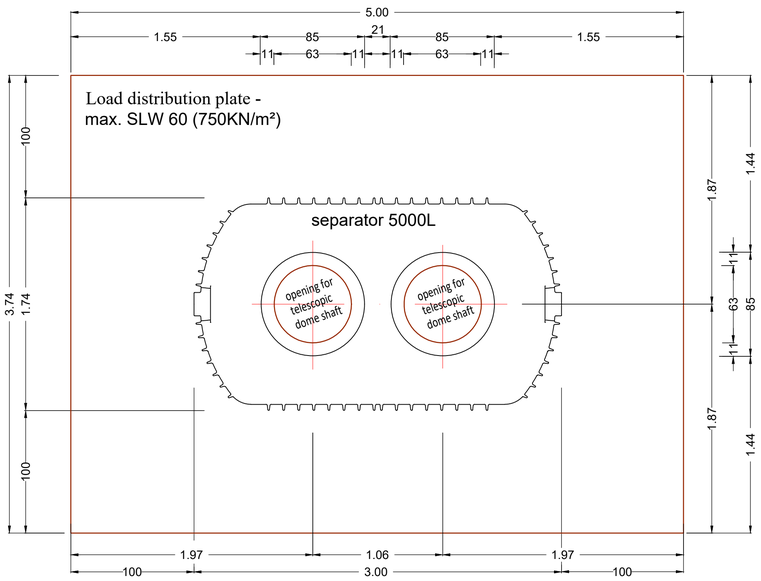
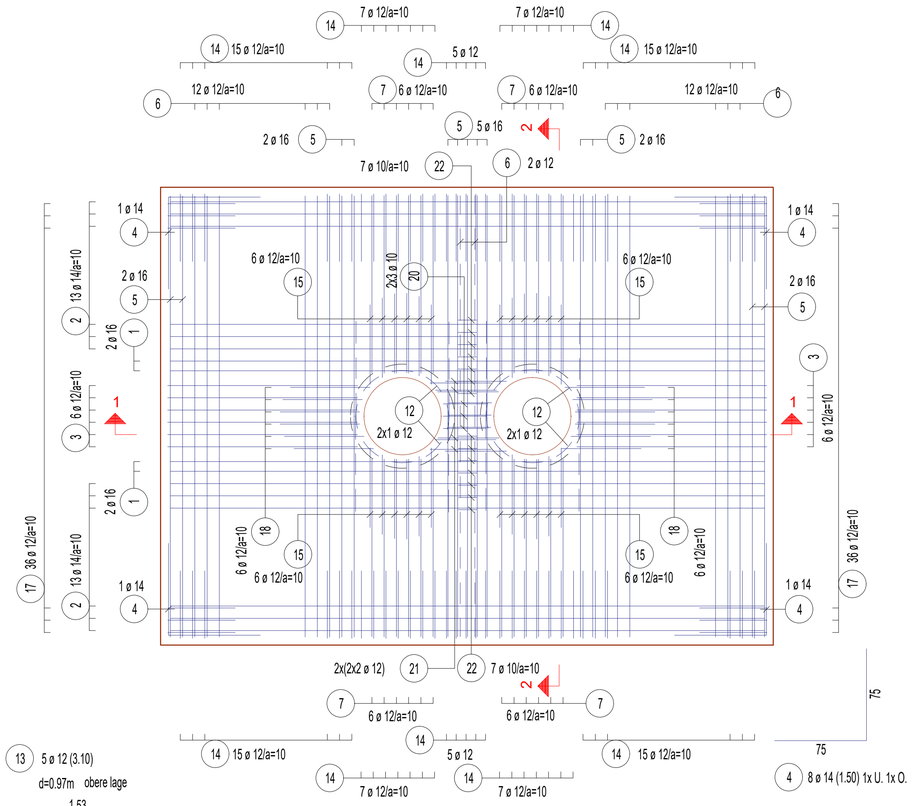
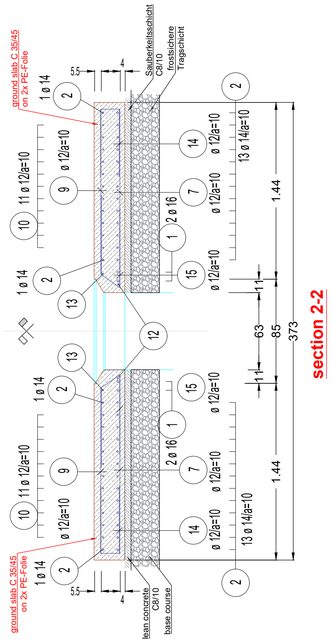
layout ground slab thickness = 25cm

ground slab C 35/45 on 2 x foil



upper reinforcement layout

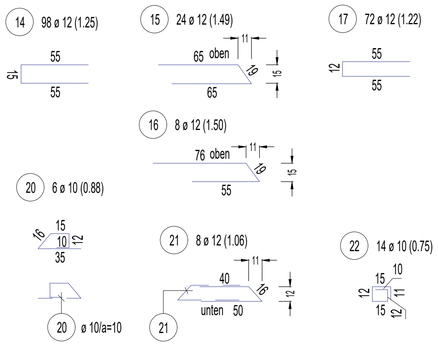


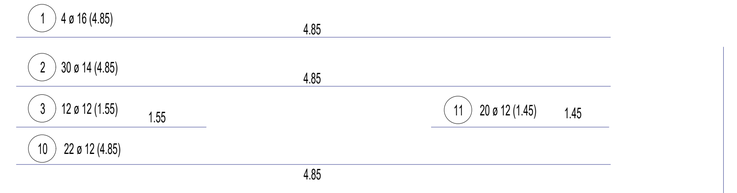


rebar (DIN 488):
round steel: B500B,
construction steel mats: B500A

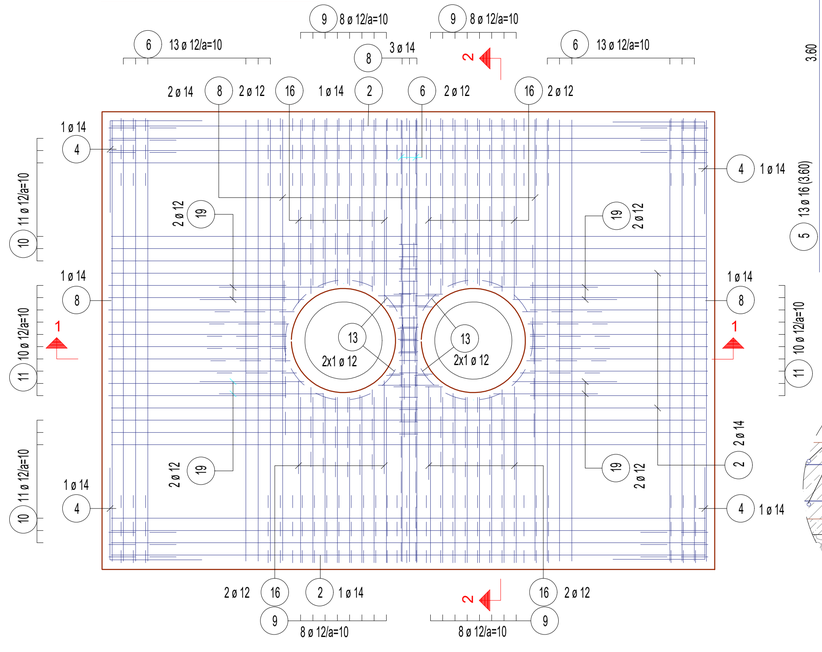
Rebar - BOM BSt - 500 S					
position	piece	ø	lenght m	weight kg	TL m
1	4	16	4,850	7,663	19,40
2	30	14	4,850	5,868	145,50
3	12	12	1,550	1,376	18,60
4	8	14	1,500	1,815	12,00
5	13	16	3,600	5,688	46,80
6	54	12	3,600	3,197	194,40
7	24	12	1,450	1,288	34,80
8	7	14	3,600	4,356	25,20
9	32	12	1,350	1,199	43,20
10	22	12	4,850	4,307	106,70
11	20	12	1,450	1,288	29,00
12	4	12	2,750	2,442	11,00
13	5	12	3,100	2,753	15,50
14	98	12	1,250	1,110	122,50
15	24	12	1,490	1,323	35,76
16	8	12	1,500	1,332	12,00
17	72	12	1,220	1,083	87,84
18	12	12	1,460	1,296	17,52
19	8	12	1,550	1,376	12,40
20	6	10	0,880	0,543	5,28
21	8	12	1,060	0,941	8,48
22	14	10	0,750	0,463	10,50

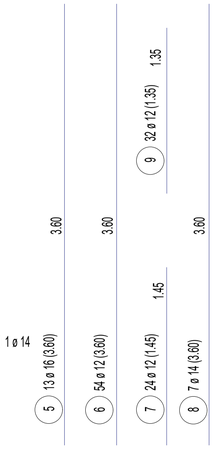
Total amount (rebar - 500 s)				
10	0,617kg/m	15,78 m	9,74 kg	
12	0,888 kg/m	749,70 m	665,73 kg	
14	1,21 kg/m	182,70 m	221,07 kg	
16	1,58 kg/m	66,20 m	104,60 kg	
total weight			1001,1kg	
Spacer type DBV-DT-12-B-L				
DBV-DT-12-B-L	8 x 2,0m	0,507 kg/m	8,12 kg	
total weight spacer			8,12 kg	





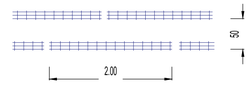
lower reinforcement layout



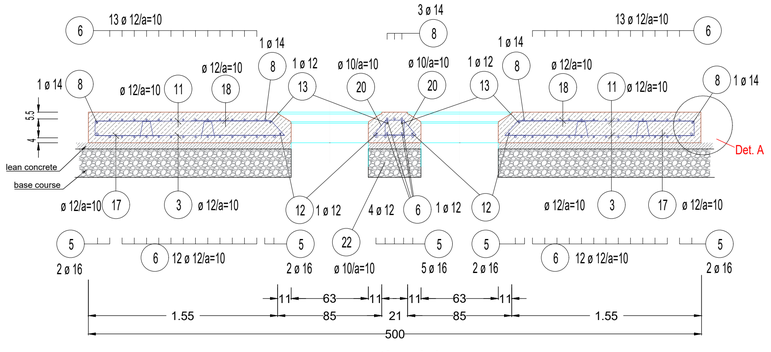


Spacer:
distribution plate h=25cm:

8 x 2 m DBV-DT-12-B-L



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



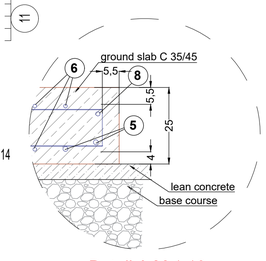
section 1-1

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 ableable 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.



Detail A M 1:10

revision			
revision			

D

Formwork and reinforcement plan
(maximum load 600 KN)

Artikel-Nr.
product no.
article no.
articulo no.

Load distribution plate for 5000 L - separator - SLW 60

gezeichnet drawn	ISC	Gewicht weight	
Datum date	2022.07.25	Toleranz tolerance	+/- 3%
Maßstab scale	M 1:25	Einheiten units	m, cm,

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GRAF

DIN A1