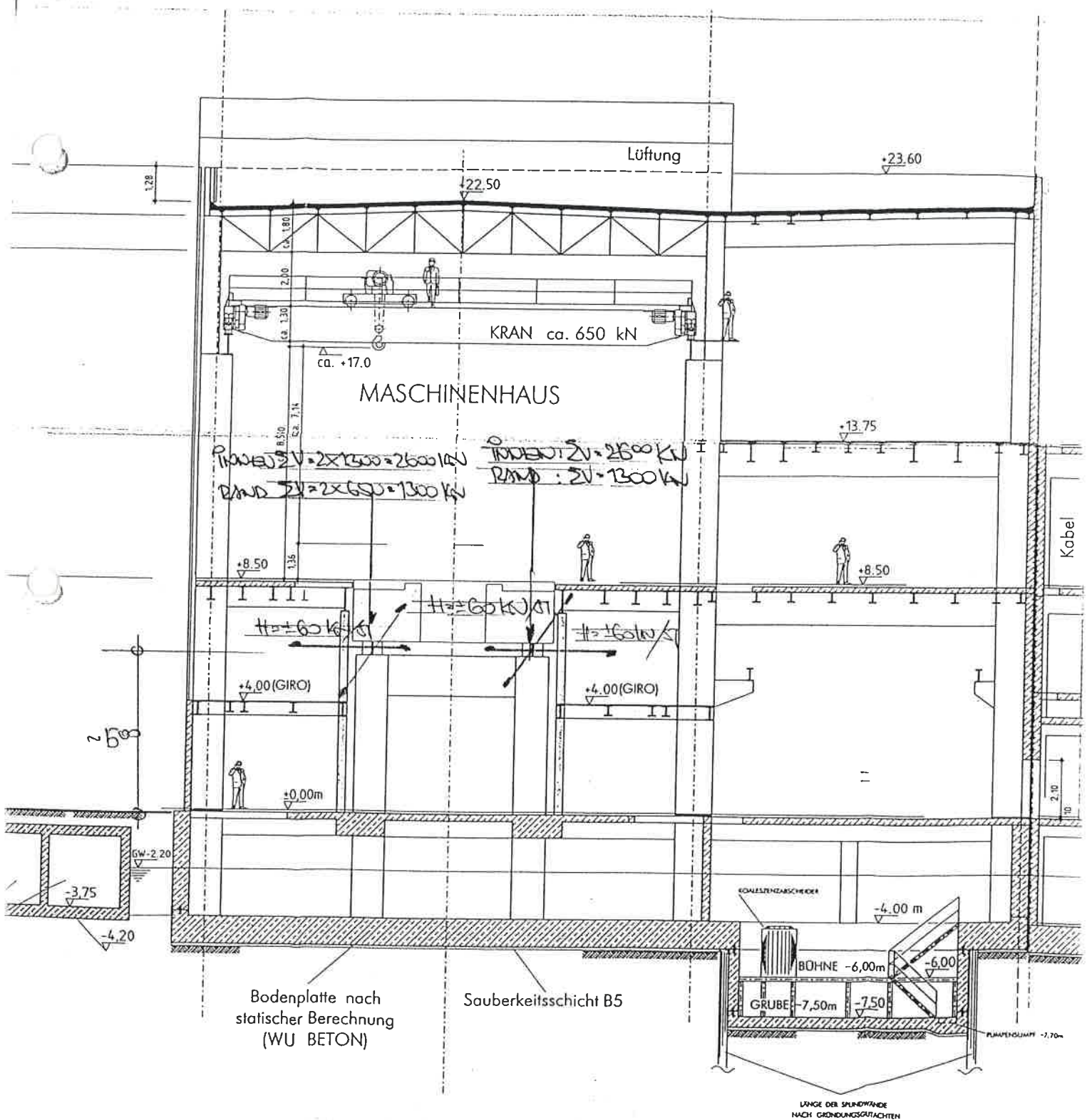
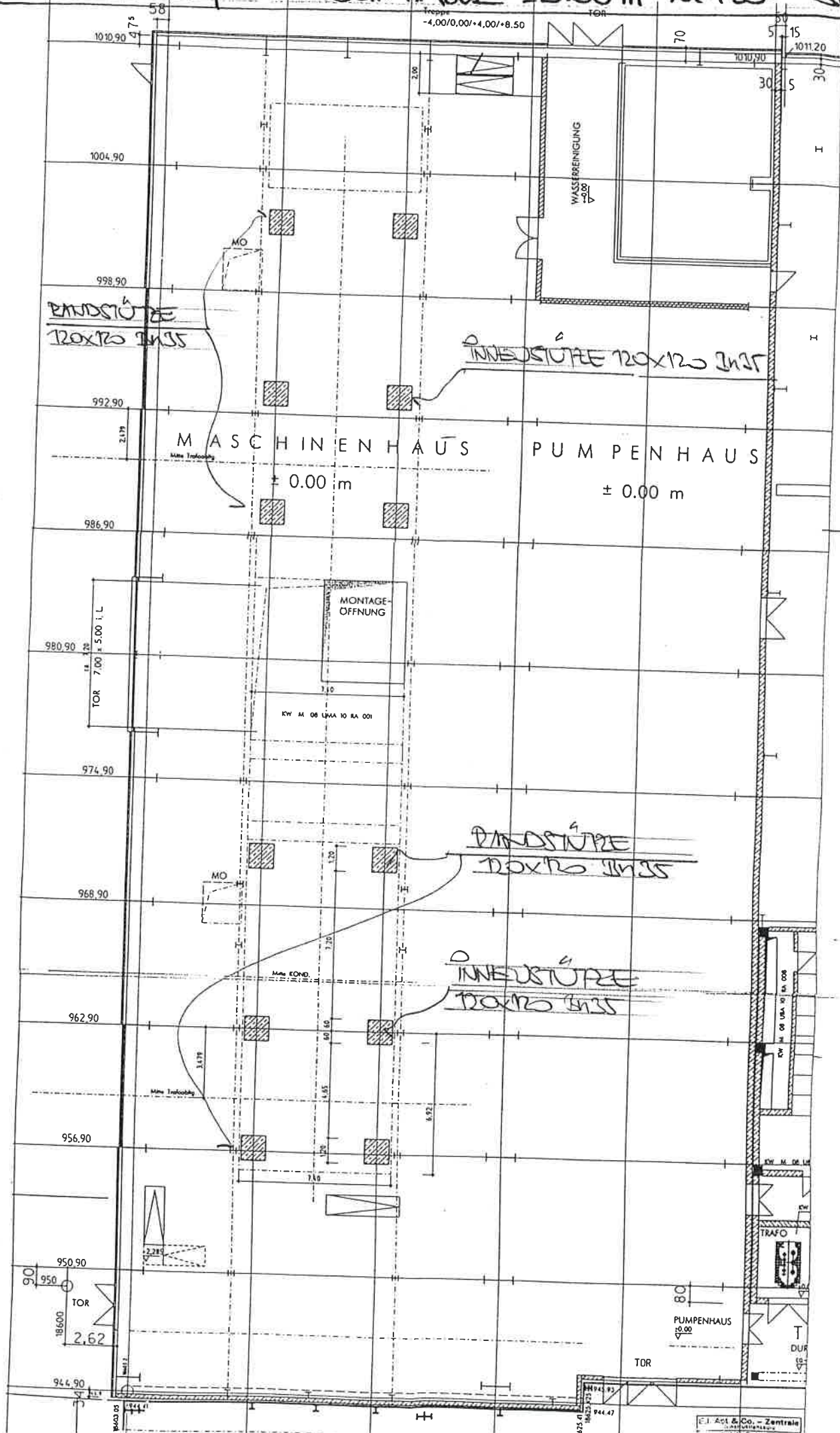


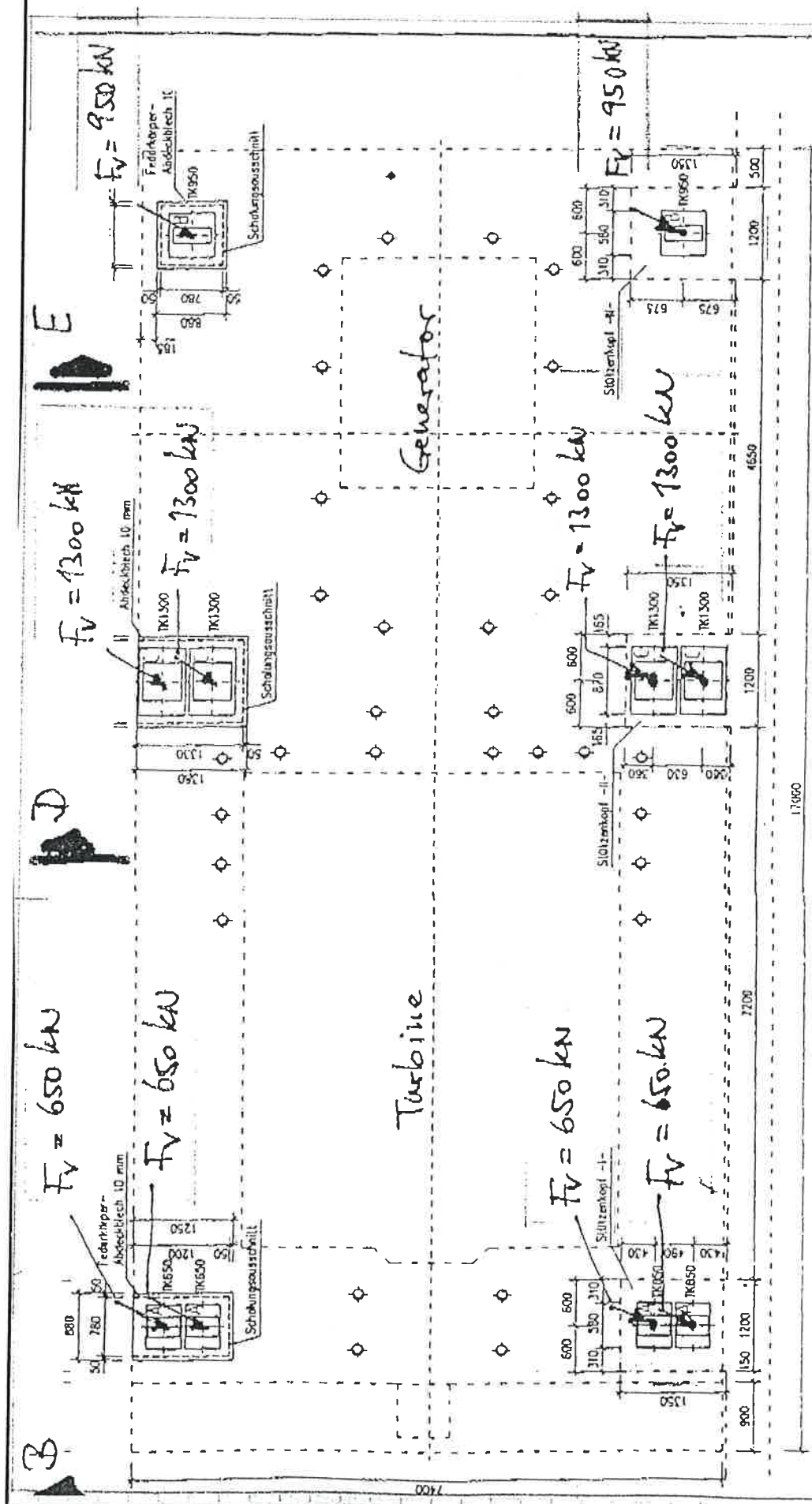
SCHNITZ

5.) STÜTZBEMESSUNG $\geq \pm 0,00$





TURBINELASTEN



$F_{horiz} = \pm 60 \text{ kN}$ je Einheit
in Längs- oder Querrichtung

Mlada Boleslav
Turbosatzfundament T888/29
Anordnung der Federkörper
Stützenkopfbelastung
Tiefens/kw0 - FTB3, Triebles, 11.10.96

BEMESSUNG DER TURBINENSTÜTZEN

INNENST: Y39+Y44/X4+X5:

$$\begin{aligned} V: \quad \Sigma N &= 2600 + 1,25^2 \times 6^{00} \times 25^{00} + 3 \times 1,25^2 \times 25^{00} \\ &= 2924 \text{ kN} \sim \underline{3000 \text{ kN}} \end{aligned}$$

$$H: \quad H = \pm \underline{60 \text{ kN} / \text{STÜTZE}} \quad M \sim 6 \times 60 = \pm \underline{360 \text{ kNm}}$$

RANDSTÜTZEN: Y38, Y40', Y43', Y44' / X4+X5:

$$\begin{aligned} V: \quad \Sigma N &= 1300 + 1,25^2 \times 6^{00} \times 25^{00} + 3 \times 1,25^2 \times 25^{00} \\ &= 1624 \text{ kN} \sim \underline{1650 \text{ kN}} \end{aligned}$$

$$H: \quad H = \pm \underline{60 \text{ kN} / \text{STÜTZE}} \quad M \sim 6 \times 60 = \pm \underline{360 \text{ kNm}}$$

ANNAHME: $SL = 2 \times L = 2 \times 600 = 1200 \text{ cm}$

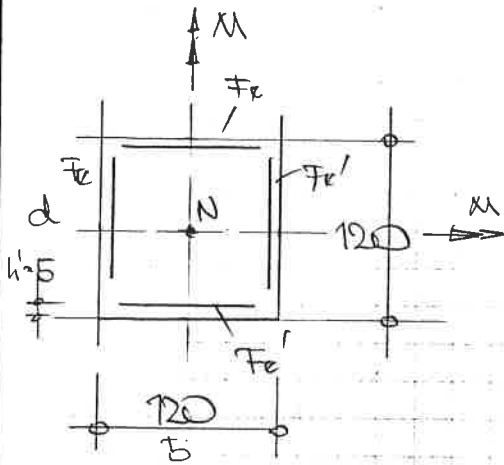
$$\lambda = \frac{L}{i} = \frac{1200}{0,289 \times 120} = \underline{34,6 < 70!}$$

Die BEMESSUNG ERFOLGT FÜR

B35 ST III (420/300) FÜR SYMMETRISCH

BEDECKTE QUERSCHNITTE FÜR

DRUCK + BIEGUNG NACH OPLADEN:



$$d = 120 \text{ mm}$$

$$b = 120 \text{ mm}$$

$$e' = 0.05 \text{ m}$$

$$\text{INNER } N = 3000 \text{ kN}$$

$$M = 360 \text{ kNm}$$

$$\text{HIND } N = 1650 \text{ kN}$$

$$M = 360 \text{ kNm}$$

3.000 GSBH

420.500 ***

35. ***

0.004 ***

0.073 ***

GSBH

M 360.000 R/S

N 1650.000 R/S

e 1.200 R/S

d 1.200 R/S

e' 0.050 R/S

0.009 ***

0.050 ***

0.367 ***

0.073 ***

0.004 ***

7.828 ***

of Fe-Fe'

GSBH

M 360.000 R/S

N 3000.000 R/S

1.200 R/S

1.200 R/S

0.050 R/S

0.009 ***

0.091 ***

0.430 ***

0.073 ***

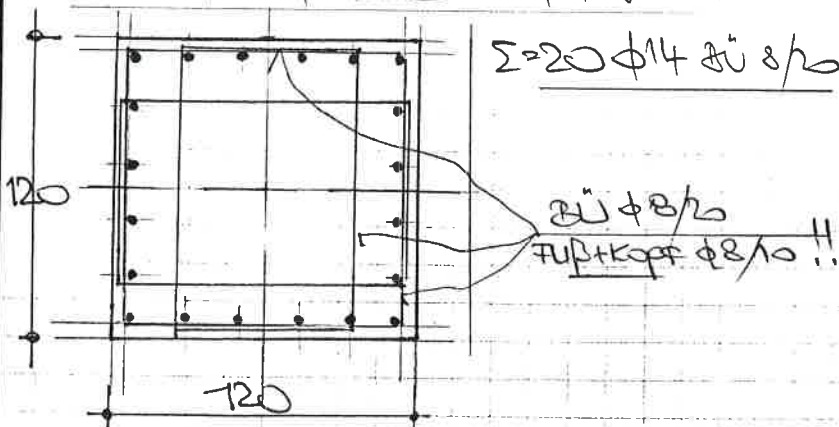
0.004 ***

12.100 ***

of Fe-Fe'

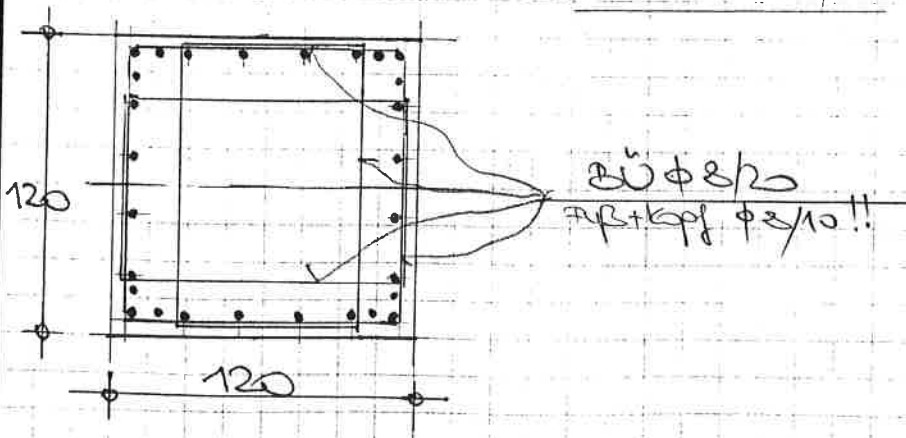
GEU: RANDSTÜTZUNG: 6φ14 JE SEITE

$$\Sigma = 20 \phi 14 \text{ BÜ } 8/2$$

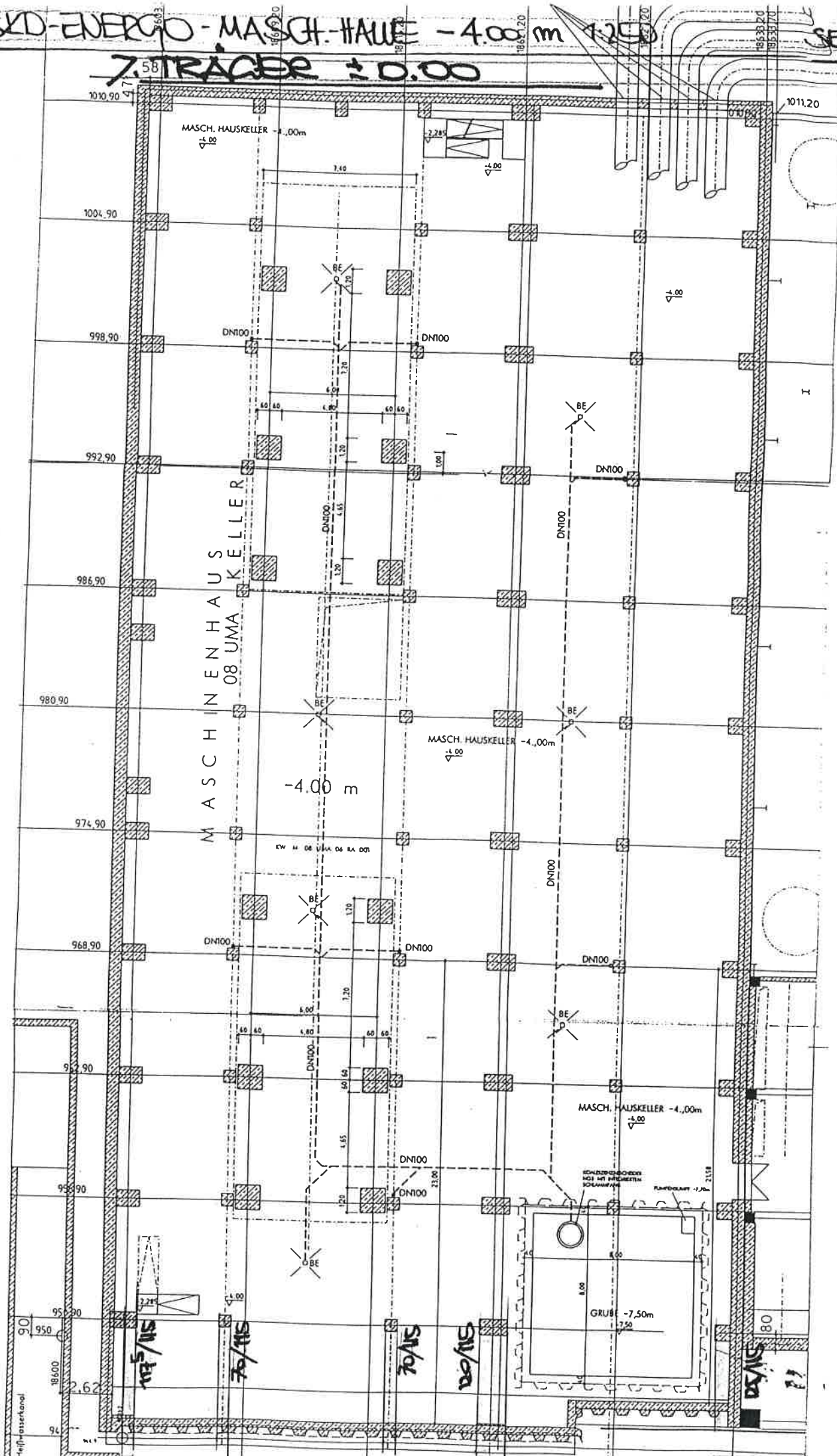
BÜ φ 8/2
FUT+KOPF φ 8/10 !!

GEU: INNENSTÜTZUNG: 8φ14 JE SEITE

$$\Sigma = 28 \phi 14 \text{ BÜ } 8/2$$

BÜ φ 8/2
FUT+KOPF φ 8/10 !!

7.58 TRACER ± 0.00



MASCHINENHAUS
08.05.2008

-4.00 m

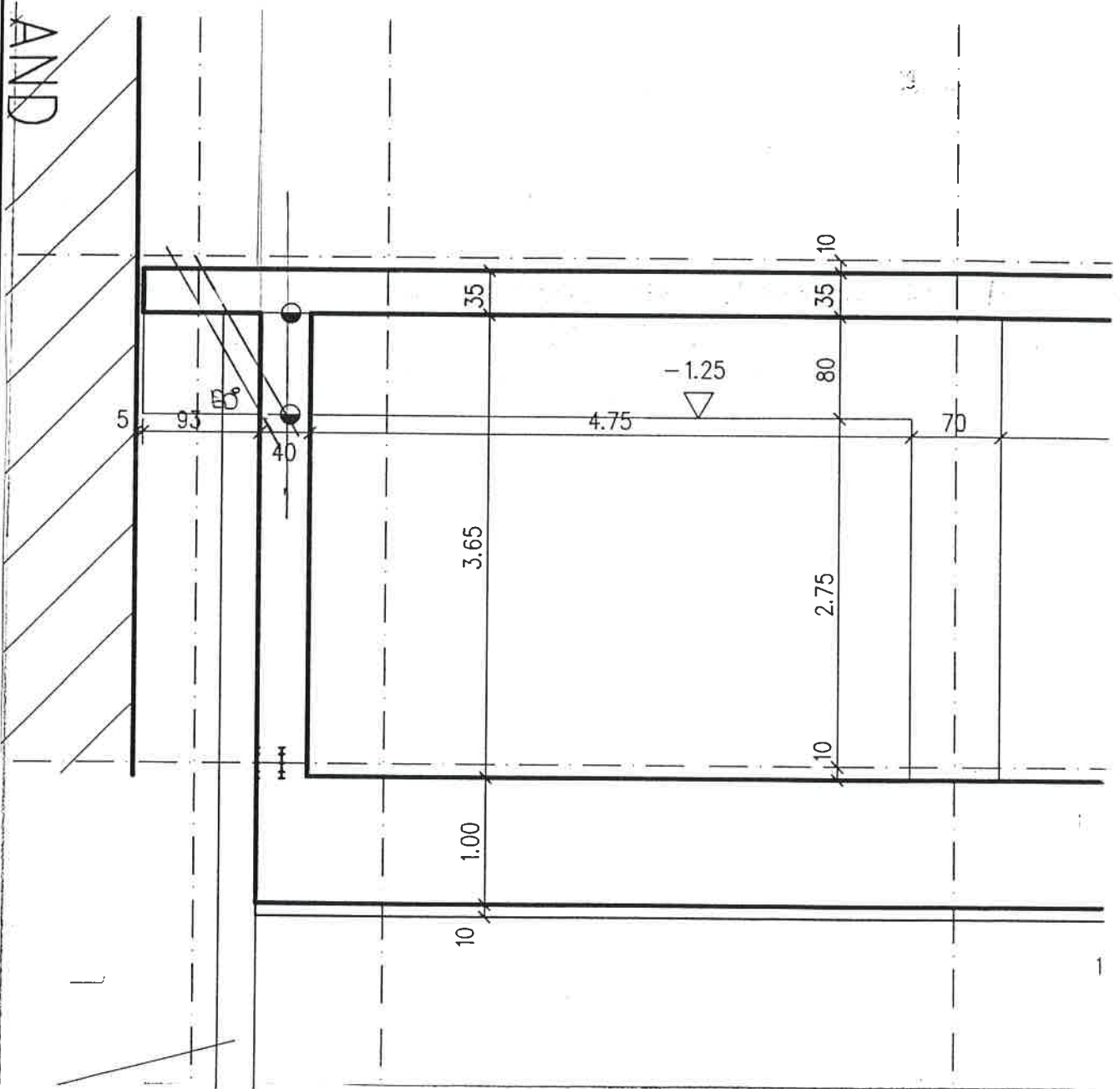
MASCH. HAUSKELLER -4,00m
-4 00

MASCH. HAUSKELLER -4.,00m
-4.00

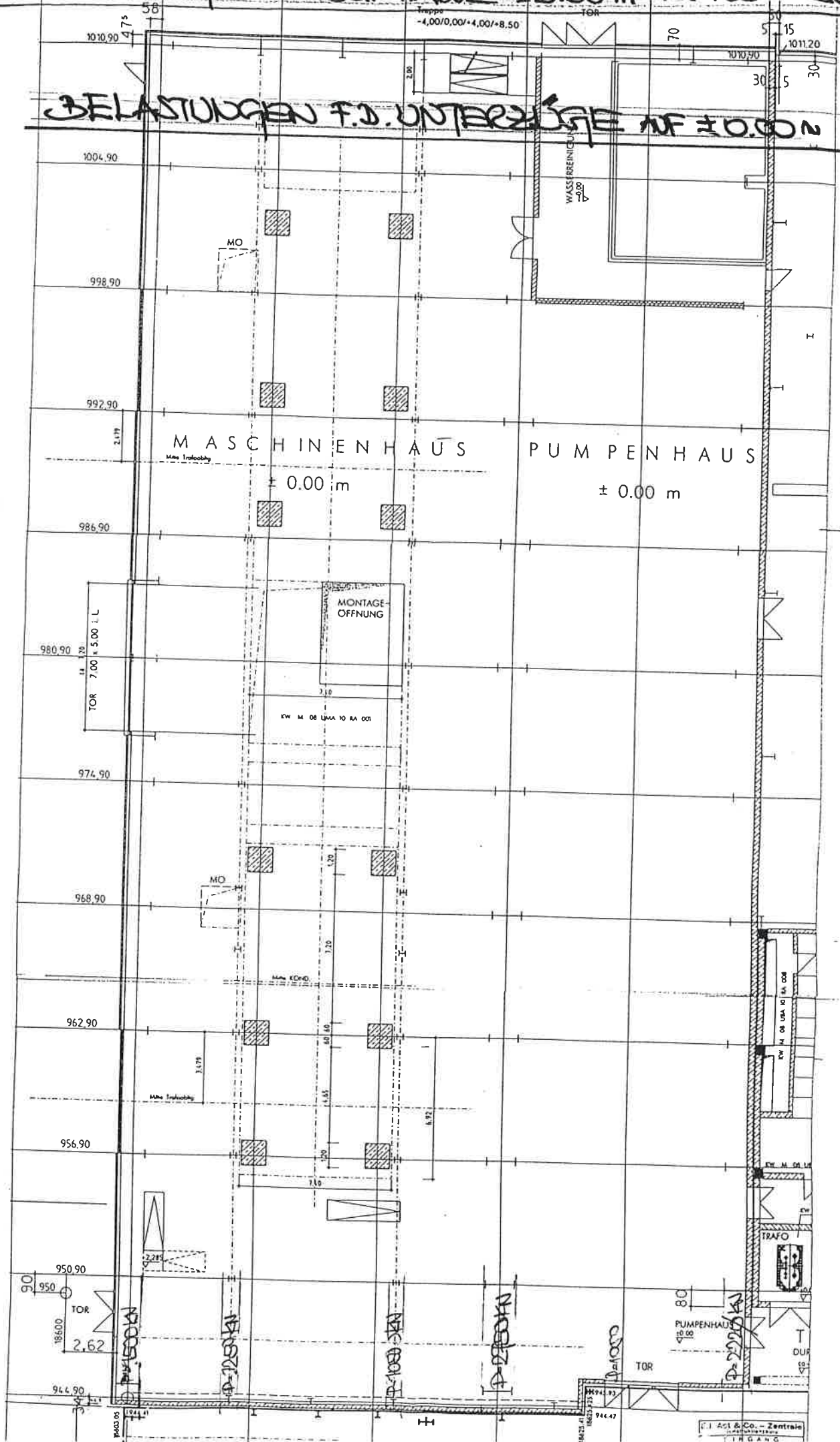
GRÜBE -7,50m

TRÄGER UND LINTERZÜGE ± 0.00

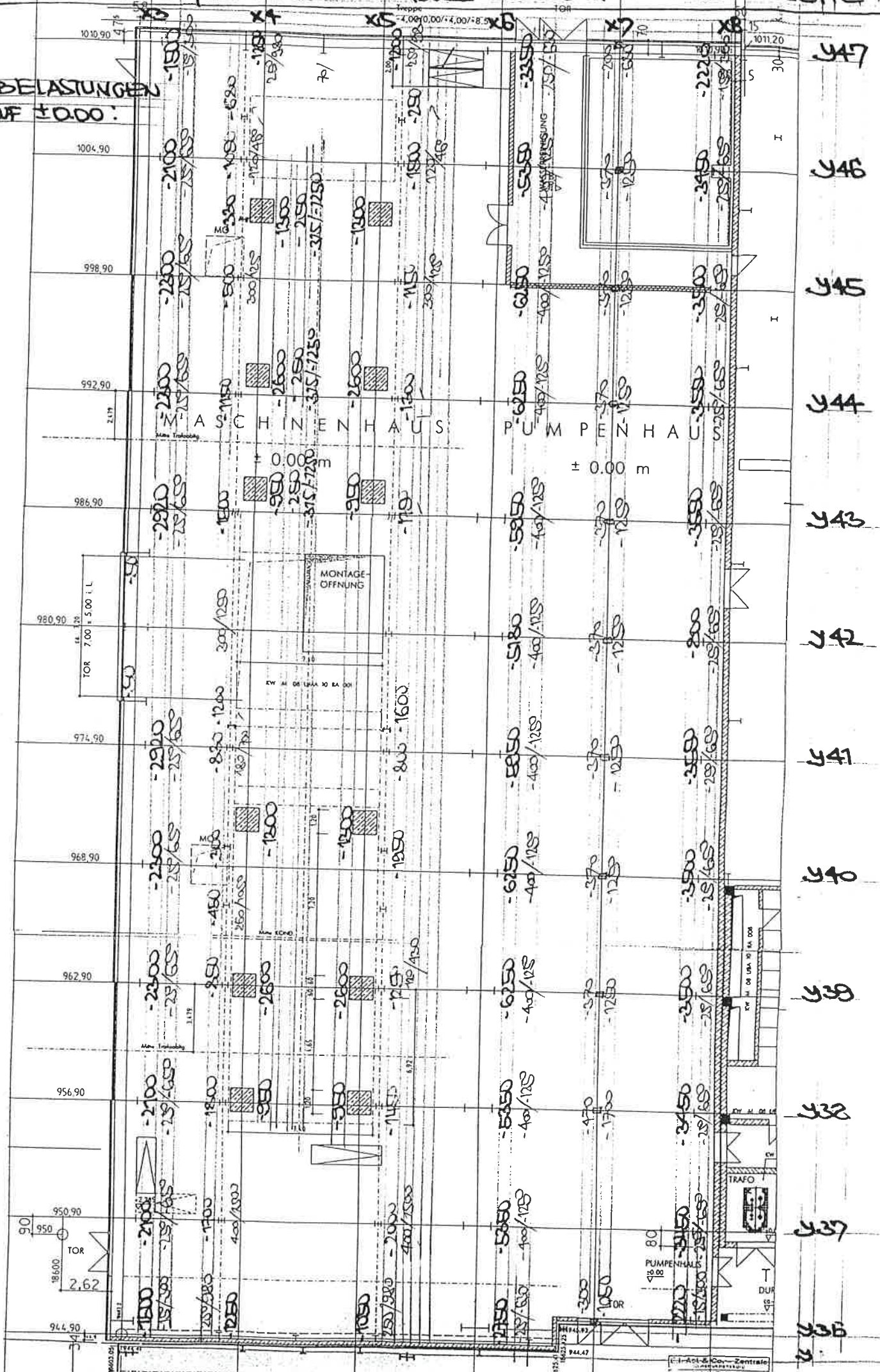
$H = 115 \text{ am}$, $B = 70 \text{ am}$, $B = 117 \text{ am}$



BELASTUNGEN F.D. UNTERKRIEGE AUF ±0.00m



5) BELASTUNGEN
MF ±0.00:



TRÄGERBEMESSUNG B300

TRÄGER X6 / Y35-Y37

DER GROSSTEIL D. LASTEN WIRD ZUGELAGT IN D. UNTER ABSTETZ.

SÜBRANOM:

$$\text{erwart. } \sim D.S. \times 2750 = 1375 \text{ kVW}$$

BEMESSUNG B135 STIII

3.000 GSB

35. ***

3. ***

1.200 R/S

1.150 R/S

0.030 R/S

1.120 ***

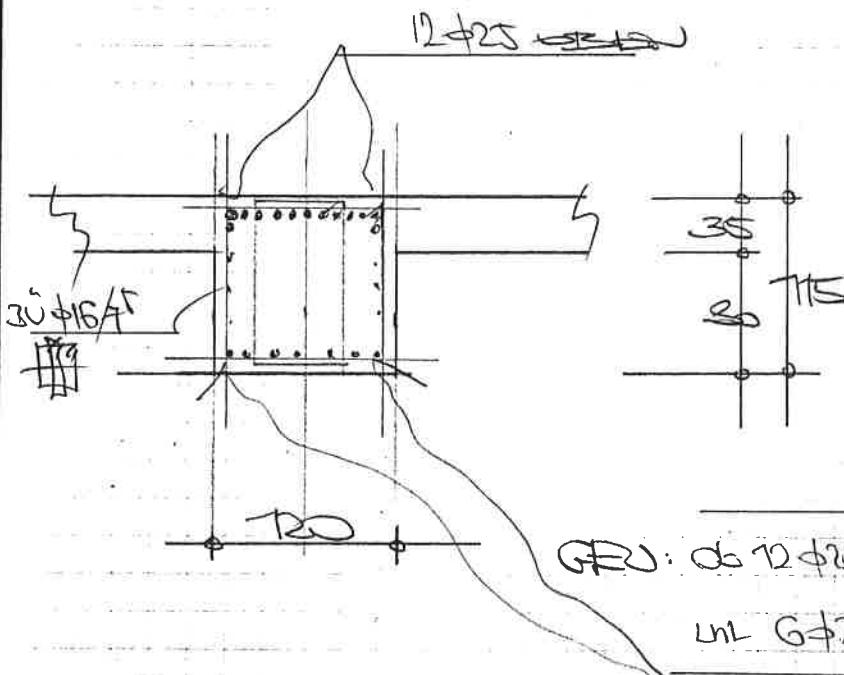
1375.000 R/S

0.040 ***

0.185 ***

1.050 ***

54.585 $\frac{2}{\text{m}^2}$



$$Q = 2750 \text{ kV}$$

$$f_{ed} = \frac{2750}{1.25 \times 10^4} = 2182.54 \text{ W/m}^2 < f_{ed}^{335} = 2400 \text{ W/m}^2$$

$$\sigma_{f_{ed}} = D.S. \times 120 = 1020 \text{ W/m}$$

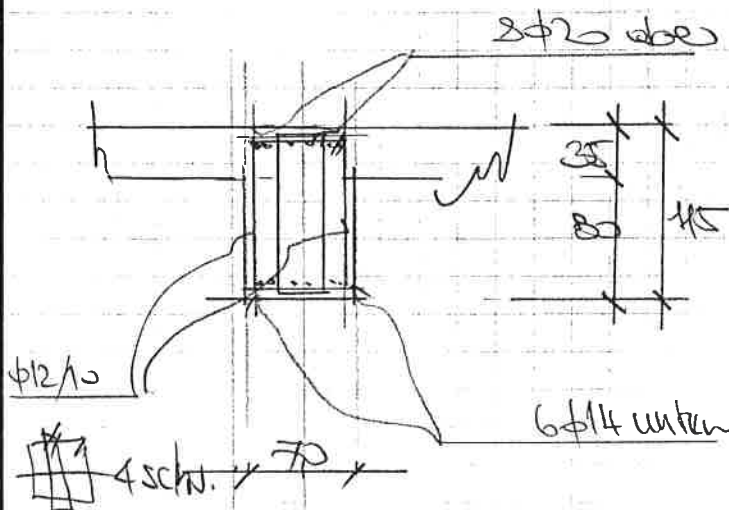
ES WIRD UNANGENÜGEND DIE VORGE
SCHUBBEWERTUNG DURCHGEFÜHRT

GERÜ: 8φ16/75 - 4-SCHNITT ?

TRÄGERBEMESSUNG X4+X5/385-437

STÜRMOM.: $\text{min } M_{0y} = D.S. \times 1250 = 625 \text{ kNm}$

BEMESSUNG BN 35 ST III



35. ***
3. ***

0.700 R/S
1.150 R/S
0.030 R/S
1.120 ***

625.000 R/S

0.031 ***

0.153 ***
1.056 ***

24.651 σ_{st}^2

CEW: ob 2φ20

unt 6φ14

SCHUB: $\tau_v = \frac{1250}{0.70 \times 7.06} = 1624.64 \text{ N/mm} < \tau_{02} = 2400 \text{ N/mm}^2$

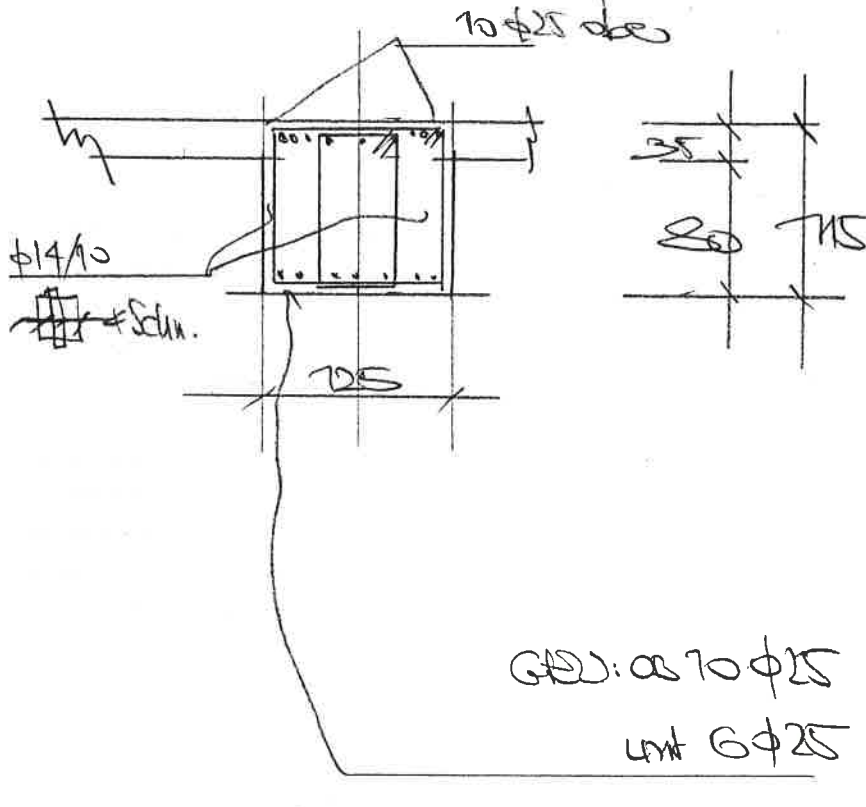
$\sigma_{f_{st}} = D.S. \times 70 = 3710 \text{ N/mm}^2$

CEW: 2φ12/10 4-sch. $\sigma_{st} = 45.6 \text{ N/mm}^2$

TRÄGERBEMESSUNG X3+X8/Y36+Y37

$$\text{min Net} \approx 0.8 \times 220 = 110 \text{ kN}$$

BEMESSUNG IN 35 ST III



3.030 GSEB

33. ***

3. ***

1.250 R/S

1.150 R/S

0.030 R/S

1.120 ***

1110.000 R/S

0.031 ***

0.152 ***

1.056 ***

43.793 ***

SCHUB:

$$I_0 = \frac{2200}{1.25 \times 1.06} = 1675.47 \text{ cm}^2 < I_{02} = 2400 \text{ cm}^2$$

 $\frac{2}{3} f_{ct}$

$$= 0.8 \times 125 = 620 \text{ cm}^2$$

$$\text{GEB: } \phi 24/10 \text{ Schw.} = 61.60 \text{ cm}^2$$