

Professional Engineering Services



Bill Klementowski, P.E.
271 Patrice Terrace
Williamsville, NY 14221
(716) 633-6353 fax: 633-5176

Rev. A 4/28/05

November 1, 2004

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 Dilon 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,



William Klementowski

Brendan Smith, CWI
QIS Inspector

Professional Engineering Services

Bill Klementowski, P.E.

271 Patrice Terrace

Williamsville, NY 14221

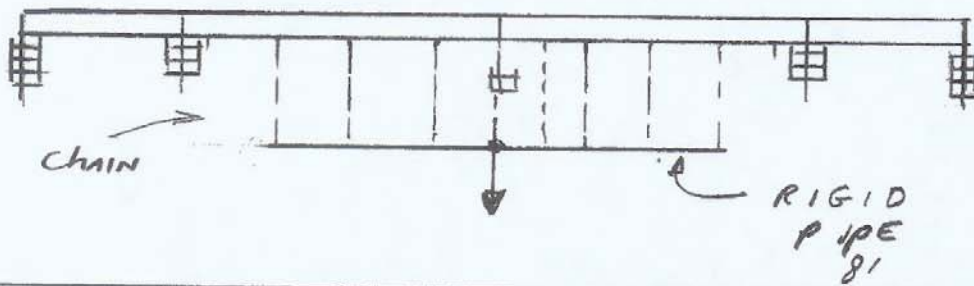
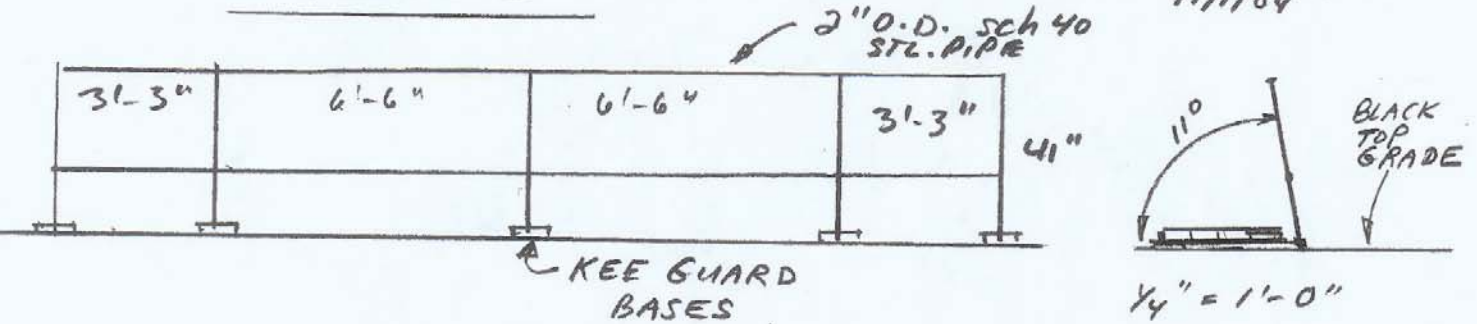
(716) 633-6353 fax: 633-5176

KEE INDUSTRIAL
PRODUCTS, INC
100 STRADTMAN
BUFFALO, NY
111104

PES



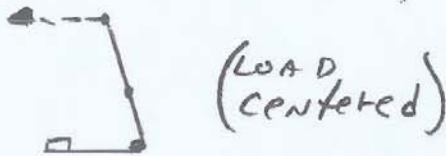
FIGURE I



TOP VIEW -
TEST CONFIGURATION
FOR
TEST LOAD
DISTRIBUTION



LIFT weights AT 350#
SLIDE @ 350#



LIFT weights AT 350#
SLIDE AT 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. 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



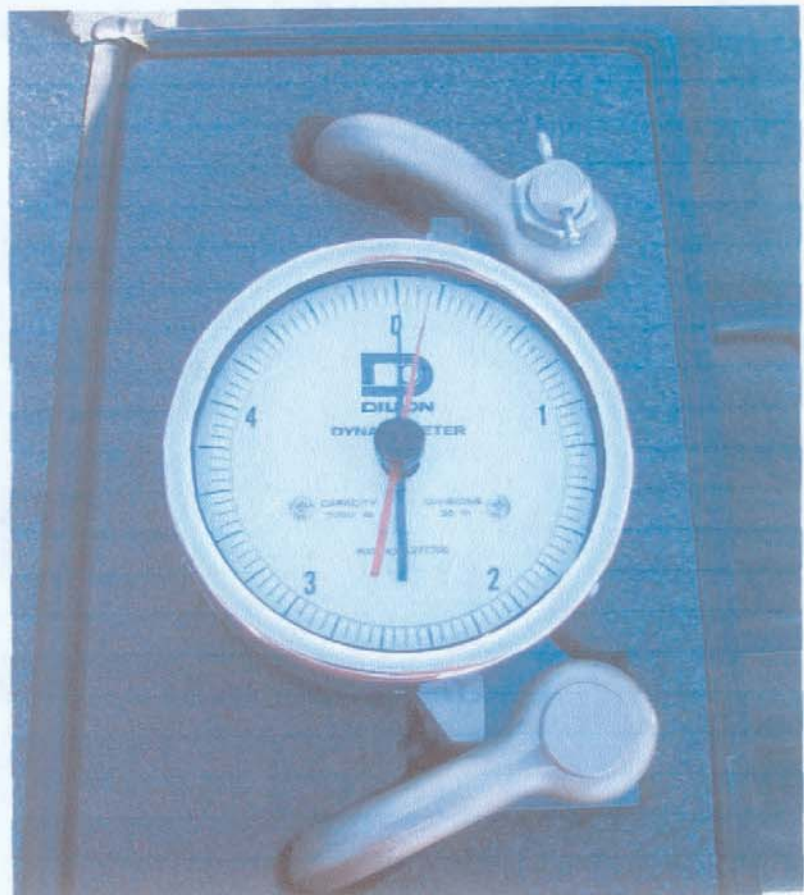
JOB DESCRIPTION
QIS Tests at Kee Industrial
100 Stradtman Street
Buffalo, NY

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

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



PHOTO NO. 9620
BY WTK
DESCRIPTION Dillon Dynamometer



Qiskee6.pht



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

S/N: Q-0042

Manufacturer: Dillon

P.O. Number: N/A

Range: 0-5000 lb

Equipment Used: Universal Testing Machine

Serial Number: 88355

Manufacturer: Timius Olsen
Range: 0 - 400k

Calibration Due Date: 10/16/04

Traceable to the National Institute of Standards and Technology

| Load Applied (lb) | As Found Readings | As Left Readings | + Or - Error | Percent of Error |
|-------------------|-------------------|------------------|--------------|------------------|
| 100 | 100 | 100 | 0 | 0 |
| 200 | 200 | 200 | 0 | 0 |
| 500 | 500 | 500 | 0 | 0 |
| 1000 | 1000 | 1000 | 0 | 0 |
| 2000 | 2000 | 2000 | 0 | 0 |
| 3000 | 3000 | 3000 | 0 | 0 |
| 4500 | 4500 | 4500 | 0 | 0 |

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



Sustaining Member



2004 Edison Avenue
Jacksonville, Florida 32204
(904) 359-0747 * Fax (904) 359-0771
Toll Free (800) 927-3575

318 North Morrison Street
Warren, Pennsylvania 16365
(814) 726-1988 * Fax: (814) 726-7850

P. O. Box 352
Garnerville, New York 10923
(845) 429-2000

401 William Gaiter Pkwy, Suite 5
Buffalo, New York 14215
(716) 831-1404 * Fax (716) 831-1408

186 Warwick Ave.
Buffalo, New York 14215
(716) 836-0131 * Fax (716) 836-9608

6730 Myers Road
East Syracuse, New York 13057
(315) 431-4291 * Fax (315) 431-4292

1576 Sweet Home Road
Amherst, New York 14228
(716) 568-0154 * Fax: (716) 636-5921

For Full Satisfaction - Think Quality