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		

468	83879B0701	0		25,4	1829	6096	1	72	240	2 223	83879	83879B	A36/A283 GR C		AR	83879B0301	306	479	25	T		0	0	0	0			0		
469	83879B0702	0		25,4	1829	6096	1	72	240	2 223	83879	83879B	A36/A283 GR C		AR	83879B0301	306	479	25	T		0	0	0	0			0		
470	83879B0801	0		25,4	1829	6096	1	72	240	2 223	83879	83879B	A36/A283 GR C		AR	83879B0301	306	479	25	T		0	0	0	0			0		
471	83879B0802	0		25,4	1829	6096	1	72	240	2 223	83879	83879B	A36/A283 GR C		AR	83879B0301	306	479	25	T		0	0	0	0			0		
472	83879B0901	0		25,4	1829	6096	1	72	240	2 223	83879	83879B	A36/A283 GR C		AR	83879B0301	306	479	25	T		0	0	0	0			0		
473	83879B0902	0		25,4	1829	6096	1	72	240	2 223	83879	83879B	A36/A283 GR C		AR	83879B0301	306	479	25	T		0	0	0	0			0		
474	83879B1001	0		25,4	1829	6096	1	72	240	2 223	83879	83879B	A36/A283 GR C		AR	83879B0301	306	479	25	T		0	0	0	0			0		
475	83879B1002	0		25,4	1829	6096	1	72	240	2 223	83879	83879B	A36/A283 GR C		AR	83879B0301	306	479	25	T		0	0	0	0			0		
476	83879B1101	0		25,4	1829	6096	1	72	240	2 223	83879	83879B	A36/A283 GR C		AR	83879B0301	306	479	25	T		0	0	0	0			0		
477	83879B1102	0		25,4	1829	6096	1	72	240	2 223	83879	83879B	A36/A283 GR C		AR	83879B0301	306	479	25	T		0	0	0	0			0		
478	83879B1201	0		25,4	1829	6096	1	72	240	2 223	83879	83879B	A36/A283 GR C		AR	83879B0301	306	479	25	T		0	0	0	0			0		
479	83879B1202	0		25,4	1829	6096	1	72	240	2 223	83879	83879B	A36/A283 GR C		AR	83879B0301	306	479	25	T		0	0	0	0			0		
480	83879B1301	0		25,4	1829	6096	1	72	240	2 223	83879	83879B	A36/A283 GR C		AR	83879B0301	306	479	25	T		0	0	0	0			0		
481	83879B1302	0		25,4	1829	6096	1	72	240	2 223	83879	83879B	A36/A283 GR C		AR	83879B0301	306	479	25	T		0	0	0	0			0		
482	83879B1401	0		25,4	1829	6096	1	72	240	2 223	83879	83879B	A36/A283 GR C		AR	83879B0301	306	479	25	T		0	0	0	0			0		
483	83879B1402	0		25,4	1829	6096	1	72	240	2 223	83879	83879B	A36/A283 GR C		AR	83879B0301	306	479	25	T		0	0	0	0			0		
484	83947A0101	0		25,4	1829	6096	1	72	240	2 223	83947	83947A	A36/A283 GR C		AR	83947A0401	307	468	22	T		0	0	0	0			0		
485	83947A0102	0		25,4	1829	6096	1	72	240	2 223	83947	83947A	A36/A283 GR C		AR	83947A0401	307	468	22	T		0	0	0	0			0		
486	83947A0201	0		25,4	1829	6096	1	72	240	2 223	83947	83947A	A36/A283 GR C		AR	83947A0401	307	468	22	T		0	0	0	0			0		
487	83947A0202	0		25,4	1829	6096	1	72	240	2 223	83947	83947A	A36/A283 GR C		AR	83947A0401	307	468	22	T		0	0	0	0			0		
488	83947A0301	0		25,4	1829	6096	1	72	240	2 223	83947	83947A	A36/A283 GR C		AR	83947A0401	307	468	22	T		0	0	0	0			0		
489	83947A0302	0		25,4	1829	6096	1	72	240	2 223	83947	83947A	A36/A283 GR C		AR	83947A0401	307	468	22	T		0	0	0	0			0		
490	83947A0401	0		25,4	1829	6096	1	72	240	2 223	83947	83947A	A36/A283 GR C		AR	83947A0401	307	468	22	T		0	0	0	0			0		
491	83947A0501	0		25,4	1829	6096	1	72	240	2 223	83947	83947A	A36/A283 GR C		AR	83947A0401	307	468	22	T		0	0	0	0			0		
492	83947A0502	0		25,4	1829	6096	1	72	240	2 223	83947	83947A	A36/A283 GR C		AR	83947A0401	307	468	22	T		0	0	0	0			0		
493	83850A0101	0		25,4	2438	6096	1	96	240	2 963	83850	83850A	A36/A283 GR C		AR	83850A1401	290	462	24	T		0	0	0	0			0		
494	83850A0201	0		25,4	2438	6096	1	96	240	2 963	83850	83850A	A36/A283 GR C		AR	83850A1401	290	462	24	T		0	0	0	0			0		
495	83850A0301	0		25,4	2438	6096	1	96	240	2 963	83850	83850A	A36/A283 GR C		AR	83850A1401	290	462	24	T		0	0	0	0			0		
496	83850A0401	0		25,4	2438	6096	1	96	240	2 963	83850	83850A	A36/A283 GR C		AR	83850A1401	290	462	24	T		0	0	0	0			0		
497	83850A0501	0		25,4	2438	6096	1	96	240	2 963	83850	83850A	A36/A283 GR C		AR	83850A1401	290	462	24	T		0	0	0	0			0		
498	83850A0601	0		25,4	2438	6096	1	96	240	2 963	83850	83850A	A36/A283 GR C		AR	83850A1401	290	462	24	T		0	0	0	0			0		
499	83850A0701	0		25,4	2438	6096	1	96	240	2 963	83850	83850A	A36/A283 GR C		AR	83850A1401	290	462	24	T		0	0	0	0			0		
500	83850A0801	0		25,4	2438	6096	1	96	240	2 963	83850	83850A	A36/A283 GR C		AR	83850A1401	290	462	24	T		0	0	0	0			0		
501	83850A0901	0		25,4	2438	6096	1	96	240	2 963	83850	83850A	A36/A283 GR C		AR	83850A1401	290	462	24	T		0	0	0	0			0		
502	83850A1001	0		25,4	2438	6096	1	96	240	2 963	83850	83850A	A36/A283 GR C		AR	83850A1401	290	462	24	T		0	0	0	0			0		
503	83850A1101	0		25,4	2438	6096	1	96	240	2 963	83850	83850A	A36/A283 GR C		AR	83850A1401	290	462	24	T		0	0	0	0			0		
504	83850A1201	0		25,4	2438	6096	1	96	240	2 963	83850	83850A	A36/A283 GR C		AR	83850A1401	290	462	24	T		0	0	0	0			0		
505	83850A1301	0		25,4	2438	6096	1	96	240	2 963	83850	83850A	A36/A283 GR C		AR	83850A1401	290	462	24	T		0	0	0	0			0		
506	83850A1401	0		25,4	2438	6096	1	96	240	2 963	83850	83850A	A36/A283 GR C		AR	83850A1401	290	462	24	T		0	0	0	0			0		
507	83850A1501	0		25,4	2438	6096	1	96	240	2 963	83850	83850A	A36/A283 GR C		AR	83850A1401	290	462	24	T		0	0	0	0			0		
508	83850A1601	0		25,4	2438	6096	1	96	240	2 963	83850	83850A	A36/A283 GR C		AR	83850A1401	290	462	24	T		0	0	0	0			0		
509	83850A1701	0		25,4	2438	6096	1	96	240	2 963	83850	83850A	A36/A283 GR C		AR	83850A1401	290	462	24	T		0	0	0	0			0		
510	83850A1801	0		25,4	2438	6096	1	96	240	2 963	83850	83850A	A36/A283 GR C		AR	83850A1401	290	462	24	T		0	0	0	0			0		
511	83854A0101	0		25,4	2438	6096	1	96	240	2 963	83854	83854A	A36/A283 GR C		AR	83854A0201	282	465	26	T		0	0	0	0			0		
512	83854A0201	0		25,4	2438	6096	1	96	240	2 963	83854	83854A	A36/A283 GR C		AR	83854A0201	282	465	26	T		0	0	0	0			0		
513	83854A0301	0		25,4	2438	6096	1	96	240	2 963	83854	83854A	A36/A283 GR C		AR	83854A0201	282	465	26	T		0	0	0	0			0		
514	83854A0401	0		25,4	2438	6096	1	96	240	2 963	83854	83854A	A36/A283 GR C		AR	83854A0201	282	465	26	T		0	0	0	0			0		
515	83854A0501	0		25,4	2438	6096	1	96	240	2 963	83854	83854A	A36/A283 GR C		AR	83854A0201	282	465	26	T		0	0	0	0			0		
516	83854A0601	0		25,4	2438	6096	1	96	240	2 963	83854	83854A	A36/A283 GR C		AR	83854A0201	282	465	26	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.