

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.

NUCOR-YAMATO STEEL CO.

P.O. BOX 1228 • BLYTHEVILLE, AR 72316

DATE 4/24/13

INVOICE NO. 549878

BILL OF LADING 107425

CUSTOMER NO. 0829

CUSTOMER P.O. FORTACERO

SHIP TO
FORTACERO C/O GULF STREAM MARINE
PORT OF BROWNSVILLE
BROWNSVILLE, TX

SPECIFICATIONS
ASTM A992/A992M-11 A572/A572M GR50-07
ASTM A709/A709M-11 GR50 (345)
ASTM A709/A709M-11 GR50S (345S)
ASTM A6/A6M-12

SOLD TO
FORTACERO S.A. DE CV
BLVD CARLOS SALINAS DE GORTARI
KM 8.8
APODACA, N.L. MEXICO 66600

ITEM #	ITEM DESCRIPTION	QTY	HEAT #	MECHANICAL PROPERTIES						CHEMICAL PROPERTIES													
				YIELD TO TENSILE RATIO	YIELD STRENGTH	TENSILE STRENGTH	ELONG	CHARPY IMPACT		C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Cb	CE		
					PSI	PSI		* F	FT-LBS														
					MPa	MPa		* G	JOULES														
1	W12 - 65.0 40' W310 x 97.0 12.192 M	43	403227	.80	56000	70000	27					.07	1.03	.012	.026	.23	.22	.11	.13	.04	.01	.021	.30
2	W12 - 65.0 40' W310 x 97.0 12.192 M	66	403228	.79	55000	70000	27					.07	1.03	.012	.026	.23	.28	.10	.10	.03	.01	.022	.30
3	W12 - 65.0 40' W310 x 97.0 12.192 M	76	403230	.78	54000	69000	26					.07	1.00	.011	.024	.22	.28	.10	.10	.03	.01	.020	.30
4	W12 - 65.0 40' W310 x 97.0 12.192 M	55	403233	.79	55000	70000	27					.07	1.00	.010	.021	.22	.23	.11	.09	.04	.01	.020	.29
5	W12 - 65.0 40' W310 x 97.0 12.192 M	61	403235	.79	55000	70000	26					.07	1.00	.012	.024	.21	.24	.10	.11	.04	.01	.019	.29
6	W12 - 65.0 40' W310 x 97.0 12.192 M	59	403238	.78	56000	72000	26					.08	1.02	.011	.021	.26	.23	.10	.10	.04	.01	.021	.30
7	W12 - 65.0 40' W310 x 97.0 12.192 M	28	403240	.77	55000	71000	26					.08	1.00	.013	.023	.24	.23	.10	.10	.04	.01	.021	.30
8	W12 - 65.0 40' W310 x 97.0 12.192 M	1	403248	.79	55000	70000	26					.07	1.00	.009	.023	.24	.27	.11	.10	.04	.00	.021	.30
9	W12 - 65.0 40' W310 x 97.0 12.192 M	10	403250	.77	55000	71000	27					.08	1.01	.010	.022	.23	.28	.11	.11	.04	.01	.019	.31

ELONGATION BASED ON 8.00 INCH GAUGE LENGTH

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 listed in the Specifications Block above.

Day Linnell

QUALITY ASSURANCE

CUSTOMER COPY

STATE OF ARKANSAS COUNTY OF MISSISSIPPI
SWORN TO AND SUBSCRIBED BEFORE ME THIS
24 Day of 04/13
Charlene Wallis NOTARY PUBLIC
MY COMMISSION EXPIRES 10/21/2013

