

National Centre of Expertise  
Architectural and Engineering Services  
Real Property Services Branch

Centre d'expertise national  
Services d'architecture et génie  
Direction générale des services immobiliers

Mechanical Seal/Sceau



Electrical Seal/Sceau



KEY PLAN  
PLAN-REP?RE

02 ISSUED FOR TENDER 14/06/16

01 ISSUED FOR 99% REVIEW 04/03/16

revision date

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

project projet

**NEATBY BUILDING  
LABORATORY FUME  
HOODS REPLACEMENT &  
HVAC SYSTEMS UPGRADE**  
960 CARLING AVE. OTTAWA

drawing dessin

**MECHANICAL &  
ELECTRICAL  
THIRD FLOOR  
HVAC DEMOLITION &  
NEW WORK**

designed S.HAMILTON & E.YEH conçu

drawn C.LALONDE & E.YEH dessiné

revised S.HAMILTON & W.NEEDHAM révisé

approved — approuvé

tender SOHEILA KIANI soumission

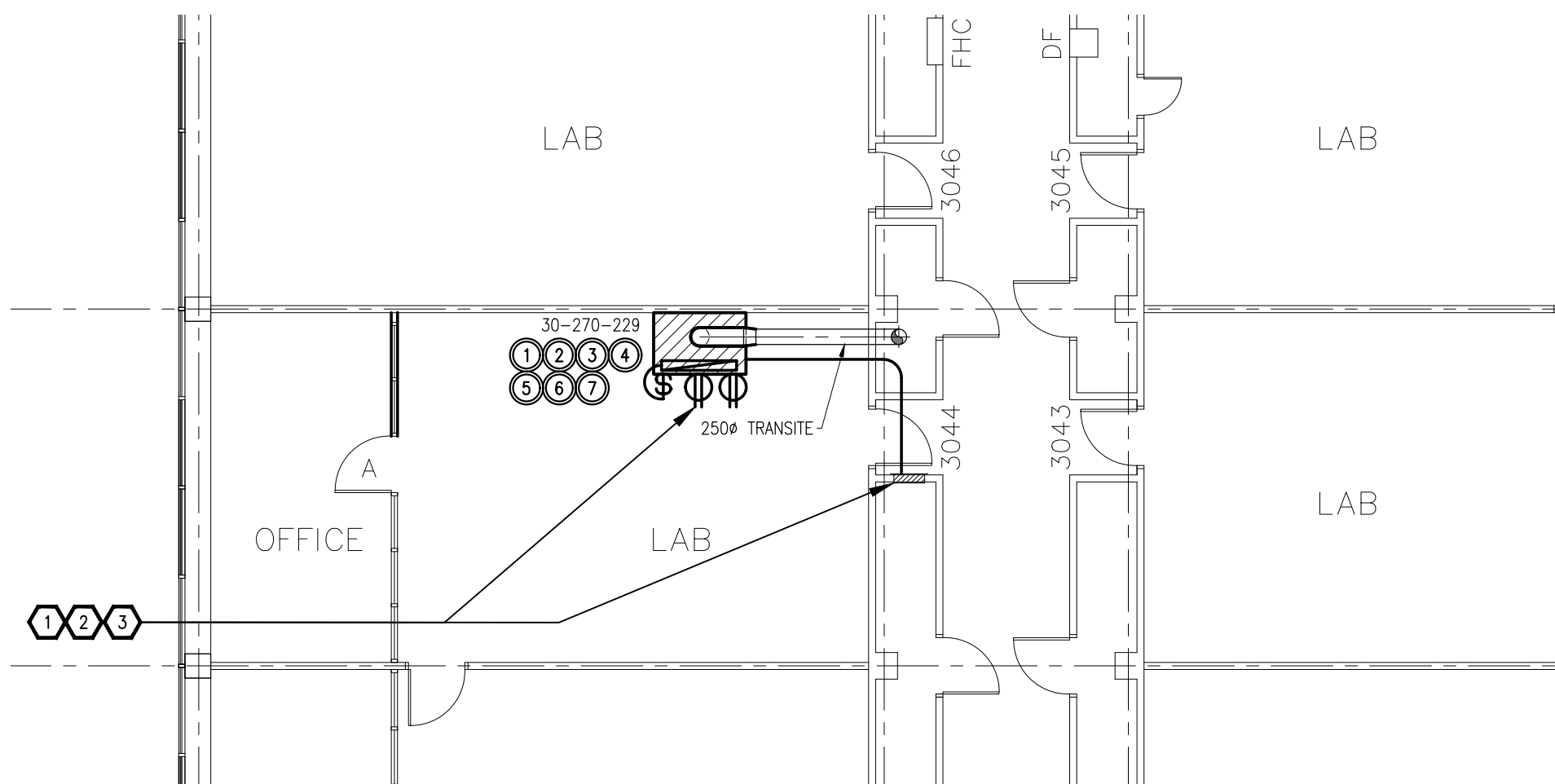
PWC Project Manager Administrateur de projets TPC

project no. no. du projet

PWGSC #R.078014.001

drawing no. no. du dessin

**ME1.3**



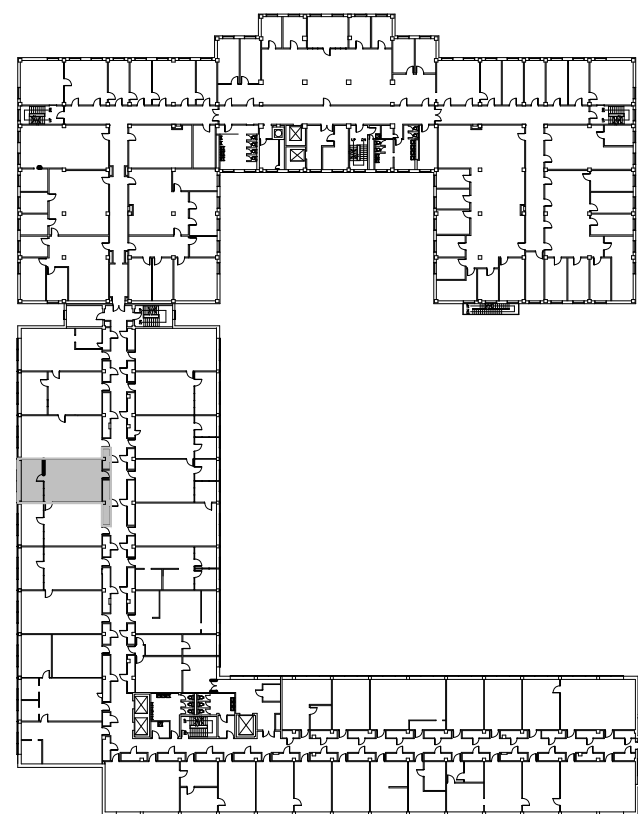
THIRD FLOOR - LAB ROOM 3044  
HVAC DEMOLITION & NEW WORK  
1  
ME1.3 1:100

#### 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.

#### 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.



KEYPLAN  
AREA OF WORK  
2  
ME1.3 1:1000