



Eagle Panels™ A Fallon Company

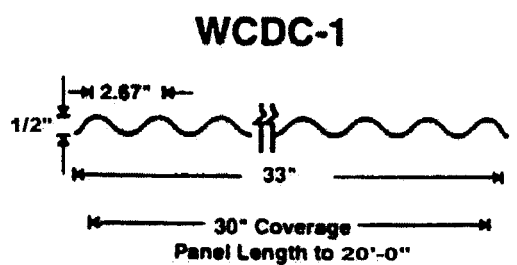
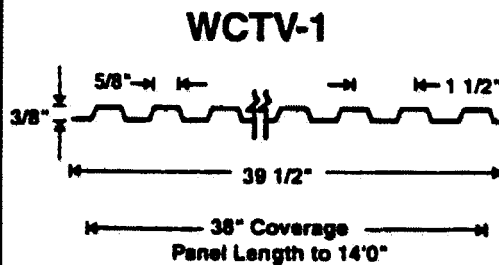
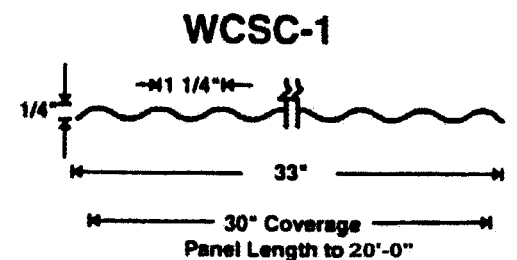
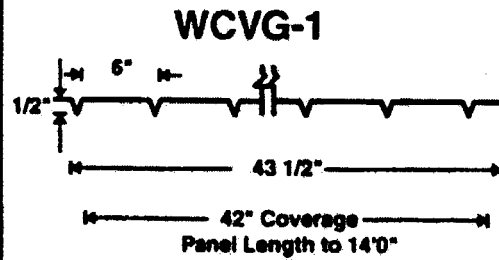
**WALL AND CEILING
PERFORATED METAL SHEETING**

**PERFORATED
METAL
SHEETING
FOR SOUND
ABSORPTION**

Wall and Ceiling Perforated Metal Sheeting is used normally in building interiors as a fascia for acoustical absorbent products to reduce reverberant noise levels. For optimum performance the Wall and Ceiling Perforated Metal Sheeting is supplied in a variety of metals, thicknesses, profiles and open air percentages. Wall and Ceiling Perforated Metal Sheeting also provides structural integrity and mechanical protection requirements for broad industrial and commercial noise control treatments and applications.

Features:

- Available in a selection of profiles.
- Available in a variety of metals, alloys and finishes.
- Supplied in various lengths, widths and thicknesses of metals.
- Degreased or painted metal
- Perforated size and pattern variations available
- Also used in absorber/barrier partitions and architectural patterns



DESCRIPTION:

EagleWall and Ceiling Perforated Metal Sheeting is available in aluminum, stainless steel, and galvanized steel. The metal is perforated using 1/8 inch diameter holes on 21/64 inch staggered centers. This perforated pattern yields an approximate 13% opening of metal surface area, providing effective acoustical performance while retaining optimum structural strength. Other percentages of open areas in sheeting are available to provide effective high/low frequency absorption.

Aluminum thicknesses are .024" and heavier. Stainless steel and galvanized steel are available in 22, 24, and 26 gauge for light duty and 18, 20, and 22 gauge for heavier industrial requirements. All metals are available in smooth or stucco embossed finishes. Flat perforated metal can be supplied in rolls up to 100 feet long or in cut-to-length sheets, as required.

Profiled perforated metal, as illustrated above, is cut-to-length and palletized. Degreased or prepainted perforated metal sheeting is available. For prepainted sheet, inquire as to types and film thicknesses. Profiles other than those illustrated above are also available. Inquire.

Eagle Panels, Fallon Industrial suggests that a professional noise analysis of the affected area(s) be taken and provided to facilitate selection of the type and nature of the materials required to accommodate not only the acoustical design or requirements, but also the mechanical performance needs of the installation

USES:

Eagle Perforated Metal Sheeting is used as the expose to-the-noise fascia of absorber type sound control treatment systems. These systems use mineral fiber, glass fiber or other absorbent type materials bagged in thin Mylar® or polyfilm. The sheeting may be incorporated in permanent and/or demountable wall and ceiling noise absorber treatments. Movable and/or fixed absorber/barrier partitions are installed in power and process plants, pulp and paper mills, gas compressor stations, schools and other type noisy environments. Perforated metal sheeting satisfies a diversity of acoustical and mechanical needs.

INSTALLATION:

EagleWall and Ceiling Perforated Metal Sheeting may be installed directly onto or offset from, surfaces and structures utilizing extruded or press-brake formed trim and "T" ceiling components. Avoid the use of stick or welded pins and clips to secure or install the absorber. It is recommended that the absorbent products be "bagged" or wrapped in thin film sheeting, e.g. 0.5 mil Mylar® film or 1.0 mil polyethylene film. Film thickness heavier than recommended, herein, may negatively affect the acoustical absorbency effect and performance of the installation.

Note 1: NRC rating are influenced by various thicknesses and/or densities of the sound absorbing media as well as the thickness and percentage of open area of the Perforated Wall and Ceiling Sheeting. Sound absorption coefficient information is available. NRC. Values to 1.05