



REQUEST FOR QUOTATION

REC-2026-07

For the Replacement of One (1) Dehumidifier in the Rink Area
at the Lou Jeffries Arena

Jeff Johnston
Manager of Parks, Recreation & Facilities
613-382-2149 Ext 1127
recmanager@gananoque.ca

NOTES TO RESPONDENT:

PROPOSAL:	REC-2026-07
RFQ FOR:	For the Replacement of One (1) Dehumidifier in the Rink Area at the Lou Jeffries Arena
DEADLINE FOR SUBMISSIONS:	June 11, 2026 at 11:00 AM EST
SUBMISSIONS OPENED:	June 11, 2026 following closing
DEADLINE FOR INQUIRIES:	June 2, 2026 at 4:00 PM EST
REGISTRATION AND SUBMISSION:	Proposals are available through Biddingo at www.biddingo.com .
ADDENDA:	Addendums will be available through Biddingo at www.biddingo.com should there be any
PRE-SUBMISSION MEETNG:	A site visit (Tour of the Lou Jeffries Arena, 600 King Street East, Gananoque) is mandatory on May 27, 2026 at 11:00 A.M. All questions asked at the site visit/meeting must be put in writing and submitted to the Town and the response from the Town will be sent to all Proponents as an Addendum no later than 4:00 PM on June 4, 2026.
LATE SUBMISSIONS:	Proposals received after the RFP deadline will not be accepted. Proposals not submitted as prescribed, will not be accepted.
CONTACT FOR RFP:	The Town Contact is Robert Kennedy. All questions regarding this RFP must be submitted in writing and by email to Robert Kennedy, Superintendent of Parks and Facilities facilities@gananoque.ca . The deadline to submit questions is June 2, 2026 by 4:00 P.M.

I. GENERAL

The Town of Gananoque, otherwise referred to as “The Town”, is seeking quotations from qualified HVAC contractors to provide the removal, disposal, procurement and installation of a dehumidifier in the rink area of the Lou Jeffries, located at 600 King Street East, Gananoque Ontario as per the stamped engineered drawings attached herein.

Interested Respondents must submit their Quotation online using www.Biddingo.com no later than the submission deadline.

Interested and qualified firms or individuals are invited to develop and submit a Quotation, setting out their qualifications, experience and price to achieve the Town's goals. The Town will consider entering into a contract for the most acceptable Proposal, which will be determined having regard to the evaluation factors set out in this RFQ.

The RFQ will adhere to the dates as identified in the Notes To Respondent, unless The Town elects to alter the dates, in which event, the proponents shall be notified of the change.

The Terms and Conditions set out in this RFQ shall apply to all submissions. Proposal submissions indicate the proponent's acceptance of all the Terms that follow, and which are included in any Addenda issued by The Town. Provisions in the Proposals which contradict any Terms of this RFQ will be treated as if not written and do not exist.

II. PRE-SUBMISSION TOUR/SITE MEETING

If there is a mandatory pre-submission tour/site meeting, it will be described in the Notes To Respondent. Although The Town will not be obligated to accommodate any additional requests for a tour/meeting, The Town reserves the right to schedule an additional meeting if extenuating circumstances apply. The Town shall do so at its sole discretion based on the circumstances.

III. QUESTIONS CONCERNING REQUEST FOR QUOTATION (RFQ)

1. All questions/inquiries must be submitted in writing. All written inquiries shall be submitted to the RFQ Contact, as outlined in the Notes To Respondent.
2. Should any respondent have questions concerning the proposed project, find discrepancies or omissions in the solicitation document or otherwise require clarification, such matters must be submitted, in writing, to the RFQ Contact named in the Notes to Respondent at least five (5) business days prior to the proposal deadline in order to provide sufficient time to respond.
3. No interpretation or clarification of the meaning of any part of this RFQ will be made orally to any respondent.

4. Copies of all questions and answers, and any Addenda to supplement the Proposal, will be available through www.Biddingo.com no later than four (4) business days prior to the RFQ deadline. Only formal written responses to properly submitted questions will be binding on The Town. All questions must be submitted with the email subject line: **Question(s) REC-2026-07**. Any such clarifications or addenda shall become part of this Proposal. All addendums must be confirmed and signed off that they were read. The Town reserves the right to extend the deadline for questions if required.
5. All inquiries and other communications throughout the RFQ period are to be directed **ONLY** to the municipal contact named in the Notes To Respondent. Proponents must not attempt to communicate directly or indirectly with any employee, contractor, elected official or other representative of The Town, including the Evaluation Team. Non-compliance with this condition during the RFQ period may (for that reason alone) result in disqualification of a Proposal.

IV. PREPARATION AND SUBMISSION OF PROPOSALS

1. Proponents shall prepare a Quotation addressing all the requirements of this RFQ. The Quotation must include: Form of a Revocable Offer, completed and signed, and the Proposal Submission Forms, completed and signed, as set out in this RFQ. The Proponent's signature indicates acceptance of the Scope of Services and Terms and Conditions as set out herein.
2. It is essential that all elements contained in each submission be stated in a clear and concise manner. Failure to provide complete information as requested will be to the Bidder's disadvantage.
3. Proposals will be evaluated in accordance with the mandatory requirements as detailed in IX Evaluation. Proponents are instructed to address each requirement in sufficient depth to permit a complete requisite analysis and assessment by the Evaluation Team. Only proposals found to meet the mandatory requirements will be further evaluated in accordance with the evaluation criteria subject to point rating as detailed herein.
4. The Proposal must be received prior to the RFQ Closing Date and Time as set out in the Notes to Respondent.
5. Submissions received will be held in strict confidence until after the closing date and time.
6. Submissions will be accepted via Biddingo at www.biddingo.com. Hard copies will not be accepted.
7. The Proposal must be in English.
8. The Proposal must contain a lump sum fixed price for all services to be provided and must be included in the Proposal Submission Forms as required.

9. The Proponent must attend an interview with The Town, if requested.

Validity of Proposal:

All Proposals must remain open for acceptance for a period of not less than one hundred and twenty (120) days after the closing date of the RFQ. After the RFQ closing date, no amendments to the Proposal will be accepted. However, during the evaluation, The Town may require clarification from, or conduct interviews with Proponents.

V. REVIEW

1. The Town of Gananoque reserves the right to select contractors based on project proposal, pricing, experience, reputation, risk management and schedule.
2. Review and Evaluation of Quotations will be performed by an Evaluation Team which may include Council members and Staff of The Town.
3. The acceptance and award of a Proposal is subject to the approval of Council.
4. Upon selection of the finalist, The Town may, if necessary, begin scope clarifications, draft contract revisions and final price negotiations in order to comply with the budget set out for this activity. Should the negotiations fail to result in an executed contract with the preferred respondent, The Town may, at its sole discretion, elect to terminate negotiations with the preferred respondent and begin negotiations with the second most preferred respondent (and so on) or cancel the procurement process in its entirety.
5. Prior to commencing any work, the successful respondent will be required to enter into a contract with The Town. Price adjustments to reflect process and/or scope modifications may be negotiated after selection by The Town.
6. The lowest Bid may not necessarily be accepted.
7. The Corporation of the Town of Gananoque reserves the right to cancel this RFP at any time for any reason, prior to an official contract/agreement being signed.

VI. TERMS AND CONDITIONS

The following Terms and Conditions are deemed to be accepted by all firms or individuals submitting a Quotation in response to this RFQ, and are deemed incorporated into every contract resulting from this RFQ:

1. Proponents are solely responsible for their own expenses in preparing a Proposal and for subsequent interviews and negotiations with The Town, if any. If The Town elects to reject any or all Proposals, The Town will not be

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liable to any proponent for any claims, whether for costs or damages incurred by the proponent in preparing the Proposal, loss of anticipated profit in connection with any final contract, or any other matter whatsoever.

2. The Proponent, by submitting a Quotation, agrees that it will not claim damages, for whatever reason, relating to the contract or in respect to the competitive process. The proponent, by submitting a Quotation, waives any claim for loss of profits if no contract is made with the proponent.
3. Each Proponent is deemed to expressly declare and warrant in the Quotation that:
 - a. The prices in this Quotation have been arrived at independently from those of any other proponent.
 - b. The prices in this Quotation have not been knowingly disclosed by the proponent, and will not knowingly be disclosed prior to award, directly or indirectly, to any other proponent or competitor.
 - c. No attempt has been made, nor will be made, to influence any other firm or individual to submit or not to submit a Bid for the purpose of restricting competition.
 - d. This Proposal is in all respects fair and without collusion or fraud.
 - e. The proponent is competent to perform the work as described in this RFQ, and has the necessary qualifications, knowledge, skill and experience to perform the work.
4. This RFQ shall not be construed as an agreement to purchase goods or services. The Town is not bound to enter into a contract with the Bidder who submits the lowest-priced proposal, or with any Bidder. Proposals will be assessed in light of the evaluation criteria. The Town will be under no obligation to receive further information, whether written or oral, from any Bidder.
5. Neither acceptance of a Bid, nor execution of a contract will constitute approval of any activity or development contemplated in any Proposal which requires any approval, permit or license pursuant to any federal or provincial law, or municipal bylaw.
6. Notice, in writing, to a Proponent that it has been identified as the successful proponent, and the subsequent full execution of a written contract will constitute a contract for the goods or services, and no proponent will acquire any legal or equitable rights or privileges relative to the goods or services until the occurrence of both events.
7. By submitting a Proposal, the Bidder agrees that should their Proposal be successful, they will enter into a contract with The Town that includes, at a minimum and without limitation, the clauses set out in the Terms Of Conditions of this RFQ.
8. While The Town has used considerable efforts to ensure information in this RFQ is accurate, the information contained in this RFQ is supplied solely as

a guideline for proponents. The information is not guaranteed or warranted to be accurate by The Town, nor is it necessarily comprehensive or exhaustive. Nothing in this RFQ is intended to relieve proponents from forming their own opinions and conclusions, with respect to the matters addressed in this RFQ.

9. Proponents are solely responsible for familiarizing themselves, and ensuring that they comply, with the laws applicable to the collection and dissemination of information, including resumes and other personal information concerning employees and employees of any subcontractors. If this RFQ requires Bidders to provide The Town with personal information of employees, Bidders shall ensure they have obtained consent from the employees before forwarding such information to The Town. By submitting a proposal, the Bidder consents to the use and collection of all personal information contained in the Proposal and specifically acknowledges and agrees that such information may be made public by The Town, without additional consent from the Bidder.
10. The successful Proponent shall be required to provide Commercial General Liability Insurance, in an amount no less than \$5,000,000. WSIB coverage shall be provided as required. Errors and omissions insurance shall also be required in a form and amount satisfactory to The Town. The Town shall be named as an additional insured on all policies of insurance and the successful Bidder shall provide proof of insurance as required.
11. The Proponent agrees to abide by all laws, rules, regulations, by-laws, legal requirements and codes covering the class or character of the work to be executed including but not limited to Workers Compensation, Employment Insurance, Fair Wage Program, as applicable and to pay all costs in connection with same. The Proponent is required to obtain all applicable permits associated with the works.
12. Persons employed on the work must be fully qualified to perform the work required. The Proponent will comply with the provisions of the Ontario Contractors Hours and Wages Act, the Construction Lien Act (1999), Employment Standards Act and the Ontario Health and Safety Act. The Proponent shall comply with Ontario Regulation 644/88 – Workplace Hazardous Information System (WHMIS) wherever and whenever controlled products are used within the scope and duration of this agreement. Proponents working on the Town property in any capacity are responsible that their employees work in strict accordance with the Occupational Health and Safety Act and all its pertaining regulations. Failure to comply with the Act and regulations made under the Act will be deemed to be failure to comply with the terms of the agreement. The Town may, without further authorization or authority, take all or part of the work out of the Proponent's hands as described in the general Conditions.
13. If, in the absolute discretion of the Town, the Proponent is not performing work in a suitable manner and in accordance with the terms of this Agreement, or where the Proponent becomes bankrupt or insolvent, delays

commencing or diligently executing the work, abandons the work or has otherwise failed to perform any of the provisions of the agreement, the Town may, without previous notice and without process or suit of law, take the work out of the hands of the Proponent within 20 days written notice and have it completed by whatever means are considered necessary. In addition to any other remedy available in law or equity, the Town may use all monies due on the agreement to complete the work.

14. The Proponent shall provide adequate protection, to the satisfaction of Town representatives to ensure property, work and any other areas are secure from damages, theft or vandalism and that there are adequate public safety measures in place at work sites.

VII. PROVISIONS OF THE AGREEMENT

The following contractual Terms shall be included in any contract entered into with the successful Bidder. The final contract negotiated with the successful Bidder shall include, but not be limited to, the Terms set out below:

1. The Contractor will obtain all licenses and permits required to perform the Work, should any be required.
2. The Contractor will comply with all laws applicable to the Work or performance of the Contract.
3. Any Contract resulting from this RFQ will be governed by, and will be construed and interpreted, in accordance with the laws of the Province of Ontario.
4. All disputes arising out of or in connection with the Contract, unless the parties agree otherwise, will be referred to and finally resolved by arbitration pursuant to the Municipal Arbitrations Act.
5. The Contract and the financial obligations of The Town, pursuant to the Contract, are subject to sufficient available funding within the municipal budget to enter into and complete the Contract.
6. Any Contract resulting from this RFQ will require that the Contractor indemnify and save harmless The Town, its employees, elected officials and agents from and against all claims, demands, losses, damages, costs and expenses made against or incurred, suffered or sustained by The Town at any time or times (either before or after the expiration or sooner termination of this Contract) where the same or any are based upon or arise out of or from any action or omission to be done by the Contractor or by any servant, employee, officer, director or sub-contractor of the Contractor pursuant to the Contract excepting always liability arising out of the independent acts of The Town.
7. Any Contract resulting from this RFQ shall require that the Contractor, without limiting its obligations or liabilities, and at its own expense, provide and maintain throughout the Contract term, insurance acceptable to The Town.

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The Contractor will provide The Town with a Certificate of Insurance naming the Town as an additional insured.

8. The Town will be the owner of the intellectual property rights in the design developed through the Contract.
9. For billing purposes, payment will be made on a monthly basis. The Town's terms of payment are net thirty (30) calendar days upon receipt of invoice.
10. All invoices shall detail the following information:
 - a. Invoice Number
 - b. Date
 - c. Name of Town contact for services performed
 - d. Location of services
 - e. Description of services performed
 - f. Breakdown of materials, equipment used and unit costs
 - g. Signed daily worksheet/report (if applicable)

VIII. DESCRIPTION OF PROCUREMENT PROCESS

The Town reserves the right to:

1. Supplement, add to, delete from or change this solicitation document;
2. Reject any or all Proposals or information received pursuant to this RFQ;
3. Cancel this RFQ at any time, with or without the substitution of another RFQ;
4. Request additional data or information after the submittal date, if such data or information is considered pertinent to aid the review and selection process;
5. Conduct investigations with respect to the qualifications and experience of each respondent. This includes investigating references that may not be listed in the proposal;
6. Take any action affecting the RFQ or the services or facilities subject to this RFQ that would be in the best interest of The Town;
7. Require one or more respondents to supplement, clarify or provide additional information in order for The Town to evaluate the submitted Proposals;
8. The Town is not bound to accept the lowest price submission.

IX. EVALUATION

The Evaluation process will be based on the following categories for a total of 100 points:

	BEST VALUE EVALUATION CRITERIA	WEIGHTED SCORE
1.	Overall Quality of Project Design and Proposal	30%
2.	Price – Costing Proposal Note: The Town will evaluate total fees based on value	30%
3.	Experience and Reputation	25%
4.	Project Work Plan/Schedule Note: All work must occur between July 6, 2026 and be completed and invoiced by August 12, 2026	10%
5.	Risk Management Plan	5%
	TOTAL	100%

The Bidder with the highest overall Evaluation Score may be identified as the successful Bidder and provided an opportunity to negotiate a contract to perform the work.

X. SITE LOCATION

Town of Gananoque, Lou Jeffries Arena – 600 King Street East, Gananoque.

XI. SCOPE OF SERVICES

HVAC Contracting firms are required to submit a detailed Proposal to complete the main focuses of the Scope of Work, which include but are not limited to:

Scope of Work

- Provide HVAC contracting services for the removal, disposal, procurement and installation of one (1) new dehumidifier as per the engineered stamped drawings as described in Schedule 'A' and as per Federal, Provincial and Municipal regulations.
- The proponent is responsible to verify and measure all specifications.
- The proponent is responsible for all sub-contractors (if applicable).

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- The proponent is responsible for all necessary permits.
- The proponent is responsible to abide by all federal, provincial and municipal laws and their governing bodies to ensure the project meets and if possible, exceed all guidelines and policies that are mandated i.e., Ontario Building and Fire Codes, and ESA.
- The proponent is responsible for repairing any damage incurred to the arena grounds, building, structures and current electrical and HVAC infrastructure and systems.
- The proponent is required to have a good working relationship with Town employees and other contractors and maintain a high level of professionalism and respect for Town property and facilities.
- Provide cost estimates for all projected works for the construction of this project.
- The proponent must execute all services work according to high standards of safety and professional quality work in accordance with the XI – Scope of Services section as well as any directions provided by the Town and its staff.
- The proponent shall provide consultation services and recommend solutions to satisfy all relevant laws and regulations.

The Proposal must include the signed Form of Irrevocable Offer as contained in the RFQ documents. The Proponent's signature indicates acceptance of the terms and conditions set out herein. Ensure that the signatory has authority to commit the organization.

Proposal should be concise and should address, but not necessarily be limited to, the requirements and evaluation criteria set out in this RFQ. Proposals will be evaluated in accordance with the requirements as detailed in Review/Evaluation above. Proponents are instructed to address each requirement in sufficient depth to permit a complete requisite analysis and assessment by the Evaluation Team. Only Proposals found to meet the mandatory requirements will be further evaluated in accordance with the Evaluation Criteria.

The Proposal shall include a fixed lump sum price for undertaking the Scope of Work/Services as described in this RFQ. The fee proposal shall include any sub-consultants and all disbursements. The Proposals shall be all inclusive and must include the deliverables identified, any unforeseeable deliveries for a project of this nature and complexity as described in this RFQ and based on the site visit.

The Proposal should include a history of the firm, including details of comparable projects and previous experience in HVAC contracting and projects. The Proposal must include sufficient detail to allow the Evaluation Team to

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understand your role in the project, the value added by your participation, and all relevant information necessary to assess your qualifications to undertake the Scope of Services.

All work must be completed between July 6, 2026 and August 12, 2026.

Ontarians with Disabilities Act

The Proponent shall acknowledge their awareness of and all measures that will be taken to comply with the *Ontarians with Disabilities Act*.

FORM OF IRREVOCABLE OFFER

I, _____ hereby offer to provide the requirements under Request for Quotation REC-2026-07 to the Corporation of the Town of Gananoque according to the Terms set out in this Proposal as well as in the RFQ, including the requirement for an acceptance by a formal contract acceptable to The Town. I also agree that this irrevocable offer shall be open to acceptance by The Town for a period of one hundred and twenty (120) days from the RFP closing date.

Witness

Signature

Name

Title

Address

City/Province

Telephone

Email

PROPOSAL SUBMISSION

I/We the undersigned have read and understand this Proposal document, and herewith agree to perform the Scope of Work/Services required in accordance with the Proposal document, at the price(s) listed below:

I/We certify that:

1. The party executing this document is an authorized signing authority for the firm.
2. To the best of my/our knowledge and belief the information provided in our Proposal submission is correct.
3. Except as expressly and specifically permitted in the instructions to Proponents, we shall not have any claim for any compensation of any kind whatsoever, as a result of participating in this bid, and by submitting a bid we shall be deemed to have agreed that we have no such claim.
4. To the best of my/our knowledge and belief our Bid submission is made without any connection, comparison of figures or arrangement with or knowledge of any other corporation, firm or person submitting a bid for the same work and is in all respects fair and without collusion or fraud.
5. To the best of my/our knowledge and belief no member of Town Council and no officer or employee of The Town is, will be, or has, become interested, directly or indirectly, as a contracting party, partner, stockholder, surety or otherwise in, or in the performance of the Contract, or in the supplies, work, or business to which it relates, or in any portion of the profits thereof, or in any of the money to be derived therefrom.
6. The Bid submission will remain open for acceptance for a period of one hundred and twenty (120) calendar days after opening of the bids and The Town may at any time within this period accept the Bid.

Name: _____ (Please print)

Signature: _____

Firm: _____

REFERENCES EXPERIENCE OF SIMILAR WORK

Indicate experience of HVAC contracting and projects provided within the last five (5) years similar to the scope of work identified in this RFQ. Provide at minimum three references of similar work completed. Quotations shall describe each similar project, outlining information pertaining to the scope of work and similarities to the proposed work. (Please use the sheet below or other preferred presentation method)

Contact information for a representative of the company/individual of each reference should be included and will include the representative's name, phone number and email address.

Note: If the Town is unable to obtain timely reference information from an identified company/individual, the reference will be considered unresponsive.

Project Description: (Include company that hired you, Date completed, Scope of project)	Contact Name & Address:	Contact Reference Phone/Email:

Pursuant to Section 29(1(a) of the Municipal Freedom of Information Act,

I _____, authorize the Corporation of the Town of Gananoque to contact any person(s)/companies for the purpose of obtaining reference information.

PROPOSAL BID

DESCRIPTION	NOTES	TOTAL COSTS
Removal, Disposal, Procurement and Installation of one (1) dehumidifier as per engineered stamped drawings attached herein in accordance with the Building Code and ESA and all other applicable government regulations.		\$
	Sub-Total	\$
	HST (13%)	\$
	TOTAL COSTS	\$

<p>COMMENCEMENT AND COMPLETION</p> <p>Date of Commencement Upon Award: _____</p> <p>Date of Completion: _____</p>	
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<p>SIGNED AND SUBMITTED FOR AND ON BEHALF OF:</p> <p>The undersigned hereby acknowledges and agrees that the RFP has been read and fully understood.</p>	
Business Name (please print)	Telephone:
Street Address (please print)	Cell:
City/Town and Postal Code	Email:
Title of Authorizing Representative:	Print Name:
Date:	Signature:
<p>Your completion of this Form confirms acceptance of the Town of Gananoque Terms and Conditions. Proponents who impose restrictions on a Bid using a qualifying statement may risk having their bid rejected.</p>	

PROPOSAL CHECK LIST

The check boxes are included as a helping tool for your convenience to ensure the submission is complete.

<p>PROPONENT/ORGANIZATION PROFILE: The Proposal should include: the proponent/organization name/address/contact information and all other information that the proponent deems to be important to include in their submission.</p>		<input type="checkbox"/>
<p>EXPERIENCE OF SIMILAR WORK: The Proposal should include a history of the firm, as well as relevant experience of similar work and references.</p>		<input type="checkbox"/>
<p>PROPOSAL SUBMISSION: Read and fully understand the Proposal document. Sign the Form of Irrevocable Offer and Proposal Submission Form.</p>		<input type="checkbox"/>
<p>REFERENCES: Pursuant to Section 29(1(a) of the <i>Municipal Freedom of Information Act</i>, I _____, authorize the Corporation of the Town of Gananoque to contact any person(s)/companies for the purpose of obtaining reference information.</p>		<input type="checkbox"/>
<p>SUBCONTRACTORS: Will sub-contractor services be used?</p>	<p>Yes ____ If yes, please attach a list of names and contact numbers to your submission. No _____</p>	<input type="checkbox"/>
<p>PROPOSAL BID: The Proposal shall include a fixed lump sum price for undertaking the Scope of Work described in this RFQ. The fee proposal shall include any sub-consultants and all disbursements. Bid forms must be used and included in all submissions.</p>		<input type="checkbox"/>
<p>ADDENDA: The Contractor is requested to confirm that it has received all addenda by listing the addenda numbers or, if no addenda were issued, "None": Addenda Numbers:</p>		<input type="checkbox"/>

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SCHEDULE 'A'

See engineered stamped drawings following.

1. MECHANICAL GENERAL REQUIREMENTS:

- 1.1. GENERAL:
- 1.1.1. MAKE SITE VISIT(S) AS NECESSARY BEFORE BID CLOSING TO ESTABLISH AND VERIFY ALL EXISTING CONDITIONS. MAKE ALLOWANCE FOR ANY NEW OR EXISTING SERVICE AND EQUIPMENT RELOCATIONS NECESSARY TO COMPLETE THE WORK AND INCLUDE IN THE BID PRICE. EXTRAS WILL NOT BE ALLOWED FOR FAILURE TO PROPERLY EVALUATE EXISTING CONDITIONS.
- 1.1.2. THE DRAWINGS SHOW THE GENERAL INTENT OF THE WORK, NOT THE DETAILS OF INSTALLATION. CO-ORDINATE THE ROUTING AND INSTALLATION OF ALL MECHANICAL SERVICES WITH ALL EXISTING STRUCTURE AND THE WORK OF ALL OTHER TRADES. PROVIDE INSTALLATION DRAWINGS AS REQUIRED.
- 1.1.3. DO NOT SCALE MECHANICAL DRAWINGS. TAKE FIELD DIMENSIONS PRIOR TO ANY INSTALLATION.
- 1.2. DESCRIPTION: PROVIDE WORK IN ACCORDANCE WITH FULL INTENT AND MEANING OF DRAWINGS AND SPECIFICATIONS. THE WORD "PROVIDE" WHERE USED IN THE CONTRACT DOCUMENTS IS TO BE INTERPRETED AS "SUPPLY AND INSTALL" ALONG WITH ALL ASSOCIATED HARDWARE AND CONNECTIONS.
- 1.3. WORKMANSHIP: PROVIDE ALL NEW MATERIALS AND EQUIPMENT WITH THE APPROPRIATE LISTING (I.E. CSA, UL, C.E.T.L., ETC.) ALL WORKMANSHIP BY THIS TRADE SHALL BE FIRST CLASS, CONFORMING TO INDUSTRY STANDARD PRACTICES FOR SAFETY, ACCESSIBILITY, DURABILITY AND NEATNESS FOR ACCEPTANCE BY THE OWNER'S REPRESENTATIVES.
- 1.4. INTERPRETATION: DIVISION OF THE WORK AMONG SUPPLIERS OR VENDORS AND SUBCONTRACTORS IS SOLELY THE CONTRACTOR'S RESPONSIBILITY. NEITHER THE OWNER NOR CONSULTANT ASSUMES ANY RESPONSIBILITY TO ACT AS AN ARBITER TO ESTABLISH SUBCONTRACT TERMS BETWEEN SECTORS OR DISCIPLINES OF WORK.
- 1.5. COORDINATION BETWEEN TRADES: CO-ORDINATE THE WORK OF THIS TRADE WITH ALL OTHER TRADES ON THE JOB SO THAT THE WORK MAY PROGRESS WITHOUT ANY DELAY. SCHEDULE AND PHASE DEMOLITION AND NEW WORK TO REDUCE INTERFERENCE AND DOWNTIME OF EXISTING SYSTEMS. NOTIFY OWNER'S REPRESENTATIVE OF ALL DOWNTIME PRIOR TO PROCEEDING WITH WORK.
- 1.6. DISCREPANCY: IF A DISCREPANCY IS FOUND IN THE SPECIFICATION OR ON THE DRAWINGS, REQUEST CLARIFICATION PRIOR TO THE END OF THE QUESTION PERIOD SO THAT CLARIFICATION CAN BE PROVIDED IN WRITING.
- 1.7. REGULATORY REQUIREMENTS: CONFORM TO GOVERNING MUNICIPAL AND PROVINCIAL CODES, RULES AND REGULATIONS AND/OR AUTHORITIES HAVING JURISDICTION.
- 1.8. CODES AND STANDARDS:
- 1.8.1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE ONTARIO BUILDING CODE AND ANY OTHER LOCAL REGULATIONS HAVING JURISDICTION OVER THE WORK OF THIS TRADE.
- 1.8.2. WHERE A CODE OR STANDARD IS REFERENCED, THE LATEST VERSION OF THE CODE OR STANDARD REFERENCED IN THE APPLICABLE BUILDING CODE IS TO BE APPLIED.
- 1.9. SAFETY: COMPLY WITH ALL PROVINCIAL/FEDERAL AND/OR LOCAL SAFETY REGULATIONS, INCLUDING THE OCCUPATIONAL HEALTH AND SAFETY ACT. IN ADDITION, COMPLY WITH ALL OF THE OWNER'S HEALTH AND SAFETY REQUIREMENTS.
- 1.10. PERMITS AND FEES: OBTAIN ALL PERMITS REQUIRED FOR INSTALLATION OF MECHANICAL TRADES WORK. ARRANGE FOR INSPECTIONS TESTS THEREWITH AND PAY ALL COSTS FOR PERMITS, INSPECTIONS, AND ASSOCIATED FEES. THIS INCLUDES ANY TSSA INSPECTION AND/OR CERTIFICATION. OBTAIN PERMITS IMMEDIATELY AFTER NOTIFICATION OF AWARD OF CONTRACT.
- 1.11. TAXES: ENSURE THAT PROVINCIAL AND/OR FEDERAL TAXES ARE INCLUDED WHERE REQUIRED.
- 1.12. WARRANTY: PROVIDE A WRITTEN WARRANTY FOR ALL MATERIALS, EQUIPMENT AND LABOUR FOR A ONE-YEAR PERIOD TO BEGIN AT THE TIME OF SUBSTANTIAL COMPLETION. COMPLETE ALL WARRANTY REGISTRATION DOCUMENTATION ON BEHALF OF THE BUILDING OWNER. INCLUDE COPIES OF COMPLETED DOCUMENTATION IN OPERATIONS AND MAINTENANCE MANUALS.
- 1.13. CERTIFICATION: PROVIDE MANUFACTURER'S WRITTEN CERTIFICATION OF THE INSTALLATION AND OPERATION OF ALL SYSTEMS AND MAJOR EQUIPMENT.
- 1.14. EXISTING SERVICE: BE RESPONSIBLE FOR DEMOLITION AND REMOVAL OF MECHANICAL EQUIPMENT AND SERVICES DESIGNATED FOR REMOVAL ON DRAWINGS.
- 1.15. SITE PROTECTION AND CLEANLINESS: PROTECT ALL WORK AND MATERIALS, BEFORE AND AFTER ERECTION, FROM WEATHER AND OTHER HAZARDS, AND KEEP IN A CLEAN AND ORDERLY MANNER. AVOID ACCUMULATION OF DEBRIS AS THE WORK PROGRESSES. ON COMPLETION OF THE CONSTRUCTION AND PRIOR TO THE FINAL INSPECTION AND ACCEPTANCE BY THE OWNER, CLEAN UP AND REMOVE FROM THE SITE ALL SCRAP MATERIALS RESULTING FROM THE WORK OF THIS TRADE.
- 1.16. ADJUSTMENT AND OPERATION OF SYSTEMS: WHEN WORK IS COMPLETE, ADJUST ALL EQUIPMENT ITEMS, OF VARIOUS SYSTEMS, FOR PROPER OPERATION WITHIN FRAMEWORK OF DESIGN INTENT, AND OPERATING CHARACTERISTICS AS PUBLISHED BY EQUIPMENT MANUFACTURER.
- 1.17. MISCELLANEOUS STEEL: SUPPLY AND INSTALL MISCELLANEOUS STRUCTURAL SUPPORTS, PLATFORMS, AND BRACES, AS REQUIRED TO HANG OR SUPPORT ALL EQUIPMENT, PIPING, DUCTWORK AND SIMILAR ITEMS.
- 1.18. EQUIPMENT INSTALLATION: INSTALL AND START UP ALL ITEMS OF EQUIPMENT, DEVICES AND SYSTEMS IN ACCORDANCE WITH MOST RECENT MANUFACTURER'S PUBLISHED GUIDELINES AND RECOMMENDATIONS. CONTRACTOR IS RESPONSIBLE FOR ASCERTAINING MANUFACTURER'S INSTALLATION GUIDELINES AND RECOMMENDATIONS. TOUCH-UP ALL SHOP PAINTED EQUIPMENT DAMAGED IN TRANSIT OR DURING INSTALLATION TO MATCH ORIGINAL SHOP FINISH.
- 1.19. SPARE PARTS / TOOLS TO BE FURNISHED:
- 1.19.1. SPARE SET OF FILTERS FOR EACH FILTER BANK.
- 1.19.2. SPARE BELTS FOR ALL EQUIPMENT THAT UTILIZES BELT DRIVES.
- 1.19.3. ALL SPECIALTY TOOLS NECESSARY FOR EQUIPMENT INSTALLED IN THIS PROJECT.
- 1.20. CHANGES IN THE WORK: CHANGES TO THE CONTRACT REQUIRING ADDITIONS TO OR DELETIONS FROM THE WORK OF THIS DIVISION SHALL BE CARRIED OUT UPON WRITTEN REQUEST OF THE CONSULTANT. EXTRAS TO THE CONTRACT OR CREDITS SHALL BE SUBMITTED WITH A COMPLETE COST BREAKDOWN AS FOLLOWS:
- ITEMIZED MATERIAL LIST WITH QUANTITIES AND UNIT COSTS
 - ITEMIZED LABOUR COST BREAKDOWN
 - COPY OF QUOTATIONS FROM ALL SUPPLIERS FOR ALL EQUIPMENT
 - COPY OF QUOTATIONS FROM ALL SUBCONTRACTORS INCLUDING ALL OF THE REQUIREMENTS OF THIS SECTION
 - TOTAL MATERIAL COST
 - TOTAL HOURS
 - HOURLY RATE (REFER TO SUPPLEMENTARY CONDITIONS AND GENERAL CONTRACT)
 - TOTAL OVERHEAD AND PROFIT (REFER TO SUPPLEMENTARY CONDITIONS AND GENERAL CONTRACT)
- 1.21. COMPLETION: PRIOR TO THE FINAL INSPECTION, CLEAN ALL MECHANICAL EQUIPMENT. CLEAN ALL CONSTRUCTION DUST AND DIRT FROM INSTALLED EQUIPMENT AT THE END OF THE JOB. REPAIR ANY DAMAGE BY THE MECHANICAL TRADE TO EXISTING BUILDINGS OR EQUIPMENT, ETC TO THE CONSULTANTS SATISFACTION.
- 1.22. SUBMITTALS:
- 1.22.1. SHOP DRAWINGS:
- 1.22.1.1. SUBMIT SHOP DRAWINGS FOR ALL EQUIPMENT SUPPLIED BY MECHANICAL DIVISION. SUBMIT ELECTRONIC COPIES TO CONSULTANT BY REVIEW.
- 1.22.1.2. SUBMIT UNITS OF MEASURE IN EITHER METRIC OR IMPERIAL THAT MATCH THOSE OF THE DRAWINGS.
- 1.22.1.3. PROVIDE TITLE SHEET INCLUDING PROJECT NAME, SHOP DRAWING NAME (INCLUDING SPECIFICATION CLAUSE REFERENCE).
- 1.22.1.4. EACH SHOP DRAWING MUST BEAR STAMP AND SIGNATURE OF RESPONSIBLE

OFFICIAL IN CONTRACTOR'S AND SUBCONTRACTOR'S ORGANIZATION, FOR EACH SUBMISSION, AS EVIDENCE THAT DRAWING HAS BEEN CHECKED AGAINST REQUIREMENTS AS CALLED FOR IN SPECIFICATIONS AND DRAWINGS.

1.22.2. OPERATION AND MAINTENANCE INSTRUCTION MANUALS:

- 1.22.2.1. PROVIDE PDF COPIES OF COMPLETE OPERATION AND MAINTENANCE INSTRUCTION MANUALS FOR EQUIPMENT FURNISHED UNDER THIS CONTRACT. MANUAL TO BE ORGANIZED WITH BOOKMARKS IN A FORMAT TO MATCH THE SPECIFICATION SECTIONS. ONCE MANUAL IS REVIEWED AND ACCEPTED, PROVIDE PDF VERSION ON ELECTRONIC MEDIA.
- 1.22.2.2. MANUALS SHALL INCLUDE THE FOLLOWING INFORMATION:
 CONTACT INFORMATION OF CONSULTANTS AND CONTRACTORS
 COMPLETE SET OF FINAL PROJECT SHOP DRAWINGS
 OPERATING INSTRUCTIONS, INCLUDING START-UP AND SHUT-DOWN PROCEDURE
 MAINTENANCE INSTRUCTIONS, INCLUDING PREVENTIVE MAINTENANCE INSTRUCTIONS FOR COMPONENTS OF EQUIPMENT
 LIST OF EQUIPMENT WITH AIR FILTERS, INDICATE SIZES, QUANTITIES AND TYPES FOR EACH PIECE OF EQUIPMENT
 COMPLETE PARTS LIST OF ASSEMBLIES AND THEIR COMPONENT PARTS, SHOWING MANUFACTURER'S NAME, CATALOGUE NUMBER, AND NEAREST REPLACEMENT SOURCE
 MANUFACTURER'S WARRANTIES AND GUARANTEES

1.22.3. AS-BUILT DRAWINGS:

- 1.22.3.1. PRINT A FULL SCALE SET OF DRAWINGS FOR THE SITE THAT INCLUDE ALL ADDENDUM REVISIONS. MAINTAIN AN ACCURATE RECORD OF DEVIATIONS AND CHANGES FROM CONTRACT DRAWINGS WITH RED LINE MARKINGS ON SITE AS CONSTRUCTION PROGRESSES. TRANSFER AS-BUILT MARK-UPS TO DIGITAL DRAWING FORMAT AT THE COMPLETION OF THE PROJECT. THIS PROCESS SHOULD BE COMPLETED BEFORE TESTING, BALANCING AND/OR COMMISSIONING. SUBMIT TO THE CONSULTANT WITH THE O&M MANUALS AT COMPLETION OF PROJECT.
- 1.22.3.2. THE AS-BUILT DRAWINGS SHALL HAVE A VALUE OF \$5,000. ONCE AS-BUILT DRAWINGS HAVE BEEN COMPLETED, SUBMITTED AND REVIEWED, PAYMENT WILL BE RELEASED. THIS VALUE IS NOT INCLUDED IN THE AMOUNT REQUIRED BY THE CONSTRUCTION LIEN ACT.

1.23. EQUIPMENT NAMEPLATES: PROVIDE LAMINATED WHITE PHENOLIC PLASTIC NAMEPLATES WITH 10 MM HIGH BLACK LETTERS FOR EQUIPMENT INSTALLED UNDER THIS DIVISION. INCLUDE EQUIPMENT NUMBER AND EQUIPMENT NAME GENERALLY AS LISTED ON DRAWING SCHEDULES. SUBMIT LIST OF NAMEPLATES TO CONSULTANT FOR REVIEW PRIOR TO FABRICATION. IF THE OWNER HAS SPECIFIC STANDARDS, FOLLOW THESE STANDARDS.

1.24. MATERIALS AND EQUIPMENT:

- 1.24.1. EQUALS AND ALTERNATES:
- 1.24.1.1. USE MATERIALS AND EQUIPMENT AS SPECIFIED HEREIN, OR SPECIFIED EQUIVALENT. DESIGN OF MECHANICAL SYSTEMS HAS BEEN BASED ON FIRST LISTED SUPPLIER AND MODEL NUMBER/SIZE STATED IN EQUIPMENT SCHEDULES.
- 1.24.1.2. SOME ITEMS OF EQUIPMENT, ONE OR MORE ADDITIONAL NAMES OF ACCEPTABLE EQUAL MANUFACTURERS MAY BE LISTED. THE DESIGN, LAYOUT, SPACE ALLOCATION, CONNECTION DETAILS, ETC., ARE BASED ON THE PRODUCTS NAMED FIRST IN THE DESCRIPTION AND/OR SCHEDULES. THE GENERAL APPROVAL INDICATED BY LISTING THE NAMES OF OTHER EQUAL MANUFACTURERS IS TO ESTABLISH THE QUALITY OF MANUFACTURE ONLY AND IS SUBJECT TO FINAL REVIEW OF SHOP DRAWINGS, PERFORMANCE DATA, TEST REPORTS BY CONSULTANT.
- 1.24.1.3. SUPPLIERS WISHING TO SUBMIT OTHER ITEMS OF EQUIPMENT FOR APPROVAL AS AN EQUAL TO THOSE SPECIFIED MUST APPLY TO THE CONSULTANT AT LEAST 10 CALENDAR DAYS BEFORE BID CLOSING DATE. REQUESTS MUST BE ACCOMPANIED BY COMPLETE DESCRIPTION AND TECHNICAL DATA ON THE ITEMS PROPOSED. DEVIATIONS FROM THE SPECIFICATIONS MUST BE STATED IN WRITING AT TIME OF APPLICATION FOR APPROVAL.
- 1.24.1.4. ITEMS OF EQUIPMENT BY MANUFACTURERS, NOT NAMED IN THE SPECIFICATIONS, MAY BE OFFERED AS ALTERNATIVES. PROPOSALS MUST BE ACCOMPANIED BY FULL DESCRIPTIVE AND TECHNICAL DATA, TOGETHER WITH THE STATEMENT OF AMOUNT OF ADDITION OR DEDUCTION FROM THE BASE BID.
- 1.24.1.5. AFTER EXECUTION OF THE CONTRACT, SUBSTITUTION OF EQUIPMENT WILL NOT BE CONSIDERED.
- 1.24.1.6. WHERE EQUIPMENT OTHER THAN THE EQUIPMENT USED AS A BASIS FOR DESIGN, LAYOUT AND SPACE ALLOCATION IS USED, PRODUCE AND SUBMIT REVISED LAYOUTS OF EQUIPMENT, PIPES, DUCTS, ETC., IN THE AREAS AFFECTED. SUBMIT THESE DRAWINGS WITH THE SHOP DRAWINGS. FAILURE TO PRODUCE THESE DRAWINGS IS AN INDICATION BY THE CONTRACTOR THAT THEY ARE NOT REQUIRED AND THE ORIGINAL SPACE ALLOCATIONS ARE ADEQUATE FOR THE SUBSTITUTED EQUIPMENT.
4. MECHANICAL INSULATION:
- 4.1. ALL PRODUCTS TO HAVE FLAME SPREAD RATING LESS THAN 25 AND SMOKE DEVELOPED CLASSIFICATION LESS THAN 50 IN COMPLIANCE WITH CANULC-S102.
- 4.2. PROVIDE A CONTINUOUS VAPOUR BARRIER ON ALL COLD SYSTEMS.
- 4.3. INSULATION TYPES:
- 4.3.1. FGF - FLEXIBLE GLASS FIBRE: FLEXIBLE NON-COMBUSTIBLE BLANKET CONFORMING TO CANULC S102, WITH FACTORY APPLIED VAPOUR BARRIER JACKET TO C55B 51-GP-52M. THERMAL CONDUCTIVITY TO ASTM C177.
- 4.3. DUCTWORK:
- | SYSTEM / LOCATION | TYPE | THICKNESS, MM (IN) | MIN R-VALUE, K M ² / W (H FT ² °F / BTU) |
|---------------------|------|--------------------|--|
| EXHAUST & REACT AIR | FGF | 50 (2) | 1.06 (6.0) |

5.1.5. FACTORY INSTALLED CONTROLS:

- 5.1.5.1. CONTROLLER WITH FILTER REPLACEMENT SIGNALS, AUTOMATIC HUMIDITY CONTROL, FAN FAILURE ALARMS, REACTIVATION HEATER ALARM.

6. AIR DISTRIBUTION SYSTEM:

6.1. DUCTWORK:

- 6.1.1. GENERAL:
- 6.1.1.1. PROVIDE DUCTWORK CONSTRUCTED TO SMACNA 250 PA (1" W.G.), PRESSURE CLASSIFICATION & SEAL CLASS A. FOLLOW ALL OF THE LATEST SMACNA REQUIREMENTS.
- 6.1.1.2. SEAL ALL DUCT JOINTS AND CONNECTIONS TO DIFFUSERS AND EQUIPMENT WITH HIGH VELOCITY WATER BASED DUCT SEALER.
- 6.1.1.3. PROVIDE DUCTS OF SIZES INDICATED ON DRAWINGS. WHERE DUCTS ARE TO BE FURNISHED WITH ACOUSTIC DUCT INSULATION, ADJUST DUCT SIZE TO ACCOMMODATE THICKNESS, WITH CLEAR INSIDE DIMENSIONS AS INDICATED ON DRAWINGS.
- 6.1.1.4. CONTINUOUSLY SOLDER OR SEAL JOINTS IN EXTERIOR AIR INTAKE DUCTS AND PLENUMS TO PREVENT DRIPPING OF MOISTURE.
- 6.1.1.5. PROVIDE DUCTWORK OF GALVANIZED STEEL SHEET UNLESS INDICATED OTHERWISE.
- 6.1.1.6. DUCTWORK ASPECT RATIOS CAN BE ADJUSTED TO A MAXIMUM OF 4:1 WHILE KEEPING AT LEAST THE SAME CROSS SECTIONAL AREA, TO AVOID INTERFERENCES, AS REQUIRED.
- 6.1.2. RECTANGULAR DUCTWORK:
- 6.1.2.1. FOR LONGITUDINAL JOINTS ON RECTANGULAR DUCTWORK, FURNISH PITTSBURGH LOCK JOINTS TIGHTLY CLOSED ALONG FULL LENGTH OF SEAM.
- 6.1.2.2. CROSS-BREAK FLAT SURFACES BETWEEN JOINTS, OR BETWEEN JOINTS AND INTERMEDIATE REINFORCEMENTS, TO PREVENT VIBRATION OR BUCKLING.
- 6.1.2.3. WHERE ELBOWS ARE INDICATED AS SQUARE TYPE, PROVIDE AIR TURNING VANES OF DOUBLE BLADE CONSTRUCTION.
- 6.1.3. ROUND DUCTWORK:
- 6.1.3.1. FURNISH NINETY DEGREE ELBOWS WITH SMOOTH CENTRE LINE RADIUS OF 1.5 TIMES DUCT DIAMETER. ALTERNATIVELY FURNISH ELBOWS OF 5 PIECE CONSTRUCTION, SUBJECT TO APPROVAL BY CONSULTANT.
- 6.1.3.2. DUCTWORK SHALL USE SPIRAL LOCK SEAM TYPE DUCT. SLIP JOINTS IN DIRECTION OF FLOW, IN ACCORDANCE WITH SMACNA STANDARDS.
- 6.1.4. SUPPORTS AND HANGERS:
- 6.1.4.1. DO NOT HANG ANY DUCTWORK FROM OTHER MECHANICAL EQUIPMENT OR FROM ROOF DECK, UNLESS SPECIFICALLY INDICATED ON DRAWINGS.
- 6.1.4.2. RECTANGULAR DUCTWORK:
- 6.1.4.2.1. FOR DUCTS UP TO 760 MM (30") WIDE: FURNISH STRAP HANGERS OF GALVANIZED SHEET STOCK WITH EDGES FOLDED OVER. BEND STRAP HANGER AROUND BOTTOM OF DUCT FOR MINIMUM OF 38 MM (1-1/2") AND ATTACH TO SIDES AND BOTTOM OF DUCT.
- 6.1.4.2.2. FOR DUCTS OVER 760 MM (30") WIDE: FURNISH MILD STEEL ROD HANGERS OF MINIMUM 10 MM (3/8") DIA SIZE AND FURNISH 38 MM X 38 MM X 3 MM (1-1/2" X 1-1/2" X 1/8") STEEL ANGLE ACROSS BOTTOM OF DUCT. ATTACH HANGER TO ANGLE (NOT DUCT).
- 6.1.4.3. ROUND DUCTWORK:
- 6.1.4.3.1. FOR DUCTS UP TO 900 MM (36") DIAMETER: FURNISH STRAP BAND AND HANGER OF 25 MM (1") X 20 GA. GALVANIZED SHEET STOCK WITH EDGES FOLDED OVER. BAND IS TO FIT TIGHT TO DUCT ALL AROUND AND CONNECT TO HANGER STRAP WITH LOAD RATED FASTENER.

GENERAL NOTES: (APPLICABLE TO ALL DRAWINGS)

- THESE DRAWINGS ARE AN INTEGRAL PART OF THE SPECIFICATIONS WHICH ACCOMPANY THEM.
- ALL MATERIALS AND WORKMANSHIP SHALL BE NEW UNLESS NOTED OTHERWISE, FREE OF DEFECTS, AND COMPLY WITH ALL APPLICABLE STANDARDS.
- CONTRACTOR TO ENGAGE THE SERVICES OF A STRUCTURAL ENGINEER TO REVIEW ADEQUACY OF EXISTING EQUIPMENT SUPPORTS / HANGERS FOR REPLACEMENT EQUIPMENT & DESIGN REINFORCEMENTS AS REQUIRED.
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE
- INSTALL DUCTWORK / PIPING TIGHT TO UNDERSIDE OF STRUCTURE UNLESS NOTED OTHERWISE.
- DO NOT SCALE DRAWINGS. OBTAIN ALL DIMENSIONS FROM EXISTING ARCHITECTURAL PLANS, SITE INSPECTIONS, AND MANUFACTURER'S SHOP DRAWINGS.
- OPENINGS IN EXTERIOR WALLS AND ROOF ARE TO BE PROPERLY FLASHED AND MADE WEATHERPROOF.
- ALL NECESSARY CUTTING / PATCHING FOR MECHANICAL WORK SHALL BE PROVIDED BY APPROPRIATE TRADE(S) AT CONTRACTOR'S EXPENSE UNLESS NOTED OTHERWISE.
- MAKE GOOD ALL BUILDING COMPONENTS DAMAGED BY WORK OF THIS TRADE TO THE CONSULTANT SATISFACTION.
- PROVIDE ALL SLEEVES, INSERTS AND HANGERS REQUIRED FOR THE WORK. TREAT ALL SLEEVES OR HOLES PIERCING ACOUSTICAL SEPARATIONS FOR INSTALLATIONS OF THIS DIVISION TO MAINTAIN ACOUSTICAL RATING. ALL GAPS SHALL BE PACKED WITH ACOUSTICAL INSULATION AND SEALED AT BOTH ENDS WITH ACOUSTICAL CAULKING. PATCH ALL OPENINGS AROUND INSTALLATIONS OF THIS DIVISION PIERCING FIRE OR SMOKE SEPARATIONS WITH AN APPROVED WATERTIGHT SMOKE AND FIRE STOP SEALANT.
- INSTALL ALL EQUIPMENT & ASSOCIATED DUCTWORK, PIPING, APPURTENANCES TO PROVIDE MAINTENANCE ACCESS. ALLOW FOR ALL ACCESS DOORS REQUIRED FOR EQUIPMENT INSTALLATIONS & SERVICE. ENSURE PROPER EXPENSE DOOR SIZE, TYPE AND FIRE RATING.
- COORDINATE ALL WORK WITH OTHER TRADES AND SUPPLIERS/MANUFACTURERS TO AVOID INTERFERENCES AND CONFLICTS BETWEEN SERVICES. PLAN WORK WELL IN ADVANCE TO ELIMINATE INSTALLATION AND COORDINATE DIFFICULTIES. COOPERATE WITH OTHER TRADES ON SITE TO RESOLVE INTERFERENCES TO SATISFACTORILY COMPLETE THE PROJECT.
- DEBRIS WILL BE KEPT TO A MINIMUM. ON COMPLETION OF CONSTRUCTION AND PRIOR TO THE FINAL INSPECTION AND ACCEPTANCE BY THE OWNER, SITE SHALL BE CLEANED AND ALL SCRAP MATERIALS RESULTING FROM THE WORK SHALL BE REMOVED.
- PRIOR TO THE FINAL INSPECTION, ALL EQUIPMENT SHALL BE CLEANED. ALL CONSTRUCTION DUST AND DIRT SHALL BE REMOVED FROM INSTALLED EQUIPMENT AT THE END OF THE JOB.
- EXISTING INSTALLATIONS SHOWN FOR GENERAL REFERENCE ONLY. ATTEND SITE TO ASSESS WORK PRIOR TO BID SUBMISSION. INCLUDE ALL COSTS TO MODIFY AND / OR EXTEND NEW WORK AS REQUIRED TO MEET DESIGN INTENT. VERIFY ALL EXISTING DUCT / PIPE SIZES & CLEARANCES ON SITE.
- ALL EXISTING MECHANICAL EQUIPMENT TO REMAIN UNLESS NOTED OTHERWISE
- OPERATION OF EXISTING MECHANICAL EQUIPMENT TO REMAIN SHALL BE VERIFIED. DEFICIENCIES SHALL BE REPORTED TO CONSULTANT.
- SCHEDULE AND PHASE WORK TO REDUCE INTERFERENCE AND DOWNTIME OF EXISTING SYSTEMS. NOTIFY OWNER'S REPRESENTATIVE OF ALL DOWNTIME PRIOR TO PROCEEDING WITH WORK.

GENERAL DEMOLITION NOTES: (APPLICABLE TO ALL DRAWINGS)

- ALL EXISTING EQUIPMENT TO REMAIN UNLESS IDENTIFIED OTHERWISE ON THE DRAWINGS, GENERAL NOTES OR SPECIFICATIONS.
- EXTENTS OF DEMOLITION SHOWN ARE APPROXIMATE AND THIS TRADE IS RESPONSIBLE FOR ALL DEMOLITION REQUIRED TO MEET DESIGN INTENT.
- REMOVE ALL UNUSED, ABANDONED OR REDUNDANT PIPING, HANGERS, & ACCESSORIES BACK TO SOURCE & CAP.
- DISPOSE OF ALL REMOVED ITEMS / DEVICES AS REQUIRED AS PER APPLICABLE REGULATIONS.

MECHANICAL LEGEND	
SYMBOL	DESCRIPTION
—	NEW ITEM
---	EXISTING ITEM TO REMAIN
---X---	EXISTING ITEM TO BE REMOVED
REL	EXISTING ITEM TO BE RELOCATED
ER	EXISTING ITEM IN RELOCATED POSITION
EX	EXISTING ITEM TO REMAIN
OED	OPEN ENDED DUCT
==	DUCTWORK SHOWN DOUBLE LINE
—○—	CONDENSATE DRAIN
○OC	OCCUPANCY SENSOR
○CO2	CO2 SENSOR (D DENOTES DUCT MOUNTED)
○R	REVERSE ACTING THERMOSTAT
○T	THERMOSTAT/TEMPERATURE SENSOR
+	NEW CONNECTION TO EXISTING
EA	EXHAUST AIR
OA	OUTSIDE AIR
RA	RETURN AIR
SA	SUPPLY AIR
□	FLEXIBLE DUCT CONNECTION
⊗	DUCT DOWN - POSITIVE / NEGATIVE PRESSURE
⊗	DUCT UP - POSITIVE / NEGATIVE PRESSURE
⊗	SUPPLY AIR GRILLE
⊗	RETURN AIR GRILLE
—	SIDEWALL GRILLE CW BALANCE DAMPER TYPICAL AT ALL SIDEWALL GRILLES
▨	INTERNALLY INSULATED DUCT
⊗	EXTERNALLY INSULATED DUCT
◇	DRAWING NOTE TAG
?	DIFFUSER TAG
?	DIFFUSER/GRILLE SIZE (AND NECK SIZE WHERE APPLICABLE)
?	AIR VOLUME (CFM OR L/s AS INDICATED)
?	DIFFUSER/GRILLE DESIGNATION (REFER TO SCHEDULE FOR TYPE)
?	EQUIPMENT TAG
?	EQUIPMENT TYPE
?	EQUIPMENT NUMBER (REFER TO SCHEDULES FOR INFO)
THIS IS A STANDARD LEGEND. ALL SYMBOLS MAY NOT NECESSARILY BE USED ON DRAWINGS.	

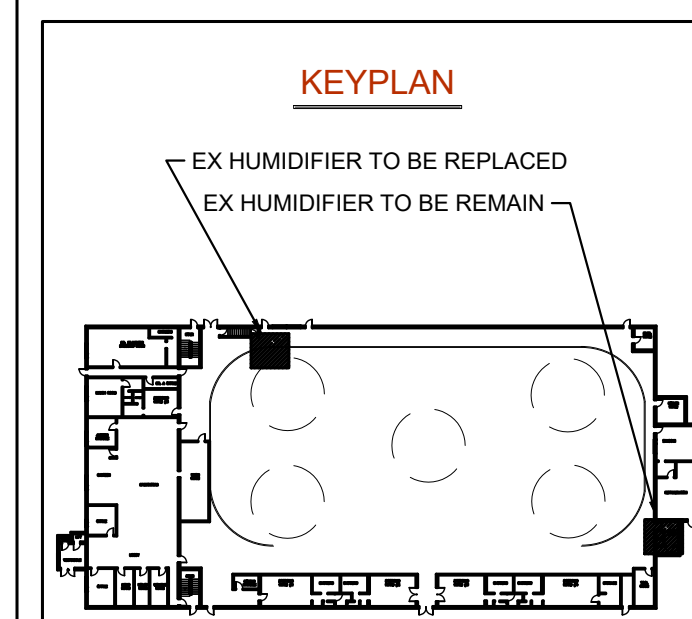
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NO.	ISSUED FOR	DATE
00	90% CLIENT REVIEW	APR 24, 2026
01	TENDER	MAY 7, 2026

REVISIONS

NO.	ISSUED FOR	DATE
00	90% CLIENT REVIEW	APR 24, 2026
01	TENDER	MAY 7, 2026

NORTH

PROFESSIONAL ENGINEER
LICENSED PROFESSIONAL ENGINEER
L.P. # 4487
90382765
REG. 2017
EX. 2, 2024
PROVINCE OF ONTARIO

DESIGN	PBL	DRAWN	SL
CHECKED	PBL	REVIEWED	PBL

PROJECT

**LOU JEFFRIES ARENA
DEHUMIDIFIER REPLACEMENT**

ADDRESS

**600 KING ST E
GANANOQUE, ON K7G 1H3**

PROJECT NO.

CE-6471

DRAWING TITLE

LEGENDS, SCHEDULES, AND SPECIFICATIONS MECHANICAL

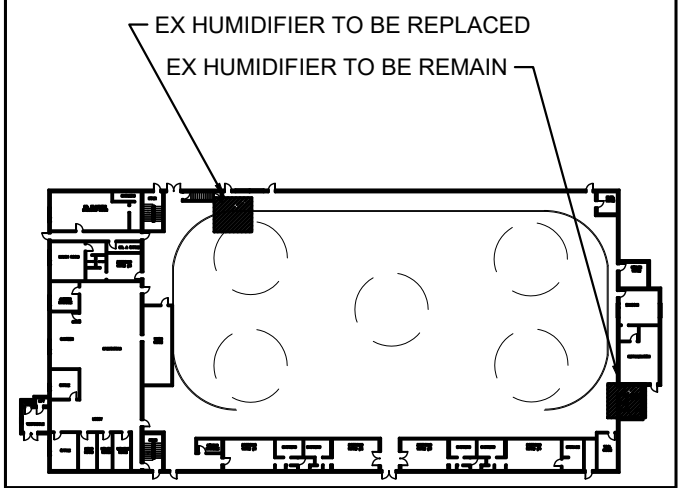
DRAWING NUMBER

M1 OF 2

DWG REF	MANUF.	MODEL	DEHUMIDIFIER SCHEDULE														REMARKS
			PROCESS AIRFLOW		REACT AIRFLOW		CAPACITY NOM MOISTURE REMOVAL [lb/h] (kg/h)	HEATING - ELECTRIC			MOTORS		ELECTRICAL			OPERATING WEIGHT [lbs.] (kg)	
			RATE [CFM] (L/s)	ESP [in. w.c.] (Pa)	RATE [CFM] (L/s)	ESP [in. w.c.] (Pa)		CAPCTY [MBH] (kW)	E.A.T. [°F] (°C)	L.A.T. [°F] (°C)	SUPPLY HP [HP]	REACT. HP [HP]	VOLT / PH / HZ	MCA	MOCPP		
DHU-1A	CIMCO	CDI-MS2500	2500 (1180)	0.00 (0.00)	300 (142)	0.50 (124.42)	26.6 (12.1)	51.0 (14.9)	60.0 (15.6)	60.0 (15.6)	1-1/2	1/2	575 / 3 / 60	22.5	30	625.0 (283.5)	FACTORY MOUNTED CONTROLLER WITH CHANGE FILTER SIGNALS, FAN FAILURE ALARMS, HIGH TEMP ALARM, ROTOR FAILURE ALARM, HEATER FAILURE ALARM, TEMP & DEW POINT SENSORS, INTEGRAL DISCONNECT

NOTES: MOISTURE REMOVAL AT 50°F DB, 50% RH ENTERING

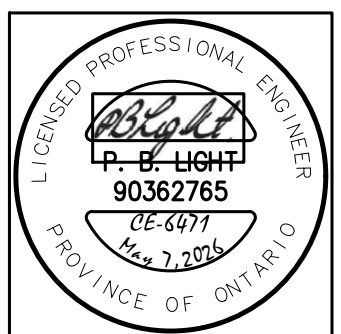
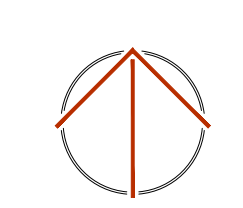
KEYPLAN



REVISIONS

NO.	ISSUED FOR	DATE
00	90% CLIENT REVIEW	APR 24, 2026
01	TENDER	MAY 7, 2026

NORTH



DESIGN	PBL	DRAWN	SL
CHECKED	PBL	REVIEWED	PBL

PROJECT

LOU JEFFRIES ARENA
DEHUMIDIFIER REPLACEMENT

ADDRESS

600 KING ST E
GANANOQUE, ON K7G 1H3

PROJECT NO.

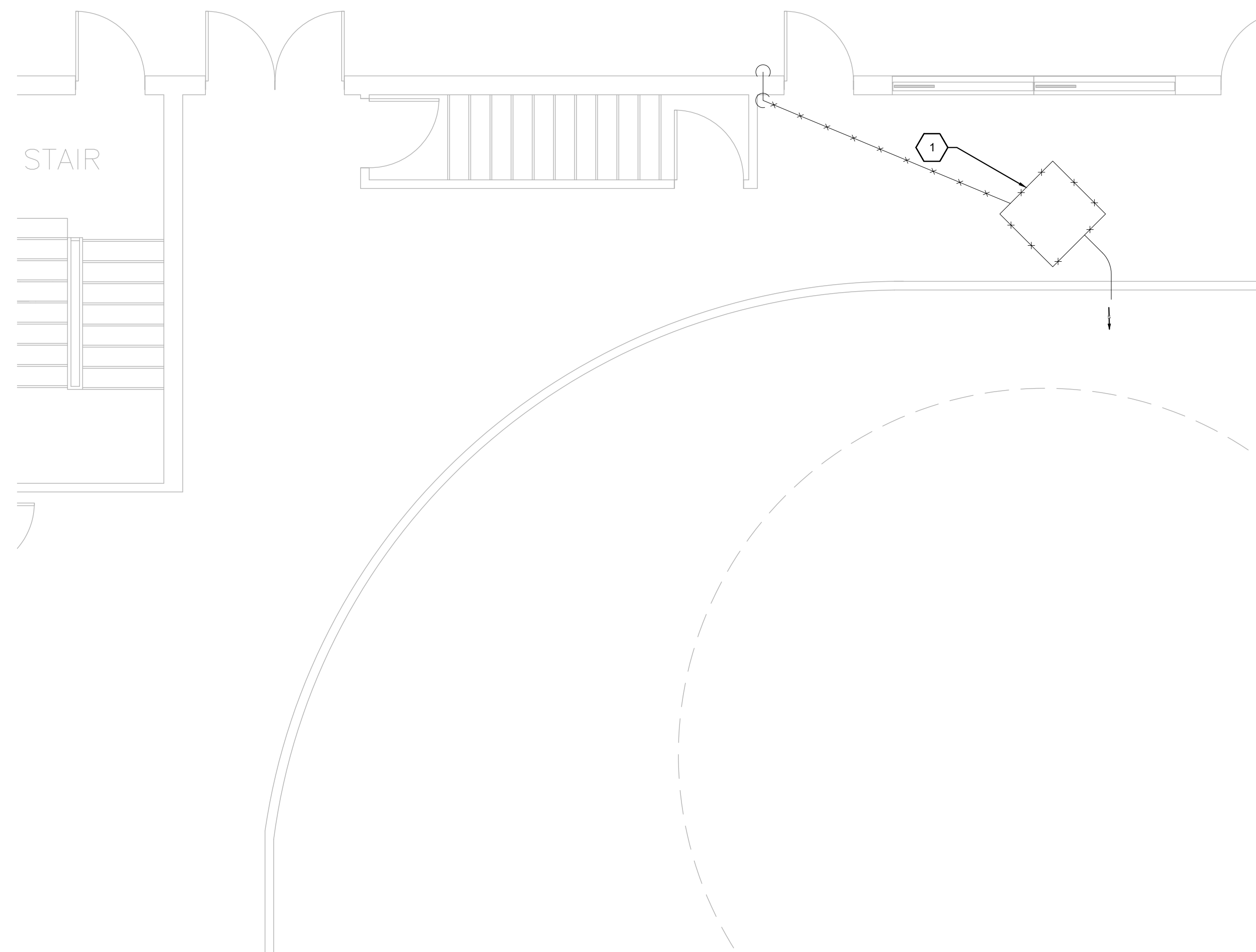
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DRAWING TITLE

MECHANICAL REMOVALS &
REPLACEMENT

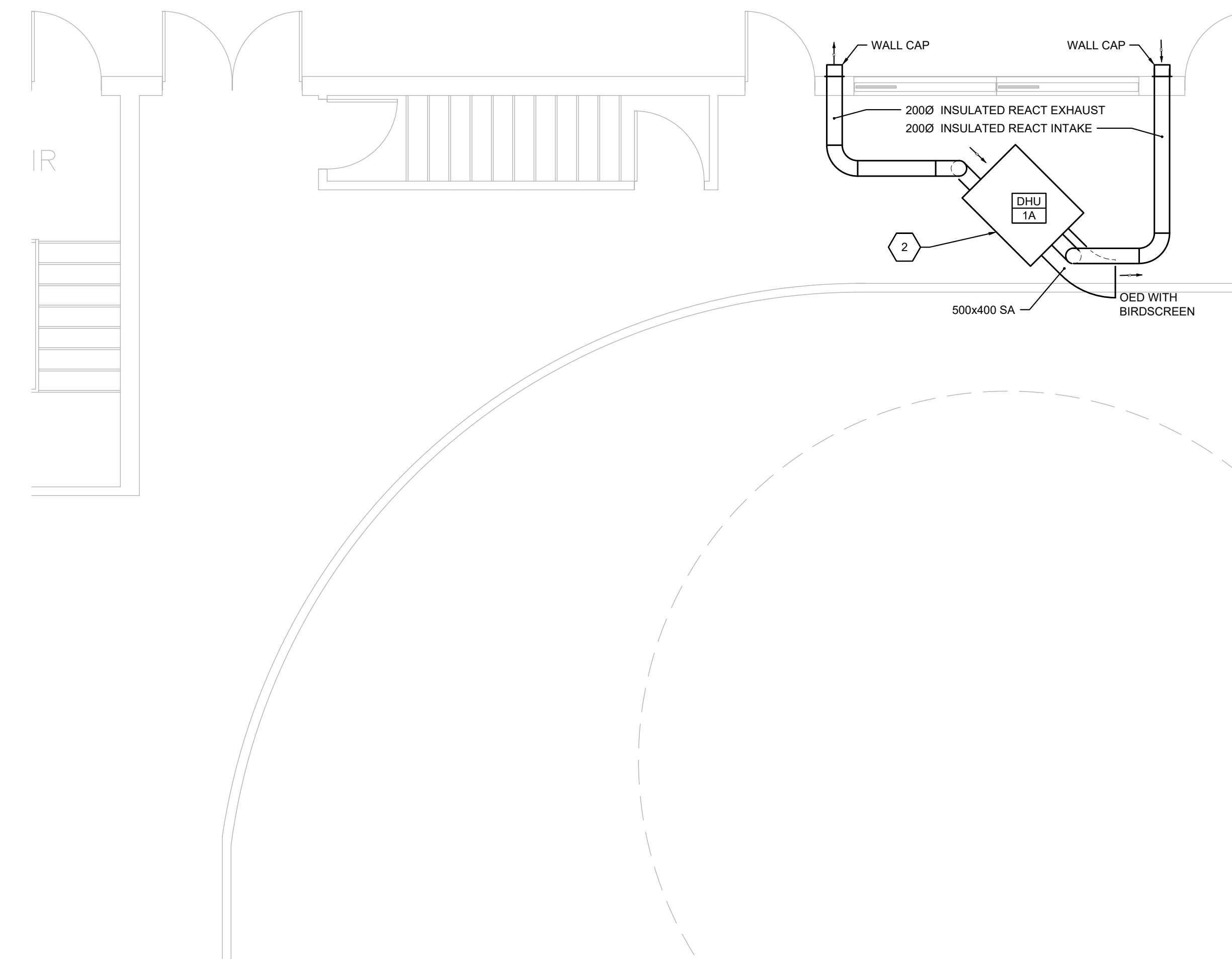
DRAWING NUMBER

M2 OF 2



FLOOR PLAN - MECHANICAL REMOVALS

SCALE: 1:125



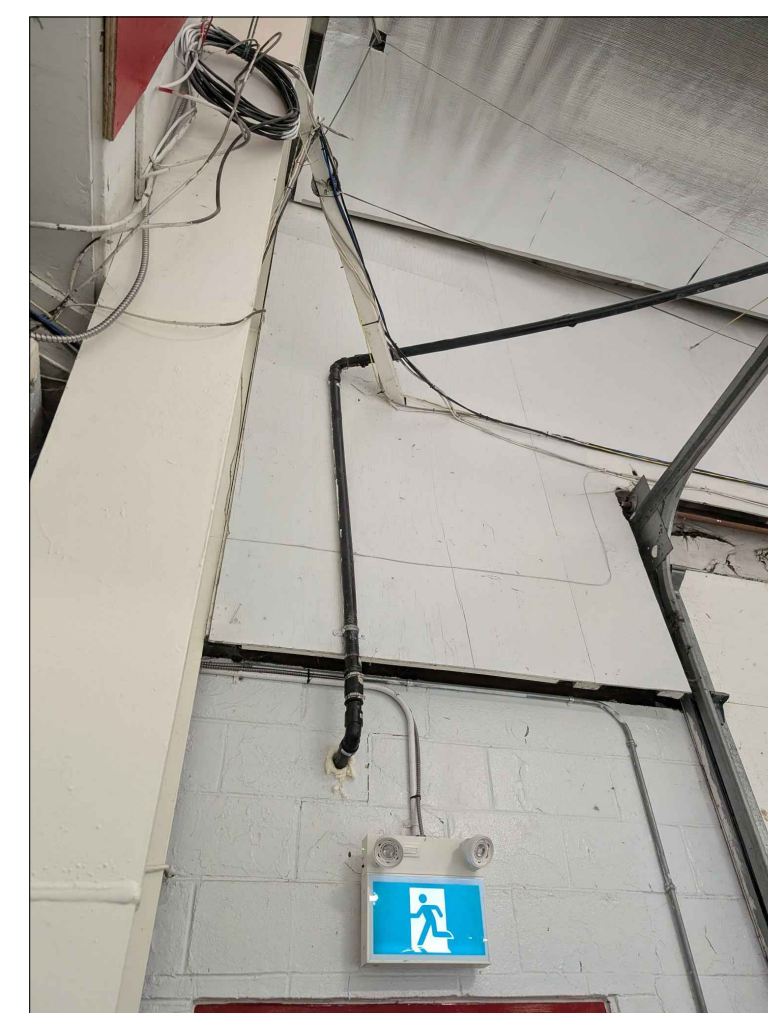
FLOOR PLAN - MECHANICAL

SCALE: 1:125



REFERENCE IMAGE - EXISTING EXTERIOR
CONDENSATE DRAIN

SCALE: N/A



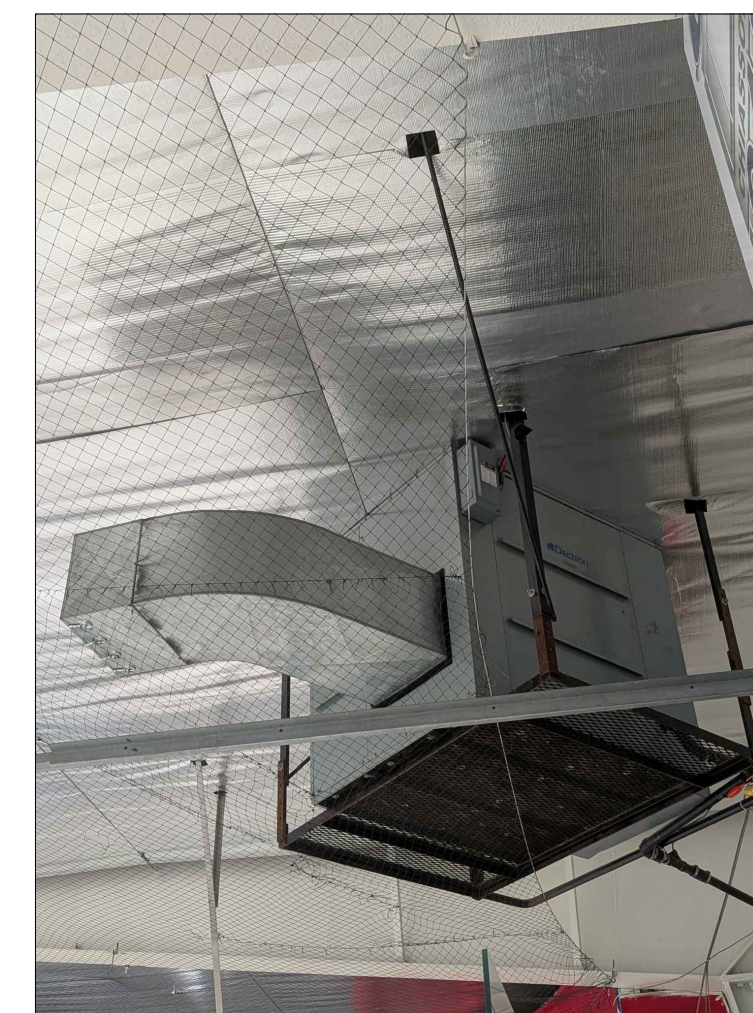
REFERENCE IMAGE - EXISTING INTERIOR
CONDENSATE DRAIN

SCALE: N/A



REFERENCE IMAGE - EXISTING DEHUMIDIFIER
WEST ELEVATION

SCALE: N/A

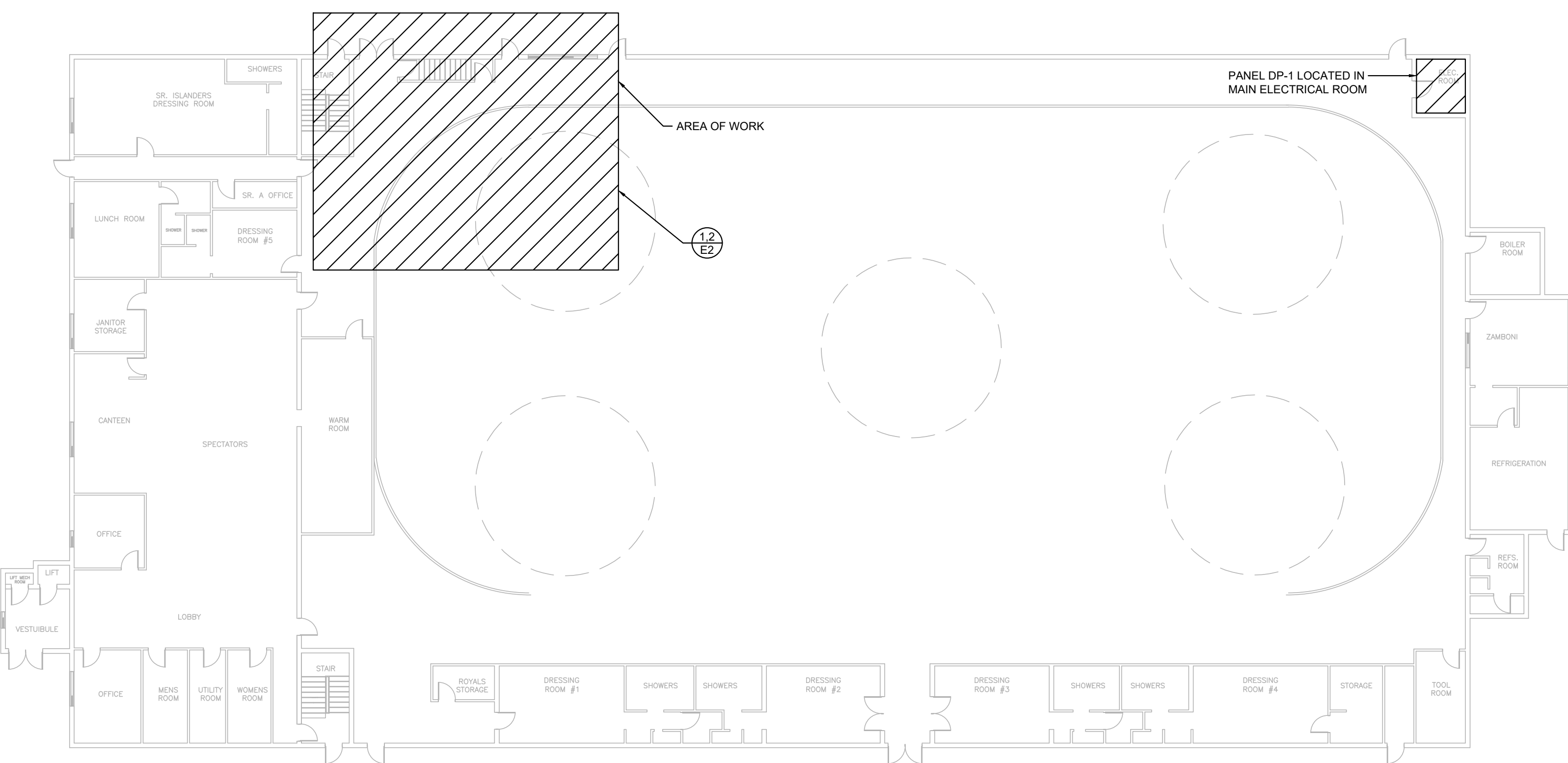


REFERENCE IMAGE - EXISTING DEHUMIDIFIER
EAST ELEVATION

SCALE: N/A

DRAWING NOTES (INDICATED WITH HEXAGONS):

- REMOVE ENTIRE EXISTING CONDENSATE DRAIN, HEAT TRACING, & HANGERS, INFILL WALL PENETRATION WEATHERTIGHT TO MATCH ADJACENT ASSEMBLIES. REMOVE EXISTING DEHUMIDIFIER, CONTROLS, & APPURTENANCES. EX PLATFORM SHALL REMAIN FOR REPLACEMENT UNIT WITH MODIFICATIONS AS REQUIRED.
- INSTALL UNIT PER MANUFACTURER'S REQUIREMENTS. MODIFY EX SUPPORTS AS REQUIRED. REFER TO GENERAL NOTES FOR STRUCTURAL REQUIREMENTS.



ELECTRICAL KEYPLAN

SCALE: NTS

ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
	DEMOLITION
	EXISTING
	NEW
	EXISTING TO REMAIN
	REMOVE EXISTING
	WEATHERPROOF
	EXISTING AS RELOCATED
	NEW FIXTURE OR DEVICE / EQUIPMENT
	DISCONNECT
	CONNECTION TO MOTOR OR MOTORIZED PIECE OF EQUIPMENT

ELECTRICAL GENERAL REQUIREMENTS

GENERAL CONDITIONS:

- ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE ONTARIO ELECTRICAL SAFETY CODE, THE LOCAL ELECTRICAL SAFETY AUTHORITY INSPECTION OFFICE, THE ONTARIO BUILDING CODE, THE ONTARIO FIRE CODE AND ANY OTHER LOCAL REGULATIONS HAVING JURISDICTION OVER THE WORK OF THIS TRADE.
- BEFORE TENDERING, EXAMINE THE SITE AND ALL DRAWINGS AND SPECIFICATIONS OF ALL TRADES AND BE FAMILIAR WITH THE WORK OF THIS TRADE. NO EXTRAS WILL BE ALLOWED FOR THE FAILURE TO DO SO.
- ALL ELECTRICAL WORK SHALL COMPLY WITH CSA ELECTRICAL BULLETIN APPLICABLE AT TENDER CLOSE. WHERE SPECIFIC BULLETINS ARE NOT NAMED THEY ARE STILL CONSIDERED AN INTEGRAL PART OF THIS SPECIFICATION.
- PROVIDE ALL GROUNDING AND BONDING TO GROUND REQUIRED, REGARDLESS IF NOT SHOWN ON THE DRAWINGS. GROUNDING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE ONTARIO ELECTRICAL SAFETY CODE.
- PROVIDE ALL NEW MATERIALS HAVING CSA, CUL, WARNOCK HERSEY OR OTHER APPROVAL AGENCY LABEL AND LISTING. ALL WORKMANSHIP BY THIS TRADE SHALL BE FIRST CLASS, CONFORMING TO INDUSTRY STANDARD PRACTICES FOR SAFETY, ACCESSIBILITY, DURABILITY AND NEATNESS FOR ACCEPTANCE BY THE OWNERS' REPRESENTATIVES.
- ARRANGE AND PAY FOR ALL INSPECTION FEES REQUIRED FOR THE WORK OF THIS TRADE. SUBMIT TO THE LOCAL ELECTRICAL INSPECTION DEPARTMENT AND/OR ELECTRICAL SUPPLY AUTHORITY ANY AND ALL DRAWINGS REQUIRED FOR PERMITS, FEES, APPROVALS, EXAMINATIONS AND SERVICES.
- PROVIDE ALL CUTTING AND PATCHING REQUIRED FOR THE WORK OF THIS TRADE. ALL CUTTING AND PATCHING SHALL BE PERFORMED BY QUALIFIED TRADES PERSONS. INCLUDE ALL COSTS FOR CUTTING AND PATCHING RELATED TO THE WORK OF THIS TRADE IN THE TENDER PRICE.
- PROVIDE ALL SLEEVES, INSERTS AND HANGERS REQUIRED FOR THE ELECTRICAL WORK. TREAT ALL SLEEVES OR HOLES PIERCING ACOUSTICAL SEPARATIONS FOR INSTALLATIONS OF THE DIVISION TO MAINTAIN ACOUSTICAL RATING. ALL GAPS SHALL BE PACKED WITH ACOUSTICAL INSULATION AND SEALED AT BOTH ENDS WITH ACOUSTICAL CAULKING. PATCH ALL OPENINGS AROUND INSTALLATIONS OF THIS DIVISION PIERCING FIRE OR SMOKE SEPARATIONS WITH AN APPROVED WATERTIGHT SMOKE AND FIRE STOP SEALANT.
- TOUCH-UP ALL SHOP PAINTED EQUIPMENT DAMAGED IN TRANSIT OR DURING INSTALLATION TO MATCH ORIGINAL SHOP FINISH.
- AVOID ACCUMULATION OF DEBRIS AS THE WORK PROGRESSES. ON COMPLETION OF THE CONSTRUCTION AND PRIOR TO THE FINAL INSPECTION AND ACCEPTANCE BY THE OWNER, CLEAN UP AND REMOVE FROM THE SITE ALL SCRAP MATERIALS RESULTING FROM THE WORK OF THIS TRADE.
- CO-ORDINATE THE WORK OF THIS TRADE WITH ALL OTHER TRADES ON THE JOB SO THAT THE WORK MAY PROGRESS WITHOUT ANY DELAY. SCHEDULE AND PHASE DEMOLITION AND NEW WORK TO REDUCE INTERFERENCE AND DOWNTIME OF EXISTING SYSTEMS. NOTIFY OWNER'S REPRESENTATIVE OF ALL DOWNTIME PRIOR TO PROCEEDING WITH WORK.
- IN AREAS WHERE SPACE IS LIMITED AND MULTIPLE TRADES ARE INSTALLING SERVICES, COORDINATE INSTALLATION OF SERVICES. PREPARE INTERFERENCE DRAWINGS PRIOR TO CONSTRUCTION TO ENSURE INSTALLATION OF ALL SERVICES IS COORDINATED.
- PRIOR TO THE FINAL INSPECTION, CLEAN ALL ELECTRICAL EQUIPMENT. CLEAN ALL CONSTRUCTION DUST AND DIRT FROM INSTALLED EQUIPMENT AT THE END OF THE JOB. REPAIR ANY DAMAGE CAUSED BY THE ELECTRICAL TRADE TO EXISTING BUILDINGS OR EQUIPMENT, ETC TO THE CONSULTANTS SATISFACTION.
- UPON COMPLETION OF THE WORK, PROVIDE THE FINAL UNCONDITIONAL CERTIFICATE OF ACCEPTANCE FROM THE LOCAL ELECTRICAL SAFETY AUTHORITY INSPECTION OFFICE.
- PROVIDE A ONE YEAR GUARANTEE ON ALL MATERIALS, AND LABOUR FROM THE DATE OF ACCEPTANCE BY THE OWNER. COMPLETE ALL WARRANTY REGISTRATION DOCUMENTATION ON BEHALF OF THE BUILDING OWNER. SUBMIT COPIES OF COMPLETED DOCUMENTATION IN OPERATIONS AND MAINTENANCE MANUALS.
- ON MULTI-PHASE FEEDERS AND PANELS, ADJUST THE PHASE LOADING SO AS NOT TO EXCEED A PHASE IMBALANCE OF 10% LINE TO LINE, UNDER NORMAL OPERATING CONDITIONS OF THE FEEDER OR PANEL.
- SUBMIT SHOP DRAWINGS IN ELECTRONIC PDF FORMAT FOR THE FOLLOWING EQUIPMENT: BREAKERS, FIRE ALARM DEVICES, EXIT AND EMERGENCY LIGHTING UNITS, ETC. THE SHOP DRAWINGS SHALL BEAR THE NAME OF THE MANUFACTURER, THE MANUFACTURER'S CATALOGUE NUMBER, AND THE CONSULTANT'S DESIGNATION, ALONG WITH ALL PERTINENT INFORMATION PERTAINING TO THAT SPECIFIC PIECE OF EQUIPMENT.
- ALL ELECTRICAL EQUIPMENT SHALL BE MOUNTED PLUMBED TRUE.
- WHERE THE WORD PROVIDE IS USED IN THESE SPECIFICATIONS OR ON THE DRAWINGS, IT HAS THE MEANING "PROVIDE AND INSTALL COMPLETE WITH ALL ASSOCIATED MOUNTING HARDWARE AND CONNECTIONS".
- CHANGES IN THE WORK
 - CHANGES TO THE CONTRACT REQUIRING ADDITIONS TO OR DELETIONS FROM THE WORK OF THIS DIVISION SHALL BE CARRIED OUT UPON WRITTEN REQUEST OF THE CONSULTANT. EXTRAS TO THE CONTRACT OR CREDITS SHALL BE SUBMITTED WITH A COMPLETE COST BREAKDOWN AS FOLLOWS:
 - ITEMIZED MATERIAL LIST WITH QUANTITIES AND UNIT COSTS
 - ITEMIZED LABOUR COST BREAKDOWN
 - COPY OF QUOTATIONS FROM ALL SUPPLIERS FOR ALL EQUIPMENT
 - COPY OF QUOTATIONS FROM ALL SUBCONTRACTORS INCLUDING ALL OF THE REQUIREMENTS OF THIS SECTION
 - TOTAL MATERIAL COST
 - TOTAL HOURS
 - HOURLY RATE (REFER TO SUPPLEMENTARY CONDITIONS AND GENERAL CONTRACT)
 - TOTAL OVERHEAD AND PROFIT (REFER TO SUPPLEMENTARY CONDITIONS AND GENERAL CONTRACT)

CONDUCTORS & RACEWAYS:

- USE RW90 COPPER CONDUCTORS CSA APPROVED FOR THE APPLICATION. CONDUCTORS IN UNDERGROUND RACEWAYS TO BE RWU90. SIZE THE CONDUCTORS SO THAT THE MAXIMUM BRANCH CIRCUIT VOLTAGE DROP DOES NOT EXCEED 3%. MINIMUM CONDUCTOR SIZE IS #12 AWG UNLESS OTHERWISE INDICATED.
- DESIGN IS BASED ON COPPER CONDUCTORS. ALUMINUM CONDUCTORS ARE NOT PERMITTED ON THIS PROJECT.
- ALL CONDUCTORS ARE TO BE INSTALLED IN RACEWAYS AS DESCRIBED BELOW:
 - PVC CONDUIT: IN CONCRETE SLAB, UNDERGROUND BURIED, BELOW SLAB ON GRADE OR EXTERIOR EXPOSED SURFACE RACEWAYS.
 - EMT RACEWAYS: INTERIOR SURFACE RACEWAYS, BRANCH CIRCUIT WIRING FROM PANELS, CONCEALED IN ACCESSIBLE CEILINGS AND INTERIOR WALLS OR IN INTERIOR CONCRETE BLOCK CONSTRUCTION.
 - SURFACE METAL RACEWAYS (SMR); FOR EXISTING CONSTRUCTION WHERE EXISTING WALLS AND FINISHES ARE TO REMAIN OR NEW SERVICES CANNOT BE FISHED IN EXISTING WALL.
 - OBTAIN PERMISSION FROM THE CONSULTANT PRIOR TO INSTALLATION. COLOUR AND SIZE OF RACEWAYS TO BE CONFIRMED WITH CONSULTANT FOR THE SPECIFIC APPLICATION.
- ALL CONDUIT AND WIRING IS TO BE CONCEALED IN ALL FINISHED AREAS.

DEVICES:

- HEAVY DUTY EQUIPMENT ISOLATING DISCONNECTS: SIZE DISCONNECTING DEVICES FOR THE CURRENT CARRYING CAPACITIES OF THE EQUIPMENT TO BE ISOLATED. PROVIDE NUMBER OF ISOLATING POLES AS REQUIRED BY EQUIPMENT TO BE ISOLATED. TYPE OF ENCLOSURE AS INDICATED BELOW:
 - OUTDOOR OR DAMP LOCATION - EEMAC TYPE 3R.
 - MANUFACTURERS: CUTLER HAMMER - EATON, SCHNEIDER CANADA, SIEMENS
- ALL DEVICES OF THE SAME TYPE, SIZE AND RATING ARE TO BE OF THE SAME MANUFACTURER THROUGHOUT THE PROJECT.

WIRING FOR MECHANICAL EQUIPMENT SCHEDULE																	
LABEL	DESCRIPTION	LOCATION	VOLT	PH	HP	WATTS	MCA	ISO. SW.	P	POWER WIRING	CTRL BY ELEC	SOURCE PNL	DISC AMP	FUSE	BRK	P	REMARKS
DHU-1A	DEHUMIDIFIER	NORTHWEST	575	3	-	-	22.5A	30A, NF, WP	3	EX	-	DP-1	-	-	EX, 30A	3	1, 2
ABBREVIATIONS: CONT - CONTACTOR, SIZE AS INDICATED COMB - COMBINATION DISCONNECT & STARTER FVNR - FULL VOLTAGE NON REVERSING STARTER HOA - HAND OFF AUTO SWITCH C/W ON PILOT LIGHT MAN - MANUAL MOTOR SWITCH C/W PILOT LIGHT OS - OCCUPANCY SENSOR RAT - REVERSE ACTING THERMOSTAT R - RELAY RPB - REMOTE PUSH BUTTON OFF SW - LIGHT SWITCH TC - 7 DAY PROGRAMMABLE TIMECLOCK TS - TIMER SWITCH WP - WEATHER PROOF													NOTES: 1. INSTALL ALL WIRING IN CONDUIT WITH SHORT LENGTH LIQUID TIGHT FLEX TO MOTOR OR VIBRATING EQUIPMENT. 2. EXISTING FEEDER TO BE 3-#12 + GND IN 3/4" C. BASED ON EXISTING EQUIPMENT INFORMATION. ELECTRICAL TRADE TO CONFIRM ON SITE AND PROVIDE NEW FEEDER/RACEWAY IF REQUIRED. COORDINATE EXACT REQUIREMENTS WITH SHOP DRAWINGS AND PROVIDE ACCORDINGLY.				

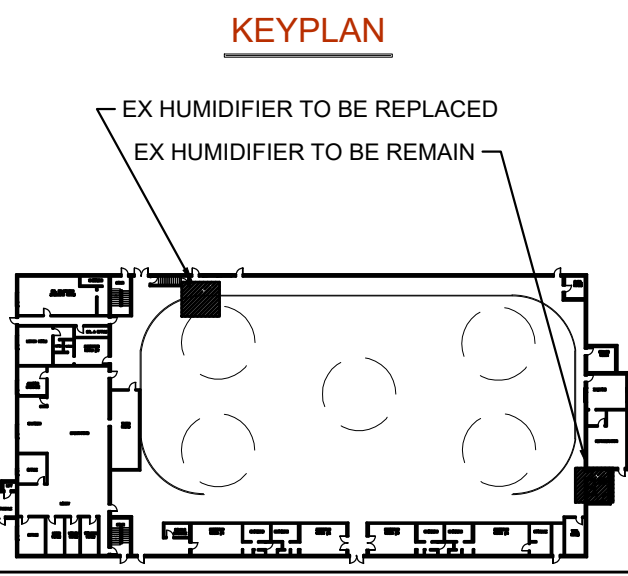
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REVISIONS		
NO.	ISSUED FOR	DATE
00	90% CLIENT REVIEW	APR 24, 2026
01	TENDER	MAY 7, 2026

NORTH

DESIGN	BC	DRAWN	BC
CHECKED	SGH	REVIEWED	SGH

PROJECT

LOU JEFFRIES ARENA
DEHUMIDIFIER REPLACEMENT

ADDRESS

600 KING ST E
GANANOQUE, ON K7G 1H3

PROJECT NO.

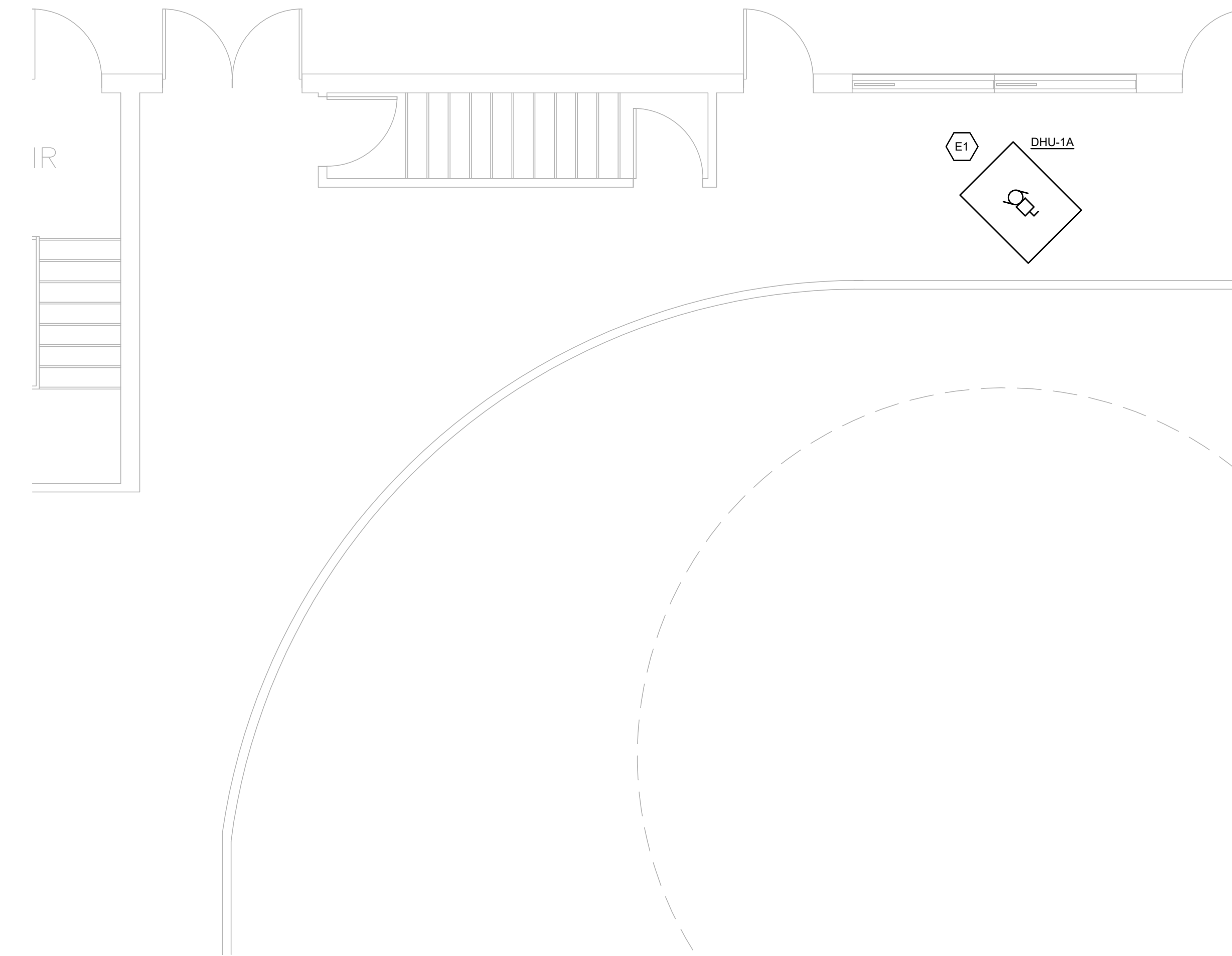
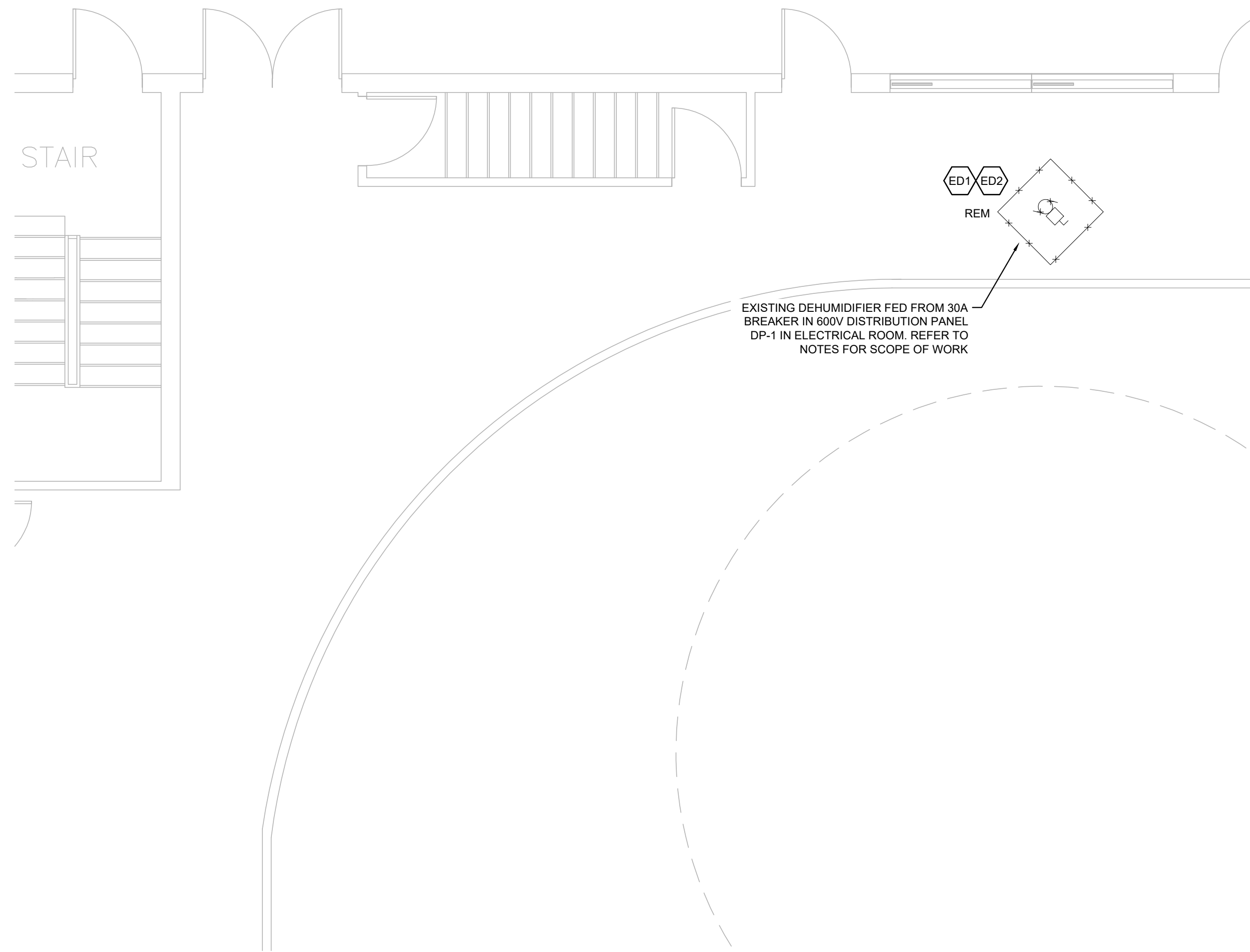
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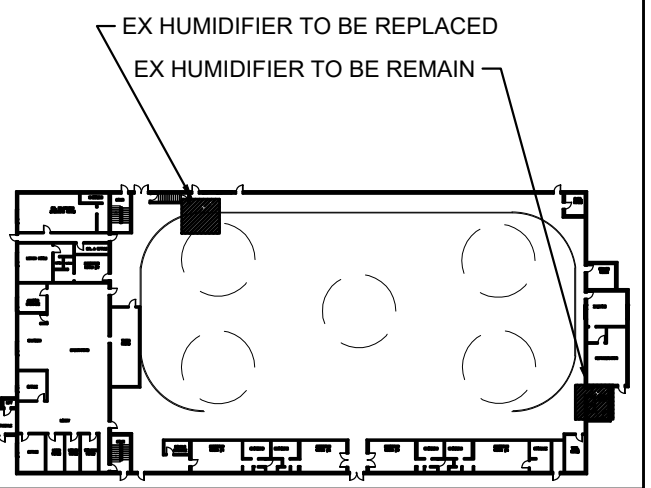
ELECTRICAL LEGENDS,
SCHEDULES, AND
SPECIFICATIONS

DRAWING NUMBER

E1 OF 2



KEYPLAN



REVISIONS

NO.	ISSUED FOR	DATE
00	90% CLIENT REVIEW	APR 24, 2026
01	TENDER	MAY 7, 2026

1
E2

FLOOR PLAN - ELECTRICAL REMOVALS

SCALE: 1:50

ELECTRICAL DRAWING NOTES - DEMO (INDICATED WITH HEXAGONS):

ED1. DISCONNECT POWER FROM EXISTING DEHUMIDIFIER AND MAKE SAFE FOR REMOVAL OF EXISTING UNIT BY MECHANICAL TRADE. DISCONNECT, REMOVE, AND DISPOSE OF EXISTING LOCAL ISOLATION SWITCH.

ED2. VERIFY AND MAINTAIN EXISTING FEEDERS AND CONDUIT FOR CONNECTION TO NEW DEHUMIDIFIER. CONTRACTOR TO TRACE EXISTING CIRCUIT PRIOR TO PERFORMING ANY WORK AND NOTIFY CONSULTANT OF ANY DEFICIENCIES WITH THE EXISTING INSTALLATION OR DISCREPANCIES.

2
E2

FLOOR PLAN - ELECTRICAL

SCALE: 1:50

ELECTRICAL DRAWING NOTES - NEW (INDICATED WITH HEXAGONS):

E1. MODIFY/EXTEND EXISTING WIRING AND CONDUIT AS REQUIRED FOR CONNECTION TO NEW DEHUMIDIFIER. ELECTRICAL TRADE TO CONFIRM IF EXISTING POWER CIRCUIT IS OF SUFFICIENT CAPACITY TO SUPPORT NEW DEHUMIDIFIER AND PROVIDE NEW TO SUIT IF REQUIRED. COORDINATE EXACT LOCATION ON SITE AND WITH SHOP DRAWINGS. COORDINATE EXACT REQUIREMENTS WITH DEHUMIDIFIER SUPPLIER. PROVIDE NEW ISOLATION SWITCH AS REQUIRED TO INTERRUPT POWER TO NEW EQUIPMENT.

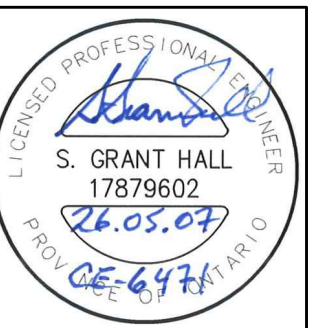
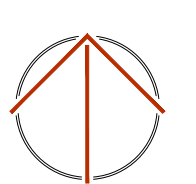
ELECTRICAL GENERAL NOTES: (APPLICABLE TO ALL DRAWINGS)

- ALL POWER AND SYSTEMS TO BE MADE SAFE AND DISCONNECTED, AS AND WHEN, AND TO THE EXTENT REQUIRED, TO FACILITATE WITH THE DEMOLITION.
- ENSURE THAT ALL ELECTRICAL, LIFE SAFETY SERVICES, AND SERVICES FOR EXISTING EQUIPMENT, IN AREAS OUTSIDE THE AREAS OF THIS WORK, THAT ARE REQUIRED TO REMAIN IN SERVICE, SHALL DO SO.
- ANY ELECTRICAL EQUIPMENT ON WALLS OR CEILINGS THAT WILL BE DEMOLISHED AND REBUILT TO BE REMOVED AND REPLACED.
- THE REUSE OF EXISTING WIRING AND CONDUIT PERMITTED WHERE IN GOOD CONDITION - SUBJECT TO CODE COMPLIANCE AND MEGGER TEST.

ELECTRICAL GENERAL DEMOLITION NOTES: (APPLICABLE TO ALL DRAWINGS)

- ALL FIXTURES AND DEVICES ARE EXISTING TO REMAIN UNLESS IDENTIFIED OTHERWISE ON THE DRAWINGS, GENERAL NOTES OR SPECIFICATIONS.
- REMOVE ALL UNUSED, ABANDONED OR REDUNDANT WIRING AND CONDUIT BACK TO SOURCE.
- EXTEND CONDUIT AND WIRING AS REQUIRED. TRACE EXISTING CIRCUITS PRIOR TO DEMOLITION. CONSULT WITH OWNER'S REPRESENTATIVE FOR ANY INTERRUPTIONS THIS MAY CAUSE DURING REMOVAL AND REINSTALLATION.
- ELECTRICAL TRADE TO DISPOSE OF ALL REMOVED DEVICES AND EQUIPMENT.

NORTH



DESIGN	BC	DRAWN	BC
CHECKED	SGH	REVIEWED	SGH

PROJECT

LOU JEFFRIES ARENA
DEHUMIDIFIER REPLACEMENT

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GANANOQUE, ON K7G 1H3

PROJECT NO.

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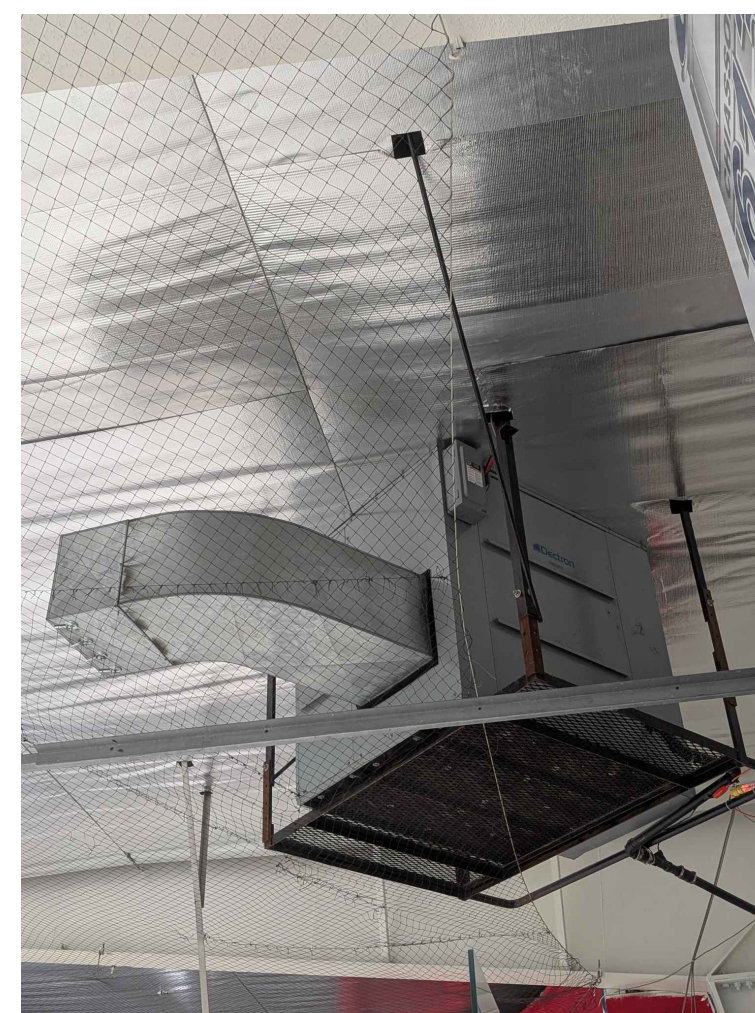
ELECTRICAL REMOVALS &
REPLACEMENT

DRAWING NUMBER

E2 OF 2



REFERENCE IMAGE - EXISTING DEHUMIDIFIER
WEST ELEVATION



REFERENCE IMAGE - EXISTING DEHUMIDIFIER
EAST ELEVATION