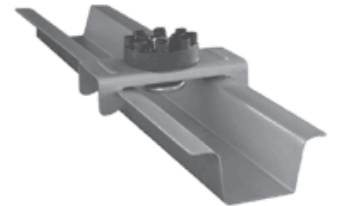


## Resilient Sound Isolation Clips:

One of the most cost-effective acoustical products for improving the sound transmission loss of a wall or floor/ceiling system is the resilient channel. Resilient channels are commonly used in multi-family housing projects, especially projects with wood frame construction, but they can be used in any application where sound transmission is a concern.

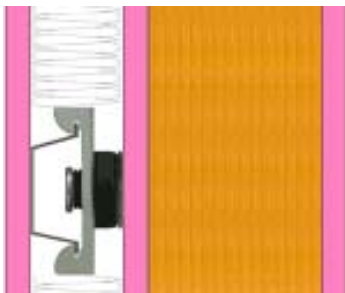


Our resilient channels are 1/2" thick and have a cross-section shape similar to 1/2 of a hat channel, with only one leg attached to the supporting structure and the other edge floating freely. They are constructed from 25-gauge sheet steel, and they contain holes in the web of the channel to provide flexibility.

The fundamental purpose of the resilient channel is to provide a means for attaching gypsum board to the supporting structure without actually permitting the gypsum board to directly contact the supporting structure. It is the de-coupling of the gypsum board from the framing that provides the improved sound transmission loss.

### Features:

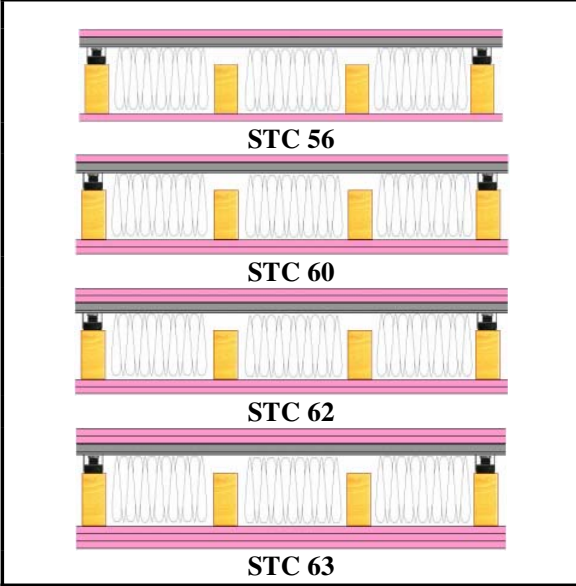
- STC-56
- Best Performance to Dollar Ratio
- Not required to treat both sides of same wall
- Easy to Install
- Less expensive to ship than barrier materials



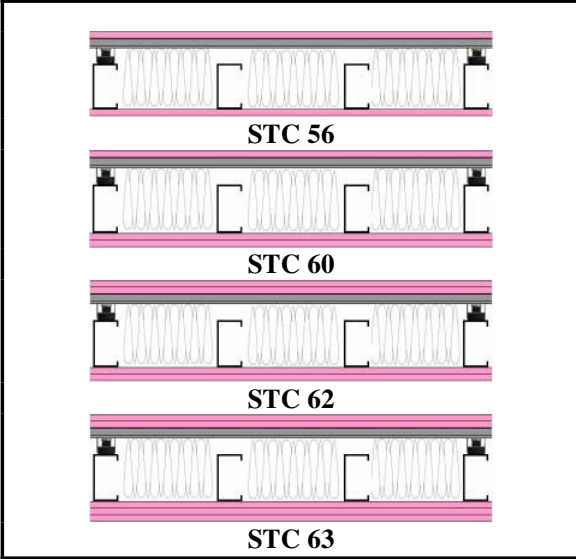


**THE RSIC-1 SOUND ISOLATION CLIP**

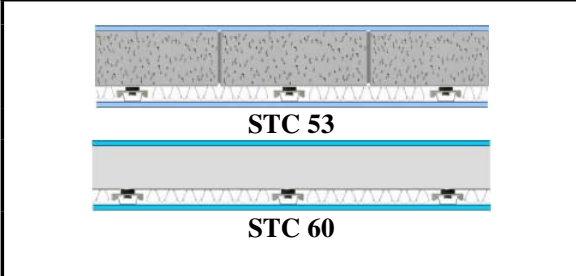
**RSIC-1 Wall Systems**  
**WOOD**



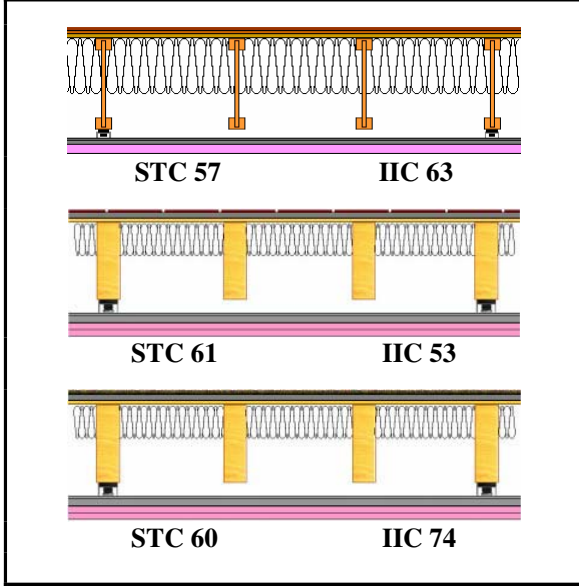
**STEEL**



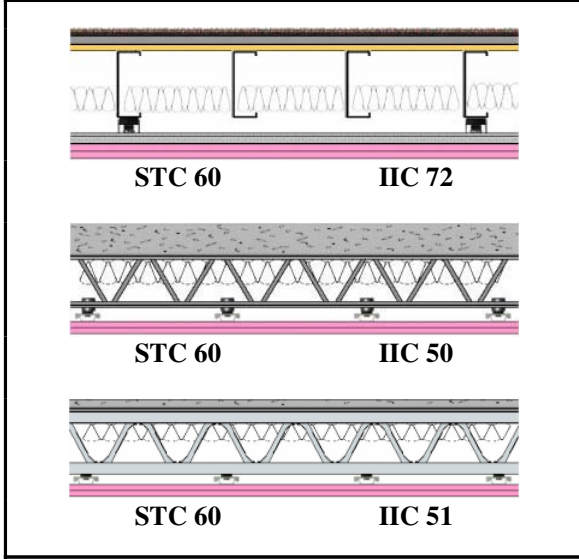
**CONCRETE**



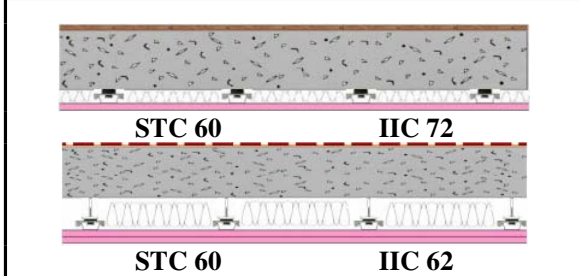
**RSIC-1 Floor/Ceiling Systems**  
**WOOD**



**STEEL**



**CONCRETE**





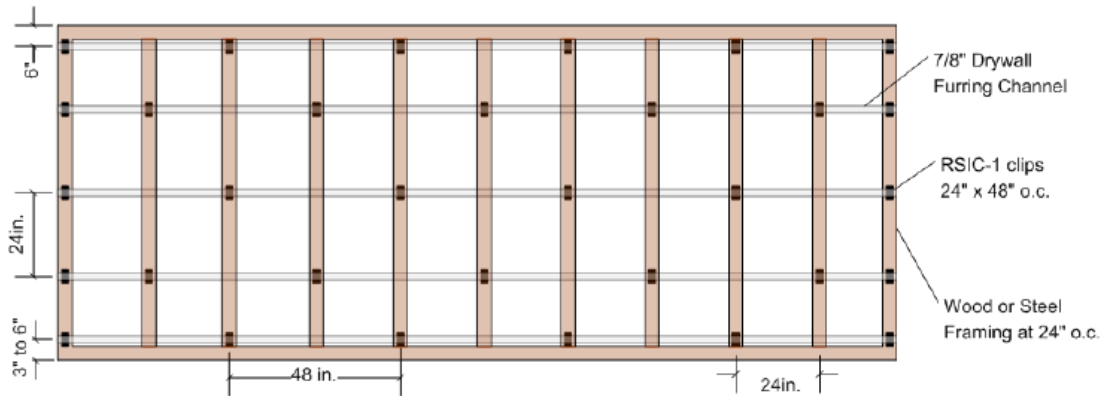
**APPLICATION RECOMMENDATIONS FOR WALLS AND CEILINGS, WOOD OR STEEL FRAMING**

**INSTALLING RESILIENT SOUND ISOLATION CLIPS (RSIC-1)**

**RSIC CLIPS AT 24" OC.**

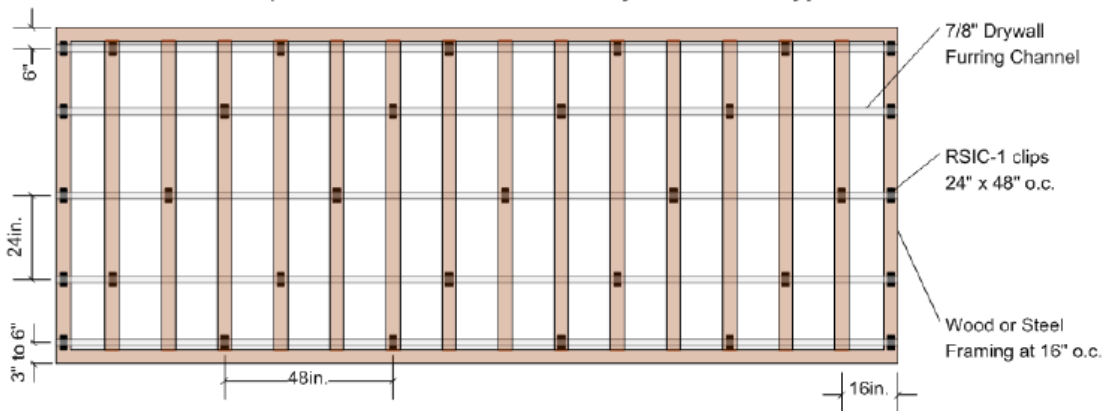
**RSIC-1 Wall or Ceiling System Framing at 24" o.c.**

RSIC-1 clips at 24" x 48" o.c. 1 or 2 Layers of 5/8" Gypsum Board



**RSIC-1 Wall or Ceiling System Framing at 16" o.c.**

RSIC-1 clips at 24" x 48" o.c. 1 or 2 Layers of 5/8" Gypsum Board



# RSIC-1 Usage Chart, DFC @ 24" on center with RSIC-1 @ 48" o.c.

*Field conditions may effect quantity required*

		L e n g t h															
		1~4'	5~8	9~12	13~16	17~20	21~24	25~28	29~32	33~36	37~40	41~44	45~48	49~52	53~56	57~60	61~64
W i d t h  o r  H e i g h t	1~3'	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34
	3~5	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51
	5~7	8	12	16	20	24	28	32	36	40	44	48	52	56	60	64	68
	7~9	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85
	9~11	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102
	11~13	14	21	28	35	42	49	56	63	70	77	84	91	98	105	112	119
	13~15	16	24	32	40	48	56	64	72	80	88	96	104	112	120	128	136
	15~17	18	27	36	45	54	63	72	81	90	99	108	117	126	135	144	153
	17~19	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170
	19~21	22	33	44	55	66	77	88	99	110	121	132	143	154	165	176	187
	21~23	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
	23~25	26	39	52	65	78	91	104	117	130	143	156	169	182	195	208	221
	25~27	28	42	56	70	84	98	112	126	140	154	168	182	196	210	224	238
	27~29	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255
	29~31	32	48	64	80	96	112	128	144	160	176	192	208	224	240	256	272
	31~33	34	51	68	85	102	119	136	153	170	187	204	221	238	255	272	289
	33~35	36	54	72	90	108	126	144	162	180	198	216	234	252	270	288	306
	35~37	38	57	76	95	114	133	152	171	190	209	228	247	266	285	304	323
	37~39	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340
	39~41	42	63	84	105	126	147	168	189	210	231	252	273	294	315	336	357
	41~43	44	66	88	110	132	154	176	198	220	242	264	286	308	330	352	374
	43~45	46	69	92	115	138	161	184	207	230	253	276	299	322	345	368	391
	45~47	48	72	96	120	144	168	192	216	240	264	288	312	336	360	384	408
	47~49	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425
	49~51	52	78	104	130	156	182	208	234	260	286	312	338	364	390	416	442
	51~53	54	81	108	135	162	189	216	243	270	297	324	351	378	405	432	459
	53~55	56	84	112	140	168	196	224	252	280	308	336	364	392	420	448	476
	55~57	58	87	116	145	174	203	232	261	290	319	348	377	406	435	464	493
57~59	60	90	120	150	180	210	240	270	300	330	360	390	420	450	480	510	
59~61	62	93	124	155	186	217	248	279	310	341	372	403	434	465	496	527	
61~63	64	96	128	160	192	224	256	288	320	352	384	416	448	480	512	544	
63~65	66	99	132	165	198	231	264	297	330	363	396	429	462	495	528	561	
65~67	68	102	136	170	204	238	272	306	340	374	408	442	476	510	544	578	
67~69	70	105	140	175	210	245	280	315	350	385	420	455	490	525	560	595	
69~71	72	108	144	180	216	252	288	324	360	396	432	468	504	540	576	612	
71~73	74	111	148	185	222	259	296	333	370	407	444	481	518	555	592	629	
73~75	76	114	152	190	228	266	304	342	380	418	456	494	532	570	608	646	
75~77	78	117	156	195	234	273	312	351	390	429	468	507	546	585	624	663	
77~79	80	120	160	200	240	280	320	360	400	440	480	520	560	600	640	680	
79~81	82	123	164	205	246	287	328	369	410	451	492	533	574	615	656	697	

Note: Add 4 RSIC-1 at each Drywall Butt Joint Condition for optimum Acoustical and UL Fire Resistive Assembly compliances. See UL Fire Resistive Design specifications.

# RSIC-1 Usage Chart, DFC @ 16" on center with RSIC-1 @ 48" o.c.

*Field conditions may effect quantity required*

		L e n g t h															
		1~4	5~8	9~12	13~16	17~20	21~24	25~28	29~32	33~36	37~40	41~44	45~48	49~52	53~56	57~60	61~64
W i d t h o r H e i g h t	1~1.3'	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34
	1.3~2.6'	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51
	2.6~4'	8	12	16	20	24	28	32	36	40	44	48	52	56	60	64	68
	4~5.3'	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85
	5.3~6.6'	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102
	6.6~8'	14	21	28	35	42	49	56	63	70	77	84	91	98	105	112	119
	8~9.3'	16	24	32	40	48	56	64	72	80	88	96	104	112	120	128	136
	9.3~10.6'	18	27	36	45	54	63	72	81	90	99	108	117	126	135	144	153
	10.6~12'	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170
	12~13.3'	22	33	44	55	66	77	88	99	110	121	132	143	154	165	176	187
	13.3~14.6'	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204
	14.6~16'	26	39	52	65	78	91	104	117	130	143	156	169	182	195	208	221
	16~17.3'	28	42	56	70	84	98	112	126	140	154	168	182	196	210	224	238
	17.3~18.6'	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255
	18.6~20'	32	48	64	80	96	112	128	144	160	176	192	208	224	240	256	272
	20~21.3'	34	51	68	85	102	119	136	153	170	187	204	221	238	255	272	289
	21.3~22.6'	36	54	72	90	108	126	144	162	180	198	216	234	252	270	288	306
	22.6~24'	38	57	76	95	114	133	152	171	190	209	228	247	266	285	304	323
	24~25.3'	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340
	25.3~26.6'	42	63	84	105	126	147	168	189	210	231	252	273	294	315	336	357
	26.6~28'	44	66	88	110	132	154	176	198	220	242	264	286	308	330	352	374
	28~29.3'	46	69	92	115	138	161	184	207	230	253	276	299	322	345	368	391
	29.3~30.6'	48	72	96	120	144	168	192	216	240	264	288	312	336	360	384	408
	30.6~32'	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425
	32~33.3	52	78	104	130	156	182	208	234	260	286	312	338	364	390	416	442
	33.3~34.6'	54	81	108	135	162	189	216	243	270	297	324	351	378	405	432	459
	34.6~36'	56	84	112	140	168	196	224	252	280	308	336	364	392	420	448	476
	36~37.3	58	87	116	145	174	203	232	261	290	319	348	377	406	435	464	493
	38.6~40'	60	90	120	150	180	210	240	270	300	330	360	390	420	450	480	510
	40~41.3'	62	93	124	155	186	217	248	279	310	341	372	403	434	465	496	527
	41.3~42.6	64	96	128	160	192	224	256	288	320	352	384	416	448	480	512	544
	42.6~44'	66	99	132	165	198	231	264	297	330	363	396	429	462	495	528	561
	44~45.3'	68	102	136	170	204	238	272	306	340	374	408	442	476	510	544	578
	45.3~46.6'	70	105	140	175	210	245	280	315	350	385	420	455	490	525	560	595
48~49.3'	72	108	144	180	216	252	288	324	360	396	432	468	504	540	576	612	
49.3~50.6	74	111	148	185	222	259	296	333	370	407	444	481	518	555	592	629	
50.6~52'	76	114	152	190	228	266	304	342	380	418	456	494	532	570	608	646	
52~53.3'	78	117	156	195	234	273	312	351	390	429	468	507	546	585	624	663	
53.3~54.6	80	120	160	200	240	280	320	360	400	440	480	520	560	600	640	680	
54.6~56'	82	123	164	205	246	287	328	369	410	451	492	533	574	615	656	697	

Note: Add 4 RSIC-1 at each Drywall Butt Joint Condition for optimum Acoustical and UL Fire Resistive Assembly compliances. See UL Fire Resistive Design specifications.

