

ORIGINAL

QUALITY CERTIFICATE

주식회사 휴스틸
(HUSTEEL CO.,LTD.)

계약서번호
P/O No. : 12691
L/C No. : M927857
발급 일자
ISSUED DATE : 2012. 07. 09.
제품명
COMMODITY : E.R.W. STEEL PIPES
제품규격
SPECIFICATION : API 5LB / ASTM A53B

□ HEAD OFFICE : Shinan B/D 15F, 943-19, Daechi-dong
Kangnam-ku, SEOUL 135-845, KOREA
□ DANGJIN PLANT: 569-1,BUGOK-RI,SONGAK-MYEON, DANGJIN-GUN,
CHUNGCHEONGNAM-DO,KOREA
■ DAEBUL PLANT: 150,DAEBULSANDAN3-RO, YOUNGAM-GUN
JOLLANAM-DO, KOREA

증명서번호
CERTIFICATE No. : 20120709-209
제조번호
MANUFACTURED No. : 2012-06-204
공급자
SUPPLIER : HUSTEEL CO.,LTD.
수요자
CUSTOMER : PLESA ANAHUAC Y CIAS.,
S.A. DE C.V.

ITEM NO.	HEAT NO. (LOT)	관종 TYPE	수량 QUANTITY (PIECES)	호칭경 NOMINAL SIZE (inch)	주문치수 ORDER SIZE			중량 WEIGHT (lb/ft)	인장 시험 TENSILE TEST				화학 성분 CHEMICAL COMPOSITION(%)														
					바깥지름 O.D (mm)	두께 W.T. (in)	길이 LENGTH (ft)		인장강도 TS (psi)	항복강도 YS (psi)	연신율 EL (%)	항복비 YR (YS/TS)	C	Si	Mn	P	S	Cu	Cr	Ni	Mo	V	Nb	Ti	B	PCM	CEQ
													-2	-3	-2	-3			-4			-3					
1	389345	BPEB	86	10 3/4	273.1	0.225	20'	25.29	68600	48150	39		15	5	83	13	1	1	13	1	1	6	18	3	1		
2	389346	BPEB	156	10 3/4	273.1	0.225	20'	25.29	68890	47135	39		13	8	84	10	1	1	12	1	1	5	17	4	1		
3	389395	BPEB	411	10 3/4	273.1	0.225	20'	25.29	67730	48295	40		12	8	84	14	1	1	20	1	1	6	23	4	1		
4	281727	BPEB	264	12 3/4	323.9	0.225	20'	30.10	70775	48586	38		13	16	87	11	1	1	11	1	1	8	29	6	1		
5	281843	BPEB	69	12 3/4	323.9	0.225	20'	30.10	68310	47860	41		15	6	84	13	2	1	11	1	1	5	15	3	1		
6	389345	BPEB	114	12 3/4	323.9	0.225	20'	30.10	68165	47280	40		13	14	84	14	3	1	17	1	1	11	32	7	1		
7	389346	BPEB	76	12 3/4	323.9	0.225	20'	30.10	69035	49891	39		15	9	85	12	2	1	13	1	1	7	18	4	1		
8	SP18949	BPEB	30	12 3/4	323.9	0.225	20'	30.10	67440	46845	40		14	16	72	15	4	27	14	3	1	6	14	4	1		
9	281843	BPEB	65	12 3/4	323.9	0.250	20'	33.41	70340	47425	37		17	14	84	15	2	12	24	12	50	5	27	5	1		
10	281844	BPEB	45	12 3/4	323.9	0.250	20'	33.41	70775	47425	41		18	13	82	16	3	12	23	12	47	3	21	4	1		

ITEM NO.	수압시험 HYDROSTATIC TEST		열처리온도 HEAT TREATMENT (°C)	비파괴 시험 NDT (U.T)	경도시험 HARDNESS TEST (HV)	외주장 CIRCUMFERENCE		용접부인장강도 TENSILE STRENGTH OF WELDS (psi)	아연도금시험 ZINC COATING TEST		VISUAL & DIMENSION	FLATTENING (BEND) TEST	W D T	R G T	M G T	S.T (%)	충격시험 IMPACT TEST		Res. Mag.	비고 REMARKS
	TP (psi)	RE-SULT				WZC (g/㎡)	CST (TIMES)		P	ENERGY(J) SIZE: ⑪										
																	⑤	⑥		
1	900	GOOD	930	ACCEPT				72661			ACCEPT	GOOD							17	
2	900	GOOD	930	ACCEPT				72951			ACCEPT	GOOD							16	
3	900	GOOD	930	ACCEPT				71791			ACCEPT	GOOD							16	
4	760	GOOD	930	ACCEPT				74836			ACCEPT	GOOD							16	
5	760	GOOD	930	ACCEPT				72371			ACCEPT	GOOD							17	
6	760	GOOD	930	ACCEPT				72226			ACCEPT	GOOD							16	
7	760	GOOD	930	ACCEPT				73096			ACCEPT	GOOD							17	
8	760	GOOD	930	ACCEPT				71501			ACCEPT	GOOD							17	
9	840	GOOD	930	ACCEPT				74401			ACCEPT	GOOD							16	
10	840	GOOD	930	ACCEPT				74836			ACCEPT	GOOD							16	

N ①TYPE BPE BLACK PLAIN ENDS BPEB BPE BEVELLED BTE BLACK THREADED ENDS BTC BLACK THREADED & COUPLED GPE GALVANIZED PLAIN ENDS GTE GALVANIZED THREADED ENDS GTC GALVANIZED THREAD & COUPLED
O ②O.D. OUTSIDE DIAMETER ③W.T. WALL THICKNESS ④CHEMICAL COMPOSITION CHECK-ANALYSIS/UNIT -2:1/×100 -3:1/×1000 -4:1/×10000 TR TRACE ⑤TP TESTING PRESSURE ⑥NDT NON-DESTRUCTIVE TEST
T E.T EDDY CURRENT TEST U.T ULTRASONIC TEST ⑦WZC WEIGHT OF ZINC COATING CST COPPER SULPHATE TEST ⑧WDT WELD DUCTILITY TEST RGT RING GAGE TEST MGT METALLOGRAPHIC TEST ⑨S.T STRAIGHTNESS
E ⑩P=Position B:Base Metal, CL:Center Line ⑪SPECIMEN SIZE, A:10x10mm, B:10x7.5mm, C:10x6.7mm, D:10x5.0mm, ⑫RES.MAG.: RESIDUAL MAGNETISM

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수요자
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ITEM NO.	HEAT NO. (LOT)	관종 TYPE	수량 QUANTITY (PIECES)	호칭경 NOMINAL SIZE (inch)	주문치수 ORDER SIZE			중량 WEIGHT (lb/ft)	인장시험 TENSILE TEST				화학성분 CHEMICAL COMPOSITION(%)														
					바깥지름 O.D (mm)	두께 W.T. (in)	길이 LENGTH (ft)		인장강도 TS (psi)	항복강도 YS (psi)	연신율 EL (%)	항복비 YR (YS/TS)	C	Si	Mn	P	S	Cu	Cr	Ni	Mo	V	Nb	Ti	B	PCM	CEQ
													-2	-3	-2	-3			-4			-3					
11	389461	BPEB	1	12 3/4	323.9	0.250	20'	33.41	73966	49021	37		16	15	85	13	2	4	17	5	1	4	18	4	1		
12	389462	BPEB	86	12 3/4	323.9	0.250	20'	33.41	69615	45105	34		17	15	83	14	2	6	19	7	2	4	21	5	1		
13	M49062	BPEB	1	12 3/4	323.9	0.250	20'	33.41	67295	52066	40		7	17	80	13	6	16	21	7	20	10	181	6	1		
14	281727	BPEB	2	12 3/4	323.9	0.375	20'	49.61	73821	52066	40		13	16	87	10	1	1	11	1	1	9	30	6	1		
15	388992	BPEB	49	12 3/4	323.9	0.375	20'	49.61	74401	51051	39		13	10	87	8	2	1	20	1	1	8	29	5	1		
16	389348	BPEB	6	12 3/4	323.9	0.375	20'	49.61	73676	50181	40		13	13	87	13	1	1	12	1	1	9	31	7	1		
17	M48325	BPEB	16	12 3/4	323.9	0.375	20'	49.61	69905	57142	38		4	11	81	13	5	9	22	1	1	15	293	8	1		
18	M48605	BPEB	39	12 3/4	323.9	0.375	20'	49.61	71501	58158	38		4	6	83	8	5	7	24	1	1	11	317	9	1		
19	M49074	BPEB	161	12 3/4	323.9	0.375	20'	49.61	70485	57723	40		4	12	81	16	2	4	22	1	1	9	312	8	1		
20	M49078	BPEB	47	12 3/4	323.9	0.375	20'	49.61	71355	59463	40		6	15	82	11	2	5	21	1	1	8	312	7	1		

ITEM NO.	수압시험 HYDROSTATIC TEST		열처리온도 HEAT TREATMENT (°C)	비파괴 시험 NDT (U.T)	경도시험 HARDNESS TEST (HV)	외주장 CIRCUMFERENCE		용접부인장강도 TENSILE STRENGTH OF WELDS (psi)	아연도금시험 ZINC COATING TEST		VISUAL & DIMENSION	FLATTENING (BEND) TEST	W D T	R G T	M G T	S.T (%)	충격시험 IMPACT TEST		Res. Mag.	비고 REMARKS		
	TP (psi)	RE-SULT				P	ENERGY(J) SIZE: ①		WZC (g/m²)	CST (TIMES)							⑧	⑨			⑩	⑪
11	840	GOOD	930	ACCEPT		END	BODY	78027			ACCEPT	GOOD					GOOD	0.1	16			
12	840	GOOD	930	ACCEPT				73676			ACCEPT	GOOD					GOOD	0.1	16			
13	840	GOOD	930	ACCEPT				71356			ACCEPT	GOOD					GOOD	0.1	17			
14	1260	GOOD	950	ACCEPT				77882			ACCEPT	GOOD					GOOD	0.1	16			
15	1260	GOOD	950	ACCEPT				78462			ACCEPT	GOOD					GOOD	0.1	17			
16	1260	GOOD	950	ACCEPT				77737			ACCEPT	GOOD					GOOD	0.1	16			
17	1260	GOOD	950	ACCEPT				73966			ACCEPT	GOOD					GOOD	0.1	16			
18	1260	GOOD	950	ACCEPT				75562			ACCEPT	GOOD					GOOD	0.1	17			
19	1260	GOOD	950	ACCEPT				74546			ACCEPT	GOOD					GOOD	0.1	17			
20	1260	GOOD	950	ACCEPT				75416			ACCEPT	GOOD					GOOD	0.1	17			

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O ②O.D. OUTSIDE DIAMETER ③W.T. WALL THICKNESS ④CHEMICAL COMPOSITION CHECK-ANALYSIS/UNIT -2:1/×100 -3:1/×1000 -4:1/×10000 TR TRACE ⑤TP TESTING PRESSURE ⑥NDT NON-DESTRUCTIVE TEST
T E.T EDDY CURRENT TEST U.T ULTRASONIC TEST ⑦WZC WEIGHT OF ZINC COATING CST COPPER SULPHATE TEST ⑧WDT WELD DUCTILITY TEST RGT RING GAGE TEST MGT METALLOGRAPHIC TEST ⑨S.T STRAIGHTNESS
E ⑩P=Position B:Base Metal. CL:Center Line ⑪SPECIMEN SIZE. A:10×10mm, B:10×7.5mm, C:10×6.7mm, D:10×5.0mm. ⑫RES.MAG.: RESIDUAL MAGNETISM

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					바깥지름 O.D (mm)	두께 W.T. (in)	길이 LENGTH (ft)		인장강도 TS (psi)	항복강도 YS (psi)	연신율 EL (%)	항복비 YR (YS/TS)	C	Si	Mn	P	S	Cu	Cr	Ni	Mo	V	Nb	Ti	B	PCM	CEQ
					②	③			(psi)	(psi)	(%)	(YS/TS)	-2	-3	-2	-3			-4			-3					
21	M49071	BPEB	146	12 3/4	323.9	0.312	20'	41.48	66860	53952	41		4	9	78	12	4	7	23	1	1	10	196	7	1		
22	M49078	BPEB	122	12 3/4	323.9	0.406	20'	53.57	71355	59463	40		4	14	84	10	2	5	24	1	1	9	328	9	1		
23	281650	BPEB	147	14	355.6	0.225	20'	33.11	70050	46700	38		12	15	87	8	1	2	17	1	1	9	31	8	1		
24	389275	BPEB	253	14	355.6	0.225	20'	33.11	67875	43509	40		12	7	86	3	1	1	14	1	1	6	17	5	1		
25	281840	BPEB	5	14	355.6	0.375	20'	54.62	73096	49456	41		12	10	85	10	1	1	15	1	1	5	20	5	1		
26	389396	BPEB	11	14	355.6	0.375	20'	54.62	71791	50616	41		12	9	86	9	1	1	15	1	1	6	29	5	1		
27	389461	BPEB	45	14	355.6	0.375	20'	54.62	73241	49166	41		12	10	85	10	1	1	16	1	1	6	23	9	1		
28	281650	BPEB	4	14	355.6	0.500	20'	72.16	72661	51486	42		12	15	87	11	1	2	15	1	1	7	22	8	1		
29	SP29814	BPEB	2	14	355.6	0.500	20'	72.16	72081	50616	40		16	10	85	11	4	21	18	1	1	13	17	5	1		
30	SP31614	BPEB	1	14	355.6	0.500	20'	72.16	73386	50036	42		15	11	89	11	4	10	15	1	1	10	24	6	1		

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	TP (psi)	RE-SULT				END	BODY		WZC (g/㎡)	CST (TIMES)							P	ENERGY(J) SIZE: ⑪		
	⑤					⑦			⑧								⑨	() °C		
21	1050	GOOD	930	ACCEPT				70921			ACCEPT	GOOD					GOOD	0.1	16	
22	1360	GOOD	950	ACCEPT				75416			ACCEPT	GOOD					GOOD	0.1	16	
23	690	GOOD	930	ACCEPT				74111			ACCEPT	GOOD					GOOD	0.1	16	
24	690	GOOD	930	ACCEPT				71936			ACCEPT	GOOD					GOOD	0.1	17	
25	1150	GOOD	950	ACCEPT				77157			ACCEPT	GOOD					GOOD	0.1	16	
26	1150	GOOD	950	ACCEPT				75852			ACCEPT	GOOD					GOOD	0.1	17	
27	1150	GOOD	950	ACCEPT				77302			ACCEPT	GOOD					GOOD	0.1	17	
28	1530	GOOD	950	ACCEPT				76722			ACCEPT	GOOD					GOOD	0.1	16	
29	1530	GOOD	950	ACCEPT				76142			ACCEPT	GOOD					GOOD	0.1	17	
30	1530	GOOD	950	ACCEPT				77447			ACCEPT	GOOD					GOOD	0.1	16	

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													-2	-3	-2	-3			-4			-3					
31	SQ66661	BPEB	28	14	355.6	0.500	20'	72.16	68455	44670	41		16	6	78	16	4	15	15	6	1	8	13	9	1		
32	SQ68390	BPEB	8	14	355.6	0.500	20'	72.16	70340	44815	38		15	4	76	14	3	13	14	5	1	7	11	6	1		
33	SQ69941	BPEB	5	14	355.6	0.500	20'	72.16	72516	52066	40		15	7	79	14	3	10	16	1	1	8	18	4	1		
34	664311	BPEB	1	20	508.0	0.250	20'	52.78	72371	46845	38		16	14	85	15	3	7	19	6	35	11	18	8	1		
35	664683	BPEB	15	20	508.0	0.250	20'	52.78	75706	48876	39		16	13	81	15	3	8	18	11	43	1	6	7	1		
36	M47408	BPEB	46	20	508.0	0.250	20'	52.78	65699	52646	40		8	14	83	14	4	14	16	9	41	6	236	5	1		
37	M47756	BPEB	33	20	508.0	0.500	20'	104.23	63959	50036	42		7	13	82	14	4	13	22	8	13	5	243	6	1		
38	M50903	BPEB	6	24	610.0	0.500	20'	125.61	69470	57577	41		6	12	81	12	6	18	21	9	11	7	281	6	1		
39	M50906	BPEB	20	24	610.0	0.500	20'	125.61	66860	53662	44		6	10	79	11	5	18	20	7	2	3	234	5	1		
40	M50530	BPEB	70	16	406.4	0.375	20'	62.64	70630	56272	40		7	15	82	17	4	15	24	7	22	7	287	7	1		

ITEM NO.	수압시험 HYDROSTATIC TEST		열처리온도 HEAT TREATMENT (°C)	비파괴 시험 NDT (U.T)	경도시험 HARDNESS TEST (HV)	외주장 CIRCUMFERENCE		용접부인장강도 TENSILE STRENGTH OF WELDS (psi)	아연도금시험 ZINC COATING TEST		VISUAL & DIMENSION	FLATTENING (BEND) TEST	W D T	R G T	M G T	S.T (%)	충격시험 IMPACT TEST		Res. Mag.	비고 REMARKS
	TP (psi)	RE-SULT				END	BODY		WZC (g/m²)	CST (TIMES)							P	ENERGY(J) SIZE: ①		
31	1530	GOOD	950	ACCEPT				72516			ACCEPT	GOOD					GOOD	0.1	17	
32	1530	GOOD	950	ACCEPT				74401			ACCEPT	GOOD					GOOD	0.1	17	
33	1530	GOOD	950	ACCEPT				76577			ACCEPT	GOOD					GOOD	0.1	16	
34	950	GOOD	930	ACCEPT				76432			ACCEPT	GOOD					GOOD	0.1	17	
35	950	GOOD	930	ACCEPT				79767			ACCEPT	GOOD					GOOD	0.1	16	
36	950	GOOD	930	ACCEPT				69760			ACCEPT	GOOD					GOOD	0.1	16	
37	1070	GOOD	950	ACCEPT				68020			ACCEPT	GOOD					GOOD	0.1	16	
38	890	GOOD	950	ACCEPT				73531			ACCEPT	GOOD					GOOD	0.1	17	
39	890	GOOD	950	ACCEPT				70921			ACCEPT	GOOD					GOOD	0.1	17	
40	1000	GOOD	950	ACCEPT				74691			ACCEPT	GOOD					GOOD	0.1	17	

N ①TYPE BPE BLACK PLAIN ENDS BPEB BPE BEVELLED BTE BLACK THREADED ENDS BTC BLACK THREADED&COUPLED GPE GALVANIZED PLAIN ENDS GTE GALVANIZED THREADED ENDS GTC GALVANIZED THREAD&COUPLED
O ②O.D. OUTSIDE DIAMETER ③W.T. WALL THICKNESS ④CHEMICAL COMPOSITION CHECK-ANALYSIS/UNIT -2/1×100 -3/1×1000 -4/1×10000 TR TRACE ⑤TP TESTING PRESSURE ⑥NDT NON-DESTRUCTIVE TEST
T E.T EDDY CURRENT TEST U.T ULTRASONIC TEST ⑦WZC WEIGHT OF ZINC COATING CST COPPER SULPHATE TEST ⑧WDT WELD DUCTILITY TEST RGT RING GAGE TEST MGT METALLOGRAPHIC TEST ⑨S.T STRAIGHTNESS
E ⑩P=Position B:Base Metal. CL:Center Line ⑪SPECIMEN SIZE. A:10x10mm, B:10x7.5mm, C:10x6.7mm, D:10x5.0mm, ⑫RES.MAG.: RESIDUAL MAGNETISM

SIGNATURE: 본 제품은 관련 규격이 정한 시험 및 검사에 합격하였음을 증명합니다.
WE HEREBY CERTIFY THAT THE PRODUCTS HEREIN HAVE BEEN MADE AND TESTED IN ACCORDANCE WITH THE ABOVE SPECIFICATION AND ALSO WITH THE REQUIREMENTS CALLED FOR THE ORDER.
SIGNATURE: *[Handwritten Signature]*
MANAGER OF QUALITY ASSURANCE TEAM

ORIGINAL

QUALITY CERTIFICATE

주식회사 휴스틸
 (HUSTEEL CO.,LTD.)

계약서번호
 P/O No. : 12691
 L/C No. : M927857
 발급일자
 ISSUED DATE : 2012. 07. 09.
 제품명
 COMMODITY : E.R.W. STEEL PIPES
 제품규격
 SPECIFICATION : API 5LB / ASTM A53B

□ HEAD OFFICE : Shinan B/D 15F, 943-19, Daechi-dong
 Kangnam-ku, SEOUL 135-845, KOREA
 □ DANGJIN PLANT: 569-1,BUGOK-RI,SONGAK-MYEON, DANGJIN-GUN,
 CHUNGCHEONGNAM-DO,KOREA
 ■ DAEBUL PLANT: 150,DAEBULSANDAN3-RO, YOUNGAM-GUN
 JOLLANAM-DO, KOREA

증명서번호
 CERTIFICATE No. : 20120709-209
 제조번호
 MANUFACTURED No.: 2012-06-204
 공급자
 SUPPLIER : HUSTEEL CO.,LTD.
 수요자
 CUSTOMER : PLESA ANAHUAC Y CIAS.,
 S.A. DE C.V.

ITEM NO.	HEAT NO. (LOT)	관종 TYPE	수량 QUANTITY (PIECES)	호칭경 NOMINAL SIZE (inch)	주문치수 ORDER SIZE			중량 WEIGHT (lb/ft)	인장시험 TENSILE TEST				화학성분 CHEMICAL COMPOSITION(%)														
					바깥지름 O.D (mm)	두께 W.T. (in)	길이 LENGTH (ft)		인장강도 TS (psi)	항복강도 YS (psi)	연신율 EL (%)	항복비 YR (YS/TS)	C	Si	Mn	P	S	Cu	Cr	Ni	Mo	V	Nb	Ti	B	PCM	CEQ
													-2	-3	-2	-3			-4			-3					
41	M50533	BPEB	36	16	406.4	0.375	20'	62.64	70050	55837	38		7	11	80	15	5	11	23	7	21	6	290	6	1		
42	SB39090	BPEB	50	14	355.6	0.438	20'	63.50	62654	44670	42		16	3	79	10	2	2	29	1	1	8	12	8	1		
43	389274	BPEB	20	18	457.0	0.375	20'	70.65	74836	51051	37		18	18	86	8	4	9	16	7	29	4	18	5	1		
44	579134	BPEB	1	18	457.0	0.375	20'	70.65	76142	51486	41		19	24	83	15	3	8	11	8	26	9	22	5	1		
45	579591	BPEB	26	18	457.0	0.375	20'	70.65	76287	54097	38		17	16	85	16	3	6	22	8	56	11	31	6	1		
46	M47756	BPEB	33	20	508.0	0.500	20'	104.23	63959	50036	42		7	13	82	14	4	13	22	8	13	5	243	6	1		

ITEM NO.	수입시험 HYDROSTATIC TEST		열처리온도 HEAT TREATMENT (°C)	비파괴 시험 NDT (U.T)	경도시험 HARDNESS TEST (HV)	외주장 CIRCUMFERENCE		용접부인장강도 TENSILE STRENGTH OF WELDS (psi)	아연도금시험 ZINC COATING TEST		VISUAL & DIMENSION	FLATTENING (BEND) TEST	W D T	R G T	M G T	S.T (%)	충격시험 IMPACT TEST		Res. Mag.	비고 REMARKS	
	TP (psi)	RE-SULT				END	BODY		WZC (g/㎡)	CST (TIMES)							P	ENERGY(J) SIZE: ①			②
41	1000	GOOD	950	ACCEPT				74111			ACCEPT	GOOD				GOOD	0.1		16		
42	1340	GOOD	950	ACCEPT				66715			ACCEPT	GOOD				GOOD	0.1		17		
43	890	GOOD	950	ACCEPT				78897			ACCEPT	GOOD				GOOD	0.1		17		
44	890	GOOD	950	ACCEPT				80203			ACCEPT	GOOD				GOOD	0.1		16		
45	890	GOOD	950	ACCEPT				80348			ACCEPT	GOOD				GOOD	0.1		16		
46	1070	GOOD	950	ACCEPT				68020			ACCEPT	GOOD				GOOD	0.1		16		

N ①TYPE BPE BLACK PLAIN ENDS BPEB BPE BEVELLED BTE BLACK THREADED ENDS BTC BLACK THREADED&COUPLED GPE GALVANIZED PLAIN ENDS GTE GALVANIZED THREADED ENDS GTC GALVANIZED THREAD&COUPLED
 O ②O.D. OUTSIDE DIAMETER ③W.T. WALL THICKNESS ④CHEMICAL COMPOSITION CHECK-ANALYSIS/UNIT -2:1/×100 -3:1/×1000 -4:1/×10000 TR TRACE ⑤TP TESTING PRESSURE ⑥NDT NON-DESTRUCTIVE TEST
 T E.T EDDY CURRENT TEST U.T ULTRASONIC TEST ⑦WZC WEIGHT OF ZINC COATING CST COPPER SULPHATE TEST ⑧WDT WELD DUCTILITY TEST RGT RING GAGE TEST MGT METALLOGRAPHIC TEST ⑨S.T STRAIGHTNESS
 E ⑩P=Position B:Base Metal. CL:Center Line ⑪SPECIMEN SIZE, A:10x10mm, B:10x7.5mm, C:10x6.7mm, D:10x5.0mm, ⑫RES.MAG.: RESIDUAL MAGNETISM

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 MANAGER OF QUALITY ASSURANCE TEAM

SURVEYOR TO:
 HMS C-30-05-(21)