

NUCOR STEEL - BERKELEY
 14455 Hagan Avenue
 Ruger, SC 29450
 Phone: (843) 336-6000

CERTIFIED MILL TEST REPORT

1/31/23 3:26:16
 100% EAF MELTED AND MANUFACTURED IN THE USA
 Structural sections produced by Nucor-Berkeley are cast
 and hot rolled to a fully killed and fine grain practice,
 Maximum hot deformationally added at any point during manufacturing.

Customer #: 472 - 4

B.O.L. H...: 1676711

MOS: T

MANHATTAN, KS 66505

CAIDOSA, OK 74015

SPECIFICATIONS: Tested in accordance with ASTM specification A6/A6M-21 and A370-21. Tested in accordance with EN10204-2004-3.1.

RASHTO : M270-50-19
 Quality Manual Rev H16 (4-30-21),
 ASTM : A992-22/A529-19-50/A5725021T1/A7095021

Description	Heat	Yield/	Yield	Tensile	Elong	C	Mn	P	S	Si	Cu	Ni	CE1
Part #	Test/Heat	Tensile	(PSI)	(MPa)	%	Cr	Mo	Sh	B	V	Nb	CI	CE2
		Ratio	(MPa)	(MPa)		***	Ti	***	***	N	***		Pcm
W10X15	2216539	.85	61200	71900	28.00	.07	.86	.007	.020	.17	.20	.12	.25
020' 00.00"	A992-22		422	496	28.00	.08	.03	.0066	.0002	.002	.028		.2865
W250X22.3		.86	62500	72900	28.00		.001			.0065			
006.0960m			431	503	16								.1335
3710150020								Customer PD:	4500544752				
										BoH:	1676711		

Elongation based on 8" (20.32cm) gauge length. No Weld Repair was performed. All mechanical testing is performed by the Quality department.
 CI = 26.01Cu+3.88Ni+1.20Cr+1.49Si+17.28P-(7.29CuXNi)-(9.10NiXP)-33.39(CuXCu)
 Pcm = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+(Cr/20)+(Mo/15)+(V/10)+5B
 CE1 = C+(Mn/5)+((Cr+Mo+V)/5)+((Ni+Cu)/15)
 CE2 = C+(Mn+Si)/6)+((Cr+Mo+V+Cb)/5)+((Ni+Cu)/15)

Nucor certifies 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.

Dmitri Nassyrov
 Metallurgist/
 Quality Control

