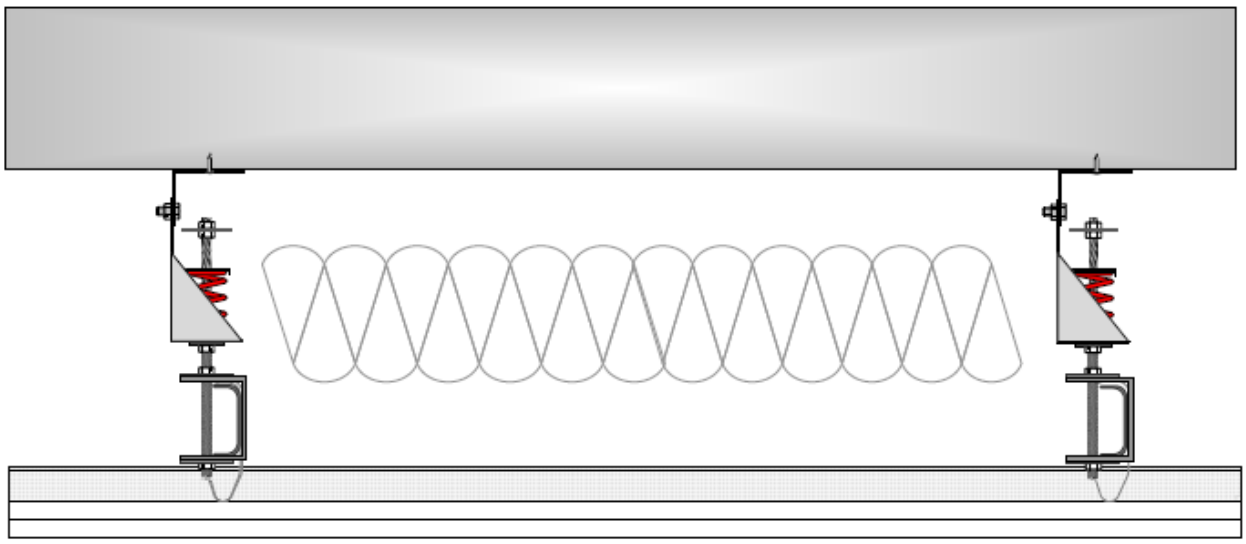
RSIC-SI-CRC SPRING ISOLATED CLIP

INSTALLATION

DIRECT FIX TO CONCRETE

RSIC-SI-CRC Dropped Ceiling



CONSTRUCTION

- Concrete Structure 6"
- RSIC-OH clip attached to slab spaced at 48" oc.
- RSIC-SI-CRC bolted to RSIC-OH
- 7/8" 20 Ga Drywall Furring Channel @ 16" oc.
- 3-1/2" Fiberglass Batt Insulation
- 2 Layers 5/8" Fire Code Gypsum Board

Fire Resistance Ratings
Noncombustible

SOUND TRANSMISSION CLASS	IMPACT ISOLATION CLASS
STC 84	IIC 70

Calculated Results

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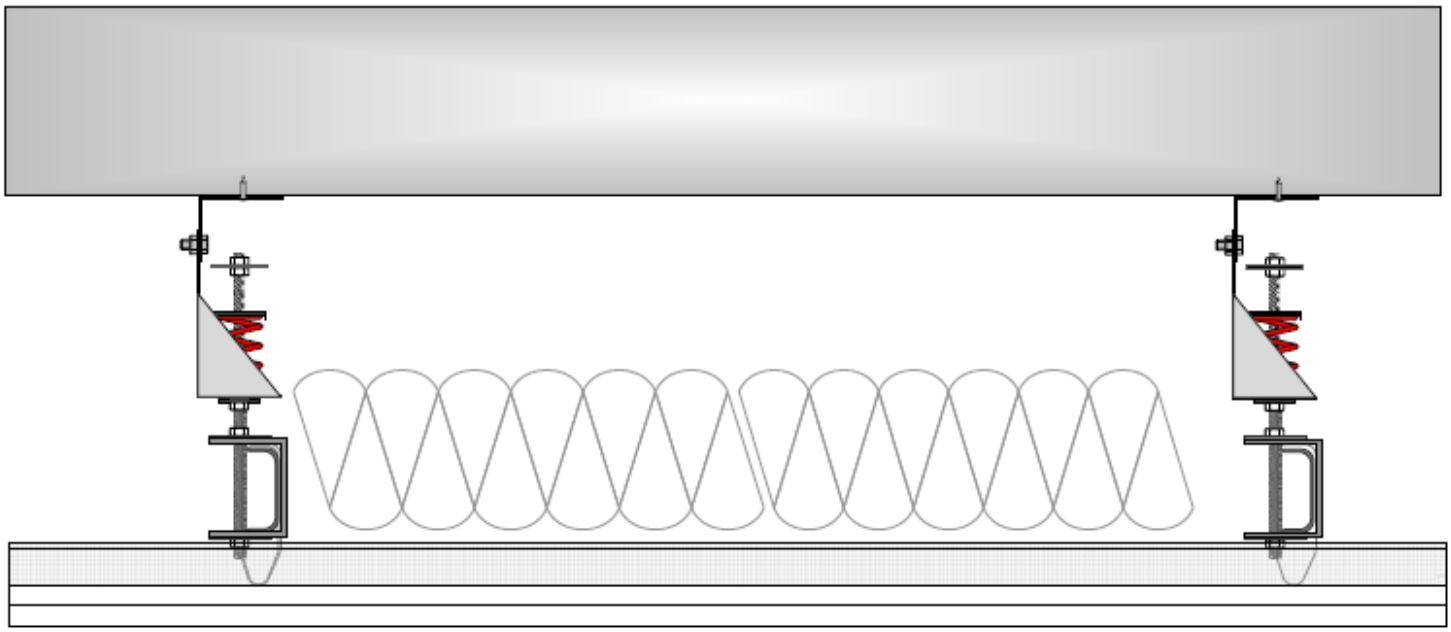
RSIC-SI-CRC SPRING ISOLATED CLIP

INSTALLATION

Assembly:

6" Concrete Slab
RSIC-SI-CRC clips installed at 48" oc to Concrete with RSIC-OH Concrete adapters
1-1/2" x 16 Ga CRC channel fastened into "C" clip on RSIC-SI-CRC isolator
20 Ga x 7/8" Hat channel wire tied perpendicular to 1-1/2" CRC channel at 16" oc.
3-1/2" Fiberglass batt insulation laid over 7/8" furring channel
2 layer 5/8" Firecode gypsum board screwed to 7/8" furring channel with seems overlapping 24".

RSIC-SI-CRC Sample Ceiling



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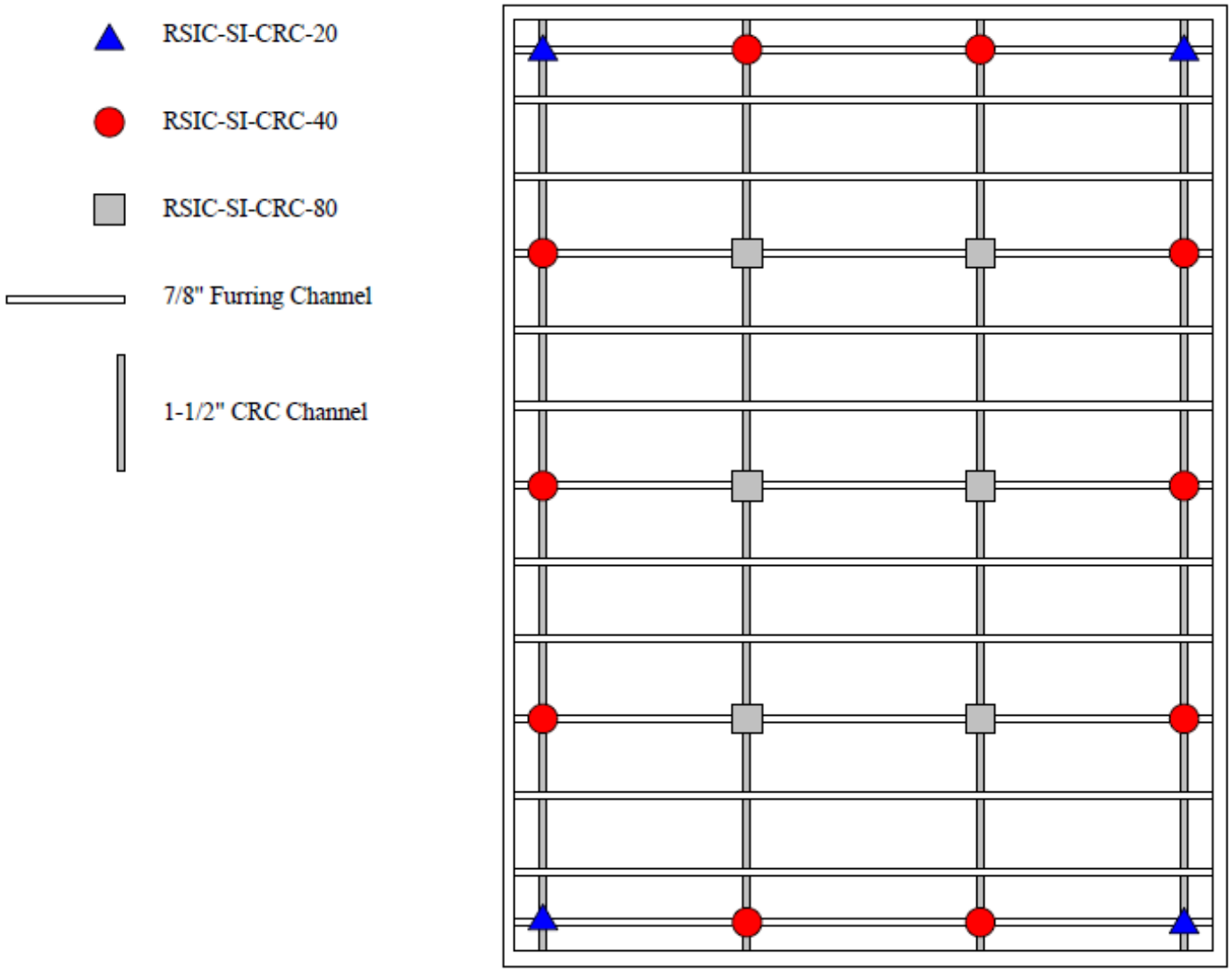
RSIC-SI-CRC SPRING ISOLATED CLIP

INSTALLATION

RSIC-SI-CRC Sample Layout



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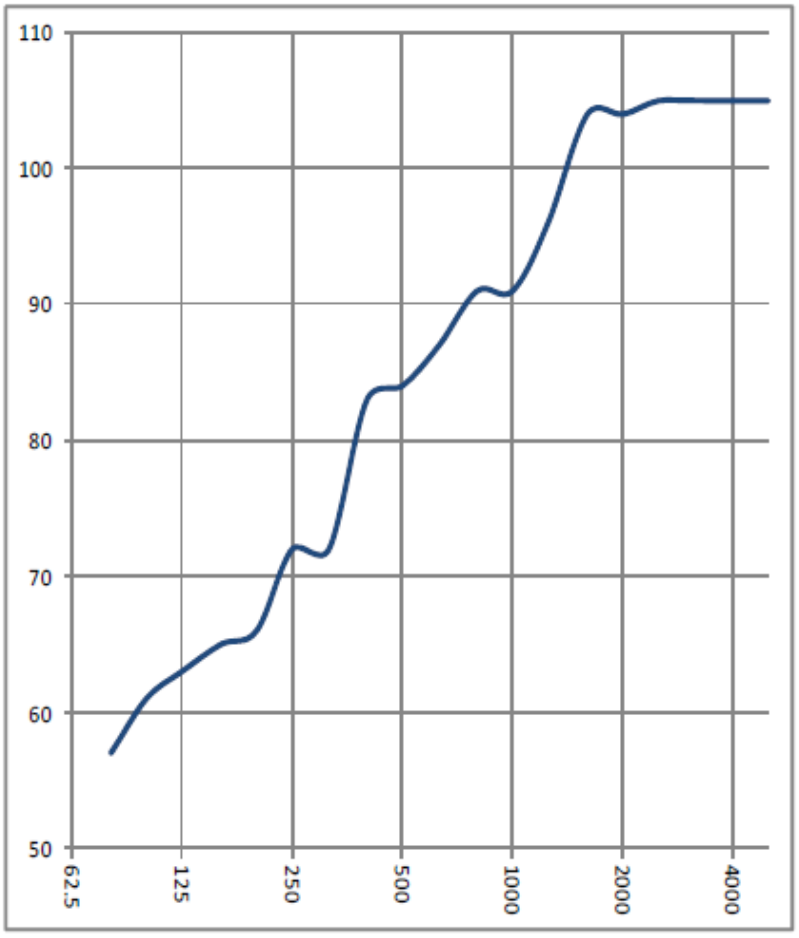
RSIC-SI-CRC SPRING ISOLATED CLIP INSTALLATION

Trademark SOUNDPROOFING

RSIC-SI-CRC Calculated STC Rating

Frequency (HZ)	Airborne Sound Transmission Loss (DB)
80	57
100	61
125	63
160	66
200	72
315	72
400	83
500	84
630	87
800	91
1000	91
1250	96
1600	104
2000	104
2500	104
3150	104
4000	104
5000	104
Calculated STC 84	



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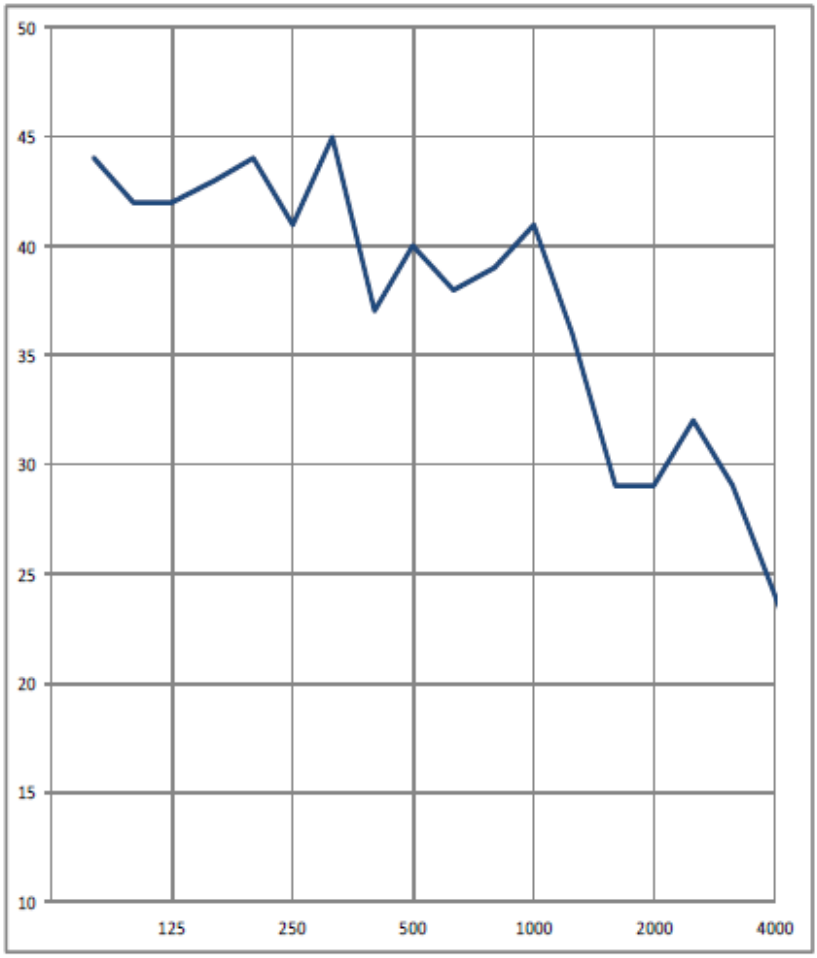
RSIC-SI-CRC SPRING ISOLATED CLIP INSTALLATION

Trademark SOUNDPROOFING

RSIC-SI-CRC Calculated IIC Rating

Frequency (HZ)	Impact Sound Transmission Loss (DB)
80	44
100	42
125	42
160	43
200	44
315	41
400	45
500	37
630	40
800	38
1000	39
1250	41
1600	36
2000	29
2500	29
3150	32
4000	24
5000	20
Calculated IIC 70	



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