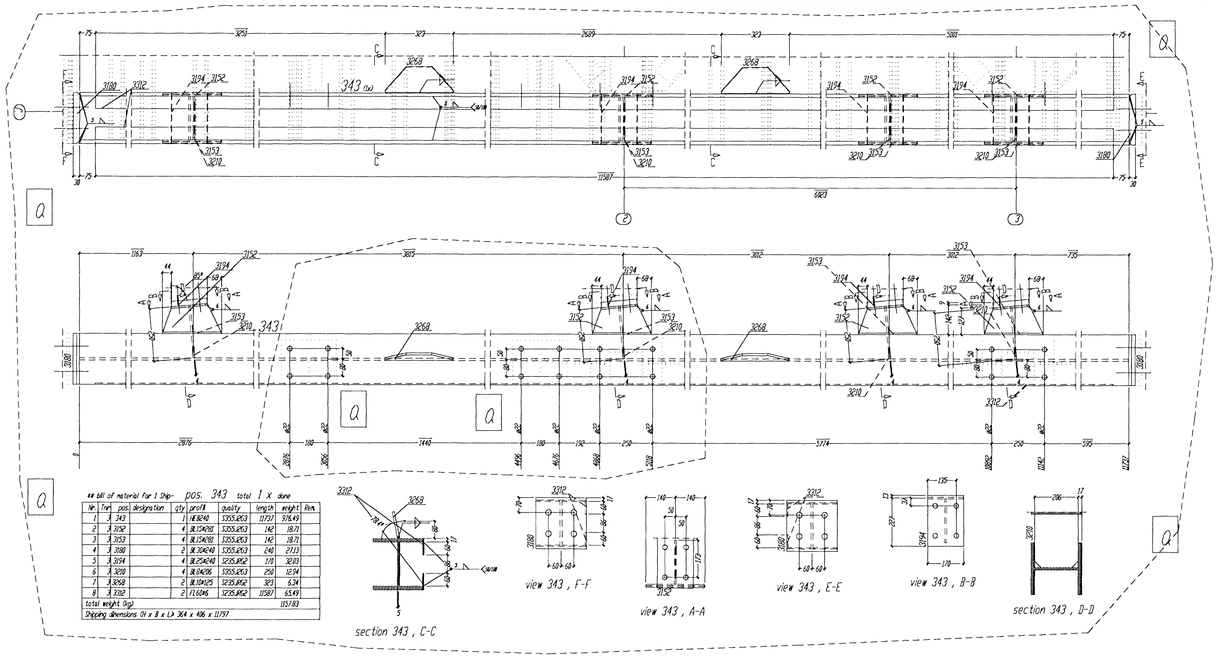
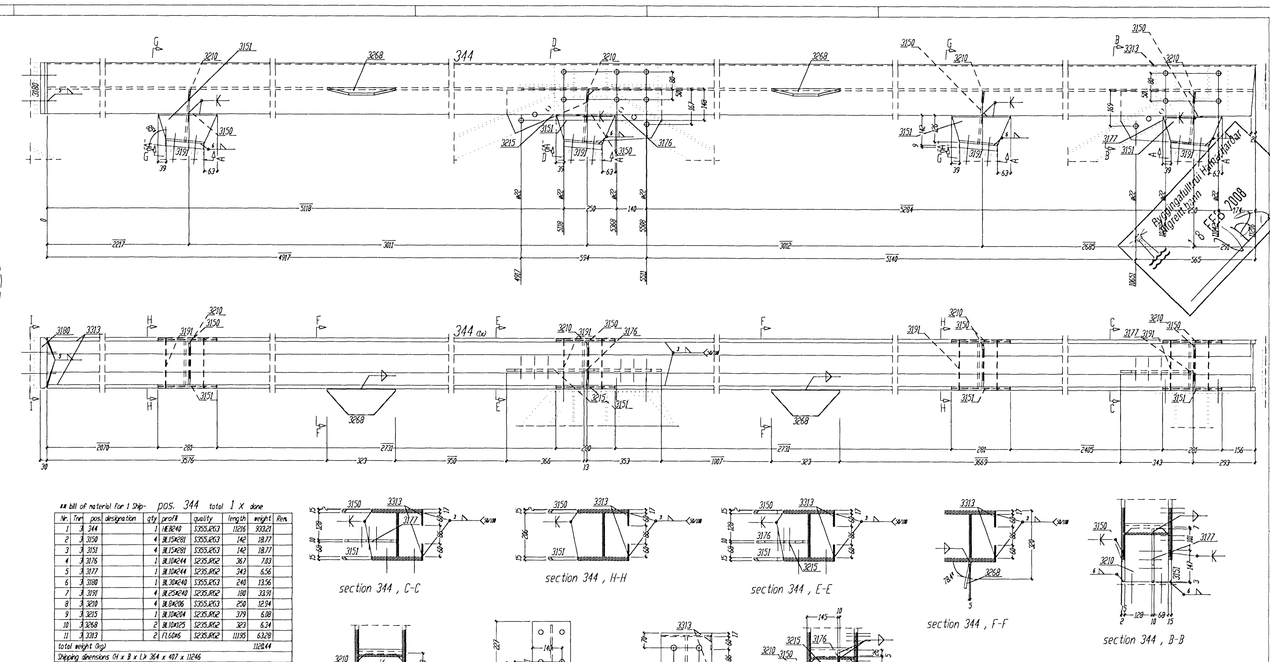


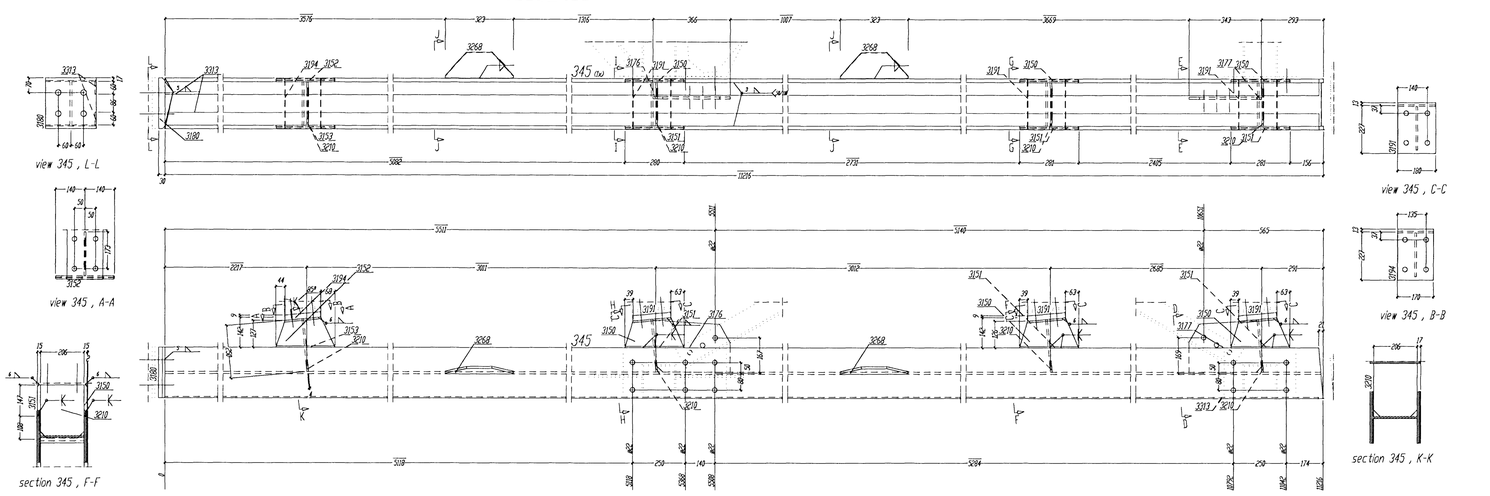
** bill of material for 1 Ship- pos. 343 total 1 X done

Nr.	Tnr	pos.	designation	qty	profil	quality	length	weight	Rem.
1		3343		1	HEB240	S355J0/J2	11759	939,49	
2		3352		4	IPE140/8	S355J0/J2	142	18,71	
3		3353		4	IPE140/8	S355J0/J2	142	18,71	
4		3362		2	IPE140/8	S355J0/J2	142	4,68	
5		3363		2	IPE140/8	S355J0/J2	142	4,68	
6		3376		1	PL10/244	S235JR/J2	367	7,03	
7		3377		1	PL10/244	S235JR/J2	343	6,56	
8		3388		1	PL10/240	S355J0/J2	248	13,56	
9		3391		3	PL25/240	S235JR/J2	188	25,43	
10		3394		1	PL25/240	S235JR/J2	178	8,81	
11		3818		4	PL8/436	S355J0/J2	258	12,54	
12		3868		2	PL10/425	S235JR/J2	323	6,34	
13		3383		2	FL10/245	S235JR/J2	11585	63,69	
total weight (kg)								1151,883	
Shipping dimensions (H x B x L): 364 x 406 x 11797									



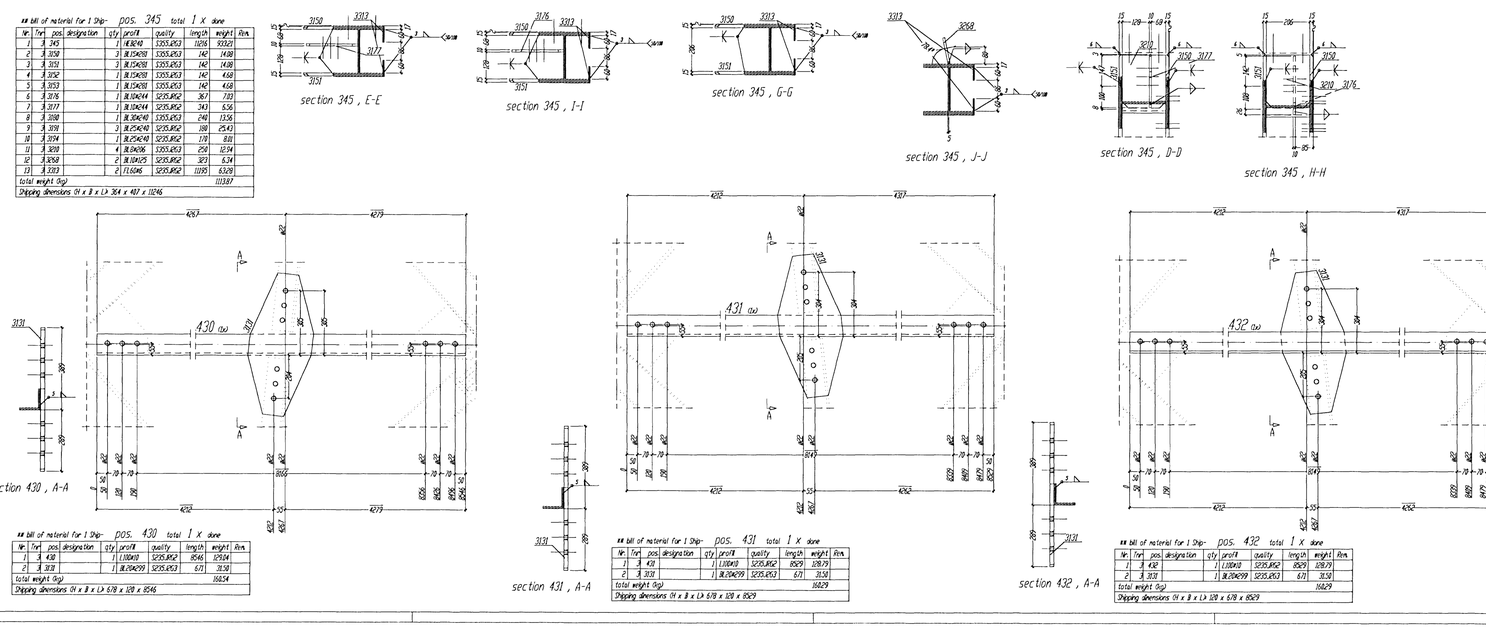
** bill of material for 1 Ship- pos. 344 total 1 X done

Nr.	Tnr	pos.	designation	qty	profil	quality	length	weight	Rem.
1		3344		1	HEB240	S355J0/J2	11696	933,21	
2		3359		4	IPE140/8	S355J0/J2	142	18,77	
3		3360		4	IPE140/8	S355J0/J2	142	18,77	
4		3376		1	PL10/244	S235JR/J2	367	7,03	
5		3377		1	PL10/244	S235JR/J2	343	6,56	
6		3388		1	PL10/240	S355J0/J2	248	13,56	
7		3391		4	PL25/240	S235JR/J2	188	33,91	
8		3818		4	PL8/436	S355J0/J2	258	12,54	
9		3825		1	PL10/424	S235JR/J2	379	6,88	
10		3868		2	PL10/425	S235JR/J2	323	6,34	
11		3383		2	FL10/245	S235JR/J2	11598	63,69	
total weight (kg)								1126,44	
Shipping dimensions (H x B x L): 364 x 407 x 11746									



** bill of material for 1 Ship- pos. 345 total 1 X done

Nr.	Tnr	pos.	designation	qty	profil	quality	length	weight	Rem.
1		3345		1	HEB240	S355J0/J2	11696	933,21	
2		3350		3	IPE140/8	S355J0/J2	142	14,08	
3		3351		3	IPE140/8	S355J0/J2	142	14,08	
4		3362		1	IPE140/8	S355J0/J2	142	4,68	
5		3363		1	IPE140/8	S355J0/J2	142	4,68	
6		3376		1	PL10/244	S235JR/J2	367	7,03	
7		3377		1	PL10/244	S235JR/J2	343	6,56	
8		3388		1	PL10/240	S355J0/J2	248	13,56	
9		3391		3	PL25/240	S235JR/J2	188	25,43	
10		3394		1	PL25/240	S235JR/J2	178	8,81	
11		3818		4	PL8/436	S355J0/J2	258	12,54	
12		3868		2	PL10/425	S235JR/J2	323	6,34	
13		3383		2	FL10/245	S235JR/J2	11595	63,68	
total weight (kg)								1113,87	
Shipping dimensions (H x B x L): 364 x 407 x 11746									



** bill of material for 1 Ship- pos. 430 total 1 X done

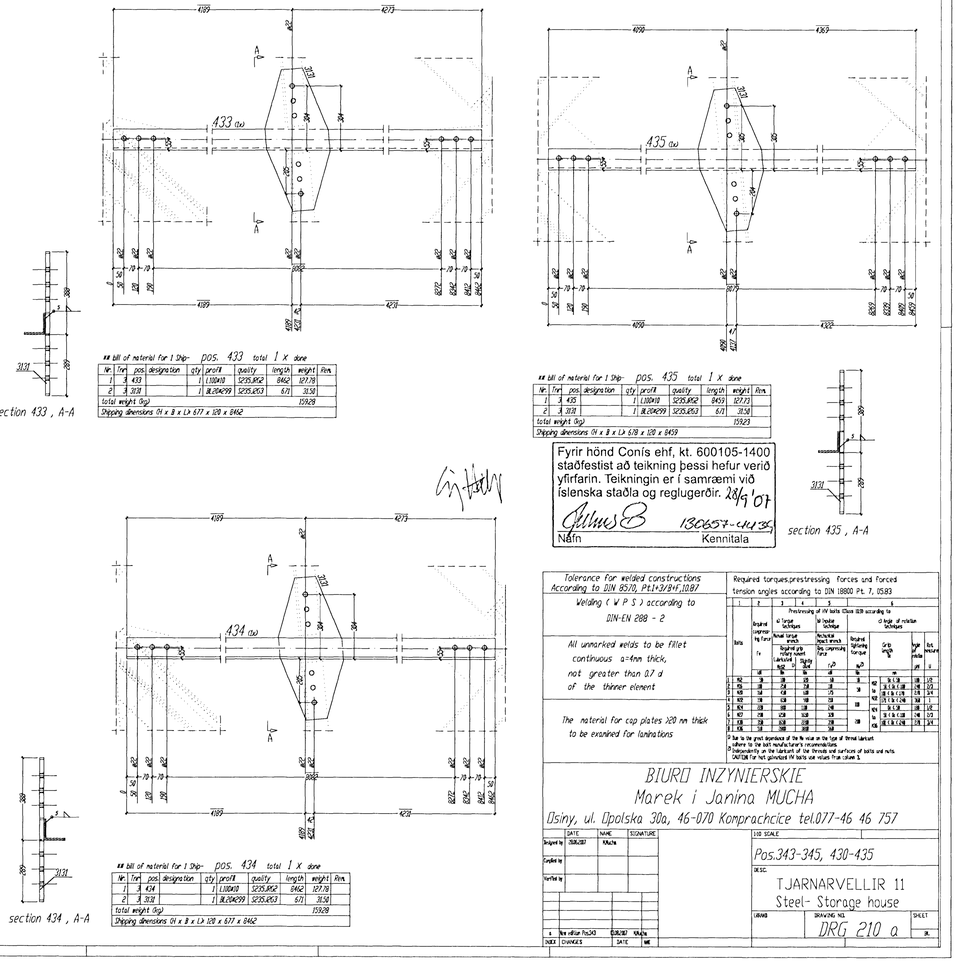
Nr.	Tnr	pos.	designation	qty	profil	quality	length	weight	Rem.
1		3430		1	L100X10	S235JR/J2	8546	129,14	
2		3838		1	PL20X299	S235JR/J2	671	31,50	
total weight (kg)								1160,54	
Shipping dimensions (H x B x L): 378 x 128 x 8546									

** bill of material for 1 Ship- pos. 431 total 1 X done

Nr.	Tnr	pos.	designation	qty	profil	quality	length	weight	Rem.
1		3431		1	L100X10	S235JR/J2	8529	128,79	
2		3838		1	PL20X299	S235JR/J2	671	31,50	
total weight (kg)								1160,29	
Shipping dimensions (H x B x L): 378 x 128 x 8529									

** bill of material for 1 Ship- pos. 432 total 1 X done

Nr.	Tnr	pos.	designation	qty	profil	quality	length	weight	Rem.
1		3432		1	L100X10	S235JR/J2	8529	128,79	
2		3838		1	PL20X299	S235JR/J2	671	31,50	
total weight (kg)								1160,29	
Shipping dimensions (H x B x L): 378 x 128 x 8529									



** bill of material for 1 Ship- pos. 433 total 1 X done

Nr.	Tnr	pos.	designation	qty	profil	quality	length	weight	Rem.
1		3433		1	L100X10	S235JR/J2	8462	127,78	
2		3838		1	PL20X299	S235JR/J2	671	31,50	
total weight (kg)								1592,8	
Shipping dimensions (H x B x L): 677 x 128 x 8462									

** bill of material for 1 Ship- pos. 435 total 1 X done

Nr.	Tnr	pos.	designation	qty	profil	quality	length	weight	Rem.
1		435		1	L100X10	S235JR/J2	8459	127,73	
2		3838		1	PL20X299	S235JR/J2	671	31,50	
total weight (kg)								1592,3	
Shipping dimensions (H x B x L): 678 x 128 x 8459									

** bill of material for 1 Ship- pos. 434 total 1 X done

Nr.	Tnr	pos.	designation	qty	profil	quality	length	weight	Rem.
1		434		1	L100X10	S235JR/J2	8462	127,78	
2		3838		1	PL20X299	S235JR/J2	671	31,50	
total weight (kg)								1592,8	
Shipping dimensions (H x B x L): 128 x 677 x 8462									

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 130657-4139

Tolerance for welded constructions
According to DIN 8570, Pt1+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 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 (approx.) tightening torque T_A	Prestressing of HV bolts Class 8.8 according to: a) Torque technique: Required prestressing force $F_{V,C}$ (= $F_{V,min}$ + 10%)	b) Torque technique: Required tightening torque T_A	c) Angle of rotation technique: Required tightening force $F_{V,C}$	Grade of nut	Hole diameter	Bolt, nut, washer
	kNm	kN	kNm	kN		mm	pc.
1 M12	80	70	120	100	8	13	1
2 M16	200	120	300	180	8	17	1
3 M20	380	180	570	270	8	21	1
4 M22	510	220	770	330	10	23	1
5 M24	650	250	980	380	10	25	1
6 M27	950	330	1430	490	10	28	1
7 M30	1300	400	1950	600	10	31	1
8 M36	2250	580	3380	870	10	37	1

Due to the great dependence of the fit value on the type of thread lubricant, adhere to the bolt manufacturer's recommendations.
Independently on the lubricant of the threads and surfaces of bolts and nuts.
CAUTION for hot galvanized HV bolts use values from column 3.

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

	DATE	NAME	SIGNATURE
Designed by	28.09.2007	M.Mucha	
Checked by			
Verified by			

No.	Revision No./Date	Drawn	Checked
1	Nie widać Pos.343	28.09.07	M.Mucha

INDEX CHANGES DATE ME

1:50 SCALE

Pos.343-345, 430-435

DESIG.

TJARNARVELLIR 11
Steel- Storage house

DRAWING NO. DRG 210 a

SHEET 01