view 313 , C-C

view 313 , A-A

view 313 , D-D

section 313 , B-B

** bill of material for 1 Ship- pos. 313 total 1 X done

Nr.	Trf	pos.	designation	qty	profil	quality	length	weight	Rm.
1	⅄	313		1	IPE400	S235JR+Z	9358	628.45	
2	⅄	3088		1	BL254x10	S235JR+Z	240	18.84	
3	⅄	3094		1	BL104x8	S235JR+Z	238	6.29	
4	⅄	3092		1	BL254x8	S235JR+Z	188	8.49	
5	⅄	3227		1	BL124x8	S235JR+Z	338	5.73	
6	⅄	3246		1	BL254x8	S235JR+Z	188	4.58	
7	⅄	3285		1	BL124x8	S235JR+Z	373	3.71	
8	⅄	3288		1	BL124x8	S235JR+Z	373	2.81	
9	⅄	3329		2	FL70x8	S235JR+Z	188	3.96	
total weight (kg)								674.78	

Shipping dimensions (H x B x L): 400 x 472 x 9588

view 314 , B-B

view 314 , C-C

section 314 , A-A

** bill of material for 1 Ship- pos. 314 total 1 X done

Nr.	Trf	pos.	designation	qty	profil	quality	length	weight	Rm.
1	⅄	314		1	IPE400	S235JR+Z	9693	638.89	
2	⅄	3088		1	BL254x10	S235JR+Z	240	18.84	
3	⅄	3092		1	BL254x8	S235JR+Z	188	8.49	
4	⅄	3227		1	BL124x8	S235JR+Z	338	5.73	
total weight (kg)								671.94	

Shipping dimensions (H x B x L): 400 x 408 x 9693

section 315 , B-B

view 315 , A-A

view 315 , F-F

view 315 , G-G

view 315 , C-C

section 315 , E-E

section 315 , D-D

** bill of material for 1 Ship- pos. 315 total 1 X done

Nr.	Trf	pos.	designation	qty	profil	quality	length	weight	Rm.
1	⅄	315		1	HEA400	S235JR+Z	9242	1035.28	
2	⅄	3089		1	HEB240	S355JR+Z	886	73.73	
3	⅄	3011		1	HEB240	S355JR+Z	885	73.59	
4	⅄	3091		1	BL254x20	S235JR+Z	308	30.13	
5	⅄	3096		1	BL154x10	S235JR+Z	301	13.12	
6	⅄	3318		2	BL304x40	S355JR+Z	240	27.13	
7	⅄	3256		4	BL104x10	S235JR+Z	352	18.57	
8	⅄	3257		2	BL154x10	S235JR+Z	352	11.61	
9	⅄	3319		2	FL104x6	S235JR+Z	640	3.62	
10	⅄	3321		2	FL104x6	S235JR+Z	628	3.58	
total weight (kg)								1412.29	

Shipping dimensions (H x B x L): 398 x 1835 x 9358

view 316 , H-H

view 316 , A-A

section 316 , G-G

section 316 , B-B

view 316 , I-I

view 316 , C-C

section 316 , E-E

section 316 , D-D

section 316 , F-F

** bill of material for 1 Ship- pos. 316 total 1 X done

Nr.	Trf	pos.	designation	qty	profil	quality	length	weight	Rm.
1	⅄	316		1	HEA400	S235JR+Z	9242	1035.28	
2	⅄	3082		2	IPE360	S235JR+Z	356	79.97	
3	⅄	3013		1	HEB240	S355JR+Z	886	73.73	
4	⅄	3012		1	HEB240	S355JR+Z	885	73.59	
5	⅄	3017		1	UE80	S235JR+Z	356	18.29	
6	⅄	3018		1	UE80	S235JR+Z	356	18.29	
7	⅄	3019		1	BL154x20	S235JR+Z	308	38.23	
8	⅄	3096		1	BL154x10	S235JR+Z	301	13.12	
9	⅄	3318		2	BL304x40	S355JR+Z	240	27.13	
10	⅄	3256		4	BL104x10	S235JR+Z	352	18.57	
11	⅄	3257		2	BL154x10	S235JR+Z	352	11.61	
12	⅄	3319		2	FL104x6	S235JR+Z	640	3.62	
13	⅄	3321		2	FL104x6	S235JR+Z	628	3.58	
total weight (kg)								1472.84	

Shipping dimensions (H x B x L): 398 x 1835 x 9358

view 317

view 317 , C-C

section 317 , A-A

** bill of material for 1 Ship- pos. 317 total 1 X done

Nr.	Trf	pos.	designation	qty	profil	quality	length	weight	Rm.
1	⅄	317		1	IPE360	S235JR+Z	8564	488.99	
2	⅄	3098		1	BL254x10	S235JR+Z	240	15.96	
3	⅄	3095		1	BL254x10	S235JR+Z	178	8.81	
4	⅄	3276		1	BL124x10	S235JR+Z	254	4.06	
total weight (kg)								518.81	

Shipping dimensions (H x B x L): 368 x 248 x 8614

view 474 (2x)

** bill of material for 1 Ship- pos. 474 total 2 X done

Nr.	Trf	pos.	designation	qty	profil	quality	length	weight	Rm.
1	⅄	474		1	L100x10	S235JR+Z	2972	44.87	

view 475 (2x)

** bill of material for 1 Ship- pos. 475 total 2 X done

Nr.	Trf	pos.	designation	qty	profil	quality	length	weight	Rm.
1	⅄	475		1	L100x10	S235JR+Z	2935	44.32	

460

460 (2x)

** bill of material for 1 Ship- pos. 460 total 2 X done

Nr.	Trf	pos.	designation	qty	profil	quality	length	weight	Rm.
1	⅄	460		1	L100x10	S235JR+Z	3521	53.17	

462

462 (2x)

** bill of material for 1 Ship- pos. 462 total 2 X done

Nr.	Trf	pos.	designation	qty	profil	quality	length	weight	Rm.
1	⅄	462		1	L100x10	S235JR+Z	3581	54.07	

461

461 (2x)

** bill of material for 1 Ship- pos. 461 total 1 X done

Nr.	Trf	pos.	designation	qty	profil	quality	length	weight	Rm.
1	⅄	461		1	L100x10	S235JR+Z	3521	53.17	

463

463 (2x)

** bill of material for 1 Ship- pos. 463 total 1 X done

Nr.	Trf	pos.	designation	qty	profil	quality	length	weight	Rm.
1	⅄	463		1	L100x10	S235JR+Z	3456	52.19	

464 (2x)

** bill of material for 1 Ship- pos. 464 total 3 X done

Nr.	Trf	pos.	designation	qty	profil	quality	length	weight	Rm.
1	⅄	464		1	L100x10	S235JR+Z	3456	52.19	

466 (2x)

** bill of material for 1 Ship- pos. 466 total 2 X done

Nr.	Trf	pos.	designation	qty	profil	quality	length	weight	Rm.
1	⅄	466		1	L100x10	S235JR+Z	3026	45.71	

465 (2x)

** bill of material for 1 Ship- pos. 465 total 3 X done

Nr.	Trf	pos.	designation	qty	profil	quality	length	weight	Rm.
1	⅄	465		1	L100x10	S235JR+Z	3456	52.19	

467 (2x)

** bill of material for 1 Ship- pos. 467 total 2 X done

Nr.	Trf	pos.	designation	qty	profil	quality	length	weight	Rm.
1	⅄	467		1	L100x10	S235JR+Z	3026	45.71	

468 (2x)

** bill of material for 1 Ship- pos. 468 total 1 X done

Nr.	Trf	pos.	designation	qty	profil	quality	length	weight	Rm.
1	⅄	468		1	L100x10	S235JR+Z	2820	42.33	

470 (2x)

** bill of material for 1 Ship- pos. 470 total 2 X done

Nr.	Trf	pos.	designation	qty	profil	quality	length	weight	Rm.
1	⅄	470		1	L100x10	S235JR+Z	3052	46.09	

469 (2x)

** bill of material for 1 Ship- pos. 469 total 2 X done

Nr.	Trf	pos.	designation	qty	profil	quality	length	weight	Rm.
1	⅄	469		1	L100x10	S235JR+Z	3052	46.09	

471 (2x)

** bill of material for 1 Ship- pos. 471 total 8 X done

Nr.	Trf	pos.	designation	qty	profil	quality	length	weight	Rm.
1	⅄	471		1	L100x10	S235JR+Z	3049	45.91	

472 (2x)

** bill of material for 1 Ship- pos. 472 total 2 X done

Nr.	Trf	pos.	designation	qty	profil	quality	length	weight	Rm.
1	⅄	472		1	L100x10	S235JR+Z	3035	45.80	

473 (2x)

** bill of material for 1 Ship- pos. 473 total 2 X done

Nr.	Trf	pos.	designation	qty	profil	quality	length	weight	Rm.
1	⅄	473		1	L100x10	S235JR+Z	3029	45.64	

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

Nafn Kennitala 130557-4439

Bygging/Bílskúr Hafnarfjörður Álfafell 1anh 16 FEB 2009

Tolerance for welded constructions According to DIN 8570, Pt.1+3/84+E,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 120 mm thick to be examined for laminations

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

1	2	3	4	5	6
Bolts	Required compress ing force Fp	Prestressing of HV bolts Class 10.9 according to: a) Torque technique		b) Turning technique	c) Angle of rotation technique
		Nominal torque which	Reduced torque which	Required tightening torque	Grip length ℓg	Angle of rotation
	kN	Nm	Nm	Nm	mm	°
M12	59	59	50	59	9 to 13	180
M16	113	113	96	113	13 to 17	120
M20	176	176	150	176	17 to 21	120
M22	218	218	185	218	21 to 25	120
M24	255	255	215	255	25 to 29	120
M27	333	333	283	333	29 to 33	120
M30	405	405	344	405	33 to 37	120

a) Turn on the great diameters of the fit nuts or the type of thread lubricant

b) Only for bolts and nuts lubricated with molybdenum disulphide

c) Values are to be multiplied by the number of the load surfaces of bolts and nuts

CAUTION! Not galvanized HV bolts can reduce the values 5

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

	DATE	NAME	SIGNATURE
Designed by	10.08.07	KAUTA	
Cecked by			
Verified by			

No.	Item notice	DATE	NAME
1	first notice	10.08.07	KAUTA
INDEX	CHANGES	DATE	SIGN

SCALE

Pos.313-317, 460-475

DESIG.

TJARNARVELLIR 11
Steel- Storage house

DRAWING NO.

DRG 205 a

SHEET