



**LOWER LEVEL MECHANICAL ROOM**  
SCALE: 1" = 20'-0"

**PLAN NOTES:**

- 1 DISCONNECT AND REMOVE EXISTING WALL MOUNTED PNEUMATIC THERMOSTAT. ABANDON CONTROL TUBING IN WALLS. PROVIDE AND INSTALL NEW WALL MOUNTED DIGITAL ROOM SENSOR. RISE CONTROL WIRING UP IN WALLS TO ABOVE CEILING AND CONNECT TO CORRESPONDING VAV BOX WITH RE-HEAT COIL. CONTRACTOR TO FIELD VERIFY EXACT LOCATIONS OF EXISTING EQUIPMENT.
- 2 BASE BID: REPLACE EXISTING VAV BOX AND HOT WATER RE-HEAT COIL WITH NEW AS SPECIFIED. REPLACE EXISTING FLEX HOSES AT EACH UNIT. EXTEND EXISTING HIGH PRESSURE DUCT AND LOW PRESSURE DUCTS AS REQUIRED FOR CONNECTION TO NEW EQUIPMENT. EXTEND EXISTING HYDRONIC PIPING AS REQUIRED FOR NEW COIL LOCATION. REMOVE ALL PNEUMATIC CONTROLS FROM EXISTING BOX AND PROVIDE NEW DIGITAL CONTROLS AS REQUIRED FOR NEW BUILDING DDG SYSTEM. SEE SPECIFICATIONS. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS, SIZES AND LOCATIONS OF EXISTING PIPING AND DUCTWORK, AND SPACE AVAILABLE ABOVE CEILING. CONTRACTOR TO FIELD VERIFY EXACT LOCATIONS OF EXISTING EQUIPMENT. REMOVE ALL EXISTING PNEUMATIC TUBING IN BUILDING WHERE ACCESSIBLE.
- ALTERNATE BID ITEM #3: MOUNT NEW VAV BOX JUST ABOVE CEILING UNDER ALTERNATE BID. EXTEND HIGH PRESSURE AND LOW PRESSURE DUCTWORK DOWN AS REQUIRED TO CONNECT FOR NEW BOX LOCATION. EXTEND HYDRONIC PIPING DOWN TO NEW BOX LOCATION. CONTRACTOR TO FIELD VERIFY ALL EXISTING PIPING AND DUCT SIZES AND SPACE AVAILABLE FOR NEW BOX LOCATIONS.
- 3 EXISTING CEILING MOUNTED UNIT HEATER TO REMAIN. REMOVE ALL PNEUMATIC CONTROLS FROM EXISTING UNIT AND PROVIDE NEW DIGITAL CONTROL AS REQUIRED FOR NEW BUILDING DDG SYSTEM. CONTRACTOR TO FIELD VERIFY EXACT LOCATIONS OF EXISTING EQUIPMENT. REMOVE ALL EXISTING PNEUMATIC TUBING IN BUILDING WHERE ACCESSIBLE. REPLACE EXISTING WALL MOUNTED THERMOSTAT WITH NEW DIGITAL SENSOR AND CONNECT TO EXISTING UNIT HEATER AND TO NEW BUILDING CONTROL SYSTEM. SEE SPECIFICATIONS.
- 4 EXISTING FAN COIL UNIT AND DX COOLING COIL TO REMAIN. EXISTING CONDENSING UNIT TO REMAIN. REMOVE ALL EXISTING PNEUMATIC CONTROLS FROM EQUIPMENT AND PROVIDE NEW DIGITAL CONTROLS AS REQUIRED FOR NEW BUILDING DDG SYSTEM. CONTRACTOR TO FIELD VERIFY EXACT LOCATIONS OF EXISTING EQUIPMENT. REMOVE ALL EXISTING PNEUMATIC TUBING WHERE ACCESSIBLE.
- 5 EXISTING AIR HANDLER WITH HEATING COILS TO REMAIN. REMOVE ALL EXISTING PNEUMATIC CONTROLS FROM EQUIPMENT AND PROVIDE NEW DIGITAL CONTROLS AS REQUIRED FOR NEW BUILDING DDG SYSTEM. CONTRACTOR TO FIELD VERIFY EXACT LOCATIONS OF EXISTING EQUIPMENT. REMOVE ALL EXISTING PNEUMATIC TUBING WHERE ACCESSIBLE. CONTRACTOR TO PROVIDE AND INSTALL NEW CHILLED WATER COOLING COIL IN EXISTING UNIT AS SPECIFIED. REFER TO LARGE SCALE PLANS ON SHEET M2.1 AND TO CHILLED WATER PIPING DIAGRAM ON SHEET M3.1 FOR TYPICAL PIPE CONNECTIONS.
- 6 REPLACE EXISTING RELIEF AIR DAMPER AND PNEUMATIC DAMPER MOTOR WITH NEW 24 VOLT ELECTRIC MOTOR AS REQUIRED FOR NEW BUILDING DDG SYSTEM. CONTRACTOR TO FIELD VERIFY EXACT LOCATIONS OF EXISTING EQUIPMENT. REMOVE ALL EXISTING PNEUMATIC TUBING WHERE ACCESSIBLE. SEE SPECIFICATIONS.
- 7 PROVIDE AND INSTALL NEW AIR COOLED CHILLER AS SPECIFIED. MOUNT CHILLER ON TOP OF STRUCTURAL MEZZANINE. REFER TO ARCHITECTURAL DRAWINGS. WITH VIBRATION ISOLATORS AT EACH SUPPORT POINT. REFER TO CHILLER PIPING DIAGRAM ON SHEET M3.1 FOR TYPICAL PIPING CONNECTIONS.
- 8 PROVIDE AND INSTALL NEW 3-WAY CONTROL VALVE IN HYDRONIC PIPING AT THIS LOCATION. CONNECT TO CONTROL SYSTEM.

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PROJECT: **MADISON MIDDLE SCHOOL A/C**  
MADISON COUNTY SCHOOL DISTRICT # 921  
REXBURG, IDAHO

DRAWING TITLE: **OVERALL MECHANICAL FLOOR PLAN**

#	DATE	COMMENT

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**M1.0**

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ORIGINAL DRAWING SIGNED BY: DWAYNE C. SUDNEEKS  
DATE ORIGINAL SIGNED: Feb 15, 2014  
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**OVERALL MECHANICAL FLOOR PLAN**  
SCALE: 1" = 20'-0"

