

6 February 2012

Brian Stafford
WheelieSafe
PO Box 2015
LOWER SANDY BAY TAS 7005

Dear Brian

WheelieSafe Trolley Strength Assessment

We have assessed the structural design strength of your WheelieSafe trolleys for transporting wheelie bins.

We have found that the design satisfies the requirements of AS4100 structures based on the following conditions:

- The mass-density of the waste within the wheelie bins is $400\text{kg}/\text{m}^3$ or less
- The total load including load due to the weight of the wheelie bins does not exceed 160kg for the frame or 80kg for each side of the frame
- The tilt of the trolley frame from vertical shall not exceed 52 degrees which is the maximum incidence angle calculated based on the waste/handle height of 912mm as specified by you.
- The tube frame wall thickness is 1.6mm, not 1.2mm as shown on some of the drawings you have provided.

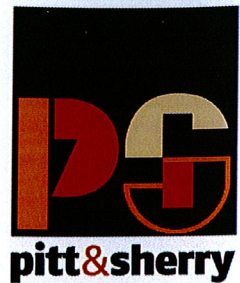
It is noted that the frame is designed to hold 120L and 240L bins, and is intended to have the capability to have multiple bins. In order to satisfy the above conditions, the maximum amount of waste within a 240L bin may have to be reduced to satisfy the 80kg per side of frame limit.

If you have any queries about this certification, please contact Nick Barta on 6210 1486.

Yours sincerely



Barry Neilsen
Principal
Hobart Office



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