

Sections Commercial S.A.
 66, rue de Luxembourg
 L-4221 ESCH-SUR-ALZETTE



66, rue de Luxembourg, L-4221 Esch-sur-Alzette
 R.C. Luxembourg Section B 36.177

Mill:
 ProfilArbed Differdange

Certificate Nr X 743497

Delivery note number 743497 from 1 July 2005

Our reference : 1700003653
 Your reference : 0206005
 02.06.2005
 Consignee : Ferre Barniedo, S.A. de C.V.

Arcelor International America, LLC
 Mill business, Long Products
 350 Hudson Street
 NEW YORK NY 10014
 USA

28579

ASTM A 572/01 GRADE 50

Manufacturer's test certificate acc. to ASTM A 6 - PAR. 18.

Ord.item	Product	Length	Weight	Heat nr	Weight	Bund.	Bars
000002	W 14 X 14,5 X 99 W 360 X 370 X 147	40' 12.192 mm	199,516 mt				
				3785	26,708 mt	15	
				3786	87,332 mt	49	
				3787	42,729 mt	24	
				13787	42,747 mt	24	
000005	W 14 X 14,5 X 132 W 360 X 370 X 196	40' 12.192 mm	73,942 mt				
				3560	16,696 mt	7	
				3561	28,668 mt	12	
				13559	28,578 mt	12	

Heat nr	Heat analysis (%)								
	C	Mn	P	S	Si	V	Nb	Mn/C	
Min					0,10	0,010			
Max	0,23	1,50	0,040	0,050	0,40	0,150			
3560	0,16	1,24	0,022	0,027	0,18		0,009	7,70	
3561	0,16	1,27	0,026	0,021	0,17		0,010	8,01	
3785	0,16	1,04	0,015	0,026	0,18	0,013	0,001	6,69	
3786	0,16	1,04	0,015	0,015	0,18	0,012	0,001	6,50	
3787	0,08	1,41	0,016	0,025	0,18	0,054	0,001	17,85	
13559	0,17	1,29	0,026	0,022	0,19		0,008	7,65	
13787	0,16	1,04	0,015	0,015	0,18	0,012	0,001	6,50	

Heat nr	Tensile test			
	PSI	PSI 200 mm	UTS	El. (%)
Min	50.000	65.000	18,00	
Max				
3560	55.390	79.605	23,98	
3560	55.390	84.680	20,03	

FERRE BARNIEDO, S.A. DE C.V.
 CERTIFICADO ES COPIA FIEL
 DEL ORIGINAL DE NUESTROS ARCHIVOS,
 PARA LA REMISION No.

Bettendorff Julien
 Porteur de signature spéciale

TEL 58-36-10-00 ventas@ferrebarniedo.com.mx

Agent:

Arcelor Sections Commercial S.A.
66, rue de Luxembourg
L-4221 ESCH-SUR-ALZETTE



ARCELOR SECTIONS COMMERCIAL S.A.
Arcelor Group

66, rue de Luxembourg, L-4221 Esch-sur-Alzette
R.C. Luxembourg Section B 36.177

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ProfilArbed Differdange

Certificate Nr X 743497

Delivery note number 743497 from 1 July 2005

Our reference : 1700003653
Your reference : 0206005
02.06.2005
Consignee : Ferre Barniedo, S.A. de C.V.

Arcelor International America, LLC
Mill business, Long Products
350 Hudson Street
NEW YORK NY 10014
USA

ASTM A 572/01 GRADE 50

Manufacturer's test certificate acc. to ASTM A.6 - PAR. 18.

Heat nr

Tensile test

PSI	PSI 200 mm
Ys	UTS El. (%)

Min	50.000	65.000	18,00
Max			

3561	55.970	80.185	22,02
3561	55.535	81.780	21,94
3785	55.390	76.125	24,94
3785	55.680	76.125	25,32
3786	55.100	76.560	26,26
3786	55.970	76.705	25,00
3787	59.450	73.370	25,25
3787	58.290	71.920	25,00
13559	55.100	83.955	19,98
13559	53.940	82.215	20,00
13787	57.275	75.255	26,73
13787	56.115	73.805	26,00

FERRE BARNIEDO, S.A. DE C.V.
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DEL ORIGINAL DE NUESTROS ARCHIVOS,
AMPARA LA REMISION No. _____
TEL. 58-36-10-00 ventas@ferrebarniedo.com.mx

Bettendorff Julien

Porteur de signature spéciale

YAMATO STEEL CO.
 P O BOX 1228
 BLYTHEVILLE AR 72316

DATE
 2/24/05

27803

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 BARRIEDO, S.A. DE C.V.
 AV REVOLUCION NO 81
 SAN CRISTOBAL ECATEPEC
 EDO DE MEXICO 55000-0000

SHIP TO
 FERRE BARRIEDO C/O TAF FORWARDING
 SR DELFIN 956-723-7112 FX8777
 1207 UNIROYAL DRIVE
 LAREDO, TX

2 **SPECIFICATIONS GRADE:** ASTM A992-02 ASTM A572GR50-01 ASTM A67/A6M-02B
 ASTM A709/A709M-01b GR50 (345)
 ASTM A709/A709M-01b GR50s (345s)

INVOICE 922335	CUSTOMER NO. 3446
BILL OF LADING 718504	CUSTOMER P.O. 022105

ITEM	ITEM DESCRIPTION	QTY	HEAT #	MECHANICAL PROPERTIES								CHEMICAL PROPERTIES													
				YIELD TO TENSILE RATIO	YIELD STRENGTH PSI MPa	TENSILE STRENGTH PSI MPa	ELONG % IN	CHARPY IMPACT		C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Cb	CE				
								TEMP F C	IMPACT ENERGY FT-LBS JOULES													Sn	Pcm	CI	
1	W14 - 90.0	1	249001	.77	58000	75000	25					.081	.34	.016	.023	.27	.37	.12	.13	.03	.05	.002	.37		
	40'			.79	59000	75000	25														.01	.19			
	W360 x134.0					400	517	25																	
	12.192 M					407	517	25																	
2	W14 - 90.0	8	249002	.77	56000	73000	24					.061	.31	.015	.024	.27	.32	.13	.12	.03	.04	.002	.35		
	40'			.77	57000	74000	26																		
	W360 x134.0					386	503	24																	
	12.192 M					393	510	26																	
3	W14 - 99.0	2	248934	.75	58000	77000	25					.061	.38	.018	.025	.27	.33	.11	.12	.03	.06	.001	.36		
	40'			.77	60000	78000	25																		
	W360 x147.0					400	531	25																	
	12.192 M					414	538	25																	
4	W14 - 99.0	1	248945	.77	57000	74000	25					.081	.34	.016	.016	.28	.29	.13	.10	.04	.05	.002	.37		
	40'			.77	58000	75000	24																		
	W360 x147.0					393	510	25																	
	12.192 M					400	517	24																	
5	W14 - 99.0	3	249004	.76	58000	76000	26					.071	.31	.015	.025	.24	.30	.12	.13	.03	.04	.000	.36		
	40'			.76	56000	74000	26																		
	W360 x147.0					400	524	26																	
	12.192 M					386	510	26																	
6	W14 - 99.0	3	249006	.75	56000	75000	25					.081	.31	.015	.021	.25	.40	.12	.11	.03	.04	.000	.37		
	40'			.76	57000	75000	25																		
	W360 x147.0					386	517	25																	
	12.192 M					393	517	25																	
7	W14 - 99.0	3	249007	.77	57000	74000	25					.071	.35	.018	.022	.19	.34	.12	.13	.04	.04	.001	.37		
	40'			.76	56000	74000	25																		
	W360 x147.0					393	510	25																	
	12.192 M					386	510	25																	

ELONGATION BASED ON 8.00 INCH GAUGE LENGTH
 $P_{cm} = C + 81 / 30 + Mn / 20 + Cu / 20 + Ni / 60 + Cr / 20 + Mo / 15 + V / 10 + 5B - Approx .0005$
 Corrosion Index: $CI = 26.01(\%Cu) + 3.88(\%Ni) + 1.2(\%Cr) + 1.49(\%Si) + 17.28(\%P) - 7.29(\%Cu)(\%Ni) - 9.10(\%Ni)(\%P) - 33.39(\%Cu)^2$
 CARBON EQUIVALENT CE = $C + Mn/6 + (Cr+Mo+V) / 5 + (Ni+Cu) / 15$

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

Sections Commercial S.A.
 rue de Luxembourg
 L-4221 ESCH-SUR-ALZETTE



ARCELOR SECTIONS COMMERCIAL S.A.
 Arcelor Group

66, rue de Luxembourg, L-4221 Esch-sur-Alzette
 R.C. Luxembourg Section B 36.177

Mill:
 ProfilArbed Differdange

Certificate Nr X 801545

Delivery note number 801545 from 2 November 2005

Our reference : 1700004015
 Your reference : CPO CT6
 06.10.2005
 Consignee : Ferre Barniedo, S.A. de C.V.

Arcelor International America, LLC
 Mill business, Long Products
 350 Hudson Street
 NEW YORK NY 10014
 USA

29548

ASTM A 572/01 GRADE 50

Manufacturer's test certificate acc. to ASTM A 6 - PAR. 18.

Ord.item	Product	Length	Weight	Heat nr	Weight	Bund.	Bars
000001	W 24 X 12,75 X 104 W 610 X 325 X 155	40' 12.192 mm	192,970 mt				
				6498	74,880 mt	40	
				6499	50,643 mt	27	
				6500	16,888 mt	9	
000002	W 24 X 12,75 X 117 W 610 X 325 X 174	40' 12.192 mm	178,440 mt				
				6499	31,755 mt	15	
				6500	67,327 mt	32	
				6501	50,201 mt	24	
000003	W 24 X 12,75 X 131 W 610 X 325 X 195	40' 12.192 mm	229,070 mt				
				6502	72,439 mt	31	
				6503	44,470 mt	19	
				16468	4,682 mt	2	
000004	W 24 X 12,75 X 162 W 610 X 325 X 241	40' 12.192 mm	148,637 mt				
				6496	110,641 mt	38	
				6497	37,996 mt	13	
000005	W 24 X 12,75 X 176 W 610 X 325 X 262	40' 12.192 mm	84,998 mt				
				6455	62,944 mt	20	
				6497	22,054 mt	7	
000006	W 24 X 12,75 X 229 W 610 X 325 X 341	40' 12.192 mm	119,676 mt				
				6538	16,582 mt	4	
				6546	103,094 mt	25	

FERRE BARNIEDO, S.A. DE C.V.
 ESTE CERTIFICADO ES COPIA FIEL
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 AMPARA LA REMISION No. _____

Bettendorff Julien

Porteur de signature spéciale

TEL: 53-36-10-00 vert@ferrebarniedo.com.mx

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 Mill business, Long Products
 350 Hudson Street
 NEW YORK NY 10014
 USA

ASTM A 572/01 GRADE 50

Manufacturer's test certificate acc. to ASTM A 6 - PAR. 13.

Heat nr	Heat analysis (%)										
	C	Mn	P	S	Si	V	Nb	Mn/C			
	Min				0,10	0,010					
	Max				0,23	1,50	0,040	0,050	0,40	0,150	0,050
6455	0,16	1,26	0,018	0,027	0,17		0,012	7,66			
6496	0,17	1,26	0,029	0,024	0,18		0,010	7,50			
6497	0,16	1,25	0,021	0,029	0,18		0,011	7,62			
6498	0,17	1,07	0,026	0,023	0,17		0,005	6,33			
6499	0,17	1,05	0,025	0,013	0,17		0,008	6,29			
6500	0,15	1,04	0,023	0,029	0,17		0,006	6,72			
6501	0,17	1,04	0,026	0,015	0,17		0,006	6,23			
6502	0,16	1,06	0,023	0,027	0,18		0,008	6,64			
6503	0,09	1,45	0,021	0,014	0,18		0,024	16,70			
6538	0,09	1,25	0,020	0,028	0,15	0,036	0,001	14,71			
6546	0,09	1,50	0,020	0,029	0,20	0,061	0,002	16,83			
16468	0,10	1,05	0,026	0,025	0,18		0,037	10,01			
16498	0,17	1,07	0,026	0,023	0,17		0,005	6,33			
16503	0,16	1,06	0,023	0,027	0,18		0,008	6,64			
16504	0,09	1,45	0,021	0,014	0,18		0,024	16,70			

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 LA REMISION No. _____
 TEL: 5836-10-00 vconter@ferrebarniedo.com.mx

Heat nr	Tensile test		
	PSI	PSI 200 mm	Ys UTS El. (%)
	Min	50.000	65.000
Max			
6455	60.900	80.620	27,80
6455	61.915	81.925	27,90
6496	59.595	81.925	24,35
6496	60.175	82.215	24,42
6497	59.160	81.055	24,92
6497	60.320	80.330	27,55
6497	58.870	81.780	24,05
6498	66.990	83.665	22,85

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ASTM A 572/01 GRADE 50

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Heat nr	Tensile test		
	PSI	PSI 200 mm	
	Ys	UTS	El. (%)

	Min	50.000	65.000	18,00
	Max			
6498	68.150	84.680	23,42	
6499	61.480	79.895	26,04	
6499	66.990	83.955	22,28	
6500	60.755	78.010	25,05	
6500	63.365	80.765	25,18	
6501	59.450	77.285	27,23	
6501	58.290	75.690	27,00	
6502	60.030	78.010	27,06	
6502	58.870	76.415	27,00	
6503	61.045	75.545	27,34	
6503	62.495	75.835	26,11	
6538	62.785	79.460	24,22	
6538	62.930	79.315	24,00	
6546	63.945	81.200	23,70	
6546	63.655	80.910	23,17	
6468	60.320	75.545	27,02	
16468	59.160	74.095	26,00	
16498	70.035	85.260	22,03	
16498	68.585	83.520	22,00	
16503	64.670	75.400	25,95	
16503	62.205	76.850	26,41	
16504	64.670	74.820	25,97	
16504	59.305	77.140	25,92	

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 LA REMISION No. _____
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