



NATIONAL CERTIFIED TESTING LABORATORIES

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SECURITY SCREEN PERFORMANCE TEST REPORT

Report No: NCTL-110-7870-4
Test Date: 10/15/01
Report Date: 10/23/01
Expiration Date: 10/31/05

Client: Rusco Manufacturing, Ltd.
20 Lowellville Road, Box 87
Struthers, OH 44471

Test Specimen: Rusco Manufacturing, Ltd.'s Series "4300" Operable Steel Security Screen
(Medium Class).

Test Specification: ANSI/SMA 6001-90 "American National Standard Specifications for Metal Protection Screens".

TEST SPECIMEN DESCRIPTION

The test specimen was an operable steel security screen measuring 3'0" wide by 5'0" high overall. The vent measured 33" wide by 28-3/8" high. Frame members were 0.070" thick steel. The vent members were 0.030" thick steel. Vent corners were of welded mitered type corner construction. A piano hinge was employed at the vent. The vent employed a spring loaded pin type lock at each end of the vent bottom rail. The specimen employed a stainless steel 12x12 mesh 0.028" diameter, 800 lb. tensile strength screen held in place by 0.047" thick steel retaining bars with screws on 4" centers. The frame was held to the test buck with screws on 15" centers.

TEST RESULTS

<u>Paragraph No.</u>	<u>Title Of Test</u>	<u>Measured</u>	<u>Allowed</u>
4.2.4.1	Impact Test 50 ft-lbs.		Meets as Stated
4.2.4.2	Sag Test 60 lbs.		Meets as Stated
4.2.4.3	Forced Entry Resistance Test Load A & B (75 lbf, 150 lbf) Load B & C (150 lbf, 75 lbf)		Meets as Stated Meets as Stated

TEST COMPLETED 10/15/01

This test specimen meets the performance requirements for the Medium Type in the ANSI/SMA 6001-90 specification.

Detailed drawings were available for laboratory records and compared to the test specimen at the time of this report. a copy of this report along with representative sections of the test specimen will be retained by NCTL for a period of four (4) years. The results obtained apply only to the specimen tested.

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