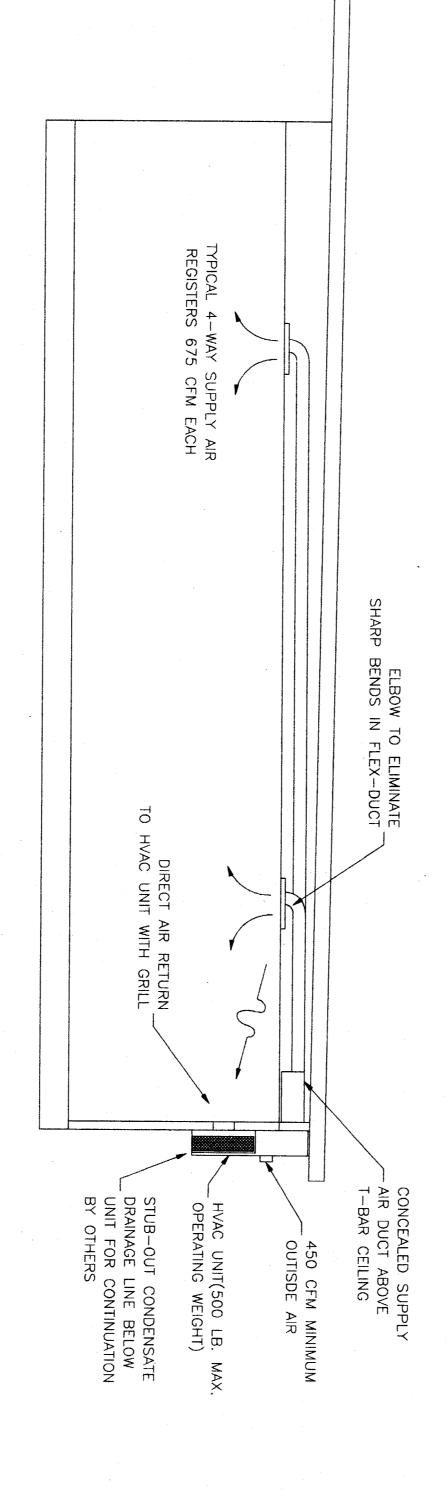
675 CFM 12" 12" HVAC LINED METAL WORK THICK 3 1/2 TON THERMOSTAT SHEET DUCT W/ 1" PROVIDED

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SUPPLY

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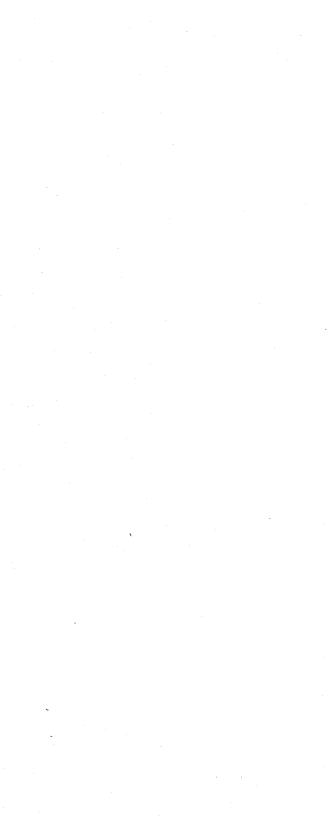
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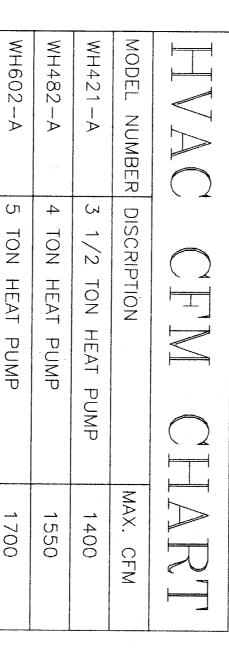
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SUPPORT duct to be strap n to be supported valv. straps min. 2 pand diffusers to be sto box @ opposite and diffusers to be to a possible pand diffuser and supply diffuser and supply d with 1-1/2
2 per plenum.
e supported with (2) 12
ite corners.
e braced with (2) 12 ga.
e braced with supply air
a lateral load equal to
moly air box W/2 #8 SMS. Attach to × 26 rafter W/2#8

H THE DRAWINGS ENERGY CONSERVATION R **IFORNIA** EQUIREMENTS

GENERAL NOTES
HEATING VENTILATING AND AIR CONDITIONING (HVAC)

1. Heat Pump: Single package wall mounted air to air electric heat pump unit shall be rated in accordance with ARI Standard 240-77.

Reference
Brands: BARD WH42A-XXXXX

All units shall be 230/208 volt, 1 tested & approved or comparable standards. phase system, UL and meet current energy

2 A.) The system shall maintain an automatically controlled indoor classroom temperature of 78 degrees F. When the outdoor dry bulb temperature varies between 100 degrees F. in the summer B.) The system must maintain the above temperature when the damper is adjusted to use approximately one third fresh air.

Ductwork.
A.) Construct all ductwork of galvanized sheet metal in accordance with C.M.C., Ashrae Guide Equipment volume and Smacna Low Velocity Duct Construction manual latest editions. All ductwork shabe insulated with 1" thick fiberglass duct wrap with vapor barrier. Provide 1" duct attenuation at all ductwork within 2—'0" of HVAC unit. p with

B.) Non-metallic ductwork option: In accessible concealed portions of duct system rigid 1" fiberglass or insulated flex-duct with vapor barrier may be substituted for sheet metal ductwork. All ductwork within 2' of the HVAC unit and all interface connections shall be metal. Ductwork and reinforcement shall be designed for 2" static pressure. Reference Brands: Owens-Corning fiberglass ducttboard, 1" thick, and Micro-aire, TYPE 475.

Non-metallic ductwork shall conform to NFPA 90-A and SMACNA Class 1 rating.

Air duct insulation and linings shall comply with flame spread less than or equal to 50.

Supply air diffusers shall be 675 CFM max. 12" round. 1" fiberglass or flexduct ductwork specifically designed to provide air thermal cooling systems. 24"x8"x1" Micro-Aire type #475 Owens-Corning, Knauf, Certainteed, or equal and 90-B: UL #131 test, class 1 rating with Renisters and diffusers: Provide three (Min) 4-way

3.

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Registers and diffusers: Provide three (Min) 4—way throw air diffusers as manufactured Carnes, Titus, Hart and Cooley, Metalaire, Shoemaker, Barber—Coleman or Krueger commercial grade grills and registers Air conditioning controls.

Thermostat: Provide electronic programmable thermostat. Thermostat shall have the following

6

7.

 ∞ functions.

A.) 5 and 2 weekday/weekend programming with 4 separate time/temperature setting for 24-hour period. Key board lockout switch.

C.) Programmable display.
D.) 2-hour override minimum.
E.) Status Indicated Led's.
F.) Battery back-up.
Provide locking clear thermostat cover with thermostat cover with access hole for program override. White Rodgers IF92 @ +60" SEALED.

Thermal insulation: R-19 Unfaced.
B.) Walls Insulation: R-11 Kraft Faced.
C.) Floors Insulation: R-11 Kraft Faced.
Flame spread and smoke development shall conform to California Building Code sec. 707.
Factory-made air ducts. Factory-made air ducts shall be approved for the use intended or shall conform to the requirements of U.M.C. Standard No. 6-1. Each portion of a factory-made air duct system shall be identified by the manufacturer with a label or other suitable identification indicating compliancewith U.M.C. Standard No. 6-1 and its class designation. These ducts shall be listed and shall be installed in accordance with the terms of their listing and the requirements of UMC STD. 6-1.

COMPLY

NOTE
STUB OUT LOCATIONS FOR WATER, WASTE AND GAS ARE DIAGRAMITICAL ONLY.
EXACT LOCATIONS MAY VARY +/- SEVERAL FEET. PLEASE CONTACT AMERICAN MODULAR SYSTEMS FOR EXACT LOCATIONS. REVISIONS
DESCRIPTION NO ф₂ DESCRIPTION IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES 08-106605

FLS.

PROJECT

06-20-02

333 EAST CARNEGIE CT. MANTECA, CALIFORNIA 95337 PHONE (209) 825-1921 FAX. (209) 825-7018 (J) BAKERSFIELD SCHOOL

CUSTOMER:

DISTRICT

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24 X 40
RELOCATABLE
CLASSROOMS

MECHANICAL PLAN

NOTES

DRAWN BY:
CHECKED BY:
CHECKED BY:
SERIAL NO.