

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

Sold To: SUPERIOR SUPPLY AND STEEL  
 PO BOX 2388  
 SULPHUR, IA 70664

Shld To: SUPERIOR SUPPLY & STEEL  
 318 CITY SERVICE HIGHWAY  
 SULPHUR, IA 70663

Customer #: 808 - 1  
 Customer PO: P025116901  
 B.O.I. H...: 1782102  
 MOS: T

CERTIFIED MILL TEST REPORT

8/28/24 21:17:47  
 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,  
 Mercury not intentionally added at any point during manufacturing.

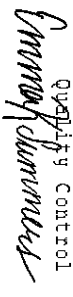
SPECIFICATIONS: Tested in accordance with ASTM specification A6/A6M-22 and A370-22. Tested in accordance with EN10204-2004-3.1.  
 Quality Manual Rev #19 (11-30-22).

RASTRD : M270-50-23  
 ASTM : A992-22/A529-19-50/A57250211/A7095021  
 CSR : G40,2150W

Part #	Description	Heat#	Grade(s)	Yield/ Tensile Ratio	Yield (PSI)	Tensile (MPa)	Elong %	C Cr	Mn Mo Ti	P S	S Si V N	Cu Ni	CE1 CE2	
S8X23	2408410			.81	57200	71000	25.00	.07	1.08	.010	.019	.30	.10	.27
020' 00.00'	A992-22			.82	394	490	25.00	.05	.01	.0055	.0004	.002	.031	.3304
S200X34	58300				402	71500	8 Pc(s)		.001		.0045			.1466
006.0960m						493	3,680 lbs			Customer PO: P025116901				1782102
W10X22	1407276			.85	57400	67200	27.00	.07	.81	.008	.016	.18	.09	.22
020' 00.00'	A992-22			.84	396	463	29.00	.03	.01	.0049	.0003	.001	.027	.2512
W250X32.7	56500				67000	67000	6 Pc(s)		.001		.0077			.1204
006.0960m					390	462	2,640 lbs			Customer PO: P025116901				1782102
W4X13	1410065			.82	56000	66000	24.00	.07	.87	.011	.014	.20	.11	.04
020' 00.00'	A992-22			.82	386	469	24.00	.05	.01	.0061	.0002	.002	.029	.2705
W100X19.3	55100				66900	66900	32 Pc(s)		.001		.0076			.1252
006.0960m					380	461	8,320 lbs			Customer PO: P025116901				1782102

Elongation based on 8" (20.32cm) gauge length. 'No Weld Repair' was performed. "All mechanical testing is performed by the Quality Pcm = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)\*((Cr/20)+(Mo/15)+(V/10))+5B testing lab, which is independent of the production CE1 = C+(Mn/6)+((Cr+Mo+V)/5)+((Ni+Cu)/15) CE2 = C+(Mn+Si)/6)+((Cr+Mo+V+Cu)/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.

Emma Summers  
 Metallurgist/  
 Quality Control  


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SULPHUR, IA 70663

Customer #: 808 - 1  
 Customer PO: P025116901  
 B.O.I. #: 1782102  
 MOS: I

SPECIFICATIONS: Tested in accordance with ASTM specification A6/A6M-22 and A370-22. Tested in accordance with EN10204-2004-3.1.

RASTRO : M270-50-23  
 ASTM : A992-22/A529-19-50/A57250211/A7095021  
 CSA : G40.2150WM

Part #	Description	Heat	Grade(s)	Yield/Tensile Ratio	Yield (MPa)	Tensile (MPa)	Elong %	C	Cr	Mn	Mo	Ti	P	Sn	S	B	Si	V	N	Cu	Nb	Ni	CI	CE1	CE2	Pcm
W5X16	1404747	1404747	A992-22	.83	56300	67500	26.00	.07	.04	.81	.00	.001	.008	.0047	.013	.0002	.19	.002	.0079	.09	.027	.03	.03	.22	.2575	.1221
020' 00.00'					388	465	26.00	.05	.04	.00	.001	.001	.008	.0047	.013	.0002	.19	.002	.0079	.09	.027	.03	.03	.22	.2575	.1221
W130X23.8				.82	55000	66300	26.00	.07	.04	.81	.00	.001	.008	.0047	.013	.0002	.19	.002	.0079	.09	.027	.03	.03	.22	.2575	.1221
006.0960m					379	461	12 Pc(s)	3,840 lbs	Customer PO: P025116901	BoH: 1782102																
W6X15	1411432	1411432	A992-22	.85	60200	71000	27.00	.07	.04	1.04	.00	.001	.009	.0038	.018	.0003	.29	.002	.0064	.07	.031	.03	.03	.26	.3111	.1373
020' 00.00'					415	490	27.00	.04	.04	.00	.001	.001	.009	.0038	.018	.0003	.29	.002	.0064	.07	.031	.03	.03	.26	.3111	.1373
W150X22.5				.84	59200	70600	27.00	.07	.04	1.04	.00	.001	.009	.0038	.018	.0003	.29	.002	.0064	.07	.031	.03	.03	.26	.3111	.1373
006.0960m					408	487	8 Pc(s)	2,400 lbs	Customer PO: P025116901	BoH: 1782102																
W6X15	2411435	2411435	A992-22	.85	60800	71800	26.00	.07	.04	1.04	.01	.001	.010	.0041	.017	.0002	.25	.002	.0066	.09	.027	.04	.04	.26	.3106	.1405
020' 00.00'					419	495	24.00	.04	.04	.01	.001	.001	.010	.0041	.017	.0002	.25	.002	.0066	.09	.027	.04	.04	.26	.3106	.1405
W150X22.5				.84	62300	74000	24.00	.07	.04	1.04	.01	.001	.010	.0041	.017	.0002	.25	.002	.0066	.09	.027	.04	.04	.26	.3106	.1405
006.0960m					430	510	1 Pc(s)	300 lbs	Customer PO: P025116901	BoH: 1782102																

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)

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 CSA : G40.2150WM

Part #	Description	Heat Grade(s)	Yield Tensile Ratio	Yield (PSI)	Tensile (MPa)	Elong %	C Cr	Mn Mo	P S	S B	Si V	Cu NB	Ni CI	CE1 CE2
W6X25	020' 00.00"	2411339	.79	54100	68200	25.00	.07	1.06	.009	.016	.24	.07	.03	.26
W150X37.1	020' 00.00"	A992-22	.79	373	470	21.00	.04	.01	.0044	.0002	.002	.031	2.35	.3077
006.0960m				54500	66600	21.00		.001			.0065			.1370
				376	473	9 Pc(s)		4,500 lbs	Customer PO: P025116901			BoH: 1782102		
W8X13	020' 00.00"	1405941	.85	57000	67000	27.00	.07	.83	.008	.018	.27	.08	.03	.22
W200X19.3	020' 00.00"	A992-22	.84	393	462	26.00	.04	.01	.0043	.0004	.002	.029	2.65	.2739
006.0960m				56100	66500	26.00		.001	Customer PO: P025116901		.0045			.1277
				387	459	14 Pc(s)		3,640 lbs	Customer PO: P025116901			BoH: 1782102		
W8X18	020' 00.00"	2410293	.85	61000	72000	28.00	.07	.86	.012	.020	.22	.18	.05	.25
W200X26.6	020' 00.00"	A992-22	.84	421	496	28.00	.08	.01	.0066	.0003	.002	.030	4.37	.2908
006.0960m				61100	72600	28.00		.001	Customer PO: P025116901		.0067			.1374
				421	501	20 Pc(s)		7,200 lbs	Customer PO: P025116901			BoH: 1782102		

Elongation based on 8" (20.32cm) gauge length. (No Weld Repair) was performed. All mechanical testing is performed by the quality testing lab, which is independent of the production departments"  
 CE1 = C+(Mn/5)+((Cr+Mo+V)/5)+((Ni+Cu)/15)  
 CE2 = C+(Mn+Si)/6)+((Cr+Mo+V+Cb)/5)+((Ni+Cu)/15)

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Part #	Description	Heat Grade(s)	Test/Heat JW	Yield/Tensile Ratio	Yield (PSI)	Tensile (PSI)	Elong %	C	Cr	Mn	Mo	Ti	P	Sn	S	B	Si	V	N	Cu	Nb	Ni	CI	CE1	CE2	Pcm
W8X24		2411253		.80	57400	71400	25.00	.07	.07	1.07	.01	.01	.011	.017	.017	.003	.24	.002	.006	.09	.031	.04	.04	.26	.3083	.1361
020' 00.00'		A992-22		.82	396	492	25.00	.04	.04	.01	.01	.001	.0048	.0003	.0003	.002	.0045	.0045	.030	.04	.04	.04	.27	.3270	.1429	
W200X35.9				.81	56100	69000	22.00	.06	.06	1.09	.01	.001	.013	.022	.022	.003	.29	.002	.0045	.09	.030	.04	.04	.27	.3270	.1429
006.0960M					387	476	6 Pc(s)	3,720	lbs	Customer	PO: P025116901	BoH: 1782102														

11 Heat(s) for this MTR.

=====  
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 Pcm = C+(Si/30)+(Mn/20)+(Cu/20)+(Ni/60)+(Cr/20)+(Mo/15)+(V/10)+5B departments"  
 CE1 = C+(Mn/5)+((Cr+Mo+V)/5)+((Ni+Cu)/15)  
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