

# GG253-14

## 807.5, 807.5.1, 807.5.2, 807.5.4, 807.6

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### Revise as follows:

**807.5 ~~Special inspections~~ Commissioning for sound levels.** An approved agency, funded by the building owner, shall furnish report(s) of test findings indicating that the sound level results are in compliance with this section, applicable laws and ordinances, and the construction documents. Discrepancies shall be brought to the attention of the design professional and *code official* prior to the completion of that work. A final testing report documenting required testing and corrections of any discrepancies noted in prior tests shall be submitted at a point in time agreed upon by the building owner, or building owner's agent, design professional, and the *code official* for purposes of demonstrating compliance.

**807.5.1 Testing for mechanical and electrical generator equipment outside of buildings.** ~~Special inspections~~ Commissioning shall be conducted in accordance with Section 903.1 to demonstrate compliance with the requirements of Section 807.3.1. Testing shall be conducted following the complete installation of the equipment or generators, the installation of sound reduction barriers, and balancing and operation of the equipment or generators. Testing shall be at locations representing the four cardinal directions from the face of the project building. Such testing shall demonstrate that the equipment is capable of compliance with the night-time limits under normal night-time operating conditions, and if higher sound levels are possible during the daytime, compliance with the daytime limits shall also be demonstrated.

**807.5.2 Testing for building system background noise.** ~~Commissioning~~ ~~Special inspections~~ shall be conducted in accordance with Section 903.1 to demonstrate compliance with the requirements of Section 807.3.2. Testing shall be executed within not less than 50 percent of the total number of rooms contained in a building or structure of the types listed in Table 807.3.2 for the given occupancy in accordance with Table 903.1. Testing shall occur following the complete installation of the equipment and systems, the installation of any sound reduction barriers, and balancing and operation of the equipment and systems.

**807.5.4 HVAC background sound.** HVAC system caused background sound levels for all modes of operation within rooms shall be in accordance with the lower and upper noise criteria (NC) limits as shown in Table 807.3.2. Commissioning ~~Special inspections~~ shall be required and conducted in accordance with Section 903.1 in order to demonstrate compliance.

**807.6 ~~Special inspections~~ Commissioning for sound transmission.** An approved agency, employed by the building owner, shall furnish report(s) of test findings indicating that the results are in compliance with this section and the construction documents. Discrepancies shall be brought to the attention of the design professional and *code official* prior to the completion of that work. A final testing report documenting required testing and corrections of any discrepancies noted in prior tests shall be submitted at a point in time agreed upon by the building owner, or building owner's agent, design professional, and the *code official* for purposes of demonstrating compliance.

**Exception:** Test reports are not required for *approved* assemblies with an established sound transmission class (STC) rating.

**Reason:** The testing required by Sections 807.5 and 807.6 is more like commissioning than special inspection. These sections require testing to show that the required sound level and sound transmission ratings are achieved. They require testing, not inspection. Both sections require the testing to be done according to Section 903, Commissioning.

Chapter 2 defines commissioning as "A process that verifies and documents that the selected building and site systems have been designed, installed, and function in accordance with the owner's project requirements and construction documents,

and minimum code requirements” The purpose of the testing required by Sections 807.5 and 807.6 is to verify that the equipment functions in compliance with the requirements of Table 807.3.1 and 807.3.2.

**Cost Impact:** Will not increase the cost of construction.

**GG253-14 : 807.5 #1-TRAXLER1136**

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