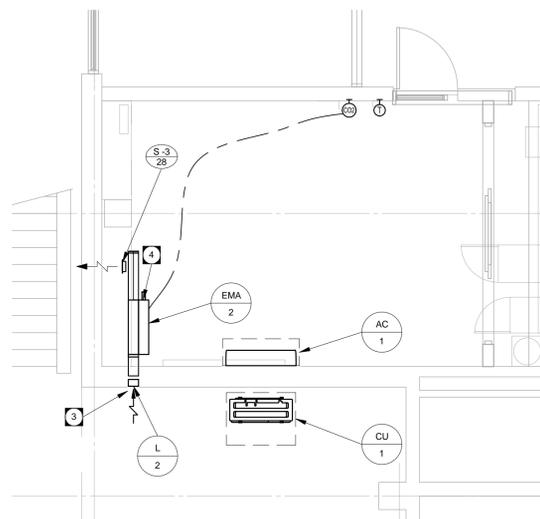


1 MAIN FLOOR PARTIAL PLAN - HVAC ZONE 1
 MH2.2 SCALE: 1 : 50



2 MAIN FLOOR PARTIAL PLAN - HVAC ZONE 4
 MH2.2 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.
- B. 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.
- C. 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.
- D. ALL DUCTWORK SHALL BE SEALED AND INSULATED ACCORDING TO THE MECHANICAL SPECIFICATIONS.
- E. COORDINATE FINAL THERMOSTAT INSTALLATION HEIGHT AND DISTANCE FROM DOOR WITH ARCHITECT.
- 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. REFER TO CONTROLS SCHEMATICS FOR REQUIREMENTS FOR SENSORS, ACTUATORS AND OTHER CONTROLS COMPONENTS.
- O. 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.
- P. 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.
- Q. 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 NEW RANGE HOOD TO BE CONNECTED TO ABANDONED LOUVER.
- 2 CONNECT RANGE HOOD TO EXISTING LOUVER. PROVIDE WITH BACK DRAFT DAMPER.
- 3 NEW FRESH AIR LOUVER AT HIGH LEVEL. COORDINATE EXACT LOCATION WITH GENERAL CONTRACTOR.
- 4 OPERATION OF OUTDOOR AIR FAN BASED ON LOCAL CO2 CONTROL.
- 5 PROVIDE NEW ACOUSTIC ELBOW RETURNS.
- 6 RECONNECT SALVAGED VAV AND THERMOSTAT SERVING ENTRY DIFFUSER. THERMOSTAT TO BE MOUNTED ON COLUMN.
- 7 PROVIDE ACOUSTIC RETURN ON FAN COIL.
- 8 EXISTING ROOF DRAINAGE PIPE IN THIS LOCATION DUCT TO PASS BELOW OR ABOVE. COORDINATE DUCT ROUTE WITH GENERAL CONTRACTOR WITH FINIAL CEILING HEIGHTS.
- 9 PROVIDE CO2 DETECTION CONTROLS FOR EMA-1.
- 10 REPAIR DAMAGED INSULATION ON FIRST 300MM OF WASHROOM EXHAUST.

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No. DATE: REVISION / ISSUANCE

Seal



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Project BID OPPORTUNITY 1034-2015

PAN AM POOL INTERIOR RENOVATION

25 POSEIDON BAY

Sheet Title

**MAIN FLOOR - HVAC
 RENOVATION PLAN**

Project No.

15087

Date
 FEB 29 2016

Sheet

MH2.2