NATIONAL CONCRETE MASONRY ASSOCIATION
Sustainable Concrete Products for Structures and Hardscapes
90th ANNIVERSARY

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Gus Lorber
Allied Concrete Company
PO Box 1647
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Please find enclosed a copy of a test report that we performed at your request on the following product that you supplied:

12 x 8 x 16 Inch Concrete Masonry Unit

NCMA Job Number: 08-338-2

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 x 8 x 16 Inch Concrete Masonry Unit	2590 psi

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

When used with:	Net Area Compressive Strength of Masonry
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,

Nicholas R. Lang
Research Engineer