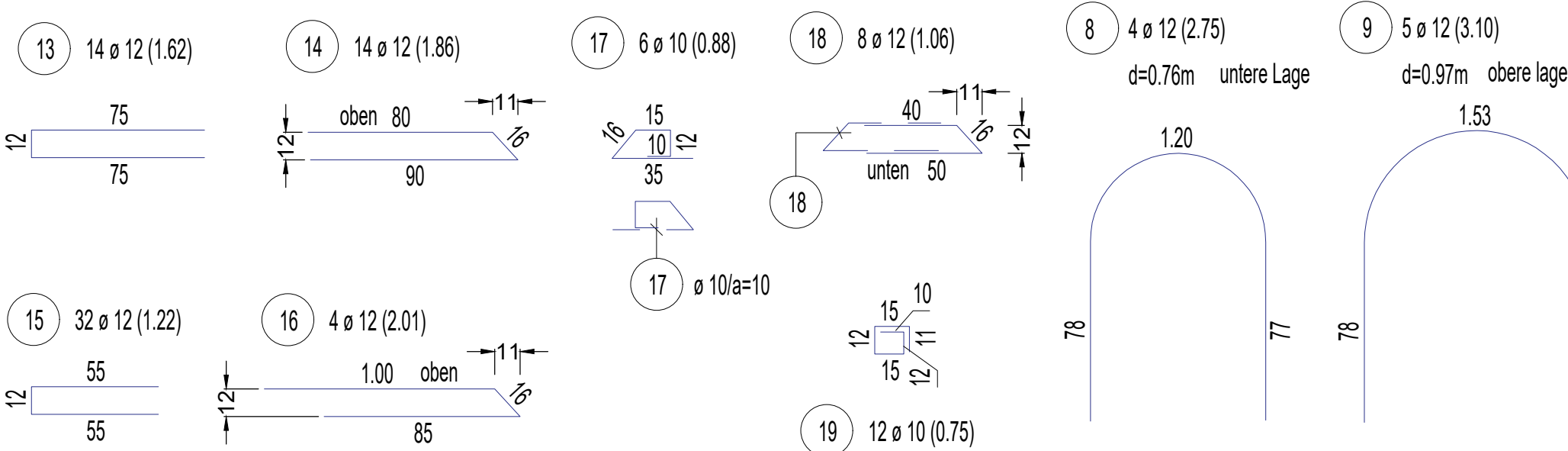
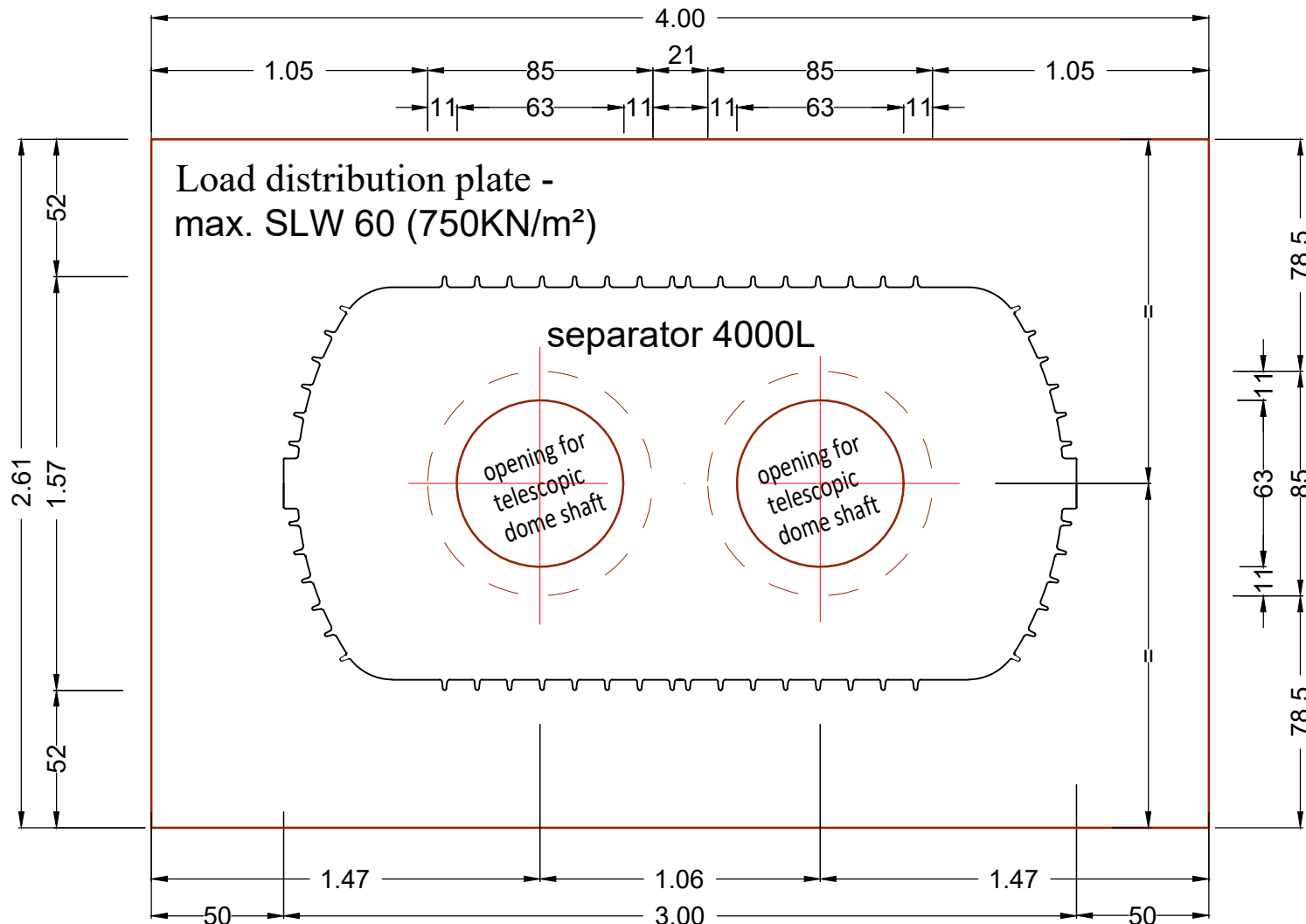
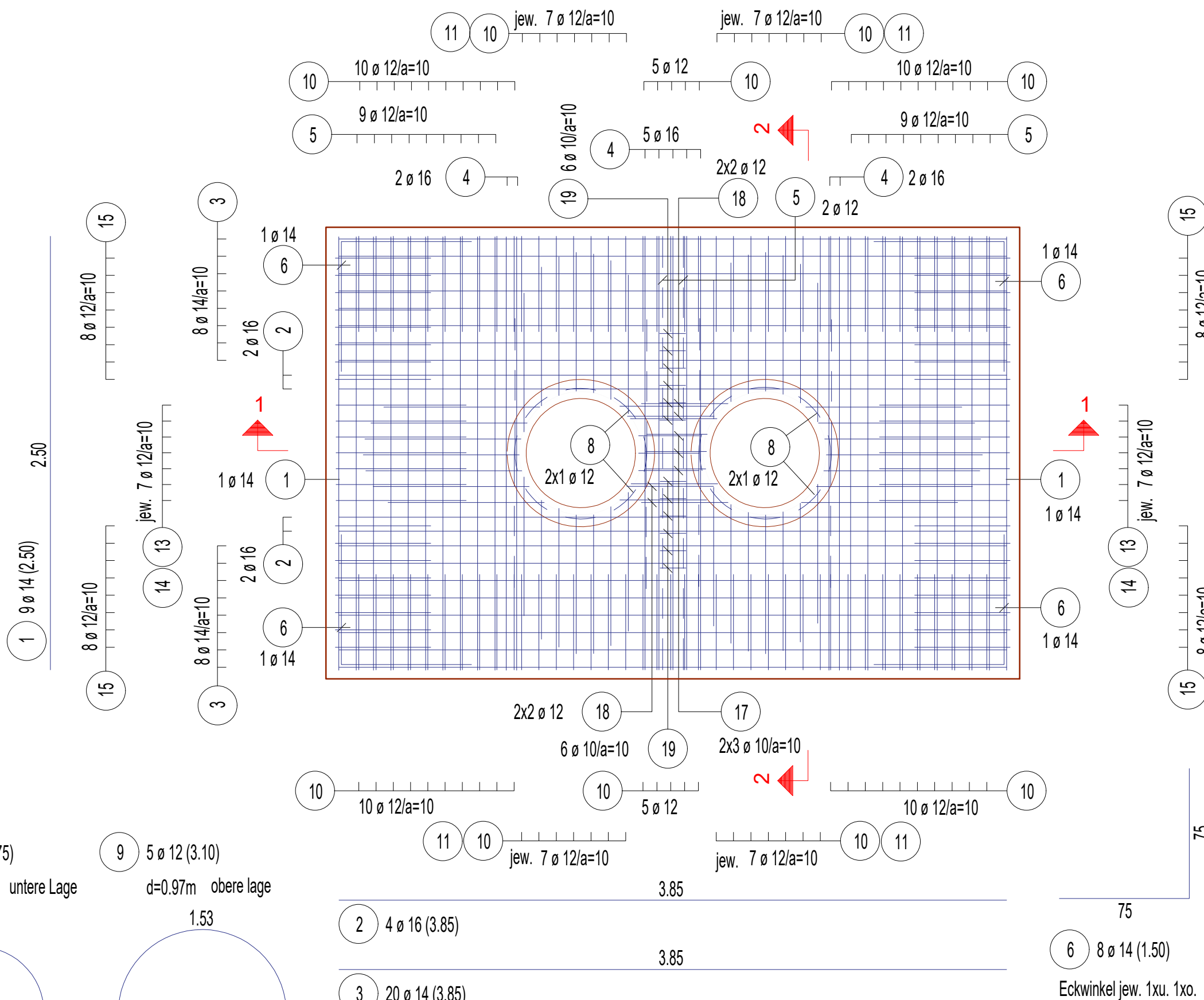


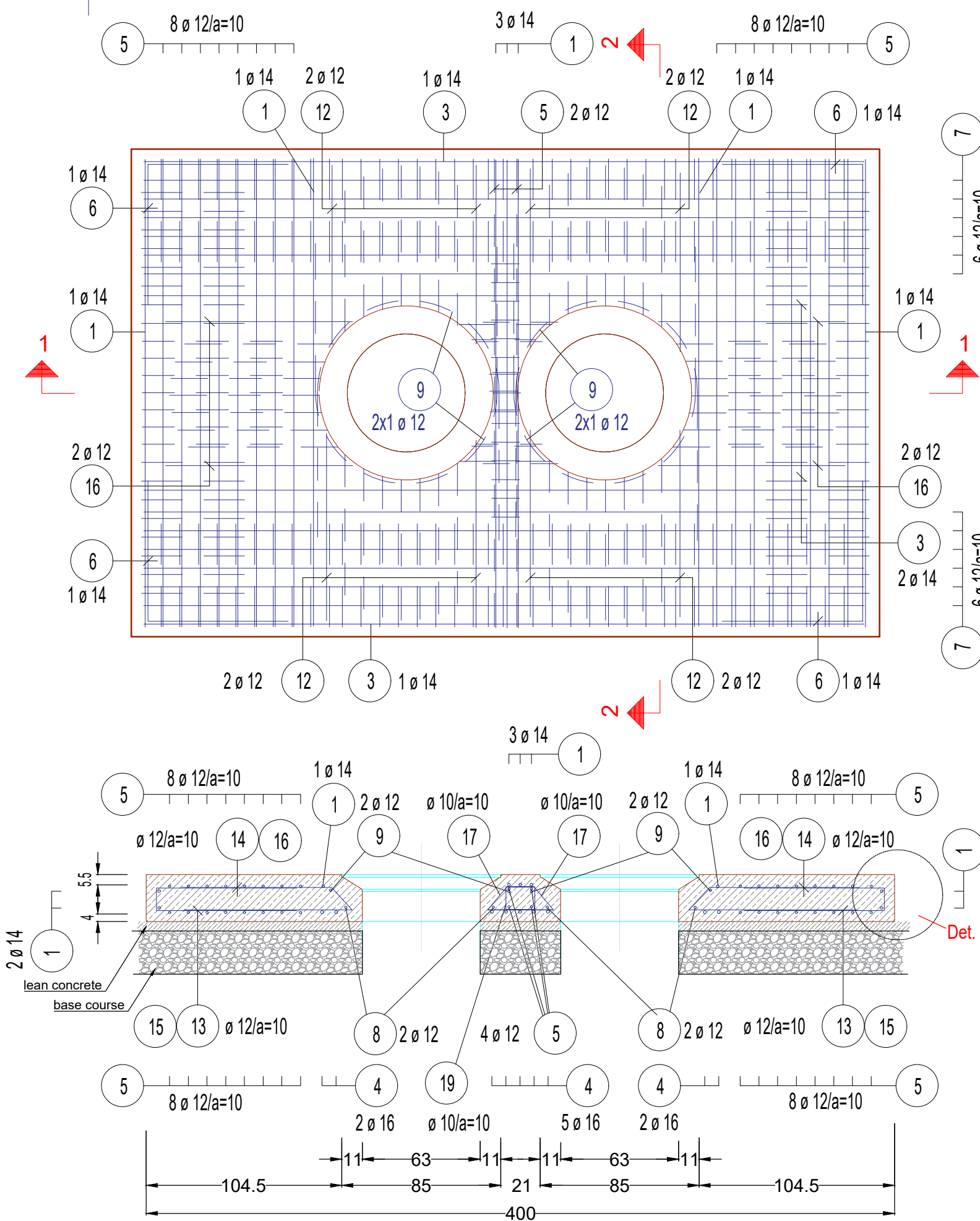
layout ground slab thickness = 25cm
ground slab C 35/45 on 2 x foil



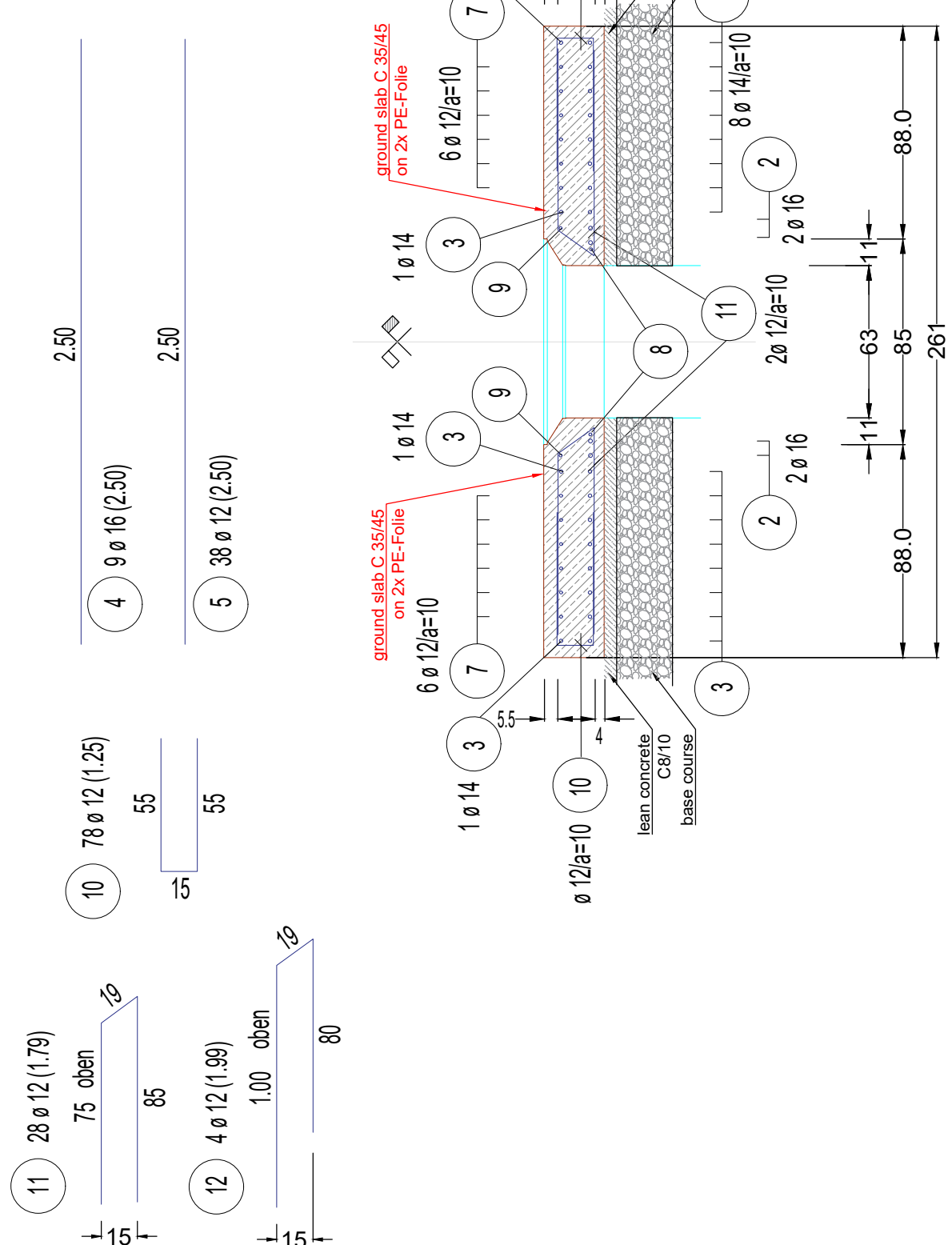
upper reinforcement layout



lower reinforcement layout



section 1-1



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	9	14	2,500	3,025	22,50	
2	4	16	3,850	6,083	15,43	
3	20	14	3,850	4,659	77,00	
4	9	16	2,500	3,950	22,50	
5	38	12	2,500	2,220	95,00	
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	5	12	3,100	2,753	15,50	
10	78	12	1,250	1,110	97,50	
11	28	12	1,790	1,590	50,12	
12	4	12	1,990	1,767	7,96	
13	14	12	1,620	1,439	22,68	
14	14	12	1,860	1,652	26,04	
15	32	12	1,220	1,083	39,04	
16	4	12	2,010	1,785	8,04	
17	6	10	0,880	0,543	5,28	
18	8	12	1,060	0,941	8,48	
19	12	10	0,750	0,463	9,00	

Total amount (rebar - 500 s)			
10	0,617 kg/m	14,28 m	8,811 kg
12	0,888 kg/m	427,56 m	379,67 kg
14	1,21 kg/m	111,50 m	134,92 kg
16	1,58 kg/m	37,90 m	59,88 kg
total weight			583,28 kg

Required soil characteristics:

- Soil group 1, specific weight 20KN/m^3 , friction angle 35°
- Modulus of subgrade as a rigid number: $23\text{MPa}=23000\text{ KN/m}^2$

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				
D	Formwork and reinforcement plan (maximum load 600 KN)			Article no. product no. article no.
Load distribution plate for 4000 L - separator - SLW 60				
gezeichnet drawn	ISC	Gewicht weight	Otto Graf GmbH Carl-Zeiss-Str. 2-6 DE-79331 Teningen mail@graf.info www.graf.info	
Datum date	2022.07.19	Toleranz tolerance	+/- 3%	
Maßstab scale	M 1:25	Einheiten units	m, cm.	

