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 AV VALLE DE LAB ALAMEDAS  
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 TULTITLANMEX 54940  
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Ship To: PLESA TULTITLAN (LECHERIA)  
 AV VALLE DE LAS ALAMEDAS NO.  
 66 -O COL. SAN FRANCISCO CHILP  
 SPUR: 12-831-94 AND 12-832-94  
 LECHERIA MEX 54940  
 MEXICO  
 956-54-72-800

Customer P.O.	19251	Sales Order	207939.12
Product Group	Merchant Bar Quality	Part Number	2160403748010W0
Grade	NUCOR MULTIGRADE	Lot #	JW1410821051
Size	6x4x3/8 Angle	Heat #	JW14108210
Product	6x4x3/8 Angle 40' NUCOR MULTIGRADE	B.L. Number	J1-685340
Description	NUCOR MULTIGRADE	Load Number	J1-287430
Customer Spec		Customer Part #	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Roll Date: 9/25/2014 Melt Date: 9/21/2014 Qty Shipped LBS: 9,840 Qty Shipped Pcs: 20

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Cb	Sn
0.12%	0.88%	0.009%	0.024%	0.21%	0.29%	0.18%	0.16%	0.058%	0.0404%	0.002%	0.013%
CE4020	CEA529										
0.35%	0.39%										

CE4020: C. E. CSA G4020, AASHTO M270  
 CEA529: A529 CARBON EQUIVALENT

Yield 1: 52,600psi (363MPa)

Tensile 1: 72,300psi (498MPa)

Elongation: 20% in 8"(% in 203.3mm)

Yield 2: 54,000psi (372MPa)

Tensile 2: 71,400psi (492MPa)

Elongation 20% in 8"(% in 203.3mm)

Specification Comments: NUCOR MULTIGRADE MEETS THE REQUIREMENTS OF: ASTM A36/A36M-08, A529/529M-05(2009)  
 GR50(345), A572/572M-07 GR50(345), A709/709M-10 GR36(250) & GR50(345), CSA G40.21-04 GR44W(300W) & GR50W(350W)  
 AASHTO M270/M270M-10 GR36(270) & GR50(345), ASME SA36/SA36M-07

Comments: E-mail: websales@nstexas.com

1. All manufacturing processes of the steel, including melting, have been performed in the U.S.A.
2. Mercury in any form has not been used in the production or testing of this product.
3. Welding or weld repair was not performed on this material.
4. This material conforms to the specifications described on this document and may not be reproduced, except in full, without written approval of Nucor Corporation.
5. Results reported for ASTM E45 (Inclusion content) and ASTM E381 (Macro-etch) are provided as interpretation of ASTM procedures.

*Bhargava R Vantari*

Bhargava R Vantari  
 Division Metallurgist