



MATERIAL TEST REPORT - QUALITY MANAGEMENT SYSTEM
FORZA STEEL - PRODUCTION FACILITY:

Carretera Salinas Victoria K.m. 2 s/n Salinas Victoria, Nuevo León, México C.P. 65500 Tel: +52 (51) 1958-3780

Cod (Code):	PPD-PR-01-06
Edition (Edición):	0
Date of Rev (Fecha Rev):	27 Nov 2018
Page (Hoja):	2/2

CUSTOMER (Cliente)		PURCHASE ORDER (Orden de Compra)		DELIVERY (Remisión)		DATE (Fecha)		REFERENCE NUMBER (No. Referencia)											
PLESA ANAHUAC Y CIAS, S.A DE C.V.		29731		5045048		28/04/2020		28042020-11841											
PIPE TYPE PRODUCT (Tipo de producto)	FORZA WORK ORDER (O/F)	SIZE (Diámetro)	WALL THICKNESS (Espesor)	HEAT (No. Colada)	SPECIFICATI ON (Especificación n Norma)	GRADE (Grado)	LENGTH (Longitud)		MASS (Peso Unitario)	MASS PER METER (Peso Lineal kg x metros)	HYDROSTATIC TEST (Prueba Hidrostática (psi))	SPECIAL REQUIREMENTS (Requisitos especiales)	TUBE NUMBER (No. Piezas)						
							Metros	Pies						Lbs	Kg				
ERW	O/F 2007	8.625	0.322	SP03374	ASTM A53	B	6.20	20.34	568.35	42.29	1594	Barnizado	4						
ERW	O/F 2055	8.625	0.322	1822907	ASTM A53	B	6.20	20.34	568.35	42.29	1594	Barnizado	2						
ERW	O/F 2055	8.625	0.322	1833555	ASTM A53	B	6.20	20.34	568.35	42.29	1594	Barnizado	2						
ERW	O/F 2068	8.625	0.322	ABB136	ASTM A53	B	6.20	20.34	568.35	42.29	1594	Barnizado	2						
ERW	O/F 2068	8.625	0.322	ABB181	ASTM A53	B	6.20	20.34	568.35	42.29	1594	Barnizado	16						
ERW	O/F 2068	8.625	0.322	ABB182	ASTM A53	B	6.20	20.34	568.35	42.29	1594	Barnizado	2						
ERW	O/F 2068	8.625	0.322	ABB183	ASTM A53	B	6.20	20.34	568.35	42.29	1594	Barnizado	2						
ERW	O/F 2068	8.625	0.322	ABB184	ASTM A53	B	6.20	20.34	568.35	42.29	1594	Barnizado	2						
ERW	O/F 2068	8.625	0.322	ABB185	ASTM A53	B	6.20	20.34	568.35	42.29	1594	Barnizado	22						
ERW	O/F 2068	8.625	0.322	ABB187	ASTM A53	B	6.20	20.34	568.35	42.29	1594	Barnizado	28						
ERW	O/F 2068	8.625	0.322	ABB188	ASTM A53	B	6.20	20.34	568.35	42.29	1594	Barnizado	10						
ERW	O/F 2068	8.625	0.322	ABB189	ASTM A53	B	6.20	20.34	568.35	42.29	1594	Barnizado	12						
ERW	O/F 815	8.625	0.322	D17607605	ASTM A53	B	6.20	20.34	568.35	42.29	1594	Barnizado	2						
ERW	O/F 854	8.625	0.322	SF80430	ASTM A53	B	6.20	20.34	568.35	42.29	1594	Barnizado	2						
ERW	O/F 854	8.625	0.322	SF80433	ASTM A53	B	6.20	20.34	568.35	42.29	1594	Barnizado	4						
ERW	O/F 966	8.625	0.322	D18703294	ASTM A53	B	6.20	20.34	568.35	42.29	1594	Barnizado	2						
<p>2068-44-3A,815-48-24B,2068-96-15B,2068-96-17B,2068-95-6B,2068-97-10A,2068-97-48B,2068-96-13A,2068-96-17A,2068-94-5A,815-48-24A,2068-97-6A,2068-93-14A,2068-97-10B,2068-97-13A,2068-97-12A,2068-93-13B,2068-45-18A,2068-43-11B,854-24-17B,2068-97-1A,2068-43-12A,2068-44-4B,854-24-17A,2068-41-9B,2068-96-14A,2068-96-15A,2068-97-11A,2068-44-3B,2068-43-12B,2068-93-13A,2068-93-11B,2068-96-11B,2068-96-13B,2068-45-17B,2068-45-17B,2068-96-3A,2068-94-8A,2068-92-16A,2068-94-3B,2068-43-19A,2068-97-5A,2068-96-10B,854-16-14A,2007-18-10B,2068-98-3B,2068-43-5A,2068-94-7B,2068-43-15A,2068-43-6B,2068-43-16A,2068-97-8B,2068-45-14A,2068-93-16A,2068-96-14B,2068-96-14B,2068-94-7A,854-28-24B,854-28-24B,2068-43-14B,2068-125-3A,2068-43-13B,2068-136* 194,2068-96-18A,2007-18-10A,2068-94-5B,2068-43-15B,2068-97-12B,2068-97-13B,2068-93-14B,2007-22-19B,2068-94-7A,854-28-24B,2068-94-7A,854-28-24B,2068-43-14B,2068-125-3A,2068-43-13B,2068-136* 16A,2068-122-9A,2068-111-1A,2068-47-20B,2068-23-12A,2068-11-1B,966-83-16A,2068-23-12B,2068-122-9B,2068-43-14A,2068-136-16B,854-29-24A,2068-94-6A,2068-96-18B,2068-92-16B,2068-97-7B,2068-97-4A</p>																			
Chemical Analyses (Análisis Químico)																			
Heat (Colada)		C	SI	Mn	P	S	V	Cr	Cu	Ni	Mo	Yield Strength (KSI) (Límite elástico)		Tensile Strength (KSI) (Última tensión)		Tensile Strength (KSI) (Última Tensión)		Elongation (%) (Elongación)	Pruebas No Destructivas UT N10
SP03374		0.0696	0.195	0.969	0.0126	0.0018	0.002	0.024	0.012	0.007	0.002	63.20	75.60	71.50	79.10	77.70	81.70	39	ACCEPTED
1822907		0.053	0.210	0.940	0.012	0.002	0.004	0.010	0.010	0.021	0.000	69.70	79.00	72.50	76.10	72.60	79.10	37	ACCEPTED
1833555		0.052	0.210	0.990	0.009	0.002	0.004	0.010	0.010	0.015	0.000	66.40	76.10	72.60	73.90	79.10	77.70	39	ACCEPTED
ABB136		0.051	0.025	0.728	0.019	0.003	0.002	0.144	0.308	0.117	0.032	64.30	73.90	79.10	77.70	81.70	41	ACCEPTED	
ABB181		0.035	0.014	0.712	0.023	0.004	0.004	0.137	0.285	0.108	0.035	63.50	73.00	77.80	77.80	81.70	41	ACCEPTED	
ABB182		0.046	0.010	0.698	0.023	0.005	0.005	0.132	0.357	0.129	0.022	62.70	73.00	77.80	77.80	81.70	41	ACCEPTED	
ABB183		0.040	0.016	0.707	0.021	0.004	0.004	0.149	0.335	0.116	0.029	57.30	73.00	72.10	78.50	73.90	42	ACCEPTED	
ABB184		0.043	0.019	0.730	0.019	0.004	0.003	0.106	0.335	0.102	0.027	59.80	72.00	72.00	73.90	73.90	42	ACCEPTED	
ABB185		0.043	0.019	0.705	0.017	0.003	0.005	0.134	0.299	0.101	0.033	60.80	72.00	73.00	73.90	73.90	42	ACCEPTED	
ABB187		0.067	0.051	0.739	0.022	0.004	0.004	0.129	0.264	0.100	0.034	64.20	73.00	73.00	76.40	75.20	42	ACCEPTED	
ABB188		0.040	0.022	0.705	0.024	0.002	0.004	0.182	0.289	0.091	0.030	60.90	72.90	72.90	75.20	75.20	42	ACCEPTED	
ABB189		0.040	0.020	0.722	0.020	0.002	0.007	0.149	0.273	0.103	0.021	63.80	72.40	72.40	77.80	77.80	43	ACCEPTED	
D17607605		0.0702	0.181	0.722	0.011	0.0078	0.0005	0.281	0.307	0.015	0.0039	61.80	74.00	74.00	76.70	76.70	30	ACCEPTED	
SF80433		0.0691	0.161	0.984	0.012	0.0018	0.001	0.024	0.019	0.012	0.005	66.00	74.00	74.00	76.70	76.70	33	ACCEPTED	
D18703294		0.161	0.157	0.294	0.016	0.0015	0.0048	0.018	0.018	0.011	0.0020	51.50	68.30	74.31	74.31	74.31	30	ACCEPTED	
Mechanical Test (Pruebas mecánicas)																			