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

DATE
2/25/06

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

SHIP TO
FORTACERO C/O GULF STREAM MARINE
PORT OF BROWNSVILLE
ATTN MARK 956-831-6766
BROWNSVILLE, TX 66600

INVOICE	CUSTOMER NO.
25371	0829
BILL OF LADING	**CUSTOMER P.O.**
773951	4500029028

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

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	W16 - 26.0	122	269093	.81	56000	69000	25			.06	.94	.015	.035	.28	.31	.10	.10	.03	.00	.016	.28
	40'			.82	56000	68000	24											.01	.15		
	W410 x 38.8				386	476	25														
	12.192 M				386	469	24														
2	W16 - 26.0	83	269095	.82	56000	68000	26			.06	.90	.013	.035	.25	.31	.10	.08	.03	.00	.015	.26
	40'			.81	56000	69000	24											.01	.14		
	W410 x 38.8				386	469	26														
	12.192 M				386	476	24														
3	W16 - 26.0	37	269098	.80	56000	70000	24			.08	.91	.015	.035	.27	.33	.10	.10	.02	.00	.016	.28
	40'			.78	54000	69000	23											.01	.17		
	W410 x 38.8				386	483	24														
	12.192 M				372	476	23														

ELONGATION BASED ON 8.00 INCH GAUGE LENGTH

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

Pcm=C+Si / 30+Mn / 20+Cu / 20+Ni / 60+Cr / 20+Mo / 15+V / 10+5B B-Aypcm .0015

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

I hereby certify that the contents of this report are correct 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