
Date: April 24, 2026

This Addendum varies the Bidding and Contract Documents dated March 26, 2026 and titled:

Project Name: UHN – Lab Histology Ventilation Upgrade
Project Number: 115625050

This Addendum shall form part of the Contract Documents and is to be read, interpreted and coordinated with all other parts. The cost of all work contained herein shall be included in the Contract sum. The following revisions supersede the information contained in the original specifications and drawings issued for the above-named project. Acknowledge receipt of this Addendum by inserting its number in the STIPULATED PRICE BID FORM.

1.0 GENERAL

1.1 ARCHITECTURAL:

Refer to A-500 for approximate location of new added exhaust in the roof, and additional work needed to accommodate new duct in the washroom in Level 2.

1.2 MECHANICAL:

Please refer to attached new mechanical drawing M-104 (Roof – HVAC Renovation Plan) for addition of secondary (standby) exhaust fan serving the Histology exhaust.

New exhaust fan (EF-7B) to be installed adjacent to the existing exhaust fan (EF-7). Refer to the “Exhaust Fan Schedule” in M-104 for new equipment specifications. Refer to “General Notes” in M-104 for construction notes and sequence of operations.

1.3 ELECTRICAL:

The electrical drawings are updated to capture the scope of work involving changing the power supply to the existing Histology fan EF-7 to essential electrical panel CP1 and adding power supply to new fan EF-7B (standby) from panel CP1.

Please find attached drawings E-101 Ground Floor – Histology Scope of Work Plan and E-103 Single Line Diagram & Mechanical Schedule.

2.0 SPECIFICATIONS

NOT IN USE

3.0 DRAWINGS

A500 – Roof plan and Level 2 floor plan
M104 – Roof HVAC Renovation Plan
E101 – Ground floor Histology scope of work plan
E103 – Single Line Diagrams & Mechanical Schedule

4.0 **QUESTIONS AND ANSWERS**

Question: Is there a part number or minimum specification for new receptacles?

Answer: Please refer to Specification Section 26 05 19.11, part 2.4 Receptacles for minimum specifications.

Question: Will alternate equivalent lighting fixtures be accepted?

Answer: Yes, alternative light fixtures can be proposed. The alternatives are to be submitted prior to closing of tender and approvals will be given by written addendum only as per Specification Section 26 50 00. Please refer to Addendum No 2 for a list of approved alternative light fixtures.

Question: This was found further down on the tender document Item 10 P Delivery of the bid states a hand delivered copy of the bid is required. Can I please confirm that we only are submitting through bids & tender?

Answer: Yes, electronic submission through "Bids & Tender" is sufficient. Hand delivery for the copy of the bid is not required.

End of Addendum No. 4

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KEY-PLAN



Notes

Issued For	By	Appd	MM	YYYY
ISSUED FOR ADDENDUM 04	BT	MM	2026	04.24
Revision	By	Appd	MM	YYYY
ISSUED FOR TENDER	BT	MM	2026	03.20
ISSUED FOR PRE-TENDER REVIEW	BT	MM	2026	02.20
ISSUED FOR BP	BT	MM	2026	02.20
ISSUED FOR DESIGN DEVELOPMENT	BT	MM	2026	01.23
RE-ISSUED FOR REVISED SCHEMATIC DESIGN	BT	MM	2025	11.07
ISSUED FOR REVISED SCHEMATIC DESIGN	BT	MM	2025	10.24
ISSUED FOR SCHEMATIC DESIGN	BT	MM	2025	08.29
Issued	By	Appd	MM	YYYY
File Name: NA	BT	MM	2025	11.07
	Dwn.	Dgn.	Chkd.	YYYY.MM.DD

Permit/Seal

Client/Project Logo



Client/Project

Northern Health

UHN - Lab Histology Ventilation Upgrade

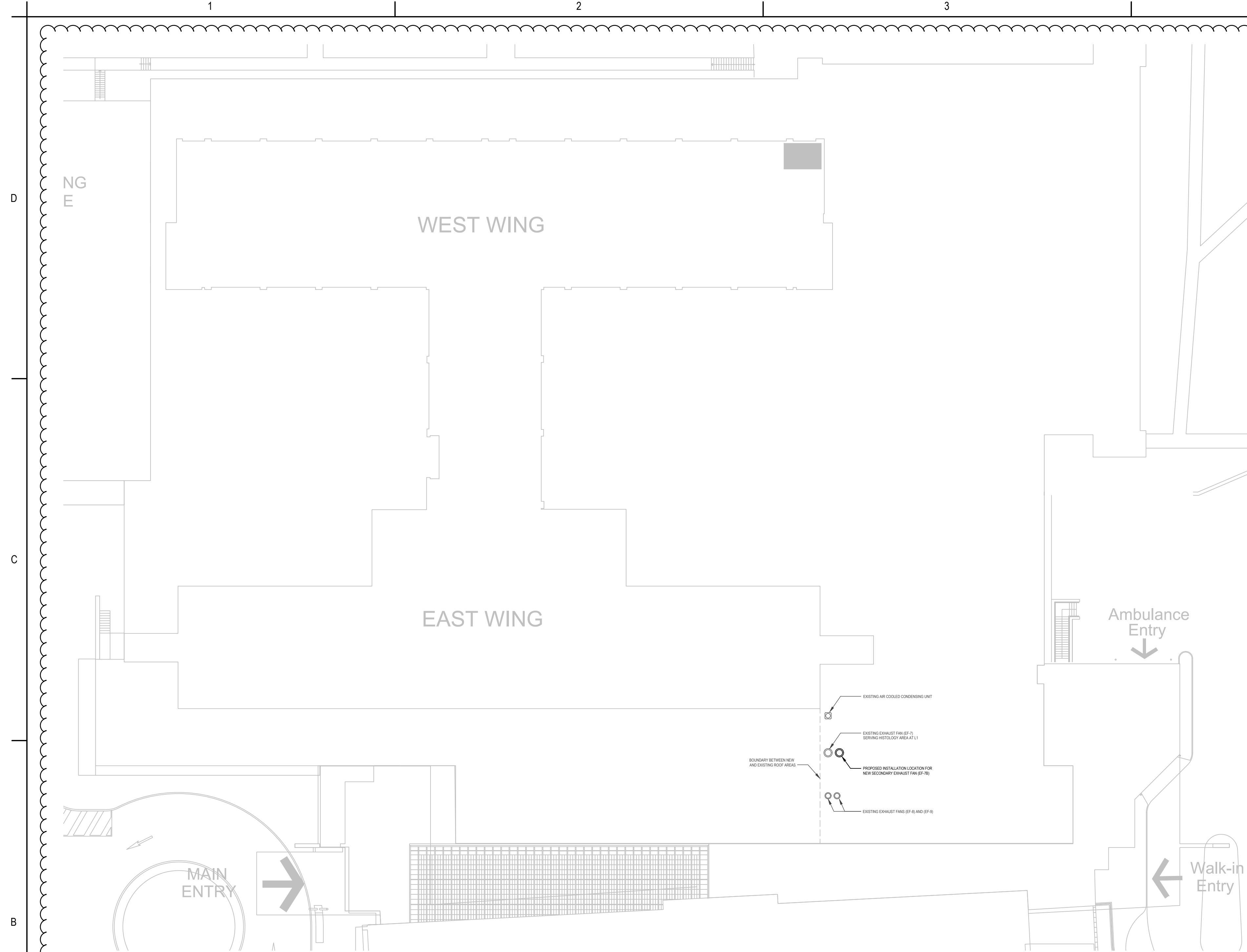
1475 Edmonton St, Prince George, BC V2M 1S2

Title
ROOF - HVAC RENOVATION PLAN

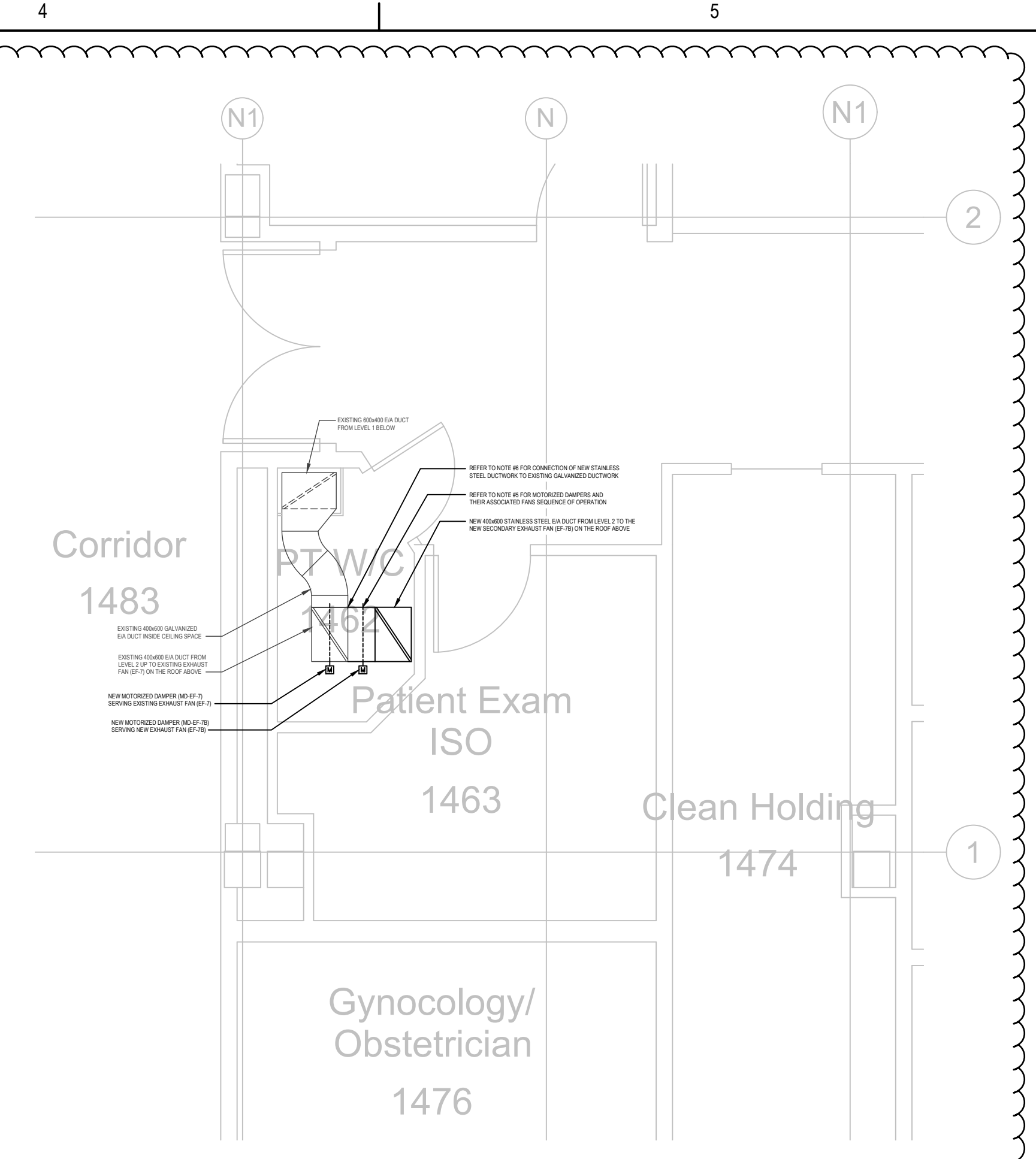
Project No.
115625050
Revision

Scale
AS INDICATED
M-104

Drawing No.



1 ROOF - HVAC RENOVATION PLAN
M-104 1:300



2 LEVEL 2 - HVAC RENOVATION PLAN
M-104 1:50

EXHAUST FAN SCHEDULE

TAG	AREA SERVED	AIR FLOW (l/s)	ESP (Pa)	FAN SPEED (RPM)	OPERATING POWER (kW)	MOTOR SIZE (HP)	MOTOR SPEED (RPM)	ELECTRICAL (V/PH/Hz)	WEIGHT (kg)	MANUFACTURER	MODEL	NOTES
EF-7B	HISTOLOGY	2,050	750	1,470	3.54	5.0	1,725	208/3/60	124	GREENHECK	CUBE-300XP-50	ALL

NOTES:

- 100% STANDBY SECONDARY FAN FOR THE EXISTING PRIMARY FAN (EF-7) WITH 100% DUTY CYCLE. COATED WITH HI-PRO POLYESTER, CONCRETE GRAY-RAL 7023, FAN AND ATTACHED ACCESSORIES.
- JUNCTION BOX MOUNTED & WIRED IN WEATHER-PROTECTED MOTOR COMPARTMENT.
- CW FAN MOTOR STARTER TO BE SUPPLIED AND INSTALLED BY ELECTRICAL.
- FAN TYPE: CONSTANT SPEED, BELT DRIVE, UPSHIFT, CENTRIFUGAL.
- PROVIDE ROOF CURB WITH MINIMUM 300mm (12 INCH) HEIGHT.
- BEARINGS WITH GREASE FITTINGS, L10 LIFE OF 100,000 HRS.
- CW TOGGLE SWITCH INSIDE NEMA 3R RATED ENCLOSURE.
- UL/CUL 705 LISTED (CENTRIFUGAL EXHAUST FANS).
- NEMA ENERGY EFFICIENT FAN MOTOR.

- GENERAL NOTES:**
- ALL MECHANICAL EQUIPMENT AND SERVICES (HVAC, PLUMBING, FIRE PROTECTION) TO REMAIN UNLESS NOTED OTHERWISE.
 - EXISTING EXHAUST FAN ON THE ROOF SERVING HISTOLOGY AREA IS CURRENTLY TAGGED "EF-7". THE SAME FAN IN ORIGINAL CONSTRUCTION DRAWINGS (1986) IS TAGGED "EF-40F". NEW FAN IS TAGGED "EF-7B" TO INDICATE 100% REDUNDANCY.
 - CONTRACTOR TO MINIMIZE DISTURBANCE TO OPERATION OF THE ADJACENT PATIENT EXAM ISO ROOM (1463) DURING CONSTRUCTION.
 - REFER TO ARCHITECTURAL DRAWINGS FOR THE NEW ROOF CURB DETAILS SERVING NEW EXHAUST FAN (EF-7B).
 - EXISTING BUILDING BMS TO MONITOR THE STATUS AND CONTROL OPERATION OF NEW FAN (EF-7B), ASSOCIATED DAMPER (MD-7B), EXISTING FAN (EF-7) AND ASSOCIATED DAMPER (MD-7). SEQUENCE OF OPERATIONS:
 A. DURING NORMAL OPERATION CONDITIONS, THE EXISTING PRIMARY EXHAUST FAN (EF-7) RUNS CONTINUOUSLY (24/7) AND ASSOCIATED MOTORIZED DAMPER (MD-7) SHALL REMAIN FULLY OPEN. THE NEW SECONDARY (BACKUP) EXHAUST FAN (EF-7B) SHALL BE POWERED OFF AND ASSOCIATED MOTORIZED DAMPER (MD-7B) SHALL REMAIN FULLY CLOSED.
 B. IN EVENT OF EXISTING FAN (EF-7) FAILURE, THE BMS SHALL INDICATE THE FAN FAILURE, DE-ENERGIZE THE EXISTING FAN (EF-7), ENERGIZE THE NEW EXHAUST FAN (EF-7B), FULLY OPEN THE ASSOCIATED DAMPER (MD-7B) AND THEN FULLY CLOSE THE DAMPER ASSOCIATED WITH EXISTING FAN (MD-7).
 C. ONCE THE PRIMARY FAN IS REPAIRED OR REPLACED AND OPERATIONAL AGAIN, THE BMS SHALL ENERGIZE THE PRIMARY FAN (EF-7), FULLY OPEN THE ASSOCIATED DAMPER (MD-7), DE-ENERGIZE THE SECONDARY FAN (EF-7B) AND THEN FULLY CLOSE THE ASSOCIATED DAMPER (MD-7B).
 - WHERE CONNECTING NEW STAINLESS STEEL DUCTWORK TO EXISTING GALVANIZED STEEL DUCTWORK, CONTRACTOR TO:
 A. PROVIDE COMPLETE ELECTRICAL ISOLATION BETWEEN DISSIMILAR METALS.
 B. USE DIELECTRIC OR NON-CONDUCTIVE FLEXIBLE CONNECTORS (EPDM OR NEOPRENE).
 C. PROVIDE NON-CONDUCTIVE GASKETS AT ALL FLANGED JOINTS.
 D. ISOLATE FASTENERS USING NYLON OR NON-CONDUCTIVE SLEEVES AND WASHERS.
 E. SEAL JOINTS WITH CHEMICAL-RESISTANT, NON-CONDUCTIVE SEALANT.



3 EXISTING MECHANICAL EQUIPMENT ON ROOF
M-104 NTS



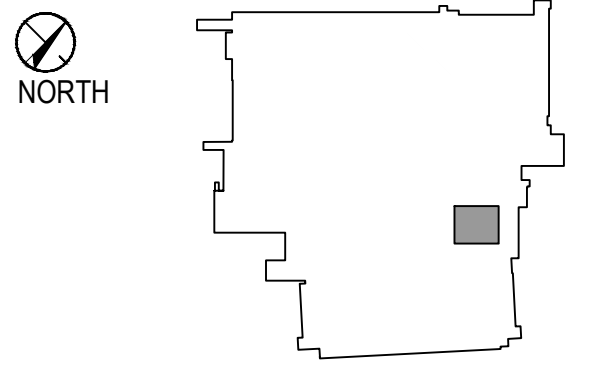
4 EXISTING EXHAUST AIR DUCTWORK IN PT W/C ROOM (1462) CEILING SPACE
M-104 NTS

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Notes

ISSUED FOR ADDENDUM 04	SJ	SJ	2026.04.24
Revision	By	Appd	YYYY.MM.DD
ISSUED FOR IFT	SJ	SJ	2026.03.20
ISSUED FOR BP	SJ	SJ	2026.02.20
ISSUED FOR PRE TENDER REVIEW	SJ	SJ	2026.02.20
ISSUED FOR DD	VN	SJ	2026.01.23
RE-ISSUED FOR REVISED SCHEMATIC DESIGN	VN	SJ	2025.11.07
ISSUED FOR REVISED SCHEMATIC DESIGN	VN	SJ	2025.10.24
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File Name: N/A	VN	SJ	2025.08.29
	Dwn.	Dsgn.	Chkd.
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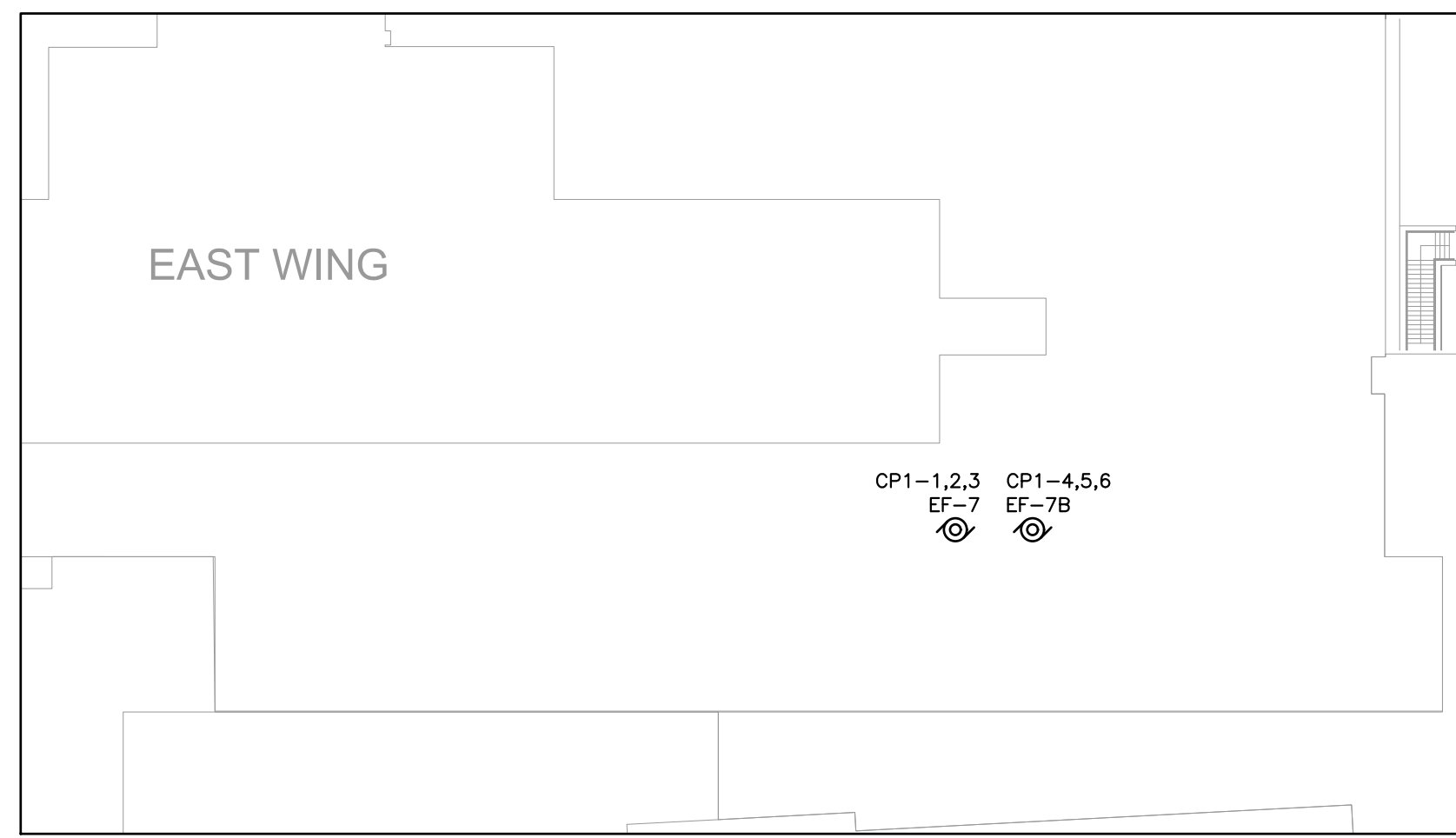
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Title

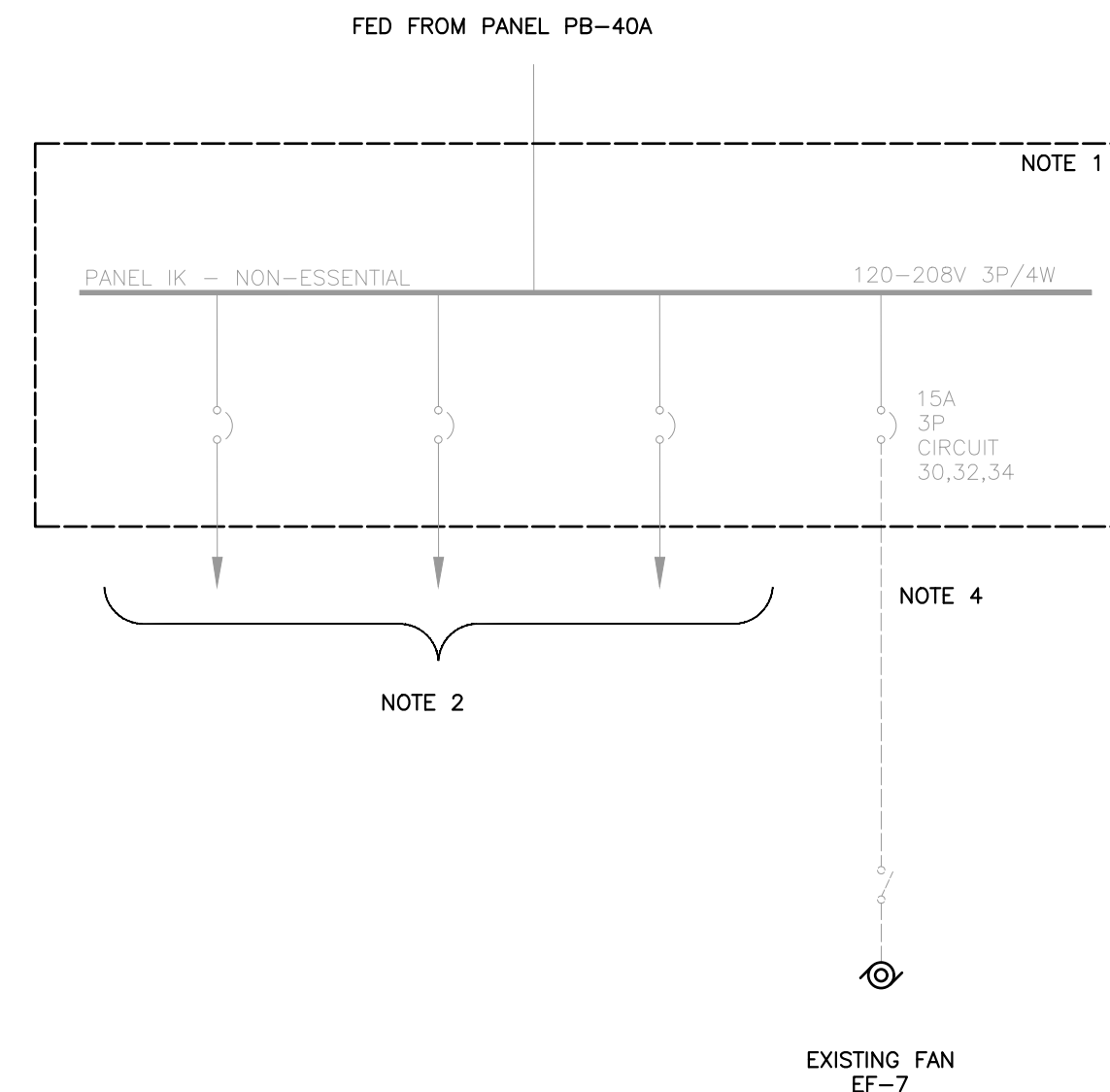
SINGLE LINE DIAGRAMS
& MECHANICAL SCHEDULE

Project No.	115625050	Scale	AS NOTED
Revision	1	Drawing No.	E-103

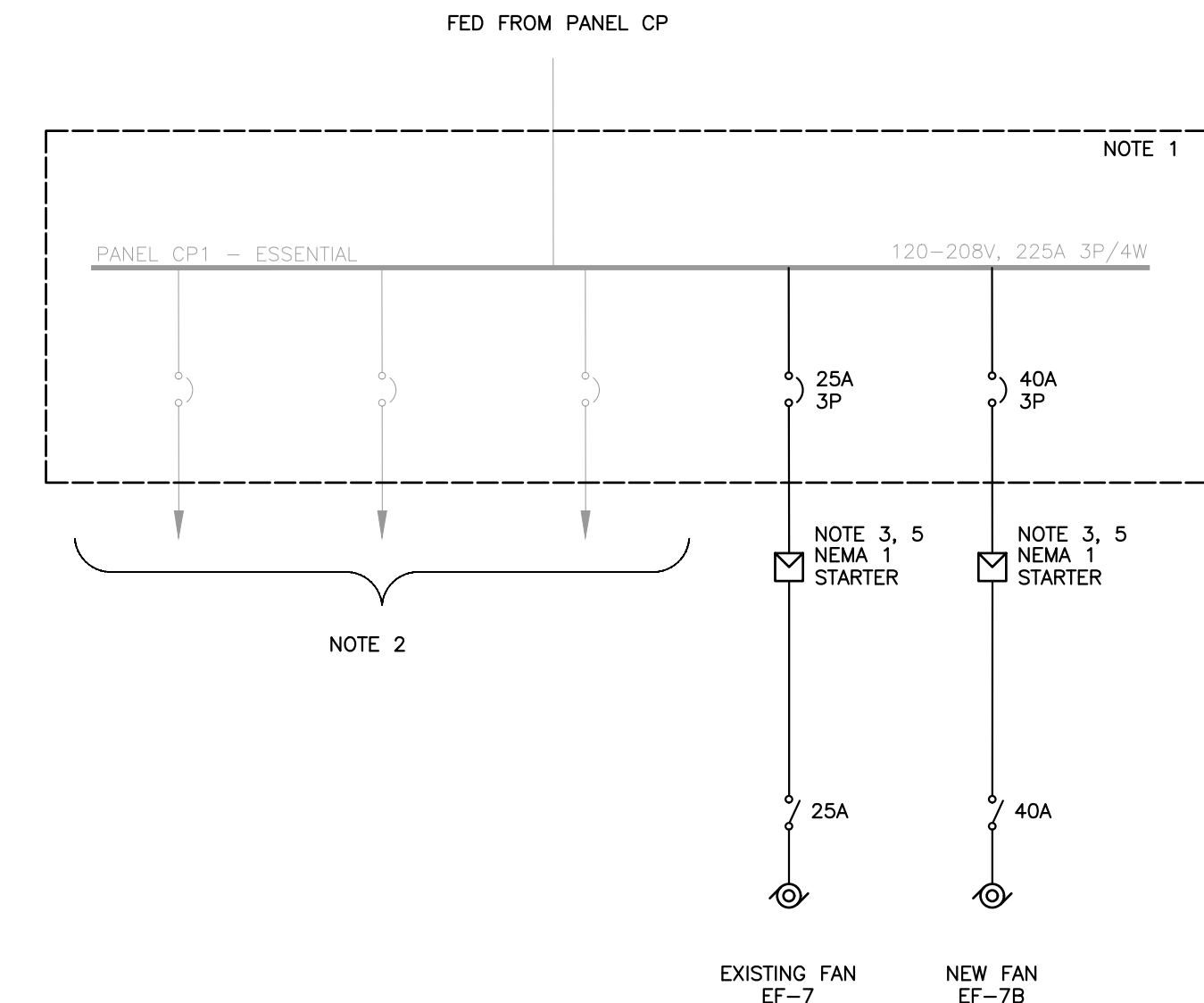


1 ROOF PLAN
E103 NTS

NOTES:
1. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION.
2. CIRCUIT NUMBER INDICATIVE ONLY. CONTRACTOR TO CONFIRM SUITABLE CIRCUIT NUMBER TO BALANCE LOAD ON PANEL



2 EXISTING SINGLE LINE PANEL IK
E103 NTS



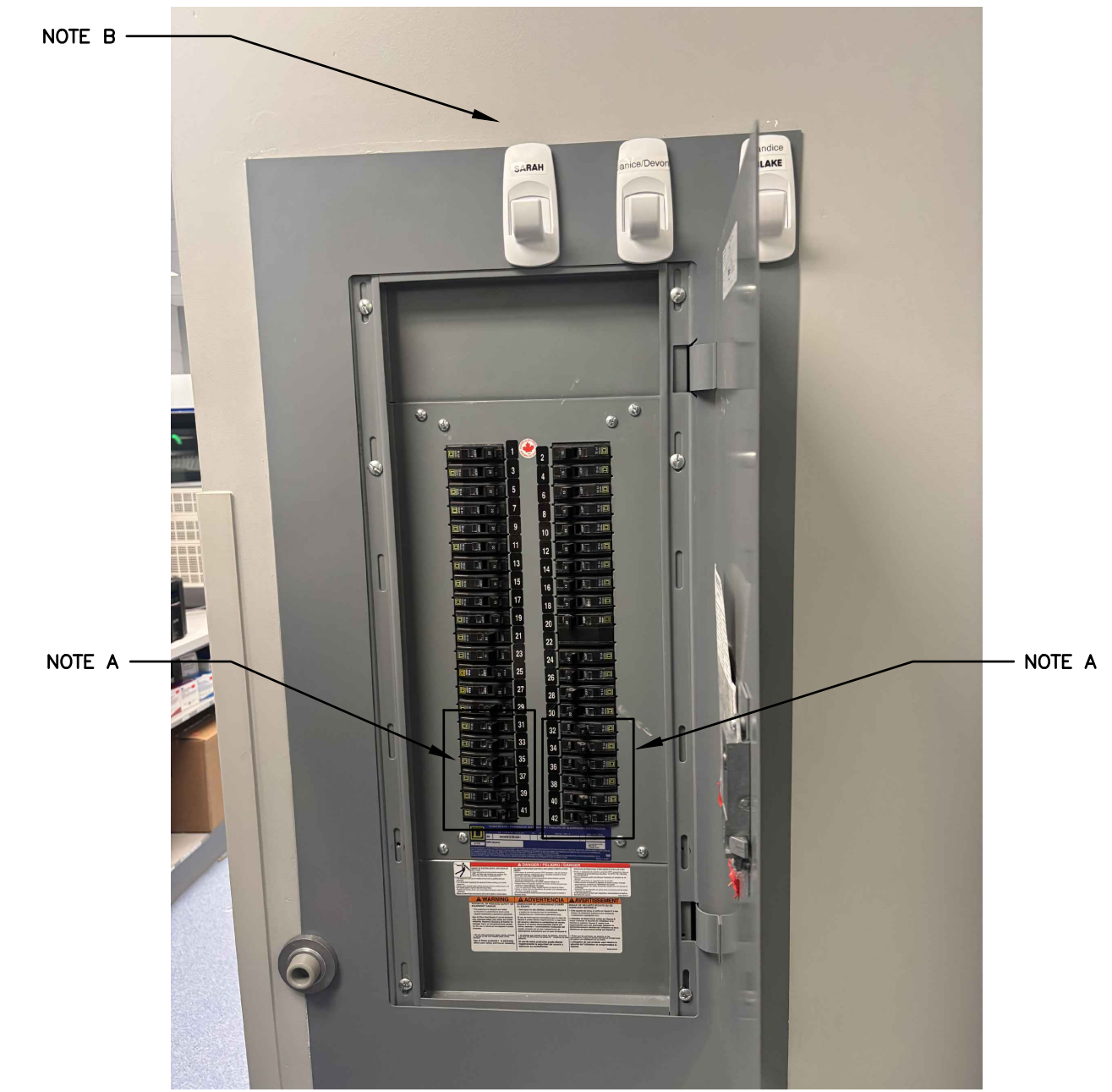
3 PROPOSED SINGLE LINE PANEL CP1
E103 NTS

NOTES:
1. THIS PART SINGLE LINE DIAGRAM IS PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR TO VERIFY ACCURACY OF CONTENT ON SITE AS REQUIRED.
2. EXISTING BRANCH CIRCUITS SUPPLYING FIXTURES NOT RELATED TO THIS CONTRACT NOT SHOWN.
3. PROVIDE WALL MOUNTED NEMA 1 STARTER ABOVE PANEL CP1.
4. EXISTING BRANCH CIRCUIT TO BE DISCONNECTED AND REMOVED. UPDATE PANEL SCHEDULE TO REFLECT THIS CHANGE.
5. STARTER CONTROLLED BY BMS WIRING. WIRING BY MECHANICAL CONTROLS CONTRACTOR.

	BUS
	LOW VOLTAGE CIRCUIT BREAKER
	3Ø MOTOR CONNECTION
	MECHANICAL CONNECTION
	NEMA 1 MOTOR STARTER
	LOCAL DISCONNECT SWITCH

TAG	DESCRIPTION	LOCATION	EQUIPMENT										FEEDER	DISCONNECT			STARTER			FILTER			PANEL			
			UPS	GENERATOR	HORSEPOWER (HP)	LOAD (kW)	FLA (A)	VOLTAGE (V)	PHASE	BREAKER (A)	MCA (A)	SUPPLIED		INSTALLED	CONNECTED	SUPPLIED	INSTALLED	CONNECTED	SUPPLIED	INSTALLED	CONNECTED	SUPPLIED		INSTALLED	CONNECTED	
EF-7	HISTOLOGY EXHAUST FAN - DUTY (EXISTING)	ROOF			3		11	208	3	25	13	1x3C#12 Cu + BOND IN 21mm CONDUIT	M	M	M	E	E	E	E	E	E	NEMA 1				CP1 (ESSENTIEL)
EF-7B	HISTOLOGY EXHAUST FAN - STANDBY (NEW)	ROOF			5		17	208	3	40	21	1x3C#12 Cu + BOND IN 21mm CONDUIT	M	M	M	E	E	E	E	E	E	NEMA 1				CP1 (ESSENTIEL)
TOTAL																										

NOTES:
GENERAL:
* CONFIRM EXACT SIZE, LOCATION, AND WIRING REQUIREMENTS OF ALL MECHANICAL EQUIPMENT PRIOR TO CONNECTING. ALSO REFER TO DIVISION 15 DRAWINGS.
* REVIEW DIVISION 15 DRAWINGS TO ENSURE LOCATIONS AND QUANTITIES.
* REFER TO PANEL SCHEDULES FOR CIRCUIT NUMBERS.



4 SPARE BREAKERS AVAILABLE ON PANEL CP1
E103 NTS

NOTES:
A. SPARE BREAKERS AVAILABLE FOR NEW BRANCH CIRCUITS. CONTRACTOR TO PROVIDE NEW CIRCUIT BREAKERS AS SPECIFIED. CONTRACTOR TO VERIFY SPARE ELECTRICAL CAPACITY IS AVAILABLE ON PANEL PRIOR TO ADDITION OF NEW BRANCH CIRCUIT TO COMPLY WITH CEC SECTION 6.
B. WALL MOUNT NEMA 1 STARTERS ABOVE PANEL CP1.

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