



City of Columbus
Mayor Michael B. Coleman

Department of Development

Boyce Safford, III - Director

Building Services Division

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Revised: 11/04/09

Construction Industry Communication #13

From: Keith Wagenknecht, Chief Building Official

**Re: Installation of Recessed Lighting Fixtures in Rated
Floor/Ceiling Assemblies**

Requirements: 2007 Ohio Building Code Section 712.4.1.2 Membrane Penetrations: Where floor/ceiling assemblies are required to have a minimum of one-hour fire-resistance rating, recessed lighting fixtures shall be installed such that the required fire resistance will not be reduced.

Background: The City of Columbus has historically approved installation of recessed light fixtures in rated floor/ceiling assemblies as long as the number of fixtures did not exceed 100 square inches per 100 square feet exception, a gypsum wall board enclosure was permitted to be constructed around the light fixture(s) and approval was given. This installation will no longer be accepted or approved.

Memorandum: The City of Columbus shall approve the installation of recessed light fixtures or covers in compliance with Exception #3 of Section 712.4.1.2 that permits listed electrical boxes of any material provided such boxes have been tested for use in fire-resistance-rated assemblies and are installed in accordance with the instructions included in the listing. The annular space between the ceiling membrane and the box shall not exceed 1/8 inch unless listed otherwise.