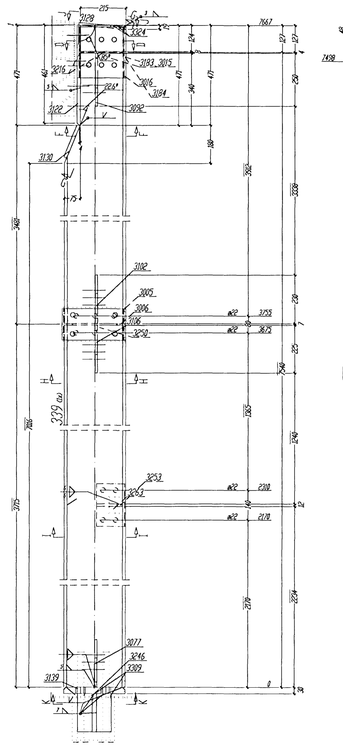
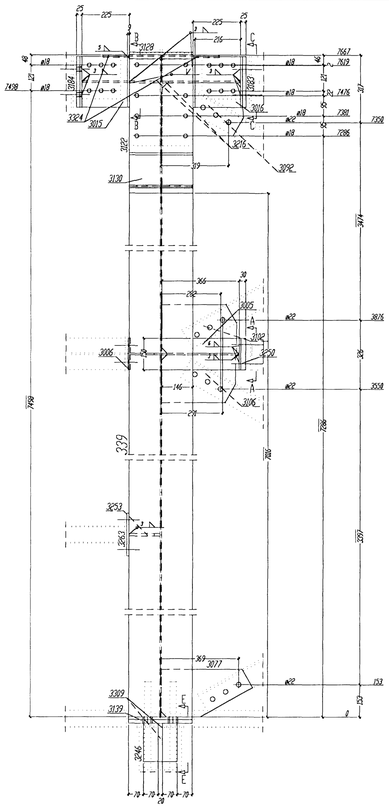
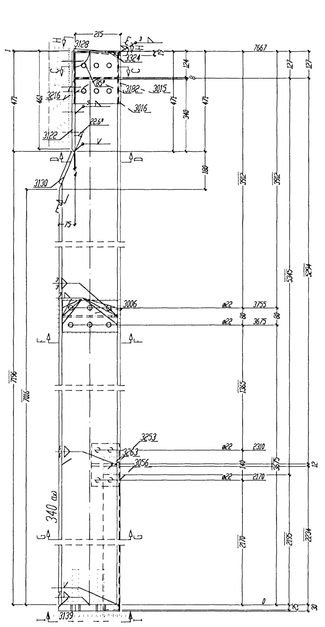
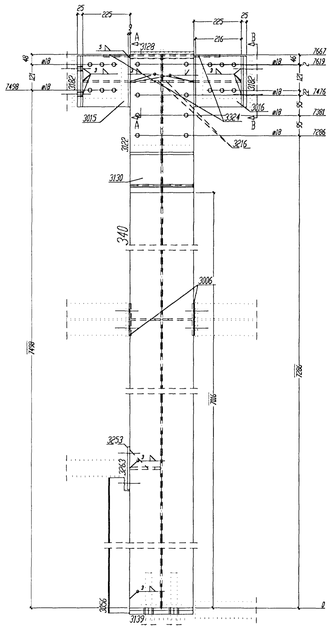
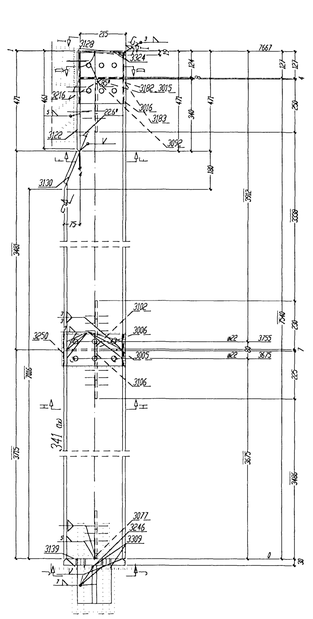
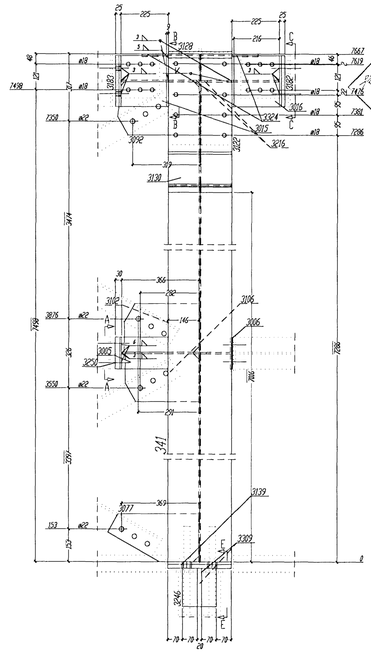


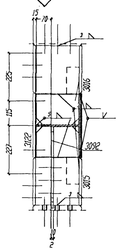




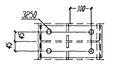




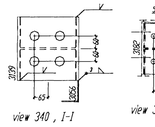




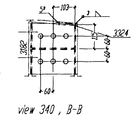
section 341 , F-F



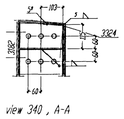
view 341 , A-A



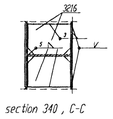
view 340 , I-I



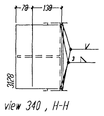
view 340 , B-B



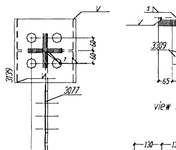
view 340 , A-A



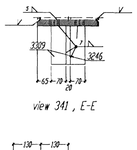
section 340 , C-C



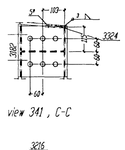
view 340 , H-H



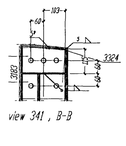
view 341 , J-J



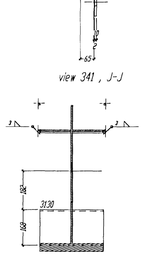
view 341 , E-E



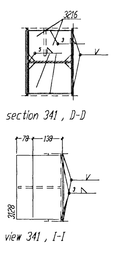
view 341 , C-C



view 341 , B-B



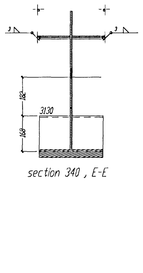
section 341 , H-H



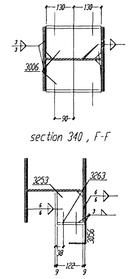
section 341 , D-D

section 341 , G-G

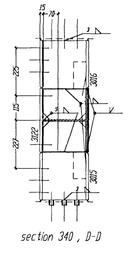
view 341 , I-I



section 340 , E-E

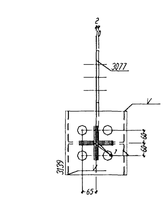


section 340 , F-F

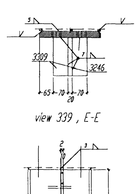


section 340 , D-D

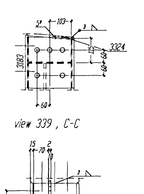
section 340 , G-G



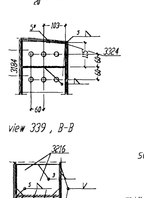
view 339 , K-K



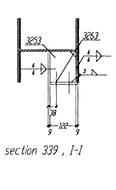
view 339 , E-E



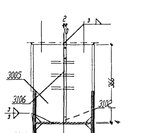
view 339 , C-C



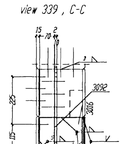
view 339 , B-B



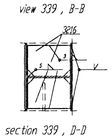
section 339 , I-I



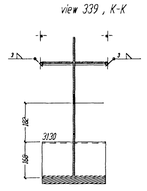
section 339 , H-H



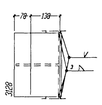
section 339 , F-F



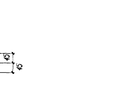
section 339 , D-D



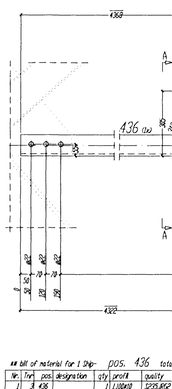
section 339 , G-G

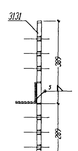


view 339 , J-J

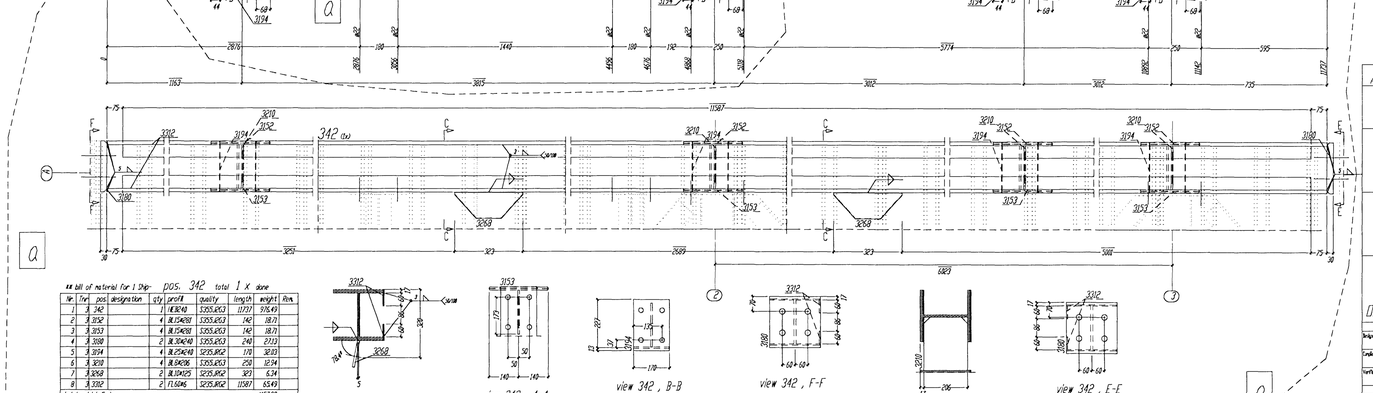


view 339 , A-A





section 436 , A-A



section 342 , C-C

view 342 , A-A

view 342 , B-B

view 342 , F-F

section 342 , D-D

view 342 , E-E

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

Tolerance for welded constructions According to DIN 8570, Pt.1+2/8+F.1087

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 laminations

Required torquepretressing forces and forced tension angles according to DIN 18800 Pt. 7, 8583

1	2	3	4	5	6
bolts	Required torque-ing force Fv	Preliminary of HV bolts Class 10.9 according to: a) torque technique: Nomal torque wrench (required adjusted torque) Mv [Nm]	b) torque technique: Hydraulic torque wrench (required adjusted torque) Mv [Nm]	Required tightening torque	c) angle of rotation technique: Grip length	bot. thickness
	kN	M	M	M		
M12	59	59	59	59	1 x d	18
M16	113	113	113	113	1/3 x d	24
M20	177	177	177	177	1/3 x d	30
M22	216	216	216	216	1/3 x d	34
M24	255	255	255	255	1/3 x d	36
M27	333	333	333	333	1/3 x d	40
M30	406	406	406	406	1/3 x d	45

a) Due to the great dependence of the Mv value on the type of thread lubricant adhere to the bolt manufacturer's recommendations
b) Independently on the lubricant of the threads and surfaces of bolts and nuts. DASTAHF hot galvanized HV bolts can retuse from class 8.

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

	DATE	NAME	SIGNATURE
Designed by	28.09.07	Mucha	
Checked by			
Verified by			

1	Nowe rzędne	28.09.07	Mucha	
INDEX	CHANGES	DATE	NAME	

SCALE: Pos.339-342, 436

DESIG.: TJARNARVELLIR 11
Steel- Storage house

DRAWING: DRG 209 a — SHEET: 1K

bill of material for 1 Ship- pos. 339 total 1 x done

Nr.	Trn1	pos1	designation	qty	profil	quality	length	weight	Rem.
1	3.339			1	HEA300	S235JR+Z	7667	676.99	
2	3.3005			1	IPE300	S235JR+Z	366	15.43	
3	3.3006			1	IPE300	S235JR+Z	260	10.97	
4	3.3015			1	HEA240	S235J0	225	13.57	
5	3.3016			1	HEA240	S235J0	225	7.61	
6	3.3077			1	BL10X435	S235JR+Z	250	7.56	
7	3.3092			1	BL10X305	S235JR+Z	238	6.27	
8	3.3102			1	BL10X748	S235JR+Z	225	6.15	
9	3.3106			1	BL15X308	S235JR+Z	472	16.67	
10	3.3129			1	BL15X308	S235JR+Z	216	5.92	
11	3.3130			1	BL15X308	S235JR+Z	168	4.61	
12	3.3139			1	BL10X748	S235JR+Z	300	28.93	
13	3.3263			1	BL10X738	S235JR+Z	200	3.36	
14	3.3324			2	FL15X96	S235JR+Z	125	1.41	
total weight (kg)								856.36	

Shipping dimensions: H x B x L= 338 x 835 x 7898

bill of material for 1 Ship- pos. 340 total 1 x done

Nr.	Trn1	pos1	designation	qty	profil	quality	length	weight	Rem.
1	3.340			1	HEA300	S235JR+Z	7667	676.99	
2	3.3006			2	IPE300	S235JR+Z	260	21.94	
3	3.3015			1	HEA240	S235J0+Z	225	13.57	
4	3.3016			1	HEA240	S235J0+Z	225	13.57	
5	3.3056			1	BL11X10044	S235JR+Z	2209	122.7	
6	3.3102			1	BL15X308	S235JR+Z	472	16.67	
7	3.3129			1	BL12X308	S235JR+Z	216	6.11	
8	3.3130			1	BL12X308	S235JR+Z	168	5.92	
9	3.3139			1	BL30X298	S235JR+Z	300	28.49	
10	3.3192			2	BL25X648	S235JR+Z	238	21.67	
11	3.3016			2	BL8X618	S235J0+Z	146	3.69	
12	3.3253			1	BL12X746	S235JR+Z	123	1.68	
13	3.3263			1	BL10X738	S235JR+Z	200	2.36	
14	3.3324			2	FL15X96	S235JR+Z	125	.71	
total weight (kg)								917.35	

Shipping dimensions: H x B x L= 298 x 888 x 7778

bill of material for 1 Ship- pos. 341 total 1 x done

Nr.	Trn1	pos1	designation	qty	profil	quality	length	weight	Rem.
1	3.341			1	HEA300	S235JR+Z	7667	676.99	
2	3.3005			1	IPE300	S235JR+Z	366	15.43	
3	3.3006			1	IPE300	S235JR+Z	260	10.97	
4	3.3013			1	HEA240	S235JR+Z	225	13.57	
5	3.3016			1	HEA240	S235JR+Z	225	13.57	
6	3.3077			1	BL10X435	S235JR+Z	225	7.61	
7	3.3092			1	BL10X305	S235JR+Z	250	7.56	
8	3.3102			1	BL10X253	S235JR+Z	238	6.27	
9	3.3106			1	BL10X748	S235JR+Z	225	6.15	
10	3.3106			1	BL15X308	S235JR+Z	472	16.67	
11	3.3129			1	BL12X308	S235JR+Z	216	6.11	
12	3.3130			1	BL15X308	S235JR+Z	168	5.92	
13	3.3139			1	BL30X298	S235JR+Z	300	28.49	
14	3.3182			1	BL25X648	S235JR+Z	238	10.83	
15	3.3183			2	BL25X648	S235JR+Z	238	10.83	
16	3.3016			2	BL8X618	S235J0+Z	146	3.69	
17	3.3246			1	BL10X758	S235JR+Z	188	4.52	
18	3.3250			1	FL15X408	S235JR+Z	300	18.06	
19	3.3329			1	FL10X408	S235JR+Z	188	3.96	
20	3.3324			2	FL15X96	S235JR+Z	125	.71	
total weight (kg)								852.56	

Shipping dimensions: H x B x L= 338 x 835 x 7898

bill of material for 1 Ship- pos. 342 total 1 x done

Nr.	Trn1	pos1	designation	qty	profil	quality	length	weight	Rem.
1	3.342			1	HEA740	S355J0+Z	11727	935.49	
2	3.3152			4	BL15X608	S355J0+Z	142	18.71	
3	3.3153			4	BL15X608	S355J0+Z	142	18.71	
4	3.3188			2	BL30X748	S355J0+Z	248	27.73	
5	3.3194			4	BL25X748	S355J0+Z	178	32.03	
6	3.3212			4	BL8X208	S355J0+Z	258	12.34	
7	3.3268			2	BL30X125	S235JR+Z	323	6.24	
8	3.3312			2	FL15X96	S235JR+Z	11587	65.43	
total weight (kg)								1157.83	

Shipping dimensions: H x B x L= 364 x 496 x 11797

bill of material for 1 Ship- pos. 436 total 1 x done

Nr.	Trn1	pos1	designation	qty	profil	quality	length	weight	Rem.
1	3.436			1	L100X10	S235JR+Z	8459	127.73	
2	3.3131			1	BL20X299	S235J0+Z	671	31.56	
total weight (kg)								159.29	

Shipping dimensions: H x B x L= 678 x 128 x 8459