

Aluminum Breakaway Clips (for Area Separation Walls)

Product Category:	Nonstructural Area Separation Walls (typically specification section 09 22 16)		
Yield Strength:	21 KSI	Tensile Strength:	22 KSI
Material:	Aluminum 3003-H14	Temperature range:	heat softenable at 1000° F
Hole size:	5/32" (4 mm)	Thickness:	0.050" (min) 0.052" (design)

Aluminum Clip Notes:

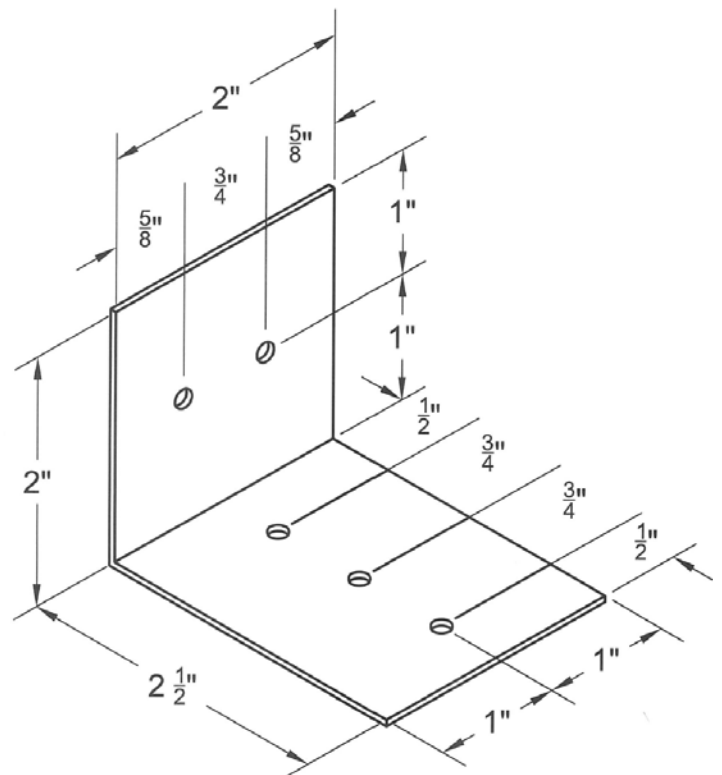
Super Stud clips are the most common configuration for Area Separation Wall assemblies. Clips are 0.050" thick, made of construction grade aluminum sheet, with pre-drilled holes in both flanges. Holes are 5/32" diameter (0.156" or 4 mm) and placed as shown in diagram below.

USE AND INSTALLATION INSTRUCTIONS

IMPORTANT: For a detailed description of clip requirements and wall construction, please consult the appropriate Underwriters Laboratories (UL) design or gypsum company requirements for Area Separation Walls.

Aluminum breakaway clips are used on both sides of area separation walls, for support by the adjacent structure. Clips are designed so that when a fire occurs, the clips on the fire side of the wall will melt, allowing the burned structure to fall away without dragging down the protective area separation wall. This maintains protection of the adjacent building, no matter which side of the wall is exposed to the fire.

INSTALLATION: Once the first level of wall is installed with double liner panels, H-studs, and C-runners, attach all H-studs and vertical C-runners to adjacent framing with aluminum breakaway clips. Clips attaching H-studs and vertical C-runners to adjacent framing on both sides require attachment to the H-stud and C-runner with one 3/8" Type S screw. Clips attaching H-studs and vertical C-runners to adjacent framing on only one side and with exterior exposure on the other side require attachment to the H-stud and C-runner with two 3/8" Type S screws. Attachment to the adjacent framing is with one 1-1/4" Type W or Type S screw. Wall heights are dictated by the specific fire-rated assembly. At least one clip is required at each floor line at each vertical steel element of the area separation wall.



CODES & STANDARDS

Super Stud Aluminum Breakaway Clips comply with the applicable provisions of the following:

International Building Code (IBC) 2006 - 2015

Sheet Aluminum: Aluminum Association (AA) 3003-H14

UNS A93003, ISO AlMn₁Cu

Members & Tolerances: ASTM C645

Meets ASTM C1007 when installed properly in structure