

**LAND 15
 NUCOR STEEL - BERKELEY
 P.O. Box 2259
 Mt. Pleasant, S.C. 29464
 Phone: (843) 336-6000

CERTIFIED MILL TEST REPORT

9/06/13 14:47:47
 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: SUPERIOR SUPPLY AND STEEL
 PO BOX 2388
 SULPHUR, LA 70664

Ship To: SUPERIOR SUPPLY & STEEL
 1948 GRAND CAILLOU ROAD
 HOUMA, LA 70363

Customer #: 808 - 14
 Customer PO: 0100363-15
 B.O.L. #: 1032296
 MOS: T

SPECIFICATIONS: Tested in accordance with ASTM specification A6-13/A6M-12 and A370. Quality Manual Rev #27.
 ASME : SA-36 07a
 ASTM : A992-11. A36-12/A529-05-50/A572 5012a/A70913 50S
 CSA : CSA-44W/G40.21-50W/G40.21300W/G40.21350W

Description	Test/Heat	JW	Ratio	Yield/Tensile (PSI)	Yield/Tensile (MPa)	Elong %	C	Cr	Mn	Mo	Ti	P	Sn	S	B	Si	V	N	Cu	ND	Ni	CI	CE1	CE2	Pcm
S6X12.5	2311531		.84	59700	71400	23.16	.07	.04	.83	.01	.001	.013	.0086	.029	.0003	.20	.004	.0070	.18	.030	.05		.23	.2706	.1280
020' 00.00"	A992-11		.82	58500	71200	24.91	.04	.01	.80	.01	.001	.008	.0096	.031	.0003	.21	.004	.0066	.22	.028	.06		.23	.2742	.1338
006.0960m				403	491	10 Pc(s)			500 lbs																
S6X12.5	2311532		.82	58900	71700	25.15	.07	.04	.81	.01	.001	.011	.0086	.031	.0002	.23	.004	.0067	.17	.027	.05		.23	.2709	.1294
020' 00.00"	A992-11		.82	58600	71900	24.64	.04	.01	.81	.01	.001	.011	.0086	.031	.0002	.23	.004	.0067	.17	.027	.05		.23	.2709	.1294
006.0960m				404	496	2 Pc(s)			500 lbs																
W6X15	2308853		.82	55900	68000	27.19	.07	.04	.81	.01	.001	.011	.0086	.031	.0002	.23	.004	.0067	.17	.027	.05		.23	.2709	.1294
020' 00.00"	A992-11		.82	55500	67900	26.01	.04	.01	.81	.01	.001	.011	.0086	.031	.0002	.23	.004	.0067	.17	.027	.05		.23	.2709	.1294
006.0960m				383	468	36 Pc(s)			10,800 lbs																
W8X28	2308665		.79	56400	71100	25.01	.07	.05	1.06	.01	.001	.011	.0101	.032	.0005	.22	.005	.0071	.22	.032	.06		.28	.3199	.1460
040' 00.00"	A992-11		.79	56000	70500	24.78	.05	.01	1.06	.01	.001	.011	.0101	.032	.0005	.22	.005	.0071	.22	.032	.06		.28	.3199	.1460
W200X41.7				389	490																				
012.1920m				386	486	12 Pc(s)			13,440 lbs																

Elongation based on 8" (20.32cm) gauge length. 'No Weld Repair' was performed. Hg free and no contact with Hg during manufacture.
 CI = 26.01Cu+3.88Ni+1.20Cr+1.49Si+17.28P-(7.29Cu*Ni)-(9.10Ni*P)-33.39(Cu*Cv)
 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)

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

