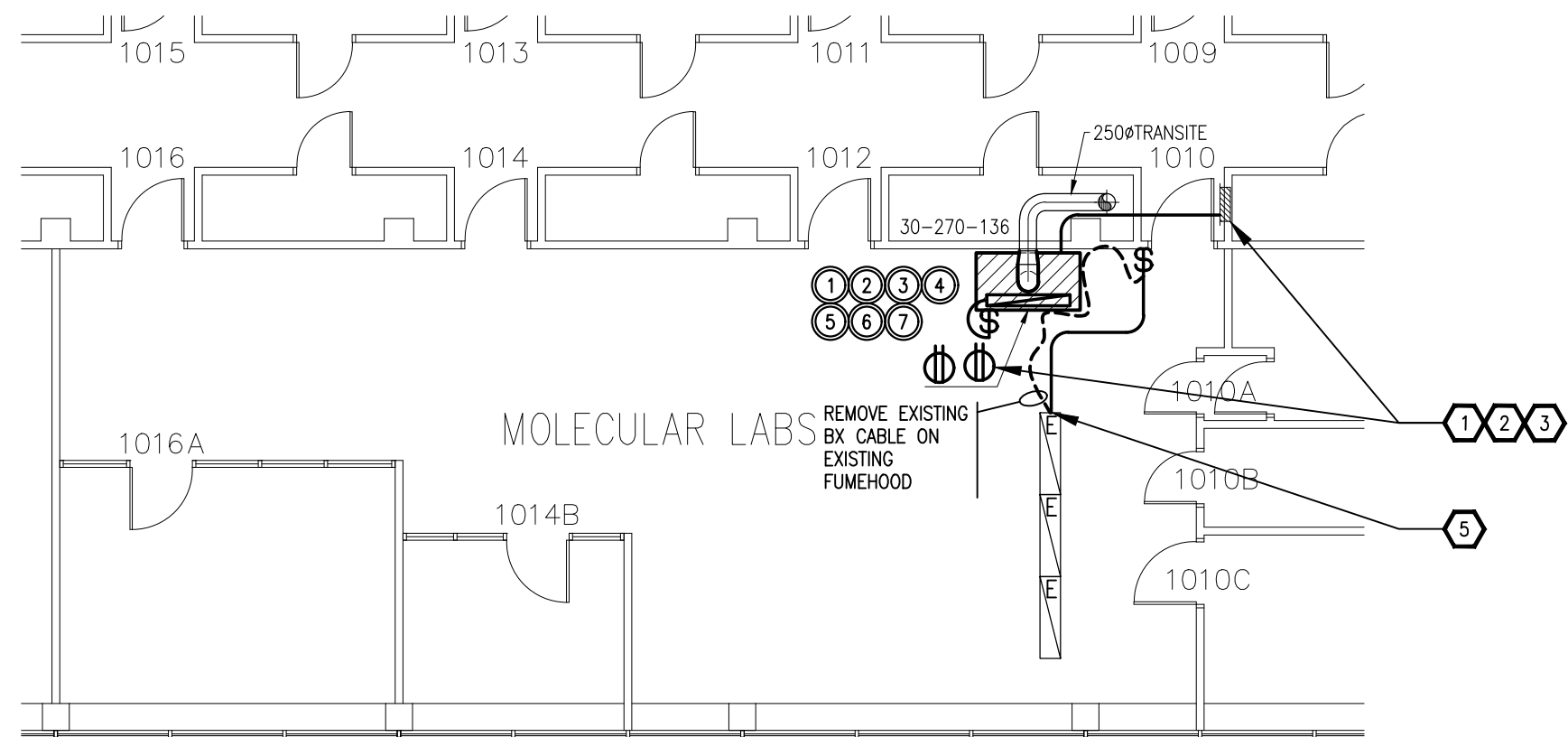


GROUND FLOOR - LAB ROOM 1043, 1045 & 1047
HVAC DEMOLITION & NEW WORK

1
ME1.1 1:100



GROUND FLOOR - LAB ROOM 1010
HVAC DEMOLITION & NEW WORK

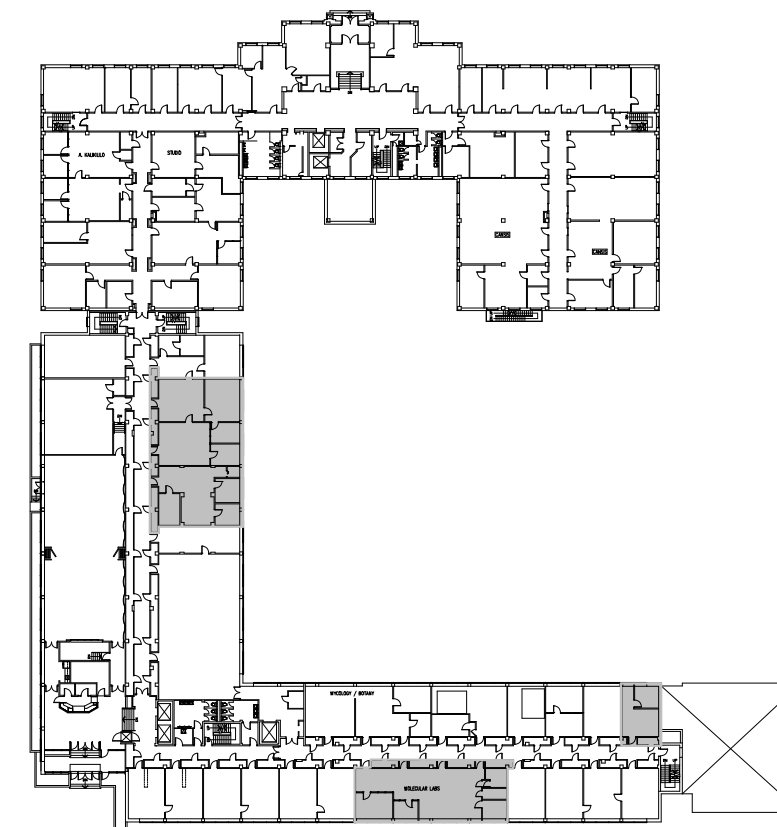
3
ME1.1 1:100

DESCRIPTION OF MECHANICAL WORK

- ① DISCONNECT EXISTING SERVICES AND TEMPORARILY CAP PIPES. EXISTING SERVICES MATCH "REQUIRED" SERVICES IN SCHEDULE ON DRAWING ME0.1.
- ② REMOVE EXISTING FUME HOOD AS PER FUME HOOD DECONTAMINATION PROTOCOL IN SPECIFICATION.
- ③ REMOVE TRANSITE DUCTWORK AS PER FUME HOOD DECONTAMINATION PROTOCOL IN SPECIFICATION.
- ④ SPARE
- ⑤ PROVIDE NEW FUME HOOD C/W ONE ACID STORAGE AND ONE SOLVENT BASE CABINET. EACH CABINET TO BE HALF THE WIDTH OF THE FUME HOOD AND BE VENTILATED SEPARATELY TO HOOD. PROVIDE 50# STAINLESS STEEL PIPE FROM CABINETS TO HOOD.
- ⑥ CONNECT NEW FUME HOOD TO EXISTING EXHAUST AIR DUCTWORK. PROVIDE ELBOW AND TRANSITION AS INDICATED.
- ⑦ EXTEND EXISTING SERVICES TO NEW FUME HOOD. REFER TO SCHEDULE ON DRAWING ME0.1 FOR LIST OF SERVICES FOR EACH HOOD. PROVIDE NEW ISOLATION VALVES.
- ⑧ DISCONNECT EXISTING EXTERNAL 50# VACUUM PIPE ON SIDE OF EXISTING FUME HOOD. RETAIN FOR REUSE IN NEW WORK AND SUPPORT OFF OF NEW FUME HOOD.
- ⑨ DISCONNECT EXISTING DI WATER PIPE ON SIDE OF EXISTING FUME HOOD. RETAIN FOR REUSE IN NEW WORK AND SUPPORT OFF OF NEW FUME HOOD.

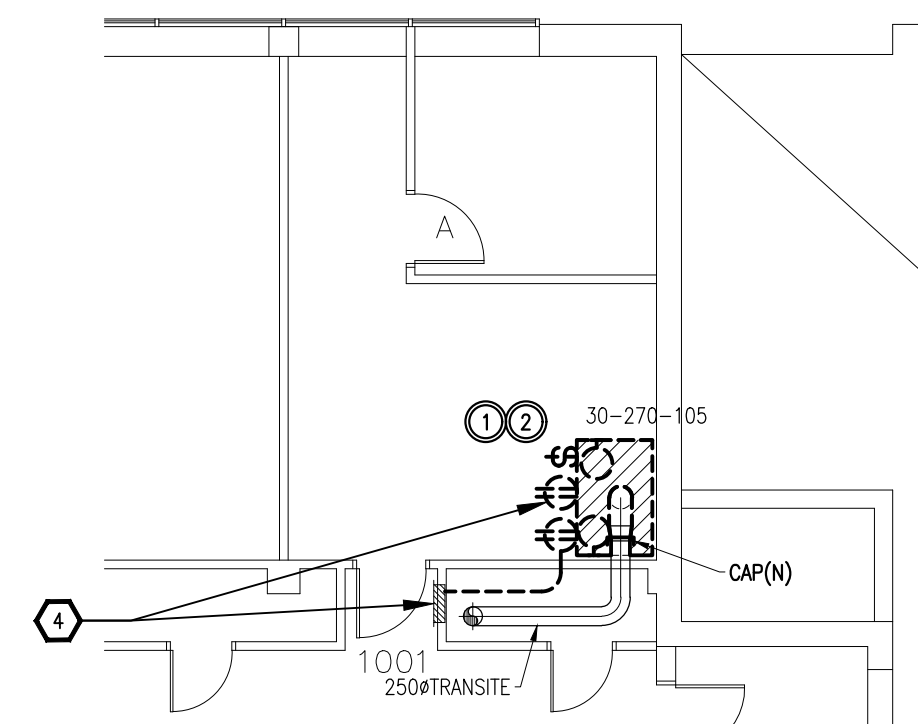
DESCRIPTION OF ELECTRICAL WORK

- ① DISCONNECT TWO (2) EXISTING DUPLEX RECEPTACLES, ONE (1) EXISTING SPECIAL RECEPTACLE, EXISTING LIGHT SWITCH, AND TWO (2) EXISTING INCANDESCENT SIDE MOUNTED LIGHTING FIXTURES LOCATED IN EXISTING FUME HOOD ALL TO BE REMOVED BY MECHANICAL AND GENERAL TRADES. REMOVE ASSOCIATED WIRING BACK TO ELECTRICAL PANEL AND RETAIN CONDUIT AND BREAKERS FOR NEW WORK.
- ② PROVIDE TWO (2) DEDICATED 15A-120V/1P RECEPTACLE CIRCUITS AND LIGHTING CIRCUIT FROM EXISTING 15A-120V/1P BREAKERS (RETAINED FROM DEMOLITION) TO NEW FUMEHOOD SUPPLIED AND INSTALLED BY MECHANICAL TRADES.
- ③ TEMPORARILY DISCONNECT AND REMOVE UP TO FOUR (4) FLUORESCENT LIGHTING FIXTURES TO ACCOMMODATE MECHANICAL AND GENERAL TRADES IN THE REMOVAL OF EXISTING FUME HOOD. REINSTALL LIGHTING FIXTURES AFTER THE INSTALLATION OF NEW FUME HOOD.
- ④ DISCONNECT TWO (2) DUPLEX RECEPTACLES, ONE (1) SPECIAL RECEPTACLE, LIGHT SWITCH, AND TWO (2) INCANDESCENT SIDE MOUNTED LIGHTING FIXTURES LOCATED IN EXISTING FUME HOOD ALL TO BE REMOVED BY MECHANICAL AND GENERAL TRADES. DISCONNECT AND REMOVE ASSOCIATED WIRING AND CONDUIT BACK TO ELECTRICAL PANEL.
- ⑤ DISCONNECT AND REMOVE EXISTING BX CABLE FROM CEILING MOUNTED FLUORESCENT LIGHTING FIXTURES TO LIGHT SWITCH, AND REWIRE WITH 2#12+GRD-21mm EMT.
- ⑥ TEMPORARILY DISCONNECT AND REMOVE SIDE MOUNTED 50mm CONDUIT (VACUUM) UP TO EXISTING CEILING AND REINSTALL ON SIDE OF NEW FUME HOOD ASSEMBLY.



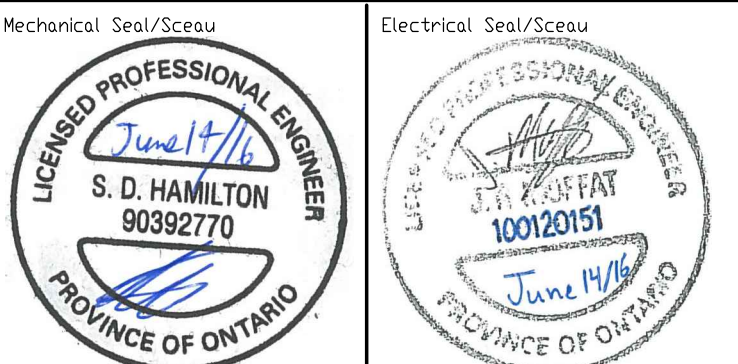
KEYPLAN
AREA OF WORK

2
ME1.1 1:1000



GROUND FLOOR - LAB ROOM 1001
HVAC DEMOLITION & NEW WORK

4
ME1.1 1:100



KEY PLAN PLAN-REP?RE

02	ISSUED FOR TENDER	14/06/16
01	ISSUED FOR 99% REVIEW	04/03/16

revision	date
----------	------

A	A detail no. no. du détail	A
C	B location drawing no. no. de localisation	BC
	C drawing no. no. du dessin	

project **NEATBY BUILDING
LABORATORY FUME
HOODS REPLACEMENT &
HVAC SYSTEMS UPGRADE** projet

960 CARLING AVE. OTTAWA

drawing **MECHANICAL &
ELECTRICAL
GROUND FLOOR
HVAC DEMOLITION &
NEW WORK** dessin

designed S.HAMILTON & E.YEH conçu

date

drawn C.LALONDE & E.YEH dessiné

date

revised S.HAMILTON & W.NEEDHAM révisé

date

approved — approuvé

date

tender SOHEILA KIANI soumission

PWC Project Manager Administrateur de projets TPC

project no. no. du projet

PWGSC #R.078014.001

drawing no. no. du dessin

ME1.1