

GOC6533145-DFO-INUVIK OFFICE-INSTALL NEW FUME HOOD 01/22/2026

Public Works and
Government Services
Canada

Travaux Publics et
Services gouvernementaux
Canada

BGIS

INUVALUIT
DEVELOPMENT CORPORATION

LIST OF GENERAL DRAWINGS



G01 COVER SHEET

LIST OF MECHANICAL DRAWINGS



G01 COVER SHEET
M01 LEGEND, SCHEDULES, DETAILS
M02 MECHANICAL DEMOLITION PLAN
M03 MECHANICAL CONSTRUCTION PLAN

LIST OF ELECTRICAL DRAWINGS



E01 ELECTRICAL DEMOLITION PLAN
E02 ELECTRICAL CONSTRUCTION PLAN

LOCATION PLAN



Map data ©2025 Google Imagery ©2025 Airbus, Maxar Technologies



0 10 20mm 40 60 80 100 120 140 160 180 200mm

B	ISSUED FOR TENDER	JAN/22 2026
A	ISSUED FOR 90% REVIEW	NOV/21 2025
revisions		date
project		projet

DFO-INUVIK OFFICE-
INSTALL NEW FUME HOOD

drawing dessin

COVERSHEET

designed	SA	conçu
date	2025.10.27	
drawn	SA	dessiné
date	2025.10.27	
approved	DB	approuvé
date		
Tender		Soumission
JH		
PWGSC Project Manager		Administrateur de projets TPSC
project number		no. du projet
GOC6533145		
drawing no.		no. du dessin
G01		

MECHANICAL SYMBOLS SCHEDULE

HEATING & COOLING	
GLS	GLYCOL SUPPLY
GLR	GLYCOL RETURN
CONTROLS	
—	CONTROL WIRING
—	GENERIC CONTROL DEVICE
—	THERMOSTAT
—	HUMIDISTAT
—	ELECTRIC SWITCH
—	TEMPERATURE SENSOR
—	FLOW SWITCH
—	PRESSURE SWITCH
—	FLOW ELEMENT
—	PRESSURE INDICATOR
—	PRESSURE TRANSDUCER
—	TEMPERATURE INDICATOR
—	TEMPERATURE TRANSMITTER
TAGS & LABELS	
QTY. TAG	EQUIPMENT/FIXTURE TAG
QTY. TAG	AIR TERMINAL TAG
SIZE FLOW	
—	DETAIL TAG
—	SECTION TAG
GENERAL NOTES	
<p>1. ALL WORK SHALL BE IN STRICT ACCORDANCE WITH THE CURRENT NATIONAL BUILDING CODE OF CANADA, NATIONAL FIRE CODE, NATIONAL PLUMBING CODE, AND AUTHORITY HAVING JURISDICTION.</p> <p>2. ALL EXISTING CONDITIONS SHOWN ARE FOR REFERENCE ONLY. CONTRACTOR TO VERIFY ALL SITE CONDITIONS AS REQUIRED AND ADVISE CONSULTANT OF ANY CONFLICTS THAT MAY EXIST.</p> <p>3. INSTALL DUCTING AND EQUIPMENT GENERALLY IN LOCATIONS AND ROUTING SHOWN. RUN DUCTING CLOSE TO BUILDING STRUCTURE, PARALLEL TO BUILDING LINES TO MAXIMIZE HEAD ROOM AND WITH MINIMUM INTERFERENCE WITH OTHER SERVICES AND FREE SPACE.</p> <p>4. THE MECHANICAL PLANS ARE DIAGRAMMATIC IN NATURE AND DO NOT ATTEMPT TO SHOW ALL REQUIRED OFFSETS. CONFIRM ON-SITE EXACT ROUTING OF FIRE SUPPRESSION, PLUMBING, AND MECHANICAL SYSTEMS AND COMPONENTS.</p> <p>5. CONTRACTOR TO INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH LOCAL AND NATIONAL CODES AND REGULATIONS AND TO MANUFACTURER INSTALLATION REQUIREMENTS.</p> <p>6. SUPPLY AND INSTALL ALL FIRE STOPPING MATERIAL AND ENSURE THAT ALL FIRE PENETRATIONS ARE PROTECTED AS REQUIRED BY THE NATIONAL BUILDING CODE OF CANADA AND THE AUTHORITY HAVING JURISDICTION.</p> <p>7. CONTRACTOR TO VERIFY EXACT COUNTS AND LOCATIONS OF ALL EXISTING CONTROL VALVES, THERMOSTATS, AND CONTROLLERS ON SITE PRIOR TO CLOSE OF TENDER. NOTIFY DEPARTMENTAL REPRESENTATIVE AND CONSULTANT FOR ANY DISCREPANCIES OR FOR CLARIFICATIONS OF SCOPE.</p> <p>8. CONTRACTOR TO RETAIN SERVICES OF A SEISMIC ENGINEER, LICENSED TO PRACTICE IN THE NORTHWEST TERRITORIES, TO PROVIDE A SIGNED AND SEALED DESIGN OF SEISMIC RESTRAINT SYSTEM REQUIRED. SUBMIT ALL SEISMIC RESTRAINT SYSTEM DRAWING FOR REVIEW.</p> <p>9. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE INDICATED.</p>	
PIPING & ACCESSORIES	
—	DIRECTION OF FLOW
—	PIPE/DUCT SLOPE DIRECTION
—	PIPE ELBOW DOWN
—	PIPE ELBOW UP
—	PIPE TEE DOWN
—	PIPE TEE UP
—	PIPE TEE
—	PIPE BREAK
—	PIPE ENCAP/PLUG
—	PIPE REDUCER
—	UNION CONNECTION
—	FLANGE CONNECTION
—	FLEXIBLE CONNECTION
—	CONNECTION TO EXISTING
—	GATE VALVE
—	BALL VALVE
—	BUTTERFLY VALVE
—	CHECK VALVE
—	PRESSURE REDUCING VALVE
—	BALANCING VALVE
—	2-WAY MOTORIZED CONTROL VALVE
—	3-WAY MOTORIZED CONTROL VALVE
—	STRAINER
—	SUCTION DIFFUSER STRAINER
—	PRESSURE RELIEF VALVE
—	MAV
—	MANUAL AIR VENT
—	PETE'S PLUG
—	THERMOMETER W/ WELL/TAP
—	TEMPERATURE GAUGE W/ WELL/TAP
—	PRESSURE GAUGE

VENTILATION

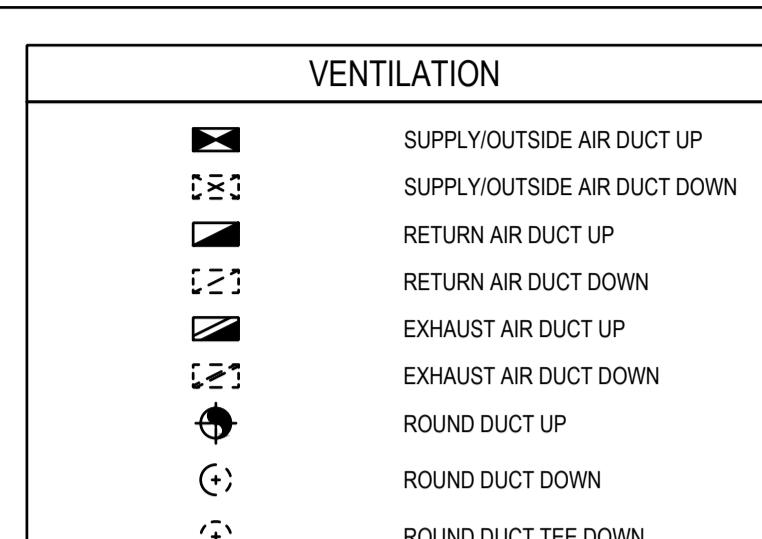
SUPPLY/OUTSIDE AIR DUCT UP
SUPPLY/OUTSIDE AIR DUCT DOWN
RETURN AIR DUCT UP
RETURN AIR DUCT DOWN
EXHAUST AIR DUCT UP
EXHAUST AIR DUCT DOWN
ROUND DUCT UP
ROUND DUCT DOWN
ROUND DUCT TEE DOWN
ROUND DUCT BREAK
SQUARE DUCT BREAK
DUCT ENDCAP
BALANCING DAMPER
FIRE DAMPER
MOTORIZED DAMPER
ACOUSTIC INSULATION
DUCT INSULATION
AIRFLOW DIRECTION
SQUARE DIFFUSER
ROUND DIFFUSER
LINEAR DIFFUSER
CEILING GRILLE - SUPPLY
CEILING GRILLE - RETURN
CEILING GRILLE - EXHAUST
SIDEWALL GRILLE - SUPPLY
SIDEWALL GRILLE - RETURN/EXHAUST

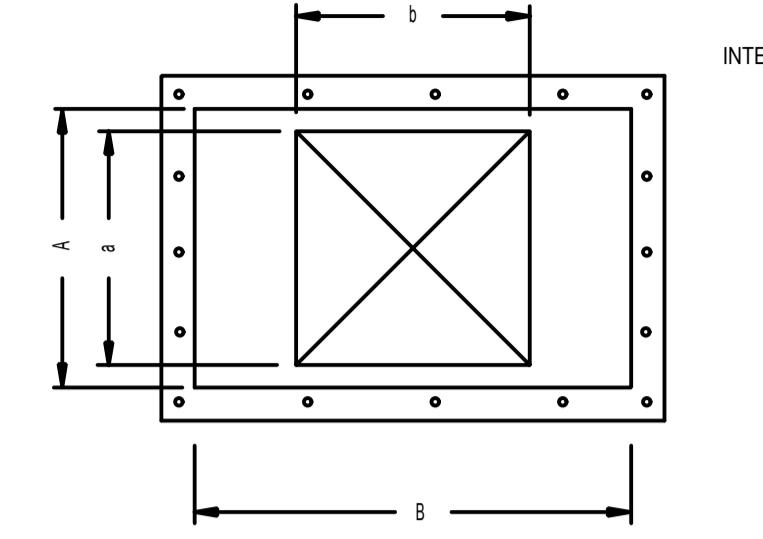
GENERAL NOTES:

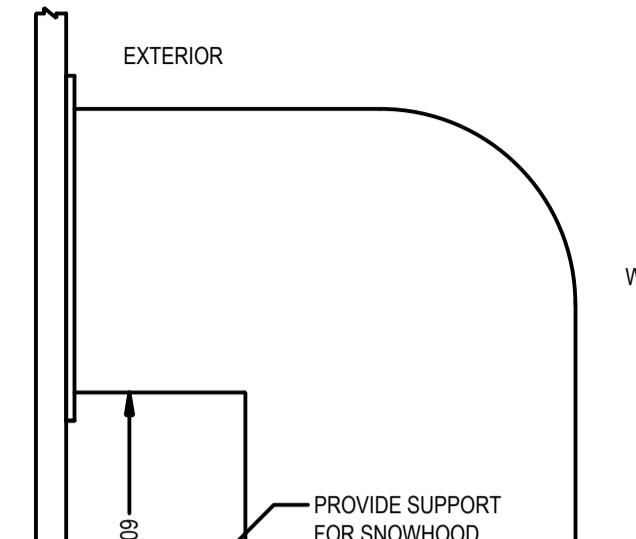
- PAINT HOOD TO MATCH BUILDING COLOR
- HOOD TO BE CONSTRUCTED OF 20 GAUGE ALUMINUM.
- SCREEN TO BE CONSTRUCTED FROM 16 GAUGE WIRE MESH SQUARE WITH 25mm x 25mm OPENINGS.

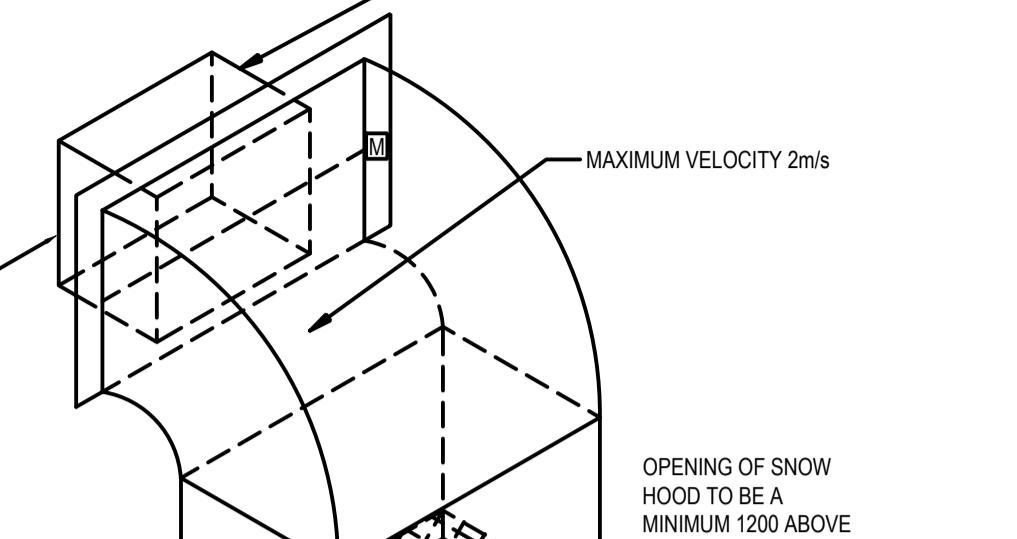
PIPING & ACCESSORIES

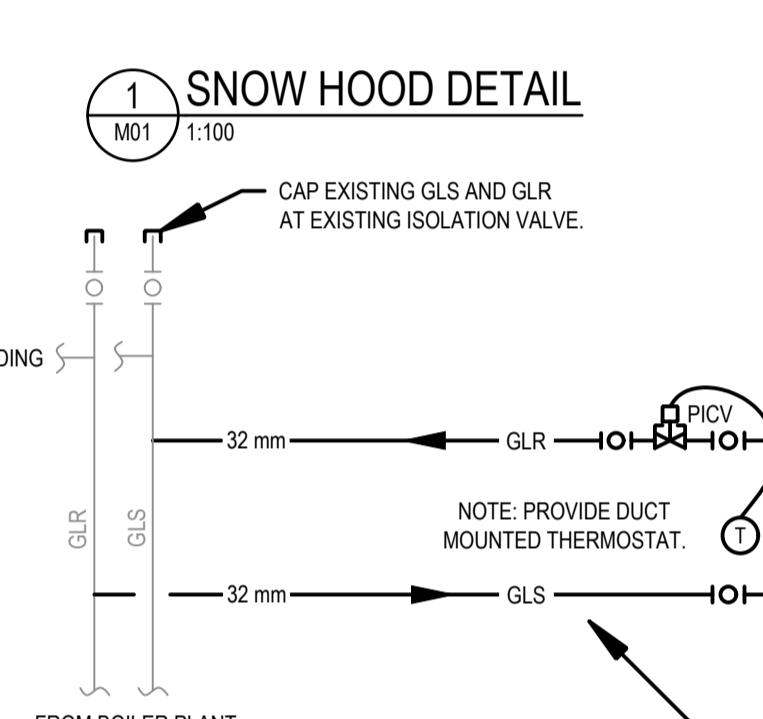
DIRECTION OF FLOW
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PIPE BREAK
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PRESSURE GAUGE



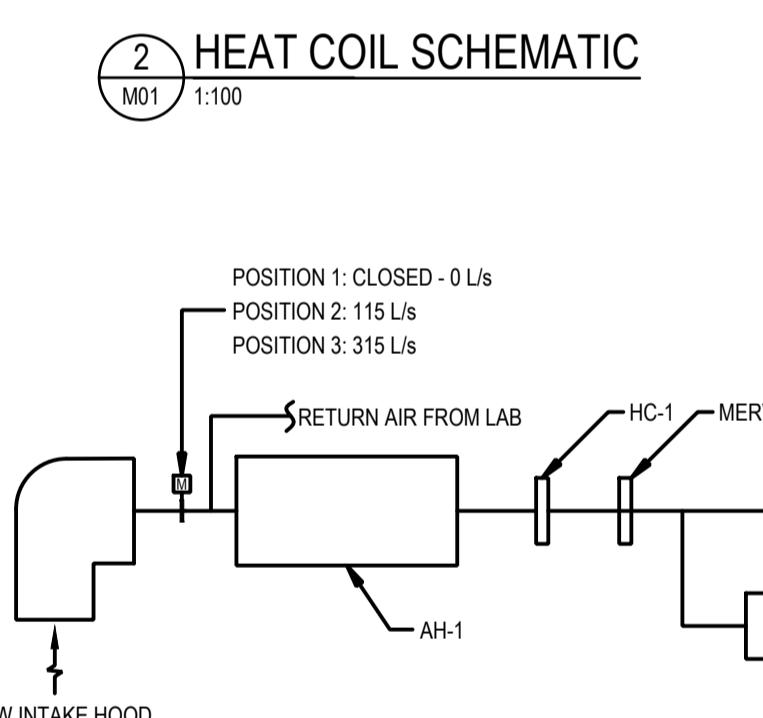


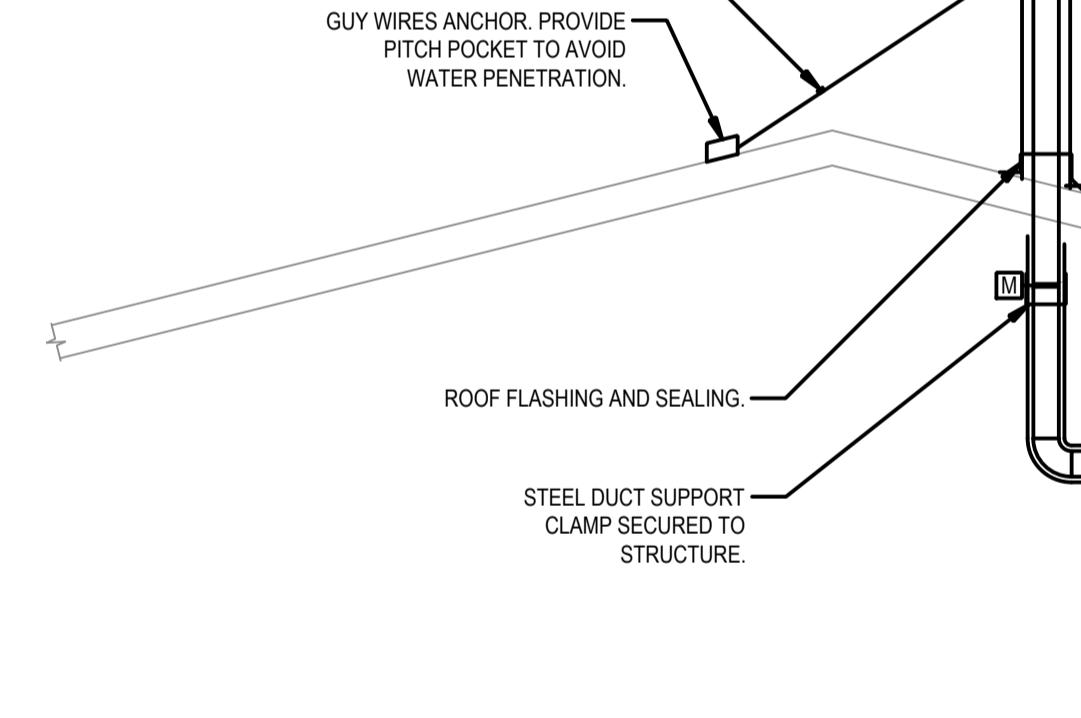










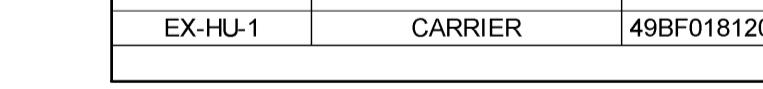


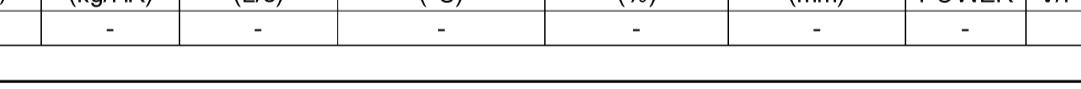




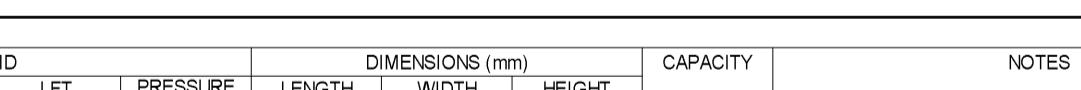




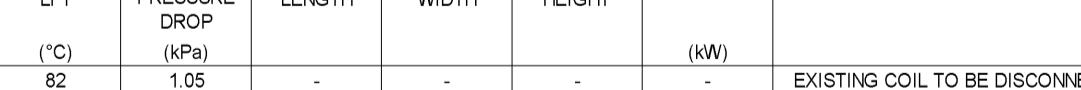




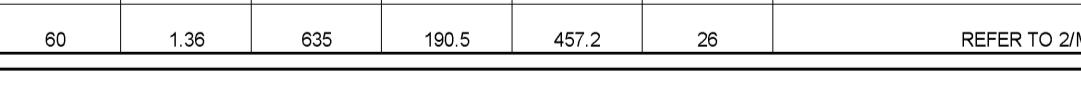




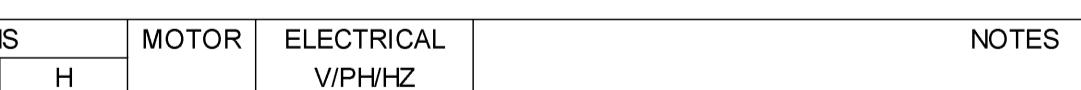




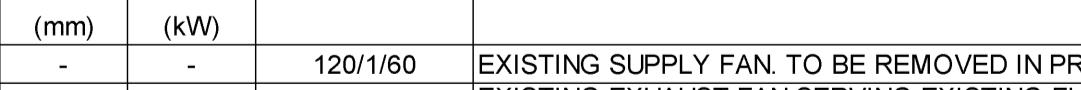


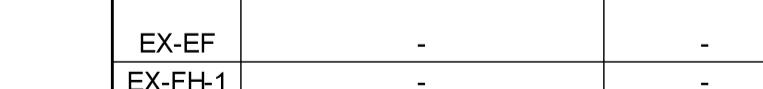




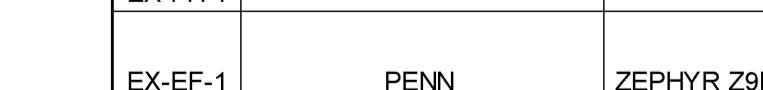


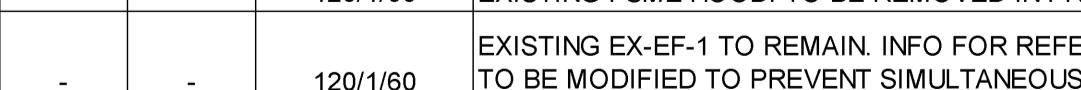


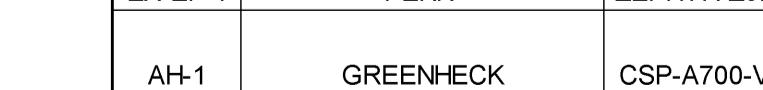












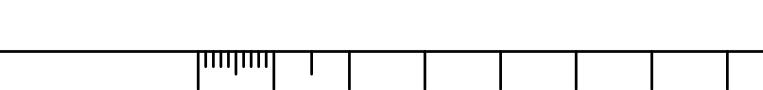


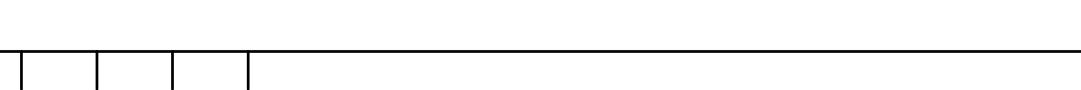








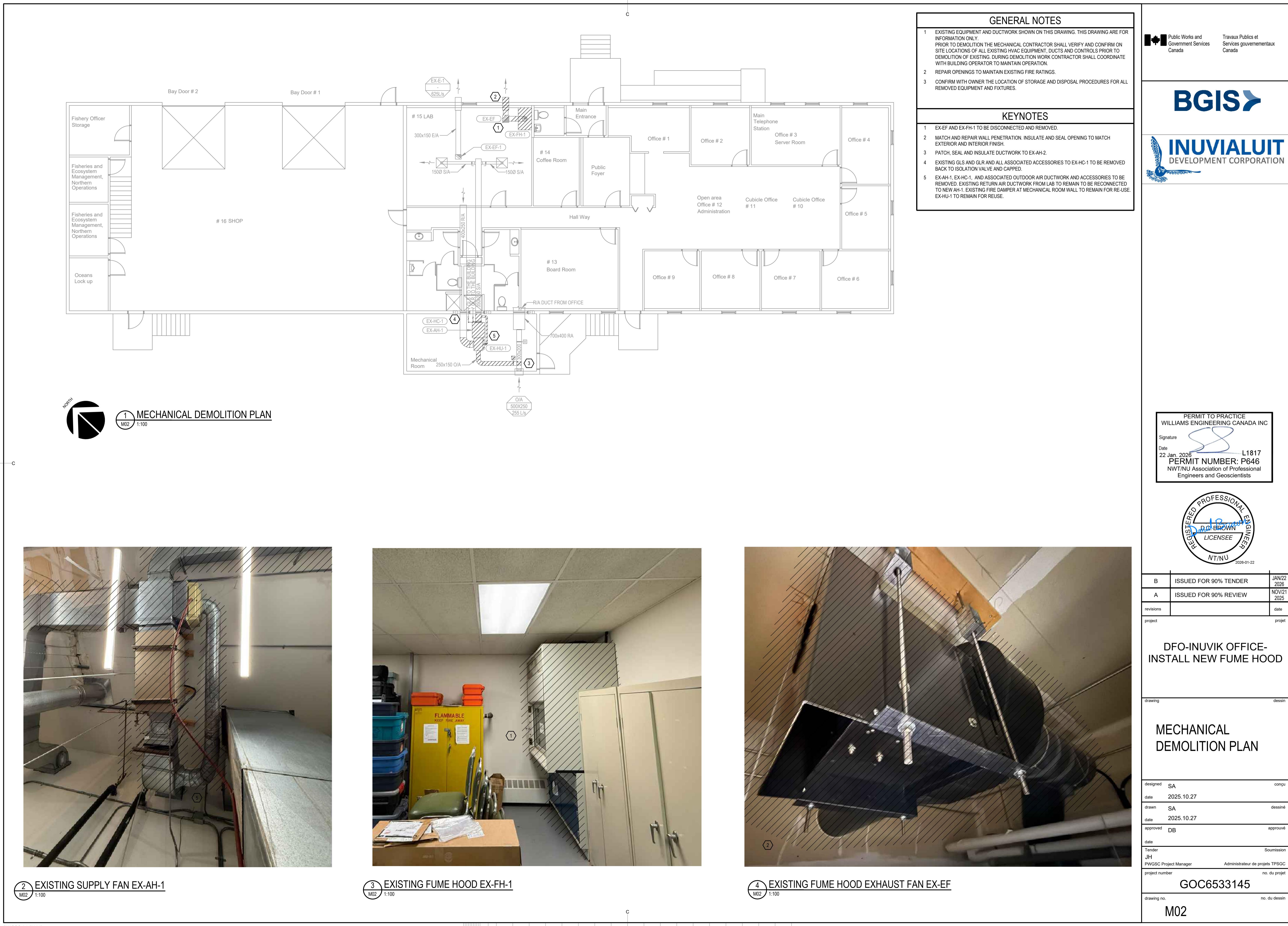


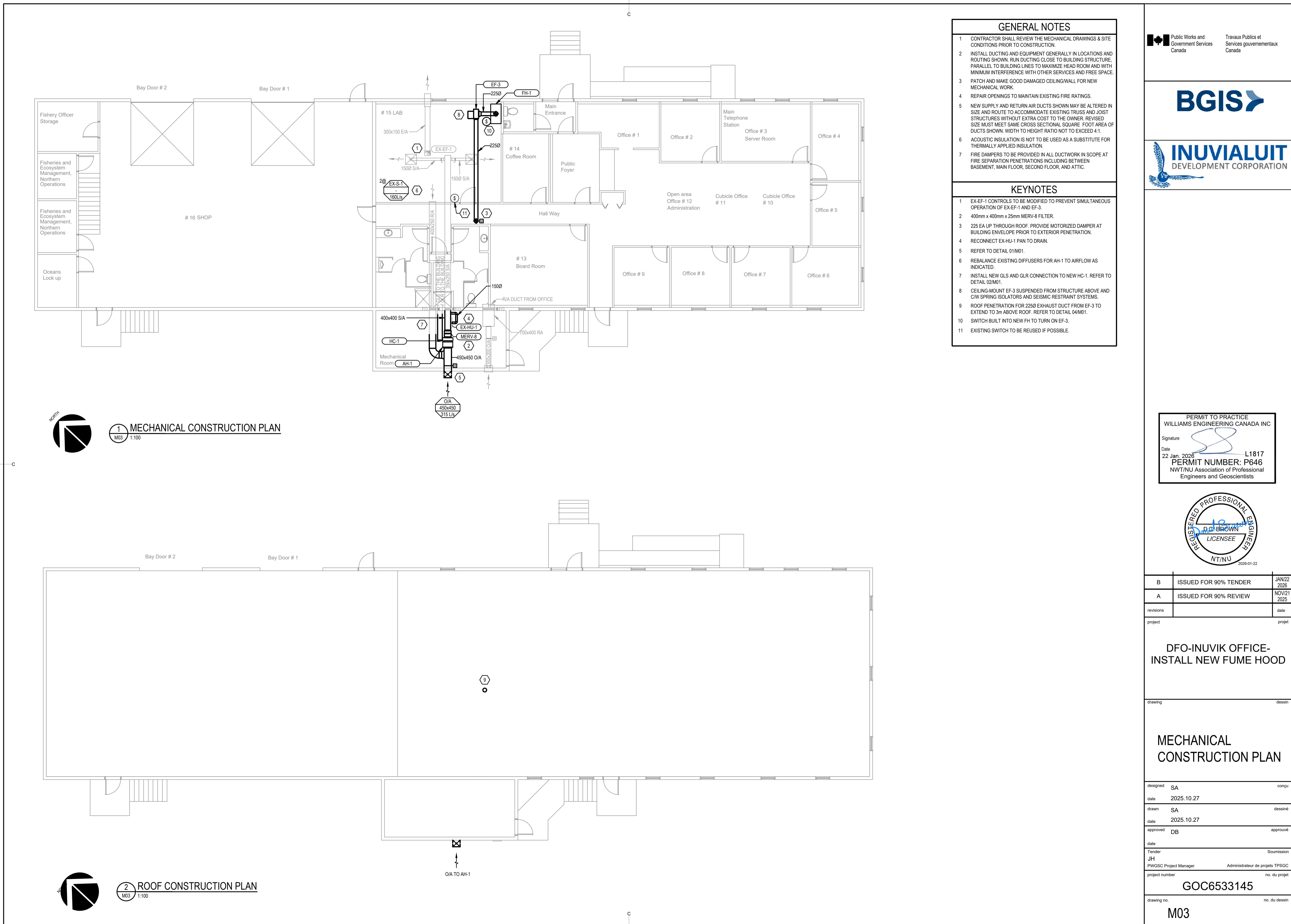






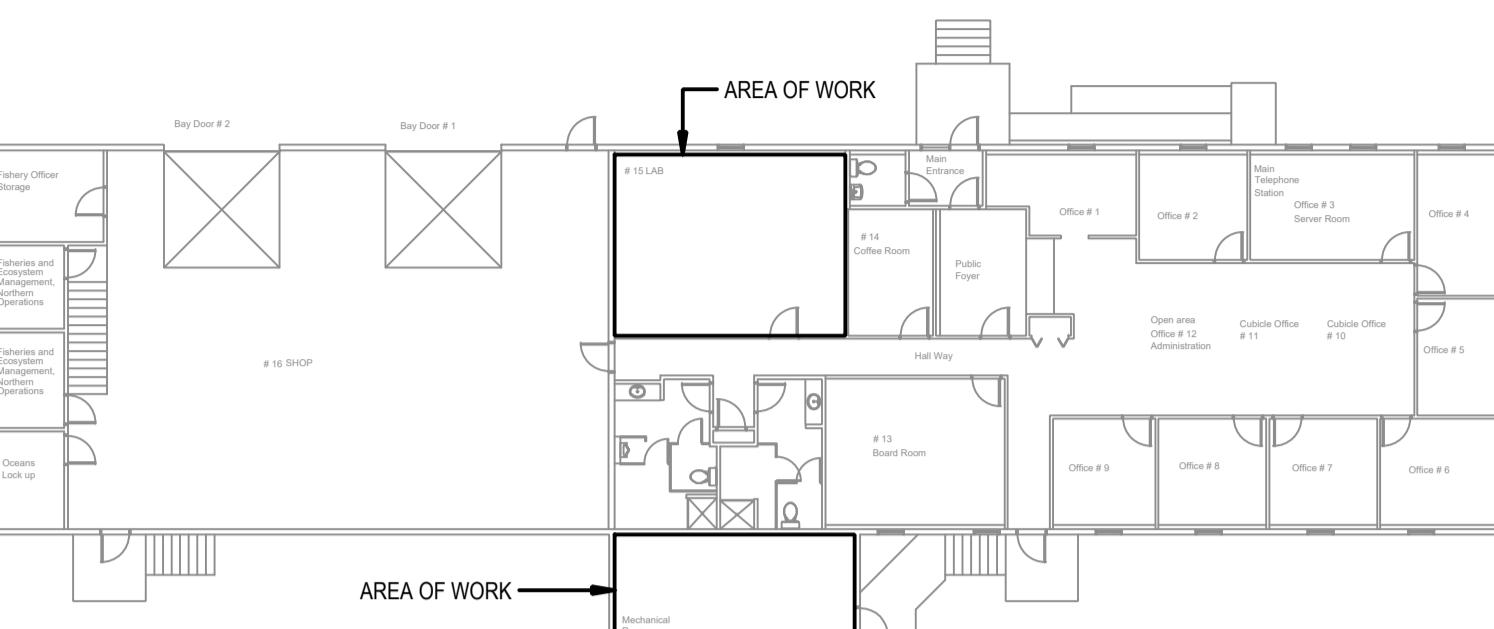
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POWER	
SYMBOL	DESCRIPTION
	MOTOR & DISCONNECT
	DISCONNECT
	ELECTRICAL POWER PANEL - SURFACE OR FLUSH AS INDICATED
	EQUIPMENT TAG

ABBREVIATIONS	
SYMBOL	DESCRIPTION
EX	EXISTING DEVICE TO REMAIN
RM	REMOVE EXISTING DEVICE
ER	EXISTING DEVICE IN RELOCATED POSITION
N	NEW DEVICE
AFG	ABOVE FINISHED GRADE
BMS	BUILDING MANAGEMENT SYSTEM
TYP	TYPICAL



1 KEY PLAN
E01 1:250

GENERAL NOTES

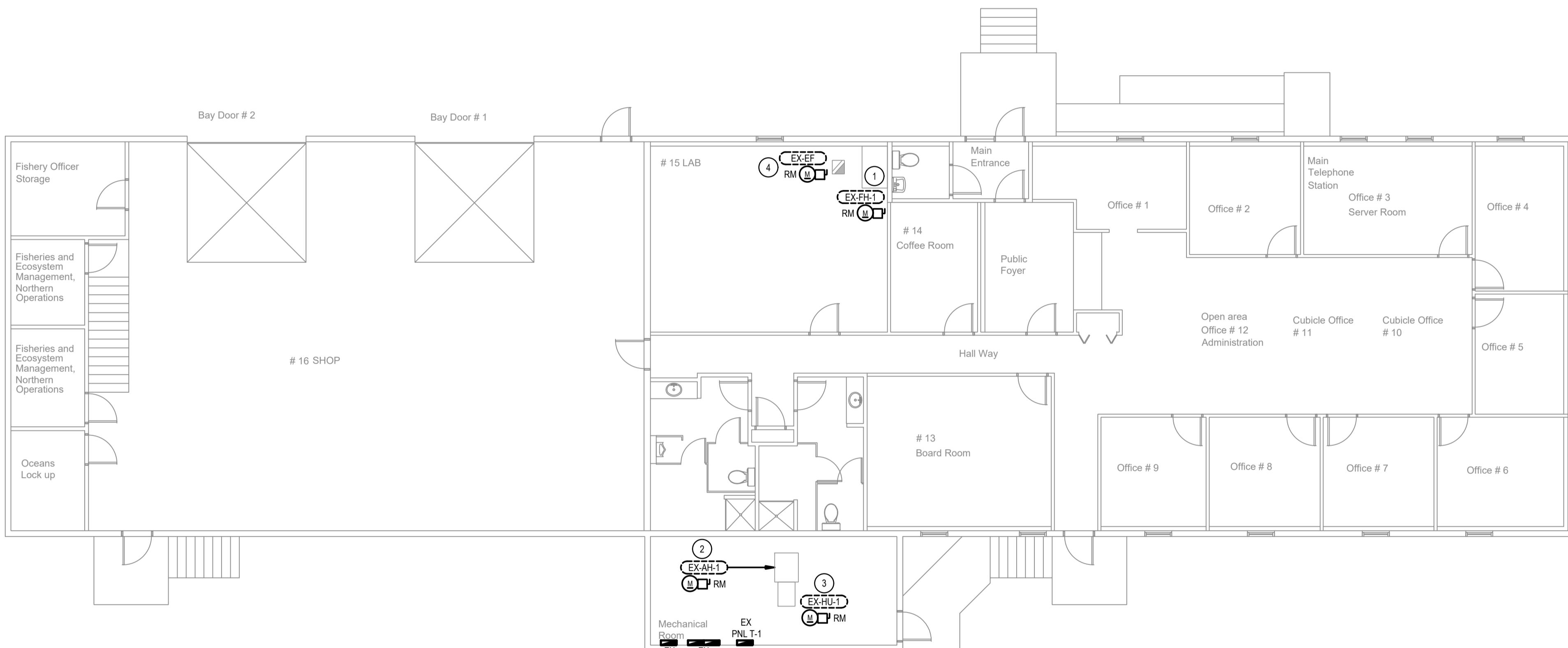
- 1 ALL WORK SHALL BE AS PER NATIONAL, TERRITORIAL, & MUNICIPAL CODES & REGULATIONS & ALL AUTHORITIES HAVING JURISDICTION.
- 2 DRAWINGS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES. CONTRACTOR SHALL NOTIFY ENGINEER OF ALL DISCREPANCIES.
- 3 THE OWNER OR A REPRESENTATIVE(S) SHALL HAVE ACCESS TO THE WORK IN PROGRESS AT ALL TIMES AND SHALL RESERVE THE RIGHT TO INSPECT THIS WORK AT ANY TIME FOR COMPLIANCE WITH ALL REQUIREMENTS OF THE SPECIFICATION. HE OR SHE SHALL ALSO RESERVE THE RIGHT TO APPROVE EACH PHASE OF THE WORK BEFORE FURTHER WORK MAY BE DONE, TO HALT ALL WORK DEEMED TO BE IMPROPER OR NOT IN COMPLIANCE WITH THE PROJECT, AND TO REQUIRE THAT THE CONTRACTOR PROMPTLY CORRECT ALL IMPROPER PRACTICES AND DEFECTIVE OR DEFICIENT WORK.
- 4 EXISTING LAB FUME HOOD AND MECHANICAL ROOM FANS TO BE REPLACED WITH NEW. RE-USE EXISTING WIRING, BREAKERS, AND DISCONNECT SWITCHES ON FIELD VERIFICATION THAT CONDUCTOR SIZE, INSULATION RATING AND OVERCURRENT PROTECTION ARE ADEQUATE FOR THE NEW EQUIPMENT. CONTRACTOR TO UPGRADE WIRING/PROTECTION WHERE EXISTING INFRASTRUCTURE IS NOT ADEQUATE.

KEYNOTES

- 1 CONTRACTOR TO CONFIRM CIRCUIT AND PANEL OF ORIGIN FOR EXISTING LAB FUME HOOD. CONNECT NEW FUME HOOD TO EXISTING CIRCUIT. RE-USE EXISTING CIRCUIT AND WIRING TO INSTALL NEW LAB FUME HOOD.
- 2 DISCONNECT POWER FROM EXISTING EX-HU-1 UNIT.
- 3 DISCONNECT POWER FROM EX-EF UNIT. RE-USE EXISTING WIRING. LOCAL DISCONNECT, AND OVERCURRENT PROTECTION FOR NEW EF-3.

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DEVELOPMENT CORPORATION



2 DEMOLITION PLAN
E01 1:100

PERMIT TO PRACTICE
WILLIAMS ENGINEERING CANADA INC
Signature
Date 22 Jan. 2026 L1817
PERMIT NUMBER: P646
NWT/NU Association of Professional
Engineers and Geoscientists



B	ISSUED TENDER	JAN/22
A	ISSUED FOR 90% REVIEW	NOV/21
revisions		date
project		projet

INUVIK OFFICE FUME HOOD

drawing dessin

ELECTRICAL DEMOLITION PLAN

designed	JT	conçu
date	2025.10.27	
drawn	JT	dessiné
date	2025.10.27	
approved	JP	approuvé
date	2026.01.07	
Tender	TH	Soumission
Project Manager	Administrator of projects TPSGC	
project number		no. du projet
drawing no.		no. du dessin
		E01

