

MECHANICAL RENOVATIONS
to the
WESTCHESTER INTERMEDIATE SCHOOL
Chesterton, Indiana

Soil

Revision	

Project No.	HN09001
Date	4-21-09
Scale	1/8" = 1'-0"
Drawn By	MSF
Checked By	CC

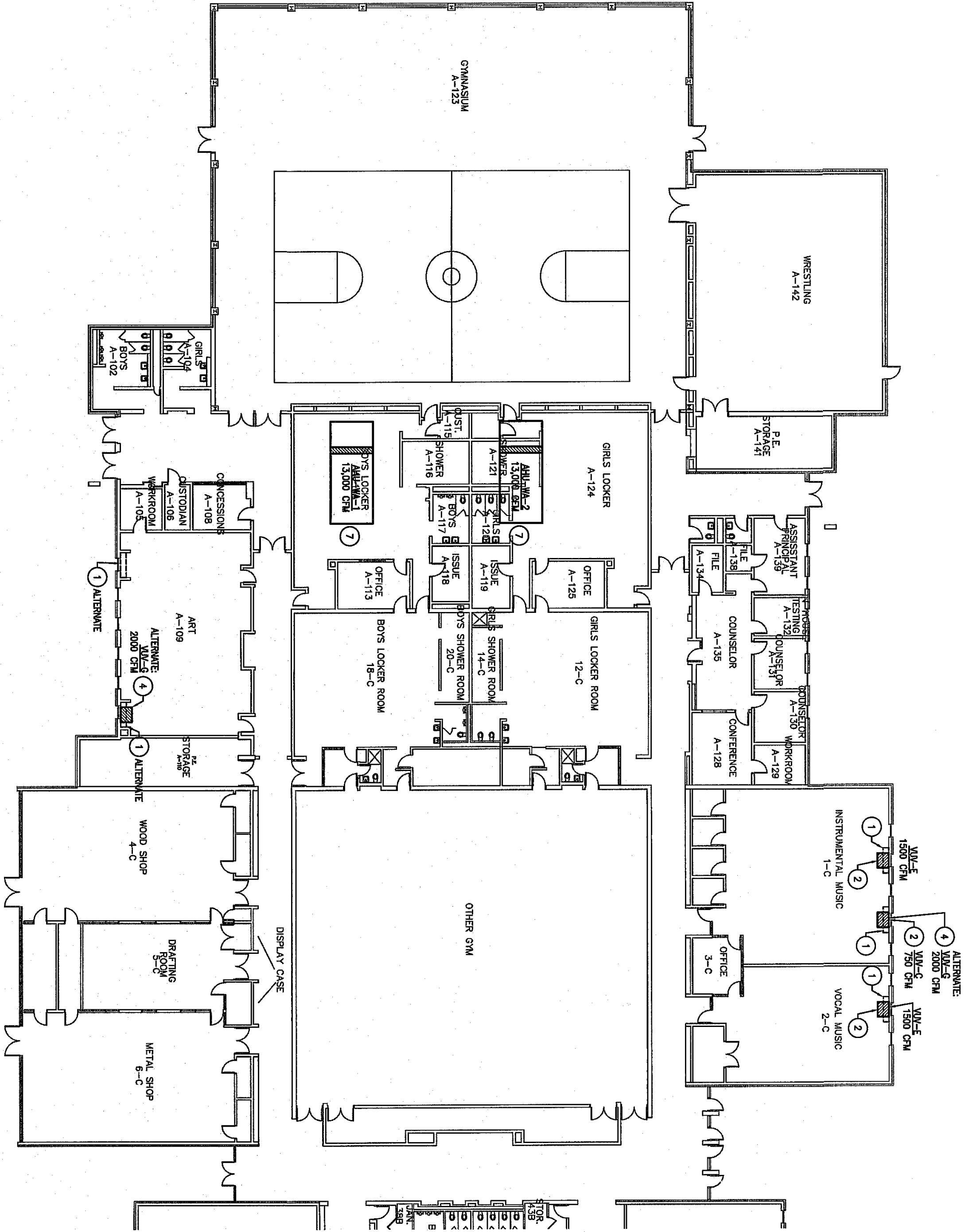
MECH PLAN
UNIT B

Sheet No.

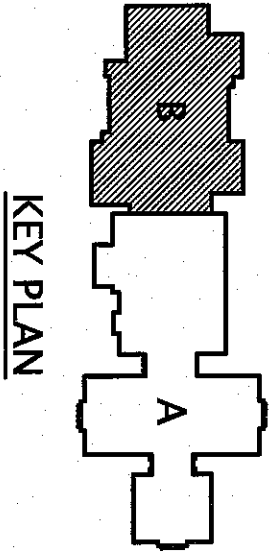
M1.2

PLAN NOTES:

- 1) REPAIR EXISTING CLASSROOM VENTILATOR ENTIRELY. REROUTE PIPING TO NEW UNIT VENTILATOR. EXISTING INTAKE LOUVER TO REMAIN FOR REUSE.
- 2) PROVIDE VERTICAL UNIT VENTILATOR. VENTILATOR TO INCLUDE DRAW THROUGH CONDENSING UNIT LOCATED ON ROOF. UNIT TO REPLACE EXISTING LOUVER THROUGH WALL. SEE TYPICAL CLASSROOM LAYOUT ON THIS SHEET FOR DUCTWORK DETAILS. EXISTING PIPING TO BE REUSED AS CHILLED WATER PIPING. PROVIDE NEW DRAINING WATER PIPING FROM PROPOSED MAIN IN CORRIDOR.
- 3) PROVIDE NEW CLASSROOM UNIT VENTILATOR AS DIRECT CONFIGURATION WITH FACE AND BRASS DAMPERS. REUSE EXISTING PIPING FROM PROPOSED MAIN IN CORRIDOR. REUSE EXISTING LOUVER THROUGH WALL.
- 4) ALTERNATE: ONLY REPLACE ONE CLASSROOM UNIT VENTILATOR IN THIS ROOM WITH ONE VERTICAL UNIT VENTILATOR. REMOVE OTHER UNIT AND BLANK OFF LOUVER.
- 5) PROVIDE 3/4 TON, 3000 CFM ROOF TOP UNIT. CONDENSING UNIT FOR VARIABLE AIR VOLUME WITH UNLOADING CAPABILITY. DUCT UNIT TO FEED (7) VAV TERMINAL UNITS WITH HEATING WATER REHEAT COILS. PROVIDE ALL NEW DUCTWORK, EXISTING DRAINING WATER PIPING FROM PROPOSED MAIN IN CORRIDOR.
- 6) REMOVE EXISTING DUCTWORK AND DIFFUSERS FROM THIS ROOM. PROVIDE 4 TON BLOWER COIL UNIT WITH DX COOLED CONDENSING UNIT LOCATED ON ROOF. PROVIDE DUCTWORK SIMILAR TO TYPICAL CLASSROOM LAYOUT.
- 7) PROVIDE NEW CHILLED WATER COIL IN EXISTING HEATING UNIT. PROVIDE NEW DRAINING WATER PIPING FROM PROPOSED MAIN IN CORRIDOR. IF COIL WILL NOT FIT IN UNIT, INSTALL IN SUPPLY DUCTWORK DOWN STREAM.



UNIT B' MECHANICAL PLAN
1/16" = 1'-0"
NORTH



KEY PLAN