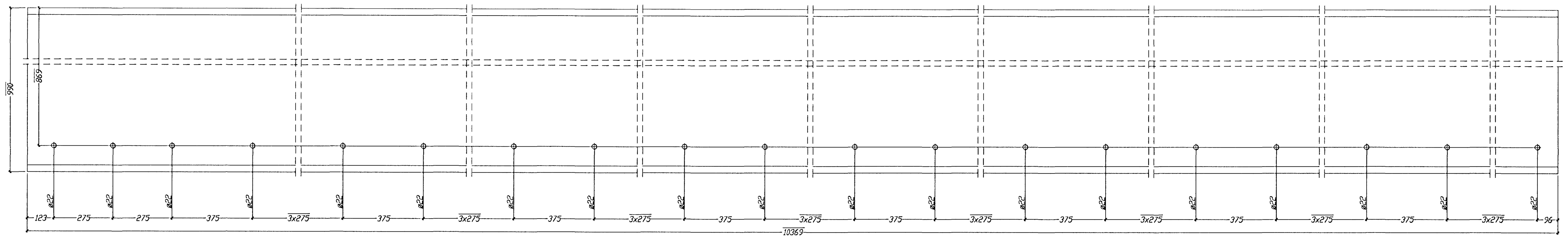
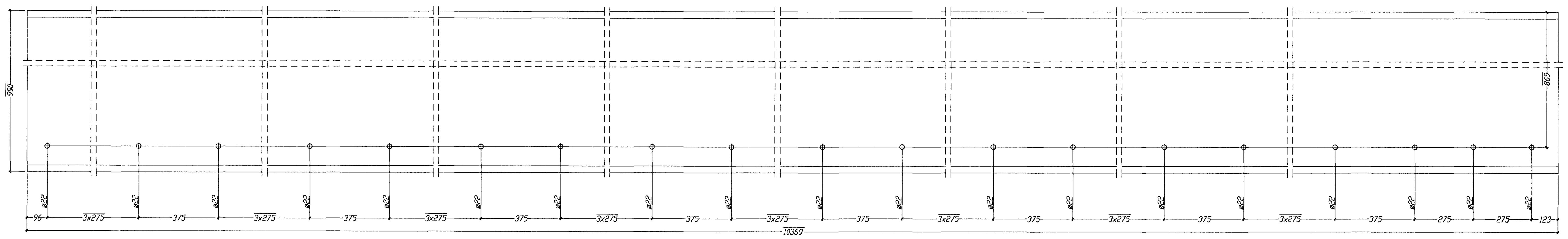



2 x Pos. 101

HEA1000 ..10369




2 x Pos. 102

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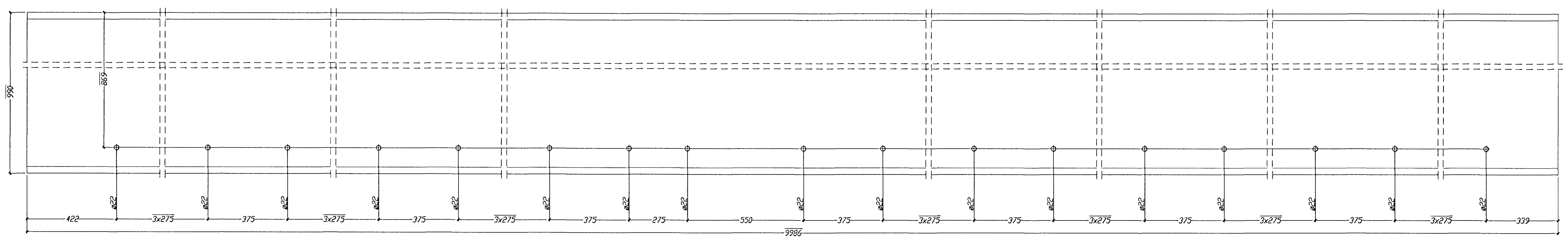
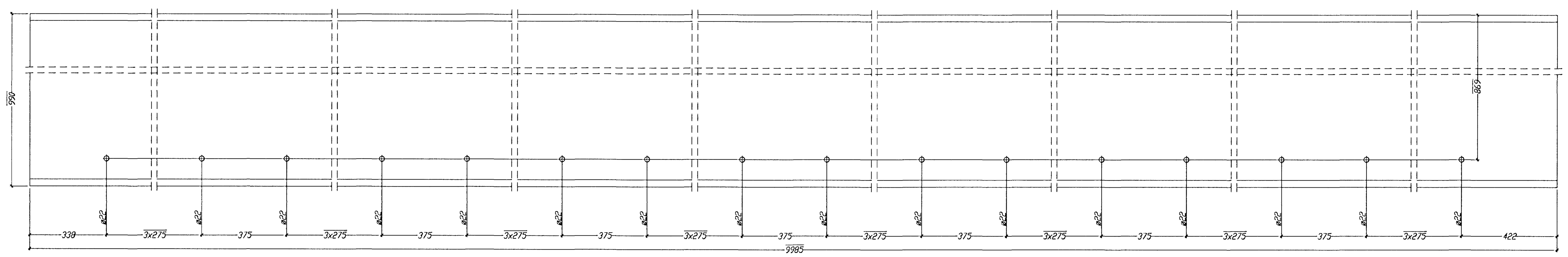


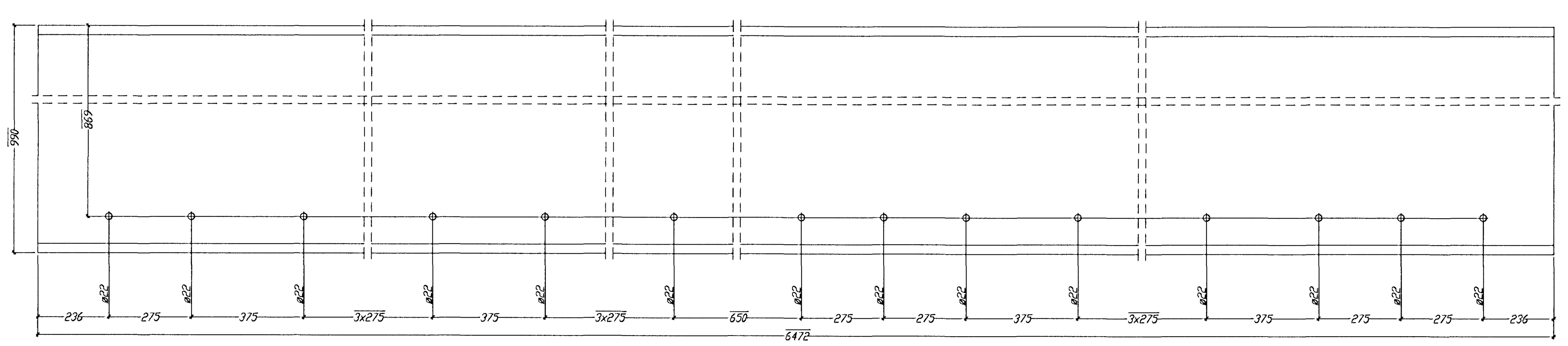

2 x Pos. 103

HEA1000 ..9986



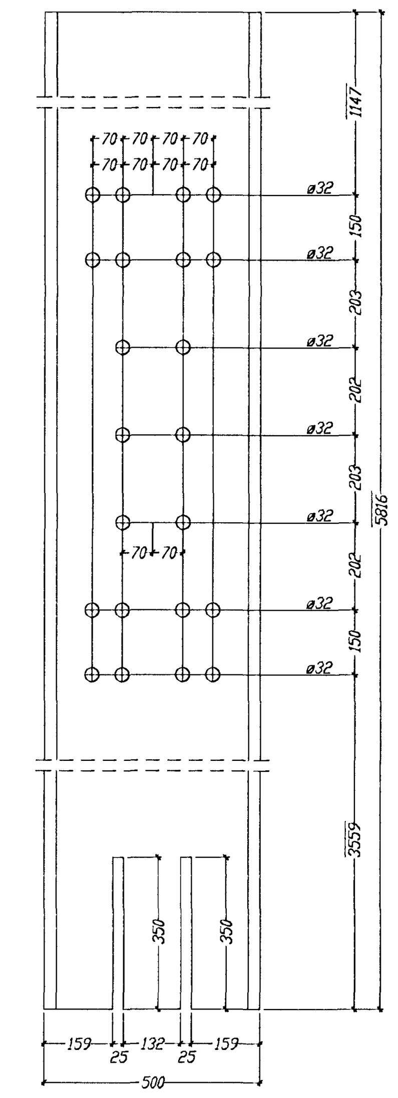

2 x Pos. 104

HEA1000 ..9985



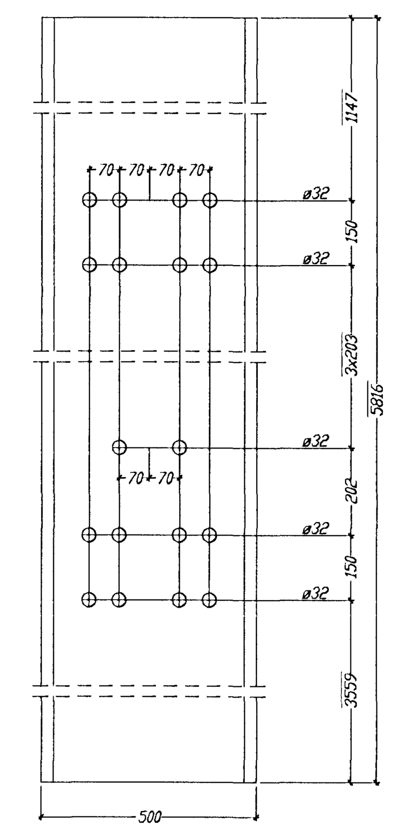

2 x Pos. 105

HEA1000 ..6472



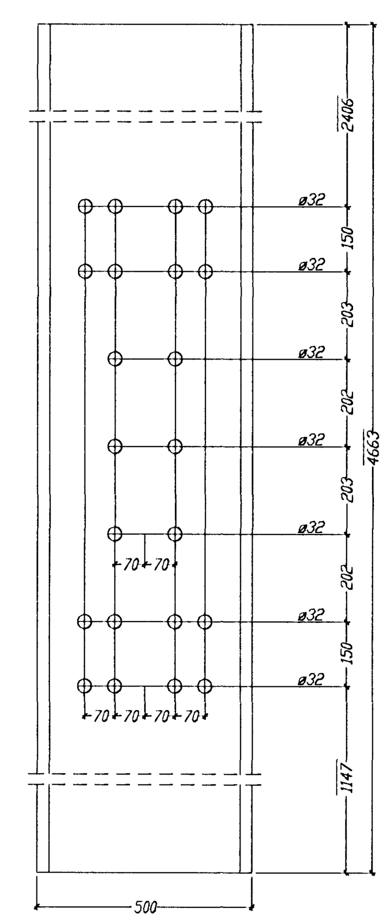

1 x Pos. 106

HEB500 - S355J2G3..5816



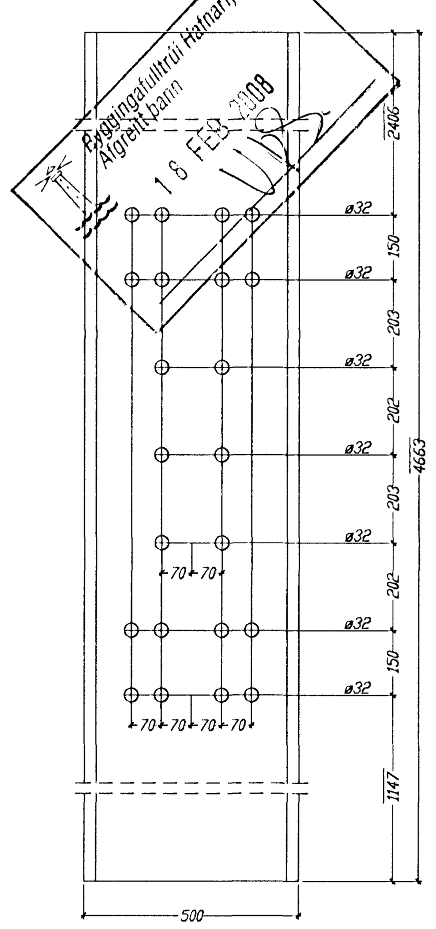

1 x Pos. 107

HEB500..5816



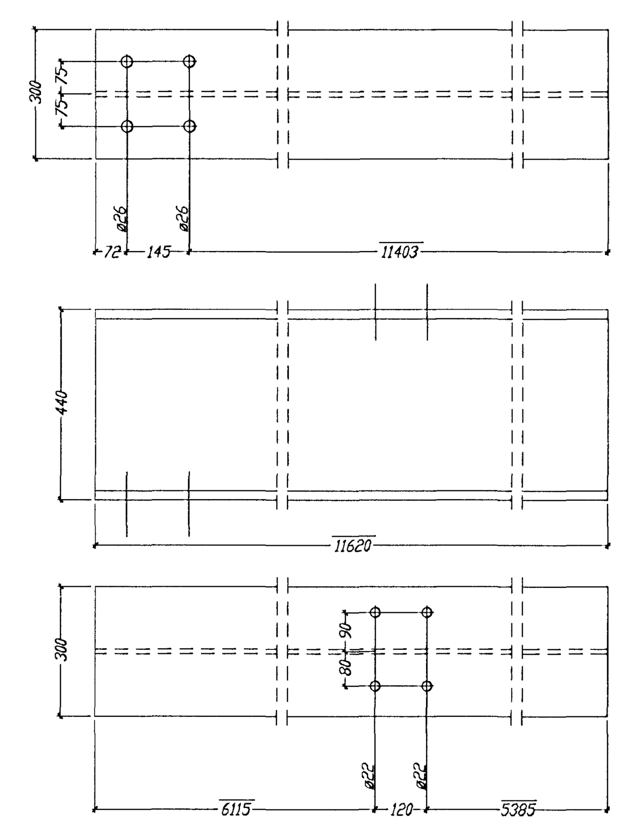

1 x Pos. 108

HEB500 - S355J2G3..4663




1 x Pos. 109

HEB500..4663

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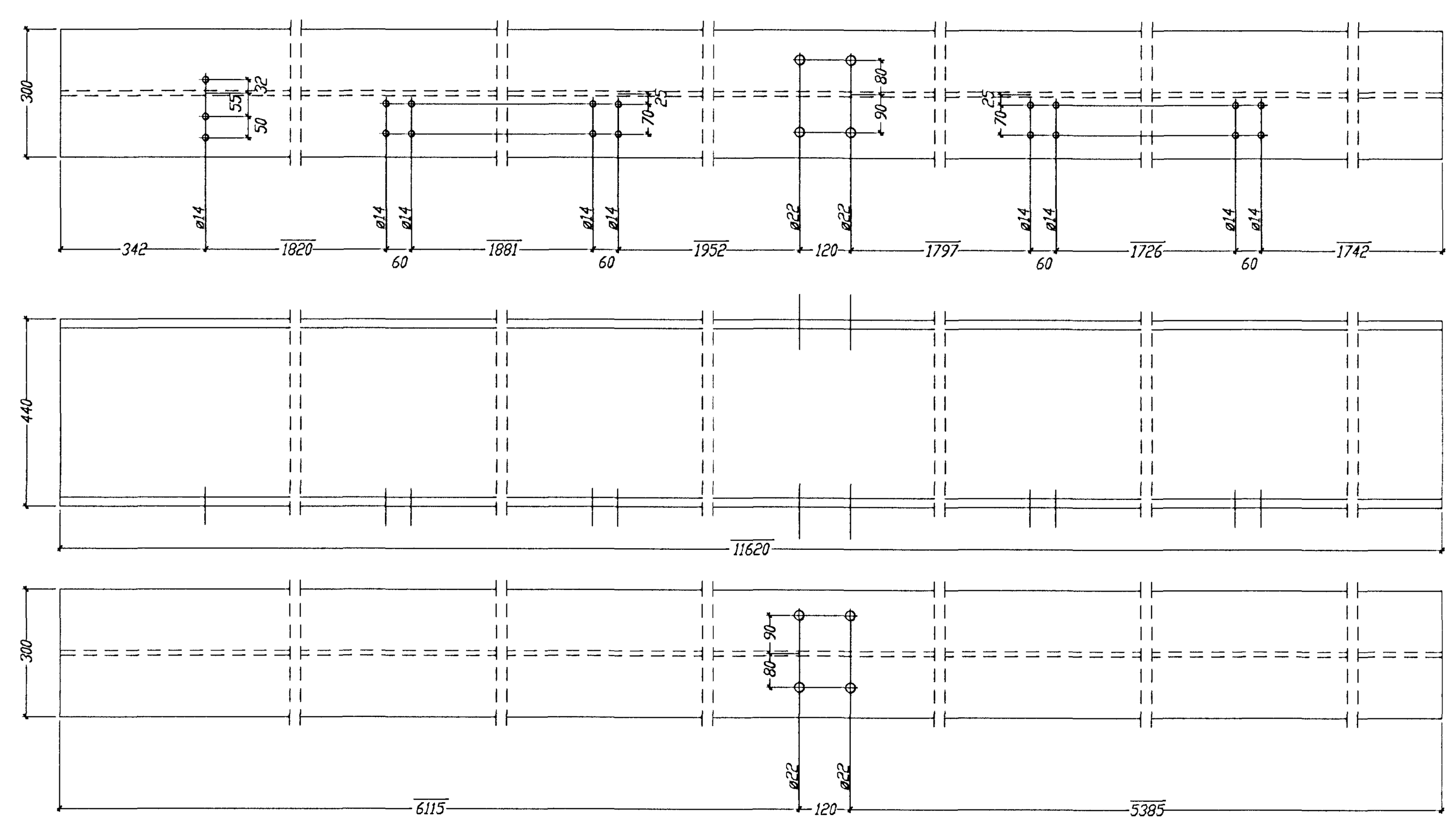
HEA450 - S355J2G3..11620




1 x Pos. 111

HEA450 - S355J2G3..11620

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: [signature] Kennitala: 130657-4439

[signature]

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 laminations

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

Prestressing of HV bolts (Class 10.9) according to

| | 1 | 2 | 3 | 4 | 5 | 6 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Bolts | Required compressing force Fv | a) Torque techniques – Manual torque wrench – Required grip rotary moment – Lubricated MoS2 [1] | Slightly oiled | b) Impulse technique – Mechanical impact wrench – Req. compressing force Fv [2] | c) Angle of rotation techniques – Required tightening torque Mv [2] | Grip length lk | | Angle of rotation pH | Rot. measure U |
| | | kN | Nm | Nm | kN | Nm | mm | | | |
| 1 | M12 | 50 | 100 | 120 | 60 | 10 | M12 to M22 | lk < 50 | 180 | 1/2 |
| 2 | M16 | 100 | 250 | 350 | 110 | 50 | | 51 < lk < 100 | 240 | 2/3 |
| 3 | M20 | 160 | 450 | 600 | 175 | | | 101 < lk < 170 | 270 | 3/4 |
| 4 | M22 | 190 | 650 | 900 | 210 | 100 | | 171 < lk < 240 | 360 | 1 |
| 5 | M24 | 220 | 800 | 1100 | 240 | | M24 to M36 | lk < 50 | 180 | 1/2 |
| 6 | M27 | 290 | 1250 | 1650 | 320 | 200 | | 51 < lk < 100 | 240 | 2/3 |
| 7 | M30 | 350 | 1650 | 2200 | 390 | | | 101 < lk < 240 | 270 | 3/4 |
| 8 | M36 | 510 | 2800 | 3800 | 560 | | | | | |

1) Due to the great dependance of the Mv value on the type of thread lubricant adhere to the bolt manufacturer's recommendations.
2) 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 INZYNIERSKIE
Marek i Janina MUCHA
Osiny, ul. Opolska 30a, 46-070 Komprachcice tel.077-46 46 757

| | DATE | NAME | SIGNATURE |
|---|---|---|---|
| Designed by | 12.06.2007 | M.Mucha | |
| Compiled by | | | |
| Verified by | | | |

| INDEX | CHANGES | DATE | NAME |
|---|---|---|---|

1:10 SCALE

Simple parts 101 - 111

DESC.

TJARNARVELLIR 11
Steel Office part

ERRAND

DRAWING NO. DRG 130

SHEET BL