



Company: S.C. BUSINESS ANALYSIS & STRATEGY CONSULTING S.R.L.											
Client:		MUNICIPIUL TARGUL JIU			Pr. Nr:		499 /10.08.2023				
Proiect:		Terminal multimodal si baza Park&Ride-			Extras ancore chimice terminal transport						
Detailer:		Ing. Iordan Relu			Data:		12-Nov-23				
Length (mm)		Grade		Standard		Part weight (kg)		Total weight (kg)		Remark	
265		5.8		HILTI HAS-E		0.5		21.7			
165		5.8		HILTI HAS-E		0.2		1.3			
165		5.8		HILTI HAS-E		0.2		11.6			
115											
34.7											
										kg	

List produced by AUTODESK Advance Steel

Company	S.C. BUSINESS ANALYSIS & STRATEGY CONSULTING S.R.L.		
Client:		MUNICIPIUL TARGUL JIU	Pr. Nr: 499 /10.08.2023
Proiect:		Terminal multimodal si baza Park&Ride-	

Extras laminate pe sect.				
Detailer:	Ing. Iordan Relu	Date:	12-Nov-23	
Length (mm)	Grade	Part weight (kg)	Total weight (kg)	Remark

RD30				
120	p1	RD30	853	568
120	TOTAL		102,360	568

RHS50x30x3				
117	p2	RHS50x30x3	1,240	478.8
51	p4	RHS50x30x3	1,240	208.7
18	p6	RHS50x30x3	1,300	77.2
12	p13	RHS50x30x3	1,300	51.5
6	p22	RHS50x30x3	6,006	118.9
6	p23	RHS50x30x3	6,000	118.8
4	p32	RHS50x30x3	5,775	76.2
2	p50	RHS50x30x3	9,589	63.3
2	p51	RHS50x30x3	9,476	62.5
2	p52	RHS50x30x3	9,405	62.1
2	p53	RHS50x30x3	8,079	53.3
2	p54	RHS50x30x3	7,175	47.4
2	p55	RHS50x30x3	6,368	42
2	p56	RHS50x30x3	5,780	38.1
2	p57	RHS50x30x3	3,895	25.7
1	p141	RHS50x30x3	5,359	17.7
1	p142	RHS50x30x3	5,359	17.7
1	p143	RHS50x30x3	1,220	4
233	TOTAL		473,928	1,564

Quantity	Mark	Description	Length (mm)	Grade	Part weight (kg)	Total weight (kg)	Remark
RHS60x30x3.2							
61	p3	RHS60x30x3.2	584	S235J2	2.4	148.2	
61	<u>TOTAL</u>	<u>TOTAL</u>	35,624			148.2	
IPE200							
18	p5	IPE200	5,766	S355JR	129.2	2,324.90	
12	p11	IPE200	5,541	S355JR	124.1	1,489.40	
3	p38	IPE200	871	S355JR	19.5	58.5	
3	p39	IPE200	870	S355JR	19.5	58.4	
2	p46	IPE200	925	S355JR	20.7	41.5	
2	p47	IPE200	923	S355JR	20.7	41.4	
1	p86	IPE200	4,531	S355JR	101.5	101.5	
1	p87	IPE200	4,357	S355JR	97.6	97.6	
1	p88	IPE200	4,182	S355JR	93.7	93.7	
1	p89	IPE200	3,789	S355JR	84.9	84.9	
1	p90	IPE200	3,615	S355JR	81	81	
1	p91	IPE200	3,441	S355JR	77.1	77.1	
1	p92	IPE200	2,967	S355JR	66.5	66.5	
1	p93	IPE200	2,664	S355JR	59.7	59.7	
1	p94	IPE200	2,362	S355JR	52.9	52.9	
1	p95	IPE200	1,678	S355JR	37.6	37.6	
1	p96	IPE200	1,375	S355JR	30.8	30.8	
1	p97	IPE200	1,073	S355JR	24	24	
1	p98	IPE200	926	S355JR	20.7	20.7	
1	p99	IPE200	924	S355JR	20.7	20.7	
54	<u>TOTAL</u>	<u>TOTAL</u>	217,082			4,862.60	
RHS100x50x5							
15	p7	RHS100x50x5	2,130	S235J2	22.4	335.5	
1	p129	RHS100x50x5	3,880	S235J2	40.7	40.7	

Quantity	Mark	Description	Length (mm)	Grade	Part weight (kg)	Total weight (kg)	Remark
1	p130	RHS100x50x5	3830	S235J2	40.2	40.2	
17	TOTAL	TOTAL	39,660			416.4	

RHS60x3

14	p8	RHS60x3	834	S355JR	4.3	60.6	
10	p14	RHS60x3	1,402	S355JR	7.3	72.8	
8	p18	RHS60x3	1,386	S355JR	7.2	57.5	
8	p19	RHS60x3	1,379	S355JR	7.2	57.3	
6	p24	RHS60x3	834	S355JR	4.3	26	
5	p26	RHS60x3	1,333	S355JR	6.9	34.6	
5	p27	RHS60x3	882	S355JR	4.6	22.9	
4	p33	RHS60x3	1,386	S355JR	7.2	28.8	
4	p34	RHS60x3	902	S355JR	4.7	18.7	
4	p35	RHS60x3	902	S355JR	4.7	18.7	
3	p43	RHS60x3	1,359	S355JR	7.1	21.2	
3	p44	RHS60x3	1,359	S355JR	7.1	21.2	
3	p45	RHS60x3	882	S355JR	4.6	13.7	
2	p59	RHS60x3	1,402	S355JR	7.3	14.6	
2	p60	RHS60x3	1,344	S355JR	7	13.9	
2	p61	RHS60x3	1,333	S355JR	6.9	13.8	
2	p62	RHS60x3	882	S355JR	4.6	9.2	
1	p144	RHS60x3	1,408	S355JR	7.3	7.3	
1	p145	RHS60x3	1,358	S355JR	7	7	
1	p146	RHS60x3	1,358	S355JR	7	7	
1	p147	RHS60x3	1,344	S355JR	7	7	
1	p148	RHS60x3	1,331	S355JR	6.9	6.9	
1	p149	RHS60x3	925	S355JR	4.8	4.8	
1	p150	RHS60x3	910	S355JR	4.7	4.7	
1	p151	RHS60x3	900	S355JR	4.7	4.7	
1	p152	RHS60x3	880	S355JR	4.6	4.6	

Quantity	Mark	Description	Length (mm)	Grade	Part weight (kg)	Total weight (kg)	Remark
94	<u>TOTAL</u>	<u>TOTAL</u>	107,788			559.4	
-4975							
12	p9	-4975	4,975	S355JR	772.1	9,265.40	
12	<u>TOTAL</u>	<u>TOTAL</u>	59,700			9,265.40	
HEA120							
12	p10	HEA120	250	S355JR	5	59.7	
12	<u>TOTAL</u>	<u>TOTAL</u>	3,000			59.7	
IPE450							
12	p12	IPE450	5,151	S355JR	399.7	4,796.70	
12	<u>TOTAL</u>	<u>TOTAL</u>	61,814			4,796.70	
UPE200							
10	p15	UPE200	12,000	S355JR	273.6	2,736	
5	p28	UPE200	5,770	S355JR	131.6	657.8	
4	p36	UPE200	5,790	S355JR	132	528	
4	p37	UPE200	5,565	S355JR	126.9	507.5	
2	p65	UPE200	6,170	S355JR	140.7	281.4	
2	p66	UPE200	5,790	S355JR	132	264	
1	p157	UPE200	10,892	S355JR	248.3	248.3	
1	p158	UPE200	10,704	S355JR	244.1	244.1	
1	p159	UPE200	10,512	S355JR	239.7	239.7	
1	p160	UPE200	8,821	S355JR	201.1	201.1	
1	p161	UPE200	8,643	S355JR	197.1	197.1	
1	p162	UPE200	6,269	S355JR	142.9	142.9	
1	p163	UPE200	6,000	S355JR	136.8	136.8	
1	p164	UPE200	5,945	S355JR	135.5	135.5	
1	p165	UPE200	5,942	S355JR	135.5	135.5	
1	p166	UPE200	5,770	S355JR	131.6	131.6	
1	p167	UPE200	5,770	S355JR	131.6	131.6	

Quantity	Mark	Description	Length (mm)	Grade	Part weight (kg)	Total weight (kg)	Remark
1	p168	UPE200	5,770	S355JR	131.6	131.6	
1	p169	UPE200	5,765	S355JR	131.4	131.4	
1	p170	UPE200	5,609	S355JR	127.9	127.9	
1	p171	UPE200	4,822	S355JR	110	110	
1	p172	UPE200	4,021	S355JR	91.7	91.7	
1	p173	UPE200	3,972	S355JR	90.6	90.6	
1	p174	UPE200	3,972	S355JR	90.6	90.6	
1	p175	UPE200	3,387	S355JR	77.2	77.2	
1	p176	UPE200	3,375	S355JR	77	77	
1	p177	UPE200	2,671	S355JR	60.9	60.9	
1	p178	UPE200	2,362	S355JR	53.9	53.9	
1	p179	UPE200	2,183	S355JR	49.8	49.8	
1	p180	UPE200	2,101	S355JR	47.9	47.9	
1	p181	UPE200	924	S355JR	21.1	21.1	
1	p182	UPE200	924	S355JR	21.1	21.1	
1	p183	UPE200	920	S355JR	21	21	
1	p184	UPE200	920	S355JR	21	21	
1	p185	UPE200	882	S355JR	20.1	20.1	
1	p186	UPE200	870	S355JR	19.8	19.8	
1	p187	UPE200	853	S355JR	19.5	19.5	
1	p188	UPE200	850	S355JR	19.4	19.4	
1	p189	UPE200	834	S355JR	19	19	
60	TOTAL	TOTAL	361,449			8,241	

L 40x5

8	p16	L 40x5	100	S355JR	0.3	2.4	
8	TOTAL	TOTAL	800			2.4	

RD20

8	p17	RD20	653	S355JR	1.6	12.9	
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List produced by AUTODESK Advance Steel

Quantity	Mark	Description	Length (mm)		Grade	Part weight (kg)		Total weight (kg)	Remark
8	TOTAL	TOTAL	5,224					12.9	
IPE360									
6	p20	IPE360	4,960		S355JR	283.2		1,699.30	
5	p25	IPE360	3,086		S355JR	176.2		881	
4	p29	IPE360	4,735		S355JR	270.4		1,081.50	
1	p100	IPE360	3,106		S355JR	177.3		177.3	
1	p101	IPE360	2,919		S355JR	166.7		166.7	
1	p102	IPE360	2,691		S355JR	153.6		153.6	
1	p103	IPE360	2,413		S355JR	137.8		137.8	
1	p104	IPE360	2,155		S355JR	123.1		123.1	
1	p105	IPE360	1,898		S355JR	108.4		108.4	
1	p106	IPE360	1,650		S355JR	94.2		94.2	
22	TOTAL	TOTAL	80,960					4,622.80	
L100X10									
6	p21	L100X10	5,830		S235J2	88		528.2	
4	p31	L100X10	5,605		S235J2	84.6		338.5	
1	p107	L100X10	12,000		S235J2	181.2		181.2	
11	TOTAL	TOTAL	69,400					1,047.90	
L 80x8									
4	p30	L 80x8	659		S355JR	6.4		25.5	
4	TOTAL	TOTAL	2,638					25.5	
RHS100x5									
3	p40	RHS100x5	2,130		S235J2	30.7		92	
2	p48	RHS100x5	4,256		S235J2	61.3		122.6	
1	p108	RHS100x5	4,256		S235J2	61.3		61.3	
1	p109	RHS100x5	4,256		S235J2	61.3		61.3	
1	p110	RHS100x5	3,280		S235J2	47.2		47.2	
1	p111	RHS100x5	3,273		S235J2	47.1		47.1	

Quantity	Mark	Description	Length (mm)	Grade	Part weight (kg)	Total weight (kg)	Remark
1	p112	RHS100x5	2,940	S235J2	42.3	42.3	
1	p113	RHS100x5	2,915	S235J2	42	42	
1	p114	RHS100x5	2,915	S235J2	42	42	
1	p115	RHS100x5	2,890	S235J2	41.6	41.6	
1	p116	RHS100x5	2,873	S235J2	41.4	41.4	
1	p117	RHS100x5	2,870	S235J2	41.3	41.3	
1	p118	RHS100x5	2,705	S235J2	39	39	
1	p119	RHS100x5	2,607	S235J2	37.5	37.5	
1	p120	RHS100x5	2,495	S235J2	35.9	35.9	
1	p121	RHS100x5	2,465	S235J2	35.5	35.5	
1	p122	RHS100x5	2,463	S235J2	35.5	35.5	
1	p123	RHS100x5	2,407	S235J2	34.7	34.7	
1	p124	RHS100x5	2,365	S235J2	34.1	34.1	
1	p125	RHS100x5	1,865	S235J2	26.9	26.9	
1	p126	RHS100x5	1,500	S235J2	21.6	21.6	
1	p127	RHS100x5	798	S235J2	11.5	11.5	
25	TOTAL		69,039			994.2	

RHS150x100x4

3	p41	RHS150x100x4	5,699	S235J2	84.9	254.8	
3	p42	RHS150x100x4	4,256	S235J2	63.4	190.2	
2	p49	RHS150x100x4	5,699	S235J2	84.9	169.8	
1	p132	RHS150x100x4	5,699	S235J2	84.9	84.9	
1	p133	RHS150x100x4	5,474	S235J2	81.6	81.6	
1	p134	RHS150x100x4	5,474	S235J2	81.6	81.6	
1	p135	RHS150x100x4	5,474	S235J2	81.6	81.6	
1	p136	RHS150x100x4	5,474	S235J2	81.6	81.6	
1	p137	RHS150x100x4	4,256	S235J2	63.4	63.4	
14	TOTAL		73,116			1,089.40	

List produced by AUTODESK Advance Steel

Quantity	Mark	Description	Length (mm)		Grade	Part weight (kg)		Total weight (kg)		Remark
RHS80x40x4										
2	p63	RHS80x40x4		581	S355JR		3.9		7.8	
2	p64	RHS80x40x4		500	S355JR		3.4		6.7	
1	p153	RHS80x40x4		754	S355JR		5.1		5.1	
1	p154	RHS80x40x4		754	S355JR		5.1		5.1	
1	p155	RHS80x40x4		673	S355JR		4.5		4.5	
1	p156	RHS80x40x4		673	S355JR		4.5		4.5	
8	TOTAL	TOTAL		5,016					33.7	

HEA220							
1	p67	HEA220	5,912	S355JR	298.6	298.6	
1	p68	HEA220	5,909	S355JR	298.4	298.4	
1	p69	HEA220	5,810	S355JR	293.4	293.4	
1	p70	HEA220	5,810	S355JR	293.4	293.4	
1	p71	HEA220	5,103	S235J2	257.7	257.7	
1	p72	HEA220	5,071	S235J2	256.1	256.1	
1	p73	HEA220	4,899	S235J2	247.4	247.4	
1	p74	HEA220	4,897	S235J2	247.3	247.3	
1	p75	HEA220	4,889	S235J2	246.9	246.9	
1	p76	HEA220	4,867	S235J2	245.8	245.8	
1	p77	HEA220	4,866	S235J2	245.7	245.7	
1	p78	HEA220	4,836	S235J2	244.2	244.2	
1	p79	HEA220	4,388	S355JR	221.6	221.6	
1	p80	HEA220	3,708	S355JR	187.3	187.3	
1	p81	HEA220	3,637	S355JR	183.7	183.7	
1	p82	HEA220	3,589	S355JR	181.3	181.3	
1	p83	HEA220	2,988	S355JR	150.9	150.9	
1	p84	HEA220	2,869	S355JR	144.9	144.9	
1	p85	HEA220	636	S355JR	32.1	32.1	

List produced by AUTODESK Advance Steel

Quantity	Mark	Description	Length (mm)	Grade	Part weight (kg)	Total weight (kg)	Remark
19	TOTAL	TOTAL	84,685			4,276.60	

RHS100x50x4

1	p128	RHS100x50x4	240	S235J2	2.1	2.1	
1	p131	RHS100x50x4	240	S235J2	2.1	2.1	
2	TOTAL	TOTAL	480			4.1	

RHS150x100x5

1	p138	RHS150x100x5	4,815	S235J2	88.1	88.1	
1	p139	RHS150x100x5	4,771	S235J2	87.3	87.3	
1	p140	RHS150x100x5	4,695	S235J2	85.9	85.9	
3	TOTAL	TOTAL	14,281			261.3	

PL 8

2	p58	PL 8x150x185.92	186	S355JR	1.7	3.5	
80	p197	PL 8x96x200	200	S235J2	1.2	96.5	
60	p202	PL 8x100x255	255	S355JR	1.6	94.6	
42	p204	PL 8x110x255	255	S355JR	1.8	74	
37	p205	PL 8x150x185	185	S355JR	1.7	64.5	
32	p207	PL 8x100x265	265	S355JR	1.7	53.3	
32	p208	PL 8x125x207.2	207	S355JR	1.6	52	
30	p209	PL 8x100x290	290	S355JR	1.8	53.9	
21	p215	PL 8x110x260	260	S355JR	1.7	36.5	
20	p219	PL 8x255x416.56	417	S355JR	6	120.2	
16	p222	PL 8x106.5x188.31	188	S355JR	1.2	19.8	
12	p236	PL 8x100x100	100	S355JR	0.6	7.5	
12	p237	PL 8x181.17x196.35	196	S355JR	2	24.1	
12	p238	PL 8x218.41x484.21	484	S355JR	6.3	75.1	
12	p239	PL 8x263.69x415.86	416	S355JR	5.9	70.9	
11	p241	PL 8x180.62x202.17	202	S355JR	2.1	22.7	
10	p246	PL 8x125x160	160	S355JR	1.3	12.6	

List produced by AUTODESK Advance Steel

Quantity	Mark	Description	Length (mm)	Grade	Part weight (kg)		Total weight (kg)		Remark
10	p247	PL 8x96x100	100	S235J2	0.6		6		
10	p249	PL 8x90x100	100	S355JR	0.6		5.7		
8	p253	PL 8x106.5x186.11	186	S355JR	1.2		9.8		
8	p254	PL 8x106.5x189.13	189	S355JR	1.2		10		
8	p255	PL 8x180.4x203.92	204	S355JR	2.1		16.7		
8	p256	PL 8x219.31x473.21	473	S355JR	6.1		49.1		
6	p259	PL 8x110x110	110	S355JR	0.8		4.6		
6	p260	PL 8x215.22x291.12	291	S355JR	3.5		20.9		
6	p261	PL 8x217.25x499.36	499	S355JR	6.4		38.6		
6	p265	PL 8x110x110	110	S355JR	0.8		4.6		
4	p274	PL 8x100x129.1	129	S355JR	0.7		2.7		
4	p275	PL 8x100x143.34	143	S355JR	0.7		2.7		
2	p276	PL 8x150x185.66	186	S355JR	1.7		3.5		
4	p277	PL 8x184x234	234	S355JR	2.7		10.6		
4	p278	PL 8x217.74x492.01	492	S355JR	6.4		25.4		
3	p285	PL 8x110x260	260	S355JR	1.7		5.2		
2	p291	PL 8x100x123.55	124	S355JR	0.7		1.3		
2	p292	PL 8x100x130.38	130	S355JR	0.7		1.3		
2	p293	PL 8x100x130.66	131	S355JR	0.7		1.4		
2	p294	PL 8x100x146.57	147	S355JR	0.7		1.4		
2	p295	PL 8x150x186.44	186	S355JR	1.8		3.5		
2	p296	PL 8x215.22x291.12	291	S355JR	3.5		7		
2	p297	PL 8x90x110	110	S355JR	0.6		1.2		
2	p298	PL 8x95x110	110	S355JR	0.7		1.3		
1	p309	PL 8x100x186	186	S355JR	1.1		1.1		
1	p311	PL 8x150x187.34	187	S355JR	1.8		1.8		
1	p312	PL 8x150x192.75	193	S355JR	1.8		1.8		
1	p313	PL 8x150x197.75	198	S355JR	1.9		1.9		
1	p314	PL 8x180.63x203.66	204	S355JR	2.1		2.1		

Quantity	Mark	Description	Length (mm)	Grade	Part weight (kg)	Total weight (kg)	Remark
1	p315	PL 8x214.97x245.42	245	S355JR	2.9	2.9	
1	p316	PL 8x259.97x291.61	292	S355JR	4.1	4.1	
1	p317	PL 8x259.97x291.61	292	S355JR	4.3	4.3	
1	p318	PL 8x259.97x311.61	312	S355JR	4.3	4.3	
563	<u>TOTAL</u>	<u>TOTAL</u>				1,140.30	

PL 5

480	p190	PL 5x30x100	100	S355JR	0.1	44.6	
480	<u>TOTAL</u>	<u>TOTAL</u>				44.6	

PL 10

384	p191	PL 10x204.7x209.4	209	S355JR	2.8	1,091.60	
120	p195	PL 10x100x100	100	S355JR	0.8	94.2	
72	p198	PL 10x160x440	440	S355JR	5.5	397.9	
32	p206	PL 10x170x175	175	S355JR	2.3	74.2	
24	p213	PL 10x90.3x418.8	419	S355JR	2.9	70.5	
20	p216	PL 10x200x224	224	S355JR	2.7	53.1	
18	p220	PL 10x170x185.37	185	S355JR	2.5	44.2	
12	p226	PL 10x100x467.11	467	S355JR	3.7	44	
12	p227	PL 10x134.55x430.64	431	S355JR	2.6	30.8	
12	p228	PL 10x368.01x560.11	560	S355JR	13.5	162.5	
11	p240	PL 10x200x200	200	S355JR	3.1	34.5	
4	p244	PL 10x125x200	200	S355JR	2	7.9	
2	p262	PL 10x125x200	200	S355JR	2	3.9	
4	p266	PL 10x110x150	150	S355JR	1.3	5.2	
4	p267	PL 10x81x100	100	S355JR	0.6	2.5	
3	p279	PL 10x110x150	150	S355JR	1.3	3.9	
3	p280	PL 10x175x200	200	S355JR	2.7	8.2	
3	p281	PL 10x90x418.87	419	S355JR	2.9	8.7	
2	p286	PL 10x320x418.87	419	S355JR	8.5	17	

Quantity	Mark	Description	Length (mm)	Grade	Part weight (kg)	Total weight (kg)	Remark
1	p299	PL 10x110x150	150	S355JR	1.3	1.3	
1	p300	PL 10x320x418.87	419	S355JR	8.5	8.5	
744	TOTAL	TOTAL				2,164.50	

PL 3

146	p192	PL 3x16x56	56	S355JR	0	3.1	
146	p193	PL 3x32x56	56	S355JR	0	6.2	
27	p211	PL 3x21x56	56	S355JR	0	0.7	
27	p212	PL 3x27x56	56	S355JR	0	1	
15	p223	PL 3x11x56	56	S355JR	0	0.2	
15	p224	PL 3x37x56	56	S355JR	0	0.7	
376	TOTAL	TOTAL				11.9	

PL 6

132	p194	PL 6x46.2x183	183	S355JR	0.4	51.2	
72	p200	PL 6x90.3x420.8	421	S355JR	1.8	127.5	
43	p203	PL 6x100x185	185	S355JR	0.8	36.2	
16	p221	PL 6x75x200	200	S355JR	0.7	11.3	
15	p225	PL 6x100x200	200	S355JR	0.9	14.1	
22	p245	PL 6x100x200	200	S355JR	0.9	20.7	
8	p252	PL 6x90x419.09	419	S355JR	1.7	13.9	
6	p258	PL 6x260x419.09	419	S355JR	4	24.1	
8	p272	PL 6x100x200	200	S355JR	0.9	7.5	
60	p273	PL 6x50x100	100	S355JR	0.2	14.1	
3	p283	PL 6x72x178	178	S355JR	0.6	1.8	
3	p284	PL 6x73x178	178	S355JR	0.6	1.8	
2	p289	PL 6x260x419.09	419	S355JR	4	8	
1	p304	PL 6x100x187.11	187	S355JR	0.8	0.8	
1	p305	PL 6x100x192.52	193	S355JR	0.9	0.9	
1	p306	PL 6x100x196.75	197	S355JR	0.9	0.9	

Quantity	Mark	Description	Length (mm)	Grade	Part weight (kg)	Total weight (kg)	Remark
1	p307	PL 6x72x178	178	S355JR	0.6	0.6	
1	p308	PL 6x73x178	178	S355JR	0.6	0.6	
395	<u>TOTAL</u>	<u>TOTAL</u>				336	

PL 20

120	p196	PL 20x80x80	80	S355JR	1	120.6	
64	p201	PL 20x200x390	390	S355JR	12.2	783.7	
24	p214	PL 20x220x470	470	S355JR	16.2	389.6	
12	p233	PL 20x190x610.66	611	S355JR	18.2	218.6	
220	<u>TOTAL</u>	<u>TOTAL</u>				1,512.50	

PL 12

72	p199	PL 12x160x210	210	S355JR	3.2	227.9	
72	<u>TOTAL</u>	<u>TOTAL</u>				227.9	

PL 13

20	p217	PL 13x170x255	255	S355JR	4.4	88.5	
20	p218	PL 13x170x265.83	266	S355JR	4.6	92.2	
12	p229	PL 13x170x239.16	239	S355JR	4.1	49.8	
12	p230	PL 13x170x275.04	275	S355JR	4.8	57.3	
4	p268	PL 13x220x234	234	S355JR	5.3	21	
4	p269	PL 13x220x234	234	S355JR	5.3	21	
72	<u>TOTAL</u>	<u>TOTAL</u>				329.8	

PL 15

12	p231	PL 15x190x337.55	338	S355JR	7.6	90.6	
12	p232	PL 15x190x391.9	392	S355JR	8.8	105.2	
10	p242	PL 15x210.29x220	220	S355JR	5.4	54.5	
8	p250	PL 15x70x70	70	S355JR	0.6	4.6	
4	p270	PL 15x218x454.49	454	S355JR	11.7	46.7	
3	p282	PL 15x272.43x280	280	S355JR	9	26.9	
2	p287	PL 15x218x451.01	451	S355JR	11.6	23.2	

Quantity	Mark	Description	Length (mm)	Grade	Part weight (kg)	Total weight (kg)	Remark
1	p301	PL 15x218x455.65	456	S355JR	11.7	11.7	
1	p302	PL 15x218x455.71	456	S355JR	11.7	11.7	
1	p303	PL 15x273.32x280	280	S355JR	9	9	
54	<u>TOTAL</u>	<u>TOTAL</u>				384.1	
PL 25							
12	p234	PL 25x750x759.4	759	S355JR	111.8	1,341.30	
12	<u>TOTAL</u>	<u>TOTAL</u>				1,341.30	
PL 4							
10	p243	PL 4x160x4100	4,100	S235J2	20.6	206	
10	<u>TOTAL</u>	<u>TOTAL</u>				206	
PL 16							
8	p251	PL 16x220x230	230	S355JR	6.4	50.8	
8	<u>TOTAL</u>	<u>TOTAL</u>				50.8	
PL 14							
4	p257	PL 14x225x250	250	S355JR	6.2	24.7	
7	p263	PL 14x250x300	300	S355JR	8.2	57.7	
11	<u>TOTAL</u>	<u>TOTAL</u>				82.4	
Bolts							
256		Hexagon nut EN 14399-4 M22 - 10 HV		10	0.1	26.6	
512		washer EN 14399-6 - 22		300 HV	0	12.4	
256		Hexagon bolt EN 14399-4 22 x 75 - 10.9 HV	75	10.9	0.3	84.5	
44		Hexagon bolt EN 14399-4 20 x 65 - 10.9 HV	65	10.9	0.2	10.2	
976		washer EN 14399-6 - 20		300 HV	0	19.1	
488		Hexagon nut EN 14399-4 M20 - 10 HV		10	0.1	36.1	
192		Hexagon bolt EN 14399-4 24 x 75 - 10.9 HV	75	10.9	0.4	80.6	
384		washer EN 14399-6 - 24		300 HV	0	11.8	
192		Hexagon nut EN 14399-4 M24 - 10 HV		10	0.2	29.8	
829		Hexagon nut EN 14399-4 M16 - 10 HV		10	0	40.5	

Quantity	Mark	Description	Length (mm)	Grade	Part weight (kg)	Total weight (kg)	Remark
1660		washer EN 14399-6 - 16		300 HV	0	24.2	
348		Hexagon bolt EN 14399-4 16 x 45 - 10.9 HV	45	10.9	0.1	39.3	
16		Hexagon bolt EN 14399-4 16 x 75 - 10.9 HV	75	10.9	0.2	2.5	
40		Hexagon bolt EN 14399-4 20 x 45 - 10.9 HV	45	10.9	0.2	7.2	
120		Hexagon bolt ISO 4016 - M10 x 30 - 4.6	30	4.6	0	2.6	
120		Hexagon nut EN ISO 4034 - M10 - 5		5	0	1.3	
120		I-washer DIN 435 - 11		5.6	0	1.1	
434		Hexagon bolt EN 14399-4 16 x 50 - 10.9 HV	50	10.9	0.1	52.5	
372		Hexagon bolt EN 14399-4 20 x 50 - 10.9 HV	50	10.9	0.2	72.2	
14		Hexagon bolt EN 14399-4 16 x 70 - 10.9 HV	70	10.9	0.2	2.1	
7		Hexagon bolt EN 14399-4 16 x 40 - 10.9 HV	40	10.9	0.1	0.7	
32		Hexagon bolt EN 14399-4 20 x 60 - 10.9 HV	60	10.9	0.2	7	
10		Hexagon bolt EN 14399-4 16 x 130 - 10.9 HV	130	10.9	0.2	2.5	
1		Hexagon nut EN 14399-3 M16 - 10 HR		10	0	0	
1		Hexagon bolt EN 14399-3 16 x 45 - 10.9 HR	45	10.9	0.1	0.1	
7424	TOTAL	TOTAL				567	
TOTAL QUANTITY			11240				
TOTAL WEIGHT			51,251.50	kg			

Company S.C. BUSINESS ANALYSIS & STRATEGY CONSULTING S.R.L.									
Client:		MUNICIPIUL TARGUL JIU			Pr. Nr:		499 /10.08.2023		
Project:		Terminal multimodal si baza Park&Ride			Extras laminate asamblaje peron I				
Detailer:		Ing. Iordan Relu			Date:		12-Nov-23		
Quantity	Mark	Description	Length (mm)	Coating Grade	Part weight (kg)	Total weight (kg)	Part surface (m²)	Total surface (m²)	
6	A1	RD30	12,100						
3	p2	RD30	853	S355JR	4.7	85.2	0.08	0.08	1.45
12	p17	PL 5x30x100	100	S355JR	0.1	6.7	0.01	0.01	0.42
3	p19	PL 10x100x100	100	S355JR	0.8	14.1	0.02	0.02	0.43
TOTAL						106			2.3
1	A2	RD30	12,255						
6	p2	RD30	853	S355JR	4.7	28.4	0.08	0.08	0.48
24	p17	PL 5x30x100	100	S355JR	0.1	2.2	0.01	0.01	0.14
6	p19	PL 10x100x100	100	S355JR	0.8	4.7	0.02	0.02	0.14
TOTAL						35.3			0.77
1	A3	RHS50x3	1,750						
2	p6	RHS50x3	1,750	S355J2	7.4	14.9	0.33	0.33	0.66
3	p1	RHS50x3	710	S355J2	3	9.1	0.13	0.13	0.4
2	p3	RHS50x3	810	S355J2	3.4	6.9	0.15	0.15	0.31
3	-	M12x120	120	10.9	0	0.1			
TOTAL						30.9			1.38
1	A4	RHS50x3	1,750						
2	p6	RHS50x3	1,750	S355J2	7.4	14.9	0.33	0.33	0.66
2	p1	RHS50x3	710	S355J2	3	6	0.13	0.13	0.27
2	p3	RHS50x3	810	S355J2	3.4	6.9	0.15	0.15	0.31
1	p16	RHS50x3	650	S355J2	2.8	2.8	0.12	0.12	0.12
3	-	M12x120	120	10.9	0	0.1			
TOTAL						30.7			1.37

Quantity	Mark	Description	Length (mm)	Coating Grade	Part weight (kg)	Total weight (kg)	Part surface (m²)	Total surface (m²)
26	A5	PL 15x60x60	60					
1	p18	PL 15x60x60	60	S355JR	0.4	11	0.01	0.28
					TOTAL	11		0.28
1	G1	HEA220	1,535					
1	p9	HEA220	1,502	S355J2	75.9	75.9	1.89	1.89
1	p25	PL 8x157x190	190	S355JR	1.9	1.9	0.06	0.06
1	p28	PL 10x220x275	275	S355JR	4.7	4.7	0.13	0.13
1	p29	PL 10x85x220	220	S355JR	1.5	1.5	0.04	0.04
1	p30	PL 12x220x811.02	811	S355JR	16.8	16.8	0.38	0.38
1	p31	PL 15x230x335.11	335	S355JR	9.1	9.1	0.17	0.17
1	p33	PL 8x103.71x787.91	788	S355JR	2.7	2.7	0.1	0.1
1	p34	PL 10x170x200	200	S355JR	2.7	2.7	0.08	0.08
1	p36	PL 8x106.5x188	188	S355JR	1.2	1.2	0.04	0.04
6	p37	M20x60	60	10.9	0.3	2		
					TOTAL	118.4		2.9
1	G2	HEA220	1,535					
1	p9	HEA220	1,502	S355J2	75.9	75.9	1.89	1.89
2	p25	PL 8x157x190	190	S355JR	1.9	3.7	0.06	0.13
1	p28	PL 10x220x275	275	S355JR	4.7	4.7	0.13	0.13
1	p29	PL 10x85x220	220	S355JR	1.5	1.5	0.04	0.04
1	p30	PL 12x220x811.02	811	S355JR	16.8	16.8	0.38	0.38
1	p31	PL 15x230x335.11	335	S355JR	9.1	9.1	0.17	0.17
1	p33	PL 8x103.71x787.91	788	S355JR	2.7	2.7	0.1	0.1
6	p37	M20x60	60	10.9	0.3	2		
					TOTAL	116.4		2.85

Quantity	Mark	Description	Length (mm)	Coating Grade	Part weight (kg)	Total weight (kg)	Part surface (m ²)	Total surface (m ²)
1	G3	HEA220	1,535					
1	p9	HEA220	1,502	S355J2	75.9	75.9	1.89	1.89
1	p25	PL 8x157x190	190	S355JR	1.9	1.9	0.06	0.06
1	p28	PL 10x220x275	275	S355JR	4.7	4.7	0.13	0.13
1	p29	PL 10x85x220	220	S355JR	1.5	1.5	0.04	0.04
1	p30	PL 12x220x811.02	811	S355JR	16.8	16.8	0.38	0.38
1	p31	PL 15x230x335.11	335	S355JR	9.1	9.1	0.17	0.17
1	p33	PL 8x103.71x787.91	788	S355JR	2.7	2.7	0.1	0.1
1	p34	PL 10x170x200	200	S355JR	2.7	2.7	0.08	0.08
1	p36	PL 8x106.5x188	188	S355JR	1.2	1.2	0.04	0.04
6	p37	M20x60	60	10.9	0.3	2		
					TOTAL	118.4		2.9
2	P1	IPE200	2,780					
1	p11	IPE200	2,766	S355J2	62	123.9	2.12	4.25
1	p35	PL 14x170x200	200	S355JR	3.7	7.5	0.08	0.16
4	p40	M20x55	55	10.9	0.3	2.6		
					TOTAL	134		4.41
2	P2	IPE200	5,773					
1	p10	IPE200	5,773	S355J2	129.3	258.6	4.43	8.87
4	p39	M16x40	40	10.9	0.2	1.5		
					TOTAL	260.1		8.87

Quantity	Mark	Description	Length (mm)	Coating Grade	Part weight (kg)	Total weight (kg)	Part surface (m ²)	Total surface (m ²)
1	P3	L100X10	8,900					
1	p12	L100X10	8,880	S355J2	134.1	134.1	3.46	3.46
7	p1	RHS50x3	710	S355J2	3	21.1	0.13	0.94
2	p3	RHS50x3	810	S355J2	3.4	6.9	0.15	0.31
2	p4	RHS50x3	6,000	S355J2	25.5	51	1.14	2.28
4	p22	PL 8x60x75	75	S355JR	0.3	1.1	0.01	0.04
4	p37	M20x60	60	10.9	0.3	1.3		
3	-	M12x120	120	10.9	0	0.1		
					TOTAL	215.7		7.04

1	P4	L100X10	8,900					
1	p13	L100X10	8,880	S355J2	134.1	134.1	3.46	3.46
7	p1	RHS50x3	710	S355J2	3	21.1	0.13	0.94
2	p3	RHS50x3	810	S355J2	3.4	6.9	0.15	0.31
2	p4	RHS50x3	6,000	S355J2	25.5	51	1.14	2.28
2	p24	PL 8x60x340	340	S355JR	1.3	2.6	0.05	0.09
4	p38	M20x60	60	10.9	0.3	1.3		
3	-	M12x120	120	10.9	0	0.1		
					TOTAL	217.1		7.09

1	P5	L100X10	8,900					
1	p14	L100X10	8,880	S355J2	134.1	134.1	3.46	3.46
7	p1	RHS50x3	710	S355J2	3	21.1	0.13	0.94
2	p3	RHS50x3	810	S355J2	3.4	6.9	0.15	0.31
2	p4	RHS50x3	6,000	S355J2	25.5	51	1.14	2.28
2	p24	PL 8x60x340	340	S355JR	1.3	2.6	0.05	0.09
4	p38	M20x60	60	10.9	0.3	1.3		
3	-	M12x110	110	10.9	0	0.1		
					TOTAL	217.1		7.09

Quantity	Mark	Description	Length (mm)	Coating Grade	Part weight (kg)	Total weight (kg)	Part surface (m²)	Total surface (m²)
1	P6	L100X10	8,900					
1	p15	L100X10	8,880	S355J2	134.1	134.1	3.46	3.46
7	p1	RHS50x3	710	S355J2	3	21.1	0.13	0.94
2	p3	RHS50x3	810	S355J2	3.4	6.9	0.15	0.31
2	p4	RHS50x3	6,000	S355J2	25.5	51	1.14	2.28
4	p22	PL 8x60x75	75	S355JR	0.3	1.1	0.01	0.04
4	p37	M20x60	60	10.9	0.3	1.3		
3	-	M12x110	110	10.9	0	0.1		
					TOTAL	215.7		7.04

1	P7	RHS50x3	2,950					
2	p5	RHS50x3	2,950	S355J2	12.5	25.1	0.56	1.12
3	p1	RHS50x3	710	S355J2	3	9.1	0.13	0.4
2	p3	RHS50x3	810	S355J2	3.4	6.9	0.15	0.31
1	p24	PL 8x60x340	340	S355JR	1.3	1.3	0.05	0.05
2	p38	M20x60	60	10.9	0.3	0.7		
3	-	M12x120	120	10.9	0	0.1		
					TOTAL	43.1		1.88

1	P8	RHS50x3	2,950					
2	p5	RHS50x3	2,950	S355J2	12.5	25.1	0.56	1.12
3	p1	RHS50x3	710	S355J2	3	9.1	0.13	0.4
2	p3	RHS50x3	810	S355J2	3.4	6.9	0.15	0.31
2	p22	PL 8x60x75	75	S355JR	0.3	0.6	0.01	0.02
2	p37	M20x60	60	10.9	0.3	0.7		
6	-	M12x120	120	10.9	0	0.2		
					TOTAL	42.5		1.86

List produced by AUTODESK Advance Steel

Quantity	Mark	Description	Length (mm)	Coating Grade	Part weight (kg)	Total weight (kg)	Part surface (m²)	Total surface (m²)
1	P9	RHS50x3	2,950					
2	p5	RHS50x3	2,950	S355J2	12.5	25.1	0.56	1.12
3	p1	RHS50x3	710	S355J2	3	9.1	0.13	0.4
2	p3	RHS50x3	810	S355J2	3.4	6.9	0.15	0.31
2	p22	PL 8x60x75	75	S355JR	0.3	0.6	0.01	0.02
2	p37	M20x60	60	10.9	0.3	0.7		
3	-	M12x120	120	10.9	0	0.1		
					TOTAL	42.4		1.86


1	P10	RHS50x3	2,950					
2	p5	RHS50x3	2,950	S355J2	12.5	25.1	0.56	1.12
3	p1	RHS50x3	710	S355J2	3	9.1	0.13	0.4
2	p3	RHS50x3	810	S355J2	3.4	6.9	0.15	0.31
1	p24	PL 8x60x340	340	S355JR	1.3	1.3	0.05	0.05
2	p38	M20x60	60	10.9	0.3	0.7		
					TOTAL	43		1.88

3	S1	HEA220	3,365					
1	p8	HEA220	3,175	S355J2	160.3	481	4	12
1	p7	HEA100	150	S355JR	2.5	7.5	0.08	0.25
8	p20	PL 8x80x100	100	S355JR	0.4	9.9	0.02	0.38
4	p21	PL 8x100x186	186	S355JR	1.1	13.7	0.04	0.49
2	p23	PL 10x80x100	100	S355JR	0.5	3.1	0.02	0.1
1	p26	PL 10x115x220	220	S355JR	2	6	0.06	0.17
1	p27	PL 10x200.11x220	220	S355JR	3.5	10.4	0.1	0.29
1	p32	PL 30x410x420	420	S355JR	40.6	121.7	0.39	1.18
					TOTAL	653.2		14.86

List produced by AUTODESK Advance Steel

Quantity	Mark	Description	Length (mm)	Coating Grade	Part weight (kg)	Total weight (kg)	Part surface (m²)	Total surface (m²)
			53					
TOTAL QUANTITY			53					
TOTAL WEIGHT			2,650.80					
TOTAL PAINT AREA			78.62					

List produced by AUTODESK Advance Steel



AUTODESK®

ADVANCE STEEL

Company

S.C. BUSINESS ANALYSIS & STRATEGY CONSULTING S.R.L.

Client:

MUNICIPIUL TARGUL JIU

Pr. Nr:

499 /10.08.2023

Proiect:

Terminal multimodal si baza Park&Ride

Extras laminate pe sectiuni peron I

Quantity	Mark	Description	Ing. Iordan Relu		Date:		Remark
			Grade	Part weight (kg)	Total weight (kg)	12-Nov-23	
RHS50x3							
45	p1	RHS50x3	710	S355J2	3	135.8	
20	p3	RHS50x3	810	S355J2	3.4	68.8	
8	p4	RHS50x3	6,000	S355J2	25.5	204	
8	p5	RHS50x3	2,950	S355J2	12.5	100.3	
4	p6	RHS50x3	1,750	S355J2	7.4	29.7	
1	p16	RHS50x3	650	S355J2	2.8	2.8	
86	TOTAL		127,400			541.4	
RD30							
24	p2	RD30	853	S355JR	4.7	113.6	
24	TOTAL		20,472			113.6	
HEA100							
3	p7	HEA100	150	S355JR	2.5	7.5	
3	TOTAL		450			7.5	
HEA220							
3	p8	HEA220	3,175	S355J2	160.3	481	
3	p9	HEA220	1,502	S355J2	75.9	227.6	
6	TOTAL		14,032			708.6	
IPE200							
2	p10	IPE200	5,773	S355J2	129.3	258.6	
2	p11	IPE200	2,766	S355J2	62	123.9	
4	TOTAL		17,078			382.5	

Quantity	Mark	Description	Length (mm)	Grade	Part weight (kg)	Total weight (kg)	Remark
1	p12	L100X10	8.880	S355J2	134.1	134.1	
1	p13	L100X10	8.880	S355J2	134.1	134.1	
1	p14	L100X10	8.880	S355J2	134.1	134.1	
1	p15	L100X10	8.880	S355J2	134.1	134.1	
4	TOTAL	TOTAL	35,520			536.4	

PL 5

96	p17	PL 5x30x100	100	S355JR	0.1	8.9	
96	TOTAL	TOTAL				8.9	

PL 15

26	p18	PL 15x60x60	60	S355JR	0.4	11	
3	p31	PL 15x230x335.11	335	S355JR	9.1	27.2	
29	TOTAL	TOTAL				38.2	

PL 10

24	p19	PL 10x100x100	100	S355JR	0.8	18.8	
6	p23	PL 10x80x100	100	S355JR	0.5	3.1	
3	p26	PL 10x115x220	220	S355JR	2	6	
3	p27	PL 10x200.11x220	220	S355JR	3.5	10.4	
3	p28	PL 10x220x275	275	S355JR	4.7	14.2	
3	p29	PL 10x85x220	220	S355JR	1.5	4.4	
2	p34	PL 10x170x200	200	S355JR	2.7	5.3	
44	TOTAL	TOTAL				62.2	

PL 8

24	p20	PL 8x80x100	100	S355JR	0.4	9.9	
12	p21	PL 8x100x186	186	S355JR	1.1	13.7	
12	p22	PL 8x60x75	75	S355JR	0.3	3.4	
6	p24	PL 8x60x340	340	S355JR	1.3	7.7	
4	p25	PL 8x157x190	190	S355JR	1.9	7.5	
3	p33	PL 8x103.71x787.91	788	S355JR	2.7	8.1	


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Quantity	Mark	Description	Length (mm)	Grade	Part weight (kg)	Total weight (kg)	Remark
2	p36	PL 8x106.5x188	188	S355JR	1.2	2.5	
63	<u>TOTAL</u>	<u>TOTAL</u>				52.7	
PL 12							
3	p30	PL 12x220x811.02	811	S355JR	16.8	50.4	
3	<u>TOTAL</u>	<u>TOTAL</u>				50.4	
PL 30							
3	p32	PL 30x410x420	420	S355JR	40.6	121.7	
3	<u>TOTAL</u>	<u>TOTAL</u>				121.7	
PL 14							
2	p35	PL 14x170x200	200	S355JR	3.7	7.5	
2	<u>TOTAL</u>	<u>TOTAL</u>				7.5	
Bolts							
24		M12x120	120	10.9	0	0	
60		washer EN 14399-6 - 12		300 HV	0	0.4	
30		Hexagon nut EN 14399-4 M12 - 10 HV		10	0	0.7	
50		Hexagon nut EN 14399-4 M20 - 10 HV		10	0.1	3.7	
100		washer EN 14399-6 - 20		300 HV	0	2	
42		Hexagon bolt EN 14399-4 20 x 60	60	10.9	0.2	9.2	
8		Hexagon bolt EN 14399-4 20 x 55	55	10.9	0.2	1.7	
8		Hexagon bolt EN 14399-4 16 x 40	40	10.9	0.1	0.8	
16		washer EN 14399-6 - 16		300 HV	0	0.2	
8		Hexagon nut EN 14399-4 M16 - 10 HV		10	0	0.4	
6		M12x110	110	10.9	0	0	
352	<u>TOTAL</u>	<u>TOTAL</u>				19.1	
		TOTAL QUANTITY	719				
		TOTAL WEIGHT	2,650.80	kg			



AUTODESK®

ADVANCE STEEL

Company	S.C. BUSINESS ANALYSIS & STRATEGY CONSULTING S.R.L.				
Client:	MUNICIPIUL TARGUL JIU		Pr. Nr:		499 /10.08.2023
Project:	Terminal multimodal si baza Park&Ride				
	Extras organe de asamblare terminal transport				
Detailer:	Length (mm)	Grade	Standard	Data:	
				Ing. Iordan Relu	12-Nov-23
				Part weight (kg)	Total weight (kg)
192	M24x75	10.9	EN 14399-4	0.6	122.2
256	M22x75	10.9	EN 14399-4	0.5	123.5
44	M20x65	10.9	EN 14399-4	0.3	15.2
32	M20x60	10.9	EN 14399-4	0.3	10.6
372	M20x50	10.9	EN 14399-4	0.3	114.2
30	M20x45	10.9	EN 14399-4	0.3	8.8
10	M20x45	10.9	EN 14399-4	0.3	2.9
10	M16x130	10.9	EN 14399-4	0.3	3.2
16	M16x75	10.9	EN 14399-4	0.2	3.8
14	M16x70	10.9	EN 14399-4	0.2	3.2
434	M16x50	10.9	EN 14399-4	0.2	86.4
348	M16x45	10.9	EN 14399-4	0.2	66.5
1	M16x45	10.9	EN 14399-3	0.1	0.1
3	M16x40	10.9	EN 14399-4	0.2	0.5
4	M16x40	10.9	EN 14399-4	0.2	0.7
64	M10x30	4.6	EN ISO 4016	0	2.7
56	M10x30	4.6	EN ISO 4016	0	2.4
TOTAL QUANTITY					
TOTAL WEIGHT		kg			
		1886			
		567			




Company: S.C. BUSINESS ANALYSIS & STRATEGY CONSULTING S.R.L.

Client:		MUNICIPIUL TARGUL JIU		Pr. Nr:	499 /10.08.2023
Project:		Terminal multimodal si baza Park&Ride-		Extras organe de asamblare peron I	
Detailer:		Ing. Iordan Relu		Data:	
				Total weight	12-Nov-23
Quantity	Description	Grade	Standard	Part weight (kg)	Remark
42	Hexagon bolt EN 14399-4 20 x 60 - 10.9	10.9	EN 14399-4	0.2	9.2
8	Hexagon bolt EN 14399-4 20 x 55 - 10.9	10.9	EN 14399-4	0.2	1.7
50	Hexagon nut EN 14399-4 M20 - 10 HV	10	EN 14399-4	0.1	3.7
100	washer EN 14399-6 - 20	300 HV	EN 14399-6	0	2
8	Hexagon bolt EN 14399-4 16 x 40 - 10.9	10.9	EN 14399-4	0.1	0.8
16	washer EN 14399-6 - 16	300 HV	EN 14399-6	0	0.2
8	Hexagon nut EN 14399-4 M16 - 10 HV	10	EN 14399-4	0	0.4
24	M12x120	10.9	EN 14399-4	0	0
6	M12x110	10.9	EN 14399-4	0	0
30	Hexagon nut EN 14399-4 M12 - 10 HV	10	EN 14399-4	0	0.7
60	washer EN 14399-6 - 12	300 HV	EN 14399-6	0	0.4
TOTAL QUANTITY					
TOTAL WEIGHT					

kg

List produced by AUTODESK Advance Steel



AUTODESK®

ADVANCE STEEL

Company

S.C. BUSINESS ANALYSIS & STRATEGY CONSULTING S.R.L.

Client:

MUNICIPIUL TARGUL JIU

Pr. Nr:

499 /10.08.2023

Proiect:

Terminal multimodal si baza Park&Ride

Extras laminate asamblaje terminal transport

Detailer:

Ing. Iordan Relu

Date:

12-Nov-23

Quantity	Mark	Description	Length (mm)	Coating Grade	Part weight (kg)	Total weight (kg)	Part surface (m²)	Total surface (m²)
4	A1	RHS60x3	0					
1	p8	RHS60x3	834	S355JR	4.3	17.3	0.19	0.77
1	p192	PL 3x16x56	56	S355JR	0	0.1	0	0.01
1	p193	PL 3x32x56	56	S355JR	0	0.2	0	0.02
1	p204	PL 8x110x255	255	S355JR	1.8	7	0.06	0.25
1	p209	PL 8x100x290	290	S355JR	1.8	7.2	0.06	0.25
1	p211	PL 3x21x56	56	S355JR	0	0.1	0	0.01
1	p212	PL 3x27x56	56	S355JR	0	0.1	0	0.01
TOTAL						32.1		1.32
10	A1	RHS60x3	1,179					
1	p8	RHS60x3	834	S355JR	4.3	43.3	0.19	1.92
1	p192	PL 3x16x56	56	S355JR	0	0.2	0	0.02
1	p193	PL 3x32x56	56	S355JR	0	0.4	0	0.04
1	p204	PL 8x110x255	255	S355JR	1.8	17.6	0.06	0.62
1	p209	PL 8x100x290	290	S355JR	1.8	18	0.06	0.63
1	p211	PL 3x21x56	56	S355JR	0	0.3	0	0.03
1	p212	PL 3x27x56	56	S355JR	0	0.4	0	0.04
4	p320	M20x50	50	10.9	0.3	12.3		
TOTAL						92.4		3.3

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Quantity	Mark	Description	Length (mm)	Coating Grade	Part weight (kg)	Total weight (kg)	Part surface (m²)	Total surface (m²)
12	A2	RD30	863					
10	p1	RD30	853	S355JR	4.7	568	0.08	9.65
40	p190	PL 5x30x100	100	S355JR	0.1	44.6	0.01	2.82
10	p195	PL 10x100x100	100	S355JR	0.8	94.2	0.02	2.88
		TOTAL				706.7		15.35
11	A3	RHS100x50x5	2,140					
1	p7	RHS100x50x5	2,130	S235J2	22.4	246	0.6	6.63
1	p240	PL 10x200x200	200	S355JR	3.1	34.5	0.09	0.97
		TOTAL				280.6		7.6
10	A4	RHS60x3	1,712					
1	p14	RHS60x3	1,402	S355JR	7.3	72.8	0.32	3.22
2	p192	PL 3x16x56	56	S355JR	0	0.4	0	0.04
2	p193	PL 3x32x56	56	S355JR	0	0.8	0	0.08
2	p202	PL 8x100x255	255	S355JR	1.6	31.5	0.06	1.11
2	p320	M20x50	50	10.9	0.3	6.1		4.47
		TOTAL				111.7		
8	A5	RHS60x3	1,689					
1	p19	RHS60x3	1,379	S355JR	7.2	57.3	0.32	2.54
2	p192	PL 3x16x56	56	S355JR	0	0.3	0	0.04
2	p193	PL 3x32x56	56	S355JR	0	0.7	0	0.07
2	p202	PL 8x100x255	255	S355JR	1.6	25.2	0.06	0.89
2	p320	M20x50	50	10.9	0.3	4.9		
		TOTAL				88.4		3.53

Quantity	Mark	Description	Length (mm)	Coating Grade	Part weight (kg)	Total weight (kg)	Part surface (m²)	Total surface (m²)
6	A6	RHS60x3	1,706					
1	p18	RHS60x3	1,386	S355JR	7.2	43.1	0.32	1.91
2	p192	PL 3x16x56	56	S355JR	0	0.3	0	0.03
2	p193	PL 3x32x56	56	S355JR	0	0.5	0	0.05
1	p202	PL 8x100x255	255	S355JR	1.6	9.5	0.06	0.33
1	p207	PL 8x100x265	265	S355JR	1.7	10	0.06	0.35
4	p320	M20x50	50	10.9	0.3	7.4		
		TOTAL				70.7		2.68
2	A6	RHS60x3	0					
1	p18	RHS60x3	1,386	S355JR	7.2	14.4	0.32	0.64
2	p192	PL 3x16x56	56	S355JR	0	0.1	0	0.01
2	p193	PL 3x32x56	56	S355JR	0	0.2	0	0.02
1	p202	PL 8x100x255	255	S355JR	1.6	3.2	0.06	0.11
1	p207	PL 8x100x265	265	S355JR	1.7	3.3	0.06	0.12
		TOTAL				21.1		0.89
1	A7	RHS150x100x4	4,271					
1	p42	RHS150x100x4	4,256	S235J2	63.4	63.4	2.07	2.07
1	p236	PL 8x100x100	100	S355JR	0.6	0.6	0.02	0.02
1	p263	PL 14x250x300	300	S355JR	8.2	8.2	0.17	0.17
		TOTAL				72.3		2.26

Quantity	Mark	Description	Length (mm)	Coating Grade	Part weight (kg)	Total weight (kg)	Part surface (m²)	Total surface (m²)
6	A8	RHS60x3	1,179					
1	p24	RHS60x3	834	S355JR	4.3	26	0.19	1.15
1	p192	PL 3x16x56	56	S355JR	0	0.1	0	0.01
1	p193	PL 3x32x56	56	S355JR	0	0.3	0	0.02
1	p204	PL 8x110x255	255	S355JR	1.8	10.6	0.06	0.37
1	p209	PL 8x100x290	290	S355JR	1.8	10.8	0.06	0.38
1	p223	PL 3x11x56	56	S355JR	0	0.1	0	0.01
1	p224	PL 3x37x56	56	S355JR	0	0.3	0	0.03
2	p320	M20x50	50	10.9	0.3	3.7		1.98
					TOTAL	51.8		

2	A9	RHS60x3	0					
1	p26	RHS60x3	1,333	S355JR	6.9	13.8	0.31	0.61
2	p192	PL 3x16x56	56	S355JR	0	0.1	0	0.01
2	p193	PL 3x32x56	56	S355JR	0	0.2	0	0.02
1	p202	PL 8x100x255	255	S355JR	1.6	3.2	0.06	0.11
1	p207	PL 8x100x265	265	S355JR	1.7	3.3	0.06	0.12
					TOTAL	20.6		0.87

3	A9	RHS60x3	1,653					
1	p26	RHS60x3	1,333	S355JR	6.9	20.8	0.31	0.92
2	p192	PL 3x16x56	56	S355JR	0	0.1	0	0.01
2	p193	PL 3x32x56	56	S355JR	0	0.3	0	0.02
1	p202	PL 8x100x255	255	S355JR	1.6	4.7	0.06	0.17
1	p207	PL 8x100x265	265	S355JR	1.7	5	0.06	0.18
4	p320	M20x50	50	10.9	0.3	3.7		
					TOTAL	34.5		1.3

Quantity	Mark	Description	Length (mm)	Coating Grade	Part weight (kg)	Total weight (kg)	Part surface (m²)	Total surface (m²)
5	A10	RHS60x3	1,227					
1	p27	RHS60x3	882	S355JR	4.6	22.9	0.2	1.01
1	p192	PL 3x16x56	56	S355JR	0	0.1	0	0.01
1	p193	PL 3x32x56	56	S355JR	0	0.2	0	0.02
1	p204	PL 8x110x255	255	S355JR	1.8	8.8	0.06	0.31
1	p209	PL 8x100x290	290	S355JR	1.8	9	0.06	0.32
1	p211	PL 3x21x56	56	S355JR	0	0.1	0	0.01
1	p212	PL 3x27x56	56	S355JR	0	0.2	0	0.02
2	p320	M20x50	50	10.9	0.3	3.1		1.7
		TOTAL			44.4			
1	A11	L100X10	5,830					
1	p21	L100X10	5,830	S235J2	88	88	2.27	2.27
6	p3	RHS60x30x3.2	584	S235J2	2.4	14.6	0.1	0.58
1	p41	RHS150x100x4	5,699	S235J2	84.9	84.9	2.77	2.77
1	p279	PL 10x110x150	150	S355JR	1.3	1.3	0.04	0.04
2	p321	M16x45	45	10.9	0.2	0.4		
		TOTAL			189.2			5.66
2	A12	L 80x8	659					
1	p30	L 80x8	659	S355JR	6.4	12.7	0	0
1	p321	M16x45	45	10.9	0.2	0.4		
		TOTAL			13.1			0
2	A12	L 80x8	0					
1	p30	L 80x8	659	S355JR	6.4	12.7	0	0
2	p321	M16x45	45	10.9	0.2	0.8		
		TOTAL			13.5			0