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**LOT 768, DP1119757, DIGGINGS TERRACE, THREDBO, NSW  
TRAFFIC & WASTE STATEMENT**

**INTRODUCTION**

This statement presents the traffic/parking and waste assessment for the proposed mixed-use development at Lot 768, Dp1119757, Diggings Terrace, Thredbo, NSW.

The project consists of two-storey terraces, two-storey lodges including ground and mezzanine floors carparks.

**PROJECT OUTLINE**

The project consists of 20 carparking spaces distributed as shown below.

1. Ground floor – 9 spaces.
2. Mezzanine floor – 11 spaces inclusive of two spaces dedicated for people with disabilities.

The car parking assessment for the development was carried out against the Australian Standard AS 2890. The parking includes User Class 2 which allows for full opening of doors and is ideal for hotels parking, and User Class 4 for parking for people with disabilities.

**TRAFFIC/PARKING**

**Carpark Dimensions**

The dimensions of the User Class 2 car parking spaces are 2.5 m wide and 5.4 m long as per Australian Standard 2890.1-2004 Parking Facilities, Part 1: Off-street parking (AS 2890.1) Figure 2.2 Layouts for Angle Parking Spaces.

The dimensions of the User Class 4 car parking space and associated shared zone are 2.4 m wide and 5.4 m long as per Australian Standard 2890.6-2009 Parking Facilities, Part 6: Off-street parking for people with disabilities (AS 2890.6) Clause 2.2.1.

Spaces 1-18 are 2.5m wide and 5.4m long and the dedicated disabled parking spaces, 19 and 20 are 2.4m wide and 5.4m long. Please refer to the attached car parking plan in Appendix 1.

All proposed parking spaces dimensions for the development comply with both Australian Standard 2890.1 (2004) and Australian Standard 2890.6 (2009).



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### **Headroom**

Australian Standard 2890.1 (2004) specifies that minimum headroom for carparks should be 2.2m and Australian Standard 2890.6 (2009) specifies that the minimum headroom for carparks for people with disabilities should be 2.5m.

The headroom above Spaces 1-18 is above 2.2m and complies with Australian Standard 2890.1 (2004). The headroom above Spaces 19 and 20 is above 2.5m complies with Australian Standard 2890.6 (2009).

### **Turning Paths**

Due to the limited space between the ground floor carpark and Diggings Terrace, the sightlines for drivers reversing from the carpark are limited and is therefore a safety issue. It is consequently a requirement that parking for ground floor spaces 1-9 be carried out in a reverse direction, as this allows drivers to have better sightlines when they exit the carpark in a forward direction.

Mezzanine spaces 10-20 are setback further from Diggings Terrace, hence sightlines are not an issue. Drivers can comfortably park either in forward or reverse directions.

AutoCAD was used to analyze the turning paths into ground floor and mezzanine spaces. The swept path analysis demonstrates that vehicles can safely turn into spaces 1-9 in reverse direction, and into spaces 11-20 in a forward direction.

The swept paths for each car parking space are attached in Appendix 2.

### **Safety along Diggings Terrace**

The parking movements at the ground floor carpark have the potential of causing traffic hazards along Diggings Terrace resulting in vehicles may falling over the edge across Diggings Terrace. It is therefore a requirement that guardrails be installed on the western corner across Diggings Terrace to ensure safety for both exiting drivers and other road users.

### **WASTE**

Waste management has been assessed by Thredbo Environmental Services. Waste facilities are to be provided in accordance with the attached waste management plan prepared by Thredbo Environmental Services.

Yours faithfully,

*Bernie Cusack*  
*B.Eng. (Civil), MIE Aust CPEng NER RPEQ*  
*Civil Director*  
**for Sellick Consultants Pty Ltd**



## **THREDBO ENVIRONMENTAL SERVICES WHEELED BIN WASTE ENCLOSURE STANDARD**

### **PROPERTY - Lot 768, Diggings Terrace, Thredbo**

It is understood that the proposed building has a planned total of 90 beds spread across 14 Apartments in the one complex and 5 stand-alone buildings and a commercial restaurant and bar with a floor area of some 150m<sup>2</sup>.

The Kosciuszko Thredbo Pty Ltd (KT) waste system uses a combination of 120 / 240 / 660 litre wheeled bins for putrescible waste collection and organics recycling and a poly weave bag system for comingled and paper/carboard recycling.

From an operational perspective, KT requires provision to be made for enough ingress / egress room to wheel bins past any parked cars to the waste collection vehicle(s) which would be parking on the Diggings Terrace road edge. A property this size would be considered a "major" in KT's system and as such would be serviced seven days a week in peak periods.

It may be considered to split the waste facilities into two ends of the property that while making two collection points for KT to service, may assist with the layout and management of the facilities.

KT has developed an average ratio of 1 x 120 litre wheeled bin to six beds for apartment style accommodation and 1 x 660 litre wheeled bins per 50 m<sup>2</sup> for a commercial restaurant based on historical collection figures.

For the proposed restaurant, depending on how the waste enclosure is going to be laid out and internal access, the 660's can be substituted with 240 litre wheeled bins that may work better with the floor space available.

For the proposed restaurant and bar area, provision should be made for a total of 3 x 660's or 7 x 240's. This total includes recyclable material, i.e. only two 660 waste bins (or five 240's) will actually need to be installed with the remaining floor space set up to cater for the polyweave bag recycling system. At some stage in the future, KT may go to a wheeled bin system for recycling, however this is not committed to as yet.

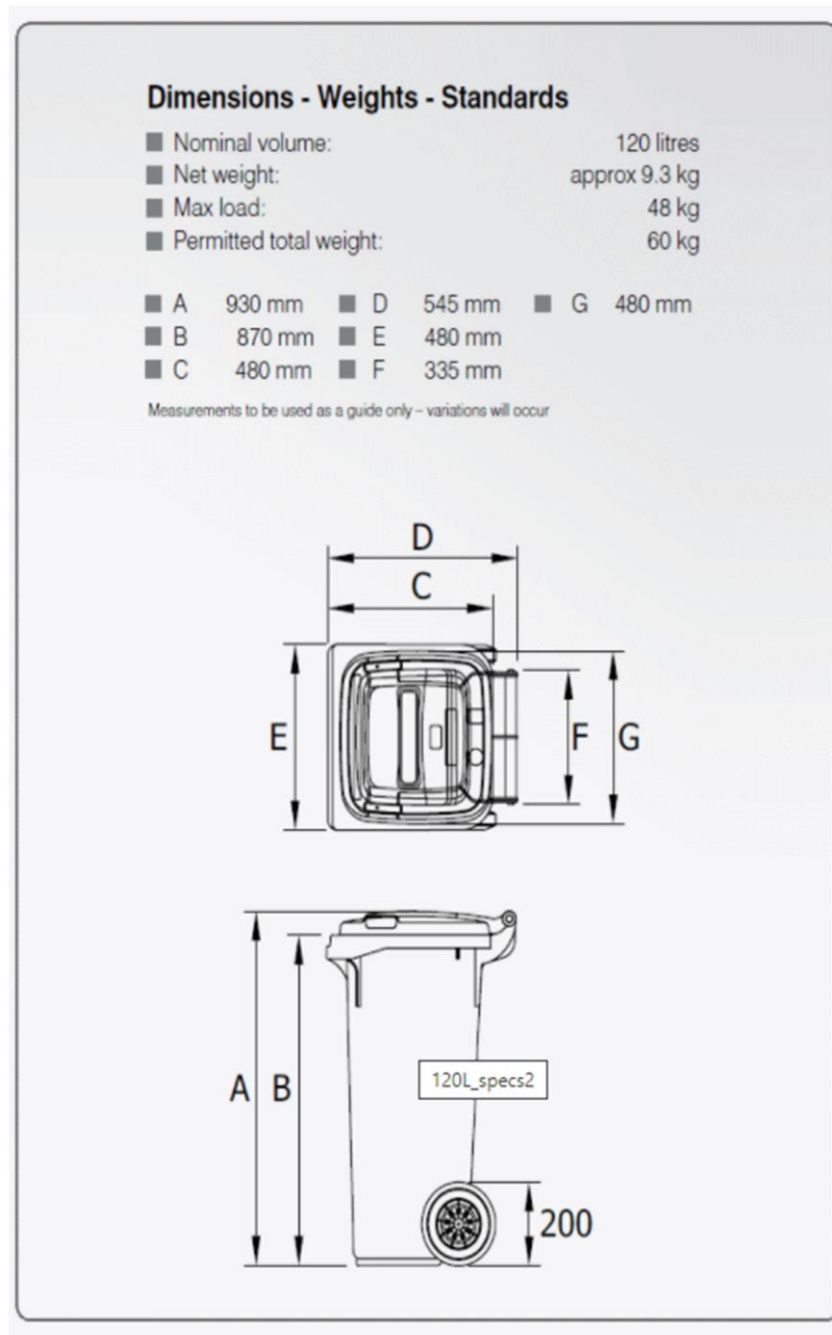
For the proposed Apartments "residents", provision should be made for 15 x 120 litre wheeled bins and a similar principle applies to the residents with regards to floor space for recycling, i.e. only 10 wheeled bins would be installed with the remaining floor space set up to cater for recycling.

We are happy to discuss and please feel free to contact the Thredbo Environmental Services Manager or Property Manager on 02 6459 4100 to discuss.

## THREDBO ENVIRONMENTAL SERVICES WHEELED BIN WASTE ENCLOSURE STANDARD

### STANDARD 120 LITRE MOBILE GARBAGE BIN DIMENSIONS

Allow approximately 100mm clear space either side of the bin plus maneuvering space.



## THREDBO ENVIRONMENTAL SERVICES WHEELED BIN WASTE ENCLOSURE STANDARD

### STANDARD 660 LITRE MOBILE GARBAGE BIN DIMENSIONS

Allow approximately 150mm clear space either side of the bin plus maneuvering space.

#### Dimensions - Weights - Standards

■ Nominal volume:	660 litres
■ Net weight:	43 kg
■ Max. load:	265 kg
■ Permitted total weight:	310 kg

Measurements to be used as a guide only - variations will occur

