



1 MH2.1 MAIN FLOOR HVAC DEMOLITION PARTIAL PLAN - ZONE 1
 MH2.1 SCALE: 1 : 50

HVAC GENERAL NOTES

- A. FIRESTOP ALL MECHANICAL PENETRATIONS THROUGH FIRE-RATED FLOOR AND WALL ASSEMBLIES. SEE ARCHITECTURAL DRAWINGS FOR LOCATION AND TYPE OF RATINGS. 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. 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.
- B. ALL DUCTWORK SHALL BE SEALED AND INSULATED ACCORDING TO THE MECHANICAL SPECIFICATIONS.
- C. COORDINATE FINAL THERMOSTAT INSTALLATION HEIGHT AND DISTANCE FROM DOOR WITH ARCHITECT.
- D. REFER TO SPECIFICATION FOR ADDITIONAL STANDARD INSTALLATION DETAILS.
- E. DUCT INSULATION MATERIALS SHALL MEET SMOKE AND FLAME SPREAD REQUIREMENTS FOR PLENUM INSULATION.
- F. 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.
- G. 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.
- H. PROVIDE MANUAL BALANCE DAMPERS FOR EACH EXHAUST, SUPPLY, AND RETURN GRILLE WHERE AN AIR VOLUME HAS BEEN PROVIDED.
- I. INSTALL BALANCE DAMPERS AS FAR AWAY FROM GRILLES OR DIFFUSERS SERVED AS PRACTICALLY POSSIBLE.
- J. INSTALL ALL BALANCE DAMPERS IN AN EASILY ACCESSIBLE LOCATION.
- K. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF GRILLES AND DIFFUSERS.
- L. REFER TO CONTROLS SCHEMATICS FOR REQUIREMENTS FOR SENSORS, ACTUATORS AND OTHER CONTROLS COMPONENTS.
- M. CONTRACTOR SHALL SCAN FOR REBAR AND CONDUIT AND PROVIDE RESULTS OF SCAN IN WRITING TO OWNER PRIOR TO CORING OR DRILLING IN ANY CONCRETE WALL OR FLOOR.
- N. AT DUCT HEATER INTAKE, INSTALL A MINIMUM OF 24" STRAIGHT DUCT. INSTALL A MINIMUM OF 30" OF DUCT BETWEEN DIFFUSER, GRILLE OR ACCESS DOOR AND DUCT HEATER DISCHARGE. INSTALL HEAT SUCH THAT THERE IS 24" CLEARANCE BETWEEN CONTROL BOX COVER AND ANY OBSTRUCTION.
- O. FRESH AIR INTAKES SHALL BE A MINIMUM OF 3 METERS FROM ALL EXHAUST DISCHARGES. COMPLETE WITH LOUVER, BACKDRAFT DAMPER AND BIRD SCREEN.

KEY NOTES

- 1 DEMOLISH EXISTING VAV BOX, DUCTWORK AND ASSOCIATED DIFFUSERS. NOT ALL DUCTWORK IS SHOWN. REVIEW SITE FOR CONNECTION FROM DIFFUSERS TO DUCT MAINS.
- 2 CAP DUCTWORK FROM BASEMENT AIR HANDLER.
- 3 DEMOLISH EXISTING KITCHEN HOOD EXHAUST FAN AND ASSOCIATED EXHAUST DUCT.
- 4 DEMOLISH HOOD AND DUCT WORK TO THE EXTERIOR.
- 5 TWO LOUVERS LOCATED ON THE EXTERIOR. LOWER LOUVER CONNECTED TO THE GREASE HOOD SYSTEM TO BE REMOVED. PATCH AND REPAIR BY GENERAL CONTRACTOR. REFER TO ARCHITECTURAL PLANS.
- 6 REMOVE AND TURN OVER TO OWNER THERMOSTATS FOR RENOVATED AREAS.
- 7 DEMOLISH DUCT AND CONNECTIONS TO VAV AS SHOWN. RETAIN VAV AND THERMOSTAT FOR RELOCATION IN RENOVATION PLANS.
- 8 DUCT AND INSULATION FOR WASHROOM EXHAUST IS TO REMAIN.
- 9 CAP DUCT AND PROVIDE NEW CONNECTION IN RENOVATION.

HVAC LEGEND

	SUPPLY AIR/OUTSIDE AIR DUCT RISER
	RETURN AIR/EXHAUST AIR DUCT RISER
	MANUAL BALANCING DAMPER
	FIRE DAMPER & ACCESS DOOR
	SMOKE DAMPER & ACCESS DOOR
	MOTORIZED DAMPER, BLADES PARALLEL W/ FLOOR UNLESS NOTED OTHERWISE
	BACK DRAFT DAMPER
	TURNING VANES
	THERMAL INSULATION
	ACOUSTIC INSULATION
	DIFFUSER TAG / GRILLE TAG
	EQUIPMENT TAG
	KEY NOTE
	DEMOLITION NOTE
	THERMOSTAT - LOW VOLTAGE
	CARBON DIOXIDE SENSOR



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