



File No. SV16643, Project No. 06CA64532

January 11, 2007

SCOPE OF INVESTIGATION

This Report covers commercial testing of Bracket models #41-12, #81-12, #766-12 and Standard models #40-4, #44-4, #700-4 per ANSI A156.16 section 4.20 test for Shelf and Brackets.

In no event shall UL be responsible to anyone for whatever use or non-use is made of the information contained in this Report and in no event shall UL, its employees or its agents, incur any obligations or liability for damages, including, but not limited to consequential damages arising out of or in connection with the use or inability to use the information contained in this Report.

Information conveyed by this Report relates only to the specimens actually involved in this test. UL has not established a factory Follow-up Service Program to determine the conformance of subsequently produced material, nor has any provision been established to apply any registered mark of UL to such material.

The issuance of this Report in no way implies Listing, Classification or Recognition by UL and does not authorize the use of UL Listing, Classification or Recognition Marks or any other reference to UL on or in connection with the product or system.

The samples were provided by Reeve Store Equipment Co. Underwriters Laboratories Inc. neither selected the samples nor determined whether they were representative of the finished assembly. The results indicated in this report apply only to the samples tested.

Applicant:

Testing Laboratory:

Reeve Store Equipment Co.
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Pico Rivera, CA 90660
United States

Underwriters Laboratories Inc.
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Best Regards,

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METHOD

The shelf and supports were mounted on a solid wood or dry wall using the maximum distance between supports and the size and material type fasteners recommended by the manufacturer. (Brackets were mounted 16" apart.)

A static load based on the shelf depth in the table below, was gradually applied along the length of the centerline of the shelf, equally distributed.

Shelf Depth	Load/Foot of Length – lbf.
inches	
4 to 6	75
+6 to 9	94
+9 to 12	112
+12 to 16	135
+16 to 20	157

Note: A slight deviation from the standard was made. Circular plates and weight bags were used for applying the load, as weight plates measuring 3.5 x 3.5 x 1 in were not available.

After the static load was on shelf for five minutes, without removing the load, a 20 lbf-in impact load was applied at the center of the shelf by dropping a 4 lb weight 5 in.

After the impact load was applied and without removing the static load, the deflection of the shelf over the supports was measured.

Results:

Standard and Bracket	Shelf Depth (in)	Load/Foot of length(lbf)	Collapsed after impact load? (Y/N)	Average Deflection (deg)
#40-4 & #41-12	12.5 in	135	N	< 3 deg.
#44-4 & #81-12	12.5 in	135	N	0
#700-4 & #766-12	12.5 in	135	N	0

The shelves and brackets **did not** collapse after impact load was applied.

The average measurement of deflection **did not** exceed 3 degrees for any model.

Type Examination Certificate

Certificate Number: 06CA64532
Issue Date: Jan-11-2007

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UL COMMERCIAL INSPECTION AND TESTING SERVICES (CITS)

Test results apply only to the sample(s) actually tested by Underwriters Laboratories Inc. ("UL")

Product: Standards and Brackets

Tests/Inspection Requested By: Mr. Robert Frackelton

Manufacturer: Reeve Store Equipment Co.

Model/Type/Serial Ref: #40-4 Standard & #41-12 Bracket
#44-4 Standard & #81-12 Bracket
#700-4 Standard & #766-12 Bracket

UL has determined that the sample(s) test witnessed/inspected conform with the requirements of the Standard(s) indicated on this Certificate

Standard(s): ANSI A156.16 Section 4.20

The client provided all of the test samples for testing witnessing by UL. UL did not select the samples or determine whether the samples provided were representative of other manufactured products. UL has not established Follow-Up Service or other surveillance of the product. UL's name and marks shall not be used on or in conjunction with the product. The client and or manufacturer are solely and fully responsible for conformity of all products to all applicable standards, specifications or requirements. The test results may not be used, in whole or in part, in any other document without UL's prior written approval.

Issued By:

A handwritten signature in black ink, appearing to read 'Matt Overbee', is written over a light gray background.

Matt Overbee
Commercial Inspection & Testing Services
(CITS)
Underwriters Laboratories Inc