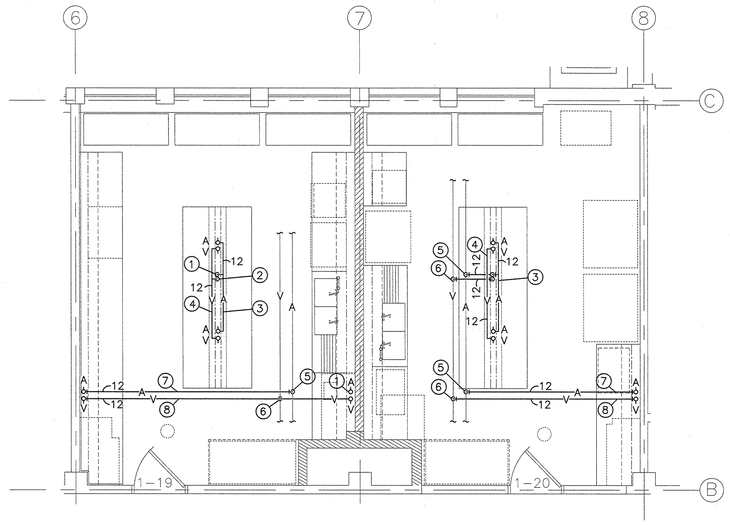
LABRATORY GAS CONSTRUCTION NOTES

1. CONNECT TO EXISTING COMPRESSED AIR PIPING AT THIS LOCATION.
2. CONNECT TO EXISTING VACUUM AIR PIPING AT THIS LOCATION.
3. RUN COMPRESSED AIR PIPING IN BENCH SERVICE CHASE TO NEW BENCH TOP AIR VALVES.
4. RUN VACUUM AIR PIPING IN BENCH SERVICE CHASE TO NEW BENCH TOP VACUUM VALVES.
5. CONNECT TO EXISTING COMPRESSED AIR PIPING BELOW FLOOR LEVEL.
6. CONNECT TO EXISTING VACUUM AIR PIPING BELOW FLOOR LEVEL.
7. RUN NEW COMPRESSED AIR PIPING UNDER FLOOR AND UP TO NEW BENCH TOP AIR VALVE. PROVIDE FIRESTOP FLOOR PENETRATION.
8. RUN NEW VACUUM PIPING UNDER FLOOR AND UP TO NEW BENCH TOP VACUUM VALVE. FIRESTOP FLOOR PENETRATION.



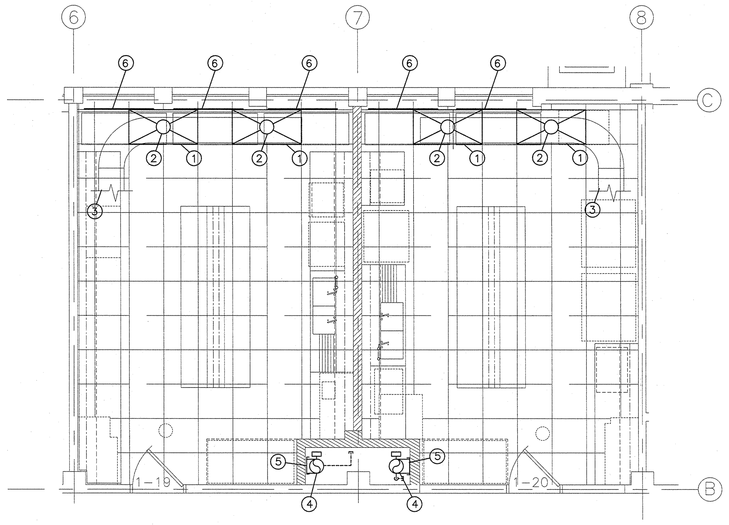
1 / M2 LAYOUT – EXISTING/REVISED – LABORATORY GAS

SCALE: 1:50

0m 1m 2m 3m 4m 5m

HVAC CONSTRUCTION NOTES

1. INSTALL EXISTING LAMINAR FLOW DIFFUSER IN NEW SUSPENDED CEILING GRID.
2. CONNECT DIFFUSER TO EXISTING DUCTWORK WITH FLEXIBLE DUCTWORK. SIZE TO MATCH DIFFUSER. PROVIDE NEW CONNECTION TO EXISTING DUCTWORK AND PATCH EXISTING OPENINGS IF NOT IN SUITABLE LOCATION.
3. EXISTING SUPPLY AIR DUCTWORK.
4. EXISTING 250MM DIAMETER FUME HOOD EXHAUST DUCTWORK.
5. NEW TEMPORARY CAP ON EXHAUST DUCTWORK.
6. RE-INSULATE STEAM AND CONDENSATE PIPING WITHIN STEAM CABINET HEATER. REFER TO SPECIFICATIONS.



2 / M2 LAYOUT – EXISTING/REVISED – HVAC

SCALE: 1:50

0m 1m 2m 3m 4m 5m

Plot Scale: AS NOTED

PWGSC B1

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

Public Works and Government Services Canada / Travaux Publics et Services gouvernementaux Canada

PROVINCE OF NEWFOUNDLAND AND LABRADOR
PEGNL Newfoundland and Labrador PERMIT HOLDER
This Permit Allows
CBCL LIMITED
To practice Professional Engineering in Newfoundland and Labrador.
Permit No. as issued by PEGNL R0178
which is valid for the year 2016.

REGISTERED PROFESSIONAL ENGINEER
PAUL SCEVIOUR
SIGNATURE
MAR 24, 2016
DATE
NEWFOUNDLAND & LABRADOR

revisions		date
0	ISSUED FOR TENDER	MAR. 24 2016

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

project / projet
ST. JOHN'S RESEARCH & DEVELOPMENT CENTRE – BLDG 25, BROOKFIELD RD. LAB UPGRADES

drawing / dessin
MECHANICAL REVISED GAS AND HVAC LAYOUTS & NOTES

designed P. SCEVIOUR / concu
date JANUARY 2016
drawn Z. ROBERTS / dessine
date JANUARY 2016
approved / approuve
date
Tender / Soumission
PWGSC Project Manager / Administrateur de projets TPSGC
May 4/16

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