

Bill To:
 SIDERTUL SA DE CV
 RFC# SID930918KR0
 AVENIDA PRESIDENTE MASARYK
 MEXICO CITY DF
 11570 MX

Ship To: 7
 SIDERTUL SA DE CV
 402 GRAND CENTRAL BLVD
 MILO DISTRIBUTION CENTER
 LAREDO TX
 78045 US

Order Date: 06/17/2011
 PO No: 4500012651
 Mill Order No: 3899463
 Load No: 1394951
 Manifest No: 2090154

CERTIFIED MATERIAL TEST REPORT

GERDAU AMERISTEEL
 Petersburg Mill
 GERDAU AMERISTEEL 25801 Hofheimer Way
 Petersburg, VA 23803
 (804) 524-2855

SPECIFICATIONS: ASTM A6-09, A992-06a, A572-07
 SIZE: W 36 X 160# / W920 X 238
 GRADE: 992/572-50
 LENGTH: 40 FT / 12.192 M
 PRODUCT: WF BEAMS

46995

HEAT NO: 30550300

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.09	1.18	.015	.032	.27	.28	.10	.13	.018	.012	.003	.001	.017	.34

PHYSICAL PROPERTIES

<u>Yield Strength</u>		<u>Tensile Strength</u>		<u>Specimen Area</u>		<u>Elongation</u>		<u>Bend Test</u>	<u>ROA</u>
KSI	MPa	KSI	MPa	Sq In	Sq cm	%	Gage Length	Dia. Result	%
54.0	372.3	74.4	513.0	1.485	9.58	22.1	8 In 200 mm		
53.4	368.2	75.0	517.1	1.476	9.52	21.0	8 In 200 mm		

TENSILE TEST RATIOS

YLD/TENS	TENS/YLD	YLD/TENS	TENS/YLD
.73	1.38	.71	1.4

FERRE BARNIEDO, S.A. DE C.V.
 ESTE CERTIFICADO ES COPIA FIEL
 DEL ORIGINAL DE NUESTROS ARCHIVOS.
 AMPARA LA REMISION No. _____
 58-36-10-00 ventas@ferrebarniedo.com.mx

All manufacturing processes of this product, including electric arc MELTING and continuous CASTING, occurred in the U.S.A. CMTR complies with EN 10204 3.1

"I hereby certify that the contents of this report are correct and accurate. All tests and operations performed by this material manufacturer or its sub-contractors, when applicable, are in compliance with the requirements of the material specifications and applicable purchaser designated requirements."

Signed: Tom L. Harrington Date: Aug. 30, 2011
 Tom L. Harrington: Quality Assurance Manager

Signed: _____ Date: _____
 Notary Public (if applicable)

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CERTIFIED MATERIAL TEST REPORT
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 Petersburg Mill
 GERDAU AMERISTEEL 25801 Hofheimer Way
 Petersburg, VA 23803
 (804) 524-2855

SPECIFICATIONS SIZE GRADE LENGTH PRODUCT
 ASTM A6-09, A992-06a, A572-07 W 36 X 160# / W920 X 238 992/572-50 40 FT / 12.192 M WF BEAMS

47002

HEAT NO: 30550310

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.09	1.17	.014	.030	.26	.27	.11	.13	.019	.012	.003	.000	.017	.34

PHYSICAL PROPERTIES

<u>Yield Strength</u>		<u>Tensile Strength</u>		<u>Specimen Area</u>		<u>Elongation</u>		<u>Bend Test</u>		<u>ROA</u>
KSI	MPa	KSI	MPa	Sq In	Sq cm	%	Gage Length	Dia.	Result	%
53.7	370.2	75.2	518.5	1.572	10.14	23.3	8 In	200 mm		
54.7	377.1	75.6	521.2	1.458	9.41	23.3	8 In	200 mm		

TENSILE TEST RATIOS

YLD/TENS	TENS/YLD	YLD/TENS	TENS/YLD
.71	1.4	.72	1.38

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