

NUCOR STEEL - BERKELEY
 P.O. Box 2239
 Mt. Pleasant, S.C., 29464
 Phone: (843) 336-6000

CERTIFIED MILL TEST REPORT

12/04/14 18:42:25
 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,
 Mercury has not been used in the direct manufacturing of this material.

Sold To: PIESA ANRHURC Y CIA SA DE CV
 AVE VALLE DE LOS ALAMEDAS
 NO 66-0
 TULLITIAN, EM 54940

Ship To: DIX SHIPPING PORT OF TAMPICO
 TERMINAL MUELLES FISCALES
 CPT MUELLES FISCALES, TM
 TAMPICO, TM 89000

Customer #: 3926 - 2
 Customer PO: 19386
 B.O.I. H...: 1107118
 MOS: B

SPECIFICATIONS: Tested in accordance with ASTM specification A6/A6M-14 and A370, Quality Manual Rev #27.

ASHTO : M270-50-10
 RSMT : SR-36 07a
 ASTM : A992-11/A936-12/A529-14-50/A572 5013a/A709-5013a
 CSR : G40,2150WM/G402150WMT

Description	Heat Grade(s)	Yield/ Tensile Ratio	Yield (MPa)	Tensile (MPa)	Elong %	C Cr	Mn Mo Ti	P Sb	S	Si V N	Cu ND	Ni CI	CE1 CE2 Pcm
W12x14	1413848	.83	57100	69200	28.01	.07	.84	.011	.030	.23	.16	.04	.23
040' 00.00'	R992-11	.83	394	477	27.39	.05	.01	.0076	.0004	.004	.016	4.02	.2746
W310x21.0			56000	67800			.001			.0044			.1315
012.1920m			386	467	46 Pct(s)	25,760 lbs							0
W12x14	1413848	.83	57500	69600	28.31	.07	.87	.012	.024	.22	.16	.04	.24
040' 00.00'	R992-11	.83	396	480	26.80	.05	.01	.0070	.0003	.004	.016	4.06	.2756
W310x21.0			57200	69200			.001			.0048			.1300
012.1920m			394	477	74 Pct(s)	41,440 lbs							0

2 Heat(s) for this MTR.

Elongation based on 8" (20.32cm) gauge length, 'No Weld Repair' was performed.
 CE1 = C+(Mn/5)+((Cr+Mo+V)/5)+((Ni+Cu)/15)
 CE2 = C+((Mn+Si)/5)+((Cr+Mo+V+Cb)/5)+((Mn+Cu)/15)
 Pcm = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+((Cr/20)+(Mo/15)+(V/10))+5B

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

