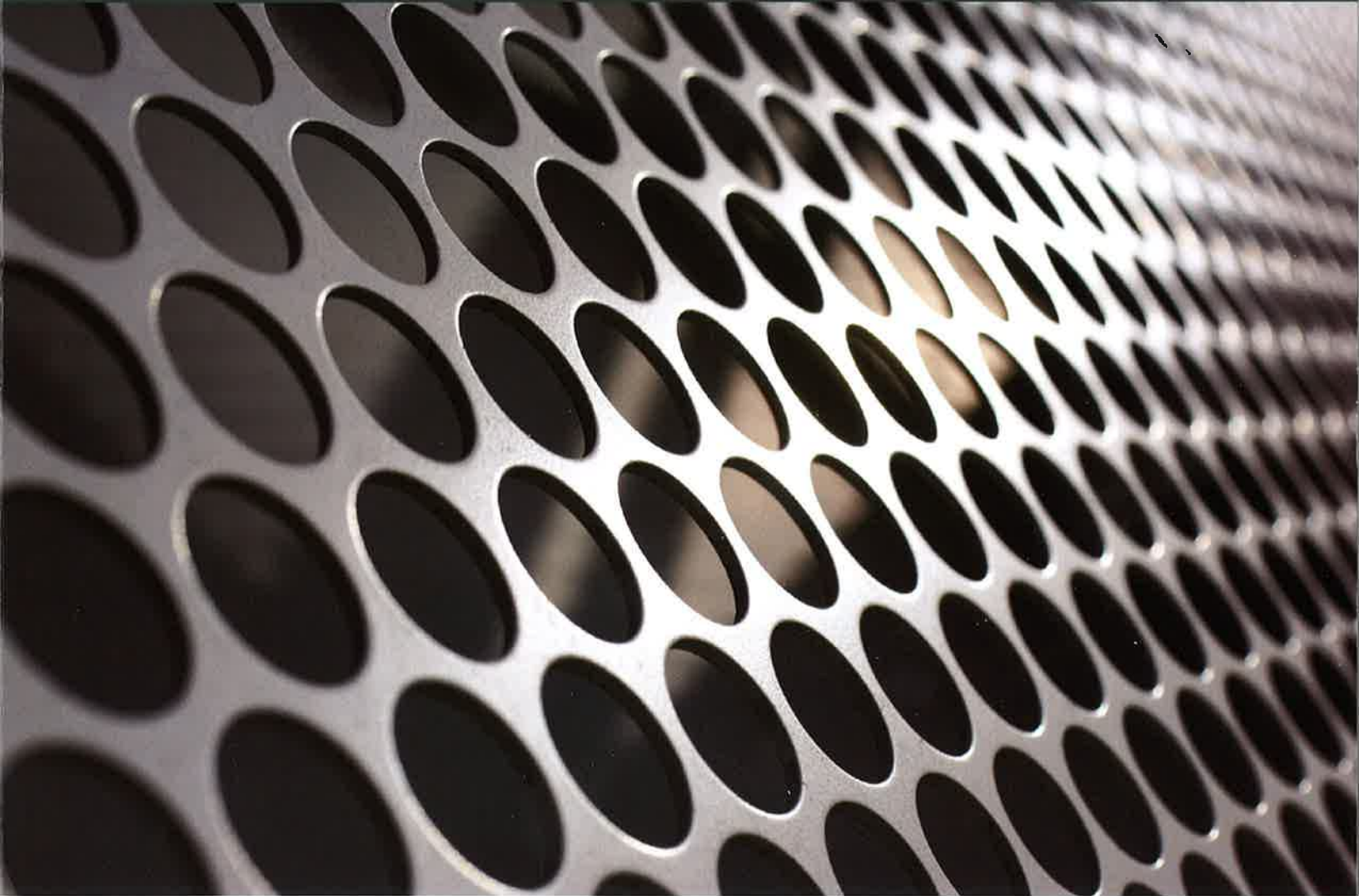


Perforated Panels



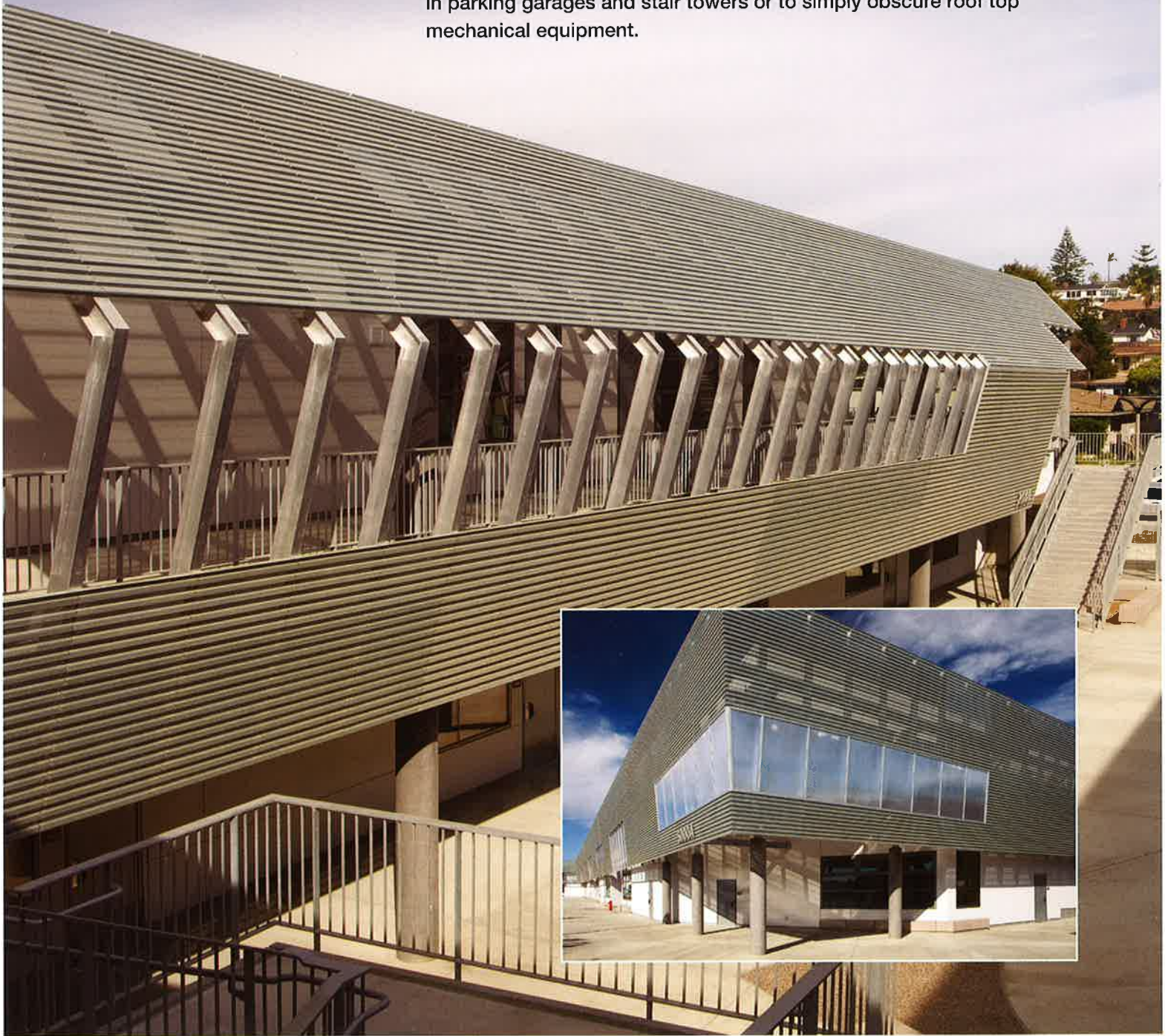
ARCHITECTURAL METAL WALL & ROOF SYSTEMS



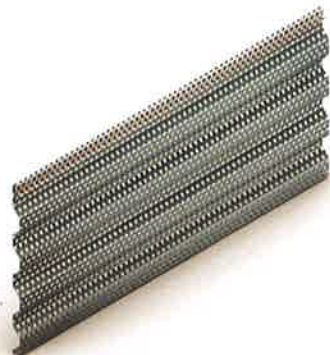
Morin

A Kingspan Group Company

Morin's exterior perforated panels are attractive, functional and economical. The many architectural applications include passive solar shading, control of light and sound pollution, security screening in parking garages and stair towers or to simply obscure roof top mechanical equipment.



Project: Carlsbad High School
Location: Carlsbad, CA
Architect: Perkins + Will, Los Angeles, CA
Products: Matrix Panel, MX 1.0,
.040 Aluminum,
perforated 23% open area
in three separate patterns
Colors: Seafoam Green and
Weathered Zinc Mica finish



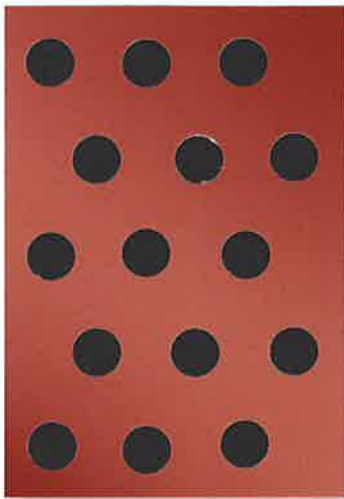


Project: Anacostia Library
Location: Washington, DC
Architect: The Freelon Group with
 R. McGhee & Associates Durham, NC
Products: MR-36 profile with perforation pattern
 1/8" Diameter holes X 1/4" staggered spacing
 Color: Inchworm Green, Fluoropon finish
 A-12 profile
 .040 Aluminum,
 Color: Silversmith, Mica finish

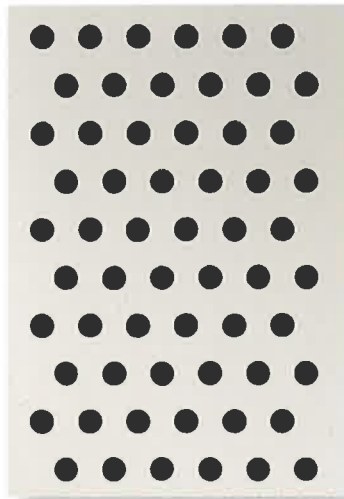


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PERFORATED PANEL TECHNICAL DATA



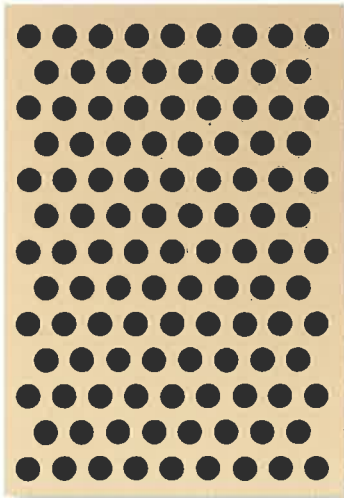
1/4" Hole, 1/2" Spacing
23% open area



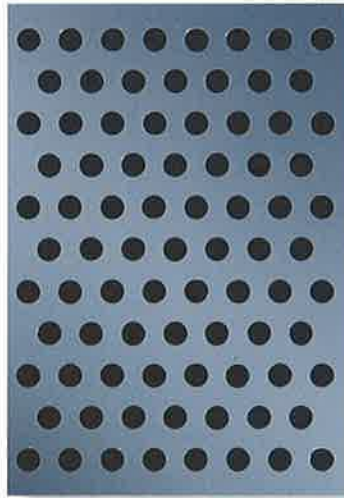
1/8" Hole, 1/4" Spacing
23% open area



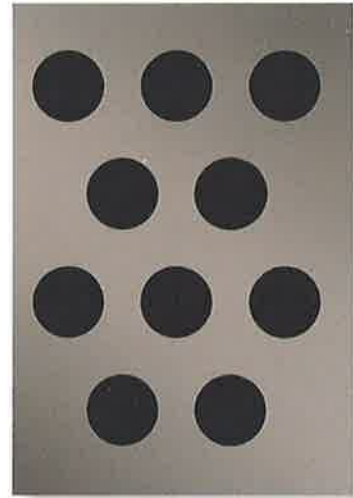
1/8" Hole, 3/8" Spacing
10% open area



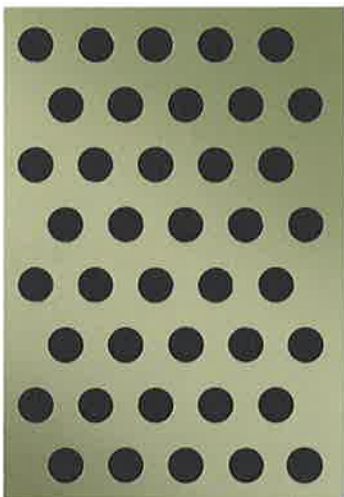
1/8" Hole, 3/16" Spacing
40% open area



1/8" Hole, 7/32" Spacing
30% open area



3/8" Hole, 9/16" Spacing
40% open area



3/16" Hole, 5/16" Spacing
33% open area

Perforated Panel Options

Available Profiles: All Morin panel profiles are available for perforating

Available Materials:

Aluminum: .040, .050, .063

Stainless Steel: 22 and 20 gauge

Cor-Ten: 22, 20 and 18 gauge

Galvalume painted steel 22, 20 and 18 gauge (Interior Application Only)

Available Finishes:

1.0 mil PVDF (Kynar 500 / Hylar 5000)

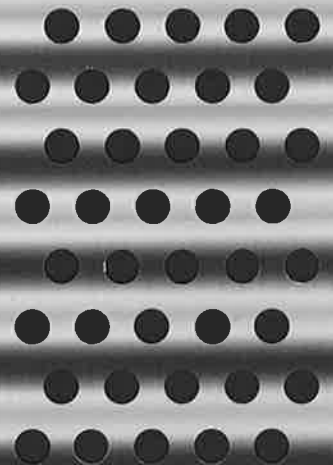
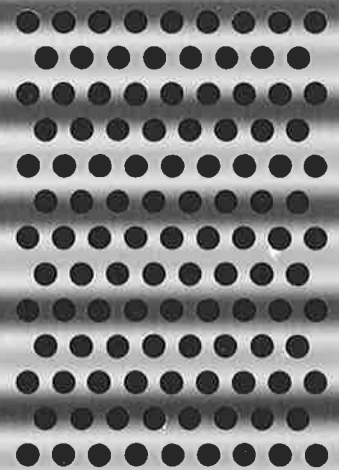
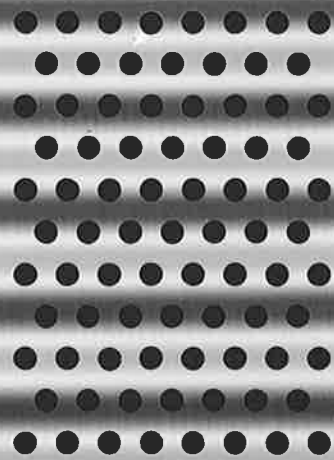
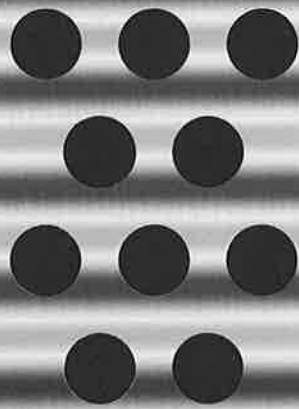
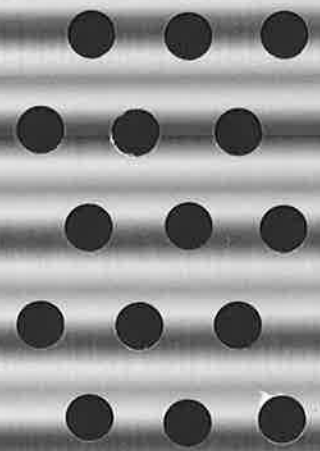
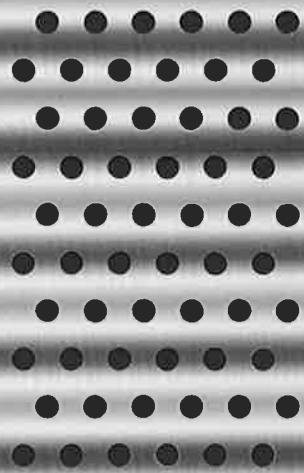
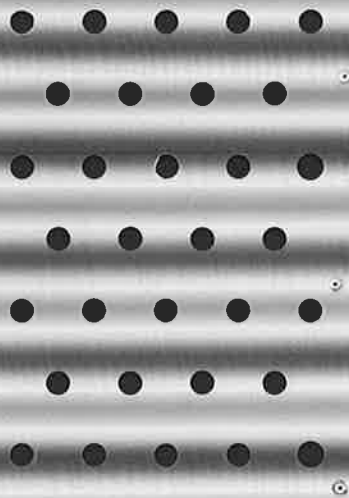
1.0 mil Mica Finish

1.5 mil Metallic Finish

Note: Painted finishes are typically applied to both sides of a perforated panel. Architect can select different colors for side A and side B at additional cost.

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Project: M3 Engineering
Location: Tuscan, AZ
Product: C29
Colors: Copper Penny Mica finish

Morin

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West 10707 Commerce Way, Fontana, CA 92337, 1-800-700-6140
South 726 Summerhill Drive, Deland, FL 32724, 1-800-640-9501

www.morincorp.com



Morin supplies warranties covering material only. A painted finish warranty is not available on perforated panels regardless of base metal. Items not made by Morin such as sealants, fiberglass panels and fasteners carry no warranty, either expressed or implied. Please refer to the appropriate manufacturer and their product data sheets.

No metal panel manufacturer can guarantee the total elimination of oil canning, specific to light gauge cold formed metal. Be assured that we at Morin take every precaution during the selection of material and production of the metal panels to effectively minimize the effects of oil canning. Other factors contributing to oil canning can be improper installation and misalignment of the structural steel, even within the AISC standards. Oil canning from these conditions is not sufficient cause for automatic rejection of the material.

The information contained in this brochure and in the accompanying typical detail sheets is thought to be reliable and correct, but is subject to change without notice. Morin assumes no responsibility for engineering or design of any structure or sub-structure, whether such structure contains products manufactured by Morin or not. Typical details are meant to show the products of the seller in a manner which is representative of the way in which they are installed. It is the responsibility of the buyer or his or her architect or engineer to verify that any product is suitable for the conditions and use intended and that the products are compatible with any other material.