



WHERE REQUIRED:
 Type I hoods shall be installed at or above all commercial-type deep fat fryers, broilers, fry grills, rotisseries and ranges
 ref.: 2000 UMC Sec. 509.1

HOOD MATERIALS:
 Type I hoods shall be constructed of galvanized steel, stainless steel, copper or other materials approved by the building official
 ref.: 2000 UMC Sec. 509.2

KEYNOTES

- 1 10 ft. MIN. FROM ADJACENT BUILDING, PROPERTY LINE OR AIR INTAKE OPENING
 may be reduced to 5 ft. if exhaust air is discharged away from such locations
 ref.: 2000 UMC Sec. 508.9
- 2 AIR VELOCITY FOR TYPE I EXHAUST HOODS
 min. 1,500 fpm to max. 2,500 fpm
 ref.: 2000 UMC Sec. 508.6
- 3 ELECTRICAL DISCONNECT
 ref.: 1999 NEC Art. 422-35
- 4 VENT RELEASE FOR HEATED AIR AROUND EXHAUST DUCT
 ref.: 2000 UMC Sec. 508.4
- 5 ROOF SURFACE
- 6 ROOF FRAMING MEMBERS
- 7 FULLY WELDED DUCT & PLENUM
 min. no. 16 manufacturer's standard gage steel or stainless steel
 bolts, screws, rivets and other mechanical fasteners shall not penetrate duct walls
 duct bracing and supports shall be noncombustible
 ref.: 2000 UMC Sec. 508.1
- 8 1-HOUR FIRE-RESISTIVE DUCT ENCLOSURE
 min. 2-HOUR duct enclosure in buildings of TYPE I & TYPE II fire-resistive construction
 ref.: 2000 UMC Sec. 508.4
- 9 AIR SPACE AROUND DUCT ENCLOSURE
 min. 3 inches to max. 12 inches clearance
 ref.: 2000 UMC Sec. 508.4
- 10 WALL FRAMING @ SIDE & REAR OF COOKLINE
 metal studs @ 16 inches on center with (1) layer 5/8 inch Type "X"
 water-resistant gypsum board -OR-
 where wood studs are used or plywood is applied to metal studs on cookline side of wall,
 two (2) layers of 5/8 inch Type "X" water-resistant gypsum board shall be applied
- 11 HOOD-to-WALL CLEARANCE
 min. 18 inches from combustible construction
 clearance may be reduced to min. 3 inches if combustible material is protected
 with materials of 1-hour fire-resistive construction (5/8 inch Type "X" gypsum board) on
 the hood side of the wall
 ref.: 2000 UMC Sec. 508.8
- 12 GREASE FILTER or EXTRACTOR
 ref.: 2000 UMC Sec. 509.5
- 13 GREASE GUTTER
 ref.: 2000 UMC Sec. 509.3
- 14 FIRE EXTINGUISHING SYSTEM
 ref.: 2000 UMC Sec. 510.2 & UFC
- 15 LIGHT FIXTURE
 listed for use within commercial cooking hoods; vapor, grease and oil-tight lamp & wiring
 compartments and; housing shall be smooth and corrosion-resistant
 ref.: 1999 NEC Art. 410-4(c)
- 16 METAL CLOSURE FLASHING AROUND HOOD
 required where hood is less than 12 inches from ceiling or wall
 min. no. 22 gage galvanized steel or stainless steel
 ref.: 2000 UMC Sec. 509.4
- 17 CEILING
- 18 EQUIPMENT - to - WALL CLEARANCE
 equipment shall be installed in accordance with manufacture's installation instructions
- 19 MAKEUP AIR
 each room provided with an exhaust system shall have air supplied to the room equal to the
 amount of air to be exhausted
 the exhaust air and makeup air systems shall be connected by an electrical interlocking switch
 ref.: 2000 UMC Sec. 509.9



City of Riverside
 Building & Safety Division
 TYPE I EXHAUST HOOD & DUCT ENCLOSURE

SCALE			NONE		
PGH	01/04		DATE		
REV.	DATE	APPR.			
1					
2					
3					
4					
5					

**COMMERCIAL
 KITCHEN HOOD
 & EXHAUST**

RM-1.0
 SHEET

TYPE I EXHAUST HOOD & DUCT ENCLOSURE