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CF GROUP  
Date: March 16, 2011  
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Report No.: 100354261GRR-001  
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**Test Report For:**  
**CF GROUP**  
**ANSI/BIFMA X5.5-2008**  
**FOR DESK/TABLE PRODUCTS**  
**Tutor Table**

  
**Lynwood Pearson**  
**Project Manager**

  
**Bryan Stratton**  
**Reviewer**

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**DATE RECEIVED:** 3/4/2011  
**DATES TESTED:** 3/9/2011-3/15/2011

**DESCRIPTION OF SAMPLES:**

Part Description: Tutor  
Material Submitted: Production  
Condition of Test Sample: New

**WORK REQUESTED/APPLICABLE DOCUMENTS:**

To test the submitted samples per ANSI/BIFMA X5.5-2008 Desk Product Test Standard for the following test program:

<u>Test Number</u>	<u>Test Description</u>
4.3	Stability Under Vertical Load Test
5	Unit Strength Test
6	Top Load Cycle Test
7	Desk/Table Unit Drop Test
8	Leg Strength Test

**CONCLUSION:**

The submitted sample meets the acceptance criteria.

**TEST EQUIPMENT:**

Asset	Description	Cal Date	Cal Due
138012	SCALE / 0-1,000 #	12/04/2009	12/04/2011
138022	DIGITAL/ 0-1,000 READOUT/ LOAD 1,000 LBS.	03/17/2009	03/30/2011
138022.2	LOAD CELL / 0-1,000 # 1-3000 LBS.	03/17/2009	03/30/2011
138112	GRADUATED RULE 36"	08/27/2008	08/27/2013
138185	STOPWATCH	02/18/2008	VBU
138914	FORCE GAUGE	03/06/2009	03/30/2011

#### **4.3 STABILITY UNDER VERTICAL LOAD TEST:**

Date Tested: 3/9/2011  
Condition of Test Sample: New

Test Procedure:

Test Method: ANSI/BIFMA X5.5-2008; Test No. 4

The unit shall be leveled. Placement of the load shall be on a 12" diameter disk 1" from the edge at the least stable position.

Top Load: 125 lbs.  
Number of Samples Tested: One (1)

Acceptance Criteria:

The unit shall not tip over.

Results:

The sample meets the acceptance criteria. Refer to the following page for photograph.



**Stability Under Vertical Load Test**

**5. UNIT STRENGTH TEST:**

Date Tested: 3/9/2011-3/10/2011  
Condition of Test Sample: New

Test Procedure:

Test Method: ANSI/BIFMA X5.5-2008, Test No. 5

Surfaced to be Tested (Class):	Work Surface
Surface Size:	21 x 23-1/2
<u>Concentrated Load (lbs)</u>	
Functional:	200 lbs.
Proof:	300 lbs.

Number of Samples Tested: One (1)

Acceptance Criteria:

Functional Load: There shall be no loss of serviceability.

Proof Load: There shall be no major change in the structural integrity.

Results:

The sample meets the acceptance level criteria. Refer to the following page for photograph.



**Concentrated Functional Load**



**Concentrated Proof Load**

**6 – TOP LOAD EASE TEST:**

Date Tested: 3/11/2011-3/12/2011  
Condition of Test Sample: New

Test Procedure:

Test Method: ANSI/BIFMA X5.5-2008, Test No. 6

Number of Cycles: 10,000  
Load: 200 lbs.  
Cycles Per Minute: 14 ± 6  
Load Drawers with: 0.017 lb/cu. In.  
Load Area: 16" Diameter  
Number of Samples Tested: One (1)

Acceptance Criteria:

No loss of serviceability. A pull force to overcome anti-rebound or interlock and to fully extend the drawer shall not exceed 11.2 lbs.

Results:

Number of Cycles	Description of Results
10,000	Pass

The sample meets the acceptance criteria. Refer to the following page for photograph.



**Top Load Ease Test**

**7 – DESK/TABLE UNIT DROP TEST:**

Date Tested: 3/12/2011  
Condition of Test Sample: New

Test Procedure:

Test Method: ANSI/BIFMA X5.5-2008; Test No. 7

NOTE: Test applies to freestanding Category 1 Desk or Tables that are less than 72" in length. Test does not apply to units with casters.

Set all adjustable features at midpoint.

Weight of Unit: 17 lbs.  
Height of Drop: 7.1"

Number of Samples Tested: One (1)

Acceptance Criteria:

There shall be no loss of serviceability.

Results:

The sample meets the acceptance criteria. Refer to the following page for photograph.



**Desk/Table Unit Drop Test**

**8 – LEG STRENGTH TEST:**

Date Tested: 3/15/2011  
Condition of Test Sample: New

Test Procedure:

Test Method: ANSI/BIFMA X5.5-2008; Test No. 8

NOTE: Based on the Desk or Table Category.  
Calculate Functional and Proof Loads.

Unit Weight: 17 lbs.

Functional Load:

Inward Static Load to Leg: 18 lbf.  
Outward Static Load to Leg: 9 lbf.

Proof Load:

Inward Static Load to Leg: 27 lbf.  
Outward Static Load to Leg: 13 lbf.

Number of Samples Tested: One (1)

Acceptance Criteria:

Functional Load: No loss of serviceability.

Proof Load: No major changes in the structural integrity.

Results:

The sample meets the acceptance criteria. Refer to the following page for photographs.



**Leg Strength Test Inward**



**Leg Strength Test Outward**