DATE	7/09/09
INVOICE NO.	302382
BILL OF LADING	956862
CUSTOMER NO.	5829
CUSTOMER P.O.	4500057704

NUCOR-YAMATO STEEL CO.
P.O. BOX 1228 ● BLYTHEVILLE,AR 72316

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.

SHIP TO
FORTACERO C/O DICEX INTERNATIONAL
8307 KILLAM INDUSTRIAL PARK
FINAL DESTINATION - MONTERREY, MX
LAREDO, TX 78045

SPECIFICATIONS
ASTM A992/A992M-06a A572/A572M GR50-06
ASTM A709/A709M-07 GR50 (345)
ASTM A709/A709M-07 GR50S (345S)
ASTM A6/A6M-07

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: YIELD TO TENSILE RATIO	YIELD STRENGTH PSI / MPa	TENSILE STRENGTH PSI / MPa	ELONG % / %	CHARPY IMPACT TEMP °F / °C	IMPACT ENERGY FT-LBS / JOULES	CHEMICAL PROPERTIES: C	Mn	P	S	Si	Cu	Ni	Cr	Mo / Sn	V / Pcm	Cb	CE / Ci
1	W12 - 65.0	1	335702	.79	56000	71000	27			.08	1.10	.020	.026	.27	.29	.10	.12	.03	.00	.020	.32
	40'			.79	56000	71000	26											.01	.17		
	W310 x 97.0				386	490	27														
	12.192 M				386	490	26														
2	W12 - 65.0	12	335703	.79	56000	71000	25			.07	1.10	.021	.025	.24	.28	.09	.13	.03	.00	.019	.30
	40'			.83	59000	71000	26											.01	.16		
	W310 x 97.0				386	490	25														
	12.192 M				407	490	26														
3	W12 - 65.0	6	335704	.77	55000	71000	26			.07	1.01	.017	.022	.21	.29	.09	.14	.03	.00	.018	.30
	40'			.80	57000	71000	25											.01	.15		
	W310 x 97.0				379	490	26														
	12.192 M				393	490	25														
4	W12 - 65.0	6	335705	.79	56000	71000	27			.07	1.01	.015	.021	.23	.29	.09	.11	.03	.00	.019	.30
	40'			.80	57000	71000	26											.01	.15		
	W310 x 97.0				386	490	27														
	12.192 M				393	490	26														
5	W12 - 65.0	18	335707	.81	56000	69000	26			.07	1.04	.015	.026	.22	.28	.09	.09	.03	.01	.018	.29
	40'			.79	55000	70000	26											.01	.14		
	W310 x 97.0				386	476	26														
	12.192 M				379	483	26														
6	W12 - 65.0	20	335708	.78	57000	73000	26			.07	1.10	.019	.021	.24	.26	.09	.11	.03	.00	.019	.30
	40'			.81	60000	74000	26											.01	.16		
	W310 x 97.0				393	503	26														
	12.192 M				414	510	26														

CARBON EQUIVALENT: CE = CE(IIW) = C + Mn/6 + (Cr+Mo+V)/5 + (Ni+Cu)/15

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.

Gary Lemmell
QUALITY ASSURANCE

CUSTOMER COPY

STATE OF ARKANSAS COUNTY OF MISSISSIPPI
SWORN TO AND SUBSCRIBED BEFORE ME THIS 9 Day of 07/09

Charlene Wallis NOTARY PUBLIC

MY COMMISSION EXPIRES 10/21/2015

CHARLENE WALLIS MY Comm. Exp. NOTARY PUBLIC 10-21-2015 MISSISSIPPI CO. ARKANSAS