

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

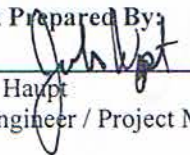
DATE: May 31, 2011

Product Type:	12" x 8" x 16"					
Producer:	Marshall Concrete Prod., Hutchinson, MN					
Date:	Manufactured: Unknown		Tested: 05/25/2011		ASTM Spec C90	
Sample:	A	B	C	Avg	1 Unit	3 Unit Avg
<u>Dimensions</u>						
Length, in:	15.55	15.56	15.57			
Width, in:	11.63	11.63	11.60			
Height, in:	7.55	7.55	7.54			
Face Shell, in:	1.29	1.30	1.30	1.30	1.25	min.
Web, in:	1.28	1.28	1.28	1.28	1.125	min.
Equivalent Web, in:	2.97	2.96	2.96	2.96	2.5	min.
Equivalent Thickness, in:	5.24	5.21	5.21	5.22		
<u>Physical Properties</u>						
Weight as Received, lbs:	48.7	48.5	48.4			
Moisture Content, %:	46.9	46.9	46.9	46.9		
Absorption, %:	6.8	6.8	6.8	6.8		
Absorption, lbs / cu ft:	9.0	9.0	9.0	9.0	15 Max	13 Max
Density, lbs / cu ft:	132.7	132.7	132.4	132.6		125 min
Solid, %:	45.0	44.8	44.9	44.9		
<u>Strength</u>						
Total Load, lbs:	286,890	309,300	281,620			
Gross Area, sq in:	181	181	181			
Gross Strength, psi:	1,590	1,710	1,560			
Net Area, sq in:	81	81	81			
Net Strength, psi:	3,540	3,820	3,480	3,610	1,700 Min	1,900 min

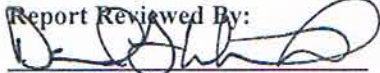
Remarks:

The samples meet ASTM:C90-08 specifications for concrete masonry units.

Report Prepared By:


 John J. Haupt
 Staff Engineer / Project Manager

Report Reviewed By:


 David G. Wirth
 Manager, Construction Services

