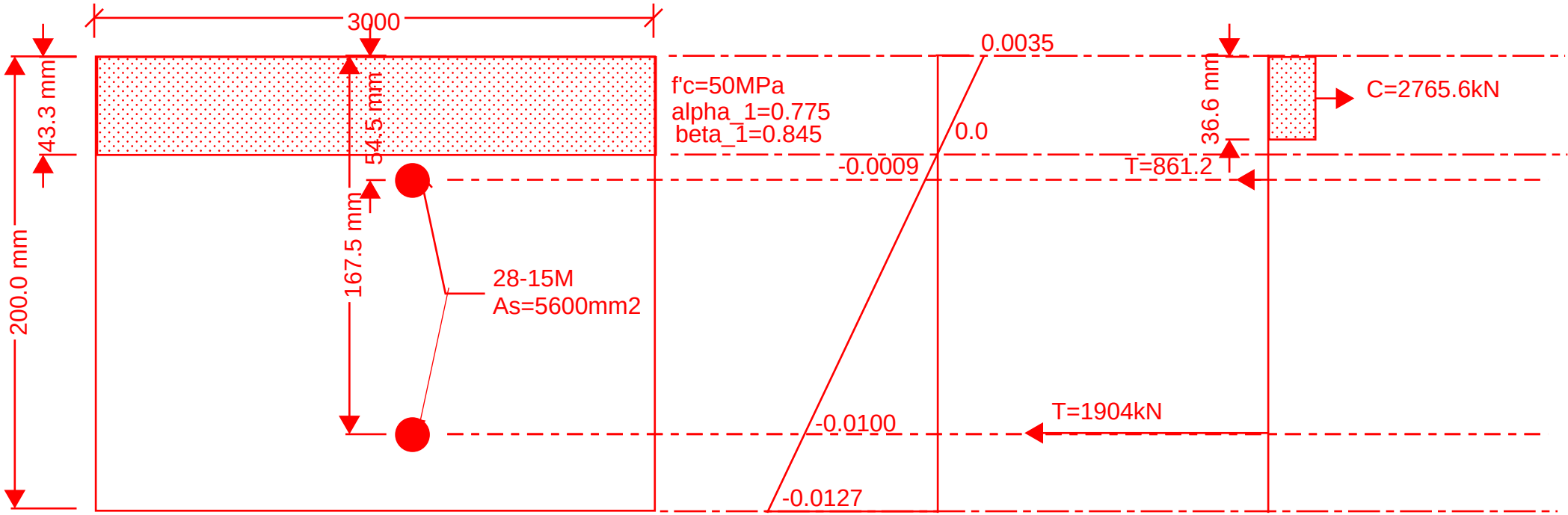


My Logic Icr: $I_x = \frac{bh^3}{12} + Ad^2$

Sum=2765-861-1904~0kN Good

Mr=2765kN(167.5-36.6/2)-861kN(167.5-54.5)=

Mr=315.2kNm > Mf Good

Icr=$\frac{3000*43.3^3}{12}$ + 3000*43.3*(43.3/2)^2 + 5600*(54.5-43.3)^2 + 5600*(167+.5-43.3)^2

Icr=168 270 000 mm4

From CSA 23.3-14 on page 6-5 (Table 6.2) Icr:

n=6.2 B=0.0864 r=0.8389

kd=52.1mm

Icr=604 400 000 mm4

52.1mm=kd =/= c=43.3mm???