

### REPORT OF CONCRETE BLOCK TESTING

**PROJECT:**  
 PRODUCTION CHECK  
 MARSHALL CONCRETE PRODUCTS  
 HUTCHINSON, MINNESOTA

**REPORTED TO:**  
 MARSHALL CONCRETE PRODUCTS  
 2610 MARSHALL ST NE  
 MINNEAPOLIS, MINNESOTA 55418

**ATTN:** JOHN FISHER

**AET PROJECT NO:** 20-10780

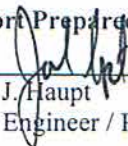
**DATE:** May 31, 2011

Product Type:	6" x 8" x 16"					
Producer:	Marshall Concrete Prod., Hutchinson, MN					
Date:	Manufactured: Unknown	Tested: 05/25/2011		ASTM Spec C90		
<b>Sample:</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>Avg</b>	<b>1 Unit</b>	<b>3 Unit Avg</b>
<b><u>Dimensions</u></b>						
Length, in:	15.56	15.56	15.56			
Width, in:	5.63	5.64	5.64			
Height, in:	7.65	7.62	7.66			
Face Shell, in:	1.04	1.05	1.05	1.05	1.0	min.
Web, in:	1.03	1.04	1.04	1.04	1.0	min.
Equivalent Web, in:	2.38	2.41	2.40	2.40	2.25	min.
Equivalent Thickness, in:	3.02	3.06	3.07	3.05		
<b><u>Physical Properties</u></b>						
Weight as Received, lbs:	28.1	28.7	28.7			
Moisture Content, %:	42.1	52.6	47.4	47.4		
Absorption, %:	7.0	6.9	6.8	6.9		
Absorption, lbs / cu ft:	9.1	9.1	9.0	9.1	15 Max	13 Max
Density, lbs / cu ft:	131.0	131.9	131.4	131.5		125 Min
Solid, %:	53.7	54.2	54.4	54.1		
<b><u>Strength</u></b>						
Total Load, lbs:	185,990	169,870	141,630			
Gross Area, sq in:	88	88	88			
Gross Strength, psi:	2,110	1,930	1,610			
Net Area, sq in:	47	47	47			
Net Strength, psi:	3,960	3,610	3,010	3,530	1,700 Min	1,900 Min


**Remarks:**

The samples meet ASTM:C90-09 specifications for concrete masonry units.

**Report Prepared By:**

  
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**Report Reviewed By:**

  
 David G. Wirth  
 Manager, Construction Services

