



# Listing Report

---



ITS

Intertek Testing Services

# TEST REPORT

**Intertek** ETL SEMKO

**REPORT NUMBER: 3131613-01**  
ORIGINAL ISSUE DATE: September 17, 2007

**EVALUATION CENTER**  
Intertek Testing Services NA Inc.  
8431 Murphy Drive  
Middleton, WI 53562

**RENDERED TO**  
  
**TRACHTE BUILDING SYSTEMS INC**  
**314 WILBURN ROAD**  
**SUN PRAIRE, WI 53590**

PRODUCT EVALUATED: 944 Rolling steel Doors  
EVALUATION PROPERTY: ASTM E330-02

*This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to copy or distribute this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.*

### INTRODUCTION

This report gives the results of the evaluation of the provided sample (Job #3131613). The test results described in this report are limited to the submitted items. On September 7 and 10, 2007 Intertek conducted tests of 2 Model 944 Rolling Steel Doors at the Intertek Middleton, Wisconsin facility. The tests conducted are listed in the procedure section. Test results apply to measurement uncertainties of +/- 0.5 PSF, and +/- 1/16" with 95% confidence level, using Omega Pressure Transducer (WHI #553) and a tape measure. Hold times were measured using a timer (WHI #674) with an accuracy of +/- 0.001% over a 23 hour period.

### SPECIMEN DESCRIPTION

General- The sample under evaluation was a live axle vertically rolling steel door- door axle rotates in bracket during operation. The finished opening size of the assemblies are listed in the results section.

Curtain- Roll-formed 26 gauge Grade 80 galvanized steel

Door Guides- 18 gauge roll formed zinc coated steel with polypropylene guide runners

Spring Assembly- Helical torsion

Axle- 1 5/16" O.D. structural steel tubing

Lock- 13 gauge carbon steel slide lock with Trac-Rite Space Guard Latch

Door Brackets- 12 gauge cold formed zinc coated steel

Bottom Assembly- 22 gauge galvanized steel

Drums- 18 gauge zinc coated steel (9 5/8" diameter x 1 1/4" wide)

Door Stops- 12 gauge zinc coated steel

Mounting Fasteners- Door Brackets: 5/16" x 1 5/8" wood screw  
Door Guides: #14 by 1 1/2" wood screws

Drawings are on file at Intertek.

INTERTEK TEST REPORT #3 131613-01  
MODEL: 944 ROLLING STEEL DOORS  
CLIENT: TRACHTE BUILDING SYSTEMS  
TEST DATES: SEPTEMBER 7 AND 10, 2007

STRUCTURAL PERFORMANCE TESTS

pp 3/4

PROCEDURE

The unit was installed in accordance with the manufacturers instructions in a test buck constructed of 2 x 12 lumber, and 2 x 8 lumber, built with a rough opening of dimensions specified by the manufacturer. The following tests were conducted on the assembly:

Structural Performance under Uniform Load per ASTM E 330 at various test pressures.  
Deflection measurements were taken at a single point in the center of the assembly.

All directional references such as left and right are from the view point of a person facing the interior side of the specimen. Area dimensions are given as (width) by (height).

RESULTS

**Sample #1 (Model 944 Size 11' by 7')**

| LOAD<br>(PSF) | HOLD TIME<br>(SEC) | DEFLECTION<br>(INCHES) | PERMANENT SET<br>(INCHES) |
|---------------|--------------------|------------------------|---------------------------|
| +10           | 10                 | 5-1/2                  | <1/8                      |
| +14           | 40                 | 7-3/4                  | <1/8                      |
| +21           | 10                 | 10-1/4                 | 1/4                       |
| -11           | 10                 | 5-5/8                  | <1/8                      |
| -16           | 40                 | 7-5/8                  | 1/8                       |
| -24           | 10                 | 11-1/8                 | 3/8                       |

INTERTEK TEST REPORT #3 131613-01  
MODEL: 944 ROLLING STEEL DOORS  
CLIENT: TRACHTE BUILDING SYSTEMS  
TEST DATES: SEPTEMBER 7 AND 10, 2007

STRUCTURAL PERFORMANCE TESTS

pp 4/4

**Sample #2 (Model 944 Size 9' by 7')**

| LOAD<br>(PSF) | HOLD TIME<br>(SEC) | DEFLECTION<br>(INCHES) | PERMANENT SET<br>(INCHES) |
|---------------|--------------------|------------------------|---------------------------|
| +13.5         | 10                 | 3-3/4                  | 1/8                       |
| +20           | 40                 | 6-1/4                  | 1/4                       |
| +30           | 10                 | 9-3/4                  | 1/2                       |
| -15           | 10                 | 2-7/8                  | <1/8                      |
| -22           | 40                 | 5                      | 1/8                       |
| -33           | 10                 | 10-1/4                 | 1/2                       |

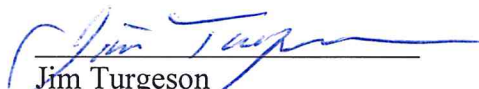
CONCLUSIONS

The samples under evaluation sustained loads as listed above when tested in accordance with ASTM E330.

Reported by:

  
\_\_\_\_\_  
Russ Burt  
Associate Engineer

Report Reviewed by:

  
\_\_\_\_\_  
Jim Turgeson  
Project Manager

Tests witnessed by:

Mr. Jeremy Beck- Trachte Building Systems Inc.

