

INTEGRITY TESTING LABORATORIES,

CLIENT:

WorkStation Industries
1938 E. Pomona St
Santa Ana, CA. 92705
Attn: Albert Cappello

LABORATORY NO: F1408141-1
DATE: May 29, 2015
CLIENT P.O. NO.: vbl, A. Cappello
STANDARD: SEFA 8M-2014

SAMPLE: ONE LABORATORY GRADE BASE CABINET, 36" WIDE, ONE FULL WIDTH DRAWER AND TWO DOOR CONFIGURATION (SAMPLE HINGE ASSEMBLIES WERE MODIFIED FOR CONFORMANCE)

ABSTRACT

This report serves to document the testing of the above sample cabinet to **all structural test paragraphs** of SEFA 8M-2014, tests for laboratory grade metal casework. The remainder of this report will show how the cabinet submitted for testing **met the requirements needed for conformance** to the stated paragraphs of the referenced standard.



BASE CABINET SAMPLES

Integrity Testing - 469 CR 306, Corinth MS 38834 - Phone: (714) 630-2363

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RESULTS

Test	Test Description	Test loads and Cycles	Observations
4.2	Cabinet Load Test	Cabinet top was loaded with 2000 lbs, and allowed to remain for 10 minutes.	PASS-No failure or loss of serviceability after the performance of the tests
4.3	Cabinet Concentrated Load Test	A 200 lb load was applied to the centerline of the cabinet top while all door and drawer functions were operated.	PASS-No failure or loss of serviceability after the performance of the tests
4.4	Cabinet Torsion Test	One unsupported corner of the cabinet was loaded with the required 200 lb for 24 hours, unloaded and all doors and drawers checked for serviceability.	PASS-No failure or loss of serviceability after the performance of the tests
5.1	Door Hinge Test	One door was loaded with 200 lb 12" from the hinge centerline and operated through the motion full range.	PASS-No loss of serviceability after the performance of the test
5.2	Door Impact Test	Impact the center of one door with a 240 in-lb force utilizing a suspended 20 lb steel shot bag.	PASS-No failure or loss of serviceability after the performance of the tests
5.3	Door Cycle Test	One door was connected to a cycling device and operated through the motion full range for 100,000 cycles.	PASS-No failure or loss of serviceability after the performance of the tests
6.1	Drawer Static Test	A 150 lb test mass was suspended from the drawer front with the drawer extended 13" for a period of 5 minutes.	PASS-No failure or loss of serviceability after the performance of the tests
6.2	Door and Drawer Pull Test	A 50 lb test mass was suspended from the drawer pull for a period of 15 seconds.	PASS-No failure or loss of serviceability after the performance of the test
6.3	Drawer Impact Test	The removed drawer was supported by 4 corner blocks. A 10 lb shot bag was suspended 24" above the drawer bottom and released to impact the drawer bottom.	PASS-No loss of serviceability after the performance of the test
6.4	Drawer Internal Impact Test	The drawer was removed from the cabinet and supported at a 45 degree angle. A 12" 10 lb steel rod was supported on the drawer bottom 13" from the inside drawer face and released to impact the inside of the drawer front.	PASS-No failure or loss of serviceability after the performance of the test
6.5	Drawer Cycle Test	A distributed 100 lb load was placed inside the drawer. The drawer front was connected to a cycling device and operated through the motion full range for 50,000 cycles.	PASS-No failure or loss of serviceability after the performance of the test
7.2	Shelf Load Test	The inside cabinet shelf was measured for reference height. 40 lb/sq foot or 170 lb was loaded onto the shelf and a deflection measurement was recorded.	PASS-No failure or loss of serviceability after the performance of the test. Shelf deflection was less than 1/180 th of shelf span and less than 0.25"

CONCLUSION

During the execution of the testing program, the **36" laboratory base cabinet**, performed well with no structural failures or loss of serviceability. The sample submitted for testing **conforms to the applicable structural test paragraph requirements** of SEFA 8M-2014



Respectfully submitted,

[Handwritten Signature]
 Edwin A. Leach, Laboratory Director
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