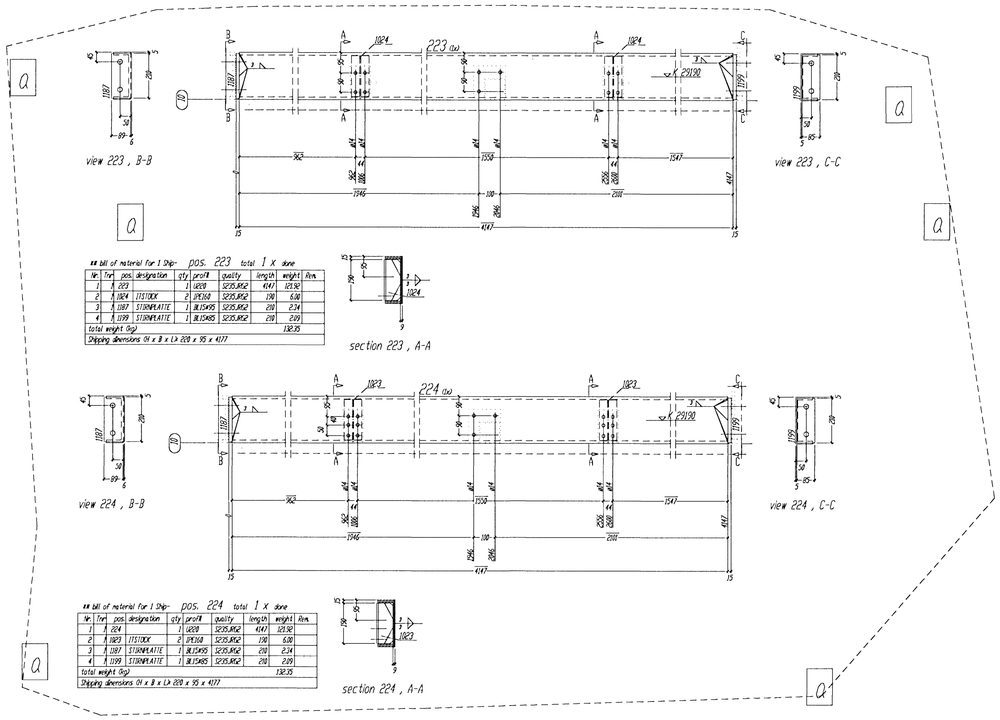
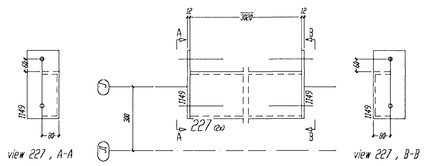


** bill of material for 1 Ship- pos. 223 total 1 X done

Nr.	Tnr.	pos.	designation	qty	profil	quality	length	weight	Rm.
1	∧	223		1	UE18	S235JR+Z	4147	121.92	
2	∧	1824	1151100X	2	PF168	S235JR+Z	138	6.08	
3	∧	1287	STIRRPLATTE	1	BL15495	S235JR+Z	218	2.14	
4	∧	1299	STIRRPLATTE	1	BL15485	S235JR+Z	218	2.09	
total weight (kg)								132.35	
Shipping dimensions (H x B x L): 228 x 95 x 4177									

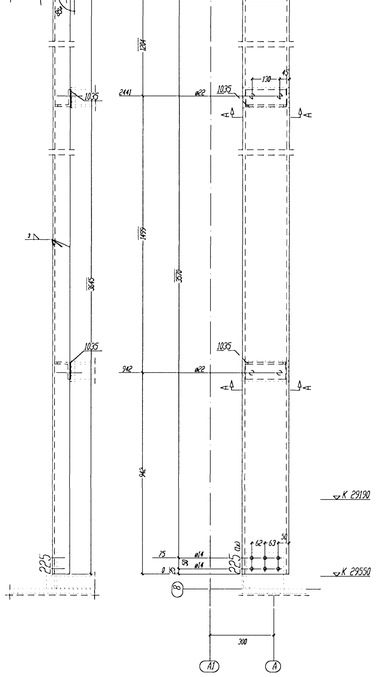
** bill of material for 1 Ship- pos. 224 total 1 X done

Nr.	Tnr.	pos.	designation	qty	profil	quality	length	weight	Rm.
1	∧	224		1	UE18	S235JR+Z	4147	121.92	
2	∧	1823	1151100X	2	PF168	S235JR+Z	138	6.08	
3	∧	1287	STIRRPLATTE	1	BL15495	S235JR+Z	218	2.14	
4	∧	1299	STIRRPLATTE	1	BL15485	S235JR+Z	218	2.09	
total weight (kg)								132.35	
Shipping dimensions (H x B x L): 228 x 95 x 4177									



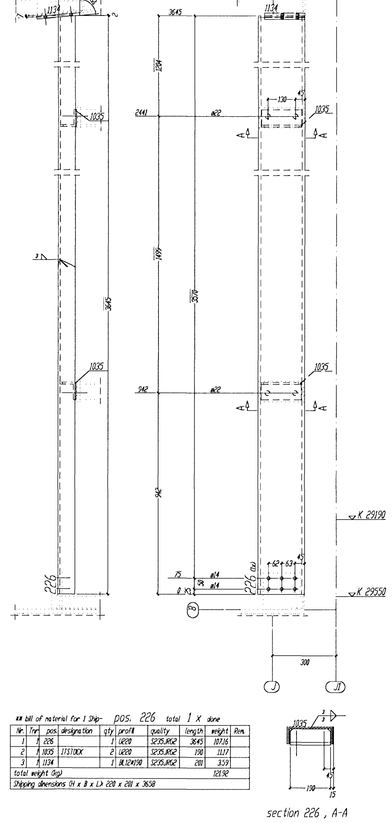
** bill of material for 1 Ship- pos. 227 total 2 X done

Nr.	Tnr.	pos.	designation	qty	profil	quality	length	weight	Rm.
1	∧	1287		1	UE18	S235JR+Z	3619	88.79	
2	∧	1149		2	FL130X12	S235JR+Z	328	9.24	
total weight (kg)								97.83	
Shipping dimensions (H x B x L): 328 x 158 x 3644									



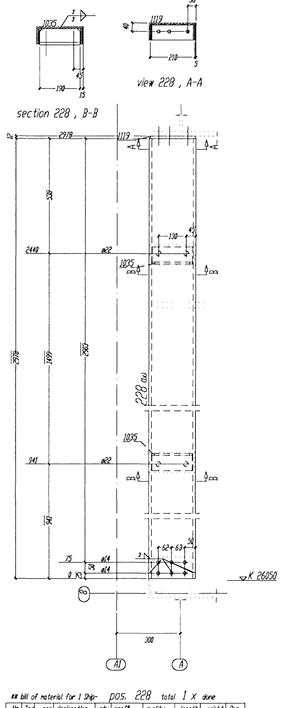
** bill of material for 1 Ship- pos. 225 total 1 X done

Nr.	Tnr.	pos.	designation	qty	profil	quality	length	weight	Rm.
1	∧	225		1	UE18	S235JR+Z	3645	101.16	
2	∧	1035	1151100X	2	UE18	S235JR+Z	138	11.17	
3	∧	1132		1	BL124708	S235JR+Z	218	3.59	
total weight (kg)								121.92	
Shipping dimensions (H x B x L): 228 x 218 x 3658									



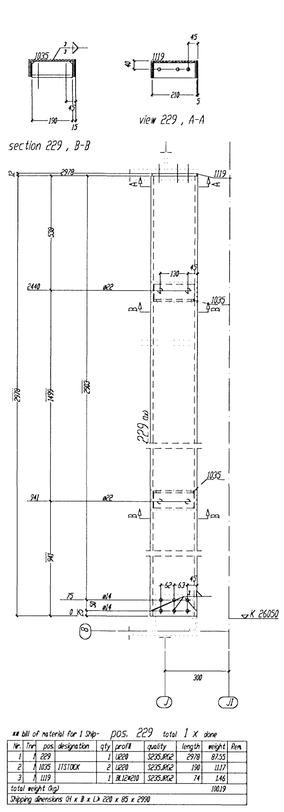
** bill of material for 1 Ship- pos. 226 total 1 X done

Nr.	Tnr.	pos.	designation	qty	profil	quality	length	weight	Rm.
1	∧	226		1	UE18	S235JR+Z	3645	101.16	
2	∧	1035	1151100X	2	UE18	S235JR+Z	138	11.17	
3	∧	1134		1	BL124708	S235JR+Z	218	3.59	
total weight (kg)								121.92	
Shipping dimensions (H x B x L): 228 x 218 x 3658									



** bill of material for 1 Ship- pos. 228 total 1 X done

Nr.	Tnr.	pos.	designation	qty	profil	quality	length	weight	Rm.
1	∧	228		1	UE18	S235JR+Z	2978	87.55	
2	∧	1035	1151100X	2	UE18	S235JR+Z	138	11.17	
3	∧	1119		1	BL124718	S235JR+Z	74	1.46	
total weight (kg)								100.19	
Shipping dimensions (H x B x L): 228 x 85 x 2998									



** bill of material for 1 Ship- pos. 229 total 1 X done

Nr.	Tnr.	pos.	designation	qty	profil	quality	length	weight	Rm.
1	∧	229		1	UE18	S235JR+Z	2978	87.55	
2	∧	1035	1151100X	2	UE18	S235JR+Z	138	11.17	
3	∧	1119		1	BL124718	S235JR+Z	74	1.46	
total weight (kg)								100.19	
Shipping dimensions (H x B x L): 228 x 85 x 2998									

Byggingafulltrúi Hafnarfjarðar
Aðgreint þann
16. FEB. 2009

Fyrir hönd Conís ehf, kt. 600105-1400 staðfestist að teikning þessi hefur verið yfirfarin. Teikningin er í samræmi við íslenska staðla og reglugerðir. 28/9 07
Gylfi S 130557-4139
Nafn Kennitala

Tolerance for welded constructions
According to DIN 8570, Pt.1+3/B+F,10.87

Welding (W P S) according to DIN-EN 288 - 2

All unmarked welds to be fillet continuous a=4mm thick, not greater than 0.7 d of the thinner element

The material for cap plates ≥20 mm thick to be examined for laninations

Required torques/prestressing forces and tension angles according to DIN 18800 Pt. 7, 05.83

1	2	3	4	5	6					
bolts	Prestressing of HV bolts Class 8.8 according to									
	Required prestressing force F_V	a) Torque technique		b) Rotation technique						
		Nominal torque M_A [Nm]		Rotational impact energy E_{kin} [Nm]	Min. compressing time [s]	Required tightening torque				
		Required grip length/ nominal diameter l_K/d	Slippage factor μ			α_A		Grip length %	Angle of rotation [°]	Bolt, nut and washer
	[kN]					[°]	[Nm]			pt.
M12	59	100	0,5	30	10	40	70	8 to 12	180	1/5
M16	110	210	0,5	70	10	30	140	12 to 16	120	1/5
M20	172	410	0,5	140	15	30	270	16 to 20	120	1/5
M22	212	550	0,5	180	20	30	360	20 to 24	90	1
M24	247	710	0,5	230	20	30	470	20 to 24	90	1/5
M27	321	1050	0,5	350	20	30	690	24 to 30	90	1/5
M30	393	1450	0,5	490	20	30	950	24 to 30	90	1/5
M36	572	2500	0,5	850	30	30	1650	30 to 36	90	1/5

a) Set to the great dependence of the fit value on the type of thread lubricant adhere to the bolt manufacturer's recommendations.
b) Independently on the lubricant all the threads and surfaces of bolts and nuts.
CAUTION For hot galvanized HV bolts use values from column 1.

BIURÓ INZYNIERSKIE
Marek i Janina MUCHA
Osiny, ul. Opolska 30a, 46-070 Komprachcice tel.077-46 46 757

	DATE	NAME	SIGNATURE
Designed by	02.2007	KMu/Ja	
Coupled by			
Verified by			

A	Tnr ráðun Pro223-224	02.2007	KMu/Ja
INDEX	CHANGES	DATE	ME

SCALE

Pos. 223-229

DESC

TJARNARVELLIR 11
Steel Office part

DRAWING NO.

DRG 126 a

SHEET

IN.