

PART 1 - ADDENDUM

1.1 TITLE

- .1 This Addendum shall be known as:

Addendum 1
TFM-027-26/OS-506-23 Ocean Science Centre AHU-2
Replacement

- .2 The Date of the Addendum is Friday, April 10, 2026

1.2 PRECEDENCE

- .1 This amendment to the bid documents is effective immediately.
- .2 This Addendum shall form an integral part of the original bid documents and is to be read in conjunction therewith.
- .3 The Addendum shall take precedence over previously issued bid documents with which it may prove to be at variance.

1.3 GENERAL

- .1 The General Conditions shall govern all phases of the Work covered by this Addendum.
- .2 Acknowledge receipt of this addendum in the Tender and Acceptance form.

1.4 PURPOSE

- .1 The purpose of the Addendum is to inform bidders of the changes, deletions and additions to be added to the bid documents.

1.5 CHANGES IN GENERAL

- .1 Remove General Section Appendix D – List of Subcontractors
.2 Replace with General Section Appendix D – List of Subcontractors
.3 Remove General Section 00 01 10 (p. 93)
.4 Replace with General Section 00 01 10 Table of Contents (p. 8)

1.6 CHANGES TO SPECIFICATION

- .1 Remove Specification Section 00 01 15 Drawings List
.2 Replace with updated Specification Section 00 01 15 Drawings List
.3 Remove Specification Section 01 14 00 Work Restrictions
.4 Replace with updated Specification Section 01 14 00 Work Restrictions
.5 Add Specification Section 01 31 19

1.7 CHANGES TO DRAWINGS

- .1 A-0 Cover page
 - .1 Add A-0 Cover Page to architectural drawings
 - .2 Remove drawing A-3
 - .3 Replace with drawing A-3

END OF ADDENDUM

Memorial University of Newfoundland

AIR HANDLER REPLACEMENT (AHU-2)

OCEAN SCIENCES CENTRE

Marine Lab Road, Logy Bay

APRIL, 2026

ISSUED FOR TENDER

LIST OF DRAWINGS

- A-1.0 - DEMOLISHING PLANS
- A-2.0 - NEW FLOOR PLANS
- A-3.0 - SECTIONS

OS-506-23 - ISSUED FOR TENDER

This University was raised by the people of Newfoundland as a memorial to the fallen in the great wars, 1914-1918, 1939-1945, that in freedom of learning, their cause and sacrifice might not be forgotten.

- Dedication plaque, Arts & Administration Building, St. John's Campus



**FACILITIES
MANAGEMENT**

APPENDIX D - LIST OF SUBCONTRACTORS

Herewith is the list of Subcontractors, Suppliers and/or Manufacturers referred to in Section no. **5.1 of Part 5 of the Open Call and Acceptance Form**. The Subcontractors and Suppliers whose bids have been used in the preparation of this Bid must be listed in full including work to be done by own forces (B.O.F.). By Own Forces will be considered valid and satisfactory only if, prior to award, the supplier provides three (3) current (< 3 years) references of satisfactory completion of trade work of similar **scale, scope and complexity** as that described within the Bid documents. Trade certifications may be requested in addition to the references above. The determination of suitability is entirely at the discretion of the owner and shall be based on submitted documentation. The owner may use their knowledge and understanding of experience and performance of the Contractor on past work in lieu of this submission. The list will be subject to the approval of the Owner.

NOTE: FAILURE TO COMPLETE THIS PORTION OF THE BID SUBMISSION SHALL RESULT IN DISQUALIFICATION.

The trades below, if listed, have been identified by the owner, however it is the Bidder’s responsibility to identify all applicable subtrades.

TRADE/DIVISION	SUBCONTRACTOR - SUPPLIER - MANUFACTURER
Hazardous Materials Abatement	
Demolition	
Concrete	
Metal Fabrications	
Plumbing	
HVAC	
Controls	
Electrical	
Architectural	

PROCUREMENT AND CONTRACTING DOCUMENTS GROUP

DIVISION 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS

Open Call for Bids – Cover Sheet	1
Request for Open Call for Bids (OCB) Information Sheet	1
About Memorial University	1
00 01 10 Table of Contents Stipulated Price Contract.....	2
00 01 15 List of Drawings	1

Open Call for Bids Strategic Procurement Sections

Part 1 – Submission Instructions.....	3
Part 2 – Evaluation and Award.....	2
Part 3 – Terms and Conditions of the OCB Process.....	7
Part 4 – Environmental Health and Safety Requirements.....	6
Part 5 – General Conditions.....	1
Part 6 – Supplementary Terms and Conditions	2
Appendix A – Specifications and Drawings.....	1
Appendix B – Submission Form.....	3
Appendix C1 – Pricing Form	1
Appendix C2 – Unit Rates.....	1
Appendix C3 – Furniture Bidding Table	1
Appendix D – List of Subcontractors.....	1
Appendix E – Project Reference (Roofing projects only)	3

General Conditions and Agreement between Owner and Contractor for the Stipulated Price Contract

Index	2
General Conditions	36
Supplementary General Conditions.....	2
Special Conditions	9
Campus Safety and Health Regulations	4
Contractor Performance Evaluation	3

Architectural

- A-1 Demolition Plans
- A-2 New Plans
- A-3 Section

Mechanical

- M-1.1 Partial Ground Floor Plan - Ventilation Demolition Layout
- M-2.1 Partial Ground Floor Plan - New Ventilation Layout
- M-2.2 New Ahu 3d Views
- M-2.3 Ahu Details
- M-3.1 Partial Basement and Ground Floor Plans - Piping Demolition Layout
- M-3.2 Partial Basement and Ground Floor Plans - New Piping Layout
- M-4.1 Partial Ground Floor Plan - Controls Layout
- M-5.1 Demolition and New Piping Flow Schematic
- M-6.1 Mechanical Details
- M-7.1 Control Schematics
- M-8.1 Mechanical Legend and Schedules

Electrical

- E1.1 Level 1 and 2 - Electrical Layout Demolition and New
- E2.1 Electrical Details
- E3.1 Electrical Controls

END OF SECTION

- PART 1 GENERAL
- 1.1 SECTION INCLUDES
- .1 Connecting to existing services.
 - .2 Special scheduling requirements.
- 1.2 RELATED SECTIONS
- .1 Section 01 35 30 – Infection Control
 - .2 Section 01 32 00 – Construct Progress Documentation.
 - .3 Section 01 56 00 - Temporary Barriers and Enclosures.
 - .4 Owner’s Policies as referenced herein.
- 1.3 EXISTING SERVICES
- .1 Notify Owner’s Representative and utility companies of intended interruption of services and obtain required permission.
 - .2 Where Work involves breaking into or connecting to existing services, give Owner’s Representative a notice of three (3) working days for necessary interruption of mechanical or electrical service throughout course of work. Keep duration of interruptions minimum. Carry out interruptions after normal working hours of occupants, preferably on weekends.
 - .3 Provide for pedestrian and vehicular traffic.
- 1.4 SCHEDULE OF WORK
- .1 Schedule all demolition, cutting and altering existing work, drilling and power activated hammering outside of normal operating office hours of 8:30 a.m. to 5:00 p.m. daily, Monday through Friday.
 - .2 Schedule all work in co-ordination with Ocean Science Centre Staff.
 - .3 Prepare work schedules and submit to the Owner for approval.
 - .4 Should the contractor not be able to complete the shutdown work in 2026 summer months, the contractor shall be responsible for preservation and storage of all equipment, ensuring the heating system is operational and all additional costs to complete the work in summer 2027.
- 1.5 USE OF AND ACCESS TO SITE
- .1 Contractor’s use of site is generally restricted as follows:

- .1 Storage of materials, set up of Contractor owned or leased plant, equipment, trailers, vehicles and the like is to be confined to sites and locations as designated by the Owner within the property boundaries of the facility.
 - .2 All employees of the Prime Contractor and those of his Sub-contractors and suppliers are to enter and exit the site using the shortest distance route available. In all cases, the Contractor is to carry out all work in accordance with Section 01 35 00 – Infection Control.
 - .3 Parking for vehicles owned or leased by the Contractor's employees and his subcontractor's employees is to be designated by the Owner and limited to the number of parking spaces which the Owner sets from time to time.
 - .4 Execute work with least possible interference or disturbance to normal use of premises. Make arrangements with Infrastructure Support Representative to facilitate work as stated.
 - .5 Maintain existing services to building and provide for personnel and vehicle access.
 - .6 Infrastructure Support Representative will assign sanitary facilities for use by Contractor's personnel. Keep facilities clean at all times.
 - .7 Use only existing elevators designated by Infrastructure Support for moving workers and material, where applicable.
 - .8 Protect walls of passenger elevators, to approval of Infrastructure Support Site Representative prior to use.
 - .9 Accept liability for any damages, safety of equipment and overloading of existing equipment.
-
- .2 The Contractor is to maintain security and separation barriers around the work areas.
 - .3 The Contractor is to ensure that all barriers are in compliance with Occupational Health and Safety Acts and Regulations, Infection Control, Owner Policies and Security requirements specified in other sections of the Contract Documents.
- 1.6 SPECIAL REQUIREMENTS
- .1 Ensure that Contractor personnel employed on site become familiar with and obey regulations including safety, fire, traffic, no smoking and security regulations.
 - .2 Keep within limits of work and avenues of ingress and egress as specified and as approved by the Infrastructure Support Representative.
 - .3 Ingress and egress of Contractor vehicles at site is limited to areas as designated by the Infrastructure Support Site Representative.
 - .4 Tie ins and shutdowns on High temperature Hot Water shall be coordinated with Ocean Science Centre Staff and MUN Annex Staff. Shutdowns shall be planned well in advance and shall coincide

with Annex planned shutdowns. The contractor should not plan on being able to have a shutdown specifically for this work and must plan around Annex planned shutdowns.

- .5 Tie ins and shutdowns on Heating water systems shall be coordinated with Ocean Science Centre Staff. Shutdowns shall be coordinated to ensure that systems relying on hot water for heating and tempering/reheating are accommodated and that owner operations can continue uninterrupted.

PART 2 PRODUCTS (NOT APPLICABLE)

PART 3 EXECUTION (NOT APPLICABLE)

END OF SECTION

PART 1 - GENERAL

1.1 RELATED REQUIREMENTS

- .1 Section 01 32 16.19 Construction Progress Schedule-Bar (Gantt Chart)
- .2 Section 01 33 00 - Submittal Procedures
- .3 Section 01 77 00 - Closeout Procedures
- .4 Section 01 78 00 - Closeout Submittals

1.2 ADMINISTRATIVE

- .1 Schedule and administer project meetings throughout the progress of the work at the call of Departmental Representative.
- .2 Prepare agenda for meetings.
- .3 Distribute written notice of each meeting four days in advance of meeting date to Departmental Representative.
- .4 Provide physical space and make arrangements for meetings.
- .5 Preside at meetings.
- .6 Record the meeting minutes. Include significant proceedings and decisions. Identify actions by parties.
- .7 Reproduce and distribute copies of minutes within three days after meetings and transmit to meeting participants and, affected parties not in attendance.
- .8 Representative of Contractor, Subcontractor and suppliers attending meetings will be qualified and authorized to act on behalf of party each represents.

1.3 PRECONSTRUCTION MEETING

- .1 Within 15 days after award of Contract, request a meeting of parties in contract to discuss and resolve administrative procedures and responsibilities.
- .2 Departmental Representative, Contractor, major Subcontractors, field inspectors and supervisors will be in attendance.
- .3 Establish time and location of meeting and notify parties concerned minimum 5 days before meeting.
- .4 Incorporate mutually agreed variations to Contract Documents into Agreement, prior to signing.
- .5 Agenda to include:
 - .1 Appointment of official representative of participants in the Work.
 - .2 Schedule of Work: in accordance with Section 01 32 16.19 –Construction Progress Schedule-Bar (Gantt) Chart.
 - .3 Schedule of submission of shop drawings, samples, colour chips. Submit submittals in accordance with Section 01 33 00 – Submittal Procedures.

- .4 Site security in accordance with Section 01 56 00 – Temporary Barriers and Enclosures.
- .5 Proposed changes, change orders, procedures, approvals required, mark-up percentages permitted, time extensions, overtime, administrative requirements.
- .6 Owner provided products.
- .7 Record drawings in accordance with Section 01 33 00 – Submittal Procedures.
- .8 Maintenance manuals in accordance with Section 01 78 00 – Closeout Submittals.
- .9 Take-over procedures, acceptance, warranties in accordance with Section 01 78 00 – Closeout Submittals.
- .10 Monthly progress claims, administrative procedures, photographs, hold backs.
- .11 Appointment of inspection and testing agencies or firms.
- .12 Insurances, transcript of policies.

1.4 PROGRESS MEETINGS

- .1 During course of Work and 3 weeks prior to project completion, schedule progress meetings monthly.
- .2 Contractor, major Subcontractors involved in Work and Departmental Representative are to be in attendance.
- .3 Notify parties minimum 7 days prior to meetings.
- .4 Record minutes of meetings and circulate to attending parties and affected parties not in attendance within 5 days after meeting.
- .5 Agenda to include the following:
 - .1 Review, approval of minutes of previous meeting.
 - .2 Review of Work progress since previous meeting.
 - .3 Field observations, problems, conflicts.
 - .4 Problems which impede construction schedule.
 - .5 Review of off-site fabrication delivery schedules.
 - .6 Corrective measures and procedures to regain projected schedule.
 - .7 Revision to construction schedule.
 - .8 Progress schedule, during succeeding work period.
 - .9 Review submittal schedules: expedite as required.
 - .10 Maintenance of quality standards.
 - .11 Review proposed changes for affect on construction schedule and on completion date.
 - .12 Other business.

PART 2 - PRODUCTS

2.1 NOT USED

.1 Not Used.

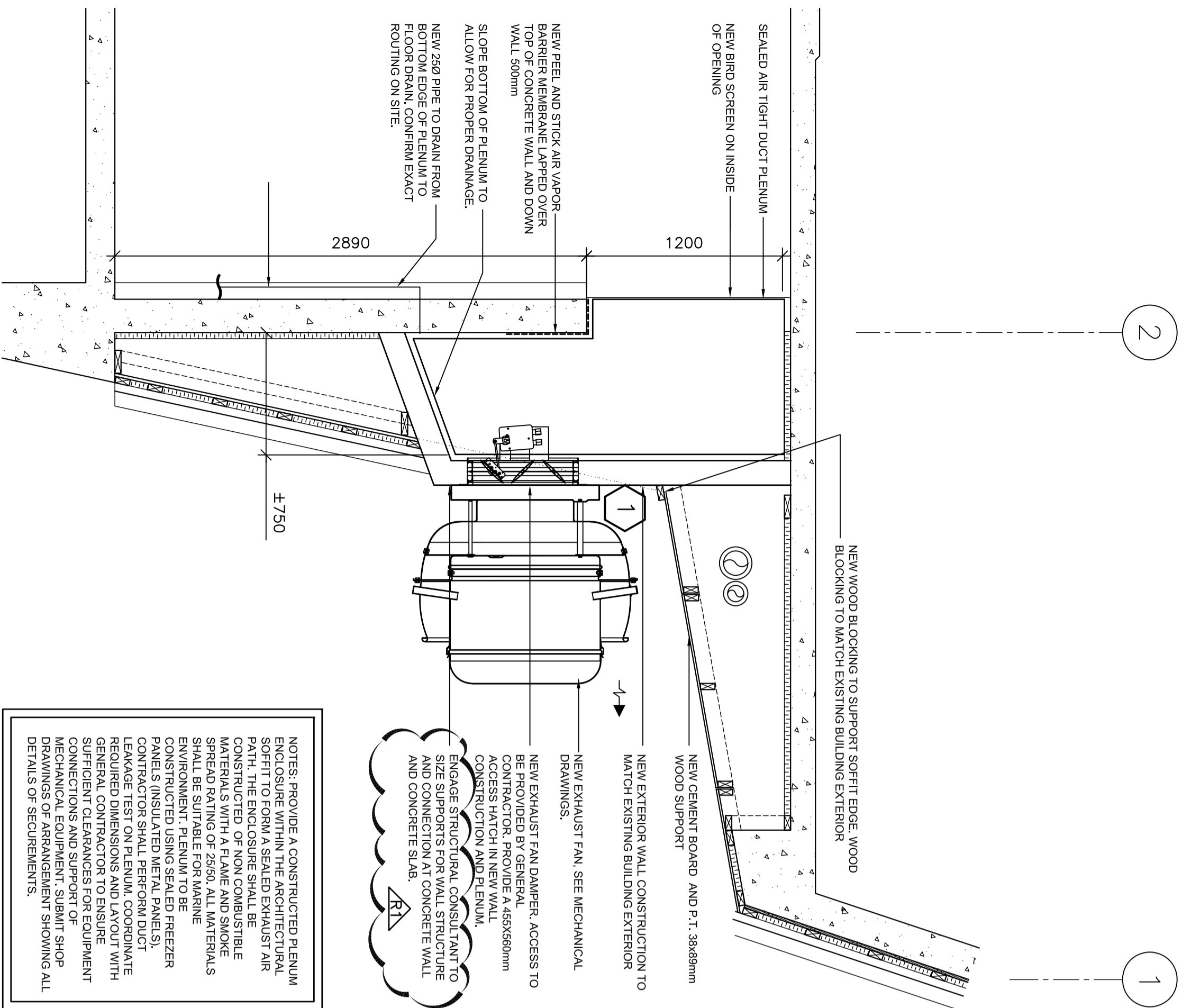
PART 3 - EXECUTION

3.1 NOT USED

.1 Not Used.

END OF SECTION

- WALL TYPES: #**
- WALL TYPE 1:**
- 2" X 5" WOOD BATTENS AT 10" O.C.
 - 10" VERTICAL WOOD SIDING 10" WIDE
 - 2" X 4" NAILING STRIP AT 16" O.C.
 - 2" FIBERGLASS INSULATION
 - 1" PLYWOOD
 - WALL STRUCTURE SUPPORT (FAN WEIGHT 222LBS)

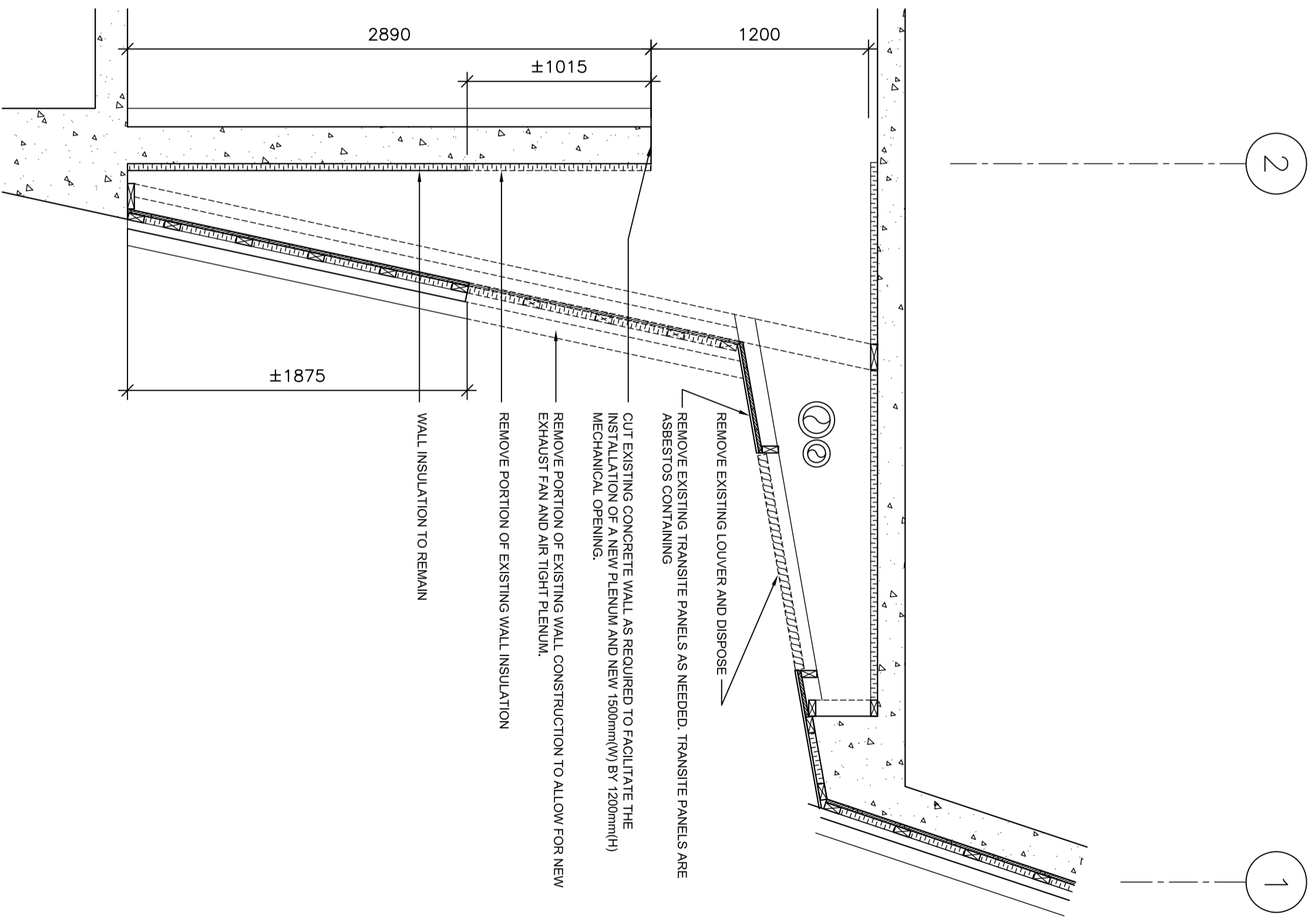


NEW EXHAUST FAN, SEE MECHANICAL DRAWINGS.

NEW EXHAUST FAN DAMPER, ACCESS TO BE PROVIDED BY GENERAL CONTRACTOR, PROVIDE A 455x580mm ACCESS HATCH IN NEW WALL CONSTRUCTION AND PLENUM.

ENGAGE STRUCTURAL CONSULTANT TO SIZE SUPPORTS FOR WALL STRUCTURE AND CONNECTION AT CONCRETE WALL AND CONCRETE SLAB.

NOTES: PROVIDE A CONSTRUCTED PLENUM ENCLOSURE WITHIN THE ARCHITECTURAL SOFFIT TO FORM A SEALED EXHAUST AIR PATH. THE ENCLOSURE SHALL BE CONSTRUCTED OF NON COMBUSTIBLE MATERIALS WITH A FLAME AND SMOKE SPREAD RATING OF 25/50. ALL MATERIALS SHALL BE SUITABLE FOR MARINE ENVIRONMENT. PLENUM TO BE CONSTRUCTED USING SEALED FREEZER PANELS (INSULATED METAL PANELS). CONTRACTOR SHALL PERFORM DUCT LEAKAGE TEST ON PLENUM, COORDINATE REQUIRED DIMENSIONS AND LAYOUT WITH GENERAL CONTRACTOR TO ENSURE SUFFICIENT CLEARANCES FOR EQUIPMENT CONNECTIONS AND SUPPORT OF MECHANICAL EQUIPMENT. SUBMIT SHOP DRAWINGS OF ARRANGEMENT SHOWING ALL DETAILS OF SECUREMENTS.



REMOVE EXISTING LOUVER AND DISPOSE

REMOVE EXISTING TRANSITE PANELS AS NEEDED. TRANSITE PANELS ARE ASBESTOS CONTAINING

CUT EXISTING CONCRETE WALL AS REQUIRED TO FACILITATE THE INSTALLATION OF A NEW PLENUM AND NEW 1500mm(W) BY 1200mm(H) MECHANICAL OPENING.

REMOVE PORTION OF EXISTING WALL CONSTRUCTION TO ALLOW FOR NEW EXHAUST FAN AND AIR TIGHT PLENUM.

REMOVE PORTION OF EXISTING WALL INSULATION

WALL INSULATION TO REMAIN

NEW WALL SECTION OSC-2002
SCALE: 1:25

DEMO WALL SECTION OSC-2002
SCALE: 1:25

No.	REVISION	DATE
R1	ISSUED FOR TENDER	APRIL, 2026
R0	ISSUED FOR TENDER	APRIL, 2026

GENERAL NOTES

1. DRAWINGS TO BE READ AS A SET.
2. DO NOT SCALE FROM DRAWINGS.
3. THE CONTRACTOR IS TO VERIFY ALL DIMENSIONS AND SITE CONDITIONS. PRIOR TO SUBMISSION OF TENDERS.
4. ALL DISCREPANCIES FOUND IN THESE DRAWINGS TO BE BROUGHT TO THE ATTENTION OF STRATEGIC PROCUREMENT MANAGEMENT PRIOR TO SUBMISSION OF TENDERS.

STAMP:

PROJECT TITLE:
**OCEAN SCIENCE CENTER:
AIR HANDLING UNIT 2
REPLACEMENT**

DRAWING TITLE:
WALL SECTIONS

REVIEWED: J.A.
SCALE: AS SHOWN

DRAWN: D.C.
DATE: APRIL, 2026

MUN PROJECT No. **OSC-506-23**
DRAWING No. **A-3.0**

FACILITIES MANAGEMENT
MEMORIAL UNIVERSITY

This University was raised by the people of Newfoundland as a memorial to the fallen in the great wars, 1914-1918, 1939-1945, that in freedom of learning, their cause and sacrifice might not be forgotten.

- Dedication plaque, Arts & Administration Building, St. John's Campus