



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**

Contact: Glenn Myrick

**NCI BUILDING SYSTEMS**

422 Kirby Drive

Lexington, TN 38351

Report Date: 10/09/07

**ME&T#:** 41582 & 41583

Quote#: Verbal

P.O.#: 1354209

Date Sample Received: 09/27/07

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: 10/04/07

## **TEST RESULTS**

	<b><u>ME&amp;T#</u></b> <b><u>41582</u></b>	<b><u>ME&amp;T</u></b> <b><u>41583</u></b>
Area (in <sup>2</sup> ):	<u>0.124</u>	<u>0.123</u>
Ultimate Tensile Strength (psi):	<u>60752</u>	<u>64777</u>
Yield Strength (psi):	<u>49938</u>	<u>53552</u>
Elongation (%):	<u>32.5</u>	<u>31.4</u>
Heat:	<u>175523</u>	<u>175523</u>
Coil:	<u>175523-5B</u>	<u>175523-5B</u>
Thickness (in):	<u>0.2415</u>	<u>0.2415</u>
Alloy Content:	<u>Type 1</u>	<u>Type 1</u>
CMTR Conformance (Tensile) ASTM A1018:	<u>Yes</u>	<u>Yes</u>
CMTR Conformance (Composition) ASTM A572 Grade 50*:	<u>Yes</u>	<u>Yes</u>
Tensile Conformance to ASTM A572 Grade 50:	<u>No</u>	<u>No</u>

Materials Engineering & Testing certifies results as indicated.

Sincerely,

Patrick Werner  
President, **ME&T**