

26 June 2025

Burwood Tower Holdings Pty Ltd
c/o Burwood Council
Elijah El Khoury

Planning and Development Manager



Mechanical Ventilation Statement

Development Application Number: DA.2021.44

Development Address: 42-50 Railway Parade Burwood NSW 2134

Attention: Elijah,

Basement Hawkers Market consists of a number of general retail tenancies, food & beverage tenancies, mini major tenancies. The potential odour is mainly generated by cooking related process. Commercial kitchen exhaust systems (commercial grade hood with filters and make up air provision) have been proposed to service all food beverage tenancies. Odour is collected locally as it is being produced, as close as practicable to the source of generation, using surroundings, hood, surface mounted exhaust air intake, filters and similar means. The commercial hood has sufficient air flow to effectively capture and convey all convected heat fumes and odour to hood exhaust opening which eventually is discharged at roof level. The separation distance between the odour discharge point and any site boundary, natural ventilation openings (windows and doors), air intakes exceeds 6m which is not only compliant with relevant Australian Standards, but also provides a "buffer" zone to mitigate risk of any future odour nuisance.

Basement Hawker Market is enclosed as "conditioned" space to enhance guests shopping experience and space temperature and CO2 levels are controlled and monitored during trading hours. Filtered outside air is constantly supplied into space via ceiling mounted chilled water Fan Coil Units in the retail shops as well as common circulation area. This constantly supplied outside air will dilute the contamination and remove particulate contaminants from the air. Fan coil units are sized to have sufficient "air change rate" to ensure the adequate ventilation and air quality in the basement Hawker Market is maintained.

Engineering Services	BCA Clause , Standards, Guidelines	Australian Standards	Other
Mechanical Building Services	- NCC 2022 Volume One - BCA Clause E2D12 – Class 7a buildings - BCA Clause F6D6 – Ventilation of rooms - BCA Clause F6D11 – Carparks - BCA Clause F6D12 – Kitchen local exhaust ventilation - AS 1668.1 -2015 The use of ventilation and air conditioning in buildings Part 1 Fire and smoke control in buildings - AS 1668.2 -2012 The use of ventilation of air conditioning in buildings Part 2 Mechanical ventilation in buildings - AIRAH Best Practice Guide commercial kitchen exhaust management	AS 1668.1-2015 AS 1668.2-2012 AS 4254.1-2021 AS 4254.2-2012	

I am an appropriately qualified and competent person in this area and as such can certify that the proposed design and performance of the designated systems will comply with the above standards, codes and best practice. In our opinion the basement Hawker Place's odour impact and ventilation issue has been assessed adequately and considered to be compliant.

James Su

Mechanical Section Manager

BEng (Mechanical)
MIEAust
NSW PRE0000860 (Mechanical)
NSW DEP0002668 (Mechanical)