

K2 - Kitchen Ventilation Details Checklist cont'd

No.	Item	Professional's initials signifying project complies (or mark N/A)
1	All cooking equipment producing smoke or grease-laden vapours is under a hood complying with NFPA 96, 2001.	
2	<p>a) Rooftop exhaust is $\geq 10'-0"$ from property lines, including lane or street property lines, discharges $\geq 40"$ above the roof, and the fan housing outlet is $\geq 5'-0"$ horizontally from any combustible structure. [7.8.2]</p> <p>b) Elevations of the building exterior have been provided if there is exterior ductwork.</p> <p>c) The protection around the duct (or clearance) continues up through the roof assembly to 18" above the roof (or reduced height if protection provided in compliance with 4.2.3).</p>	
3	<p>a) Wall exhaust terminations $\geq 10'-0"$ from:</p> <ul style="list-style-type: none"> ▪ combustible construction, including exterior wall cladding ▪ adjacent grade ▪ openings below or to the side ▪ adjacent buildings ▪ neighbouring private property lines ▪ city property lines, if no ecology unit provided <p>The termination is clear from openings per the formula in NFPA 96, 7.8.3 (i.e., approx. $\geq 32'-6"$ above and $\geq 16'-0"$ to the sides) and will be accessible for maintenance (i.e., approx. ≤ 11 ft above grade or a platform [See A.7.8.2.2]). [7.8.3]</p> <p>b) Elevations of the building exterior have been provided if there is exterior ductwork or a horizontal termination.</p> <p>c) The protection around the duct (or clearance) continues through the wall.</p> <p>d) Is an <i>ecology unit</i>¹ provided? yes / no</p> <p>e) For a wall termination, the exhaust flow is directed upward or perpendicularly outward from the wall face. [7.8.3.(4)]</p>	
4	The exhaust is $\geq 10'-0"$ from any air intake and, per 7.8.1, ends outside the building. All requirements of NFPA 96, 7.8.2, 7.8.3 and 7.8.4 are satisfied.	
5	Exhaust ducts (including upstream and downstream of an <i>ecology unit</i>) are steel-welded, liquid-tight and the ducts and their supports are (circle one): [9.3.2] min. 16-gauge carbon steel / min. 18-gauge stainless steel	
6	Exterior portions of ductwork and supports will be (circle one): [7.6.4 and 7.6.5] noncorrosive stainless steel / painted / weather-protection coating, namely: _____	
7	All ducts lead as directly as practical to the exterior of the building and horizontal ducts are substantially pitched back to the hood to drain and collect the grease (min. 2% for horizontal ducts ≤ 75 ft, and min. 8.3% for horizontal ducts > 75 ft). [7.1.2 and 7.8.3.(5); ref. IMC 2003, 506.3.7]	
8	Letter from Strata Council approving of the alterations to the building.	
9	<p>Ducts from different fire compartments are not combined into a single duct or single enclosure. [7.7.5]</p> <p>Hood ducts are not combined with any other building ventilation or exhaust system. [7.1.3]</p> <p>Ducts for a solid fuel appliances' hood are not combined with ducts for gas or other types of fuel.</p>	

¹ Term defined in the 2007 Vancouver Building By-law (VBBL)