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**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#:** 41877 & 41878  
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><br><b><u>41877</u></b> | <b><u>ME&amp;T</u></b><br><b><u>41878</u></b> |
|--|--|---|
| Area (in <sup>2</sup> ):                           | 0.155  | 0.152   |
| Ultimate Tensile Strength (psi):                   | 57537  | 61210   |
| Yield Strength (psi):                              | 45104  | 52203   |
| Elongation (%):                                    | 37.1   | 40.0  |
| Heat:  | 175515   | 175515  |
| Coil:  | 175515-4A                                      | 175515-4A                                     |
| Thickness (in):                                    | 0.3055   | 0.3055  |
| 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   | No  |

Materials Engineering & Testing certifies results as indicated.

Sincerely,

Patrick Werner  
President, **ME&T**