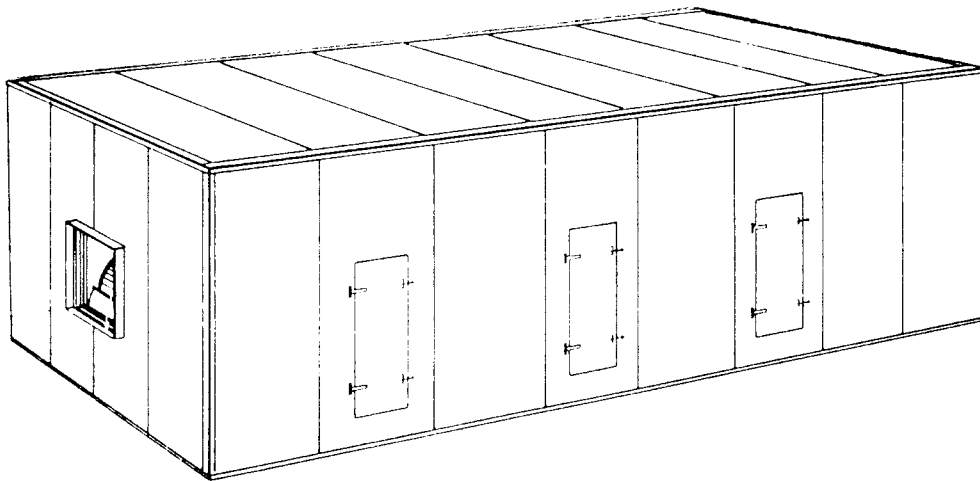




AIR ZONE INDUSTRIES, INC.

ACOUSTICAL - THERMAL
ENCLOSURE CASINGS



Acoustical/Thermal Structural Panels

AIR~ZONE Industries insulated steel sound panels are pre-engineered and factory built to meet not only the acoustical, but also the thermal and structural requirements for HVAC enclosures and industrial sound barriers.

The unique interlocking tongue and groove panel joint design insures tight joints up to a pressure differential of 10" water gauge, while providing the designer total flexibility in the configuration of the enclosure. This means the noise can be contained right at the source, allowing maximum and efficient use of the available space.

Enclosures and sound barriers built with **AIR~ZONE** Acoustical Panels present still other advantages.

Design and Performance

- Independently tested acoustical performance
- Structurally self-supporting
- Versatile design capacity
- Technical factory support
- Airtight design
- Construction materials meet fire hazard classification codes
- Easily assembled
- Complete accessory line

Standard Sizes

AIR~ZONE Acoustical/Thermal Panels are available in thickness of 2 or 4 inches. Standard panel size is 24" wide by 120" high.

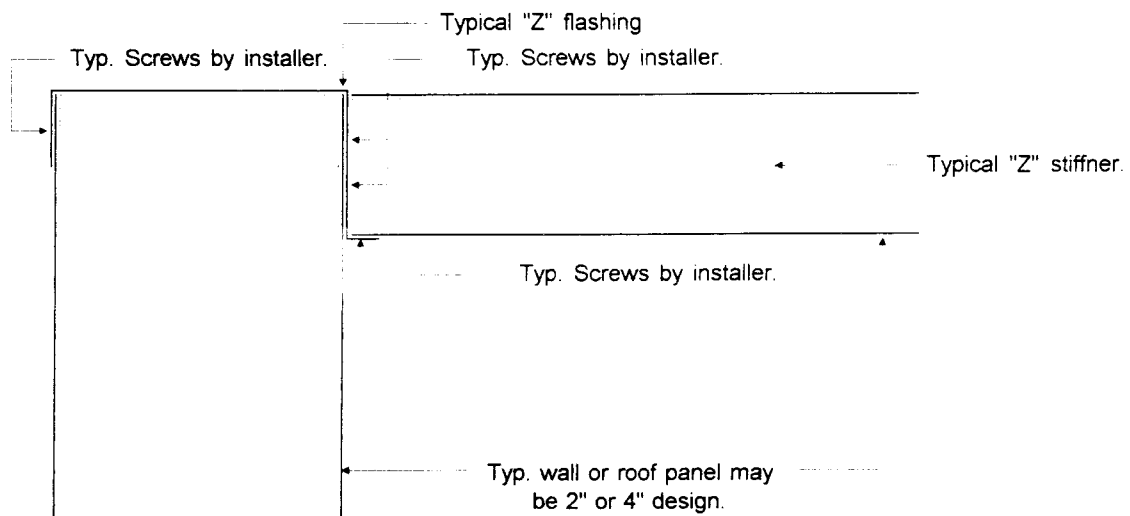
Economy

- Low first cost due to product standardization
- Saves drafting time
- Reduces field labor assembly time
- Reduces need for additional acoustical materials

Materials

- 18 gauge galvanized steel outer sheet
- 22 gauge galvanized perforated steel inner sheet
- 18 Gauge galvanized steel reinforcing "Z" as required
- 18 gauge galvanized steel frames
- Inorganic non-combustible acoustical filler material

TYPICAL INSTALLATION



Suggested Guide for Specifying Panels

General

Furnish and install as shown on the plans prefabricated sound absorbing panels as manufactured by AIR~ZONE Industries, Inc. The panel shall meet the acoustical, thermal and structural characteristics shown without exception.

Construction

Panels shall be 2" or 4" and shall consist of an 18 gauge galvanized steel outer sheet and a 22 gauge galvanized perforated steel inner sheet. Panels shall be fully framed and stiffened with 18 gauge galvanized steel channels spotwelded or riveted to the inner and outer sheets to maintain structural integrity of the assembly while operating at maximum loading.

Panels shall be packed with high density acoustical/thermal insulating material with a total panel weight not less than 5 1/2 pounds per square foot. Panel filler material shall exhibit not more than the following combustion values when tested in accordance with the ASTM-E84, NFPA-255, UL-723 test methods:

Flamespread.....15
Fuel Contributed.....0
Smoke Developed.....0

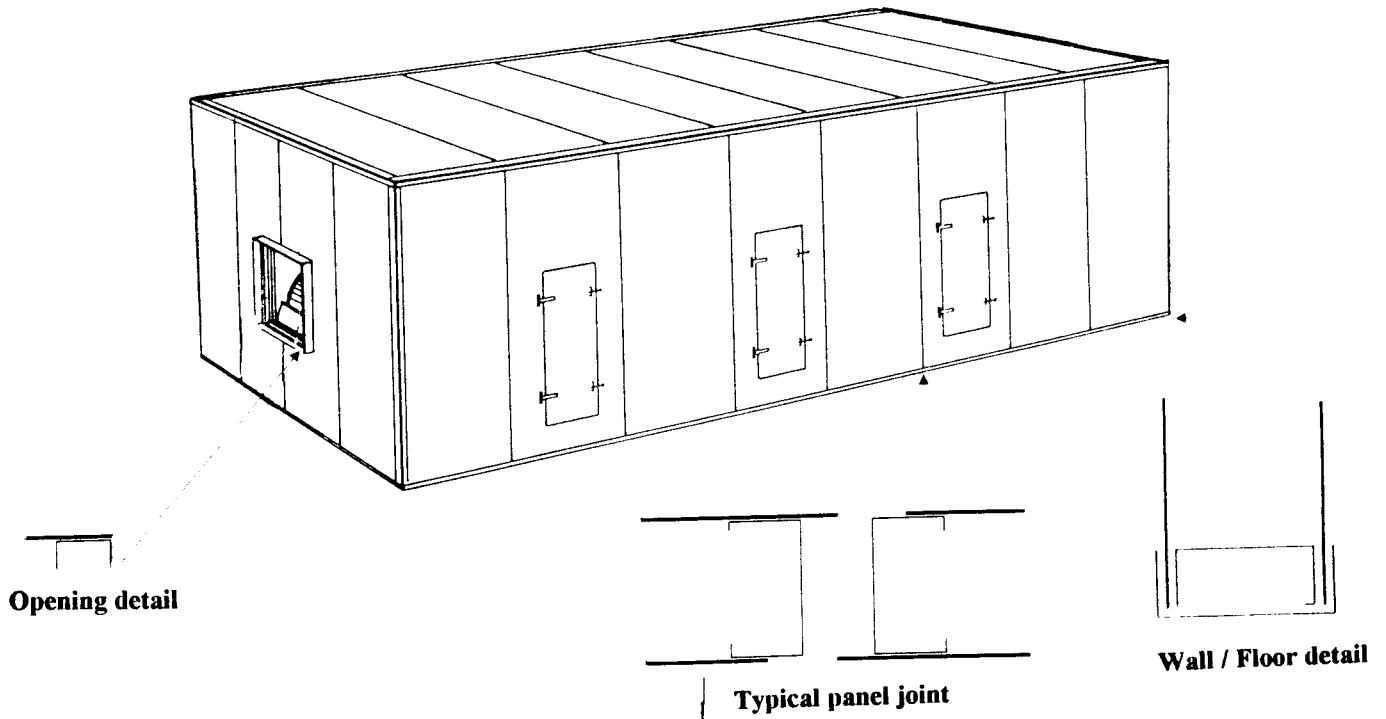
Access doors shall be constructed of solid 18 gauge galvanized steel, interior and exterior. Doors are to be 2" or 4" thick, 24" x 60", pre-hung, with overlapping type seal. Each door shall have single, continuous, air/acoustical seals around sill, jambs and head. Each door shall have two (2) latches. Latches are to be wedge type levers with inside release handles. Doors shall be factory assembled with hinges attached and adjusted. Doors shall be installed to open against system pressures.

Acoustical Performance

Panels shall have the below Transmission Losses and Sound Absorption Coefficients without exception. Data shall be based on tests by a **NATIONALLY KNOWN QUALIFIED INDEPENDENT LABORATORY** in accordance with ASTM-E90-70 and ASTM-C 423-66.

Installation

Panel Manufacturer shall furnish complete erection and installation instructions detailing and marking each piece to match the drawings and bill of materials.



GUARANTEE

Air Zone Industries, Inc. warrants the products it manufactures to be of finest quality materials and workmanship and to perform according to published ratings when properly installed and operated under normal conditions. AZI's obligation is limited to making good at its factory any part, parts or complete assemblies which shall, within one year of shipment to the original purchaser, be returned with transportation charges prepaid, and which shall, to AZI's satisfaction, be proven defective. Warranty will be honored only after products are paid for in full prior to their being returned for repair or replacement. Correction of such defects shall be by repair or replacement and shall constitute fulfillment of all AZI obligations to purchaser. AZI shall not be liable for loss, damage, or expenses directly or indirectly arising from the installation and/or use of its products or from any other cause.

AZI assumes no liability for expenses or repairs made outside its factory except by prior written consent. No liability of any kind shall attach to AZI until said products have been paid for in full. This warranty supersedes and is in lieu of all other warranties, expressed or implied and no person or representative is authorized to give any other warranties, nor to assume any other liability in connection with AZI products. No warranty is made by AZI on motors or accessories, since they are covered separately by the warranties of their respective manufacturers.

This catalog shows the general appearance of products and details of their design at the time of publication. AZI reserves the right to change design, materials and/or construction at any time without notice.



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