PLAINTIFF'S
EXHIBIT
KN-398

BALDWIN-HILL COMPANY, TRENTON 2, NEW JERSEY

SPECIFICATIONS FOR INSULATION OF DUCT SYSTEM

1. All air ducts noted on drawings shall be insulated with Spun Mineral Wool Duct Insulation, as manufactured by Baldwin-Hill Company, or approved equal, in thickness specified on drawings.

2. Preparation of Surface - Remove all loose rust, scale or dirt from surface of Duct so that nothing will interfere with the application of the pins, clips, screws or adhesive.

3. Type of Duct Insulation to be used - (Cross off all but desired one)

(a) - Plain
(b) - Vapor-Barrier
(c) - Foil-Faced (Non-Combustible or Vapor-Barrier)
(d) - Coated

4. Methods of Attachment - (Cross out all but desired method)

(a) Graham Welding Pins or Mechanical Clips applied with recommended adhesive, applied to under surfaces of horizontal runs and all four sides of vertical ducts, with a minimum of one fastener per 2 square feet of surface. Benjamin-Foster 81-81, 81-71, or equal adhesive, to be applied to other three sides of horizontal runs. Adhesive to be applied in 4" wide strips at one foot intervals, and then ridged slightly by using a serrated trowel.

Duct Insulation to be cut in widths and lengths to suit the cross-sectional dimensions of each duct, with the top and bottom pieces overlapping the side pieces. (Cut over-size to insure tight fit). Apply the bottom piece first by impaling it on the pins or clips, and secure with washers, speed nuts or bend the fasteners to hold the insulation in place. Apply the sides and then the top, pressing the material firmly in place to insure good bond.

If Vapor-Barrier Duct Insulation is used, seal all joints with a 3" wide vapor barrier tape adhered with Benjamin-Foster 60-26, or equal. Cover fastener heads with, at least, a 3" patch of Benjamin-Foster 60-26,or equal, to prevent vapor entry at these points.

If Foil-Faced Duct Insulation is used, seal all joints and cover all fastener heads with aluminum foil pressure-sensitive tape or approved equal.

(b) No. 10 or 12 gauge galvanized or stainless steel screws 1/2" longer than the thickness of insulation to be applied. Caps to be fiber washers or metal disks of 1-1/2" diameter; screws to be applied, at least, one per 2 square feet, and should be as near the duct edges as possible for maximum support.

Duct Insulation to be cut in widths and lengths to suit the cross sectional dimensions of the duct, with the top and bottom pieces overlapping the side pieces. (Cut over-size to insure tight fit). Apply all four sides with the screws and caps, making sure each has taken a firm hold.

If Vapor-Barrier Duct Insulation is used, seal all joints with a 3" wide vapor-barrier tape adhered with Benjamin-Foster 60-26 or equal. Cover fastener heads with, at least, a 3" patch of Benjamin-Foster 60-26, or equal, to prevent vapor entry at these points.

• 354663

If Foil-Faced Duct Insulation is used, seal all joints and cover all fastener heads with aluminum foil pressure-sensitive tape or approved equal.