

**ASTM E119-95a
Fire Tests of Building
Construction and Materials
Non-bearing Sandwich Panel Wall**

Project No. 8946-103863

ONE-HOUR FIRE RESISTANCE TEST OF A SANDWICH PANEL WALL
ASSEMBLY UNDER RESTRAINED, NON-BEARING CONDITIONS.

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Abstract

*A symmetrical sandwich panel wall assembly, consisting of 26 GA. 1³/₄" metal studs @ 24" centers, clad on each side with a single layer of 5/8" Type X gypsum wallboard, produced, assembled and tested as described herein, successfully met the conditions of acceptance as outlined in **ASTM Method E119-95a FIRE TESTS OF BUILDING CONSTRUCTION AND MATERIALS** for a restrained, nonbearing fire endurance rating of 57 min.*

All unexposed surface thermocouples met the requirements for a one hour fire endurance rating except for TC #10, which was one of two thermocouples located on a field joint. It is shown that an alteration in the positions of the joint edge steel studs will result in a fire endurance rating of one hour for this assembly.

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