

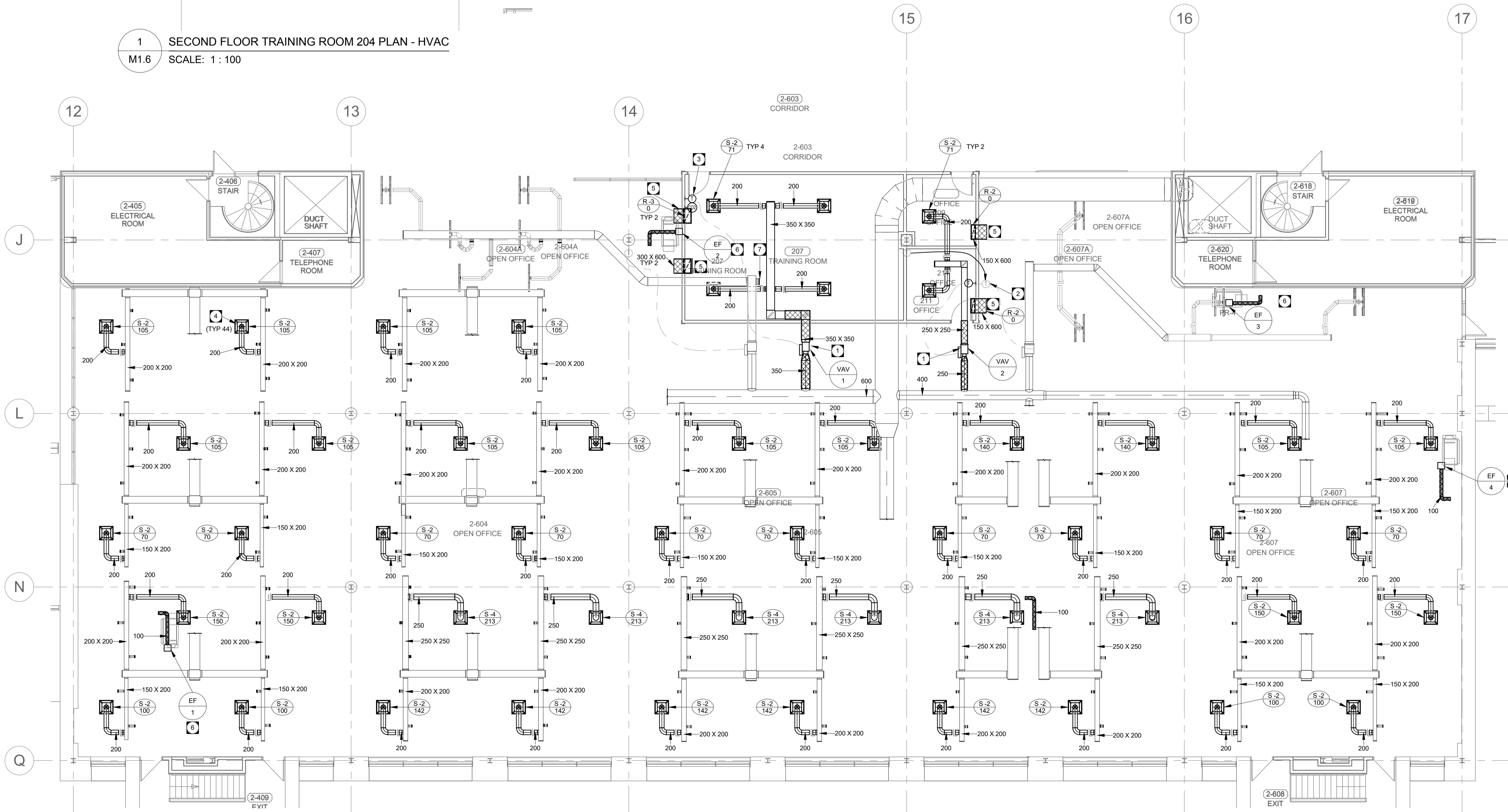
1 SECOND FLOOR TRAINING ROOM 204 PLAN - HVAC  
M1.6 SCALE: 1 : 100

# KEY NOTES

- 1 NEW SINGLE DUCT VAV.
- 2 RELOCATED THERMOSTAT.
- 3 NEW THERMOSTAT WITH CO2 MONITORING AND CONTROL.
- 4 PROVIDE DUCT WITH NEW SQUARE PLAQUE DIFFUSER IN NEW CEILING GRID. CONNECT TO EXISTING DUCTWORK. BALANCE DIFFUSERS TO ORIGINAL AIRFLOW RATES.
- 5 NEW ACOUSTIC ELBOW.
- 6 LOCATE NEW EXHAUST FAN ABOVE COPIER. REFER TO ARCHITECTURAL PLAN FOR COPIER LOCATIONS. LOCATE FAN NEAR CENTER OF CEILING TILE. FAN TO DISCHARGE TO CEILING PLENUM.
- 7 CAP EXISTING BRANCHES WHERE DUCT IS DEMOLISHED AND TAKEOFF IS ABANDONED.

# HVAC GENERAL NOTES

- A. EXISTING DUCT SEALANT MASTIC CONTAINS ASBESTOS, REFER TO HAZARDOUS MATERIALS REPORT (PINCHIN ENVIRONMENTAL 2016-12-24) AND ABATEMENT SPECIFICATIONS FOR ABATEMENT REQUIREMENTS.
- B. FIRESTOP ALL MECHANICAL PENETRATIONS THROUGH FIRE-RATED FLOOR AND WALL ASSEMBLIES. SEE ARCHITECTURAL DRAWINGS FOR LOCATION AND TYPE OF RATINGS.
- C. DUCT TRANSITIONS MAY NOT BE SHOWN IN DETAIL ON PLAN. REFER TO DETAILS SHEETS AND SMACNA - HVAC DUCT CONSTRUCTION STANDARDS FOR REQUIRED DUCT TRANSITIONS AND FITTINGS. ALL DUCT TAPS TO BRANCH DUCTS SHALL HAVE 45 DEGREE ENTRY FITTINGS.
- D. INSTALL FIRE DAMPERS ON ALL DUCTS PENETRATING FIRE RATED WALL ASSEMBLIES. COMPLETE WITH ACCESS DOORS. SEE STANDARD DETAIL. REFER TO ARCHITECTURAL DRAWING FOR WALL TYPES.
- E. COORDINATE FINAL THERMOSTAT INSTALLATION HEIGHT AND DISTANCE FROM DOOR WITH ARCHITECT. THERMOSTAT TO BE LOCATED BETWEEN 1400 TO 1500 MM ABOVE FLOOR.
- F. REFER TO SPECIFICATION FOR ADDITIONAL STANDARD INSTALLATION DETAILS.
- G. DUCT INSULATION MATERIALS SHALL MEET SMOKE AND FLAME SPREAD REQUIREMENTS FOR PLENUM INSULATION.
- H. DUCT INSULATION SHALL FOLLOW THE SCHEDULES IN THE SPECIFICATION AS A MINIMUM REQUIREMENT. THESE REQUIREMENTS SHALL APPLY REGARDLESS OF WHETHER OR NOT DUCT INSULATION IS SHOWN ON THE DRAWINGS.
- I. WHERE DUCT INSULATION IS SHOWN ON THE DRAWINGS (EITHER WITH THE HATCHING CONVENTION OR BY MEANS OF A KEY NOTE) AND EXCEEDS THE REQUIREMENTS OF THE SCHEDULES IN THE SPECIFICATION, THE ADDITIONAL INSULATION REQUIREMENTS SHALL BE MET.
- J. PROVIDE MANUAL BALANCE DAMPERS FOR EACH EXHAUST, SUPPLY, AND RETURN GRILLE WHERE AN AIR VOLUME HAS BEEN PROVIDED.
- K. INSTALL BALANCE DAMPERS AS FAR AWAY FROM GRILLES OR DIFFUSERS SERVED AS PRACTICALLY POSSIBLE.
- L. INSTALL ALL BALANCE DAMPERS IN AN EASILY ACCESSIBLE LOCATION. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF GRILLES AND DIFFUSERS.
- M. ALL EXHAUST FAN UNITS SHALL BE HUNG FROM STRUCTURE COMPLETE WITH SPRING VIBRATION ISOLATION AND ISOLATING FLEX DUCT CONNECTIONS.
- N. THE INTERRUPTION OF ANY SERVICES SHALL BE COORDINATED WITH THE BUILDING END USER AND SHALL BE KEPT TO A MINIMUM.



2 SECOND FLOOR TRAINING ROOM 207 AND OFFICES PLAN - HVAC  
M1.6 SCALE: 1 : 100



O	ISSUED FOR CONSTRUCTION	2017-04-24
Revision	Description	Date
Client		client

## PUBLIC WORK AND GOVERNMENT SERVICES CANADA

Project title  
CRA WINNIPEG TAX-CENTRE FIT-UP

WINNIPEG, MANITOBA

Designed by DR	Conçu par
Drawn by EB	Dessiné par
Approved by DS	Approuvé par
PWSSC Project Manager Jason Frozza	Administrateur de Projets TPSGC
Drawing Title	Titre du dessin

SECOND FLOOR PARTIAL PLAN -  
HVAC - RENOVATION

Project no./No. du projet R.078618	Drawing no./No. du dessin M1.6 OF	Revision no.
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