CITY OF MESA
BUILDING SAFETY DIVISION
COMMERCIAL COOKING HOOD SUPPRESSION SYSTEMS CHECKLIST

PROJECT STREET ADDRESS: _____________________________________________________________

PERMIT # _____________________________________________________________________________

THIS CHECKLIST IS TO BE USED AS A GUIDE WHEN PREPARING PLANS FOR A
COMMERCIAL COOKING HOOD SUPPRESSION SYSTEM INSTALLATION. NOTE: ALL
REFERENCES WERE TAKEN FROM THE 2018 MESA FIRE CODE, THE 2017 MESA
MECHANICAL CODE AND NFPA 72.

_____ 1. A Type I hood shall be installed at or above all commercial cooking appliances and
domestic cooking appliances used for commercial purposes that produce grease
vapors.  IFC 607.2 and IMC 507

_____ 2. Each required commercial kitchen exhaust hood and duct system required by Section
607 to have a Type I hood shall be protected with an approved automatic fire-
extinguishing system installed in accordance with this code.  IFC 904.2.2

_____ 3. Provide means for monitoring supervision if fire alarm is installed.  IFC 904.3.5 and
NFPA 72

_____ 4. The automatic fire-extinguishing system for commercial cooking systems shall be of a
type recognized for protection of commercial cooking equipment and exhaust systems
of the type and arrangement protected.  IFC 904.12

_____ 5. Pre-engineered automatic dry- and wet-chemical extinguishing systems shall be tested
in accordance with UL 300 and listed and labeled for the intended application.  IFC
904.12

_____ 6. Automatic fire-extinguishing systems of the following types shall be installed in
accordance with the referenced standard indicated, as follows (IFC904.12):

1. Carbon dioxide extinguishing systems, NFPA 12.
3. Automatic water mist systems, NFPA 750.
4. Foam-water sprinkler system or foam-water spray systems, NFPA 16.
5. Dry-chemical extinguishing systems, NFPA 17.
6. Wet-chemical extinguishing systems, NFPA 17A.
7. Provide a manual actuation device located at or near a means of egress from the cooking area not less than 10 feet and not more than 20 feet from the kitchen exhaust system. IFC 904.12.1

8. The manual actuation device shall be installed not more than 48 inches nor less than 42 inches above the floor and shall clearly identify the hazard protected. IFC 904.12.1

9. Provide automatic shutdown for fuel and electric to the cooking equipment under the hood. IFC 904.12.2

10. Fire extinguishers provided for the protection of cooking equipment shall be of an approved type compatible with the automatic fire-extinguishing system agent. IFC 906.4

11. Cooking equipment involving solid fuels or vegetable, or animal oils and fats shall be protected by a Class K-rated portable extinguisher in accordance with Sections 906.1, Item 2, 906.4.1 and 906.4.2 as applicable. IFC 906.4