

GG246-14

807.2, 807.2.3 (New)

Proponent: Jason Thompson, representing NCMA/MACS (jthompson@ncma.org)

Revise as follows:

807.2 Sound transmission. Sound transmission classes established by laboratory measurements shall be determined in accordance with ASTM E 413 based on measurements in accordance with ASTM E 90. Sound transmission classes for concrete masonry and clay masonry assemblies shall be calculated in accordance with TMS 0302 or determined in accordance with ASTM E 413 based on measurements in accordance with ASTM E 90. Field measurements of completed construction, if conducted, shall be in accordance with ASTM E 336 where conditions regarding room size and absorption required in ASTM E 336 are met. Outdoor-indoor transmission classes shall be determined in accordance with ASTM E1332 based on measurements in accordance with ASTM E90 or ASTM E966. Outdoor- indoor transmission classes for concrete masonry and clay masonry assemblies shall be calculated in accordance with TMS 0302 or shall be determined in accordance with ASTM E1332 based on measurements in accordance with ASTM E90 or ASTM E966.

Add new text as follows:

807.2.3 Exterior sound transmission. For all buildings other than Group F, S, and U the outdoor-indoor transmission classifications shall comply with Section 8.3.3.1 of ASHRAE 189.1.

Add new standard(s) as follows:

ASTM

E1332-10a, Standard Classification for Rating Outdoor-Indoor Sound Attenuation
E966-10e1, Standard Guide for Field Measurements of Airborne Sound Insulation of Building Façades and Façade Elements

Reason: Controlling the levels of exterior-generated noise is fundamentally as important as interior-generated noise. This modification introduces the minimum OITC values currently stipulated in ASHRAE 189.1.

Cost Impact: Will increase the cost of construction

Analysis: A review of the standard proposed for inclusion in the code, ASTM E1332-10a, ASTM E966-10e1 with regard to the ICC criteria for referenced standards (Section 3.6 of CP#28) will be posted on the ICC website on or before April 1, 2014. ASHRAE 189.1 and ASTM E90 are already referenced in the IGCC.

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