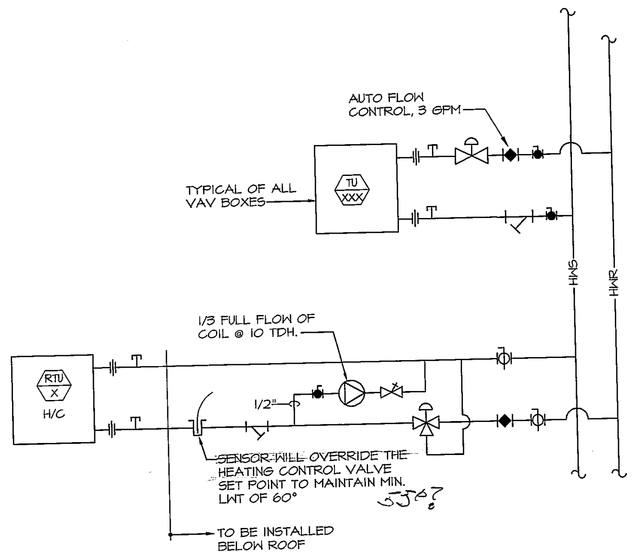
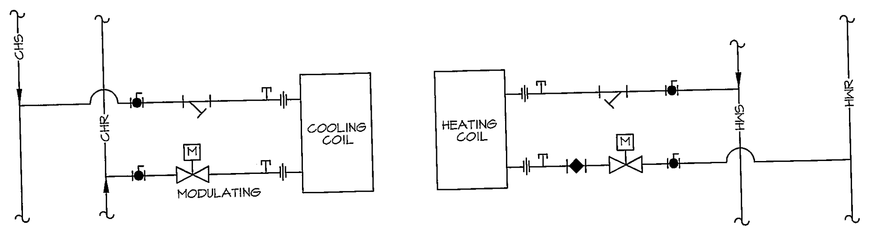
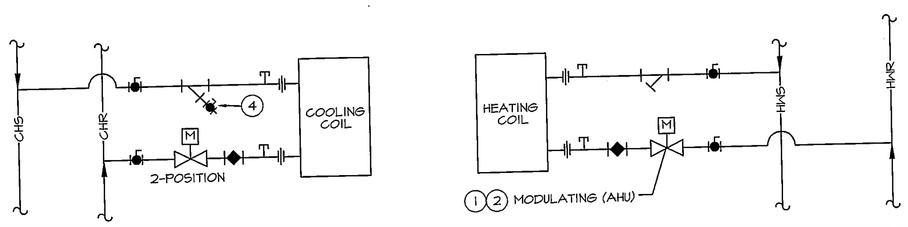


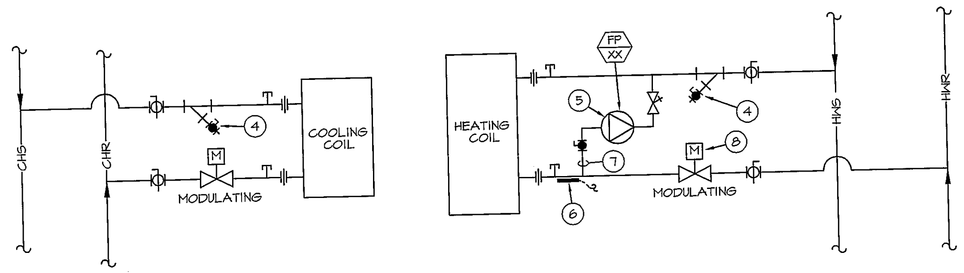
VAV DX/HW-AHU



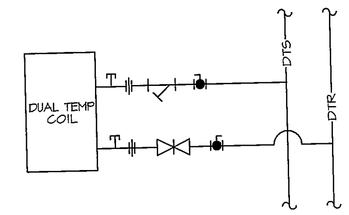
4 PIPE FC - O/A FROM B1



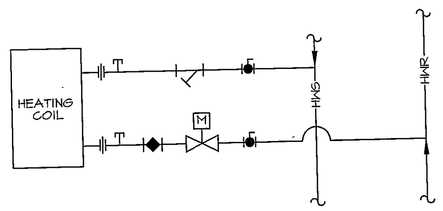
SINGLE HW/CW AHU



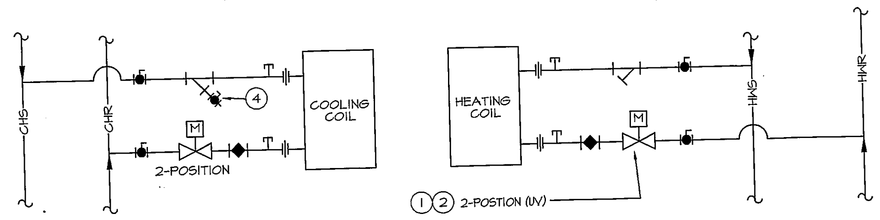
VAV-CW-HW-AHU



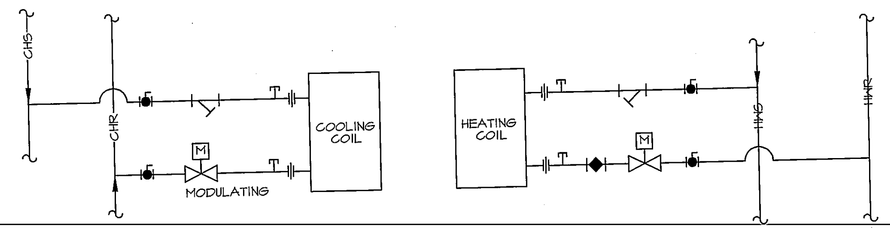
2-PIPE UV & AHU
FACE AND BYPASS CONTROL



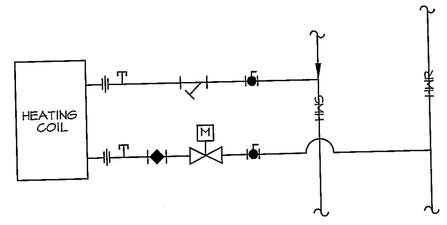
AHU-HW ONLY



4-PIPE UV'S



4 PIPE FC - O/A FROM B2



REPLACE EXIST CABINET HEATERS

HVAC EQUIPMENT SCHEMATIC
SCALE: NONE

NOTES:

1. MODULATING END OF CYCLE VALVE SHALL BE CLOSED WHEN UNIT IS IN COOLING. WHEN IN HEATING UNOCCUPIED-MODE, VALVE SHALL BE 25% OPEN WHEN OAT IS BELOW 35°F, AND CLOSED WHEN OAT IS ABOVE 35°F. DURING HEATING OCCUPIED MODE, DOWN TO 35° OAT F&BP DAMPER SHALL BE 100% FACE AND VALVE SHALL MODULATE TO CONTROL SPACE TEMP. AT OAT OF 35° AND COLDER, VALVE SHALL BE 100% OPEN AND F&BP DAMPER SHALL MODULATE TO CONTROL SPACE TEMPERATURE.
2. TWO-POSITION 'END-OF-CYCLE' VALVE SHALL BE FURNISHED BY UV MANFACTURER FOR ALL UNIT VENTS. VALVE SHALL BE CLOSED WHEN UNIT IS IN COOLING. WHEN UNIT IS UNOCCUPIED, VALVE SHALL BE CLOSED AT OAT ABOVE 35°, AND OPEN AT ALL OAT BELOW 35°F.
3. NOT USED
4. BLOWDOWN VALVES ARE REQUIRED ON ALL STRAINERS 2" AND LARGER.
5. FREEZE PROTECTION PUMPS SHALL OPERATE AT ALL TIMES OAT IS BELOW 35°F WHETHER UNIT IS ON OR NOT.
6. STRAP-ON LOW-LIMIT THERMOSTAT SHALL OVERRIDE CONTROL VALVE SIGNAL TO ENSURE THAT COIL LEAVING WATER TEMP. DOES NOT GO BELOW 55°F.
7. PIPE SIZE SHALL MATCH PUMP INLET AND OUTLET.
8. UNOCCUPIED MODE, VALVE SHALL BE CLOSED AT ALL OAT ABOVE 35°F. BELOW 35° OAT, VALVE SHALL OPEN 25%.

NORTH
SCALE: AS NOTED

ARCHITECTS
ENGINEERS
PLANNERS

VEAZEY PARROTT & SHOULDERS

3500 Priority Way S. Dr.
Suite 116
Indianapolis IN 46240
317-574-5970

RENOVATION PROJECT FOR:
DUNELAND SCHOOLS
DUNELAND HIGH SCHOOL/MIDDLE SCHOOL
DUNELAND, INDIANA

Drawing Title:
HVAC EQUIPMENT SCHEMATIC

Project No:	
Project Date:	
CAD file name: XXXXXXX plot date:	
Drawing No:	M 3.0

10-14-03