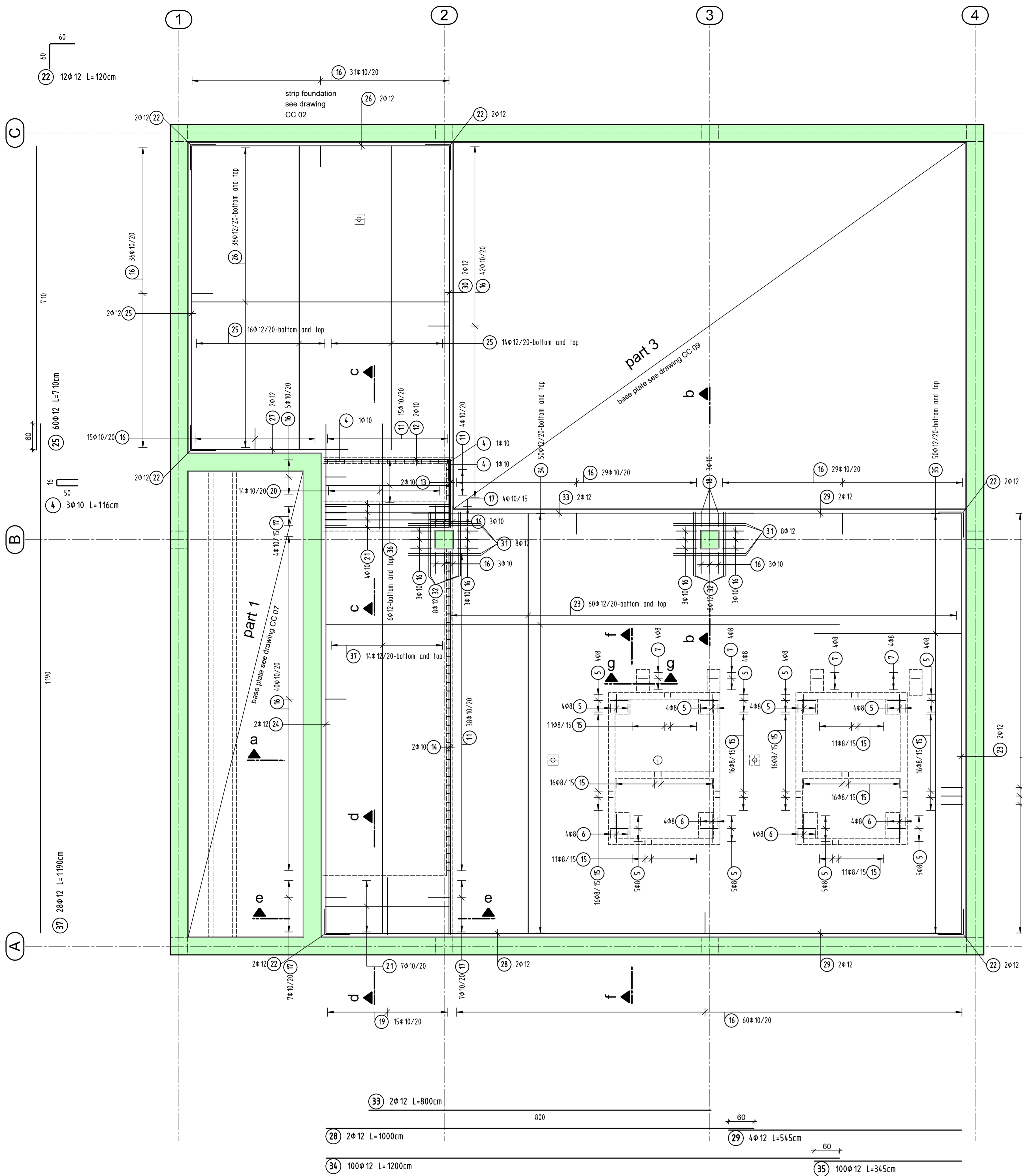
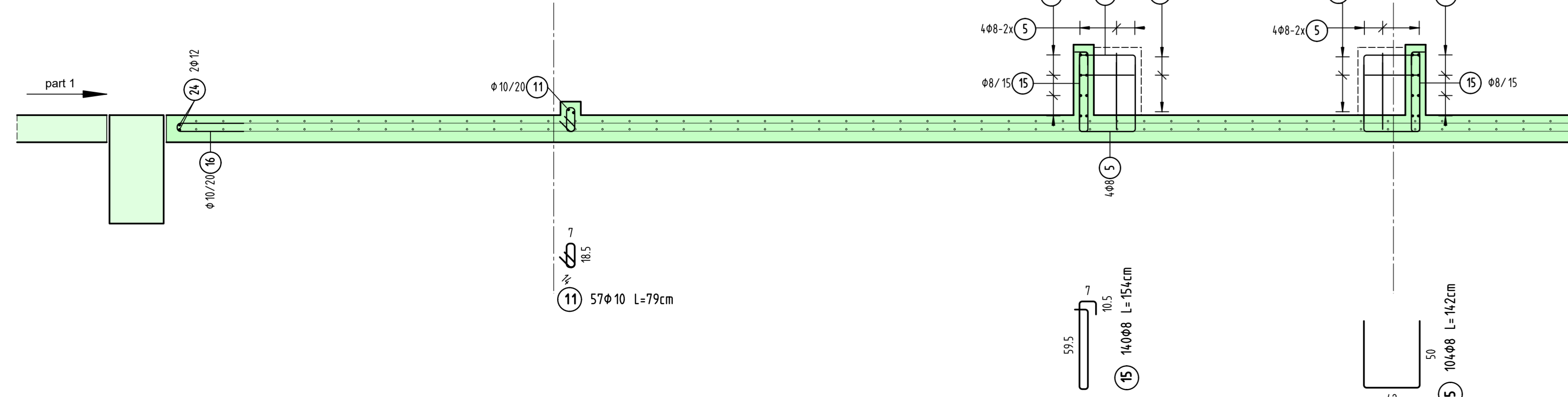


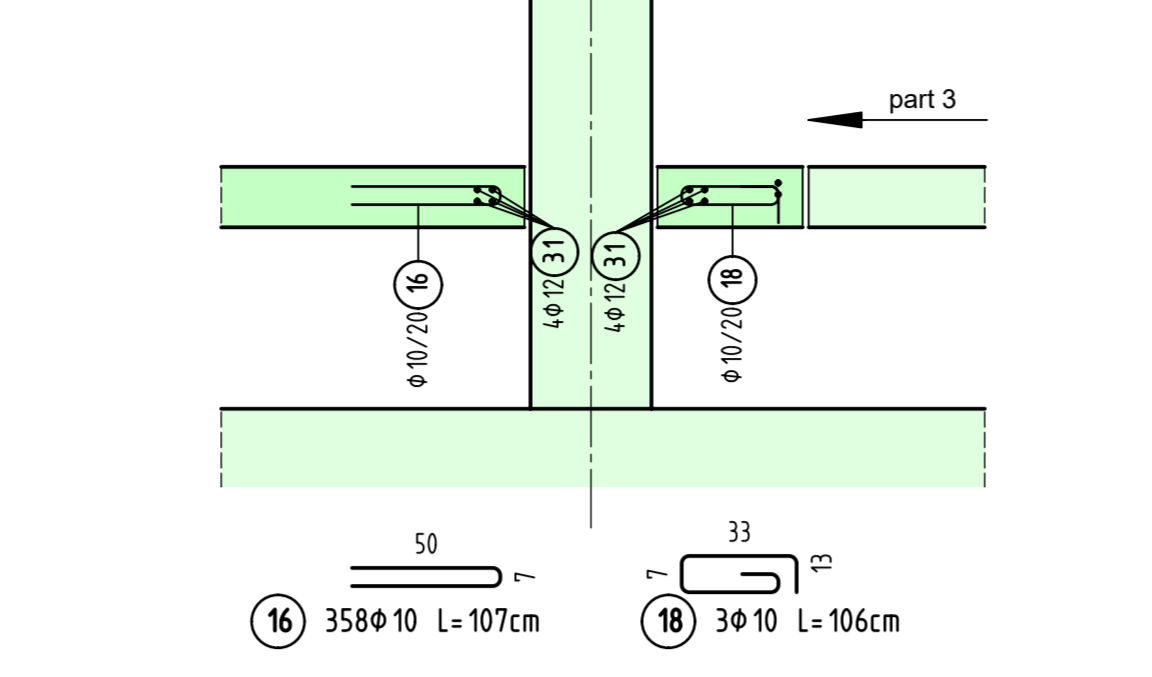
base plate part 2 t=20cm, SC1:50



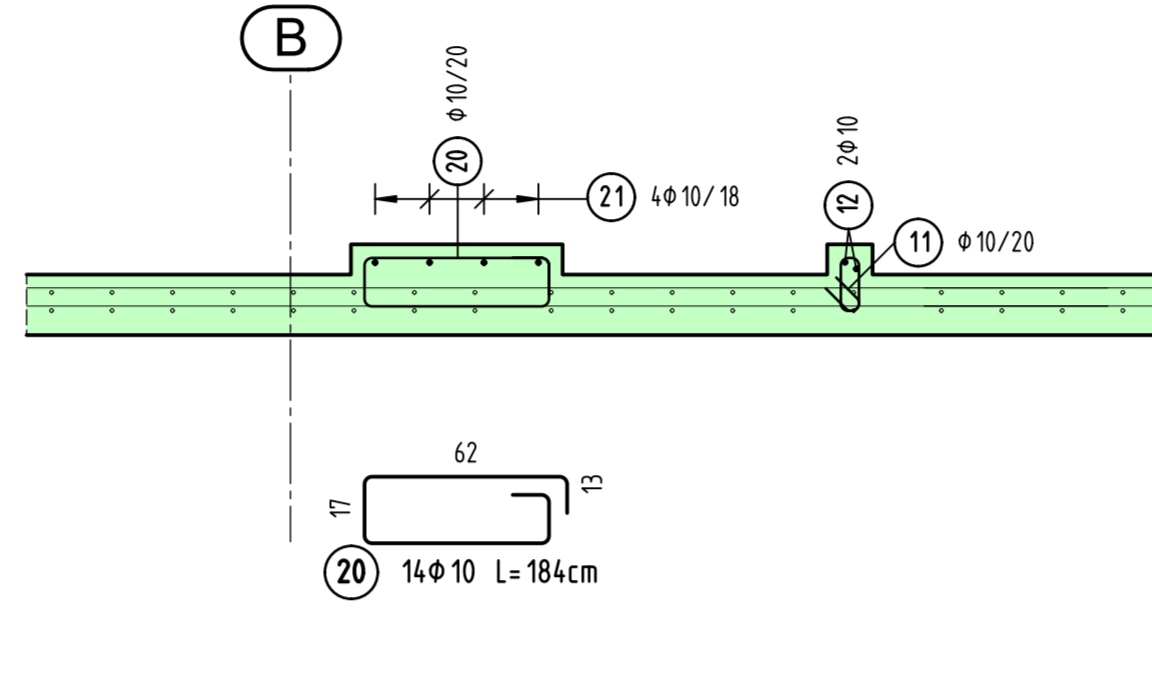
section a-a SC1:25



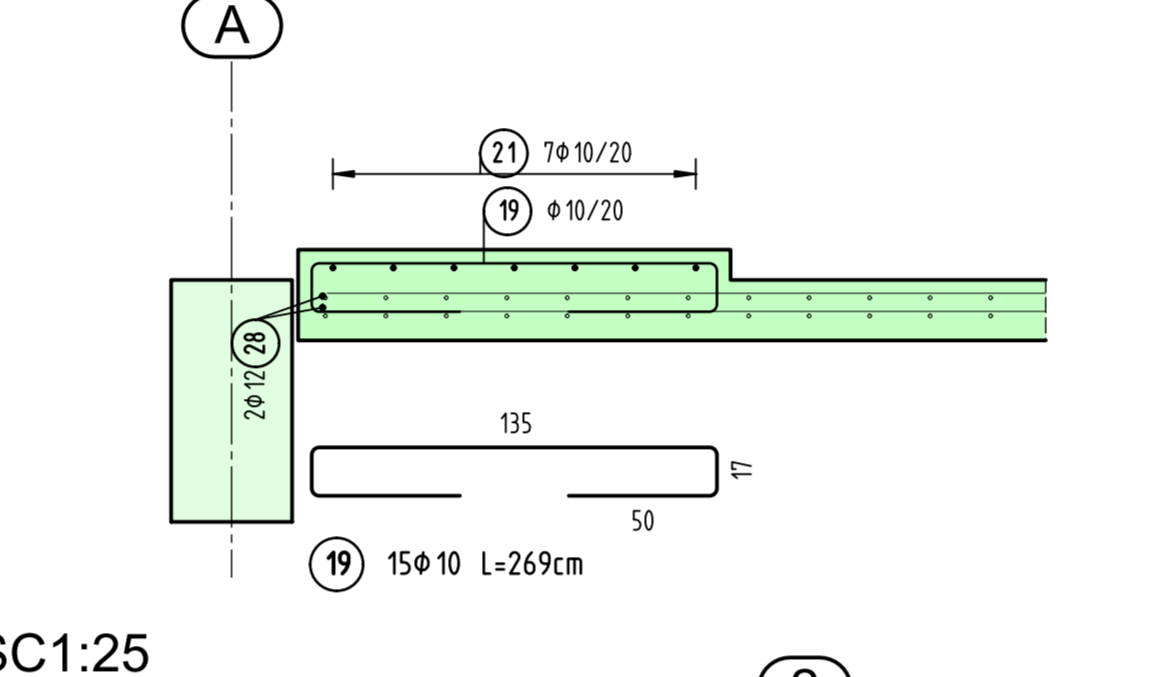
section b-b SC1:25



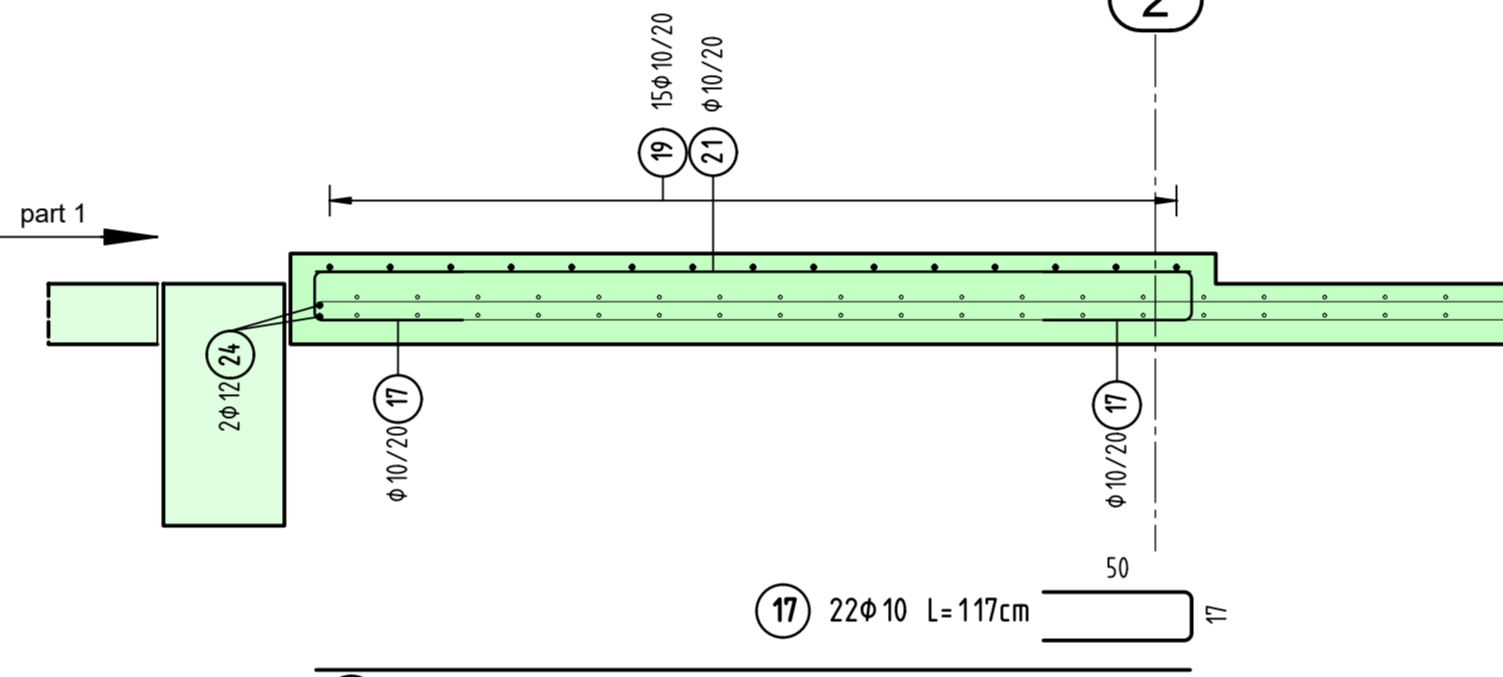
section c-c SC1:25



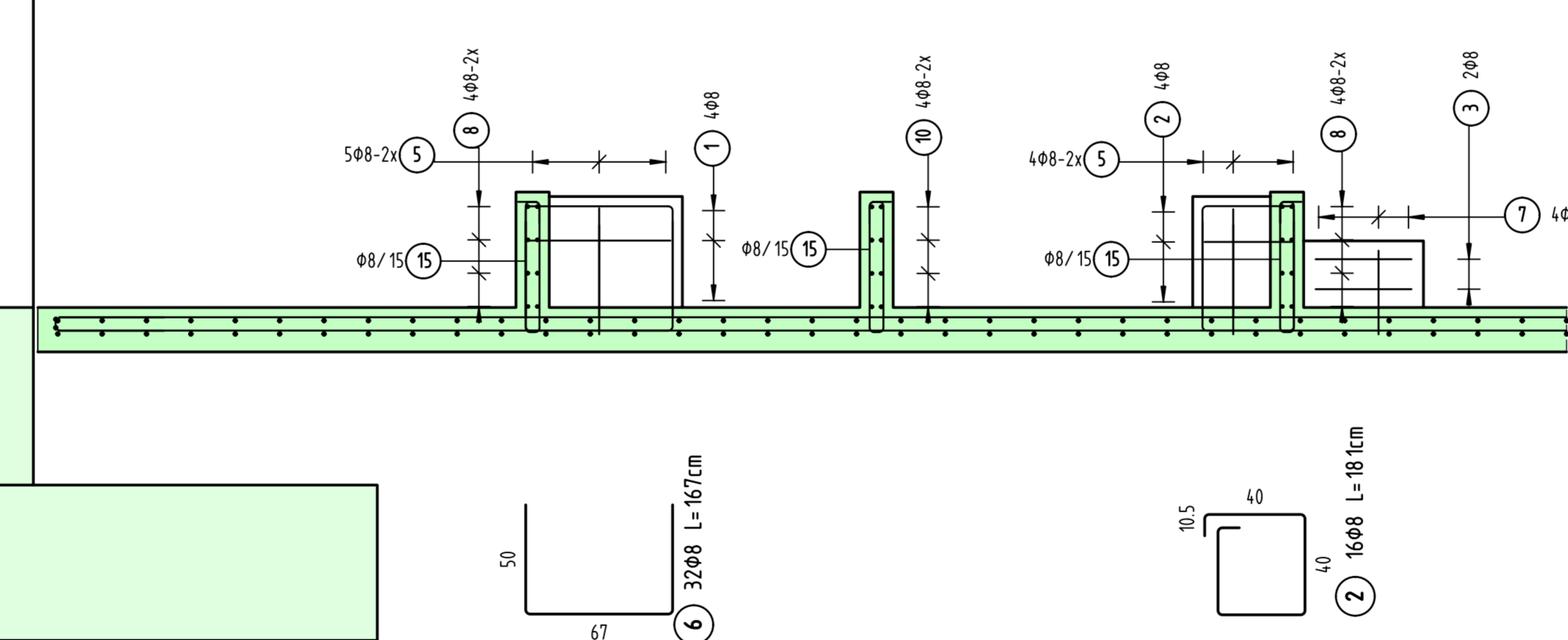
section d-d SC1:25



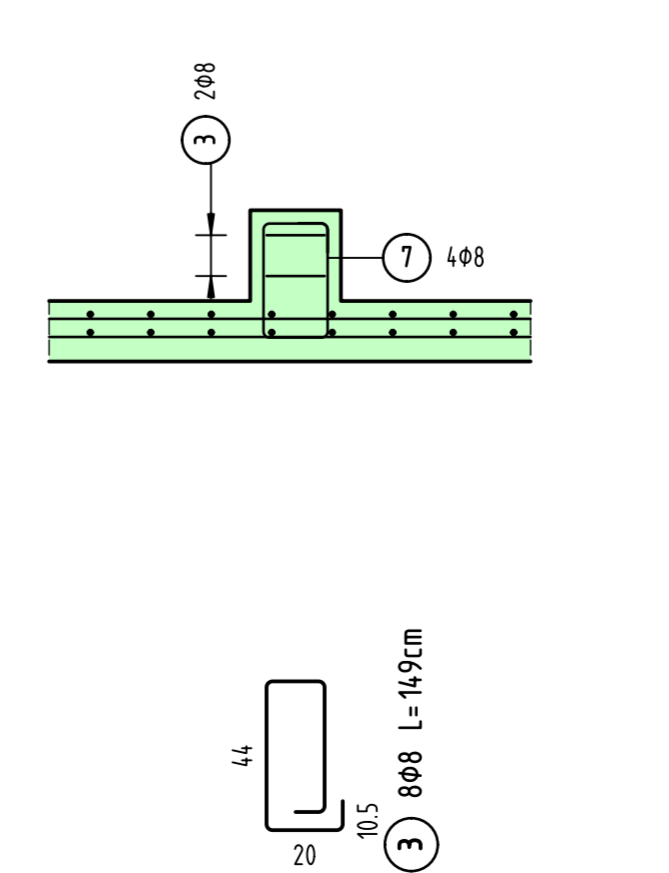
section e-e SC1:25



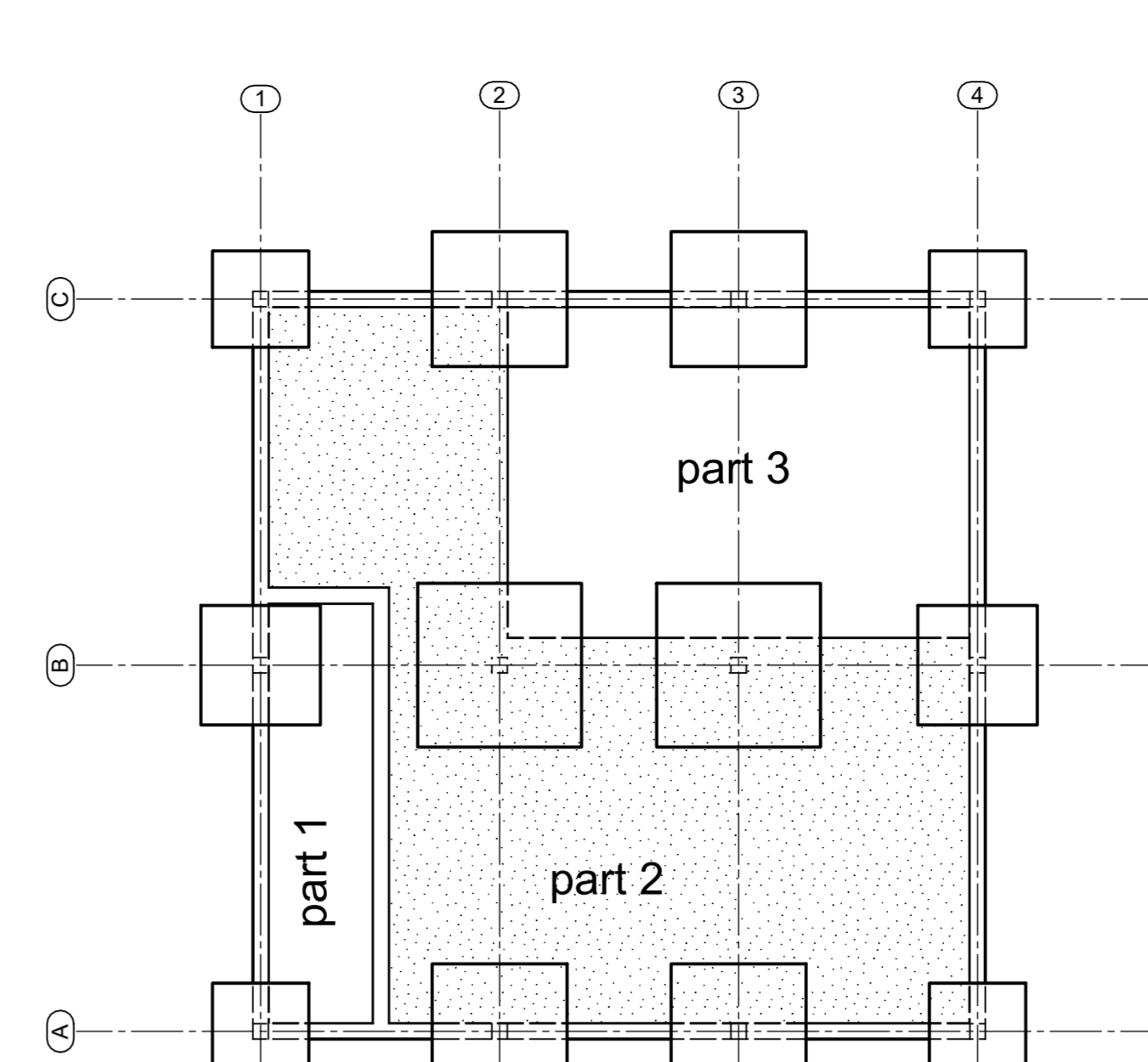
section f-f SC1:25



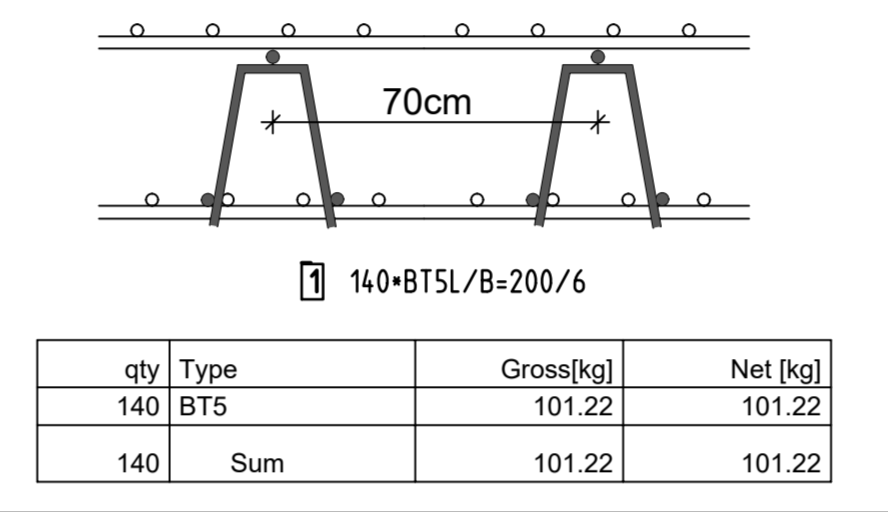
section g-g SC1:25



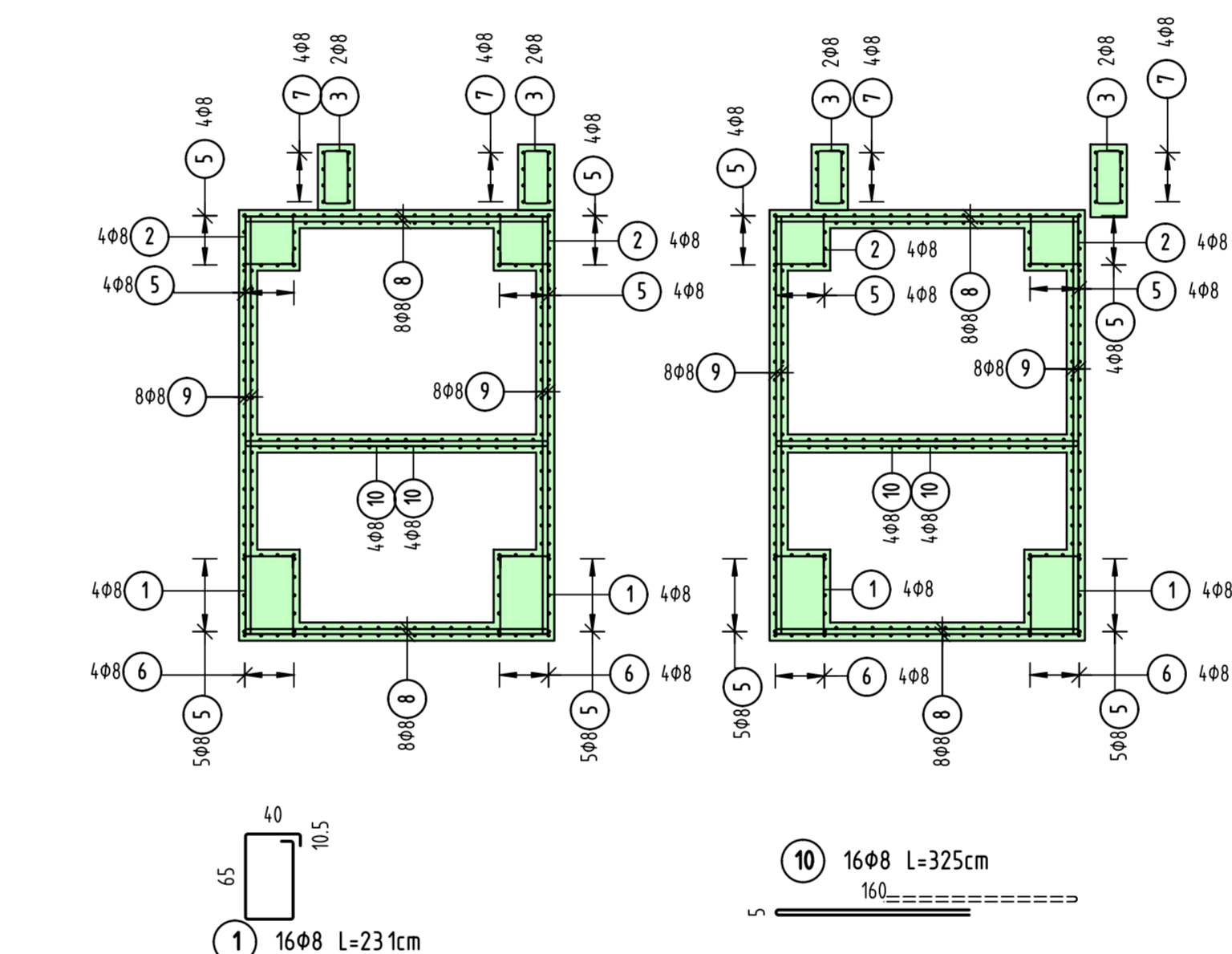
overview base plate



spacer



upstands SC1:50



BAR BENDING SCHEDULE BST 500 S

pos.	qty	a [mm]	length [m]	shape (not to scale) [cm]	total length [m]	weight [kg]
1	16	8	2.31	[Diagram]	36.96	14.60
2	16	8	1.81	[Diagram]	28.96	11.44
3	8	8	1.49	[Diagram]	11.92	4.71
4	3	10	1.16	[Diagram]	3.48	2.15
5	104	8	1.42	[Diagram]	147.68	58.33
6	32	8	1.67	[Diagram]	53.44	21.11
7	16	8	1.42	[Diagram]	22.72	8.97
8	32	8	2.50	[Diagram]	80.00	31.60
9	32	8	3.45	[Diagram]	110.40	43.61
10	16	8	3.25	[Diagram]	52.00	20.54
11	57	10	0.79	[Diagram]	45.03	27.78
12	2	10	2.95	[Diagram]	5.90	3.64
13	2	10	1.60	[Diagram]	3.20	1.97
14	2	10	8.95	[Diagram]	17.90	11.04
15	140	8	1.54	[Diagram]	215.60	85.16
16	388	10	1.07	[Diagram]	383.06	236.35
17	22	10	1.17	[Diagram]	25.74	15.88
18	3	10	1.06	[Diagram]	3.18	1.96
19	15	10	2.69	[Diagram]	40.35	24.90
20	14	10	1.84	[Diagram]	25.76	15.89
21	11	10	2.90	[Diagram]	31.90	19.68
22	12	12	1.20	[Diagram]	14.40	12.70
23	122	12	9.80	[Diagram]	1195.60	1061.69
24	2	12	11.90	[Diagram]	23.80	21.13
25	62	12	7.10	[Diagram]	440.20	390.90
26	74	12	6.00	[Diagram]	444.00	394.27
27	2	12	3.65	[Diagram]	7.30	6.48
28	2	12	10.00	[Diagram]	20.00	17.76
29	4	12	5.45	[Diagram]	21.80	19.96
30	2	12	8.90	[Diagram]	17.80	15.61
31	16	12	1.70	[Diagram]	27.20	24.15
32	16	12	1.50	[Diagram]	24.00	21.31
33	2	12	8.00	[Diagram]	16.00	14.21
34	100	12	12.00	[Diagram]	1200.00	1065.60
35	100	12	3.45	[Diagram]	345.00	306.36
36	12	12	2.87	[Diagram]	34.44	30.58
37	28	12	11.90	[Diagram]	333.20	295.88
total weight [kg]:						4399.59

Steel grade	Symbol	Steel Positions	Bending instructions according to EC2 or special specification in the plan.
B 500 B	○	first	37
welded steel mesh	□	not applicable	-

part	below	above	C min [mm]	side	ext.	int.	a/C [mm]	C nom [mm]	measures for fixing the position according to Note
slab, top layer	25	25	25	25	15	40	15	40	Yes
slab, bottom layer and side	60	60	60	60	15	75	15	75	Yes

Information on concrete and concrete placing

- All construction joints are at least rough manufactured according to EC2, provided no further details in the plan.
- Use concrete with low heat development (LH-concrete), require testing the compressive strength after 56 days.
- Small cement content of the concrete, avoid over-amounts.
- Small water content of the concrete.
- Fresh concrete temperature as low as possible.
- If possible, concreting has to be done in the evening or at night.
- Start follow up treatment immediately after stripping / stiffening. Protect concrete at least 14 days from the sun and wind, e.g. by covering with plastic sheeting (white capes). For the first 5 days keep concrete moist by repeated watering a day.
- Provide vibration gaps acc. to DBV-Merkblatt for compacting the concrete.
- Concrete the bottom plate crosswise (proposal sections see formwork plan).

appertaining structural analysis: 8810 4 T 461 CA 01

Bending of reinforcement acc. to BV-Merkblatt 'Betonrueckung und Bewehrung 2011-01'

When determining the bending roller diameter d<sub>br</sub> acc. to EC2 § 9.3 it is to be noted and to be determined by the constructional function of the bend:

A) Bends to force diversion

B) Constructive diversion

Minimum value of the concrete cover at right angles to plane of slab/beam	Bending roller diameter d <sub>br</sub> [mm]	Bar diameter d <sub>s</sub> [mm]	Bending roller diameter d <sub>br</sub> [mm]
4.1, 22.4, 12	44	12	44
5.0, 16.0, 10	44	16	44
6.0, 14.0, 8	44	14	44
7.0, 12.0, 6	44	12	44

Legend:

- L- stop layer.
- B- bottom layer.
- I- inner layer.
- R- rear layer.
- O- outer layer.
- S- side layer.
- St. stirrup.
- Mo. mounting bars.

Appertaining Drawings: drawing No.: 8810\_4\_T\_461\_CB\_01 to 03

Contents: Formwork Plan Sludge Dewatering Building

8810\_4\_T\_461\_CC\_01 ff. Reinforcement Plan Sludge Dewatering Building

The distance of the reinforcement to the installation parts must be 20mm at least.

All dimensions have to be checked on site!  
This plan is valid only in combination with the respective plans of the expert planners!

Rev.	Date	By	Check	Approved
C	07.08.2016	Adjustment Reinforcement	Ge.	Vo-Em. lig
B	02.02.2016	New letter block	Ge.	Vo-Em. lig
A	28.04.2016	ISSUED FOR APPROVAL	Ge.	Vo-Em. lig

Content: Structural Reinforcement Sludge Dewatering Base Plate Part 2

Project number: 8810

Sheet: 2 of 1

Scale: 1:50/25

Size: DIN A0/D