


REPORT OF CHEMICAL/PHYSICAL TESTS

CERTIFICATE NO.	DATE	PAGE
1531188	Dec 21, 2016	1
MILL ORDER NO.	DATE	
304961		
CUSTOMER ORDER NO.		
280492		
JOB/REQ. NO.		
SHIPPING NO.	DATE	
1531188	12/21/2016	
CARRIER		
UNION PACIFIC		
CAR/TRUCK NO.		
SSW88310		



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NORTH SHORE SUPPLY COMPANY
 PO BOX 9940
 HOUSTON, TX 77213
 USA

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THIS MATERIAL HAS BEEN MANUFACTURED, TESTED AND FOUND TO MEET THE SPECIFICATIONS AND PURCHASE ORDER REQUIREMENTS CARBON STRUCTURAL QUALITY PLATE ASTM A36-14/ASME SA36 2015 ABS GR A/B A131 A/B NO WELD REPAIR. KILLED FINE GRAIN PRACTICE. .80 MIN MN, 1.20 MAX MN, REPORT ALL RESIDUALS PER SA20 TABLE 1(7.1.1).

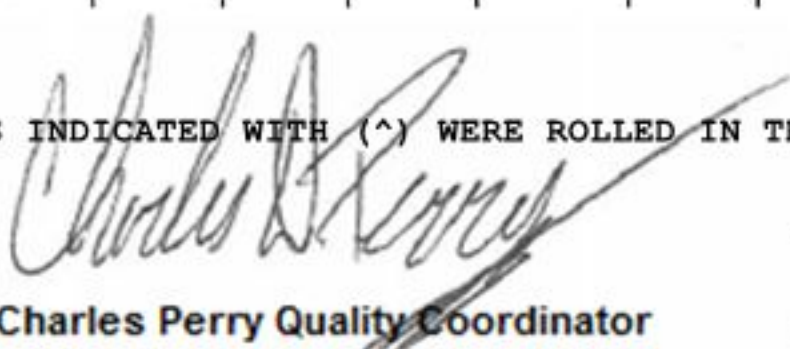
PHYSICAL PROPERTIES

ITEM NO.	DESCRIPTION	HEAT NO.	SLAB	YIELD PSI X 100	TENSILE PSI X 100	% ELONG 8" 2"	% RA	HARDNESS BHN	BEND TEST	IMPACTS
WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN MANUFACTURED TO THE APPLICABLE SPECIFICATION AND TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AMERICAN BUREAU OF SHIPPING RULES WITH SATISFACTORY RESULTS.										
3	0.6250 X 120.000ME X 480.000									
	2 PCS 20420 LBS	^ N12636		428	640	39				
	4 PCS 40840 LBS	^ N12639		405	610	28				
				419	635	32				
	2 PCS 20420 LBS	^ N12641		420	635	40				
	2 PCS 20420 LBS	^ N12646		438	640	42				
	<u>10 PCS 102100 LBS TOTALS</u>									



CHEMICAL ANALYSIS

HEAT NO.	C	Mn	P	S	Si	Cu	Ni	V	Cb	Al	Cr	Mo	Ti	B	N	Ca	CE	McQuaid Ehn Grain Size
^N12636	.14	.87	.014	.004	.23	.02	.05	.008	.000	.036	.02	.00						
^N12639	.14	.88	.012	.007	.23	.02	.05	.006	.000	.032	.02	.00						
^N12641	.14	.89	.012	.005	.22	.02	.05	.006	.000	.033	.02	.00						
^N12646	.14	.93	.011	.005	.22	.02	.05	.006	.000	.034	.02	.00						



HEATS INDICATED WITH (+) WERE MELTED & MANUFACTURED IN THE USA. HEATS INDICATED WITH (^) WERE ROLLED IN THE USA.

..... END OF REPORT

I certify the above to be correct as contained in the records of EVRAZ INC. NA By Charles Perry Quality Coordinator