

**MNE ENGINEERING**

MNE Engineering Inc.  
22 Kenco Blvd. Unit A  
Kitchener, Ontario N2C 6Z5  
(519) 894-5108  
www.mneengineering.ca

2025-07-23	ISSUED FOR SCHEMATIC DESIGN	A.W.G.
2025-11-07	ISSUED FOR COORDINATION	A.W.G.
2025-12-17	ISSUED FOR COORDINATION	A.W.G.
2026-02-11	ISSUED FOR BID	A.W.G.



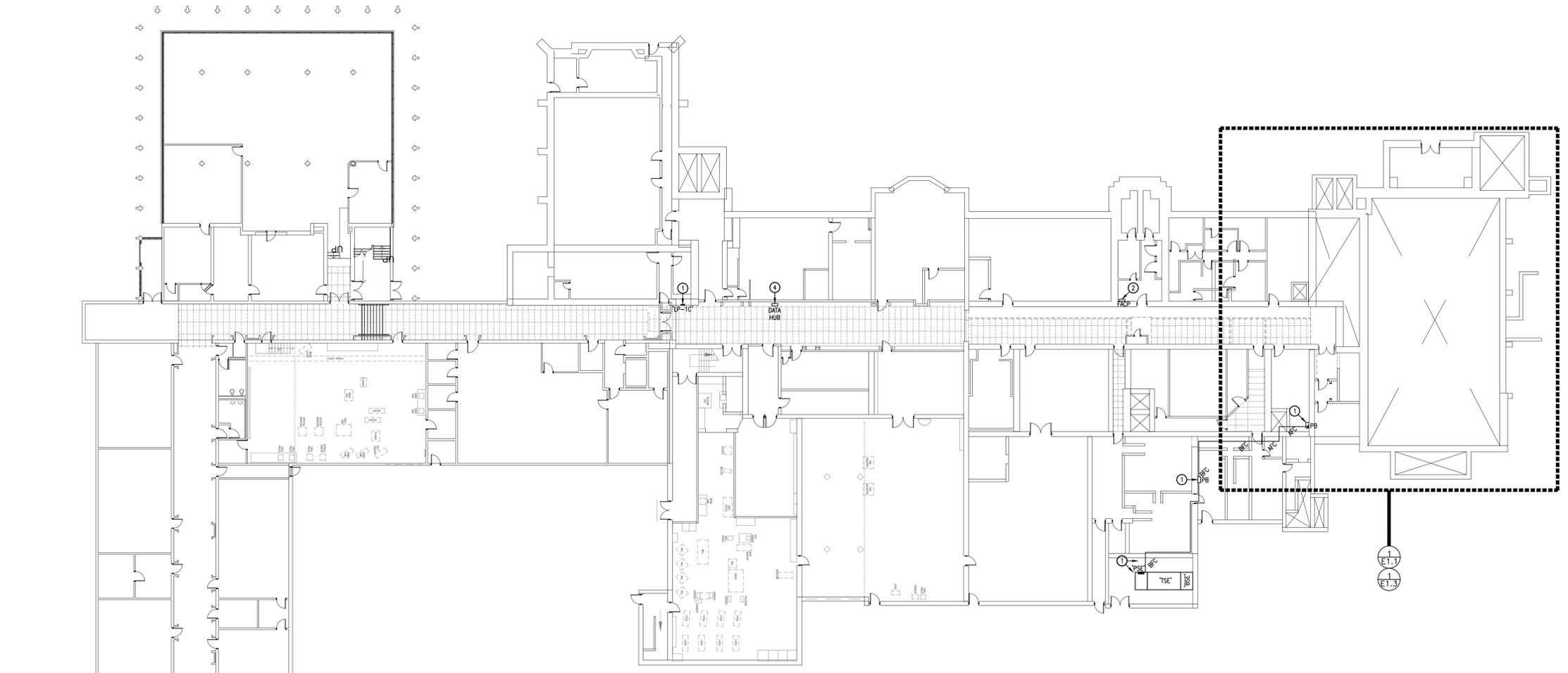
# Galt Collegiate Institute

200 WATER STREET NORTH, CAMBRIDGE ON N1R 1H6

## FIRST FLOOR KEY PLAN

TASSE HALL UPGRADES

Project No.: 25067  
Drawn By: A.W.T.  
Checked By: A.W.G.

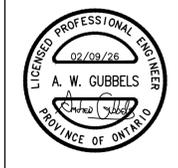


**E0.1** FIRST FLOOR KEY PLAN  
1:250

**KEY PLAN NOTES**

- ① MAINTAIN POWER DISTRIBUTION EQUIPMENT.
  - CUT & PATCH AS REQUIRED TO DELETE ASSOCIATED FEEDER.
  - PROVIDE NEW FEEDER.
  - REFER TO SINGLE LINE DIAGRAMS.
  - REFER TO CONSTRUCTION PHASING.
- ② MAINTAIN EDWARDS EST3 FIRE ALARM CONTROL PANEL (FACP). MODIFY AS FOLLOWS:
  - REWORK DEVICES AS INDICATED ON EXISTING PLANS.
  - EXTEND DATA LOOPS & MODIFY INITIATING ZONES 1, 2, 3, 14, 15, ETC. AS REQUIRED.
  - PROVIDE HARDWARE & LABELS FOR THE FOLLOWING NEW INITIATING ZONES:
    - TASSE HALL SOUTHEAST STAIR.
    - DRESSING ROOM 251A.
    - DRESSING ROOM 350.
    - TASSE HALL AIR HANDLING UNIT 6.
    - TASSE HALL PRE-ACTION WET FLOW.
    - TASSE HALL PRE-ACTION WET VALVE.
    - TASSE HALL STAGE DELUGE FLOW.
    - TASSE HALL STAGE DELUGE VALVE.
    - SOUTH ATTIC DRY FLOW.
    - SOUTH ATTIC DRY VALVE.
  - EXTEND SIGNALING/NOTIFICATION WIRING.
  - PROVIDE SYSTEM VERIFICATIONS & INTEGRATED SYSTEMS TESTS.
- ③ MAINTAIN THE EST FIRE ALARM ANNUNCIATOR PANEL (FAP). UPDATE ZONE LABELS TO REFLECT CONTROL PANEL ALTERATIONS. ASSOCIATED GRAPHICS TO BE UPDATED BY THE OWNER.
- ④ MAINTAIN COMMUNICATIONS & SECURITY HUB. PROVIDE PATHWAYS FOR CABLING. REFER TO ALLOWANCE WORKS.





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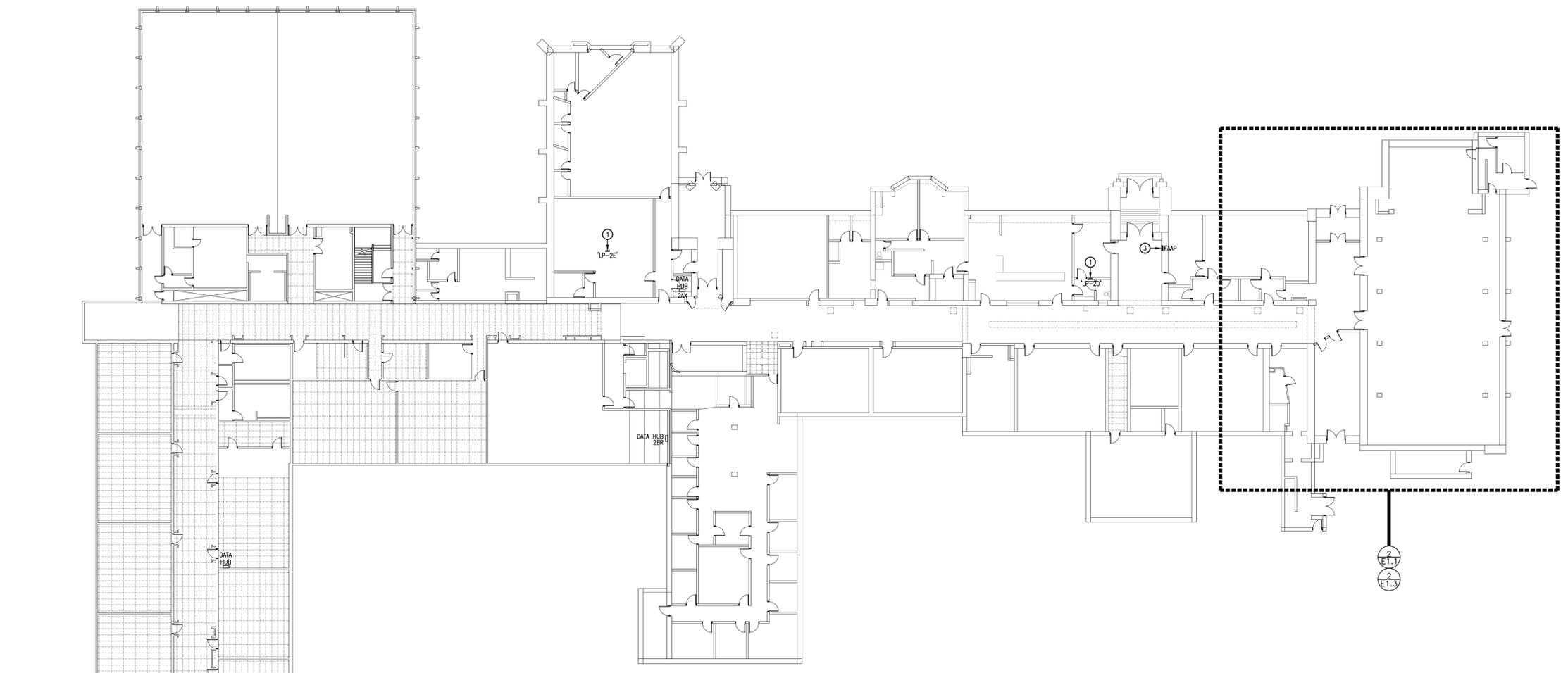


**Galt Collegiate Institute**  
 200 WATER STREET NORTH, CAMBRIDGE ON N1R 1H6

**SECOND FLOOR KEY PLAN**

TASSE HALL UPGRADES

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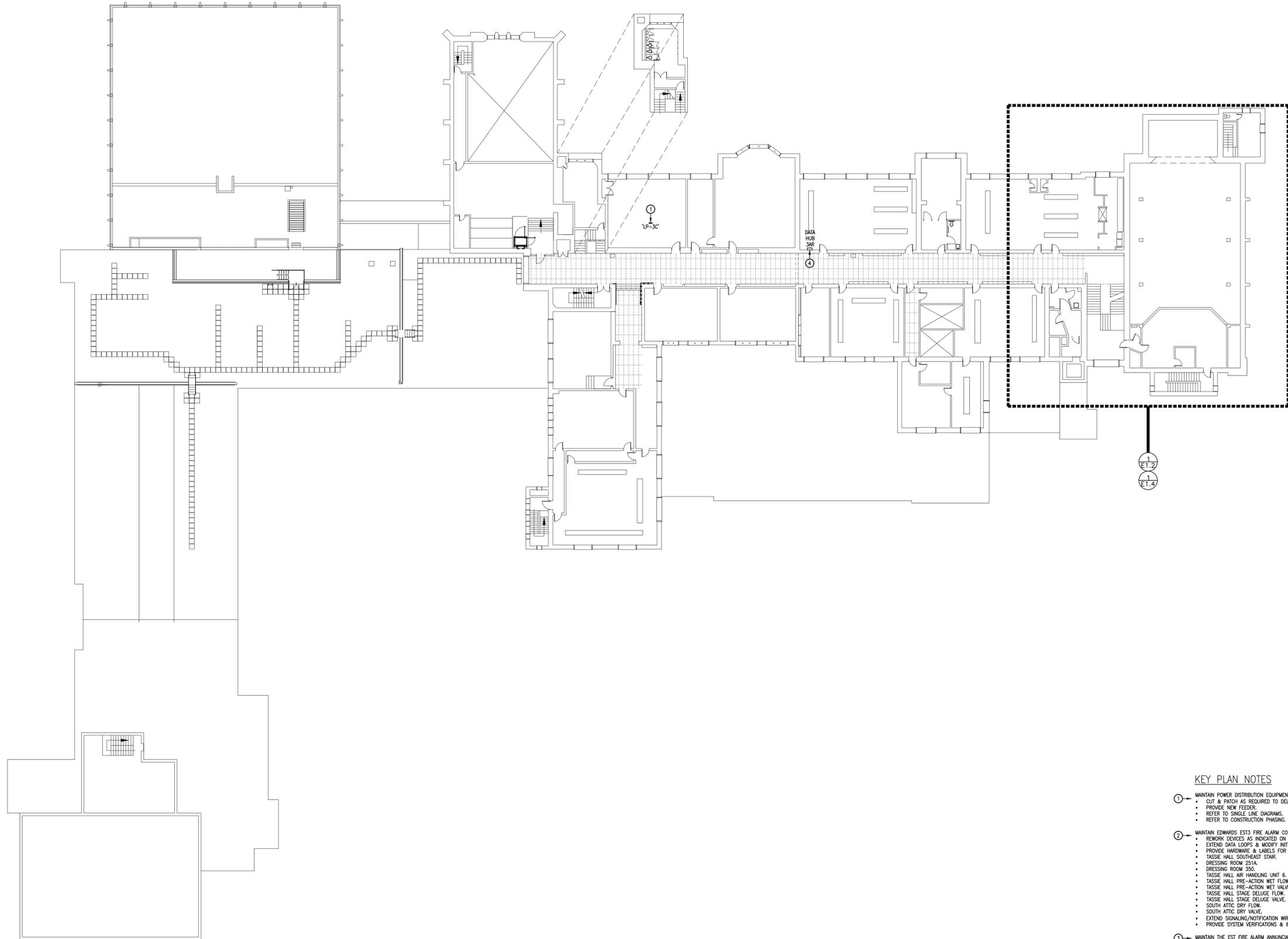


**SECOND FLOOR KEY PLAN**  
 E0.2 1:250

**KEY PLAN NOTES**

- ① MAINTAIN POWER DISTRIBUTION EQUIPMENT.
  - CUT & PATCH AS REQUIRED TO DELETE ASSOCIATED FEEDER.
  - PROVIDE NEW FEEDER.
  - REFER TO SINGLE LINE DIAGRAMS.
  - REFER TO CONSTRUCTION PHASING.
- ② MAINTAIN EDWARDS EST3 FIRE ALARM CONTROL PANEL (FACP). MODIFY AS FOLLOWS:
  - REWORK DEVICES AS INDICATED ON EXISTING PLANS.
  - EXTEND DATA LOOPS & MODIFY INITIATING ZONES 1, 2, 3, 14, 15, ETC. AS REQUIRED.
  - PROVIDE HARDWARE & LABELS FOR THE FOLLOWING NEW INITIATING ZONES:
    - TASSE HALL SOUTHEAST STAIR.
    - DRESSING ROOM 251A.
    - DRESSING ROOM 350.
    - TASSE HALL AIR HANDLING UNIT 6.
    - TASSE HALL PRE-ACTION WET FLOW.
    - TASSE HALL PRE-ACTION WET VALVE.
    - TASSE HALL STAGE DELUGE FLOW.
    - TASSE HALL STAGE DELUGE VALVE.
    - SOUTH ATTIC DRY FLOW.
    - SOUTH ATTIC DRY VALVE.
  - EXTEND SIGNALING/NOTIFICATION WIRING.
  - PROVIDE SYSTEM VERIFICATIONS & INTEGRATED SYSTEMS TESTS.
- ③ MAINTAIN THE EST FIRE ALARM ANNUNCIATOR PANEL (FAP). UPDATE ZONE LABELS TO REFLECT CONTROL PANEL ALTERATIONS. ASSOCIATED GRAPHICS TO BE UPDATED BY THE OWNER.
- ④ MAINTAIN COMMUNICATIONS & SECURITY HUB. PROVIDE PATHWAYS FOR CABLING. REFER TO ALLOWANCE WORKS.





1 THIRD FLOOR KEY PLAN  
E0.3 1:250

**KEY PLAN NOTES**

- ① MAINTAIN POWER DISTRIBUTION EQUIPMENT.
  - CUT & PATCH AS REQUIRED TO DELETE ASSOCIATED FEEDER.
  - PROVIDE NEW FEEDER.
  - REFER TO SINGLE LINE DIAGRAMS.
  - REFER TO CONSTRUCTION PHASING.
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    - TASSIE HALL SOUTHEAST STAIR.
    - DRESSING ROOM 251A.
    - DRESSING ROOM 350.
    - TASSIE HALL AIR HANDLING UNIT 6.
    - TASSIE HALL PRE-ACTION WET FLOW.
    - TASSIE HALL PRE-ACTION WET VALVE.
    - TASSIE HALL STAGE DELUGE FLOW.
    - TASSIE HALL STAGE DELUGE VALVE.
    - SOUTH ATTIC DRY FLOW.
    - SOUTH ATTIC DRY VALVE.
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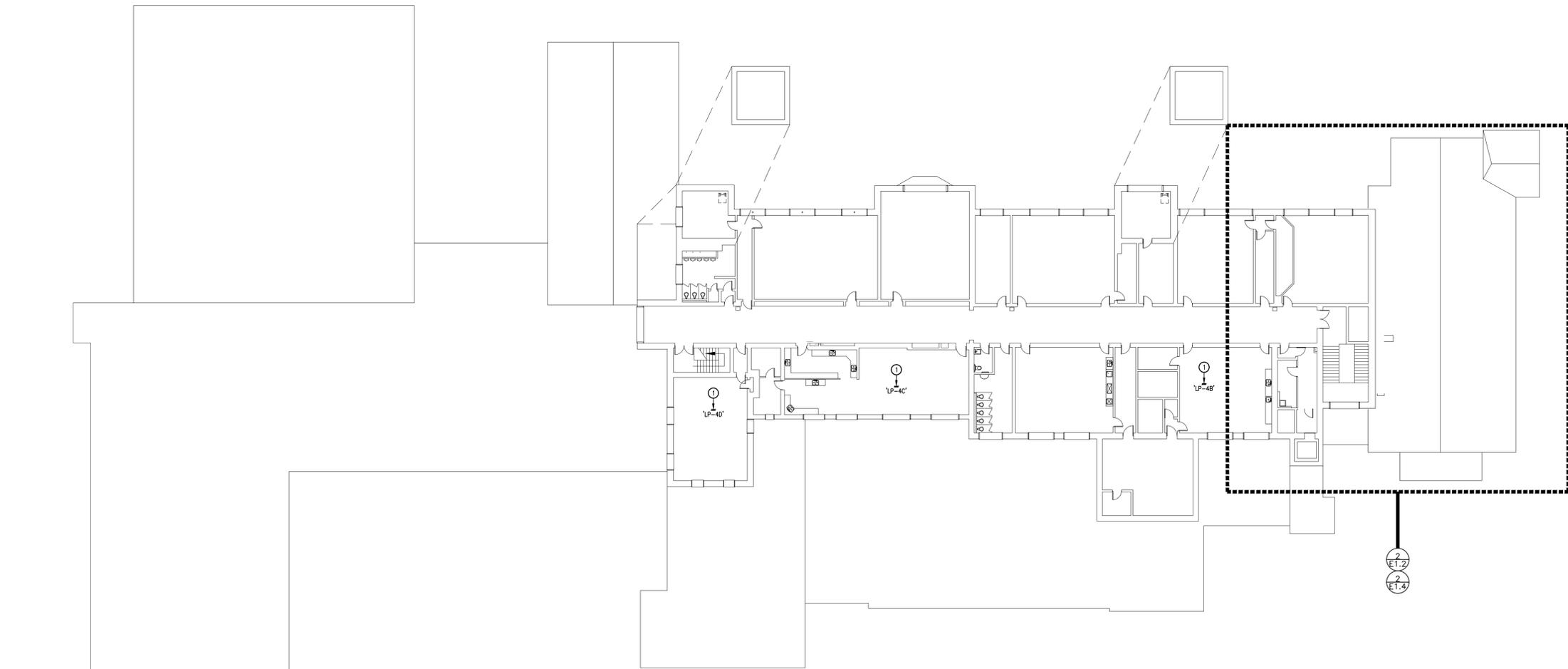
**Galt Collegiate Institute**  
 200 WATER STREET NORTH, CAMBRIDGE, ON N1R 1H6

**THIRD FLOOR KEY PLAN**

TASSIE HALL UPGRADES

Project No.:	25067	Drawn By:	A.W.T	Checked By:	A.W.G.
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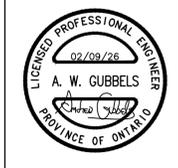
E0.3



E0.4 FOURTH FLOOR KEY PLAN  
1:250

KEY PLAN NOTES

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  - CUT & PATCH AS REQUIRED TO DELETE ASSOCIATED FEEDER.
  - PROVIDE NEW FEEDER.
  - REFER TO SINGLE LINE DIAGRAMS.
  - REFER TO CONSTRUCTION PHASING.
- ② MAINTAIN EDWARDS EST3 FIRE ALARM CONTROL PANEL (FACP). MODIFY AS FOLLOWS:
  - REWORK DEVICES AS INDICATED ON EXISTING PLANS.
  - EXTEND DATA LOOPS & MODIFY INITIATING ZONES 1, 2, 3, 14, 15, ETC. AS REQUIRED.
  - PROVIDE HARDWARE & LABELS FOR THE FOLLOWING NEW INITIATING ZONES:
    - TASSIE HALL SOUTHEAST STAIR.
    - DRESSING ROOM 251A.
    - DRESSING ROOM 350.
    - TASSIE HALL AIR HANDLING UNIT 6.
    - TASSIE HALL PRE-ACTION WET FLOW.
    - TASSIE HALL PRE-ACTION WET VALVE.
    - TASSIE HALL STAGE DELUGE FLOW.
    - TASSIE HALL STAGE DELUGE VALVE.
    - SOUTH ATTIC DRY FLOW.
    - SOUTH ATTIC DRY VALVE.
  - EXTEND SIGNALING/NOTIFICATION WIRING.
  - PROVIDE SYSTEM VERIFICATIONS & INTEGRATED SYSTEMS TESTS.
- ③ MAINTAIN THE EST FIRE ALARM ANNUNCIATOR PANEL (FAP). UPDATE ZONE LABELS TO REFLECT CONTROL PANEL ALTERATIONS. ASSOCIATED GRAPHICS TO BE UPDATED BY THE OWNER.
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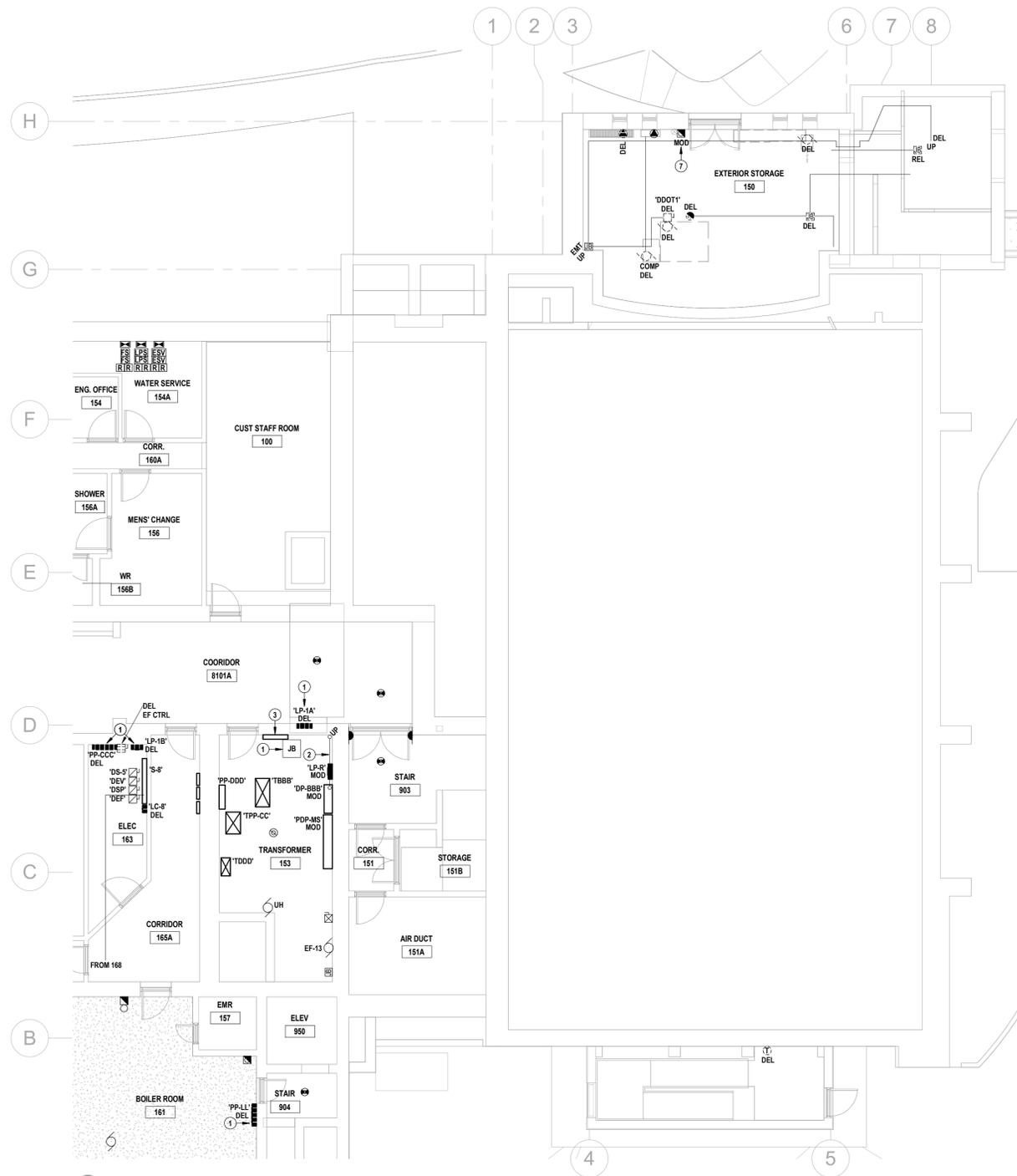


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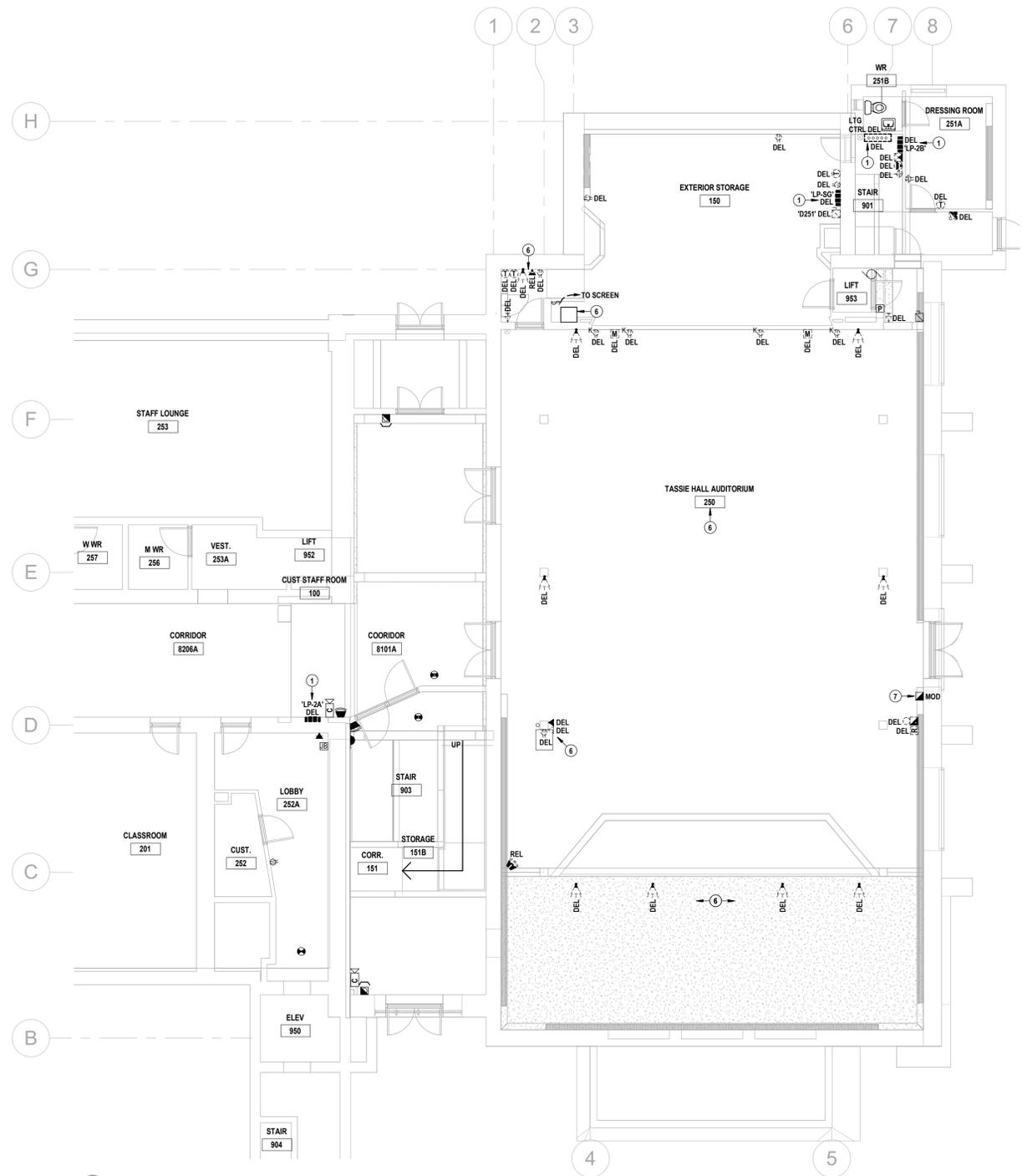
TASSIE HALL UPGRADES  
**FOURTH FLOOR KEY PLAN**

Project No.: 25067  
 Drawn By: A.W.T.  
 Checked By: A.W.G.

E0.4

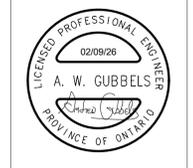


1 EXISTING FIRST FLOOR POWER, COMMUNICATION & SECURITY PLAN  
E1.1 SCALE: 1:100



2 EXISTING SECOND FLOOR POWER, COMMUNICATION & SECURITY PLAN  
E1.1 SCALE: 1:100

- EXISTING DRAWING NOTES**
- 1 → DELETE POWER DISTRIBUTION EQUIPMENT & FEEDERS AS OUTLINED.  
• REFER TO SINGLE LINE DIAGRAMS.  
• REFER TO CONSTRUCTION PHASING.
  - 2 → MAINTAIN CONDUCTORS.  
• FIELD CONFIRM ROUTE.  
• PROVIDE HARDWARE/SPACERS TO MAINTAIN FREE AIR RATING.  
• REWORK AS REQUIRED TO SUIT STRUCTURAL & HVAC INSTALLATIONS.  
REFER TO SEPARATE PRICE.
  - 3 → REWORK FIRE ALARM CONDUITS & SPLITTER AS REQUIRED TO ACCOMMODATE NEW POWER DISTRIBUTION BOARD.
  - 4 → DELETE CORDS, PLEWS, CABLES, DMX DEVICES, LAMP HOLDERS, REDUNDANT BRANCH WIRING, CONDUITS, BOXES & COMMUNICATIONS CABLING (NOT ALL INDICATED). QUANTIFY SCOPE PRIOR TO BIDDING.
  - 5 → SCHEDULE WITH DIVISION 04 WORK TO DELETE ALL EXPOSED RACEWAYS ALONG THIS DELINEATION. QUANTIFY SCOPE PRIOR TO BIDDING.
  - 6 → COMMUNICATIONS DEVICES TO BE REWORKED BY DIVISION 27 SUBCONTRACTORS UNDER ALLOWANCES. COORDINATE TO DELETE ASSOCIATED CABLING, RACEWAYS, BOXES, ETC. (NOT ALL INDICATED).
  - 7 → CUT & PATCH TO RELOCATE DEVICE TO SPECIFIED MOUNTING HEIGHT.
  - 8 → SALVAGE EXIT SIGN FOR RESTORATION.  
• REWORK BRANCH WIRING TO NEW SOURCE.  
• REINSTALL.  
REFER TO ALLOWANCE WORKS.
  - 9 → MAINTAIN RACEWAY, BOXES, CABLING & CONTROLS (NOT ALL INDICATED) SERVING WINDOW SHADES.
  - 10 → DELETE LUMINAIRES. ASSOCIATED RIGGING TO BE REWORKED UNDER ALLOWANCE.
  - 11 → DELETE LUMINAIRES. MODIFY ATTIC HOUSINGS AS REQUIRED TO SUIT REDUCED APERTURE LUMINAIRES.
- DESIGNATIONS**  
EQUIPMENT, WIRING DEVICES, LUMINAIRES, ETC. WITHOUT A TAG ARE EXISTING TO REMAIN. ITEMS ARE SHOWN ONLY FOR COORDINATION.
- ABATEMENT**  
INCLUDE THE COST OF RETAINING AN OWNER-APPROVED SUBCONTRACTOR FOR THE ABATEMENT OF ALL ASBESTOS CONTAINING MATERIAL (ACM) WITHIN A 600mm RADIUS OF ANY ELECTRICAL WORK. REFER TO THE OWNER'S DESIGNATED SUBSTANCES REPORT.
- ALLOWANCE WORKS**  
REFER TO DIVISION 01 SPECIFICATION FOR DETAILS OF DIVISION 26, 27 & 28 WORKS TO BE QUANTIFIED UNDER ALLOWANCE.



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ENGINEERING

ISSUED FOR COORDINATION  
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2024-02-11

A.W.G.  
A.W.G.  
A.W.G.



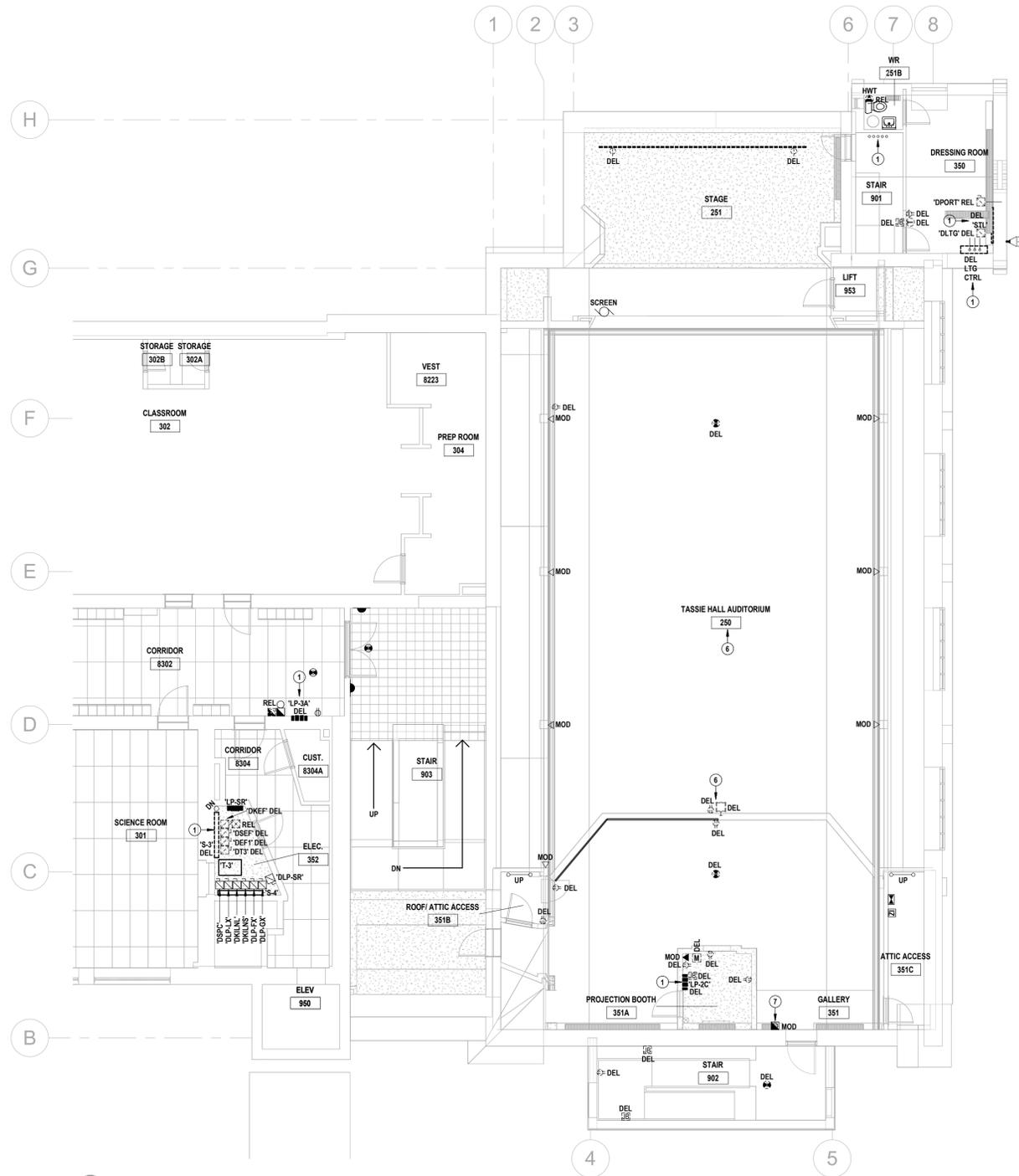
**Galt Collegiate Institute**  
200 Water Street North, Cambridge, ON

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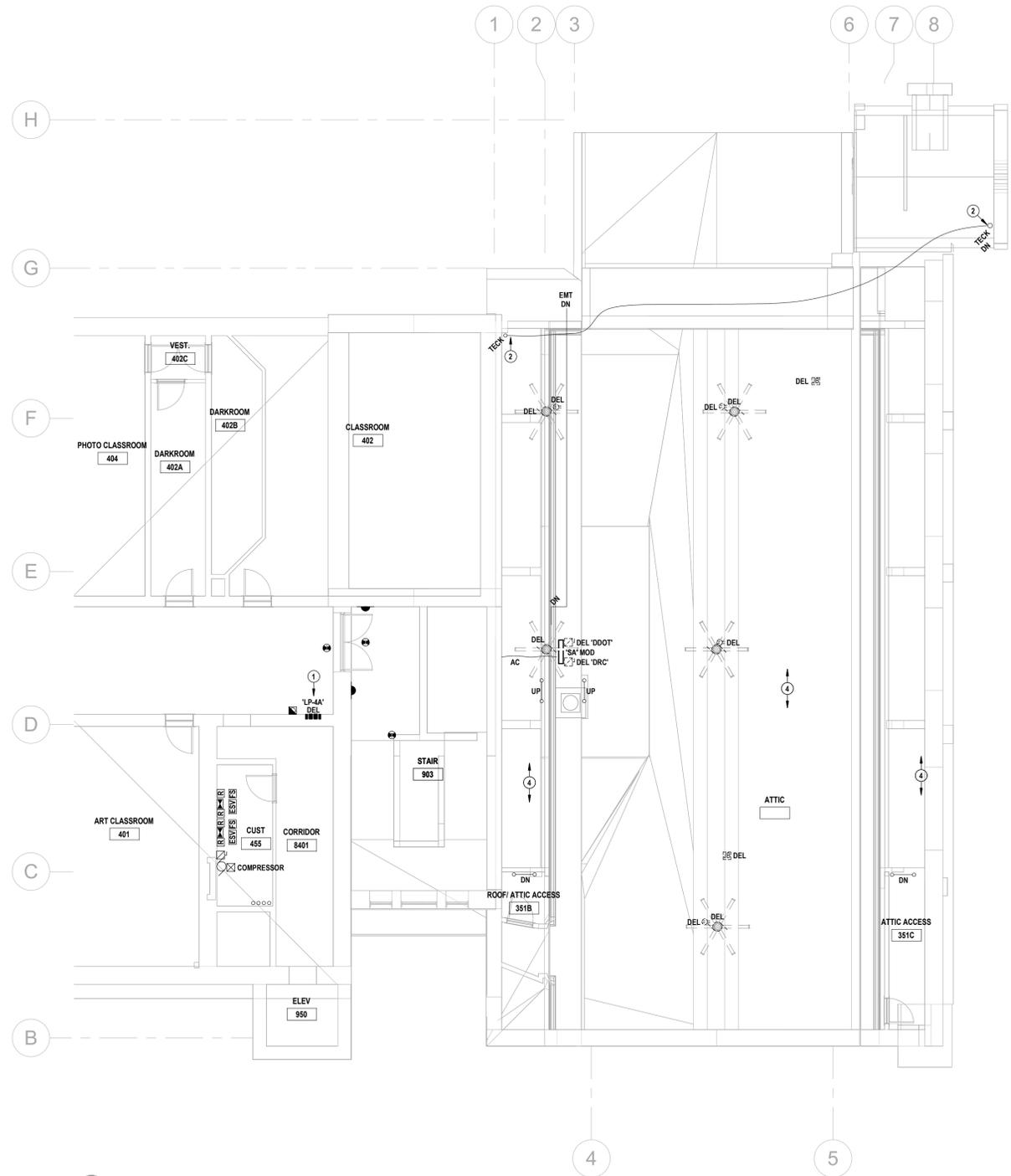
**EXISTING POWER, COMMUNICATIONS & SECURITY PLANS**



E1.1

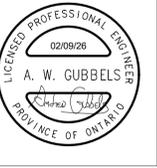


1 EXISTING THIRD FLOOR POWER, COMMUNICATIONS & SECURITY PLAN  
E1.2 SCALE: 1:100



2 EXISTING FOURTH FLOOR POWER, COMMUNICATIONS & SECURITY PLAN  
E1.2 SCALE: 1:100

- EXISTING DRAWING NOTES**
- 1 → DELETE POWER DISTRIBUTION EQUIPMENT & FEEDERS AS OUTLINED.  
• REFER TO SINGLE LINE DIAGRAMS.  
• REFER TO CONSTRUCTION PHASING.
  - 2 → MAINTAIN CONDUCTORS.  
• FIELD CONFIRM ROUTE.  
• PROVIDE HARDWARE/SPACERS TO MAINTAIN FREE AIR RATING.  
• REWORK AS REQUIRED TO SUIT STRUCTURAL & HVAC INSTALLATIONS.  
REFER TO SEPARATE PRICE.
  - 3 → REWORK FIRE ALARM CONDUITS & SPLITTER AS REQUIRED TO ACCOMMODATE NEW POWER DISTRIBUTION BOARD.
  - 4 → DELETE CORDS, PLUGS, CABLES, DMX DEVICES, LAMP HOLDERS, REDUNDANT BRANCH WIRING, CONDUITS, BOXES & COMMUNICATIONS CABLING (NOT ALL INDICATED). QUANTIFY SCOPE PRIOR TO BIDDING.
  - 5 → SCHEDULE WITH DIVISION 04 WORK TO DELETE ALL EXPOSED RACEWAYS ALONG THIS DELINEATION. QUANTIFY SCOPE PRIOR TO BIDDING.
  - 6 → COMMUNICATIONS DEVICES TO BE REWORKED BY DIVISION 27 SUBCONTRACTORS UNDER ALLOWANCES. COORDINATE TO DELETE ASSOCIATED CABLING, RACEWAYS, BOXES, ETC. (NOT ALL INDICATED).
  - 7 → CUT & PATCH TO RELOCATE DEVICE TO SPECIFIED MOUNTING HEIGHT.
  - 8 → SALVAGE EXIT SIGN FOR RESTORATION.  
• REWORK BRANCH WIRING TO NEW SOURCE.  
• REINSTALL.  
REFER TO ALLOWANCE WORKS.
  - 9 → MAINTAIN RACEWAY, BOXES, CABLING & CONTROLS (NOT ALL INDICATED) SERVING WINDOW SHADES.
  - 10 → DELETE LUMINAIRES. ASSOCIATED RIGGING TO BE REWORKED UNDER ALLOWANCE.
  - 11 → DELETE LUMINAIRES. MODIFY ATTIC HOUSINGS AS REQUIRED TO SUIT REDUCED APERTURE LUMINAIRES.
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- ABATEMENT**  
INCLUDE THE COST OF RETAINING AN OWNER-APPROVED SUBCONTRACTOR FOR THE ABATEMENT OF ALL ASBESTOS CONTAINING MATERIAL (ACM) WITHIN A 600mm RADIUS OF ANY ELECTRICAL WORK. REFER TO THE OWNER'S DESIGNATED SUBSTANCES REPORT.
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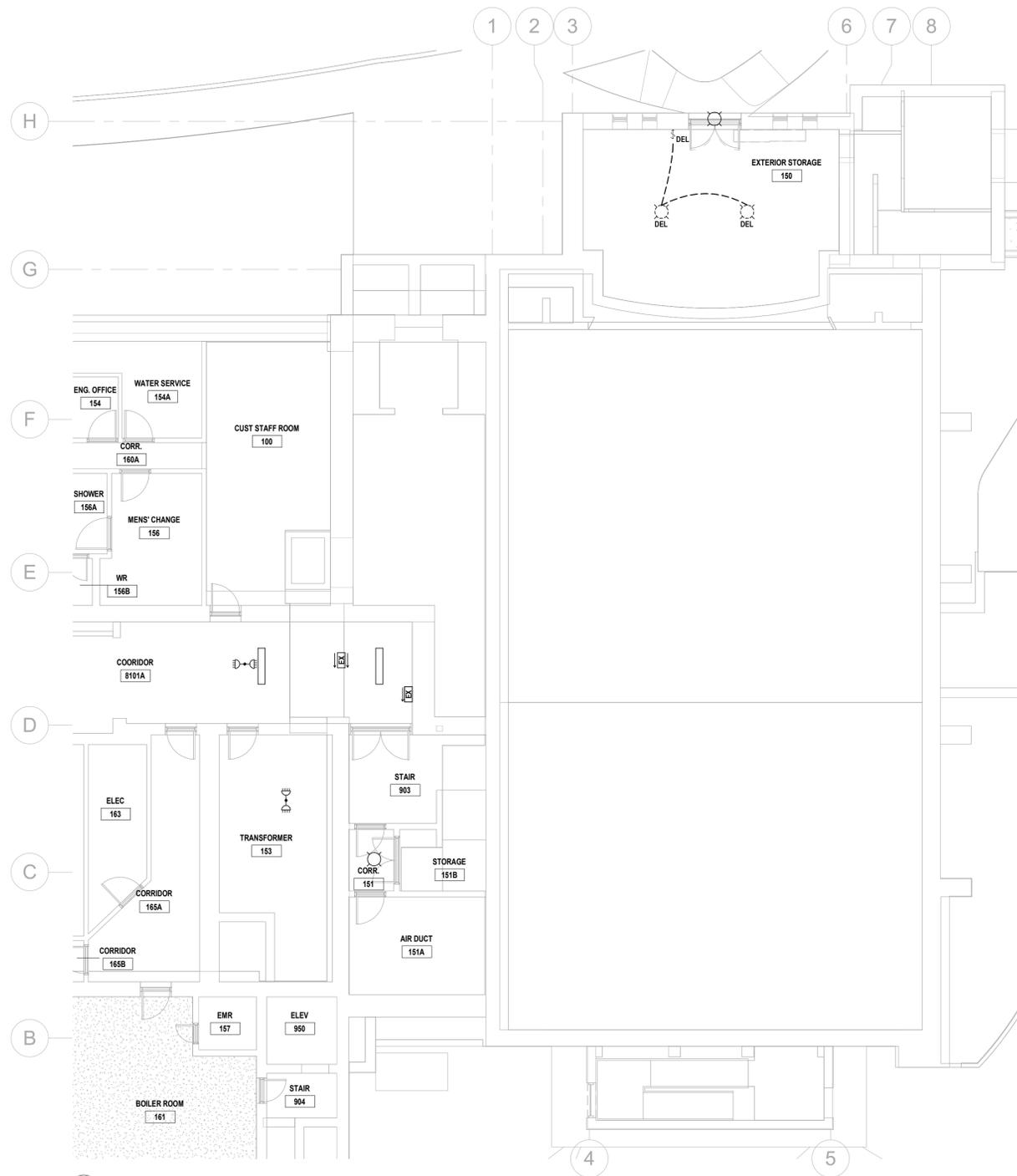
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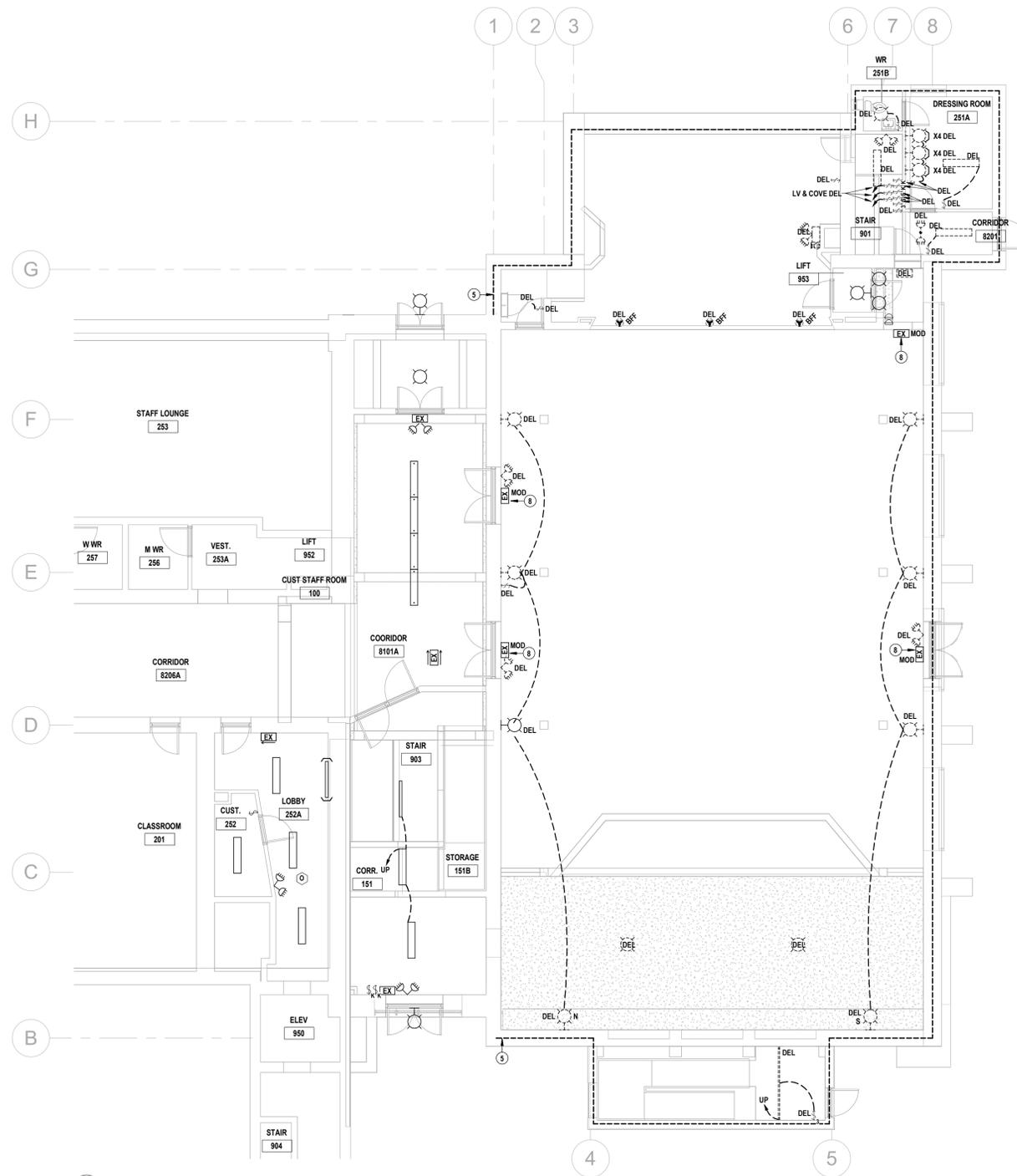
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E1.2

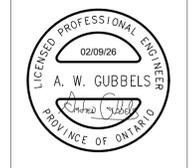




1 EXISTING FIRST FLOOR LIGHTING PLAN  
E1.3 SCALE: 1:100



2 EXISTING SECOND FLOOR LIGHTING PLAN  
E1.3 SCALE: 1:100



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2024-12-17  
2024-02-11

A.W.G.  
A.W.G.  
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**Galt Collegiate Institute**  
Tassie Hall Upgrade  
200 Water Street North, Cambridge, ON

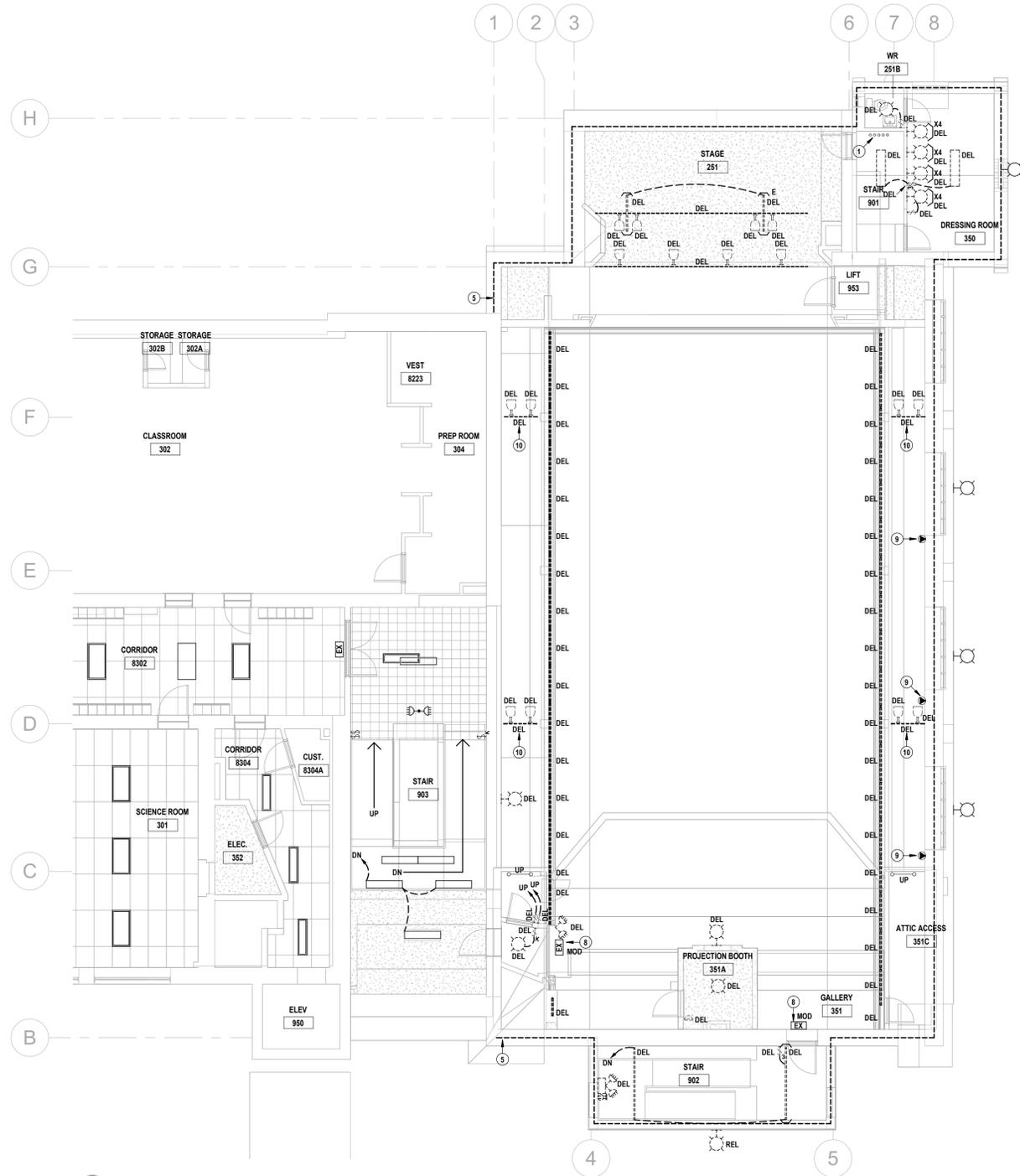
Project No.: 25067  
Drawn By: A.T.  
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EXISTING LIGHTING PLANS

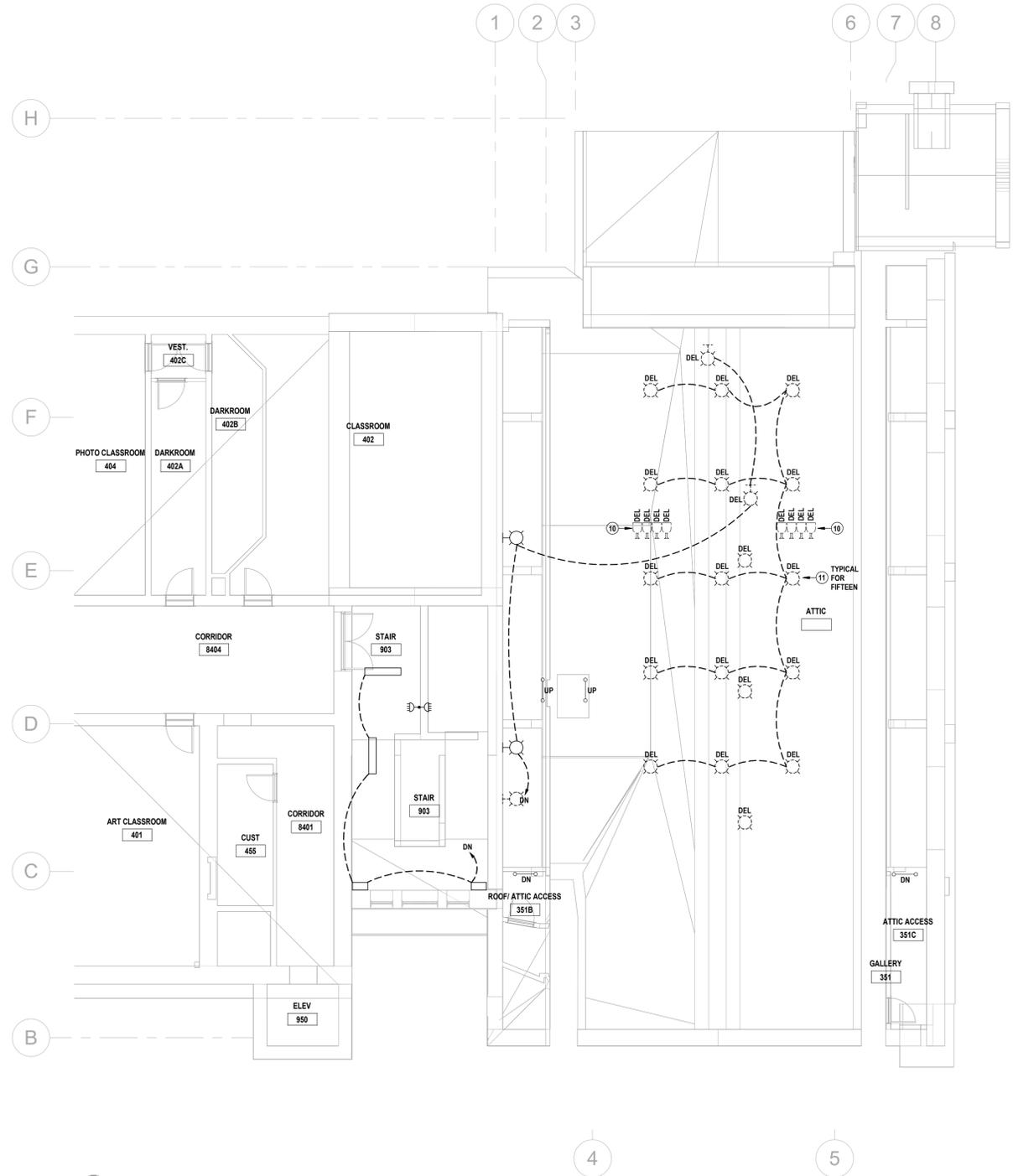
- EXISTING DRAWING NOTES**
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• REFER TO CONSTRUCTION PHASING.
  - 2 → MAINTAIN CONDUCTORS.  
• FIELD CONFIRM ROUTE.  
• PROVIDE HARDWARE SPACERS TO MAINTAIN FREE AIR RATING.  
• REWORK AS REQUIRED TO SUIT STRUCTURAL & HVAC INSTALLATIONS.  
REFER TO SEPARATE PRICE.
  - 3 → REWORK FIRE ALARM CONDUITS & SPLITTER AS REQUIRED TO ACCOMMODATE NEW POWER DISTRIBUTION BOARD.
  - 4 → DELETE CORDS, PLUGS, CABLES, DMX DEVICES, LAMP HOLDERS, REDUNDANT BRANCH WIRING, CONDUITS, BOXES & COMMUNICATIONS CABLING (NOT ALL INDICATED). QUANTIFY SCOPE PRIOR TO BIDDING.
  - 5 → SCHEDULE WITH DIVISION 04 WORK TO DELETE ALL EXPOSED RACEWAYS ALONG THIS DELINEATION. QUANTIFY SCOPE PRIOR TO BIDDING.
  - 6 → COMMUNICATIONS DEVICES TO BE REWORKED BY DIVISION 27 SUBCONTRACTORS UNDER ALLOWANCES. COORDINATE TO DELETE ASSOCIATED CABLING, RACEWAYS, BOXES, ETC. (NOT ALL INDICATED).
  - 7 → CUT & PATCH TO RELOCATE DEVICE TO SPECIFIED MOUNTING HEIGHT.
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• REINSTALL.  
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  - 9 → MAINTAIN RACEWAY, BOXES, CABLING & CONTROLS (NOT ALL INDICATED) SERVING WINDOW SHADES.
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- ABATEMENT**  
INCLUDE THE COST OF RETAINING AN OWNER-APPROVED SUBCONTRACTOR FOR THE ABATEMENT OF ALL ASBESTOS CONTAINING MATERIAL (ACM) WITHIN A 600mm RADIUS OF ANY ELECTRICAL WORK. REFER TO THE OWNER'S DESIGNATED SUBSTANCES REPORT.
- ALLOWANCE WORKS**  
REFER TO DIVISION 01 SPECIFICATION FOR DETAILS OF DIVISION 26, 27 & 28 WORKS TO BE QUANTIFIED UNDER ALLOWANCE.



E1.3



1 EXISTING THIRD FLOOR LIGHTING PLAN  
E1.4 SCALE: 1:100



2 EXISTING FOURTH FLOOR & ATTIC LIGHTING PLAN  
E1.4 SCALE: 1:100

- EXISTING DRAWING NOTES**
- 1 → DELETE POWER DISTRIBUTION EQUIPMENT & FEEDERS AS OUTLINED.  
• REFER TO SINGLE LINE DIAGRAMS.  
• REFER TO CONSTRUCTION PHASING.
  - 2 → MAINTAIN CONDUCTORS.  
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  - 6 → COMMUNICATIONS DEVICES TO BE REWORKED BY DIVISION 27 SUBCONTRACTORS UNDER ALLOWANCES. COORDINATE TO DELETE ASSOCIATED CABLING, RACEWAYS, BOXES, ETC. (NOT ALL INDICATED).
  - 7 → CUT & PATCH TO RELOCATE DEVICE TO SPECIFIED MOUNTING HEIGHT.
  - 8 → SALVAGE EXIT SIGN FOR RESTORATION.  
• REWORK BRANCH WIRING TO NEW SOURCE.  
• REINSTALL.  
REFER TO ALLOWANCE WORKS.
  - 9 → MAINTAIN RACEWAY, BOXES, CABLING & CONTROLS (NOT ALL INDICATED) SERVING WINDOW SHADES.
  - 10 → DELETE LUMINAIRES. ASSOCIATED RIGGING TO BE REWORKED UNDER ALLOWANCE.
  - 11 → DELETE LUMINAIRES. MODIFY ATTIC HOUSINGS AS REQUIRED TO SUIT REDUCED APERTURE LUMINAIRES.
- DESIGNATIONS**  
EQUIPMENT, WIRING DEVICES, LUMINAIRES, ETC. WITHOUT A TAG ARE EXISTING TO REMAIN. ITEMS ARE SHOWN ONLY FOR COORDINATION.
- ABATEMENT**  
INCLUDE THE COST OF RETAINING AN OWNER-APPROVED SUBCONTRACTOR FOR THE ABATEMENT OF ALL ASBESTOS CONTAINING MATERIAL (ACM) WITHIN A 600mm RADIUS OF ANY ELECTRICAL WORK. REFER TO THE OWNER'S DESIGNATED SUBSTANCES REPORT.
- ALLOWANCE WORKS**  
REFER TO DIVISION 01 SPECIFICATION FOR DETAILS OF DIVISION 26, 27 & 28 WORKS TO BE QUANTIFIED UNDER ALLOWANCE.



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A.W.G.  
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A.W.G.



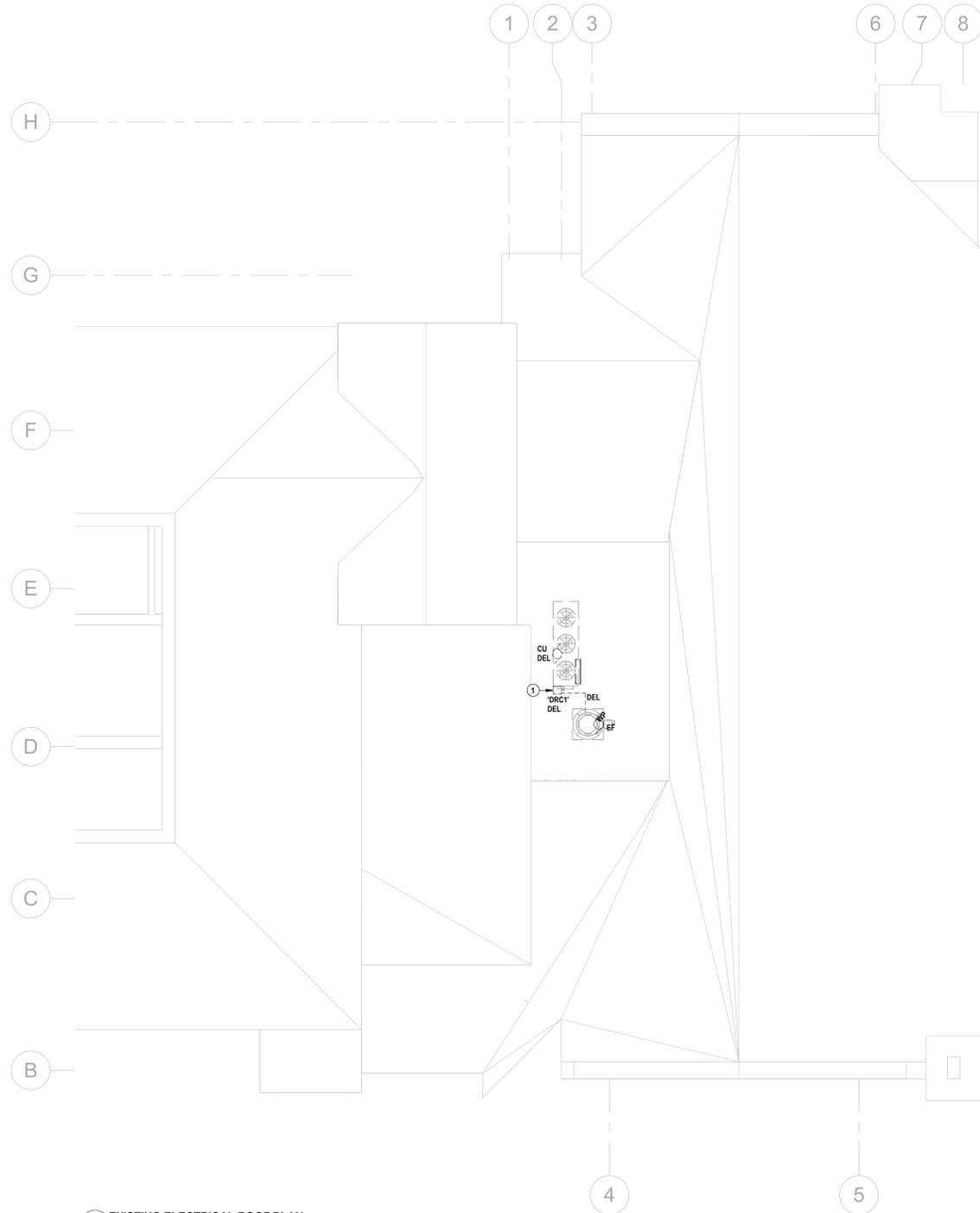
**Galt Collegiate Institute**  
Tassie Hall Upgrade  
200 Water Street North, Cambridge, ON

EXISTING LIGHTING PLANS

Project No.: 25067  
Drawn By: A.T.  
Checked By: A.W.G.



E1.4



**1** EXISTING ELECTRICAL ROOF PLAN  
 E1.5 SCALE: 1:100

- | EXISTING DRAWING NOTES  |  |
|---|--|
| <p>① → DELETE POWER DISTRIBUTION EQUIPMENT &amp; FEEDERS AS OUTLINED.<br/>           • REFER TO SINGLE LINE DIAGRAMS.<br/>           • REFER TO CONSTRUCTION PHASING.</p> <p>② → MAINTAIN CONDUCTORS.<br/>           • FIELD CONFIRM ROUTE.<br/>           • PROVIDE HARDWARE SPACERS TO MAINTAIN FREE AIR RATING.<br/>           • REWORK AS REQUIRED TO SUIT STRUCTURAL &amp; HVAC INSTALLATIONS.<br/>           REFER TO SEPARATE PRICE.</p> <p>③ → REWORK FIRE ALARM CONDUITS &amp; SPLITTER AS REQUIRED TO ACCOMMODATE NEW POWER DISTRIBUTION BOARD.</p> <p>④ → DELETE CORDS, PLUGS, CABLES, DMX DEVICES, LAMP HOLDERS, REDUNDANT BRANCH WIRING, CONDUITS, BOXES &amp; COMMUNICATIONS CABLING (NOT ALL INDICATED). QUANTIFY SCOPE PRIOR TO BIDDING.</p> <p>⑤ → SCHEDULE WITH DIVISION 04 WORK TO DELETE ALL EXPOSED RACEWAYS ALONG THIS DELINEATION. QUANTIFY SCOPE PRIOR TO BIDDING.</p> <p>⑥ → COMMUNICATIONS DEVICES TO BE REWORKED BY DIVISION 27 SUBCONTRACTORS UNDER ALLOWANCES. COORDINATE TO DELETE ASSOCIATED CABLING, RACEWAYS, BOXES, ETC. (NOT ALL INDICATED).</p> <p>⑦ → CUT &amp; PATCH TO RELOCATE DEVICE TO SPECIFIED MOUNTING HEIGHT.</p> | <p>⑧ → SALVAGE EXIT SIGN FOR RESTORATION.<br/>           • REWORK BRANCH WIRING TO NEW SOURCE.<br/>           REINSTALL.<br/>           REFER TO ALLOWANCE WORKS.</p> <p>⑨ → MAINTAIN RACEWAY, BOXES, CABLING &amp; CONTROLS (NOT ALL INDICATED) SERVING WINDOW SHADES.</p> <p>⑩ → DELETE LUMINAIRES. ASSOCIATED RIGGING TO BE REWORKED UNDER ALLOWANCE.</p> <p>⑪ → DELETE LUMINAIRES. MODIFY ATTIC HOUSINGS AS REQUIRED TO SUIT REDUCED APERTURE LUMINAIRES.</p> <p><b>DESIGNATIONS</b><br/>           EQUIPMENT, WIRING DEVICES, LUMINAIRES, ETC. WITHOUT A TAG ARE EXISTING TO REMAIN. ITEMS ARE SHOWN ONLY FOR COORDINATION.</p> <p><b>ABATEMENT</b><br/>           INCLUDE THE COST OF RETAINING AN OWNER-APPROVED SUBCONTRACTOR FOR THE ABATEMENT OF ALL ASBESTOS CONTAINING MATERIAL (ACM) WITHIN A 600mm RADIUS OF ANY ELECTRICAL WORK. REFER TO THE OWNER'S DESIGNATED SUBSTANCES REPORT.</p> <p><b>ALLOWANCE WORKS</b><br/>           REFER TO DIVISION 01 SPECIFICATION FOR DETAILS OF DIVISION 26, 27 &amp; 28 WORKS TO BE QUANTIFIED UNDER ALLOWANCE.</p> |



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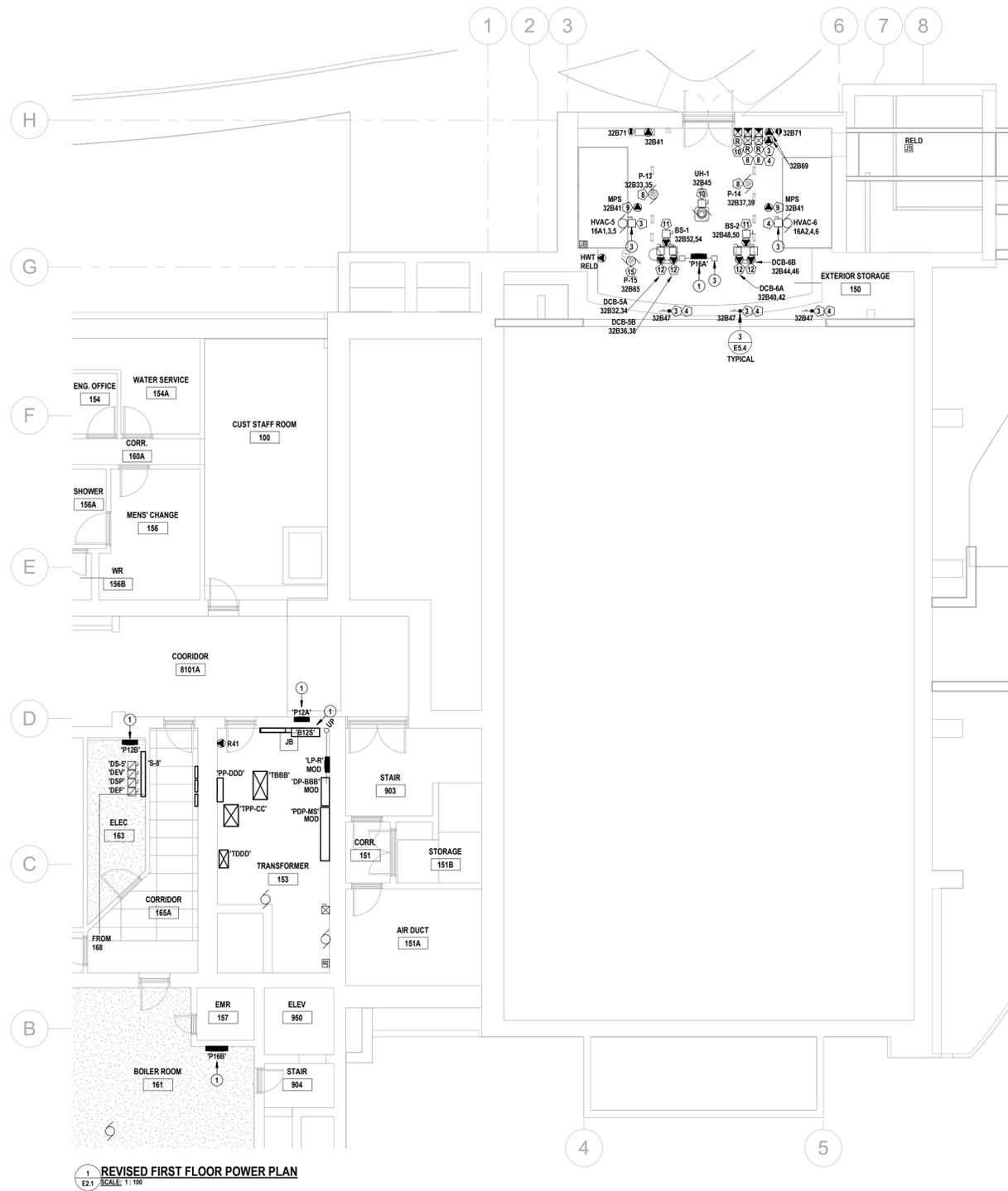
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 Tassie Hall Upgrade

**EXISTING ELECTRICAL ROOF PLAN**

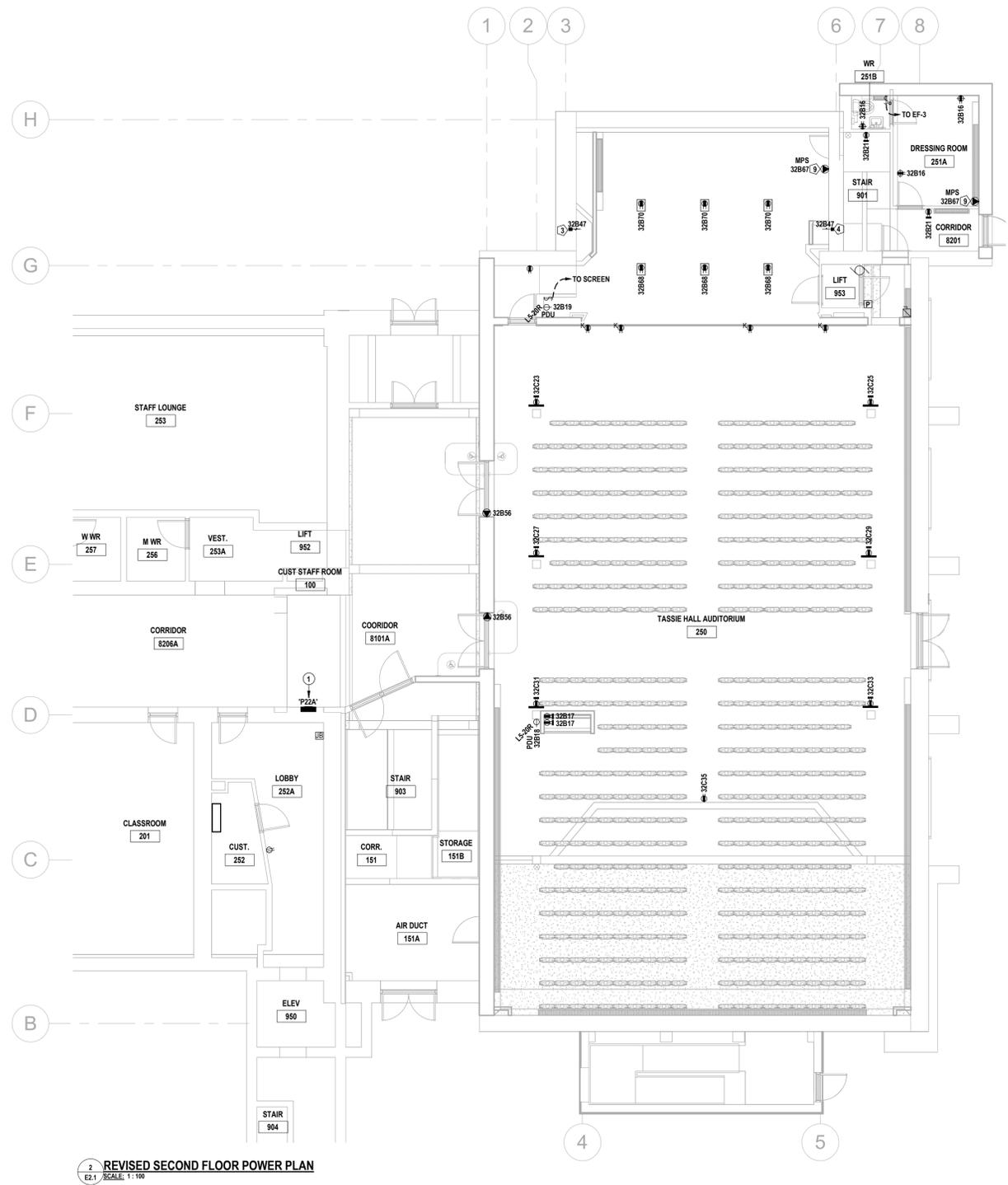
Project No.:	25067	Checked By:	A.W.G.
Drawn By:	A.T.		



**E1.5**

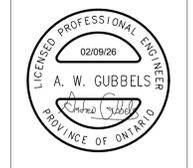


1 REVISED FIRST FLOOR POWER PLAN  
E2.1 SCALE: 1:100



2 REVISED SECOND FLOOR POWER PLAN  
E2.1 SCALE: 1:100

- REVISED DRAWING NOTES**
- 1 PROVIDE POWER DISTRIBUTION.  
• REFER TO SINGLE LINE DIAGRAMS.  
• REFER TO CONSTRUCTION PHASING.
  - 2 PROVIDE FREEZE PROTECTION HEAT TRACE.  
• INSTALL CABLING IN THE EQUIPMENT PAN & AROUND THE DRAIN PIPING PRIOR TO INSULATION WRAP.  
• PROVIDE RELAYS & AMBIENT SENSING THERMOSTAT FOR CONTROL.
  - 3 PROVIDE STRUT (NOT INDICATED) ANCHORED FROM FLOOR TO CEILING TO SUPPORT EQUIPMENT BRANCH FEEDERS, ETC.
  - 4 PROVIDE EMERGENCY LIGHTING POWER SUPPLY.  
• PROVIDE AC BRANCH WIRING TO REMOTE EMERGENCY LUMINAIRES AS CIRCUITED.  
• PROVIDE STRUT MOUNTING SHELF.
  - 5 PROVIDE BOX & WIRING FOR FUTURE AUDIBLE-VISUAL SIGNAL DEVICE.
  - 6 PROVIDE CLEARLY LABELED FIRE ALARM RELAYS & CONNECTIONS TO THE FOLLOWING:  
• ACCESS CONTROLS, RATED POWER-OPERATED DOORS, HOLD-OPEN DEVICES OR FIRE SMOKE DAMPERS. COORDINATE WITH DIVISION 28 SUBCONTRACTORS.  
• AUDIO/VIDEO EQUIPMENT. COORDINATE WITH DIVISION 27 SUBCONTRACTOR.  
• MECHANICAL EQUIPMENT. COORDINATE WITH DIVISION 21 & 23 SUBCONTRACTORS.  
REFER TO APPLICABLE SCHEMATICS.
  - 7 CONNECT TO ROOM LIGHTING BRANCH CIRCUIT, UPSTREAM OF CONTROLS.
  - 8 RECOMMENDED ROUTE OF NEW FEEDERS, DETERMINE OPTIMAL ROUTE ON-SITE.  
• MAINTAIN EXIT STAIR INTEGRITY. RATED BULKHEAD(S) PROVIDED BY DIVISION 01.  
• COORDINATE TO SUIT NEW DIVISION 23 ATTIC INSTALLATIONS.  
• PROVIDE CONDUIT SUPPORTS & PERSONNEL PLATFORMS/CATWALKS AS REQUIRED FOR WORK IN THE ATTIC.  
• FIRE STOP ALL RATED PENETRATIONS.
  - 9 COORDINATE WITH DIVISION 01 TO PROVIDE NEW ATTIC OPENING TO HALL 250. PROVIDE MOUNTING ENCLOSURE & CEILING GRILLE TO MATCH EXISTING. EXTEND PERSONNEL PLATFORMS/CATWALKS AS REQUIRED.
  - 10 PROVIDE DUCT-TYPE SMOKE DETECTOR ASSEMBLY.  
• INSTALL DETECTOR ON SIDE OF SUPPLY DUCT.  
• INSTALL SAMPLING TUBES UPSTREAM OF BRANCH DUCTS. CONFIRM DUCT DIMENSIONS PRIOR TO ORDERING.  
• PROVIDE RELAY, WIRING & REMOTE LED.  
• ZONE INDEPENDENTLY & PROGRAM SUCH THAT ACTIVATION OF THE DUCT DETECTOR WILL DE-ENERGIZE THE AIR HANDLING UNIT.
  - 11 PROVIDE AN ADDRESSABLE POWER SUPPLY (APS).  
• PROVIDE WIRING TO SIGNALING DEVICES WITHIN THE WORK AREAS.  
• PROVIDE WIRING TO ANCLARY DEVICES WITHIN THE WORK AREAS.  
• PROVIDE BRANCH WIRING FROM NEW 15A-1P, RED, LOCKABLE BREAKER IN ADJACENT SQUARE D NO 1P-R.
  - 12 AUDIO/VIDEO (AV) & ASSISTIVE LISTENING (AL) EQUIPMENT PROVIDED UNDER ALLOWANCE.  
• PROVIDE POWER & PATHWAYS INCLUDING JUNCTION BOXES (NOT SHOWN), TERMINATION BOXES/TROUSERS, ETC. TO FIELD DEVICES (SPEAKERS, MICROPHONES, MIXERS, PROJECTOR, VIDEO TRANSCODERS, ETC.).  
• DASHED LINES REPRESENT SUGGESTED CONDUIT ROUTES.  
• REFER TO SHERWOOD SYSTEMS DESIGN PACKAGE FOR QUANTITIES, LAYOUTS & ADDITIONAL DETAIL.
- SEPARATE PRICE**  
INDICATE ON THE BID FORM A PRICE FOR ALL MATERIAL & LABOUR ASSOCIATED WITH THE FOLLOWING:  
• DELETION OF THE EXISTING TECK FEEDERS BETWEEN DP-BBB & 'STL'.  
• PROVISION OF 4#30 190 IN 53 EMT BETWEEN DP-BBB & P32B.
- SPRINKLERED FLOOR AREAS**  
NEW HEAT DETECTORS ARE NOT REQUIRED DUE TO THE PROVISION OF AN AUTOMATIC SPRINKLER SYSTEM.
- COMMUNICATIONS & SECURITY PATHWAYS**  
PROVIDE RECESSED OUTLET BOXES FOR ALL INDICATED DEVICES.  
PROVIDE CONDUITS TO THE NEAREST ACCESSIBLE CEILING, HANGER, CABLE TRAY OR PULL BOX.  
• 1x21 CONDUIT FROM EACH BOX (BY DEFAULT).  
• 1x27 CONDUIT FROM EACH BOX WITH MORE THAN TWO DATA DROPS & FROM EACH AUDIO/VIDEO BOX.  
• PULL TAPES & PLASTIC BUSHINGS FOR ALL CONDUITS & SLEEVES.  
PROVIDE SLEEVES (S) WITH THE DIAMETER OUTLINED.  
• EMT SLEEVES (BY DEFAULT).  
• RE-PENETRABLE (RP) SLEEVES WHERE OUTLINED.  
• SELF-SEALING (SS) WHERE OUTLINED.  
PROVIDE SUSPENDED CABLE TRAYS. BOND. REFER TO DETAILS.  
PROVIDE CABLE HANGERS. REFER TO DETAIL.
- ACCESS CONTROLLED OPENINGS**  
AT EACH CONTROLLED OPENING, PROVIDE THE FOLLOWING CONDUITS (NOT INDICATED) FROM A CLEARLY LABELED BOX (AFC) FOR ACCESS CONTROL CABLING INSTALLATIONS:  
1x16 TO EACH OF THE FOLLOWING WHERE APPLICABLE:  
• MULLION MORTAR BOX FOR CURRENT TRANSFERS(S).  
• DOOR HEADER.  
• AUTO OPERATOR.  
• DAY-NIGHT-OFF KEY SWITCH.  
• DOOR CONTACT(S).  
• ELECTRIC EGRESS DEVICE/DOOR STRIKE.  
1x21 TO A SINGLE GANG BOX, UNLESS OTHERWISE SPECIFIED, FOR EACH OF THE FOLLOWING RECESSED DEVICES WHERE INDICATED:  
• DOOR OPERATOR PUSH BUTTONS.  
• PROXIMITY READERS.  
• PUSH TO LOCK BUTTONS.  
• OCCUPANCY INDICATORS.  
REFER TO DOOR ELEVATION DRAWINGS.



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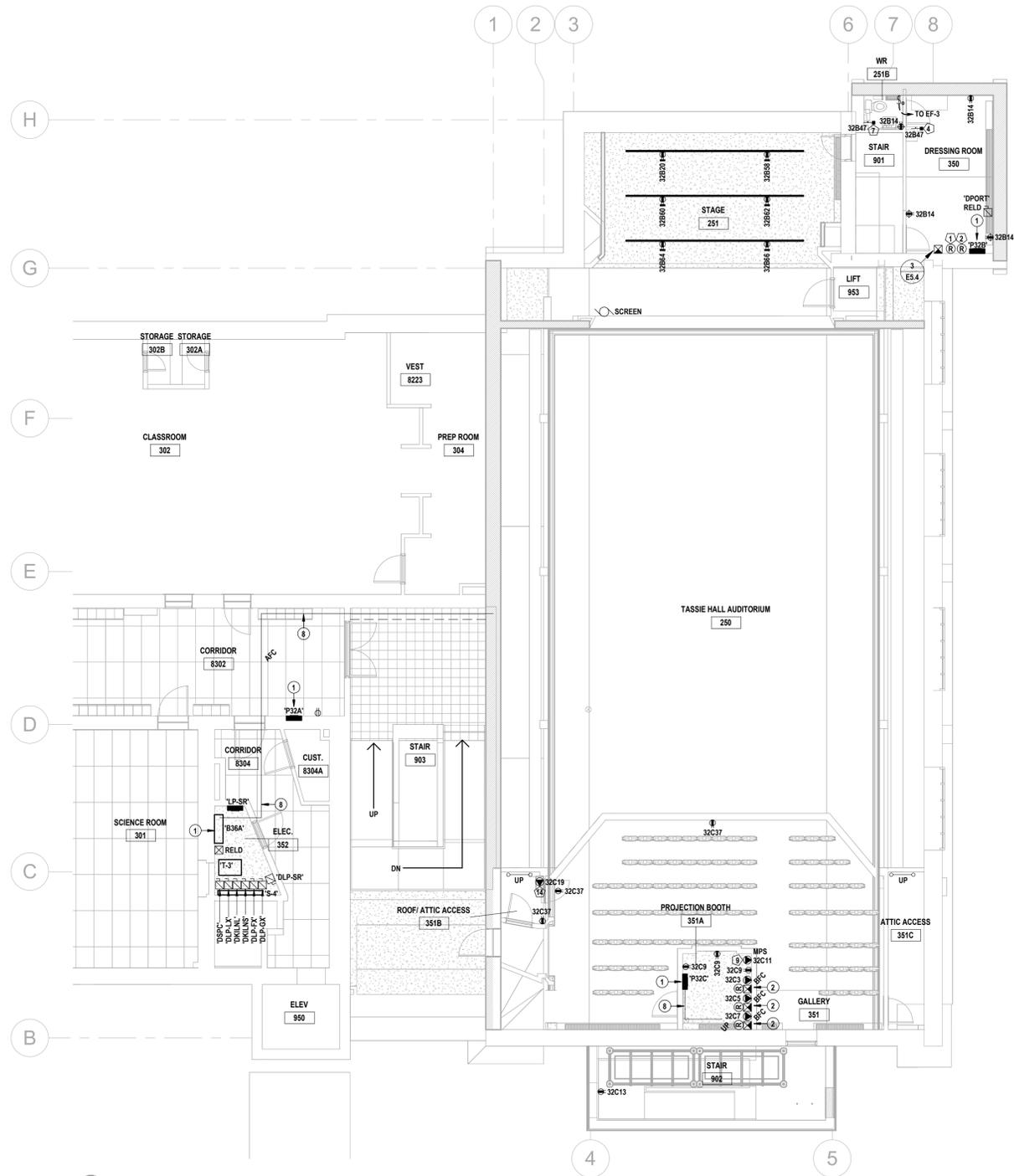


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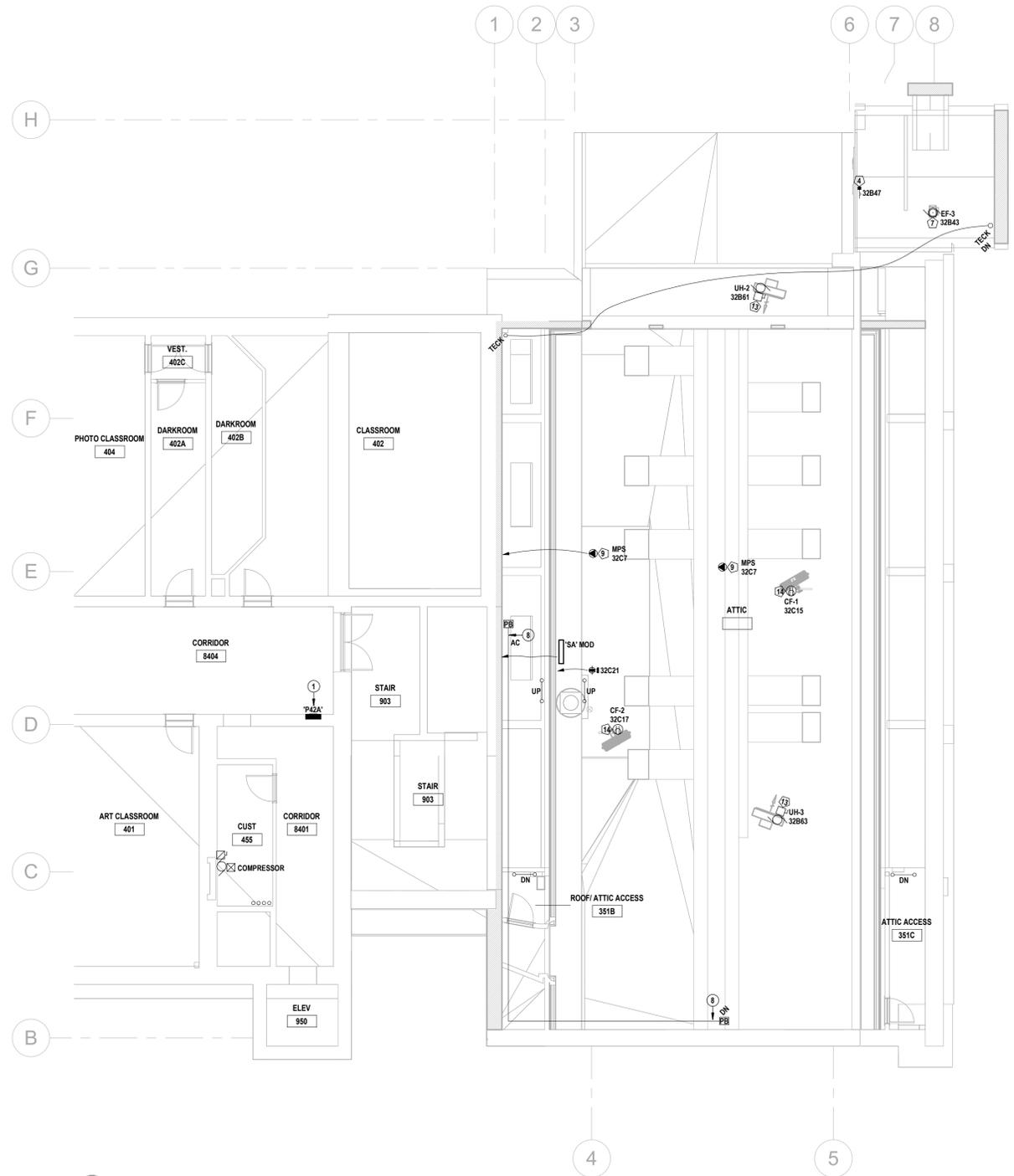
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Checked By: A.W.G.

REVISED POWER PLANS



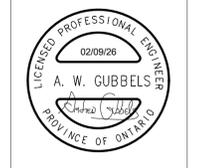


1 REVISED THIRD FLOOR POWER PLAN  
E2.2 SCALE: 1:100



2 REVISED FOURTH FLOOR POWER PLAN  
E2.2 SCALE: 1:100

- REVISED DRAWING NOTES**
- 1 PROVIDE POWER DISTRIBUTION.
    - REFER TO SINGLE LINE DIAGRAMS.
    - REFER TO CONSTRUCTION PHASING.
  - 2 PROVIDE FREEZE PROTECTION HEAT TRACE.
    - INSTALL CABLING IN THE EQUIPMENT PAN & AROUND THE DRAIN PIPING PRIOR TO INSULATION WRAP.
    - PROVIDE RELAYS & AMBIENT SENSING THERMOSTAT FOR CONTROL.
  - 3 PROVIDE STRUT (NOT INDICATED) ANCHORED FROM FLOOR TO CEILING TO SUPPORT EQUIPMENT BRANCH FEEDERS, ETC.
  - 4 PROVIDE EMERGENCY LIGHTING POWER SUPPLY.
    - PROVIDE AC BRANCH WIRING TO REMOTE EMERGENCY LUMINAIRES AS CIRCUITED.
    - PROVIDE STRUT MOUNTING SHELF.
  - 5 PROVIDE BOX & WIRING FOR FUTURE AUDIBLE-VISUAL SIGNAL DEVICE.
  - 6 PROVIDE CLEARLY LABELED FIRE ALARM RELAYS & CONNECTIONS TO THE FOLLOWING:
    - ACCESS CONTROLS, RATED POWER-OPERATED DOORS, HOLD-OPEN DEVICES OR FIRE SMOKE DAMPERS. COORDINATE WITH DIVISION 28 SUBCONTRACTORS.
    - AUDIO/VIDEO EQUIPMENT. COORDINATE WITH DIVISION 27 SUBCONTRACTOR.
    - MECHANICAL EQUIPMENT. COORDINATE WITH DIVISION 21 & 23 SUBCONTRACTORS. REFER TO APPLICABLE SCHEMATICS.
  - 7 CONNECT TO ROOM LIGHTING BRANCH CIRCUIT, UPSTREAM OF CONTROLS.
  - 8 RECOMMENDED ROUTE OF NEW FEEDERS. DETERMINE OPTIMAL ROUTE ON-SITE.
    - MAINTAIN EXIT STAIR INTEGRITY. RATED BULKHEAD(S) PROVIDED BY DIVISION 01.
    - COORDINATE TO SUIT NEW DIVISION 23 ATTIC INSTALLATIONS.
    - PROVIDE CONDUIT SUPPORTS & PERSONNEL PLATFORMS/CATWALKS AS REQUIRED FOR WORK IN THE ATTIC.
    - FIRE STOP ALL RATED PENETRATIONS.
  - 9 COORDINATE WITH DIVISION 01 TO PROVIDE NEW ATTIC OPENING TO HALL 250. PROVIDE MOUNTING ENCLOSURE & CEILING GRILLE TO MATCH EXISTING. EXTEND PERSONNEL PLATFORMS/CATWALKS AS REQUIRED.
  - 10 PROVIDE DUCT-TYPE SMOKE DETECTOR ASSEMBLY.
    - INSTALL DETECTOR ON SIDE OF SUPPLY DUCT.
    - INSTALL SAMPLING TUBES UPSTREAM OF BRANCH DUCTS. CONFIRM DUCT DIMENSIONS PRIOR TO ORDERING.
    - PROVIDE RELAY, WIRING & REMOTE LED.
    - ZONE INDEPENDENTLY & PROGRAM SUCH THAT ACTIVATION OF THE DUCT DETECTOR WILL DE-ENERGIZE THE AIR HANDLING UNIT.
  - 11 PROVIDE AN ADDRESSABLE POWER SUPPLY (APS).
    - PROVIDE WIRING TO SIGNALING DEVICES WITHIN THE WORK AREAS.
    - PROVIDE WIRING TO ANCILLARY DEVICES WITHIN THE WORK AREAS.
    - PROVIDE BRANCH WIRING FROM NEW 15A-1P, RED, LOCKABLE BREAKER IN ADJACENT SQUARE D NO LP-R.
  - 12 AUDIO-VIDEO (AV) & ASSISTIVE LISTENING (AL) EQUIPMENT PROVIDED UNDER ALLOWANCE.
    - PROVIDE POWER & PATHWAYS INCLUDING JUNCTION BOXES (NOT SHOWN), TERMINATION BOXES/TROUSERS, ETC. TO FIELD DEVICES (SPEAKERS, MICROPHONES, MIXERS, PROJECTOR, VIDEO TRANSCODERS, ETC.).
    - DASHED LINES REPRESENT SUGGESTED CONDUIT ROUTES.
    - REFER TO SHERWOOD SYSTEMS DESIGN PACKAGE FOR QUANTITIES, LAYOUTS & ADDITIONAL DETAIL.
- SEPARATE PRICE**  
INDICATE ON THE BID FORM A PRICE FOR ALL MATERIAL & LABOUR ASSOCIATED WITH THE FOLLOWING:  
 • DELETION OF THE EXISTING TECK FEEDERS BETWEEN 'DP-BBB' & 'STL'.  
 • PROVISION OF 4#30 T90 IN 53 EMT BETWEEN 'DP-BBB' & 'P32B'.
- SPRINKLERED FLOOR AREAS**  
NEW HEAT DETECTORS ARE NOT REQUIRED DUE TO THE PROVISION OF AN AUTOMATIC SPRINKLER SYSTEM.
- COMMUNICATIONS & SECURITY PATHWAYS**  
PROVIDE RECESSED OUTLET BOXES FOR ALL INDICATED DEVICES. PROVIDE CONDUITS TO THE NEAREST ACCESSIBLE CEILING, HANGER, CABLE TRAY OR PULL BOX.  
 • 1/2" CONDUIT FROM EACH BOX (BY DEFAULT).  
 • 1/2" CONDUIT FROM EACH BOX WITH MORE THAN TWO DATA DROPS & FROM EACH AUDIO/VIDEO BOX.  
 • PULL TAPES & PLASTIC BUSHINGS FOR ALL CONDUITS & SLEEVES. PROVIDE SLEEVES (S) WITH THE DIAMETER OUTLINED.  
 • EMT SLEEVES (BY DEFAULT).  
 • RE-PENETRABLE (RP) SLEEVES WHERE OUTLINED.  
 • SELF-SEALING (SS) WHERE OUTLINED.  
 PROVIDE SUSPENDED CABLE TRAYS. BOND. REFER TO DETAILS. PROVIDE CABLE HANGERS. REFER TO DETAIL.
- ACCESS CONTROLLED OPENINGS**  
AT EACH CONTROLLED OPENING, PROVIDE THE FOLLOWING CONDUITS (NOT INDICATED) FROM A CLEARLY LABELED BOX (AP, FOR ACCESS CONTROL CABLING INSTALLATIONS):  
 1x16 TO EACH OF THE FOLLOWING WHERE APPLICABLE:  
 • MILLION MORTAR BOX FOR CURRENT TRANSFERS(S).  
 • DOOR HEADER.  
 • AUTO OPERATOR.  
 • DAY-NIGHT-OFF KEY SWITCH.  
 • DOOR CONTACT(S).  
 • ELECTRIC EGRESS DEVICE/DOOR STRIKE.  
 1x21 TO A SINGLE GANG BOX, UNLESS OTHERWISE SPECIFIED, FOR EACH OF THE FOLLOWING RECESSED DEVICES WHERE INDICATED:  
 • DOOR OPERATOR PUSH BUTTONS.  
 • PROXIMITY READERS.  
 • PUSH TO LOCK BUTTONS.  
 • OCCUPANCY INDICATORS.  
 REFER TO DOOR ELEVATION DRAWINGS.



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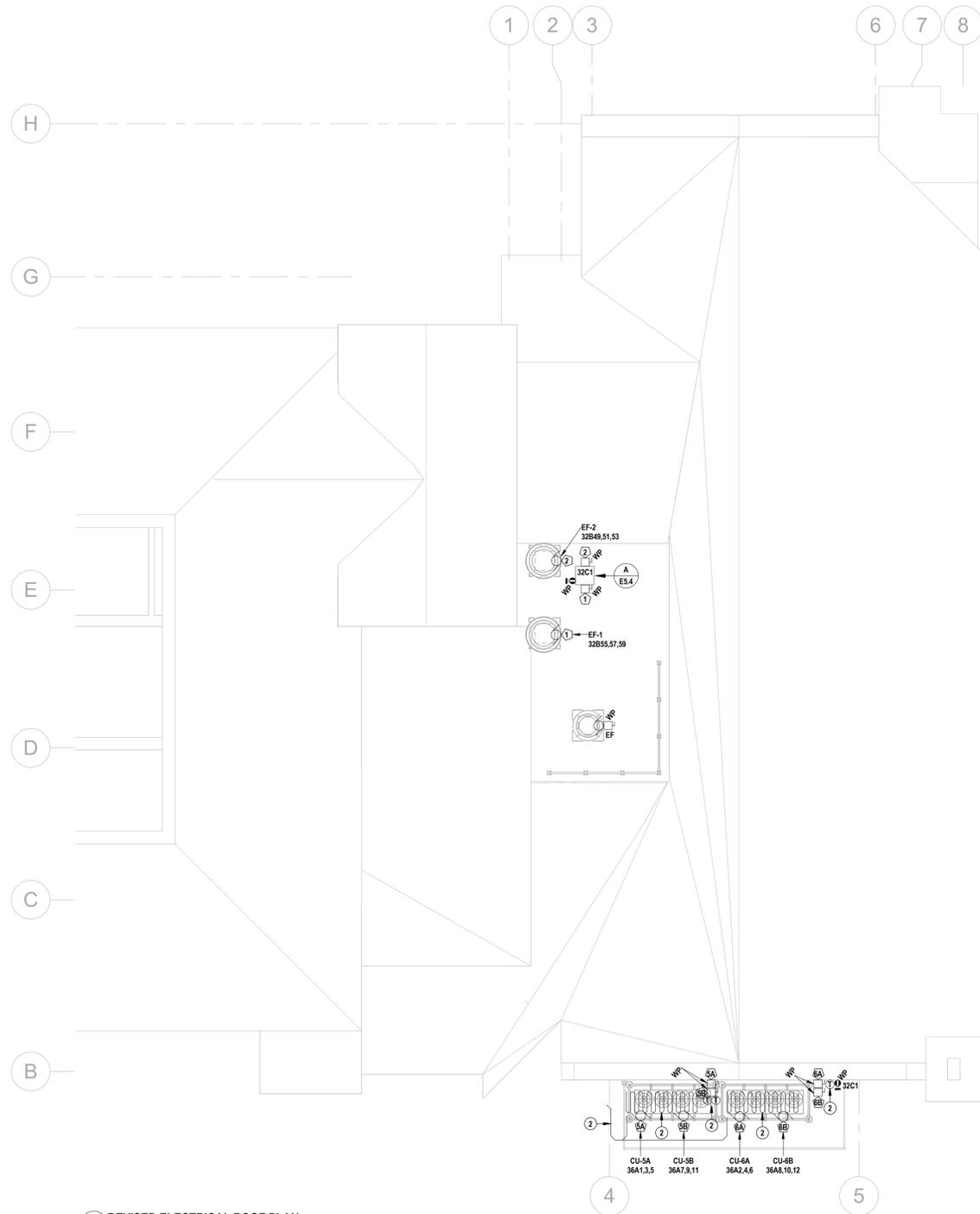
**Galt Collegiate Institute**  
Tassie Hall Upgrade

200 Water Street North, Cambridge, ON

Project No.: 25067  
Checked By: A.W.G.  
Drawn By: A.T.

**REVISED POWER PLANS**





**1** REVISED ELECTRICAL ROOF PLAN  
E2.3 SCALE: 1/100

- | REVISED DRAWING NOTES  |  |
|--|--|
| 1  | <ul style="list-style-type: none"> <li>PROVIDE POWER DISTRIBUTION.</li> <li>REFER TO SINGLE LINE DIAGRAMS.</li> <li>REFER TO CONSTRUCTION PHASING.</li> </ul>  |
| 2  | <ul style="list-style-type: none"> <li>PROVIDE FREEZE PROTECTION HEAT TRACE.</li> <li>INSTALL CABLING IN THE EQUIPMENT PAN &amp; AROUND THE DRAIN PIPING PRIOR TO INSULATION WRAP.</li> <li>PROVIDE RELAYS &amp; AMBIENT SENSING THERMOSTAT FOR CONTROL.</li> </ul>  |
| 3  | <ul style="list-style-type: none"> <li>PROVIDE STRUT (NOT INDICATED) ANCHORED FROM FLOOR TO CEILING TO SUPPORT EQUIPMENT BRANCH FEEDERS, ETC.</li> </ul>   |
| 4  | <ul style="list-style-type: none"> <li>PROVIDE EMERGENCY LIGHTING POWER SUPPLY.</li> <li>PROVIDE AC BRANCH WIRING TO REMOTE EMERGENCY LUMINAIRES AS CIRCUITED.</li> <li>PROVIDE STRUT MOUNTING SHELF.</li> </ul>   |
| 5  | <ul style="list-style-type: none"> <li>PROVIDE BOX &amp; WIRING FOR FUTURE AUDIBLE-VISUAL SIGNAL DEVICE.</li> </ul>  |
| 6  | <ul style="list-style-type: none"> <li>PROVIDE CLEARLY LABELED FIRE ALARM RELAYS &amp; CONNECTIONS TO THE FOLLOWING: <ul style="list-style-type: none"> <li>ACCESS CONTROLS, RATED POWER-OPERATED DOORS, HOLD-OPEN DEVICES OR FIRE SMOKE DAMPERS. COORDINATE WITH DIVISION 28 SUBCONTRACTORS.</li> <li>AUDIO/VIDEO EQUIPMENT. COORDINATE WITH DIVISION 27 SUBCONTRACTOR.</li> <li>MECHANICAL EQUIPMENT. COORDINATE WITH DIVISION 21 &amp; 23 SUBCONTRACTORS.</li> </ul> </li> <li>REFER TO APPLICABLE SCHEMATICS.</li> </ul> |
| 7  | <ul style="list-style-type: none"> <li>CONNECT TO ROOM LIGHTING BRANCH CIRCUIT, UPSTREAM OF CONTROLS.</li> </ul>   |
| 8  | <ul style="list-style-type: none"> <li>RECOMMENDED ROUTE OF NEW FEEDERS. DETERMINE OPTIMAL ROUTE ON-SITE.</li> <li>MAINTAIN EXIT STAIR INTEGRITY. RATED BULKHEAD(S) PROVIDED BY DIVISION 01.</li> <li>COORDINATE TO SUIT NEW DIVISION 23 ATTIC INSTALLATIONS.</li> <li>PROVIDE CONDUIT SUPPORTS &amp; PERSONNEL PLATFORMS/CATWALKS AS REQUIRED FOR WORK IN THE ATTIC.</li> <li>FIRE STOP ALL RATED PENETRATIONS.</li> </ul>  |
| 9  | <ul style="list-style-type: none"> <li>COORDINATE WITH DIVISION 01 TO PROVIDE NEW ATTIC OPENING TO HALL 250. PROVIDE MOUNTING ENCLOSURE &amp; CEILING GRILLE TO MATCH EXISTING. EXTEND PERSONNEL PLATFORMS/CATWALKS AS REQUIRED.</li> </ul>  |
| 10   | <ul style="list-style-type: none"> <li>PROVIDE DUCT-TYPE SMOKE DETECTOR ASSEMBLY.</li> <li>INSTALL DETECTOR ON SIDE OF SUPPLY DUCT.</li> <li>INSTALL SAMPLING TUBES UPSTREAM OF BRANCH DUCTS. CONFIRM DUCT DIMENSIONS PRIOR TO ORDERING.</li> <li>PROVIDE RELAY, WIRING &amp; REMOTE LED.</li> <li>ZONE INDEPENDENTLY &amp; PROGRAM SUCH THAT ACTIVATION OF THE DUCT DETECTOR WILL DE-ENERGIZE THE AIR HANDLING UNIT.</li> </ul>   |
| 11   | <ul style="list-style-type: none"> <li>PROVIDE AN ADDRESSABLE POWER SUPPLY (APS).</li> <li>PROVIDE WIRING TO SIGNALING DEVICES WITHIN THE WORK AREAS.</li> <li>PROVIDE WIRING TO ANCILLARY DEVICES WITHIN THE WORK AREAS.</li> <li>PROVIDE BRANCH WIRING FROM NEW 15A-1P, RED, LOCKABLE BREAKER IN ADJACENT SQUARE D NO LP-R.</li> </ul>   |
| 12   | <ul style="list-style-type: none"> <li>AUDIO-VIDEO (AV) &amp; ASSISTIVE LISTENING (AL) EQUIPMENT PROVIDED UNDER ALLOWANCE.</li> <li>PROVIDE POWER &amp; PATHWAYS INCLUDING JUNCTION BOXES (NOT SHOWN), TERMINATION BOXES/TROUSERS, ETC. TO FIELD DEVICES (SPEAKERS, MICROPHONES, MIXERS, PROJECTOR, VIDEO TRANSCODERS, ETC.).</li> <li>DASHED LINES REPRESENT SUGGESTED CONDUIT ROUTES.</li> <li>REFER TO SHERWOOD SYSTEMS DESIGN PACKAGE FOR QUANTITIES, LAYOUTS &amp; ADDITIONAL DETAIL.</li> </ul>                        |
| <p><b>SEPARATE PRICE</b><br/>INDICATE ON THE BID FORM A PRICE FOR ALL MATERIAL &amp; LABOUR ASSOCIATED WITH THE FOLLOWING:</p> <ul style="list-style-type: none"> <li>DELETION OF THE EXISTING TECK FEEDERS BETWEEN DP-BBB &amp; STL.</li> <li>PROVISION OF 4#30 T90 IN S3 EMT BETWEEN DP-BBB &amp; P32B.</li> </ul> <p><b>SPRINKLERED FLOOR AREAS</b><br/>NEW HEAT DETECTORS ARE NOT REQUIRED DUE TO THE PROVISION OF AN AUTOMATIC SPRINKLER SYSTEM.</p> <p><b>COMMUNICATIONS &amp; SECURITY PATHWAYS</b><br/>PROVIDE RECESSED OUTLET BOXES FOR ALL INDICATED DEVICES. PROVIDE CONDUITS TO THE NEAREST ACCESSIBLE CEILING, HANGER, CABLE TRAY OR PULL BOX.</p> <ul style="list-style-type: none"> <li>1x21 CONDUIT FROM EACH BOX (BY DEFAULT).</li> <li>1x27 CONDUIT FROM EACH BOX WITH MORE THAN TWO DATA DROPS &amp; FROM EACH AUDIO/VIDEO BOX.</li> <li>PULL TAPES &amp; PLASTIC BUSHINGS FOR ALL CONDUITS &amp; SLEEVES. PROVIDE SLEEVES (S) WITH THE DIAMETER OUTLINED.</li> <li>EMT SLEEVES (BY DEFAULT).</li> <li>RE-PENETRABLE (RP) SLEEVES WHERE OUTLINED.</li> <li>SELF-SEALING (SS) WHERE OUTLINED.</li> <li>PROVIDE SUSPENDED CABLE TRAYS. BOND. REFER TO DETAILS.</li> <li>PROVIDE CABLE HANGERS. REFER TO DETAIL.</li> </ul> <p><b>ACCESS CONTROLLED OPENINGS</b><br/>AT EACH CONTROLLED OPENING, PROVIDE THE FOLLOWING CONDUITS (NOT INDICATED) FROM A CLEARLY LABELED BOX AFG, FOR ACCESS CONTROL CABLING INSTALLATIONS:</p> <ul style="list-style-type: none"> <li>1x16 TO EACH OF THE FOLLOWING WHERE APPLICABLE: <ul style="list-style-type: none"> <li>MULLION MORTAR BOX FOR CURRENT TRANSFERS(S).</li> <li>DOOR HEADER.</li> <li>AUTO OPERATOR.</li> <li>DAY-NIGHT-OFF KEY SWITCH.</li> <li>DOOR CONTACT(S).</li> <li>ELECTRIC EGRESS DEVICE/DOOR STRIKE.</li> </ul> </li> <li>1x21 TO A SINGLE GANG BOX UNLESS OTHERWISE SPECIFIED. FOR EACH OF THE FOLLOWING RECESSED DEVICES WHERE INDICATED: <ul style="list-style-type: none"> <li>DOOR OPERATOR PUSH BUTTONS.</li> <li>PROXIMITY READERS.</li> <li>PUSH TO LOCK BUTTONS.</li> <li>OCCUPANCY INDICATORS.</li> </ul> </li> <li>REFER TO DOOR ELEVATION DRAWINGS.</li> </ul> |  |



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2025-11-07	ISSUED FOR COORDINATION	A.W.G.
2025-12-17	ISSUED FOR COORDINATION	A.W.G.
2026-02-11	ISSUED FOR BID	A.W.G.

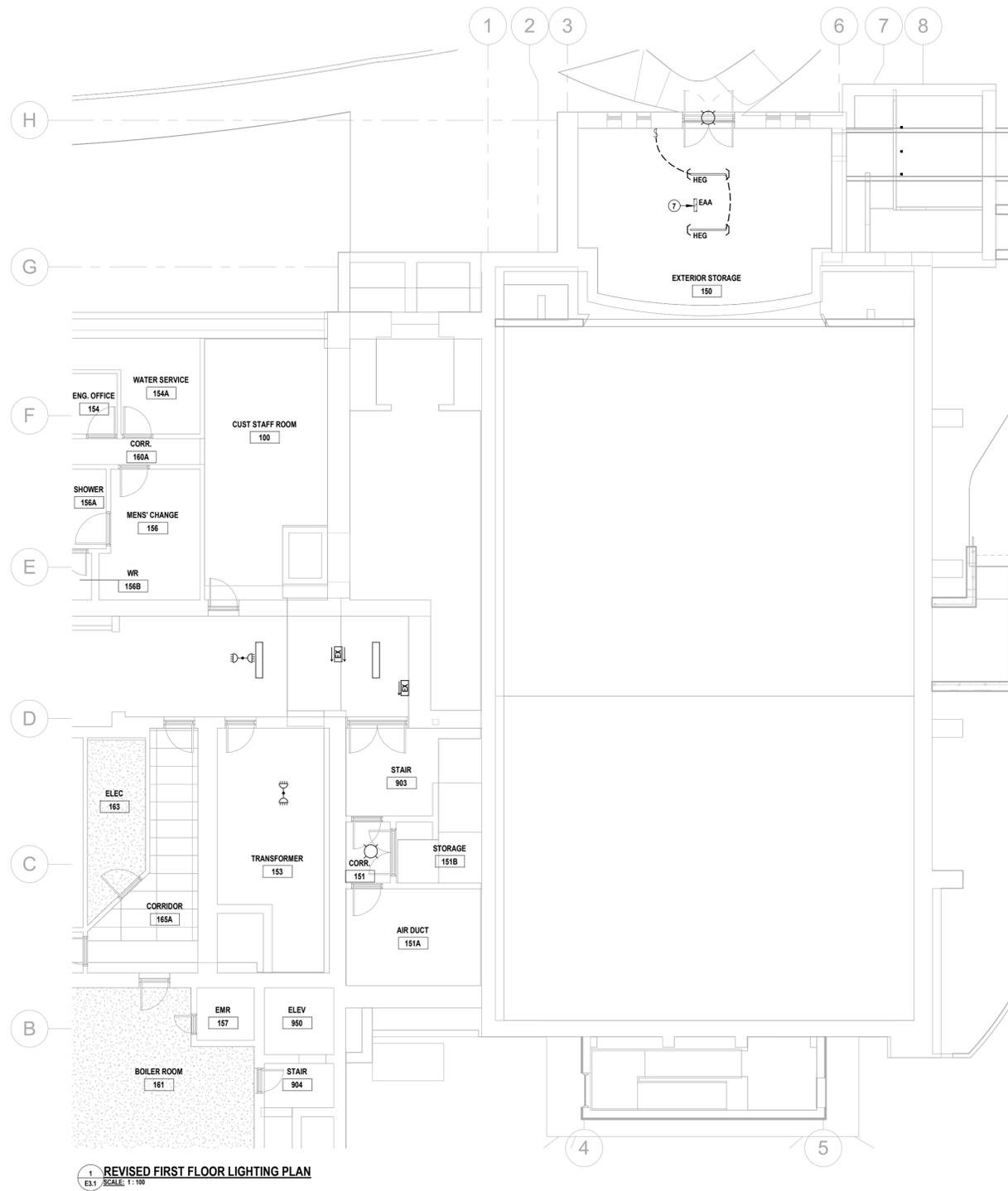


**Galt Collegiate Institute**  
200 Water Street North, Cambridge, ON  
Tassie Hall Upgrade  
REVISED ELECTRICAL ROOF PLAN

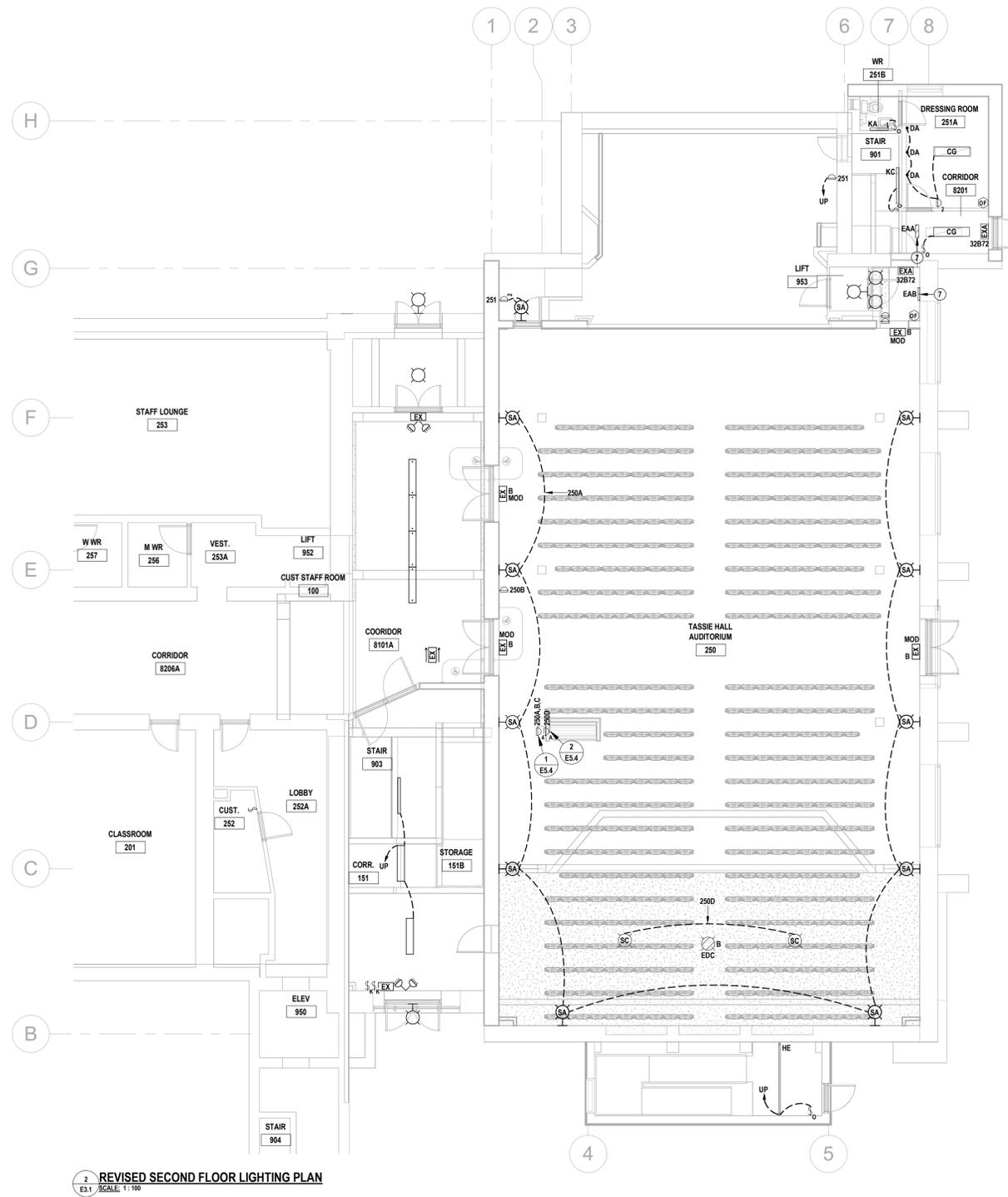
Project No.:	25067	Checked By:	A.W.G.
Drawn By:	A.T.		



**E2.3**



1 REVISED FIRST FLOOR LIGHTING PLAN  
E3.1 SCALE: 1:100



2 REVISED SECOND FLOOR LIGHTING PLAN  
E3.1 SCALE: 1:100

**REVISED DRAWING NOTES**

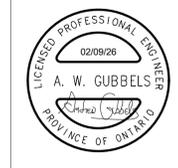
- 1 PROVIDE POWER DISTRIBUTION.  
• REFER TO SINGLE LINE DIAGRAMS.  
• REFER TO CONSTRUCTION PHASING.
- 2 PROVIDE FREEZE PROTECTION HEAT TRACE.  
• INSTALL CABLING IN THE EQUIPMENT PAN & AROUND THE DRAIN PIPING PRIOR TO INSULATION WRAP.  
• PROVIDE RELAYS & AMBIENT SENSING THERMOSTAT FOR CONTROL.
- 3 PROVIDE STRUT (NOT INDICATED) ANCHORED FROM FLOOR TO CEILING TO SUPPORT EQUIPMENT BRANCH FEEDERS, ETC.
- 4 PROVIDE EMERGENCY LIGHTING POWER SUPPLY.  
• PROVIDE AC BRANCH WIRING TO REMOTE EMERGENCY LUMINAIRES AS CIRCUITED.  
• PROVIDE STRUT MOUNTING SHELF.
- 5 PROVIDE BOX & WIRING FOR FUTURE AUDIBLE-VISUAL SIGNAL DEVICE.
- 6 PROVIDE CLEARLY LABELED FIRE ALARM RELAYS & CONNECTIONS TO THE FOLLOWING:  
• ACCESS CONTROLS, RATED POWER-OPERATED DOORS, HOLD-OPEN DEVICES OR FIRE SMOKE DAMPERS. COORDINATE WITH DIVISION 28 SUBCONTRACTORS.  
• AUDIO/VIDEO EQUIPMENT. COORDINATE WITH DIVISION 27 SUBCONTRACTOR.  
• MECHANICAL EQUIPMENT. COORDINATE WITH DIVISION 21 & 23 SUBCONTRACTORS.  
REFER TO APPLICABLE SCHEMATICS.
- 7 CONNECT TO ROOM LIGHTING BRANCH CIRCUIT, UPSTREAM OF CONTROLS.
- 8 RECOMMENDED ROUTE OF NEW FEEDERS, DETERMINE OPTIMAL ROUTE ON-SITE.  
• MAINTAIN EXIT STAIR INTEGRITY. RATED BULKHEAD(S) PROVIDED BY DIVISION 01.  
• COORDINATE TO SUIT NEW DIVISION 23 ATTIC INSTALLATIONS.  
• PROVIDE CONDUIT SUPPORTS & PERSONNEL PLATFORMS/CATWALKS AS REQUIRED FOR WORK IN THE ATTIC.  
• FIRE STOP ALL RATED PENETRATIONS.
- 9 COORDINATE WITH DIVISION 01 TO PROVIDE NEW ATTIC OPENING TO HALL 250. PROVIDE MOUNTING ENCLOSURE & CEILING GRILLE TO MATCH EXISTING. EXTEND PERSONNEL PLATFORMS/CATWALKS AS REQUIRED.
- 10 PROVIDE DUCT-TYPE SMOKE DETECTOR ASSEMBLY.  
• INSTALL DETECTOR ON SIDE OF SUPPLY DUCT.  
• INSTALL SAMPLING TUBES UPSTREAM OF BRANCH DUCTS. CONFIRM DUCT DIMENSIONS PRIOR TO ORDERING.  
• PROVIDE RELAY, WIRING & REMOTE LED.  
• ZONE INDEPENDENTLY & PROGRAM SUCH THAT ACTIVATION OF THE DUCT DETECTOR WILL DE-ENERGIZE THE AIR HANDLING UNIT.
- 11 PROVIDE AN ADDRESSABLE POWER SUPPLY (APS).  
• PROVIDE WIRING TO SIGNALING DEVICES WITHIN THE WORK AREAS.  
• PROVIDE WIRING TO ANCILLARY DEVICES WITHIN THE WORK AREAS.  
• PROVIDE BRANCH WIRING FROM NEW 15A-1P, RED, LOCKABLE BREAKER IN ADJACENT SQUARE D NO. 1P-R.
- 12 AUDIO-VIDEO (AV) & ASSISTIVE LISTENING (AL) EQUIPMENT PROVIDED UNDER ALLOWANCE.  
• PROVIDE POWER & PATHWAYS INCLUDING JUNCTION BOXES (NOT SHOWN), TERMINATION BOXES/TROUSERS, ETC. TO FIELD DEVICES (SPEAKERS, MICROPHONES, MIXERS, PROJECTOR, VIDEO TRANSCODERS, ETC.).  
• DASHED LINES REPRESENT SUGGESTED CONDUIT ROUTES.  
• REFER TO SHERWOOD SYSTEMS DESIGN PACKAGE FOR QUANTITIES, LAYOUTS & ADDITIONAL DETAIL.

**SEPARATE PRICE**  
INDICATE ON THE BID FORM A PRICE FOR ALL MATERIAL & LABOUR ASSOCIATED WITH THE FOLLOWING:  
• DELETION OF THE EXISTING TECK FEEDERS BETWEEN DP-BBB & 'STL'.  
• PROVISION OF 4#30 T90 IN 53 EMT BETWEEN DP-BBB & P32B.

**SPRINKLERED FLOOR AREAS**  
NEW HEAT DETECTORS ARE NOT REQUIRED DUE TO THE PROVISION OF AN AUTOMATIC SPRINKLER SYSTEM.

**COMMUNICATIONS & SECURITY PATHWAYS**  
PROVIDE RECESSED OUTLET BOXES FOR ALL INDICATED DEVICES. PROVIDE CONDUITS TO THE NEAREST ACCESSIBLE CEILING, HANGER, CABLE TRAY OR PULL BOX.  
• 1x21 CONDUIT FROM EACH BOX (BY DEFAULT).  
• 1x27 CONDUIT FROM EACH BOX WITH MORE THAN TWO DATA DROPS & FROM EACH AUDIO/VIDEO BOX.  
• PULL TAPES & PLASTIC BUSHINGS FOR ALL CONDUITS & SLEEVES. PROVIDE SLEEVES IF WITH THE DIAMETER OUTLINED.  
• EMT SLEEVES (BY DEFAULT).  
• RE-PENETRABLE (RP) SLEEVES WHERE OUTLINED.  
• SELF-SEALING (SS) WHERE OUTLINED.  
PROVIDE SUSPENDED CABLE TRAYS, BOND. REFER TO DETAILS. PROVIDE CABLE HANGERS. REFER TO DETAIL.

**ACCESS CONTROLLED OPENINGS**  
AT EACH CONTROLLED OPENING, PROVIDE THE FOLLOWING CONDUITS (NOT INDICATED) FROM A CLEARLY LABELED BOX AFG, FOR ACCESS CONTROL CABLING INSTALLATIONS:  
1x16 TO EACH OF THE FOLLOWING WHERE APPLICABLE:  
• MULLION MORTAR BOX FOR CURRENT TRANSFER(S).  
• DOOR HEADER.  
• AUTO OPERATOR.  
• DAY-NIGHT-OFF KEY SWITCH.  
• DOOR CONTACT(S).  
• ELECTRIC EGRESS DEVICE/DOOR STRIKE.  
1x21 TO A SINGLE GANG BOX, UNLESS OTHERWISE SPECIFIED, FOR EACH OF THE FOLLOWING RECESSED DEVICES WHERE INDICATED:  
• DOOR OPERATOR PUSH BUTTONS.  
• PROXIMITY READERS.  
• PUSH TO LOCK BUTTONS.  
• OCCUPANCY INDICATORS.  
REFER TO DOOR ELEVATION DRAWINGS.



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ISSUED FOR COORDINATION  
2024-12-17  
ISSUED FOR BID  
2024-02-11

A.W.G.  
A.W.G.  
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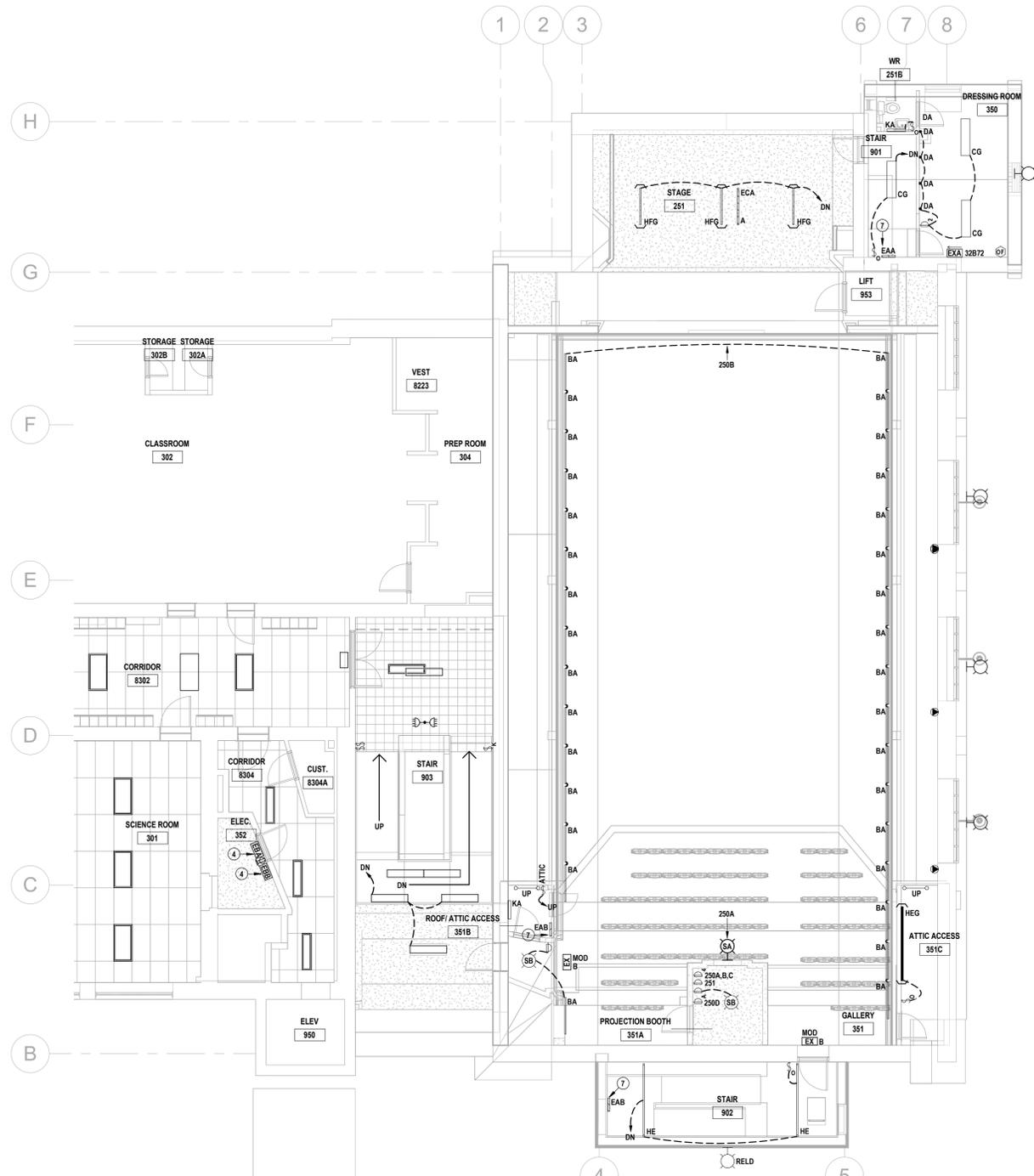


**Galt Collegiate Institute**  
Tassie Hall Upgrade  
200 Water Street North, Cambridge, ON

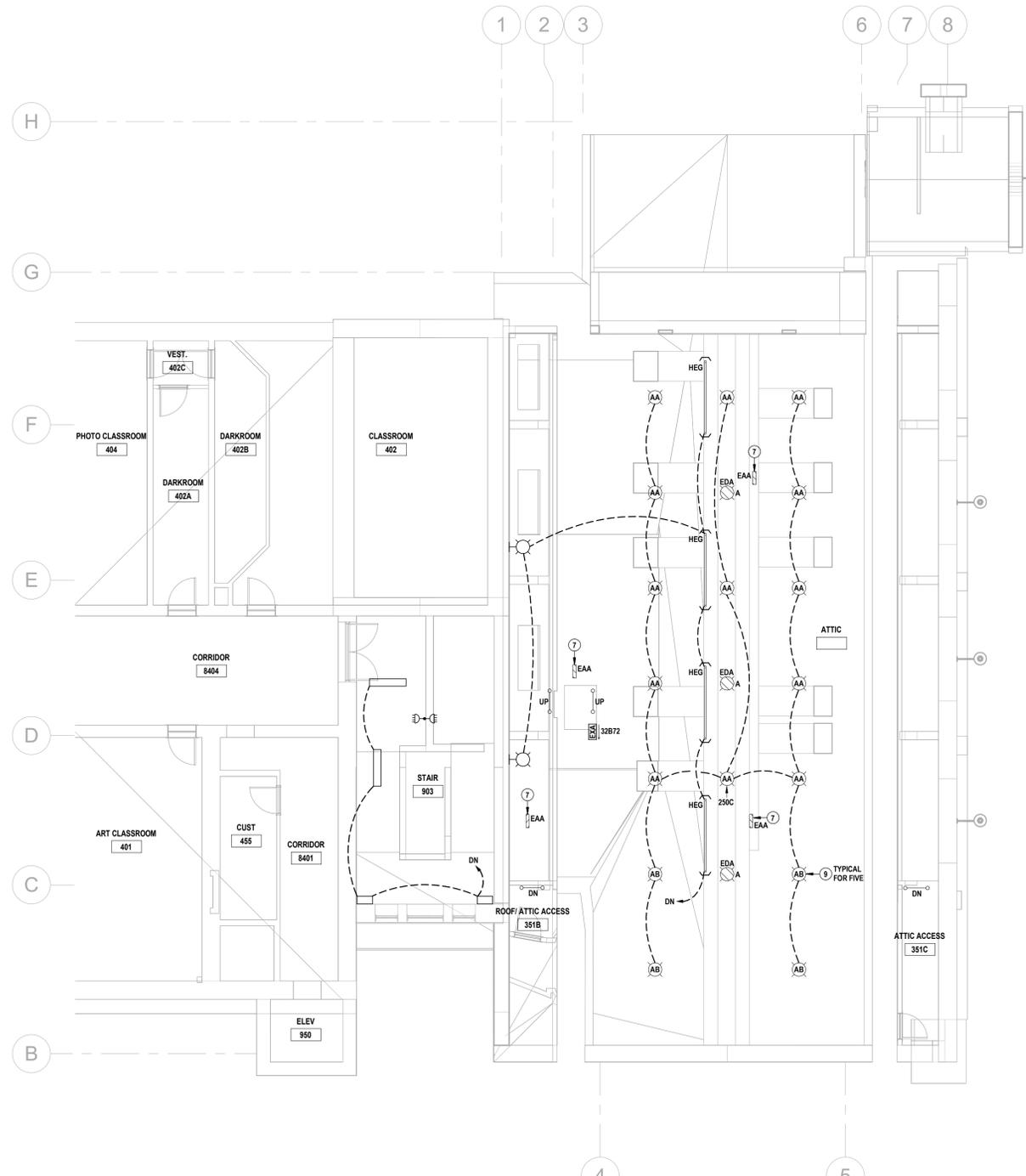
Project No.: 25067  
Drawn By: A.T.  
Checked By: A.W.G.

REVISED LIGHTING PLANS



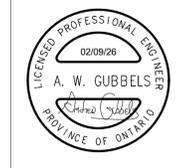


1 REVISED THIRD FLOOR LIGHTING PLAN  
E3.2 SCALE: 1:100



2 REVISED FOURTH FLOOR LIGHTING PLAN  
E3.2 SCALE: 1:100

- REVISED DRAWING NOTES**
- PROVIDE POWER DISTRIBUTION.
    - REFER TO SINGLE LINE DIAGRAMS.
    - REFER TO CONSTRUCTION PHASING.
  - PROVIDE FREEZE PROTECTION HEAT TRACE.
    - INSTALL CABLING IN THE EQUIPMENT PAN & AROUND THE DRAIN PIPING PRIOR TO INSULATION WRAP.
    - PROVIDE RELAYS & AMBIENT SENSING THERMOSTAT FOR CONTROL.
  - PROVIDE STRUT (NOT INDICATED) ANCHORED FROM FLOOR TO CEILING TO SUPPORT EQUIPMENT BRANCH FEEDERS, ETC.
  - PROVIDE EMERGENCY LIGHTING POWER SUPPLY.
    - PROVIDE AC BRANCH WIRING TO REMOTE EMERGENCY LUMINAIRES AS CIRCUITED.
    - PROVIDE STRUT MOUNTING SHELF.
  - PROVIDE BOX & WIRING FOR FUTURE AUDIBLE-VISUAL SIGNAL DEVICE.
  - PROVIDE CLEARLY LABELED FIRE ALARM RELAYS & CONNECTIONS TO THE FOLLOWING:
    - ACCESS CONTROLS, RATED POWER-OPERATED DOORS, HOLD-OPEN DEVICES OR FIRE SMOKE DAMPERS. COORDINATE WITH DIVISION 28 SUBCONTRACTORS.
    - AUDIO/VIDEO EQUIPMENT. COORDINATE WITH DIVISION 27 SUBCONTRACTOR.
    - MECHANICAL EQUIPMENT. COORDINATE WITH DIVISION 21 & 23 SUBCONTRACTORS. REFER TO APPLICABLE SCHEMATICS.
  - CONNECT TO ROOM LIGHTING BRANCH CIRCUIT, UPSTREAM OF CONTROLS.
  - RECOMMENDED ROUTE OF NEW FEEDERS. DETERMINE OPTIMAL ROUTE ON-SITE.
    - MAINTAIN EXIT STAIR INTEGRITY. RATED BULKHEAD(S) PROVIDED BY DIVISION 01.
    - COORDINATE TO SUIT NEW DIVISION 23 ATTIC INSTALLATIONS.
    - PROVIDE CONDUIT SUPPORTS & PERSONNEL PLATFORMS/CATWALKS AS REQUIRED FOR WORK IN THE ATTIC.
    - FIRE STOP ALL RATED PENETRATIONS.
  - COORDINATE WITH DIVISION 01 TO PROVIDE NEW ATTIC OPENING TO HALL 250. PROVIDE MOUNTING ENCLOSURE & CEILING GRILLE TO MATCH EXISTING. EXTEND PERSONNEL PLATFORMS/CATWALKS AS REQUIRED.
  - PROVIDE DUCT-TYPE SMOKE DETECTOR ASSEMBLY.
    - INSTALL DETECTOR ON SIDE OF SUPPLY DUCT.
    - INSTALL SAMPING TUBES UPSTREAM OF BRANCH DUCTS. CONFIRM DUCT DIMENSIONS PRIOR TO ORDERING.
    - PROVIDE RELAY WIRING & REMOTE LED.
    - ZONE INDEPENDENTLY & PROGRAM SUCH THAT ACTIVATION OF THE DUCT DETECTOR WILL DE-ENERGIZE THE AIR HANDLING UNIT.
  - PROVIDE AN ADDRESSABLE POWER SUPPLY (APS).
    - PROVIDE WIRING TO SIGNALING DEVICES WITHIN THE WORK AREAS.
    - PROVIDE WIRING TO ANCILLARY DEVICES WITHIN THE WORK AREAS.
    - PROVIDE BRANCH WIRING FROM NEW 15A-1P, RED, LOCKABLE BREAKER IN ADJACENT SQUARE D NO. LP-R.
  - AUDIO-VIDEO (AV) & ASSISTIVE LISTENING (AL) EQUIPMENT PROVIDED UNDER ALLOWANCE.
    - PROVIDE POWER & PATHWAYS INCLUDING JUNCTION BOXES (NOT SHOWN), TERMINATION BOXES/TROUSERS, ETC. TO FIELD DEVICES (SPEAKERS, MICROPHONES, MIXERS, PROJECTOR, VIDEO TRANSCODERS, ETC.).
    - DASHED LINES REPRESENT SUGGESTED CONDUIT ROUTES.
    - REFER TO SHERWOOD SYSTEMS DESIGN PACKAGE FOR QUANTITIES, LAYOUTS & ADDITIONAL DETAIL.
- SEPARATE PRICE**  
INDICATE ON THE BID FORM A PRICE FOR ALL MATERIAL & LABOUR ASSOCIATED WITH THE FOLLOWING:  
 • DELETION OF THE EXISTING TECK FEEDERS BETWEEN DP-B8B & 'STL'.  
 • PROVISION OF 4-#30 T90 IN S3 EMT BETWEEN DP-B8B & P32B.
- SPRINKLERED FLOOR AREAS**  
NEW HEAT DETECTORS ARE NOT REQUIRED DUE TO THE PROVISION OF AN AUTOMATIC SPRINKLER SYSTEM.
- COMMUNICATIONS & SECURITY PATHWAYS**  
PROVIDE RECESSED OUTLET BOXES FOR ALL INDICATED DEVICES. PROVIDE CONDUITS TO THE NEAREST ACCESSIBLE CEILING, HANGER, CABLE TRAY OR PULL BOX.  
 • 1/2" CONDUIT FROM EACH BOX (BY DEFAULT).  
 • 1/2" CONDUIT FROM EACH BOX WITH MORE THAN TWO DATA DROPS & FROM EACH AUDIO/VIDEO BOX.  
 • PULL TAPES & PLASTIC BUSHINGS FOR ALL CONDUITS & SLEEVES. PROVIDE SLEEVES (S) WITH THE DIAMETER OUTLINED.  
 • EMT SLEEVES (BY DEFAULT).  
 • RE-PENETRABLE (RP) SLEEVES WHERE OUTLINED.  
 • SELF-SEALING (SS) WHERE OUTLINED.  
 PROVIDE SUSPENDED CABLE TRAYS, BOND. REFER TO DETAILS.  
 PROVIDE CABLE HANGERS. REFER TO DETAIL.
- ACCESS CONTROLLED OPENINGS**  
AT EACH CONTROLLED OPENING, PROVIDE THE FOLLOWING CONDUITS (NOT INDICATED) FROM A CLEARLY LABELED BOX AFG, FOR ACCESS CONTROL CABLING INSTALLATIONS:  
 1/16 TO EACH OF THE FOLLOWING WHERE APPLICABLE:  
 • MULLION MORTAR BOX FOR CURRENT TRANSFERS(S).  
 • DOOR HEADER.  
 • AUTO OPERATOR.  
 • DAY-NIGHT-OFF KEY SWITCH.  
 • DOOR CONTACT(S).  
 • ELECTRIC EGRESS DEVICE/DOOR STRIKE.  
 1/2" TO A SINGLE GANG BOX, UNLESS OTHERWISE SPECIFIED, FOR EACH OF THE FOLLOWING RECESSED DEVICES WHERE INDICATED:  
 • DOOR OPERATOR PUSH BUTTONS.  
 • PROXIMITY READERS.  
 • PUSH TO LOCK BUTTONS.  
 • OCCUPANCY INDICATORS.  
 REFER TO DOOR ELEVATION DRAWINGS.



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2024-12-17  
2024-02-11  
ISSUED FOR BID

A.W.G.  
A.W.G.  
A.W.G.



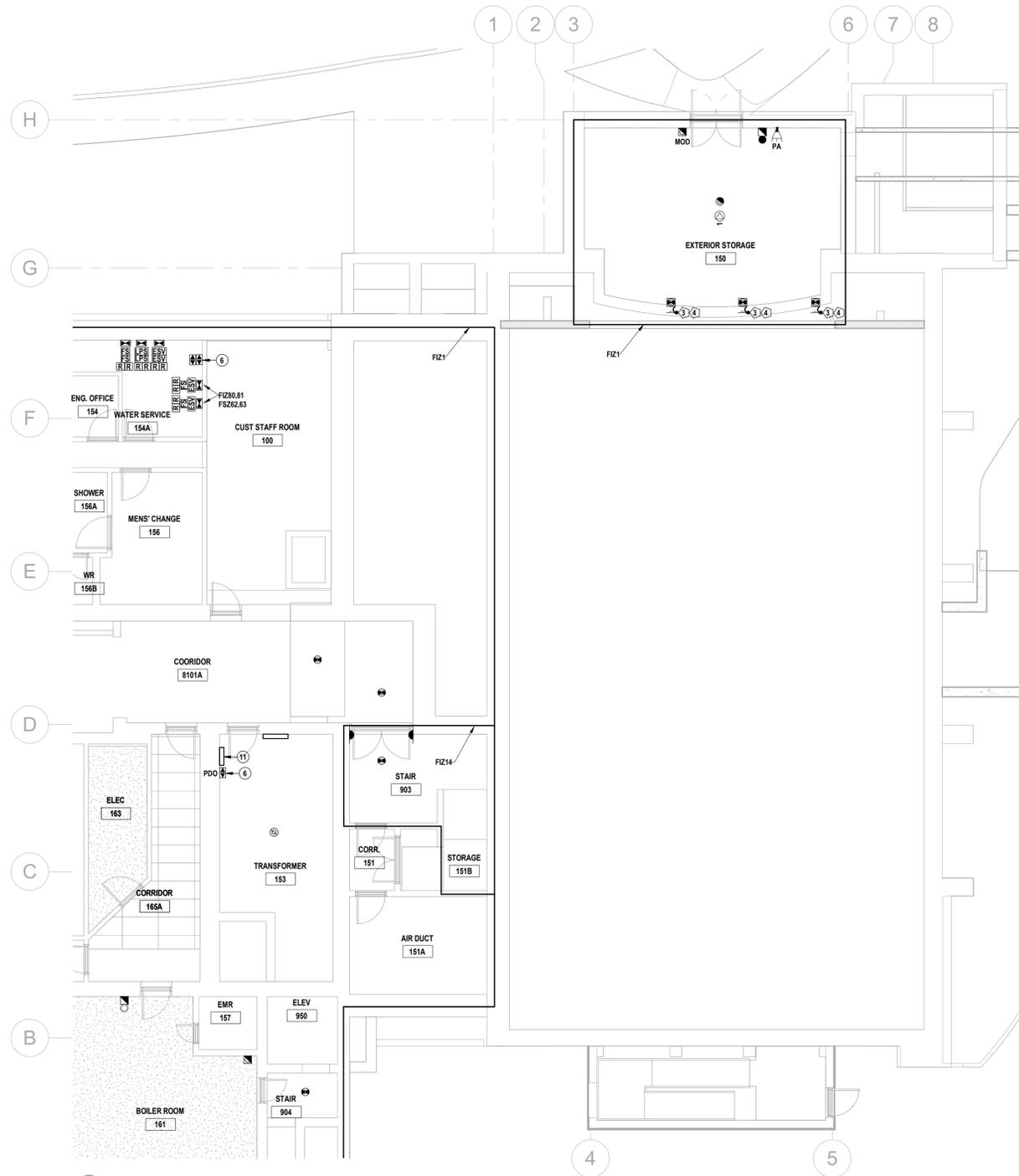
**Galt Collegiate Institute**  
Tassie Hall Upgrade

200 Water Street North, Cambridge, ON

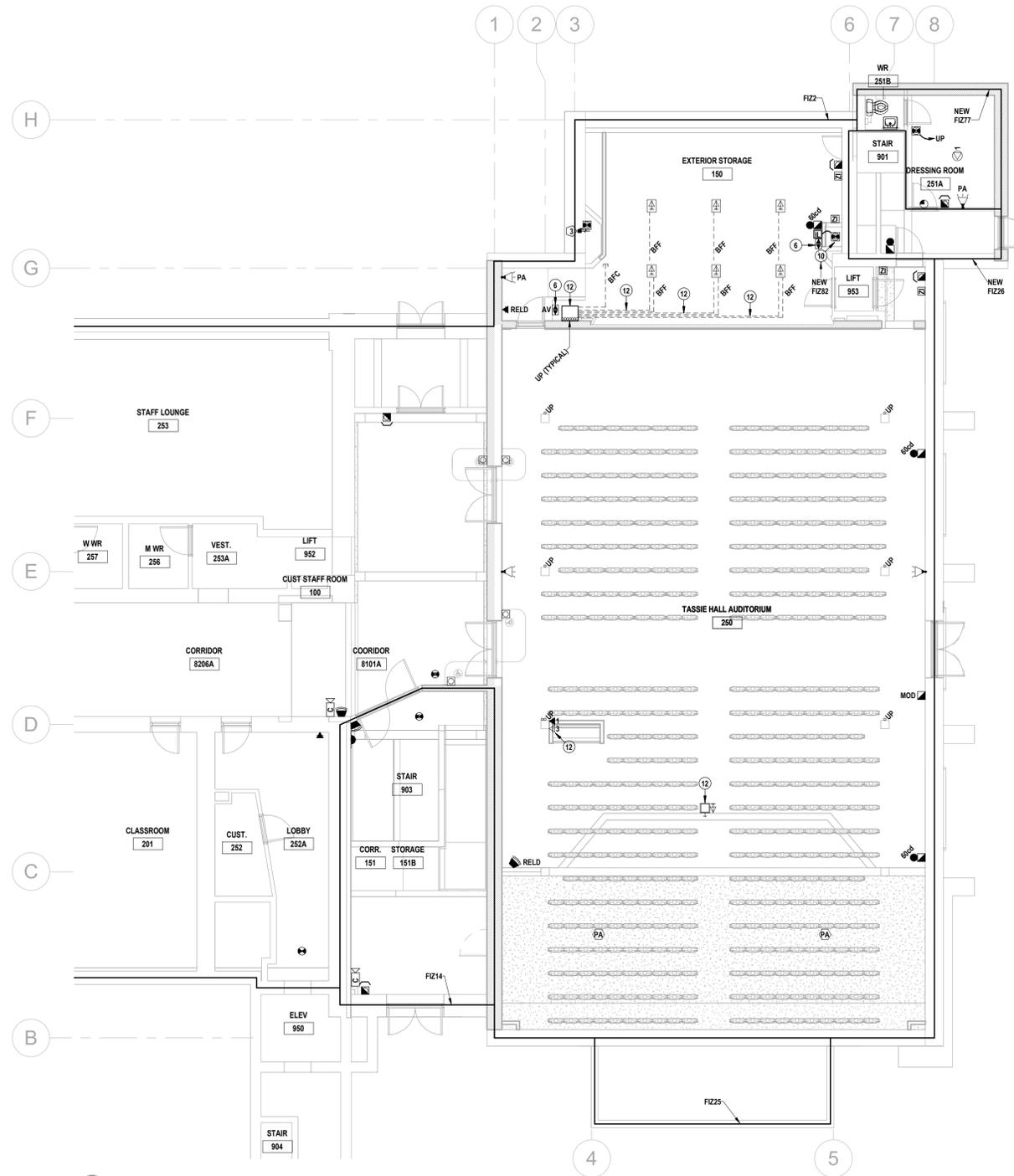
Project No.: 25067  
Drawn By: A.T.  
Checked By: A.W.G.

REVISED LIGHTING PLANS





1 REVISED FIRST FLOOR COMMUNICATIONS & SECURITY PLAN  
E4.1 SCALE: 1:100



2 REVISED SECOND FLOOR COMMUNICATIONS & SECURITY PLAN  
E4.1 SCALE: 1:100



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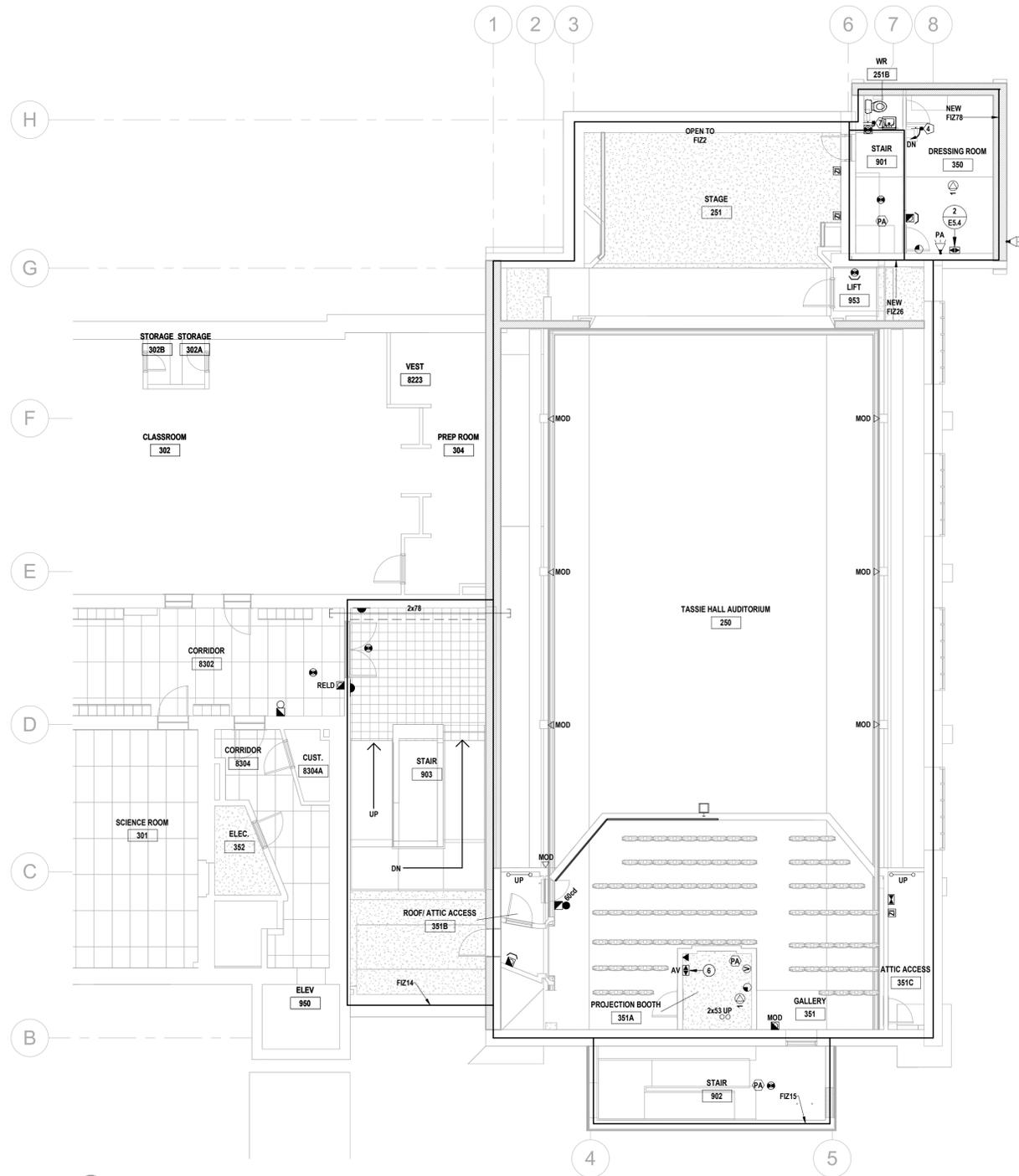
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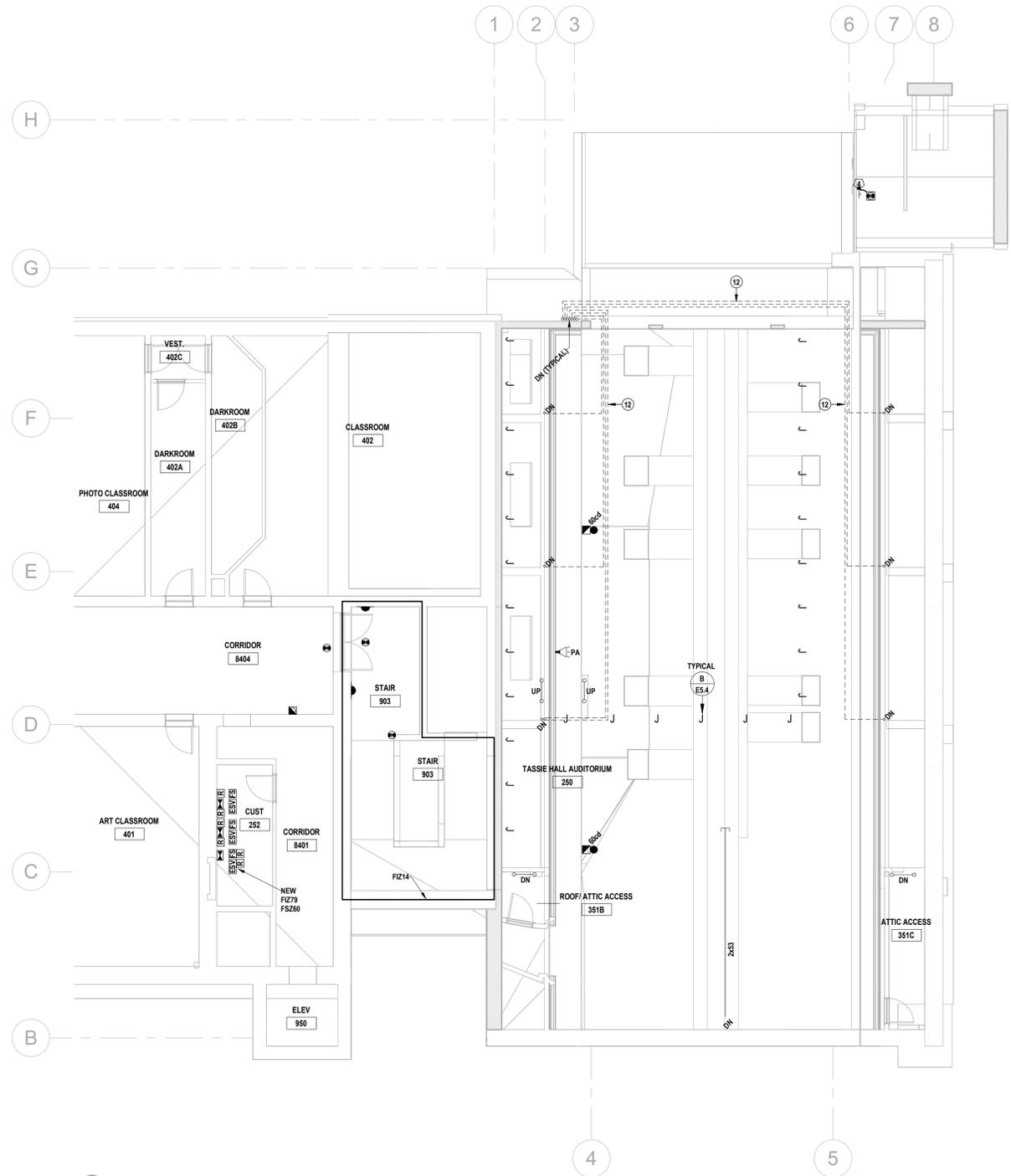
E4.1

- REVISED DRAWING NOTES**
- 1 → PROVIDE POWER DISTRIBUTION.
    - REFER TO SINGLE LINE DIAGRAMS.
    - REFER TO CONSTRUCTION PHASING.
  - 2 → PROVIDE FREEZE PROTECTION HEAT TRACE.
    - INSTALL CABLING IN THE EQUIPMENT PAN & AROUND THE DRAIN PIPING PRIOR TO INSULATION WRAP.
    - PROVIDE RELAYS & AMBIENT SENSING THERMOSTAT FOR CONTROL.
  - 3 → PROVIDE STRUT (NOT INDICATED) ANCHORED FROM FLOOR TO CEILING TO SUPPORT EQUIPMENT BRANCH FEEDERS, ETC.
  - 4 → PROVIDE EMERGENCY LIGHTING POWER SUPPLY.
    - PROVIDE AC BRANCH WIRING TO REMOTE EMERGENCY LUMINAIRES AS CIRCUITED.
    - PROVIDE STRUT MOUNTING SHELF.
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  - 7 → CONNECT TO ROOM LIGHTING BRANCH CIRCUIT, UPSTREAM OF CONTROLS.
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 • DOOR CONTACT(S)  
 • ELECTRIC EGRESS DEVICE/DOOR STRIKE  
 1x21 TO A SINGLE GANG BOX UNLESS OTHERWISE SPECIFIED. FOR EACH OF THE FOLLOWING RECESSED DEVICES WHERE INDICATED:  
 • PROXIMITY READERS.  
 • DOOR OPERATOR PUSH BUTTONS.  
 • PUSH TO LOCK BUTTONS.  
 • OCCUPANCY INDICATORS.  
 REFER TO DOOR ELEVATION DRAWINGS.





1 REVISED THIRD FLOOR COMMUNICATIONS & SECURITY PLAN  
E4.2 SCALE: 1:100



2 REVISED FOURTH FLOOR COMMUNICATIONS & SECURITY PLAN  
E4.2 SCALE: 1:100



MNE Engineering Inc.  
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Kitchener, Ontario N2C2C5  
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www.mneengineering.ca



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2025-12-17  
ISSUED FOR BID  
2026-02-11



**Galt Collegiate Institute**  
Tassie Hall Upgrade  
REVISOR COMMUNICATIONS & SECURITY PLANS

Project No.: 25067  
Drawn By: A.T.  
Checked By: A.W.G.

E4.2

**REVISED DRAWING NOTES**

- 1 → PROVIDE POWER DISTRIBUTION.  
• REFER TO SINGLE LINE DIAGRAMS.  
• REFER TO CONSTRUCTION PHASING.
- 2 → PROVIDE FREEZE PROTECTION HEAT TRACE.  
• INSTALL CABLING IN THE EQUIPMENT PAN & AROUND THE DRAIN PIPING PRIOR TO INSULATION WRAP.  
• PROVIDE RELAYS & AMBIENT SENSING THERMOSTAT FOR CONTROL.
- 3 → PROVIDE STRUT (NOT INDICATED) ANCHORED FROM FLOOR TO CEILING TO SUPPORT EQUIPMENT BRANCH FEEDERS, ETC.
- 4 → PROVIDE EMERGENCY LIGHTING POWER SUPPLY.  
• PROVIDE AC BRANCH WIRING TO REMOTE EMERGENCY LUMINAIRES AS CIRCUITED.  
• PROVIDE STRUT MOUNTING SHELF.
- 5 → PROVIDE BOX & WIRING FOR FUTURE AUDIBLE-VISUAL SIGNAL DEVICE.
- 6 → PROVIDE CLEARLY LABELED FIRE ALARM RELAYS & CONNECTIONS TO THE FOLLOWING:  
• ACCESS CONTROLS, RATED POWER-OPERATED DOORS, HOLD-OPEN DEVICES OR FIRE SMOKE DAMPERS. COORDINATE WITH DIVISION 28 SUBCONTRACTORS.  
• AUDIO/VIDEO EQUIPMENT. COORDINATE WITH DIVISION 27 SUBCONTRACTOR.  
• MECHANICAL EQUIPMENT. COORDINATE WITH DIVISION 21 & 23 SUBCONTRACTORS.  
REFER TO APPLICABLE SCHEMATICS.
- 7 → CONNECT TO ROOM LIGHTING BRANCH CIRCUIT, UPSTREAM OF CONTROLS.
- 8 → RECOMMENDED ROUTE OF NEW FEEDERS, DETERMINE OPTIMAL ROUTE ON-SITE.  
• MAINTAIN EXIT STAIR INTEGRITY. RATED BULKHEAD(S) PROVIDED BY DIVISION 01.  
• COORDINATE TO SUIT NEW DIVISION 23 ATTIC INSTALLATIONS.  
• PROVIDE CONDUIT SUPPORTS & PERSONNEL PLATFORMS/CATWALKS AS REQUIRED FOR WORK IN THE ATTIC.  
• FIRE STOP ALL RATED PENETRATIONS.
- 9 → COORDINATE WITH DIVISION 01 TO PROVIDE NEW ATTIC OPENING TO HALL 250. PROVIDE MOUNTING ENCLOSURE & CEILING GRILLE TO MATCH EXISTING. EXTEND PERSONNEL PLATFORMS/CATWALKS AS REQUIRED.
- 10 → PROVIDE DUCT-TYPE SMOKE DETECTOR ASSEMBLY.  
• INSTALL DETECTOR ON SIDE OF SUPPLY DUCT.  
• INSTALL SAMPLING TUBES UPSTREAM OF BRANCH DUCTS. CONFIRM DUCT DIMENSIONS PRIOR TO ORDERING.  
• PROVIDE RELAY, WIRING & REMOTE LED.  
• ZONE INDEPENDENTLY & PROGRAM SUCH THAT ACTIVATION OF THE DUCT DETECTOR WILL DE-ENERGIZE THE AIR HANDLING UNIT.
- 11 → PROVIDE AN ADDRESSABLE POWER SUPPLY (APS).  
• PROVIDE WIRING TO SIGNALING DEVICES WITHIN THE WORK AREAS.  
• PROVIDE WIRING TO ANCILLARY DEVICES WITHIN THE WORK AREAS.  
• PROVIDE BRANCH WIRING FROM NEW 15A-1P, RED, LOCKABLE BREAKER IN ADJACENT SQUARE D NO. 1P-R.
- 12 → AUDIO/VIDEO (AV) & ASSISTIVE LISTENING (AL) EQUIPMENT PROVIDED UNDER ALLOWANCE.  
• PROVIDE POWER & PATHWAYS INCLUDING JUNCTION BOXES (NOT SHOWN), TERMINATION BOXES/TROUSERS, ETC. TO FIELD DEVICES (SPEAKERS, MICROPHONES, MIXERS, PROJECTOR, VIDEO TRANSCODERS, ETC.).  
• DASHED LINES REPRESENT SUGGESTED CONDUIT ROUTES.  
• REFER TO SHERWOOD SYSTEMS DESIGN PACKAGE FOR QUANTITIES, LAYOUTS & ADDITIONAL DETAIL.

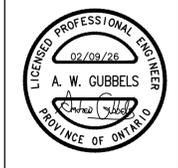
**SEPARATE PRICE**  
INDICATE ON THE BID FORM A PRICE FOR ALL MATERIAL & LABOUR ASSOCIATED WITH THE FOLLOWING:  
• DELETION OF THE EXISTING TECK FEEDERS BETWEEN DP-B8B & 'STL'.  
• PROVISION OF 4#30 T90 IN 53 EMT BETWEEN DP-B8B & P32B.

**SPRINKLERED FLOOR AREAS**  
NEW HEAT DETECTORS ARE NOT REQUIRED DUE TO THE PROVISION OF AN AUTOMATIC SPRINKLER SYSTEM.

**COMMUNICATIONS & SECURITY PATHWAYS**  
PROVIDE RECESSED OUTLET BOXES FOR ALL INDICATED DEVICES.  
PROVIDE CONDUITS TO THE NEAREST ACCESSIBLE CEILING, HANGER, CABLE TRAY OR PULL BOX.  
• 1x21 CONDUIT FROM EACH BOX (BY DEFAULT).  
• 1x27 CONDUIT FROM EACH BOX WITH MORE THAN TWO DATA DROPS & FROM EACH AUDIO/VIDEO BOX.  
• PULL TAPES & PLASTIC BUSHINGS FOR ALL CONDUITS & SLEEVES.  
PROVIDE SLEEVES (IFC) WITH THE DIAMETER OUTLINED.  
• EMT SLEEVES (BY DEFAULT).  
• RE-PENETRABLE (RP) SLEEVES WHERE OUTLINED.  
• SELF-SEALING (SS) WHERE OUTLINED.  
PROVIDE SUSPENDED CABLE TRAYS. BOND. REFER TO DETAILS.  
PROVIDE CABLE HANGERS. REFER TO DETAIL.

**ACCESS CONTROLLED OPENINGS**  
AT EACH CONTROLLED OPENING, PROVIDE THE FOLLOWING CONDUITS (NOT INDICATED) FROM A CLEARLY LABELED BOX (AFC) FOR ACCESS CONTROL CABLING INSTALLATIONS:  
1x16 TO EACH OF THE FOLLOWING WHERE APPLICABLE:  
• MULLION MORTAR BOX FOR CURRENT TRANSFERS(S).  
• DOOR HEADER.  
• AUTO OPERATOR.  
• DAY-NIGHT-OFF KEY SWITCH.  
• DOOR CONTACT(S).  
• ELECTRIC EGRESS DEVICE/DOOR STRIKE.  
1x21 TO A SINGLE GANG BOX, UNLESS OTHERWISE SPECIFIED. FOR EACH OF THE FOLLOWING RECESSED DEVICES WHERE INDICATED:  
• DOOR OPERATOR PUSH BUTTONS.  
• PROXIMITY READERS.  
• PUSH TO LOCK BUTTONS.  
• OCCUPANCY INDICATORS.  
REFER TO DOOR ELEVATION DRAWINGS.





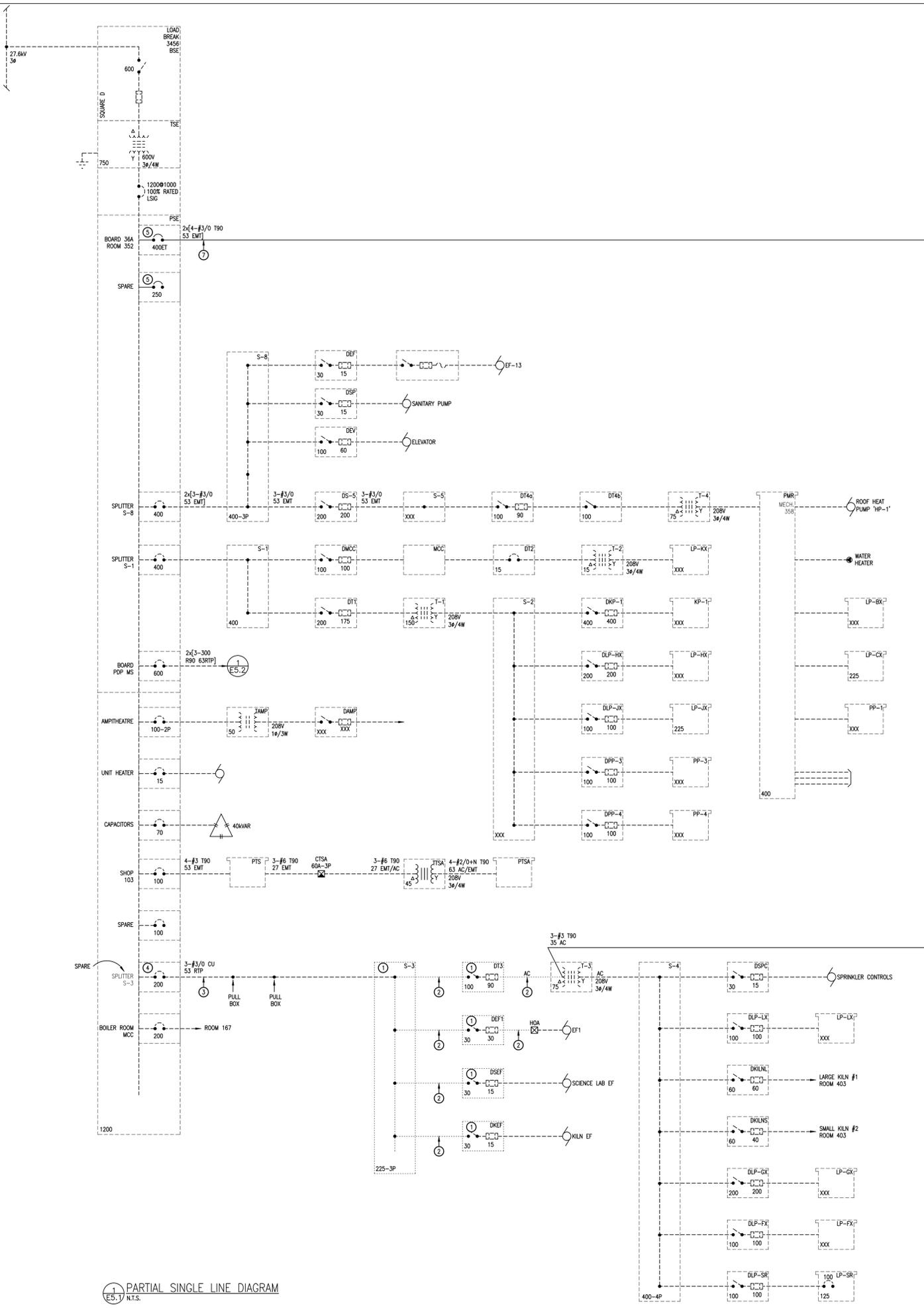
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 2026-02-11



**Galt Collegiate Institute**  
 200 WATER STREET NORTH, CAMBRIDGE, ON N1R 1H6  
 TASSIE HALL UPGRADES  
 PARTIAL SINGLE LINE DIAGRAM  
 Project No.: 20067  
 Drawn By: A.W.T.  
 Checked By: A.W.G.

**E5.1**



**NEW BOARD '36A' SCHEDULE**

NO.	NOTES	A	P	LOAD DESCRIPTION	g	LOAD DESCRIPTION	P	A	NOTES	NO.
1		25			A		25			2
3	*5	25	3	ROOFTOP CONDENSING UNIT CU-5A TASSIE HALL	B	ROOFTOP CONDENSING UNIT CU-6A TASSIE HALL	3	25	*5	4
5		25			C		25			6
7		25			A		25			8
9	*5	25	3	ROOFTOP CONDENSING UNIT CU-5B TASSIE HALL	B	ROOFTOP CONDENSING UNIT CU-6B TASSIE HALL	3	25	*5	10
11		25			C		25			12
13		15			A		30			14
15	*4	15	3	SCIENCE LAB FAN	B	EXHAUST FAN EF1	3	30	*4	16
17		15			C		30			18
19		15			A		30			20
21	*4	15	3	KILN EXHAUST FAN	B		3	30	*6	22
23		15			C		30			24
25					A					26
27					B					28
29					C					30
31					A					32
33					B					34
35					C					36
37		90			A		50			38
39	*3	90	3	TRANSFORMER 3 TO SPLITTER 4	B		3	50	*6	40
41		90			C		50			42

**NOTES:**

- BREAKER SHALL BE RED.
- BREAKER SHALL BE LOCKABLE.
- EXISTING LOAD FROM DELETED 'S-3'. PROVIDE BREAKER & BRANCH FEEDER.
- EXISTING LOAD FROM DELETED 'S-3'. PROVIDE BREAKER EXTEND & RECONNECT BRANCH FEEDER.
- NEW LOAD. PROVIDE BREAKER & BRANCH FEEDER.
- FUTURE LOAD. PROVIDE BREAKER.

**OPTIONS:**  
 BOTTOM FEEDS  
 DRIP SHIELD  
 38X BREAKER SPACE  
 96S TUB WIDTH

LOCATION	MAINS	VOLTAGE	#/WIRE	TYPE	MOUNTING	MAIN BREAKER
CUSTODIAL 352	400A	600/347V	3/4	EATON PRL4X	FLOOR	N/A

**SINGLE LINE NOTES**

- DELETE EQUIPMENT.
- DELETE FEEDERS (CONDUIT & CONDUCTORS).
- DELETE CONDUCTORS, MAINTAIN & REWORK CONDUIT AS REQUIRED.
- DELETE LABEL, PROVIDE NEW.
- PROVIDE EQUIPMENT.
- PROVIDE FEEDERS.
- PROVIDE CONDUCTORS IN EXISTING & NEW CONDUITS.
- REWORK FEEDERS TO MAINTAIN FREE AIR RATING. REFER TO SEPARATE PRICE.
- DELETE FUSES, PROVIDE NEW.

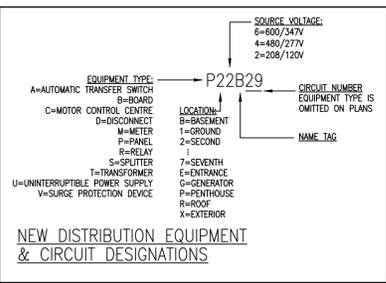
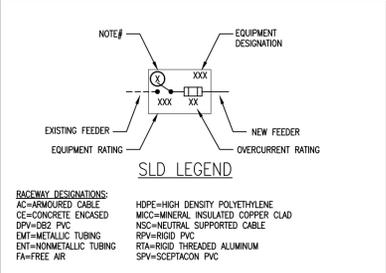
**DESIGNATIONS**  
 EQUIPMENT & FEEDERS (CONDUCTOR & CONDUIT) WITHOUT DESIGNATION ARE EXISTING TO REMAIN.

**EXISTING FEEDERS**  
 FEEDER & OVER CURRENT SIZES ARE BASED ON ARCHIVED INFORMATION. VERIFY ALL AFFECTED & CLEARLY INDICATE ON THE AS-BUILT DRAWINGS.

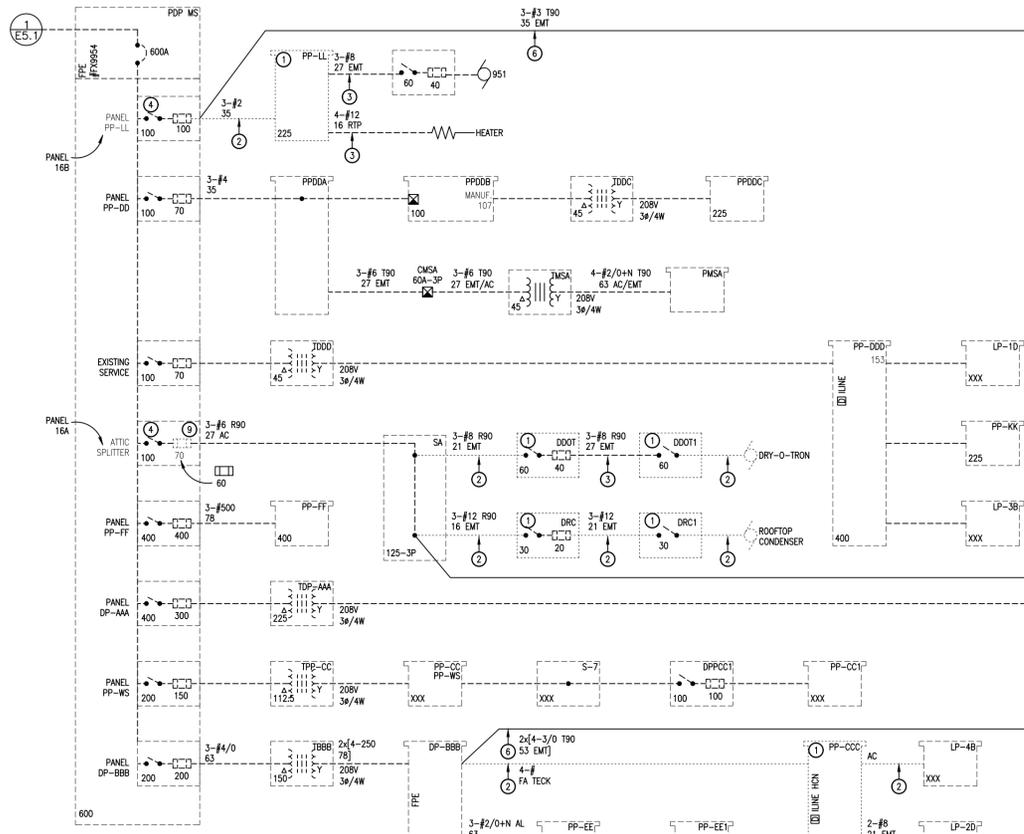
**MEGGER TEST**  
 TEST ALL MODIFIED & NEW FEEDERS.

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

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



**E5.1** PARTIAL SINGLE LINE DIAGRAM  
 N.T.S.



### NEW PANEL '16A' SCHEDULE

NO.	NOTES	A	P	LOAD DESCRIPTION	#	LOAD DESCRIPTION	P	A	NOTES	NO.
1		20			A			20		2
3	*3	20	3	TASSIE HALL HVAC-5 STORAGE 150	B	TASSIE HALL HVAC-6 STORAGE 150	3	20	*3	4
5		20			C			20		6
7					A					8
9					B					10
11					C					12
13					A					14
15					B					16
17					C					18
19					A					20
21					B					22
23					C					24
25		30			A			30		26
27	*4	30	3		B			30	*4	28
29		30			C			30		30

\* NOTES:  
 1. NOT USED.  
 2. FIELD CONFIRM AMPACITY.  
 3. NEW LOAD. PROVIDE BREAKER & BRANCH WIRING.  
 4. FUTURE LOAD. PROVIDE BREAKER.

OPTIONS:  
 TOP FEEDS DRIP SHIELD

LOCATION	MAINS	VOLTAGE	#/WIRE	TYPE	MOUNTING	MAIN BREAKER
STORAGE ROOM 150	225A	600V	3/3	EATON PRL2X	SURFACE	N/A

### NEW PANEL '16B' SCHEDULE

NO.	NOTES	A	P	LOAD DESCRIPTION	#	LOAD DESCRIPTION	P	A	NOTES	NO.
1		40			A			20		2
3	*1	40	3	ELEVATOR 951	B	HTG. LOADING DOCK 8206	3	20	*1,2	4
5		40			C			20		6
7					A					8
9					B					10
11					C					12
13					A					14
15					B					16
17					C					18
19					A					20
21					B					22
23					C					24
25		30			A			30		26
27	*4	30	3		B			30	*4	28
29		30			C			30		30

\* NOTES:  
 1. EXISTING LOAD FROM DELETED 'PP-LL'. PROVIDE BREAKER, EXTEND & RECONNECT BRANCH WIRE.  
 2. FIELD CONFIRM AMPACITY.  
 3. NEW LOAD. PROVIDE BREAKER & BRANCH WIRING.  
 4. FUTURE LOAD. PROVIDE BREAKER.

OPTIONS:  
 TOP FEEDS DRIP SHIELD

LOCATION	MAINS	VOLTAGE	#/WIRE	TYPE	MOUNTING	MAIN BREAKER
BOILER ROOM 161	225A	600V	3/3	EATON PRL2X	SURFACE	N/A

### NEW PANEL '32B' SCHEDULE

NO.	NOTES	A	P	LOAD DESCRIPTION	#	LOAD DESCRIPTION	P	A	NOTES	NO.
1	*1	15	1		A			15	*1	2
3	*1	15	1		B			15	*1	4
5	*1	15	1		C			15	*1	6
7	*1	15	1		A			15	*1	8
9	*1	15	1		B			15	*1	10
11	*1	15	1		C			15	*1	12
13	*1	15	1		A			15	*1	14
15	*1	15	1		B			15	*1	16
17	*3	20	1	RECEPTACLES AV DESK	C	RECEPTACLE 250 PDU	1	20	*3	18
19	*3	20	1	RECEPTACLES AV RACK	A	RECEPTACLES AV STAGE	1	20	*3	20
21	*3	20	1	RECEPTACLES STAIR & CORRIDOR	B		1	20	*1	22
23	*1	15	1		C			20	*1	24
25	*1	15	1		A			15	*2	26
27	*2	15	1		B			15	*2	28
29	*2	15	1		C			15	*2	30
31	*2	15	1		A			15	*3	32
33	*3	15	2	RECIRCULATION PUMP P-12 ROOM 150	B	CONTROL BOX DCB-5A	2	15	*3	34
35		15			C	CONTROL BOX DCB-5B	2	15	*3	36
37	*3	15	2	RECIRCULATION PUMP P-13 ROOM 150	A	CONTROL BOX DCB-6A	2	15	*3	40
39		15			B	CONTROL BOX DCB-6A	2	15	*3	42
41	*3	15	1	MECHANICAL POWER SUPPLIES	A	CONTROL BOX DCB-6B	2	15	*3	44
43	*3	15	1	EXHAUST FAN EF-3 ATTIC	B	CONTROL BOX DCB-6B	2	15	*3	46
45	*3	15	1	UNIT HEATER UH-1 ROOM 150	C	BRANCH SELECTOR BOX BS-1	2	15	*3	48
47	*3,5	15	1	SMOKE DAMPERS	A	BRANCH SELECTOR BOX BS-2	2	15	*3	52
49		15			B	POWER DOOR OPERATOR	1	15	*2	56
51	*3	15	3	EXHAUST FAN EF-1	C	RECEPTACLES AV STAGE	1	20	*3	58
53		15			A	RECEPTACLES AV STAGE	1	20	*3	60
55		15			B	RECEPTACLES AV STAGE	1	20	*3	62
57	*3	15	3	EXHAUST FAN EF-2	C	RECEPTACLES AV STAGE	1	20	*3	64
59		15			A	RECEPTACLES AV STAGE	1	20	*3	66
61	*3	15	1	UNIT HEATER UH-2 ROOM 150	B	RECEPTACLES AV STAGE	1	20	*3	68
63	*3	15	1	UNIT HEATER UH-3 ROOM 150	C	RECEPTACLES AV STAGE	1	20	*3	70
65	*3	15	1	RECIRCULATION PUMP P-15	A	RECEPTACLES AV STAGE	1	20	*3	72
67	*3	15	1	MECHANICAL POWER SUPPLIES	B	RECEPTACLES AV STAGE	1	20	*3	74
69	*3	15	1	CONTROL PANELS	C	RECEPTACLES AV STAGE	1	20	*3	76
71	*3	15	1	TRAP SEAL PRIMER & RECEPT. 150.	A	EXIT SIGNS	1	15	*3	78

\* NOTES:  
 1. EXISTING LOAD FROM DELETED 'LP-2B'. PROVIDE BREAKER, EXTEND & RECONNECT BRANCH WIRE.  
 2. EXISTING LOAD FROM DELETED 'LP-5C'. PROVIDE BREAKER, EXTEND & RECONNECT BRANCH WIRE.  
 3. NEW LOAD. PROVIDE BREAKER & BRANCH WIRING.  
 4. FUTURE LOAD. PROVIDE BREAKER.  
 5. BREAKER SHALL BE RED & LOCKABLE.

OPTIONS:  
 TOP FEEDS DRIP SHIELD THROUGH FEED LUG

LOCATION	MAINS	VOLTAGE	#/WIRE	TYPE	MOUNTING	MAIN BREAKER
DRESSING ROOM 350	225A	208/120V	3/4	EATON PRL1X	SURFACE	N/A

### NEW BOARD '12S' SCHEDULE

NO.	NOTES	A	P	LOAD DESCRIPTION	#	LOAD DESCRIPTION	P	A	NOTES	NO.
1		60			A	PANEL LP-20 OFFICE 202C	2	60	*3	2
3		60			B		2	60		4
5		100			C		2	200		6
7	*3	100	3	PANEL 12B ROOM 163	A	PANEL LP-4C ROOM 407	3	200	*4	8
9		100			B		2	200		10
11		100			C		2	100		12
13		100			A	PANEL LP-1C CORRIDOR 8101B	2	100	*3	14
15		100			B		2	100		16
17		100			C		2	100		18
19		100			A		3	100		20
21		100			B	PANEL 32C BOOTH 351A	3	100	*3	22
23		100			C		3	100		24
25		60			A		3	100		26
27		60			B	PANEL 42A CORRIDOR 8404	3	100	*3	28
29		60			C		3	100		30
31		100			A		3	100		32
33	*3	100	3	PANEL 32A CORRIDOR 8302	B	PANEL 12A CORRIDOR 8101A	3	100	*3	34
35		100			C		3	100		36
37		100			A		3	200		38
39	*6	100	3		B		3	200	*6	40
41		100			C		3	200		42
43					A					44
45					B					46
47					C					48
49					A					50
51					B					52
53					C					54
55		100			A			50		56
57	*6	100	3		B			50	*6	58
59		100			C			50		60

\* NOTES:  
 1. BREAKER SHALL BE RED.  
 2. BREAKER SHALL BE LOCKABLE.  
 3. EXISTING LOAD FROM DELETED 'PP-CCC'. PROVIDE BREAKER & BRANCH FEEDER.  
 4. EXISTING LOAD FROM DELETED 'PP-CCC'. PROVIDE BREAKER & RECONNECT BRANCH FEEDER.  
 5. NEW LOAD. PROVIDE BREAKER & BRANCH FEEDER.  
 6. FUTURE LOAD. PROVIDE BREAKER.

OPTIONS:  
 TOP FEEDS DRIP SHIELD 50X BREAKER SPACE 965 TUB WIDTH

LOCATION	MAINS	VOLTAGE	#/WIRE	TYPE	MOUNTING	MAIN BREAKER
ELECTRICAL 153	400A	208/120V	3/4	EATON PRL4X	FLOOR	N/A

E5.2 PARTIAL SINGLE LINE DIAGRAM N.T.S.

- #### SINGLE LINE NOTES
- ① DELETE EQUIPMENT.
  - ② DELETE FEEDERS (CONDUIT & CONDUCTORS).
  - ③ DELETE CONDUCTORS. MAINTAIN & REWORK CONDUIT AS REQUIRED.
  - ④ DELETE LABEL. PROVIDE NEW.
  - ⑤ PROVIDE EQUIPMENT.
  - ⑥ PROVIDE FEEDERS.
  - ⑦ PROVIDE CONDUCTORS IN EXISTING & NEW CONDUITS.
  - ⑧ REWORK FEEDERS TO MAINTAIN FREE AIR RATING. REFER TO SEPARATE PRACTICE.
  - ⑨ DELETE FUSES. PROVIDE NEW.

DESIGNATIONS  
 EQUIPMENT & FEEDERS (CONDUCTOR & CONDUIT) WITHOUT DESIGNATION ARE EXISTING TO REMAIN.

EXISTING FEEDERS  
 FEEDER & OVER CURRENT SIZES ARE BASED ON ARCHIVED INFORMATION. VERIFY ALL AFFECTED & CLEARLY INDICATE ON THE AS-BUILT DRAWINGS.

MEGGER TEST  
 TEST ALL MODIFIED & NEW FEEDERS.

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

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



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 2024-07-03  
 2024-11-07  
 2025-12-31  
 2026-02-21

AWG  
 AWG  
 AWG  
 AWG



# Galt Collegiate Institute

200 WATER STREET NORTH, CAMBRIDGE ON N1R 1H6

TASSIE HALL UPGRADES

## PARTIAL SINGLE LINE DIAGRAM

Project No.: 20077  
 Drawn By: A.W.T.  
 Checked By: A.W.G.

NEW PANEL '12A' SCHEDULE										
NO.	NOTES	A	P	LOAD DESCRIPTION	#	LOAD DESCRIPTION	P	A	NOTES	NO.
1	*1	15	1		A		1	15	*1	2
3	*1	15	1		B		1	15	*1	4
5	*1	15	1		C		1	15	*1	6
7	*1	15	1		A		1	15	*1,4	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	15	*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	15	*1	20
21					B					22
23					C					24
25					A					26
27					B					28
29					C					30
31					A		1	15	*4	32
33					B		1	15	*4	34
35					C		1	15	*4	36
37					A		1	20	*4	38
39					B		1	20	*4	40
41					C		1	20	*4	42

\* NOTES:  
1. EXISTING LOAD FROM DELETED 'LP-1A'. PROVIDE BREAKER, EXTEND & RECONNECT BRANCH WIRE.  
2. NOT USED.  
3. NEW LOAD, PROVIDE BREAKER & BRANCH WIRING.  
4. FUTURE LOAD, PROVIDE BREAKER.

OPTIONS:  
TOP FEEDS

LOCATION	MAINS	VOLTAGE	#/WIRE	TYPE	MOUNTING	MAIN BREAKER
CORRIDOR B101A	225A	208/120V	3/4	EATON PRL1X	FLUSH	N/A

NEW PANEL '12B' SCHEDULE										
NO.	NOTES	A	P	LOAD DESCRIPTION	#	LOAD DESCRIPTION	P	A	NOTES	NO.
1	*1	15	1		A		1	15	*1	2
3	*1	15	1		B		1	15	*1	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					B		1	30	*1	16
17	*1	20	3		C		1	15	*1	18
19					A		1	15	*1	20
21	*1	15	1		B		1	15	*1	22
23	*1	15	1		C		1	15	*1	24
25	*1	15	1		A		1	15	*1	26
27	*1	30	1		B		1	15	*1	28
29					C		1	15	*1	30
31	*1	30	3		A		1	15	*1	32
33					B		2	30	*1	34
35	*1	15	1		C		2	30		36
37	*1	15	1		A		2	15	*1,5	38
39	*1	15	1		B		2	15	*1,5	40
41	*1	30	1		C					42
43	*2,5	20	1		A					44
45					B					46
47					C					48
49					A		1	15	*4	50
51					B		1	15	*4	52
53					C		1	15	*4	54
55					A		1	20	*4	56
57					B		1	20	*4	58
59					C		1	20	*4	60

\* NOTES:  
1. EXISTING LOAD FROM DELETED 'LP-1B'. PROVIDE BREAKER, EXTEND & RECONNECT BRANCH WIRE.  
2. EXISTING LOAD FROM DELETED 'LP-8'. PROVIDE BREAKER, EXTEND & RECONNECT BRANCH WIRE.  
3. NEW LOAD, PROVIDE BREAKER & BRANCH WIRING.  
4. FUTURE LOAD, PROVIDE BREAKER.  
5. FIELD CONFIRM AMPACITY.

OPTIONS:  
TOP FEEDS  
DRIP SHIELD

LOCATION	MAINS	VOLTAGE	#/WIRE	TYPE	MOUNTING	MAIN BREAKER
ELECTRICAL ROOM 163	225A	208/120V	3/4	EATON PRL1X	SURFACE	N/A

NEW PANEL '22A' SCHEDULE										
NO.	NOTES	A	P	LOAD DESCRIPTION	#	LOAD DESCRIPTION	P	A	NOTES	NO.
1	*1	15	1		A		1	15	*1	2
3	*1	15	1		B		1	15	*1	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	15	*1	14
15	*1	15	1		B		1	15	*1	16
17	*1	15	1		C		1	15	*1	18
19					A		1	15	*1	20
21					B		1	15	*1	22
23	*1	15	1		C		1	15	*1	24
25	*1	15	1		A		1	15	*1	26
27	*1	30	1		B		1	15	*1	28
29					C		1	15	*1	30
31	*1	30	3		A		1	15	*1	32
33					B		1	15	*4	34
35	*1	15	1		C		1	15	*4	36
37					A		1	20	*4	38
39					B		1	20	*4	40
41					C		1	20	*4	42

\* NOTES:  
1. EXISTING LOAD FROM DELETED 'LP-2A'. PROVIDE BREAKER, EXTEND & RECONNECT BRANCH WIRE.  
2. NOT USED.  
3. NEW LOAD, PROVIDE BREAKER & BRANCH WIRING.  
4. FUTURE LOAD, PROVIDE BREAKER.

OPTIONS:  
BOTTOM FEEDS

LOCATION	MAINS	VOLTAGE	#/WIRE	TYPE	MOUNTING	MAIN BREAKER
CORRIDOR B206A	225A	208/120V	3/4	EATON PRL1X	FLUSH	N/A

NEW PANEL '32C' SCHEDULE										
NO.	NOTES	A	P	LOAD DESCRIPTION	#	LOAD DESCRIPTION	P	A	NOTES	NO.
1	*3	20	1	RECEPT. ROOF MAINTENANCE	A		1	30	*1	2
3	*3,5	15	1	HEAT TRACE	B		1	15	*1	4
5	*3,5	15	1	HEAT TRACE	C		1	15	*1	6
7	*3,5	15	1	HEAT TRACE	A		1	15	*1	8
9	*3	15	1	RECEPTACLES PROJ. BOOTH 351A	B		1	15	*1	10
11	*3	15	1	MECHANICAL POWER SUPPLIES	C		1	15	*1	12
13	*3	15	1	RECEPTACLE STAIR 902	A		1	15	*1	14
15	*3	15	1	CEILING FAN CF-1	B		1	15	*1	16
17	*3	15	1	CEILING FAN CF-2	C					18
19	*3	15	1	CEILING FAN CONTROL PANEL	A					20
21	*3	20	1	RECEPTACLE ATTIC	B					22
23	*3	20	1	RECEPTACLES AV 250	C					24
25	*3	20	1	RECEPTACLES AV 250	A					26
27	*3	20	1	RECEPTACLES AV 250	B					28
29	*3	20	1	RECEPTACLES AV 250	C					30
31	*3	20	1	RECEPTACLES AV 250	A					32
33	*3	20	1	RECEPTACLES AV 250	B					34
35	*3	15	1	RECEPTACLE PROJECTOR 250	C					36
37	*3	15	1	RECEPTACLES BALCONY	A					38
39					B					40
41					C					42
43					A					44
45					B					46
47					C					48
49					A		1	15	*4	50
51					B		1	15	*4	52
53					C		1	15	*4	54
55					A		1	20	*4	56
57					B		1	20	*4	58
59					C		1	20	*4	60

\* NOTES:  
1. EXISTING LOAD FROM DELETED 'LP-2C'. PROVIDE BREAKER, EXTEND & RECONNECT BRANCH WIRE.  
2. NOT USED.  
3. NEW LOAD, PROVIDE BREAKER & BRANCH WIRING.  
4. FUTURE LOAD, PROVIDE BREAKER.  
5. PROVIDE CLASS 'B' (30mA) GFCI BREAKER.

OPTIONS:  
TOP FEEDS  
DRIP SHIELD

LOCATION	MAINS	VOLTAGE	#/WIRE	TYPE	MOUNTING	MAIN BREAKER
AV BOOTH 351A (TASSE HALL)	225A	208/120V	3/4	EATON PRL1X	SURFACE	N/A

NEW PANEL '32A' SCHEDULE										
NO.	NOTES	A	P	LOAD DESCRIPTION	#	LOAD DESCRIPTION	P	A	NOTES	NO.
1	*1	15	1		A		1	15	*1	2
3	*1	15	1		B		1	15	*1	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	15	*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	15	*1	20
21	*1	15	1		B		1	15	*1	22
23	*1	15	1		C		1	15	*1	24
25	*1	15	1		A					26
27					B					28
29					C					30
31					A		1	15	*4	32
33					B		1	15	*4	34
35					C		1	15	*4	36
37					A		1	20	*4	38
39					B		1	20	*4	40
41					C		1	20	*4	42

\* NOTES:  
1. EXISTING LOAD FROM DELETED 'LP-3A'. PROVIDE BREAKER, EXTEND & RECONNECT BRANCH WIRE.  
2. NOT USED.  
3. NEW LOAD, PROVIDE BREAKER & BRANCH WIRING.  
4. FUTURE LOAD, PROVIDE BREAKER.

OPTIONS:  
BOTTOM FEEDS

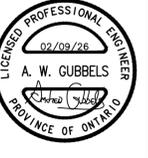
LOCATION	MAINS	VOLTAGE	#/WIRE	TYPE	MOUNTING	MAIN BREAKER
CORRIDOR B302	225A	208/120V	3/4	EATON PRL1X	FLUSH	N/A

NEW PANEL '42A' SCHEDULE										
NO.	NOTES	A	P	LOAD DESCRIPTION	#	LOAD DESCRIPTION	P	A	NOTES	NO.
1	*1	15	1		A		1	15	*1	2
3	*1	15	1		B		1	15	*1	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	15	*1	14
15	*1	15	1		B		1	15	*1	16
17	*1	20	1		C		1	15	*1	18
19	*1	15	1		A		1	15	*1	20
21					B		1	15	*1	22
23	*1	15	1		C		1	15	*1	24
25	*1	15	1		A					26
27	*1	15	1		B		2	15	*1	28
29					C		1	15	*1	30
31	*1	15	2		A		1	15	*1	32
33					B					34
35					C		1	15	*4	36
37					A		1	15	*4	38
39					B		1	20	*4	40
41					C		1	20	*4	42

\* NOTES:  
1. EXISTING LOAD FROM DELETED 'LP-4A'. PROVIDE BREAKER, EXTEND & RECONNECT BRANCH WIRE.  
2. NOT USED.  
3. NEW LOAD, PROVIDE BREAKER & BRANCH WIRING.  
4. FUTURE LOAD, PROVIDE BREAKER.

OPTIONS:  
BOTTOM FEEDS

LOCATION	MAINS	VOLTAGE	#/WIRE	TYPE	MOUNTING	MAIN BREAKER
CORRIDOR B404	225A	208/120V	3/4	EATON PRL1X	FLUSH	N/A



**MNE ENGINEERING**  
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