HOOD SYSTEM PLAN REVIEW REQUIREMENTS

In addition to your plan submission, the following will be necessary regarding hood systems:

- Submit 3 sets of plans
- Completed hood worksheet for each hood (attached)
- Outline of hood over cooking equipment
- Clearance around equipment and walls
- Exhaust & makeup air ducts
- Exhaust & makeup air fans on roof tops
- Front and side elevations of cooking equipment, hood overhang, duct elbows, fans
- Type of gauge of metal used in hood ducts
- Hood specification, Type I or Type II and UL listing card, etc.
- Hood manufacturer
- Cooking equipment cut sheets (1 set of cut sheets)
- Make up air fan information

TYPES OF ELEVATIONS:
Fill in cooking equipment & hood dimensions on above layout.

- Casters & quick disconnects strongly recommended. Specified? □ Yes □ No
- Hood long enough to allow > 6” on sides of equipment? □ Yes □ No
- Hood wide enough to allow > 6” in front & back of equipment? □ Yes □ No
- Canopy free of exposed horizontal electrical & Ansul lines? □ Yes □ No

CFM
- What type of hood? □ Type I □ Type II □ Other ________________
- Hood size _______ (L) ft. x _______ (W) ft. = _________ sq. ft. x______ Q factor from UMC = ______ CFM
- Other formula? ____________________________________________ = ______ CFM

FILTERS
- _______”H x _______”W x _______ sq. ft. = _________ sq. ft.
  (filter size) (filters) (usable area per filter) (total filter area)
- _______ CFM / _______ sq. ft. (total filter area) = ______ fpm
- Baffle filter ideal fpm = 300; should be 250-300. □ Yes □ No
- Horizontal slot filter ideal fpm = 1000; should be 800-1200. □ Yes □ No □ n/a
- Fpm can be < or > above if this is a “LISTED” hood. □ Yes □ No
- Total of filter widths (________) must be < hood length. □ Yes □ No

DUCT
- Duct dimensions: _______” x _______” = _______” / 144 = _________ sq. ft.
- Hood > 12 ft. long shows > 1 exhaust outlet to main duct? □ Yes □ No □ n/a
- _______ CFM / _______ sq. ft. = _________ Fpm
- Fpm should ≈ 1800; must = 1500 – 2500 (Type I) Is it? □ Yes □ No □ n/a

STATIC PRESSURE & EXHAUST FAN
- # of elbows ___________ Cleanout at each elbow? □ Yes □ No □ n/a
- Static Pressure ≈ _______” SP
- Exhaust Fan: Make ___________ Model# ___________________ H.P. _________________
- Fan is UL for grease (Type I) □ Yes □ No
- Easily pulls CFM at SP? □ Yes □ No

MAKE-UP AIR
- _______ CFM / 2000 CFM Next higher whole number = _________ diffusers required
  (exhaust) (Max per diffuser)
- Make-up air static pressure ≈ _______” SP
- Make-up air fan: Make ___________ Model# ___________________ H.P. _________________
- Supplies 95-100% of exhaust CFM at SP? □ Yes □ No
- Make-up air on roof > 10 ft. from exhaust? □ Yes □ No
- Diffusers on ceiling > 10 ft. from hood? □ Yes □ No
- Exhaust & make-up air interlocked? □ Yes □ No

Prepared by:

Name ___________________________ Contact # ___________________________ Company ___________________________ Date ___________________________