



125 Valley Court  
Oak Ridge, TN 37830  
(865) 482-7762 Fax (865) 483-6995  
[www.MEandT.com](http://www.MEandT.com)  
[Info@MEandT.com](mailto:Info@MEandT.com)  
[patrickw@meandt.com](mailto:patrickw@meandt.com)  
**ISO/IEC 17025:1999**



## **Mechanical Test Report: Tensile Properties**

Mr. Glenn Myrick  
**NCI BUILDING SYSTEMS**  
422 Kirby Drive  
Lexington, TN 38351

Report Date: 11/15/07  
**ME&T#:** 41871 & 41872  
Quote#: Verbal  
P.O.#: 1355144

Date Sample Received: 11/06/07  
Mill: NUCOR  
Specification: ASTM A572 Grade 50  
Alloy Content: Type 1

Universal Tester: 228  
Test Procedure: MPT-10.0, ASTM A370  
Operator: W.J. Werner  
Test Date: 11/14/07

## **TEST RESULTS**

	<b><u>ME&amp;T#</u></b> <b><u>41871</u></b>	<b><u>ME&amp;T</u></b> <b><u>41872</u></b>
Area (in <sup>2</sup> ):	0.125	0.124
Ultimate Tensile Strength (psi):	63482	65670
Yield Strength (psi):	55031	56263
Elongation (%):	33.0	35.4
Heat:	175048	175048
Coil:	175048-4A	175048-4A
Thickness (in):	0.2415	0.2415
Alloy Content:	Type 1	Type 1
CMTR Conformance (Tensile) ASTM A1018:	Yes	Yes
CMTR Conformance (Composition) ASTM A572 Grade 50:	Yes	Yes
Tensile Conformance to ASTM A572 Grade 50:	No	Yes

Materials Engineering & Testing certifies results as indicated.

Sincerely,

Patrick Werner  
President, **ME&T**