



**NATIONAL
CONCRETE MASONRY
ASSOCIATION**

Sustainable Concrete Products for Structures and Hardscapes

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April 9, 2007

Gus Lorber
Allied Concrete
1000 Harris St Box 1647
Charlottesville, VA 22902

Please find enclosed a copy of a test report that we performed at your request on the following product that you supplied:

12" Double Corner
Concrete Masonry Unit
NCMA Job Number: 07-270-2

We are pleased to report that the tested properties from this report comply with the applicable requirements of ASTM C 90-06, Standard Specification for Loadbearing Concrete Masonry Units.

The attached report includes the tested compressive strength of the concrete masonry unit. The compressive strength of masonry constructed using these units can be calculated using the Unit Strength Method as outlined in Section 1.4.B.2.b of Specifications for Masonry Structures (ACI 530.1-05 / ASCE 6-05 / TMS 602-05). In accordance with this method, the compressive strength of masonry is a function of unit strength and mortar type. As shown in the attached test report...

Net Area Compressive Strength of
12" Double Corner 2590 psi
Concrete Masonry Unit

Therefore, the net area compressive strength of masonry when these units are used, can be considered to be the following:

<u>When used with:</u>	<u>Net Area Compressive Strength of Masonry</u>	
Type M or S mortar	1880	psi
Type N mortar	1740	psi

The values provided above can be compared directly to the specified compressive strength of masonry, f'_m . If these values exceed f'_m , compliance has been documented.

Sincerely,

Jeffrey S. Stein, P.E.
Manager, Research and Development Laboratory