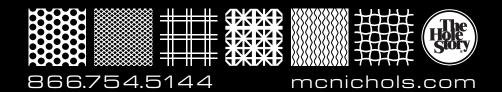
# McNICHOLS® DESIGNER METALS

DESIGN WITH METALS IN MIND.





# The Hole Story®



Bob McNichols, Founder (1922 - 1981)

The sole survivor of a Boeing B-17 Flying Fortress shot down during World War II, Robert L. "Bob" McNichols pledged to lead his life and business according to Christian principles. He believed in the highest level of service, a dedication to his employees, and an appreciation for the customers he had the privilege to serve.

Following discovery by a farmer, Bob was sent to prisonerof-war camp Stalag Luft I, where he remained until his liberation on May 1, 1945. Seven years to the day after his release from Stalag Luft I, Bob and his wife Phyllis founded McNICHOLS CO.

When Bob started the business in 1952, he focused on selling products with "holes" such as Perforated and Expanded Metal. This focus led to the motto "The Hole Story"," which symbolizes the Company's philosophy as well as its products. Bob trademarked The Hole Story® and advertised it in the 1975 McNICHOLS® Master Catalog. This began the tradition of "hole" references such as "Hole Products" and "The Hole Team." After the unexpected loss of Bob in 1981, his son Gene took the reins. Gene carried on his father's legacy by growing the business.

In 1990, Gene introduced the "Service, Quality and Performance" mission. The words embody the spirit of the organization — including its emphasis on customer service, high standards for quality [demonstrated by our ISO 9001:2015 certification], and dedication to performance.



McNICHOLS has grown from a small family business into a national corporation with 19 locations across the country. The essence and spirit of the founder remain ever-present. Bob's faith gave him the courage to build McNICHOLS on a Christian foundation. "To God Be The Glory" was one of his favorite sayings.

As McNichols continues to grow beyond its 67th year in business, the third generation of the McNichols family — as well as every member of The Hole Team — act as stewards of Bob's legacy.

Providing Hole Products Through Superior Service, Quality and Performance ... That's The Hole Story®!

Inspired to Serve!

# OUR ARCHITECTURAL PRODUCTS TEAM IS Inspired to Serve!

Architects, contractors, and designers choose to incorporate McNICHOLS® Designer Metals into their projects because of their versatility and beauty. Selections include Perforated and Expanded Metals, Wire Mesh, and Textured Metals in a myriad of materials and styles. Our Architectural Products Team understands how options like configuration, material type, gauge, open area, recycled content, finish, and other variables may influence your design for a successful project. We are ready and Inspired to Serve® you!

ON THE COVER: **McNICHOLS®** Designer Mesh patterns, CHATEAU™ 3110, 3105, and AURA™ 8155 contribute to a Chicago rooftop garden. The Decorative Mesh was vertically assembled artistically to help conceal the roof's unsightly mechanical equipment and exhaust vents, and to create a contemporary sculpture designed to replicate the city's urban skyline.

#### McNICHOLS® VALUE-ADDED SERVICES

For more than 67 years, customers have made the consistent choice to trust **McNICHOLS** with their Hole Product needs. Many customers also look to us for metal processing and fabrication services. We would be honored to demonstrate how we can expand our services to meet your application requirements. From welding and cut-to-size to notching and Stair Treads, we are ready to fabricate Hole Products to your specifications.



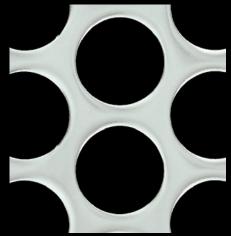
©1989-2019 McNICHOLS CO., The Hole Story, Inspired to Serve, ECO-MESH, ECO-ROCK, and McNICHOLS are registered trademarks of McNICHOLS CO. All rights reserved. No part of this book may be reproduced in any form without permission. Printed in the U.S.A.

Please note that product photographs are not actual size.

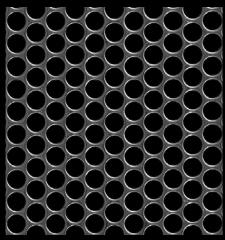
Application photos reflected are typical of Hole Products in use that can be supplied or have been supplied by McNICHOLS CO.

McNICHOLS CO. is ISO 9001:2015 Certified.

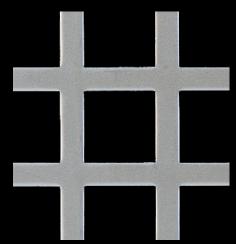
## McNICHOLS® PERFORATED METAL



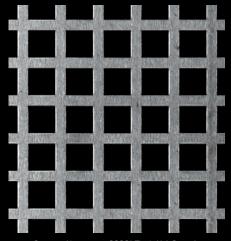
Round, Stainless Steel, 11 Gauge (.1250" Thick), 1" Round on 1-1/4" Staggered Centers, 58% Open Area



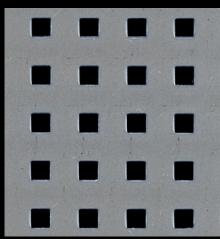
Round, Carbon Steel, 16 Gauge [.0598" Thick], 5/16" Round on 3/8" Staggered Centers, 63% Open Area



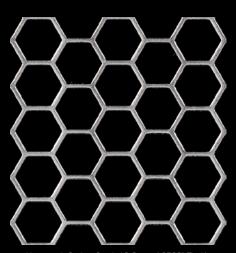
Square, Carbon Steel, 16 Gauge (.0598" Thick), 3/4" Square on 1" Straight Centers, 56% Open Area



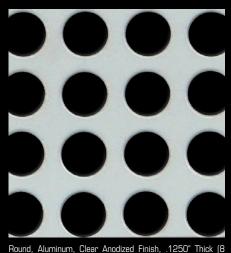
Square, Aluminum, .0630" Thick [14 Gauge], 3/8 Square on 1/2 " Straight Centers, 56% Open Area



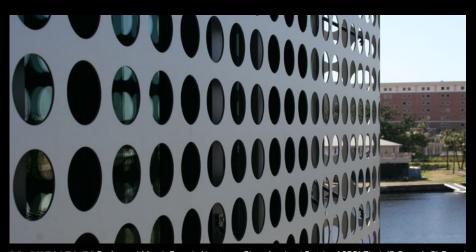
Square, Carbon Steel, 18 Gauge (.0478" Thick), 0.200" Square on 0.500" Straight Centers, 16% Open Area



Hexagonal, Carbon Steel, 16 Gauge (.0598" Thick), 1/2" Hexagonal on 9/16" Staggered Centers, 79% Open Area



Gauge), 3" Round on 4" Straight Centers, 45% Open Area



McNICHOLS® Perforated Metal, Round, Aluminum, Clear Anodized Finish, .1250" Thick [8 Gauge], 3" Round Holes on 4" Straight Centers functions as cladding on the Tampa Museum of Art in downtown Tampa, Florida.

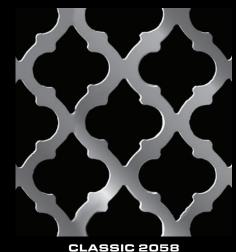


# McNICHOLS® DESIGNER PERFORATED METAL

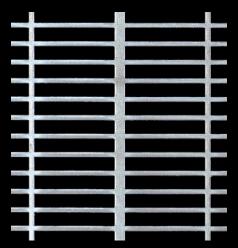




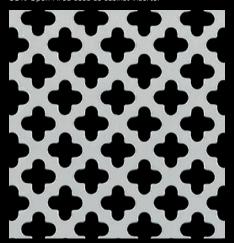
McNICHOLS® Designer Perforated Metal, CLASSIC 2058, Carbon Steel, Cold Rolled, 20 Gauge (.0359" Thick), 58% Open Area used as cabinet inserts.



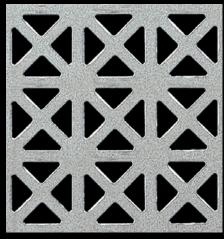
Carbon Steel, Cold Rolled, 20 Gauge (.0359" Thick), 58% Open Area



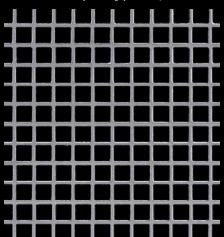
**AIRLINE 1868**Aluminum, Alloy 3003-H14,
.0400" Thick (18 Gauge), 68% Open Area



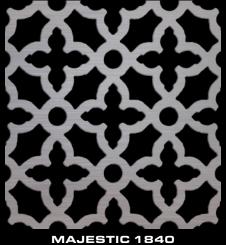
CLOVERLEAF 2051 Aluminum, Alloy 3003-H14, .0320" Thick (20 Gauge), 51% Open Area



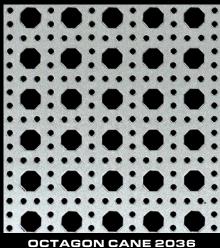
**GRECIAN 2035**Aluminum, Alloy 3003-H14,
.0320" Thick [20 Gauge], 35% Open Area



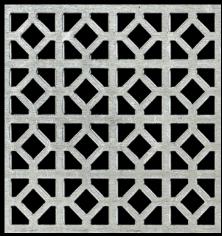
HANOVER SQUARE 2064
Carbon Steel, Cold Rolled,
20 Gauge (.0359" Thick), 64% Open Area



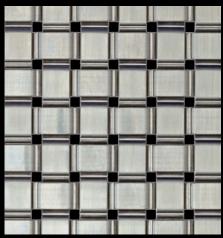
Aluminum, Alloy 5052-H32, .0400" Thick (18 Gauge), 40% Open Area



Aluminum, Alloy 3003-H14, .0320" Thick (20 Gauge), 36% Open Area

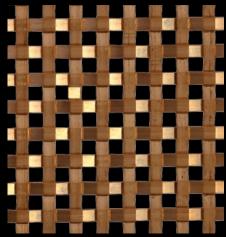


**WINDSOR 1845**Aluminum, Alloy 3003-H14,
.0400" Thick [18 Gauge], 45% Open Area



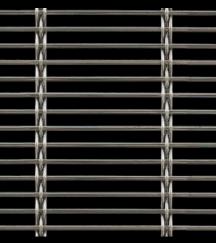
ASHLAND™ 8016

Stainless Steel, Type 304, Woven -Flat Wire Plain Weave, 6% Open Area



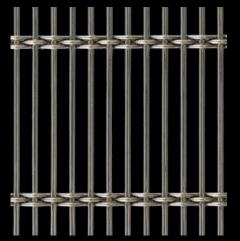
ASHLAND™ 8017

Bronze, Bronze Alloy, Woven -Flat Wire Plain Weave, 25% Open Area



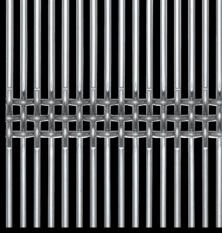
**AURA™ 8150** 

Stainless Steel, Type 316, Woven -Rigid Cable-Style Weave, 65% Open Area



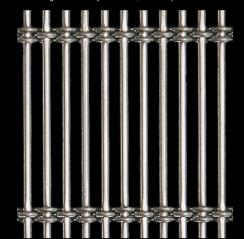
**AURA™ 8155** 

Stainless Steel, Type 304, Woven -Rigid Cable-Style Weave, 62% Open Area



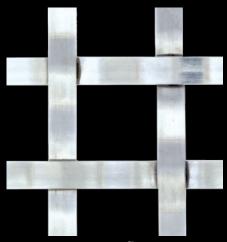
**AURA™ 8857** 

Stainless Steel, Type 304, Woven -Triple Shute Weave, 48% Open Area



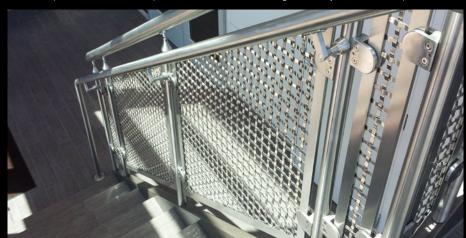
AURA™ 8858

Stainless Steel, Type 304, Woven -Rigid Cable-Style Weave, 51% Open Area



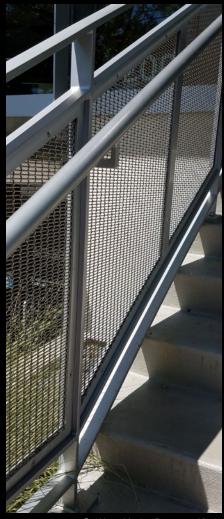
ASHLAND™ 8015

Stainless Steel, Type 304, Woven -Flat Wire Plain Weave, 51% Open Area



McNICHOLS® Wire Mesh, Designer Mesh, ASHLAND™ 8015, Stainless Steel, Type 304, Woven - Flat Wire Plain Weave, 51% Open Area, gives this staircase railing a decorative, sophisticated look inside a national bank facility.





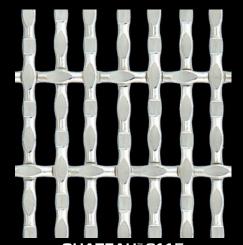
McNICHOLS® Wire Mesh, Designer Mesh, CHATEAU $^{\text{TM}}$  3105, Galvanized, Pre-Galvanized, Woven - Flat Top/Plain Weave, 58% Open Area in a Denver office building.



CHATEAU™ 3105 Galvanized Steel, Pre-Galanized, Flat Top/Plain Weave, 58% Open Area



Lockcrimp/Plain Weave, 67% Open Area



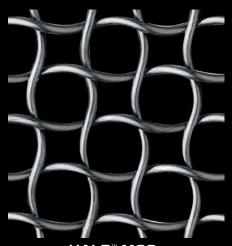
CHATEAU™ 3115 Stainless Steel, Type 304, Woven -Modified Intercrimp/Plain Weave, 56% Open Area



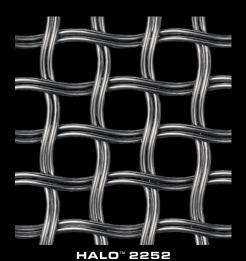
CHATEAU™ 3120 Stainless Steel, Type 304, Woven -Flat Top/Plain Weave, 66% Open Area



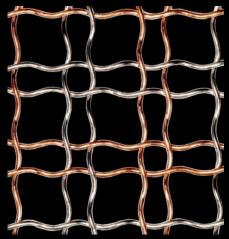
CHATEAU™8861 Stainless Steel, Type 304, Woven -Intercrimp/Plain Weave, 27% Open Area



HALO™1162 Carbon Steel, Cold Rolled, Woven -Helical (Spiral) Crimp Weave, 62% Open Area



Stainless Steel, Type 304, Woven - Double Wire Helical (Spiral) Crimp Weave, 52% Open Area

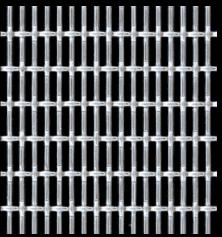


**HALO**™ 4474

Copper/Stainless Steel, Copper Alloy/Type 304, Woven - Helical (Spiral) Crimp Weave, 74% Open Area



McNICHOLS® Wire Mesh, Designer Mesh, HALO™ 4474, Copper/Stainless Steel, Copper Alloy/Type 304, Woven - Helical (Spiral) Crimp Weave, 74% Open Area used as beautiful cabinet infill panels in a Dallas, Texas conference room.



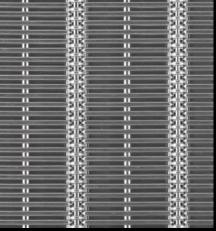
SHIRE™ 2105

Stainless Steel, Type 304, Woven -Lockcrimp/Plain Weave, 44% Open Area



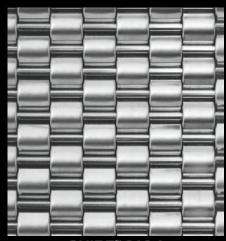
SHIRE™ 2130

Stainless Steel, Type 304, Woven -Flat Top Cladding Weave, 0% Open Area



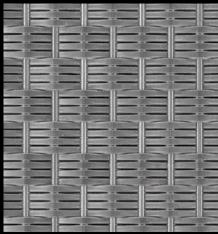
SHIRE™ 2131

Stainless Steel, Type 304, Woven -Hollow Center Dutch-Style Weave, 0% Open Area



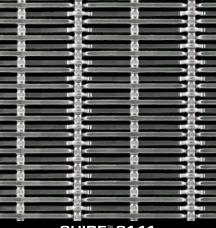
SHIRE™ 2134

Stainless Steel, Type 304, Woven -Flat Wire Cladding Weave, 0% Open Area



SHIRE™ 2136

Stainless Steel, Type 304, Woven -Flat Wire Cladding Weave, 0% Open Area



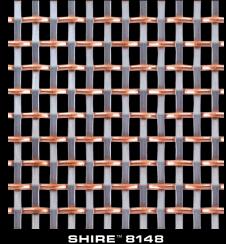
SHIRE™ 2141

Stainless Steel, Type 304, Woven -Hollow Center Dutch-Style Weave, 32% Open Area

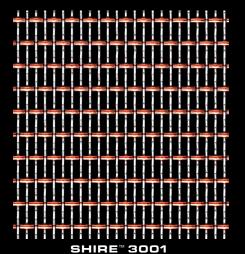




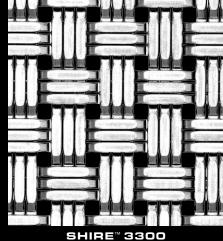
McNICHOLS® Wire Mesh, Designer Mesh, SHIRE™ 8148, Copper/Stainless Steel, Copper Alloy/Type 304, Woven - Flat Warp/Round Fill Weave, 41% Open Area provides a stylish accent as infill panels in this custom built storage cabinet.



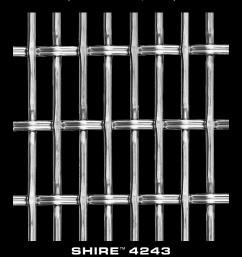
Copper/Stainless Steel, Copper Alloy/Type 304, Woven - Flat Warp/Round Fill Weave, 41% Open Area



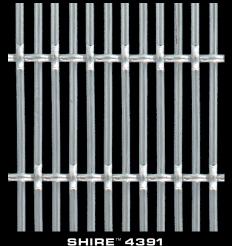
Bronze/Stainless Steel, Bronze Alloy/Type 304, Woven - Intercrimp/Plain Weave, 56% Open Area



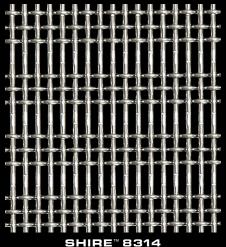
Stainless Steel, Type 304, Woven - Three Wire (Basket Look) Cladding Weave, 10% Open Area



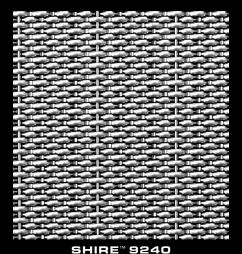
Stainless Steel, Type 316, Woven -Flat Top Weave, 57% Open Area



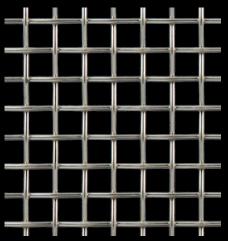
Stainless Steel, Type 316, Woven -Flat Top Weave, 52% Open Area



Stainless Steel, Type 304, Woven -Triple Shute Weave, 43% Open Area

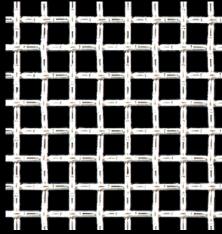


Stainless Steel, Type 304, Woven -Dutch-Style Weave, 0% Open Area



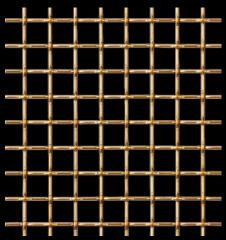
TALICA™ 2100

Stainless Steel, Type 316, Woven -Plain Weave, 64% Open Area



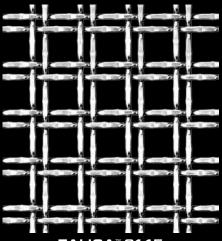
TALICA™ 2120

Stainless Steel, Type 304, Woven -Lockcrimp Weave, 56% Open Area



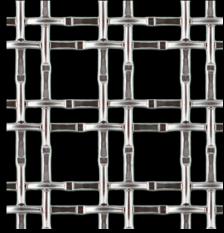
TALICA™ 4270

Bronze, Bronze Alloy, Woven -Lockcrimp Weave, 70% Open Area



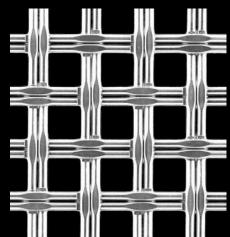
TALICA™ 8145

Stainless Steel, Type 304, Woven -Twin Wire Flat Top Weave, 53% Open Area



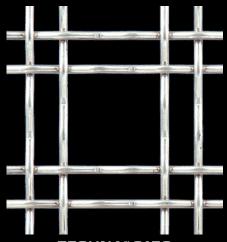
TALICA™ 8146

Stainless Steel, Type 304, Woven -Twin Wire Flat Top Weave, 61% Open Area



TALICA™ 8150

Stainless Steel, Type 304, Woven -Twin Wire Weave, 46% Open Area



TECHNA™ 3150

Stainless Steel, Type 304, Woven -Double Wire Intercrimp Weave, 74% Open Area

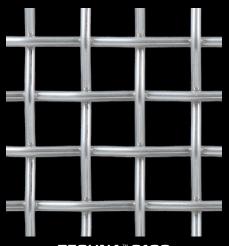


**McNichols**® Designer Mesh, TECHNA $^{\text{TM}}$  3150, Stainless Steel, Type 316, Woven - Double Wire Intercrimp Weave, 74% Open Area was used to create this decorative and functional raining infill panel at a Dallas, Texas office building.

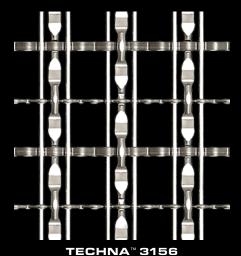




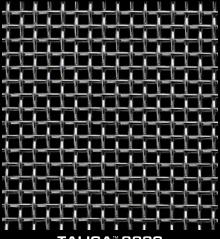
 $\begin{tabular}{ll} \bf McNICHOLS @ Wire Mesh, Designer Mesh, \\ \bf TECHNA^{TM} 3156, Stainless Steel, Type 316, Woven functions as a partition in a St. Cloud, Minnesota restaurant. \\ \end{tabular}$ 



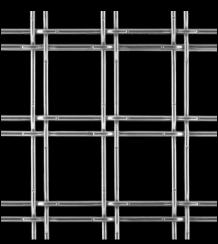
TECHNA™ 3100 Stainless Steel, Type 316, Woven -Plain Weave, 65% Open Area



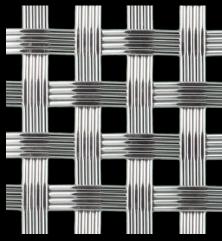
Stainless Steel, Type 316, Woven -Four Crimp Styles Weave, 61% Open Area



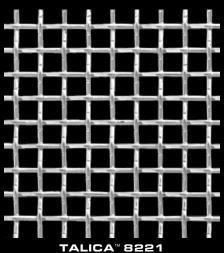
TALICA™ 8220 Stainless Steel, Type 304, Woven -Plain Weave, 45% Open Area



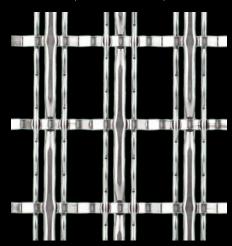
TECHNA<sup>™</sup> 3155 Stainless Steel, Type 304, Woven -Lockcrimp Weave, 75% Open Area



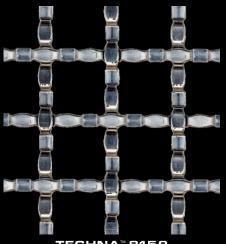
TALICA™ 8158 Stainless Steel, Type 304, Woven -Four Wire Weave, 34% Open Area



Stainless Steel, Type 304, Woven -Lockcrimp/Plain Weave, 56% Open Area

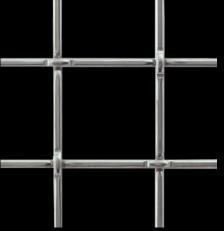


TECHNA™ 3162 Stainless Steel, Type 304, Woven -Three Crimp Styles Weave, 60% Open Area



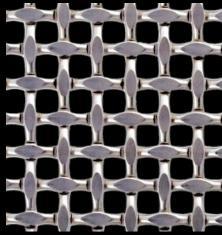
#### TECHNA<sup>™</sup> 8159

Stainless Steel, Type 304, Woven -Intercrimp Weave, 63% Open Area



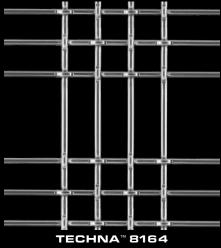
#### TECHNA™ 8160

Stainless Steel, Type 304, Woven -Lockcrimp Weave, 82% Open Area

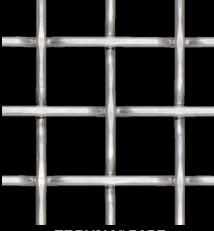


#### TECHNA™ 8163

Stainless Steel, Type 304, Woven -Plain Weave, 37% Open Area

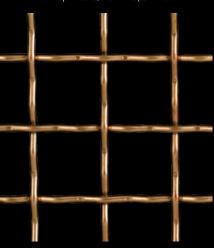


Stainless Steel, Type 304, Woven -Cremona-Style Weave, 77% Open Area



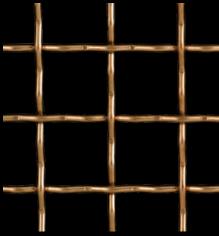
#### TECHNA<sup>™</sup> 8165

Stainless Steel, Type 304, Woven -Flat Top Weave, 70.2% Open Area



#### TECHNA™ 8168

Stainless Steel, Type 304, Woven -Flat Top Weave, 74% Open Area



#### TECHNA™ 8169

Copper, Copper Alloy, Woven -Intercrimp Weave, 74% Open Area



McNICHOLS® Wire Mesh, Designer Mesh, TECHNA™ 8169, Bronze, Bronze Alloy, Woven -Intercrimp Weave, 74% Open Area is used for everything from the hostess stand to the lighting fixtures in this Herold Square restaurant located in New York City



# McNICHOLS® DESIGNER PERFORATED GRILLES



McNICHOLS® Perforated Metal, Designer Perforated Grille, DIAMOND, Aluminum, Satin Finish, 1/4" Diamond, 25% Open Area embellishes the window vent of this city apartment.

Whether your design goals are to reproduce historic details or add a modern touch, **McNichols**® Designer Perforated Grilles will give your space a timeless style. Made to your specifications, Perforated Grilles are ideal for both interior and exterior applications. Available in a variety of materials, thicknesses, and finishes, these Hole Products are perfect selections for walls, ceilings, window areas, cabinet inserts, air conditioning vent or return covers, and more!

Please allow **McNICHOLS** to assist you in selecting the right Designer Perforated Grille for your next project. Our Architectural Products Team is ready and **Inspired to Serve®** you!



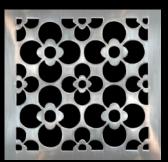
CATHEDRAL
Aluminum, Medium Duranodic Anodized Finish,
2-1/4" x 2-3/16 Pattern, 57% Open Area



Bronze, Satin Finish, 1-5/8" x 1-5/16" Pattern, 58% Open Area



CLOVERLEAF Brass, Mirror Polish Finish, 1/2" x 3/16" Pattern, 51% Open Area



CLOVER DREAM
Stainless Steel, Mirror Polish Finish,
2-3/4" Pattern, 58% Open Area



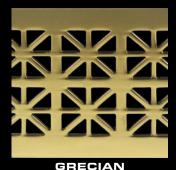
**DIAMOND**Aluminum, Satin Finish,
1/4" Pattern with 1/4" Bar, 25% Open Area



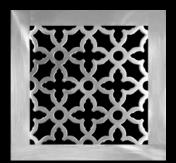
Stainless Steel, Satin Finish, 1" Pattern, 40% Open Area



Bronze, Satin Finish, 1-1/16" Pattern, 58% Open Area



Bronze, Mirror Polish Finish, 1-1/4" Pattern, 39% Open Area



MAJESTIC Stainless Steel, Mirror Polish Finish, 1" Pattern, 40% Open Area



MOSAIC Stainless Steel, Mirror Polish Finish, 1-3/32" Pattern, 54% Open Area



Aluminum, Baked Enamel Finish, 1-5/16" Pattern, 55% Open Area



Aluminum, Baked Enamel Finish, 5/8" Pattern, 48% Open Area

# McNICHOLS® DESIGNER TEXTURED METALS



McNICHOLS® Textured Metal, Designer Textured, TREADTEX® 1400, Aluminum, Alloy 3003-H14, 2-B Finish, .0630° Thick [14 Gauge], is used as wall cladding to create an industrial feel at this regional burger joint.

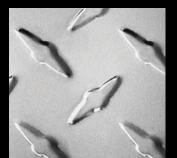
Bustling locations like elevators, corridors, and hallways demand a material that can disguise imperfections.

McNICHOLS® Designer Textured Metals do the job perfectly with dimension and shine.

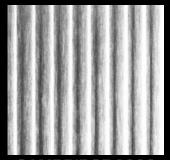
While little dings and scratches can disrupt flat, polished metals, damage to Textured Metals is much more difficult to recognize. Textured Metal surfaces hide fingerprints and offer the added bonus of long-term savings. The material is strong, durable, and built to withstand years of use.

Textured Metals come in a variety of patterns and materials, and are also eco-friendly. Made of 100% recycled content, they round out a sustainable project and can help garner LEED credits.

Please allow **McNICHOLS** to assist you the next time your project demands materials that can disguise imperfections while adding an element of dimension and shine.



TREADTEX® 1400 Aluminum, Alloy 3003-H14, 2-B Finish, .0630" Thick (14 Gauge)



CAMBRIDGE 2000 Stainless Steel, Type 304, No. 4 Satin Finish, 20 Gauge (.0375" Thick)



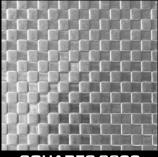
DIAMOND QUILT 2200 Stainless Steel, Type 304, No. 4 Satin Finish, 22 Gauge (.0312" Thick)



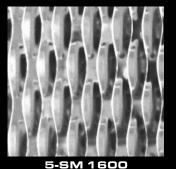
ENGINE TURN 2200 Stainless Steel, Type 304, Bright Annealed Finish, 22 Gauge (.0312" Thick)



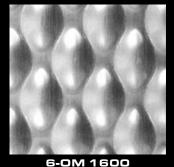
**LEATHER GRAIN 2200**Stainless Steel, Type 304, No. 4 Satin Finish, 20 Gauge (.0375" Thick)



SQUARES 2200 Stainless Steel, Type 304, Bright Annealed Finish, 22 Gauge (.0312" Thick)



Stainless Steel, Type 304, No. 4 Satin Finish, 16 Gauge [.0625" Thick]



Stainless Steel, Type 304, No. 4 Satin Finish, 16 Gauge (.0625" Thick)



# McNICHOLS® PERFORATED METAL CASE STUDY

#### THE SUMMIT ACTIVITY CENTER

GRAND PRAIRIE, TX

#### THE HOLE OBJECTIVE

The architectural team of The Summit, an adult activity and fitness center in Grand Prairie, TX, needed an overall design that would reduce the solar impact from Texas' summer heat and improve the building's energy efficiency.

#### THE HOLE SOLUTION

Designers created a series of canopies made of McNICHOLS® Perforated Metal that helped reduce the effects of the summer heat and as a result, lowered utility bills. Using Aluminum Perforated Metal on such a large portion of the structure, many up to two stories tall and nearly 23 feet wide, gave it a light and airy appearance. In addition to the solar concern, the team considered the activities at the center. Open at night, the facility's McNICHOLS® Perforated Metal canopies provide a decorative backdrop for evening illumination.







## McNICHOLS ECO-MESH® MODULAR TRELLIS SYSTEMS



McNICHOLS ECO-MESH® Modular Trellis Systems is a custom modular framework grid typically wall mounted to exterior structures creating aesthetic living green facades. Modular grids are commonly used for screen walls, canopies, arbors, partitions, fencing, and column covers for exterior and interior applications.

These high quality eco-panels are constructed to accommodate a growing space for various plants and vines. The Woven Wire Mesh flexes to allow for an increasing vine load as plants grow, while providing years of beauty and low maintenance.

ECO-MESH® offers architects, designers, contractors, and property owners many sustainable and functional green-build opportunities while being strong, durable, and lightweight.

### McNICHOLS ECO-MESH®QUALITYADVANTAGES

- Woven Wire Strong construction
- Galvannealed Steel Wire and Frame Offers superior corrosion resistance compared to G90 coated metals
- 0.135" Thick (10 Gauge) Wire Diameter Significantly stronger than 0.080" Thick wire found in other brands
- Custom Panel Sizes Available up to 96" wide and 240" long
- Eco-Friendly Powder Coating Available in 13 top-quality colors, super-durable with a 3,000 hour salt spray rating and high UV resistance
- Install Ready Mounting brackets and hardware available
- LEED Opportunities 95% recycled metal, no VOC concerns in field, SRI Index-rated coatings and more

#### IN STOCK & READY TO GO!



#### POWDER COATED TEXTURED BLACK

Galvannealed Steel ■ 2" x 2" Square Mesh

 $2\mbox{"}$  or  $3\mbox{"}$  Channel Width with a  $1\mbox{"}$  Return, 16 Gauge (.0635  $\mbox{"}$  Thick)

48" x 96" Panel ■ Mounting Brackets and Hardware Available

#### PRODUCT OPTIONS Galvannealed Steel (Most Common), Aluminum, PRIMARY MATERIAL Carbon Steel, Stainless Steel Mill, Sandblasted, Eco-Friendly Powder Coatings PRODUCT FINISH with 13 Standard Colors Woven - Intercrimp Weave, ISI5 Crimp Style In **WEAVE TYPE** Stock (Other Weave Types Available) 2" x 2" Square Mesh In Stock MESH SIZE (Other Mesh Sizes Available) WIRE DIAMETER/ 0.135" Thick (10 Gauge); 0.120" Thick (11 **WIRE GAUGE** Gauge), 0.148" Thick (9 Gauge) Available BRIDGE WIRE DIA./ 0.105" Thick (12 Gauge), Spaced 18" on Center WIRE GAUGE 2" or 3" Channel Width with a 1" Return, **CHANNEL SIZE** 16 Gauge (.0635" Thick) **PANEL WIDTH** 48" (24" to 96" Available) **PANEL HEIGHT** 96" (24" to 240" Available) **ACCESSORIES** Mounting Brackets and Hardware Available

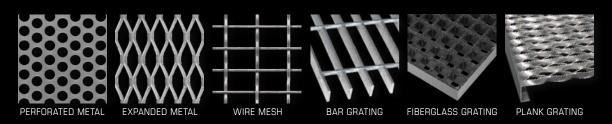


# McNICHOLS<sup>®</sup>

In business since 1952, **McNICHOLS CO.** is the worldwide leader in supplying "Hole Products" including **McNICHOLS**® Perforated and Expanded Metals, Wire Mesh and Designer Metals, as well as a complete line of Metal and Fiberglass Grating and Flooring Products. Our Metals Service Centers are strategically located in 19 cities across the country, but are all part of one "Hole Network." Customers choose **McNICHOLS** because of our knowledgeable associates, vast product inventory, and superior customer service. Please allow us to serve you on your next project!

# YOUR HOLE NETWORK





Industrial & Architectural Hole Product Solutions Since 1952.



Inspired to Serve!