EXHAUST FANS

FF- FXHAUST FAN TO BE WALL FXHAUSTER END24HA-6900 CFM @ 1/8" S. P. 3/4" H. P. MOTTOR BACKORAPT INMPRE AND WALL GRELLE WITH CORROSION PROOF SCREEN.

LOUVER TO BE FURNISHED IN (1 POSITE WALL FOR INTAKE. PROVIDE MOTORIZED LOUVER WITH CRILLE WITH CORROSION PROOF

LOUVER TO BE EQUAL IN SIZE 10 ALMIZO BY CHELSEA.

THIS LOUVER TO BE HOOKED UP WITH EXHAUST FAN SO THAT THEY WILL COME ON TOGETHER.

EXHAUST FANS TO BE PROVIDED FROM RESTROOMS PROVIDE 100 CFM OF AIR FROM EACH RESTRIXM, TIE TOGETHER WITH 4" DUCT AND BRING THRU WALL WITH BACKDILLET PREVENTOR AND BIRD SCREEN. TO BE SWITCHED WITH LIGHTS IN THAT PAN IS ON WHEN LIGHTS ARE

TO PROVIDE VENTILATION AIR IOR OFFICE SPACE, PROVIDED SAME TYPE AS USED FOR RESTROOMS.

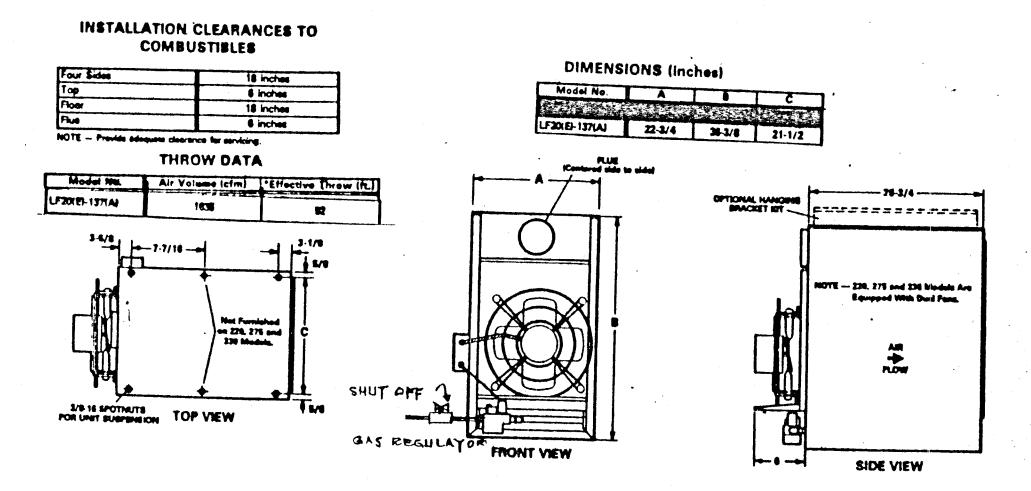
HEATING UNITS

HVAC UNIT Y LENNIK GAS FIRED SUSPENDED HEATERS. LP20(B)-137(A)

PROVIDE MOUNTING BRACKETS

COMESTION AIR AND FILE AS REQUIRED.

UNIT #2 IN EACH OFFICE PROVIDE TWO FOUR FT 120V BASEBOARD



Model No.	14172XE1-137/A
Heating Capacity Input (Bruh)	137,000
Hearting Capacity Oveput (Bruh)	104,100
A.G.A. Thermal Efficiency	78.0%
Flue size (Inches) - round	
Gas Piping Size (Inches) Natural Gas only	1/2
Air volume (cfm)	1636
Fan diameter (inches)	16
Fan motor (hal	1/16
Electrical characteristics 116 value = 80	here - 1 phon
Number of peckages	(A) (基础
Shipping weight (be.)	230

GAS PIPING

Air for Combustion & Ventilation must conform to the Methods outlined in ANSI-2223.1 (National Fuel Gas Co.) For the convenience of the Contractor a portin of the code regarding this project is listed below.

Used Materials: Pipe, fittings valves or other materials shall not be used again unless they are free of foreign materials and have been ascertained to be adequate for the services intended. Fue Gas Pipe shal conform to the following:

Plastic Pipe and tubing ASTMD2513: ASTMD 2517. Steel Pipe ASTM A53: ASTM A106: ASTM A120

Plastic pipe and tubing: shall be used outside underground only. Metallic Pipe and tubing shall be used on systems which supply fuel gas that is not corrosive to the pipe or tubing material. Protective coating: Metallic pipe or tubing exposed to corrosive

action, such as soild conditions or moisture shall be protected with an approved coating. Fittings shall be approved for gas piping systems. The fittings shall be compatible with or the same material as the pipe or tubing.

Bushings shall not be used. Flexible connectors shall bear the label of an approved agency. The connectors shall be a maximum of 6 feet.

Joints between different piping materials shall be made with approved adapter fittings. Joints between different metallic piping materials shall be made with approved dielectric fittings.

Underground Gas Piping shall be installed to allow proper maintenance and to protect against contact or damage that might result from promixmity to other structures. Underground plastic pipig shall be installed with sufficient clearance from any sourch of heat. Min. depth shall be 18 inches below grade. Piping through foundations walls shall be encased in approved alcove. The annular space between the gas piping and the sleeve shall be sealed at the foundation to prevent entry of gas or water. Piping installed outside above ground shall be securely supported and protected from physical damage. Pipe shall not be laid on the ground surface where it may be subjected to mechanical

Shutoff-valves shall be of an approved type, constructed with materials compatible with the gas piping. An exterior shutoff valve shall be provide for each building. Every meter shall be equipped with a shutoff valve located on the supply side of the meter. Every gas outlet shall have an individual shutoff valve. The shutoff valve shall be accessible adjacent to the heaters. The final connection to the Heating units shall be connected by rigid pipe tubing or flexible connectors. A union shall be installed between the Heating Unit and Heating Shut off Valve.

Testing: The gas piping system shall be tested. Portions of the gas piping system installed in concealed locations shall be tested before the piping is completely concealed. The test will be conducted in the presence of the Governing Agency having jurisdiction.

CARBON MONOXIDE REMOVAL

PART 1 GENERAL-This is to be furnished and installed by the general contractor.

1.01 Section Inlaudes

a. Providing complete system as specified and as required for a complete system.

1.02 Electrical to the unit by the Electrical Contractor.

PART 2 PRODUCTS

2.01 The Specifications is written using Harvey as a guide. Equals by Car-mon are acceptable.

2.02 Furnish one HD-GK-4 HEAVY DUTY GARAGE EXHAUST KITS WITH one 4" hose 30 ft long. Mount between garage doors at aprx. 10 ft. height or as recommended by the manufacturer.

The Garage Kit include. Direct drive blower. Appropriate inlet box Required neoprene rubber hoses Rubber talpipe adapter.

PLUMBING FIXTURES

P-1 HANDICAP HIGHLAND WATER CLOSET 118-35 BY MANSFIELD SEAT TO BE LUSTRY SOLID PLASTIC SEATS BY KOHLER OR EQUAL

P-2 HANDICAP LAVATORY TO MORINGSIDE K-12636 WITH FINESSE FAUCET WRIST HANDLES (K-13335) PROVIDE K-13885 1 1/4" OFFSET DRAIN WITH OPEN STRAINER, BY KOHLER WHITE

P-3 HANDICAP DRINKING FOUNTAIN TO BE WALL MOUNT WHEELCHAIR ACCESS MODEL LISE-8-G BY ELKAY 8 AMPS 3.3. FULL LOAD AMPS CABINET GRAY BEIGE VINLY.

P-4 JANITORS SINK TO BE MODEL MSR 2424 BY FLORESTONE MR-370 5/8" HOSE 30" LONG WITH STAINLESS STEEL CLAP. MR -371 FAUCET WITH VACUUM BREAKER DOUBLE STOPS BUCKETS HOOKS WITH BRACE

P-5 FLOOR DRAIN TO BE TRAP TYPE COMPLETE WITH BACKFLOW PREVENTOR AND AUTOMATIC TRAP PRIMER AS REQUIRED BY CODE Z-505 ZURN 3" PIPE.

P-6 OIL INTERCEPTOR, TO BE EQUAL TO Z-1186 BY ZURN SIZING AS REQUIRED

P-7 HOT WATER HEATER MT. MIDGET MODEL PV-10-10 MSK BY STATE 120V. 1850 WATTS PROVIDE 25 AMP CIRCUIT, MOUNT ON ANGLES ABOVE THE JANITORS SINK AND PROVIDE PRESSURE RELIEF VALVE INTO JANITORS SINK, ALSO PRVIDE THERM-X-TROL STS THERMAL EXPANSION VALVE ON COLD WATER LINE.

DR. SIDENTL

DEPT

00/4/93

UNT #2 UNIT #1 ___EF-1 __LOUVER REMOVAL SYS.

MECHANICAL PLAN

1/8" + 0"