



NATIONAL CERTIFIED TESTING LABORATORIES

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SECURITY SCREEN PERFORMANCE TEST REPORT

NCTL-110-25387-1

RENDERED TO:

HARMONY SECURITY PRODUCTS, INC.
20 CHURCH ROAD
EMIGSVILLE, PA 17318

Model/Series: "500"

**Specimen Type: Fixed Security Screen
(Medium Performance Class)**

Report Date: 08/18/22



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SECURITY SCREEN PERFORMANCE TEST REPORT

Report Number NCTL-110-25387-1
Report Date 08/18/22
Report To Harmony Security Products, Inc.
20 Church Road
Emigsville, PA 17318
Test Date 08/05/22
Specimen: Harmony Security Products "500" Fixed Security Screen (Medium Performance Class)
Test Specification: SMA 6001-02 (R2013), "Specifications for Metal Protection Screens" Paragraphs 4.3 and 5.

Description of Sample Tested

Note: All dimensions are in the order (Width x Height x Thickness) unless otherwise noted.

Model/Type: "500"
Configuration Fixed Security Screen
Frame Size 914 mm (36") wide by 1524 mm (60") high
Frame Type Extruded aluminum
Joint Construction Frame
Mitered with screw in place metal corner keys
Horizontal Brace Bar
Fastened to the jambs with a metal mounting lug fastened with (1) screw to the jambs
Infill Components 10-10 x 0.035 SST wire mesh 42% opening
Infill Attachment The screen was attached to the frame and brace bar through the cover plate with (1) #8 x 12.7 mm (0.5") hex head screw located 25.4 mm (1") from each end and 102 mm (4") on center thereafter.
Weatherstrip No weatherseals employed
Operating Hardware No operating hardware employed
Auxiliary No auxiliary items employed
Reinforcement No reinforcement employed

Weep Description	No apparent weeps employed
Interior Surface Finish	White and black painted aluminum
Exterior Surface Finish	White painted aluminum
Sealant	No apparent sealant applied
Installation Method	The screen was installed in a 51 mm x 152 mm (2" x 6") spruce-pine-fir lumber test buck and fastened through each pre punched hole on the frame with (1) #6 x 15.88 mm (0.625") dry wall screw

TEST RESULTS - SMA 6001-02 (R2013)

<u>Paragraph No.</u>	<u>Title Of Test</u>	<u>Result</u>	<u>Allowed</u>
4.3.1	Impact Test (Medium) 50 ft-lbf.	Pass	Meets as Stated

Tests performed in accordance with Paragraph 5.3 with any deviations noted. After impact there was no tearing of the screen material from the frame. During loading, locking devices remained engaged, removable from the sub-frame (where applicable) and operable.

This test report was prepared by National Certified Testing Laboratory (NCTL), for the exclusive use of the above named client and it does not constitute certification of this product. The results are for that particular specimen tested and does not imply the quality of similar or identical products manufactured or installed from specifications identical to the tested product. NCTL is a testing lab and assumes that all information provided by the client is accurate and does not guarantee or warranty any product tested or installed.

Detailed drawings were available for laboratory records and compared to the test specimen at the time of this report. A list of the component drawings reviewed for product verification is included as an appendix to this report. A copy of this report along with representative sections of the test specimen will be retained by NCTL. This report does not constitute certification or approval of the product, which may only be granted by a certification program validator or recognized approval entity. All tests were conducted in compliance with the referenced specifications. This report may not be reproduced, except in full, without the written consent of NCTL. All tests were conducted in compliance with SMA 6001 requirements.

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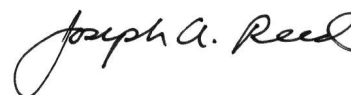


Justin L. Bupp
Laboratory Manager

JLB/bnr



Joseph A. Reed, PE
Engineering Services

APPENDIX A

Section 1:

Component Drawings, with Applicable Part Numbers, Manufacturing and Modeling Details, were reviewed (as submitted) for Product Verification
(Reference: NCTL-110-25387-1)

See Attached Documentation;
any deviations noted.

Note: The above referenced component drawings along with representative sections of the test specimen will be retained per procedure by NCTL. This testing facility assumes that all information provided by the client is accurate.

Section 2:

<u>Identification</u>	<u>Date</u>	<u>Page & Revision</u>
Original Issue	08/18/22	Not Applicable