A01 STOMANA INDUSTRY S.A.
1, Vladaysko Vastanie Str.
2304, Pernik, BULGARIA

A03 **INSPECTION CERTIFICATE : MX192450LOT5A**

A02 Acc To : EN10204/3.1
Date 27.11.2019

A06 Customer : DUFERCO SA
Consignee : SERVICIOS Y ALMACENES DE VERAC
A07 Customer
B01 Product : Prime Hot Rolled Steel Plates
ASTM A36-Carbon Steel/not alloy/;
ASTM A283GRC-Carbon Steel;
B08 Total Nr of pieces : 731
Total mass, kg : 1 633 259

A08 Order Nr : MX192450 LOT5A
Lot Nr :
Standard : ASTM A36/A283 GR C;ASTM A6

Dispatched in Wagon/Truck
Destination Mexico MX

ORIGIN BULGARIA/ MADE IN BULGARIA/DUFERCO

No	Plate	lot	Dimensions / Size				Dimensions / Size			Mass	Heat		Steel			Tested plate	Mechanical properties														
			Thickness														Tension				Impact strength						Tension		Bend in	Hardness
			Cl.	Thick	Width	Length	Thick	Width	Length	Weight	Cast	Batch	Grade		Cond		yield ReH	tensile Rm	Elong *	Dir. test	Temp	V - notch (ISO - V) KV	Kv1	Kv2	Kv3	Dir. test	0,2% yield Temp	yield	cold	
	B07			B09	B10	B11	B09	B10	B11		B07	B-07	B02		B-04	C00	C11	C12	C13	C02	C03	C43	C42	C42	C42	C02	C03	C11		
	No	No		mm	mm	mm	inch	inch	inch	kg	No	No	Grade	No		No	Mpa	Mpa	%		°C	J	J	J	J		°C	Mpa		
1	83880A0801	0		9,53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C		AR	83880A0201	366	502	24	T		0	0	0	0			0		
2	83880A0802	0		9,53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C		AR	83880A0201	366	502	24	T		0	0	0	0			0		
3	83880A0901	0		9,53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C		AR	83880A0201	366	502	24	T		0	0	0	0			0		
4	83880A0902	0		9,53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C		AR	83880A0201	366	502	24	T		0	0	0	0			0		
5	83880A0903	0		9,53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C		AR	83880A0201	366	502	24	T		0	0	0	0			0		
6	83880A1001	0		9,53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C		AR	83880A0201	366	502	24	T		0	0	0	0			0		
7	83880A1002	0		9,53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C		AR	83880A0201	366	502	24	T		0	0	0	0			0		
8	83880A1003	0		9,53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C		AR	83880A0201	366	502	24	T		0	0	0	0			0		
9	83880A1101	0		9,53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C		AR	83880A0201	366	502	24	T		0	0	0	0			0		
10	83880A1102	0		9,53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C		AR	83880A0201	366	502	24	T		0	0	0	0			0		
11	83880A1103	0		9,53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C		AR	83880A0201	366	502	24	T		0	0	0	0			0		
12	83880A1201	0		9,53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C		AR	83880A0201	366	502	24	T		0	0	0	0			0		
13	83880A1202	0		9,53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C		AR	83880A0201	366	502	24	T		0	0	0	0			0		
14	83880A1203	0		9,53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C		AR	83880A0201	366	502	24	T		0	0	0	0			0		
15	83880A1301	0		9,53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C		AR	83880A0201	366	502	24	T		0	0	0	0			0		
16	83880A1302	0		9,53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C		AR	83880A0201	366	502	24	T		0	0	0	0			0		
17	83880A1303	0		9,53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C		AR	83880A0201	366	502	24	T		0	0	0	0			0		
18	83880A1401	0		9,53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C		AR	83880A0201	366	502	24	T		0	0	0	0			0		
19	83880A1402	0		9,53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C		AR	83880A0201	366	502	24	T		0	0	0	0			0		
20	83880A1403	0		9,53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C		AR	83880A0201	366	502	24	T		0	0	0	0			0		
21	83880A1501	0		9,53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C		AR	83880A0201	366	502	24	T		0	0	0	0			0		
22	83880A1502	0		9,53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C		AR	83880A0201	366	502	24	T		0	0	0	0			0		
23	83880A1503	0		9,53	2438	6096	3/8	96	240	1 112	83880	83880A	A36/A283 GR C		AR	83880A0201	366	502	24	T		0	0	0	0			0		
24	83989A0101	0		9,53	2438	6096	3/8	96	240	1 112	83989	83989A	A36/A283 GR C		AR	83989A0501	350	480	26	T		0	0	0	0			0		
25	83989A0102	0		9,53	2438	6096	3/8	96	240	1 112	83989	83989A	A36/A283 GR C		AR	83989A0501	350	480	26	T		0	0	0	0			0		
26	83989A0201	0		9,53	2438	6096	3/8	96	240	1 112	83989	83989A	A36/A283 GR C		AR	83989A0501	350	480	26	T		0	0	0	0			0		

566	83920A0401	0		25,4	2438	6096	1	96	240	2 963	83920	83920A	A36/A283 GR C		AR	83920A0201	304	461	24	T		0	0	0	0			0		
567	83920A0501	0		25,4	2438	6096	1	96	240	2 963	83920	83920A	A36/A283 GR C		AR	83920A0201	304	461	24	T		0	0	0	0			0		
568	83920A0601	0		25,4	2438	6096	1	96	240	2 963	83920	83920A	A36/A283 GR C		AR	83920A0201	304	461	24	T		0	0	0	0			0		
569	83920A0701	0		25,4	2438	6096	1	96	240	2 963	83920	83920A	A36/A283 GR C		AR	83920A0201	304	461	24	T		0	0	0	0			0		
570	83920A0801	0		25,4	2438	6096	1	96	240	2 963	83920	83920A	A36/A283 GR C		AR	83920A0201	304	461	24	T		0	0	0	0			0		
571	83920A0901	0		25,4	2438	6096	1	96	240	2 963	83920	83920A	A36/A283 GR C		AR	83920A0201	304	461	24	T		0	0	0	0			0		
572	83920A1001	0		25,4	2438	6096	1	96	240	2 963	83920	83920A	A36/A283 GR C		AR	83920A0201	304	461	24	T		0	0	0	0			0		
573	83920A1101	0		25,4	2438	6096	1	96	240	2 963	83920	83920A	A36/A283 GR C		AR	83920A0201	304	461	24	T		0	0	0	0			0		
574	83920A1201	0		25,4	2438	6096	1	96	240	2 963	83920	83920A	A36/A283 GR C		AR	83920A0201	304	461	24	T		0	0	0	0			0		
575	83920A1401	0		25,4	2438	6096	1	96	240	2 963	83920	83920A	A36/A283 GR C		AR	83920A0201	304	461	24	T		0	0	0	0			0		
576	83920A1501	0		25,4	2438	6096	1	96	240	2 963	83920	83920A	A36/A283 GR C		AR	83920A0201	304	461	24	T		0	0	0	0			0		
577	83920A1601	0		25,4	2438	6096	1	96	240	2 963	83920	83920A	A36/A283 GR C		AR	83920A0201	304	461	24	T		0	0	0	0			0		
578	83920A1701	0		25,4	2438	6096	1	96	240	2 963	83920	83920A	A36/A283 GR C		AR	83920A0201	304	461	24	T		0	0	0	0			0		
579	83920A1801	0		25,4	2438	6096	1	96	240	2 963	83920	83920A	A36/A283 GR C		AR	83920A0201	304	461	24	T		0	0	0	0			0		
580	83920A1901	0		25,4	2438	6096	1	96	240	2 963	83920	83920A	A36/A283 GR C		AR	83920A0201	304	461	24	T		0	0	0	0			0		
581	83920A2001	0		25,4	2438	6096	1	96	240	2 963	83920	83920A	A36/A283 GR C		AR	83920A0201	304	461	24	T		0	0	0	0			0		
582	83926D2401	0		25,4	2438	6096	1	96	240	2 963	83926	83926D	A36/A283 GR C		AR	83926D2401	301	467	26	T		0	0	0	0			0		
583	83926D2501	0		25,4	2438	6096	1	96	240	2 963	83926	83926D	A36/A283 GR C		AR	83926D2401	301	467	26	T		0	0	0	0			0		
584	83926D2601	0		25,4	2438	6096	1	96	240	2 963	83926	83926D	A36/A283 GR C		AR	83926D2401	301	467	26	T		0	0	0	0			0		
585	83926D2701	0		25,4	2438	6096	1	96	240	2 963	83926	83926D	A36/A283 GR C		AR	83926D2401	301	467	26	T		0	0	0	0			0		
586	83926D2801	0		25,4	2438	6096	1	96	240	2 963	83926	83926D	A36/A283 GR C		AR	83926D2401	301	467	26	T		0	0	0	0			0		
587	83948A0101	0		25,4	2438	6096	1	96	240	2 963	83948	83948A	A36/A283 GR C		AR	83948A0601	277	446	30	T		0	0	0	0			0		
588	83948A0201	0		25,4	2438	6096	1	96	240	2 963	83948	83948A	A36/A283 GR C		AR	83948A0601	277	446	30	T		0	0	0	0			0		
589	83948A0301	0		25,4	2438	6096	1	96	240	2 963	83948	83948A	A36/A283 GR C		AR	83948A0601	277	446	30	T		0	0	0	0			0		
590	83948A0401	0		25,4	2438	6096	1	96	240	2 963	83948	83948A	A36/A283 GR C		AR	83948A0601	277	446	30	T		0	0	0	0			0		
591	83948A0501	0		25,4	2438	6096	1	96	240	2 963	83948	83948A	A36/A283 GR C		AR	83948A0601	277	446	30	T		0	0	0	0			0		
592	83948A0701	0		25,4	2438	6096	1	96	240	2 963	83948	83948A	A36/A283 GR C		AR	83948A0601	277	446	30	T		0	0	0	0			0		
593	83948A0901	0		25,4	2438	6096	1	96	240	2 963	83948	83948A	A36/A283 GR C		AR	83948A0601	277	446	30	T		0	0	0	0			0		
594	83948A1001	0		25,4	2438	6096	1	96	240	2 963	83948	83948A	A36/A283 GR C		AR	83948A0601	277	446	30	T		0	0	0	0			0		
595	83948A1101	0		25,4	2438	6096	1	96	240	2 963	83948	83948A	A36/A283 GR C		AR	83948A0601	277	446	30	T		0	0	0	0			0		
596	83948A1201	0		25,4	2438	6096	1	96	240	2 963	83948	83948A	A36/A283 GR C		AR	83948A0601	277	446	30	T		0	0	0	0			0		
597	83948A1301	0		25,4	2438	6096	1	96	240	2 963	83948	83948A	A36/A283 GR C		AR	83948A0601	277	446	30	T		0	0	0	0			0		
598	83948A1401	0		25,4	2438	6096	1	96	240	2 963	83948	83948A	A36/A283 GR C		AR	83948A0601	277	446	30	T		0	0	0	0			0		
599	83948A1501	0		25,4	2438	6096	1	96	240	2 963	83948	83948A	A36/A283 GR C		AR	83948A0601	277	446	30	T		0	0	0	0			0		
600	83948A1601	0		25,4	2438	6096	1	96	240	2 963	83948	83948A	A36/A283 GR C		AR	83948A0601	277	446	30	T		0	0	0	0			0		
601	83948A1701	0		25,4	2438	6096	1	96	240	2 963	83948	83948A	A36/A283 GR C		AR	83948A0601	277	446	30	T		0	0	0	0			0		
602	83948A1801	0		25,4	2438	6096	1	96	240	2 963	83948	83948A	A36/A283 GR C		AR	83948A0601	277	446	30	T		0	0	0	0			0		
603	83948A2101	0		25,4	2438	6096	1	96	240	2 963	83948	83948A	A36/A283 GR C		AR	83948A0601	277	446	30	T		0	0	0	0			0		
604	83948A2201	0		25,4	2438	6096	1	96	240	2 963	83948	83948A	A36/A283 GR C		AR	83948A0601	277	446	30	T		0	0	0	0			0		
605	83948A2301	0		25,4	2438	6096	1	96	240	2 963	83948	83948A	A36/A283 GR C		AR	83948A0601	277	446	30	T		0	0	0	0			0		
606	83948A2401	0		25,4	2438	6096	1	96	240	2 963	83948	83948A	A36/A283 GR C		AR	83948A0601	277	446	30	T		0	0	0	0			0		
607	83858B1601	0		31,75	1829	6096	1 1/4	72	240	2 779	83858	83858B	A36/A283 GR C		AR	83858B1801	292	448	26	T		0	0	0	0			0		
608	83858B1801	0		31,75	1829	6096	1 1/4	72	240	2 779	83858	83858B	A36/A283 GR C		AR	83858B1801	292	448	26	T		0	0	0	0			0		
609	83877B1801	0		31,75	1829	6096	1 1/4	72	240	2 779	83877	83877B	A36/A283 GR C		AR	83877B2201	306	458	23	T		0	0	0	0			0		
610	83877B1901	0		31,75	1829	6096	1 1/4	72	240	2 779	83877	83877B	A36/A283 GR C		AR	83877B2201	306	458	23	T		0	0	0	0			0		
611	83877B2001	0		31,75	1829	6096	1 1/4	72	240	2 779	83877	83877B	A36/A283 GR C		AR	83877B2201	306	458	23	T		0	0	0	0			0		
612	83877B2101	0		31,75	1829	6096	1 1/4	72	240	2 779	83877	83877B	A36/A283 GR C		AR	83877B2201	306	458	23	T		0	0	0	0			0		
613	83877B2201	0		31,75	1829	6096	1 1/4	72	240	2 779	83877	83877B	A36/A283 GR C		AR	83877B2201	306	458	23	T		0	0	0	0			0		
614	83877B2301	0		31,75	1829	6096	1 1/4	72	240	2 779	83877	83877B	A36/A283 GR C		AR	83877B2201	306	458	23	T		0	0	0	0			0		

No	B07 Heat / Cast Nr	Deoxidation Method	/ C71 / Chemical composition / % /																
			C	Si	Mn	P	S	N	Cu	Cr	Ni	Mo	Al	V	Ti	Nb	W	As	Ceq
1	83855		0.130	0.230	0.830	0.012	0.010	0.009	0.310	0.090	0.090	0.013	0.039	0.003	0.027	0.001	0.000	0.013	0.316
2	83858		0.140	0.280	0.860	0.013	0.003	0.009	0.310	0.110	0.080	0.014	0.035	0.004	0.032	0.002	0.000	0.012	0.335
3	83879		0.150	0.260	0.860	0.022	0.008	0.010	0.360	0.170	0.100	0.017	0.038	0.005	0.029	0.002	0.001	0.014	0.362
4	83925		0.140	0.220	0.850	0.010	0.004	0.008	0.370	0.080	0.080	0.013	0.032	0.004	0.030	0.001	0.000	0.010	0.331
5	83920		0.130	0.250	0.840	0.018	0.004	0.009	0.280	0.120	0.090	0.013	0.033	0.005	0.030	0.002	0.000	0.014	0.322
6	83877		0.140	0.250	0.850	0.014	0.006	0.009	0.330	0.100	0.100	0.017	0.035	0.004	0.025	0.001	0.000	0.012	0.335
7	83918		0.130	0.220	0.850	0.013	0.007	0.010	0.350	0.100	0.090	0.013	0.035	0.005	0.034	0.001	0.000	0.013	0.325
8	83874		0.140	0.220	0.830	0.010	0.006	0.008	0.270	0.080	0.080	0.015	0.038	0.004	0.027	0.001	0.000	0.015	0.322
9	83852		0.140	0.250	0.850	0.012	0.007	0.009	0.290	0.080	0.080	0.016	0.026	0.003	0.022	0.001	0.000	0.013	0.326
10	83849		0.130	0.250	0.850	0.011	0.015	0.010	0.320	0.080	0.080	0.012	0.037	0.002	0.029	0.001	0.000	0.013	0.317
11	84048		0.130	0.240	0.840	0.011	0.007	0.008	0.320	0.070	0.110	0.015	0.038	0.004	0.033	0.001	0.000	0.010	0.317
12	84003		0.130	0.240	0.850	0.010	0.008	0.009	0.300	0.070	0.080	0.011	0.037	0.004	0.030	0.001	0.000	0.009	0.314
13	83847		0.140	0.240	0.860	0.018	0.013	0.011	0.290	0.100	0.070	0.012	0.034	0.003	0.028	0.001	0.000	0.013	0.330
14	83848		0.130	0.270	0.850	0.013	0.013	0.011	0.290	0.080	0.070	0.012	0.038	0.003	0.036	0.001	0.001	0.012	0.315
15	83854		0.130	0.240	0.850	0.015	0.013	0.010	0.350	0.100	0.090	0.014	0.033	0.003	0.028	0.001	0.000	0.013	0.324
16	84145		0.150	0.240	0.850	0.010	0.008	0.010	0.240	0.150	0.090	0.012	0.031	0.004	0.026	0.001	0.000	0.014	0.347
17	83986		0.130	0.240	0.810	0.014	0.009	0.009	0.290	0.090	0.090	0.019	0.035	0.003	0.035	0.001	0.000	0.012	0.313
18	83987		0.140	0.230	0.840	0.013	0.009	0.009	0.330	0.080	0.090	0.017	0.038	0.003	0.031	0.001	0.000	0.011	0.328
19	83944		0.140	0.250	0.840	0.010	0.005	0.009	0.280	0.080	0.070	0.011	0.030	0.004	0.027	0.001	0.000	0.011	0.322
20	83853		0.140	0.240	0.850	0.013	0.009	0.010	0.310	0.080	0.090	0.014	0.031	0.003	0.030	0.001	0.000	0.013	0.328
21	83926		0.130	0.240	0.830	0.010	0.004	0.009	0.320	0.080	0.090	0.013	0.039	0.004	0.028	0.001	0.000	0.010	0.315
22	83845		0.130	0.230	0.860	0.013	0.009	0.011	0.280	0.080	0.080	0.014	0.028	0.003	0.034	0.001	0.000	0.011	0.317
23	83851		0.140	0.240	0.840	0.012	0.013	0.010	0.290	0.080	0.080	0.013	0.029	0.003	0.032	0.001	0.000	0.014	0.324
24	83850		0.140	0.260	0.850	0.011	0.009	0.010	0.290	0.080	0.080	0.013	0.032	0.003	0.032	0.001	0.000	0.014	0.326
25	83947		0.140	0.260	0.860	0.009	0.003	0.011	0.330	0.070	0.090	0.018	0.036	0.005	0.035	0.001	0.000	0.011	0.330
26	83951		0.140	0.250	0.830	0.010	0.012	0.009	0.310	0.060	0.080	0.015	0.038	0.004	0.028	0.001	0.000	0.013	0.320
27	83989		0.130	0.230	0.860	0.011	0.006	0.009	0.290	0.070	0.080	0.013	0.033	0.003	0.031	0.001	0.000	0.011	0.315
28	83988		0.140	0.240	0.850	0.011	0.005	0.009	0.300	0.070	0.080	0.013	0.029	0.003	0.026	0.001	0.000	0.011	0.324
29	83880		0.140	0.250	0.860	0.021	0.008	0.009	0.310	0.120	0.100	0.019	0.033	0.005	0.026	0.001	0.002	0.012	0.340
30	83948		0.130	0.250	0.830	0.010	0.005	0.011	0.340	0.070	0.080	0.014	0.040	0.005	0.039	0.001	0.000	0.011	0.314
31	83946		0.130	0.250	0.820	0.009	0.006	0.009	0.260	0.060	0.070	0.012	0.032	0.004	0.032	0.001	0.000	0.012	0.304
32	84052		0.130	0.240	0.830	0.011	0.013	0.010	0.340	0.080	0.090	0.024	0.045	0.004	0.029	0.001	0.000	0.008	0.319
33	84156		0.140	0.290	0.860	0.012	0.014	0.010	0.270	0.070	0.090	0.014	0.033	0.003	0.025	0.001	0.000	0.013	0.325
34	84151		0.140	0.230	0.860	0.011	0.008	0.008	0.220	0.100	0.090	0.014	0.039	0.004	0.033	0.001	0.000	0.014	0.328
35	84153		0.140	0.230	0.860	0.011	0.007	0.010	0.260	0.080	0.100	0.017	0.045	0.004	0.038	0.001	0.000	0.014	0.328

D01 - RESULT OF SURFACE CONTROL AND DIMENSIONAL CHECK: SATISFACTORY

Z01 - WE HEREBY CERTIFY THAT THE ABOVE MENTIONED STEEL HAS BEEN DELIVERED TO YOU IN COMPLIANCE WITH YOUR PURCHASE ORDER.
WE HEREBY CERTIFY THAT THE ABOVE MENTIONED STEEL (HEAT NUMBER) HAS BEEN TESTED AND PROVED TO BE FREE OF RADIOACTIVITY.

*Lo=8 in.

A05 Chief Department
Technical control
Stomana Industry S.A.

STOMANA S.A.