



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



A03 INSPECTION CERTIFICATE : MX192450LOT3A

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 : 396  
Total mass, kg : 920 478

A08 Order Nr : MX192450 LOT3A  
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 Weight	Heat Cast	Batch B-07	Steel		Mechanical properties														
			Thickness			Thick	Width	Length				Mass	Heat	Batch	Grade	Cond	Tested plate	Tension			Impact strength				Tension		Bend in cold	Hardness
			Cl.	Thick	Width													ReH	Rm	Elong	Dir.	V - notch ( ISO - V )				Dir.		
			B07	B09	B10	B11	B09	B10				B11	kg	No	No	B02	B-04	No	Mpa	Mpa	%	C02	C03	C43	C42	C42	C42	C02
1	83880A0101	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	0		
2	83880A0102	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	0		
3	83880A0103	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	0		
4	83880A0201	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	0		
5	83880A0202	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	0		
6	83880A0203	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	0		
7	83880A0301	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	0		
8	83880A0302	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	0		
9	83880A0401	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	0		
10	83880A0402	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	0		
11	83880A0403	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	0		
12	83880A0501	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	0		
13	83880A0502	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	0		
14	83880A0503	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	0		
15	83880A0601	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	0		
16	83880A0602	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	0		
17	83880A0603	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	0		
18	83880A0701	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	0		
19	83880A0702	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	0		
20	83880A0703	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	0		
21	83880A0803	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	0		
22	83986C1801	0	9.53	2438	6096	3/8	96	240	1 112	83986	83986C	A36/A283 GR C	AR	83986C1801	361	484	27	T		0	0	0	0		0	0		
23	83986C1802	0	9.53	2438	6096	3/8	96	240	1 112	83986	83986C	A36/A283 GR C	AR	83986C1801	361	484	27	T		0	0	0	0		0	0		
24	83986C1803	0	9.53	2438	6096	3/8	96	240	1 112	83986	83986C	A36/A283 GR C	AR	83986C1801	361	484	27	T		0	0	0	0		0	0		
25	83986C1901	0	9.53	2438	6096	3/8	96	240	1 112	83986	83986C	A36/A283 GR C	AR	83986C1801	361	484	27	T		0	0	0	0		0	0		
26	83986C1902	0	9.53	2438	6096	3/8	96	240	1 112	83986	83986C	A36/A283 GR C	AR	83986C1801	361	484	27	T		0	0	0	0		0	0		

370	84050A0701	0	38,1	1829	6096	1 1/2	72	240	3 335	84050	84050A	A36/A283 GR C	AR	84050A0601	289	445	26	T		0	0	0	0			0		
371	84050A0901	0	38,1	1829	6096	1 1/2	72	240	3 335	84050	84050A	A36/A283 GR C	AR	84050A0601	289	445	26	T		0	0	0	0			0		
372	84050A1001	0	38,1	1829	6096	1 1/2	72	240	3 335	84050	84050A	A36/A283 GR C	AR	84050A0601	289	445	26	T		0	0	0	0			0		
373	84050A1101	0	38,1	1829	6096	1 1/2	72	240	3 335	84050	84050A	A36/A283 GR C	AR	84050A0601	289	445	26	T		0	0	0	0			0		
374	84050A1201	0	38,1	1829	6096	1 1/2	72	240	3 335	84050	84050A	A36/A283 GR C	AR	84050A0601	289	445	26	T		0	0	0	0			0		
375	84050A1301	0	38,1	1829	6096	1 1/2	72	240	3 335	84050	84050A	A36/A283 GR C	AR	84050A0601	289	445	26	T		0	0	0	0			0		
376	84050A1401	0	38,1	1829	6096	1 1/2	72	240	3 335	84050	84050A	A36/A283 GR C	AR	84050A0601	289	445	26	T		0	0	0	0			0		
377	84050A1501	0	38,1	1829	6096	1 1/2	72	240	3 335	84050	84050A	A36/A283 GR C	AR	84050A0601	289	445	26	T		0	0	0	0			0		
378	84050A1601	0	38,1	1829	6096	1 1/2	72	240	3 335	84050	84050A	A36/A283 GR C	AR	84050A0601	289	445	26	T		0	0	0	0			0		
379	83922A0101	0	38,1	2438	6096	1 1/2	96	240	4 445	83922	83922A	A36/A283 GR C	AR	83922A0101	289	442	24	T		0	0	0	0			0		
380	83922A0201	0	38,1	2438	6096	1 1/2	96	240	4 445	83922	83922A	A36/A283 GR C	AR	83922A0101	289	442	24	T		0	0	0	0			0		
381	83922A0301	0	38,1	2438	6096	1 1/2	96	240	4 445	83922	83922A	A36/A283 GR C	AR	83922A0101	289	442	24	T		0	0	0	0			0		
382	83922A0401	0	38,1	2438	6096	1 1/2	96	240	4 445	83922	83922A	A36/A283 GR C	AR	83922A0101	289	442	24	T		0	0	0	0			0		
383	83922A0601	0	38,1	2438	6096	1 1/2	96	240	4 445	83922	83922A	A36/A283 GR C	AR	83922A0101	289	442	24	T		0	0	0	0			0		
384	83922A0701	0	38,1	2438	6096	1 1/2	96	240	4 445	83922	83922A	A36/A283 GR C	AR	83922A0101	289	442	24	T		0	0	0	0			0		
385	83922A0801	0	38,1	2438	6096	1 1/2	96	240	4 445	83922	83922A	A36/A283 GR C	AR	83922A0101	289	442	24	T		0	0	0	0			0		
386	83922A0901	0	38,1	2438	6096	1 1/2	96	240	4 445	83922	83922A	A36/A283 GR C	AR	83922A0101	289	442	24	T		0	0	0	0			0		
387	83922A1001	0	38,1	2438	6096	1 1/2	96	240	4 445	83922	83922A	A36/A283 GR C	AR	83922A0101	289	442	24	T		0	0	0	0			0		
388	83944A0301	0	50,8	1829	6096	2	72	240	4 446	83944	83944A	A36/A283 GR C	AR	83944A0101	316	456	24	T		0	0	0	0			0		
389	83944A0601	0	50,8	1829	6096	2	72	240	4 446	83944	83944A	A36/A283 GR C	AR	83944A0101	316	456	24	T		0	0	0	0			0		
390	83946A0701	0	50,8	1829	6096	2	72	240	4 446	83946	83946A	A36/A283 GR C	AR	83946A0501	299	437	25	T		0	0	0	0			0		
391	83946A0801	0	50,8	1829	6096	2	72	240	4 446	83946	83946A	A36/A283 GR C	AR	83946A0501	299	437	25	T		0	0	0	0			0		
392	83946A0901	0	50,8	1829	6096	2	72	240	4 446	83946	83946A	A36/A283 GR C	AR	83946A0501	299	437	25	T		0	0	0	0			0		
393	83946A1001	0	50,8	1829	6096	2	72	240	4 446	83946	83946A	A36/A283 GR C	AR	83946A0501	299	437	25	T		0	0	0	0			0		
394	83946A1101	0	50,8	1829	6096	2	72	240	4 446	83946	83946A	A36/A283 GR C	AR	83946A0501	299	437	25	T		0	0	0	0			0		
395	83946A1201	0	50,8	1829	6096	2	72	240	4 446	83946	83946A	A36/A283 GR C	AR	83946A0501	299	437	25	T		0	0	0	0			0		
396	83946A1301	0	50,8	1829	6096	2	72	240	4 446	83946	83946A	A36/A283 GR C	AR	83946A0501	299	437	25	T		0	0	0	0			0		

\*Lo=8 in.

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	83846		0.130	0.230	0.850	0.014	0.017	0.011	0.290	0.070	0.080	0.014	0.037	0.003	0.034	0.001	0.000	0.012	0.314
2	83924		0.130	0.240	0.830	0.013	0.006	0.010	0.290	0.090	0.070	0.011	0.033	0.004	0.026	0.001	0.000	0.010	0.313
3	83919		0.130	0.240	0.850	0.014	0.004	0.010	0.310	0.100	0.080	0.012	0.033	0.005	0.029	0.001	0.000	0.014	0.321
4	83921		0.120	0.270	0.860	0.012	0.002	0.010	0.250	0.080	0.090	0.011	0.037	0.006	0.037	0.001	0.000	0.010	0.305
5	83923		0.130	0.240	0.840	0.011	0.005	0.010	0.280	0.070	0.080	0.010	0.031	0.004	0.033	0.001	0.000	0.010	0.311
6	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
7	83949		0.130	0.260	0.830	0.009	0.010	0.010	0.300	0.070	0.100	0.016	0.040	0.004	0.033	0.001	0.000	0.011	0.313
8	83922		0.130	0.240	0.850	0.011	0.007	0.011	0.270	0.070	0.090	0.012	0.037	0.005	0.038	0.001	0.000	0.012	0.313
9	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
10	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
11	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
12	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
13	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
14	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
15	84002		0.130	0.230	0.840	0.011	0.004	0.009	0.290	0.090	0.080	0.014	0.037	0.004	0.027	0.001	0.000	0.010	0.316
16	84050		0.140	0.250	0.840	0.012	0.007	0.009	0.360	0.080	0.100	0.022	0.038	0.004	0.030	0.001	0.000	0.010	0.332
17	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
18	84149		0.130	0.230	0.860	0.010	0.009	0.009	0.220	0.080	0.110	0.018	0.045	0.004	0.035	0.001	0.000	0.017	0.318
19	84150		0.130	0.250	0.880	0.012	0.008	0.008	0.240	0.110	0.090	0.017	0.041	0.004	0.029	0.001	0.000	0.014	0.325
20	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
21	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
22	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
23	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
24	84152		0.130	0.260	0.850	0.010	0.008	0.010	0.210	0.090	0.070	0.015	0.028	0.004	0.023	0.001	0.000	0.016	0.312
25	84154		0.130	0.250	0.850	0.010	0.005	0.010	0.250	0.070	0.090	0.017	0.048	0.004	0.036	0.001	0.000	0.016	0.313
26	84146		0.140	0.250	0.820	0.011	0.012	0.010	0.230	0.090	0.090	0.011	0.039	0.004	0.031	0.001	0.000	0.014	0.319

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.

