Kee Industrial Products, Inc.
100 Stradtman Street
Buffalo, NY 14206
Attn: Mr. Pavel Tretyakov

SUBJECT: Testing of Roof Top Railing System

REFERENCES: 1607.7.1 of the Building Code of NYS (International Code Council),
Loads on handrails and Guards

ATTACHMENTS: Photographs, 2 Sheets, with Figure 4 and Test Results
Calibration Certificate for Dillon Dynamometer, by Quality Inspection
Services, dated 9/5/04, traceable to NIST

Dear Mr. Tretyakov:
Testing was conducted on 9/27/04 for your KeeGuard Contractor Fall Protection system shown
in Figure 4 and the photographs. The tests simulated a loading of 50 # / lineal foot specified in
the referenced document. The configuration was tested in both directions shown in Figure 4.

In addition, two test pulls were made with a point load to failure, as shown in Figure 4.

When loaded gradually at 50 # / ft., the system slid on the black top parking lot at 400# in one
direction and 450# in the other direction. Please see Figure 4. The force was distributed over
eight (8) feet as shown in Figure 4 and the photographs. The system, therefore, withstood 50#
per lineal foot in both directions as specified in the referenced document. The test pulls with a
point load resulted in 250# each, as shown in Figure 4.

Sincerely,

William Klementowski

Brendan Smith, CWI
QIS Inspector
JOB DESCRIPTION
QIS Tests at Kee Industrial
100 Stradtman Street
Buffalo, NY

Professional Eng Services
Bill Klementowski, P.E.
271 Patrice Terrace
Williamsville, NY 14221
(716) 633-6353

PHOTO NO. 9645
BY WTK
DESCRIPTION
Test configuration. See Figure 4

PHOTO NO. 9648
DESCRIPTION Side view

PHOTO NO. 9647
DESCRIPTION Base

Qiskee8.pht
3D DESCRIPTION

[S Tests at Kee Industrial
10 Stradtman Street
Buffalo, NY

Professional Eng Services
II Klementowski, P.E.
1 Patrice Terrace
Williamsville, NY 14221
16) 633-6353

IOTO NO. 9646
Y WTK
ESRIPTION
ose up of Base
200-8, 95#

STATE OF NEW YORK
WILLIAM T. KLEMENTOWSKI
P. E.
10 Stradtman Street
Buffalo, NY

TOP VIEW
(11/2" = 1'-0"

1/2" DIA SCH 40 PIPE

5'

2 1/2'

8'

21.5"

44"

Figur

1 or 2 250# LOAD @
TOP RAIL, POINT LOAD

1
2 250#

4 250#

8'

DISTRIBUTED LOAD (TOP RAIL)

DISTRIBUTED LOAD (TOP RAIL)

Qiskce9.ppt
Quality Inspection Services, Inc.  
Materials Testing Division  
401 William Gaither Pkwy • Suite 5 • Buffalo, New York 14215  
(716) 831-1404 • Fax (716) 831-1408  
Visit Us At: www.qisi.com E-Mail: Buffalo@qisi.com

Load Indicating Device  
CALIBRATION CERTIFICATE

Customer: Q.I.S.I  
S/N: Q-0042  
Manufacturer: Dillon

<table>
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<th>Load Applied (lb)</th>
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<th>As Left Readings</th>
<th>+ Or - Error</th>
<th>Percent of Error</th>
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Results: Acceptable  
Remarks:  
Date of Calibration: 9/9/04  
Calibration Due Date: 9/9/05  
Lab #: 65 - 1702

Michael Dolinsky  
Quality Inspection Services  
Materials Testing Laboratory

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Garnerville, New York 10923  
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