



Sound Isolation Clips (SIC Clips) Fire-Rated Floor/Ceiling Assembly

	Model SIC Clip Assembly	Non-SIC Clip Assembly	Non-SIC Clip Assembly
UL Design	L583	L528	L576
Rating (Hrs.)	1	1	1
Finish Rating (Min.)	58	22	25
Sub-flooring	23/32" plywood T&G	23/32" plywood T&G	23/32" plywood
Finish Flooring	None	None	1x4 T&G lumber
Structural Member	Parallel Chord Trusses, or Wood "I" Joist, or Wood and Steel Trusses, or 2x10 and larger	Parallel Chord Trusses	Parallel Chord Trusses
Insulation	6-1/4" fiber glass blanket draped over furring channel	Adding fiber glass in cavity REQUIRES 2nd layer of drywall *	Adding 3.5" fiber glass REQUIRES tighter clip spacing and twice as many joists
Furring Channel Spacing (o.c.)	24"	24"	16" (12" with fiber glass)
Clip Spacing (along furring channel)	48"	48"	48" (12" with fiber glass)
Butt Joints	Along existing furring channel	Extra clips and furring channel REQUIRED at butt joints	Extra clips and furring channel REQUIRED at butt joints
Clips Needed **	35 IsoMax	70 (113 with fiber glass)*	87 (285 with fiber glass)
Furring Channel Needed (LF) **	115.5	179.5 (267.5 with fiber glass)*	229 (278.5 with fiber glass)
Gypsum	2 layers, 5/8" Type C	1 layer, 5/8" Type C (2 layers, with fiber glass)*	1 layer, 5/8" Type C

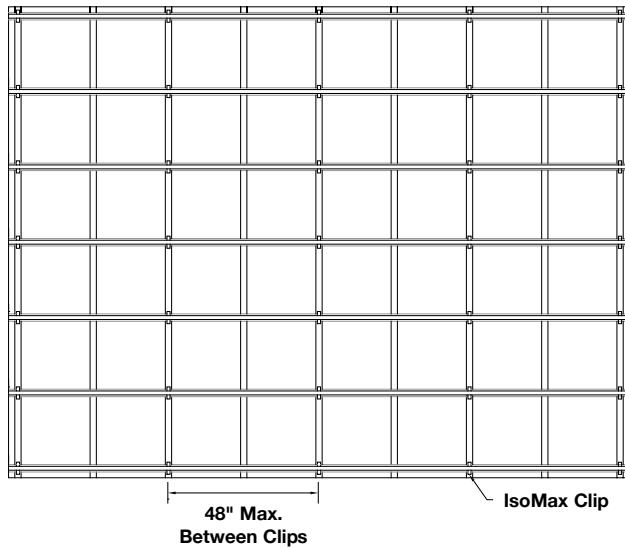
*** From UL BXUV.GuidelInfo – Fire Resistance Ratings – ANSI/UL 263
Part III Floor-Ceilings and Roof-Ceilings, Section 18: Blanket:**

Unless specifically described in a design, the addition of insulation in the concealed space between the ceiling membrane and the floor or roof structure may reduce the hourly rating of an assembly by causing premature disruption of the ceiling membrane and/or higher temperatures on structural components under fire exposure conditions.

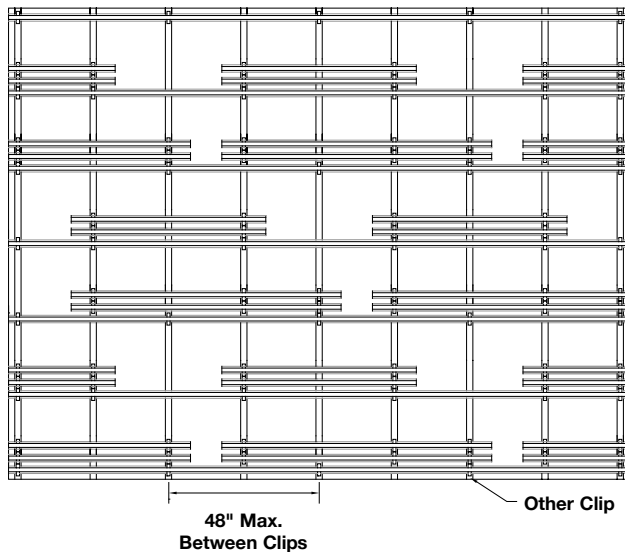
Insulation in G500, L500 and P500 Series Designs — For 1-hour rated G500, L500 and P500 series assemblies, fiberglass insulation, either loosefill, batts or blankets may be added to the plenum or joist space above the gypsum wallboard provided an additional layer of gypsum wallboard is added to the assembly. The gypsum wallboard should be of the same type as shown in the individual designs. The base layer of wallboard should be attached with the fastener type and spacing as described in the design. It is not necessary to tape the joints of the base layer. The finish layer of gypsum wallboard should also be attached with the fastener type and spacing as described in the individual design. The length of the fasteners should be increased by a minimum of the wallboard thickness of the additional layer. The joints in the finish layer should be finished as described in the design.

Other methods of adding insulation in the plenum or joist cavity are not permitted unless indicated in the individual designs.

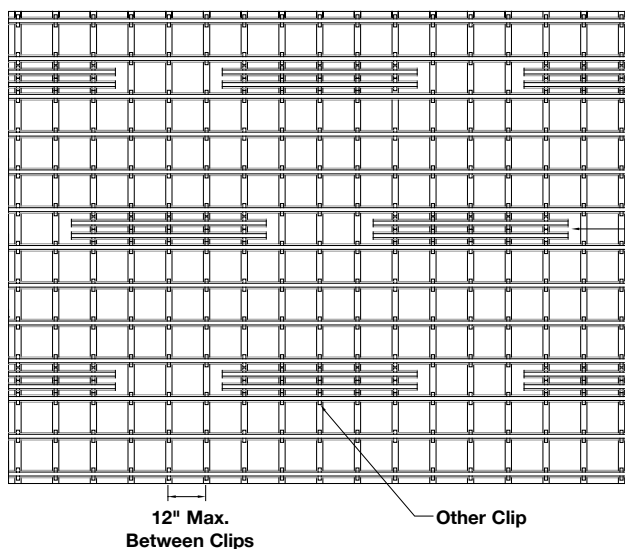
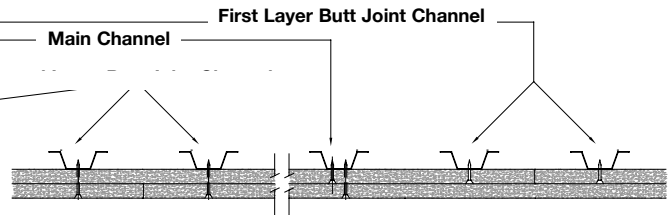
**** Clip and furring channel requirements based on 16.5 ft by 12.5 ft rectangular spaced room.**



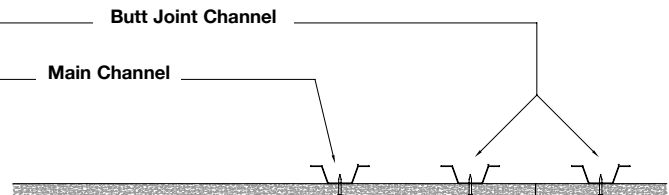
UL L583 w/ fiber glass
35 IsoMax Clips
115.5 ft of furring channel



UL L528 w/ fiber glass
113 Other Clips
267.5 ft of furring channel



UL L576 w/ fiber glass
285 Other Clips
278.5 ft of furring channel



The above construction practices should be reviewed
with your local Code Official before construction.