STORK

Material Technology

Stork Herron Testing Laboratories

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P.O. NO.: Verbal

W/O NO.: ABT002-07-20-15500-1

DATE TESTED: 7/28/2006
ABT PART NUMBER: 2534
PART DESCRIPTION: Anchor Frame and Longitudinal Slotted Ductile Iron Grate
PART DIMENSIONS: 6.54 in W x 19.57 in L x 1.22 in H
TRENCH WIDTH: 4 in
TEST PROCEDURE: **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 in²)
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: 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	33,500	1,241	-0.009	63,200	2,341	PASS
2	33,500	1,241	-0.001	67,400	2,496	PASS
3	33,500	1,241	0.000	59,000	2,185	PASS

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Respectfully Submitted

Sam Jackins
General Manager