

**DRAFT**

**REPORT OF LABORATORY TEST RESULTS**

TESTED FOR: MR. BRAD HUXOL  
RESIDENTIAL ENGINEERING SERVICE  
233 SW GREENWICH DRIVE, SUITE 143  
LEE'S SUMMIT, MO 64082

PROJECT: ADVANTAGE FOUNDATION

DATE: 8/27/2007

PSI REPORT NO. 353-70168-1

Load (lbs):	Deflection (in.)	
	Cylinder B	Cylinder C
10,000	0.042	0.039
20,000	0.058	0.053
30,000	0.068	0.065
40,000	0.078	0.077
50,000	0.090	0.087
60,000	0.105	0.102
70,000	0.133	0.138
80,000	0.269	0.268
90,000	0.509	0.554
100,000	0.710	0.896
110,000	0.975	1.150
115,000	1.121	1.287
120,000	1.267	1.414
Tube OD:	2.88	2.87
Tube Length:	6.41	6.76
Block Stack:	3.02	3.02
Block & Grout:	7.81	8.13
Calculated Grout:	4.79	5.11
Block Dia.:	2.60	2.64
Final:	6.64	6.70

Respectfully submitted,  
Professional Service Industries, Inc.

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Ryan Hankins  
Project Manager

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DATE: 10/1/2008

**DRAFT**

PSI REPORT NO. 353-70168-3

**TWO PIECE CYLINDER**

Load (lbs):	Deflection (in.)		
	Cylinder A	Cylinder B	Cylinder C
10,000	0.071	0.020	0.008
20,000	0.121	0.034	0.029
30,000	0.176	0.046	0.072
40,000	0.269	0.061	0.260
50,000	0.453	0.076	0.700
Tube OD:	3	3	3.01
Tube ID:	2.83	2.83	2.84
Tube Length:	7.89	7.88	7.75
Grout Length:	6.90	6.84	6.73
Final Total:	7.67	7.81	7.44
Final Grout:	6.71	6.82	6.17
Final OD:	3.21	3.12	3.32

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Ryan Hankins  
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PROJECT: ADVANTAGE FOUNDATION

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**DRAFT**

PSI REPORT NO. 353-70168-2

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**ONE PIECE CYLINDER**

Load (lbs):	Deflection (in.)		
	Cylinder A	Cylinder B	Cylinder C
10,000	0.020	0.077	0.008
20,000	0.072	0.094	0.029
30,000	0.086	0.097	0.072
40,000	0.104	0.117	0.260
50,000	0.250	0.198	0.700
Tube OD:	3.01	2.99	3.01
Tube ID:	2.835	2.835	2.835
Tube Length:	9.82	9.99	9.97
Grout Length:	9.70	9.20	9.13
Final Total:	9.71	9.80	9.63
Final Grout:	8.97	8.98	8.64
Final OD:	3.08	3.35	3.26

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