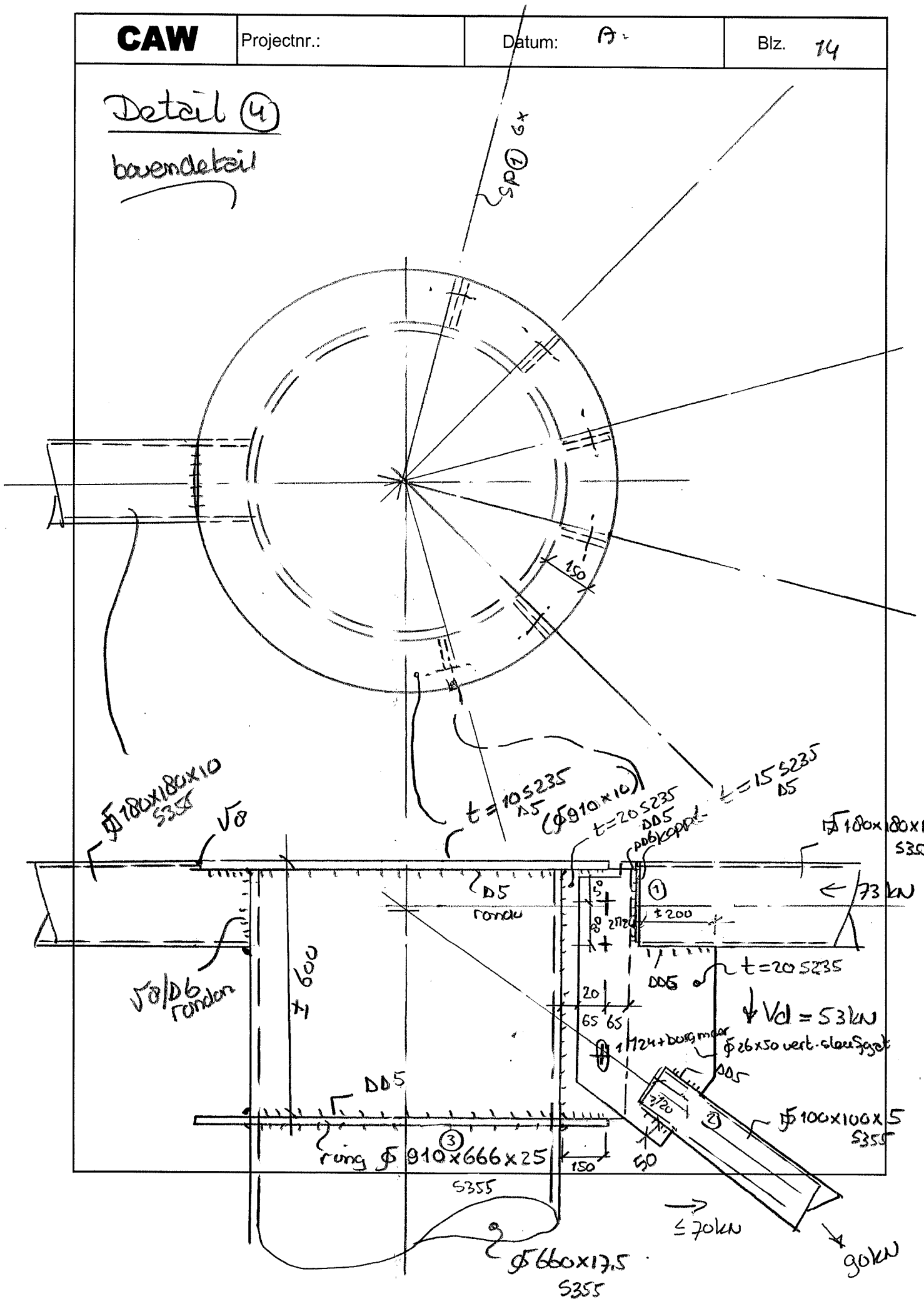
CAW	Projectnr.:	Datum:	Blz. 14

Detail ④

bovendetail



CAW	Projectnr.:	Datum: A:	Blz. 15

①: M24-8.8

V: $uc = \frac{53}{2 \times 135,5} = 0,196$

$t = 20$ S235 ↔ ⌀ 180x180x10 S235

DDS) $\overset{20}{6}$VV6

DDS $uc = \frac{53 \times 100}{180 \times 2 \times 5 \times 200} = 0,015$

②: M24-8.8 in verticaal slobgat ⌀26x50

H: $uc = \frac{70}{135,5} = 0,517$

laslengte $t = 20$ S235 ↔ ⌀ 100x100x5 S355

$t=5$: S355 $uc = \frac{3/2 \times \sqrt{3} \times 90 \cdot 10^3}{4 \times 5 \times 120 \times 355} = 0,275$

DDS: $uc = \frac{90 \cdot 10^3}{4 \times 120 \times 5 \times 207} = 0,182$

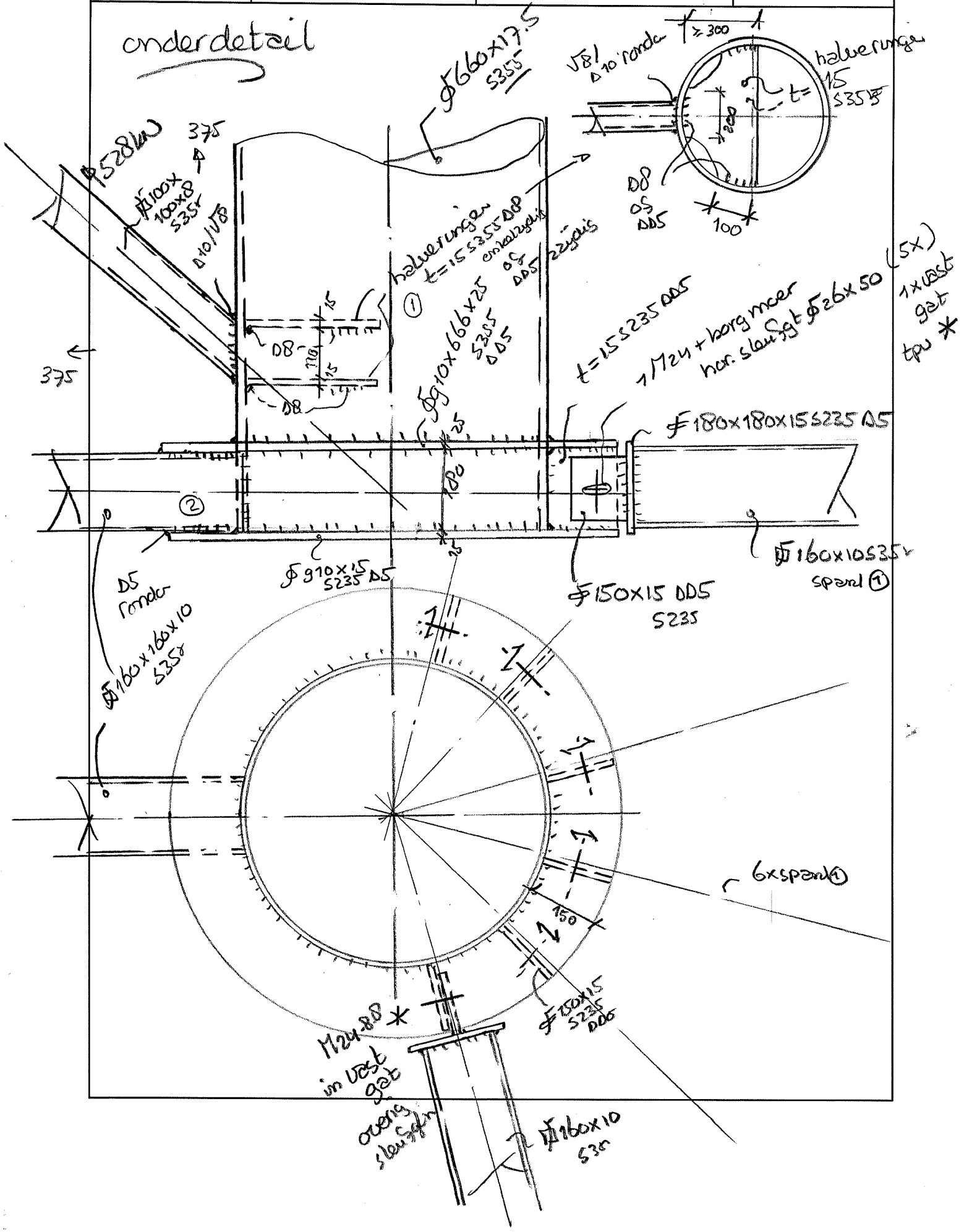
Ring ⌀910 - 666 x 25 S355

$Md \cong 1/8 \times 4 \times 70 \times (150 + 660) \cdot 10^{-3} = 28,4 kNm$

$uc = \frac{28,4 \cdot 10^6}{1/6 \times 25 \times 150^2 \times 355} = 0,854$

invloed buis wand
niet meegenomen

CAW	Projectnr.:	Datum: A=	Blz. 16



① : halve ringen $t = 15$ S355

$$uc = \frac{1/4 \times 375 \times 0{,}66 \cdot 10^6}{2 \times 1/6 \times 15 \times 300^2 \times 355} = 0{,}388$$

$\Delta 8$: (200) $uc = \dfrac{375 \cdot 10^3}{(3/2 \times 17{,}5 + 100 + 3/2 \times 17{,}5) \times 2 \times 8 \times 260} = 0{,}592$

$\Delta 8$ (100) $uc = \dfrac{375 \cdot 10^3}{4 \times 100 \times 8 \times 260} = 0{,}451$

② $\Delta\Delta 5$ $uc = \dfrac{375 \cdot 10^3}{6 \times 150 \times 5 \times 207} = 0{,}403$

ring "boven" Φ 910 x 666 x 25 S355

$Md \hat{=} 1/8 \times \frac{375}{2} \times 0{,}81 \cdot = 19$ kN

$$uc = \frac{19 \cdot 10^6}{1/6 \times 150^2 \times 25 \times 355} = 0{,}571$$