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

Ship To: 1 SIDERTUL SA DE CV 402 GRAND CENTRAL BLVD MILO DISTRIBUTION CENTER LAREDO ΤX US 78045

Order Date:02/18/2011 PO No:4500000574 Mill Order No:3860078 Load No:1385528

Manifest No:2081625

GERDAU AMERISTEEL

GERDAU AMERISTEEL Midlothian Mill 300 Ward Road Midlothian, TX 76065

(972)775-8241

SIZE W 24 X 76# / W610 X 113

40 FT / 12.192 M

LENGTH

PRODUCT WF BEAMS

CERTIFIED MATERIAL TEST REPORT

SPECIFICATIONS

HEAT NO: 22596230

ASTM A6-09, A992-06a, A572-07

CHEMICAL ANALYSIS

Sn Al C Si Cu Νi CrМо Nb CE Mn Ρ S .3 .07 .95 .026 .036 .29 .42 .09 .18 .029 .010 .002 .003 .022

PHYSICAL PROPERTIES

Yield Strength		Tensile Strength		Specimen Area		Elongation			Bend Test	ROA
KSI	MPa	KSI	MPa	Sq In	Sq cm	8	Gage Ler	ngth	Dia. Result	ક
58.4	402.7	76.4	526.8	0.984	6.35	24.8	8 In	200 mm		
58.4	402.7	76.1	524.7	0.971	6.26	25.3	8 In	200 mm		

GRADE

992/572-50

TENSILE TEST RATIOS YLD/TENS YLD/TENS .76 .77

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."

Jorn 6 / Sample: Jul. 08, 2011 Date: Signed: Tom L. Harrington: Quality Assurance Manager

Notary Public (if applicable)

Page: 1 of Bill To: SIDERTUL SA DE CV RFC# SID930918KR0 AVENIDA PRESIDENTE MASARYK MEXICO CITY DF ΜX 11570

Ship To: 1 SIDERTUL SA DE CV 402 GRAND CENTRAL BLVD MILO DISTRIBUTION CENTER LAREDO

Order Date:02/18/2011 PO No:4500000574 Mill Order No:3860078 Load No:1385528 Manifest No:2081625

CERTIFIED MATERIAL TEST REPORT GERDAU AMERISTEEL

GERDAU AMERISTEEL

Midlothian Mill

300 Ward Road Midlothian, TX 76065 (972)775-8241

SIZE

78045

W 24 X 76# / W610 X 113

LENGTH 992/572-50 40 FT / 12.192 M PRODUCT WF BEAMS

SPECIFICATIONS

HEAT NO: 22596240

ASTM A6-09, A992-06a, A572-07

CHEMICAL ANALYSIS

С Ρ S Si Cu Νi \mathtt{Cr} Mo Sn V A1Nb Mn CE .029 .010 .002 .003 .29 .29 .42 .09 .16 .018 .07 .90 .026 .032

US

GRADE

PHYSICAL PROPERTIES

Yield Strength		Tensile Strength		Specimen Area		Elongation_			Bend Test	ROA
KSI	MPa	KSI	MPa	Sq In	Sq cm	8	Gage Ler	ngth	Dia. Result	ક
57.0	393.0	74.4	513.0	0.987	6.37	25.2	8 In	200 mm		
57.2	394.4	74.9	516.4	0.974	6.28	25.5	8 In	200 mm		

TENSILE TEST RATIOS YLD/TENS YLD/TENS .76 .77

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."

Jone 6 / dans Date: Jul. 08, 2011 Signed: Tom L. Harrington: Quality Assurance Manager

Signed:

Notary Public (if applicable)

Date:

Page:

2 of

Bill To: SIDERTUL SÅ DE CV RFC# SID930918KR0 AVENIDA PRESIDENTE MASARYK MEXICO CITY DF 11570 MX Ship To: 1
SIDERTUL SA DE CV
402 GRAND CENTRAL BLVD
MILO DISTRIBUTION CENTER
LAREDO TX
78045 US

Order Date:02/18/2011
PO No:4500000574
Mill Order No:3860078
Load No:1385528
Manifest No:2081625

CERTIFIED MATERIAL TEST REPORT
GERDAU AMERISTEEL

Midlothian Mill

GERDAU AMERISTEEL

300 Ward Road Midlothian, TX 76065 (972)775-8241

SIZE

.26

GRADE

.16

LENGTH

Al

.003

PRODUCT WF BEAMS

SPECIFICATIONS

.08

W 24 X 76# / W610 X 113

992/572-50

.030

40 FT / 12.192 M

Nb

.021

CE

.31

ASTM A6-09, A992-06a, A572-07

.98

.029

.034

HEAT NO: 22596300

CHEMICAL ANALYSIS

.010

C Mn P S Si Cu Ni Cr Mo Sn V

.09

.36

PHYSICAL PROPERTIES

.002

										
Yield Strength		Tensile Strength		Specimen Area		Elongation			Bend Test	ROA
KSI	MPa	KSI	MPa	Sq In	Sq cm	ક	Gage Ler	ngth	Dia. Result	ક
57.3	395.1	74.6	514.3	0.956	6.17	24.1	8 In	200 mm		
58 2	101 3	76 5	527 4	0 979	6 32	25 2	8 Tn	200 mm		

TENSILE TEST RATIOS
YLD/TENS YLD/TENS
.76 .77

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: ______ Date: Jul. 08, 2011
Tom L. Harrington: Quality Assurance Manager

Signed:

Notary Public (if applicable)

Date:____

Page: 3 of

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

Ship To: 1 SIDERTUL SA DE CV 402 GRAND CENTRAL BLVD MILO DISTRIBUTION CENTER ΤX LAREDO

Order Date:02/18/2011 PO No:4500000574 Mill Order No:3860078 Load No:1385528 Manifest No:2081625

CERTIFIED MATERIAL TEST REPORT GERDAU AMERISTEEL

Midlothian Mill

GERDAU AMERISTEEL

300 Ward Road Midlothian, TX 76065 (972)775-8241

SIZE

78045 US GRADE

LENGTH 40 FT / 12.192 M

PRODUCT WF BEAMS

SPECIFICATIONS

HEAT NO: 22596310

W 24 X 76# / W610 X 113

ASTM A6-09, A992-06a, A572-07

CHEMICAL ANALYSIS

Cu Νi CrMo Sn Al Nb CE C S Si .3 .24 .34 .09 .16 .029 .009 .002 .004 .019 .032 .024 .07 .95

PHYSICAL PROPERTIES

Yield Strength		Tensile Strength		Specimen Area		Elongation			Bend Test	ROA	
KSI	MPa	KSI	MPa	Sq In	Sq cm	8	Gage Le:	ngth	Dia. Result	용	
57.1	393.7	74.8	515.7	0.952	6.14	24.6	8 In	200 mm			
57 5	396.4	75.2	518.5	0.993	6.41	25.2	8 In	200 mm			

992/572-50

TENSILE TEST RATIOS YLD/TENS YLD/TENS .76 .77

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."

Tom L. Harrington: Quality Assurance Manager

Signed:

Notary Public (if applicable)

Date:

4 of Page: