

Sound Transmission Class Testing (ASTM E90)

INTRODUCTION:

This report presents the results of acoustical testing of CS-TTS SA Top Track Seal. This testing was requested by Mr. Chad Stroike, CFPS and was completed on February 17, 2017.

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The results stated in this report represent only the specific construction and acoustical conditions present at the time of the test. Measurements performed in accordance with this standard on nominally identical constructions and acoustical conditions may produce different results.

TEST RESULTS SUMMARY:

Test #	Name	Adjustment	STC	Def	OITC
1	3 5/8" Steel Studded wall	Sealed Baseline	57	30	40
2	3 5/8" Steel Studded wall	CS TTS SA Top Track Seal Exposed	55	31	39

Tabular and graphical presentations of the data are presented under "TEST RESULTS" below. Individual wall constructions are listed below.

SPECIMEN DESCRIPTION:

Test #1: Baseline Wall: In order to create a baseline for testing a "filler wall" was constructed. Details of the filler wall are below. Materials are listed from source room to receive room. This "filler wall" was used for tests 1 and 2.

- 2 layers 5/8" Gypsum
- 25 gauge 3 5/8" Steel Studs with CS-TTS SA Top Track Seal in place
- R-13 Fiberglass Insulation
- 2 Layers 5/8" Gypsum
- Duct Seal around perimeter

Test #2: Top row of Duct Seal was removed to expose the CS-TTS SA Top Track Seal for testing.