



0	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**

Drawn by  
**EB**

Approved by  
**DS**

PW/GSC Project Manager  
**Jason Frozza**

Administrateur de Projets TPS/GC

Drawing Title  
**SECOND FLOOR PARTIAL PLAN -  
HVAC - RENOVATION**

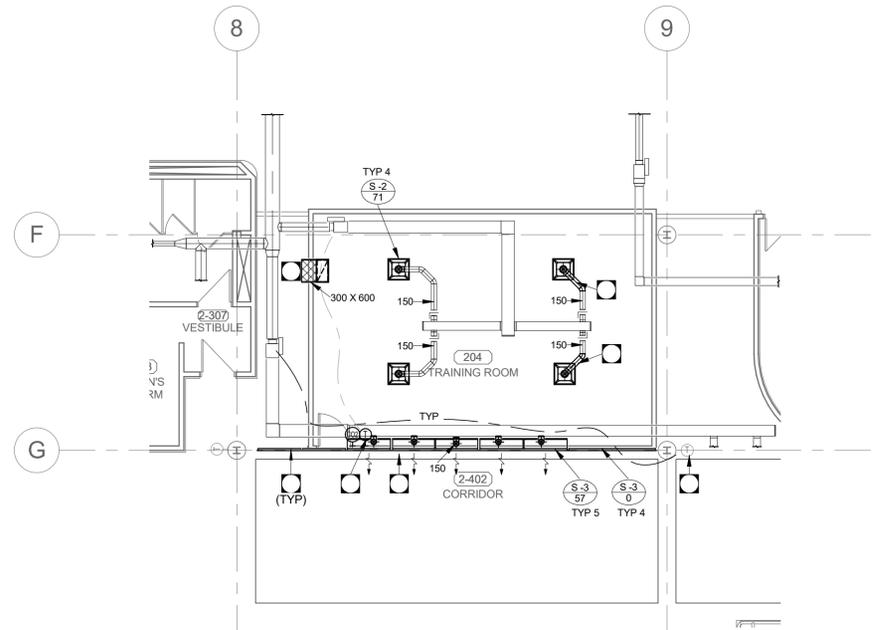
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<b>R.078618</b>	<b>M1.6</b>	<b>OF</b>

**KEY NOTES**

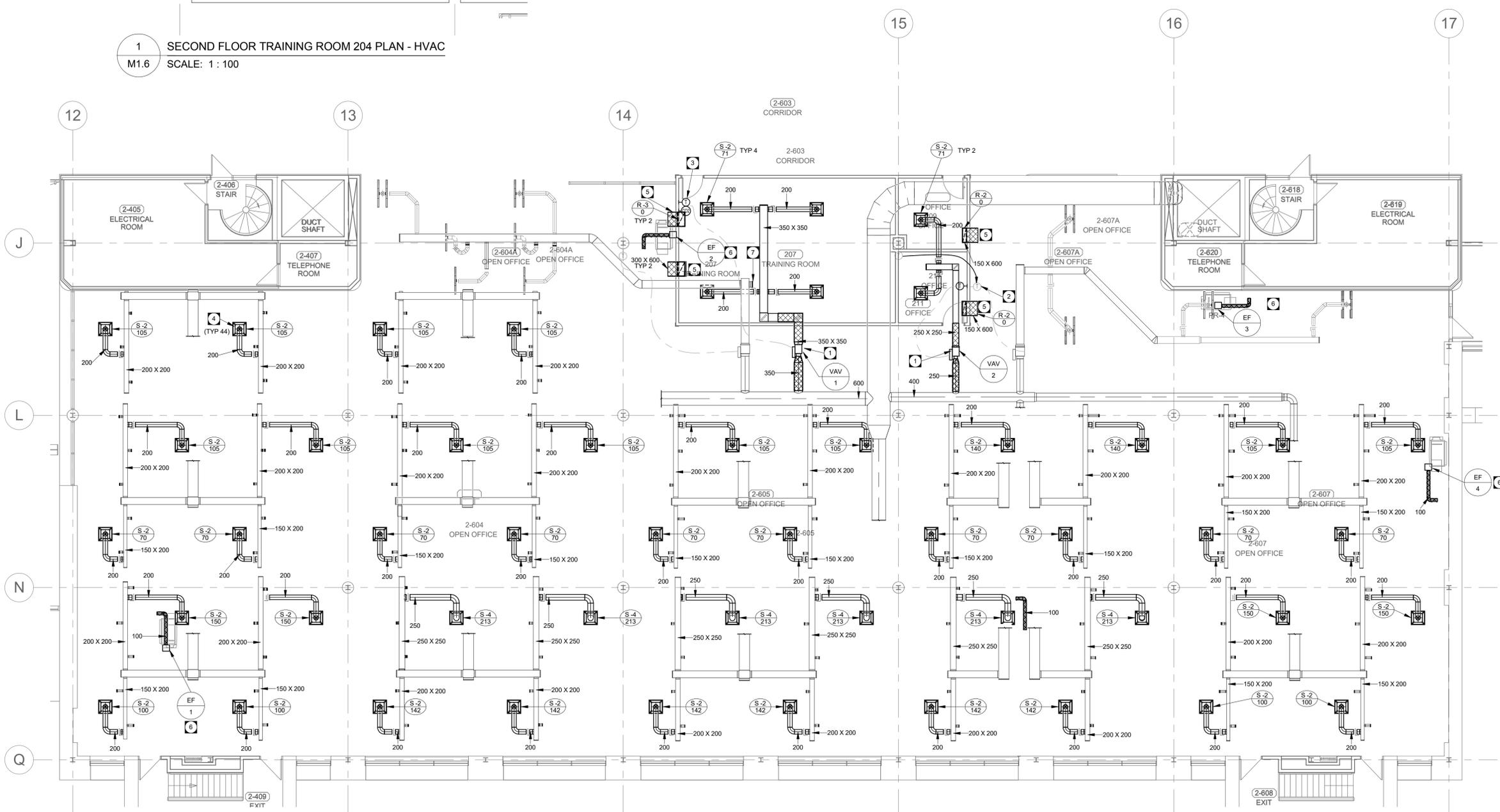
- 1 NEW SINGLE DUCT VAV.
- 2 RELOCATED THERMOSTAT.
- 3 NEW THERMOSTAT WITH CO2 MONITORING AND CONTROL.
- 4 PROVIDE DUCT WITH NEW SQUARE PLAQUE DIFFUSER IN NEW CEILING GRID. CONNECT TO EXISTING DUCTWORK. BALANCE DIFFUSERS TO ORIGINAL AIRFLOW RATES.
- 5 NEW ACOUSTIC ELBOW.
- 6 LOCATE NEW EXHAUST FAN ABOVE 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.
- N. ALL EXHAUST FAN UNITS SHALL BE HUNG FROM STRUCTURE COMPLETE WITH SPRING VIBRATION ISOLATION AND ISOLATING FLEX DUCT CONNECTIONS.
- O. THE INTERRUPTION OF ANY SERVICES SHALL BE COORDINATED WITH THE BUILDING END USER AND SHALL BE KEPT TO A MINIMUM.



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



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

