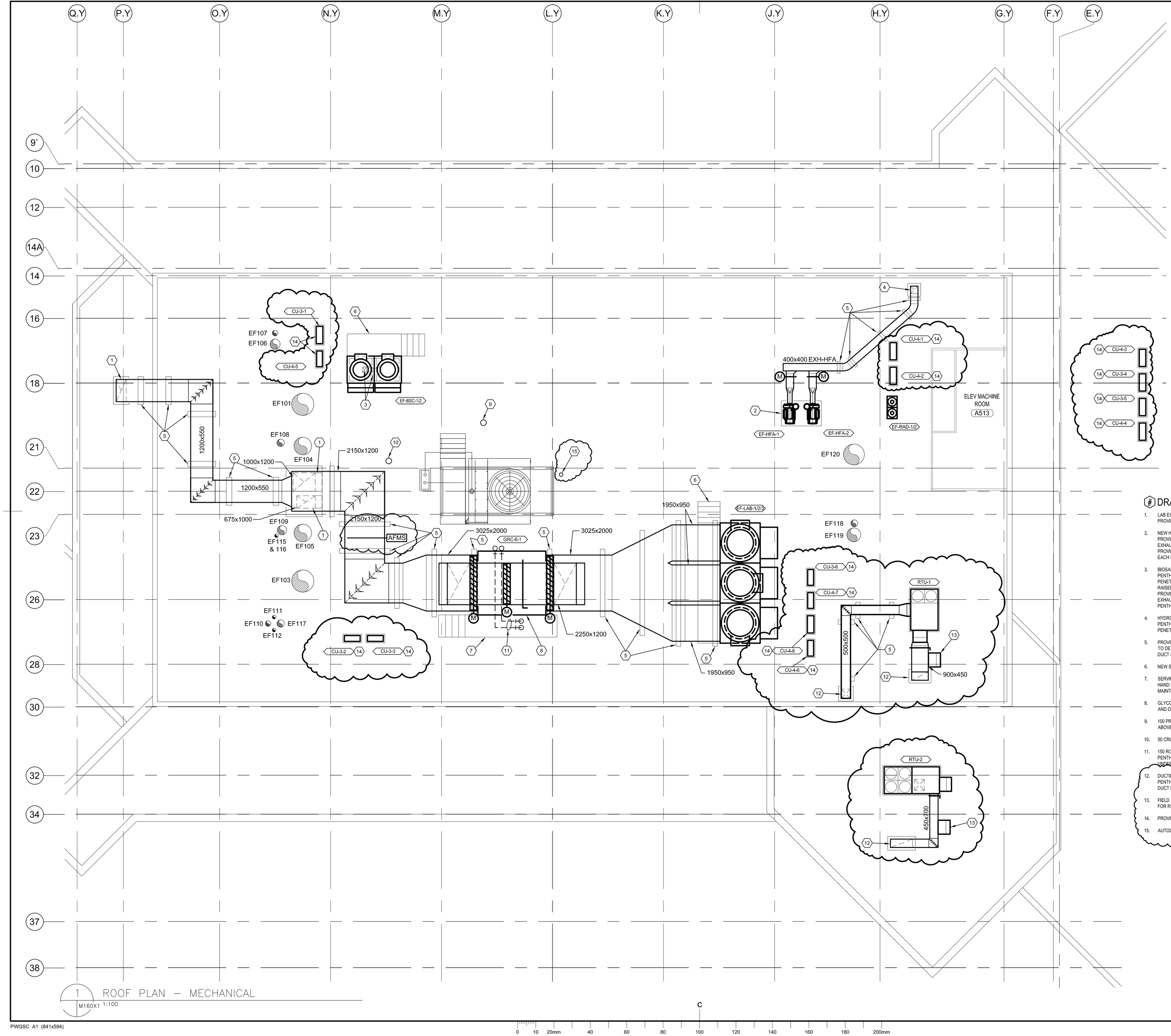

1 ROOF PLAN – MECHANICAL
M160X1 1:100

PWGSC A1 (841x594)

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

PROJECT NORTH
LE NORD DU PROJET

DRAWING KEYNOTES:

1. LAB EXHAUST DUCT FROM PENTHOUSE. PROVIDE ROOF CURB FOR DUCT OPENING.
2. NEW HYDROFLUORIC ACID EXHAUST FANS. PROVIDE BOX CURB AND SPRING ISOLATORS. EXHAUST NOZZLE REQUIRES GUY WIRES. PROVIDE MOTORIZED ISOLATION DAMPERS ON EACH FAN INLET.
3. BIOSAFETY CABINET EXHAUST DUCT FROM PENTHOUSE. PROVIDE ROOF CURB FOR DUCT PENETRATION. EF-BSC-1/2 TO BE INSTALLED ON RAISED PLATFORM (REFER TO STRUCTURAL). PROVIDE INSULATED PLENUM UNDERNEATH EXHAUST FAN TO CONNECT DUCT FROM PENTHOUSE.
4. HYDROFLUORIC ACID EXHAUST DUCT FROM PENTHOUSE. PROVIDE ROOF CURB FOR DUCT PENETRATION.
5. PROVIDE SLEEPER FOR DUCT SUPPORT. REFER TO DETAIL FOR ADDITION INFORMATION ON DUCT SUPPORT CONSTRUCTION.
6. NEW SERVICE PLATFORM FOR EQUIPMENT.
7. SERVICE PLATFORM SHALL HAVE REMOVABLE HAND RAILS TO ACCOMMODATE EQUIPMENT MAINTENANCE.
8. GLYCOL RECLAIM MODULE c/w BY-PASS DUCT AND DAMPER AND ISOLATION DAMPERS.
9. 100 PRV-1 SAFETY VALVE VENT UP TO 2100 ABOVE ROOF.
10. 50 CRU-1 VENT UP TO 2100 ABOVE ROOF.
11. 150 RCLS AND RCLR PIPING UP FROM PENTHOUSE TO GRC-6-1. SUSPEND FROM UNDERSIDE OF GRC-6-1 SUPPORT STRUCTURE.
12. DUCTING CONTINUED ON LARGE SCALE PENTHOUSE PLANS. PROVIDE ROOF CURB FOR DUCT PENETRATION.
13. FIELD INSTALLED RELIEF HOOD AND DAMPER FOR RTU.
14. PROVIDE BOX CURB FOR CONDENSING UNIT.
15. AUTOCLAVE SRV UP TO 2100 ABOVE ROOF.

Publics Works and Government Services Canada
Travaux publics et services gouvernementaux Canada

Canada

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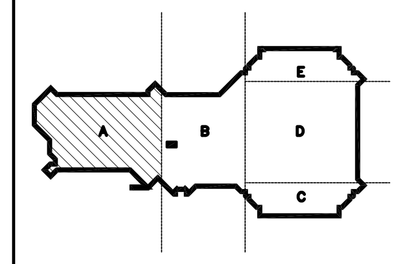
SC Proj. #12C-00081-00

stamp

LICENSED PROFESSIONAL ENGINEER
SIB W. DIACHUN
100147589
07-JAN-2014
PROVINCE OF ONTARIO

key plan — plan repère



Contractor to verify all dimensions & conditions on site and immediately notify the engineer of all discrepancies.

revisions	description	date
5	ISSUED FOR ADDENDUM NO. 1	2013/12/20
4	ISSUED FOR 100% CONSTRUCTION DOCUMENTS	2013/10/10
3	ISSUED FOR 99% CONSTRUCTION DOCUMENTS (VOL 2)	2013/08/29
2	ISSUED FOR 99% CONSTRUCTION DOCUMENTS (VOL 1)	2013/08/15
1	ISSUED FOR 66% CONSTRUCTION DOCUMENTS (RS4)	2013/05/30
0	ISSUED FOR DESIGN DEVELOPMENT	2013/03/22

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

project — projet

SIR FREDERICK BANTING RESEARCH CENTRE
ANIMAL TO WET LAB CONVERSION

251 SIR FREDERICK BANTING WAY, ON

drawing — dessin

ROOF PLAN MECHANICAL

Designed By	J. DUPAUL	Conçu par
Date		(yyyy/mm/dd)
Drawn By	W. CURRIE	Dessiné par
Date		(yyyy/mm/dd)
Reviewed By	S. DIACHUN	Examiné par
Date		(yyyy/mm/dd)
Approved By	S. DIACHUN	Approuvé par
Date		(yyyy/mm/dd)
Tender		Soumission
Project Manager		Administrateur de projets
Project no.		No. du projet

R.044033.002

Drawing no. — No. du dessin

M160-X1