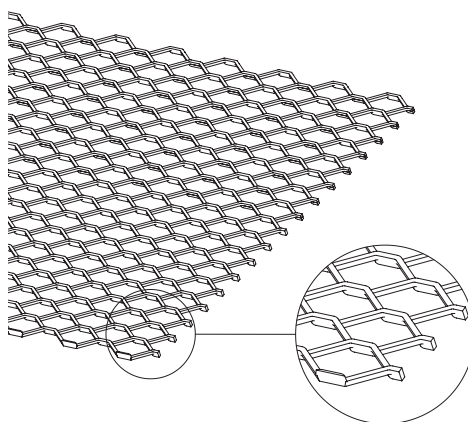
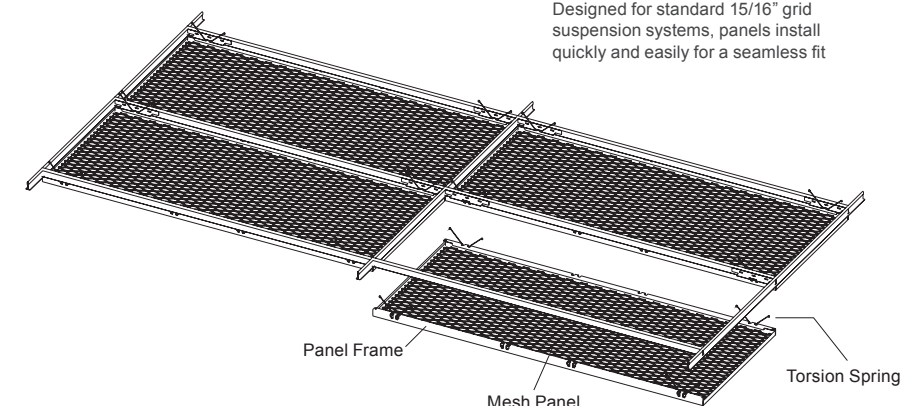




**Mesh Panels** offer a sleek industrial aesthetic that incorporates enhanced airflow, light transmission and expansive views of the plenum into your design.

## MAIN ASSEMBLY ▾



## PHYSICAL DATA

- Material substrate - Carbon Steel, Expanded Metal (other substrates, woven and welded wire are available upon request)
- Expanded Metal is supplied in a standard (raised) diamond pattern or a flattened variety
- Acoustical Options - Panels are supplied with optional acoustic infills to absorb sound.
- Warranty - One Year Limited
- Surface Finish - Factory-applied polyester paint. Available in Standard solid and metallic colors.
- Seismic areas - Mesh panels have been engineered for use in all seismic areas. Installations may require additional attachment from panel to suspension bar. Check with local code officials or a licensed engineer for additional requirements.

## SUSTAINABILITY

### CONTRIBUTES TO LEED®

- 100% recyclable
- Supports LEED v5 principles by offering long-term durability, design flexibility, and minimal maintenance over its service life. Made from highly recyclable materials with significant recycled content, metal mesh reduces the need for virgin resource extraction. At end of life, it is 100% recyclable, contributing to circular economy goals and lowering environmental impacts associated with replacement or disposal.

LEED® is a registered trademark of the U.S. Green Building Council

## FEATURES

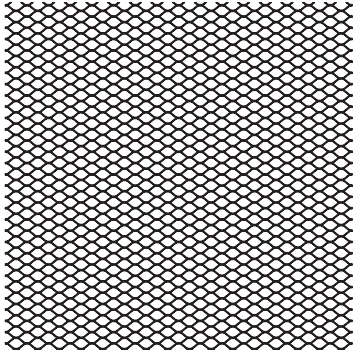
- Define interiors with a refined industrial edge
- Standard sizes - in addition to custom we also have quick ship standard products available made to order:
  - ▶ Width: up to 30"
  - ▶ Length: up to 72"
  - ▶ Custom sizes are available; larger panel sizes may require stiffeners.
- Mesh styles with over 70% open area allow sprinklers to sit discreetly above the ceiling, preserving a clean, uninterrupted ceiling design; check with local building & fire code requirements to ensure compliance
- Factory-engineered borders at panel edges ensure safe handling and fast installation into the grid system
- Quick ship and expedited shipping.
- Lightweight, easy to install.
- Cleanable using CDC recommended and EPA-approved disinfectants for fog, spray & wipe.
- Integrated lighting options available.
- Available with acoustic backing.



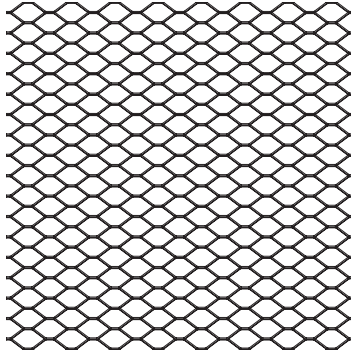
# MESH SPECIFICATION

Standard mesh styles are available in raised or flattened profiles, with varying levels of openness to suit different design and performance needs.

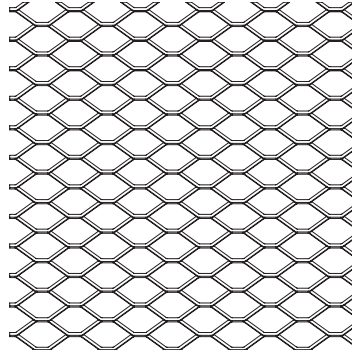
## Expanded Metal Specifications - RAISED



1/2" - #18R, OA 65%

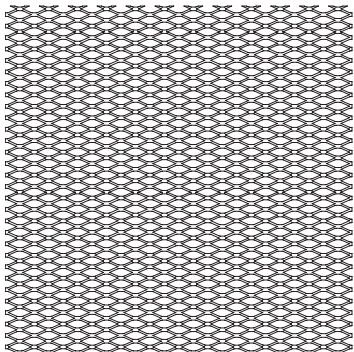


3/4" - #16R, OA 78%

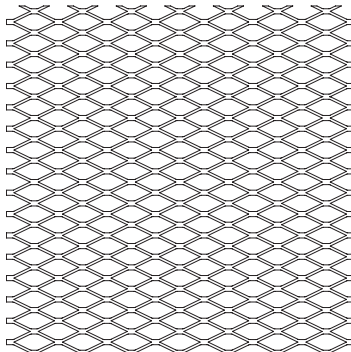


1 1/2" - #9R, OA 78%

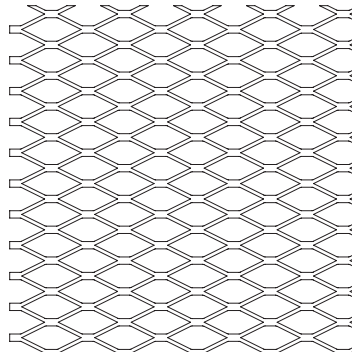
## Expanded Metal Specifications-FLATTENED



1/2" - #20F, OA 68%



3/4" - #16F, OA 76%



1 1/2" - #9F, OA 76%

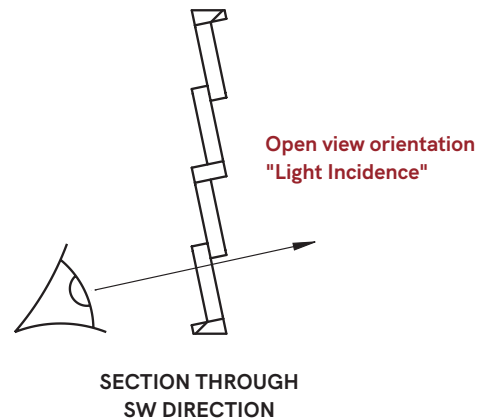
## Expanded Metal Mesh Considerations

Expanded metal mesh is available in a wide range of styles, each offering distinct aesthetics, levels of openness, and airflow performance. When selecting a mesh pattern, consider the following:

**Aesthetics** - Fine strand widths may appear subtle or difficult to read from a distance, while heavier strands provide stronger visual definition and greater impact, particularly in large-scale applications.

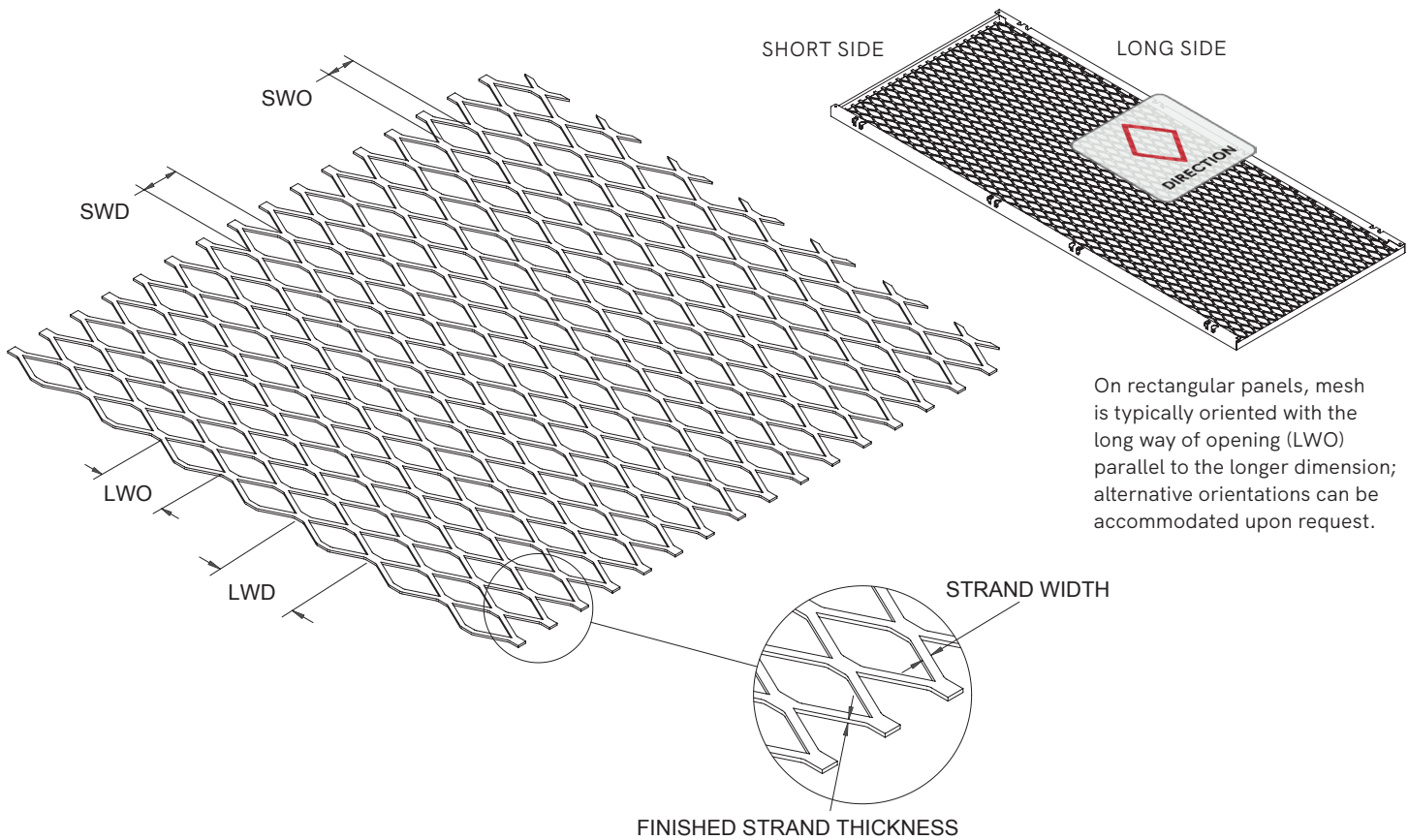
**Open Area** - If airflow or code compliance is a design requirement, identify the mechanical open area needed to satisfy ventilation or fire protection criteria.

**Orientation** - Because expanded mesh is dimensional, perceived openness changes with viewing angle. Many mesh styles "open" in a specific direction, influencing both opacity and visual effect.





# MESH SPECIFICATION



On rectangular panels, mesh is typically oriented with the long way of opening (LWO) parallel to the longer dimension; alternative orientations can be accommodated upon request.

| EXPANDED METAL, CARBON STEEL SPECIFICATIONS              |                        |                      |       |       |       |                       |                           |                    |                    |     |
|----------------------------------------------------------|------------------------|----------------------|-------|-------|-------|-----------------------|---------------------------|--------------------|--------------------|-----|
| RAISED                                                   |                        |                      |       |       |       |                       |                           |                    |                    |     |
| STYLE                                                    | MIN LBS. PER 100 SQ FT | DESIGN SIZE (Inches) |       |       |       | STRAND WIDTH (Inches) | STRAND THICKNESS (Inches) | APPROX % OPEN AREA | # OF DIAMONDS / FT |     |
|                                                          |                        | SWD                  | LWD   | SWO   | LWO   |                       |                           |                    | SWD                | LWD |
| 1/2" - #18                                               | 69                     | 0.500                | 1.200 | 0.382 | 0.938 | 0.088                 | 0.048                     | 65                 | 24                 | 10  |
| 3/4" - #16                                               | 54                     | 0.923                | 2.000 | 0.783 | 1.750 | 0.101                 | 0.060                     | 78                 | 13                 | 6   |
| 1 1/2" - #9                                              | 119                    | 1.330                | 3.000 | 1.087 | 2.375 | 0.144                 | 0.134                     | 78                 | 9                  | 4   |
| FLATTENED                                                |                        |                      |       |       |       |                       |                           |                    |                    |     |
| STYLE                                                    | MIN LBS. PER 100 SQ FT | DESIGN SIZE (Inches) |       |       |       | STRAND WIDTH (Inches) | STRAND THICKNESS (Inches) | APPROX % OPEN AREA | # OF DIAMONDS / FT |     |
|                                                          |                        | SWD                  | LWD   | SWO   | LWO   |                       |                           |                    | SWD                | LWD |
| 1/2" - #20                                               | 37                     | 0.500                | 1.260 | 0.342 | 1.000 | 0.079                 | 0.029                     | 68                 | 24                 | 9.5 |
| 3/4" - #16                                               | 47                     | 0.923                | 2.100 | 0.701 | 1.750 | 0.111                 | 0.048                     | 76                 | 13                 | 5.7 |
| 1 1/2" - #9                                              | 105                    | 1.330                | 3.150 | 1.014 | 2.563 | 0.158                 | 0.108                     | 76                 | 9                  | 3.8 |
| Don't see what you're looking for - connect with Maxxit. |                        |                      |       |       |       |                       |                           |                    |                    |     |



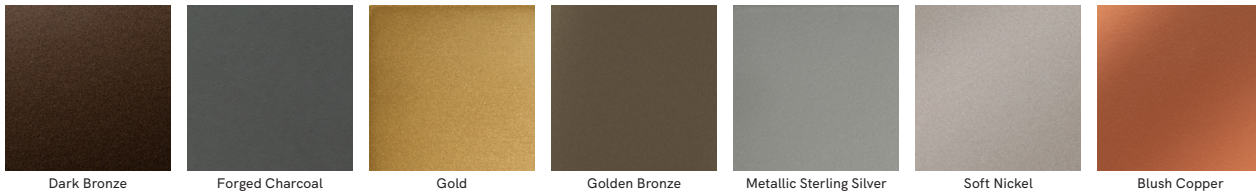
# STANDARD COLORS

Maxxit powder coat finishes offer superior chemical, scratch and UV resistance, they do not emit VOC's and are available in a broad range of textures, glosses and specialty looks.

## Powder Coated Paint Finishes (Interior & Exterior) Formaldehyde-Free



## Powder Coated, Bonded Metallic Finishes (Interior & Exterior) Formaldehyde-Free





# PANEL:Form™ DESIGNS

BACKLIT  
Ceiling



BACKLIT  
Walls



CANOPY PARTITIONS



CONCAVE



DIMENSIONAL



GRAPHIC PERFORATED  
Ceiling



GRAPHIC PERFORATED  
Walls



MESH



MOZAIX



QUIET WALL



RADIUS



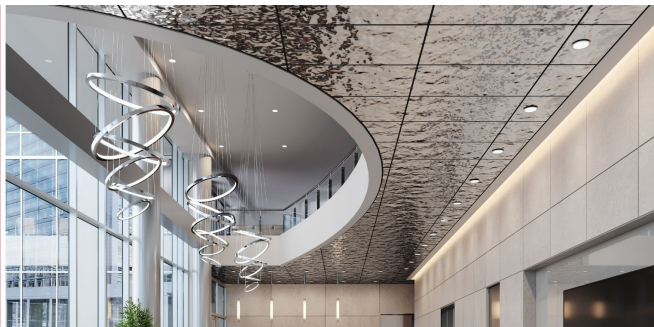
SEGMENTED



TRADITIONAL

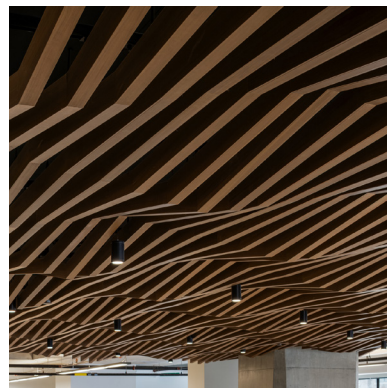


WATER RIPPLE



# WHERE CREATIVE ENGINEERING MEETS ARCHITECTURAL VISION

At Maxxit, we combine creative engineering, advanced manufacturing, and close collaboration to help architects and designers bring bold ideas to life. From standard to custom solutions, we turn imagination into precision-built reality.



## Co:LAB Studio

Our custom design service empowers architects and designers to realize unique visions through tailored solutions, material innovation, and expert collaboration — turning bold ideas into architectural realities.