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Date

Fax

3 August 2015

Astute Customer Your Company No 1, Your Street Your Town QLD 4000

Dear Sir/Madam

Reference No.: 20150803 Project Name: **Earthquakes and Pallet Racking** Rack Label: **R1**

The structural design of the above selective rack has been carried out by Elbowroom (Aust) Pty Ltd using the Rackman software developed and authorised by Dematic Pty Ltd.

Dematic certify that the design is in accordance with normal engineering practice and principles, and the relevant standards listed below:

- AS/NZS 1170.0:2002 Structural design actions. Part 0: General principles •
- AS/NZS 1170.1:2002 Structural design actions. Part 1: Permanent, imposed and other actions •
- AS 4100:1998 Steel structures, Standards Australia
- AS4084-2012 Steel storage racking, Standards Australia
- AS/NZS 4600:2005 Cold-formed steel structures, Standards Australia.

This certificate is issued on the basis that the approved rack comprises genuine Colby components in new condition, and that the installation is carried out in accordance with Australian Standard AS4084-2012 by an authorised Colby Storage Solutions installer.

Full details of the loads and components that form the basis of the approved structural design are given in Annex A.

This certificate does not create or imply any legal or contractual relationship between Your Company and Dematic Pty Ltd.

Yours sincerely

MClarke

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Annex A — Rack Configuration

Reference No.:	20150803
Project Name:	Earthquakes and Pallet Racking
Rack Label:	R1
Number of bays: Beam clear entry: Beam deflection limit: Sway deflection limit (X): Sway deflection limit (Z): Frame height: Frame depth: RL first horizontal brace: Frame bracing style: Frame configuration: Baseplate type: Upright profile:	8 2590 mm Span/180 Height/200 5475 mm 840 mm 300 mm K-braced Double-sided External RF9019/G450

Bay Load:

6000 kg

Beam Level	Beam RL	Pallets per Compartment	Pallet Mass	Compartment Mass	Beam Profile	Beam Connector	Beam Deflection
1	1800 mm	2	1000 kg	2000 kg	BX10015/AB3825	4TANG/XF400/80	12.9 mm
2	3600 mm	2	1000 kg	2000 kg	BX10015/AB3825	4TANG/XF400/80	12.8 mm
3	5400 mm	2	1000 kg	2000 kg	BX10015/AB3825	4TANG/XF400/80	13.5 mm

For the above specification of components and loads, the structural design is *acceptable*.

Authenticity Code: 717765