



CONSULTING ENGINEERS
BENNETT WAD P.O. BOX 297
FREEPORT, MAINE 04032
(207) 865-9475

JOB Loring House (N.Barba) - 2074

DESIGNED BY SP Doel DATE 10 OCT 03

CHECKED BY SP Doel DATE 10 OCT 03

SCALE Not to Scale No, MSK-2

General Mechanical Notes:

1. ~~AC-1A, 1B~~ shall be Mitsubishi Model MSH-09EW, mini-split heat pumps, with a cooling capacity of 8800 Btuh each, 34 pints per hour of moisture removal and 10KW electric heat. The indoor units shall be 120V, 20 A. electrical circuit, with 200 CFM. The outdoor unit (CU-1) shall be Mitsubishi Model MXZ30TN, 230V, 15 A circuit. Refrigerant piping shall be Type ACR tubing with brazed joints, insulated with 1/2" thick Armaflex insulation. Condensate piping shall be Type "L" copper tube, insulated with 1/2" thick Armaflex.

2. The dehumidifier shall be Thermo-Star "Hi-E Dry" Model 195, 220V, 143 Lbs/day moisture removal with dehumidistat and condensate pump.

3. The humidifier (Alternate) shall be DriSteen "Vapormist", or approved equal, with a minimum capacity of 100 lbs/yr., 230V/1Ph.

4. New and existing domestic hot and cold water piping shall be Type "L" copper tube, insulated with 1/2" thick Armaflex. Unless otherwise indicated, unused piping and equipment shall be removed and capped or valved, as required.

5. Frost-proof sillcocks (FFHB) shall be Woodford Model 25, anti-siphon type with removable tee handle. Ball valves shall be Apollo or Watts, bronze body, stainless steel ball.

6. The shower (P2) shall be Aquarius Model G 3215 TP, 32"x34"x16"H two piece gel-coated fiberglass shower unit w/ Symmons "Temprol" pressure-balanced shower valve and head with check-stop inlets. The vanity (P1) shall be Universal-Rundle Model 766303, 30"Wx18"D, with Symmons single handle mixing faucet, pop-up waste and P-trap, water supplies with key-operated stops.

7. Domestic water piping shall be Type "L" copper with soldered joints and insulated with 1/2" thick Armaflex AP unicellular insulation.

8. The existing low pressure steam boiler shall be removed and replaced with a new Weil-McLain Model BL5805 cast-iron sectional boiler with Carlin or Beckett oil burner. Furnish with 15 psig relief valve, tankless coil for domestic water heating and low water cut-off and automatic make-up feeder. Net output shall be 386.0 MBH firing 3.90 GPH. Remove and dispose of existing steam boiler.

9. The electric water heater shall be AO Smith Model PEC-40, 40 gallon, 4500 Watt elements, set at 110°F., foam insulation, 240V, with pressure and temperature relief valve. The water shall be preheated by the tankless coil on the boiler and the thermostatic mixing valve shall be Symmons or Taco.

10. The radon vent fan shall be Fantech Model FX6, 99 cfm at 1.0" wg external static pressure.

11. The toilet exhaust fan shall be Panasonic or Broan, 75 cfm at 2.5"wg external static pressure, 120V, controlled from the light switch.

12. The boiler installation shall include a packaged duplex condensate return unit (pump and receiver) by Hoffman or Domestic. New steam and condensate piping shall be provided as required and insulated with 1" thick fiberglass pipe insulation with ASJ.

ISSUED FOR CONSTRUCTION

Revised 10/16/03