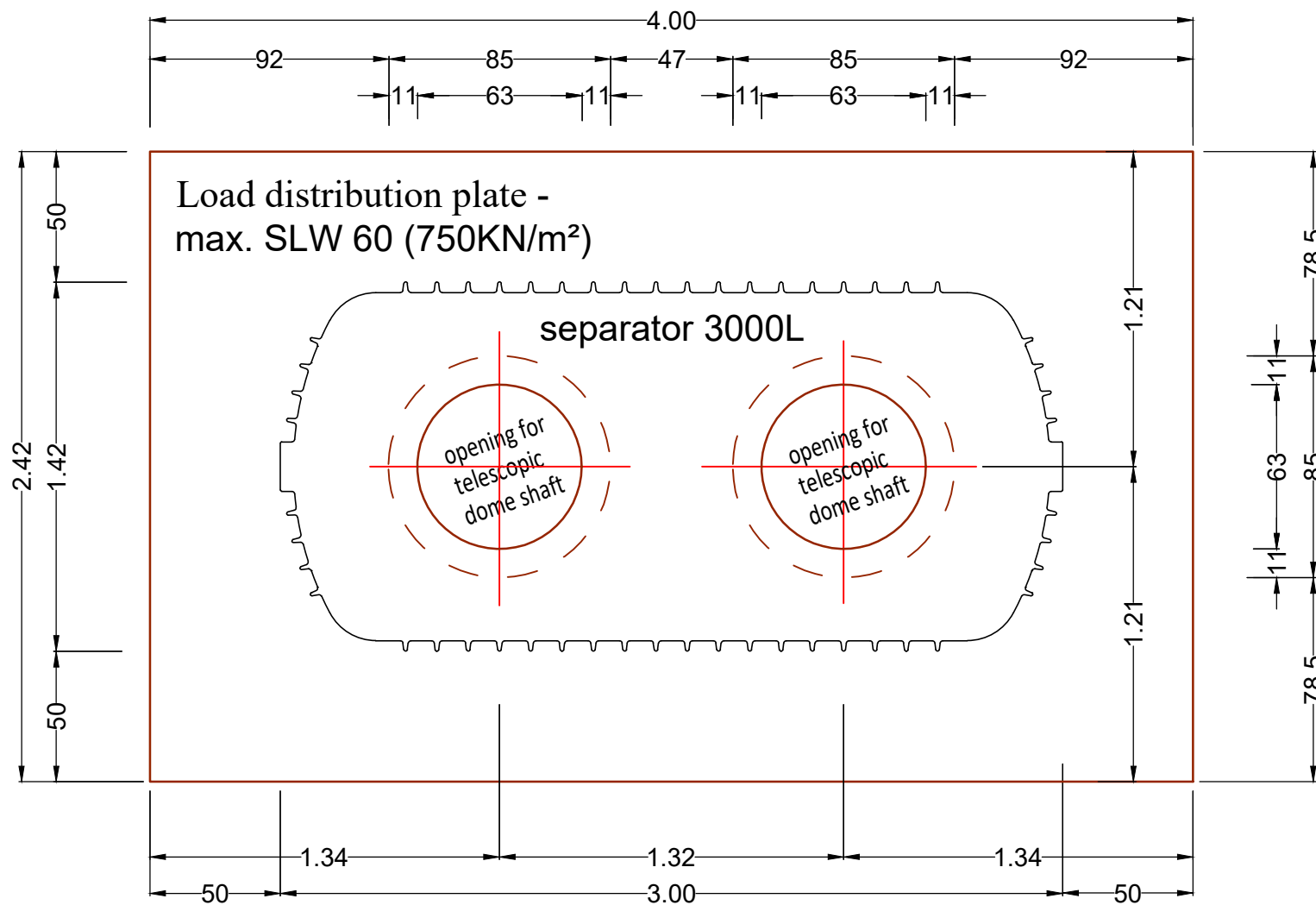
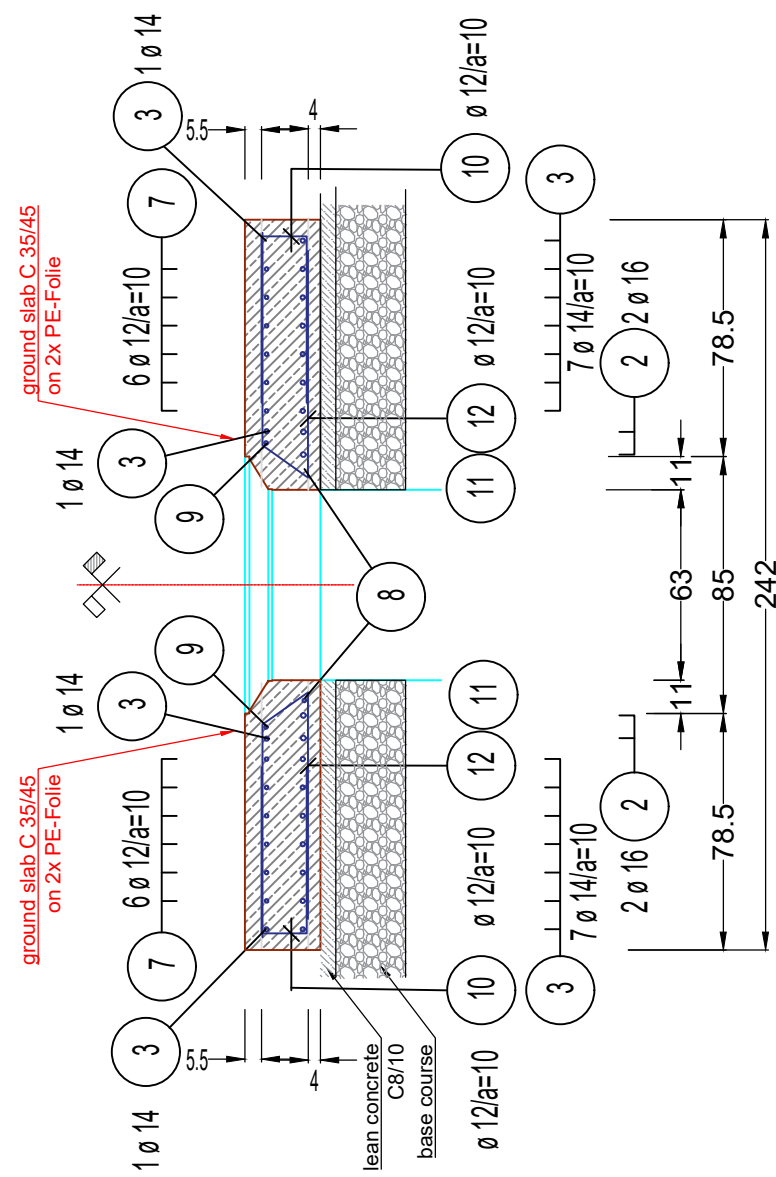
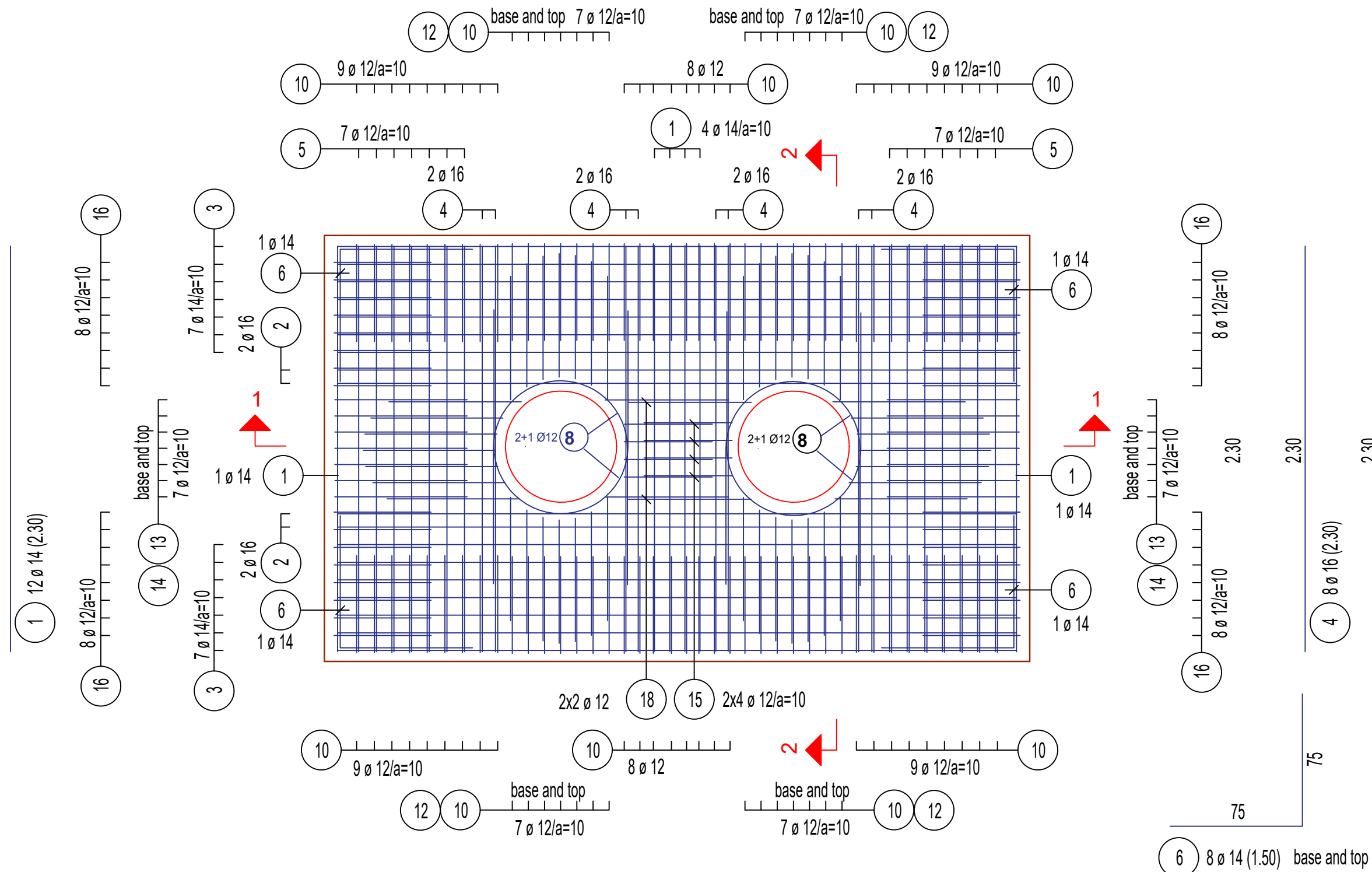


layout ground slab thickness = 25cm
ground slab C 35/45 on 2 x foil



upper reinforcement layout



section 2-2

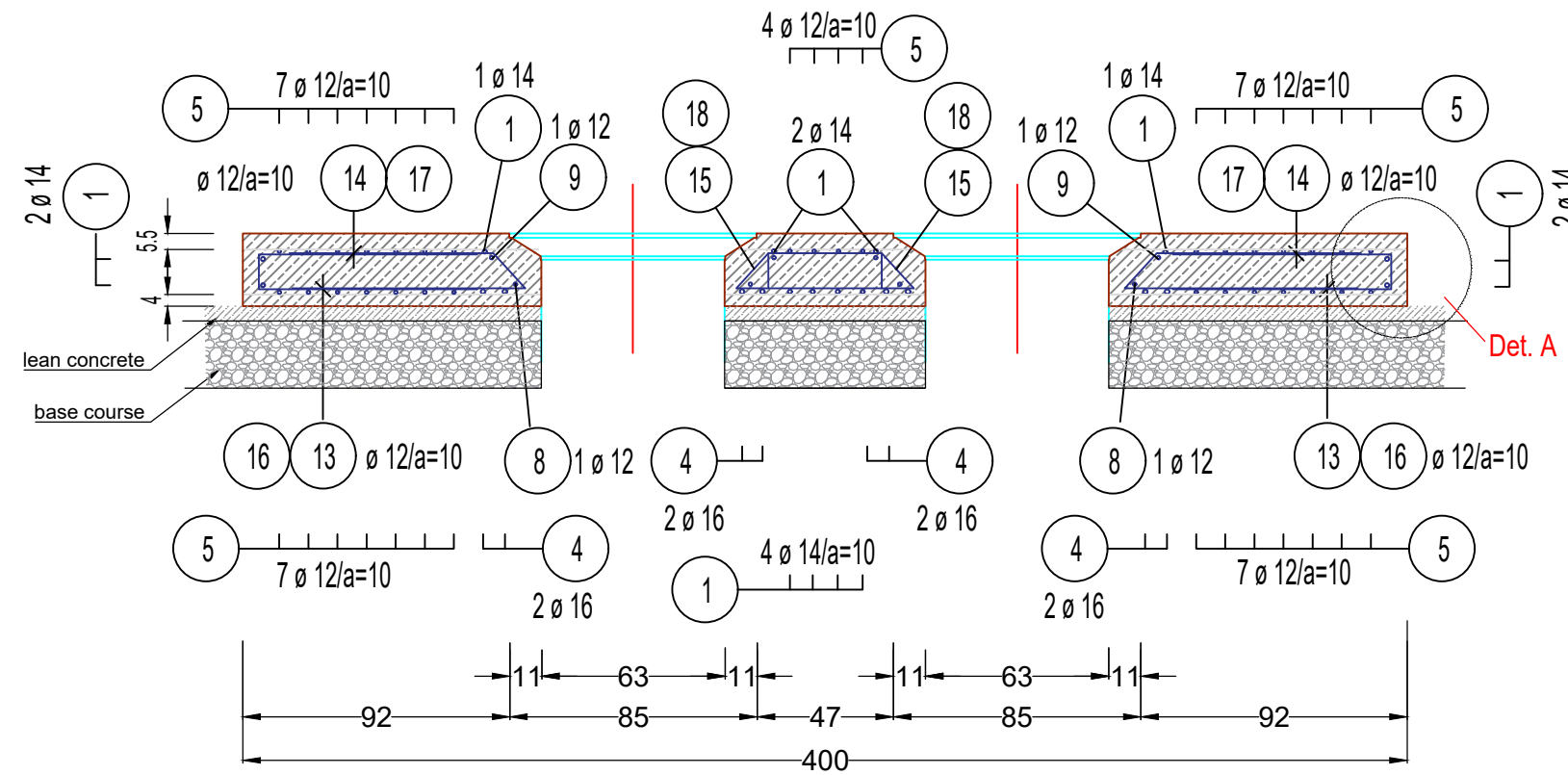
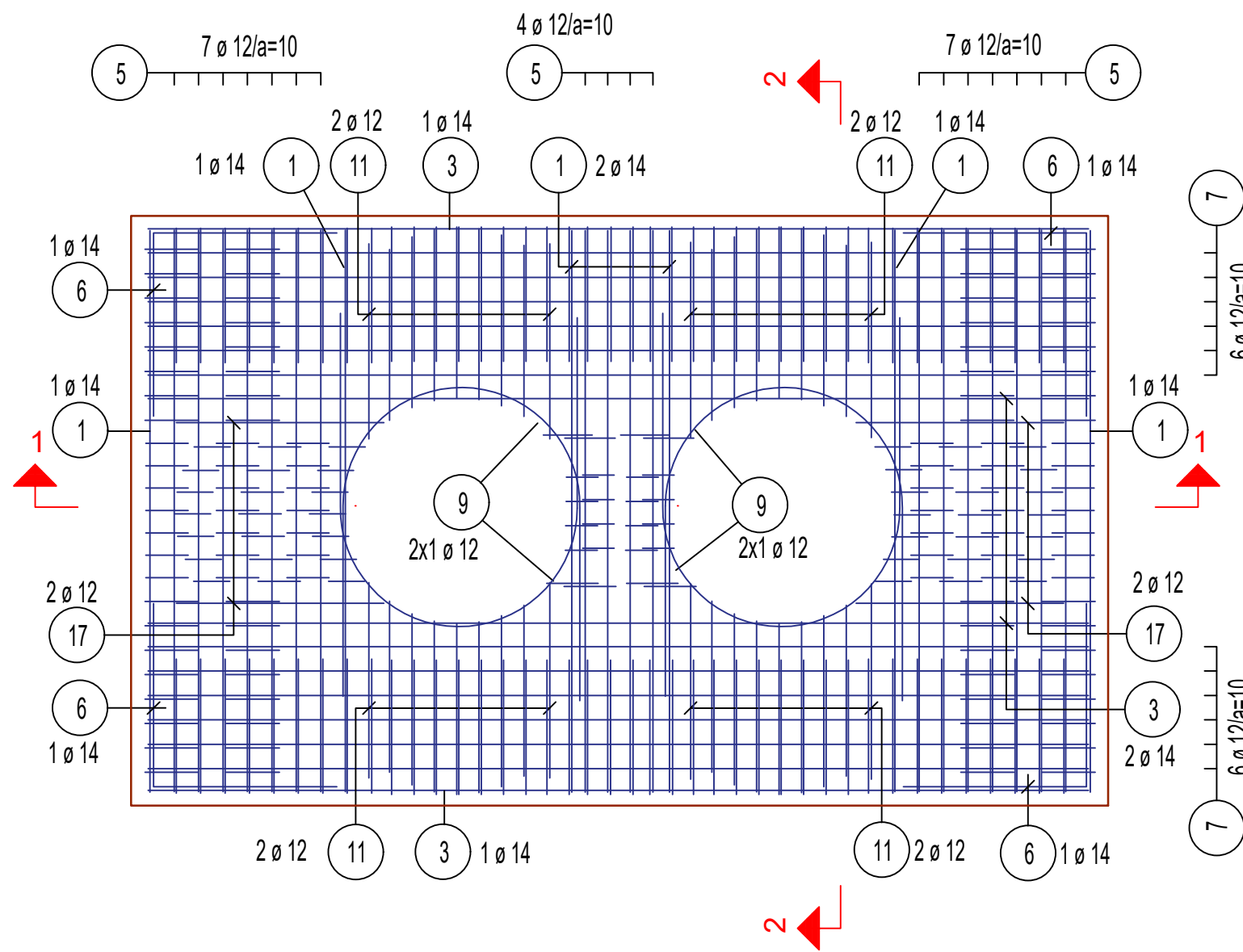
rebar (DIN 488):
round steel: B500B,
construction steel mats: B500A

Rebar - BOM BST - 500 S					
position	piece	Ø	length m	weight kg	TL m
1	12	14	2,300	2,783	27,60
2	4	16	3,850	6,083	15,40
3	18	14	3,850	4,658	69,30
4	8	16	2,300	3,634	18,40
5	32	12	2,300	2,042	73,60
6	8	14	1,500	1,815	12,00
7	12	12	3,850	3,419	46,20
8	4	12	2,750	2,442	11,00
9	4	12	3,100	2,753	12,40
10	80	12	1,250	1,110	100,00
11	8	12	1,690	1,501	13,52
12	28	12	1,640	1,456	45,92
13	14	12	1,620	1,439	22,68
14	14	12	1,660	1,474	23,24
15	12	12	1,410	1,252	16,92
16	32	12	1,220	1,083	39,04
17	4	12	1,710	1,518	6,84
18	8	12	1,460	1,296	11,68

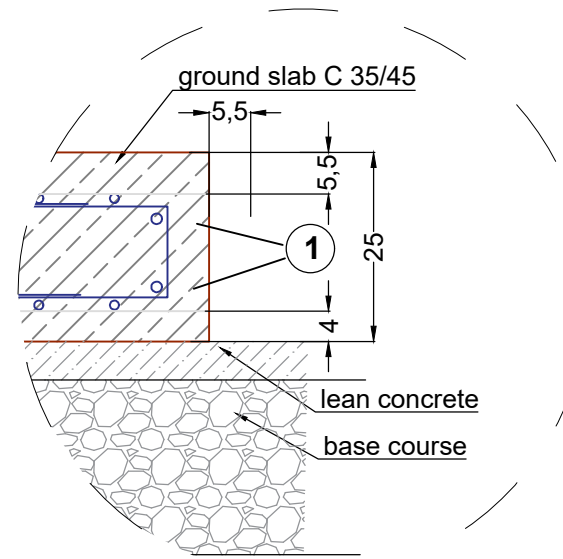
Total amount (rebar - 500 s)				
12	0,888 kg/m	423,04 m	375,66 kg	
14	1,21 kg/m	108,90 m	131,77 kg	
16	1,58 kg/m	33,80 m	53,40 kg	
total weight			560,83 kg	

Required soil characteristics:
- Soil group 1, specific weight 20KN/m³, friction angle 35°
- Modul of subgrade as a rigid number: 23MPa=23000 KN/m²

lower reinforcement layout



section 1-1



Detail A M 1:10

Concrete (DIN EN 206-1/1045-2) Concrete joints produce rough			
component	exposure class	compressive strength	concrete cover
lean concrete	XC0, W0	C 8 / 10	--
ground slab	XC4, XD3, XF4, XM2, WA	C 40 / 50	below 4cm - on top 5,5cm lateral 5,5 cm

Depending on requirements, additional surface protection or the use of concrete additive is required. This needs to be checked by the construction management on site!

The ground slab has to be installed on a homogenous compacted ground. The ground has to be able to take a load. Underneath the ground slab a subbase (lean concrete) of 5 cm has to be installed.

Underneath the subbase a by hand compacted base course has to be installed. This base course has to be build in layers. The frost-free thickness has to be adapted of the local given.

revision			
revision			
Formwork and reinforcement plan (maximum load 600 KN)			Artikel-Nr. product no. article no.
Load distribution plate for 3000 L - separator - SLW 60			
gezeichnet drawn	ISC	Gewicht weight	Otto Graf GmbH
Datum date	2022.03.08	Toleranz tolerance	Carl-Zeiss-Str. 2-6 DE-79331 Teningen
Maßstab scale	M 1:25	Einheiten units	mailto:graf.info www.graf.info

