



Farabaugh Engineering and Testing Inc.

Project No. T363-12A
Report Date: December 3, 2012
No. Pages: 8 (inclusive)

TEST REPORT:

Load Testing of One (1) Style Elcoma Metal Fabricating
Model #60/#61 Series Folding shower seat (with legs)

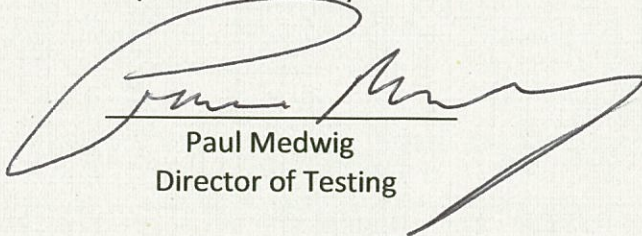
REPORT TO:

Elcoma Metal Fabricating
521 Lawrence Rd. N.E.
Canton, OH 44704

ATTENTION:

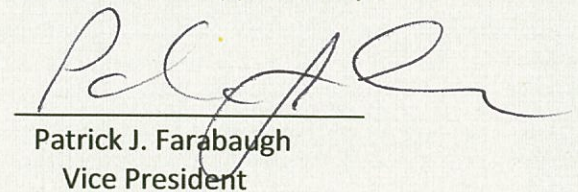
Mr. Charles Robertson

Report Prepared By:

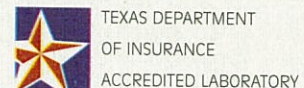


Paul Medwig
Director of Testing

Reviewed and Approved By:



Patrick J. Farabaugh
Vice President



SCOPE OF SERVICES

General

On October 26, 2012, Farabaugh Engineering and Testing Inc. (FET) received one (1) shower seat with legs, identified below; from Elcoma Metal Fabricating for the purpose of load testing. Testing was performed November 27, 2012.

Sample Identification

Elcoma Metal Fabricating, Folding Shower Seat (with legs) model No. 61-PA-3201LEG
(See attached Appendix I Specification Sheet).

Test Equipment Used

Rice Lake, 0-20,000 LB. Zee Load cell, S/N #A71197
Scale Systems, Digital Readout, S/N #543982
Westward, 24" Digital Calipers, S/N #00289
Fowler, Micrometers, S/N #52-222-001
25' Tape, S/N #FETCTP1

Test Procedure

The Shower seat was installed on a test frame (See attached photos pg.3) and anchored on both ends through 0.250" metal using three (3) ¼" X 1 ¼" stainless steel bolts (See attached photos pg.5). A 15"wide X 15"wide X ½"thick plate was then placed on the center of the seat (See attached photo pg. 5). A hydraulic jack and a load cell were then used to apply the loads, and also to monitor the loads applied (see attached photos pg.3). A load was then applied in 100 Lb. increments until 1,000 Lbs was achieved and then held for a period of ½ hour. The Load was the increased in 100 Lb increments until failure occurred.

Results

LOADS APPLIED: 1,000Lbs., Held for 30 minutes.

4,890Lbs., Right and Left front cylindrical seat support tubes started to Buckle.
(See attached photos pg. 6).



TEST SET-UP



APPLIED LOAD (1,000 lbs)



ANCHORING (1/4"X 1 1/4" Stainless steel bolts)



FAILURE POINT (4,890 Lbs.)

Appendix I Specification Sheet



Configuration 60, 61, 62, 63
WITH LEGS

Folding Shower Seats

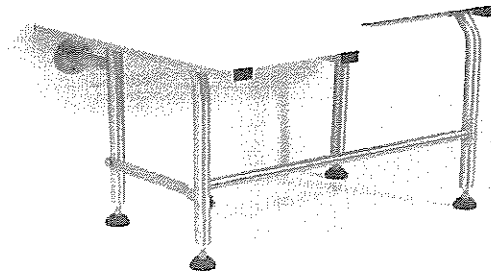
with Padded Surface

Architectural, Commercial,
 Institutional, Residential

PADDED SEAT

SPECIFICATION:

Folding shower seat manufactured by ELCOMA from 1" (25mm) diameter, 18 gauge and 1 1/4" (32mm) X 1 1/4" (32mm), 16 gauge, type 304 stainless steel tubing with #4 satin finish. Wall mount brackets shall be 12 gauge type 304 stainless steel. Padded vinyl cushion shall have 1 1/2" (38mm) high density, high resilience foam, covered with fire and mildew resistant, UV inhibited, marine grade naugahyde. Waterproof Seam Cushions shall have no external piping. Seat unit shall comply with all applicable federal provincial and local building and safety codes.



Custom sizes are available to suit special requirements.

26" X 21" (660 X 530 mm) seat	White	Model # 60-PA2601LEG	(As Shown)
26" X 21" (660 X 530 mm) seat	Almond	Model # 60-PA2602LEG	(As Shown)
28" X 21" (710 X 530 mm) seat	White	Model # 60-PA2801LEG	(As Shown)
28" X 21" (710 X 530 mm) seat	Almond	Model # 60-PA2802LEG	(As Shown)
30" X 21" (760 X 530 mm) seat	White	Model # 60-PA3001LEG	(As Shown)
30" X 21" (760 X 530 mm) seat	Almond	Model # 60-PA3002LEG	(As Shown)
32" X 21" (810 X 530 mm) seat	White	Model # 60-PA3201LEG	(As Shown)
32" X 21" (810 X 530 mm) seat	Almond	Model # 60-PA3202LEG	(As Shown)

For opposite orientation substitute Model # 60 with Model # 61

For rectangle seat substitute Model # 60 with Model # 62

For junior seat substitute Model # 60 with Model # 63

Elcoma Adult Shower Seats have been designed and tested to withstand 400lbs. (182kg) * of load capacity when properly installed. This exceeds HUD, FHA, VA, ADA, ANSI and other federal, provincial, and local codes. * The Junior Folding Shower Seat has been designed and tested to withstand 250lbs (114kg).



Specification questions ? Contact ELCOMA @ Ph: 800-352-6625 Fax: 800-625-5560 Email: orderdesk@elcoma.com
www.elcoma.com