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

SUBJECT: Testing of Roof Top Railing System

REFERENCES: 1. 1607.7.1 of the Building Code of NYS (International Code Council), Loads on handrails and Guards

ATTACHMENTS: Photographs, 2 Sheets
Figure 2 Test Configuration and 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 Fall Protection system shown in Figure 2 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 2.

When loaded gradually, the system slid on the black top parking lot at 400# in one direction and 400# in the other direction of probable use. Please see Figure 2. The force was distributed over eight (8) feet as shown in Figure 2 and the photographs. The system, therefore, withstood 50# per lineal foot in both directions as specified in the referenced document.

Sincerely,

William Klementowski

Brendan Smith, CWI
QIS Inspector
FIGURE 2

SCALE: \( \frac{1}{4}" = 1'-0" \)

TOP VIEW
TEST CONFIGURATION
FOR
TEST LOAD DISTRIBUTION

LIFT WEIGHTS @ 250#
SLIDE @ 400#

LIFT WEIGHTS @ M/A
SLIDE @ 400#
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. 9638
BY WTK
DESCRIPTION Test Setup for Roof Top Railing System. See Figure 2

PHOTO NO. 9622
BY WTK
DESCRIPTION Base weight

PHOTO NO. 9635
BY WTK
DESCRIPTION Test configuration for Dilon Dynamometer
JOB DESCRIPTION
QIS Tests at Kee Industrial
100 Stratman Street
Buffalo, NY

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

PHOTO NO. 969634
BY WTK
DESCRIPTION Test pulling into weights

PHOTO NO. 9636
BY WTK
DESCRIPTION Test pulling away from weights

PHOTO NO. 9620
BY WTK
DESCRIPTION Dillon Dynamometer

Qiskee4.pht
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Materials Testing Division
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(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

P.O. Number: N/A
Range: 0-5000 lb

Equipment Used: Universal Testing Machine
Serial Number: 88355
Manufacturer: Tinius Olsen
Calibration Due Date: 10/16/04
Range: 0 – 400k
Traceable to the National Institute of Standards and Technology

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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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