



NOTES:

1. CONSTRUCTION AND INSTALLATION OF KITCHEN HOOD EXHAUST SYSTEM SHALL CONFORM TO ALL APPLICABLE IMC 2009 AND NFPA 96 CODES FOR COMMERCIAL COOKING OPERATION.
2. DUCT MATERIAL SHALL BE MINIMUM 16 GA CARBON STEEL WITH CONTINUOUS LIQUID TIGHT WELDED JOINTS MADE ON EXTERIOR OF DUCT.
3. SUPPORTS AND BRACING SHALL BE OF NON-COMBUSTIBLE MATERIAL SECURELY FASTENED TO THE STRUCTURE. BOLTS, SCREWS, RIVETS AND OTHER MECHANICAL FASTENERS SHALL NOT PENETRATE DUCT WALL.
4. PRIOR TO USE OR CONCEALING OF ANY PORTION OF THE DUCT SYSTEM A LEAK TEST SHALL BE PERFORMED. A MINIMUM 100 WATT LIGHT BULB SHALL BE PASSED THROUGH THE INTERIOR OF THE DUCT AND VISUALLY INSPECTED FOR LEAKS.
5. INSULATE ALL DUCTWORK AND FITTINGS WITH 3M FIRE BARRIER DUCT WRAP 815+, OR EQUAL TO PROVIDE ZERO CLEARANCE TO COMBUSTIBLES.
6. SLOPE DUCT AT A MINIMUM 2% TOWARDS THE HOOD.
7. COMPLETE PERFORMANCE TEST TO VERIFY EXHAUST AIRFLOW OF 2,100 CFM AS WELL AS VISUALLY VERIFY CONTAINMENT DURING COOKING OPERATIONS OR WITH OTHER MEANS OF STEAM OR SMOKE.
8. CONFIRM WITH OWNER EXHAUST FAN IS LISTED AS UL 762.
9. PROVIDE 18 INCH CLEAR FROM HOOD TO COMBUSTIBLE CEILING TILES.
10. EXHAUST FAN SHALL RUN CONTINUOUSLY WHENEVER GAS-FIRED EQUIPMENT IS OPERATING. GAS AND ELECTRICAL SUPPLY SHALL SHUTDOWN UPON FAILURE OF FAN.
11. PROVIDE PORTABLE FIRE EXTINGUISHER PER NFPA 10 AND UL 300 PRE-PIPED FIRE PROTECTION SYSTEM. ACTIVATION OF THE FIRE SUPPRESSION SHALL ALSO ACTIVATE BUILDING FIRE ALARM.
12. ENSURE A 6 INCH OVERHANG FROM THE EXTENTS OF THE KITCHEN EQUIPMENT BEING SERVED.
13. ADJUST OR BALANCE EXISTING SUPPLY/MAKEUP AIR IF REQUIRED TO PREVENT EXCESSIVE NEGATIVE AIR PRESSURE IN SPACE (BELOW 0.02" WC).

KEYED NOTES:

- ① CAPTIVEAIR 4824 ND-2, 7 FOOT EXHAUST HOOD WITH SS BAFFLE FILTERS, BALANCING DAMPER, AND 3 INCH REAR STANDOFF FOR ZERO CLEARANCE TO COMBUSTIBLES.
- ② 6-BURNER GAS RANGE AND CONVECTION OVEN.
- ③ 12"x12" APPROVED DUCT CLEANOUT DOOR. PROVIDE SIGNAGE "ACCESS PANEL. DO NOT OBSTRUCT."
- ④ BALANCE DUCT FLOW TO 2,100 CFM

DESIGN CALCS:

AIRFLOW: PER NFPA 96-2011 8.2.1.1 MINIMUM AIR VELOCITY THROUGH ANY DUCT SHALL BE 500 FT/MIN
 LARGEST DUCT = 38"x14" (3.7 SF) 500 FPM X 3.7 SF = 1,850 CFM MIN
 CHECK HOOD: PER IMC 2009 507.13.3
 MEDIUM DUTY WALL MOUNTED CANOPY HOOD,
 MINIMUM 300 CFM/LINEAR FOOT: 300 x 7 FT = 2,100 CFM

KITCHEN HOOD SKETCH
 SCALE: 3/16" = 1'-0"



ISSUED FOR PERMIT				LEBEL'S SHEET METAL LEWISTON, MAINE			
TIC TACO KITCHEN HOODS ONE CITY CENTER, PORTLAND, ME				KITCHEN HOOD SKETCH			
REV	DESCRIPTION	DATE	BY	DATE	BY	PROJECT NO.	DRAWING NO.
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DATE: 07/20/15
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