
**CC SSRFQ FS SD26
GENERAL CONTRACTOR FOR PROGRESS CAMPUS CLASSROOM DEMOLITION, L-BLOCK
ADDENDUM #1**

February 25, 2026

Dear Respondents,

This Addendum is to address the following information listed in Appendix B – RFQ Particulars, A. THE DELIVERABLES.

Further details defining the detailed Deliverables for this work are provided on the Bidding System at www.merx.com under CC SSRFQ FS PD26 and named as follows:

CC SSRFQ FS PD26 Appendix B – Drawings

**PLEASE NOTE: THIS FILE WILL BE UPLOADED BY END OF DAY:
THURSDAY, FEBRUARY 26, 2026**

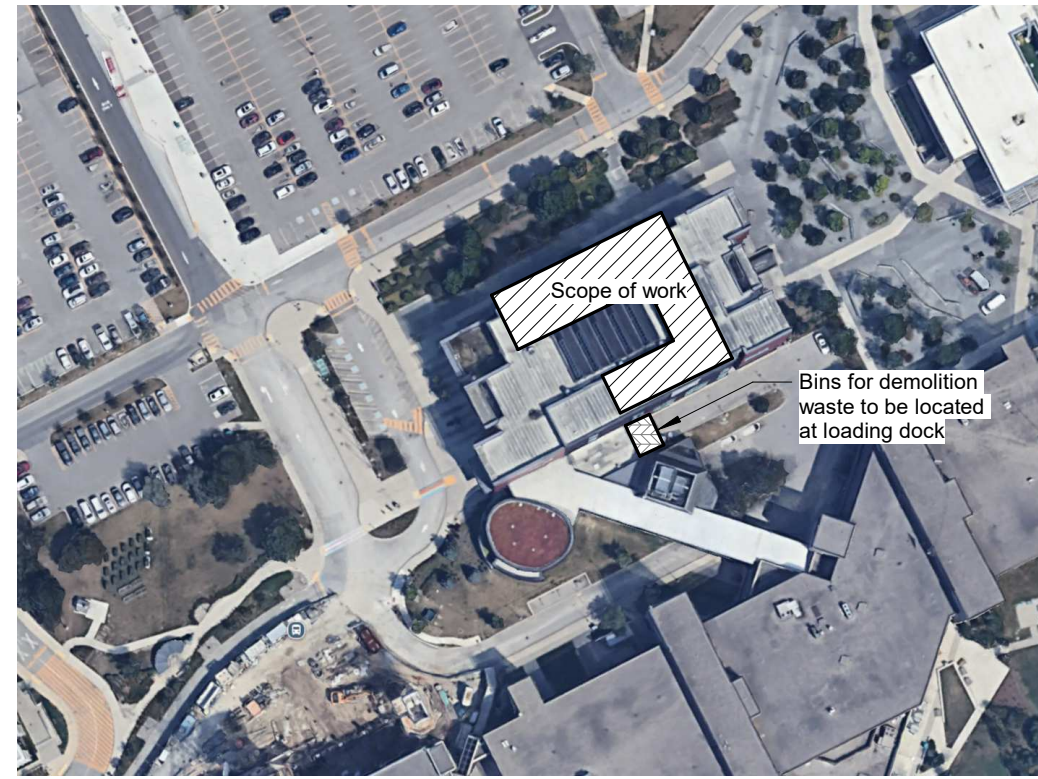
New Information:

Uploaded on the Bidding System under CC SSRFQ FS PD26 please locate filename:

CC SSRFQ FS PD26 Appendix B – Drawings_February 25 2026

All other terms and conditions of the original request for proposal document & supporting documents remain valid and unchanged.

End of Addendum #1

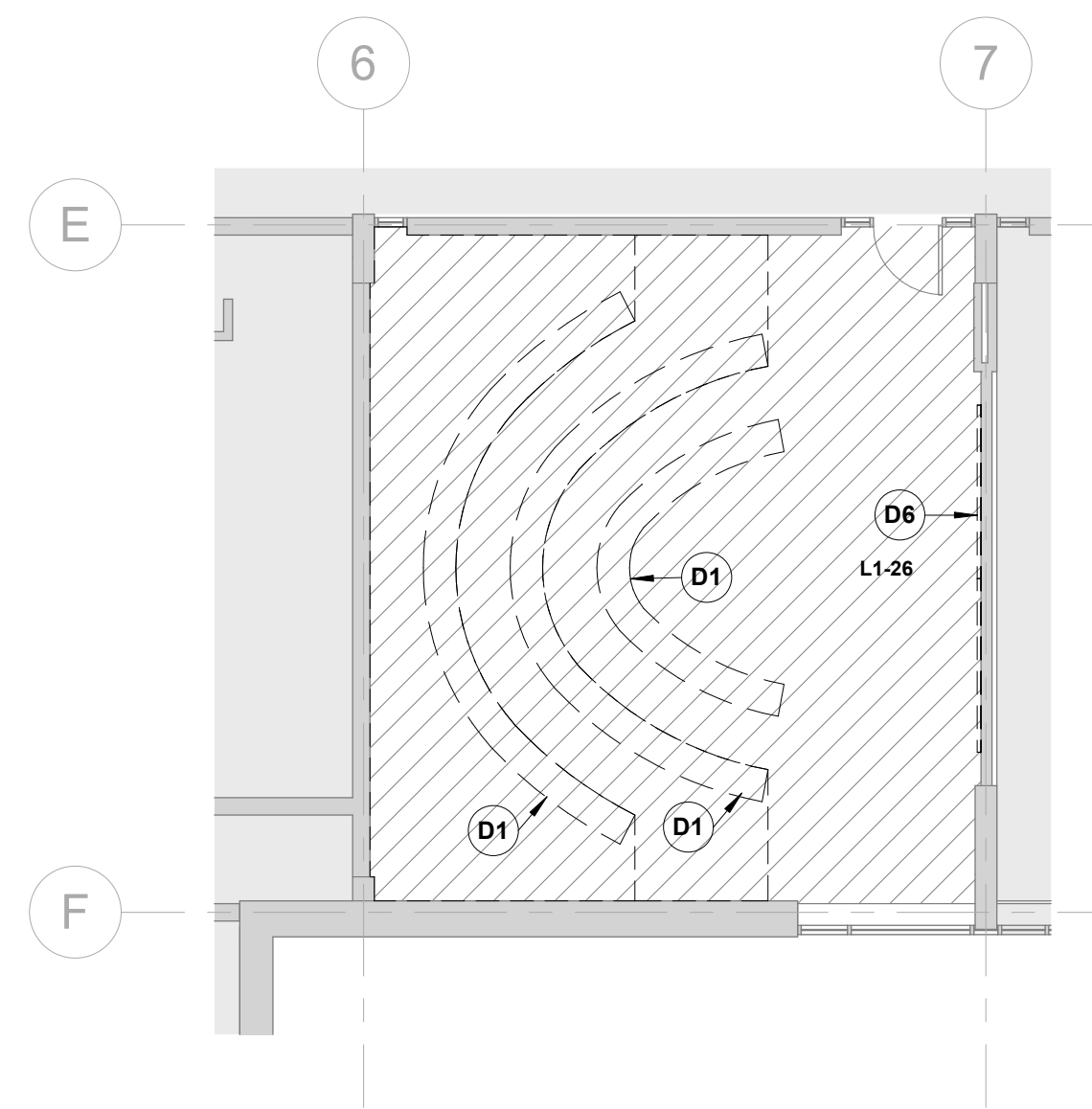


6 Site Keyplan
N.T.S.

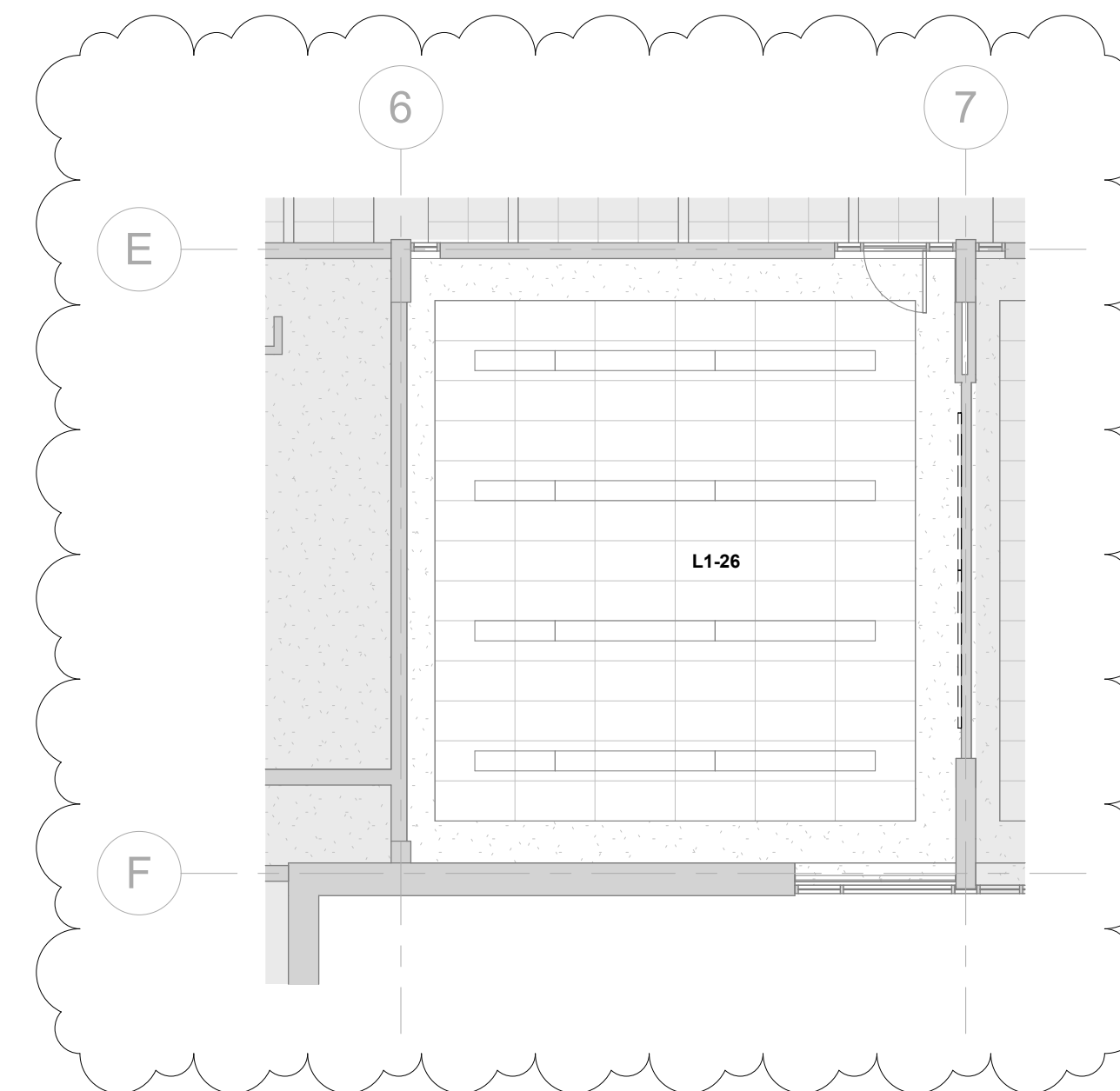
GENERAL DEMOLITION NOTES:

- See also mechanical and electrical drawings for further scope of demolition.
- Review all existing site conditions before starting work and advise architect of any discrepancies between drawings and existing site conditions.
- All work to be supervised by an experienced foreman at all times.
- Take measures to control and contain all dust and debris within the construction area. Ensure dust does not migrate into adjacent occupied spaces.
- All material required to be demolished is to be removed from the site and disposed of as per the regulations and requirements of all authorities having jurisdiction, unless noted otherwise.
- At end of each day's work, leave site in a safe condition so that no part is in danger of collapse. Do not stack salvaged material or debris unable to overload or make unstable any part of the structure.
- Remove back to source all power, data and voice infrastructure from walls that are to be demolished prior to demolition.
- Existing to remain perimeter blinds to be protected before demolition starts.
- Cut back all existing, to be demolished, mechanical and electrical services to source and cap off as required. Refer to Mechanical and Electrical Consultant's drawings for further details. Protect all Mechanical and Electrical services to remain from damage.

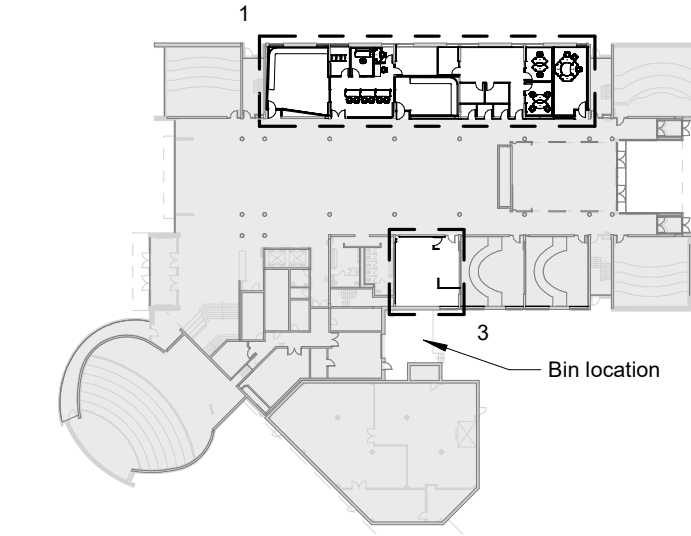
| Drawing Notes | |
|---------------|---|
| Note | Description |
| D1 | Fixed seating and existing concrete tiers (Concrete slab and CMU steps) to be demolished |
| D2 | Demolish millwork shelf and bulletin board. Steel support bracket to be cut at face of wall. |
| D3 | Demolish rollershade |
| D4 | Retain and protect existing gypsum board ceiling and roller shades at window cove |
| D5 | Demolish window sill |
| D6 | Remove whiteboard and return to Owner |
| D7 | Demolish existing furring to expose existing concrete block |
| D8 | Contractor to cut 2' x 2' opening in drywall to confirm presence of resilient channels. Notify consultant for review. |
| D9 | Refer to Electrical for removal of electrical panel |
| D10 | Existing hydronic control cabinets and electrical panels to remain. Refer to Mech and Elec |



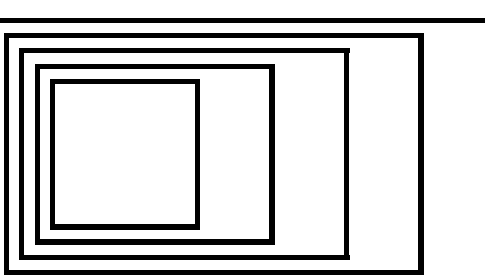
3 Level 1 - L1-26 - Demo Plan
1 : 100



4 Level 1 - L1-26 - Demo RCP
1 : 100



5 Level 1 Key Plan



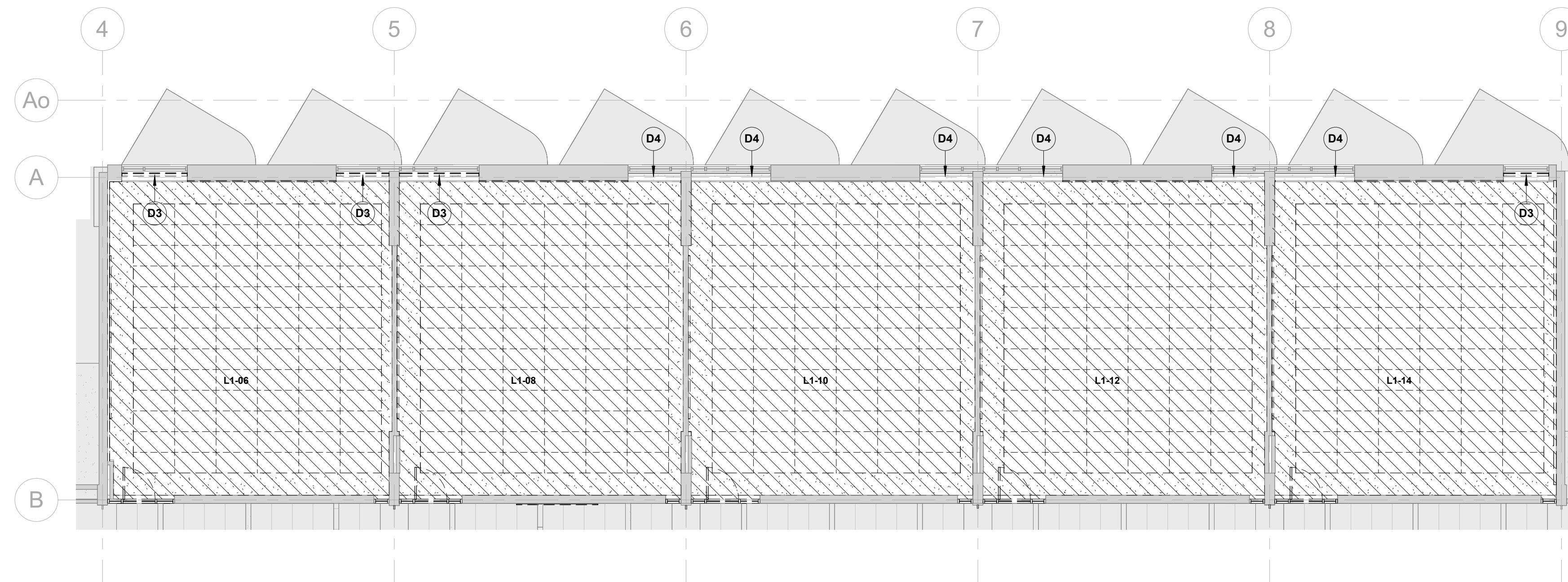
GOW HASTINGS ARCHITECTS

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416-920-0031
GOWHASTINGS.COM

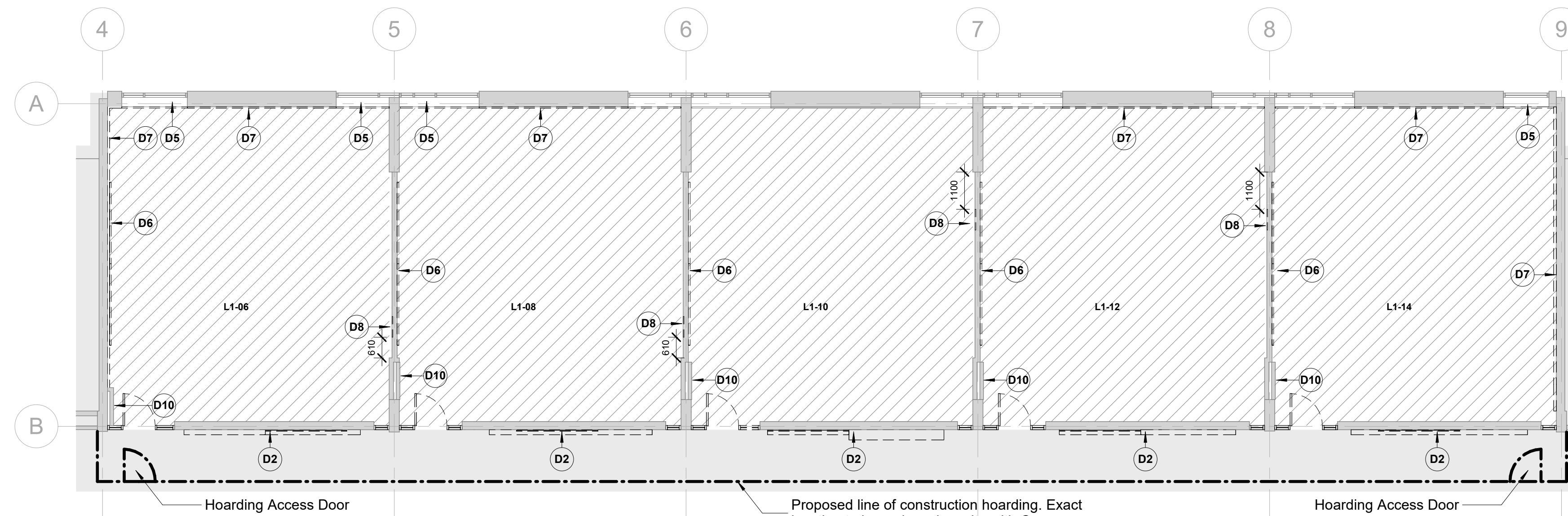
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DEMOLITION LEGEND

- Existing element to remain
- Existing wall to be demolished
- Existing element to be demolished
- Approximate extent of resilient sheet flooring to be removed
- Approximate extent of ceiling to be removed, retain light fixtures as indicated. 120 tiles in good condition to be handed over to the college for reuse. Refer to Electrical drawings for lighting demolition scope.
- GWB ceiling
- ACT ceiling
- Existing door, frame, sidelite & hardware to be removed. Hardware to be salvaged and returned to Owner.
- Approximate existing area not in architectural scope (NIC). Mechanical and Electrical scope extends into these areas as noted on M&E drawings.



2 Level 1 - L1-06 to L1-14 - Demo RCP
1 : 100



1 Level 1 - L1-06 to L1-14 - Demo Plan
1 : 100

| 3 | Issued for Addendum 01 | Feb 24th |
|-----|------------------------|----------|
| 1 | Issued for Demo Tender | Feb 19th |
| No. | ISSUED/REVISED | DATE |

Centennial Story Arts Centre Relocation

941 Progress Ave., Scarborough, ON, M1G 3T8

Demo Tender - Level 1 Demo Plans and RCPs



Scale: As indicated

Project Number: 25-111

Drawn By: AC

Checked By: SW

A-011

Specifications

Division 1
Refer to Centennial College's Instruction to Bidders.

Division 2 - Existing conditions

SECTION 02 41 19- Selective Interior Demolition

Part 1 - GENERAL

- Definitions:
 - Demolish: Detach items from existing construction and legally dispose of them off site, unless indicated to be removed and salvaged or removed and reinstalled.
 - Remove and Salvage: Detach items from existing construction and store where directed by the Owner.
 - Remove and Reinstall: Detach items from existing construction, prepare them for reuse, and reinstall them where indicated.
 - Existing to Remain: Existing items of construction that are not removed and that are not otherwise indicated as being removed, removed and salvaged, or removed and reinstalled.
- Administrative Requirements:
 - Pre Demolition Meeting: Convene pre-installation meeting 1 week prior to beginning work of this Section to:
 - Confirm extent of salvaged and demolished materials
 - Review Contractor's demolition plan
 - Verify existing site conditions adjacent to demolition work
- Submittals:
 - Schedule of Selective Demolition Activities:
 - Detailed sequence of selective demolition and removal work, with starting and ending dates for each activity.
 - Coordinate with Owner's user group ongoing site operations, and limit the number of interruptions during regular business hours.
 - Interruption of utility services.
 - Coordination for shutoff, capping, and continuation of utility services.
 - Use of elevator and stairs.
 - Locations of temporary partitions and means of egress, including for others affected by selective demolition operations.
 - Coordination with Owner's continuing occupancy of portions of existing building
 - Proposed Noise Control & Dust Control Plan
 - Inventory: Submit a list of items that have been removed and salvaged after selective demolition is complete
 - Pre demolition Photographs: Submit photographs indicating existing conditions of adjoining construction and site improvements prior to starting Work. Include finish surfaces that may be misconstrued as damage caused by selective demolition operations.
- Quality Assurance
 - Execute Work including hauling and disposal operations in accordance with requirements of authorities having jurisdiction
 - Demolition Firm Qualifications: An experienced firm that has specialized in demolition work similar in material and extent to that indicated for this Project
 - Conform to the provincial Occupational Health and Safety Act and Regulation.
 - Conform to Workers' Compensation Board Regulations.
 - Conform to City of local municipal bylaws and regulations governing this type of work.
- Site Conditions
 - Owner will occupy portions of building immediately adjacent to selective demolition area:
 - Conduct selective demolition so that Owner's operations will not be disrupted
 - Provide not less than 72 hours notice to Owner of activities that will affect Owner's operations.
 - Maintain access to existing means of egress, walkways, corridors, exits, and other adjacent occupied or used facilities
 - Owner assumes no responsibility for condition of areas to be selectively demolished. Conditions existing at time of Pre Bid Site Review will be maintained by Owner as far as practical.
 - Discovery of Hazardous Substances: It is not expected that Hazardous Substances will be encountered in the Work; immediately notify Consultant if materials suspected of containing hazardous substances are encountered. Hazardous materials will be removed by Owner under a separate contract or as a change to the Work

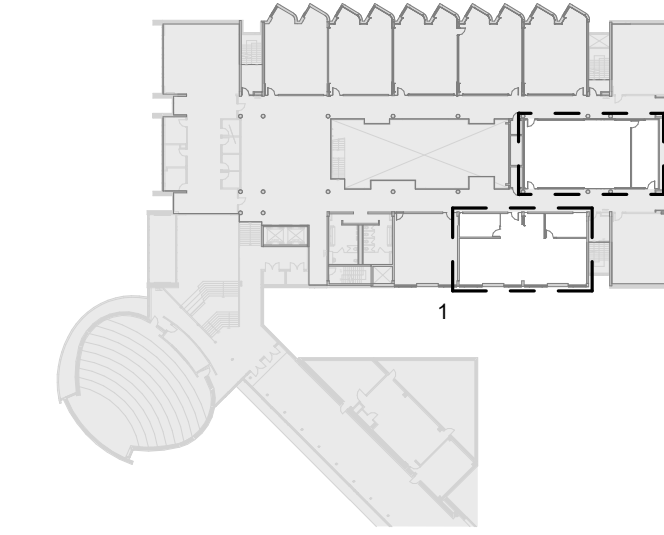
Part 2 - PRODUCTS

- Debris: Make all arrangements for transport and disposal of all demolished materials from the site.
- Equipment: Provide all equipment required for safe and proper demolition of the building interiors indicated
- Existing materials:
 - Refer to drawing notes and legends for items to be retained for re use in new construction. Confirm with Owner's Representative and Consultant any materials scheduled for re use that are not in re usable condition.
 - Materials that require removal become contractor's property and must be removed from, unless such materials are otherwise specified or shown on Drawings to be reused or salvaged

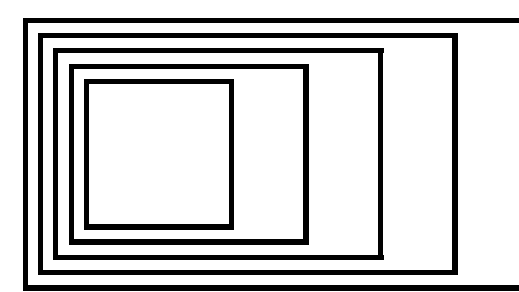
Part 3 - EXECUTION

- Preparation
 - Identify and mark all equipment and materials identified to be retained by Owner or to be re used in subsequent construction. Separate and store items to be retained in an area away from area of demolition and protect from accidental disposal.
 - Post warning signs on electrical lines and equipment that must remain energized to serve other areas during period of demolition.
 - Identify and Protect all electrical and communications service lines that are to remain.
 - Do not disrupt active or energized utilities crossing the demolition site.
 - Provide and maintain barricades, warning signs, protection for workmen and the public during the full extent of the Work. Read drawings carefully to ascertain extent of protection required.
- Hoarding
 - Erect temporary interior site enclosures using steel stud framing complete with taped and painted GWB finish. Hoarding wall to contain lockable pedestrian door access.
 - Refer to drawings for suggestion hoarding layout. All hoarding locations are to be reviewed and approved by the Owner on site prior to erection.
- Selective Demolition
 - Confine operations and workers to those parts of the building which are defined on Drawings.
 - Demolish and dismantle work in a neat and orderly manner and in strict accordance with all regulations.
 - At end of each day's work, leave Work in safe condition so that no part is in danger of toppling or falling.
 - Demolish in a manner to minimize dusting and to prevent migration of dust.
 - Selling or burning of materials on the site is not permitted.
 - Demolish existing carpet, resilient flooring and adhesive remnants to the greatest extent possible using scrapping tools.
 - Contractor shall sort demolition and construction waste and recycle materials where practical and reasonable, diverting them from landfill whenever feasible.
 - Do not disturb adjacent items designated to remain in place. Patch and repair all existing-to-remain walls, floor and ceilings damaged during demolition with matching materials.
- Protection
 - Provide protection for finished and partially finished building finishes and equipment during performance of Work. Contractor shall be responsible for damage incurred due to lack of or improper protection.
 - Arrange demolition and shoring work so that interference with the use of adjoining areas by the Owner and end users is minimized.
 - Maintain safe access to and egress from occupied areas adjoining.
 - Provide and maintain fire prevention equipment and alarms accessible during demolition
- Cleaning
 - Promptly as the Work progresses, and on completion, clean up and remove from the site all rubbish and surplus material. Remove rubbish resulting from demolition work daily.
 - Maintain access to exits clean and free of obstruction during removal of debris.
 - Leave building in a "broom-clean" condition on completion of work to Owner's satisfaction.
 - Keep surrounding and adjoining roads, lanes, sidewalks, municipal rights of way clean and free of dirt, soil or debris that may be a hazard to vehicles or persons.

| Drawing Notes | |
|---------------|---|
| Note | Description |
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5 Level 2 Key Plan



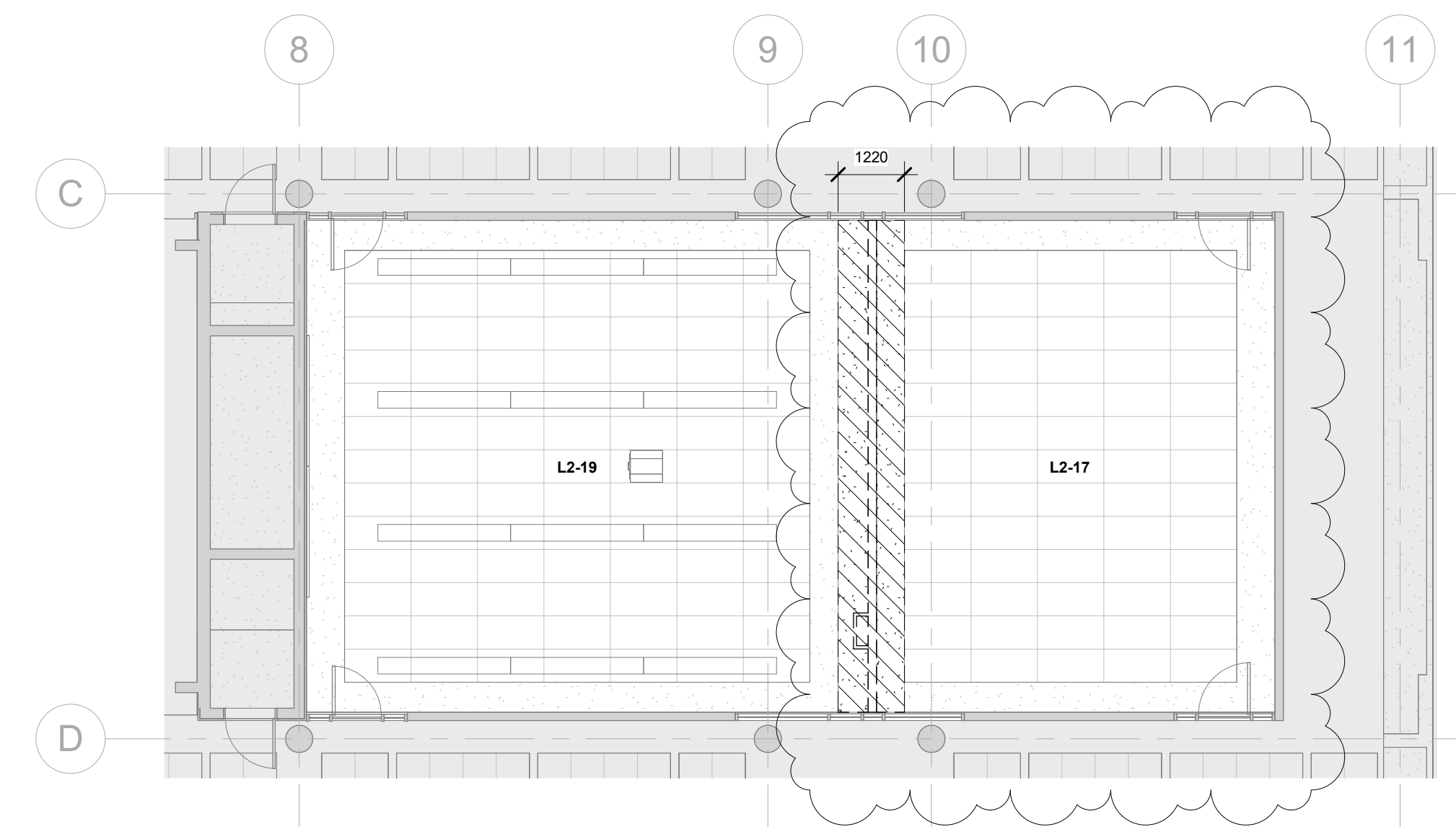
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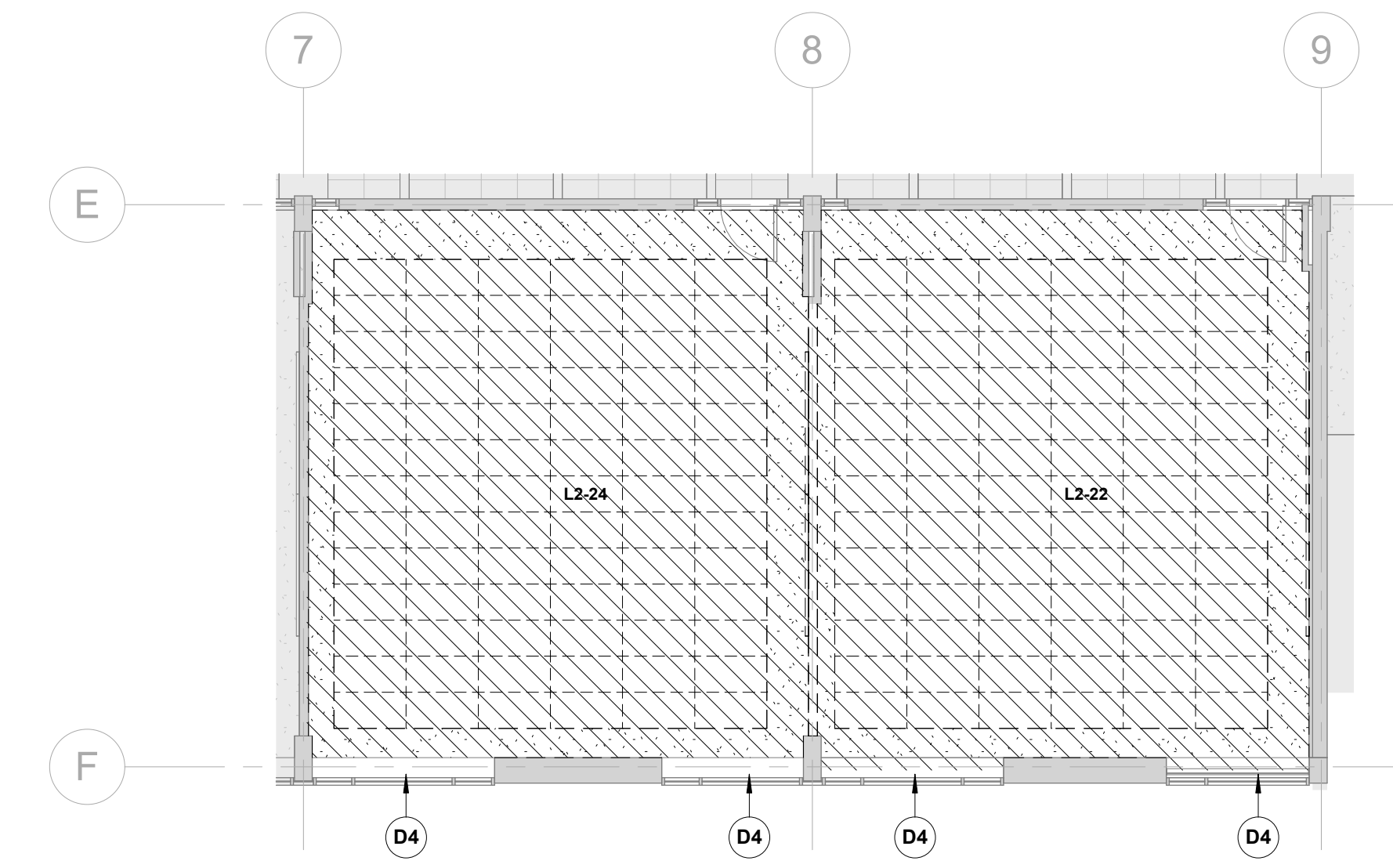
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DEMOLITION LEGEND

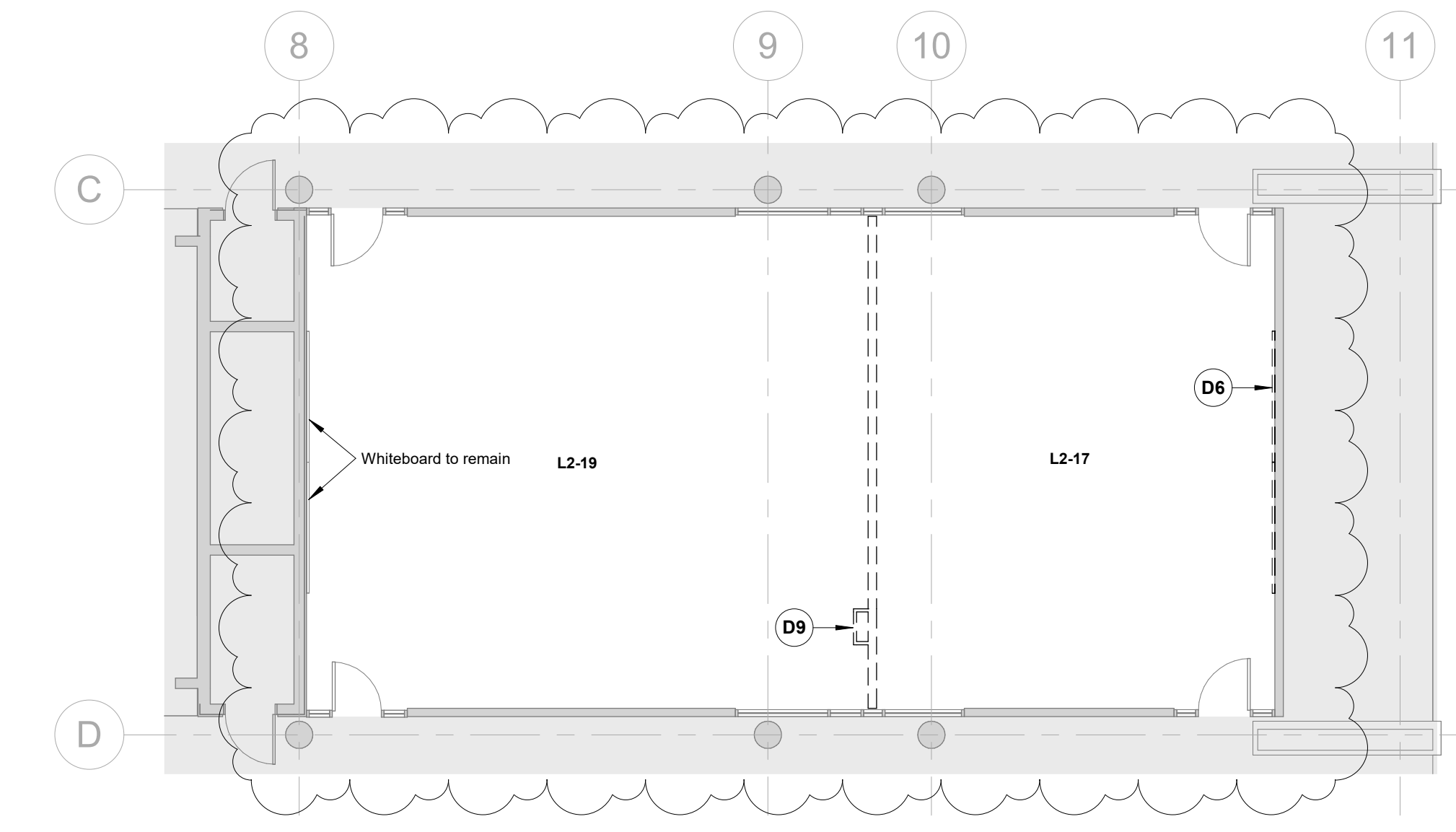
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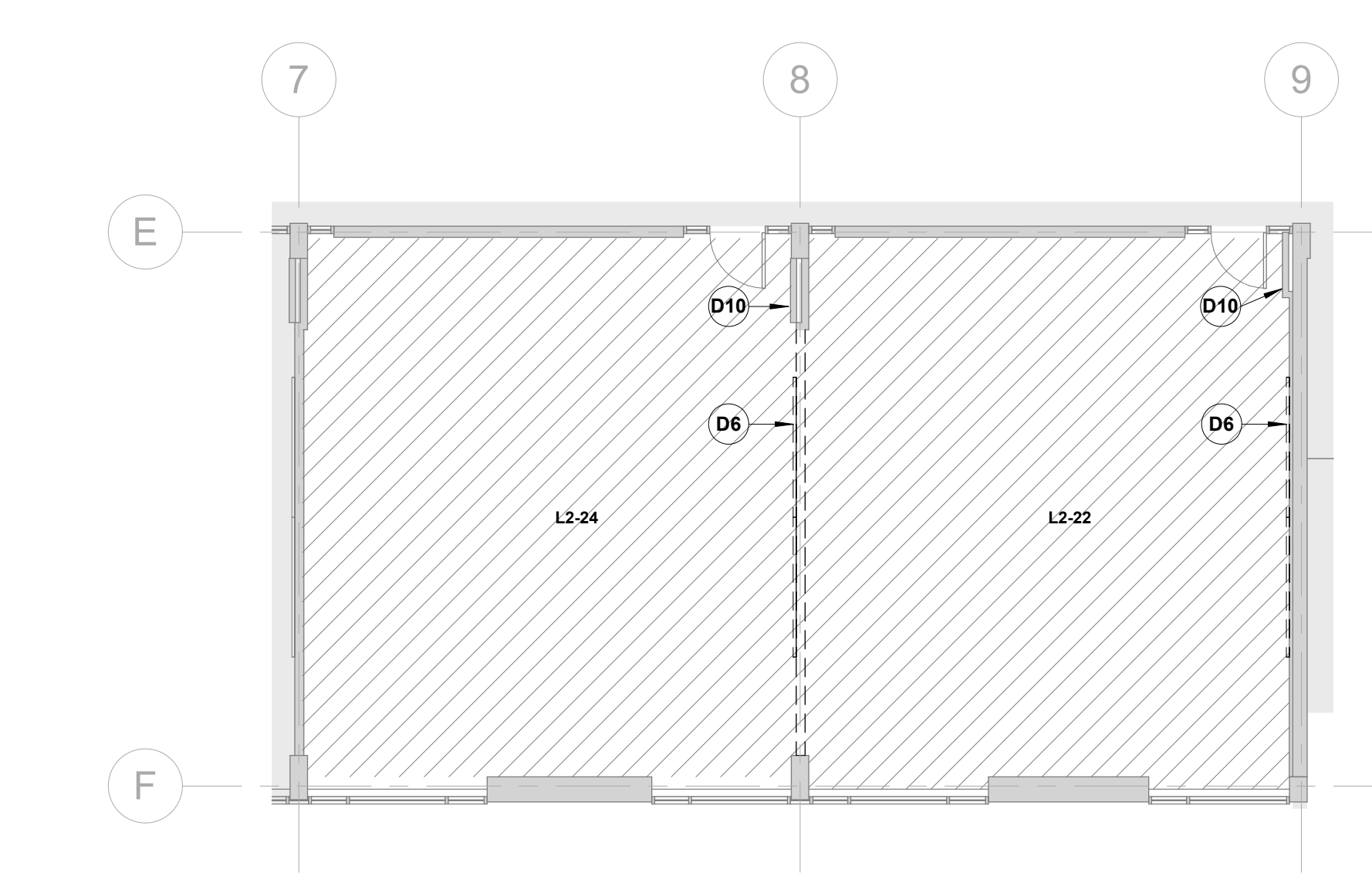
4 Level 2 - L2-17 & L2-19 - Demo RCP
1 : 100



3 Level 2 - L2-22 & L2-24 - Demo RCP
1 : 100



2 Level 2 - L2-17 & L2-19 - Demo Plan
1 : 100



1 Level 2 - L2-22 & L2-24 - Demo Plan
1 : 100

| | | |
|-----|------------------------|----------|
| 3 | Issued for Addendum 01 | Feb 24th |
| 1 | Issued for Demo Tender | Feb 19th |
| No. | ISSUED/REVISED | DATE |

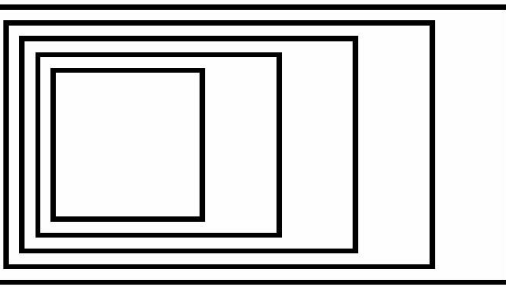
Centennial Story Arts Centre
Relocation

941 Progress Ave., Scarborough, ON, M1G 3T8

**Demo Tender - Level 2
Demo Plans and RCPs**

| | |
|------------------------|----------------|
| Scale: As indicated | Project North |
| Project Number: 25-111 | |
| Drawn By: AC | Checked By: SW |
| Checked By: SW | |

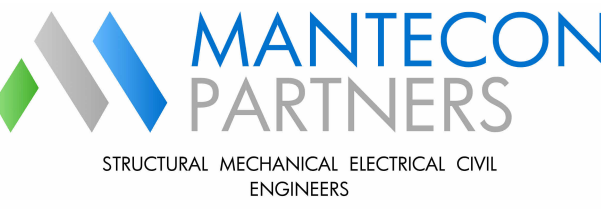
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15 Foundry Street, Dundas, ON, L9H 2V6
Phone: (905)48-0373 www.manteconpartners.com

List - Mechanical Sheets

| DWG No. | DRAWING NAME | REVISION | DESCRIPTION | DATE |
|---------|---|----------|-----------------------|------------|
| MD-000 | LEAD SHEET (DRAWING LIST, LEGEND & NOTES) | 4 | Issued for Addendum 1 | 2026-02-24 |
| MD-001 | HVAC SPECIFICATIONS | 4 | Issued for Addendum 1 | 2026-02-24 |
| MD-002 | MECHANICAL KEY PLAN | 4 | Issued for Addendum 1 | 2026-02-24 |
| MD-100 | LEVEL 1 HVAC DEMOLITION PLAN | 4 | Issued for Addendum 1 | 2026-02-24 |
| MD-101 | LEVEL 2 HVAC DEMOLITION PLAN | 4 | Issued for Addendum 1 | 2026-02-24 |

TAG SYMBOLS

| DUCT | | PIPING | |
|-----------------------------|--------------------------------|----------------------------|--|
| FOT/FOB/SU/SD/= | DUCT SET - SU/SD FROM TOP | System Abb. - Size - Slope | PIPING SYSTEM - ABBREVIATION, SIZE & SLOPE |
| System Abb. 300 x 400mm | DUCT SIZE - SIZE, ABBREVIATION | | PIPE FITTING - SIZE |
| 300 ø | FLEX DUCT SIZE - DIAMETER | Size | |
| MECHANICAL EQUIPMENT | | | |
| ii | MECHANICAL EQUIPMENT - MARK | Diameter ø | PIPING (FLEX) - SIZE |
| | | | |
| ii | DIFFUSER - FLOW & SIZE | Space Name | SPACE TAG - NAME, NUMBER, AREA, VOLUME |
| 100 L/s Size | | 101 150 m ² | |
| Type Mark | PLUMBING FIXTURE - TYPE MARK | Zone Name | SPACE TAG - NAME, NUMBER, AREA, VOLUME |
| S1 | | | |
| PLUMBING | | | |
| Mark | PLUMBING EQUIPMENT - MARK | | |
| Type Mark | PLUMBING FIXTURE - TYPE MARK | | |

VALVE SYMBOLS

| | |
|--------|---|
| ⊘ | GATE VALVE |
| ⊘ | GLOBE VALVE |
| ⊘ 3/4" | GATE VALVE WITH 3/4" HOSE ADAPTER |
| ⊘ | CHECK VALVE |
| ⊘ | ANGLE GLOBE VALVE (Schematic Only) |
| ⊘ | BUTTERFLY VALVE |
| ⊘ | BALL VALVE |
| ⊘ | CIRCUIT SETTER |
| ⊘ | STRAIGHT-THRU MODULATING CONTROL VALVE |
| ⊘ | STRAIGHT-THRU TWO POSITION CONTROL VALVE |
| ⊘ | THREE-WAY MODULATING CONTROL VALVE |
| ⊘ | AUTOMATIC FLOW CONTROL VALVE (Schematic) |
| ⊘ | SAFETY OR PRESSURE RELIEF VALVE (Schematic) |
| ⊘ | PRESSURE REDUCING VALVE |
| ⊘ | MANUAL AIR VENT (Schematic) |
| ⊘ | TEST PLUG (PRESSURE/TEMPERATURE)(Schematic) |
| ⊘ | SAFETY VALVE (Schematic) |
| ⊘ | RELIEF VALVE |

GENERAL NOTES - GENERIC

- REFER TO SITE AND OWNER INSTRUCTIONS FOR PHASING AND STAGING.
- COORDINATE WITH STRUCTURAL TO PROVIDE OPENINGS AND SLEEVES THROUGH STRUCTURAL ELEMENTS.
- PENETRATIONS OF CONCRETE SHALL BE SAW CUT OR CORE BORED. IMPACT HAMMERS ARE NOT ALLOWED. SEAL ALL DUCTWORK AND SLEEVES TO PREVENT LEAKAGE THROUGH FLOOR.
- DO NOT SCALE DRAWINGS. OBTAIN DIMENSIONS FROM ARCHITECTURAL PLANS, SHOP DRAWINGS AND SITE INSPECTIONS.
- MECHANICAL AND ELECTRICAL TRADES SHALL COORDINATE TO AVOID INTERFERENCE.
- COORDINATE THROUGH GENERAL CONTRACTOR PRIOR TO INSTALLATION OF EQUIPMENT, DUCTWORK AND CONTROLS.
- SUPPORT CEILING MOUNTED EQUIPMENT INDEPENDENT OF CEILING SUPPORT SYSTEM.
- REFER TO ARCHITECTURAL FOR OWNER SUPPLIED EQUIPMENT AND CONFIRM MECHANICAL REQUIREMENTS.
- REVIEW ALL DRAWINGS AND INSPECT SITE PRIOR TO SUBMITTING BID.
- INSTALLATIONS SHALL COMPLY WITH CODES AND INSPECTION AUTHORITIES FOR THE CITY OF HAMILTON.
- MAINTAIN MECHANICAL SERVICES TO OCCUPIED AREAS DURING PHASING. PROVIDE TEMPORARY SERVICES AS REQUIRED.
- VERIFY EXACT SIZE AND LOCATION OF ALL EXISTING SERVICES ON SITE.
- DRAWINGS AND SPECIFICATIONS ARE INTEGRATED. MOST ONEROUS CONDITION GOVERNS IN CASE OF CONFLICT.
- FIRE OR SMOKE BARRIER PENETRATIONS SHALL BE SLEEVED AND SEALED WITH SUITABLE NON COMBUSTIBLE MATERIALS.
- AVOID DIRECT CONTACT BETWEEN PIPING, DUCTING AND ELECTRICAL CONDUIT SYSTEMS.
- ALLOW FOR REMOVAL AND REINSTALLATION OF EXISTING CEILING TILES WHERE AFFECTED.
- INSTALLATION SHALL BE COMPLETE AND FULLY FUNCTIONAL.
- PROVIDE ACCESS FOR SERVICING EQUIPMENT AS REQUIRED BY CODE AND MANUFACTURER.
- PROVIDE ACCESS DOORS FOR VALVES, DAMPERS AND COMPONENTS REQUIRING MAINTENANCE.
- INSTALL EQUIPMENT PARALLEL OR PERPENDICULAR TO BUILDING LINES AND PROVIDE SPACE FOR SERVICING.
- WITH OWNER APPROVAL AND AT NO ADDITIONAL COST, REMOVE OR RELOCATE OBSTRUCTIONS INTERFERING WITH NEW WORK.
- COORDINATE SHUTDOWNS WITH OWNER AND INCLUDE PREMIUM TIME IN CONTRACT IF REQUIRED.
- WHERE CONFLICTS OCCUR BETWEEN DRAWINGS AND MANUFACTURER INSTRUCTIONS, MANUFACTURER INSTRUCTIONS GOVERN.
- INSTALLATIONS SHALL COMPLY WITH CODES, STANDARDS AND INSPECTION AUTHORITIES.
- CONTRACTOR MUST FIELD CONFIRM ALL EXISTING SERVICES.
- VERIFY CONNECTION POINTS TO EXISTING SERVICES ON SITE.
- VERIFY LOCATIONS WITH OTHER TRADES AND RESOLVE CONFLICTS.
- PROVIDE ACCESS DOOR FOR VALVES ABOVE DRYWALL CEILINGS.
- AVOID ACCESS DOORS IN GYPSUM CEILINGS WHERE POSSIBLE. SUBMIT LAYOUT FOR APPROVAL IF REQUIRED.
- REFER TO STRUCTURAL DRAWINGS BEFORE CUTTING THROUGH SLAB.
- PROVIDE SIGN IDENTIFYING LOCATION OF ALL VALVES INSTALLED IN CEILING SPACE.

GENERAL NOTES - PLUMBING

- CLEAR EXISTING DUCTWORK WHEN INSTALLING NEW PIPING.
- PROVIDE CLEANOUT AT BOTTOM OF EVERY SOIL AND WASTE STACK CONNECTED TO HORIZONTAL DRAINAGE PIPE.
- PROVIDE CLEANOUTS AT PLUMBING FIXTURES AS REQUIRED BY ONTARIO BUILDING CODE PART 7.
- ALL PLUMBING FIXTURES INCLUDING FLOOR DRAINS TO BE TRAPPED AND VENTED AS REQUIRED BY CODE.
- PROVIDE ACCESS DOORS FOR CLEANOUTS ABOVE DRYWALL CEILINGS.
- REMOVE OBSOLETE PIPING WHERE POSSIBLE.
- ENSURE EXISTING PIPING REMAINS IN SERVICE UNTIL RECONNECTED TO NEW SERVICES.
- RECONNECT VENTS FROM EXISTING EQUIPMENT AND FIXTURES TO NEW VENTS AS REQUIRED.
- INSTALL UNDER COUNTER WATER PIPING TIGHT TO UNDERSIDE OF COUNTER.
- ALL WATER, SANITARY, SEWER AND VENT COPPER PIPING WITH SOLDER JOINTS SHALL BE LEAD FREE. DO NOT INSTALL WATER LINES IN EXTERIOR WALLS UNLESS PROPERLY INSULATED.
- INSTALL SHUT OFF VALVES AT EACH PLUMBING FIXTURE.
- DEMOLITION PIPING SHALL BE TAKEN BACK TO NEAREST WORKING MAIN AND CAPPED TO AVOID DEAD LEG LENGTHS. REFER TO CSA CODE Z317 SPECIAL REQUIREMENTS FOR PLUMBING INSTALLATIONS IN HEALTH CARE FACILITIES 6.4.1.3.

LEGEND - HVAC

| REFER | DESCRIPTION |
|-------|--|
| | POSITIVE PRESSURE (SUPPLY) DUCT UP |
| | POSITIVE PRESSURE (SUPPLY) DUCT UP |
| | NEGATIVE PRESSURE (RETURN) DUCT UP |
| | POSITIVE PRESSURE (SUPPLY) DUCT DOWN |
| | POSITIVE PRESSURE (SUPPLY) DUCT DOWN |
| | NEGATIVE PRESSURE (RETURN) DUCT DOWN |
| | EXISTING DUCTWORK TO BE REMOVED |
| | EXISTING DUCTWORK TO REMAIN |
| | NEW DUCTWORK |
| | FLEXIBLE DUCTWORK APPROVAL REQ. FOR USE (5'-0" MAX) |
| | CROSSHATCHING ON DUCTWORK INDICATES 1" (25mm) DUCT |
| | DUCTWORK WITH INSULATION |
| | DUCT IN FIREPROOF ENCLOSURE |
| | SUPPLY AIR DIFFUSER (SQUARE) |
| | LINEAR OR SLOT DIFFUSER WITH PLENUM LINING AS SPECIFIED. |
| | SUPPLY AIR DIFFUSER (ROUND) |
| | SIDEWALL GRILLE |
| | RETURN/EXHAUST GRILLE |
| | FULL RADIUS DUCT CONNECTION |
| | TAP-IN DUCT CONNECTION |
| | ROUND DUCT CONNECTION |
| | TURNING VANES |
| | FIRE DAMPER |
| | EXISTING FIRE DAMPER |
| | REMOVE FIRE DAMPER |
| | FIRE DAMPER/SMOKE DAMPER |
| | MOTORIZED DAMPER |
| | EXISTING MOTORIZED DAMPER |
| | BALANCING DAMPER |
| | OPEN EHD DUCT |
| | THERMOSTAT |
| | U/C UNDERCUT |
| | CAP |
| | SILENCER |

LEGEND - PLUMBING

| REFER | DESCRIPTION |
|-------|---|
| | DOMESTIC COLD WATER PIPING |
| | DOMESTIC HOT WATER PIPING |
| | DOMESTIC HOT WATER RECIRC. PIPING |
| | HYDRONIC HOT WATER SUPPLY PIPING |
| | HYDRONIC HOT WATER RETURN PIPING |
| | VENT PIPING |
| | SANITARY PIPING ABOVE FLOOR |
| | SANITARY PIPING BELOW GRADE OR FLOOR |
| | STORM PIPING ABOVE FLOOR |
| | STORM PIPING BELOW GRADE OR FLOOR |
| | TEMPERED WATER PIPING |
| | REVERSE OSMOSIS SUPPLY PIPING |
| | AIR PIPING |
| | VACUUM PIPING |
| | GAS PIPING |
| | COMPRESSED AIR PIPING |
| | PIPING TO BE REMOVED |
| | CAPPED PIPE |
| | FLOOR DRAIN |
| | FUNNEL FLOOR DRAIN |
| | HUB DRAIN |
| | AREA DRAIN |
| | FLOOR SINK DRAIN |
| | ROOF DRAIN |
| | CANOPY DRAIN |
| | BALCONY DRAIN |
| | ELEVATOR PIT DRAIN C/W BACK WATER VALVE |
| | CLEANOUT IN FLOOR |
| | CLEANOUT IN LINE OR STACK |
| | WATER METER |
| | GAS METER |
| | ISOLATION/GATE VALVE |
| | THROTTLING VALVE |
| | CHECK VALVE |
| | CHECK VALVE C/W BALL DRIP VALVE |
| | STRAINER |
| | GAS VALVE |
| | REDUCED PRESSURE BACKFLOW PREVENTER |
| | DUAL CHECK W/ ATMOSPHERIC PORT BACKFLOW PREVENTER |
| | VACUUM BREAKER - PRESSURE TYPE |
| | PRESSURE REDUCING VALVE (WATER) |
| | VENT THROUGH ROOF |
| | 3-WAY VALVE |
| | TEMPERATURE & PRESSURE RELIEF VALVE |

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|---|------------------------------|------------|
| 4 | Issued for Addendum 1 | 2026-02-24 |
| 3 | Issued for Tender Demolition | 2026-02-13 |
| 2 | Issued For Progress Review | 2026-02-06 |
| 1 | Issued For 50% DD SET | 2026-01-16 |

| No. | ISSUED/REVISED | DATE |
|-----|----------------|------|
|-----|----------------|------|

Centennial Story Arts Centre
Relocation

941 PROGRESS AVENUE
SCARBOROUGH, ONTARIO M1G 3T8

LEAD SHEET (DRAWING LIST, LEGEND & NOTES)

Project North

Scale: As indicated

Project Number:
25-120

Drawn By:
N.O

Checked By:
M.V

MD-000

MECHANICAL SPECIFICATIONS - GENERAL 25-120

- 1 GENERAL
- 1.1 GENERAL REQUIREMENTS
 - 1 READ AND CONFORM TO
 - 1 THE CONTRACT CDC2 2-2020, STIPULATED PRICE CONTRACT AS AMENDED.
 - 2 DIVISION 1 REQUIREMENTS AND DOCUMENTS REFERRED TO THEREIN.
 - 2 THE SECTION APPLIES TO AND GOVERNS THE WORK OF DIVISION 23.
 - 2 THE TECHNICAL SECTIONS OF THIS DIVISION ARE GENERALLY DIVIDED INTO UNITS OF WORK FOR THE PURPOSE OF READY REFERENCE.
 - 4 THE DIVISION OF THE WORK AMONG SUBCONTRACTORS IS NOT THE CONSULTANT'S RESPONSIBILITY AND THE CONSULTANT ASSUMES NO RESPONSIBILITY TO ACT AS AN ARBITER AND/OR TO ESTABLISH SUBCONTRACT LIMITS BETWEEN ANY SECTIONS OF THE WORK.
 - 5 THE SPECIFICATIONS ARE INTEGRAL WITH THE DRAWINGS WHICH ACCOMPANY THEM. NEITHER IS TO BE USED ALONE. ANY ITEM OR SUBJECT OMITTED FROM ONE BUT IMPLIED IN THE OTHER IS FULLY AND PROPERLY REQUIRED.
 - 6 WHEREVER DIFFERENCES OCCUR IN THE TENDER DOCUMENTS, THE MOST ONEROUS CONDITION GOVERNS. BASE THE BID ON THE COSTLIEST ARRANGEMENT.
- 1.2 DEFINITIONS
 - 1 THE FOLLOWING ARE DEFINITIONS OF WORDS FOUND IN THIS SPECIFICATION AND ON ASSOCIATED DRAWINGS UNDER THIS DIVISION.
 - 1 "CONCEALED" LOCATIONS HIDDEN FROM NORMAL SIGHT IN FURRED SPACES, SHAFTS, CEILING SPACES, WALLS, AND PARTITIONS.
 - 2 "EXPOSED" MECHANICAL WORK NORMALLY VISIBLE TO BUILDING OCCUPANTS.
 - 3 "FURNISH" (AND ITS DERIVATIVES) HAS THE SAME MEANING AS THE TERM "SUPPLY" (AND ITS DERIVATIVES). RECEIVE, STORE AND HANDLE AT THE SITE, MOUNT AND SUPPORT AND CONNECT ALL REQUIRED SERVICES, INCLUDING ADJUSTMENT AND CALIBRATION, TESTING, COMMISSIONING, INSPECTION BY AUTHORITIES HAVING JURISDICTION AND DOCUMENTATION.
 - 5 "PROVIDE" (AND ITS DERIVATIVES) - SUPPLY, INSTALL IN PLACE, CONNECT THE ASSOCIATED REQUIRED SERVICES READY FOR OPERATION, ADJUST AND CALIBRATE, TEST, COMMISSIONING AND DOCUMENTATION. INCLUDES INSPECTION BY AUTHORITIES HAVING JURISDICTION.
 - 6 "SUPPLY" (AND ITS DERIVATIVES) PURCHASE AND DELIVER TO THE SITE FOR INSTALLATION, INCLUDES SUBMITTALS, MANUFACTURER'S FIELD INSPECTION AND WARRANTY.
 - 7 "MET" LOCATIONS EXPOSED TO MOISTURE, REQUIRING SPECIAL MATERIALS AND ARRANGEMENT.
- 1.3 WORK INCLUDED
 - 1 PRODUCTS AND METHODS MENTIONED OR SHOWN IN THE CONTRACT DOCUMENTS COMPLETE WITH INCIDENTALS NECESSARY FOR A COMPLETE OPERATING INSTALLATION. PROVIDE TOOLS, EQUIPMENT AND SERVICES REQUIRED TO DO THE WORK.
 - 2 IDENTIFICATION OF EQUIPMENT, PIPING, DUCTWORK, VALVES, AND CONTROLLERS.
 - 3 MOTORS REQUIRED FOR EQUIPMENT SUPPLIED UNDER THIS DIVISION.
 - 4 VARIABLE FREQUENCY DRIVES FOR MOTORS AND EQUIPMENT SUPPLIED BY THIS DIVISION.
 - 5 INTERNAL WIRING, RELAYS, CONTACTORS, SWITCHES, TRANSFORMERS, MOTOR STARTERS, AND ALL CONTROLS NECESSARY FOR THE INTENDED OPERATION, FURNISHED WITH TERMINALS AND EXTERNAL CONTROLS LOCATED ON OR PASSING THROUGH ROOFS WILL BE PROVIDED UNDER DIVISION 7. SUPPLY COUNTER FLASHINGS, AND INTEGRAL FLASHING COLLARS ON EQUIPMENT AND PIPING UNDER THIS DIVISION.
 - 4 PAINTINGS OF EXPOSED PIPING AND DUCTWORK OTHER THAN FOR IDENTIFICATION WILL BE SUPPLIED UNDER DIVISION 5.
- 1.5 SUBMITTALS
 - 1 APPROVAL DRAWINGS: PREPARE AND SUBMIT DRAWINGS NECESSARY FOR APPROVAL TO ANY AUTHORITY HAVING JURISDICTION UNDER PART 1: GENERAL OF EACH SECTION. PROVIDE RETENTION BY CONSULTANT PRIOR TO COMMENCEMENT OF WORK UNDER THIS DIVISION.
 - 2 SHOP DRAWINGS: PREPARE AND SUBMIT TWO (2) HARD COPIES AND ONE (1) ELECTRONIC COPY OF SHOP DRAWINGS OF MAJOR EQUIPMENT ITEMS INCLUDING THOSE ITEMS SPECIFICALLY INDICATED UNDER PART 1: GENERAL OF EACH SECTION. TO THE CONSULTANT FOR REVIEW. THE CONSULTANT WILL RETURN ONE COPY, MARKED WITH COMMENTS AND HIS REVIEW STAMP AS DEEMED APPROPRIATE. PREPARE THE NECESSARY NUMBER OF COPIES AND RETURN THE SET TO THE OWNER, THE PRIME CONSULTANT, THE GENERAL CONTRACTOR, THE SITE, AND TO SUBCONTRACTORS AND SUPPLIERS.
 - 1 CLEARLY INDICATE MANUFACTURER'S AND SUPPLIER'S NAMES, CATALOGUE MODEL NUMBERS, DETAILS OF CONSTRUCTION, ACCURATE DIMENSIONS, IDENTITIES AND PERFORMANCE. PRIOR TO SUBMISSION CHECK AND CERTIFY AS CORRECT. SHOP DRAWINGS AND DATA SHEETS. DO NOT ORDER EQUIPMENT UNTIL A COPY OF THE SHOP DRAWINGS, REVIEWED BY CONSULTANT, HAS BEEN RETURNED TO CONTRACTOR.
 - 2 CLEARLY INDICATE THE WEIGHT, LOCATION, METHOD OF SUPPORT AND ANCHOR POINT FORCES AND LOCATIONS FOR EACH PIECE OF EQUIPMENT ON SHOP DRAWINGS.
 - 3 THE CONSULTANT WILL NOT REVIEW SHOP DRAWINGS THAT FAIL TO BEAR THE CONTRACTOR'S STAMP OF APPROVAL OR CERTIFICATION.
 - 4 READ THE FOLLOWING IN CONNECTION WITH THE WORKING ON THE SHOP DRAWING REVIEW STAMP APPLIED TO EACH AND EVERY DRAWING SUBMITTED.

"THIS REVIEW BY THE CONSULTANT IS FOR THE SOLE PURPOSE OF ASCERTAINING CONFORMANCE WITH GENERAL DESIGN CONCEPT. THIS REVIEW SHALL NOT MEAN THAT THE CONSULTANT APPROVES THE DETAIL DESIGN INHERENT IN THE SHOP DRAWINGS. RESPONSIBILITY FOR WHICH SHALL REMAIN WITH THE CONTRACTOR SUBMITTING SAME, AND SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY FOR ERRORS OR OMISSIONS OR OF THE SHOP DRAWINGS OR OF HIS RESPONSIBILITY FOR MEETING ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR DIMENSIONS TO BE CONFIRMED AND CORRELATED AT THE JOB SITE. FOR INFORMATION THAT PERTAINS SOLELY TO FABRICATION PROCESSES OR TO TECHNIQUES OF CONSTRUCTION AND INSTALLATION AND FOR COORDINATION OF THE WORK OF ALL SUB TRADES."
 - 3 COMPOSITE WIRING DIAGRAMS: PREPARE AND SUBMIT THREE (3) COPIES OF COMPLETE COMPOSITE WIRING DIAGRAMS OF EACH SPECIFIC MECHANICAL SYSTEM, INDICATE ALL ELECTRICAL EQUIPMENT AND WIRING, BOTH INTERNAL AND EXTERNAL, FOR REVIEW AND COORDINATION OF TRADES.
 - 4 CONTRACTOR'S MATERIAL AND TEST CERTIFICATES: PREPARE AND SUBMIT CERTIFICATES FOR EACH SYSTEM INSTALLED WHERE CERTIFICATES ARE PRESCRIBED BY REGULATIONS, CODES OR STANDARDS ENSURE THEY CONFORM TO THE REQUIREMENTS OF THOSE DOCUMENTS. INCLUDE A COPY OF EACH CERTIFICATE IN THE OPERATION AND MAINTENANCE MANUAL. CERTIFICATES SHALL INCLUDE THE FOLLOWING:
 - 1 DESCRIPTION OF THE SYSTEM (DESCRIPTION AND TYPE).
 - 2 DESCRIPTION OF THE TESTS CONDUCTED, AND RESULTS OBSERVED, INCLUDING RE-TESTING, WHERE NECESSARY.
 - 3 DESCRIPTION OF ANY CORRECTIVE MEASURES UNDERTAKEN.
 - 4 DESCRIPTION OF MATERIALS USED (PIPE AND FITTINGS).
 - 5 LIST OF WITNESSES FOR EACH TEST CONDUCTED.
 - 6 DATE SYSTEM LEFT READY FOR SERVICE.
 - 7 SIGNATURE OF INSTALLING CONTRACTOR.
 - 5 DIRECTORIES & SCHEMATICS
 - 1 SUBMIT FIVE (5) COPIES OF A NEAT TYPEWRITTEN DIRECTORY INDICATING THE VALVE NUMBER, RELATED SERVICE, AND LOCATION OF EACH VALVE UNDER THIS DIVISION.
 - 2 SUBMIT FIVE (5) COPIES OF SYSTEM CONTROL SCHEMATICS FOR EACH MECHANICAL SYSTEM INDICATING RELATIVE LOCATIONS OF EQUIPMENT AND CONTROL DEVICES.
 - 3 ENCLOSE ONE (1) COPY OF EACH DIRECTORY/SCHEMATIC UNDER GLASS IN A NEAT POLISHED 18" X 24" (460 MM X 610 MM) METAL FRAME, COMPLETE WITH MOUNTING CLIPS.
- 6 MAINTENANCE DATA AND OPERATING INSTRUCTIONS
 - 1 SUBMIT THREE (3) COPIES OF OPERATION AND MAINTENANCE MANUAL INDIVIDUALLY BOUND IN HARD BACKED THREE-RING BINDERS.
 - 2 ENSURE THE BINDER SPINES HAVE TYPEWRITTEN LETTERING AS FOLLOWS:

OPERATION & MAINTENANCE MANUAL

FOR

(INSERT PROJECT NAME)

(INSERT DATE OF SUBMISSION)

DIVISION 23 00 00
 - 3 PROVIDE A LIST OF NAMES, ADDRESSES AND TELEPHONE NUMBERS OF EQUIPMENT SUPPLIERS, INSTALLING CONTRACTORS, GENERAL CONTRACTORS, ARCHITECT AND CONSULTANT. INCLUDE SPECIAL TELEPHONE NUMBERS FOR SERVICE DEPARTMENTS ON NORMAL AND EMERGENCY CALL BASIS.
 - 4 PROVIDE DESCRIPTIVE LITERATURE (SHOP DRAWINGS) OF EACH MANUFACTURED ITEM. INCLUDE A BILL OF MATERIAL WITH PURCHASE ORDER NUMBERS AND VENDORS IDENTIFICATION OF EQUIPMENT ORDERS FOR EACH ITEM.
 - 5 INCLUDE COPIES OF START-UP REPORTS AND CHECKLISTS AND ALL CERTIFICATES ISSUED WITH RESPECT TO THIS CONTRACT.

MECHANICAL SPECIFICATIONS - GENERAL 25-120

- 6 ENSURE OPERATING INSTRUCTIONS INCLUDE THE FOLLOWING:
 - 1 GENERAL DESCRIPTION OF EACH MECHANICAL SYSTEM.
 - 2 STEP BY STEP PROCEDURE TO FOLLOW IN PUTTING EACH PIECE OF EQUIPMENT INTO SERVICE.
 - 3 SCHEMATIC CONTROL DIAGRAMS FOR EACH SEPARATE MECHANICAL SYSTEM, CONTROL THERMOMETERS, FREEZESTATS, FIRESTATS, PRESSURE GAUGES, AUTOMATIC VALVES, AND REFRIGERATION ACCESSORIES. MARK CORRECT OPERATING SETTINGS FOR EACH CONTROL DEVICE ON THESE DIAGRAMS.
 - 4 DIAGRAM OF THE ELECTRICAL CONTROL SYSTEM INDICATING THE WIRING OF RELATED ELECTRICAL COMPONENTS SUCH AS PE AND EP SWITCHES, FIRESTATS, FREEZESTATS, FUSES, INTERLOCKS, ELECTRICAL SWITCHES AND RELAYS.
 - 5 DRAWINGS OF EACH CONTROL PANEL INCLUDING TEMPERATURE CONTROL AND ELECTRICAL PANELS, COMPLETELY IDENTIFYING COMPONENTS ON THE PANELS AND THEIR FUNCTION.
- 7 ENSURE MAINTENANCE INSTRUCTIONS INCLUDE THE FOLLOWING:
 - 1 MANUFACTURER'S MAINTENANCE INSTRUCTIONS FOR EACH ITEM OF MECHANICAL EQUIPMENT INSTALLED UNDER THIS DIVISION. INSTRUCTIONS SHALL INCLUDE INSTALLATION INSTRUCTIONS, PARTS NUMBERS AND LISTS, NAME OF SUPPLIER AND MAINTENANCE AND LUBRICATION INSTRUCTIONS.
 - 2 SUMMARY LIST OF EACH ITEM OF MECHANICAL EQUIPMENT REQUIRING LUBRICATION, INDICATING THE NAME OF THE EQUIPMENT ITEM, LOCATION OF ALL POINTS OF LUBRICATION, TYPE OF LUBRICANT RECOMMENDED, AND FREQUENCY OF LUBRICATION.
 - 3 EQUIPMENT DIRECTORY INDICATING NAME, MODEL, SERIAL NUMBER, AND NAMEPLATE DATA OF EACH ITEM OF EQUIPMENT SUPPLIED, AND SYSTEM WITH WHICH IT IS ASSOCIATED.
 - 4 BALANCING AND TESTING REPORTS.
 - 5 COPY OF VALVE DIRECTORY.
- 7 AS-BUILT RECORDS: PREPARE AND SUBMIT COMPLETE AS-BUILT RECORDS PRIOR TO SUBSTANTIAL PERFORMANCE OF THE CONTRACT. REFER TO DIVISION 1 REGARDING REQUIREMENTS. SUBMIT TWO SETS OF AS-BUILT DRAWINGS IN AUTOCAD FORMAT SHOWING CHANGES TO CONCEALED DRAWINGS AND DOCUMENTATION. PROVIDE A COPY OF THE CONTRACT BY THE CONSULTANT AT A FEE OF \$300.00 PLUS \$25.00 PER SHEET UPON REQUEST.
- 1.6 QUALITY ASSURANCE
 - 1 CONFORM TO MINIMUM REQUIREMENTS OR BETTER OF PROVINCIAL AND LOCAL CODES, WHERE EXISTING, AND TO REQUIREMENTS OF LOCAL INSPECTION AUTHORITIES FOR EXECUTION OF WORK UNDER THIS DIVISION.
 - 2 ENSURE MATERIALS SUPPLIED UNDER THIS DIVISION CONFORM TO MINIMUM REQUIREMENTS AND RECOMMENDATIONS OR BETTER OF APPLICABLE STANDARDS OF THE FOLLOWING:
 - 1 USE LATEST EDITIONS AND AMENDMENTS IN EFFECT ON DATE OF BID CALL SUBJECT TO REQUIREMENTS OF OBC.
 - 2 ENSURE MATERIALS SUPPLIED UNDER THIS DIVISION CONFORM TO MINIMUM REQUIREMENTS AND RECOMMENDATIONS OR BETTER OF APPLICABLE STANDARDS OF THE FOLLOWING:
 - 1 INSURE TRADESMEN EMPLOYED ON THE PROJECT HOLD VALID TRADE CERTIFICATES/LICENSES AND MAKE A COPY AVAILABLE FOR REVIEW BY THE CONSULTANT AND/OR OWNER WHEN REQUESTED.
 - 2 ENSURE WELDING AND BRAZING IS EXECUTED BY CERTIFIED WELDERS IN ACCORDANCE WITH REGISTERED PROCEDURES.
 - 7 ENSURE REFRIGERATION WORK IS EXECUTED ONLY BY MECHANICS WITH VALID ODP CARDS.
- 1.7 PRODUCT DELIVERY, HANDLING AND STORAGE
 - 1 IMMEDIATELY AFTER LETTING OF CONTRACT, REVIEW MATERIAL AND EQUIPMENT REQUIREMENTS FOR THIS MEASUREMENTS, PROMPTLY WHEN REQUIRED BY ALL ITEMS, AND NOTIFY CONSULTANT OF ANY POTENTIAL DELAYS IN COMPLETION OF THIS PROJECT IN ORDER THAT REMEDIAL ACTION MAY BE TAKEN.
 - 2 STORE NEARLY OUT OF THE WAY AND PROTECTED FROM DAMAGE AND THEFT, MATERIALS AND EQUIPMENT SUPPLIED UNDER THIS DIVISION THAT ARE RECEIVED AT THE SITE BY THIS DIVISION.
- 1.8 JOB CONDITIONS
 - 1 VISIT SITE AND EXAMINE EXISTING CONDITIONS WHICH MAY AFFECT WORK OF THIS DIVISION.
 - 2 EXAMINE ALL CONTRACT DOCUMENTS TO ENSURE THAT WORK OF THIS DIVISION MAY BE SATISFACTORILY COMPLETED.
 - 3 NOTIFY CONSULTANT UPON DISCOVERY OF CONDITIONS WHICH ADVERSELY AFFECT WORK OF THIS DIVISION. NO ALLOWANCE WILL BE MADE FOR LETTING OF CONTRACT FOR ANY EXPENSES INCURRED THROUGH FAILURE TO DO SO.
 - 4 SUBMISSION OF A BID CONFIRMS THAT THE CONTRACT DOCUMENTS AND SITE CONDITIONS ARE ACCEPTED WITHOUT QUALIFICATIONS, UNLESS EXCEPTIONS ARE SPECIFICALLY NOTED IN THE BID.
- 1.9 WARRANTY
 - 1 REFER TO GENERAL CONDITIONS. ARRANGE WITH EACH MANUFACTURER/SUPPLIER TO EXTEND WARRANTIES AS NECESSARY TO COINCIDE WITH WARRANTY PERIOD OR THOSE PERIODS SPECIFIED.
 - 2 MAKE SUBMISSIONS NECESSARY TO REGISTER PRODUCT WARRANTIES TO THE BENEFIT OF THE OWNER.
 - 3 SUBMIT TO CONSULTANT, PRIOR TO SUBSTANTIAL PERFORMANCE OF THE CONTRACT, MANUFACTURER'S WRITTEN WARRANTIES COVERING PERIODS LONGER THAN ONE YEAR OR OFFERING GREATER BENEFITS THAN REQUIRED IN SPECIFICATIONS AND IN THE OWNER'S CONTRACT DOCUMENTS.
- 1.10 INTERRUPTIONS
 - 1 ARRANGE EXECUTION OF WORK TO MAINTAIN PRESENT BUILDING OPERATIONS, AND TO MINIMIZE THE EFFECT OF WORK UNDER THIS DIVISION ON EXISTING OPERATIONS.
 - 2 PRIOR TO INTERRUPTING ANY EXISTING SERVICE NOTIFY THE OWNER AND CONSULTANT, IN WRITING, AT LEAST 7 DAYS IN ADVANCE, AND OBTAIN WRITTEN AUTHORIZATION. DO NOT INTERRUPT ANY EXISTING SERVICE WITHOUT CONSULTANT'S SPECIFIC AUTHORIZATION. REFER TO DIVISION 1 FOR REQUIREMENTS.
 - 3 ARRANGE TIME AND DURATION OF INTERRUPTION THROUGH THE OWNER'S PHYSICAL PLANT DEPARTMENT. INCLUDE IN BID PRICE FOR ALL OVERTIME OR PREMIUM TIME HOURS NECESSARY TO MINIMIZE DURATION OF SERVICE INTERRUPTION.
 - 4 TEST AND VERIFY THE PROPER OPERATION OF EXISTING EQUIPMENT AND SYSTEMS THAT ARE SHUT DOWN DUE TO WORK OF THIS PROJECT. PRIOR TO RETURNING TO SERVICE.
 - 5 ASSUME RESPONSIBILITY FOR CONSEQUENTIAL COSTS ON FAILURE TO OBTAIN PERMISSION TO SHUT DOWN AND/OR START-UP ANY ITEM OF EQUIPMENT, SYSTEM OR SERVICE.
- 1.11 EXTRAS AND CREDITS
 - 1 ACCOMPANY PRICE SUBMITTALS REQUESTED BY CONSULTANT FOR EXTRA WORK, OR WORK TO BE DELETED, WITH A COMPLETE COST BREAKDOWN AS FOLLOWS:
 - 1 MATERIALS, QUANTITIES, AND UNIT COSTS INCLUDING ANY APPLICABLE CONTRACTORS TRADE DISCOUNT CLEARLY IDENTIFIED. PROVIDE SUPPLIER QUOTATIONS.
 - 2 LABOUR HOURS AND UNIT COSTS.
 - 3 TOTAL MATERIALS AND LABOUR COSTS.
 - 4 OVERHEAD AND PROFIT MARK-UPS IN ACCORDANCE WITH THE GENERAL CONDITIONS OF THE CONTRACT.
 - 2 QUOTATIONS FROM SOFTWARE SUCH AS ALLPRISER WILL NOT BE ACCEPTED. PROVIDE ACTUAL MATERIAL COSTS.
- 1.12 PHASING AND SCHEDULING
 - 1 PHASE THE WORK AS REQUIRED TO SUPPORT COMMISSIONING, START-UP & CONSTRUCTION SERVICES.
 - 2 ALL PHASING SHALL BE IN CORRESPONDENCE & AGREEMENT WITH THE GENERAL CONTRACTOR.
 - 3 THE CONTRACTOR SHALL COMPREHEND CONSTRUCTION ACTIVITIES IN CONJUNCTION WITH THE GENERAL CONTRACTOR & PERFORM PHASING AS SUCH TO SUPPORT CONSTRUCTION ACTIVITIES.
 - 4 COORDINATE WORK OF ALL SECTIONS OF DIVISION 23 WITH OTHER TRADES AND ASSIST IN THE DEVELOPMENT OF THE PHASING STRATEGY.
 - 5 REFER TO O.B.C. DIVISION C, PART 1, SUBSECTION 1.3.3 OCCUPANCY OF UNFINISHED BUILDING WHERE OCCUPANCY OF A PART OF THE WORK IS REQUIRED PRIOR TO COMPLETION OF THE ENTIRE PROJECT. ENSURE THAT EQUIPMENT, SYSTEMS AND SERVICES THAT SERVE THE AREA TO BE OCCUPIED ARE COMPLETED, TESTED AND FULLY OPERATIONAL.
 - 2 WEEKS PRIOR TO SCHEDULED TURN OVER AND ENSURE THAT REPORTS, CERTIFICATES AND DOCUMENTATION ARE SUBMITTED AT THAT TIME.
- 2 PRODUCTS
- 2.1 MATERIALS AND EQUIPMENT
 - 1 ENSURE MATERIALS AND EQUIPMENT PROVIDED UNDER THIS DIVISION ARE NEW AND FREE FROM DEFECTS AND BEAR LABELS OF APPROVAL AS REQUIRED BY CODES REFERRED TO IN THIS DIVISION AND/OR BY INSPECTOR GENERAL DURING PROCEEDURES CONSISTENT WITH QUALITY AND STANDARDS OF CONSULTANTS DOCUMENTS.
 - 2 ENSURE APPARATUS AND EQUIPMENT PROVIDED UNDER THIS DIVISION BEARS MANUFACTURER'S NAMEPLATE INDICATING NAME OF MANUFACTURER, MODEL NUMBER OR TYPE, SIZE, CAPACITY, CRN, AND OTHER PERTINENT INFORMATION. ENSURE NAMEPLATES ARE EASILY READ AND CLEARLY VISIBLE, WITH OPENINGS PROVIDED WHERE EQUIPMENT IS INSULATED.
 - 3 ENSURE MANUFACTURERS AND SUPPLIERS OF EQUIPMENT OR MATERIALS UNDER THIS DIVISION DETERMINE IF THEIR PRODUCTS ARE COMPOSED OF ANY HAZARDOUS MATERIALS. IF THEY ARE, THE PRODUCTS ARE SUITABLY LABELED AND SUPPLIED WITH MATERIAL SAFETY DATA SHEETS. OBTAIN THE OWNER'S APPROVAL IN WRITING TO BRING HAZARDOUS MATERIALS INTO THE SITE PRIOR TO DOING SO.
 - 4 WHEN UTILIZING ANY PRODUCTS THAT ARE HAZARDOUS, KEEP SAFETY DATA SHEETS ON FILE AT THE JOB SITE AND PRESENT THEM TO ANYONE REQUESTING THIS INFORMATION, WHEN TRANSFERRING HAZARDOUS MATERIALS FROM ORIGINAL CONTAINER INTO OTHER CONTAINERS, PROVIDE WORKPLACE LABELS ON SUCH CONTAINERS.

MECHANICAL SPECIFICATIONS - GENERAL 25-120

- 2.2 ACCEPTABLE PRODUCTS
 - 1 FIRST ITEM NAMED OR SPECIFIED BY CATALOGUE NUMBER MEETS SPECIFICATIONS REGARDING PERFORMANCE, QUALITY OF MATERIAL AND WORKMANSHIP, AND IS ACCEPTABLE TO THE CONSULTANT.
 - 2 ITEMS, OTHER THAN FIRST NAMED, MEETING SPECIFICATIONS REGARDING QUALITY OF MATERIALS AND WORKMANSHIP ARE ACCEPTABLE TO THE CONSULTANT, ONLY, IF THEY ALSO MEET PERFORMANCE AND/OR CAPACITIES SPECIFIED AND CAN BE ACCOMMODATED WITHIN THE SPACE ALLOTTED.
 - 3 GENERAL APPROVAL INDICATED BY INCLUSION OF OTHER MANUFACTURERS NAMED IS SUBJECT TO FINAL REVIEW OF SHOP DRAWINGS, PERFORMANCE DATA AND TEST REPORTS.
- 2.3 EQUIVALENTS AND ALTERNATIVES
 - 1 SUPPLIERS WISHING APPROVAL FOR ADDITIONAL EQUIPMENT ITEMS OR ALTERNATIVES AS EQUIVALENT TO THOSE SPECIFIED MUST SUBMIT COMPLETE DESCRIPTION, TECHNICAL AND PERFORMANCE DATA TO CONSULTANT AT LEAST TWELVE (12) WORKING DAYS PRIOR TO BID CLOSING DATE. EQUIVALENT EQUIPMENT, IF ACCEPTED, MUST CONFORM TO SPECIFICATIONS WITH REGARD TO DETAILS, ACCESSORIES, MODIFICATIONS, FEATURES AND PERFORMANCE. DEVIATIONS FROM SPECIFICATIONS MUST BE STATED IN WRITING AT TIME OF SUBMISSION FOR APPROVAL.
 - 2 BID PRICES SHALL INCLUDE ONLY PRODUCTS SPECIFIED OR APPROVED EQUIVALENTS. CONTRACTORS MAY PROPOSE UNSOLICITED ALTERNATIVES TO THE PRODUCTS SPECIFIED. ALTERNATIVE PROPOSALS SHALL BE SUBMITTED IN SEALED ENVELOPE AT TIME OF GENERAL CONTRACT BID SUBMISSION AND SHALL INCLUDE FULL DESCRIPTION AND TECHNICAL DATA, AND A STATEMENT OF THE RELATED INCREASE OR DECREASE IN BID PRICE SHOULD ALTERNATIVES BE ACCEPTED. ALL ADDITIONAL COSTS ASSOCIATED WITH UNSOLICITED ALTERNATIVE PROPOSALS SUCH AS LARGER MOTOR STARTERS, LARGER POWER FEEDERS, SPACE REVISIONS TO ASSOCIATED EQUIPMENT, CONTROLS, ETC. SHALL BE INCLUDED IN ALTERNATIVE PRICE. PRIOR APPROVAL BY CONSULTANT IS NOT REQUIRED FOR UNSOLICITED ALTERNATIVE PROPOSALS.
 - 3 WHERE THE CONTRACTOR USES EQUIPMENT OTHER THAN THAT FIRST NAMED, ON WHICH THE DESIGN IS BASED, HE SHALL BE RESPONSIBLE FOR THE DETAILS OF INSTALLATION INCLUDING EQUIPMENT SIZE, ARRANGEMENT, FIT, AND MAINTENANCE OF REQUIRED CLEARANCES.
 - 4 CONTRACTOR SHALL PREPARE AND SUBMIT REVISED LAYOUTS TO INDICATE ARRANGEMENT OF AFFECTED PIPING, DUCTWORK, CONDUIT, LIGHTING, EQUIPMENT, ETC. FAILURE BY CONTRACTOR TO PROVIDE SUCH DRAWINGS WILL BE CONSIDERED INDICATION THAT ORIGINAL ARRANGEMENTS AND SPACE ALLOCATIONS ARE ADEQUATE.
 - 4 INCLUDE IN THE BID PRICE FOR ADDITIONAL COSTS ASSOCIATED WITH EQUIVALENT EQUIPMENT SUCH AS LARGER MOTOR STARTERS, LARGER POWER FEEDERS, SPACE REVISIONS TO ASSOCIATED EQUIPMENT, CONTROLS, CHANGES TO DUCTWORK, PIPING, ETC. NO EXTRAS FOR CHANGES ARISING FROM ALTERNATIVES, EQUIVALENTS (APPROVED OR OTHERWISE) OR SUBSTITUTIONS WILL BE CONSIDERED.
- 2.4 SUBSTITUTIONS DURING PROGRESS OF WORK
 - 1 REFER TO DIVISION 01
- 2.5 CONSULTANT'S REVIEW
 - 1 THE CONSULTANTS WILL REVIEW AND EVALUATE ALTERNATIVES AND SUBSTITUTIONS PROPOSED BY THE CONTRACTOR. SUCH REVIEW AND EVALUATION WORK WILL BE UNDERTAKEN BY THE CONSULTANT ON AN ADDITIONAL, FEE BASIS. REIMBURSE THE OWNER FOR COSTS ASSOCIATED WITH SUCH REVIEWS AND EVALUATIONS.
 - 2 REIMBURSE THE OWNER FOR COSTS INCURRED IN UPDATING CONTRACT DOCUMENTS TO REFLECT SUCH CHANGES.
- 3 EXECUTION
- 3.1 RELATIONSHIP WITH OTHER TRADES
 - 1 COOPERATE WITH OTHER TRADES WHOSE WORK AFFECTS OR IS AFFECTED BY WORK OF THIS DIVISION TO ENSURE SATISFACTORY INSTALLATION AND TO AVOID DELAYS.
 - 2 PROVIDE MATERIALS TO BE BUILT-IN, SUCH AS SLEEVES, ANCHORS, AND INSERTS, TOGETHER WITH TEMPLATES AND/OR MEASUREMENTS, PROMPTLY WHEN REQUIRED BY OTHER TRADES.
 - 3 PROVIDE STRUCTURAL, SUPPORTS FOR EQUIPMENT TO BE MOUNTED ON OR IN WALLS, SUPPORTED ABOVE FLOORS AND/OR SUSPENDED FROM THE STRUCTURE.
- 3.2 INSTALLATION REQUIREMENTS
 - 1 THE CONSULTANT'S DRAWINGS AND INSTRUCTIONS GOVERN THE LOCATION OF ALL ITEMS. PREPARE FULLY COORDINATED INSTALLATION DRAWINGS PRIOR TO INSTALLATION.
 - 2 INSTALL EQUIPMENT NEATLY TO THE SATISFACTION OF THE CONSULTANT, UNLESS NOTED OTHERWISE INSTALL PRODUCTS AND SERVICES TO FOLLOW BUILDING PLANS. ENSURE INSTALLATION PERMITS FREE USE OF SPACE AND MAXIMUM HEADROOM.
 - 3 CONFIRM THE EXACT LOCATION OF OUTLETS, FIXTURES AND CONNECTIONS. CONFIRM LOCATION OF OUTLETS FOR EQUIPMENT SUPPLIED UNDER OTHER DIVISIONS.
 - 4 INSTALL EQUIPMENT AND APPARATUS TO ALLOW FREE ACCESS FOR MAINTENANCE, ADJUSTMENT AND EVENTUAL REPLACEMENT.
 - 5 PROVIDE SUITABLE SHIELDING AND PHYSICAL PROTECTION FOR DEVICES.
 - 6 INSTALL PRODUCTS AND SERVICES IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS AND/OR RECOMMENDATIONS.
 - 7 PROVIDE BASES, SUPPORTS AND FASTENERS. SECURE PRODUCTS AND SERVICES SO AS NOT TO IMPOSE UNDUE STRESSES ON THE STRUCTURE AND SYSTEMS.
 - 8 DO NOT USE POWDER ACTIVATED TOOLS WITHOUT WRITTEN PERMISSION OF THE CONSULTANT. USE THEM IN ACCORDANCE WITH THE OWNER'S HEALTH AND SAFETY POLICIES.
 - 9 ENSURE THAT THE LOAD ON STRUCTURES DOES NOT EXCEED THE MAXIMUM ALLOWED PER SQUARE METRE AS INDICATED ON THE STRUCTURAL DRAWINGS OR AS DIRECTED BY THE CONSULTANT.
- 3.3 CONTRACT DRAWINGS
 - 1 THE DRAWINGS OF THIS DIVISION ARE PERFORMANCE DRAWINGS AND INDICATE GENERAL ARRANGEMENT OF THE WORK. THEY ARE DIAGRAMMATIC EXCEPT WHERE SPECIFIC DETAILS ARE GIVEN.
 - 2 OBTAIN ACCURATE DIMENSIONS FROM THE ARCHITECTURAL AND STRUCTURAL DRAWINGS, OR BY MEASUREMENT. LOCATION AND ELEVATION OF SERVICES ARE APPROXIMATE. VERIFY THEM BEFORE CONSTRUCTION IS UNDERTAKEN.
 - 3 MAKE CHANGES WHERE REQUIRED TO ACCOMMODATE STRUCTURAL CONDITIONS, (BEAMS, COLUMNS, ETC.). OBTAIN CONSULTANT'S APPROVAL BEFORE PROCEEDING.
 - 4 ADJUST THE LOCATION OF MATERIALS AND/OR EQUIPMENT AS DIRECTED WITHOUT ADJUSTMENT TO CONTRACT PRICE, PROVIDED THAT THE CHANGES ARE REQUESTED BEFORE INSTALLATION AND DO NOT AFFECT MATERIAL QUANTITY. NOTE THAT OUTLETS AND/OR EQUIPMENT MAY BE RELOCATED UP TO 10 FEET (3 M) IN ANY DIRECTION WITHOUT A CHANGE TO THE CONTRACT PRICE.
 - 5 NOTE THAT THE LAYOUT AND ORIENTATION OF THE CEILING OUTLETS ON THE ARCHITECTURAL REFLECTED CEILING DRAWINGS MAY DIFFER FROM THAT SHOWN ON THE MECHANICAL DRAWINGS. MAKE THE INSTALLATION IN ACCORDANCE WITH THE LATEST ARCHITECTURAL CEILING DRAWINGS. PROVIDE THE EQUIPMENT AS SPECIFIED AND/OR SHOWN ON THE DOCUMENTS OF THIS DIVISION.
 - 6 THE DRAWINGS OF THIS DIVISION ARE INTENDED FOR TENDER PRICING. THE QUANTITIES AND QUALITY TO BE INCLUDED IN THE BID PRICE SHALL BE BASED ON THE LAYOUT AND SPECIFICATIONS AS SHOWN ON MECHANICAL DOCUMENTS. IF THERE IS A DIFFERENCE IN QUANTITY BETWEEN THE ARCHITECTURAL AND DRAWINGS OF THIS DIVISION, BASE THE CONTRACT PRICE ON THE GREATER QUANTITY.
 - 7 PREPARE INSTALLATION (CONSTRUCTION) DRAWING TO REFLECT THE LATEST ARCHITECTURAL CEILING LAYOUT.
- 3.4 CONSTRUCTION DRAWINGS
 - 1 PREPARE FULLY DIMENSIONED DRAWINGS SHOWING DEVICES, FIXTURES, EQUIPMENT, OUTLETS, SLEEVES AND OPENINGS THROUGH STRUCTURE. INDICATE LOCATIONS AND WEIGHTS ON LOAD POINTS.
 - 2 PREPARE FULLY DIMENSIONED CONSTRUCTION DRAWINGS OF PRODUCTS AND SERVICES SUITABLY INTERFACED WITH WORK OF THE SUB-TRADES IN MECHANICAL ROOMS, SERVICE AND CEILING SPACES AND OTHER CRITICAL LOCATIONS. COORDINATE THE WORK WITH OTHER DIVISIONS. BASE DRAWINGS ON REVISIONED SHOP DRAWINGS AND LATEST ARCHITECTURAL DRAWINGS. INDICATE DETAILS PERTAINING TO THE FOLLOWING: ACCESS, CLEARANCES, CLEANOUTS, SLEEVES, ELECTRICAL CONNECTIONS, DRAIN LOCATIONS AND ELEVATION OF PIPES, DUCTS, CONDUITS.
 - 3 PREPARE DRAWINGS OF FITS, CURBS, SILLS, EQUIPMENT BASES, ANCHORS, INERTIA SLABS, AND OTHER DETAILS.
 - 4 SUBMIT CONSTRUCTION DRAWINGS TO OTHER DIVISIONS. PROVIDE ONE (1) TRANSPARENCY AND FOUR (4) PRINT COPIES OF CONSTRUCTION DRAWINGS TO THE CONSULTANT FOR RECORD PURPOSES.
 - 5 SUBMIT CONSTRUCTION DRAWINGS PRIOR TO COMMENCEMENT OF WORK.
- 3.5 RECORD DRAWINGS
 - 1 MAINTAIN PROJECT "AS-BUILT" RECORD DRAWINGS. OBTAIN WHITE PRINTS FROM THE CONSULTANT FOR THIS PURPOSE AND PAY PRINTING COSTS. IDENTIFY EACH SET AS "PROJECT RECORD COPY".
 - 2 RECORD DEVIATIONS FROM CONTRACT DOCUMENTS CAUSED BY SITE CONDITIONS OR BY CHANGES ORDERED BY THE CONSULTANT. RECORD DEVIATIONS IN RED INK CLEARLY AND ACCURATELY, USING INDUSTRY STANDARD DRAFTING PROCEDURES CONSISTENT WITH QUALITY AND STANDARDS OF CONSULTANTS DOCUMENTS.
 - 3 RECORD DEVIATIONS AS WORK PROGRESSES THROUGHOUT THE EXECUTION OF THIS CONTRACT. MAINTAIN RECORD DRAWINGS ON SITE IN CLEAN, DRY, LEGIBLE CONDITION, MAKING THEM AVAILABLE FOR PERIODIC REVIEW BY THE CONSULTANT.
 - 4 RECORD LOCATION OF CONCEALED SERVICES, PARTICULARLY UNDERGROUND SERVICES. BEFORE COMMENCING ANY BACKFILLING, OBTAIN ACCURATE MEASUREMENTS AND INFORMATION CONCERNING CORRECT LOCATION AND DEPTH OF SERVICES.
- 3.6 USE OF SYSTEMS
 - 1 FOR THE DURATION OF THIS CONTRACT, DO NOT USE ANY PIECE OF EQUIPMENT PROVIDED UNDER THIS CONTRACT FOR THE PURPOSE OF HEATING, VENTILATION, OR AIR CONDITIONING WITHOUT THE SPECIFIC AUTHORIZATION OF THE OWNER AND CONSULTANT. ENSURE THE BUILDING IS "BROOM CLEAN" AND PAINTING IS FINISHED BEFORE ASKING MATERIALS INTO THE SITE PRIOR TO DOING SO.
 - 2 WHERE SPECIFIC WRITTEN AUTHORIZATION IS GIVEN FOR THE USE OF EQUIPMENT WHILE WORK IS STILL IN PROGRESS, SEAL OFF DUCTWORK, GRILLES, DIFFUSERS, AND REGISTERS OR OTHER OPENINGS OF THE AIR DISTRIBUTION SYSTEMS OR AIR HANDLING EQUIPMENT THAT IS NOT IN USE.

MECHANICAL SPECIFICATIONS - GENERAL 25-120

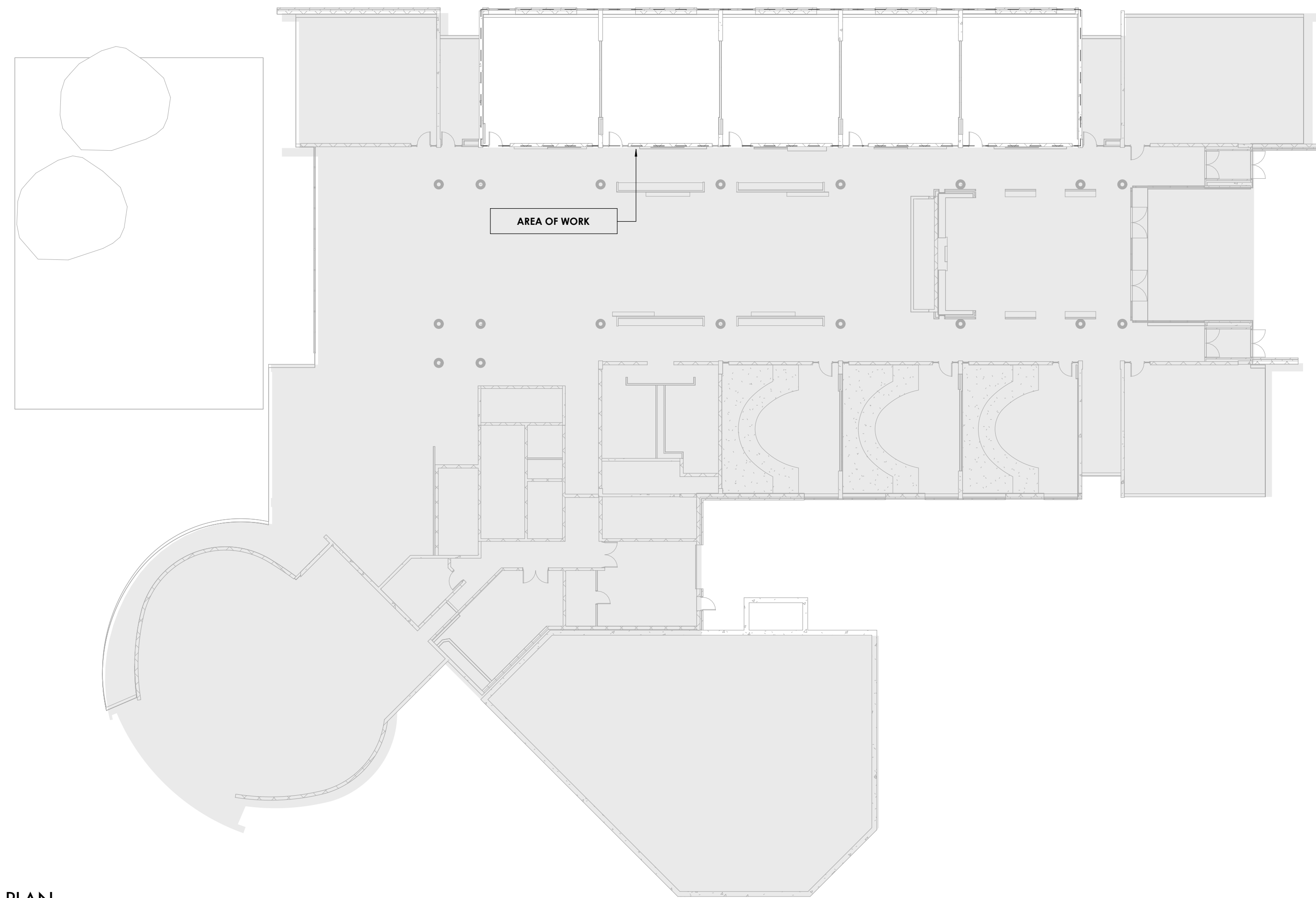
- 3 USE OF NEW AND/OR EXISTING PERMANENT HEATING AND/OR VENTILATING SYSTEMS FOR SUPPLYING TEMPORARY HEAT OR VENTILATION IS (NOT PERMITTED) [PERMITTED ONLY UNDER FOLLOWING CONDITIONS]
 - 1 ENTIRE SYSTEM IS COMPLETE, PRESSURES TESTED, CLEANED, FLUSHED OUT.
 - 2 SPECIFIED WATER TREATMENT SYSTEMS HAVE BEEN COMMISSIONED, AND WATER TREATMENT IS BEING CONTINUOUSLY MONITORED.
 - 3 BUILDING HAS BEEN CLOSED IN AREAS TO BE HEATED/VENTILATED ARE CLEAN AND WILL NOT THEREAFTER BE SUBJECT TO JUST-PRODUCING PROCESSES.
 - 4 THERE IS NO POSSIBILITY OF DAMAGE.
 - 5 SUPPLY VENTILATION SYSTEMS ARE PROTECTED BY 60 % FILTERS, INSPECTED DAILY, CHANGED EVERY WEEK OR MORE FREQUENTLY AS REQUIRED.
 - 6 RETURN SYSTEMS HAVE APPROVED FILTERS OVER OPENINGS, INLETS, AND OUTLETS.
 - 7 OPERATE SYSTEMS AS PER MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS.
 - 8 MONITOR SYSTEMS CONTINUOUSLY.
 - 9 WARRANTIES AND GUARANTEES ARE NOT RELAXED.
 - 10 PERFORM REGULAR PREVENTIVE AND OTHER MANUFACTURERS RECOMMENDED MAINTENANCE ROUTINES UNDER SUPERVISION OF CONSULTANT.
 - 11 REFRUBRISH ENTIRE SYSTEM BEFORE STATIC COMPLETION. CLEAN INTERNALLY AND EXTERNALLY. RESTORE TO "AS-NEW" CONDITION. REPLACE FILTERS IN AIR SYSTEMS.
- 4 FILTERS SPECIFIED IN THIS SECTION ARE OVER AND ABOVE THOSE SPECIFIED IN OTHER SECTIONS OF THIS PROJECT.
- 5 EXHAUST SYSTEMS ARE NOT INCLUDED IN APPROVALS FOR TEMPORARY HEATING AND VENTILATION.
- 3.7 SPECIAL TOOLS AND SPARE PARTS
 - 1 WITHIN 30 DAYS OF AWARD OF CONTRACT, PREPARE A COMPLETE ITEMIZED LIST OF SPARE PARTS AND SUBMIT TO CONSULTANT FOR REVIEW. LIST WILL BE USED AS A CHECKLIST AND SHOULD INCLUDE QUANTITY PROVISION FOR SIGN OFF BY THE OWNER ON RECEIPT.
 - 2 ON COMPLETION OF THE PROJECT FURNISH SPARE PARTS TO THE OWNER AS FOLLOWS:
 - 1 ONE SET OF NEW FILTERS FOR EACH FILTER BANK INSTALLED (PER EQUIPMENT).
 - 3 IDENTIFY SPARE PARTS CONTAINERS AS TO CONTENTS AND REPLACEMENT PARTS NUMBER.
- 3.8 INSTRUCTION
 - 1 INSTRUCT AND FAMILIARIZE OWNER'S OPERATING PERSONNEL WITH THE VARIOUS MECHANICAL SYSTEMS. ARRANGE INSTRUCTION FOR EACH SYSTEM SEPARATELY.
 - 2 PROVIDE INSTRUCTION FOR EACH SYSTEM ON TWO SEPARATE OCCASIONS, COORDINATED WITH THE OWNER'S START OPERATING SCHEDULE, IN ORDER THAT INTERESTED PERSONNEL MAY ARRANGE TO ATTEND.
 - 3 ENSURE EACH INSTRUCTION PERIOD INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING:
 - 1 A CLASSROOM SEMINAR WITH OPERATING MANUALS, PRODUCT AND SYSTEM DRAWINGS AND SUCH OTHER AUDIOVISUAL AIDS AS MAY BE APPROPRIATE.
 - 2 INSTRUCTION DURING THE CLASSROOM SEMINAR BY THE MANUFACTURERS REPRESENTATIVE FOR PERMITS AND PROPER OPERATING AND MAINTENANCE PROCEDURES FOR EACH ITEM OF EQUIPMENT.
 - 3 DEMONSTRATION OF THE PROPER OPERATING PROCEDURES FOR EACH ITEM OF EQUIPMENT.
 - 4 EXPLANATION OF THE PURPOSE AND FUNCTION OF ALL SAFETY DEVICES PROVIDED.
 - 5 DEMONSTRATION OF ALL MEASURES REQUIRED FOR SAFE AND PROPER CARE FOR OPERATION AND MAINTENANCE.
 - 4 PROVIDE A PERIOD OF FOLLOW-UP INSTRUCTION (ON TWO OCCASIONS) APPROXIMATELY ONE MONTH AFTER COMPLETING OWNER'S INSTRUCTION TO CLARIFY AND REINFORCE EARLIER INSTRUCTION.
- 5 SUBMIT A LETTER FROM THE OWNER'S MANAGEMENT STAFF INDICATING THE INSTRUCTION HAS BEEN GIVEN SATISFACTORILY TO THE CONSULTANT PRIOR TO SUBSTANTIAL COMPLETION OF THE PROJECT.

MECHANICAL SPECIFICATIONS - DEMOLITION 25-120

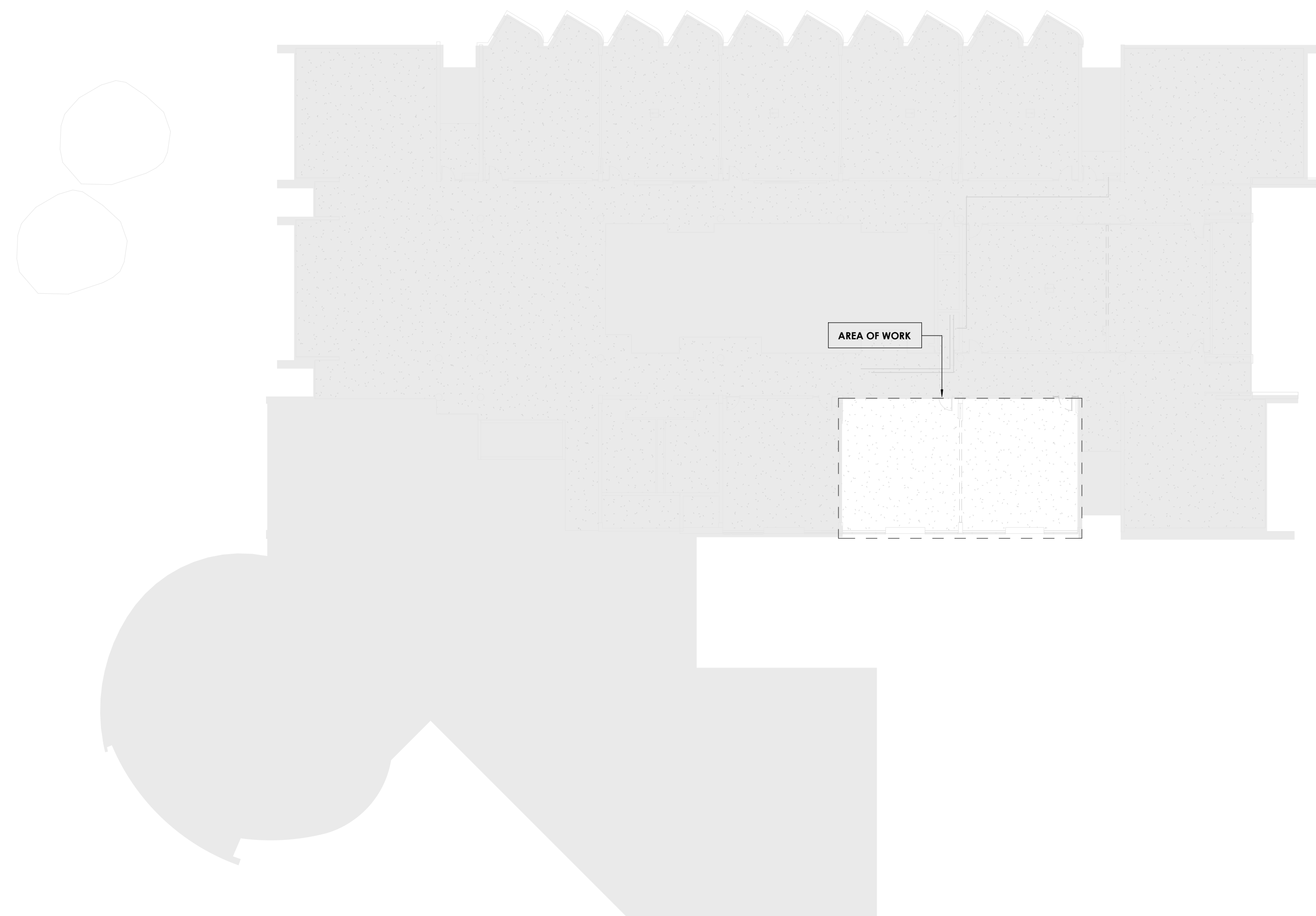
- 1 GENERAL
- 1.1 GENERAL REQUIREMENTS
 - 1 COMPLY WITH GENERAL REQUIREMENTS OF SECTION.
- 1.2 WORK INCLUDED
 - 1 IDENTIFICATION OF EXISTING SERVICES AND UTILITY CONNECTIONS.
 - 2 INSTALLATION, PROTECTION AND MAINTENANCE OF TEMPORARY SERVICES AS REQUIRED TO SUPPORT CONTINUING OPERATION OF THE FACILITY.
 - 3 DISCONNECTION AND MAKING SAFE OF VARIOUS MECHANICAL SYSTEMS AND EQUIPMENT IN AREAS TO BE DEMOLISHED.
 - 4 DISPOSAL OF WASTE MATERIALS IN ACCORDANCE WITH WASTE MANAGEMENT REQUIREMENTS.
 - 5 RE-CERTIFICATION AND INSPECTION OF CHANGES MADE TO ANY EQUIPMENT, MACHINE OR APPARATUS BY AUTHORITIES HAVING JURISDICTION INCLUDING REQUIREMENTS FOR MARKING OF EQUIPMENT.
- 1.3 REGULATORY REQUIREMENTS
 - 1 NOTIFY AUTHORITIES OF INTENT TO DEMOLISH AND THE SCHEDULE FOR THE WORK. OBTAIN REQUIRED PERMITS FROM AUTHORITIES.
 - 2 CONFORM TO CODES FOR DEMOLITION WORK, DUST CONTROL, PRODUCTS REQUIRING DISCONNECTION AND RE-CONNECTION.
 - 3 DO NOT CLOSE OR OBSTRUCT EGRESS WIDTH TO ANY BUILDING OR SITE EXIT.
 - 4 DO NOT DISABLE OR DISRUPT BUILDING FIRE OR LIFE SAFETY SYSTEMS WITHIN 3 DAYS PRIOR TO WRITTEN NOTICE TO OWNER.
 - 5 CONFORM TO PROCEDURES APPLICABLE WHEN HAZARDOUS OR CONTAMINATED MATERIALS ARE DISCOVERED.
 - 6 ARRANGE FOR RE-CERTIFICATION AND INSPECTION OF CHANGES MADE TO ANY EQUIPMENT, MACHINE OR APPARATUS BY AUTHORITIES HAVING JURISDICTION INCLUDING REQUIREMENTS FOR MARKING EQUIPMENT UNDER RULES 2:100 AND 2:102 OF THE ONTARIO ELECTRICAL SAFETY CODE.
- 1.4 JOB CONDITIONS
 - 1 VISIT SITE AND EXAMINE EXISTING CONDITIONS WHICH MAY AFFECT WORK OF THIS DIVISION.
 - 2 EXAMINE CONTRACT DOCUMENTS TO ENSURE THAT WORK OF THIS DIVISION MAY BE SATISFACTORILY COMPLETED.
 - 3 NOTIFY CONSULTANT UPON DISCOVERY OF CONDITIONS WHICH ADVERSELY AFFECT WORK OF THIS DIVISION. NO ALLOWANCE WILL BE MADE FOR LETTING OF CONTRACT FOR ANY EXPENSES INCURRED THROUGH FAILURE TO DO SO.
 - 4 SUBMISSION OF A BID CONFIRMS THAT THE CONTRACT DOCUMENTS AND SITE CONDITIONS ARE ACCEPTED WITHOUT QUALIFICATIONS, UNLESS EXCEPTIONS ARE SPECIFICALLY NOTED IN THE BID.
- 1.5 INTERRUPTIONS
 - 1 ARRANGE EXECUTION OF WORK TO MAINTAIN PRESENT BUILDING OPERATIONS, AND TO MINIMIZE THE EFFECT OF WORK UNDER THIS DIVISION ON EXISTING OPERATIONS.
 - 2 PRIOR TO INTERRUPTING ANY EXISTING SERVICE NOTIFY THE OWNER AND CONSULTANT, IN WRITING, AT LEAST 7 DAYS IN ADVANCE, AND OBTAIN WRITTEN AUTHORIZATION. DO NOT INTERRUPT ANY EXISTING SERVICE WITHOUT CONSULTANT'S SPECIFIC AUTHORIZATION. REFER TO DIVISION 1 FOR REQUIREMENTS.
 - 3 INCLUDE IN BID PRICE FOR OVERTIME OR PREMIUM TIME HOURS NECESSARY TO MINIMIZE DURATION OF SERVICE INTERRUPTION.
 - 4 TEST AND VERIFY THE PROPER OPERATION OF EXISTING EQUIPMENT AND SYSTEMS THAT ARE SHUT DOWN DUE TO WORK OF THIS PROJECT. PRIOR TO RETURNING TO SERVICE.
 - 5 ASSUME RESPONSIBILITY FOR CONSEQUENTIAL COSTS ON FAILURE TO OBTAIN PERMISSION TO SHUT DOWN AND/OR START UP EQUIPMENT, SYSTEM OR SERVICE.
- 1.6 PHASING AND SCHEDULING
 - 1 REFER TO DIVISION 1 PHASING AND SCHEDULING OF THE WORK.
 - 2 COORDINATE THE WORK OF ALL SECTIONS OF DIVISION 23 WITH OTHER TRADES AND ASSIST IN THE DEVELOPMENT OF THE PHASING STRATEGY.
- 2 PRODUCTS
 - 1 NOT APPLICABLE
- 3 EXECUTION
 - 3.1 PREPARATION
 - 1 PRIOR TO START OF WORK UNDER THIS SECTION, ENSURE:
 - 1 PROVIDE, ERECT, AND MAINTAIN TEMPORARY BARRIERS AT LOCATIONS INDICATED.
 - 2 ERECT AND MAINTAIN WEATHERPROOF CLOSURES FOR EXTERIOR OPENINGS.
 - 3 ERECT AND MAINTAIN TEMPORARY PARTITIONS TO PREVENT SPREAD OF DUST, ODORS, AND NOISE TO PERMIT CONTINUED OWNER OCCUPANCY.
 - 4 PREVENT MOVEMENT OF STRUCTURE. PROVIDE BRACING AND SHORING.
 - 2 INSTALL, PROTECT AND MAINTAIN TEMPORARY SERVICES AS REQUIRED TO SUPPORT CONTINUING OPERATION OF THE FACILITY.
 - 3 PROTECT SERVICES AND EQUIPMENT WHICH ARE NOT TO BE DEMOLISHED.
 - 4 COORDINATE SERVICE SHUTDOWNS WITH OWNER'S PROJECT COORDINATOR. PROVIDE NOTICE AS REQUIRED BY OWNER AND TAKE NECESSARY PRECAUTIONS.
 - 5 NOTIFY AFFECTED UTILITY COMPANIES BEFORE STARTING WORK AND COMPLY WITH THEIR REQUIREMENTS.
 - 6 MARK LOCATION AND TERMINATION OF UTILITIES.
 - 7 PROVIDE APPROPRIATE TEMPORARY SIGNAGE INCLUDING SIGNAGE FOR EXIT OR BUILDING EGRESS.

MECHANICAL SPECIFICATIONS - DEMOLITION 25-120

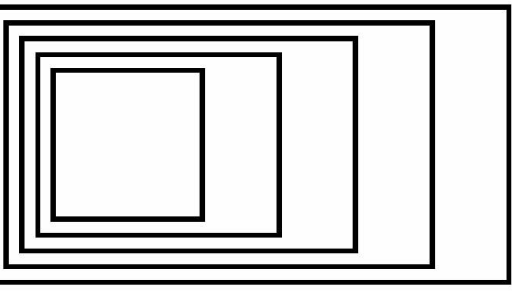
- 3.2 RELATIONSHIP WITH OTHER TRADES
 - 1 COOPERATE WITH OTHER TRADES WHOSE WORK AFFECTS OR IS AFFECTED BY WORK OF THIS DIVISION TO ENSURE SATISFACTORY INSTALLATION AND TO AVOID DELAYS.
 - 2 REMOVE AND DISPOSE OF BUILT-IN ITEMS SUCH AS SLEEVES, ANCHORS, AND INSERTS.
 - 3 REMOVE AND DISPOSE OF BASES, SUPPORTS AND ANCHORS FOR PIPING, EQUIPMENT AND DUCTWORK MOUNTED ON OR IN WALLS, AND SUSPENDED FROM THE STRUCTURE.
- 3.3 PROTECTION
 - 1 PROTECT EXISTING AND NEW WORK TO REMAIN FREE FROM DAMAGE DUE TO EXECUTION OF WORK UNDER THIS DIVISION WITH TARPAULINS AND OTHER PROTECTIVE COVERINGS AS NECESSARY.
 - 2 REPAIR DAMAGE TO THE BUILDING AND COMPONENTS RESULTING FROM FAILURE TO PROVIDE SUFFICIENT PROTECTION, TO THE SATISFACTION OF THE CONSULTANT.
 - 3 FIT EXISTING AIR INTAKE AND EXHAUST OPENINGS THAT MAY BE AFFECTED BY DUST AND/OR DEBRIS FROM THE CONSTRUCTION WORK WITH APPROPRIATE FILTER MEDIA TO PROTECT AGAINST ENTRY OF DUST AND/OR DEBRIS INTO THE BUILDING AND ITS AIR DISTRIBUTION SYSTEMS. CLOSELY MONITOR FILTERS AND REPLACE THEM WHEN NECESSARY. REPLACE EXISTING FILTERS THAT BECOME CONTAMINATED WITH DUST AND/OR DEBRIS FROM CONSTRUCTION WORK WITH NEW FILTERS.
 - 4 IF DUST AND DEBRIS FROM CONSTRUCTION WORK DOES PENETRATE THE BUILDING AND/OR ITS AIR DISTRIBUTION SYSTEMS, CLEAN THE AFFECTED AREAS AND/OR SYSTEMS.
 - 5 REMOVE TEMPORARY FILTERS ON COMPLETION OF THE CONSTRUCTION WORKS.
- 3.4 DEMOLITION
 - 1 NOTIFY AUTHORITIES OF INTENT TO DEMOLISH AND THE SCHEDULE FOR THE WORK.
 - 2 CONFORM TO CODES, REGULATIONS, STANDARDS AND BYLAWS APPLICABLE TO THE WORK.
 - 3 ISOLATE AND DRAIN SYSTEMS AS REQUIRED TO EFFECT DEMOLITION, DISCONNECT, CAP AND MAKE SAFE MECHANICAL SERVICES TO THE BUILDING INCLUDING, BUT NOT LIMITED TO: HEAT PUMP LOOP SYSTEM.
 - 4 PROTECT EXISTING EQUIPMENT AND SERVICES TO REMAIN FROM DEBRIS AND UNWANTED MATERIALS. CLEAN AS NECESSARY TO MAINTAIN SERVICE DURING DEMOLITION PERIOD AND ON COMPLETION OF THE WORK.
 - 5 COORDINATE SERVICE SHUTDOWNS WITH OWNER'S PROJECT COORDINATOR. PROVIDE NOTICE AS REQUIRED BY OWNER AND TAKE NECESSARY PRECAUTIONS.
 - 6 REMOVE AND DISPOSE OF REDUNDANT MECHANICAL SERVICES AND EQUIPMENT WITHIN THE LIMITS OF THE DEMOLITION SITE AND WHERE DEMOLISHED SYSTEMS EXTEND BEYOND THESE LIMITS.
 - 7 CONFORM TO OCCUPATIONAL HEALTH & SAFETY AND ENVIRONMENTAL REGULATIONS. ENSURE THAT PRACTICES ARE FAMILIAR WITH REQUIREMENTS AND EXPERIENCED IN THE WORK TO BE UNDERTAKEN.
 - 8 CONFORM TO THE REQUIREMENTS OF DIVISION 01, MUNICIPAL BY-LAWS AND MINISTRY OF THE ENVIRONMENT REGULATIONS AND STANDARDS FOR WASTE DISPOSAL.
 - 9 FIT EXISTING AIR INTAKE AND EXHAUST OPENINGS THAT MAY BE AFFECTED BY DUST AND/OR DEBRIS FROM THE DEMOLITION WORK WITH APPROPRIATE FILTER MEDIA TO PROTECT AGAINST ENTRY OF DUST AND/OR DEBRIS INTO THE BUILDING AND ITS AIR DISTRIBUTION SYSTEMS. CLOSELY MONITOR FILTERS AND REPLACE THEM WHEN NECESSARY. REPLACE EXISTING FILTERS THAT BECOME CONTAMINATED WITH DUST AND/OR DEBRIS FROM DEMOLITION WORK WITH NEW FILTERS.
 - 10 DISCONNECT REMOVE, CAP AND IDENTIFY ALL UTILITIES WITHIN DEMOLITION AREAS.
 - 11 DEMOLISH IN AN ORDERLY AND CAREFUL MANNER. PROTECT EXISTING SUPPORTING STRUCTURAL MEMBERS.
 - 13 REMOVE DEMOLISHED MATERIALS FROM SITE EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE. DO NOT BURN OR BURY MATERIALS ON SITE.
 - 14 REMOVE MATERIALS AS WORK PROGRESSES. UPON COMPLETION OF WORK, LEAVE AREAS IN CLEAN CONDITION.
 - 15 REMOVE TEMPORARY WORK.
- 3.5 RENOVATIONS
 - 1 ISOLATE AND DRAIN SYSTEMS AS REQUIRED TO EFFECT RENOVATIONS, MODIFICATIONS AND/OR REPAIRS, ON COMPLETION OF RENOVATIONS, MODIFICATIONS AND/OR REPAIRS, TEST ENTIRE SYSTEM AS IF IT WAS NEW. REPAIR OR REPLACE DEFECTIVE PARTS OR PLACEMENTS OF EXISTING EQUIPMENT, PIPING, FITTINGS OR DEVICES THAT ARE NOT INCLUDED IN CONTRACT TO CONSULTANT AND OWNER FOR REQUIREMENTS. FLUSH, CLEAN AND REFILL RENOVATED SYSTEMS AS SPECIFIED FOR NEW.
 - 2 RELOCATE OR REMOVE EXISTING ITEMS SO DESIGNATED UNLESS SPECIFICALLY INDICATED TO BE RELOCATED OR REMOVED UNDER THIS SECTION.
 - 3 CLEAN AND REPAIR EXISTING ITEMS TO BE RELOCATED, ALTER AS REQUIRED TO SUIT NEW LOCATION, REPLACE DAMAGED OR INEFFECTIVE PARTS TO MAKE ITEMS "AS NEW".
 - 4 EXISTING ITEMS TO BE REMOVED REMAIN THE PROPERTY OF THE OWNER AND SHALL BE DELIVERED TO A LOCATION ON



1 LEVEL 1 KEY PLAN
MD-002 1 : 250



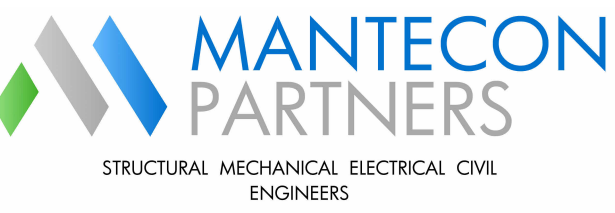
2 LEVEL 2 KEY PLAN
MD-002 1 : 250



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Phone: (905) 648-0373 www.manteconpartners.com

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| 4 | Issued for Addendum 1 | 2026-02-24 |
| 3 | Issued for Tender Demolition | 2026-02-13 |
| 2 | Issued For Progress Review | 2026-02-06 |
| 1 | Issued For 50% DD SET | 2026-01-16 |

| No. | ISSUED/REVISED | DATE |
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Centennial Story Arts Centre Relocation

941 PROGRESS AVENUE
SCARBOROUGH, ONTARIO M1G 3T8

MECHANICAL KEY PLAN



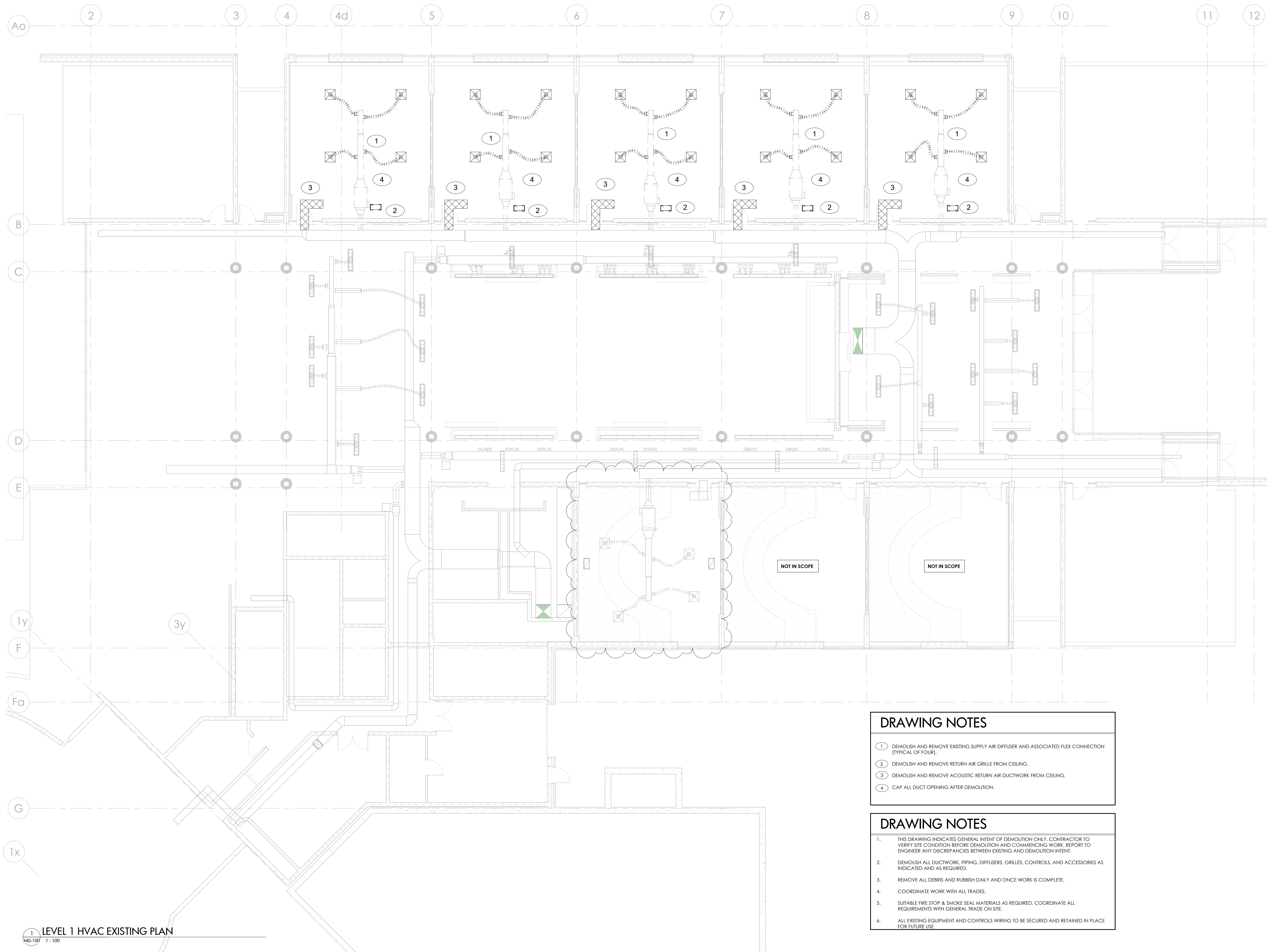
Scale: 1 : 250

Project Number:
25-120

Drawn By:
N.O

Checked By:
M.V

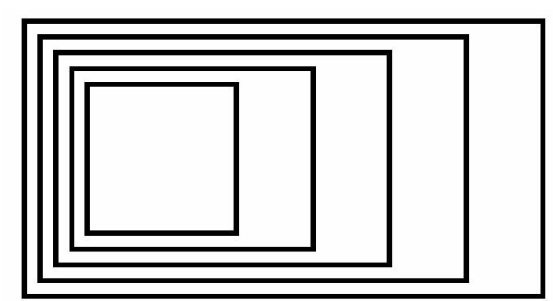
MD-002



1 LEVEL 1 HVAC EXISTING PLAN
WD-100 1:100

- DRAWING NOTES**
- 1 DEMOLISH AND REMOVE EXISTING SUPPLY AIR DIFFUSER AND ASSOCIATED FLEX CONNECTION (TYPICAL OF FOUR).
 - 2 DEMOLISH AND REMOVE RETURN AIR GRILLE FROM CEILING.
 - 3 DEMOLISH AND REMOVE ACOUSTIC RETURN AIR DUCTWORK FROM CEILING.
 - 4 CAP ALL DUCT OPENING AFTER DEMOLITION.

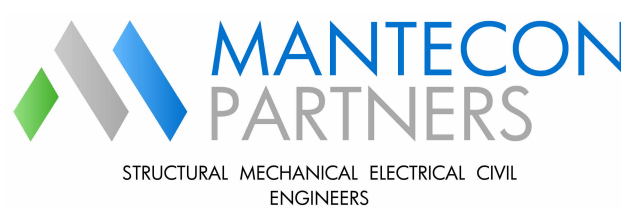
- DRAWING NOTES**
1. THIS DRAWING INDICATES GENERAL INTENT OF DEMOLITION ONLY. CONTRACTOR TO VERIFY SITE CONDITION BEFORE DEMOLITION AND COMMENCING WORK. REPORT TO ENGINEER ANY DISCREPANCIES BETWEEN EXISTING AND DEMOLITION INTENT.
 2. DEMOLISH ALL DUCTWORK, PIPING, DIFFUSERS, GRILLES, CONTROLS, AND ACCESSORIES AS INDICATED AND AS REQUIRED.
 3. REMOVE ALL DEBRIS AND RUBBISH DAILY AND ONCE WORK IS COMPLETE.
 4. COORDINATE WORK WITH ALL TRADES.
 5. SUITABLE FIRE STOP & SMOKE SEAL MATERIALS AS REQUIRED. COORDINATE ALL REQUIREMENTS WITH GENERAL TRADE ON SITE.
 6. ALL EXISTING EQUIPMENT AND CONTROLS WIRING TO BE SECURED AND RETAINED IN PLACE FOR FUTURE USE.



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TORONTO ONTARIO M5R 2V3
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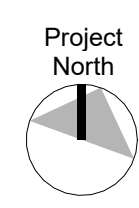
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Centennial Story Arts Centre Relocation

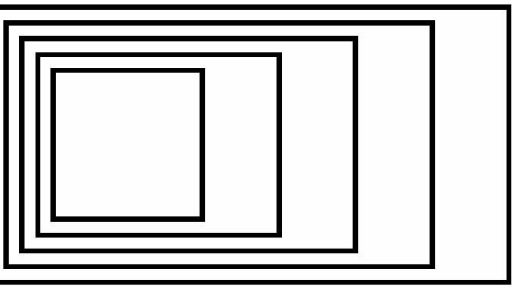
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LEVEL 1 HVAC DEMOLITION PLAN

Scale: 1:100
Project Number: 25-120
Drawn By: N.O.
Checked By: M.V.



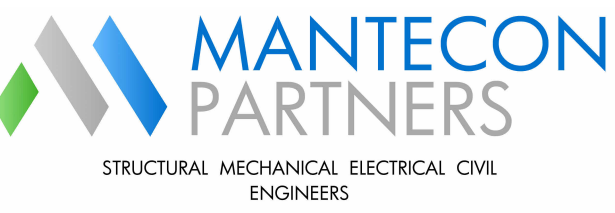
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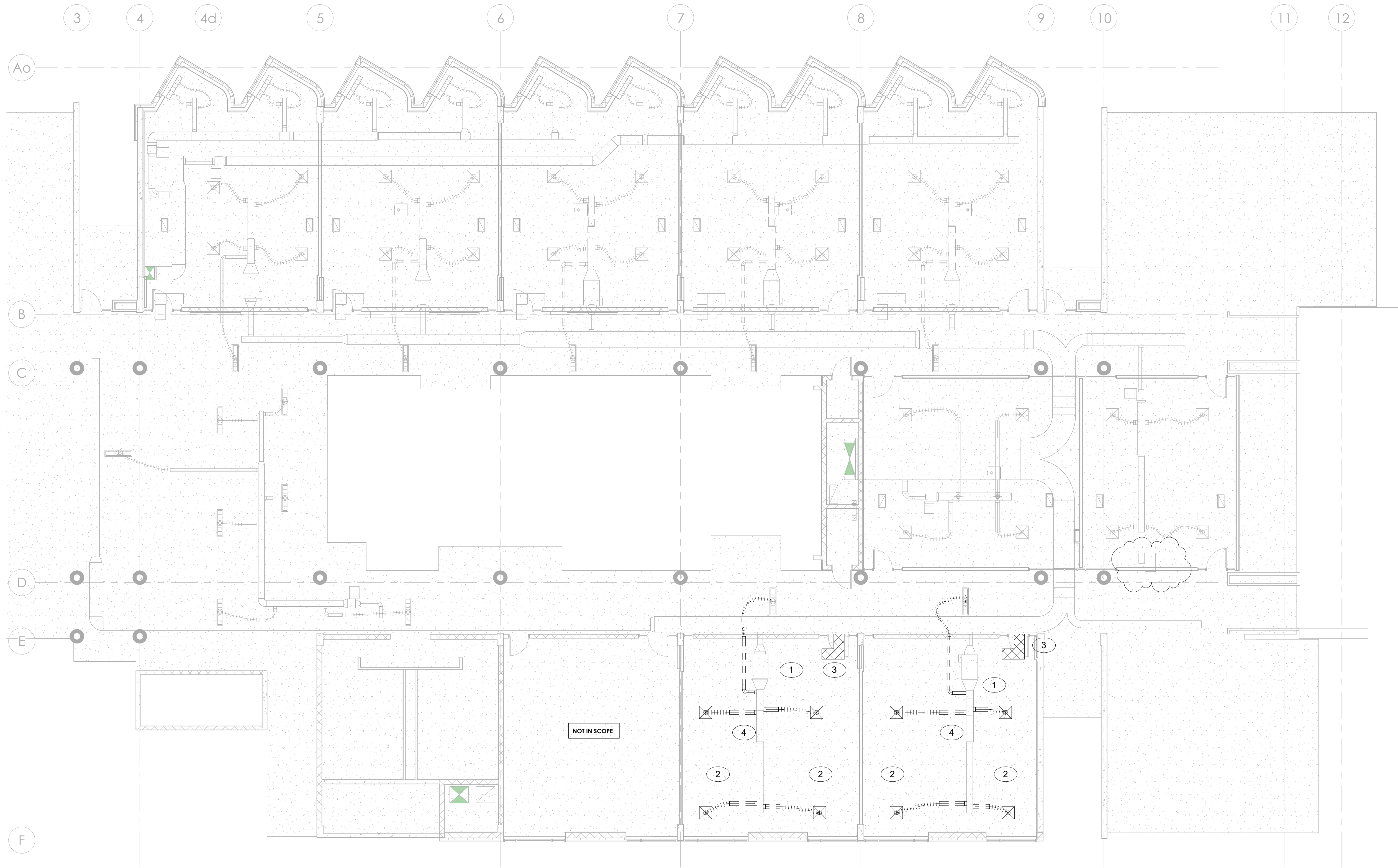
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NOT IN SCOPE

DRAWING NOTES

- 1 DEMOLISH AND REMOVE EXISTING SUPPLY AIR DIFFUSER AND ASSOCIATED FLEX CONNECTION (TYPICAL OF FOUR).
- 2 DEMOLISH AND REMOVE RETURN AIR GRILLE FROM CEILING.
- 3 DEMOLISH AND REMOVE ACOUSTIC RETURN AIR DUCTWORK FROM CEILING.
- 4 CAP ALL DUCT OPENING AFTER DEMOLITION.

DRAWING NOTES

- 1. THIS DRAWING INDICATES GENERAL INTENT OF DEMOLITION ONLY. CONTRACTOR TO VERIFY SITE CONDITION BEFORE DEMOLITION AND COMMENCING WORK. REPORT TO ENGINEER ANY DISCREPANCIES BETWEEN EXISTING AND DEMOLITION INTENT.
- 2. DEMOLISH ALL DUCTWORK, PIPING, DIFFUSERS, GRILLES, CONTROLS, AND ACCESSORIES AS INDICATED AND AS REQUIRED.
- 3. REMOVE ALL DEBRIS AND RUBBISH DAILY AND ONCE WORK IS COMPLETE.
- 4. COORDINATE WORK WITH ALL TRADES.
- 5. SUITABLE FIRE STOP & SMOKE SEAL MATERIALS AS REQUIRED. COORDINATE ALL REQUIREMENTS WITH GENERAL TRADE ON SITE.
- 6. ALL EXISTING EQUIPMENT AND CONTROLS WIRING TO BE SECURED AND RETAINED IN PLACE FOR FUTURE USE.

| | | |
|---|------------------------------|------------|
| 4 | Issued for Addendum 1 | 2026-02-24 |
| 3 | Issued for Tender Demolition | 2026-02-13 |
| 2 | Issued For Progress Review | 2026-02-06 |
| 1 | Issued For 50% DD SET | 2026-01-16 |

| No. | ISSUED/REVISED | DATE |
|-----|----------------|------|
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CentennialL Story Arts Centre Relocation

941 PROGRESS AVENUE
SCARBOROUGH, ONTARIO M1G 3T8

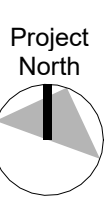
LEVEL 2 HVAC DEMOLITION PLAN

Scale: 1 : 100

Project Number: 25-120

Drawn By: M.V

Checked By: N.O



1 LEVEL 2 HVAC EXISTING PLAN
MD-101 1:100

MD-101

ELECTRICAL DEMOLITION DRAWING LIST

| DWG No. | DRAWING NAME |
|---------|---|
| ED-000 | LEAD SHEET (DRAWING LIST, LEGEND & NOTES) |
| ED-001 | ELECTRICAL SPECIFICATIONS (SHEET 1 OF 2) |
| ED-002 | ELECTRICAL SPECIFICATIONS (SHEET 2 OF 2) |
| ED-100 | LEVEL 1 - POWER AND SYSTEMS DEMOLITION PLAN |
| ED-101 | LEVEL 2 - POWER AND SYSTEMS DEMOLITION PLAN |
| ED-200 | LEVEL 1 - LIGHTING AND FIRE ALARM PLAN |
| ED-201 | LEVEL 2 - LIGHTING AND FIRE ALARM PLAN |

GENERAL NOTES

- REVIEW ARCHITECTURAL, MECHANICAL, CIVIL, AND STRUCTURAL DRAWINGS AND PROVIDE ON SITE INSPECTIONS TO DETERMINE FULL EXTENT OF PROJECT PRIOR TO SUBMITTING BID.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE ONTARIO BUILDING CODE (OBC), ONTARIO ELECTRICAL SAFETY CODE (OESC) AND THE LOCAL AUTHORITIES REQUIREMENTS.
- UPON THE COMPLETION OF THE CONTRACT, ISSUE A FORMAL CERTIFICATE INDICATING THE DATE OF COMPLETION OF WORK, REPAIR OR REPLACE ANY DEFECTS WHICH MAY APPEAR IN ANY OF THE WORK WITHIN ONE (1) YEAR.

GENERAL NOTES - DEMOLITION

- ELECTRICAL SYSTEMS SHOWN ON DEMOLITION PLANS ARE BASED ON INFORMATION OBTAINED FROM ORIGINAL CONSTRUCTION CONTRACT/TENDER DOCUMENTS. THESE DRAWINGS ARE NOT BASED ON "AS-BUILT RECORD" OR ON EXHAUSTIVE FIELD MEASUREMENT AND ARE PROVIDED TO ASSIST THE CONTRACTOR IN DETERMINING THE EXTENT OF WORK REQUIRED. THE CONTRACTOR SHALL MAKE ALLOWANCE IN THEIR TENDER PRICE FOR THE REMOVAL OF ADDITIONAL ABANDONED SERVICES AND THE PROTECTION OF EXISTING SERVICES THAT MUST REMAIN. RECORD THE LOCATION OF ALL EXISTING SERVICES THAT REMAIN ON AS-BUILT RECORD DRAWINGS.

LEGEND - POWER SYSTEM

THIS LEGEND OF SYMBOLS REPRESENTS MANTECON PARTNERS INC. STANDARD LEGEND. ALL SYMBOLS MAY NOT APPEAR ON DRAWINGS.

| SYMBOL | DESCRIPTION |
|--------|--|
| | DUPLEX RECEPTACLE |
| | GFCI RECEPTACLE |
| | 20A T-SLOT RECEPTACLE |
| | ISOLATED GROUND RECEPTACLE |
| | SINGLE RECEPTACLE |
| | QUAD RECEPTACLE |
| | DUPLEX RECEPTACLE - FLOOR MOUNTED |
| | QUAD RECEPTACLE - FLOOR MOUNTED |
| | DUPLEX RECEPTACLE - CEILING MOUNTED |
| | SPLIT RECEPTACLE |
| | DIRECT CONNECTION |
| | NON FUSED DISCONNECT SWITCH |
| | FUSED DISCONNECT SWITCH |
| | NON-FUSED DIRECT CONNECTION |
| | MOTOR CONNECTION (DISCONNECT BY ELECTRICAL) |
| | MOTOR CONNECTION (COMBINATION STARTER BY ELECTRICAL) |
| | MOTOR CONNECTION (UNIT MOUNTED DISCONNECT BY MECHANICAL) |
| | JIFFY/PAC POLE |
| | JUNCTION BOX |
| | CONTROL SWITCH |
| | RELAY |
| | ELECTRICAL PANEL |
| | GROUND BAR |
| | LIGHTNING AIR TERMINAL |
| | GROUND ROD |
| | FURNITURE WHIP - POWER |
| | DUAL RECEPTACLE WITH USB POWER |
| | PULLBOX |
| | TRANSFORMER |

LEGEND - SINGLE LINE DIAGRAM

THIS LEGEND OF SYMBOLS REPRESENTS MANTECON PARTNERS INC. STANDARD LEGEND. ALL SYMBOLS MAY NOT APPEAR ON DRAWINGS.

| SYMBOL | DESCRIPTION |
|--------|---------------------------------|
| | BREAKER (MCCB) |
| | FUSED DISCONNECT SWITCH |
| | SWITCH |
| | FUSE |
| | DRAWOUT BREAKER |
| | METER SOCKET |
| | TRANSFORMER |
| | GENERATOR |
| | DIGITAL MULTIMETER |
| | AUTOMATIC TRANSFER SWITCH (ATS) |
| | BREAKER WITH LSI PROTECTION |
| | BREAKER WITH LSIG PROTECTION |
| | SURGE PROTECTION DEVICE |
| | POWER METER |

LEGEND - LIGHTING SYSTEM

THIS LEGEND OF SYMBOLS REPRESENTS MANTECON PARTNERS INC. STANDARD LEGEND. ALL SYMBOLS MAY NOT APPEAR ON DRAWINGS.

| SYMBOL | DESCRIPTION |
|--------|------------------------------------|
| | 2 X 2 FIXTURE |
| | 2 X 4 FIXTURE |
| | LINEAR FIXTURE |
| | LINEAR FIXTURE - WALL MOUNTED |
| | POT LIGHT |
| | 2 X 2 FIXTURE - EMERGENCY |
| | LINEAR FIXTURE - EMERGENCY |
| | POT LIGHT - EMERGENCY |
| | PENDENT - CEILING MOUNTED |
| | WALL PACK |
| | TRACK LIGHT |
| | HIGH BAY LIGHT |
| | TOGGLE SWITCH (SINGLE) |
| | TOGGLE SWITCH (DUAL) |
| | TOGGLE SWITCH (TRIPLE) |
| | DIMMER SWITCH (SINGLE) |
| | DIMMER SWITCH (DUAL) |
| | DIMMER SWITCH (TRIPLE) |
| | MOTION SENSOR SWITCH - WALL |
| | MOTION SENSOR SWITCH - CEILING |
| | POWERPACK |
| | TIME CLOCK |
| | PHOTOCELL |
| | LOAD CONTROLLER - TYPE 1 |
| | LOAD CONTROLLER - TYPE 2 |
| | LOAD CONTROLLER - EMERGENCY |
| | DAYLIGHT SENSOR |
| | LIGHTING CONTROL PANEL |
| | LIGHTING CONTROL KEYPAD |
| | LIGHTING CONTROL KEYPAD - 6 BUTTON |

LEGEND - SECURITY SYSTEM

THIS LEGEND OF SYMBOLS REPRESENTS MANTECON PARTNERS INC. STANDARD LEGEND. ALL SYMBOLS MAY NOT APPEAR ON DRAWINGS.

| SYMBOL | DESCRIPTION |
|--------|-------------------------------|
| | ELECTRIC STRIKE |
| | DOOR CONTACT |
| | MAGLOCK |
| | CARD READER |
| | PUSH BUTION |
| | SECURITY PANEL |
| | SECURITY INTERCOM WITH CAMERA |
| | PIR MOTION DETECTOR |
| | SECURITY CAMERA |

LEGEND - COMMUNICATIONS

THIS LEGEND OF SYMBOLS REPRESENTS MANTECON PARTNERS INC. STANDARD LEGEND. ALL SYMBOLS MAY NOT APPEAR ON DRAWINGS.

| SYMBOL | DESCRIPTION |
|--------|---|
| | DATA OUTLET |
| | TELEPHONE OUTLET |
| | DATA OUTLET - CEILING |
| | DATA OUTLET - FLOOR |
| | TELEPHONE AND DATA OUTLET |
| | COAXIAL OUTLET |
| | FURNITURE WHIP - DATA |
| | DIGITAL CLOCK |
| | PUBLIC ADDRESS SPEAKER - CEILING |
| | PUBLIC ADDRESS SPEAKER AND CALL SWITCH |
| | PUBLIC ADDRESS PAGING SPEAKER AND HANDSET |
| | WIRELESS ACCESS POINT |
| | IT RACK - 2 POST |
| | IT RACK - 4 POST |
| | ELECTRICAL BACKBOARD |

LEGEND - FIRE ALARM SYSTEM

THIS LEGEND OF SYMBOLS REPRESENTS MANTECON PARTNERS INC. STANDARD LEGEND. ALL SYMBOLS MAY NOT APPEAR ON DRAWINGS.

| SYMBOL | DESCRIPTION |
|--------|--|
| | BELL - WALL |
| | BELL AND STROBE - WALL |
| | HORN - WALL |
| | STROBE - CEILING |
| | STROBE - WALL |
| | FIRE ALARM SPEAKER - CEILING |
| | FIRE ALARM SPEAKER AND STROBE - CEILING |
| | FIRE ALARM PULLSTATION |
| | HORN AND STROBE - CEILING |
| | HORN AND STROBE - WALL |
| | SMOKE DETECTOR - CEILING |
| | DUCT SMOKE DETECTOR |
| | SMOKE DETECTOR W/CARBON MONOXIDE - CEILING |
| | HEAT DETECTOR - CEILING |
| | SMOKE ALARM W/CARBON MONOXIDE & STROBE |
| | SMOKE ALARM - CEILING |
| | CARBON MONOXIDE - CEILING |
| | FLOW SWITCH |
| | PRESSURE SWITCH |
| | SUPERVISORY VALVE |
| | LINE ISOLATOR |
| | END OF LINE RESISTOR |
| | DOOR HOLD OPEN |
| | FIRE ALARM CONTROL PANEL |
| | FIRE ALARM ANNUCIATOR PANEL |
| | FLOW SWITCH + SUPERVISED VALVE + PRESSURE SWITCH |

LEGEND - ABBREVIATIONS

THIS LEGEND OF SYMBOLS REPRESENTS MANTECON PARTNERS INC. STANDARD LEGEND. ALL SYMBOLS MAY NOT APPEAR ON DRAWINGS.

| SYMBOL | DESCRIPTION |
|--------|--------------------------------|
| MTG | MOUNTING |
| ADO | AUTOMATIC DOOR OPENER |
| D/W | DISHWASHER |
| ER | EXISTING TO BE RELOCATED |
| EX | EXISTING TO REMAIN |
| F/R | REFRIGERATOR |
| GFI | GROUND FAULT INTERRUPT |
| HD | HAND DRYER |
| M/W | MICROWAVE |
| NL | NIGHT LIGHT |
| P/L | PUSH TO LOCK |
| P/O | PUSH TO OPEN |
| R | REMOVE |
| R/R | REMOVE AND REINSTALL |
| WP | WEATHER PROOF |
| C/H | COUNTER HEIGHT |
| PLB | PUMMING TRANSFORMER |
| CT | ADULT CHANGE TABLE |
| UMR | UNIT MOUNTED RECEPTACLE |
| MD | MOTORIZED DAMPER |
| MDCP | MOTORIZED DAMPER CONTROL PANEL |
| PRJ | PROJECTOR |

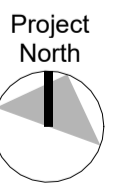
| | | |
|---|------------------------------|----------|
| 3 | ISSUED FOR ADDENDUM 1 | 02/24/26 |
| 2 | ISSUED FOR TENDER DEMOLITION | 02/13/26 |
| 1 | ISSUED FOR PROGRESS REVIEW | 02/09/26 |

| No. | ISSUED/REVISED | DATE |
|-----|----------------|------|
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Centennial Story Arts Centre
Relocation

941 Progress Ave, Scarborough, ON, M1G 3T8

LEAD SHEET (DRAWING LIST, LEGEND & NOTES)



Scale: As indicated

Project Number:
25-120
Drawn By:
P.O.
Checked By:
N.A.

ED-000

COMMON WORK RESULTS 26 05 00

1. GENERAL INSTRUCTIONS
 1. THIS SECTION SPECIFIES REQUIREMENTS AND INSTRUCTIONS THAT ARE COMMON TO ELECTRICAL DIVISION OF THE SPECIFICATION AND IT IS A SUPPLEMENT TO EACH SECTION AND IS TO BE READ ACCORDINGLY.
 1. ANY ITEM OR SUBJECT WHICH IS SHOWN, MENTIONED, OR REASONABLY IMPLIED ON EITHER DRAWINGS OR IN THE SPECIFICATIONS IS CONSIDERED TO BE PROPERLY AND SUFFICIENTLY SPECIFIED AND MUST BE PROVIDED. PROVIDE ALL MATERIAL, LABOUR, EQUIPMENT, TOOLS, CONSUMABLES, ETC. REQUIRED TO COMPLETE ALL THE WORK OF THE ELECTRICAL DIVISION THESE COMMON WORKS RELATE TO ALL SCOPE OF WORK RELATED WITHIN THE ELECTRICAL DIVISIONS WHICH INCORPORATES:
 1. ELECTRICAL DRAWINGS
 2. DIVISION 26 ELECTRICAL SPECIFICATION
 3. THESE COMMON WORKS ALSO HAVE THE FOLLOWING SECTIONS WHICH ARE APPLICABLE TO ALL SECTIONS WITHIN AND SUPPLEMENT THE SECTION:
 1. 26 05 05 - DEMOLITION AND REVISION WORK
 2. PRODUCTS FURNISHED/SUPPLIED BUT NOT INSTALLED UNDER THIS SECTION:
 1. SUPPLY TO DIVISION OF INSTALLER THE ACCESS DOORS, PROVIDE LOCATION WHERE THESE DOORS AND ORIENTATION THESE DOORS SHOULD BE INSTALLED.
 3. RELATED SECTIONS: THE FOLLOWING IS INCLUDED FOR REFERENCE ONLY AND SHALL NOT BE PRESUMED COMPLETE:
 1. DIVISION 26 ELECTRICAL
2. PRICE AND PAYMENT PROCEDURES
 1. MEASUREMENT AND PAYMENT:
 1. IF A CHANGE TO THE WORK IS REQUESTED, THE CONTRACTOR TO SUBMIT PRICING FOR THE CHANGE INCLUDING AN ITEMIZED LIST OF THE ASSOCIATED MATERIAL AND LABOUR CHANGES AND COSTS. APPLY MARK-UP AS INDICATED IN THE CONTRACT.
 2. A CHANGE MUST BE APPROVED BY THE CONTRACTOR BEFORE THE WORK IS TO PROCEED. IF WORK IS PERFORMED WITHOUT SUCH APPROVAL, IT IS PERFORMED AT THE CONTRACTOR'S OR SUB-CONTRACTOR'S RISK.
 3. IN THE EVENT OF A DISAGREEMENT BY THE CONTRACTOR OVER VALUATION OF THE CHANGE IN WORK, RESOLUTION WILL FOLLOW THE PROCEDURE OUTLINED BELOW:
 1. LABOUR HOURS ARE DERIVED USING THE RELEVANT ELECTRICAL COSTING BOOK.
 2. LABOUR RATES ARE AS STATED IN THE INSTRUCTIONS TO BIDDERS.
 3. MATERIAL PRICES ARE "TRADE" PRICES PROVIDED BY A LOCAL SUPPLIER OR DISTRIBUTOR.
 4. MATERIAL REQUIREMENTS ARE OBTAINED FROM FIELD MEASUREMENTS.
 5. MAJOR EQUIPMENT PRICES ARE REASONABLY NEGOTIATED.
 2. PROGRESS PAYMENT BREAKDOWN:
 1. SUBMIT, PRIOR TO SUBMITTAL OF THE FIRST PROGRESS PAYMENT DRAW, A BREAKDOWN OF THE COST OF THE ELECTRICAL WORK TO ASSIST THE CONSULTANT IN REVIEWING AND APPROVING MONTHLY PROGRESS PAYMENT CLAIMS.
 2. THE PAYMENT BREAKDOWN IS SUBJECT TO THE CONSULTANT'S APPROVAL AND PROGRESS PAYMENTS WILL NOT BE PROCESSED UNTIL AN APPROVED BREAKDOWN IS IN PLACE. THE BREAKDOWN IS TO INCLUDE ONE TIME CLAIM ITEMS SUCH AS MOBILIZATION AND DEMOBILIZATION, INSURANCE BONDS (IF APPLICABLE), SHOP DRAWINGS AND PRODUCT DATA SHEETS, COMMISSIONING, AND PROJECT CLOSEOUT SUBMITTALS.
 3. BREAKDOWN TO INCLUDE THE FOLLOWING LINE ITEMS AS A MINIMUM:
 1. JOB COSTS (PERMITS, BONDS, MOBILIZATION, SUPERVISION, AND JOB FOREMAN)
 2. DEMOLITION AND RELOCATION
 3. DISTRIBUTION AND SERVICE (PANELS, FEEDERS, AND MAIN SERVICE)
 4. EMERGENCY WIRING SYSTEM (TO INCLUDE DISTRIBUTION EQUIPMENT AND WIRING)
 5. MECHANICAL EQUIPMENT WIRING (TO INCLUDE STARTERS, MOTOR CONTROL CENTRES, DISCONNECT SWITCHES, AND WIRING)
 6. BRANCH WIRING (TO INCLUDE DEVICES, COVER PLATES, INSTALLATION, AND WIRING)
 7. LIGHTING (TO INCLUDE FIXTURES, MOUNTING, INSTALLATION, AND WIRING)
 8. EMERGENCY LIGHTING SYSTEM (TO INCLUDE BATTERY UNITS, EXIT LIGHTS, REMOTE FIXTURES, AND WIRING)
 9. LIGHTING CONTROL SYSTEM
 10. EXTRA-LOW VOLTAGE PATHWAYS (TO INCLUDE CABLE TRAY, WIREWAYS, CONDUITS, SLEEVES, DUCTBANK, AND FRESTOPPING)
 11. STRUCTURED CABLING SYSTEM (TO INCLUDE CABLING, OUTLETS, PATCH PANELS, RACKS, AND TELECOMMUNICATION GROUNDING)
 12. AUDIO-VISUAL SYSTEM
 13. VIDEO SURVEILLANCE SYSTEM
 14. ACCESS CONTROL SYSTEM
 15. FIRE ALARM SYSTEM
 16. MISCELLANEOUS EQUIPMENT, SYSTEMS, AND ASSOCIATED WIRING
4. REFERENCES
 1. DEFINITIONS:
 1. THE FOLLOWING ARE DEFINITIONS OF WORDS FOUND IN ELECTRICAL WORK SECTIONS OF THE SPECIFICATION AND ON ASSOCIATED DRAWINGS:
 1. "CONCEALED" - MEANS WORK HIDDEN FROM NORMAL SIGHT IN FURRED SPACES, SHAFTS, TUNNELS, CEILING SPACES, WALLS AND PARTITIONS
 2. "EXPOSED" - MEANS WORK NORMALLY VISIBLE, INCLUDING WORK IN ELECTRICAL AND EQUIPMENT ROOMS AND SIMILAR SPACES
 3. "PROVIDE" (AND TENSES OF PROVIDE) - MEANS SUPPLY AND INSTALL COMPLETE
 4. "INSTALL" (AND TENSES OF INSTALL) - MEANS PART AND CONNECT COMPLETE
 5. "SUPPLY" - MEANS SUPPLY ONLY
 6. "FINISHED AREA" - MEANS ANY AREA OR PART OF AN AREA WHICH RECEIVES A FINISH SUCH AS PAINT, OR IS FACTORY FINISHED
 7. "GOVERNING AUTHORITY AND/OR REGULATORY AUTHORITY" AND/OR "MUNICIPAL AUTHORITY" - MEANS ALL GOVERNMENT DEPARTMENTS, AGENCIES, STANDARDS, RULES AND REGULATIONS THAT APPLY TO AND GOVERN THE ELECTRICAL WORK AND TO WHICH THE WORK MUST ADHERE
 8. "CONSULTANT" - MEANS THE ARCHITECT OR CONSULTING ENGINEER WHO HAS PREPARED THE CONTRACT DOCUMENTS ON BEHALF OF THE OWNER
 9. WHEREVER THE WORDS "INDICATED", "SHOWN", "NOTED", "LISTED", OR SIMILAR WORDS OR PHRASES ARE USED IN THE SPECIFICATION THEY ARE UNDERSTOOD, UNLESS OTHERWISE DEFINED, TO MEAN THAT THE PRODUCT REFERRED TO IS "INDICATED", "SHOWN", "NOTED", OR "LISTED" ON THE DRAWINGS.
 10. WHEREVER THE WORDS "APPROVED", "SATISFACTORY", "AS DIRECTED", "SUBMIT", "TERMINATED", "INSPECTED" OR SIMILAR WORDS OR PHRASES ARE USED IN THE SPECIFICATION OR ON THE DRAWINGS THEY ARE UNDERSTOOD, UNLESS OTHERWISE DEFINED, TO MEAN THAT WORK OR PRODUCT REFERRED TO IS "APPROVED BY", "INSPECTED BY", ETC. BY THE CONSULTANT.
 11. IN THE ELECTRICAL SPECIFICATION, SINGULAR MAY BE READ AS PLURAL, AND VICE-VERSA.
 2. REFERENCE STANDARDS: VERSIONS OF THE FOLLOWING STANDARDS CURRENT AS OF THE DATE OF ISSUE OF THE PROJECT APPLY TO THE WORK OF THIS DIVISION. WHERE REGULATORY REQUIREMENTS USE OLDER VERSIONS OF A STANDARD, COMPLY WITH THE VERSION YEAR ADOPTED BY THE AUTHORITY HAVING JURISDICTION
 1. UNDERWRITERS LABORATORIES OF CANADA (ULC):
 1. CAN/ULC 5524 - STANDARD FOR INSTALLATION OF FIRE ALARM SYSTEMS
 2. CAN/ULC 5537 - STANDARD FOR VERIFICATION OF FIRE ALARM SYSTEMS
5. ADMINISTRATIVE REQUIREMENTS
 1. PLAN WORK WELL IN ADVANCE TO ELIMINATE DELIVERY, INSTALLATION AND CO-ORDINATION DIFFICULTIES, BE HELD EQUALLY RESPONSIBLE WITH OTHER SECTIONS OR DIVISIONS TO RESOLVE INTERFERENCES AND TO CO-OPERATE WITH OTHER SECTIONS TO SATISFACTORILY COMPLETE THE PROJECT, BEING THERE FIRST WILL NOT BE ACCEPTED AS A LEGITIMATE REASON.
 2. EXAMINATION OF SITE AND DOCUMENTS:
 1. WHEN ESTIMATING THE COST OF THE WORK AND PRIOR TO SUBMITTING A BID FOR THE WORK CAREFULLY EXAMINE ALL THE BID DOCUMENTS AND VISIT THE SITE TO DETERMINE AND REVIEW ALL EXISTING SITE CONDITIONS THAT WILL OR MAY AFFECT THE WORK AND INCLUDE FOR ALL SUCH CONDITIONS IN THE BID PRICE.
 2. REPORT TO THE CONSULTANT, PRIOR TO BID SUBMITTAL, ANY EXISTING SITE CONDITION THAT WILL OR MAY AFFECT PERFORMANCE OF THE WORK AS PER THE DRAWINGS AND SPECIFICATIONS, FAILURE TO DO SO WILL NOT BE GROUNDS FOR ADDITIONAL COSTS.
 3. DRAWINGS AND SPECIFICATION:
 1. READ THE ELECTRICAL WORK DRAWINGS IN CONJUNCTION WITH ALL WORK DRAWINGS INCLUDING BUT NOT LIMITED TO ARCHITECTURAL, AND MECHANICAL.
 2. THE ELECTRICAL DRAWINGS ARE PERFORMANCE DRAWINGS, DIAGRAMMATIC, AND SHOW APPROXIMATE LOCATIONS OF EQUIPMENT AND CONNECTING SERVICES. ANY INFORMATION REGARDING ACCURATE MEASUREMENT OF THE BUILDING IS TO BE TAKEN AT THE SITE. DO NOT SCALE THE DRAWINGS, AND DO NOT USE THE DRAWINGS FOR PREPARATION WORK.
 3. THE DRAWINGS ARE INTENDED TO CONVEY THE SCOPE OF WORK AND NOT SHOW ARCHITECTURAL AND STRUCTURAL DETAILS. INCLUDE COST FOR ALL OFFSETS, FITTINGS, TRANSFORMATIONS, AND SIMILAR PRODUCTS REQUIRED AS A RESULT OF OBSTRUCTIONS AND OTHER ARCHITECTURAL DETAILS BUT NOT SHOWN ON THE DRAWINGS.
 4. THE LOCATIONS OF EQUIPMENT AND MATERIALS SHOWN MAY BE ALTERED, WHEN REVIEWED BY THE CONSULTANT, INCLUDE COST TO MEET REQUIREMENTS OF THE EQUIPMENT AND/OR MATERIALS, OTHER EQUIPMENT OR SYSTEMS BEING INSTALLED, AND OF THE BUILDING.
 5. SECTIONS OF THE ELECTRICAL DIVISION ARE NOT INTENDED TO DELEGATE FUNCTIONS NOR TO DELEGATE WORK AND SUPPLY OF MATERIALS TO ANY SPECIFIC TRADE, BUT RATHER TO GENERALLY DESIGNATE A BASIC UNIT OF WORK, AND THE SECTIONS ARE TO BE READ AS A WHOLE.
 6. THE ELECTRICAL SPECIFICATION DOES NOT GENERALLY INDICATE THE SPECIFIC NUMBER OF ITEMS OR EXTENT OF MATERIAL REQUIRED. THE SPECIFICATION IS INTENDED TO PROVIDE PRODUCT DATA AND INSTALLATION REQUIREMENTS. IT IS NECESSARY TO REFER TO DRAWING SCHEDULES, LAYOUTS, SCHEMATIC DIAGRAMS, RISER DIAGRAMS, AND DETAILS TO DETERMINE CORRECT QUANTITIES.
 7. THE ELECTRICAL DRAWINGS AND SPECIFICATION ARE INTENDED TO BE COOPERATIVE. PERFORM ALL WORK THAT IS SHOWN, SPECIFIED, OR REASONABLY IMPLIED ON THE DRAWINGS BUT NOT MENTIONED IN THE SPECIFICATION, OR VICE-VERSA, AS THOUGH FULLY COVERED BY BOTH.
 8. WHEN THE SCALE AND DATE OF THE DRAWINGS ARE THE SAME, OR WHEN THE DISCREPANCY EXISTS WITHIN THE SPECIFICATION, THE COSTLIEST ARRANGEMENT WILL TAKE PRECEDENCE.
 9. IN THE CASE OF DISCREPANCIES OR CONFLICTS BETWEEN THE DRAWINGS AND SPECIFICATION, THE DOCUMENTS WILL GOVERN IN THE FOLLOWING ORDER:
 1. THE SPECIFICATION
 2. DRAWINGS OF LARGER SCALE
 3. DRAWINGS OF SMALLER SCALE
 4. DRAWINGS OF LATER DATE WHEN THE SCALE OF THE DRAWINGS IS THE SAME
 10. IN THE CASE OF DISCREPANCIES BETWEEN THE DRAWINGS AND SPECIFICATION, THE DOCUMENTS WILL GOVERN IN THE ORDER SPECIFIED IN THE GENERAL CONDITIONS, HOWEVER, WHEN THE SCALE AND DATE OF THE DRAWINGS ARE THE SAME, OR WHERE THE DISCREPANCY EXISTS WITHIN THE SPECIFICATION, THE COSTLIEST ARRANGEMENT WILL TAKE PRECEDENCE.

COMMON WORK RESULTS 26 05 00

4. COORDINATION:
 1. RELATION TO OTHER SECTIONS:
 1. PROVIDE ALL EXCAVATIONS, TRENCHING, BACKFILLING AND COMPACTION REQUIRED FOR THE ELECTRICAL DIVISIONS AT THE DIVISION'S EXPENSE UNLESS OTHERWISE SPECIFIED OR SHOWN. BACKFILL ALL EXCAVATIONS IN LAYERS WITH CLEAN MATERIALS 100 MM (4 IN) SAND BED AND COVER FOR DIRECT BURIED CONDUIT AND BEPWR COMPACTED TO A MINIMUM 95% PROCTOR (100% WITHIN BUILDING PERIMETER) UNLESS SPECIFIED TO BE HIGHER ELSEWHERE. RESTORE TO ORIGINAL CONDITION ALL SURFACES, LANDSCAPING, ETC. OBTAIN ACCURATE DIMENSIONS FROM THE ARCHITECTURAL AND STRUCTURAL DRAWINGS, PERIMETER OR NEAR EXISTING SERVICES. PROTECT EXISTING CONSTRUCTION AND SERVICES TO PREVENT DAMAGE; HAND EXCAVATE WHERE APPLICABLE.
 2. PROVIDE ALL CUTTING AND PATCHING REQUIRED FOR THE SECTION WORK BY THE APPLICABLE DIVISIONS AT THE EXPENSE OF THE ELECTRICAL DIVISION UNLESS OTHERWISE SPECIFIED OR SHOWN. REFER TO THE ARCHITECTURAL SPECIFICATIONS AND DRAWINGS FOR DETAILS OF CUTTING AND PATCHING PROVISIONS AND REQUIREMENTS.
 3. PROVIDE ALL SLEEVES, INSERTS, HANGERS AND CORE DRILLING OR INSTALLATION REQUIRED FOR COMPLETION OF THE SECTION WORK. COORDINATE THE LOCATION OF INSERTS, SLEEVES, HANGERS, HOLES, BACK BOXES, TUBS, JUNCTION BOXES, ETC., WITH THE RESPECTIVE SECTION INTO WHOSE MATERIALS THEY ARE BEING INSTALLED. EXTEND ALL REOR AND ROOF SLEEVES 100 MM (4 IN) ABOVE THE FINISHED LEVELS UNLESS NOTED OTHERWISE. COMPLETE ALL ROOF SLEEVES WITH ROOF FLASHING AND RAIN SHIELDS TO ENSURE A WEATHERPROOF SEAL.
 4. SEAL HOLES AND INSTALL SLEEVES FOR ELECTRICAL INSTALLATIONS PERCING FIRE, SMOKE, THERMAL, EXTERIOR, AND ACOUSTIC SEPARATIONS TO MINIMUM SIZES.
 1. SEAL ALL GAPS ON BOTH SIDES OF THE SEPARATION BY A QUALIFIED TRADESMAN USING MATERIALS AND METHODS DESCRIBED IN THE APPLICABLE SPECIFICATION SECTION TO MAINTAIN THE APPROPRIATE RATING, ACOUSTIC, THERMAL BRIDGE, OR WATER RESISTANCE. ALL COSTS FOR SUCH WILL BE PAID FOR BY THE ELECTRICAL DIVISION.
 2. IF AN EXISTING PENETRATION IS NOT PROPERLY SEALED TO THESE STANDARDS, EITHER PROVIDE NEW PENETRATION FOR WORK OR SEAL EXISTING PENETRATION. WHERE MULTIPLE DIVISIONS ARE PENETRATING THE SAME SEPARATION, GROUP SERVICES AND SHARE CHARGING COSTS WHERE APPROPRIATE.
 5. WHERE ACCESS DOORS ARE REQUIRED FOR ELECTRICAL INSTALLATIONS, SUPPLY TYPES WITH SELF OPENING SCREWDRIVER LOCK AND POSITIVE LATCHING MECHANISM TO THE APPROPRIATE DIVISION OF SUBTRADE FOR INSTALLATION BY THEM IN THE WALLS OR CEILING. COST FOR INSTALLATION BY OTHER DIVISIONS ARE REQUIRED WHERE ELECTRICAL EQUIPMENT IS LOCATED BEHIND NON-ACCESSIBLE SURFACES AND WHERE ACCESS TO, OR SERVICING OF THE EQUIPMENT IS NECESSARY. THE ACCESS DOOR SIZE AND FIRE RATINGS MUST BE APPROVED BY THE CONTRACTOR. REFER TO THE ARCHITECTURAL SPECIFICATIONS FOR ACCESS DOOR AND ARCHITECTURAL CHANGES. REQUIRE INSTALLATIONS TO AVOID THE NEED FOR ACCESS DOORS WHERE INDICATED.
 6. IMMEDIATELY WRAP AND SEAL IN PLASTIC "BUBBLE" WRAP ALL FIXTURES, EQUIPMENT, AND SYSTEM COMPONENTS DELIVERED TO THE SITE AND NOT CONTAINED IN SEALED CARDBOARD CARTONS. FOLLOWING INSTALLATION, THE ITEMS WILL BE PROTECTED FROM DIRT, DUST, AND DAMAGE WITH SIMILAR PLASTIC WRAP OR PROTECTIVE ENCLOSURES UNTIL ENERGIZED AND PUT INTO FULL OPERATION.
 7. COORDINATE INSTALLATION OF SWITCHES, THERMOSTATS, AND OTHER DEVICES TOGETHER AT ONE COMMON LOCATION WITH INSTALLING SECTIONS AND OBTAIN APPROVAL ON SITE FROM THE CONTRACTOR OF EXACT ARRANGEMENT.
 2. WORK IN EXISTING BUILDINGS:
 1. COMPLETE ALL DEMOLITION AND REVISION WORK IN ACCORDANCE WITH SECTION 26 05 05 - DEMOLITION AND REVISION WORK
 2. VISIT THE SITE TO EXAMINE THE CONDITIONS AND MAKE NECESSARY ALLOWANCES IN BID PRICE FOR DEMOLITION, REMOVAL, RELOCATION, RE-ROUTING AND RECONNECTION OF EXISTING ELECTRICAL EQUIPMENT AND WIRING AS REQUIRED FOR THE EXECUTION AND COMPLETION OF THIS PROJECT. IN GENERAL, RELOCATE EXISTING SERVICES AS REQUIRED TO ACCOMMODATE NEW WORK AND ARCHITECTURAL CHANGES. IN AREAS BEING TOTALLY RENOVATED, PROVIDE ALL REMAINING ELECTRICAL DEMOLITION WORK AND REPLACE EXISTING INSTALLATIONS WITH NEW AS SHOWN. REMOVE ALL EXISTING EQUIPMENT AND MATERIALS PRIOR TO INSTALLATION OF NEW WORK. PROVIDE ALL NECESSARY EXTRA CHARGES FOR PREMIUM TIME AND TEMPORARY PROVISIONS; IF REQUIRED, TO COMPLETE THE WORK AS DESCRIBED AND ACCORDING TO THE SCHEDULE PROVIDED.
 3. INSTALL ALL CONDUIT AND FEEDERS THROUGH THE EXISTING BUILDING ALONG ROUTES SHOWN ON THE DRAWINGS OR APPROVED ON SITE BY THE OWNER AND CONTRACTOR. NEW INSTALLATIONS WILL NOT NECESSARILY BE ALLOWED ALONG SHORTEST ROUTES BUT SHOULD FOLLOW ROUTES INDICATED OR CORRIDORS OR ROUTES OF OTHER SERVICES WHERE POSSIBLE IN EXISTING BUILDINGS.
 4. UNLESS NOTED OTHERWISE, ALL EXISTING ELECTRICAL EQUIPMENT AND CABLING WHICH HAS NOT BEEN REMOVED OR IDENTIFIED TO BE TURNED OVER TO THE OWNER WILL BECOME THE PROPERTY OF THE DIVISION FOR DISPOSAL OR REMOVAL FROM THE SITE AS APPLICABLE AND HAVE NO APPROPRIATE SALVAGE VALUE INDICATED ON THE DRAWINGS. CLEAN AND PAINT, AS APPROPRIATE, EXISTING ELECTRICAL EQUIPMENT REMOVED AND INDICATED FOR RE-USE ON THIS PROJECT. REFURBISH OR REPLACE AS REQUIRED BEFORE RE-INSTALLATION.
 5. RE-ROUTED AS REQUIRED WIRING LOCATION IN AREAS BEING ALTERED OR DEMOLISHED, BY RE-FEEDING OUTLETS OR EQUIPMENT REQUIRED TO REMAIN IN SERVICE TO MAINTAIN THE CONTINUITY OF THESE SERVICES.
 7. COORDINATE SEQUENCE OF REMOVAL AND RELOCATION OF EXISTING EQUIPMENT AND WIRING WITH THE OTHER SECTIONS AND CONFORM TO THE REQUIREMENTS AND CONDITIONS OUTLINED.
 8. PROVIDE ADEQUATE PROTECTION TO EXISTING CABLING AND EQUIPMENT THROUGHOUT THE PROJECT AND PARTICULARLY WHERE CABLING AND EQUIPMENT HAVE BECOME EXPOSED TO MECHANICAL INJURY OR MOISTURE IN THE COURSE OF ALTERATIONS OR NEW CONSTRUCTION.
 9. IN SOME INSTANCES, NEW OUTLETS AND EQUIPMENT ARE SHOWN IN THE SAME LOCATION AS THE EXISTING OUTLETS. THESE MAY BE FED THROUGH THE EXISTING CONDUITS PROVIDED THAT THE CONDUITS AND CABLING ARE IN GOOD CONDITION AND ARE ACCEPTABLE TO THE ELECTRICAL AUTHORITY AS REUSABLE. ALL UNUSED CONDUIT ENTRANCE OPENINGS WILL BE SEALED.
 3. POWER INTERRUPTIONS:
 1. KEEP SERVICE AND DISTRIBUTION SYSTEM POWER INTERRUPTIONS TO A MINIMUM. COORDINATE POWER INTERRUPTIONS WITH THE OWNER AND ALL OTHER SUB-CONTRACTORS. PROVIDE TO THE OWNER WRITTEN APPLICATION FOR ELECTRICAL INTERRUPTIONS FROM THE ELECTRICAL DIVISION INDICATING THE DATE, TIME, AND ESTIMATED DURATION OF THE INTERRUPTION. SUBMIT APPLICATION FOR APPROVAL OF THE POWER INTERRUPTIONS TO THE OWNERS AND CONTRACTOR AT LEAST TWO (2) WEEKS PRIOR TO THE REQUESTED SHUT-DOWN DATE.
 2. PRIOR TO EACH SHUTDOWN OR INTERRUPTION, AGAIN INFORM THE OWNER IN WRITING SEVENTY-TWO HOURS IN ADVANCE OF THE PROPOSED SHUTDOWN OR INTERRUPTION AND OBTAIN WRITTEN APPROVAL TO PROCEED. DO NOT SHUTDOWN OR INTERRUPT ANY SYSTEM OR SERVICE WITHOUT SUCH WRITTEN APPROVAL.
 3. PERFORM WORK ASSOCIATED WITH SHUTDOWNS AND INTERRUPTIONS AS CONTINUOUS OPERATIONS TO MINIMIZE THE SHUTDOWN TIME AND TO REINSTATE THE SYSTEMS AS SOON AS POSSIBLE AND PRIOR TO ANY SHUTDOWN, ENSURE THAT ALL MATERIALS AND LABOUR REQUIRED TO COMPLETE THE WORK FOR WHICH THE SHUTDOWN IS REQUIRED ARE AVAILABLE AT THE SITE.
 5. PRE-TENDER ELECTRICAL CONTRACT:
 1. IT WILL BE UNDERSTOOD BY THE ELECTRICAL DIVISION THAT THEY WILL BE ASSIGNED THE PRE-TENDER EQUIPMENT CONTRACT, INITIATED BY THE CONTRACTOR IN ITS ENTIRETY AND BE RESPONSIBLE FOR ITS EXECUTION AND WARRANTY.
 2. IT REMAINS THE ELECTRICAL DIVISION'S RESPONSIBILITY TO CONTACT THE INDICATED SUPPLIER AND/OR MANUFACTURER PRIOR TO SUBMITTING THEIR BID PRICE TO DETERMINE THE EXACT PROVISIONS INCLUDED WITH THIS EQUIPMENT AND THE ON-SITE INSTALLATION, SET-UP, ASSEMBLY, ETC., REQUIREMENTS OF THE EQUIPMENT.
 3. SUBMISSION OF A BID FOR THE ELECTRICAL DIVISION IS A STATEMENT OF OBLIGATION TO SATISFACTORILY COMPLETE ALL OF THE WORK OF THE ELECTRICAL DIVISION, THE INCLUSION IN THEIR BID PRICE OF A FIXED PURCHASE AMOUNT FROM A SPECIFIC SUPPLIER FOR PRE-TENDERED ITEMS IN NO WAY RELIEVES THE ELECTRICAL DIVISION OF ANY RESPONSIBILITY FOR COMPLETION OF THE WORK IN TOTAL.
 4. ISSUE A PURCHASE ORDER AGREEMENT TO THE NOTED SUPPLIER FOR THE INDICATED AMOUNT. FOLLOWING DELIVERY OF THE EQUIPMENT TO THE SITE AND SECURING OR INSTALLATION, SUBMIT AN INVOICE FOR THE SPECIFIED AMOUNT OF SHOWN.
 5. THE ELECTRICAL DIVISION WILL INCLUDE IN THEIR BID PRICE THE VALUE OF ANY ADDITIONAL COSTS OR MARK-UPS DEEMED APPROPRIATE BY THEM FOR CO-ORDINATING AND ARRANGING PURCHASE, DELIVERY, INSTALLATION, SET-UP, ASSEMBLY, ETC., OF THE EQUIPMENT AND FOR ASSUMING TOTAL RESPONSIBILITY FOR THE INSTALLATIONS INCLUDING WARRANTY REQUIREMENTS.
 6. THE ELECTRICAL DRAWINGS DO NOT GENERALLY SHOW ANY STRUCTURAL OR ARCHITECTURAL DETAILS. TAKE ANY INFORMATION INVOLVING ACCURATE MEASUREMENTS OF THE BUILDING AND SITE FROM THE DIMENSIONAL DRAWINGS.
 7. DIMENSIONED DETAILS AND ELEVATIONS GENERALLY TAKE PRECEDENCE OVER OTHER CONFLICTING DETAILS, HOWEVER, WHERE A CONFLICT EXISTS CLARIFY BEFORE STARTING INSTALLATION. MAKE CHANGES REQUIRED TO EQUIPMENT OR THE INSTALLATION DUE TO THE ARCHITECTURAL OR STRUCTURAL DETAILS, WITHOUT ADDITIONAL CHARGES OR EXPENSE TO THE OWNER.
 6. SEQUENCING:
 1. PHASING OF THE WORK:
 1. PHASING OF THE WORK IS REQUIRED TO MAINTAIN THE EXISTING BUILDING IN OPERATION. INCLUDE ALL COSTS FOR PHASING THE WORK INCLUDING ALL REQUIRED "OFF HOURS" PREMIUM TIME LABOUR COSTS.
 7. PLANNING AND LAYOUT OF THE WORK, AND ASSOCIATED DRAWINGS:
 1. PROPERLY PLAN, COORDINATE, AND ESTABLISH THE LOCATIONS AND ROUTING OF SERVICES WITH ALL SUB-CONTRACTORS AFFECTED PRIOR TO INSTALLATION SUCH THAT THE SERVICES WILL CLEAR EACH OTHER AS WELL AS ANY OBSTRUCTIONS, INCLUDING STRUCTURAL COMPONENTS OF THE BUILDING, UNLESS OTHERWISE SPECIFIED, THE ORDER OF RIGHT-OF-WAY FOR SERVICES IS TO BE AS FOLLOWS:
 1. PIPING REQUIRING UNIFORM PITCH
 2. PIPING 100 MM (4 IN) DIAMETER AND LARGER
 3. ELECTRICAL CABLE TRAY AND BUS DUCT
 4. CONDUIT 100 MM (4 IN) DIAMETER AND LARGER
 5. PIPING LESS THAN 100 MM (4 IN) DIAMETER
 6. SMALLER BRANCH DUCTWORK
 7. CONDUIT LESS THAN 100 MM (4 IN) DIAMETER

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2. UNLESS OTHERWISE SHOWN OR SPECIFIED, CONCEAL ALL WORK IN FINISHED AREAS, AND CONCEAL WORKS TO THE EXTENT POSSIBLE IN UNFINISHED AREAS. PROVIDE ALL NECESSARY CONCEALMENT, CONSTRUCTION, INSTALL CONDUIT, RACEWAY, AND SIMILAR SERVICES AS HIGH AS POSSIBLE TO CONSERVE HEADROOM AND/OR CEILING SPACE. INSTALL CABLE TRAY USED FOR EXTRA-LOW VOLTAGE CABLES AS LOW AS POSSIBLE WHERE REMOVEABLE CEILING ARE INSTALLED. NOTIFY THE ARCHITECT OF ANY CONCEALMENT OF CEILING SPACE APPEARS TO BE IN REQUIRE PRIOR TO INSTALLATION OF THE WORK.
3. REVISE OR ALTER THE ARRANGEMENT OF WORK THAT HAS BEEN INSTALLED WITHOUT PROPER COORDINATION, STUDY AND REVIEW, EVEN IF IT WAS COMPLETED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, IN ORDER TO CONCEAL THE WORK BEHIND FINISHES, OR TO ALLOW THE INSTALLATION OF OTHER WORK, AT NO ADDITIONAL COST. IN ADDITION, PAY FOR THE COST OF ALTERATIONS IN OTHER WORK REQUIRED BY THE ALTERATIONS TO YOUR WORK.
4. ALL JUNCTION BOXES AND SIMILAR PRODUCTS, PARTICULARLY SUCH PRODUCTS LOCATED ABOVE SUSPENDED CEILINGS MUST BE LOCATED FOR EASY ACCESS FOR SERVICING AND/OR REMOVAL. PRODUCTS WHICH DO NOT MEET THIS LOCATION REQUIREMENT ARE TO BE RELOCATED TO AN ACCESSIBLE LOCATION AT NO ADDITIONAL COST.
8. PERMITS, FEES, AND CERTIFICATES:
 1. APPLY FOR, OBTAIN AND PAY FOR ALL PERMITS REQUIRED TO COMPLETE THE ELECTRICAL WORK.
 2. SUBMIT TO THE CONSULTANT, ALL APPROVAL/INSPECTION CERTIFICATES ISSUED BY GOVERNING AUTHORITIES TO CONFIRM THAT THE WORK AS SET-UP IS IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE GOVERNING AUTHORITIES. PAY ANY COSTS ASSOCIATED WITH ISSUE OF THE CERTIFICATES.
9. WORKPLACE SAFETY:
 1. COMPLY WITH REQUIREMENTS OF THE WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS) REGARDING THE USE, HANDLING, STORAGE, AND DISPOSAL OF HAZARDOUS MATERIALS. SUBMIT WHMIS MSDS (MATERIAL SAFETY DATA SHEETS) FOR ALL PRODUCTS WHERE REQUIRED AND MAINTAIN ONE COPY AT THE SITE IN A VISIBLE AND ACCESSIBLE LOCATION AVAILABLE TO ALL PERSONNEL.
 2. COMPLY WITH ALL REQUIREMENTS OF OCCUPATIONAL HEALTH AND SAFETY REGULATIONS AND ALL OTHER REGULATIONS PERTAINING TO HEALTH AND SAFETY, INCLUDING WORKER'S COMPENSATION/INSURANCE BOARD REGULATIONS AND ALL OTHER PROTECTION REGULATIONS.
 3. ASBESTOS, MOULD, LEAD PAINT, PCBs, OR OTHER HAZARDOUS MATERIAL: IF AT ANY TIME DURING THE COURSE OF THE WORK ASBESTOS CONTAINING MATERIALS, BLACK MOULD, LEAD PAINT, OR ANY OTHER SUCH MATERIALS ARE OBSERVED OR SUSPECTED, IMMEDIATELY REPORT THE DISCOVERY TO THE CONTRACTOR AND CEASE ALL WORK IN THE AREA IN QUESTION. DO NOT RESUME WORK IN AFFECTED AREAS UNTIL THE MATERIAL IS PROPERLY IDENTIFIED AS NON-HAZARDOUS OR THE SITUATION HAS BEEN PROPERLY CORRECTED WITH WRITTEN APPROVAL FROM THE OWNER.
6. CLOSETOUT SUBMITTALS:
 1. OPERATION AND MAINTENANCE MANUALS:
 1. FORWARD TO THE CONTRACTOR "MAINTENANCE AND INSTRUCTION MANUALS" WITHIN FOUR (4) WEEKS OF SUBSTANTIAL COMPLETION OF THE PROJECT.
 2. PROVIDE ALL CLOSETOUT SUBMITTALS IN A DIGITAL FORMAT, ORGANIZE ALL INDIVIDUAL ELECTRICAL DOCUMENTS IN DIRECTORIES SIMILAR TO THE TABS IN A BINDER AND FILENAMES IN PLAIN ENGLISH DESCRIBING OF THE CONTENTS WITHIN EACH FILE. PROVIDE ALL DOCUMENTS IN UNSECURED PDF FORMAT WITH SEARCHABLE TEXT. PROVIDE ALL AUDIO AND VIDEO CONTENT ENCODED IN A FORMAT THAT CAN BE VIEWED USING STANDARD CODECS FREELY AVAILABLE ON THE MOST CURRENT VERSION OF MICROSOFT WINDOWS OPERATING SYSTEM.
 2. EACH MANUAL WILL CONTAIN, BUT NOT BE RESTRICTED TO, THE FOLLOWING INFORMATION:
 1. ELECTRICAL INSTALLATION DETAILS, CONSTRUCTION AND PERFORMANCE DATA
 2. ELECTRICAL AUTHORITY FINAL INSPECTION CERTIFICATE
 3. FIRE ALARM VERIFICATION CERTIFICATE AND TEST REPORT
 4. LIGHTING CERTIFICATE
 5. ANY OTHER CERTIFICATES, APPROVAL LETTERS, ETC.
7. WARRANTY DOCUMENTS:
 1. PROVIDE TO THE CONSULTANT, ALL SPECIFIED WARRANTIES, EXTENDED WARRANTIES, AND FREE MANUFACTURER'S WARRANTY FOR THE ENTIRETY OF THE WARRANTY PERIOD(S).
 2. THE WARRANTY PERIOD(S) COMMENCES ON THE DATE OF SUBSTANTIAL PERFORMANCE OF THE WORK AND SHALL BE VALID FOR THE FULL DURATION SPECIFIED.
 3. SUBMIT WARRANTIES TO THE CONSULTANT PRIOR TO FINAL PAYMENT CERTIFICATE.
8. RECORD DOCUMENTS:
 1. AS-BUILT DRAWINGS:
 1. DURING THE PROGRESS OF THE WORK THE ELECTRICAL DIVISION WILL ALWAYS KEEP ON THE SITE A COMPLETE SET OF THE FINAL AS-BUILT DRAWINGS AND WILL NOTE THEREON CLEARLY, NEATLY, ACCURATELY AND PROMPTLY ALL ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL CHANGES, REVISIONS AND ADDITIONS TO THE WORK AND DEVIATIONS FROM THE CONTRACT DOCUMENTS.
 2. INCLUDE AS-BUILT DRAWINGS, LOCATION, DEPTH, SIZE, CONTENT, AND TYPE OF ALL BELOW GRADE PATHWAYS IN THESE AS-BUILT DRAWINGS.
 3. INDICATE ALSO ON THE AS-BUILT DRAWINGS THE LOCATION OF ACCESS PANELS OR REMOVABLE COVER EQUIPMENT OR JUNCTION BOXES WHICH MAY REQUIRE FUTURE ACCESS OR WHERE CONDUIT OR WIRING FOR FUTURE USE IS LOCATED.
 4. PREPARE THE FINAL AS-BUILT DRAWINGS BY A QUALIFIED DRAFTSPERSON IN AUTOCAD AT THE CONTRACTOR'S EXPENSE AS AN ELECTRONIC COPY AND ONE HARD COPY TO BE SUBMITTED TO THE CONSULTANT AT THE COMPLETION OF THE PROJECT WITH AN APPLICATION FOR A CERTIFICATE OF TOTAL PERFORMANCE.
 5. SUBMIT AS-BUILT DRAWINGS IN ELECTRONIC FORMAT. ALL DOCUMENTS WILL BE IN BOTH AUTOCAD AND UNSECURED PDF FORMAT.
7. QUALITY ASSURANCE
 1. REGULATORY REQUIREMENTS:
 1. ALL WORK CARRIED OUT UNDER THIS CONTRACT WILL COMPLY WITH, BUT NOT BE LIMITED TO THE REQUIREMENTS OF THE LATEST EDITION OF THE FOLLOWING CODES, LATEST REGULATIONS:
 1. ONTARIO ELECTRICAL SAFETY CODE COMPLETE WITH BULLETINS AND AMENDMENTS.
 2. ONTARIO BUILDING CODE COMPLETE WITH SUPPLEMENTAL BULLETINS AND ITS REFERENCED STANDARDS.
 3. APPLICABLE STANDARDS FROM CSA, I.L.C. AND FROM OTHER STANDARDS ORGANIZATIONS INDICATED HEREIN.
 4. ALL APPLICABLE FEDERAL, PROVINCIAL, MUNICIPAL AND INDUSTRY STANDARDS AND REGULATIONS.
 2. ALL ELECTRICAL ITEMS ARE TO BE CERTIFIED AND BEAR THE STAMP OR SEAL OF A RECOGNIZED TESTING AGENCY SUCH AS CSA, I.L.C., ETL, OR BEAR A STAMP TO INDICATE SPECIAL ELECTRICAL AUTHORITY APPROVAL.
 3. REQUIREMENTS OF THE CONTRACT DOCUMENTS ARE TO TAKE PRECEDENCE WHEN THEY ARE MORE STRINGENT THAN CODES, ORDINANCES, STANDARDS, AND STATUTES.
 2. QUALIFICATIONS:
 1. INSTALLER'S:
 1. INSTALLER/APPLICATOR/ERECTOR TO HAVE A MINIMUM OF 5 YEARS' CONTINUOUS CANADIAN EXPERIENCE SUCCESSFULLY COMPLETING PROJECTS SIMILAR IN SIZE AND COMPLEXITY AS THE WORK OF THIS DIVISION. SUBMIT PROOF OF EXPERIENCE UPON CONSULTANT'S REQUEST.
 2. PROVIDE ALL WORK FOR DIVISION 26 ELECTRICAL BY QUALIFIED JOURNEYMAN ELECTRICIANS OR APPRENTICES, HOLDING VALID PROVINCIAL CERTIFICATES OF QUALIFICATION, AND BE SUPERVISED BY A COMPETENT FOREMAN.
 3. THE WORK OF THE ELECTRICAL DIVISION WILL BE REFLECTED IN THE QUALITY OF INSTALLATIONS - ANY UNSATISFACTORY INSTALLATIONS WILL BE REMOVED AND REPLACED ACCORDINGLY.
 4. PROVIDE TEMPORARY CHANGES OR ALTERATIONS TO THE INSTALLATIONS OF THIS PROJECT REQUIRED BY AN AUTHORIZED INSPECTOR OF AN AUTHORITY HAVING JURISDICTION IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF CONTRACT.
 3. CERTIFICATIONS:
 1. OBTAIN ALL PERMITS AND CERTIFICATES BEARING UPON THIS TRADE AND PAY ALL FEES AND CHARGES FOR SAME.
8. PROJECT CONDITIONS:
 1. EXISTING CONDITIONS:
 1. VISIT THE SITE OF THE BUILDING AND EXAMINE THE EXISTING CONDITIONS IN RELATION TO THE WORK TO BE DONE. THE ELECTRICAL DIVISION TO BE RESPONSIBLE TO ALLOW FOR ANY REQUIREMENTS WHICH COULD HAVE BEEN REVEALED DURING SUCH EXAMINATIONS.
 2. PREPARE A COMPLETE SET OF INTERFERENCE DRAWINGS IN CO-ORDINATION WITH OTHER SECTIONS FOR ALL TYPICAL OR CRITICAL LOCATIONS TO INDICATE SITE INSTALLATION CONDITIONS WHERE SPACE IS LIMITED. USE FIELD MEASUREMENTS TO INDICATE ACCURATE DIMENSIONS AND CONFIGURATIONS OF ALL ELECTRICAL SERVICES IN RELATION TO STRUCTURAL AND ARCHITECTURAL CONDITIONS AS WELL AS MECHANICAL SERVICES. COORDINATION WITH OTHER SECTIONS IN THE PREPARATION OF DRAWINGS AND LAYOUT OF THE RELATED WORK IS IMPERATIVE. SUBMIT THESE INTERFERENCE DRAWINGS TO THE CONTRACTOR FOR REVIEW PRIOR TO PROCEEDING WITH ANY RELATED WORK, ACCORDING TO NORMAL SHOP DRAWINGS PROCEDURE.
9. WARRANTY
 1. ALL MATERIALS AND INSTALLATIONS OF THE ELECTRICAL DIVISION WILL BE GUARANTEED FOR A PERIOD OF ONE YEAR (OR AS SPECIFIED IN THE OWNER REQUIREMENTS, WHICHEVER IS LONGER) FROM THE DATE OF FINAL ACCEPTANCE OF THE ELECTRICAL DIVISION WILL BE REFLECTED IN THE QUALITY OF THE MANUFACTURER'S WARRANTIES.
2. EXECUTION
 1. EXAMINATION:
 1. VERIFICATION OF CONDITIONS:
 1. EXAMINE ALL WORK OF OTHER SECTIONS UPON WHICH THE WORK OF EACH SECTION DEPENDS.
 2. DO NOT PROCEED WITH INSTALLATION UNTIL ALL WET WORK SUCH AS CONCRETE AND PAINTING HAS BEEN COMPLETE AND DRY THROUGHOUT.
 3. REPORT IN WRITING TO THE CONSULTANT/PROJECT MANAGER ANY DEFECTS OF SURFACES OR WORK PREPARED BY OTHER SECTIONS WHICH AFFECT THE QUALITY OR DIMENSIONS OF THE WORK OF EACH SECTION.
 4. DO NOT PROCEED WITH WORK OF EACH SECTION UNTIL ALL UNSATISFACTORY CONDITIONS HAVE BEEN RECTIFIED AND SITE CONDITIONS ARE READY TO RECEIVE WORK.
 5. COMMENCEMENT OF WORK IMPLIES ACCEPTANCE OF EXISTING CONDITIONS AND WORK BY OTHER SECTIONS.
 2. PROTECTION OF IN-PLACE CONDITIONS:
 1. PROVIDE TEMPORARY PROTECTION OF ADJACENT AREAS AND SURFACES BY MEANS OF MASKING (ENCLOSURES) WHERE NECESSARY TO PREVENT CONTAMINATION BY WORK OF EACH SECTION.
 2. INSTALLATION OF EQUIPMENT:
 1. UNLESS OTHERWISE SPECIFIED ALL EQUIPMENT IS TO BE INSTALLED IN ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS, AND REQUIREMENTS OF GOVERNING CODES, STANDARDS, AND REGULATIONS. GOVERNING CODES, STANDARDS, AND REGULATIONS TAKE PRECEDENCE OVER MANUFACTURER'S INSTRUCTIONS.
 2. ENSURE THAT PROPER ACCESS AND SERVICE CLEARANCES ARE MAINTAINED AROUND EQUIPMENT, AND, WHERE APPLICABLE, ACCESS SPACE FOR FUTURE EQUIPMENT REMOVAL OR REPLACEMENT IS NOT IMPDED. REMOVE AND REPLACE ANY EQUIPMENT WHICH DOES NOT MEET THIS REQUIREMENT.

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2. SCAFFOLDING, RIGGING, AND HOISTING:
 1. UNLESS OTHERWISE SPECIFIED, DIRECTED, SUPPLY, ERCT AND OPERATE ALL SCAFFOLDING, RIGGING, HOISTING EQUIPMENT AND ASSOCIATED HARDWARE REQUIRED FOR YOUR WORK. IMMEDIATELY REMOVE FROM THE SITE ALL SCAFFOLDING, RIGGING, AND HOISTING EQUIPMENT WHEN NO LONGER REQUIRED.
4. CONTRACT DRAWINGS:
 1. THE DRAWINGS OF THIS DIVISION ARE PERFORMANCE DRAWINGS AND INDICATE GENERAL ARRANGEMENT OF THE WORK. THEY ARE DIAGRAMMATIC EXCEPT WHERE SPECIFIC DETAILS ARE GIVEN.
 2. OBTAIN ACCURATE DIMENSIONS FROM THE ARCHITECTURAL AND STRUCTURAL DRAWINGS, OR BY MEASUREMENT. LOCATION AND ELEVATION OF SERVICES ARE APPROXIMATE. VERIFY THEM BEFORE CONSTRUCTION IS UNDERTAKEN.
 3. MAKE CHANGES WHERE REQUIRED TO ACCOMMODATE STRUCTURAL CONDITIONS, BEAMS, COLUMNS, ETC. OBTAIN CONSULTANT'S APPROVAL BEFORE PROCEEDING.
 4. ADJUST THE LOCATION OF MATERIALS AND/OR EQUIPMENT AS DIRECTED WITHOUT ADJUSTMENT TO CONTRACT PRICE. PROVIDED THAT THE CHANGES ARE REQUESTED BEFORE INSTALLATION AND DO NOT AFFECT MATERIAL QUANTITY. **NOTE THAT EQUIPMENT, DEVICES WHICH MAY BE RELOCATED UP TO 10 FEET (3 M) IN ANY DIRECTION WITHOUT A CHANGE TO THE CONTRACT PRICE.**
 5. NOTE THAT THE LAYOUT AND ORIENTATION OF THE ELECTRICAL EQUIPMENT/DEVICES ON THE ARCHITECTURAL REFLECTED CEILING DRAWINGS MAY DIFFER FROM THAT SHOWN ON THE DRAWINGS. MAKE THE INSTALLATION IN ACCORDANCE WITH THE LATEST ARCHITECTURAL CEILING DRAWINGS. PROVIDE THE EQUIPMENT AS SPECIFIED AND/OR SHOWN ON THE DOCUMENTS OF THIS DIVISION.
 6. THE DRAWINGS OF THIS DIVISION ARE INTENDED FOR TENDER PRICING. THE QUANTITIES AND QUALITY TO BE INCLUDED IN THE BID PRICE SHALL BE BASED ON THE LAYOUT AND SPECIFICATIONS AS SHOWN ON THE DOCUMENTS. IF THERE IS A DIFFERENCE IN QUANTITY BETWEEN THE ARCHITECTURAL AND DRAWINGS OF THIS DIVISION, BASE THE CONTRACT PRICE ON THE GREATER QUANTITY.
 7. PREPARE INSTALLATION (CONSTRUCTION) DRAWING TO REFLECT THE LATEST ARCHITECTURAL CEILING LAYOUT.
5. SITE QUALITY CONTROL
 1. SITE TESTS AND INSPECTIONS:
 1. CONDUCT FIELD INSPECTION AND TESTING AS SPECIFIED IN DIVISION 01
 2. NON-COMFORMING WORK:
 1. DEFECTIVE MATERIALS OR QUALITY OF WORK, WHENEVER FOUND, AT ANY TIME PRIOR TO ACCEPTANCE OF THE WORK, SHALL BE REJECTED REGARDLESS OF PREVIOUS INSPECTION. INSPECTION WILL NOT RELIEVE RESPONSIBILITY BUT IS A PRECAUTION AGAINST OVERSIGHT OR ERRORS.
 2. REPLACE DAMAGED WORK WHICH CANNOT BE SATISFACTORILY REPAIRED, RESTORED OR CLEANED, TO THE SATISFACTION OF THE CONSULTANT AT NO ADDITIONAL COST TO THE OWNER.
 3. MANUFACTURER SERVICES:
 1. WHEN EQUIPMENT/SYSTEM INSTALLATION IS COMPLETE, BUT PRIOR TO START-UP PROCEDURES, ARRANGE AND PAY FOR THE EQUIPMENT/SYSTEM MANUFACTURER'S AUTHORIZED REPRESENTATIVE TO VISIT THE SITE TO EXAMINE THE INSTALLATION, AND WHEN ANY REQUIRED CORRECTIVE MEASURES HAVE BEEN MADE, TO THE CONSULTANT THE EQUIPMENT/SYSTEM INSTALLATION IS COMPLETE AND IN ACCORDANCE WITH THE EQUIPMENT/SYSTEM MANUFACTURER'S INSTRUCTIONS.
- SYSTEM STARTUP
 1. PREFORM ALL TESTING IN ACCORDANCE WITH SECTION 26 05 03 - ELECTRICAL WORK TESTING.
 2. CONDUCT ACCEPTANCE TESTS TO DEMONSTRATE THAT THE EQUIPMENT AND SYSTEMS MEET THE SPECIFIED REQUIREMENTS. CONDUCT TESTS AS SOON AS CONDITIONS PERMIT. MAKE ALL CHANGES, ADJUSTMENTS OR REPLACEMENTS REQUIRED AS THE PRELIMINARY TESTS MAY INDICATE.
 3. OPERATE ALL THE EQUIPMENT UNDER NORMAL CONDITIONS FOR A MINIMUM PERIOD OF FIVE DAYS AS A START-UP TEST. DEFECTS DISCLOSED MUST BE REPAIRED AND TESTS REPEATED UNTIL PRONOUNCED SATISFACTORY.
 4. CONDUCT FINAL ACCEPTANCE TESTS IN THE PRESENCE OF THE CONTRACTOR, INVITE CONSULTANT AND OWNER TO ATTEND WITH A MINIMUM OF ONE WEEK'S NOTIFICATION.
 5. PROVIDE THE SERVICES OF ONE JOURNEYMAN ELECTRICIAN AND ALL LADDERS, TOOLS, CONSUMABLES, AND ASSOCIATED EQUIPMENT TO ASSIST THE CONTRACTOR IN CARRYING OUT THE TEST.
1. ADJUSTING
 1. ADJUST MOVING OR OPERATING PARTS TO OPERATE/FUNCTION SMOOTHLY AND PROPERLY.
2. CLEANING:
 1. WASTE MANAGEMENT:
 1. STORE AND DISPOSE OF PACKAGING MATERIALS AND CONSTRUCTION WASTE.
 2. REMOVE ALL EXCESS MATERIALS FROM SITE AS WORK PROGRESSES AND AT COMPLETION.
 3. ON COMPLETION OF THE WORK REMOVE ALL TOOLS, CONTAINERS, SURPLUS MATERIALS, EQUIPMENT, WASTE, ETC., AND LEAVE SITE NEAT, CLEAN, AND TIDY TO THE SATISFACTION OF THE OWNER.
 4. CLEAN AND MAKE GOOD SURFACES SOILED OR OTHERWISE DAMAGED BECAUSE OF WORK OF EACH SECTION AT NO ADDITIONAL COST TO THE OWNER.
 5. LEAVE SURFACES CLEAN AND READY FOR SUBSEQUENT WORK.
3. CLOSETOUT ACTIVITIES
 1. EQUIPMENT AND SYSTEM COMMISSIONING:
 1. AFTER SUCCESSFUL START-UP AND PRIOR TO SUBSTANTIAL PERFORMANCE, COMMISSION THE ELECTRICAL WORK IN ACCORDANCE WITH REQUIREMENTS OF CSA Z320, BUILDING COMMISSIONING. USE COMMISSIONING SHEETS INCLUDED WITH THE CSA STANDARD, AND ANY SUPPLEMENTAL COMMISSIONING SHEETS REQUIRED. SUBMIT FINAL COMMISSIONING DATA SHEETS, PROJECT CLOSETOUT DOCUMENTS, AND OTHER REQUIRED SUBMITTALS.
4. PROTECTION
 1. PROTECT INSTALLED MATERIALS TO PREVENT DAMAGE BY OTHER TRADES FOR THE DURATION OF THE CONSTRUCTION PERIOD. USE MATERIALS THAT MAY BE EASILY REMOVED WITHOUT LEAVING RESIDUE OR PERMANENT STAINS.



STRUCTURAL MECHANICAL ELECTRICAL CIVIL ENGINEERS

15 Foundry Street, Dundas, ON, (91) 276
Phone: (905)48-0373 www.mantecopartners.com

ALL DRAWINGS, SPECIFICATIONS, RELATED DOCUMENTS AND DESIGN SHALL BE THE PROPERTY OF MANTECON PARTNERS. THE ARCHITECT OF THE DRAWINGS, SPECIFICATIONS, RELATED DOCUMENTS AND DESIGN SHALL NOT BE USED FOR CONSTRUCTION PURPOSES WITHOUT THE ARCHITECT'S WRITTEN PERMISSION. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNLESS COUNTERSIGNED.

| No. | ISSUED/REVISED | DATE |
|-----|------------------------------|----------|
| 2 | ISSUED FOR ADDENDUM 1 | 02/24/26 |
| 1 | ISSUED FOR TENDER DEMOLITION | 02/13/26 |

| No. | ISSUED/REVISED |
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DEMOLITION AND REVISION WORK**26 05 05****1. GENERAL**

- 1. INSTRUCTIONS**
 1. COMPLY WITH THE GENERAL CONDITIONS OF THE CONTRACT, THE SUPPLEMENTARY CONDITIONS AND THE GENERAL REQUIREMENTS OF DIVISION 01 AND SECTION 26 05 00 COMMON WORK RESULTS FOR ELECTRICAL.
- 2. SUMMARY**
 1. THIS SECTION SPECIFIES REQUIREMENTS, CRITERIA, METHODS AND EXECUTION FOR ELECTRICAL DEMOLITION WORK THAT ARE COMMON TO ONE OR MORE ELECTRICAL WORK SECTIONS, AND IT IS INTENDED AS A SUPPLEMENT TO EACH SECTION AND IS TO BE READ ACCORDINGLY.
- 3. REFERENCES**
 1. REFERENCE STANDARDS: VERSIONS OF THE FOLLOWING STANDARDS CURRENT AS OF THE DATE OF ISSUE OF THE PROJECT APPLY TO THE WORK OF THIS SECTION, WHERE REGULATORY REQUIREMENTS USE OLDER VERSION OF A STANDARD, COMPLY WITH THE VERSION YEAR ADOPTED BY THE AUTHORITY HAVING JURISDICTION
 1. CANADIAN STANDARDS ASSOCIATION (CSA):
 1. CSA S350 CODE OF PRACTICE FOR SAFETY IN DEMOLITION OF STRUCTURES
- 4. CLOSEOUT SUBMITTALS**
 1. SUBMIT DOCUMENTATION TO CONFIRM THAT ALL PCB MATERIAL AND/OR EQUIPMENT CONTAINING PCB MATERIAL HAS BEEN PROPERLY REMOVED AND DISPOSED OF AS APPLICABLE.
 2. TEST AND EVALUATION REPORTS:
 1. SUBMIT DOCUMENTATION TO CONFIRM THAT ALL PCB MATERIAL AND/OR EQUIPMENT CONTAINING PCB MATERIAL HAS BEEN PROPERLY REMOVED AND DISPOSED OF AS APPLICABLE.

1. PRODUCTS

- 1. NOT APPLICABLE**

1. EXECUTION

- 1. EXAMINATION**
 1. VERIFICATION OF CONDITIONS:
 1. EXAMINE ALL WORK OF OTHER SECTIONS UPON WHICH THE WORK OF THIS SECTION DEPENDS.
 2. IF HAZARDOUS MATERIALS AND/OR WASTE NOT LISTED IN THE SPECIFICATION IS FOUND, STOP THE ASSOCIATED WORK AND NOTIFY THE OWNER AND CONSULTANT IMMEDIATELY AND AWAIT DIRECTIONS.
 3. REPORT IN WRITING TO THE CONSULTANT/PROJECT MANAGER ANY DEFECTS OF SURFACES OR WORK PREPARED BY OTHER SECTIONS WHICH AFFECT THE QUALITY OR DIMENSIONS OF THE WORK OF THIS SECTION.
 4. DO NOT PROCEED WITH WORK OF THIS SECTION UNTIL ALL UNSATISFACTORY CONDITIONS HAVE BEEN RECTIFIED AND SITE CONDITIONS ARE READY TO RECEIVE WORK.
 5. COMMENCEMENT OF WORK IMPLIES ACCEPTANCE OF EXISTING CONDITIONS AND WORK BY OTHERS.
- 2. PREPARATION**
 1. PROTECTION OF IN-PLACE CONDITIONS:
 1. PROVIDE TEMPORARY PROTECTION OF ADJACENT AREAS AND SURFACES BY MEANS OF MASKING (ENCLOSURES) WHERE NECESSARY TO PREVENT CONTAMINATION BY WORK OF THIS SECTION.
 2. DISCONNECTION AND REMOVAL OF EXISTING ELECTRICAL WORK
 1. WHERE INDICATED ON THE DRAWINGS, DISCONNECT AND REMOVE EXISTING ELECTRICAL WORK, INCLUDING HANGERS, SUPPORTS, ETC. DISCONNECT AT THE POINT OF SUPPLY, REMOVE OBSOLETE CONNECTING SERVICES AND MAKE THE SYSTEM SAFE, CUT BACK OBSOLETE CONDUIT BEHIND FINISHES AND CAP UNLESS OTHERWISE SPECIFIED.
 2. THE SCOPE AND EXTENT OF THE DEMOLITION OR REVISION WORK IS ONLY GENERALLY INDICATED ON THE DRAWINGS, ESTIMATE THE SCOPE, EXTENT AND COST OF THE WORK AT THE SITE DURING THE BIDDING PERIOD SCHEDULED SITE VISIT(S).
 3. WHERE DEEMED NECESSARY BY THE OWNER AND CONSULTANT, EXISTING SHAFTS, WALLS, AND INACCESSIBLE CEILINGS WILL BE OPENED BY THE OWNER TO PERMIT SITE VISIT INSPECTION OF SERVICES TO BE REMOVED/REVISED AS PART OF THE WORK BUT USUALLY CONCEALED BEHIND SUCH CONSTRUCTION.
 4. CLAIMS FOR EXTRA COSTS FOR DEMOLITION WORK NOT SHOWN OR SPECIFIED BUT CLEARLY VISIBLE OR ASCERTAINABLE AT THE SITE DURING BIDDING PERIOD SITE VISITS WILL NOT BE ALLOWED.
 5. IF ANY RE-DESIGN IS REQUIRED DUE TO DISCREPANCIES BETWEEN THE ELECTRICAL DRAWINGS AND SITE CONDITIONS, NOTIFY THE CONSULTANT WHO WILL ISSUE A SITE INSTRUCTION. IF, IN THE OPINION OF THE CONSULTANT, DISCREPANCIES BETWEEN THE ELECTRICAL DRAWINGS AND ACTUAL SITE CONDITIONS ARE OF A MINOR NATURE, THE REQUIRED MODIFICATIONS ARE TO BE DONE AT NO ADDITIONAL COST.
 6. WHERE EXISTING ELECTRICAL SERVICES EXTEND THROUGH, OR ARE IN AN AREA TO SERVE ITEMS WHICH ARE TO REMAIN, MAINTAIN THE SERVICES IN OPERATION, INCLUDE FOR REROUTING EXISTING SERVICES CONCEALED BEHIND EXISTING FINISHES AND WHICH BECOME EXPOSED DURING THE RENOVATION WORK, SO AS TO BE CONCEALED BEHIND NEW OR EXISTING FINISHES.
 7. UNDER NO CIRCUMSTANCES SHALL BARE OR UNPROTECTED CONDUCTORS BE LEFT EXPOSED IN ANY AREA OF REMOVAL OR RE-WORK. IF TEMPORARY FEEDS ARE NECESSARY, THEY SHALL MEET ESA CODE REGULATIONS AND BE PROTECTED FROM CONTACT AND TRAFFIC DURING THE PERIOD OF TRANSITION OR TIME LEFT FOR RE-WORKING.
 8. UNLESS OTHERWISE SPECIFIED, REMOVE FROM THE SITE AND DISPOSE OF ALL EXISTING MATERIALS WHICH HAVE BEEN REMOVED AND ARE NOT TO BE RELOCATED OR REUSED, EXCEPT FOR THE FOLLOWING WHICH ARE TO BE HANDED OVER TO THE OWNER AT THE SITE:
 1. IT & COMMUNICATIONS EQUIPMENT AND DEVICES
 2. ACCESS CONTROL EQUIPMENT AND DEVICES
 3. VIDEO SURVEILLANCE EQUIPMENT AND DEVICES
 4. AUDIO/VISUAL EQUIPMENT AND DEVICES
 3. INTERRUPTION TO AND SHUT-DOWN OF ELECTRICAL SERVICES AND SYSTEMS
 1. CO-ORDINATE ALL SHUT-DOWN AND INTERRUPTION TO EXISTING ELECTRICAL SYSTEMS WITH THE OWNER. GENERALLY, SHUT-DOWNS MAY BE PERFORMED ONLY BETWEEN THE HOURS OF 12:00 MIDNIGHT FRIDAY UNTIL 6:00 A.M. MONDAY MORNING.
 2. UPON AWARD OF CONTRACT, SUBMIT A LIST OF ANTICIPATED SHUT-DOWN TIMES AND THEIR MAXIMUM DURATION.
 3. PRIOR TO EACH SHUT-DOWN OR INTERRUPTION, INFORM THE OWNER IN WRITING SEVENTY-TWO HOURS IN ADVANCE OF THE PROPOSED SHUT-DOWN OR INTERRUPTION AND OBTAIN WRITTEN APPROVAL TO PROCEED, DO NOT SHUT-DOWN OR INTERRUPT ANY SYSTEM OR SERVICE WITHOUT SUCH WRITTEN APPROVAL.
 4. PERFORM WORK ASSOCIATED WITH SHUT-DOWNS AND INTERRUPTIONS AS CONTINUOUS OPERATIONS TO MINIMIZE THE SHUT-DOWN TIME AND TO REINSTATE THE SYSTEMS AS SOON AS POSSIBLE. AND, PRIOR TO ANY SHUT-DOWN, ENSURE THAT ALL MATERIALS AND LABOUR REQUIRED TO COMPLETE THE WORK FOR WHICH THE SHUT-DOWN IS REQUIRED ARE AVAILABLE AT THE SITE.
 - 3. CLEANING**
 1. COMPLETE CLEANING OF THIS SECTION IN ACCORDANCE WITH SECTION 26 05 00 COMMON WORK RESULTS FOR ELECTRICAL.
 - 4. PROTECTION**
 1. PROTECT INSTALLED MATERIALS TO PREVENT DAMAGE BY OTHER TRADES FOR THE DURATION OF THE CONSTRUCTION PERIOD. USE MATERIALS THAT MAY BE EASILY REMOVED WITHOUT LEAVING RESIDUE OR PERMANENT STAINS.

END OF SECTION

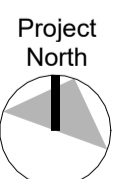
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| 2 | ISSUED FOR ADDENDUM 1 | 02/24/26 |
| 1 | ISSUED FOR TENDER DEMOLITION | 02/13/26 |

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ELECTRICAL SPECIFICATIONS (SHEET 2 OF 2)



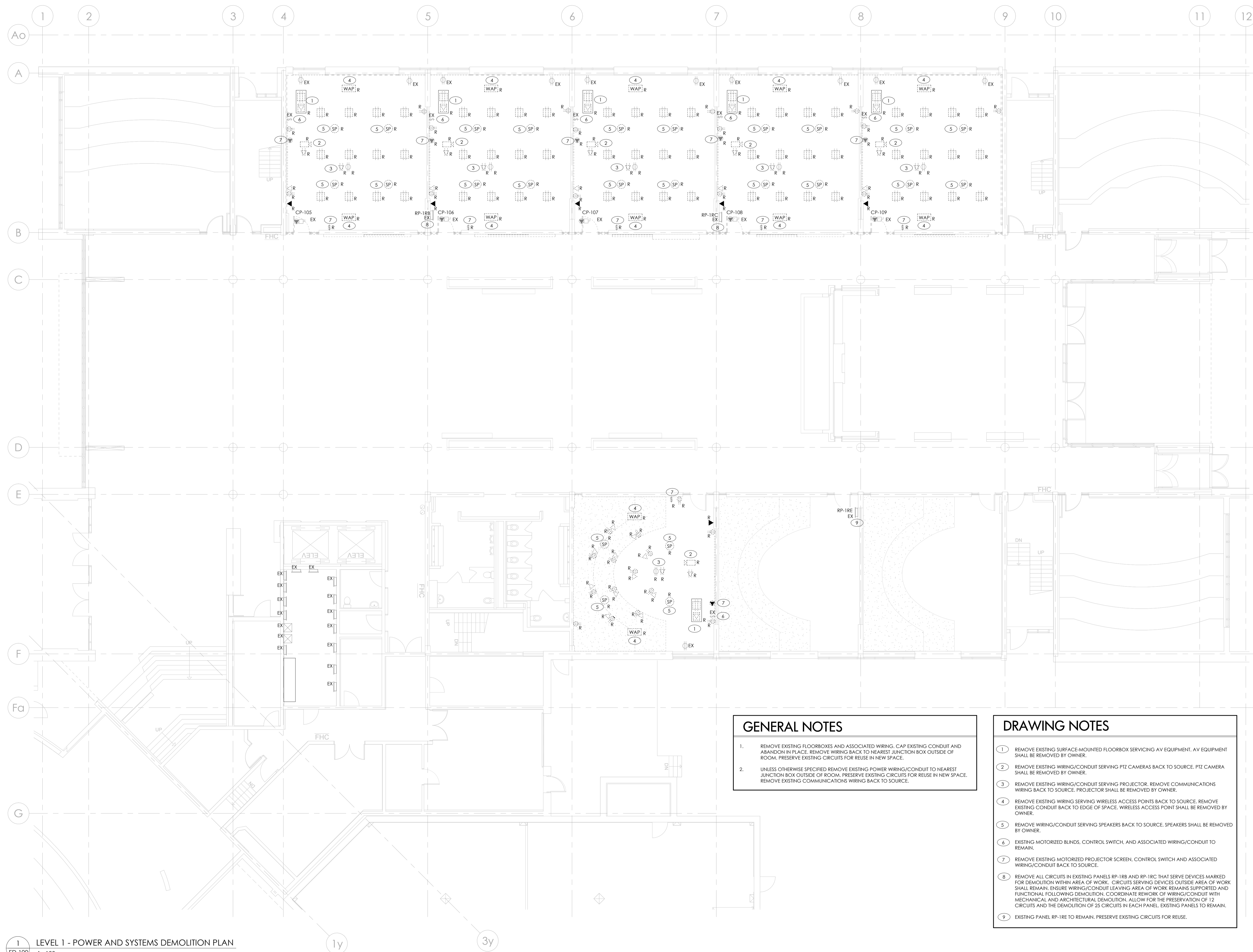
Scale: 1 : 1

Project Number: 25-120

Drawn By: P.O.

Checked By: N.A.

ED-002



GENERAL NOTES

- REMOVE EXISTING FLOORBOXES AND ASSOCIATED WIRING. CAP EXISTING CONDUIT AND ABANDON IN PLACE. REMOVE WIRING BACK TO NEAREST JUNCTION BOX OUTSIDE OF ROOM. PRESERVE EXISTING CIRCUITS FOR REUSE IN NEW SPACE.
- UNLESS OTHERWISE SPECIFIED REMOVE EXISTING POWER WIRING/CONDUIT TO NEAREST JUNCTION BOX OUTSIDE OF ROOM. PRESERVE EXISTING CIRCUITS FOR REUSE IN NEW SPACE. REMOVE EXISTING COMMUNICATIONS WIRING BACK TO SOURCE.

DRAWING NOTES

- REMOVE EXISTING SURFACE-MOUNTED FLOORBOX SERVICING AV EQUIPMENT. AV EQUIPMENT SHALL BE REMOVED BY OWNER.
- REMOVE EXISTING WIRING/CONDUIT SERVING PTZ CAMERAS BACK TO SOURCE. PTZ CAMERA SHALL BE REMOVED BY OWNER.
- REMOVE EXISTING WIRING/CONDUIT SERVING PROJECTOR. REMOVE COMMUNICATIONS WIRING BACK TO SOURCE. PROJECTOR SHALL BE REMOVED BY OWNER.
- REMOVE EXISTING WIRING SERVING WIRELESS ACCESS POINTS BACK TO SOURCE. REMOVE EXISTING CONDUIT BACK TO EDGE OF SPACE. WIRELESS ACCESS POINT SHALL BE REMOVED BY OWNER.
- REMOVE WIRING/CONDUIT SERVING SPEAKERS BACK TO SOURCE. SPEAKERS SHALL BE REMOVED BY OWNER.
- EXISTING MOTORIZED BLINDS, CONTROL SWITCH, AND ASSOCIATED WIRING/CONDUIT TO REMAIN.
- REMOVE EXISTING MOTORIZED PROJECTOR SCREEN, CONTROL SWITCH AND ASSOCIATED WIRING/CONDUIT BACK TO SOURCE.
- REMOVE ALL CIRCUITS IN EXISTING PANELS RP-18B AND RP-18C THAT SERVE DEVICES MARKED FOR DEMOLITION WITHIN AREA OF WORK. CIRCUITS SERVING DEVICES OUTSIDE AREA OF WORK SHALL REMAIN. ENSURE WIRING/CONDUIT LEAVING AREA OF WORK REMAINS SUPPORTED AND FUNCTIONAL FOLLOWING DEMOLITION. COORDINATE REWORK OF WIRING/CONDUIT WITH MECHANICAL AND ARCHITECTURAL DEMOLITION. ALLOW FOR THE PRESERVATION OF 12 CIRCUITS AND THE DEMOLITION OF 25 CIRCUITS IN EACH PANEL. EXISTING PANELS TO REMAIN.
- EXISTING PANEL RP-18E TO REMAIN. PRESERVE EXISTING CIRCUITS FOR REUSE.

1 ED-100 LEVEL 1 - POWER AND SYSTEMS DEMOLITION PLAN
1 : 100

| 4 | ISSUED FOR ADDENDUM 1 | 02/24/26 |
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| 3 | ISSUED FOR TENDER | 02/13/26 |
| 2 | ISSUED FOR PROGRESS REVIEW | 02/09/26 |
| 1 | ISSUED FOR DD SIGN OFF | 01/23/26 |
| No. | ISSUED/REVISED | DATE |

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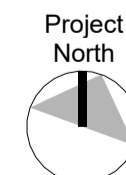
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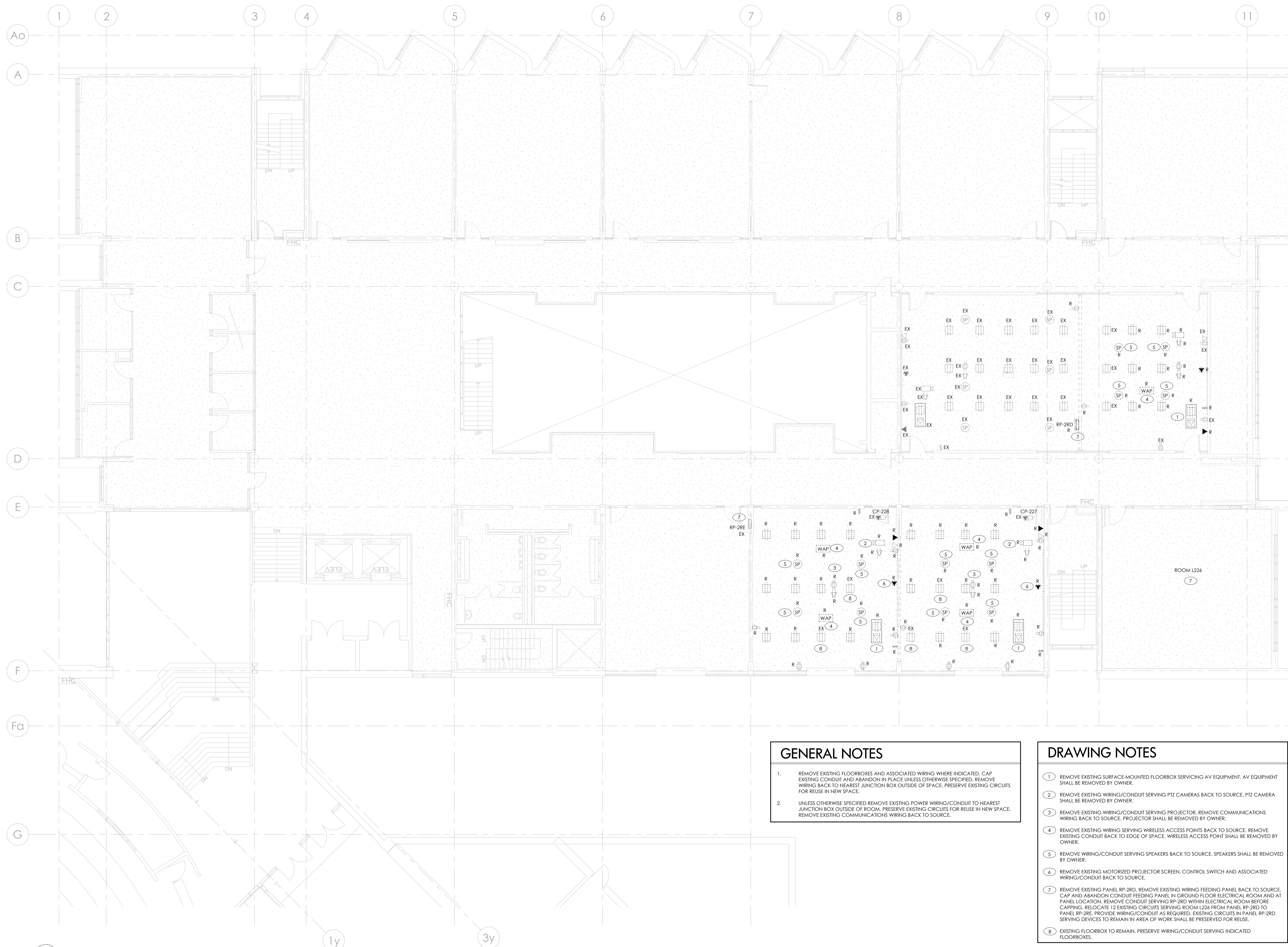
Scale: 1 : 100

Project Number: 25-120

Drawn By: P.O.

Checked By: N.A.





GENERAL NOTES

- REMOVE EXISTING FLOORBOXES AND ASSOCIATED WIRING WHERE INDICATED. CAP EXISTING CONDUIT AND ABANDON IN PLACE UNLESS OTHERWISE SPECIFIED. REMOVE WIRING BACK TO NEAREST JUNCTION BOX OUTSIDE OF SPACE. PRESERVE EXISTING CIRCUITS FOR REUSE IN NEW SPACE.
- UNLESS OTHERWISE SPECIFIED REMOVE EXISTING POWER WIRING/CONDUIT TO NEAREST JUNCTION BOX OUTSIDE OF ROOM. PRESERVE EXISTING CIRCUITS FOR REUSE IN NEW SPACE. REMOVE EXISTING COMMUNICATIONS WIRING BACK TO SOURCE.

DRAWING NOTES

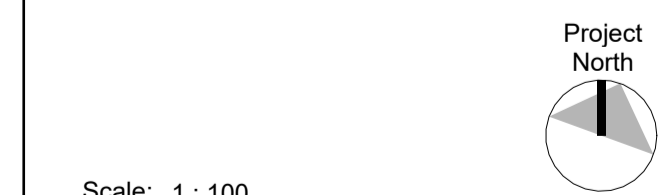
- REMOVE EXISTING SURFACE-MOUNTED FLOORBOX SERVICING AV EQUIPMENT. AV EQUIPMENT SHALL BE REMOVED BY OWNER.
- REMOVE EXISTING WIRING/CONDUIT SERVING PTZ CAMERAS BACK TO SOURCE. PTZ CAMERA SHALL BE REMOVED BY OWNER.
- REMOVE EXISTING WIRING/CONDUIT SERVING PROJECTOR. REMOVE COMMUNICATIONS WIRING BACK TO SOURCE. PROJECTOR SHALL BE REMOVED BY OWNER.
- REMOVE EXISTING WIRING SERVING WIRELESS ACCESS POINTS BACK TO SOURCE. REMOVE EXISTING CONDUIT BACK TO EDGE OF SPACE. WIRELESS ACCESS POINT SHALL BE REMOVED BY OWNER.
- REMOVE WIRING/CONDUIT SERVING SPEAKERS BACK TO SOURCE. SPEAKERS SHALL BE REMOVED BY OWNER.
- REMOVE EXISTING MOTORIZED PROJECTOR SCREEN. CONTROL SWITCH AND ASSOCIATED WIRING/CONDUIT BACK TO SOURCE.
- REMOVE EXISTING PANEL RP-2RD. REMOVE EXISTING WIRING FEEDING PANEL BACK TO SOURCE. CAP AND ABANDON CONDUIT FEEDING PANEL IN GROUND FLOOR ELECTRICAL ROOM AND AT PANEL LOCATION. REMOVE CONDUIT SERVING RP-2RD WITHIN ELECTRICAL ROOM BEFORE CAPPING. RELOCATE 12 EXISTING CIRCUITS SERVING ROOM L226 FROM PANEL RP-2RD TO PANEL RP-2RE. PROVIDE WIRING/CONDUIT AS REQUIRED. EXISTING CIRCUITS IN PANEL RP-2RD SERVING DEVICES TO REMAIN IN AREA OF WORK SHALL BE PRESERVED FOR REUSE.
- EXISTING FLOORBOX TO REMAIN. PRESERVE WIRING/CONDUIT SERVING INDICATED FLOORBOXES.

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| 3 | ISSUED FOR TENDER DEMOLITION | 02/13/26 |
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LEVEL 2 - POWER AND SYSTEMS DEMOLITION PLAN



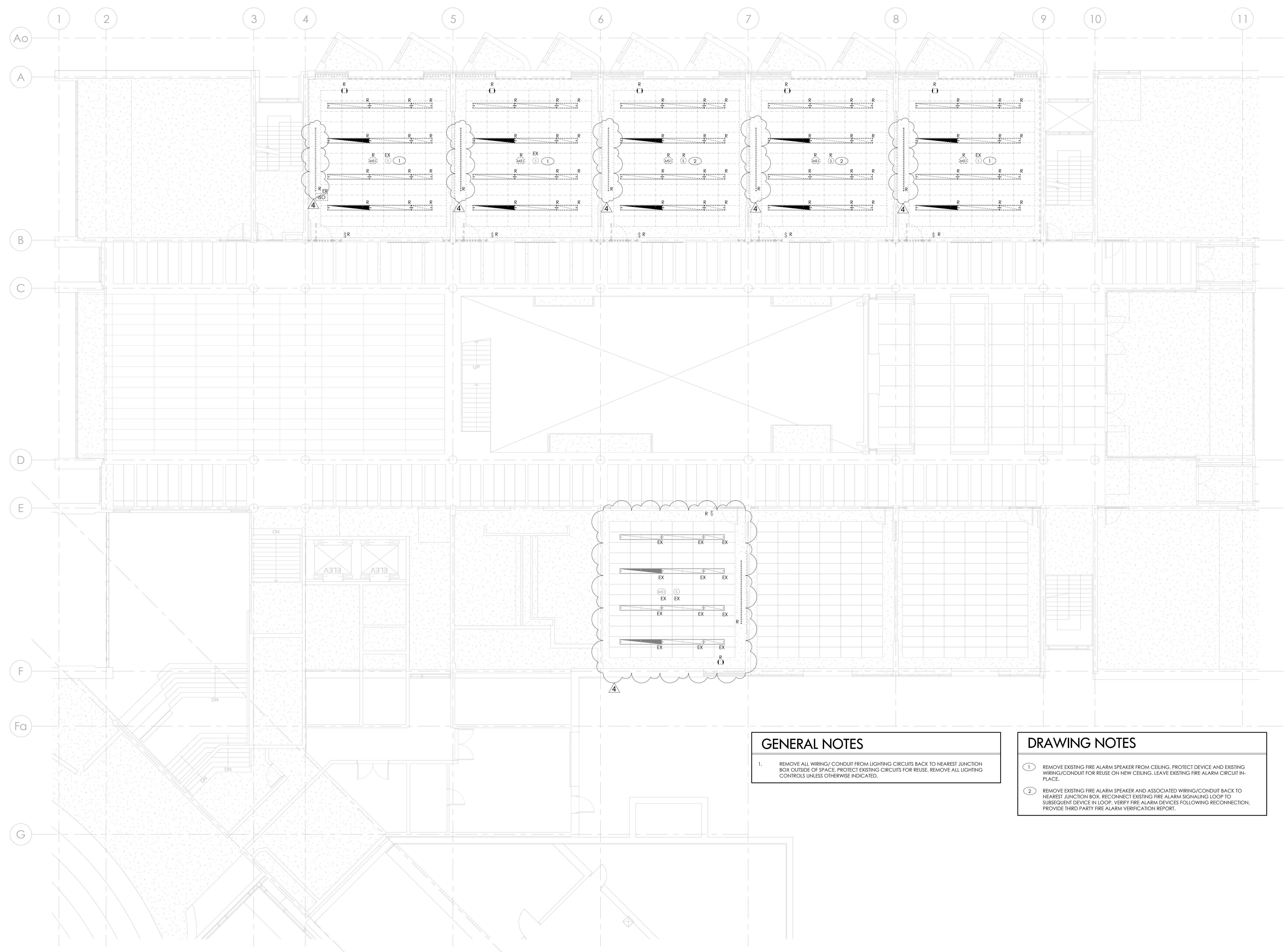
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Project Number: 25-120

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GENERAL NOTES

- REMOVE ALL WIRING/ CONDUIT FROM LIGHTING CIRCUITS BACK TO NEAREST JUNCTION BOX OUTSIDE OF SPACE. PROTECT EXISTING CIRCUITS FOR REUSE. REMOVE ALL LIGHTING CONTROLS UNLESS OTHERWISE INDICATED.

DRAWING NOTES

- REMOVE EXISTING FIRE ALARM SPEAKER FROM CEILING. PROTECT DEVICE AND EXISTING WIRING/CONDUIT FOR REUSE ON NEW CEILING. LEAVE EXISTING FIRE ALARM CIRCUIT IN-PLACE.
- REMOVE EXISTING FIRE ALARM SPEAKER AND ASSOCIATED WIRING/CONDUIT BACK TO NEAREST JUNCTION BOX. RECONNECT EXISTING FIRE ALARM SIGNALING LOOP TO SUBSEQUENT DEVICE IN LOOP. VERIFY FIRE ALARM DEVICES FOLLOWING RECONNECTION. PROVIDE THIRD PARTY FIRE ALARM VERIFICATION REPORT.

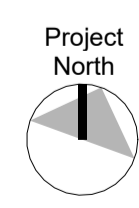
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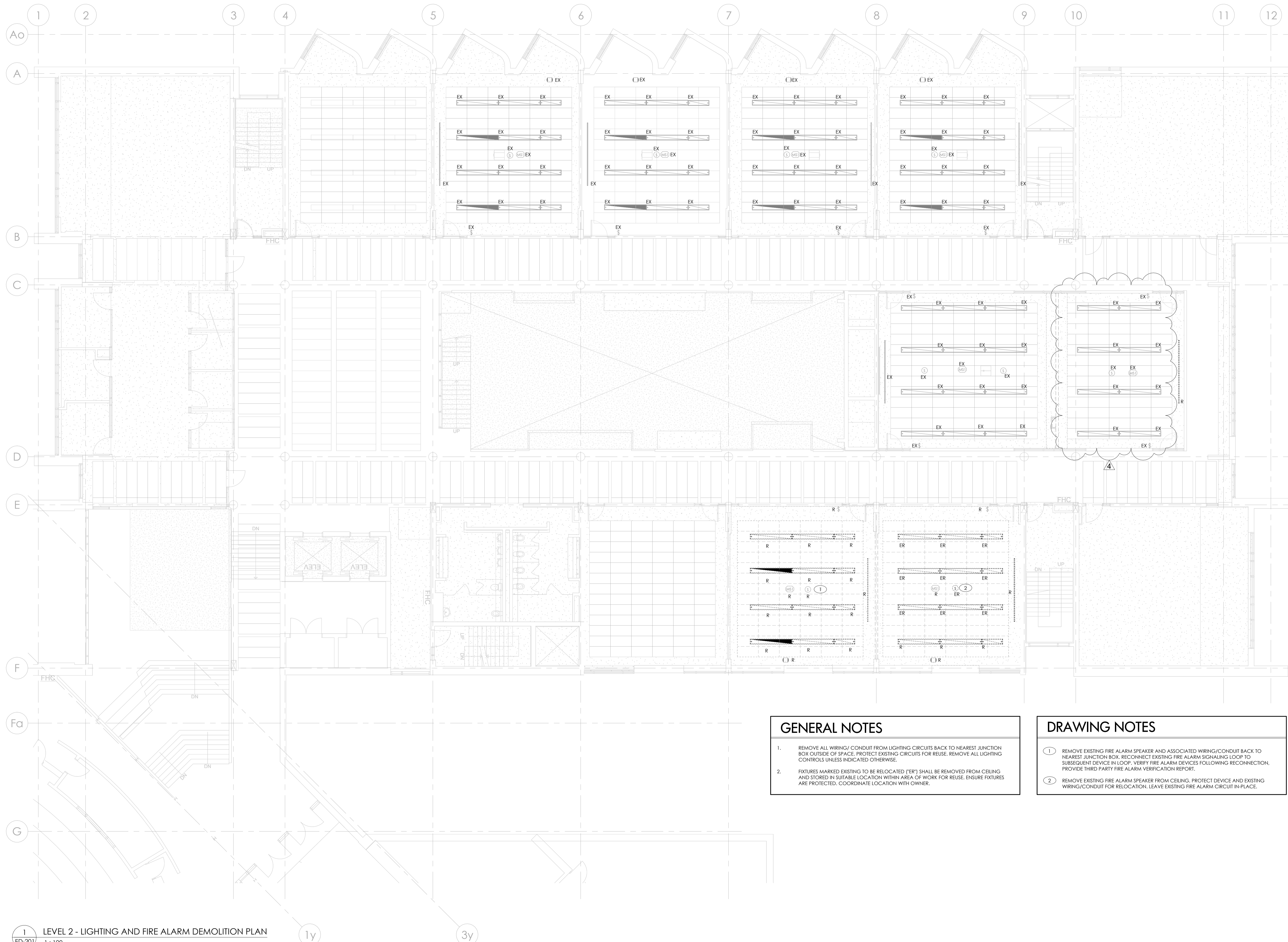
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LEVEL 1 - LIGHTING AND FIRE ALARM PLAN



Scale: 1 : 100
 Project Number: 25-120
 Drawn By: P.O.
 Checked By: N.A.



GENERAL NOTES

- REMOVE ALL WIRING / CONDUIT FROM LIGHTING CIRCUITS BACK TO NEAREST JUNCTION BOX OUTSIDE OF SPACE. PROTECT EXISTING CIRCUITS FOR REUSE. REMOVE ALL LIGHTING CONTROLS UNLESS INDICATED OTHERWISE.
- FIXTURES MARKED EXISTING TO BE RELOCATED (ER) SHALL BE REMOVED FROM CEILING AND STORED IN SUITABLE LOCATION WITHIN AREA OF WORK FOR REUSE. ENSURE FIXTURES ARE PROTECTED. COORDINATE LOCATION WITH OWNER.

DRAWING NOTES

- REMOVE EXISTING FIRE ALARM SPEAKER AND ASSOCIATED WIRING/CONDUIT BACK TO NEAREST JUNCTION BOX. RECONNECT EXISTING FIRE ALARM SIGNALING LOOP TO SUBSEQUENT DEVICE IN LOOP. VERIFY FIRE ALARM DEVICES FOLLOWING RECONNECTION. PROVIDE THIRD PARTY FIRE ALARM VERIFICATION REPORT.
- REMOVE EXISTING FIRE ALARM SPEAKER FROM CEILING. PROTECT DEVICE AND EXISTING WIRING/CONDUIT FOR RELOCATION. LEAVE EXISTING FIRE ALARM CIRCUIT IN-PLACE.

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LEVEL 2 - LIGHTING AND FIRE ALARM PLAN



Scale: 1 : 100

Project Number: 25-120

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