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To	<b>Crown International Holdings Pty Ltd</b>	Date	<b>16 April 2012</b>
Attention	<b>Matt Crews</b>	Email	<b>matthewcrews@crowngroup.com.au</b>
From	<b>Gus Nainu</b>	Project No	<b>SYD1204400</b>
Project	<b>Eastlakes Town Centre</b>	No. of pages	<b>1</b>
Subject	<b>Mechanical Ventilation Advice</b>	Copies	<b>Ellen Robertshaw - Don Fox Planning Rahul Butala - Rice Daubney</b>

### **Car Park Ventilation**

The basement car parking levels will be mechanically ventilated in accordance with Australian Standard AS1668.2 – 1991.

Supply air will be drawn in from permanent louvred openings at podium level to dedicated fan rooms and ducted into the car park at high level.

Dedicated exhaust systems will be provided consisting of high level ductwork, droppers, and fan rooms to discharge air above podium level in locations away from any natural ventilation openings.

### **Retail Tenancies**

Food and beverage tenancies will be provided with local mechanical exhaust systems in accordance with Australian Standard AS1668.2 – 1991 and will be dependent on their anticipated cooking processes.

For small food and beverage tenancies where food is reheated (i.e. cafes, bars etc.) there is no specific requirement for local exhaust.

For medium to large food and beverage tenancies where food is cooked (i.e. fryers, ovens, grille plates) and kitchen hoods are required, dedicated exhaust systems will be required. Suitable discharge locations will need to be identified once the tenancies required kitchen exhausts have been identified.

Make up air for the kitchen exhaust will be provided through external vertical louvres along the shop front above the retail tenancies.

### **Mall**

The mall areas are proposed to be naturally ventilated where achievable, with other areas air-conditioned as appropriate (concealed condenser water packaged units). The mall area will have a tempered air environment resulting from spill conditioned air from the adjoining retail tenancies and mixing with ambient air. The internal environment will be consistent with a shaded 'outdoor' feel.

Regards

Gus Nainu  
Principal

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