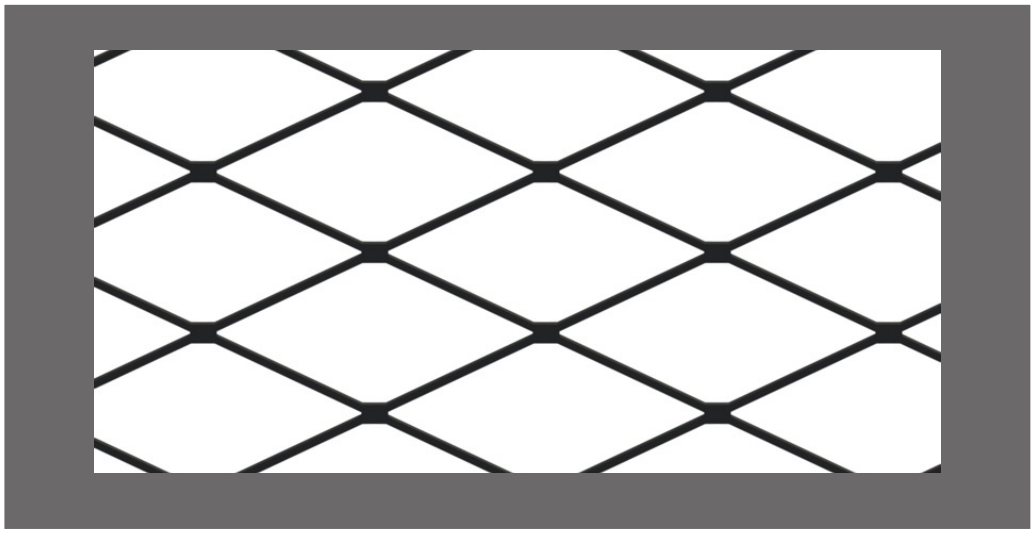
Security Mesh



Expanded metal Security Mesh is installed on both wood and lightweight steel framing systems. The high strength security mesh acts as a barrier between the studs and the gypsum, thereby providing enhanced protection to walls, ceiling and floors.

Security mesh is available in 4’ x 8’ sheets and are produced in different size diamonds and gauges for minimum, medium, or maximum security protection.

Security mesh is a cost effective and time saving alternative to reinforced concrete or masonry systems. Typical projects that use security mesh are: government offices, correctional facilities, banks, computer rooms, airport security, military buildings, or any space that requires substantial barrier protection.

Security Mesh

LAYOUT OF SECURITY MESH

Installation and lay-out of the security mesh panels on the job shall be approved by the owner or general contractor prior to installation, with the intent to attach mesh panels on vertical framing members. It is recommended that framing members be no less than 20ga metal studs for security applications.

Security Mesh panels may be installed with diamonds running in either direction. The sheets are produced to industry standards (EMMA) of (up to) -0 + 1⁄4" per foot tolerance in either direction of the mesh. Therefore, the mesh may not be perfectly square. The mesh's joints shall join by either staggering or butt joint diamonds. If the previous joining methods can't be employed, there is allowance for overlapping the mesh panel's joints, with proper fastening or wire-tying between framing at recommended spacing.

ATTACHMENT OF SECURITY MESH

Security Mesh shall be attached to framing members using DCM's security mesh clips through recommended threaded fasteners. Steel stud fasteners shall be flat head, bugle type, self-tapping screw long enough to penetrate the steel stud at least 3/8". For wood stud applications, use a 1 -5/8" fine thread drywall screw allowing the fastener to penetrate the framing member at least 1-1⁄2". It is recommended thar the clips be installed 12" on-center vertically on framing members. The clips are the preferred method of securing mesh panels to framing members. Security mesh can be cut with a hand held circular saw with abrasive or carbide tip blade; hand-held grinder with cutting wheel, cutting torch or heavy duty snips.

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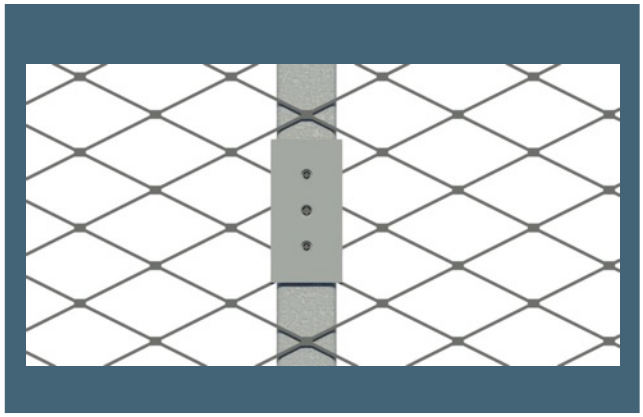
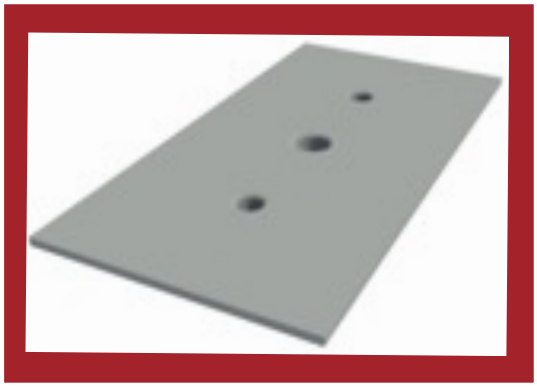
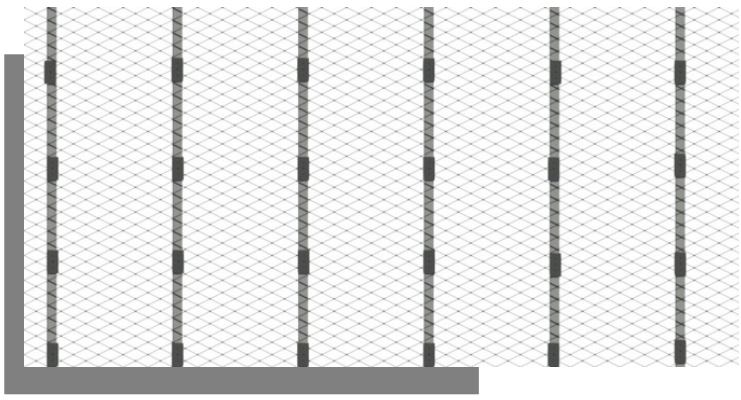




DCM Security Mesh Clips are high-strength steel components which provide secure attachment of Security Mesh metal panels to wood or steel stud framing for a complete Security Mesh. The clips act as “washers” for the attachment of the Barrier Mesh to framing members.

Material: DCM Security Mesh Clips are installed 12” on center vertically on framing members. Studs are typically spaced at 16” on center.



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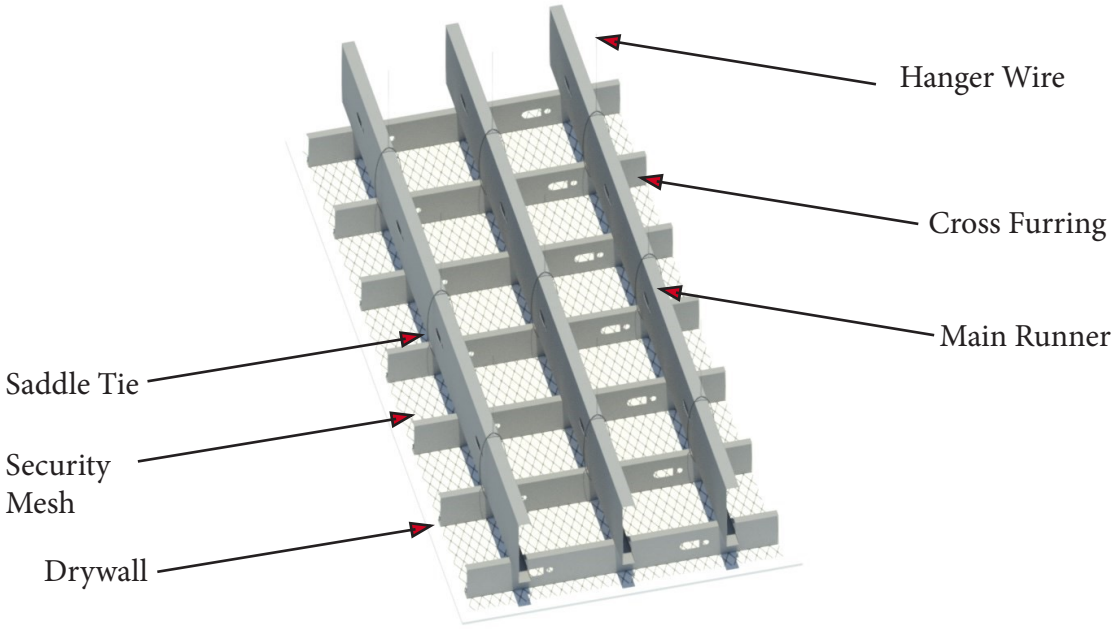

Security Mesh used as a barrier behind drywall in a ceiling application

ASTM & CODE STANDARDS:

ASTM F1267 – Standard Specification for Metal, Expanded, Steel Type II, Class 1 – Carbon Steel
ASTM A1011/A1011M – Standard Specification for Steel Sheet, Hot-Rolled, HighStrength Low-Alloy Carbon

Product	Nom. Gauge	Overall Thickness	Diamond	Bond Size (center-to-center)	lbs/Sheet	Percent of Open Area
9F x 3/4" Security Mesh	9	0.108"	3/4"	0.923" x 2.10"	55	65
9F x 1-1/2" Security Mesh	9	0.108"	1-1/2"	1.33" x 3.15"	36	76
13F x 3/4" Security Mesh	13	0.72"	3/4"	0.923" x 2.10"	24	77
13F x 1-1/2" Security Mesh	13	0.72"	1-1/2"	1.33" x 3.15"	17	83

CSSBI
Canadian Sheet Steel Building Institute