

	<b>CITY OF MILPITAS</b> Office of Building Safety 455 E. Calaveras Blvd. Milpitas, CA 95035 408-586-3240 <a href="http://www.milpitas.gov">www.milpitas.gov</a>	<b>Policy:</b>	<b>BDP-ME06</b>
		Effective Date:	12/1/2018
		Proposed by:	VS
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		Reviewed/Revised by:	JDS
	<b>KITCHEN GREASE DUCT FIRE WRAP POLICY</b>	Approved By:	Building Official

## **CODE REFERENCES:**

The 2022 California Mechanical Code (CMC) section 510.7 Interior Installations states in part: “In all buildings more than one story in height and in one-story buildings where the roof-ceiling assembly is required to have a fire resistance rating, the ducts shall be enclosed in a continuous enclosure extending from the lowest fire-rated ceiling or floor above the hood. I through any concealed spaces, to or through the roof, to maintain the integrity of the fire separations required by the applicable building code provisions.”

An exception to this requirement for a continuous enclosure, i.e., a fire resistance rated shaft, is also found under section 510.7, which states in part:

“The continuous enclosure provisions shall not be required where a field-applied grease duct enclosure or a factory-built grease duct enclosure [...] is protected with a listed duct-through-penetration protection system [...]”

## **ISSUE:**

All grease duct fire wrap is required under current Code to be of 2-hour fire-resistance rated construction, which requires two layers of wrap. All fire wrap manufactures have specific installation instructions that require minimum size laps of the two layers of material and other detailed installation requirements that would necessitate a continuous inspection by a City inspector to assure that the installation details and code requirements are met. City Inspectors work schedules do not allow the time to provide this type of continuous inspection service.

## **POLICY:**

All field applied grease duct enclosures shall be continuously observed/inspected by a third-party independent inspection agency individual that is certified by the specific manufacturer of the material being installed, as suitable to provide such inspections. The Contractor shall be responsible for hiring and compensating the third-party inspection agency to provide this service.

The Contractor shall request duct wrap inspection from the city with the third party independent certified inspector on-site, on the day that the work is to begin, but prior to concealing any grease duct. A copy of the third-party independent inspector's certification shall be collected by the City Inspector at this time for our records. **This documentation is required prior to concealing the grease duct.**

The City Inspector will then collect a dated, signed final acceptance letter from the third-party inspection agency, issued on company letterhead, after completion of the duct wrap installation. The letter will state the location of the installation, date(s) of installation, the installer name, the fire wrap manufacturer's name, the brand name of the type of wrap installed, and a statement that the wrap was installed per manufacturer and Code requirements.