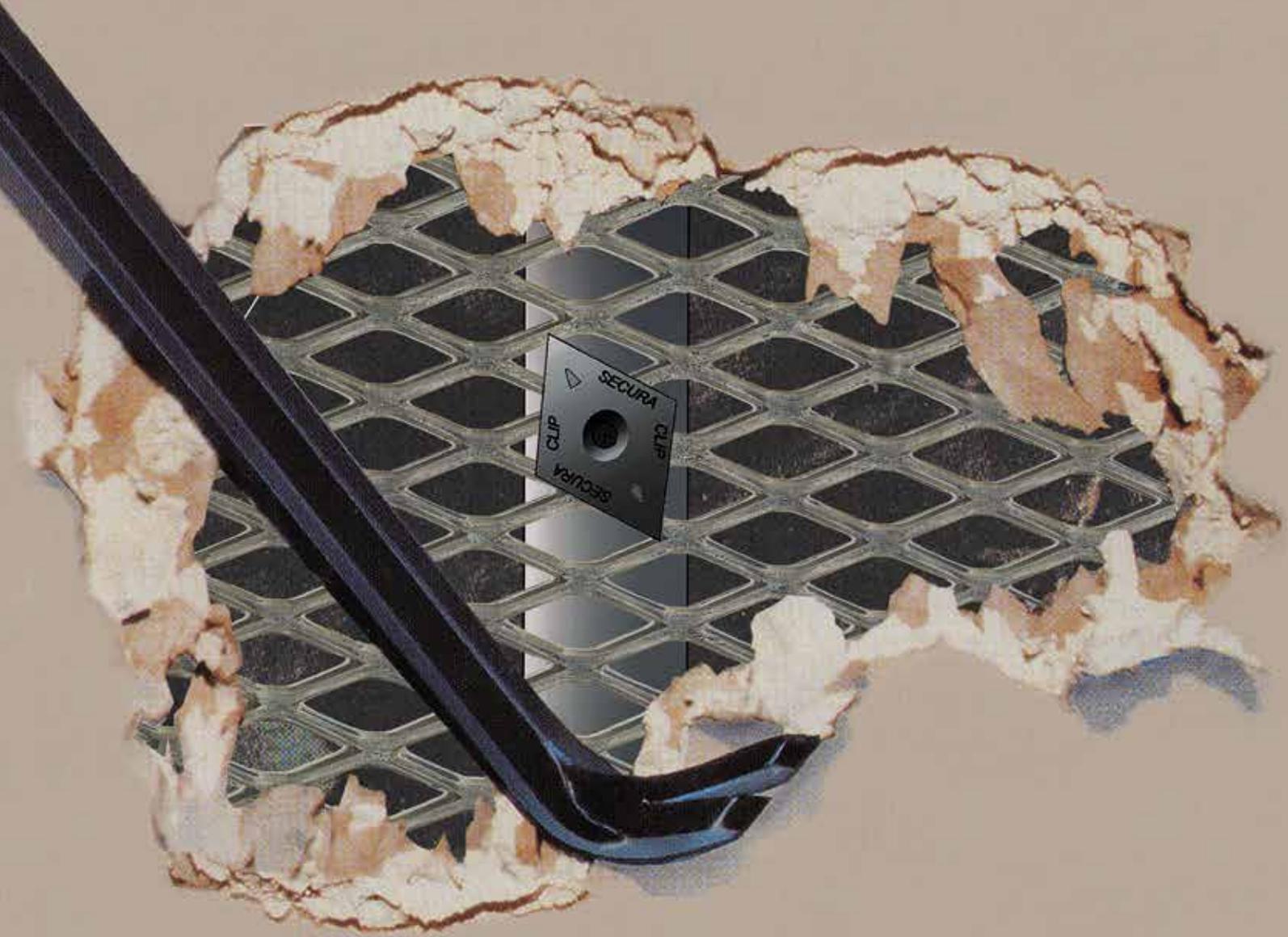# Security Mesh™

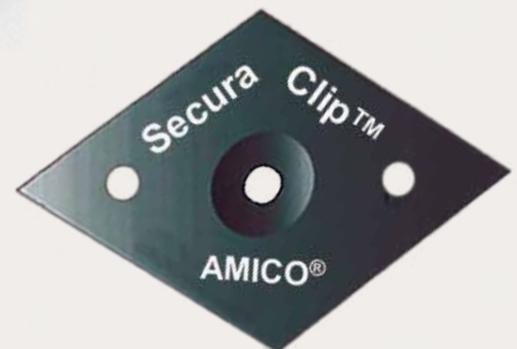## THE PENETRATION BARRIER BEHIND DRYWALLS

AMICO Security Mesh™

Security Mesh™ was developed and introduced by AMICO in the late 1980s as a penetration barrier for use behind drywall finishes. In 2002, AMICO patented the Secura Clip™, making a system that designers and security professionals can count on to provide the highest levels of physical security.

AMICO Security Mesh has been installed for decades in government, commercial and retail buildings all over the world.

AMICO's patented Secura Clips™ complete the system. Secura Clip™

fasteners have a recessed center hole allowing the Tek screw to seat at the surface of the mesh and not create humps and bumps alerting intruders to the penetration barrier. Secura Clip™ fasteners provide over 68% more holding strength than standard screws alone.
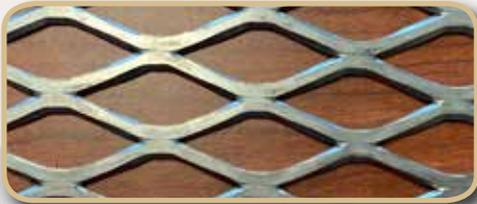
Gypsum finish is installed directly over Security Mesh™. No need for other materials for added intrusion protection. AMICO has supplied numerous projects requiring mesh to be attached to both sides of the framing members.
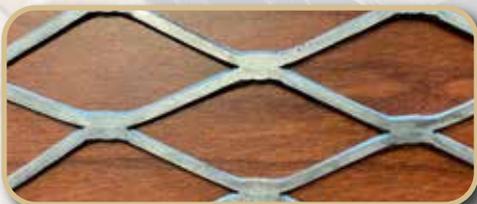
AMICO Secura Clip™

Components

ASM .75-9F HM Super Max Security

ASM .75-9F Maximum Security

ASM .50-13F Maximum Security

ASM 1.5-9F Medium Security

ASM .75-13F Medium Security

ASM 1.0-16F Minimum Security

ASM 1.5-13F, ASM .50-16F, ASM .75-16F, and ASM 1.5-16F not shown

Mesh Selection

AMICO offers Minimum, Medium, Maximum and Heavy Modified Super Max Security mesh panels. The style of mesh can be determined by the overall level of security for the facility and other conditions such as response time by security or law enforcement.

AMICO SECURITY MESH	Weight per sq. ft.	Overall Thickness	Percent Open Area
ASM .75-9F HM	2.38 lbs	.140"	63%
ASM .75-9F	1.57 lbs	.108"	64%
ASM .50-13F	1.26 lbs	.072"	57%
ASM 1.5-9F	1.05 lbs	.108"	76%
ASM .75-13F	.67 lbs	.072"	77%
ASM 1.5-13F	.51 lbs	.072"	83%
ASM .50-16F	.75 lbs	.048"	61%
ASM .75-16F	.47 lbs	.048"	76%
ASM 1.0-16F	.38 lbs	.048"	80%
ASM 1.5-16F	.35 lbs	.048"	82%

Tolerances: Short Way of Diamond (SWD) & Long Way of Diamond (LWD) 0 + 0.25" per 12" of width. Panel sizes: 4' x 8' standard, other sizes are available upon request.

Mesh Finish

Security Mesh™ is supplied in a Mill Finish (HR P&O - Hot Rolled Pickled & Oiled) as standard. For special applications such as installation adjacent to shower or kitchen areas, Hot dip galvanized is available upon request.

Framing

Generally, vertical framing members are set 16-inches on center. Horizontal ceiling members are set 16 to 24-inches on center. As the requirements for higher levels of security arise the spacing of vertical framing can be reduced to 12-inches on center. 12-inch stud spacing is frequently specified with the ASM .75-9F Heavy Modified.

Secura Clip™ Fasteners

For best performance AMICO Secura Clip™ fasteners need to be used. Install clips to metal framing using bugle head self-tapping screws penetrating the framing member a minimum of 3/8-inch. With wood framing use 1-5/8-inch drywall screws allowing the fastener to penetrate framing a minimum of 1-1/2-inches. Standard spacing is 12-inches vertically per framing member for both vertical and horizontal surfaces.

DRYWALL FINISH

8'-0"

4'-0"

1'-0" (TYP.)

1'-4" (TYP.)

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