

Bill To:
 FERRE BARNIEDO, SA DE CV
 AV. REVOLUCION NO. 81
 COLONIA SAN CRISTOBAL
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Ship To: 2
 FERRE BARNIEDO, SA DE CV
 C/O TAF FORWARDING AGENCY, IN
 UNITEC INDUSTRIAL PARK TX
 LAREDO US
 78045

Order Date: 01/23/2006
 PO No: 012006
 Order No: 3082459
 Load No: 2007180
 Manifest No: 3727171

CERTIFIED MATERIAL TEST REPORT

CHAPARRAL STEEL
 300 Ward Rd.
 Midlothian, TX
 76065-9651
 (972) 775-8241

SPECIFICATIONS
 ASTM A6-02, A992-02, A572-01

SIZE: W 36 X 170# / W920 X 253
 GRADE: 992/572-50
 LENGTH: 35 FT / 10.668 M

PRODUCT: WF BEAMS

HEAT NO: 30209290

CHEMICAL ANALYSIS													
C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.09	1.20	.007	.033	.24	.51	.10	.07	.014	.012	.002	.002	.018	.35

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Yield Strength				Tensile Strength		Specimen Area		Elongation		Bend Test		ROA
KSI	MPa	KSI	MPa	Sq In	Sq cm	%	Gage Length	Dia.	Result	Result	%	
52.9	364.7	72.6	500.6	1.585	10.23	23.5	8 In	200 mm				
53.1	366.1	72.7	501.2	1.619	10.45	24.1	8 In	200 mm				

Remarks

Material meets requirements of ASTM A992

FERRE BARNIEDO, S.A. DE C.V.
 ESTE CERTIFICADO ES COPIA FIEL
 DEL ORIGINAL DE NUESTROS ARCHIVOS,
 AMPARA LA REMISION No. _____
 TEL 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 DIN EN 10204 3.1.B

"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: Jan. 27, 2006 Signed: _____ Date: _____
 Tom L. Harrington: Quality Assurance Manager Notary Public (if applicable)

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JAN-27-2006 FRI 11:39 AM TXI CHAPARRAL STEEL FAX NO. 972/791209 P. 16/17