

STORK

Stork Herron Testing Laboratories

Material Technology

ABT, Inc.
 PO Box 837
 259 Murdock Road
 Troutman, NC 28166
www.abtdrains.com

1200 WESTINGHOUSE BLVD., SUITE A
 CHARLOTTE, NC 28273
 USA
 TELEPHONE : (704) 588-1131
 TELEFAX : (704) 588-5412
 WEBSITE : www.storkherron.com

P.O. NO.: Verbal

W/O NO.: ABT002-07-20-15503-1

DATE TESTED: 7/28/2006
 ABT PART NUMBER: 2564
 PART DESCRIPTION: Heelproof Slotted Ductile Iron Frame & Grate
 PART DIMENSIONS: 6.69 in W x 19.57 in L x 2.36 in H
 TRENCH WIDTH: 4 in
 TEST PROCEDURE: AASHTO M306-04 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: 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	13,500	500	-0.008	50,200	1,859	PASS
2	13,500	500	-0.010	44,700	1,656	FAIL
3	13,500	500	-0.007	51,200	1,896	PASS

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Respectfully Submitted



Sam Jackins
 General Manager