



CONSTRUCTION CONTROL INC.
ENGINEERS AND BUILDING SCIENTISTS

70 HAIST AVENUE
WOODBRIIDGE, ONTARIO
CANADA L4L 5V4
TEL: 905 856-5200
TOLL FREE 1-888-348-8991
FAX: 905 856-1455
constructioncontrol.com

July 5, 2002

KAD Fabrication Inc.
180 Jardin Drive, Units 3&4
Concord, ON L4K 1X8

Attention: Mr. Frank Formosi

Dear Sir:

Re: 4' x 8' Deck Test
Our Reference No. 99-7172

As per your request, a test was started on June 24 and completed on July 4, 2002 on the 4' x 8' deck by Ultrastage and witnessed by Domenic Cugliari, P.Eng. of Construction Control Inc. to determine allowable capacity.

Deck consisted of two (2) end aluminum extrusions, two (2) side aluminum extrusions and interior aluminum HSS 2" x 3" x 3/16" member at mid-span connected to end 4 foot long aluminum extrusions c/w vinyl deck secured to members (refer to enclosed sketches A, B, C and D for deck details).

Deck was loaded uniformly using concrete blocks. Deflection and corresponding loads were measured and noted.

Test Results (refer to enclosed photographs)

UDL Load	Actual Load	Deflection	Remarks
100 psf	3200 lbs.	10.5mm	No structural damage noted
125 psf	4000 lbs.	12.0mm	No structural damage noted
150 psf	4800 lbs.	13.5mm	No structural damage noted
255 psf	8160 lbs.	19.5mm	Deflection is no longer linear, indicating permanent deformation is starting.
300 psf	9619 lbs.	22.5mm	Deflection is no longer linear, indicating permanent deformation is starting.

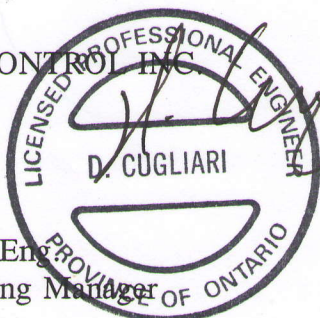
Conclusion

Test indicates that 4' x 8' deck by Ultrastage with interior aluminum member, can safely support a uniformly distributed load of 150 psf with a safety factor of 2:1 minimum.

We trust this meets your approval.

Yours truly,

CONSTRUCTION CONTROL INC.



Domenic Cugliari, P.Eng.
Shoring and Scaffolding Manager

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