



It's not magic, it's engineering.®

Impact and Airborne Sound Control

GENIECLIP®

Sound Isolation Clips



GENIECLIP®

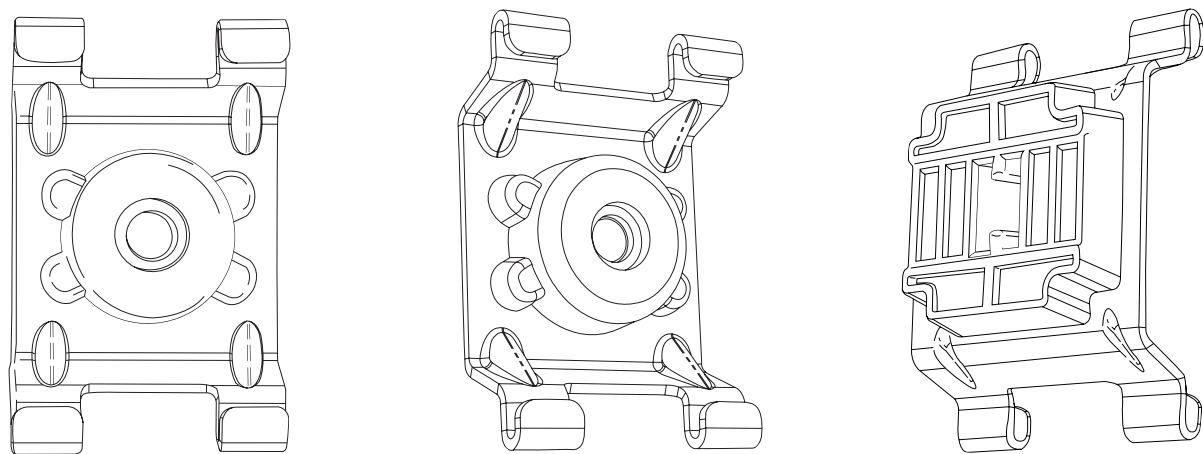
Innovative and reliable sound isolation

PRODUCT OVERVIEW

Engineered for superior acoustical performance in reducing the transmission of airborne and impact sound through wall and floor-ceiling assemblies.

The **GenieClip RST** is a unibody molded rubber and galvanized steel mount used to attach gypsum wallboard (GWB) to either wall or floor-ceiling assemblies. Made from recycled components, and engineered to allow reduction in assembly weight, the **GenieClip** contributes to LEED® certified buildings.

The **GenieClip RST** is easy and fast to install using standard steel furring channel, and is extremely stable when held in place with a single fastener. There is nothing to adjust or site fit. The furring channel is simply snapped into the **GenieClip RST** and the gypsum wallboard can be immediately installed.

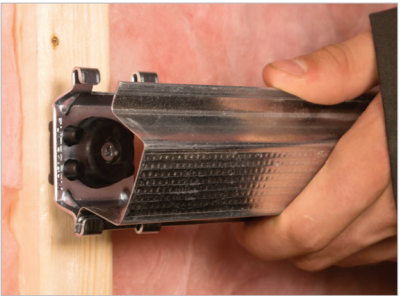


GenieClip RST Patents: US 7895803, US 9121469, CA 2552516, AU 2007276677, CN ZL200780034674.1, SG 149449, EU Patent Pending

ENGINEERED TO WORK



Only one screw required to attach **GenieClip® RST** to wood or metal wall studs or floor joists

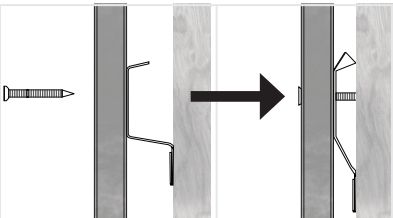


Engage standard 25 gauge drywall furring channel into either claw, then squeeze channel to engage the claw



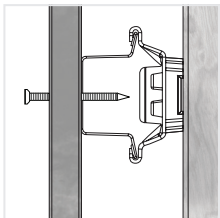
GenieClip RST video:
<https://www.youtube.com/watch?v=C1y7ETzty50>

ENGINEERED TO BE FOOLPROOF



Resilient Channel Crushed

VS.

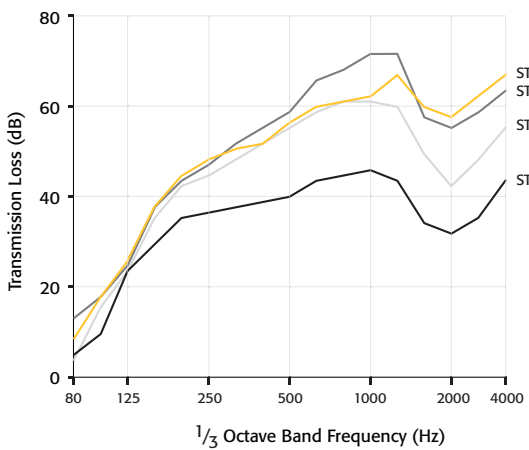


GenieClip RST

Resilient channel is commonly short circuited, whereas the **GenieClip RST** is impossible to short circuit.

ENGINEERED TO REDUCE SOUND TRANSMISSION

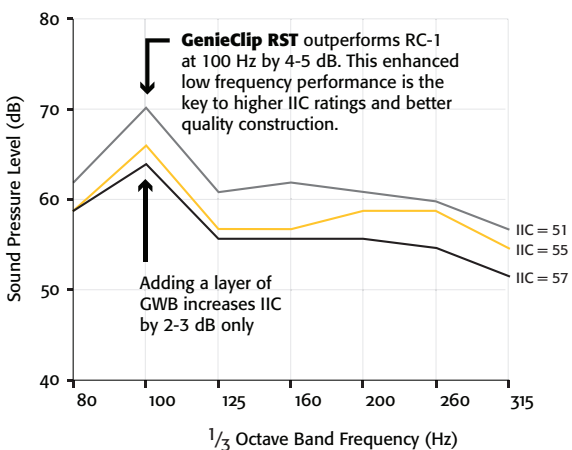
LOW FREQUENCY PERFORMANCE



GenieClip RST RC-1
Double Stud Direct Attach

* 92 mm metal stud wall, 1 layer of GWB on each side

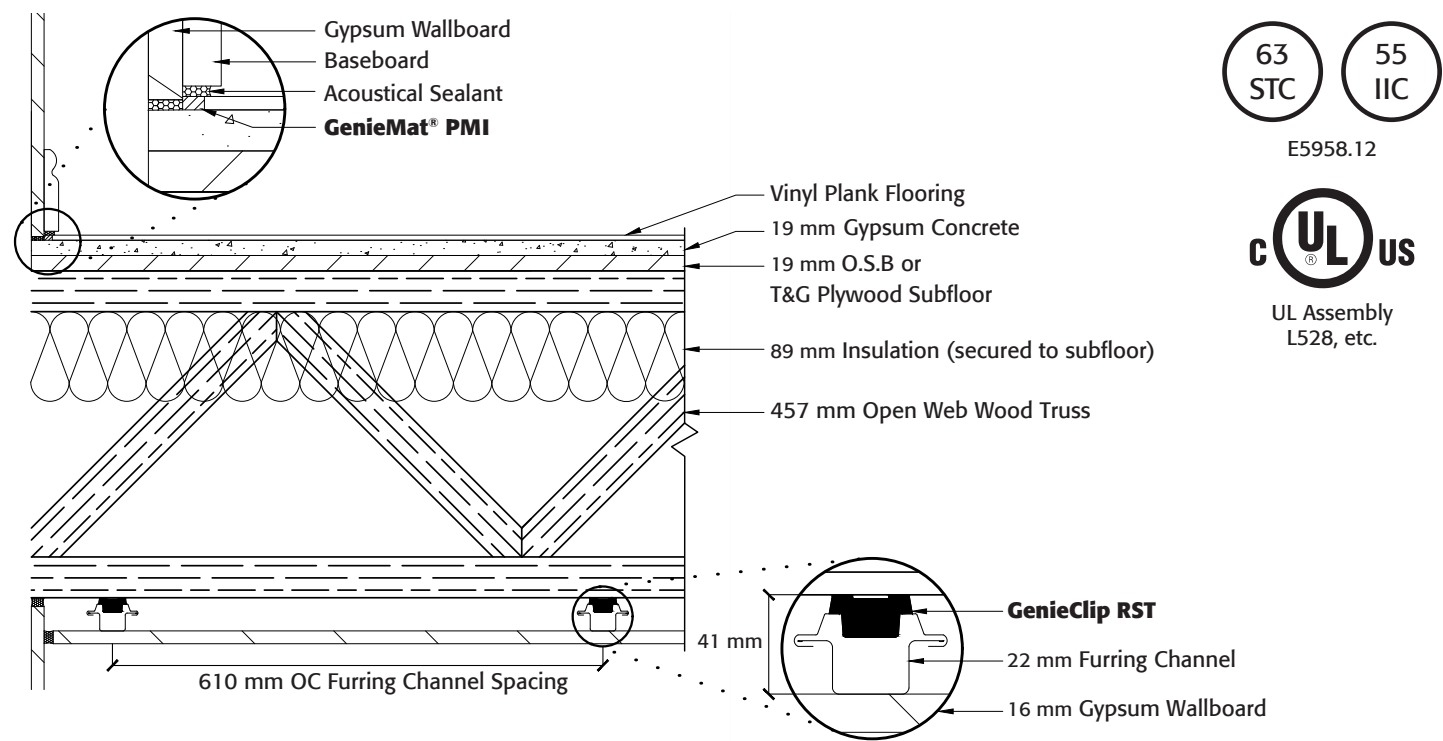
WOOD TRUSS IIC COMPARISON



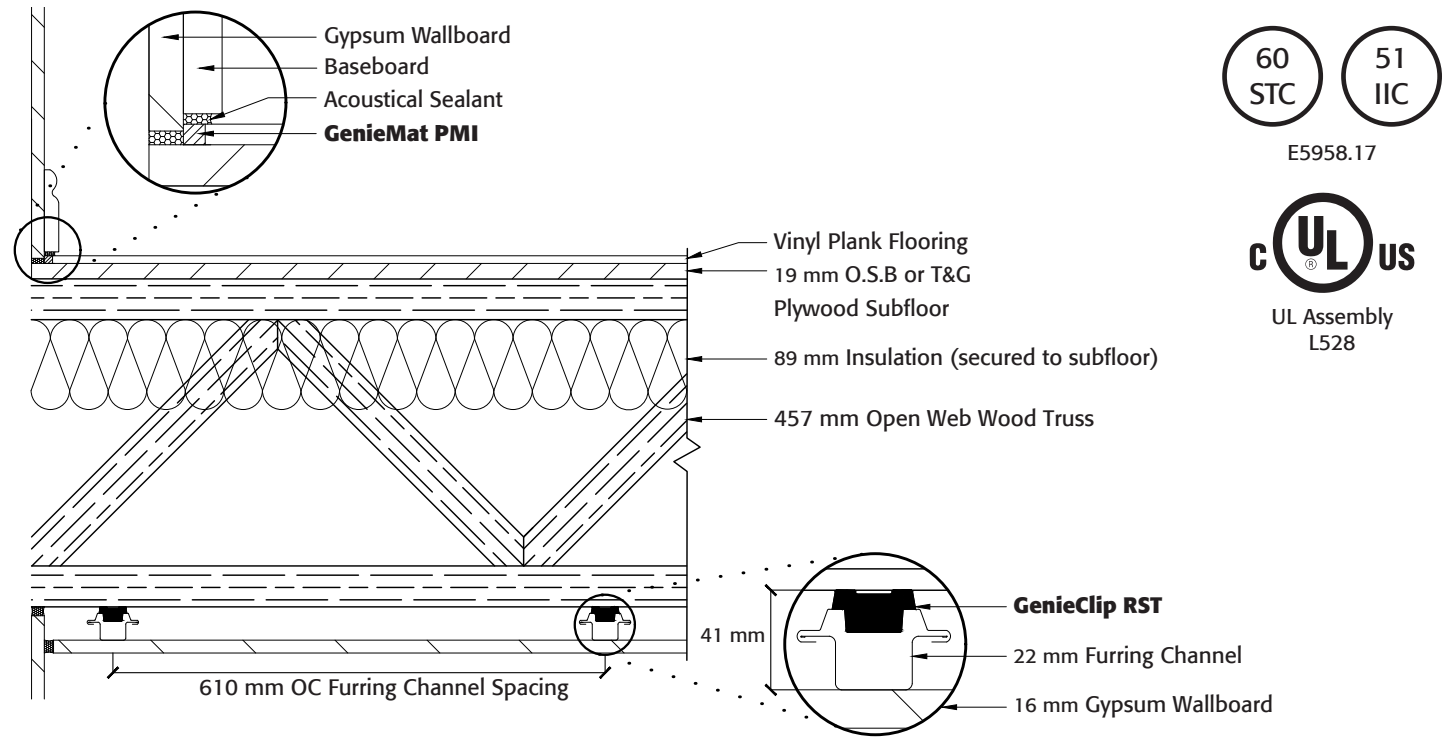
RC-1
GenieClip RST with single layer GWB
GenieClip RST with double layer GWB

FLOOR-CEILING ASSEMBLIES
OPEN-WEB WOOD TRUSSES

Wood Truss with GenieClip® RST and Gypsum Concrete

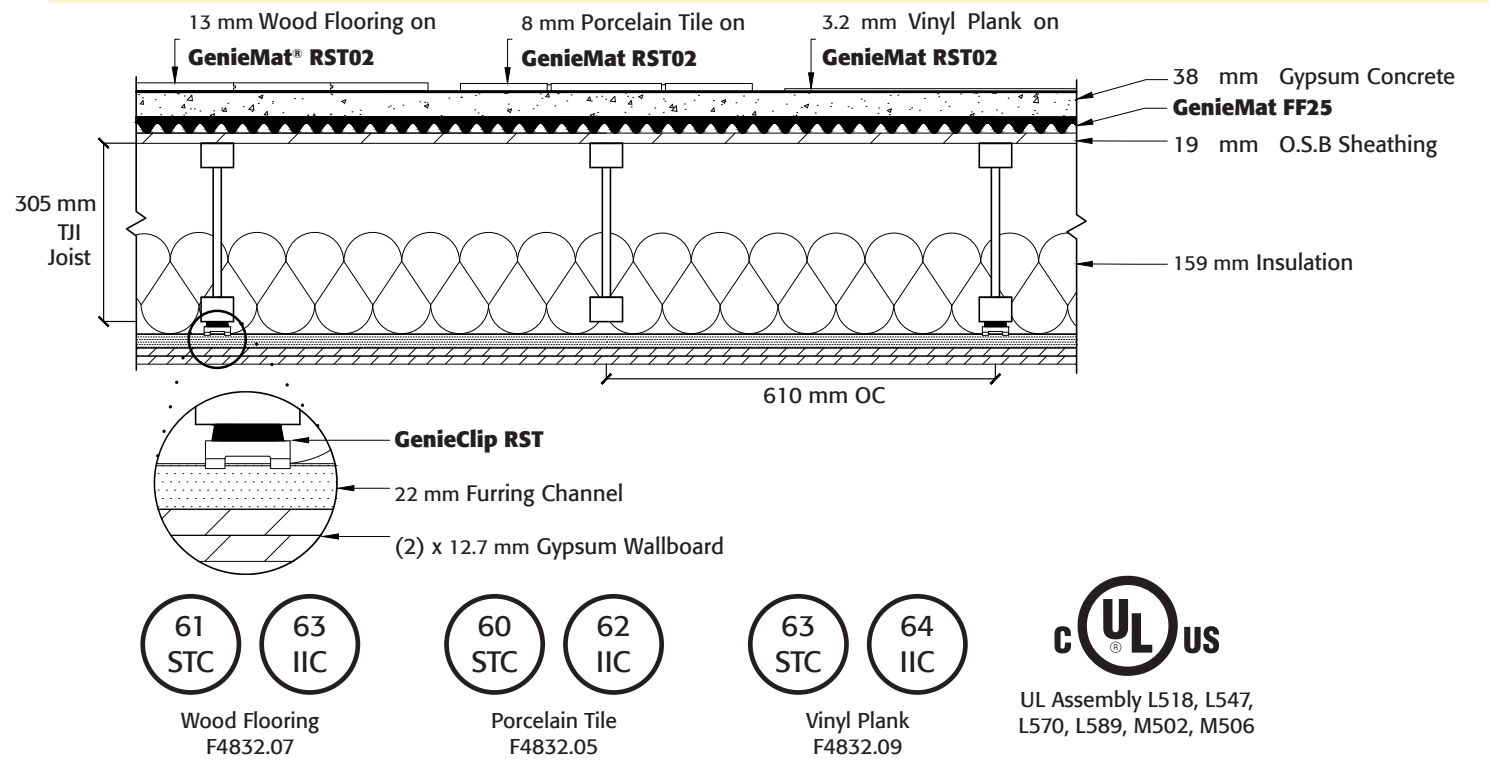


Wood Truss with GenieClip RST and NO Gypsum Concrete

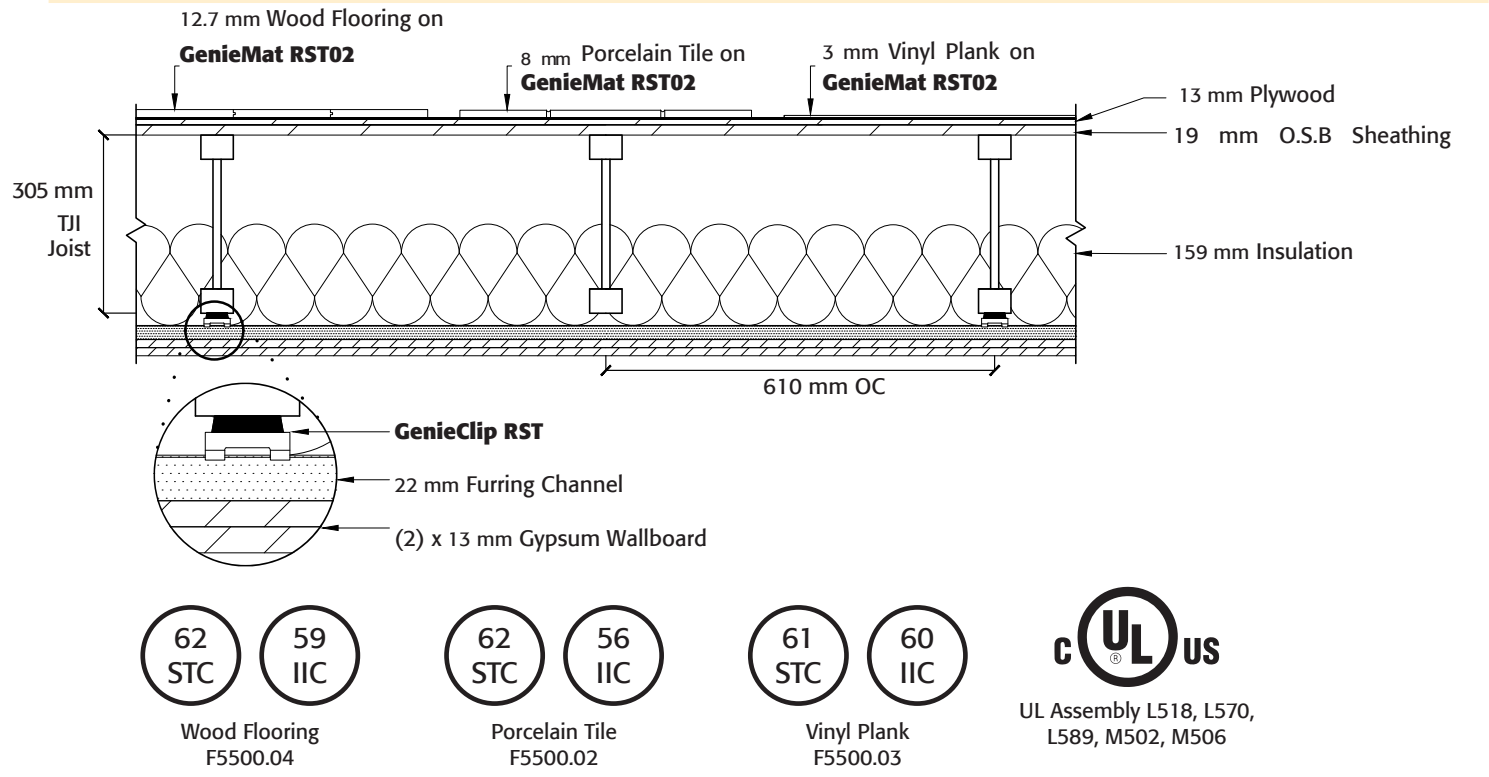


FLOOR-CEILING ASSEMBLIES
ENGINEERED JOISTS

TJI Floor Joist with GenieClip® RST and Gypsum Concrete



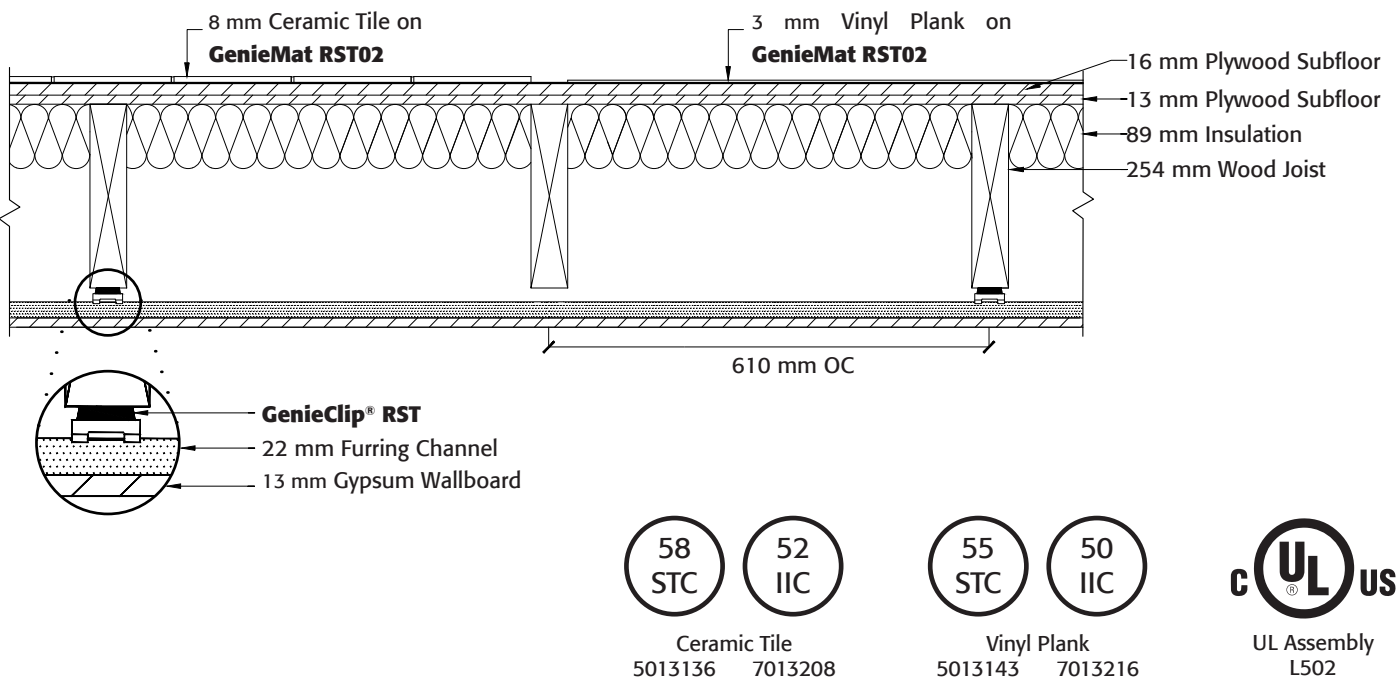
TJI Floor Joist with GenieClip RST and NO Gypsum Concrete



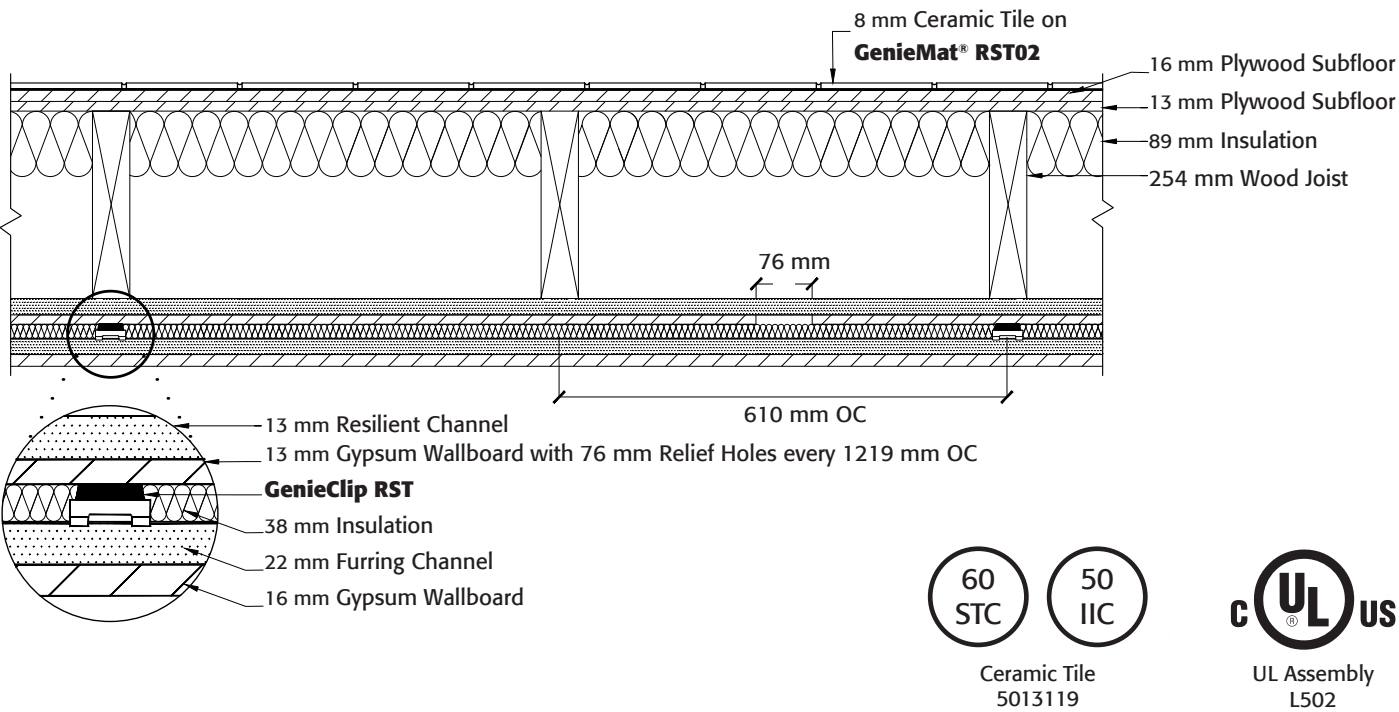
FLOOR-CEILING ASSEMBLIES

SOLID WOOD 2 X 10 JOIST

Solid Joist with NO Gypsum Concrete



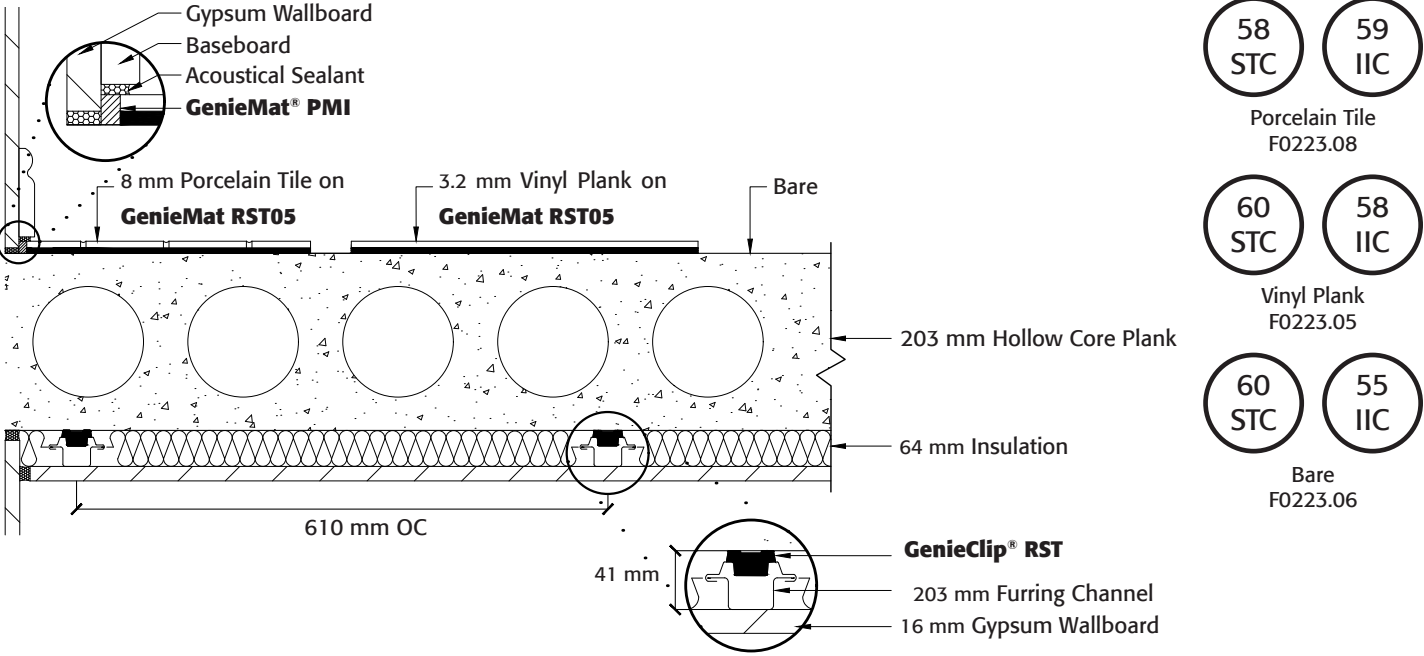
Solid Joist Retrofit Ceiling



FLOOR-CEILING ASSEMBLIES

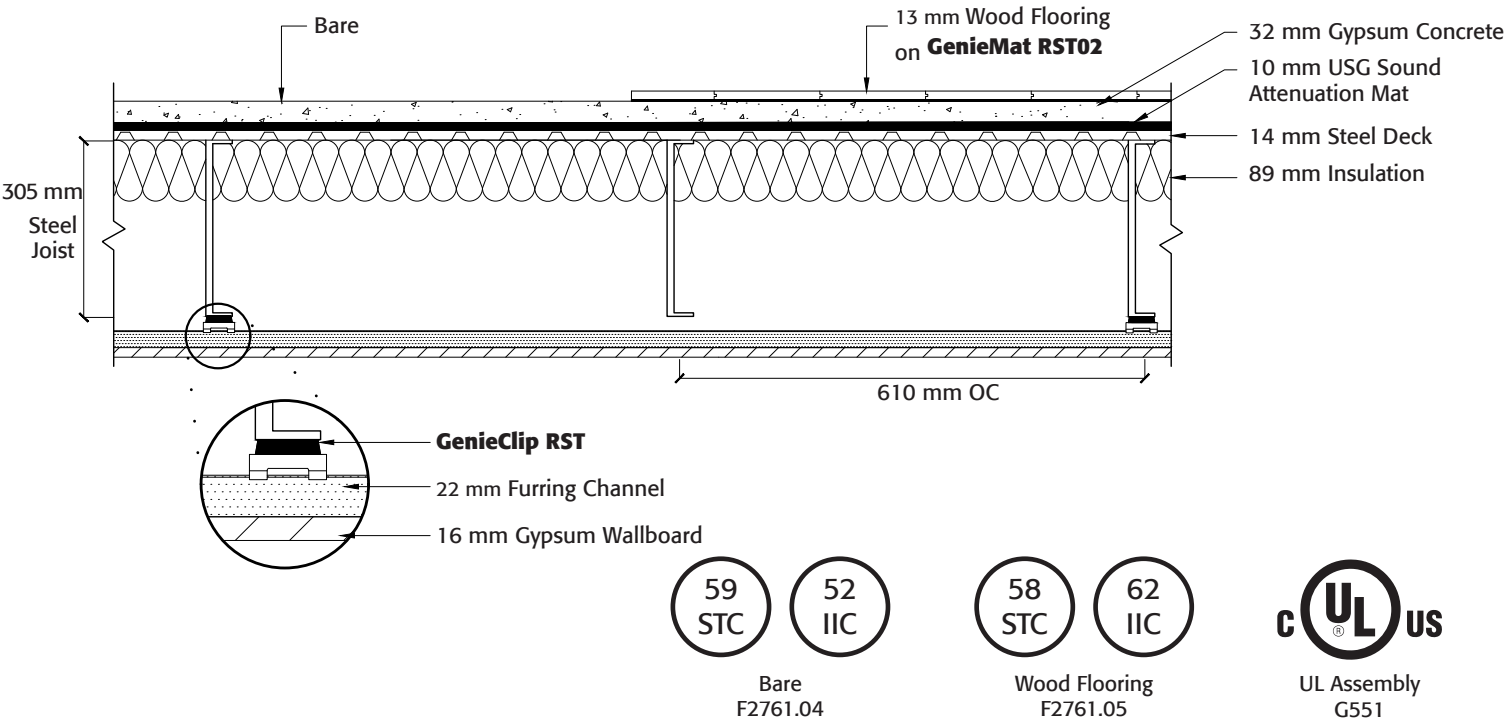
HOLLOW CORE PLANK

203 mm Hollow Core Plank



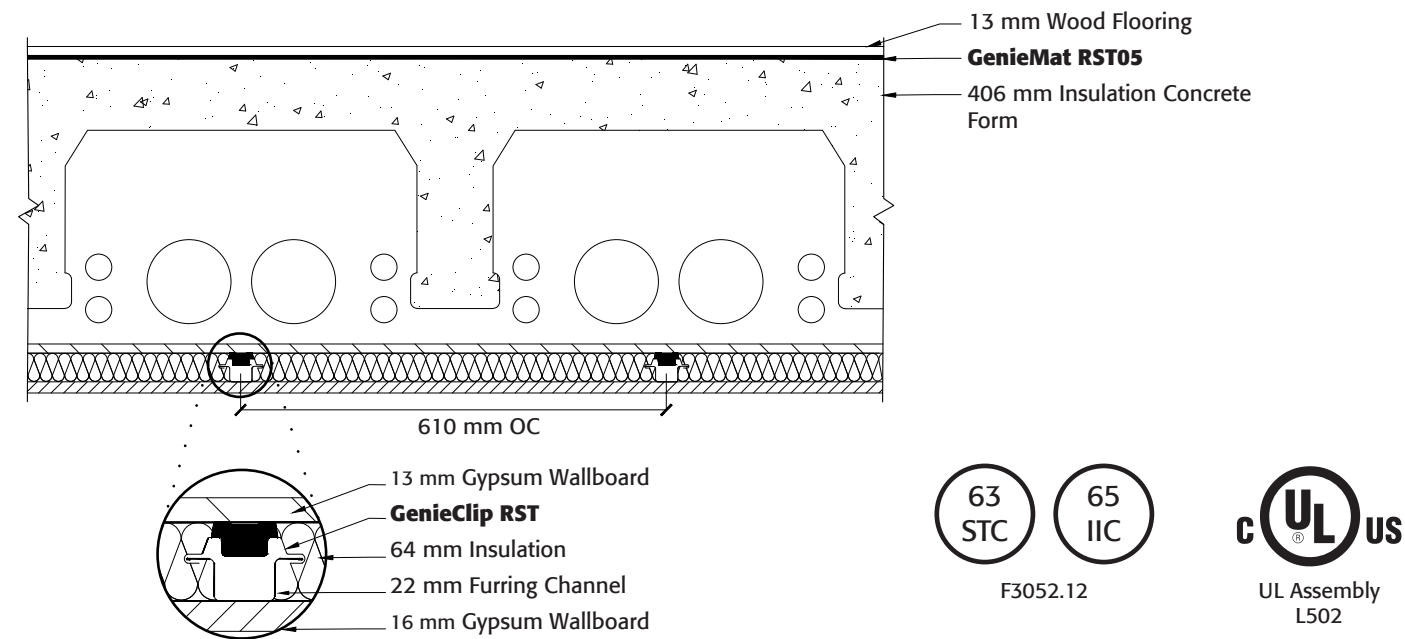
STEEL FLOOR SYSTEMS

Steel Deck and Joist System

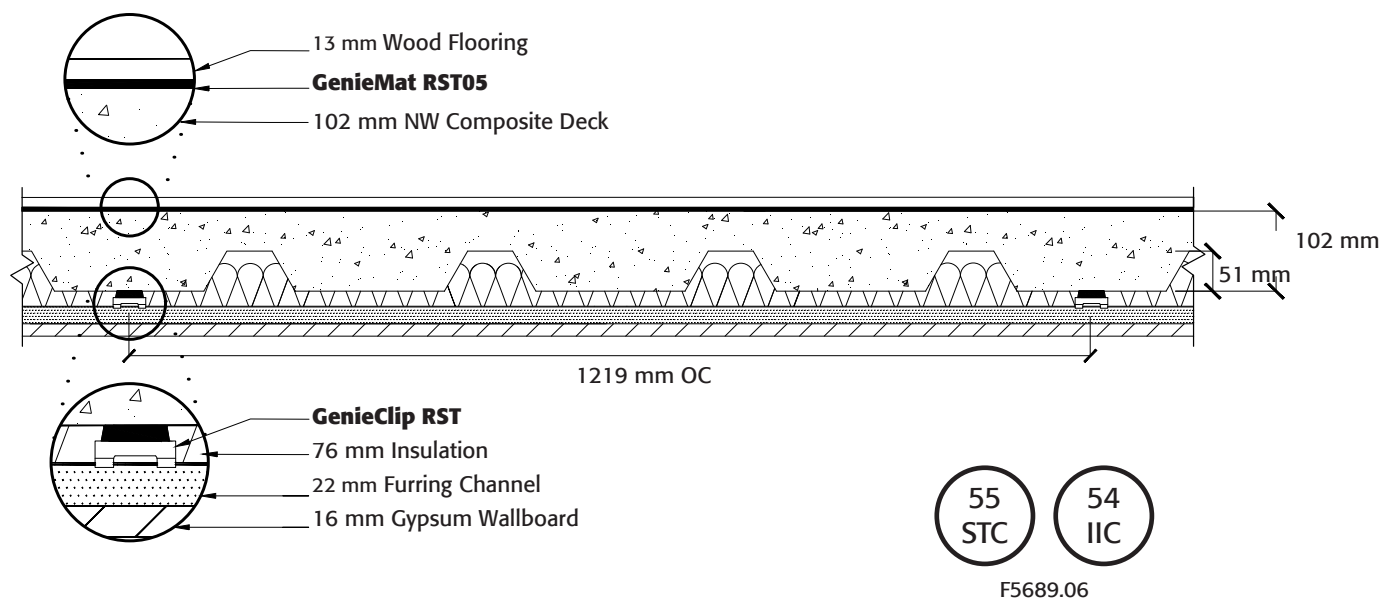


FLOOR-CEILING ASSEMBLIES
COMPOSITE FLOOR SYSTEMS

406 mm Insulated Concrete Form

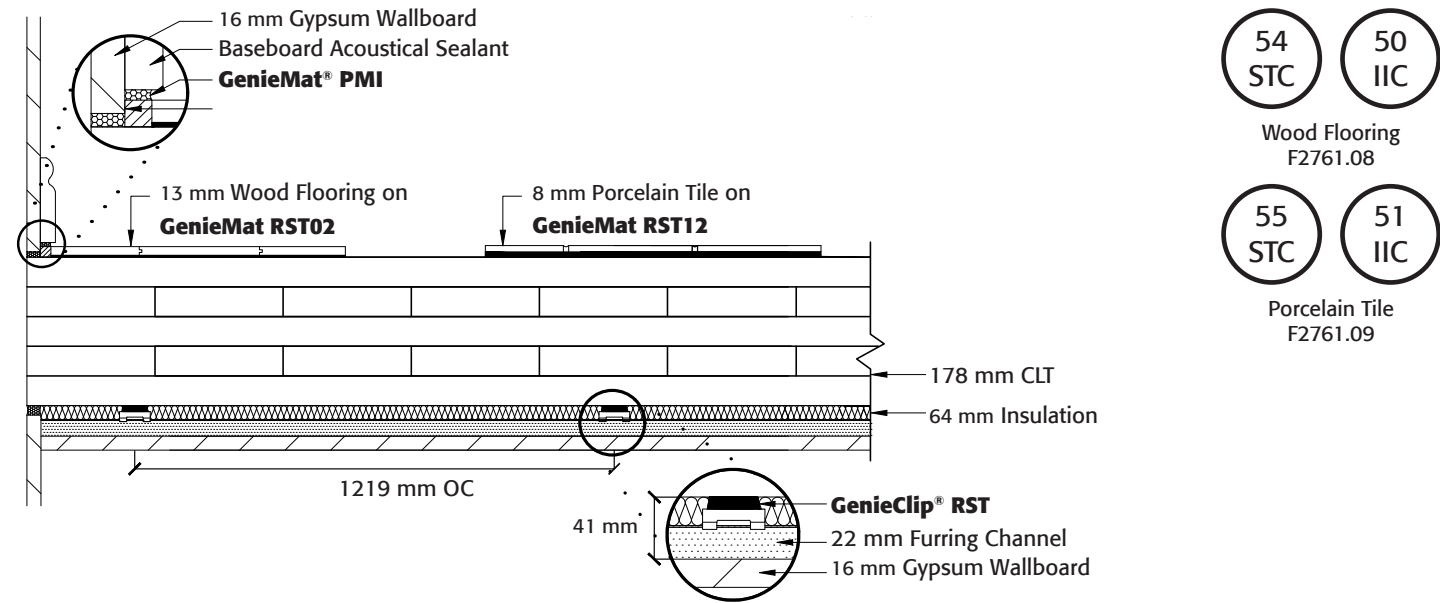


102 mm Normal Weight Composite Deck

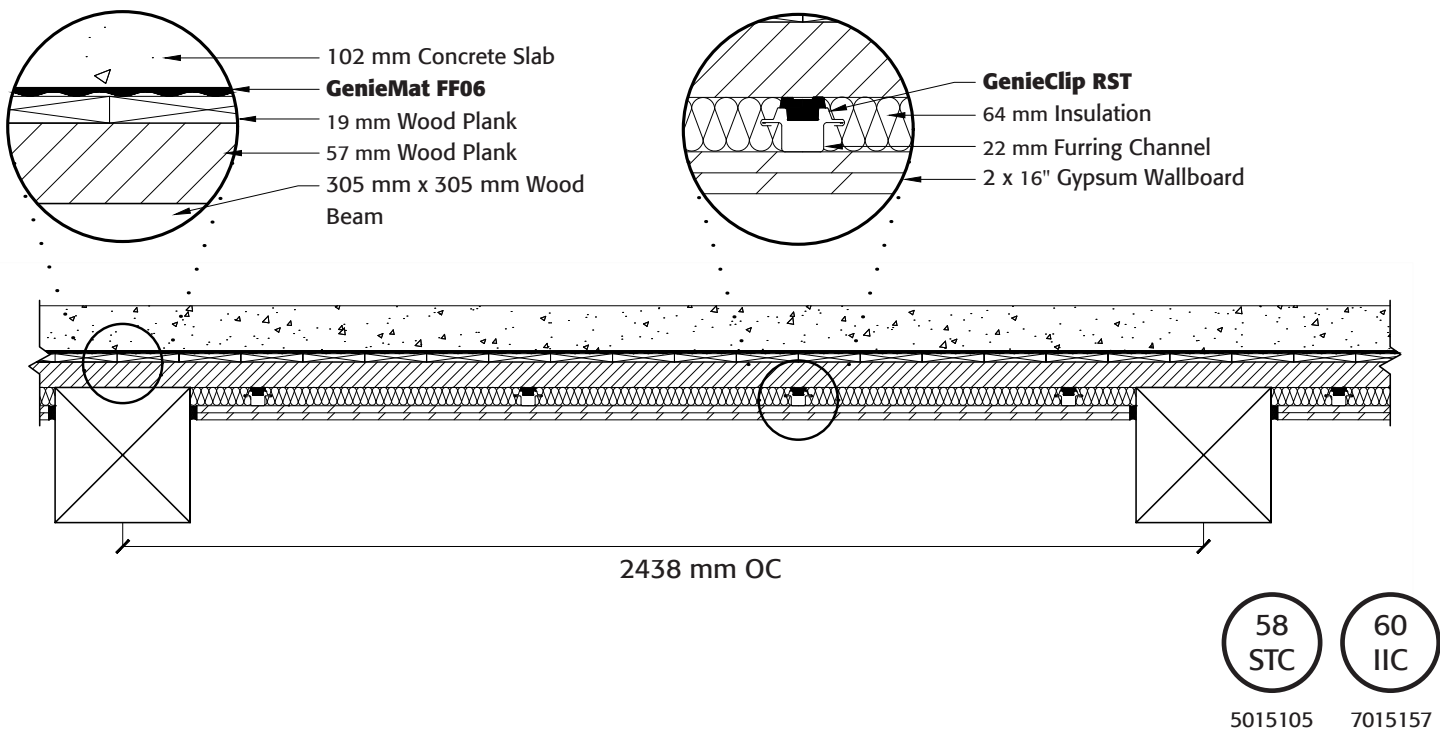


FLOOR-CEILING ASSEMBLIES
TIMBER FLOORS

Cross Laminated Timber



Wood Beam and Plank



GENIECLIP® LB

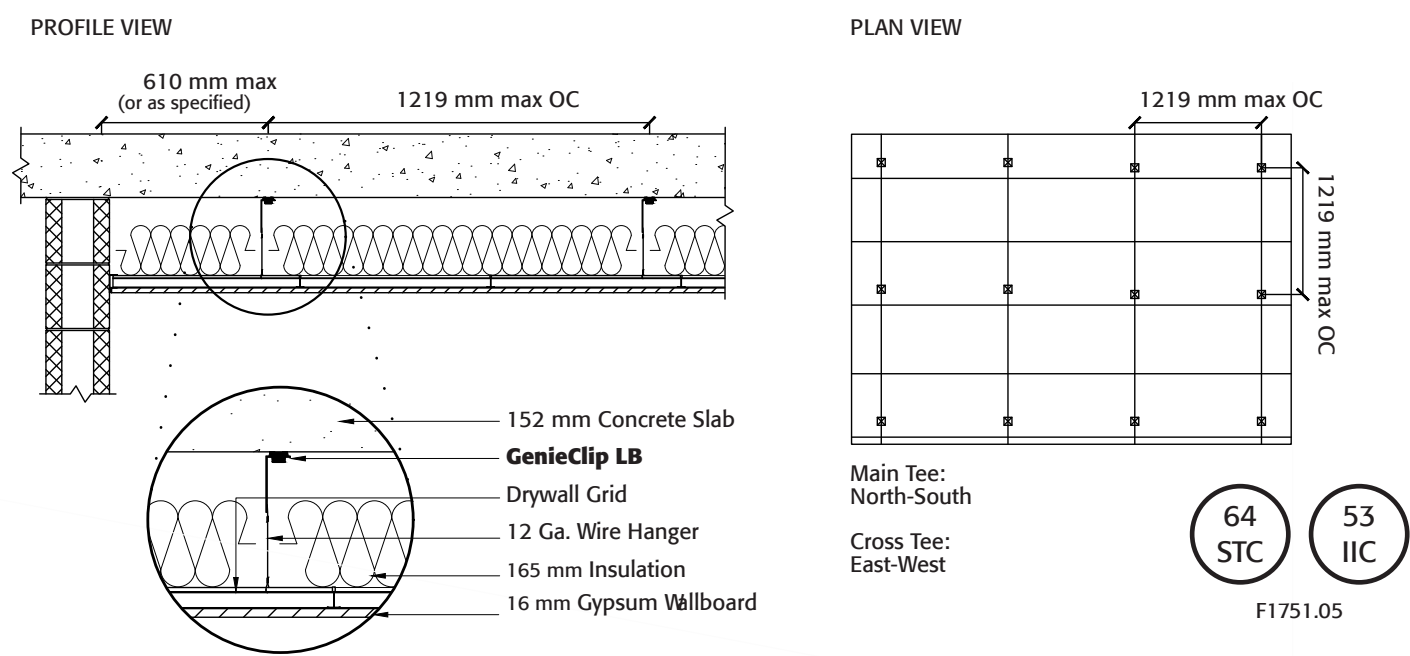


Resilient sound isolation bracket used in a variety of applications where structural support is required, including wall sway bracing, ceiling suspension, and accessory mounting.

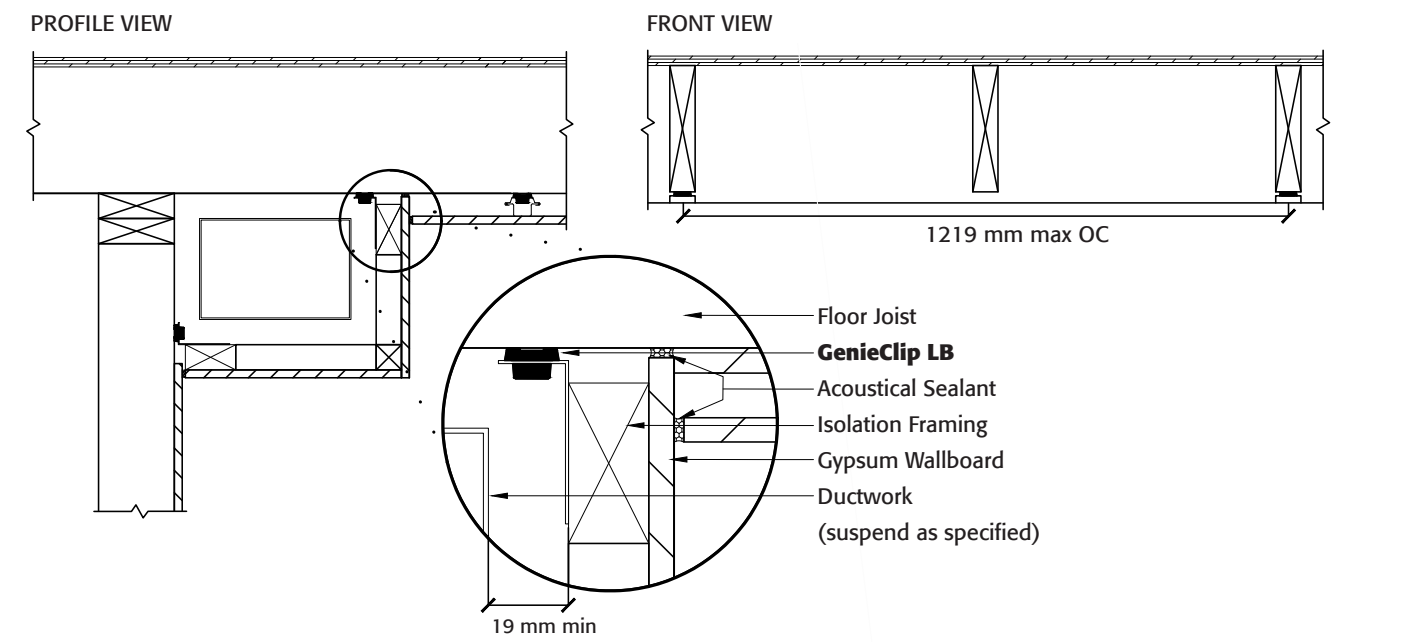
Significantly improves low and high frequency sound control performance. Substantially reduces impact noise in floor-ceiling assemblies. Adaptable to a variety of sound control applications.

Can be installed from the ground using extended gas-powered tools for wire-suspended ceilings.

Isolated Wire Suspended Ceilings



Isolated Framing for Bulkhead Mounting



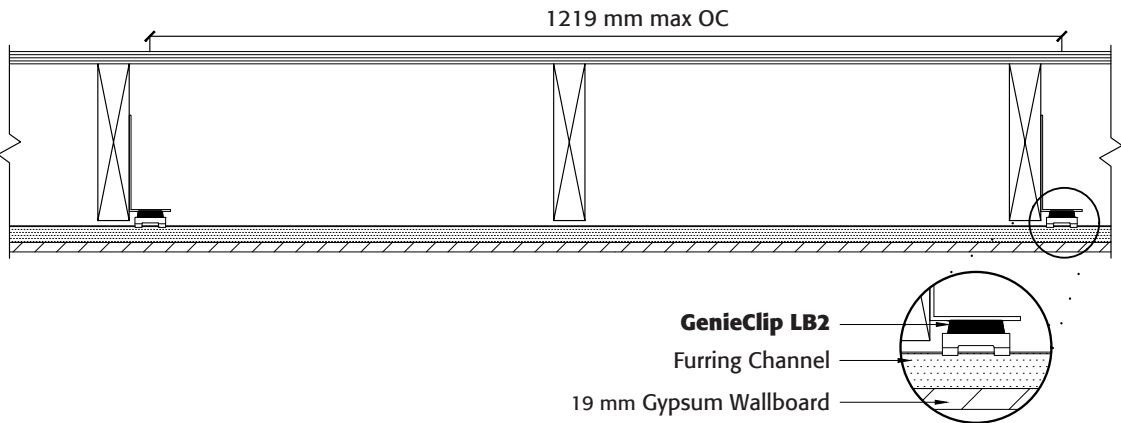
GENIECLIP® LB2



Resilient sound isolation clip with extended steel bracket used as a stand-alone system or in conjunction with a **GenieClip RST** wall or ceiling system. Extends or reduces the profile space between the gypsum wallboard layer and floor joists or wall studs and provides support at the wall termination of furring channels.

Improves low and high frequency sound control performance. Reduces impact noise in floor-ceiling assemblies. Allows for thinner and even no resilient mat used in certain floor-ceiling assemblies.

Levelling a Wood Joist Ceiling



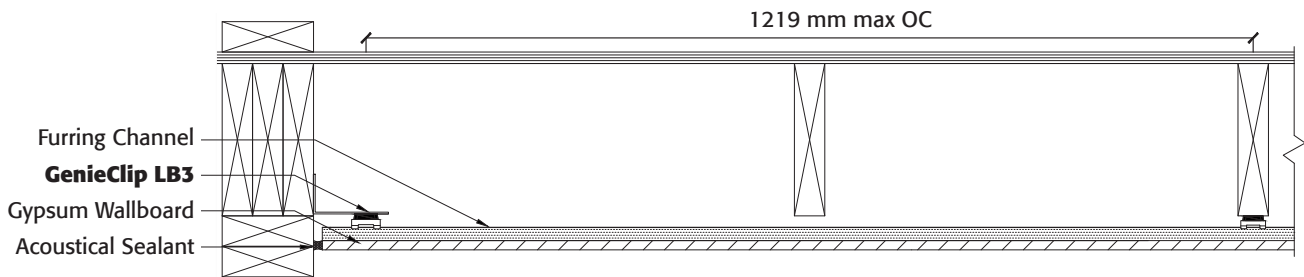
GENIECLIP® LB3



Resilient sound isolation clip with extended steel bracket used as a stand-alone system or in conjunction with a **GenieClip RST** wall or ceiling system. Extends or reduces the profile space between the gypsum wallboard layer and floor joists or wall studs and provides support at the wall termination of furring channels.

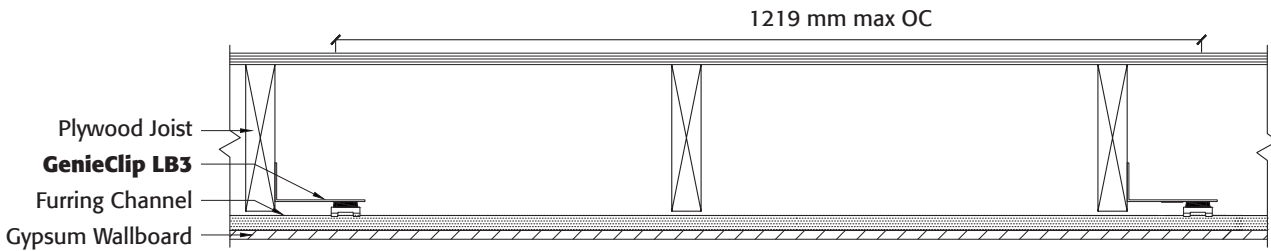
Improves low and high frequency sound control performance. Reduces impact noise in floor-ceiling assemblies. Allows for thinner and even no resilient mat used in certain floor-ceiling assemblies.

Eliminate Perimeter Blocking

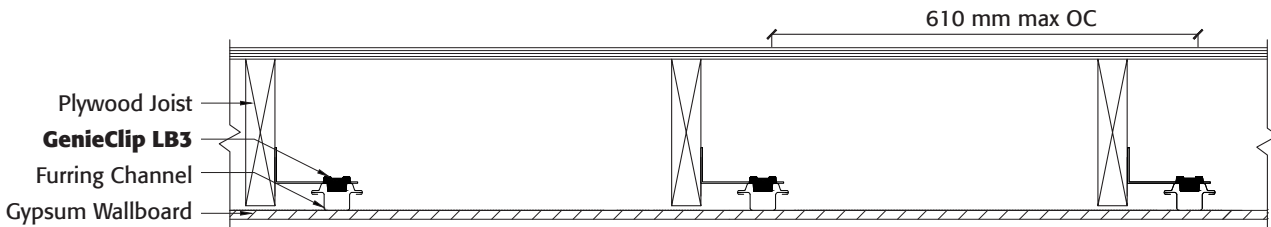


Using the **GenieClip LB3** at the perimeter of an isolated ceiling can eliminate the need for additional wood blocking.

Maximize Ceiling Height



To maximize ceiling height, use the **GenieClip LB3** side-mounted on wood frame construction.



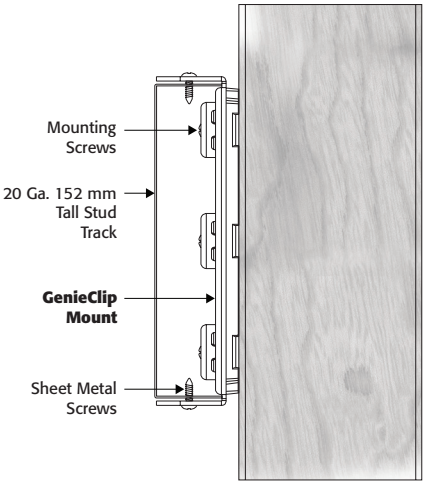
By installing the furring channel parallel to the joist, the **GenieClip LB3** can maximize ceiling height while maintaining isolation.

GENIECLIP® MOUNT

RESILIENT SOUND ISOLATION CLIP FOR HEAVY MOUNTING

The **GenieClip Mount** is a resilient unibody molded rubber and steel bracket used for sound isolation in a variety of applications where superior structural support is required for installation, such as TVs, kitchen cabinets, headboards, garage door openers, various medical equipment, and handrails.

The **GenieClip Mount** supports, in shear and tension, a piece of 152 mm metal stud track at the same depth as the resiliently isolated drywall furring channel.

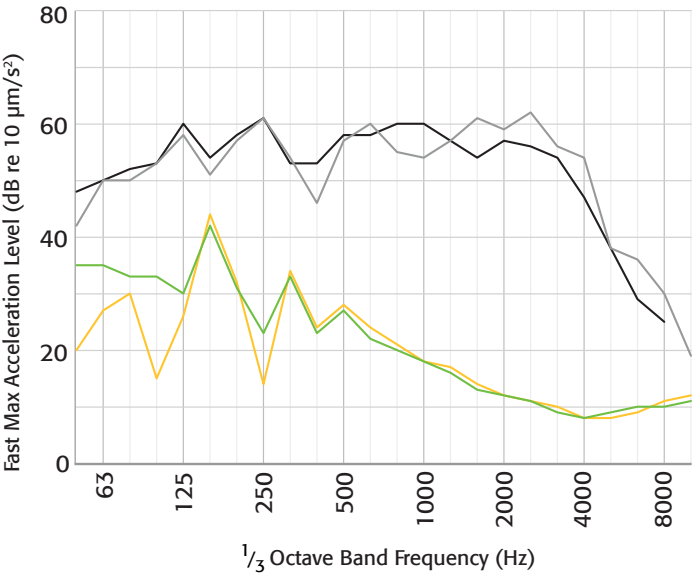


ADVANTAGES

Significantly improves low and high frequency sound control performance. Substantially reduces impact noise from fixtures mounted on walls and ceilings. Easily fastens to standard 6” metal stud track.



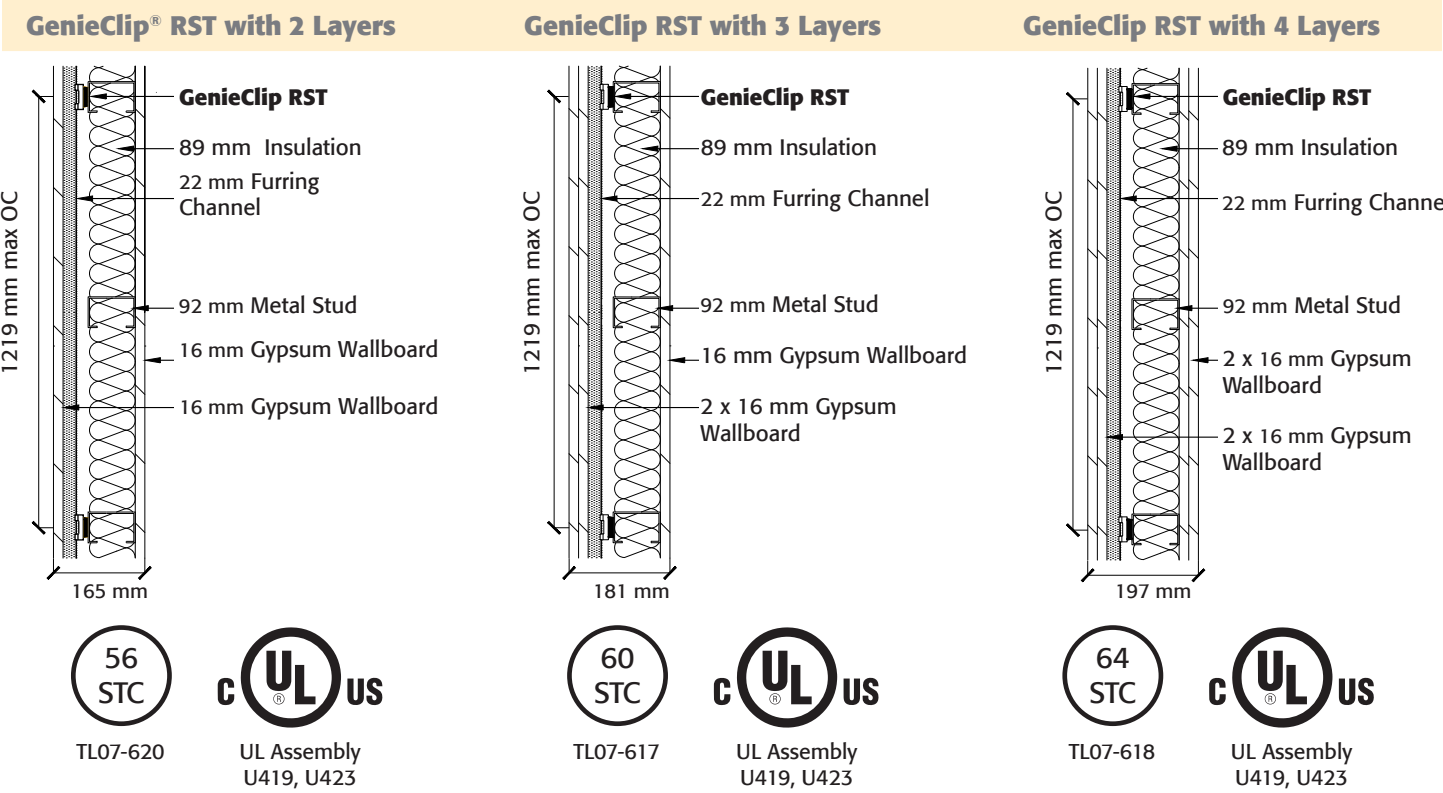
Front view of installed **GenieClip Mount** and metal stud track.



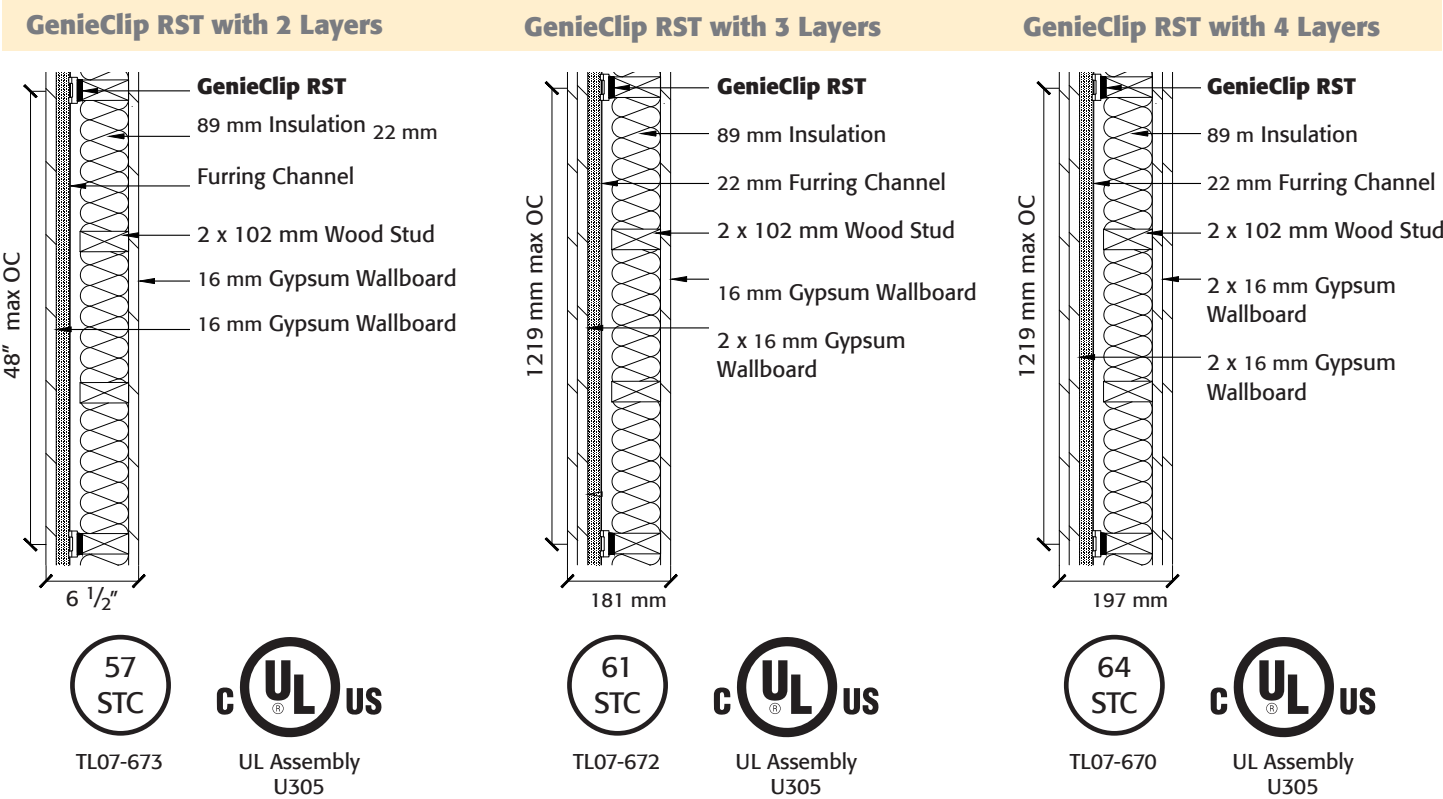
- Accelerometer 1 directly attached to drywall at stud (62 dBA)
- Accelerometer 2 directly attached to drywall between studs (64 dBA)
- GenieClip Mount** assembly. Accelerometer 1 directly attached to drywall at stud (29 dBA)
- GenieClip Mount** assembly. Accelerometer 2 directly attached to drywall between studs (27 dBA)

Vibration level on receiver room side of wall due to kitchen cabinet door slams with and without **GenieClip Mounts**.

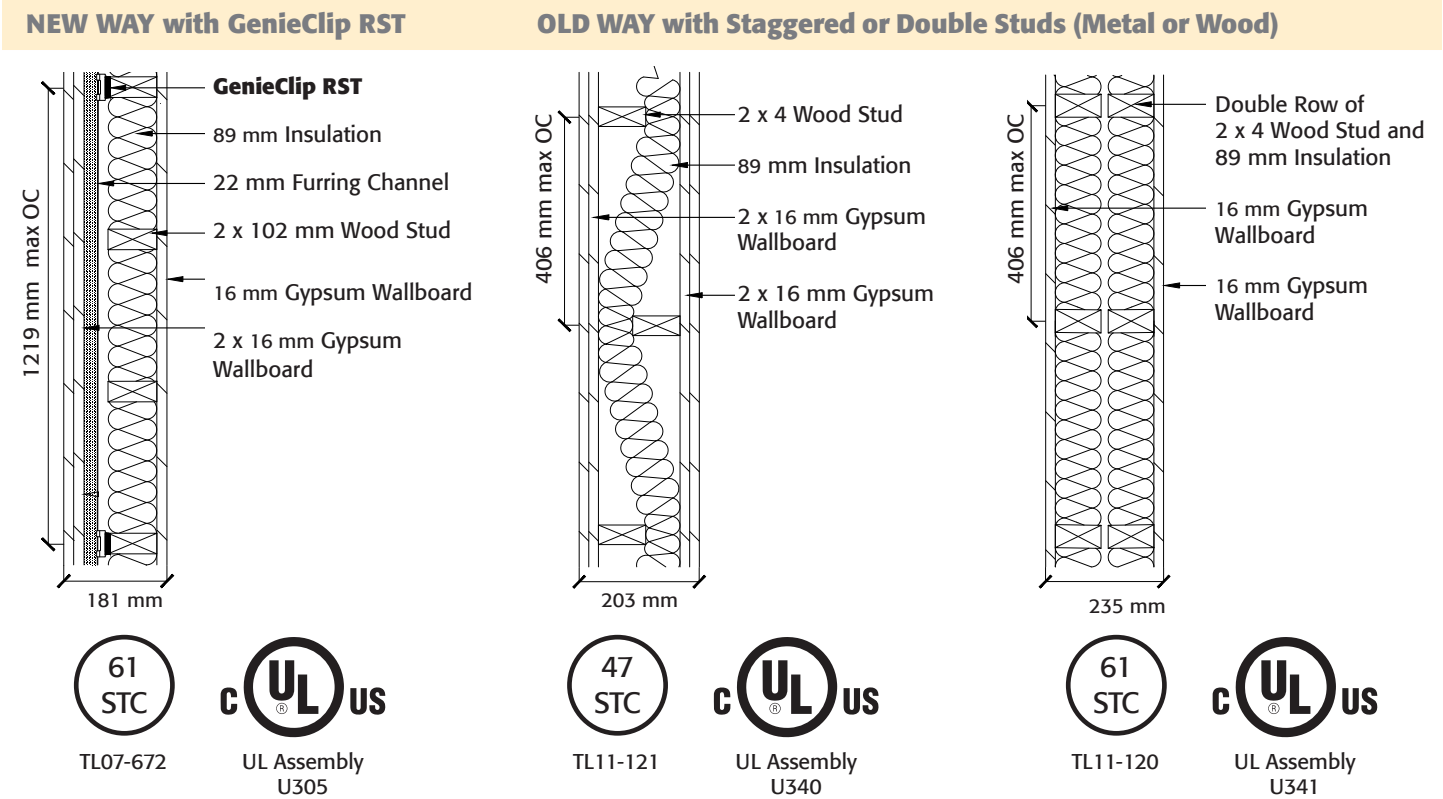
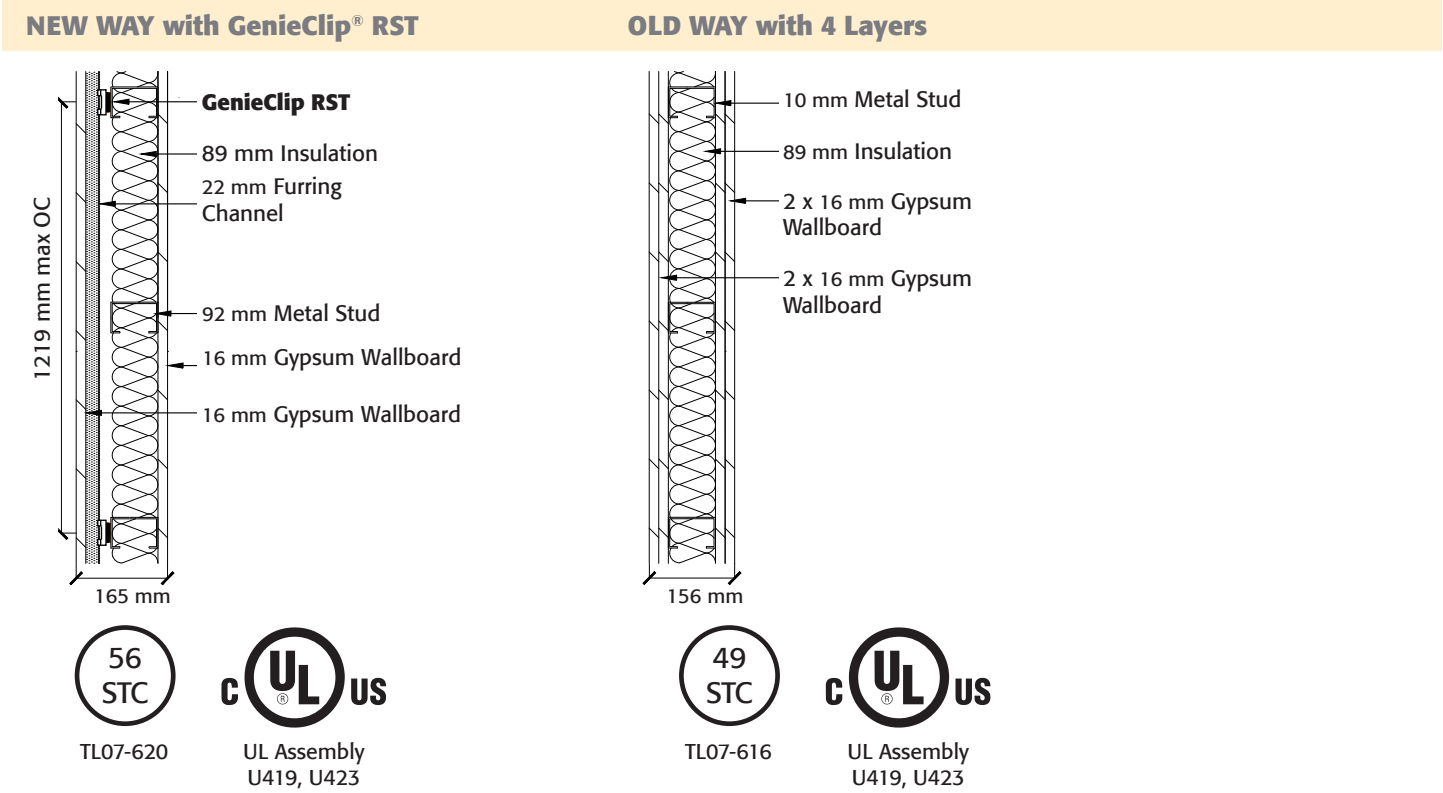
WALL ASSEMBLIES
METAL STUD



WOOD STUD



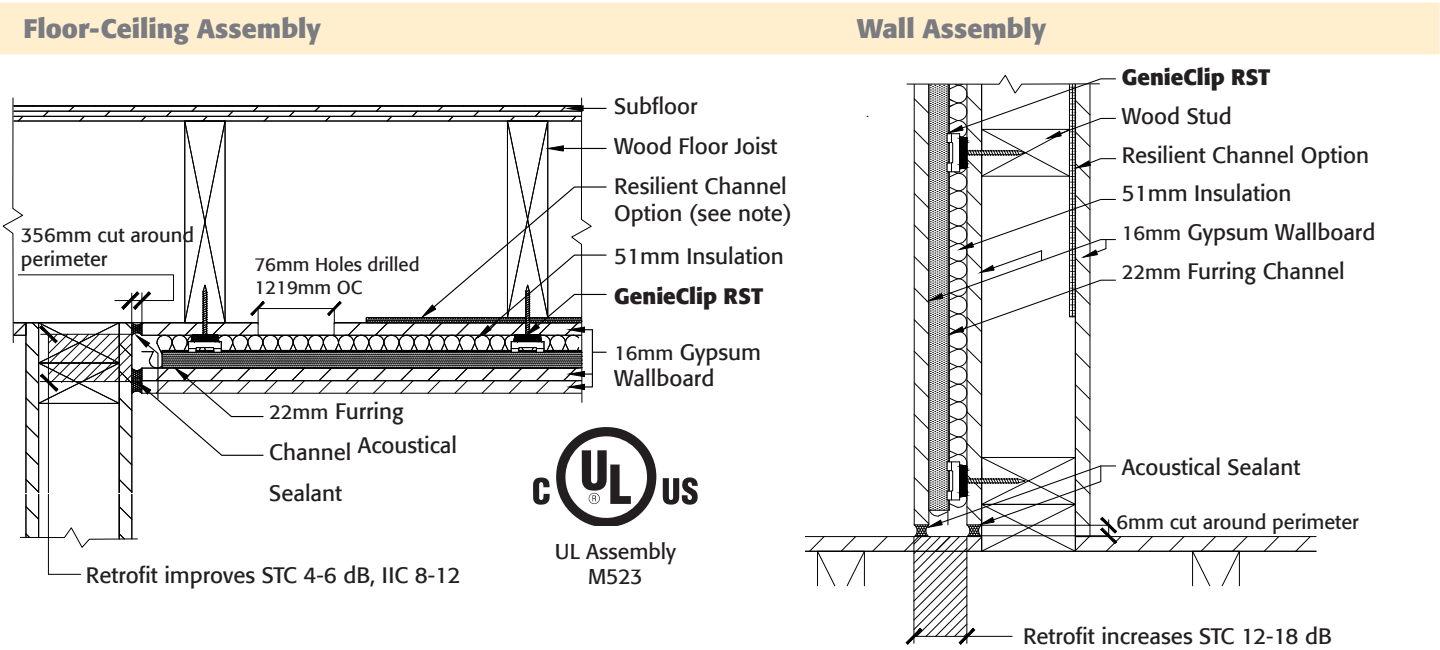
WALL ASSEMBLIES
ENGINEERED PARTITIONS



RETROFIT ASSEMBLIES

GENIECLIP® BENEFITS

- Increase IIC by 8-12 points in floor ceiling retrofit assemblies
- Increase STC by 12-18 points in wall retrofit assemblies
- Retrofit directly to existing ceiling or wall
- Greater STC than other popular retrofit solutions



Note: Resilient channel failure is a common observation by Acoustical Engineers. Short circuited resilient channel results in up to a 10 STC point reduction.

LoVerde, J., & Dong, W. (2009). Quantitative comparisons of resilient channel designs and installation methods.

THE GENIECLIP IS PROVEN TO:

- Meet building codes for fire and sound
- Prevent costly litigation and reconstruction

Importance of Engineered Elastomer			
Isolation Clip	Durometer	Dynamic Stiffness	STC*
GenieClip RST	37	11.3 N/mm	57
Isomax™	56	21.6 N/mm	57**
RSIC-1®	57	21.2 N/mm	56
RSIC-V®	No Rubber	No Rubber	52

*2x4 wood stud 16” OC, 1 layer of 16mm Type X GWB on each side with 89mm

insulation ** Test conducted with140mm insulation

TEST RESULTS

Floor-Ceiling Assemblies							
Test Report Number	Ceiling Type	Structure	Finish Floor	Underlayment	Subfloor	STC Rating (ASTM E90)	IIC Rating (ASTM E492)
G0535.08	13 mm RC Deluxe®, 16mm GWB Type C	Open Web Truss	Vinyl Plank	GenieMat® RST02PS	19mm Gypsum, 19mm OSB	60	50
G0535.09	GenieClip® RST , 16mm GWB Type C	Open Web Truss	Vinyl Plank	GenieMat RST02PS	19mm Gypsum, 19mm OSB	63	59
G1707.07	GenieClip RST , 16mm GWB Type C	Open Web Truss	Porcelain Tile	GenieMat RST02PS	19mm Gypsum, 19mm OSB	62	54
G1707.08	GenieClip RST , 16mm GWB Type C	Open Web Truss	Wood	GenieMat FF06	19mm Gypsum, 19mm OSB	62	60
E5958.16	GenieClip RST , 16mm GWB Type C	Open Web Truss	Vinyl Plank	GenieMat RST05	19mm OSB	60	55
E5958.17	GenieClip RST , 16 mm GWB Type C	Open Web Truss	Vinyl Plank	None	19mm OSB	60	51
F4832.12	GenieClip RST , 2x 13 mm GWB Type C	Engineered Joist	None	None	38mm Gypsum, GenieMat FF25 , 19mm OSB	61	59
F4832.14	GenieClip RST , 2x 13 mm GWB Type C	Engineered Joist	Wood	GenieMat RST02	13 mm Plywood, 19mm OSB	58	61
F4832.18	GenieClip RST , 2x 13mm GWB Type C	Engineered Joist	Porcelain Tile	GenieMat RST02	13 mm Plywood, 19mm OSB	59	55
F5500.03	GenieClip RST , 2x 13mm GWB Type C	Engineered Joist	Vinyl Plank	GenieMat RST02	13 mm Plywood, 19mm OSB	61	60
F5500.05	GenieClip RST , 2x 13 mm GWB Type C	Engineered Joist	Carpet	None	13 mm Plywood, 19mm OSB	61	82
5013136 7013208	GenieClip RST , 13 mm GWB Type C	2x10 Solid Wood Joist	Ceramic Tile	GenieMat RST02	16mm Plywood, 13 mm Plywood	58	52
5013143 7013216	GenieClip RST , 13 mm GWB Type C	2x10 Solid Wood Joist	Vinyl Plank	GenieMat RST02	16mm Plywood, 13 mm Plywood	55	50
5013119 7013183	GenieClip RST Retrofit	2x10 Solid Wood Joist	Ceramic Tile	GenieMat RST02	16mm Plywood, 13 Plywood	60	50
5014139 7014190	GenieClip RST , 13 mm GWB Type C	2x10 Solid Wood Joist	None	GenieMat RST02	19mm Gypsum, GenieMat FF06 , 16mm Plywood	59	52

* RC Deluxe is a brand of resilient bar

TEST RESULTS

FLOOR-CEILING ASSEMBLIES							
TEST REPORT NUMBER	CEILING TYPE	STRUCTURE	FINISH FLOOR	UNDERLAYMENT	SUBFLOOR	STC RATING (ASTM E90)	IIC RATING (ASTM E492)
E5958.05	152mm Drop Ceiling, GenieClip® LB , 16mm GWB Type X	178mm CLT	None	None	2x 17mm AdvanTech Wood Sub loor, GenieMat® FF25	61	55
E5958.07	305mm Drop Ceiling, GenieClip LB , 16mm GWB Type X	178mm CLT	Vinyl Plank	GenieMat RST05	None	58	58
F2761.08	GenieClip RST , 16mm GWB Type C	178mm CLT	Wood	GenieMat RST02	None	54	50
F2761.09	GenieClip RST , 16mm GWB Type C	178mm CLT	Porcelain Tile	GenieMat RST12	None	55	51
F3052.11	13mm Gypsum, GenieClip RST , 16mm GWB Type X	406mm Insulated Concrete Form	None	None	None	64	55
F3052.12	13mm Gypsum, GenieClip RST , 16mm GWB Type X	406mm Insulated Concrete Form	Wood	GenieMat RST05	32mm Gypsum, 14mm Steel Deck	63	65
F2761.04	GenieClip RST , 16mm GWB Type C	254mm Steel Joist	None	10mm Sound Mat	19mm Concrete Panel	59	52
F5689.18	GenieClip RST , 2x 16mm GWB Type C	254mm Steel Joist	Porcelain Tile	GenieMat RST12	None	62	50
F5689.20	GenieClip RST , 2x 16mm GWB Type C	254mm Steel Joist	Vinyl Plank	GenieMat RST02	None	60	52
F5689.05	GenieClip RST , 16mm GWB Type C	102mm Composite Deck	Vinyl Plank	GenieMat RST02	None	54	55
F5689.06	GenieClip RST , 16mm GWB Type C	102mm Composite Deck	Wood	GenieMat RST05	None	55	54
F0223.05	GenieClip RST , 16mm GWB Type C	203mm Hollow Core Plank	Vinyl Plank	GenieMat RST05	None	60	58
F0223.06	GenieClip RST , 16mm GWB Type C	203mm Hollow Core Plank	None	None	None	60	55
F0223.08	GenieClip RST , 16mm GWB Type C	203mm Hollow Core Plank	Porcelain Tile	GenieMat RST05	None	58	59
F1751.01	12" Drop Ceiling, 16mm GWB Type C	152mm Concrete Slab	None	None	None	63	42
F1751.02	305mm Drop Ceiling, GenieClip C3 , 16mm GWB Type C	152mm Concrete Slab	None	None	None	63	52
F1751.05	305mm Drop Ceiling, GenieClip LB , 16mm GWB Type C	152mm Concrete Slab	None	None	None	64	53
F1751.03	305mm Drop Ceiling, GenieClip C3 , 16mm GWB Type C	152mm Concrete Slab	Wood	GenieMat RST05	None	62	68
F1751.04	305mm Drop Ceiling, GenieClip LB , 16mm GWB Type C	152mm Concrete Slab	Wood	GenieMat RST05	None	63	69
F9365.07	152mm Drop Ceiling, GenieClip LB , 16mm GWB Type C	152 mm Concrete Slab	Vinyl Plank	GenieMat RST02PS	None	62	60

TEST RESULTS

STEEL STUD WALL ASSEMBLIES						
TEST REPORT NUMBER	PRODUCT	STEEL STUD WALL STRUCTURE	GWB LAYERS (16mm TYPE X)	TL @80 Hz (dB)	TL @100 Hz (dB)	STC (ASTM E413)
TL07-614	None	20 Ga., 92mm wide spaced 610mm O.C.	1x1	14	18	41
TL07-620	GenieClip® RST	20 Ga., 92mm wide spaced 610mm O.C.	1x1	17	25	56
TL07-625	RC Deluxe®	20 Ga., 92mm wide spaced 610mm O.C.	1x1	13	23	50
TL07-629	RSIC-1®	20 Ga., 92mm wide spaced 610mm O.C.	1x1	15	24	54
TL07-633	RSIC-V®	20 Ga., 92mm wide spaced 610mm O.C.	1x1	12	23	51
TL07-615	None	20 Ga., 92mm wide spaced 610mm O.C.	2x1	16	23	45
TL07-626	RC Deluxe®	20 Ga., 92mm wide spaced 610mm O.C.	2x1	19	30	55
TL07-617	GenieClip RST	20 Ga., 92mm wide spaced 610mm O.C.	2x1	24	31	60
TL07-630	RSIC-1®	20 Ga., 92mm wide spaced 610mm O.C.	2x1	22	32	60
TL07-634	RSIC-V®	20 Ga., 92mm wide spaced 610mm O.C.	2x1	17	29	56
TL07-616	None	20 Ga., 92mm wide spaced 610mm O.C.	2x2	18	24	49
TL07-627	RC Deluxe®	20 Ga., 92mm wide spaced 610mm O.C.	2x2	28	36	60
TL07-618	GenieClip RST	20 Ga., 92mm wide spaced 610mm O.C.	2x2	32	37	64
TL07-631	RSIC-1®	20 Ga., 92mm wide spaced 610mm O.C.	2x2	30	38	64
TL07-635	RSIC-V®	20 Ga., 92mm wide spaced 610mm O.C.	2x2	28	36	60
TL09-600	2x GenieClip RST	20 Ga., 92mm wide spaced 610mm O.C.	1x1	22	28	59
TL09-601	2x GenieClip RST	20 Ga., 92mm wide spaced 610mm O.C.	2x1	28	36	63
TL09-602	2x GenieClip RST	20 Ga., 92mm wide spaced 610mm O.C.	2x2	35	42	66

* RC Deluxe is a brand of resilient bar

** RSIC-V and RSIC-1 are both brands of isolation clips

TEST RESULTS

WOOD STUD WALL ASSEMBLIES						
TEST REPORT NUMBER	PRODUCT	WOOD STUD WALL STRUCTURE	GWB LAYERS (16mm Type X)	TL @80 Hz (dB)	TL @100 Hz (dB)	STC (ASTM E413)
TL07-674	None	2 x 4 spaced 406mm O.C.	1x1	23	23	37
TL07-673	GenieClip® RST	2 x 4 spaced 406mm O.C.	1x1	20	27	57
TL07-754	RC Deluxe®	2 x 4 spaced 406mm O.C.	1x1	15	20	50
TL07-753	RSIC-1®	2 x 4 spaced 406mm O.C.	1x1	17	25	56
TL07-746	RSIC-V®	2 x 4 spaced 406mm O.C.	1x1	14	22	52
TL07-672	GenieClip RST	2 x 4 spaced 406mm O.C.	2x1	27	33	61
TL07-740	None	2 x 4 spaced 406mm O.C.	2x1	25	25	39
TL07-744	RC Deluxe®	2 x 4 spaced 406mm O.C.	2x1	19	25	55
TL07-752	RSIC-1®	2 x 4 spaced 406mm O.C.	2x1	25	30	61
TL07-747	RSIC-V®	2 x 4 spaced 406mm O.C.	2x1	22	28	58
TL07-670	GenieClip RST	2 x 4 spaced 406mm O.C.	2x2	31	39	64
TL07-741	None	2 x 4 spaced 406mm O.C.	2x2	27	28	41
TL07-743	RC Deluxe®	2 x 4 spaced 406mm O.C.	2x2	25	30	60
TL07-751	RSIC-1®	2 x 4 spaced 406mm O.C.	2x2	30	35	65
TL07-748	RSIC-V®	2 x 4 spaced 406mm O.C.	2x2	28	33	63
TL07-644	GenieClip RST	2 x 4 spaced 406mm O.C.	1x1 +1 layer	16	18	48
TL07-697	GenieClip RST	2 x 4 spaced 406mm O.C.	2x1 +1 layer	17	24	54
TL11-120	None	Double Stud 2 x 4 spaced 406mm O.C., 25mm air gap	1x1	32	35	61
TL11-121	None	Staggered Stud 2 x 4 spaced 203mm O.C.	2x2	29	36	47

* RC Deluxe is a brand of resilient bar

** RSIC-V and RSIC-1 are both brands of isolation clips

CONTACT US

For Your Project Specific Questions

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