


REPORT OF CHEMICAL/PHYSICAL TESTS

CERTIFICATE NO.	DATE	PAGE
1591702	Feb 14, 2018	1
MILL ORDER NO.	DATE	
319505		
CUSTOMER ORDER NO.		
298397		
JOB/REQ. NO.		
SHIPPING NO.	DATE	
1591702	02/14/2018	
CARRIER		
UNION PACIFIC		
CAR/TRUCK NO.		
UP262113		



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

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

THIS MATERIAL HAS BEEN MANUFACTURED, TESTED AND FOUND TO MEET THE SPECIFICATIONS AND PURCHASE ORDER REQUIREMENTS
 CARBON STRUCTURAL QUALITY PLATE ABS GRADE A/B KILLED FINE GRAIN ASTM A131 GRADE
 A/B ASTM A36-14 ASME SA36-17 NO WELD REPAIR. KILLED FINE GRAIN PRACTICE. .80
 MIN MN, 1.20 MAX MN, .

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.										
1	0.3750 X 96.000ME X 480.000									
	8 PCS 39208 LBS	^ N17251		396 460	630 650	32 30				
	4 PCS 19604 LBS	^ N17256		472	650	29				
3	0.4375 X 96.000ME X 480.000									
	4 PCS 22868 LBS	^ N17240		453	645	32				
	7 PCS 40019 LBS	^ N17252		455 413	660 630	30 32				



CHEMICAL ANALYSIS

HEAT NO.	C	Mn	P	S	Si	Cu	Ni	V	Cb	Al	Cr	Mo	Ti	B	N	Ca	CE	McQuig Ehn Grain Size
^N17251	.14	.86	.015	.007	.22	.01	.05	.005	.000	.036	.02	.00						
^N17256	.14	.90	.012	.005	.24	.01	.05	.006	.000	.042	.03	.00						
^N17240	.14	.86	.011	.004	.22	.01	.05	.003	.000	.052	.02	.00						
^N17252	.14	.85	.013	.007	.21	.01	.05	.003	.000	.031	.03	.00						

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

I certify the above to be correct as contained in the records of EVRAZ INC. NA By _____

Quality Coordinator

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UNION PACIFIC		
CAR/TRUCK NO.		
UP262113		



SOLD TO

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

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

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MIN MN, 1.20 MAX MN, .

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
	<p>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.</p> <p>23 PCS 121699 LBS TOTALS</p>									



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
..... END OF REPORT																		

Charles D. [Signature]

I certify the above to be correct as contained in the records of EVRAZ INC. NA By _____

Quality Coordinator