

NUCOR STEEL - BERKELEY  
 P.O. Box 2259  
 Mt. Pleasant, S.C. 29464  
 Phone: (843) 336-6000

MILL TEST REPORT

10/31/08 3:37:1:  
 100% MELTED AND MANUFACTURED IN THE USA  
 All beams produced by Nucor-Berkeley are cast and  
 rolled to a fully killed and fine grain practice

Sold To: FORTACERO SA DE CV  
 BIVD CARLOS SALINAS DE XM 8.8  
 RULE 11 - LAREDO  
 APDACA, NL 66600

Ship To: FORTACERO SA DE CV  
 BIVD CARLOS SALINAS DE XM 8.8  
 RULE 11 - LAREDO  
 APDACA, NL 66600

Customer #: 1872 - 1  
 B.o.L. #: 724043

\* SPECIFICATIONS: Tested in accordance with ASTM specification A6/A6M and A370.

AASHTO : M270-50-05  
 ASME : SA-36 07a  
 ASTM : A992-06a;A36-08/A572-07-50/A709-08 50/A709-345M

Description	Heat# Grade(s) Test	Yield/ Tensile Ratio	Yield (PSI) (MPa)	Tensile (PSI) (MPa)	Elong %	C	Mn	P	S	Si	Cu	Ni	CE1	
						Cr	Mo	Sn	B	V	Nb	***** CI	CE2	
C12X20.7 040' 00.00' C310X30.8 012.1920m	1815141 A992-06a	.84	57000 393	67900 468	23.38 25.35	.06 .03	.87 .00	.007 .0042	.018 .0001	.18 .003	.06 .029	.03 2.16	.22 .2650 .1244	
						9 Piece(s) Customer PO: 4500050141							Inv#:	0
W10x12 040' 00.00' W250X17.9 012.1920m	1813483 A992-06a	.81	56000 386	69100 476	27.40 28.11	.06 .04	.82 .01	.009 .0095	.027 .0002	.19 .003	.22 .013	.05 4.73	.23 .2664 .1288	
						14 Piece(s) Customer PO: 4500050589							Inv#:	0
W10x12 040' 00.00' W250X17.9 012.1920m	1813485 A992-06a	.82	54800 378	67100 463	28.65 26.96	.06 .03	.84 .01	.008 .0089	.027 .0002	.19 .003	.20 .013	.05 4.51	.23 .2700 .1302	
						106 Piece(s) Customer PO: 4500050589							Inv#:	0

7 Heat(s) for this MIR.

Elongation based on 8' (20.32cm) gauge length. 'No Weld Repair' was performed.

$$CI = 26.01Cu + 3.88Ni + 1.20Cr + 1.49Si + 17.28P - (7.29Cu \times Ni) - (9.10Ni \times P) - 33.39(Cu \times Cu)$$

$$Pcm = C + (Si/30) + (Mn/20) + (Cu/20) + (Ni/60) + (Cr/20) + (Mo/15) + (V/18) + 5B$$

$$CE1 = C + (Mn/6) + ((Cr+Mo+V)/5) + ((Ni+Cu)/15)$$

$$CE2 = C + ((Mn+Si)/6) + ((Cr+Mo+V+Cb)/5) + ((Ni+Cu)/15)$$

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

Bruce A. Work  
 Metallurgist

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