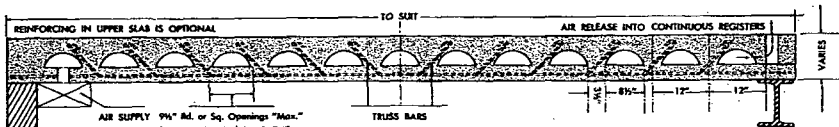


AIRFLOOR Company of California, Inc.

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.



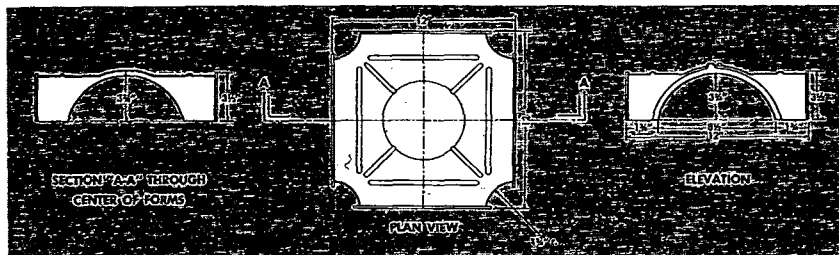
AIRFLOOR Truss Slab Provides:

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

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 1/4".
Backplate & Dampers: Optional.
Finish: Canterbury Blue metal primer.

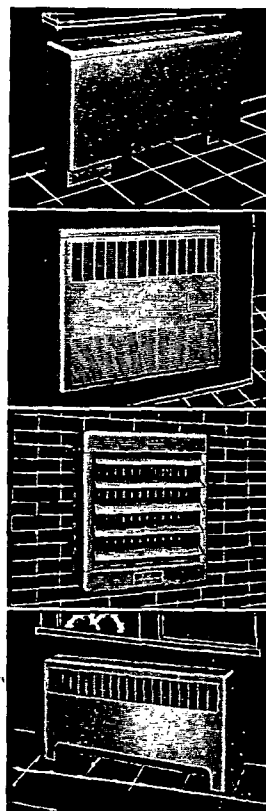
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Airtherm MANUFACTURING COMPANY
702 South Spring Avenue, P. O. Box 7029
Saint Louis 77, Missouri

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and air conditioning products



AIR CONDITIONING UNITS—perfect application for new construction or remodeling of offices, motels, apartments, schools, hospitals. Healthful all season conditioned air with recirculating and fresh air mixtures. Remote type for use with a central source of hot and chilled water.

CABINET UNIT HEATERS—with predominantly popular, more efficient direct drive. Entire unit constructed of 16 gauge steel. Sizes from 375 to 1630 CFM. Complete variety of types and mounting arrangements. Steam and hot water.

PROPELLER FAN UNIT HEATERS—52 models of steam and hot water horizontal and vertical unit heaters. Capacity ranges from 22,750 to 555,000 BTU. Water coils available for high temperature drop requirements.

CONVECTORS—lowest cost installed wet heat. Versatile units combine attractive appearance with efficient operation.

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