SECURITY MESH

In Conjunction with Bailey Steel Framing

BENEFITS

• Provides security barrier in all applications
• Cannot be cut with hand cutters
• Mesh openings are too small for bolt or cable cutters
• Made by cutting and stretching a solid sheet of steel that will not unravel at the strands

COMMON APPLICATIONS

Where security barriers are required between walls in government offices, banks, prisons, police stations, computer rooms, museums, strip malls, art galleries, pharmacies, liquor stores, condominiums, hospitals, or office security.

NOTE: Other sizes available upon request.
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GENERAL DETAILS

INSTALLATION

1. Cutting
   • 10” circular saw with a carbide-tip blade
   • Torch or high speed, heavy duty nibbler

2. Fastening Options
   • One-way screws
   • Self Drilling screws: Use pan head type. Screws need to be long enough to penetrate through steel studs at least 1/4 inch.
   • Nailing: (For use with wood support) Use minimum #11 gauge barbed roofing nails with at least 1 1/2” penetration into the support or power driven staples with at least 3/4” penetration.
   • Welding to Steel Studs: Security mesh should be fillet welded to steel studs 20 gauge or heavier, max 8” on center; edge welds must be within 2” of the edge.

3. End Joints and Edge Joints
   • End Joints must be butted and occur over studs.
   • Edge Joints should be butted and wire-tied at the mid point between supports.

4. Overlapping
   • If overlapping the material is necessary, a longer screw should be used to maintain 1/4” penetration.

TABLE

<table>
<thead>
<tr>
<th>STYLE NO.</th>
<th>WEIGHT (lbs) PER</th>
<th>DESIGN SIZE (inches)</th>
<th>OPENING SIZE (inches)</th>
<th>STRAND SIZE (inches)</th>
<th>% OPEN AREA</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>EXMET</td>
<td>CSF</td>
<td>A</td>
<td>B</td>
<td>C</td>
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<tr>
<td>C3/4 - 9F</td>
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<td>176</td>
<td>.923</td>
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<td>.563</td>
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<td>C11/2 - 9F</td>
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<td>114</td>
<td>1.350</td>
<td>3.200</td>
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</table>

TERMINOLOGY

S.W.D. Short Way Diamond
L.W.D. Long Way Diamond
Bond. Area where strands intersect
Strand Width Surface area of metal strips forming diamond
Strand Thickness Gauge of material being expanded
Flattening Flattened short dimension diamond parallel to rolls
Levelling Mesh roller levelled to reduced curving

THE STRENGTH WITHIN