

49362



# INSPECTION CERTIFICATE

CONTRACT No: 3-820-D3-5-3-NY01  
 REFERENCE No: J83-YK16T003 CUSTOMER'S CONTROL No(1):  
 SHIPPER: MARUBENI-ITOCHU STEEL INC.  
 CUSTOMER: FERRE BARNIELO S.A. DE C.V.  
 SHIP No: PROJECT NAME:  
 COMMODITY: WIDE FLANGE BEAMS  
 SPECIFICATION: ASTM A992-06A

HEAD OFFICE: 6-1, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOKYO 100-8071, JAPAN  
 SAKAI WORKS: 1, CHIKKYOYAWATA-CHO, SAKAI-KU, SAKAI-SHI, OSAKA-PREF. 590-0901, JAPAN

DATE OF ISSUE: MAR. 25, 2013  
 CERTIFICATE No: 30325H082-002

REMARKS:						TENSILE TEST						IMPACT TEST					
1) TYPE OF STEEL : FULLY KILLED STEEL						*3 7:GL= 8 INCH (RECT)						*5					
SIZE	CUSTOMER'S CONTROL No (2)	NUMBER OF PRODUCT	MASS KG	CAST No	TEST No	LOCATION	ORIENTATION	SPECIMEN SIZE	TEST TEMP	Y.P.	TS	EL	VIELD RATIO	REDUCTION OF AREA	INDIVIDUAL		
															AVG	INDIVIDUAL	
14"X16"X145LX40'	30	789303L1778	KJ4510	FL7	58	7728	75	58	7829	74	57	7631	75	57	7629	75	
																	6
	3	78933L2121	KJ5010	FL7	58	7730	75	60	7830	77							
											TOTAL	95	249945	30"X15"X191LX40'	6	20790689807	XK2540
	15	51975689808	XK2410	FL7	58	7730	75	58	7730	75							
											TOTAL	30	789303L1778	KJ4510	FL7	58	7728

NOTES:  
 \*1 LOCATION F:FLANGE W:WEB C:CENTER  
 \*2 ORIENTATION L:LONGITUDINAL C:TRANSVERSE Z:THROUGH THICKNESS

CAST No	CHEMICAL COMPOSITION										L:CAST ANALYSIS					P:PRODUCT ANALYSIS					
	C	S	Mn	P	S	CU	NI	CR	MO	NB	V	SN	N	T-AI	Mn	C	CEQ-1	CEQ-2	Pcm	TE-1	TE-2
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
3L1778	0.17	0.34	0.123	0.12	0.008	0.002	0.002	0.04	0.02	0.01	0.00	0.00	0.26	0.24	0.39					10	
3L1780	0.17	0.32	0.120	0.14	0.008	0.002	0.002	0.04	0.02	0.01	0.00	0.00	0.25	0.17	0.38					10	
3L2121	0.17	0.32	0.121	0.18	0.008	0.002	0.002	0.04	0.02	0.01	0.00	0.00	0.20	0.17	0.39					10	
G89807	0.17	0.35	0.12	0.18	0.008	0.002	0.002	0.04	0.02	0.01	0.00	0.00	0.23	0.30	0.38					10	
G89808	0.17	0.34	0.121	0.14	0.008	0.002	0.002	0.04	0.02	0.01	0.00	0.00	0.27	0.28	0.38					10	

CEQ-1=C+Mn/6+(CR+MO+V)/5+(NI+CU)/15  
 TE-1=NB+V

WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN MADE IN ACCORDANCE WITH THE RULES OF THE CONTRACT.

H. Eda  
 SENIOR MANAGER  
 of QUALITY ASSURANCE  
 SHAPE DIV. SAKAI WORKS