

Ship To: 1
 FERRECBASA SA DE CV
 12018 AUBURN RD.
 LAREDO
 TX 78045
 US

SIZE
 W 16 X 50 #

GRADE
 992/572-50

LENGTH
 40 FT

PRODUCT
 WF BEAMS

Order Date: 04/26/2
 PO No: 042604
 Mill Order No: 2762658
 Load No: 879240
 Manifest No: 1605631

CERTIFIED MATERIAL TEST REPORT
CHAPARRAL STEEL
 300 Ward Rd.
 Midlothian, TX
 76065-9651
 (972) 775-8241
A670C

FERRECBASA SA DE CV
 217 HOLBEIN DESP. 404
 COL. NOCHE BUENA
 MEXICO CITY
 DF
 MX

HEAT NO: 11632920

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.10	1.02	.011	.036	.27	.25	.08	.10	.027	.008	.001	.004	.013	.32

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	%
55.2	380.6	73.3	505.4	0.897	5.79	26.6	8 In	8 In	200 mm	
55.0	379.2	73.7	508.1	0.953	6.15	24.9	8 In	8 In	200 mm	

All manufacturing processes of this product, including electric arc melting and continuous casting, occurred in the U.S.A.

"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: May 10, 2004 Signed: _____ Date: _____
 Tom L. Harrington: Quality Assurance Manager Notary Public (if applicable)