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CF GROUP
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Page 1 of 13

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>	<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 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

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
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
<u>Concentrated Load (lbs)</u>	
Functional:	200 lbs.
Proof:	300 lbs.
<u>Distributed Load (lbs)</u>	
Functional:	265 lbs.
Proof:	407 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



Distributed Functional Load



Distributed Proof Load

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 ± 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: 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.



Desk/Table Unit Drop Test

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.



Leg Strength Test Inward



Leg Strength Test Outward