

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

CERTIFIED MILL TEST REPORT

10/28/16 10:39:17
 100% EAF 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: PLESA ARRHUAC Y CIA SA DE CV
 AVE VALLE DE LES ALARMEDES
 NO 66-0
 TULITLIAN, EM 54940

Ship To: PORT OF IAMPICO
 TERMINAL MUELLS FISCALES
 CPT MUELLS FISCALES, IM
 IAMPICO, IM 89000

Customer No.: 3926 - 2
 Customer PO: 24452
 B.O.L. #: 1231343
 Invoice #: 1775311 MOS: B

SPECIFICATIONS: Tested in accordance with ASTM Specification A6/A6M-16 and A370. Quality Manual Rev #6 (12-8-15).

ASHTO : A270-345X270-50-10
 ASME : SA 36 13
 ASTM : A992-11(15)/A36-14/A529-14-50/A572 5015/A709-5016a
 CSA : G40-21-50W/G40-2150WM/G402150WMI

Description Part #	Heat Grade(s) Test/Heat JW	Yield/ Tensile Ratio	Yield (PSI) (MPa)	Tensile (PSI) (MPa)	Elong (%)	Chemical Composition										
						C *****	Cr *****	Mn Mo Ii	P S B V N	Si V N	Cu Nb *****	Ni ***** CI	CE1 CE2 PCm			
W6X12 040, 00.00* W150X18.0 012.1920m	2610317 A992-11(15)	.83	58600 404 487	70600 487	26.09	.07 .04	.008 .0075	.85 .01 .001	.008 .0003	.025 .0004 .0048	.15 .027	.04	.23 .2731 .1304			
W6X12 040, 00.00* W150X18.0 012.1920m	2610311 A992-11(15)	.83	59600 411 494	71700 494	23.44	.07 .03	.008 .0081	.85 .01 .001	.022 .0003	.19 .004 .0048	.13 .029	.04	.23 .2657 .1278			
W6X20 040, 00.00* W150X29.8 012.1920m	1612157 A992-11(15)	.82	57100 394 481	69700 481	24.94	.07 .05	.009 .0067	1.01 .01 .001	.028 .0004	.24 .003 .0062	.15 .028	.04	.25 .3096 .1418			
W6X9 060, 00.00* W150X13.5 018.2680m	2612906 A992-11(15)	.81	55400 382 471	68300 471	25.44	.07 .05	.007 .0108	.84 .01 .001	.030 .0003	.24 .004 .0060	.28 .014	.08	.24 .2863 .1369			

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 Elongation based on 8" (20.32cm) gauge length. No Weld Repair, was performed, Hg free and no contact with Hg during manufacture.
 C1 = 26.01(Cu+3.68Ni+1.20Cr+1.49Si+17.28P-(7.29Cu+Ni)-(9.10Ni+P))-33.39(Cu+Cu)
 PCm = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+(Cr/20)+(Mo/15)+(V/10)+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
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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/
 Quality Control

