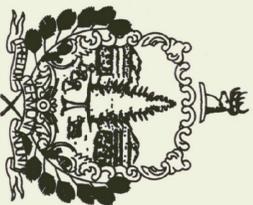


State of Vermont  
 Department of Buildings & General Services  
**TERMINAL BUILDING REROOF**  
 EDWARD F. KNAPP STATE AIRPORT  
 Berlin, Vermont

AGENCY OF ADMINISTRATION  
 DEPT. OF BUILDINGS & GENERAL SERVICES  
 2 GOVERNOR AIKEN AVENUE  
 MONTPELIER, VERMONT 05633-5801  
 THOMAS W. TORTI, COMMISSIONER

Howard Dean, M.D.  
 Governor

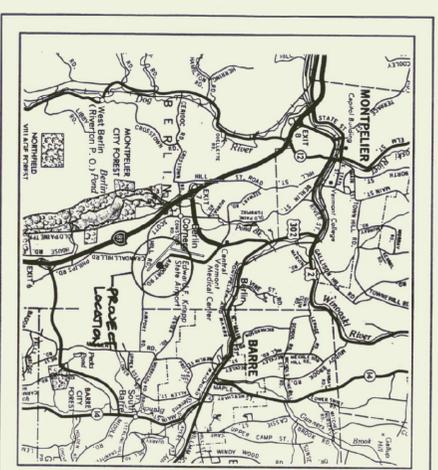


January 2000

A-1 ROOF PLAN & DETAILS

INDEX OF SHEETS

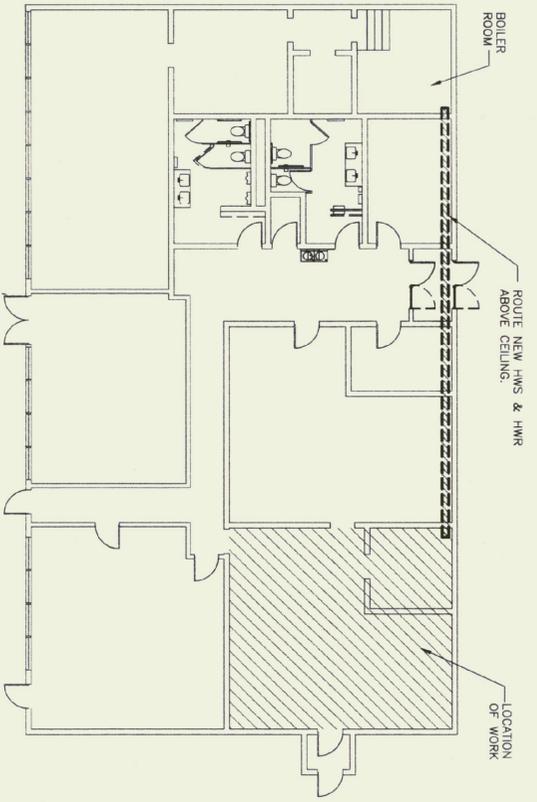
AGENCY OF TRANSPORTATION  
 NATIONAL LIFE BUILDING  
 MONTPELIER, VERMONT 05602  
 BRIAN SEARLES, SECRETARY



PROJECT LOCATION







NOTES

**GENERAL SPECIFICATIONS**  
 Work shall be coordinated with other trades prior to installation to prevent interference and relocations. Provide for a complete and fully functional installation in all respects. Materials and installations shall be of first class in quality and not subject to deterioration or damage. All work shall be done in accordance with the manufacturer's instructions and all associated repairs patch and match existing finishes in integrity and finish.  
 Some miscellaneous portions of the work is not specifically shown or specified, however, provide as part of this work, all supplementary or miscellaneous items, opportunities, devices or materials incidental to or necessary for a sound, secure and complete installation.  
 Submittals: Submit engineering data and cutsheets on all equipment specified herein.  
 Submit: O & M manuals.  
 Provide BGS with 3 sets.

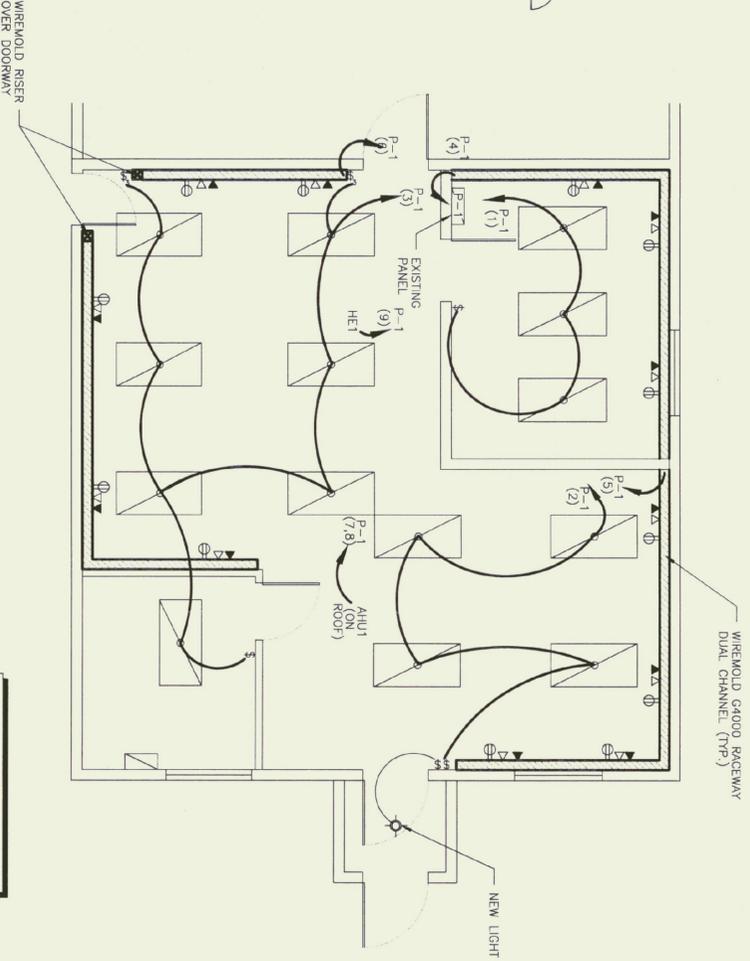
**Start-Up:** Charge systems and provide start up, balance, test and balance all components & diffusers per NEBB.  
**Warranty:** Provide written warranty of all parts and labor for a one year period after final completion and acceptance by owner.  
**Contractor:** A qualified contractor or electrical contractor experienced in controls shall provide the following:  
 BBR: self contained thermostatic valves.  
 Circulator: provide new outdoor air thermostat to control pump through a relay.  
 AHU-1: install Carrier controls as specified.  
 HE-1: install Des Champs controls as specified.

**MECHANICAL EQUIPMENT SCHEDULE**

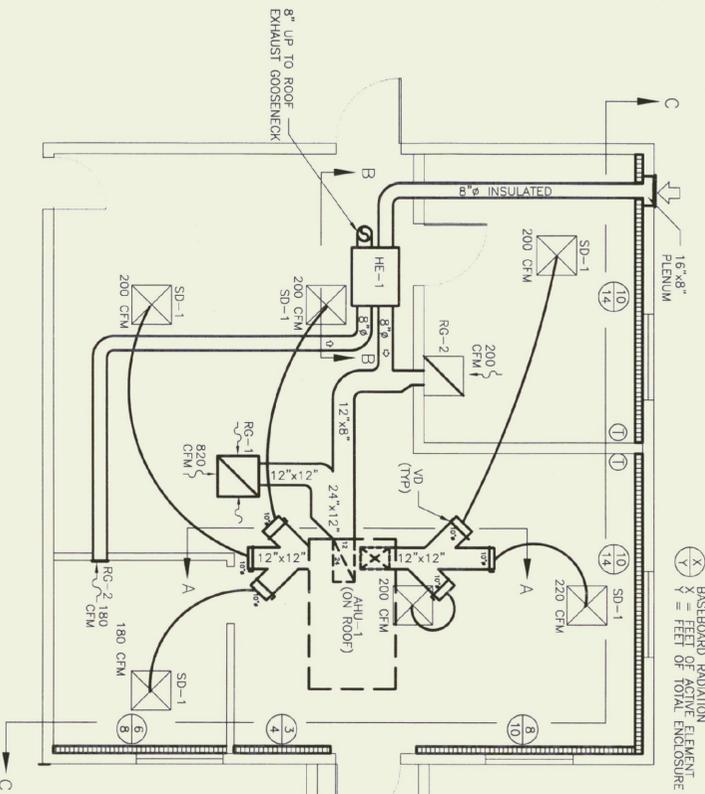
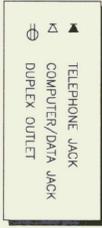
AHU-1: Carrier Single Package Rooftop, High Efficiency Scroll Compressor, Weathermaster Solution, 3 TONS, 1200 CFM AT 0.6" ESP, 1.0 HP 208, 1PH, OPTIONS: APOLLO DDC CONTROLS, SERVICE OPTION PACKAGE A, CONVENIENCE OUTLET, UNIT MOUNTED DISCONNECT, 24" ROOF CURB, THRU THE BOTTOM SERVICE CONNECTION, ELECTRONIC PROGRAMMABLE THERMOSTAT, FM/FILTER STATUS, ACUSENSOR III DIFFERENTIAL ENTHALPY CONTROLLER, CONDENSER COIL HALL GUARD, PARABLADE AND POWER EXHAUSTER.  
 HE-1: Deschamps EVV 320, OPTIONS: REMOTE H/ALO OFF SWITCH, MOTORIZED FRESH AIR DAMPER.  
 BBR: Vulcan DS418, 3 1/4 FN, 18" TALL, 1" COPPER TUBE WITH ACCESSORY COVERS, IN/OUT CORNER CAPS, ACCESS DOORS AND END CAPS (COMPLETED), PRIMED & PAINTED  
 SD-1: 24" x 24" Carnes Sata 40 with 10" Dia. round neck  
 RG-1: 24" x 24" Carnes Basa  
 RG-2: 12" x 12" Carnes Basa  
 P-1: Circulator Grundfos UP 26-64, 6 GPM AT 16 FT HL  
 CV-1 CONTROL VALVE: TOUR AND ANDERSON RVT 3/4" WITH REMOTE ADJUSTER

**MATERIALS SCHEDULE**

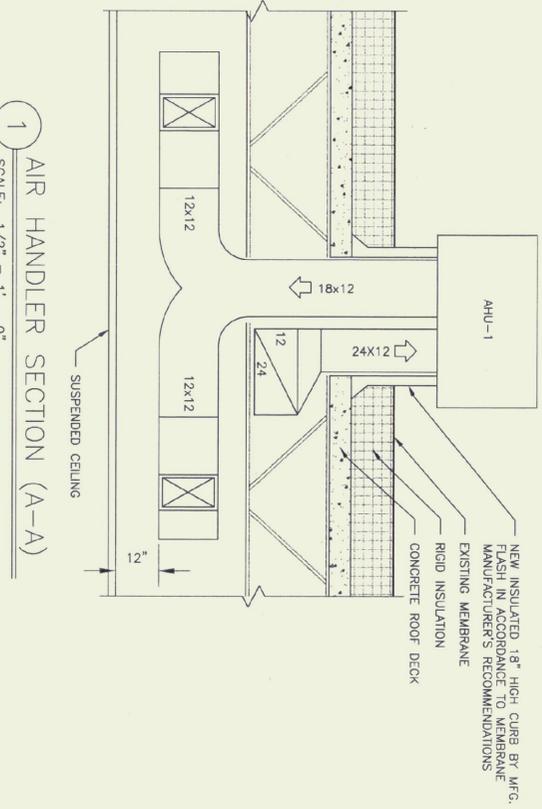
**DUCTWORK:** GALVANIZED STEEL CONSTRUCTION AND GAUGES PER SMACNA HVAC DUCT CONSTRUCTION STANDARDS. SEAL AIR TIGHT WITH APPROVED DUCT SEALANT. FLEX DUCT: INSULATED SPIRAL WOUND FLEXMASTER FABRIFLEX.  
**PIPING:** TYPE L COPPER.  
**INSULATION:** DUCTWORK: 1 1/2" FOIL FACED DUCT WRAP  
 INSULATION: PIPING: INSULATE 1" HWS & HWR WITH 1" FIBERGLASS & ZESTON" FITTING COVERS.  
**ELECTRICAL EQUIPMENT SCHEDULE**  
 FLUORESCENT LIGHTING FIXTURES SHALL BE LITHONIA OPTIMAX 2PMO 340 EXPOSED GRID TYPE (3 LAMP) TO FIT IN A 2'x4' GRID. (TYP. OF 14)  
 VESTIBULE LIGHT TO BE LITHONIA 10970 22W AGRICULTURE CIRCLINE  
 ALL WIREMOLD TO BE G4000 RACEWAY DUAL CHANNEL (TYP.)



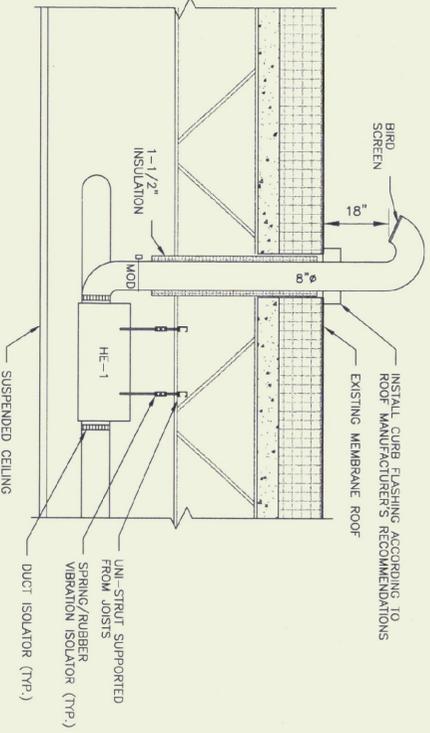
NEW ELECTRICAL PLAN SCALE: 1/4" = 1' - 0"



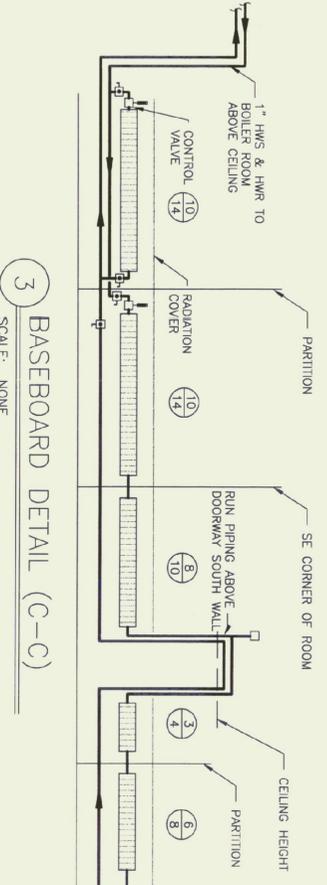
NEW MECHANICAL PLAN SCALE: 1/4" = 1' - 0"



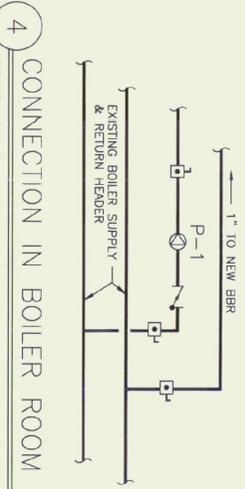
1 AIR HANDLER SECTION (A-A) SCALE: 1/2" = 1' - 0"



2 HEAT EXCHANGER SECTION (B-B) SCALE: 1/2" = 1' - 0"



3 BASEBOARD DETAIL (C-C) SCALE: NONE



4 CONNECTION IN BOILER ROOM SCALE: NONE

REVISIONS	DATE	BY	APPR.

SCALE: AS NOTED  
 DATE: AUG 1998  
 DRAWN BY: G. D. NORWOOD  
 APPR. BY: *W. Miller*

E.F. KNAPP AIRPORT  
 TERMINAL RENOVATION  
 FLOOR PLANS  
 BERLIN, VERMONT



STATE OF VERMONT  
 Department of Buildings  
 and General Services  
 Agency of Administration  
 Montpelier, Vermont

