

NUCOR-YAMATO STEEL CO.

P O BOX 1228
 BLYTHEVILLE AR 72316

DATE
 8/23/06

CERTIFIED MILL TEST REPORT

100% MELTED AND MANUFACTURED IN U.S.A

All shapes produced by Nucor-Yamato Steel are cast and rolled to a fully killed and fine grain practice.

SOLD TO

FERRE BARNIEDO, S.A. DE C.V.
 AV REVOLUCION NO 81
 SAN CRISTOBAL ECATEPEC
 EDO DE MEXICO 55000

SHIP TO

FERRE BARNIEDO C/O TAF FORWARDING
 1207 UNIROYAL DRIVE
 FINAL: SAN LUIS POTOSI, SLP MK
 LAREDO, TX

INVOICE
 69266
 BILL OF LADING
 801335

CUSTOMER NO.
 5446
 CUSTOMER P.O.
 FERRE 7/5/06

2 SPECIFICATIONS GRADE: ASTM A992/A992M-04a A572/A572M GR50-04 ASTM A709/A709M-03a GR50 (345) ASTM A6/A6M-05a

32390

ITEM	ITEM DESCRIPTION	QTY	HEAT #	MECHANICAL PROPERTIES								CHEMICAL PROPERTIES												
				YIELD TO TENSILE RATIO	YIELD STRENGTH FBI MPa	TENSILE STRENGTH FBI MPa	ELONG % K	CHARPY IMPACT		C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Cb	CE			
								TEMP F C	IMPACT ENERGY FT-LBS JOULES															
1	W24 -131.0	2	280661	.77	58000	75000	27				.081	.30	.014	.018	.24	.31	.10	.10	.03	.00	.019	.36		
	40' P24/3195Z			.76	57000	75000	27																	
	W610 x195.0																				.01	.19		
2	W24 -131.0	10	280663	.77	57000	74000	27				.081	.31	.015	.021	.25	.32	.11	.11	.03	.00	.019	.36		
	40' -			.77	58000	75000	28																	
	W610 x195.0																				.01	.19		
3	W24 -131.0	18	280666	.78	57000	73000	28				.071	.30	.015	.017	.26	.29	.10	.09	.03	.00	.020	.34		
	40' -			.78	56000	72000	29																	
	W610 x195.0																				.01	.16		
4	W24 -131.0	1	280668	.79	59000	75000	26				.081	.30	.015	.022	.26	.32	.11	.10	.03	.00	.020	.36		
	40' -			.78	59000	76000	27																	
	W610 x195.0																				.01	.19		
5	W24 -131.0	2	280685	.77	57000	74000	27				.081	.30	.018	.022	.21	.37	.11	.13	.03	.00	.018	.36		
	40' -			.76	56000	74000	27																	
	W610 x195.0																				.01	.19		

FERRE BARNIEDO, S.A. DE C.V.

ESTE CERTIFICADO ES COPIA FIEL
 DEL ORIGINAL DE NUESTROS ARCHIVOS
 AMPARA LA REMISION No. _____

ELONGATION BASED ON 8.00 INCH GAUGE LENGTH
 $P_{cm} = C + Mn / 30 + Ni / 20 + Cu / 20 + Nb + Mo / 15 + V / 10 + Sb + In / 10$
 Corrosion Index: $CI = 26.01(\%C) + 3.88(\%Ni) + 1.2(\%Cr) + 1.49(\%Si) + 17.22(\%P) + 7.29(\%Cu) + (\%Ni) + 9.10(\%Ni) + (\%P) + 33.39(\%Cu)$

I hereby certify that the contents of this report are accurate and correct. All test results and operations performed by this material manufacturer are in compliance with the requirements of the material specifications, and when designated by the purchaser, meet the applicable specifications.

GARY PENNELL
 QUALITY ASSURANCE

STATE OF ARKANSAS
 COUNTY OF MISSISSIPPI
 SWORN TO AND SUBSCRIBED BEFORE ME THIS
 _____ Day of _____

NOTARY PUBLIC

NUCOR-YAMATO STEEL CO.

P O BOX 1228
 BLYTHEVILLE AR 72316

DATE
 4/21/06

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 100% MELTED AND MANUFACTURED IN U.S.A

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 AV REVOLUCION NO 81
 SAN CRISTOBAL ECATEPEC
 EDO DE MEXICO 55000-0000

SHIP TO

FERRE BARNIEDO C/O TAF FORWARDING
 1207 UNIROYAL DRIVE
 FINAL: SAN LUIS POTOSI, SLP MX
 LAREDO, TX

INVOICE
 38633
 BILL OF LADING
 781700

CUSTOMER NO.
 5446
 CUSTOMER P.O.
 FERRE 24 2ND

SPECIFICATIONS GRADE: ASTM A992/A992M-04a A572/A572M GR50-03a ASTM A709/A709M-03a GR50 (345)
 ASTM A709/A709M-03a GR50S (345S) ASTM A6/A6M-04a

30825

ITEM	ITEM DESCRIPTION	QTY	HEAT #	MECHANICAL PROPERTIES								CHEMICAL PROPERTIES												
				YIELD TO TENSILE MPa	YIELD STRENGTH MPa	TENSILE STRENGTH MPa	ELONG %	CHARPY IMPACT		C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Cb	CE			
								TEMP F	IMPACT ENERGY FT-LBS JOULES															
1	W24 -131.0	12	273092	.75	54000	72000	27				.071	.21	.022	.025	.23	.28	.11	.13	.03	.00	.019	.33		
	40' 2413195 I			.74	53000	72000	27																	
	W610 x195.0 12.192 M					372	496	27																
2	W24 -131.0	15	273095	.77	55000	71000	28				.071	.24	.024	.025	.25	.28	.10	.11	.03	.00	.019	.34		
	40' -			.75	54000	72000	27																	
	W610 x195.0 12.192 M					379	490	28																
3	W24 -131.0	3	273097	.76	55000	72000	28				.061	.21	.019	.023	.24	.30	.11	.09	.03	.00	.019	.31		
	40' -			.76	54000	71000	28																	
	W610 x195.0 12.192 M					379	496	28																
4	W24 -131.0	3	273107	.72	50000	69000	26				.061	.22	.024	.020	.23	.28	.10	.13	.03	.00	.016	.32		
	40' -			.74	52000	70000	28																	
	W610 x195.0 12.192 M					345	476	26																

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

ELONGATION BASED ON 8.00 INCH GAUGE LENGTH
 Pcm = C + Mn / 30 + Mn / 20 + Cu / 20 + Ni / 60 + Cr / 20 + Mo / 15 + V / 10 + 5B \times 1000
 Corrosion Index: CI = 26.01(%Cu) + 3.83(%Ni) + 1.2(%Cr) + 1.49(%Si) + 17.23(%P) - 7.29(%Cu)(%Ni) - 9.10(%Ni)(%P) - 33.39(%Cu)²

I hereby certify that the contents of this report are accurate and correct. All test results and operations performed by this material manufacturer are in compliance with the requirements of the material specifications, and when designated by the purchaser, meet the applicable specifications.

STATE OF ARKANSAS
 COUNTY OF MISSISSIPPI
 SWORN TO AND SUBSCRIBED BEFORE ME THIS
 Day of _____ NOTARY PUBLIC

GARY PENNELL
 QUALITY ASSURANCE