

**BAYOU STEEL CORPORATION**RIVER ROAD P.O. BOX 5000
LA PLACE, LOUISIANA 70069-1156
Telephone (985) 652-4900**MATERIAL CERTIFICATION REPORT**MACSTEEL INTERNATIONAL USA
333 WESTCHESTER AVE., STE S101
WHITE PLAINS, NY 10604MACSTEEL INTERNATIONAL USA
MILE MARKER 132.5
LAPLACE, LA 70068STED IN ASTM A6
CORDANCE
ITHINVOICE NO. BSLP08206814
PRODUCT UNEQUAL ANGLES
HEAT NO. 62513 84 Pcs
Length 20'0"DATE 08/26/08
Cust M-0036 -0000
GRADE A36 -05
SIZE U 6 X 4 X 3/8 X 12.3
PO:123329-MX2
Prod Id:RED

CHEMICAL ANALYSIS		MECHANICAL PROPERTIES	TEST 1		TEST 2		TEST 3	
			IMPERIAL	METRIC	IMPERIAL	METRIC	IMPERIAL	METRIC
C	.11	YIELD STRENGTH	44,760 PSI	309 MPa	45,274 PSI	312 MPa	PSI	MPa
Mn	.76	TENSILE STRENGTH	65,041 PSI	448 MPa	64,767 PSI	447 MPa	PSI	MPa
P	.016	ELONGATION	41.0 %	41.0 %	41.0 %	41.0 %	%	%
S	.033	GAUGE LENGTH	8 in	203 mm	8 in	203 mm	in	mm
Si	.18	BEND TEST DIAMETER	d	d	d	d	d	d
Cu	.27	BEND TEST RESULTS						
Ni	.15	SPECIMEN AREA	sq in	sq mm	sq in	sq mm	sq in	sq mm
Cr	.15	REDUCTION OF AREA	%	%	%	%	%	%
Mo	.030	IMPACT STRENGTH	ft-lbs	J	ft-lbs	J	ft-lbs	J
Cb	.000	IMPACT STRENGTH		INTERNAL CLEANLINESS		GRAIN SIZE HARDNESS		
V	.000	IMPERIAL	METRIC	SEVERITY FREQUENCY RATING		GRAIN PRACTICE REDUCTION RATIO		
B		ft-lbs	J					
Al		F	C					
Sn		ORIENTATION						
N								
Ti								

Customer Grade & Specs: ASME SA36 A70936

NO WELD REPAIR WAS PERFORMED ON THIS HEAT.

HEREBY CERTIFY THAT THE MATERIAL TEST RESULTS PRESENTED HERE ARE FROM THE REPORTED HEAT AND ARE CORRECT. ALL TESTS WERE PERFORMED IN ACCORDANCE TO THE SPECIFICATIONS REPORTED ABOVE. ALL STEEL IS ELECTRIC FURNACE MELTED, MANUFACTURED, PROCESSED, AND TESTED IN THE U.S.A WITH SATISFACTORY RESULTS, AND IS FREE OF MERCURY CONTAMINATION IN THE PROCESS.

NOTARIZED UPON REQUEST:

WITNESS MY HAND AND SUBSCRIBED BEFORE ME IN AND FOR ST. JOHN
THIS _____ DAY OF _____, 20____

Michael E. Soileau, # 81887, Notary Public

SIGNED

MARK EDWARDS, QUALITY ASSURANCE SUPERVISOR

DIRECT ANY QUESTIONS OR NECESSARY CLARIFICATIONS CONCERNING THIS REPORT TO THE SALES DEPARTMENT.

1-800-535-7692 (USA)