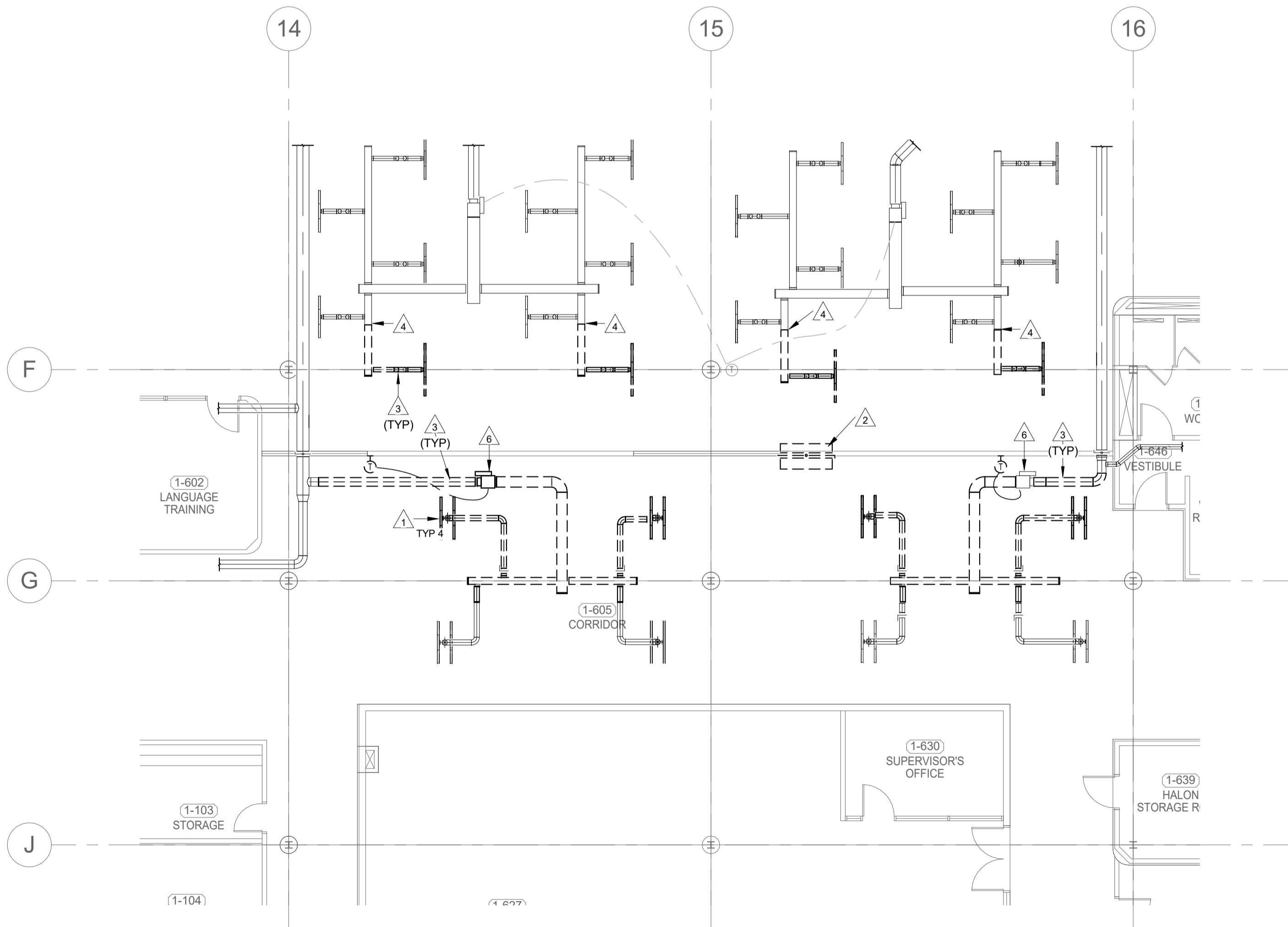


1 MAIN FLOOR TRAINING ROOM 324 - DEMOLITION - HVAC
M1.3 SCALE: 1 : 100



2 MAIN FLOOR TRAINING ROOMS 120, 121 - DEMOLITION - HVAC
M1.3 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.
- M. 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.

KEY NOTES

- 1 DEMOLISH EXISTING DIFFUSERS AND TURN OVER TO BUILDING REPRESENTATIVE.
- 2 DEMOLISH AIR TRANSFER AND FIRE DAMPER WITH WALL.
- 3 REFER TO ASBESTOS ABATEMENT SPECIFICATIONS FOR DUCT SEALANT REMOVAL. WHERE AIR HANDLING SYSTEM IS OPERATIONAL DURING ABATEMENT PROCESS, CLOSE VAV TO ISOLATE AIR FROM AFFECTED DUCTWORK. CUT DUCTWORK AT LOCATION AWAY FROM ASBESTOS CONTAINING SEALANT AND CAP RETAINED DUCT BEFORE STARTING ABATEMENT PROCESS.
- 4 CAP EXISTING BRANCHES WHERE DUCT IS DEMOLISHED AND TAKEOFF IS ABANDONED.
- 5 DEMOLISH EXISTING FIRE DAMPER AND TRANSFER DUCT. COORDINATE EXISTING WITH OPENING FOR NEW ACOUSTIC ELBOW WITH FIRE DAMPER.
- 6 DEMOLISH VAV AND CONNECTED THERMOSTAT.

HVAC LEGEND

	SUPPLY AIR/OUTSIDE AIR DUCT RISER
	RETURN AIR/EXHAUST AIR DUCT RISER
	MANUAL BALANCING DAMPER
	FIRE DAMPER & ACCESS DOOR
	TURNING VANES
	THERMAL INSULATION
	ACOUSTIC INSULATION
	DIFFUSER TAG / GRILLE TAG
	EQUIPMENT TAG
	KEY NOTE
	DEMOLITION NOTE
	THERMOSTAT - LOW VOLTAGE
	CARBON DIOXIDE SENSOR

