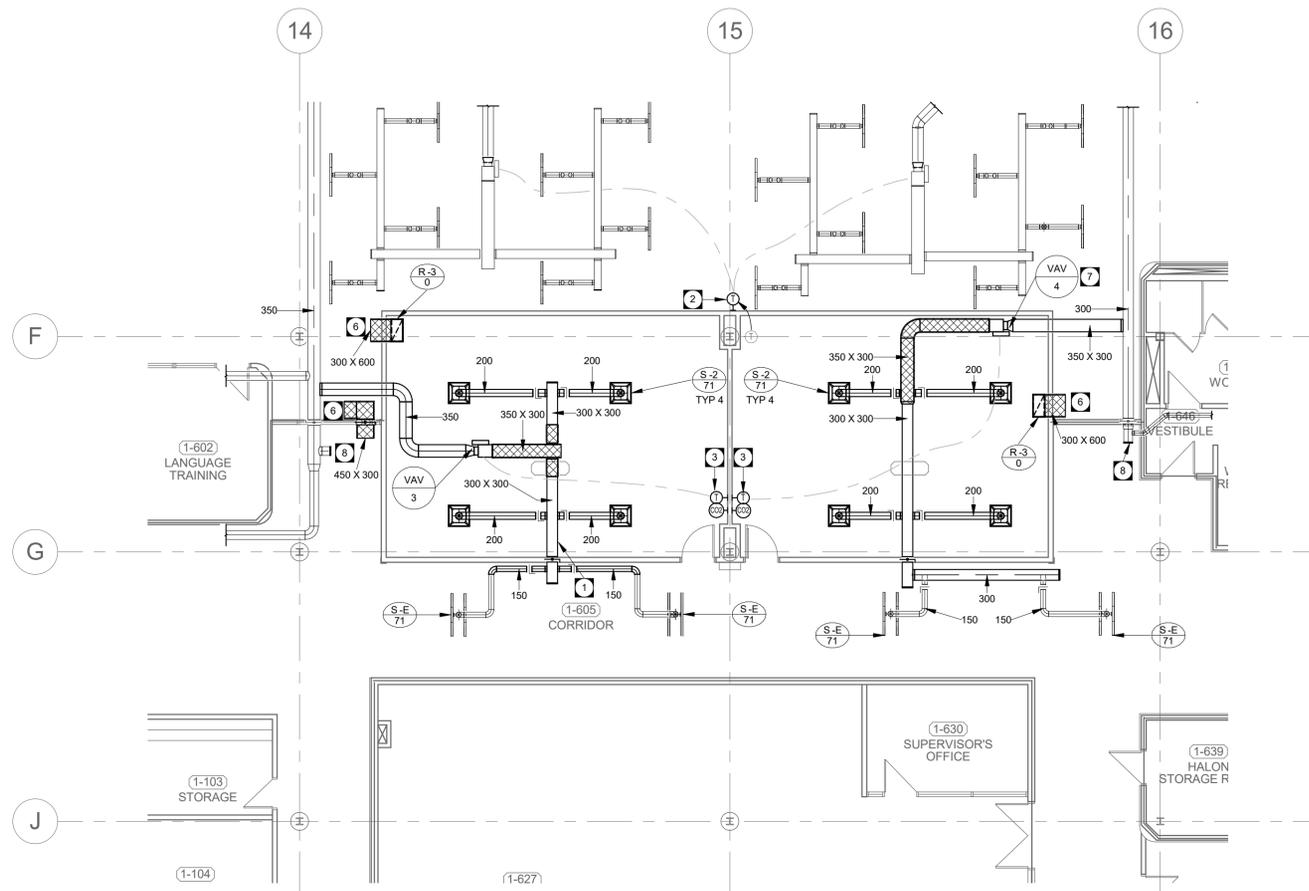
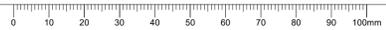


1 MAIN FLOOR TRAINING ROOM 324 - HVAC
M1.5 SCALE: 1 : 100



2 MAIN FLOOR TRAINING ROOM 207 AND OFFICE - HVAC
M1.5 SCALE: 1 : 100



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.

KEY NOTES

- 1. CONNECT NEW TO EXISTING.
- 2. RELOCATED THERMOSTAT.
- 3. NEW THERMOSTAT WITH CO2 MONITORING AND CONTROL.
- 4. NEW DIFFUSERS WITH NEW VERTICAL DUCT, ELBOW AND DUCTWORK TO CONNECT TO EXISTING DUCTWORK.
- 5. EXISTING ACOUSTIC ELBOW WITH FIRE DAMPER.
- 6. NEW ACOUSTIC TRANSFER.
- 7. EXISTING VAV - RELOCATED.
- 8. CAP EXISTING BRANCHES WHERE DUCT IS DEMOLISHED AND TAKEOFF IS ABANDONED.



Certificate of Authorization
Epp Siepman Engineering Inc.
No. 4035



Revision	Description	Date
0	ISSUED FOR CONSTRUCTION	2017-04-24

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**

PWSSC Project Manager: **Jason Frezza**
Administrateur de Projets TPSGC

Drawing Title
MAIN FLOOR PARTIAL PLAN - HVAC - RENOVATION

Project no./No. du projet	Drawing no./No. du dessin	Revision no.
R.078618	M1.5 OF	