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Grease Duct Light Test Report

A grease duct light test report must be provided to the HVAC Inspector prior to “Approval for Cover” of any portion of a grease duct installation.

As per **Section 506.3.2.5 of the 2012 International Mechanical Code**, a grease duct serving a Type I commercial kitchen exhaust system shall comply with the following:

“Prior to the use or concealment of any portion of a grease duct system, a leakage test shall be performed. Ducts shall be considered to be concealed where installed in shafts or covered by coatings or wraps that prevent the ductwork from being visually inspected on all sides. The permit holder shall be responsible to provide the necessary equipment and perform the grease duct leakage test. A light test shall be performed to determine that all welded and brazed joints are liquid tight.

A light test shall be performed by passing a lamp having a power rating of not less than 100 watts through the entire section of ductwork to be tested. The lamp shall be open so as to emit light equally in all directions perpendicular to the duct walls. A test shall be performed for the entire duct system, including the hood-to-duct connection. The duct work shall be permitted to be tested in sections, provided that every joint is tested. For listed factory-built grease ducts, this test shall be limited to duct joints assembled in the field and shall exclude factory welds.”

The light test report provided by the HVAC Contractor performing the grease duct installation to the HVAC Inspector shall contain the following information:

- Test Completion Date
- HVAC Permit Number
- HVAC Contractor’s Name, License Number & Signature
- Project Address
- Acknowledgement that the test passed the testing requirements of duct leakage set forth in Section 506.3.2.5 of the 2012 IMC
- Sections of Grease Duct(s) that passed the light test

An HVAC Partial Rough-in inspection accompanied by a successful completion of a light Test report shall be completed prior to the concealment of any portion of a grease duct installation. Failure to do so will result as a “Failed” inspection and “Approval to Cover” will not be granted or any concealment installed prior to such approval will be required to be removed.