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Design:	P412618_51.0700.04 Condensate Pit Wall Embed PI	Date:	21/03/2024
Fastening point:	Condensate Pit walls		

1.1.1 Load combination

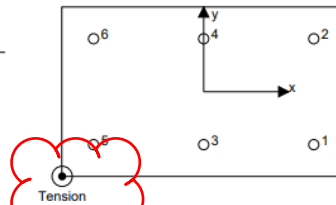
Case	Description	Forces [kN] / Moments [kNm]	Seismic	Fire	Max. Util. Anchor [%]
1	Combination 1	N = 45.650; V _x = 43.600; V _y = 5.090; M _x = 0.000; M _y = 0.000; M _z = 0.000;	no	no	28

1.2 Load case/Resulting anchor forces

Anchor reactions [kN]

Tension force: (+Tension, -Compression)

Anchor	Tension force	Shear force	Shear force x	Shear force y
1	9.468	7.303	7.250	0.880
2	9.503	7.298	7.251	0.829
3	6.726	7.350	7.303	0.830
4	6.726	7.354	7.305	0.844
5	9.388	7.308	7.245	0.957
6	9.425	7.284	7.246	0.751



resulting tension force in (x/y)=(0.8/0.2): 51.237 [kN]
resulting compression force in (x/y)=(0.0/0.0): 0.000 [kN]

Why does the tension move here?

Anchor forces are calculated based on a component-based Finite Element Method (CBFEM)