

Shaw-Perkins Manufacturing Company

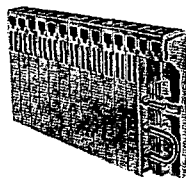
201 East Carson St. Pittsburgh 19, Pa.

Manufacturers of SHAW Panel-Vectors delivering AIR-e-ATED Radiant Heat



All Shaw Panel-Vectors and Perkins AIRRadiators are complete one-piece factory assembled units ready for installation. Manufactured of heavy gage steel with full-length heating fins and vertical serpentine copper heating coils, pressure fitted for excellent heat trans-

fer. Numerous sizes and models available to meet any area heat loss. Institutional models possess perforated paneling for low surface temperatures. Perkins AIRRadiators are designed for industrial installations, and are readily mounted on either ceilings or walls.

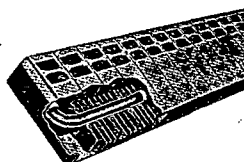


SHAW Panel-Vectors (front or top air outlets)

DEPTH, front to back—3 in. HEIGHTS—8 in., 11 in., 14 in., 17 in., 20 in., 23 in., 26 in. LENGTHS—11 in. to 111 in. inclusive, in 2 in. increments. TAPPING—supply and return same end, right or left hand; also furnished on opposite ends. PIPING—connections for $\frac{1}{2}$ in., $\frac{3}{4}$ in., or 1 in. piping. RATINGS—3.9 EDR to 117.7 EDR, based on 1 lb steam and 65° F inlet air. INSTALLATION—wall hung, free standing, open or closed recess. APPLICATION—hot water, high temperature hot water, steam to 150 psi. End panels, air chambers, wall brackets available for any application.

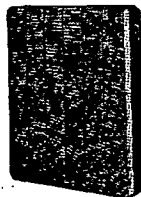
SHAW BASEBOARD Panel-Vectors

DEPTH, front to back—3 in. HEIGHT—8 in. LENGTHS—2 ft 5 in. to 72 ft 7 in. inclusive, in 2 in. increments. TAPPING—supply and return same end, right or left hand; also furnished on opposite ends. PIPING—connections for $\frac{1}{2}$ in. piping on same end, 1 in. piping on opposite ends. RATINGS—6.7 EDR per linear ft based on 1 lb steam and 65° F inlet air. INSTALLATION—wall hung with inside and outside corner runs. APPLICATION—hot water, steam to 150 psi. End panels, air chambers, and mounting screws included as standard equipment.



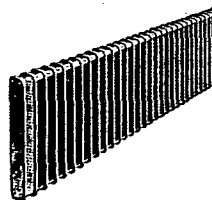
SHAW INSTITUTIONAL Panel-Vectors

DEPTH, front to back—3 in. HEIGHTS—8 in., 11 in., 14 in., 17 in., 20 in., 23 in., 26 in. LENGTHS—11 in. to 111 in. inclusive, in 2 in. increments. Steel housing has $\frac{1}{8}$ in. diam. perforations on $\frac{1}{16}$ in. staggered centers. TAPPING—supply and return same end, right or left hand; also furnished on opposite ends. PIPING—connections for $\frac{1}{2}$ in., $\frac{3}{4}$ in., or 1 in. piping. RATINGS—5.0 EDR to 100.9 EDR based on 1 lb steam and 65° F inlet air. INSTALLATION—flush mounting for violent areas, offset mounting for non-violent areas. APPLICATION—hot water, high temperature hot water, steam to 150 psi. End panels for complete pipe covering.



PERKINS AIRRadiator

DEPTH, front to back—5 in. HEIGHTS—14 $\frac{1}{2}$ in., 23 $\frac{1}{2}$ in., 32 $\frac{1}{2}$ in. LENGTHS—15 in. to 125 in. inclusive, in 2 $\frac{1}{2}$ in. increments. TAPPING—supply and return on opposite ends; top and bottom arrangement reversible by reversing radiators. PIPING—connections for 1 in. piping; may be bushed to $\frac{1}{2}$ in. or $\frac{3}{4}$ in. as specified. RATINGS—14 EDR to 187 EDR based on 1 lb steam and 65° F inlet air. INSTALLATION—ceiling or wall hung. APPLICATION—hot water, high temperature hot water, steam to 150 psi. Ceiling hangers or wall brackets available for mounting.



Represented in principal cities. Send for catalog.

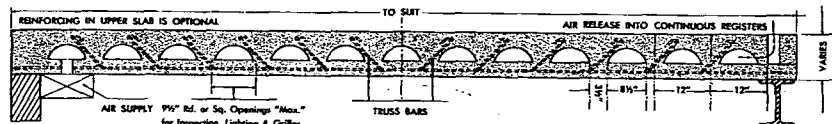
AIRFLOOR Company of California, Inc.

13729 E. Rosecrans Avenue, Sante Fe Springs, California

HOLLOW CONCRETE FLOOR PANEL FOR SINGLE AND MULTI-STORY CONSTRUCTION
Warm Air Radiant Heating and Ventilating or Complete Air Conditioning
for Schools, Churches, Residences, Hospitals, Industrial Buildings



Airfloor forms create a strong, hollow floor serving as a common plenum for conditioned air, radiant heat, and positive mechanical ventilation for complete air-conditioning systems. Airfloor introduces all air passing through the floor into the occupied space. For use with Gas, Oil, Electric, or Coal Fired Furnaces, fan-coil units, multi-zone units, etc.

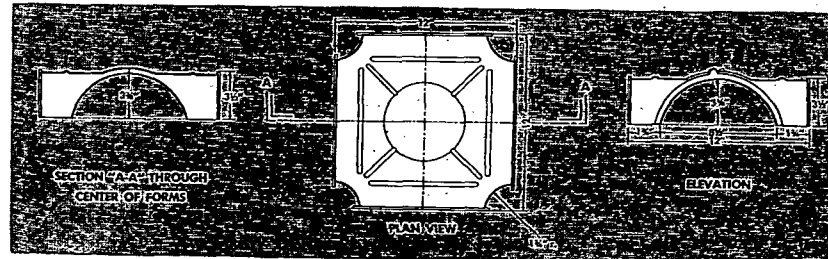


AIRFLOOR Truss Slab Provides:

1. A one-way or two-way truss within the slab.
2. A flat slab construction, which may be poured in place or lifted in place allowing flexibility of partition locations.
3. A ceiling already in place.
4. A reduced load of 35 pounds per square foot which in turn reduces concrete weight, supporting column, beam and foundation sizes.
5. A considerable reduction in seismic forces due to floor dead loads.
6. A plenum or duct through which conditioned air passes thus providing a radiant panel and simultaneous convection heating or cooling.
7. More utilizable volume in multi-story buildings, by eliminating required space for exposed ductwork at each floor level. This is especially important where limit-height buildings are concerned.
8. The ease of installation of hidden piping and electrical work. The necessity for rigid electric conduit is eliminated.
9. Flexibility in partition locations.

AIRFLOOR FORM SPECIFICATIONS

STANDARD MATERIAL: 26 gauge cold rolled steel (galvanized steel forms optional at extra cost).
STANDARD WEIGHT: One pound per sq ft.
SIZE: 12 in. x 12 in. x 3/4 in.
CONCRETE DISPLACEMENT: The concrete displaced by one Airfloor form is 0.223 cu ft.
COMPRESSION LOAD TEST: By California Testing Laboratories, Inc., on June 8, 1955, Lab No. 42288: Compression load was applied to a six inch diameter (0.196 square foot) disc which centered over the one inch thickness of concrete at the center of the form.
The following tabulation gives the results of this test:
COMPRESSION LOAD IN POUNDS: 9,250.
RESULT: No cracks appeared until failure which fractured the concrete by punching shear at the edge of the disc.
FIELD CONDITIONS: Linear gain over installed Airfloor forms: 2 in./32 ft 0 in.



AIRFLOOR REGISTER SPECIFICATIONS

Material: 20 gage cold rolled steel.
Length: 48 in. standard or cut to suit architectural requirements.
Height: 6 $\frac{1}{2}$ in.
Backplate & Dampers: Optional.
Finish: Canterbury Blue metal primer.

WRITE FOR COMPLETE CATALOG AND SPECIFICATIONS