DATE OF ISSUE : JULY. 24, 2010 CUSTOMER : BROWNSVILLE STEEL CITY LLC

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INSPECTION CERTIFICATE

(EN 10204:2004 3.1)

ST&H CORPORATION

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발주번호 P/O NO.								원 재 료 RAW MATERIAL										성적서 번호 CERTIFICATE NO.						
BSC 2010 – 222 (PSJ5724)								MADE FROM SEAMLESS PIPE									QA100724 - 02							
재료규격 검시 Spec. for Material Spec. for						 검사·		tion			외관 및 치수검사 Surface & Dimension					비파괴검사 N.D.E.			열 처 리 HEAT TREATMENT					
ASTM A234-05/ASME SA234-05 WPB ASME								GOOD				//	MT : GOOD			620°C ~ 980°C								
제품번호 STD STAMP NO.		제품번호					화 EMICA	학성분 LL COMPOSITION							인 장 시 혐 Tensile Test				굴곡시험 Bending	편평시험		충격시 험	수압시험 Hydrost-	C.E
			с	Si	Mn	Ρ	s	Cr	Мо	Ní	Cu	v	Nb	N	Y-S Mpa	T-S Mpa	EL %	RA %	Test ()		Hardness Test(HB)	Impact Test	atic Test	U.E
SPEC	수량	MIN		0.10	0.29										240	415	22							
	Q'TY	MAX	0.30		1.06	0.05	0.058	0.40	0.15	0.40	0.40	0.08	ł.			655					197			
R 90D ELBOW STD			0.23	0.19	0.50	0.019	0.010	0.03	0.01	0.017	0.019	0.01			285	475	30				<197			0.33
5"	20	4256																			<131			0.00
R 90D ELBOW STD		0.23	0.19	0.50	0.019	0.005	0.02	0.01	0.018	0.019	0.01			285	470	27				<197			0.32	
6"	300	6897																						0.02
LR 90D ELBOW STD		0,18 0	0.20	0.51	0.019	0.026	0.02	0.01	0.02	0.018	0.01			305	490	31				<197			0.28	
8"	165	6259]																		197			0.20
LR 90D ELBOW STD			0.23	0.20	0.55	0.019	0.021	0.019	0.01	0.02	0.016	0.01			305	505	30				<197			0.33
10"	85	3325															-							0.00
LR 90D ELBOW STD			0.23	0.20	0.55	0.019	0.021	0.019	0.01	0.02	0.016	0.01			305	505	30				<197			0.33
12"	20	4332																						0.00
We hereby certify that the material herein has been made and tested in accordance with the above specification and also with the requirements called for by the above order.							1MPa = 145.037 psi 1MPa = 0.145037 ksi 1psi = 0.00689 Mpa 1ksi = 6.89476 Mpa										품 질 보 증 부 QUALITY ASSURANCE DEP' (傑) 登 山 가 프 링 (傑) 全 仏							
QUALITY INSPECTED AND SUPPLY BY ST&H CORP MANUFACTURED BY PUSAN COUPLING CO.LTD								C.E. = C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15												B.J. KIM/Q.A –GENERAL MANAGER				

양식번호 : QMS-8102-11

PUSAN COUPLING CO., LTD