

# STORK

## Material Technology

## Stork Herron Testing Laboratories

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P.O. NO.: Verbal

W/O NO.: ABT002-07-20-15494-1

DATE TESTED: 7/28/2006  
ABT PART NUMBER: 2503 / 2513  
PART DESCRIPTION: Cast Slotted Heavy Duty Grate / Frame  
PART DIMENSIONS: 4.88 in W x 19.57 in L x 0.75 in H  
TRENCH WIDTH: 4 in  
TEST PROCEDURE: Modified **FAA AC 150/5320-6D Appendix 3** with trench width compensation  
TEST BLOCK DIMENSIONS: 3 in Wide x 9 in Long x 1 in Thick (27 in<sup>2</sup>)  
TEST BLOCK LOCATION: Centered on the top surface of the grate  
BUFFER MATERIAL: 7/8 in thick oriented strand board (same dimension as test block)  
SETTLING LOAD: 50% of proof load, remove load, zero deflection setting  
PROOF LOAD TEST: Load for 60 sec., remove, measure permanent deflection, inspect for cracks  
APPROVAL CRITERIA: Maximum permanent deflection of 0.125 in. and no cracks at proof load

SAMPLE NUMBER	PROOF LOAD (LBS)	EQUIVALENT PRESSURE (PSI)	PERMANENT DEFLECTION (in)	ULTIMATE FAILURE LOAD (LBS)	EQUIVALENT PRESSURE (PSI)	TEST RESULTS (PASS/FAIL)
1	33,510	1241	-0.048	120,100	4,448	PASS
2	33,510	1,241	-0.024	117,700	4,359	PASS
3	33,510	1,241	-0.043	110,600	4,096	PASS

The test listed on this certification have been performed in accordance with Customer Requirements and all test conform.

Information and statements in this report are derived from material, information and/or specifications furnished by the client and exclude any expressed or implied warranties as to the fitness of the material tested or analyzed for any particular purpose or use. The samples tested on this certification are certified only for the testing performed. This report is the confidential property of our client and may not be used for advertising purposes. This report shall not be reproduced except in full, without written approval of this laboratory. The recording of false, fictitious or fraudulent statements or entries on this document may be punished as a felony under Federal Statutes including Federal Law Title 18, Chapter 47. Sample remnants are held for a minimum of 30 days following issuance of test results, at which point they will be discarded unless notified in writing by the client.

Respectfully Submitted



Sam Jackins  
General Manager