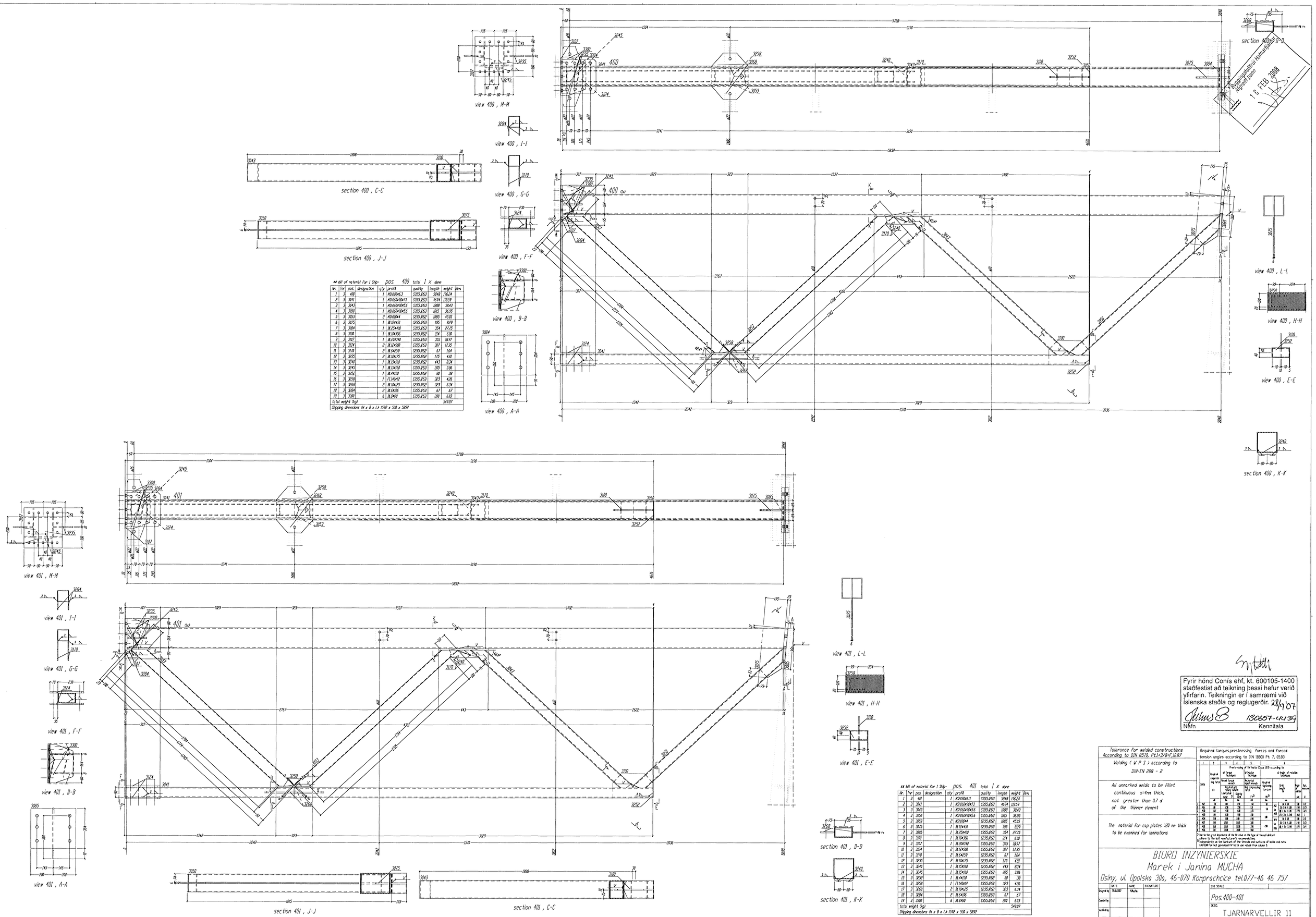

bill of material for 1 Ship- pos. 400 total 1 X done

Nr.	Tyr	pos.	designation	qty	profil	quality	length	weight	Pkt.
1	3	400		1	HD/B1046,3	S355J0J0	5849	196,24	
2	3	3241		1	HD/B1060*10*11	S355J0J0	4694	118,59	
3	3	3243		1	HD/B560*300*16	S355J0J0	1888	38,43	
4	3	3050		1	HD/B560*300*16	S355J0J0	1885	36,95	
5	3	3053		2	HD/B300*14	S235J0J2	1885	45,05	
6	3	3075		1	IPE 140*12	S235J0J2	195	8,29	
7	3	3084		1	IPE 270*10	S355J0J0	354	27,75	
8	3	3100		1	PL 10*256	S235J0J2	214	5,00	
9	3	3107		1	PL 10*340	S355J0J0	355	18,97	
10	3	3124		2	PL 12*300	S355J0J0	307	17,35	
11	3	3170		2	PL 6*259	S235J0J2	67	1,64	
12	3	3235		2	PL 10*175	S235J0J2	175	4,81	
13	3	3240		1	PL 15*160	S235J0J2	443	8,34	
14	3	3245		1	PL 15*160	S355J0J0	205	3,86	
15	3	3252		1	PL 4*150	S235J0J2	80	,38	
16	3	3258		1	FL 14*142	S355J0J0	323	4,26	
17	3	3268		2	PL 10*125	S235J0J2	323	5,34	
18	3	3284		2	PL 6*106	S355J0J0	67	,67	
19	3	3300		6	PL 8*80	S355J0J0	200	0,83	
total weight (kg)								54937	
Shipping dimensions (H x B x L): 1592 x 530 x 5892									

bill of material for 1 Ship- pos. 401 total 1 X done

Nr.	Tyr	pos.	designation	qty	profil	quality	length	weight	Pkt.
1	3	401		1	HD/B1046,3	S355J0J0	5849	196,24	
2	3	3241		1	HD/B1060*10*11	S355J0J0	4694	118,59	
3	3	3243		1	HD/B560*300*16	S355J0J0	1888	38,43	
4	3	3050		1	HD/B560*300*16	S355J0J0	1885	36,95	
5	3	3053		2	HD/B300*14	S235J0J2	1885	45,05	
6	3	3075		1	IPE 140*12	S235J0J2	195	8,29	
7	3	3085		1	IPE 270*10	S355J0J0	354	27,75	
8	3	3100		1	PL 10*256	S235J0J2	214	5,00	
9	3	3107		1	PL 10*340	S355J0J0	355	18,97	
10	3	3124		2	PL 12*300	S355J0J0	307	17,35	
11	3	3170		2	PL 6*259	S235J0J2	67	1,64	
12	3	3235		2	PL 10*175	S235J0J2	175	4,81	
13	3	3240		1	PL 15*160	S235J0J2	443	8,34	
14	3	3245		1	PL 15*160	S355J0J0	205	3,86	
15	3	3252		1	PL 4*150	S235J0J2	80	,38	
16	3	3258		1	FL 14*142	S355J0J0	323	4,26	
17	3	3268		2	PL 10*125	S235J0J2	323	5,34	
18	3	3284		2	PL 6*106	S355J0J0	67	,67	
19	3	3300		6	PL 8*80	S355J0J0	200	0,83	
total weight (kg)								54937	
Shipping dimensions (H x B x L): 1592 x 530 x 5892									

Fyrir hönd Conis 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 — 130657-4439

Tolerance for welded constructions According to DIN 8570, Pt.1+2/8.IF.10.87

Welding (V 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 compressing force F_V	Preloading of HV bolts (Class 8.8) according to: a) Torque wrenches: Nominal torque M_{nom} / Required grip length $l_{k,erf}$ (incl. washers) l_{gk} / Sleeve l_H	b) Impact wrenches: Nominal impact wrench / Grip compressing force F_{nom}	c) Angle of rotation techniques: Required tightening torque M_{erf}	Grip angle α_k	Type of nut	Bolt measure
	kN	a) Nm / mm / mm	b) kN	Nm	°		
M12	38	70	15	12	8	M12	3,5 / 8	10	1,5
M16	68	110	28	15	10	M16	3,5 / 8 / 10	14	2,5
M20	114	150	49	15	10	M20	3,5 / 8 / 10 / 13	17	2,5
M22	142	170	59	18	7,5	M22	3,5 / 8 / 10 / 13	19	2
M24	176	190	71	18	7,5	M24	3,5 / 8 / 10 / 13	22	2,5
M27	216	210	90	18	7,5	M27	3,5 / 8 / 10 / 13	24	3
M30	261	230	110	18	7,5	M30	3,5 / 8 / 10 / 13	27	3,5
M36	380	270	160	18	7,5	M36	3,5 / 8 / 10 / 13	32	4,5

a) Due to the great dependence of the fm 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 DASTUM for not galvanized HV bolts use values from column 5

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

	DATE	NAME	SIGNATURE
Designed by	19.06.2007	MMJM	
Checked by			
Verified by			

INDEX CHANGES DATE INIT

1:10 SCALE

Pos.400-401

DESC. TJARNARVELLIR 11
Steel- Storage house

DRAWING NO. DRG 228

SHEET