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 (6)
Figure 1 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 1 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 1.

When loaded gradually, the system slid on the black top parking lot at 350# in one direction and 400# in the other direction of probable use. Please see Figure 1. The force was distributed over eight (8) feet as shown in Figure 1 and the photographs. The system, therefore, withstood 50# per lineal foot specified in the referenced document in one of two directions.

Sincerely,

[Signature]

William Klementowski

[Signature]

Brendan Smith, CWI
QIS Inspector
FIGURE I

31'-3"  6'-6"  6'-6"  31'-3"

Kee Guard Bases

2" O.D. SCH 40 STEEL PIPE

TOP VIEW - TEST CONFIGURATION
FOR TEST LOAD DISTRIBUTION

LIFT WEIGHTS AT 350 lb
SLIDE @ 350 lb

(LOAD CENTERED)

LIFT WEIGHTS AT 350 lb
SLIDE AT 400 lb

(LOAD CENTERED)
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. 9625
BY WTK
DESCRIPTION Test Setup for Roof Top Railing System. See Figure 1

PHOTO NO. 9622
BY WTK
DESCRIPTION Base weight

PHOTO NO. 9635
BY WTK
DESCRIPTION Test configuration for Dilon Dynamometer

qiskee3.pht
JOB DESCRIPTION
QIS Tests at Kcc Industrial
100 Stradtman Street
Buffalo, NY

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

PHOTO NO. 4338
BY WTK
DESCRIPTION
Test pulling into weights.
See Figure 2

PHOTO NO. 9620
BY WTK
DESCRIPTION Dillon Dynamometer
Quality Inspection Services, Inc.
Materials Testing Division
401 William Gaiter 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  
P.O. Number: N/A
S/N: Q-0042  
Range: 0-5000 lb
Manufacturer: Dillon  
Serial Number: 88355

Equipment Used: Universal Testing Machine
Manufacturer: Tinius Olsen
Range: 0 – 400k
Calibration Due Date: 10/16/04
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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