


REV	DATE	MODIFICA	DRAWER
0	09/02/2009	FIRST ISSUE	TECNO D
01	19/02/2009	GENERAL REVISION; DELETED POS.69-70-71	TECNO D
02	05/03/2009	AGG. POS. 101, MOD. QANT POS.80, 81, 82	LS
03	06/04/2009	REVISION POS.6,10,12 ADDITION POS.102,103,104,105	LS



Material List of Drw: 12834 - 2600

Title: STAIRS ASSEMBLY

Ref. Drw 12834 - 0000 Ref. Pos: 0

Item\Fam: 0000 Groups for crane: 1

Material Handling Engineering			Data: 03-lug-09		Project: 12834		Job: 18033		Mat List of Drw: 2600		Ref. Drw: 0 - 12834		Ref. Pos: 0		Item\Fam : 0000		Groups for crane: 1		
			Customer: PIRAEUS PORT AUTHORITY - RMG 40t															Title: STAIRS ASSEMBLY	
POS	DRW N°	ELECTRICAL CODE	DESCRIPTION	MATERIAL	NOTE	FUNCTION	DIMENSIONS	Qty in Drw	Weight in Drw	Qty for 1 Crane	Qty for Job	RAM	ORD	SUPPLIED BY	MADE BY	ITEM	FAM	REV	
1			PLATFORM	S235JR		GALVANIZED		1	103	1	8					01	83		
2			PLATFORM	S235JR		GALVANIZED		1	135	1	8					01	83		
3			PLATFORM	S235JR		GALVANIZED		1	102	1	8					01	83		
4			PLATFORM	S235JR		GALVANIZED		8	544	8	64					01	83		
5			PLATFORM	S235JR		GALVANIZED		1	380	1	8					01	83	01	
6			PLATFORM	S235JR		GALVANIZED		1	128	1	8					01	83	03	
7			STAIRS	S235JR		GALVANIZED		1	70	1	8					01	83		
8			STAIRS	S235JR		GALVANIZED		10	400	10	80					01	83		
9			STAIRS	S235JR		GALVANIZED		1	30	1	8					01	83		
10			HANDRAIL	S235JR		GALVANIZED		1	13	1	8					01	83	03	
11			HANDRAIL	S235JR		GALVANIZED		1	20	1	8					01	83		
12			HANDRAIL	S235JR		GALVANIZED		1	58	1	8					01	83	03	
13			HANDRAIL	S235JR		GALVANIZED		1	38	1	8					01	83		
14			HANDRAIL	S235JR		GALVANIZED		1	37	1	8					01	83	01	
15			HANDRAIL	S235JR		GALVANIZED		1	57	1	8					01	83		
16			HANDRAIL	S235JR		GALVANIZED		1	47	1	8					01	83		
17			HANDRAIL	S235JR		GALVANIZED		1	41	1	8					01	83		
18			STAIRS	S235JR		GALVANIZED		1	70	1	8					01	83		
19			HANDRAIL	S235JR		GALVANIZED		10	380	10	80					01	83		
20			HANDRAIL	S235JR		GALVANIZED		9	270	9	72					01	83		
21			HANDRAIL	S235JR		GALVANIZED		10	250	10	80					01	83		

Material Handling Engineering

Data: 03-lug-09 Project: 12834 Job: 18033 Mat List of Drw: 2600 Ref. Drw: 0 - 12834 Ref. Pos: 0 Item\Fam : 0000 Groups for crane: 1
Customer: PIRAEUS PORT AUTHORITY - RMG 40t Title: STAIRS ASSEMBLY

POS	DRW N°	ELECTRICAL CODE	DESCRIPTION	MATERIAL	NOTE FUNCTION	DIMENSIONS	Qty in Drw	Weight in Drw	Qty for 1 Crane	Qty for Job	RAM	ORD	SUPPLIED BY	MADE BY	ITEM	FAM	REV
22			HANDRAIL	S235JR	GALVANIZED		1	26	1	8					01	83	
23			HANDRAIL	S235JR	GALVANIZED		1	45	1	8					01	83	
24			HANDRAIL	S235JR	GALVANIZED		1	47	1	8					01	83	
25			HANDRAIL	S235JR	GALVANIZED		2	98	2	16					01	83	
26			HANDRAIL	S235JR	GALVANIZED		1	40	1	8					01	83	
27			HANDRAIL	S235JR	GALVANIZED		1	28	1	8					01	83	
28			HANDRAIL	S235JR	GALVANIZED		1	9	1	8					01	83	
29			GATE	S235JR	GALVANIZED		1	20	1	8					01	83	
30			HANDRAIL	S235JR	GALVANIZED		16	1120	16	128					01	83	01
31			HANDRAIL	S235JR	GALVANIZED		2	90	2	16					01	83	
32			HANDRAIL	S235JR	GALVANIZED		1	56	1	8					01	83	
33			HANDRAIL	S235JR	GALVANIZED		2	32	2	16					01	83	
34			HANDRAIL	S235JR	GALVANIZED		1	58	1	8					01	83	
35			HANDRAIL	S235JR	GALVANIZED		1	40	1	8					01	83	01
36			HANDRAIL	S235JR	GALVANIZED		1	36	1	8					01	83	01
37			HANDRAIL	S235JR	GALVANIZED		1	49	1	8					01	83	
38			GATE	S235JR	GALVANIZED		1	16	1	8					01	83	
39			HANDRAIL	S235JR	GALVANIZED		1	46	1	8					01	83	
40			HANDRAIL	S235JR	GALVANIZED		1	46	1	8					01	83	
41			HANDRAIL	S235JR	GALVANIZED		9	729	9	72					01	83	
42			HANDRAIL	S235JR	GALVANIZED		1	80	1	8					01	83	
43			LADDER	S235JR	GALVANIZED		1	90	1	8					01	83	
44			HANDRAIL	S235JR	GALVANIZED		1	37	1	8					01	83	01
45			PLATFORM	S235JR	GALVANIZED		1	68	1	8					01	83	

Material Handling Engineering

Data: 03-lug-09 Project: 12834 Job: 18033 Mat List of Drw: 2600 Ref. Drw: 0 - 12834 Ref. Pos: 0 Item\Fam : 0000 Groups for crane: 1
Customer: PIRAEUS PORT AUTHORITY - RMG 40t Title: STAIRS ASSEMBLY

POS	DRW N°	ELECTRICAL CODE	DESCRIPTION	MATERIAL	NOTE FUNCTION	DIMENSIONS	Qty in Drw	Weight in Drw	Qty for 1 Crane	Qty for Job	RAM	ORD	SUPPLIED BY	MADE BY	ITEM	FAM	REV
46			HANDRAIL	S235JR	GALVANIZED		1	13	1	8					01	83	
47			PLATFORM	S235JR	GALVANIZED		1	68	1	8					01	83	
48			BRACKET	S235JR	GALVANIZED		2	84	2	16					01	83	
49			BRACKET	S235JR	GALVANIZED		1	20	1	8					01	83	
50			BRACKET	S235JR	GALVANIZED		1	100	1	8					01	83	
51			BRACKET	S235JR	GALVANIZED		1	100	1	8					01	83	
52			BRACKET	S235JR	GALVANIZED		1	100	1	8					01	83	
53			BRACKET	S235JR	GALVANIZED		1	100	1	8					01	83	
54			BRACKET	S235JR	GALVANIZED		1	132	1	8					01	83	
55			BRACKET	S235JR	GALVANIZED		1	100	1	8					01	83	
56			BRACKET	S235JR	GALVANIZED		1	26	1	8					01	83	
57			BRACKET	S235JR	GALVANIZED		1	26	1	8					01	83	
58			BRACKET	S235JR	GALVANIZED		1	29	1	8					01	83	
59			BRACKET	S235JR	GALVANIZED		1	33	1	8					01	83	
60			HANDRAIL	S235JR	GALVANIZED		1	46	1	8					01	83	
61			BRACKET FOR ELECTRICAL CAB	S235JR	GALVANIZED		4	800	4	32					01	83	01
63			BRACKET FOR ELECTRICAL CAB.	S235JR	GALVANIZED		4	880	4	32					01	83	01
64			BRACKET	S235JR	GALVANIZED		1	25	1	8					01	83	
65			BRACKET	S235JR	GALVANIZED		2	124	2	16					01	83	
66			BRACKET	S235JR	GALVANIZED		1	117	1	8					01	83	
67			MAN ELEVATOR COLUMN	S235JR			1	3775	1	8					01	83	
68			GRATINGS	S235JR	GALVANIZED		1	1738	1	8					01	83	01
72			PLATFORM	S235JR	GALVANIZED		1	202	1	8					01	83	01
75	12834 - 2600		HEX SCREW	8.8	HOT DIP GALVANIZED	DIN 933 M16x45	56	5	56	448					01	83	

Material Handling Engineering

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Customer: PIRAEUS PORT AUTHORITY - RMG 40t Title: STAIRS ASSEMBLY

POS	DRW N°	ELECTRICAL CODE	DESCRIPTION	MATERIAL	NOTE FUNCTION	DIMENSIONS	Qty in Drw	Weight in Drw	Qty for 1 Crane	Qty for Job	RAM	ORD	SUPPLIED BY	MADE BY	ITEM	FAM	REV
76	12834 - 2600		NUT	8	HOT DIP GALVANIZED	DIN 934 M16	124	4	124	992					01	83	
77	12834 - 2600		SPRING LOCK WASHER	C70	HOT DIP GALVANIZED	DIN 127 A17	124	1	124	992					01	83	
78	12834 - 2600		HEX SCREW	8.8	HOT DIP GALVANIZED	DIN 931 M16x50	68	7	68	544					01	83	
79	12834 - 2600		WASHER FOR UNP	STEEL	HOT DIP GALVANIZED	DIN 434 DIA 18	68	2	68	544					01	83	
80	12834 - 2600		HEX SCREW	AISI 316		DIN 933 M12x35	1249	44	1249	9992					01	83	02
81	12834 - 2600		NUT	AISI 316		DIN 934 M12	1251	15	1251	10008					01	83	02
82	12834 - 2600		SPRING LOCK WASHER	AISI 316		DIN 127 A13	1251	5	1251	10008					01	83	02
83	12834 - 2600		HEX SCREW	8.8	HOT DIP GALVANIZED	DIN 933 M20x70	192	44	192	1536					01	83	
84	12834 - 2600		NUT	8	HOT DIP GALVANIZED	DIN 934 M20	452	29	452	3616					01	83	
85	12834 - 2600		SPRING LOCK WASHER	C70	HOT DIP GALVANIZED	DIN 127 A21	452	7	452	3616					01	83	
86	12834 - 2600		HEX SCREW	AISI 316		DIN 931 M12x45	2	1	2	16					01	83	
87	12834 - 2600		HEX SCREW	AISI 316		DIN 933 M8x20	114	1	114	912					01	83	
88	12834 - 2600		NUT	AISI 316		DIN 934 M8	114	0,5	114	912					01	83	
89	12834 - 2600		SPRING LOCK WASHER	AISI 316		DIN 127 A8.4	114	0,5	114	912					01	83	
90	12834 - 2600		WASHER	AISI 316		DIN 127 DIA 8.4	166	1	166	1328					01	83	
91	12834 - 2600		HEX SCREW	8.8	HOT DIP GALVANIZED	DIN 933 M20x50	132	25	132	1056					01	83	
92	12834 - 2600		HEX SCREW	8.8	HOT DIP GALVANIZED	DIN 933 M20x80	128	32	128	1024					01	83	01
93			HANDRAIL	S235JR	GALVANIZED		1	70	1	8					01	83	01
94			GUARD	S235JR	GALVANIZED		5	115	5	40					01	83	01
95			GUARD	S235JR	GALVANIZED		5	275	5	40					01	83	01
96			GUARD	S235JR	GALVANIZED		5	120	5	40					01	83	01
97			GUARD	S235JR	GALVANIZED		1	68	1	8					01	83	01
98			HANDRAIL	S235JR	GALVANIZED		1	48	1	8					01	83	01
99			PLATFORM SUPPORT	S235JR	GALVANIZED		4	20	4	32					01	83	01

Material Handling Engineering																	
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Customer: PIRAEUS PORT AUTHORITY - RMG 40t				Title: STAIRS ASSEMBLY													
POS	DRW N°	ELECTRICAL CODE	DESCRIPTION	MATERIAL	NOTE FUNCTION	DIMENSIONS	Qty in Drw	Weight in Drw	Qty for 1 Crane	Qty for Job	RAM	ORD	SUPPLIED BY	MADE BY	ITEM	FAM	REV
100			BRACKET	S235JR	GALVANIZED		1	48	1	8					01	83	01
101			PLATE	S235JR	GALVANIZED		15	1,5	15	120					01	83	02
102			INLET GATE	S235JR	GALVANIZED		1	27	1	8					01	83	03
103			PROTECTION	S235JR	GALVANIZED		2	34	2	16					01	83	03
104	12834 - 2600		U BOLT coplete whit nut and washer	A4 AISI316		Dia. Int. 1"1/4 M8	6	0	6	48					01	81	03
105	12834 - 2600		U BOLT complete whit nut and washer	A4 AISI316		Dia. Int. 3/4" M8	2	0	2	16					01	81	03
WEIGHT FOR CRANE [kg]: 15767,5																	