

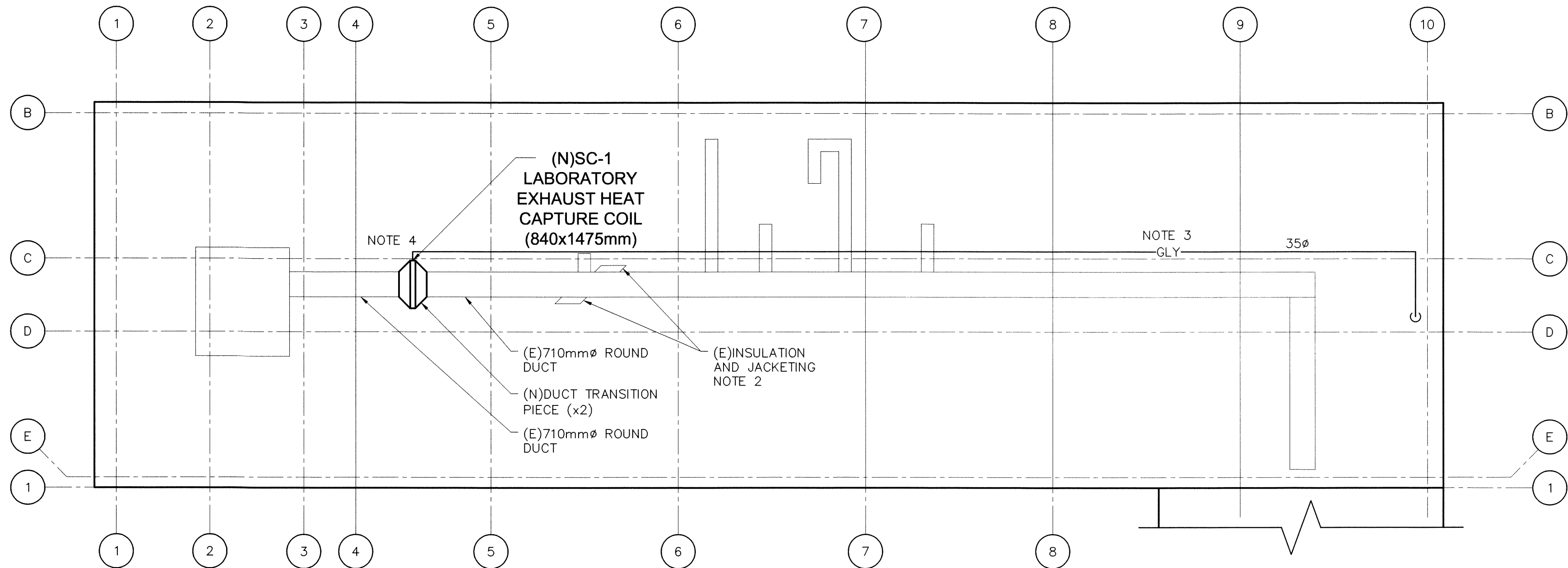
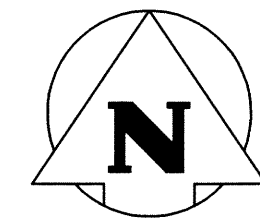
GENERAL NOTES:

1. REFER TO DRAWINGS M01 AND M02 FOR ALL SPECIFICATIONS.

SCOPE OF WORK:

1. RETROFIT EXISTING EXHAUST DUCT TO ACCOMMODATE HEAT CAPTURE COIL AND ALLOW COMPLETE FLOW COVERAGE.
2. INCREASE EXHAUST DUCT INSULATION FOR HEAT CONSERVATION TO A MINIMUM 75mm THICKNESS.
3. RUN LOW TEMPERATURE GLYCOL SUPPLY LINE ON ROOF. FOLLOW SHORTEST AVAILABLE ROUTE FROM MECHANICAL ROOM.
4. RUN WARM GLYCOL RETURN LINE DIRECTLY INTO 2ND FLOOR PLENUM SPACE TO CONSERVE HEAT. FOLLOW SHORTEST AVAILABLE ROUTE TO HX-2 IN MECHANICAL ROOM.
5. REBALANCE & ADJUST EXHAUST FAN TO PROVIDE ORIGINAL DESIGN FLOW ACCOUNTING FOR THE ADDITIONAL STATIC PRESSURE OF NEW COIL HC-3.

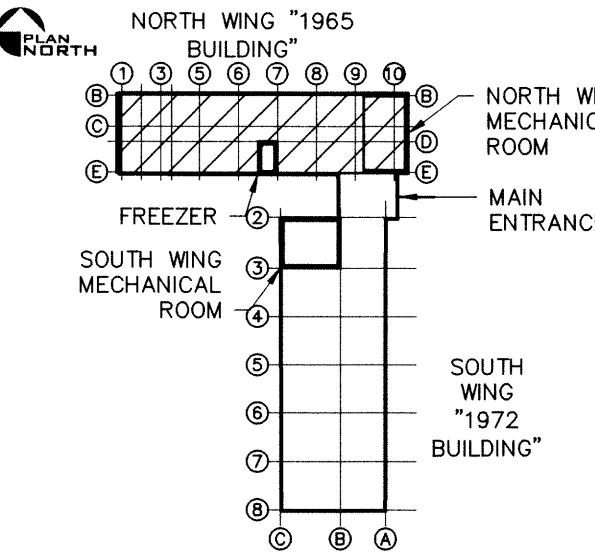
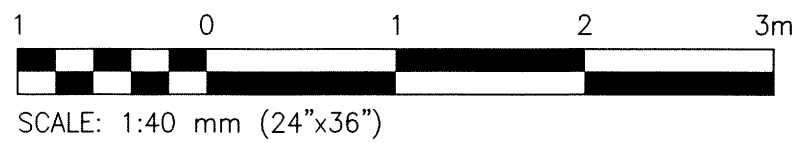
EQUIPMENT SCHEDULE										
TAG #	DESCRIPTION	ACTIVE COIL DIMENSIONS	AIR FLOW	TOTAL HEAT LOAD	SENSIBLE HEAT LOAD	ENTERING AIR TEMPERATURE	LEAVING AIR TEMPERATURE	AIR PRESSURE DROP	ENTERING FLUID TEMPERATURE	LEAVING FLUID TEMPERATURE
SC-1	LABORATORY HEAT CAPTURE COIL	1473mm L 914mm H 254mm D	2850 CFM 1345 L/s	220437 BTU/HR	121341 BTU/HR	25°C	3.4°C	8.38mm H2O	-0.67°C	3.61°C



Plotted by: ccorley Jun 23, 2017 - 5:06pm

PWGSC A1 (841x594)

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



BUILDING KEY PLAN

LEGEND

- (N) NEW
(E) EXISTING
— NEW EQUIPMENT
— EXISTING EQUIPMENT
— EXISTING PIPE

0	ISSUED FOR TENDER	23-JUN-2017
REV	Description	Date

A	A detail no. no. du detail	A
C	B location drawing no. sur dessin no.	B C
	C drawing no. dessin no.	

project project

**MECHANICAL UPGRADE
115 PERIMETER ROAD
SASKATOON, SK**

ENVIRONMENT CANADA
335 River Rd
Ottawa ON, K1V 1C7

drawing dessin

**MECHANICAL
HVAC SYSTEM
ROOF PLAN**

Designed By	GDK	Conçu par
Date	17/05/11	(yyyy/mm/dd)
Drawn By	BJB	Dessiné par
Date	17/05/11	(yyyy/mm/dd)
Reviewed By	ADR	Examiné par
Date	17/06/23	(yyyy/mm/dd)
Approved By	AMB	Approuvé par
Date	17/06/23	(yyyy/mm/dd)
Tender		Soumission

Project Manager	Administrateur de projets
EC PMDI Proj no.	Consultant Proj no.
	17-0006-001

Drawing no. No. du dessin

M105



Association of Professional Engineers & Geoscientists
of Saskatchewan
CERTIFICATE OF AUTHORIZATION
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MECHANICAL 20402 *[Signature]*