



BUILDINGS BULLETIN 2016-003
OTCR

Supersedes: None

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Purpose: This document establishes acceptance criteria for grease duct enclosure assemblies not prescribed in the Mechanical Code as an alternative to the NYC Construction Codes.

Related Code	AC 113.2.3	MC 301.4	MC 506.3.1.1
Section(s):	BC 1704.14	MC 301.6	MC 506.3.2.5
	BC 1704.27	MC 304.1	MC 506.3.6
		MC 506.1	MC 506.3.10.2
		MC 506.2	MC 607

Subject(s): Commercial kitchen hood ventilation system, grease duct; Commercial kitchen hood ventilation system, grease duct, factory manufactured commercial grease ducts with field applied fire-rated insulation; Type I hood, ducts

Background: In accordance with Section MC 506.3.1.1 grease ducts serving Type 1 hoods are accepted in accordance with prescriptive requirements (see items 1, 2 and 3) or performance requirements per UL 1978 (see Exception). Grease duct enclosure assemblies, as defined below, do not meet the prescriptive requirements of Section MC 506.3.1.1 or comply with dimensional requirements of UL 1978 (complies with performance requirements). This Bulletin establishes acceptance criteria for grease duct enclosure assemblies as described below as an alternative to the NYC Construction Codes.

Description: Grease duct enclosure assemblies consists of:

1. Factory fabricated sheet metal grease duct system, including enhancement.
2. A liquid-tight high temperature connection method for joining grease duct sections in the field.
3. Field applied two-hour zero clearance fire-rated grease duct insulation enclosure system.

Evaluation Scope: NYC Construction Codes

Evaluation Criteria: Pursuant to Section AC 28-113, the Office of Technical Certification and Research (OTCR) recognizes grease duct enclosure assemblies when tested, designed and evaluated in accordance with ICC-ES AC 101.2¹ "Acceptance Criteria for Grease Duct Enclosure Assemblies: Segmented Grease Duct Systems". Acceptable grease duct enclosure assemblies shall have an evaluation or code compliance report issued in accordance with ICC-ES AC 101.2 and comply with conditions of this bulletin. The agency providing the evaluation or code compliance report shall be accredited to ISO 17065.

Uses: Grease duct enclosure assemblies are used for grease duct systems and exhaust equipment serving Type I hoods.

Conditions of Acceptance: Grease duct enclosure assemblies shall be designed and installed in accordance with the NYC Construction Codes and other applicable provisions including but not limited to the following:

A. Design

Grease duct enclosure assemblies shall be designed in accordance with the NYC Construction Codes, manufacturer's installation instructions, and the conditions of the required listing.

B. Installation Requirements

1. Installation requirements shall be in accordance with the manufacturer's instructions, the applicable listing, the NYC Construction Codes, New York City Fire Code and the conditions of this bulletin.
2. A field leakage test shall be performed in accordance with Section MC 506.3.2.5.
3. Special inspection shall be required in accordance with Buildings Bulletin 2015-028.
4. A welded connection shall be used where the factory manufactured commercial grease duct meets the kitchen hood. The welded hood connection shall be free of gaps and inconsistencies along the entire circumference in accordance with Section MC 506.3.2.2.
5. Comply with all safety limitation requirements.
6. The above referenced grease duct assembly shall not be used for solid fuel cooking operation.
7. Grease duct enclosure assemblies within an occupancy in High Rise buildings as defined in NYC Construction Codes Section BC 202 shall require site-specific acceptance by OTCR.
8. Firestopping shall be installed in accordance with Section MC 506.3.10, Exception 1.
9. Grease duct enclosure assemblies shall be labeled as per Section AC 28-113.4. All shipments and deliveries of materials shall be accompanied by a certificate or label certifying that the materials shipped or delivered are equivalent to those tested and approved.

Referenced Standards: 1. AC 101.2 "Acceptance Criteria for Grease Duct Enclosure Assemblies: Segmented Grease Duct Systems for the grease duct segment."