

Date: March 15, 2011

P.O. No.: 810838

**CF GROUP** 

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# Test Report For:

**CF GROUP** 

# ANSI/BIFMA X5.5-2008 FOR DESK/TABLE PRODUCTS

**Tempest Table** 

Lynwood Pearson Project Manager Bryan Stratton Reviewer

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DATE RECEIVED: 3/4/2011

**DATES TESTED:** 3/9/2011-3/14/2011

### **DESCRIPTION OF SAMPLES:**

Part Description: Tempest 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>	Test Description
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 of the test listed above.

### **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

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### 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.

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Stability Under Vertical Load Test

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#### **UNIT STRENGTH TEST:** 5.

Date Tested: 3/9/2011 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:	29-1/2 x 59
Concentrated Load	
<u>(lbs)</u>	
Functional:	200 lbs.
Proof:	300 lbs.
Distributed Load (lbs)	
Functional:	265 lbs.
Proof:	407 lbs.

Number of Samples Tested: One (1)

Acceptance Criteria:

Functional Load: There shall be no loss of serviceability.

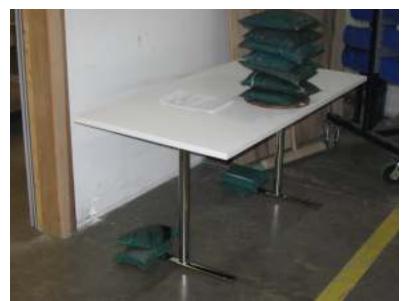
There shall be no major change in the structural Proof Load:

integrity.

## Results:

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

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**Concentrated Functional Load** 



**Concentrated Proof Load** 

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Distributed Functional Load



**Distributed Proof Load** 

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### 6 - TOP LOAD EASE 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. 6

Number of Cycles: 10,000 Load: 200 lbs. Cycles Per Minute:  $14 \pm 6$ 

Load Drawers with:

Load Area:

Number of Samples Tested:

0.017 lb/cu. In.

16" Diameter

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.

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Top Load Ease Test

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### 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: 73 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.

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Desk/Table Unit Drop Test

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**8 – LEG STRENGTH TEST:** 

Date Tested: 3/14/2011

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: 73 lbs.

Functional Load:

Inward Static Load to Leg: 86
Outward Static Load to Leg: 43

Proof Load:

Inward Static Load to Leg: 129
Outward Static Load to Leg: 64

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.

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Leg Strength Test Inward



Leg Strength Test Outward