

Bill To:
 PLESA ANAHUAC Y CIAS SA DE CV
 AV VALLE DE LAS ALAMEDAS
 NO 66-0 COL SAN FRANCISCO
 MEXICO CITY/DEL. TUL. DF
 54940 MX

Ship To: 1
 PLESA ANAHUAC Y CIAS SA DE CV
 302 QUIVIRA DR
 PAN AMERICAN BUSINESS PARK
 LAREDO TX
 78045 US

Order Date: 08/13/2009
 PO No: 6858
 Mill Order No: 3637223
 Load No: 1274839
 Manifest No: 1977046

CERTIFIED MATERIAL TEST REPORT
GERDAU AMERISTEEL
 Midlothian Mill
 300 Ward Road
 Midlothian, TX 76065
 (972) 775-8241

SIZE: W 12 X 50# / W310 X 74
 GRADE: 992/572-50
 LENGTH: 40 FT / 12.192 M
 PRODUCT: WF BEAMS

SPECIFICATIONS: ASTM A6-05a, A992-06a, A572-06

HEAT NO: 22518930

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.08	.84	.009	.037	.24	.30	.09	.12	.029	.009	.002	.004	.016	.28

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	%
53.0	365.4	70.7	487.5	0.881	5.68	25.0	8 In 200 mm		
52.1	359.2	69.6	479.9	0.885	5.71	25.3	8 In 200 mm		

TENSILE TEST RATIOS

YLD/TENS
 .75

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: Oct. 28, 2009
 Tom L. Harrington: Quality Assurance Manager

Signed: _____
 Notary Public (if applicable)

Date: _____
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CERTIFIED MATERIAL TEST REPORT
GERDAU AMERISTEEL
Midlothian Mill
300 Ward Road
Midlothian, TX 76065
(972)775-8241

SPECIFICATIONS
ASTM A6-05a, A992-06a, A572-06

SIZE	GRADE	LENGTH	PRODUCT
W 12 X 50# / W310 X 74	992/572-50	40 FT / 12.192 M	WF BEAMS

HEAT NO: 22518940

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.09	.89	.010	.031	.25	.31	.09	.11	.029	.009	.002	.003	.016	.29

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	%
54.8	377.8	73.9	509.5	0.879	5.67	25.6	8 In 200 mm		
54.8	377.8	73.0	503.3	0.903	5.83	23.9	8 In 200 mm		

TENSILE TEST RATIOS

YLD/TENS YLD/TENS
.74 .75

2

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SPECIFICATIONS
ASTM A6-05a, A992-06a, A572-06

SIZE	GRADE	LENGTH	PRODUCT
W 12 X 50# / W310 X 74	992/572-50	40 FT / 12.192 M	WF BEAMS

HEAT NO: 22518970

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.10	.87	.009	.024	.26	.35	.08	.11	.029	.010	.002	.005	.017	.3

PHYSICAL PROPERTIES

Yield Strength		Tensile Strength		Specimen Area		Elongation		Bend Test		ROA
KSI	MPa	KSI	MPa	Sq In	Sq cm	%	Gage Length	Dia.	Result	%
53.2	366.8	71.4	492.3	0.897	5.79	22.0	8 In 200 mm			
54.6	376.5	72.9	502.6	0.881	5.68	23.8	8 In 200 mm			

TENSILE TEST RATIOS

YLD/TENS

.75

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SPECIFICATIONS
ASTM A6-05a, A992-06a, A572-06

SIZE	GRADE	LENGTH	PRODUCT
W 12 X 50# / W310 X 74	992/572-50	40 FT / 12.192 M	WF BEAMS

HEAT NO: 22519300

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.08	.90	.015	.038	.23	.32	.11	.16	.043	.009	.003	.004	.018	.3

PHYSICAL PROPERTIES

Yield Strength		Tensile Strength		Specimen Area		Elongation		Bend Test		ROA
KSI	MPa	KSI	MPa	Sq In	Sq cm	%	Gage Length	Dia.	Result	%
54.6	376.5	72.2	497.8	0.874	5.64	24.1	8 In	200 mm		
53.9	371.6	70.8	488.1	0.888	5.73	23.0	8 In	200 mm		

TENSILE TEST RATIOS

YLD/TENS

.76

4

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SPECIFICATIONS
ASTM A6-05a, A992-06a, A572-06

SIZE	GRADE	LENGTH	PRODUCT
W 12 X 50# / W310 X 74	992/572-50	40 FT / 12.192 M	WF BEAMS

HEAT NO: 22519310

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.08	.89	.014	.033	.26	.33	.11	.16	.041	.009	.002	.003	.017	.3

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	%
54.4	375.1	73.4	506.1	0.870	5.61	25.9	8 In 200 mm		
53.7	370.2	71.4	492.3	0.901	5.81	24.8	8 In 200 mm		

TENSILE TEST RATIOS

YLD/TENS YLD/TENS
.74 .75

5

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SPECIFICATIONS
ASTM A6-05a, A992-06a, A572-06

SIZE	GRADE	LENGTH	PRODUCT
W 12 X 50# / W310 X 74	992/572-50	40 FT / 12.192 M	WF BEAMS

HEAT NO: 22519350

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.09	.91	.013	.022	.31	.33	.10	.10	.033	.010	.002	.006	.018	.3

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	%
56.1	386.8	75.1	517.8	0.891	5.75	25.0	8 In 200 mm		
55.0	379.2	73.9	509.5	0.908	5.86	24.6	8 In 200 mm		

TENSILE TEST RATIOS

YLD/TENS YLD/TENS
.74 .75

6

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