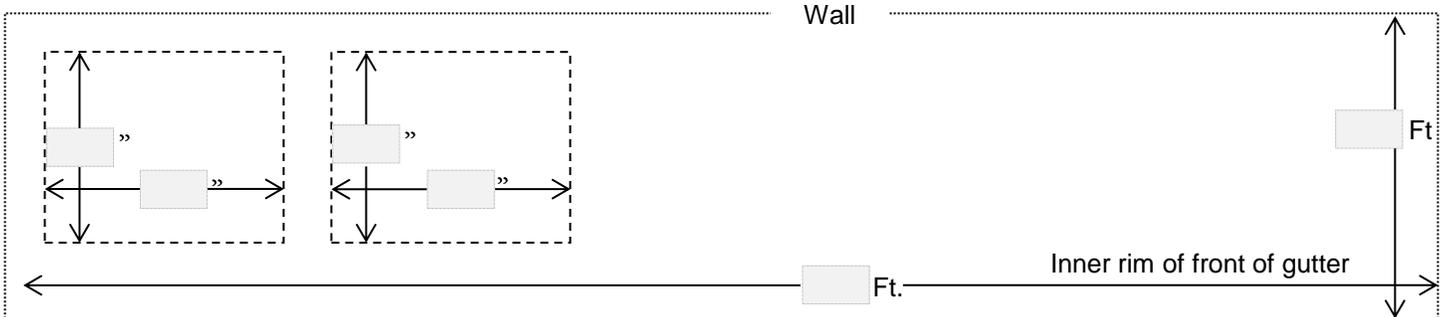


-MECHANICAL EXHAUST VENTILATION-

Provide the following information concerning mechanical exhaust hood and make-up air design.
Plans showing elevated drawing of hood, make-up air, duct elbows & fans, and cooking equipment **must** be provided on a separate plan sheet.

Facility Name: _____ Address: _____
 Prepared By: _____ Company: _____ Date: _____
 Contact Phone No. _____ Email: _____

A. COOKING EQUIPMENT & HOOD *Fill in cooking equipment & hood dimensions in feet in overhead view.*



- Casters & quick disconnects strongly recommended - Specified? Yes No
- Hood long enough to allow $\geq 6"$ on sides of equipment Yes No
- Hood wide enough to allow $\geq 6"$ in front and back of equipment Yes No
- Canopy lip $\geq 6.5'$ above floor and $\leq 4'$ above cooking surface Yes No
- Canopy free of exposed horizontal electrical and Ansul lines Yes No
- Hood Material (e.g., stainless steel, galvanized iron, etc...) Please Specify: _____

B. HOOD TYPE & EXHAUST RATE in CFM

What kind of hood?	<input type="checkbox"/> Type I	<input type="checkbox"/> Type II	<input type="checkbox"/> NSF or UL Listed	Make	Model
Backshelf or Proximity Canopy (Island, double island, wall or corner)	E.g., frying, pizza oven, griddling, charbroiling, etc...	E.g., dishwashing, some baking and steaming, etc...			

Hood Opening: H(_____ ft) x W(_____ ft) = _____ ft² x _____ Q*factor per UMC = _____ **CFM** (min req'd)
 *Note: Unlisted Type 1 canopy hoods must follow UMC formulas for calculating minimum airflow (Q) based on cooking equipment categories. (ie. Low Ex. Q = 75A or 50A; Medium Ex. Q = 100 A; High Ex. Q = 150A; and Solid Fuel Q = 200A or 300A)

Other Formula (Listed Hood): _____ = _____ **CFM** (designed)

C. FILTERS

Type: _____ Manufacturer: _____ Filter Velocity Rating: _____
Required Filter Area = Q (CFM) ÷ Filter Velocity (FPM) = FA ft²

Size H _____ inches x W _____ inches (# of Filters) _____ x Useable filter area _____ sq. ft.
= Total filter area _____ sq. ft.

Required or Designed Exhaust Rate _____ CFM ÷ _____ sq. ft. (total filter area) = _____ **FPM**

Filters, continued...

Baffle filter ideal FPM = 300, FPM between 250-350	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Horizontal slot filter ideal FMP = 1000. FPM between 800-1200	<input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No
FPM can be < or > above if this is a listed hood	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Total of filter widths _____ must be < hood length.	<input type="checkbox"/> Yes	<input type="checkbox"/> No

D. DUCT

Duct dimensions: _____ inches x _____ inches = _____ inches² ÷ 144 = _____ ft²
 - Hood greater than 12 ft long shows more than 1 exhaust outlet to main duct? Yes No N/A

Duct Velocity = _____ CFM ÷ _____ ft² = _____ FPM
 - FPM is between 1500 and 2500 Yes No N/A

E. STATIC PRESSURE & EXHAUST FAN

No. of elbows: _____ Static Pressure(SP): _____ Cleanout at each elbow? Yes No N/A

Exhaust Fan (Manufacturer/Model): _____ HP: _____

UL 762 Restaurant Application Specified for Type I? Yes No Easily pulls CFM at SP? Yes No

F. FILTERED MAKE-UP AIR

Hood Exhaust Total: _____ CFM ÷ 2000 CFM (max per diffuser recommended) = _____ Total No. of Diffusers

Next higher whole number: _____ Diffusers Recommended

Make-Up Air Fan (Manufacturer/Model): _____ HP: _____

Static Pressure (SP): _____ Supplies 95-100% of exhaust CFM at SP?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Make-up air on roof ≥ 10 ft. from exhaust	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Make-up air diffusers ≥ from 10 ft. hood canopy	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Exhaust and Make-up air interlocked	<input type="checkbox"/> Yes	<input type="checkbox"/> No
HVAC integrated with kitchen ventilation	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Exhaust and Make-up air shall be equal for a non-listed hood	<input type="checkbox"/> Yes	<input type="checkbox"/> No
For compensating hoods, Make-up air must be minimum of 80% of the exhaust CFM	<input type="checkbox"/> Yes	<input type="checkbox"/> No
→ If yes, specify source of the remaining make-up air:		