE EFFECTIVE AREAS/SPACES SHALL BE TEMPORARILY PUT OFF-LINE FROM FIRE ALARM PANEL EITHER LIVE OR POWER ZONE AND FIRE MUST SHALL BE PROVIDED ACCORDINGLY ON DAILY BASIS FOR THOSE AREAS AND RESPECTIVE FIRE ALARM ZONES FOR ENTIRE PERIOD OF CONSTRUCTION.

EFFECTIVE FIRE ALARM ZONES AND DEVICES SHALL BE PUT BACK ON-LINE AT THE END OF WORKING HOURS ON DAILY BASIS AS REQUIRED.
 ELECTRICAL CONTRACTOR SHALL COORDINATE ALL WORK WITH GENERAL CONTRACTOR, CONSTRUCTION PHASING AND ON-SITE.

- SMOKE DAMPER / COMBINATION FIRE-SMOKE DAMPER OPERATION SEQUENCE:**
- PROVIDE ALL REQUIRED RELAYS AND COMPONENTS TO ACHIEVE THE FOLLOWING SEQUENCE:
- NORMAL CONDITION:
 - EACH SMOKE DAMPER OR COMBINATION FIRE-SMOKE DAMPER ACTUATOR SHALL BE SUPPLIED WITH 120V POWER TO MAINTAIN THE DAMPER IN THE OPEN POSITION.
 - ALARM CONDITION:
 - UPON ACTIVATION OF ANY FIRE ALARM ZONE, THE ASSOCIATED AUXILIARY CONTACT SHALL INTERRUPT THE 120V POWER SUPPLIES TO ALL SMOKE DAMPER OR COMBINATION FIRE-SMOKE DAMPER ACTUATORS, CAUSING THE DAMPERS TO CLOSE.

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1 FIRE ALARM SYSTEM RISER DIAGRAM
 REFER TO DRAWING E300 FOR APPROXIMATE LOCATION OF MAIN F.A. CONTROL PANEL AND F.A. ANNUNCIATOR

Project Title
ARCHBISHOP DENIS O'CONNOR MECHANICAL UPGRADES

80 MANDRAKE ST.
 AJAX ON L1S 5H4

Sheet Title
ELECTRICAL FIRE ALARM SYSTEM RISER DIAGRAM

Project Number	25119
Date	APR. 2026
Drawn	F.C.
Checked	T.M.
Scale	N.T.S.
Drawing Number	E301