EVRAZ EVRAZ INC. NA
Evraz Oregon Steel 14400 N. Rivergate Blvd., Portland, Oregon 97203

REPORT OF CHEMICAL/PHYSICAL TESTS

CERTIFICATE NO.	DATE	PAGE
1633449	Oct 18, 2018	1

ISO 9001 REGISTERED U.S. PLATE PRODUCER

SOLD TO

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

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

MILL ORDER NO.	DATE
326840	
CUSTOMER ORDER NO.	
306202	
JOB/REQ. NO.	
SHIPPING NO.	DATE
1633449	10/18/2018
CARRIER	
UNION PACIFIC	
CAR/TRUCK NO.	
SSW87803	

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"	% ELONG 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	0.3125 X 120.000ME X 480.000										
	7 PCS 35735 LBS	^N19377		437	635		38				
				456	640	29					
3	0.3750 X 120.000ME X 480.000										
	6 PCS 36756 LBS	^N19123		462	660	30					
				492	655	31					
	3 PCS 18378 LBS	^N19130		479	660	29					
				435	640	29					

AMERICAN BUREAU OF SHIPPING SURVEYOR Signed PORTLAND, OREGON

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
^N19377	.13	.88	.013	.010	.20	.01	.05	.008	.000	.043	.04	.00								
^N19123	.14	.85	.011	.002	.20	.01	.05	.002	.000	.044	.03	.00								
^N19130	.13	.83	.008	.003	.25	.01	.05	.000	.000	.049	.04	.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

Aaron Capps
Quality Coordinator