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**ISO/IEC 17025:1999**



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

Contact: Glenn Myrick  
**NCI BUILDING SYSTEMS**  
422 Kirby Drive  
Lexington, TN 38351

Report Date: 11/06/06  
**ME&T#:** 39140-1  
Quote#: E-Mail  
P.O.#: 1346045

Date Sample Received: 08/30/06  
Mill: Lone Star Steel Company  
Specification: ASTM A572 Grade 50  
Alloy Content: Type 2

Universal Tester: 228  
Test Procedure: MPT-10.0, ASTM A370  
Operator: W.J. Werner  
Test Date: 11/02/2006

## **RE-TEST RESULTS**

	<b><u>ME&amp;T#</u></b> <b><u>39140</u></b>	<b><u>ME&amp;T#</u></b> <b><u>39141</u></b>
Area (in <sup>2</sup> ):	<u>0.157</u>	<u>0.158</u>
Ultimate Tensile Strength (psi):	<u>80905</u>	<u>70511</u>
Yield Strength (psi):	<u>56341</u>	<u>44673</u>
Elongation (%):	<u>29.7</u>	<u>33.2</u>
Heat #:	<u>65375</u>	<u>65375</u>
Coil #:	<u>470862</u>	<u>470862</u>
Thickness(in):	<u>5/16</u>	<u>5/16</u>
Alloy Content:	<u>Type 2</u>	<u>Type 2</u>
CMTR Conformance to ASTM A572 Grade 50:	<u>Yes</u>	<u>Yes</u>
Tensile Conformance to ASTM A572 Grade 50:	<u>Yes</u>	<b>No</b>

Materials Engineering & Testing certifies results as indicated. Re-testing was conducted after initial nonconformance.

Sincerely,

Patrick Werner  
President, **ME&T**