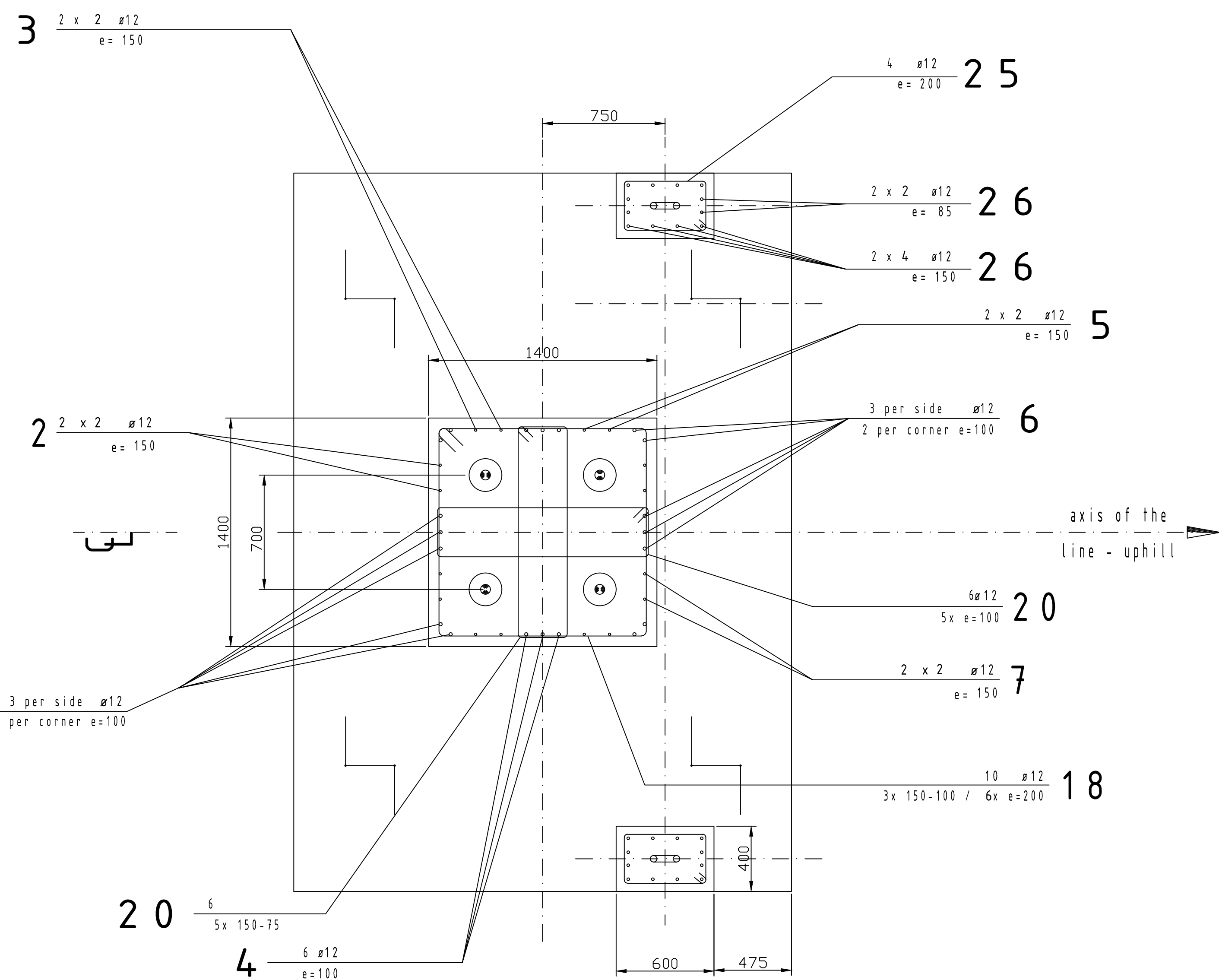
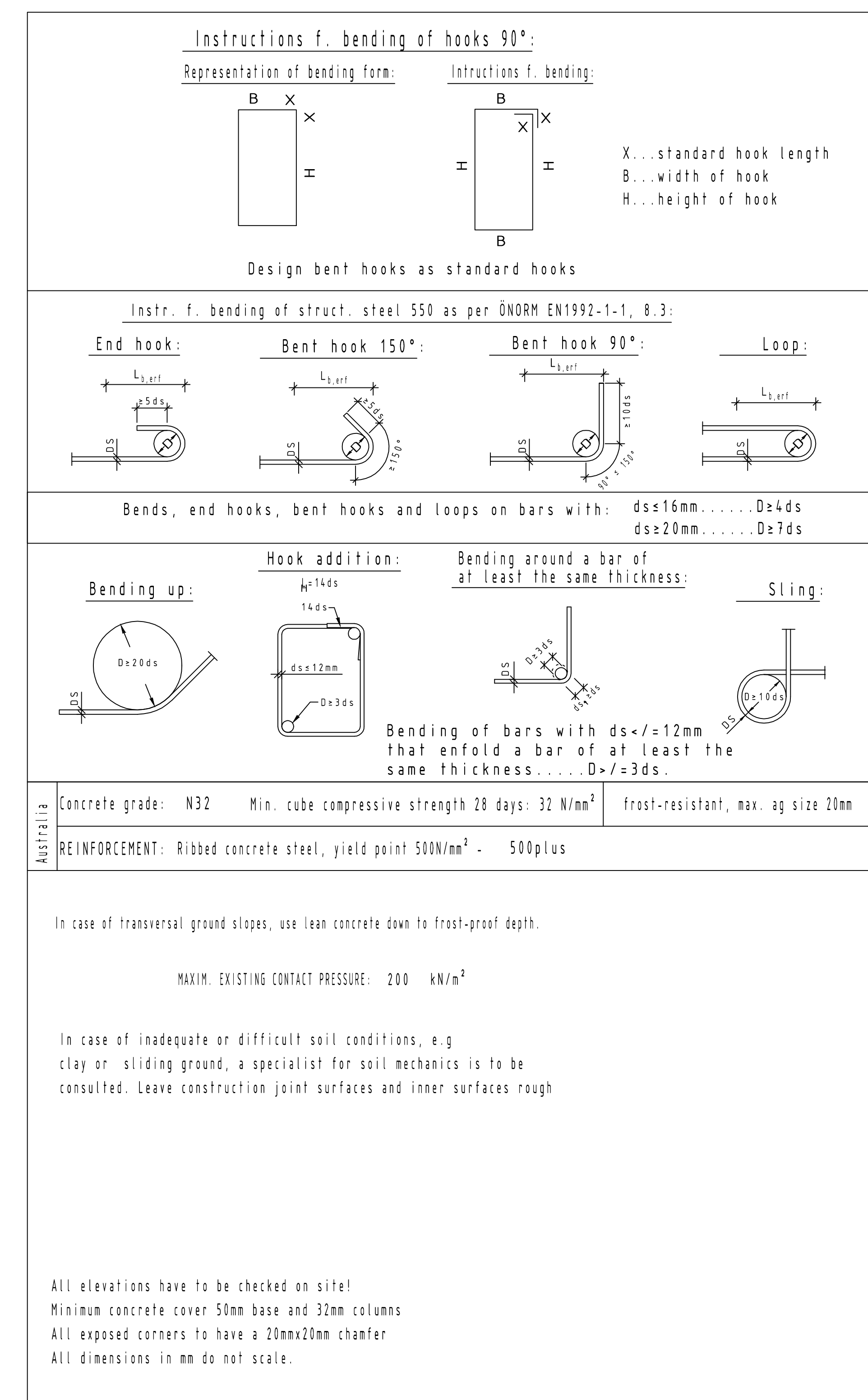


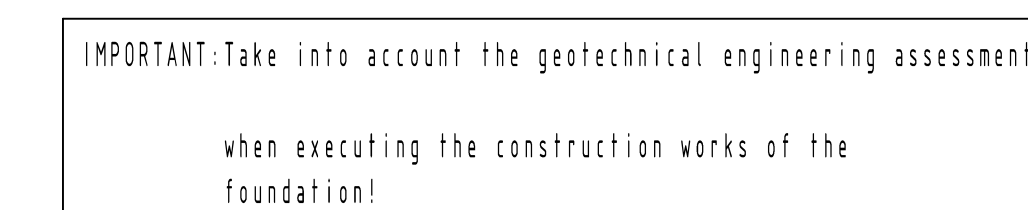


A suitably experienced and qualified engineer is required to inspect the foundation material during construction and verify that an allowable bearing pressure of not less than 200kN/m^2 is achieved.



The company executing the works is obliged to point out any inconsistencies between this drawing, the architect's drawings or drawings of other expert engineers resp. the local conditions on the constructions site.

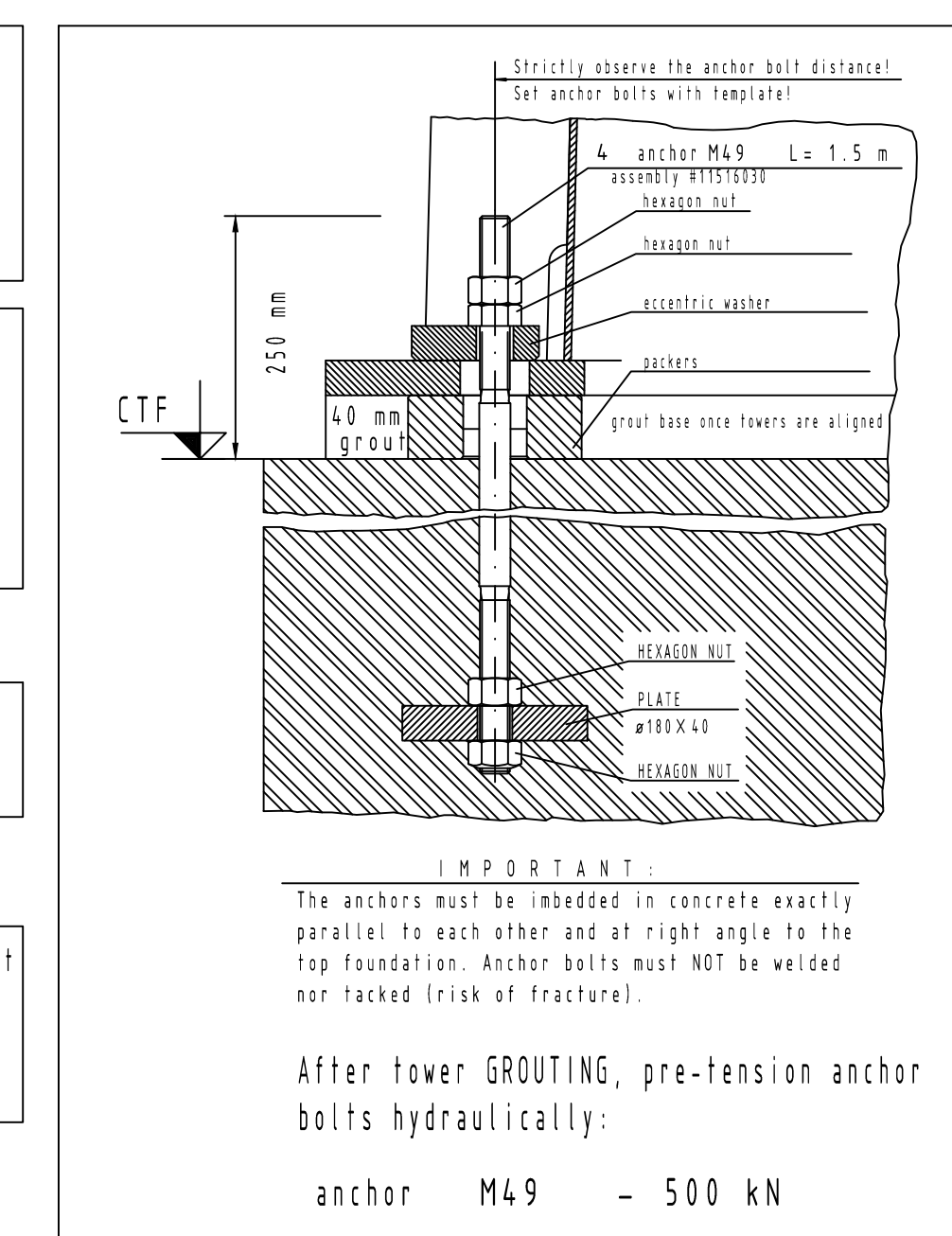
The drawing is only schematic!
Only the dimensions are applicable!

$$\begin{aligned} V_{\text{column}} &= 3.4 \text{ m}^3 \\ V_{\text{base}} &= 8.1 \text{ m}^3 \\ V_{\text{hold}} &= 0.4 \text{ m}^3 \\ V_{\text{total}} &= 11.9 \text{ m}^3 \end{aligned}$$


The foundation must be completely back-filled in equal layers on the entire surface below the CTF height.

The foundation must be completely back-filled in equal layers on the entire surface below the CTF height.

If the weight of backfill cannot be carried out in the hereby specified size, the load must be applied in a different way (e.g. concrete load)



4 anchor M49 delivery
+ template for concrete work Doppelmayr

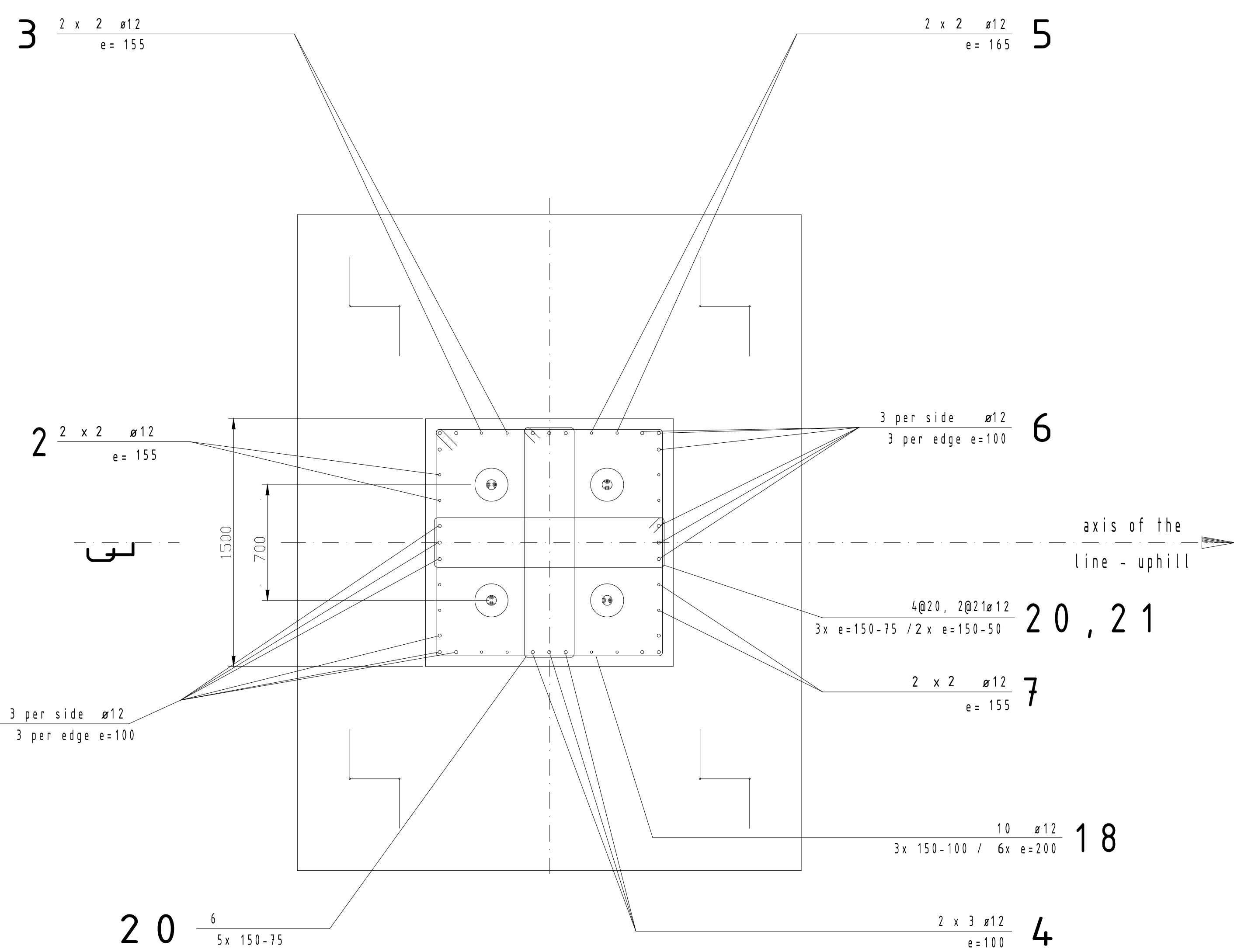
left Installation 0deg INCLINATION

The foundations must be surveyed in terrain exactly according to the specified CTF heights and lengths
 CTF length: ± 50 mm, CTF HEIGHT: ± 30 mm, Crust width: ± 20 mm, angle: $\pm 0.5^\circ$;
 N.B.: The foundation dimensions are absolute minimum requirements!

[illegible]

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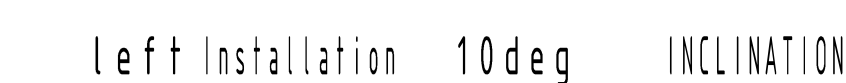
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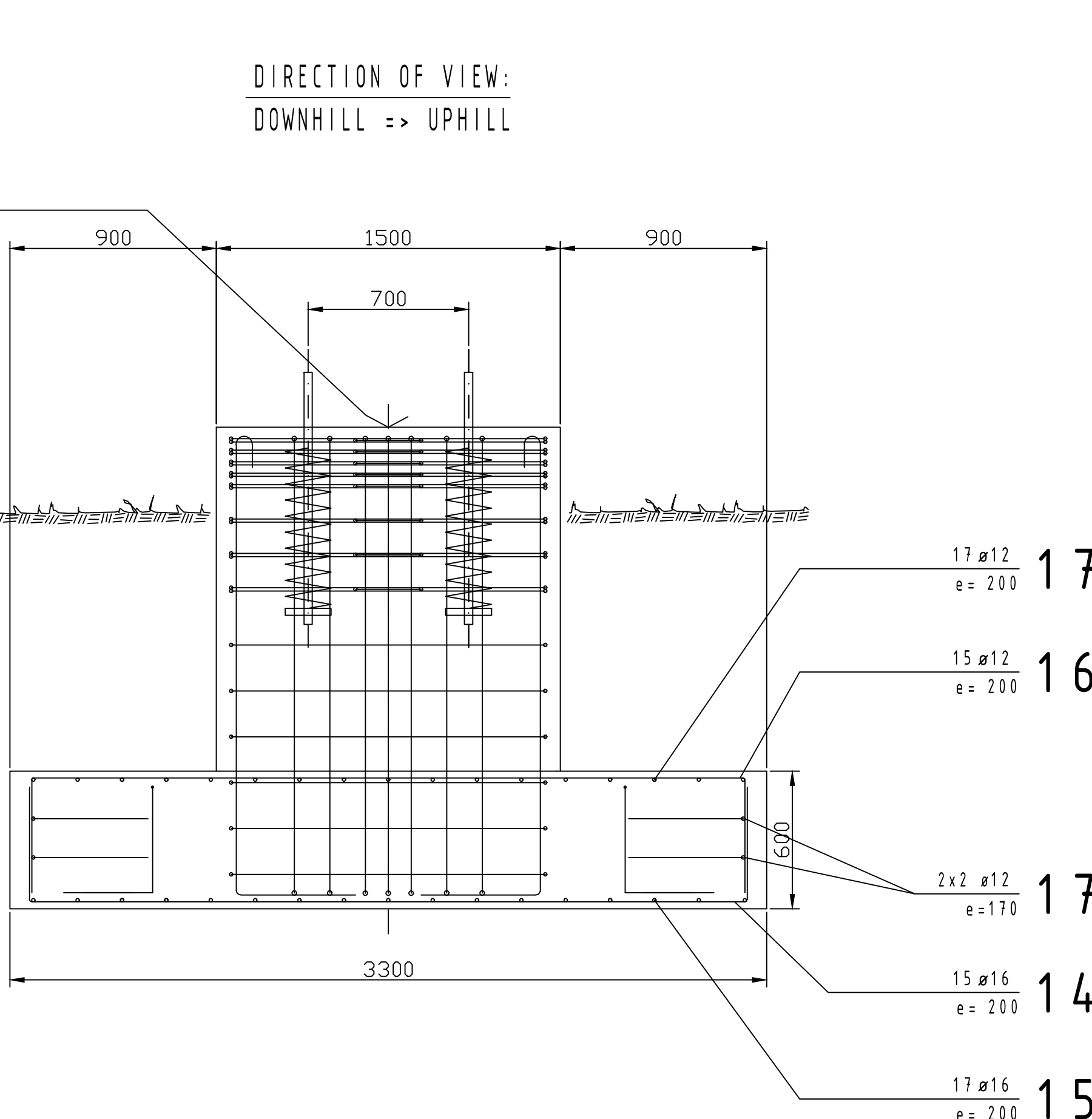
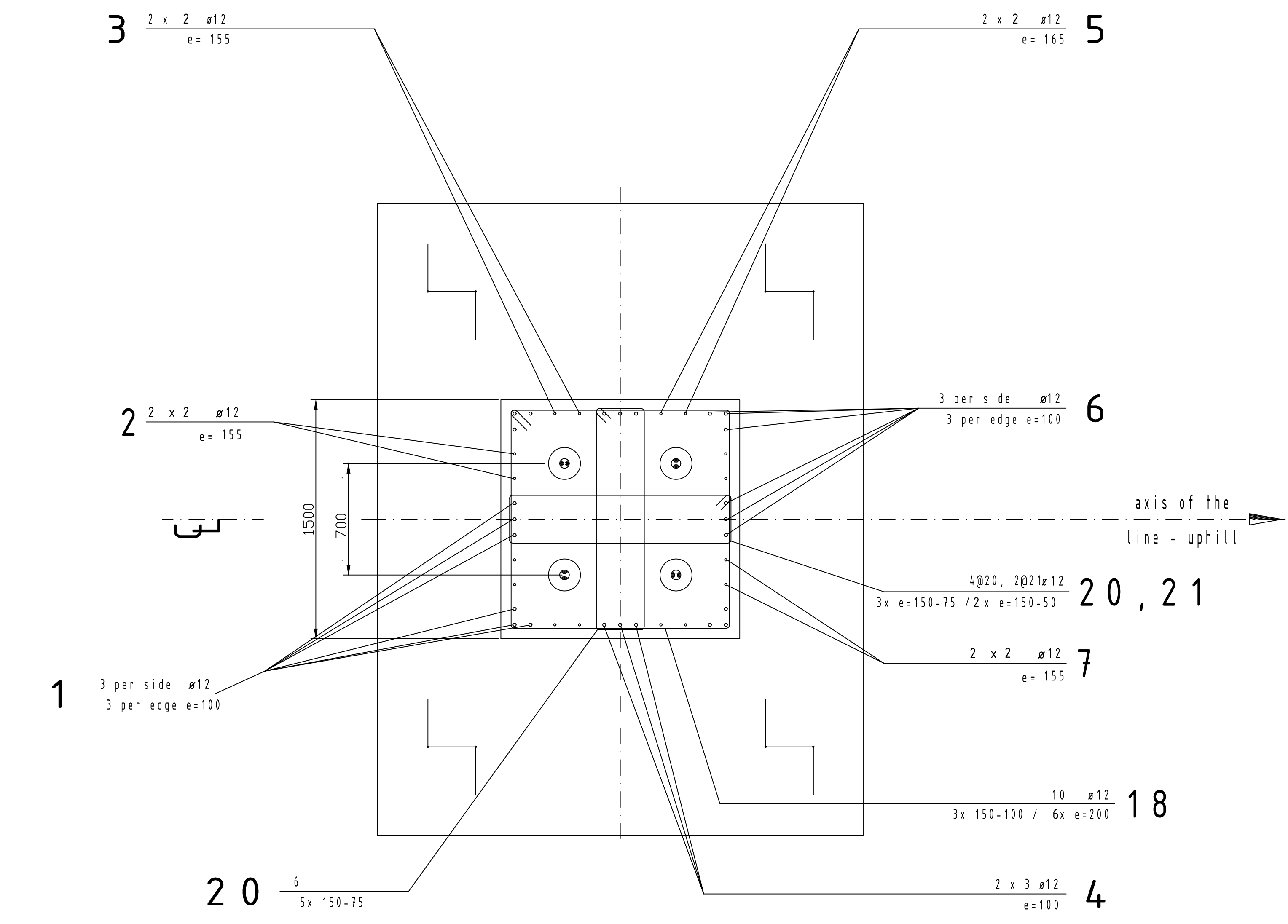
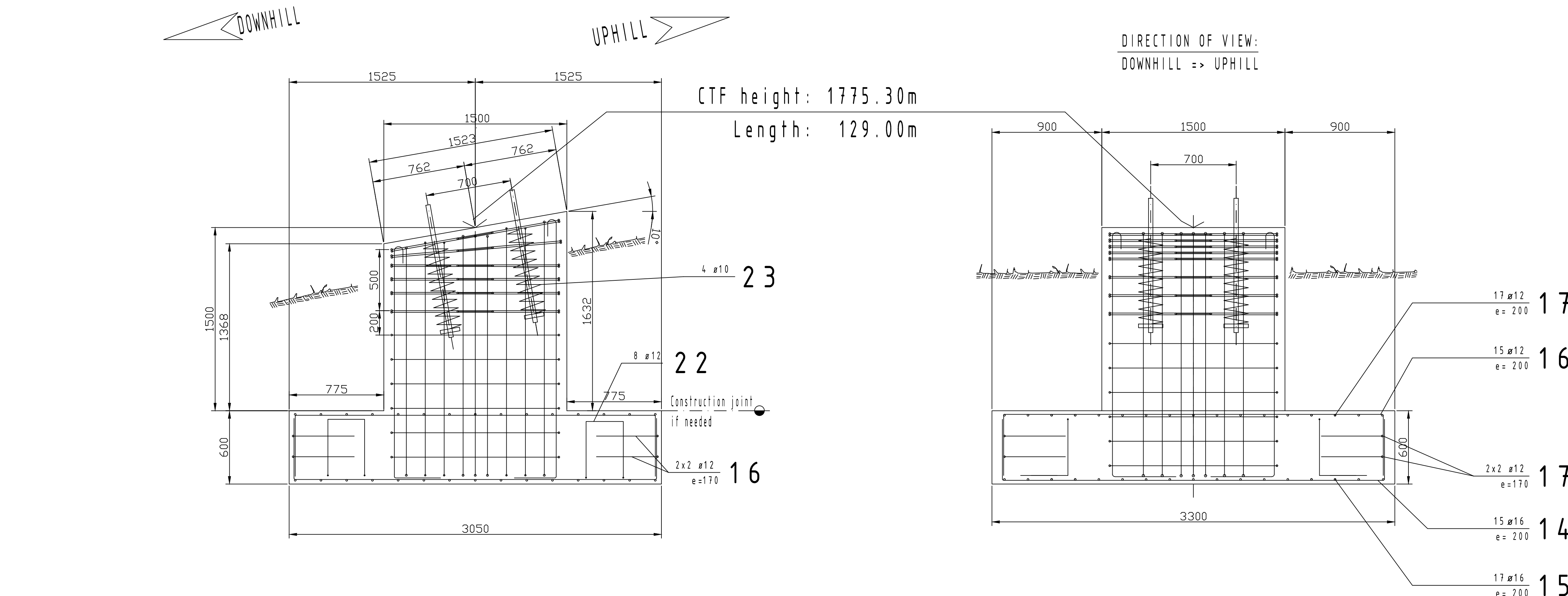


A suitably experienced and qualified engineer is required to inspect the foundation material during construction and verify that an allowable bearing pressure of not less than 200kN/m^2 is achieved.

Technical drawing of a reinforced concrete slab cross-section. The drawing shows a central vertical section with a width of 1500mm and a total width of 3300mm. The slab is 900mm wide on both sides of the central section. The central section has a height of 700mm. The slab is reinforced with 17 bars of diameter 12mm (17 ø12) at the top and 15 bars of diameter 12mm (15 ø12) at the bottom. The bottom bars are spaced at 200mm (e=200). The top bars are spaced at 200mm (e=200). The slab is supported by a wall with a height of 600mm. The wall is reinforced with 2 bars of diameter 12mm (2 ø12) at the top and 15 bars of diameter 16mm (15 ø16) at the bottom. The bottom bars are spaced at 200mm (e=200). The top bars are spaced at 170mm (e=170). The wall is 3300mm wide. The drawing includes a section line A-A and a section line B-B.

Instructions f. bending of hooks 90°:			
Representation of bending form:		Instructions f. bending:	
		X...standard hook length B...width of hook H...height of hook	
Design bent hooks as standard hooks			
Instr. f. bending of struct. steel S50 as per ONORM EN1992-1-1, 8.3:			
End hook:	Bent hook 150°:	Bent hook 90°:	Loop:
Bends, end hooks, bent hooks and loops on bars with: ds=16mm.....D=4ds ds=20mm.....D=7ds			
Bending up:	Hook addition:	Bending around a bar of at least the same thickness:	Sling:
Bending of bars with ds<=12mm that enfold a bar of at least the same thickness: ...D>/=3ds.			
Australia	Concrete grade: N32 Min. cube compressive strength 28 days: 32 N/mm² frost-resistant, max. ag size 20mm		
REINFORCEMENT: Ribbed concrete steel, yield point 500N/mm² - 500plus			
In case of transversal ground slopes, use lean concrete down to frost-proof depth.			
MAXIM. EXISTING CONTACT PRESSURE: 200 kN/m²			
In case of inadequate or difficult soil conditions, e.g. clay or sliding ground, a specialist for soil mechanics is to be consulted. Leave construction joint surfaces and inner surfaces rough			
All elevations have to be checked on site! Minimum concrete cover 50mm base and 32mm columns All exposed corners to have a 10mmx20mm chamfer All dimensions in mm do not scale.			

[illegible]



Shape	Item	Piece	ø/mm	length	weight
	1	9	12	2.55 m	19 kg
	2	6	12	2.55 m	13 kg
	3	4	12	2.60 m	9 kg
	4	6	12	2.65 m	13 kg
	5	4	12	2.70 m	9 kg
	6	9	12	2.75 m	20 kg
	7	4	12	2.75 m	9 kg
	14	15	16	4.15 m	156 kg
	15	17	16	3.90 m	166 kg
	16	19	12	4.15 m	63 kg
	17	21	12	3.90 m	65 kg
	18	10	12	5.86 m	47 kg
	19	2	12	5.90 m	10 kg
	20	10	12	3.68 m	30 kg
	21	2	12	3.74 m	6 kg
	22	8	12	1.70 m	11 kg
	23	4	10	5.65 m	28 kg
TOTAL WEIGHT:					668 kg

Instructions f. bending of hooks 90°:

Representation of bending form:

Instructions f. bending:

Design bent hooks as standard hooks

Instr. f. bending of struct. steel S50 as per ÖNORM EN1992-1-1, 8.3:

End hook: Bent hook 150°: Bent hook 90°: Loop:

Bends, end hooks, bent hooks and loops on bars with: $ds \leq 16mm \dots D \geq 4ds$
 $ds \geq 20mm \dots D \geq 7ds$

Bending up: Hook addition: Bending around a bar of at least the same thickness: Sling:

Bending of bars with $ds \leq 12mm$ that enfold a bar of at least the same thickness. $\dots D \geq 3ds$.

Concrete grade: N32 Min. cube compressive strength 28 days: 32 N/mm² frost-resistant, max. ag size 20mm

REINFORCEMENT: Ribbed concrete steel, yield point 500N/mm² - 500plus

In case of transversal ground slopes, use lean concrete down to frost-proof depth.

MAXIM. EXISTING CONTACT PRESSURE: 200 kN/m²

In case of inadequate or difficult soil conditions, e.g. clay or sliding ground, a specialist for soil mechanics is to be consulted. Leave construction joint surfaces and inner surfaces rough

All elevations have to be checked on site!
Minimum concrete cover 50mm base and 32mm columns
All exposed corners to have a 20mmx20mm chamfer
All dimensions in mm do not scale.

IMPORTANT:

The drawing is only schematic!
Only the dimensions are applicable!

Vcolumn= 3.4 m³
Vbase= 6.1 m³
Vtotal=9.5 m³



IMPORTANT: Take into account the geotechnical engineering assessment

when executing the construction works of the foundation!

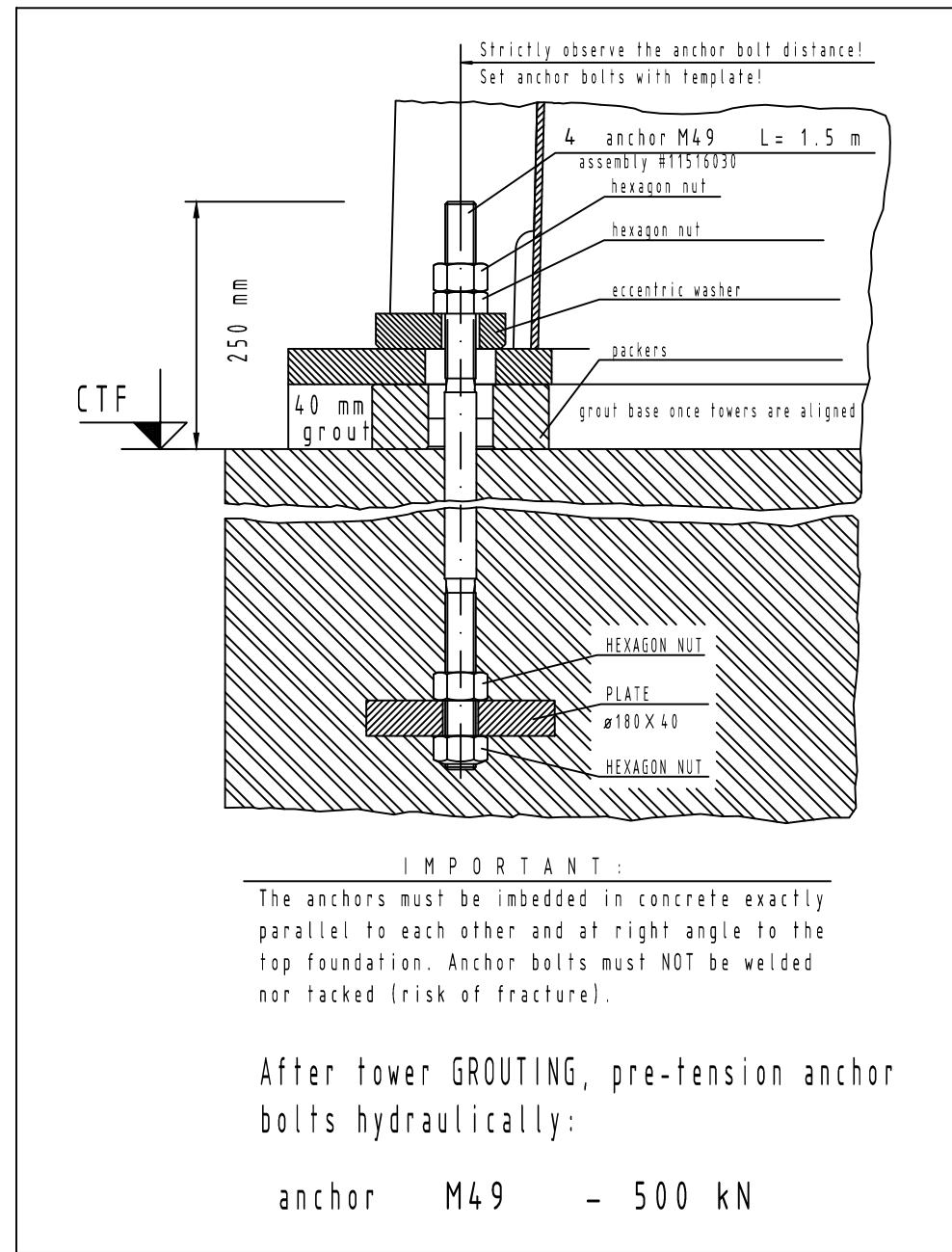
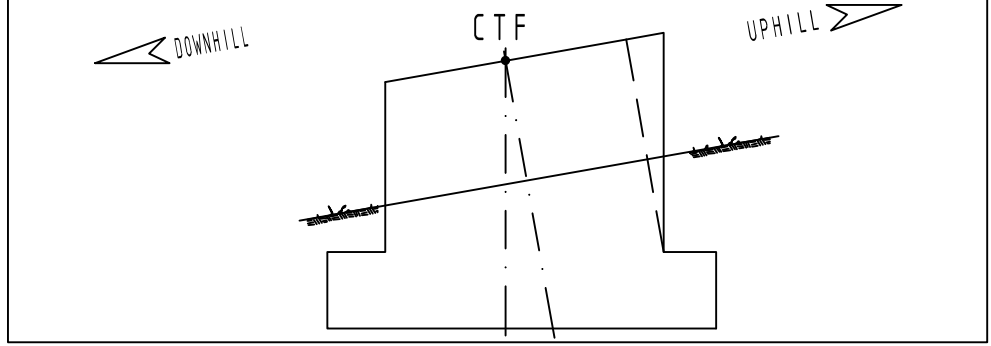
ENSURE FOUNDATION HAS EARTH BONDING

The foundation must be completely back-filled in equal layers on the entire surface below the CTF height.

The backfill load was considered - specific weight 16 kN/m³ in the calculation.

DISTANCE CTF TO GROUND: 640 mm

If the weight of backfill cannot be carried out in the hereby specified size, the load must be applied in a different way (e.g. concrete load)



4 anchor M49 delivery Doppelmayr

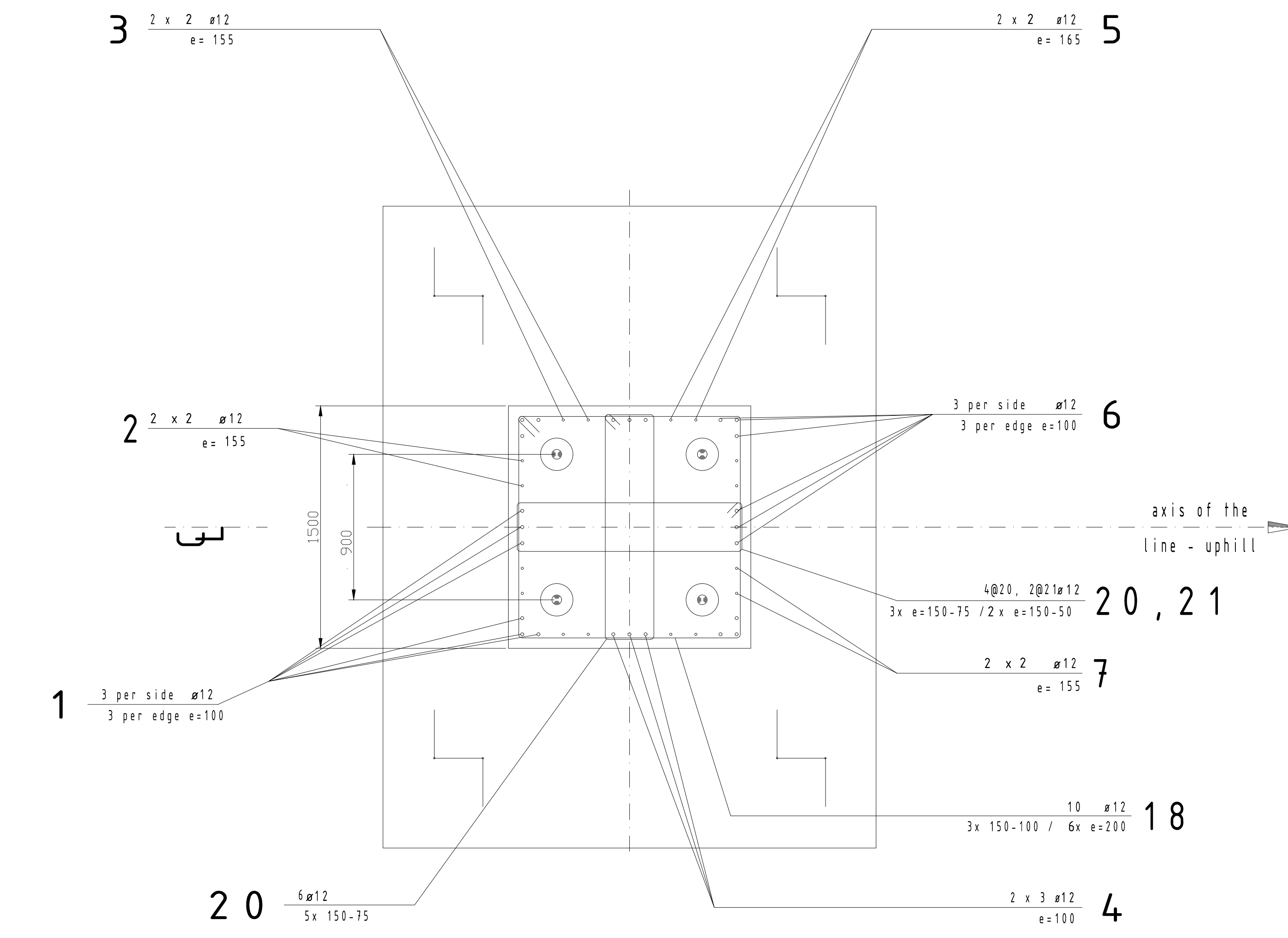
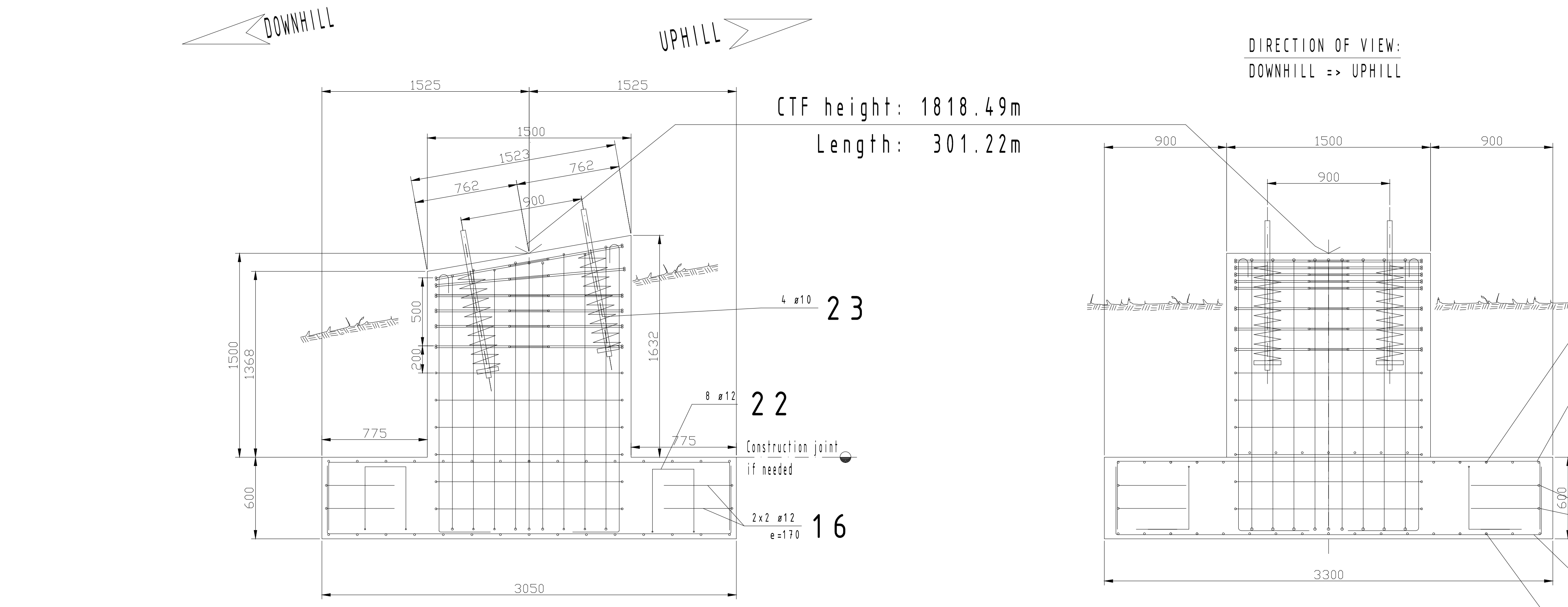
+ template for concrete work

Left Installation 10deg INCLINATION

ATTENTION:

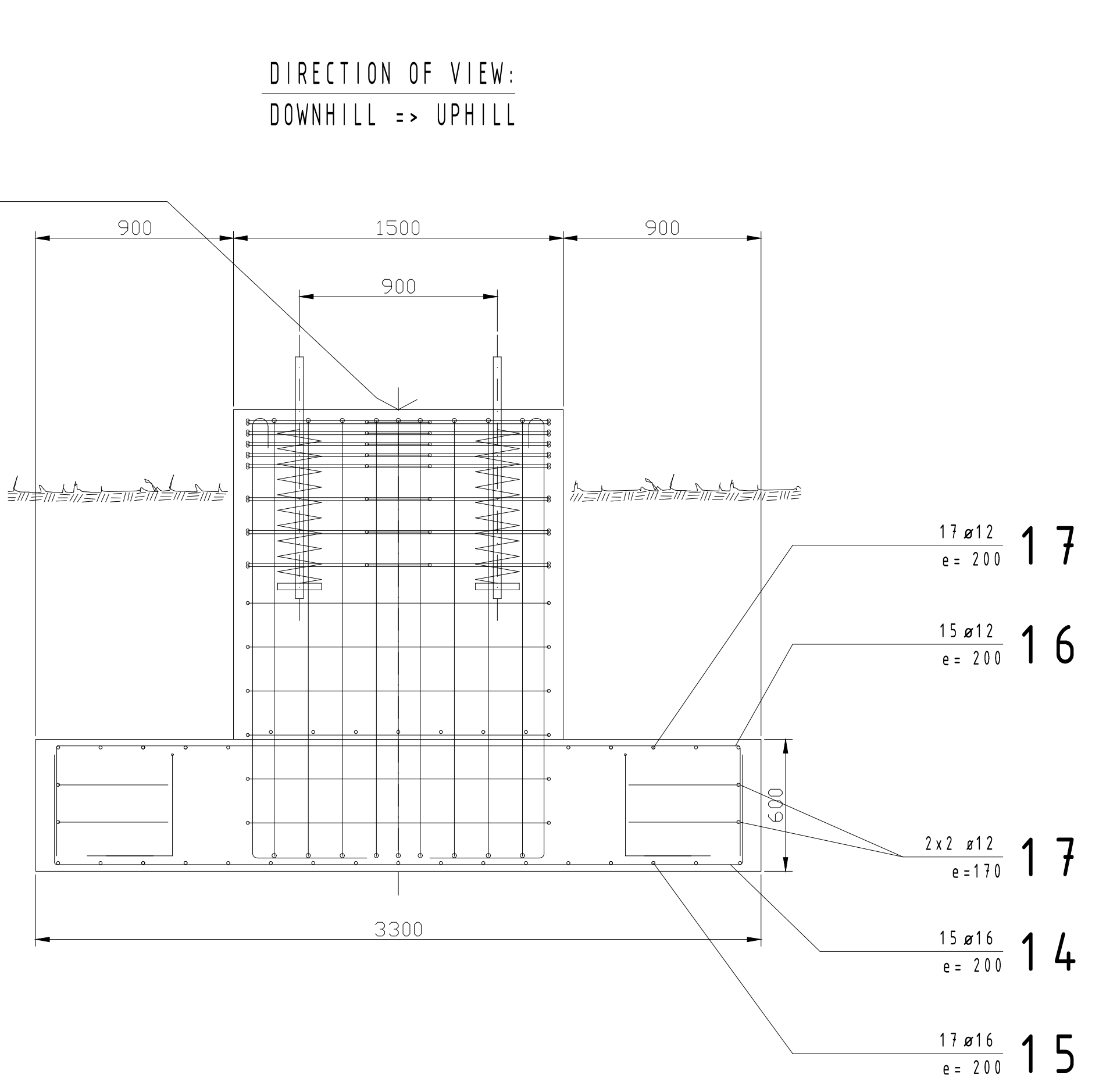
A suitably experienced and qualified engineer is required to inspect the foundation material during construction and verify that an allowable bearing pressure of not less than 200kN/m² is achieved.

Revision of Tower Foundation		01/12/2020	GMT		
Order	Revision	Date	Name	Configuration	
Doppelmayr		0			
Inventor: GUTHRIES DOUBLE CHAR		0			
Order: 2020-15	Price: X	kg			
TUBULAR TOWER FOUNDATION NO.: 2					
Shaft length 9.32m					
Gauge 4.00m					
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ATTENTION:

A suitably experienced and qualified engineer is required to inspect the foundation material during construction and verify that an allowable bearing pressure of not less than 200kN/m² is achieved.



Shape	Item	Piece	l[mm]	length	weight
	1	9	12	2.55 m	19 kg
	2	6	12	2.55 m	13 kg
	3	4	12	2.60 m	9 kg
	4	6	12	2.65 m	13 kg
	5	4	12	2.70 m	9 kg
	6	9	12	2.75 m	20 kg
	7	4	12	2.75 m	9 kg
	14	15	16	4.15 m	156 kg
	15	17	16	3.90 m	166 kg
	16	19	12	4.15 m	63 kg
	17	21	12	3.90 m	65 kg
	18	10	12	5.86 m	47 kg
	19	2	12	5.90 m	10 kg
	20	10	12	3.68 m	30 kg
	21	2	12	3.74 m	6 kg
	22	8	12	1.70 m	11 kg
	23	4	10	5.65 m	22 kg
TOTAL WEIGHT:					668 kg

Instructions f. bending of hooks 90°:

Representation of bending form:

Intructions f. bending:

Design bent hooks as standard hooks

Instr. f. bending of struct. steel S50 as per ÖNORM EN1992-1-1, 8.3:

End hook: Bent hook 150°: Bent hook 90°: Loop:

Bends, end hooks, bent hooks and loops on bars with: ds≤16mm.....D≥4ds ds≥20mm.....D≥7ds

Hook addition: Bending up: Bending around a bar of at least the same thickness: Sling:

Bending of bars with ds≤12mm that enfold a bar of at least the same thickness.....D≥/≥3ds.

Concrete grade: N32 Min. cube compressive strength 28 days: 32 N/mm² frost-resistant, max. ag size 20mm

REINFORCEMENT: Ribbed concrete steel, yield point 500N/mm² - 500plus

In case of transversal ground slopes, use lean concrete down to frost-proof depth.

MAXIM. EXISTING CONTACT PRESSURE: 200 kN/m²

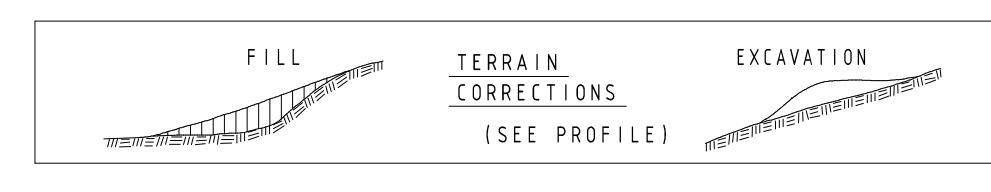
In case of inadequate or difficult soil conditions, e.g. clay or sliding ground, a specialist for soil mechanics is to be consulted. Leave construction joint surfaces and inner surfaces rough

All elevations have to be checked on site!
Minimum concrete cover 50mm base and 32mm columns
All exposed corners to have a 20mmx20mm chamfer
All dimensions in mm do not scale.

IMPORTANT:

The drawing is only schematic!
Only the dimensions are applicable!

Vcolumn= 3.4 m³
Vbase= 6.1 m³
Vtotal=9.5 m³



IMPORTANT:Take into account the geotechnical engineering assessment

when executing the construction works of the foundation!

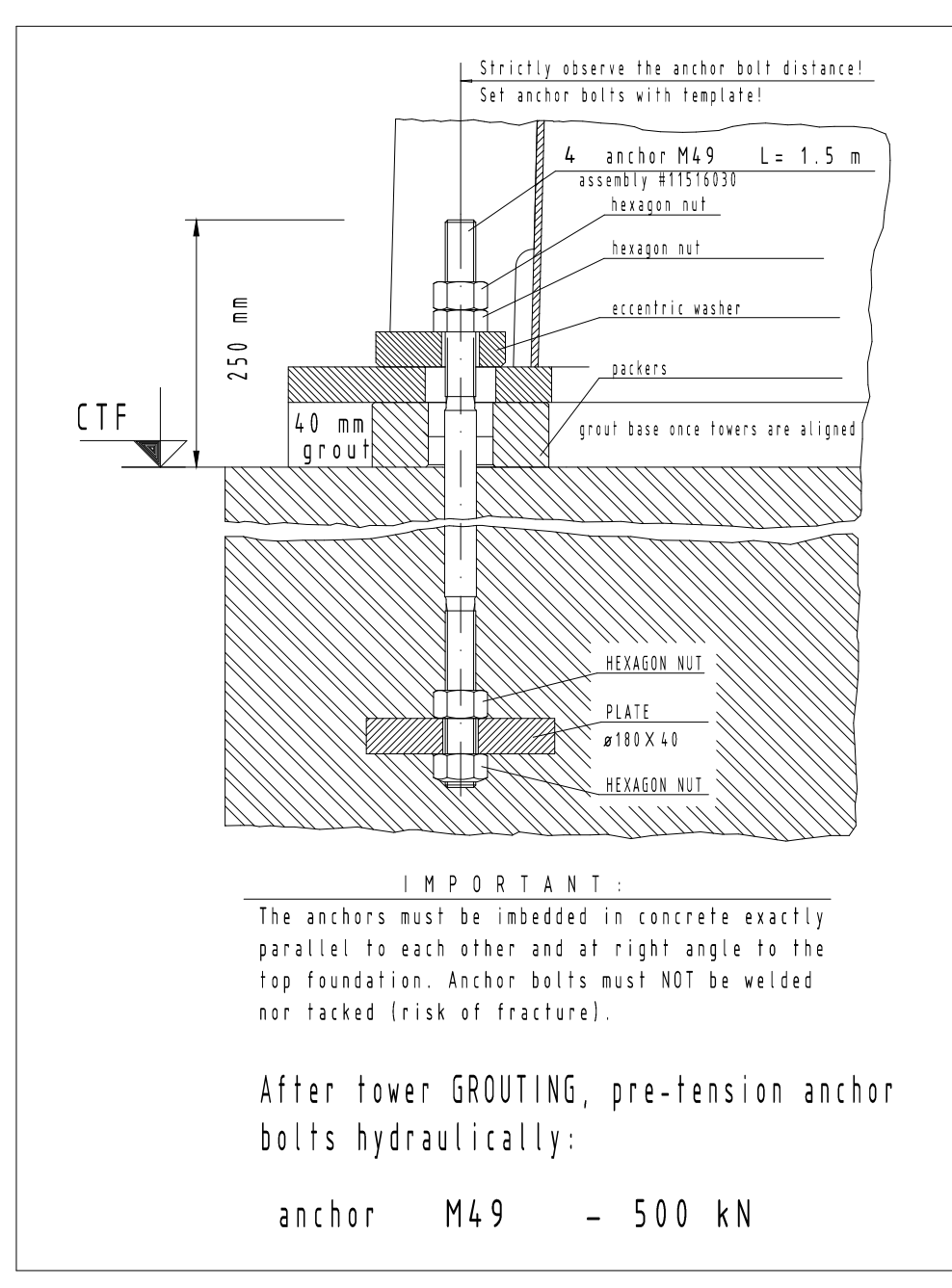
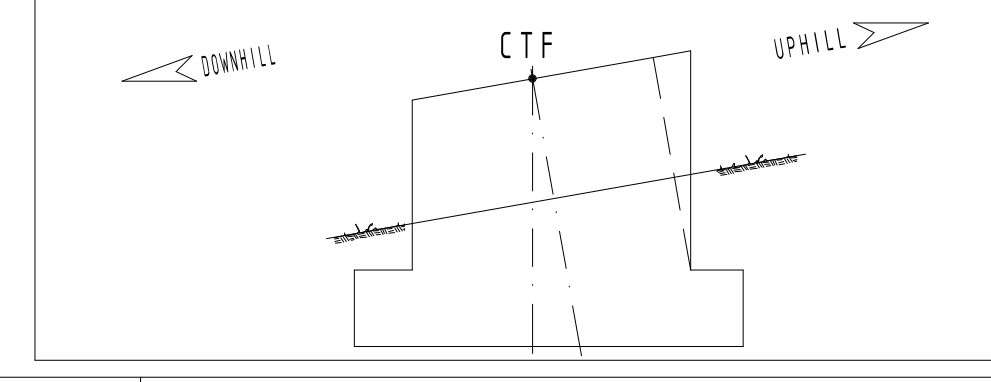
ENSURE FOUNDATION HAS EARTH BONDING

The foundation must be completely back-filled in equal layers on the entire surface below the CTF height.

The backfill load was considered - [specific weight 16 kN/m³] in the calculation.

DISTANCE CTF TO GROUND: 480 mm

If the weight of backfill cannot be carried out in the hereby specified size, the load must be applied in a different way (e.g. concrete load)



4 anchor M49 delivery Doppelmayr

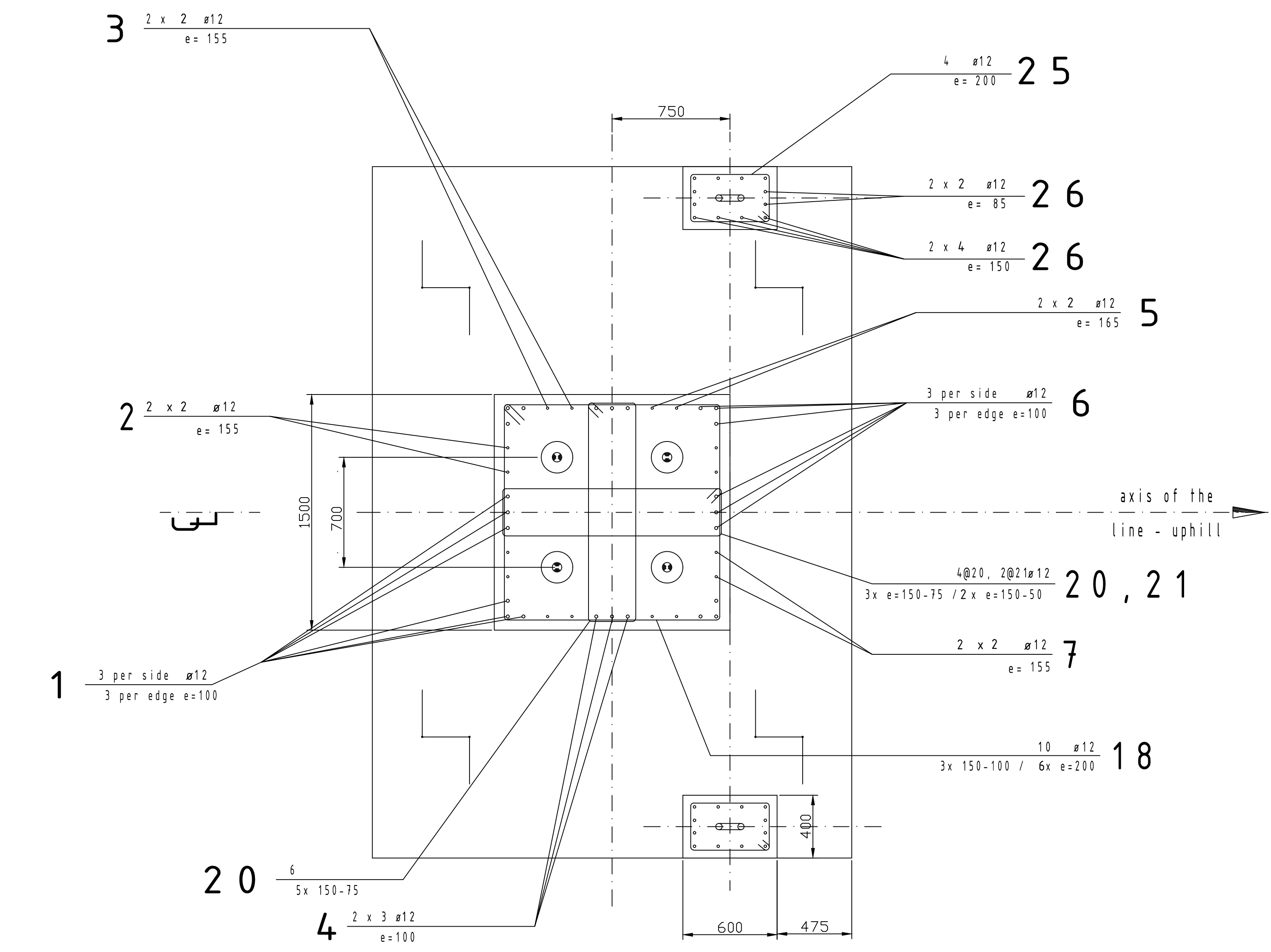
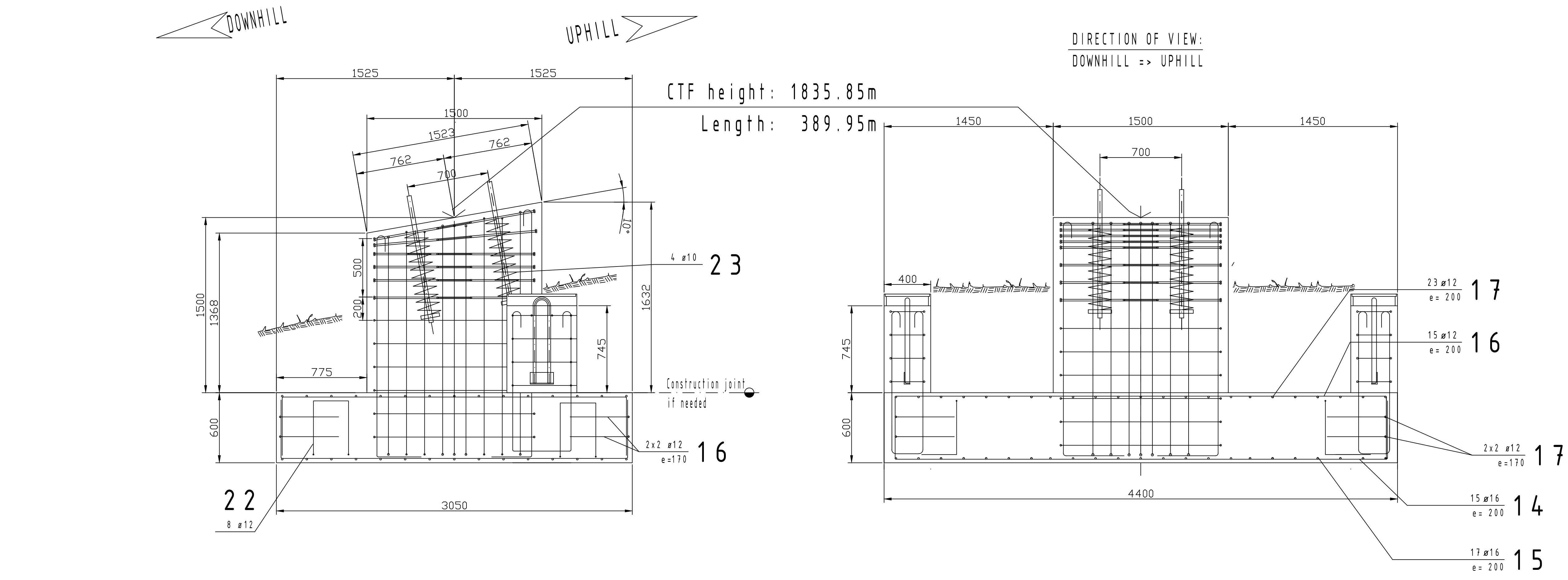
+ template for concrete work

Left Installation 10deg INCLINATION

The foundations must be surveyed in terrain exactly according to the specified CTF heights and lengths. CTF height = 30 mm, CTF width = 10 mm, cross width = 20 mm, angle = 0.5°.

N.B.: The foundation dimensions are absolute minimum requirements!

Index	Revision	Date	Name	Configuration	Scale	Blank	Scale	Scale	Scale
0					1/20				
Location	GUTHRIES DOUBLE CHAR	Order	2020-15	Price	X	kg	First marks	Plot	Plot
TUBULAR TOWER FOUNDATION NO.: 4									
Shaft length	10.79m								
Gauge	4.00m								
Project drawing									
2020-15-C-008									
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Shape	Item	Piece	ø/mm	length	weight
	1	9	12	2.55 m	19 kg
	2	6	12	2.55 m	13 kg
	3	4	12	2.60 m	9 kg
	4	6	12	2.65 m	13 kg
	5	4	12	2.70 m	9 kg
	6	9	12	2.75 m	20 kg
	7	4	12	2.75 m	9 kg
	14	15	16	5.30m	199 kg
	16	19	12	5.30 m	80 kg
	17	27	12	3.90 m	84 kg
	18	10	12	5.86 m	47 kg
	19	2	12	5.90 m	10 kg
	20	10	12	3.68 m	30 kg
	21	2	12	3.74 m	6 kg
	22	8	12	1.70 m	11 kg
	23	4	10	5.65 m	28 kg
	24	2	35		
	25	8	12	1.90 m	13 kg
	26	16	16	1.50 m	18 kg
TOTAL WEIGHT:					756 kg

Instructions f. bending of hooks 90°:

Representation of bending form:

Instructions f. bending:

X...standard hook length
B...width of hook
H...height of hook

Design bent hooks as standard hooks

Instr. f. bending of struct. steel S50 as per ÖNORM EN1992-1-1, 8.3:

End hook:

Bent hook 150°:

Bent hook 90°:

Loop:

Bends, end hooks, bent hooks and loops on bars with: ds≤16mm.....D≥4ds
ds≥20mm.....D≥7ds

Bending up:

Hook addition:

Bending around a bar of at least the same thickness:

Sling:

Bending of bars with ds≤12mm that enfold a bar of at least the same thickness.....D≥3ds.

Concrete grade: N32 Min. cube compressive strength 28 days: 32 N/mm² frost-resistant, max. ag size 20mm

REINFORCEMENT: Ribbed concrete steel, yield point 500N/mm² - 500plus

In case of transversal ground slopes, use lean concrete down to frost-proof depth.

MAXIM. EXISTING CONTACT PRESSURE: 200 kN/m²

In case of inadequate or difficult soil conditions, e.g. clay or sliding ground, a specialist for soil mechanics is to be consulted. Leave construction joint surfaces and inner surfaces rough

All elevations have to be checked on site!
Minimum concrete cover 50mm base and 32mm columns
All exposed corners to have a 20mmx20mm chamfer
All dimensions in mm do not scale.

Remarks:

The company executing the works is obliged to point out any inconsistencies between this drawing, the architect's drawings or drawings of other expert engineers resp. the local conditions on the constructions site.

IMPORTANT:

The drawing is only schematic!
Only the dimensions are applicable!

Vcolumn= 3.4 m³
Vbase= 8.1 m³
Vhold=0.4 m³
Vtotal=11.9 m



IMPORTANT: Take into account the geotechnical engineering assessment

when executing the construction works of the foundation!

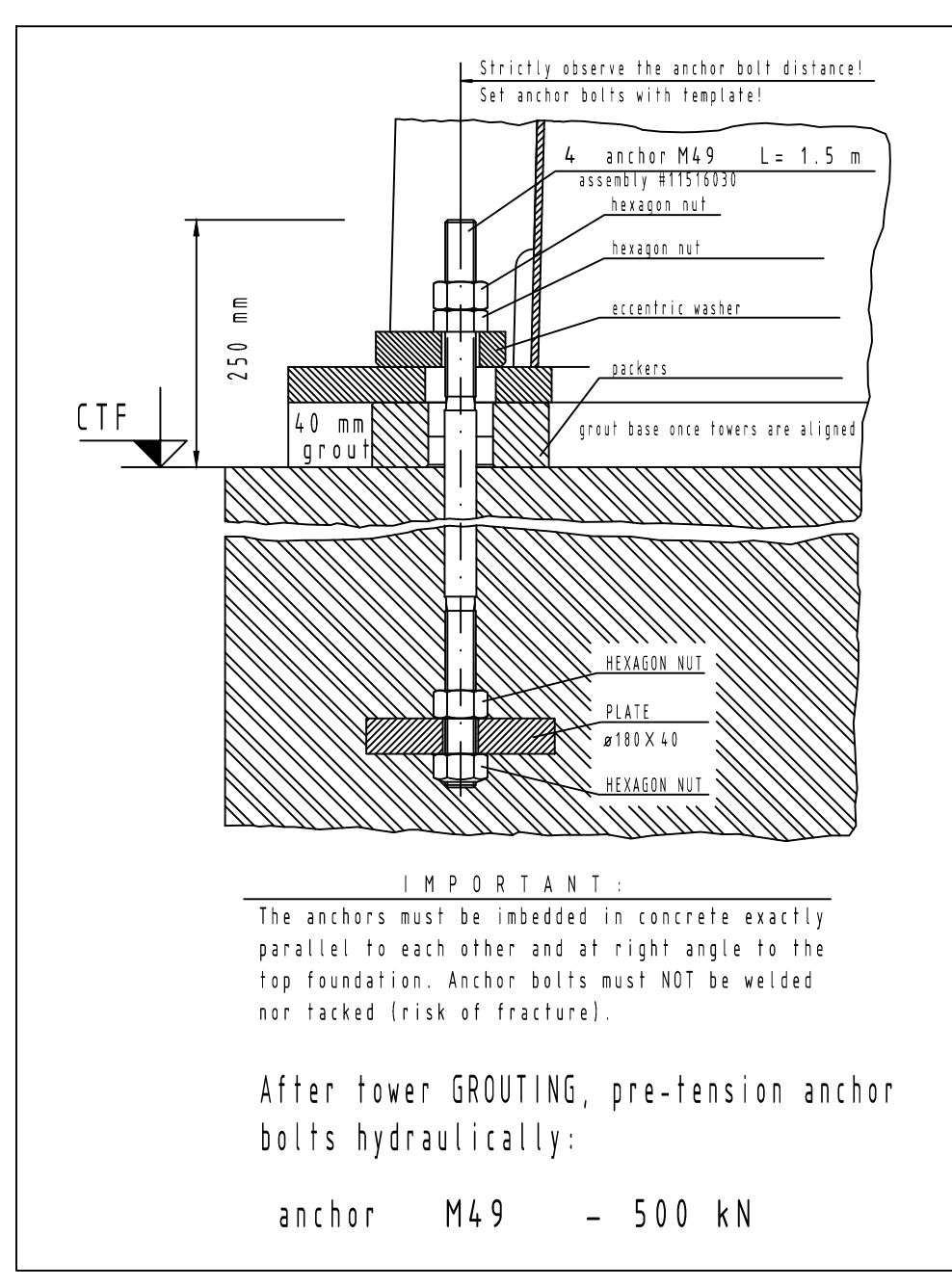
ENSURE FOUNDATION HAS EARTH BONDING

The foundation must be completely back-filled in equal layers on the entire surface below the CTF height.

The backfill load was considered in the calculation. specific weight 16 kN/m³

DISTANCE CTF TO GROUND: 940 mm

If the weight of backfill cannot be carried out in the hereby specified size, the load must be applied in a different way (e.g. concrete load)



4 anchor M49 delivery Doppelmayr

+ template for concrete work

Left Installation 10deg INCLINATION

ATTENTION:

A suitably experienced and qualified engineer is required to inspect the foundation material during construction and verify that an allowable bearing pressure of not less than 200kN/m² is achieved.

The foundations must be surveyed in terrain exactly according to the specified CTF heights and lengths.
CTF height = 1835.85m, CTF width = 18.00m, cross width = 2.00m, angle = 0.0°
N.B.: The foundation dimensions are absolute minimum requirements!

Order	Revision	Date	Name	Configuration	Scale	Drawn	Check	Date	Name
0									

Manufacturer: GUTHRIES DOUBLE CHAR

Order: 2020-15

Price: X

Weight: kg

First drawing: =Plot file=

TUBULAR TOWER FOUNDATION NO.: 5

Shaft length: 7.45m

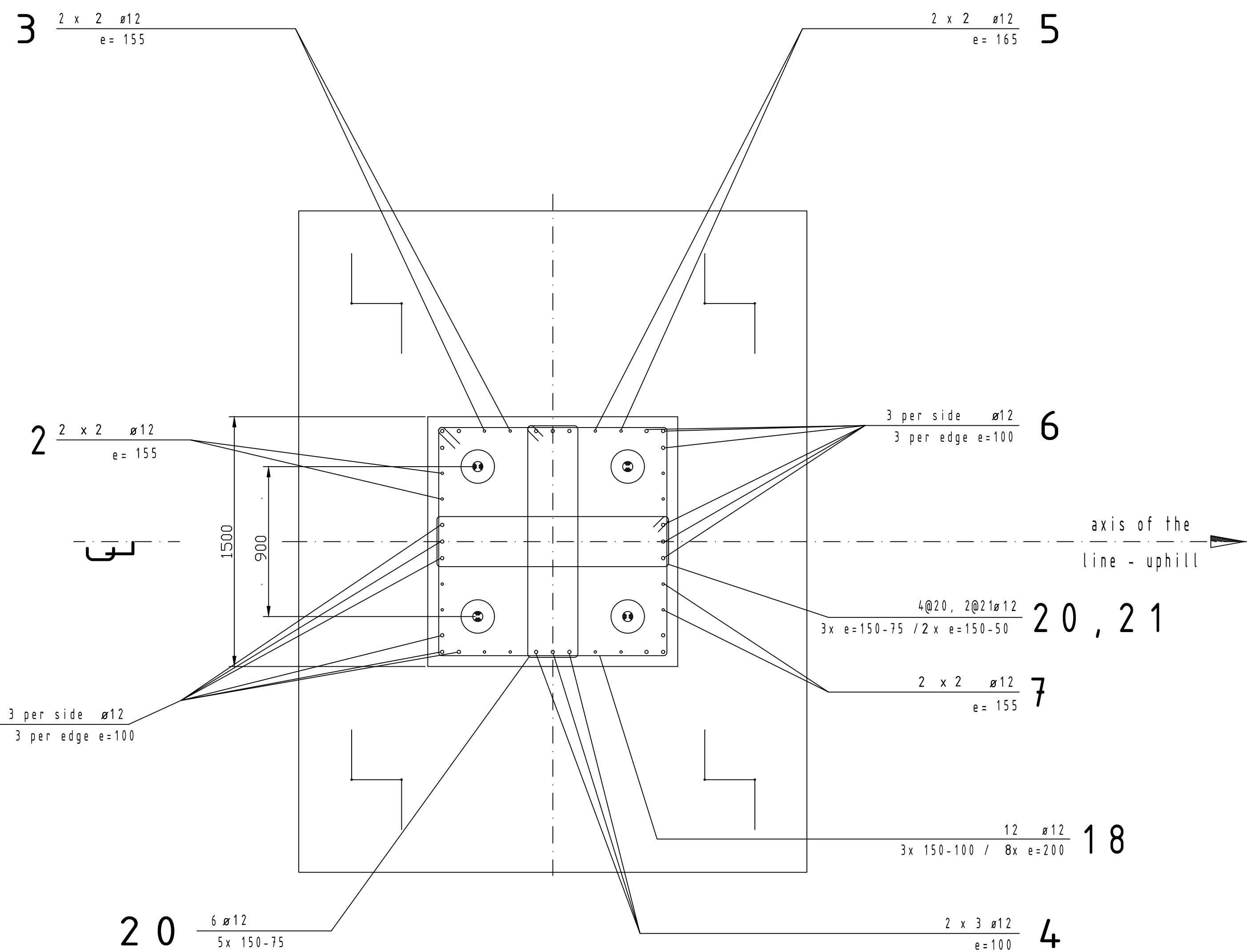
Gauge: 4.00m

Project drawing: 13 M

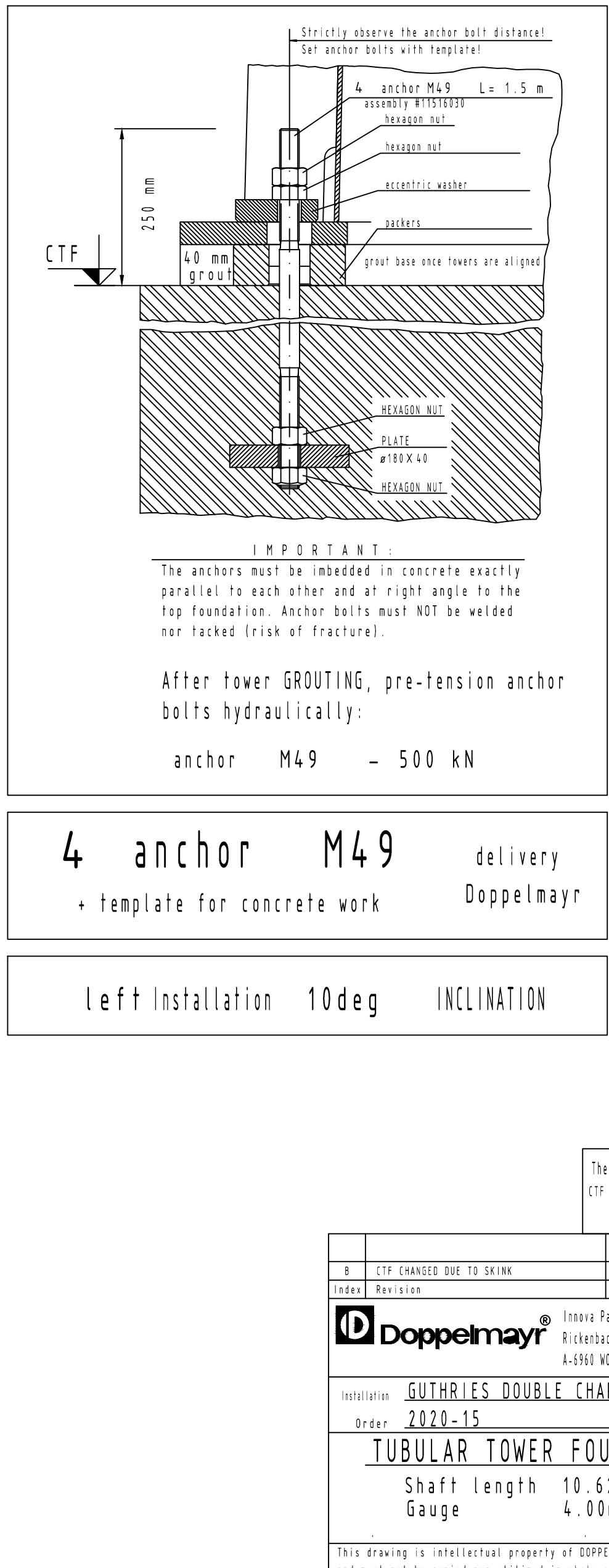
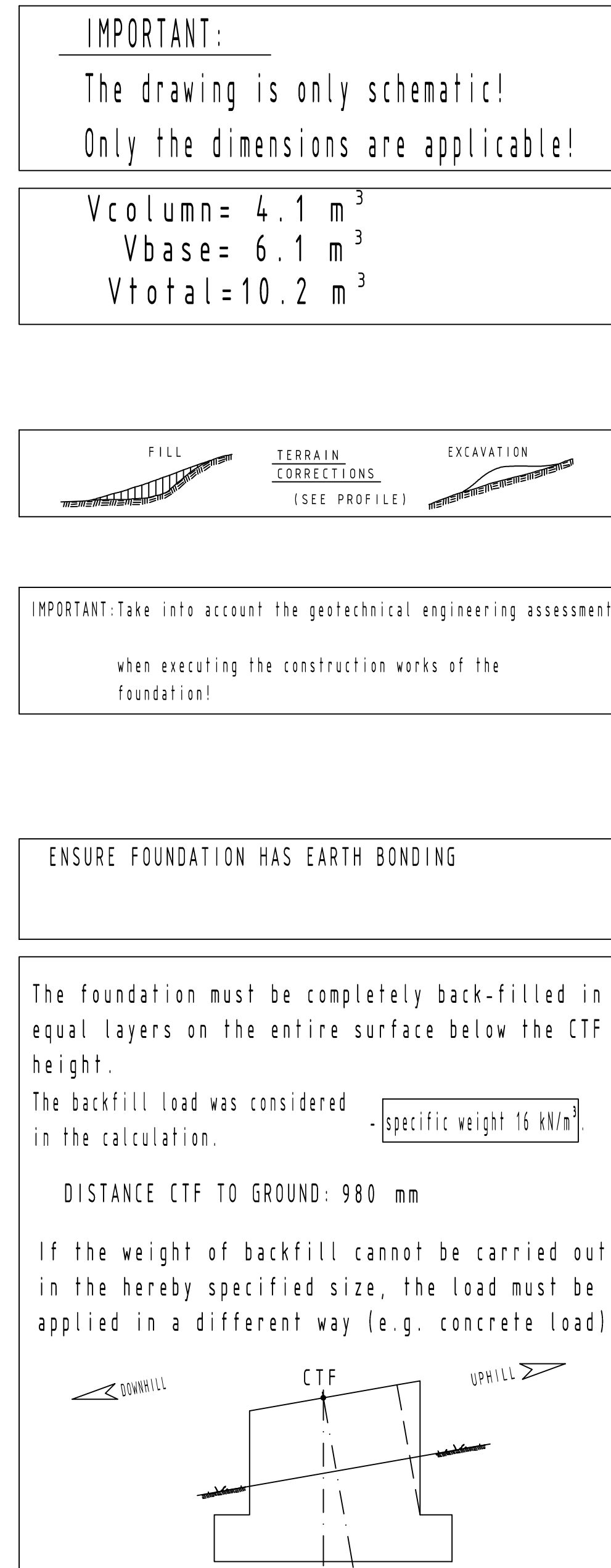
Design No: 2020-15-C-009

Issue: A

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A suitably experienced and qualified engineer is required to inspect the foundation material during construction and verify that an allowable bearing pressure of not less than 200kN/m^2 is achieved.

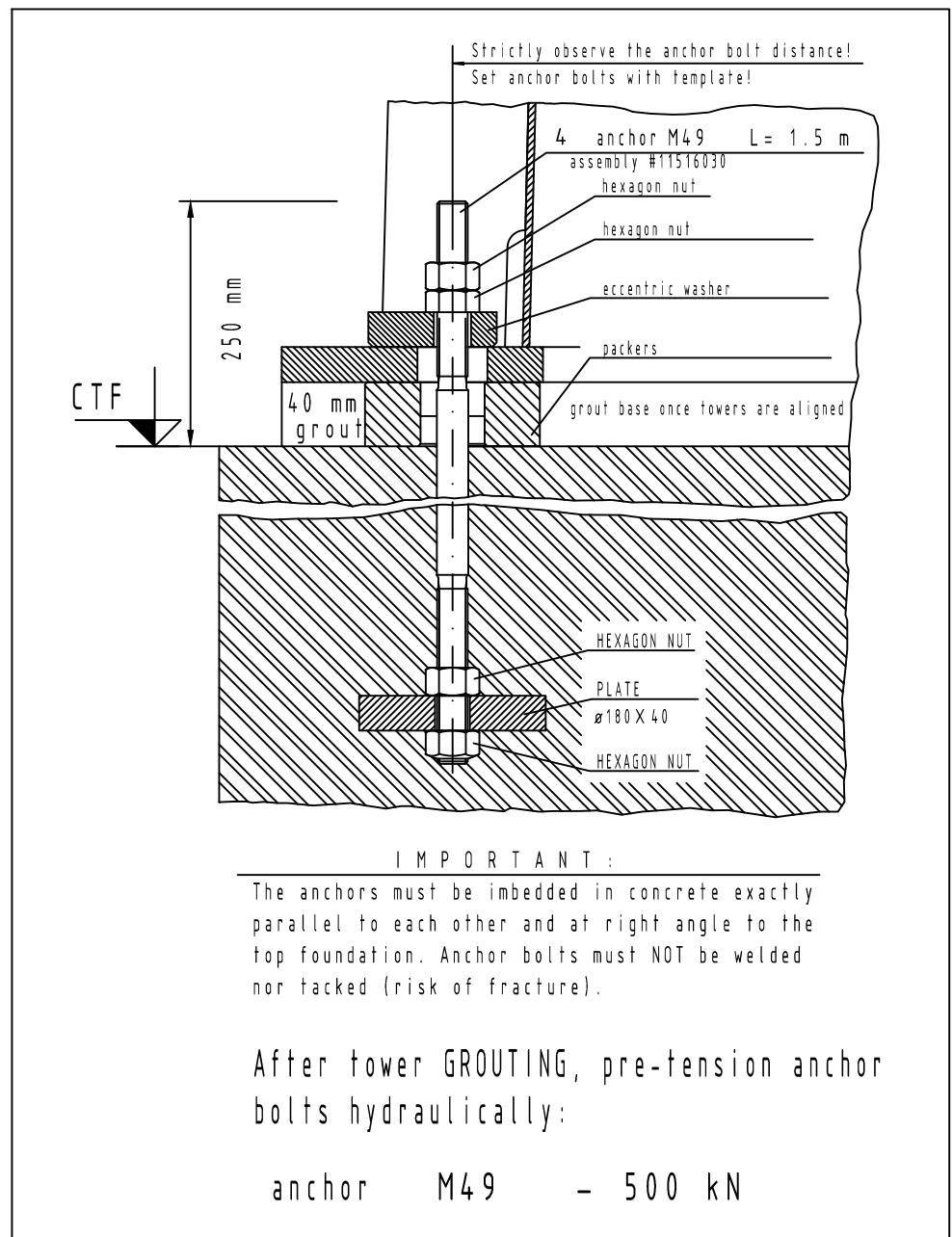


Remarks :

The company executing the works is obliged to point out any inconsistencies between this drawing, the architect's drawings or drawings of other expert engineers resp. the local conditions on the constructions site.

IMPORTANT:
 The drawing is only schematic!
 Only the dimensions are applicable!

Vcolumn= 4.1 m³
 Vbase= 6.1 m³
 Vtotal= 10.2 m³



ENSURE FOUNDATION HAS EARTH BONDING

4 anchor M49	delivery Doppelmayr
+ template for concrete work	

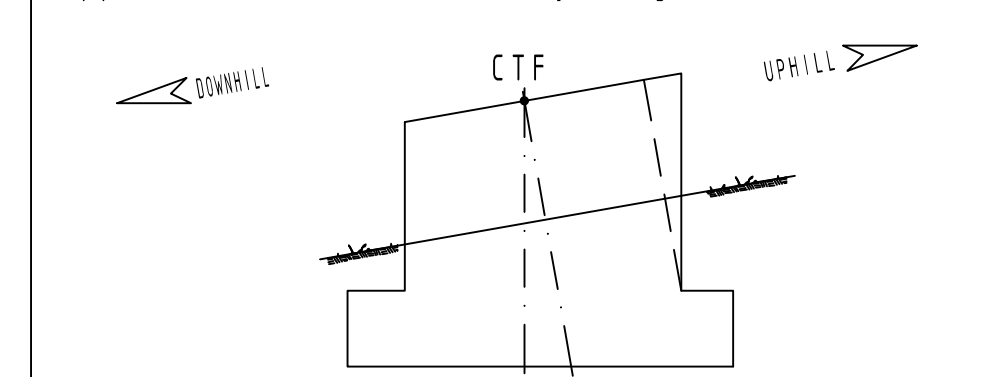
left Installation 10deg INCLINATION

The foundation must be completely back-filled in equal layers on the entire surface below the CTF height.

The backfill load was considered in the calculation.

- specific weight 16 kN/m^3

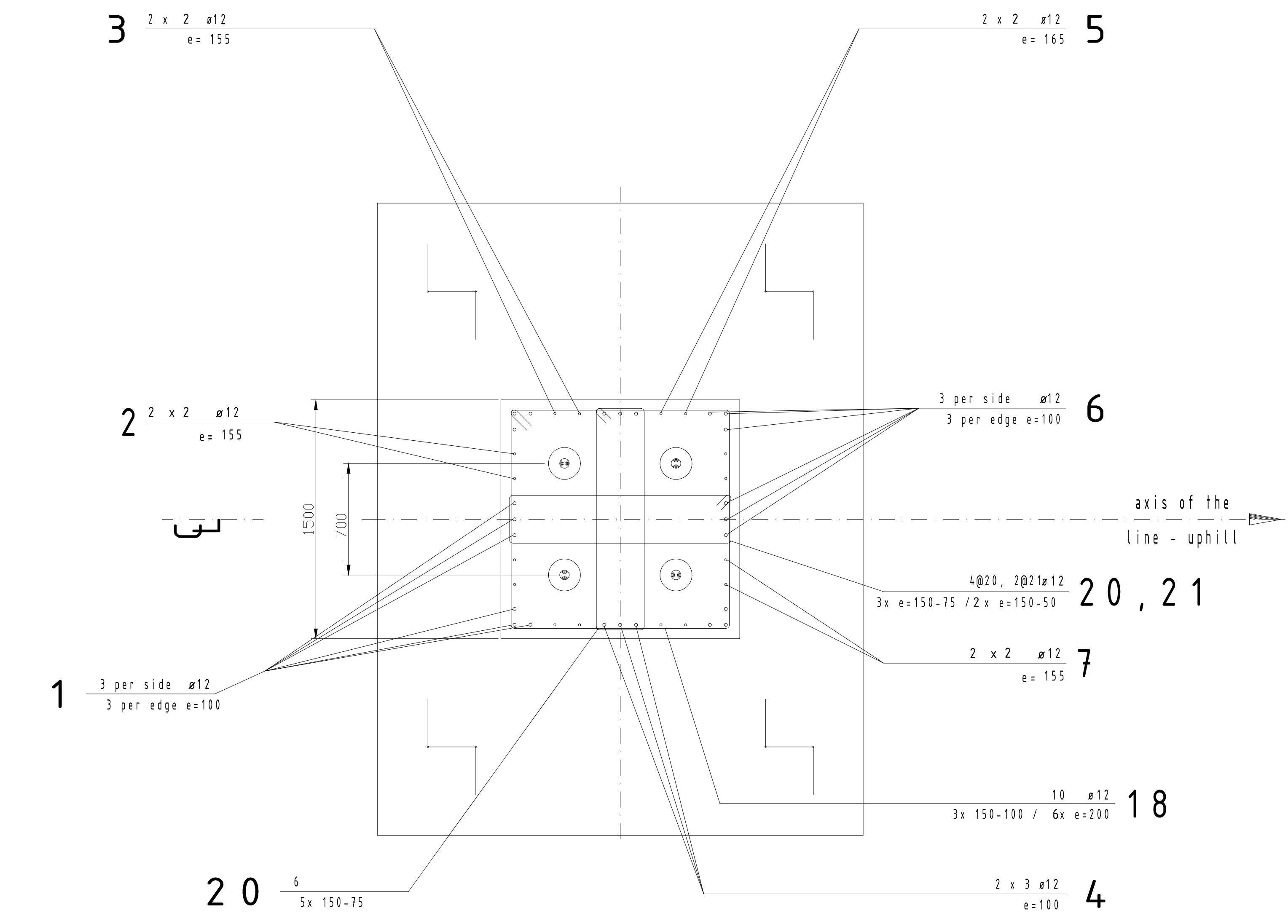
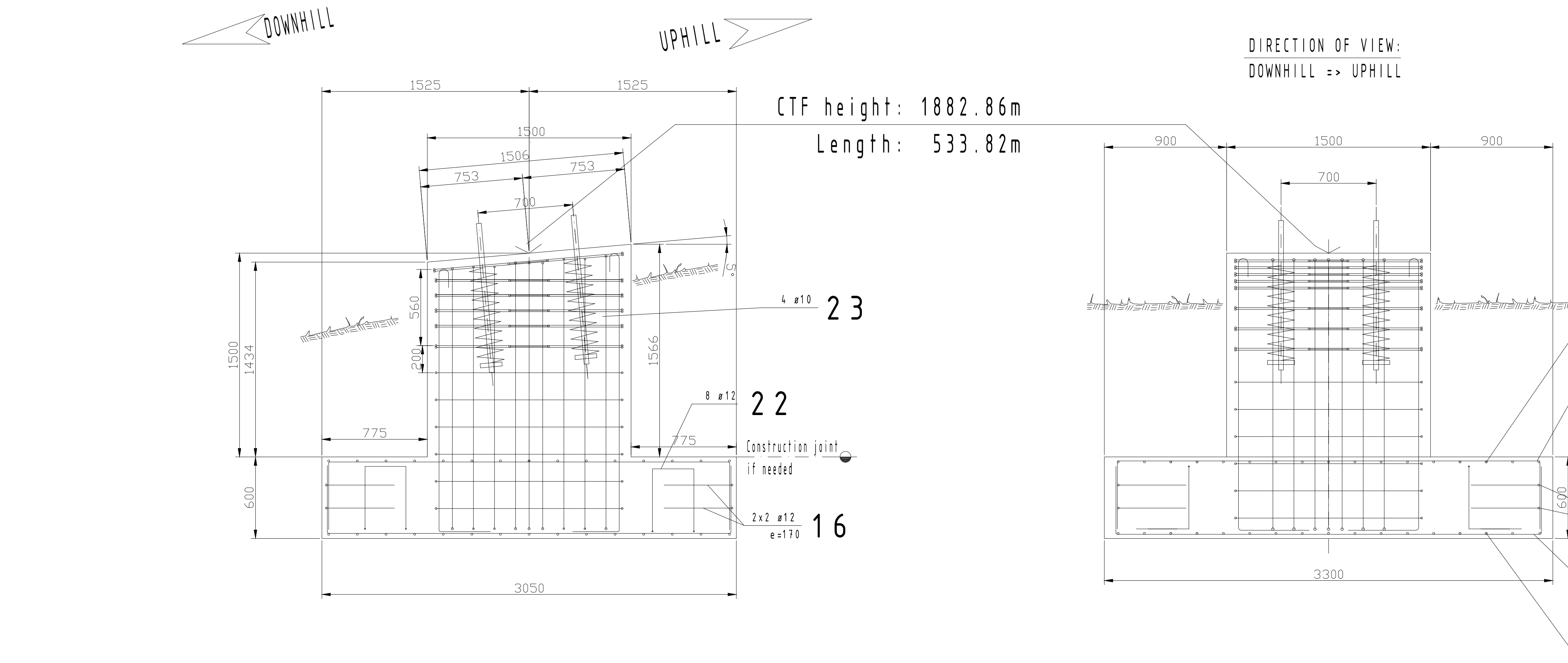
If the weight of backfill cannot be carried out in the hereby specified size, the load must be applied in a different way (e.g. concrete load)



N.B.: The foundation dimensions are absolute minimum requirements!

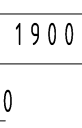
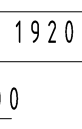
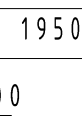
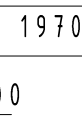
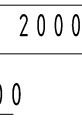
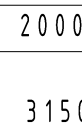
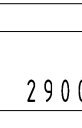
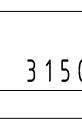
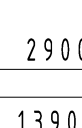
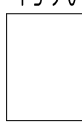
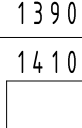
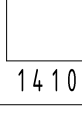
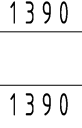
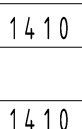
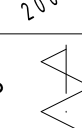
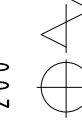
[illegible]

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ATTENTION:

A suitably experienced and qualified engineer is required to inspect the foundation material during construction and verify that an allowable bearing pressure of not less than 200kN/m² is achieved.

Shape	Item	Piece	l[mm]	length	weight
	200	1	9	12	2.60 m
	1900	2	6	12	2.60 m
	200	3	4	12	2.62 m
	1920	4	6	12	2.65 m
	200	5	4	12	2.67 m
	1970	6	9	12	2.70 m
	200	7	4	12	2.70 m
	2000	14	15	16	4.15 m
	500	15	17	16	3.90 m
	500	16	19	12	4.15 m
	500	17	21	12	3.90 m
	1390	18	11	12	5.86 m
	1390	19	1	12	5.90 m
	1410	20	11	12	3.68 m
	1390	21	1	12	3.74 m
	200	22	8	12	1.70 m
	200	23	4	10	5.65 m
TOTAL WEIGHT:					668 kg

Instructions f. bending of hooks 90°:

Representation of bending form:

Intructions f. bending:

X...standard hook length
B...width of hook
H...height of hook

Design bent hooks as standard hooks

Instr. f. bending of struct. steel S50 as per ÖNORM EN1992-1-1, 8.3:

End hook: Bent hook 150°: Bent hook 90°: Loop:

Bends, end hooks, bent hooks and loops on bars with: ds≤16mm.....D≥4ds
ds≥20mm.....D≥7ds

Hook addition: Bending around a bar of at least the same thickness: Sling:

Bending of bars with ds≤12mm that enfold a bar of at least the same thickness.....D≥/≥3ds.

Concrete grade: N32 Min. cube compressive strength 28 days: 32 N/mm² frost-resistant, max. ag size 20mm

REINFORCEMENT: Ribbed concrete steel, yield point 500N/mm² - 500plus

In case of transversal ground slopes, use lean concrete down to frost-proof depth.

MAXIM. EXISTING CONTACT PRESSURE: 200 kN/m²

In case of inadequate or difficult soil conditions, e.g. clay or sliding ground, a specialist for soil mechanics is to be consulted. Leave construction joint surfaces and inner surfaces rough

All elevations have to be checked on site!
Minimum concrete cover 50mm base and 32mm columns
All exposed corners to have a 20mmx20mm chamfer
All dimensions in mm do not scale.

Remarks:

The company executing the works is obliged to point out any inconsistencies between this drawing, the architect's drawings or drawings of other expert engineers resp. the local conditions on the constructions site.

IMPORTANT:

The drawing is only schematic!
Only the dimensions are applicable!

Vcolumn= 3.4 m³
Vbase= 6.1 m³
Vtotal=9.5 m³



IMPORTANT:Take into account the geotechnical engineering assessment

when executing the construction works of the foundation!

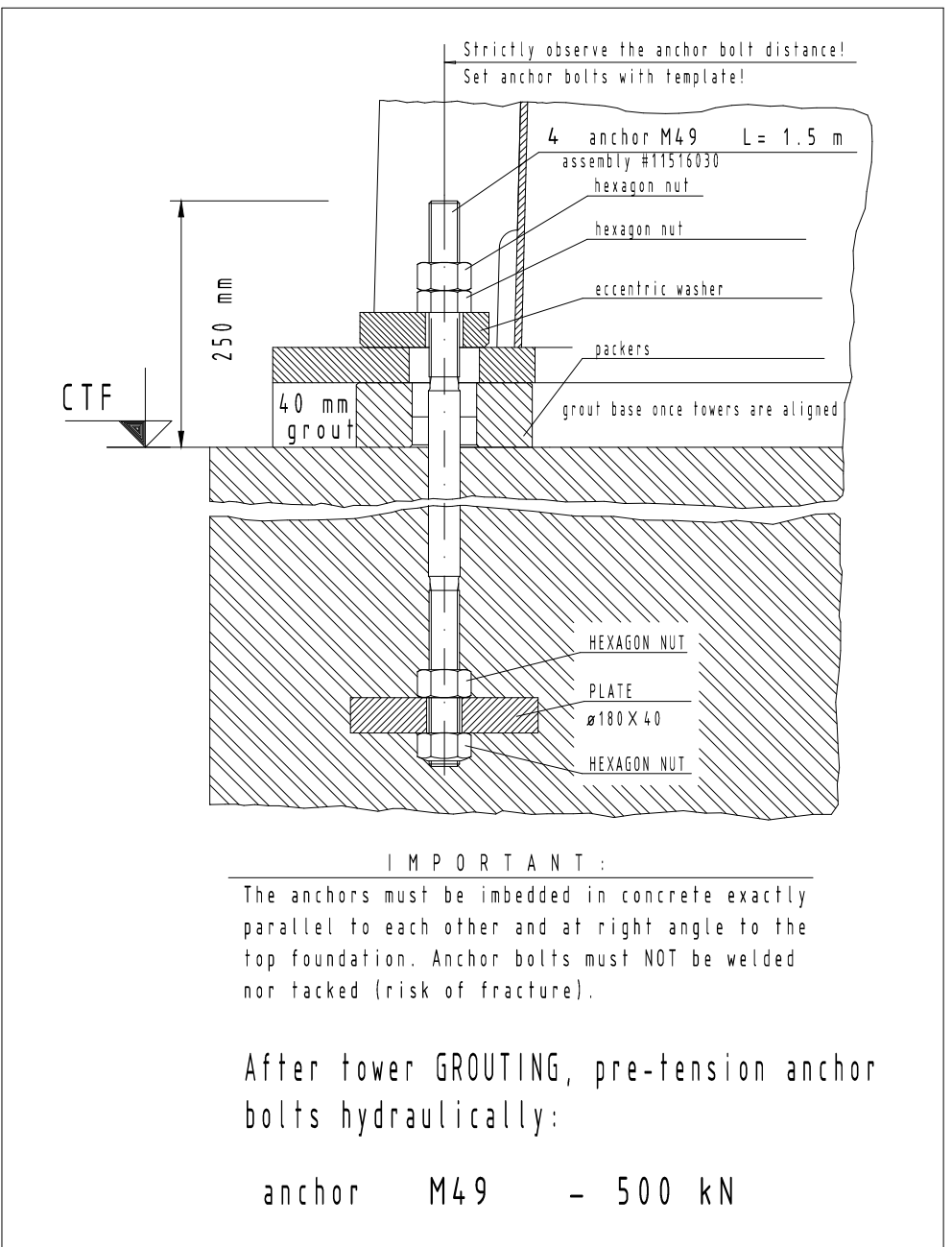
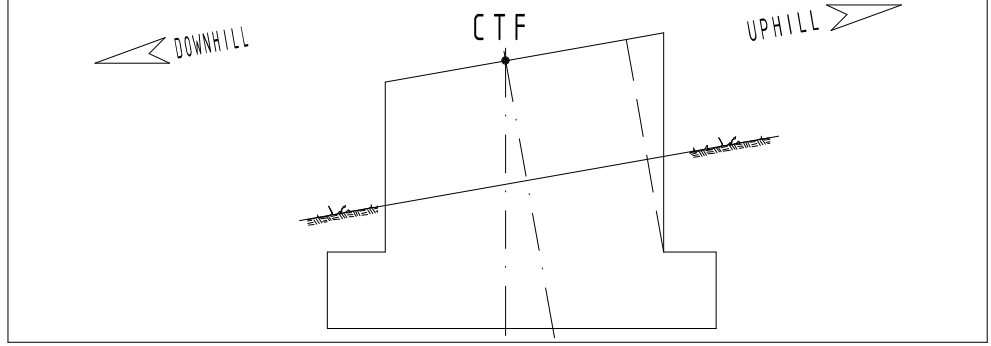
ENSURE FOUNDATION HAS EARTH BONDING

The foundation must be completely back-filled in equal layers on the entire surface below the CTF height.

The backfill load was considered - [specific weight 16 kN/m³] in the calculation.

DISTANCE CTF TO GROUND: 470 mm

If the weight of backfill cannot be carried out in the hereby specified size, the load must be applied in a different way (e.g. concrete load)



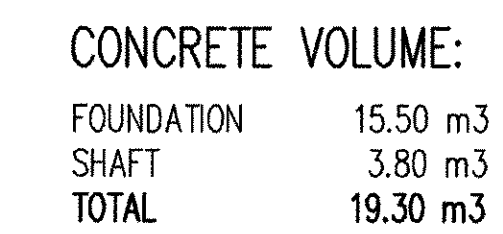
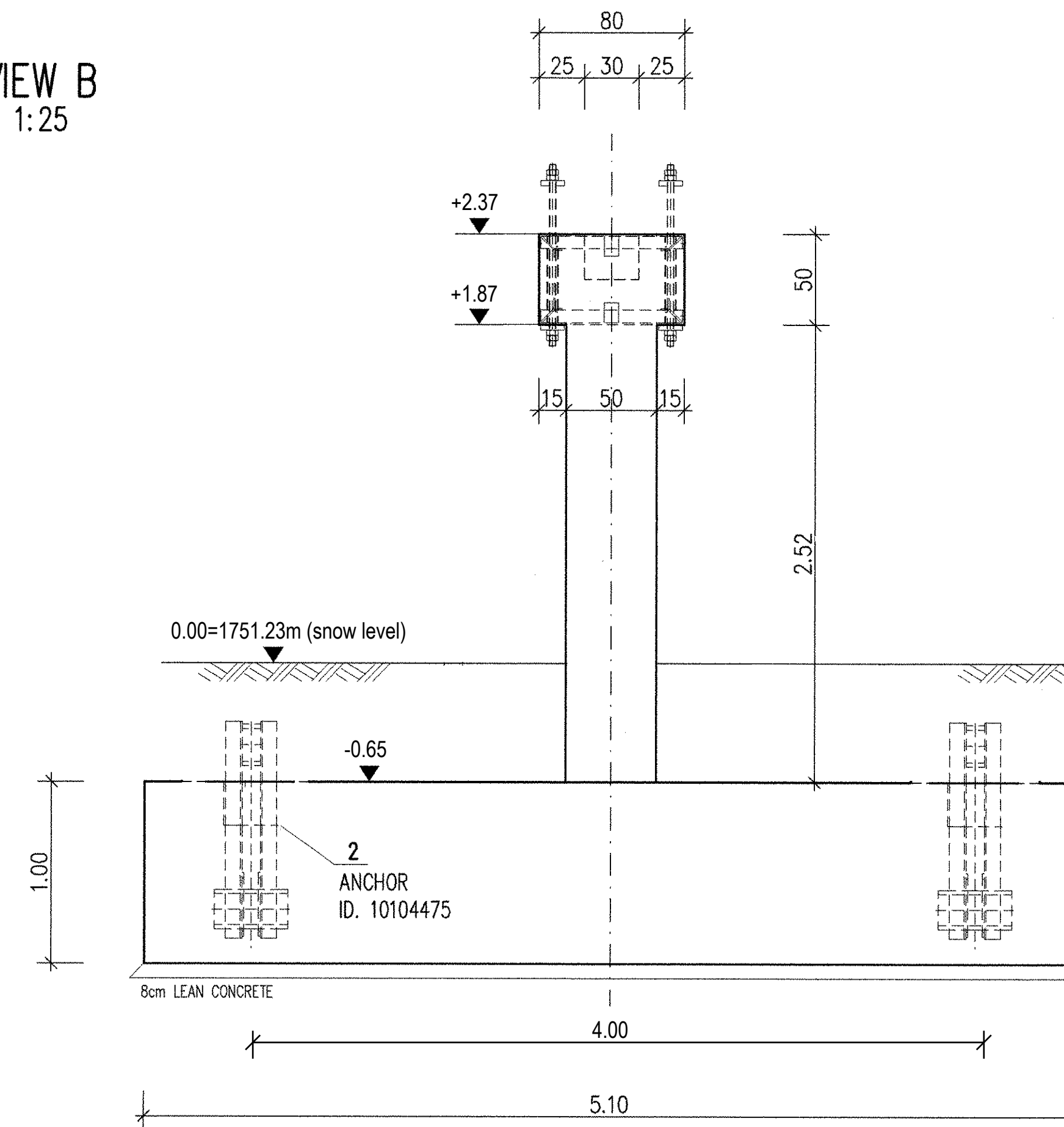
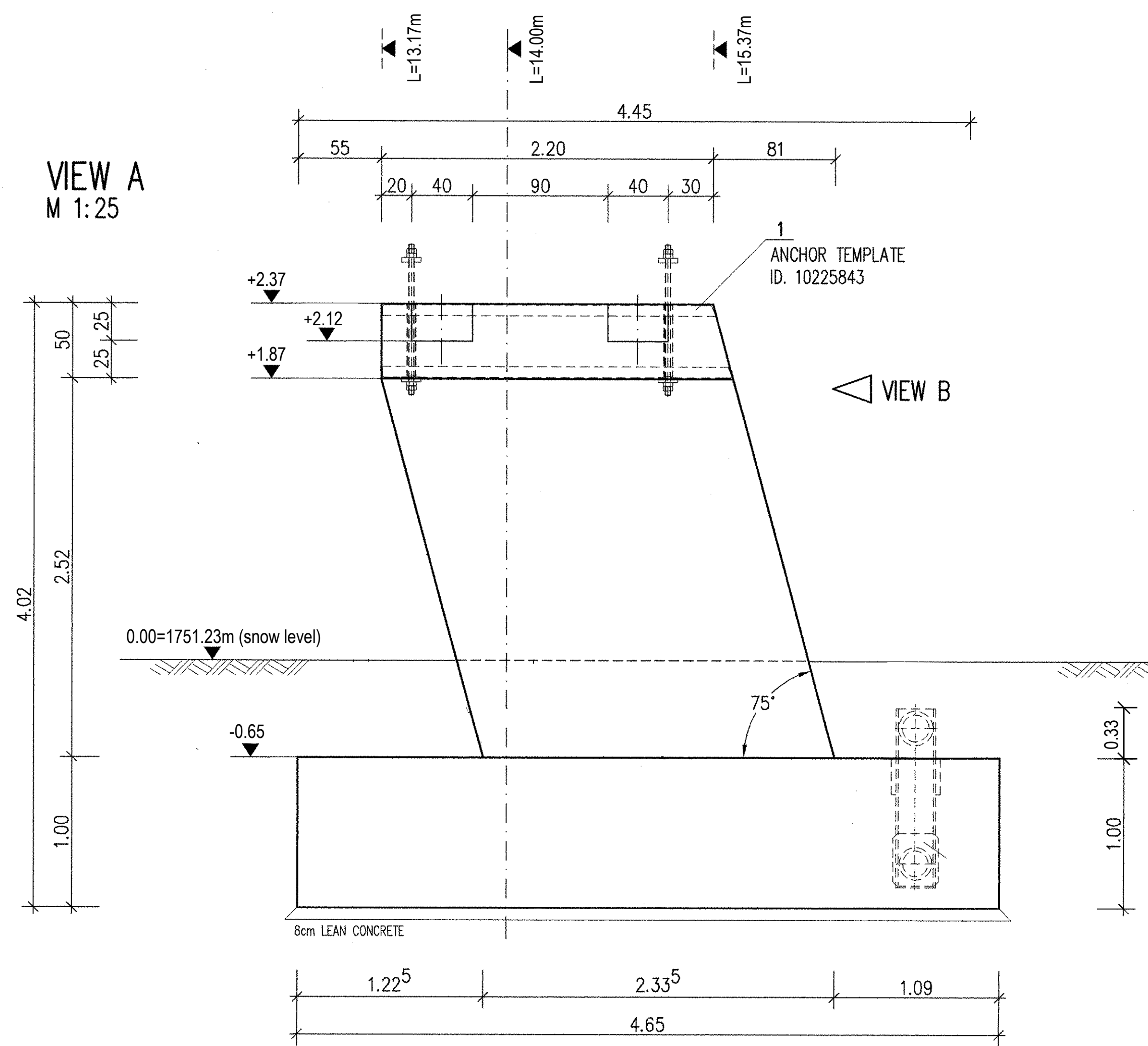
4 anchor M49 delivery
+ template for concrete work Doppelmayr

Left Installation 5deg INCLINATION

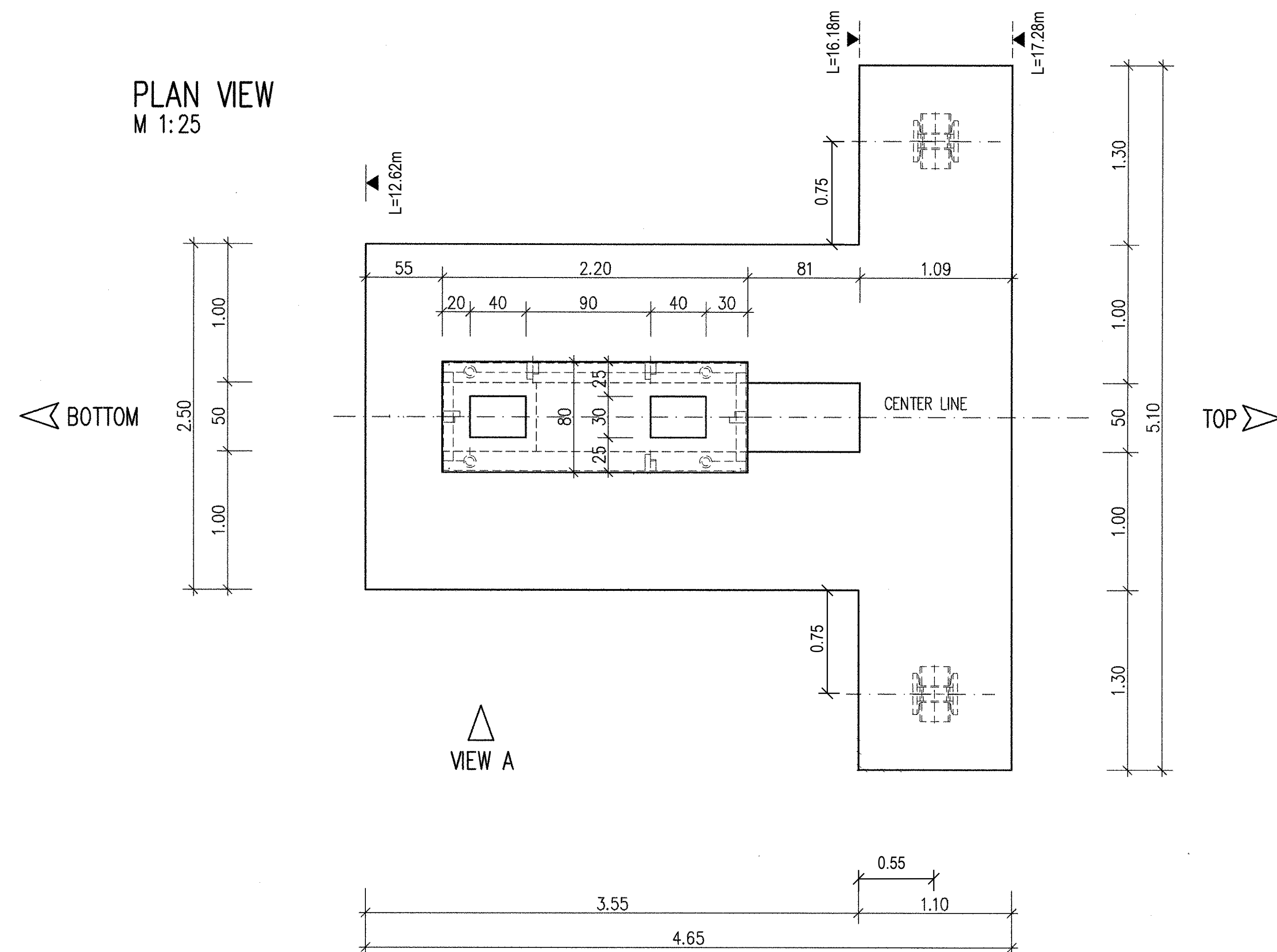
The foundations must be surveyed in terrain exactly according to the specified CTF heights and lengths.
CTF height = 1882 m, CTF width = 18 m, cross width = 20 mm, angle = 0.9°
NB: The foundation dimensions are absolute minimum requirements!

Index	Revision	Date	Name	Configuration	Scale	Blank	Drawn	13 MS
0					1/20			
Location	GUTHRIES DOUBLE CHAR	Price	X	kg	First sheets			
Order	2020-15	Price	X	kg	=Plots			
TUBULAR TOWER FOUNDATION NO.:	7	Project drawings						
Shaft length	8.44m	Drawing NO.						
Gauge	3.17m	2020-15-C-011						

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DIMENSIONS IN [cm, m]



REVISION:	DESCRIPTION:	DRAWN:	DATE:
Doppelmayer Australia Pty Ltd. 57 Lee Avenue Jindabyne NSW 2627 Ph. (02) 6456 2385, email: info@doppelmayer.com.au			
This drawing is intellectual property of Doppelmayer.			
PROJECT: GUTHRIES			
PARTS: BOTTOM FOUNDATION LAYOUT	TYPE: FORMWORK DRAWING	DRAWN: ST	
		CHECKED:	
		RELEASED:	
		SCALE: 1:25	
SIZE: A2	FILE:	PLAN-NR.: 2020-15-C-001 DATE: 23/09/20	

VIEW A
M 1:25

VIEW B
M 1:25

PLAN VIEW SHAFT
M 1:25

PLAN VIEW FOUNDATION
M 1:25

BENDING LIST										Reinforcing steel : TEMPCORE 500 PLUS	
Pos.	Num.	d	Length	D12	D14	D16	D20				
1	28	20	6.35							163.10	
2	28	20	2.80							78.40	
3	36	20	4.10							147.60	
4	14	20	6.70							93.80	
5	6	14	2.35								
6	19	16	2.48							47.12	
7	4	14	3.15								
8	8	16	2.70							21.60	
9	8	14	1.75								
10	8	14	4.93							38.64	
11	4	14	5.75							23.00	
12	32	16	1.20							73.60	
13	20	12	1.20								
14	20	14	2.34	24.00						58.80	
15	18	16	5.86							105.48	
16	5	16	4.50							22.50	
17	5	16	4.52							22.60	
18	16	16	5.08							81.28	
19	12	16	4.53							54.36	
20	12	14	1.53							18.36	
21	22	14	1.74							38.28	
22	4	14	1.29							5.16	
23	4	14	1.63							6.52	
24	4	14	2.24							8.96	
25	10	14	2.10							21.00	
26	2	14	4.40							8.80	
27	4	14	2.22							8.88	
28	6	14	2.22							13.32	
29	12	14	2.35							28.20	
30	8	14	0.72							5.76	
Total length										24.00	324.38
kg / m										D12 0.888	D14 1.210
kg / d										21.312	392.500
Total weight										2288.608	kg

CONNECTION BARS Ø8/15 FOR CABLE DRAW PIT HAVE TO BE CONSIDERED

- THIS DRAWING TO BE READ IN CONNECTION WITH LAYOUT 2020-12-C-02
- MAXIMUM DESIGN BEARING PRESSURE =200 KPA
- ENSURE GEOTECHNICAL REPORT IS FOLLOWED
- USE CHAMFERS FOR ALL CONCRETE EDGES ABOVE GROUND

CONCRETE

- MIN. CONCRETE STRENGTH 32 MPA
- MAXIMUM AGGREGATE SIZE 32MM

STEEL TEMPCORE 500 PLUS

- RIBBED BARS, YIELD STRENGTH: 500 N/mm2

- CONCRETE COVER TO RE-BARS: FOUNDATION 5.0cm, SHAFT 3.0cm

TOLERANCES

- HORIZ. LENGTH: ± 2.0 cm
- FOUNDATION LEVELS: ± 1.0 cm
- SURVEYED AXIS: ± 1.0 cm

REVISION:	DESCRIPTION:	DRAWN:	DATE:
Doppelmayr Australia Pty Ltd. 57 Lee Avenue Jindabyne NSW 2627 Ph. (02) 6456 2385, email: info@doppelmayr.com.au			
This drawing is intellectual property of Doppelmayr.			
PROJECT: GUTHRIES			
PARTS:		DRAWN: ST	
BOTTOM FOUNDATION LAYOUT		CHECKED:	
		RELEASED:	
		SCALE: 1:25	
TYPE: REINFORCEMENT DRAWING		PLAN-NR.: 2020-15-C-002	
SIZE: A2	FILE:	DATE: 23/09/20	

VIEW B
M 1:25

CENTRELINE OF BUILDING - FRONT POSITION

1.78 NOMINAL

LEB = +551.00m

+1892.20 +3.32

6.69

3.32

2.06

0.015

0.38°

INSERT HAS 0.38DEG SLOPE OR 15MM SLOPE OVER 2.0M

2.20

1.22

+2.10

2X6.3MM CONDUITS FOR HYDRAULICS

2X6.3MM CONDUITS FOR LINE CABLE

CL EMBED ITEM 1 MUST BE EMBEDDED EXACTLY TO LEFT LINE AXIS IN CONCRETE. MUST DUE TO POSITIONING OF RETURN STATION. NO ROTATION OF EMBED PERMITTED.

1 ANCHOR TEMPLATE ID. NO. 10549652

FILL WITH CONCRETE

1X32MM CONDUIT FOR SAFETY GATE

2.00

2.54

+1888.88 ±0.00

+0.08

UNLOAD RAMP 5-10DEG

GROUNDING STRAP

1X32MM CONDUIT FOR E-STOP

EARTH FILL

0.10

-2.37

-3.37

2.37

1.00

LEAN CONCRETE BLINDING

1.32

2.07

3.61

6.00

L = +546.77 m

VIEW A

Technical drawing of a bridge deck cross-section, labeled "VIEW B". The drawing shows a rectangular deck with a total width of 7.00 m and a total height of 3.50 m. The deck is divided into three sections: a central section of 1.50 m, a middle section of 50 cm, and a side section of 1.50 m. The central section contains a detailed view of the bridge structure, including the deck, girders, and supports. The drawing is labeled "VIEW B" and "CENTER LINE LIFT". Dimensions are given in meters (m) and centimeters (cm).

Technical drawing of a monument showing elevation and plan views.

Elevation View:

- Monument structure with a central column and a top section labeled "EARTH MLL".
- Base labeled "LEAN CONCRETE BLINDING" at an elevation of -3.37 .
- Dimensions:
 - Total height: 4.47
 - Height of the top section: 1.22
 - Base width: 1.00

Plan View:

- Rectangular base with dimensions 1.50 , 0.50 , and 1.50 , totaling 3.50 .

CONCRETE VOLUME:	
FOUNDATION	24.5 m3
SHAFT	4.0 m3
TOTAL	28.5 m3

- THIS DRAWING IS ONLY VALID IN CONNECTION WITH LAYOUT DRAWING NO.: DRAW-NO - MAX. OCCURRING SOIL PRESSURE: 200KN/M2 - SOIL CONDITIONS TO BE INSPECTED BY AN ENGINEER - DIMENSIONS TO BE CHECKED - USE CHAMFERS FOR ALL CONCRETE EDGES ABOVE GROUND
--

CONCRETE

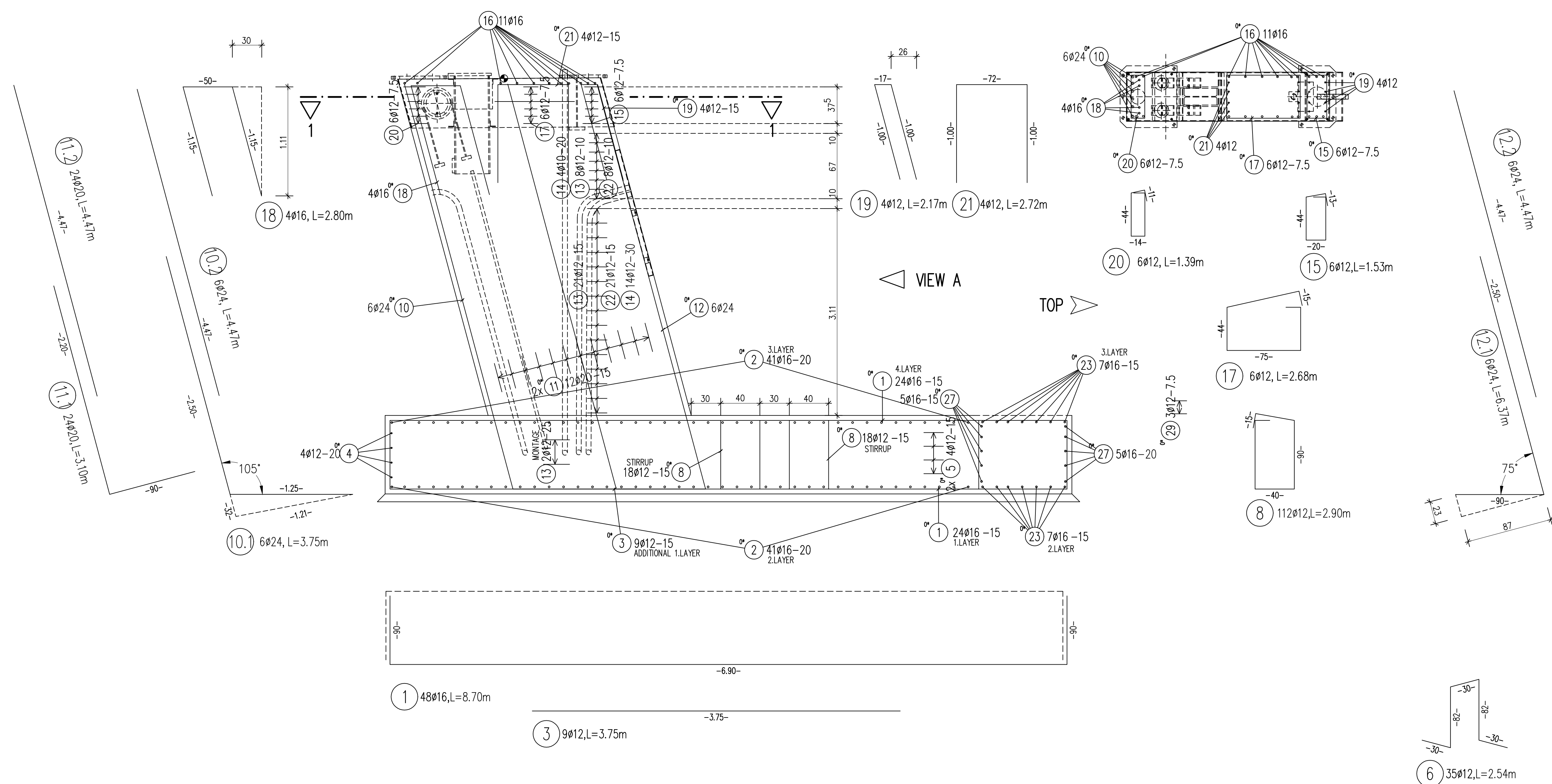
- MINIMUM COMPRESSIVE STRENGTH 32MPa
- FROST RESISTENT, MAX. PELLET SIZE: 25mm (SHAFT: 14mm)

STEEL	
- RIBBED BARS, YIELD STRENGTH:	500PLUS
- CONCRETE COVER TO RE-BARS:	COVER

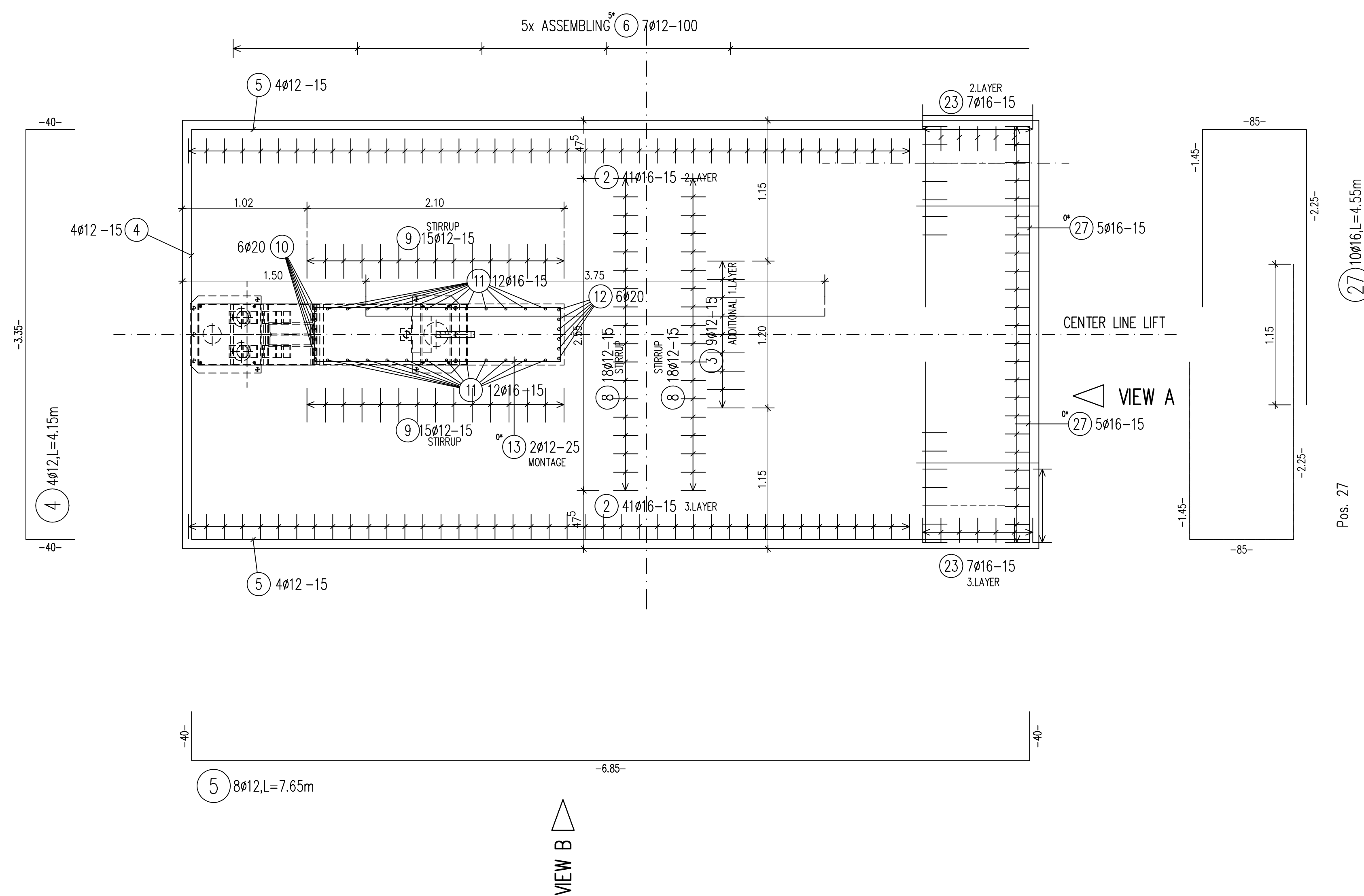
TOLERANCES
 - HORIZ. LENGTH: $\pm 20\text{mm}$
 - FOUNDATION LEVELS: $\pm 10\text{mm}$
 - SURVEYED AXIS: $\pm 10\text{mm}$

 AENDBEZ		AENDERS:	AENDAT:
REVISION:	DESCRIPTION:	DRAWN:	DATE:
DOPPELMAYR AUSTRALIA PTY LTD. 57 LEE AVENUE JINDABYNE NSW 2627 PH. 02 6456 2385, Email: info@doppelmayr.com.au			
THIS DRAWING IS INTELLECTUAL PROPERTY OF DOPPELMAYR			
PROJECT:		GUTHRIES	
PARTS: 2020-15 TOP STATION FOUNDATION FORMWORK GUTHRIES		DRAWN:	SHT
		CHECKED:	
		RELEASED:	
		SCALE: NTS	
TYPE: FORMWORK		PLAN-NR.: 2020-15-C-003	
SIZE:	FILE:	DATE:	30/09/2020

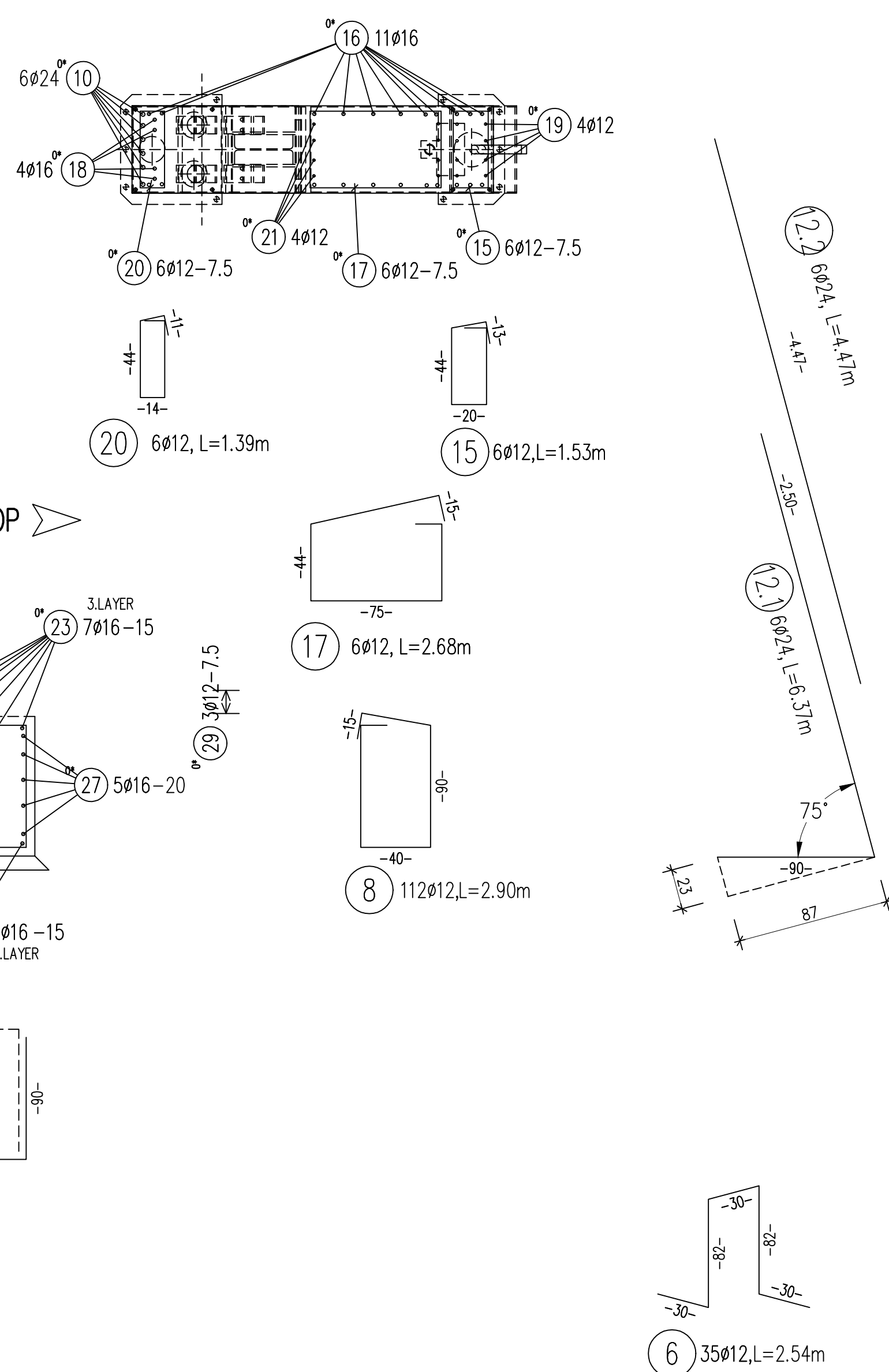
VIEW B
M 1:25



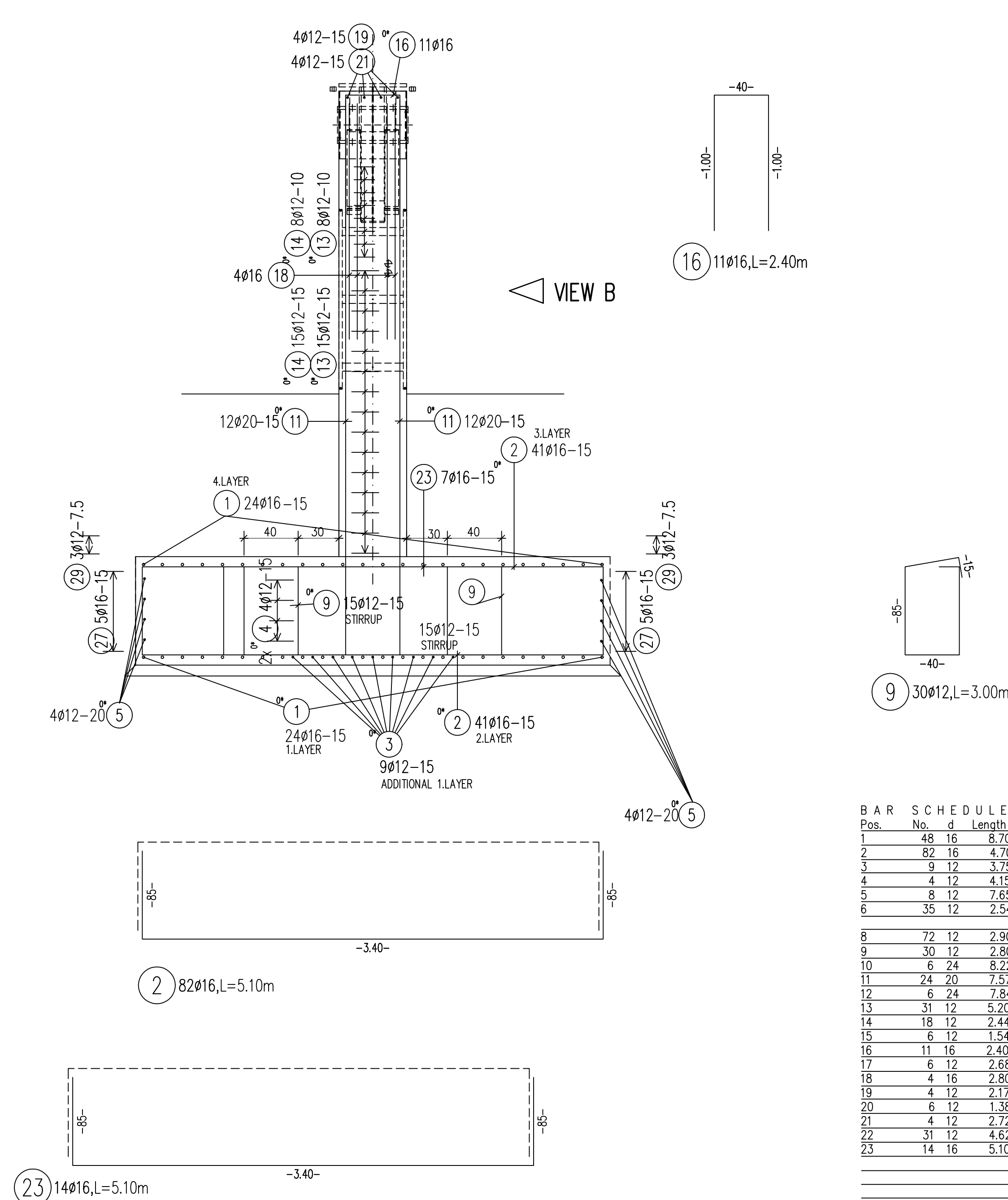
PLAN VIEW FOUNDATION
M 1:25



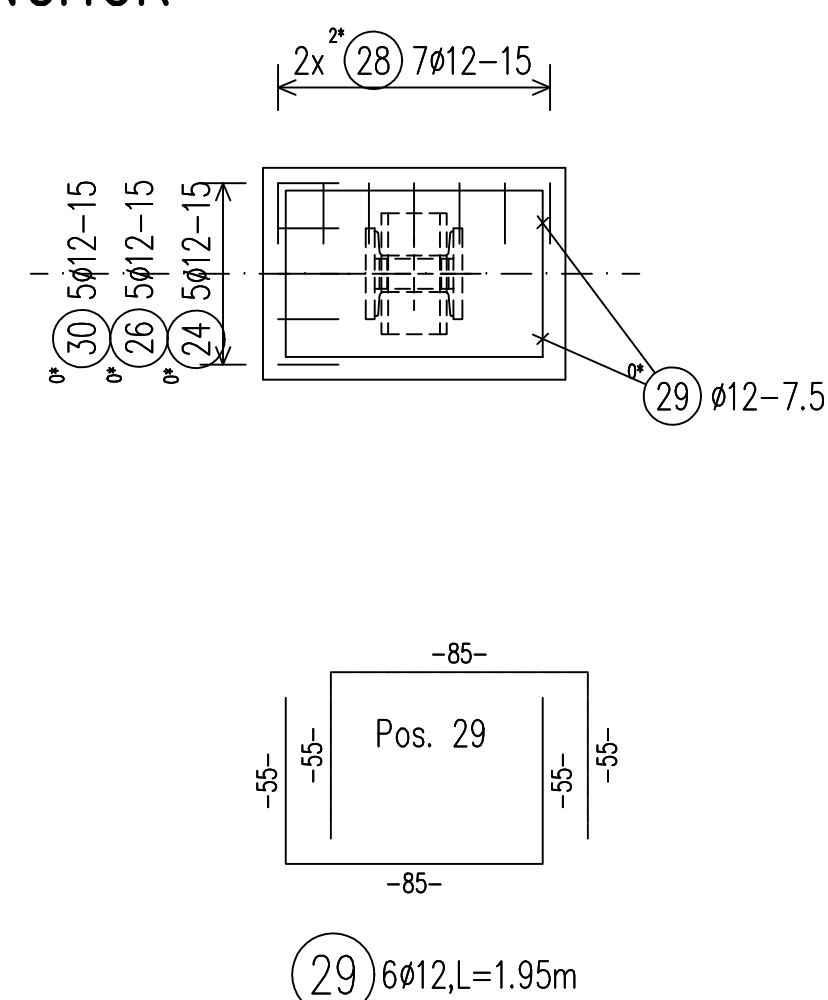
SECTION 1-1
M 1:25



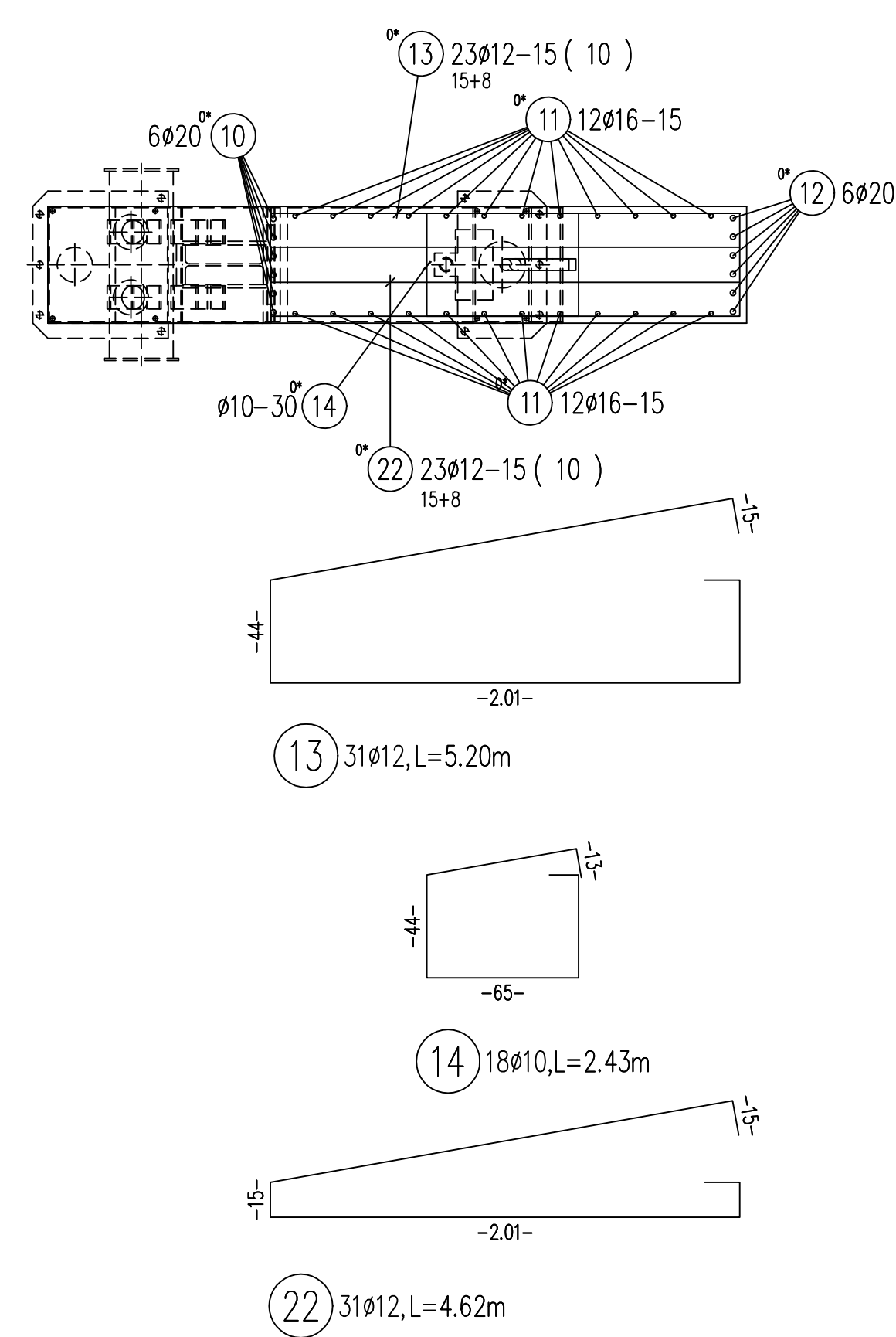
VIEW A
M 1:25



SECTION ANCHOR
M 1:25



PLAN VIEW SHAFT
M 1:25



Pos.	SCHEDULE			Steelgrade: BST			
	No. of	Length	D10	D12	D16	D20	D24
1	48	8.70			652		
2	82	8.70			676		
3	9	12.375		33			
4	12	4.15		16			
5	8	12.765		56			
6	35	12.254		80			
8	72	12.280		190			
9	30	12.280		77			
10	6	24.822					179
11	24	20.757				459	
12	6	24.784					171
13	31	12.520		146			
14	18	12.444		40			
15	6	12.154		9			
16	11	16.240			43		
17	6	12.268		15			
18	4	18.280			18		
19	12	7.17		8			
20	6	12.138		8			
21	4	12.272		10			
22	31	12.462		130			
23	14	16.510			115		
27	10	16.455			74		
29	6	12.195		11			
Total weight (kg)			3.926				

DIMENSIONS IN [cm, m]

($\pm 0.00 = 1888.88\text{m}$ (LEVEL OF UNLOADING))

- MAX. OCCURRING SOIL PRESSURE: 200KN/M2
- FOUNDATION MATERIAL NEEDS TO BE CHECKED BY AN ENGINEER
- DIMENSIONS TO BE CHECKED
- USE CHAMFERS FOR ALL CONCRETE EDGES ABOVE GROUND

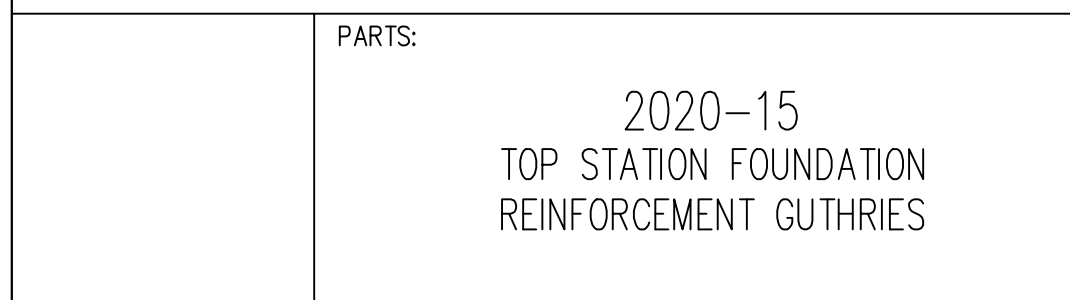
CONCRETE

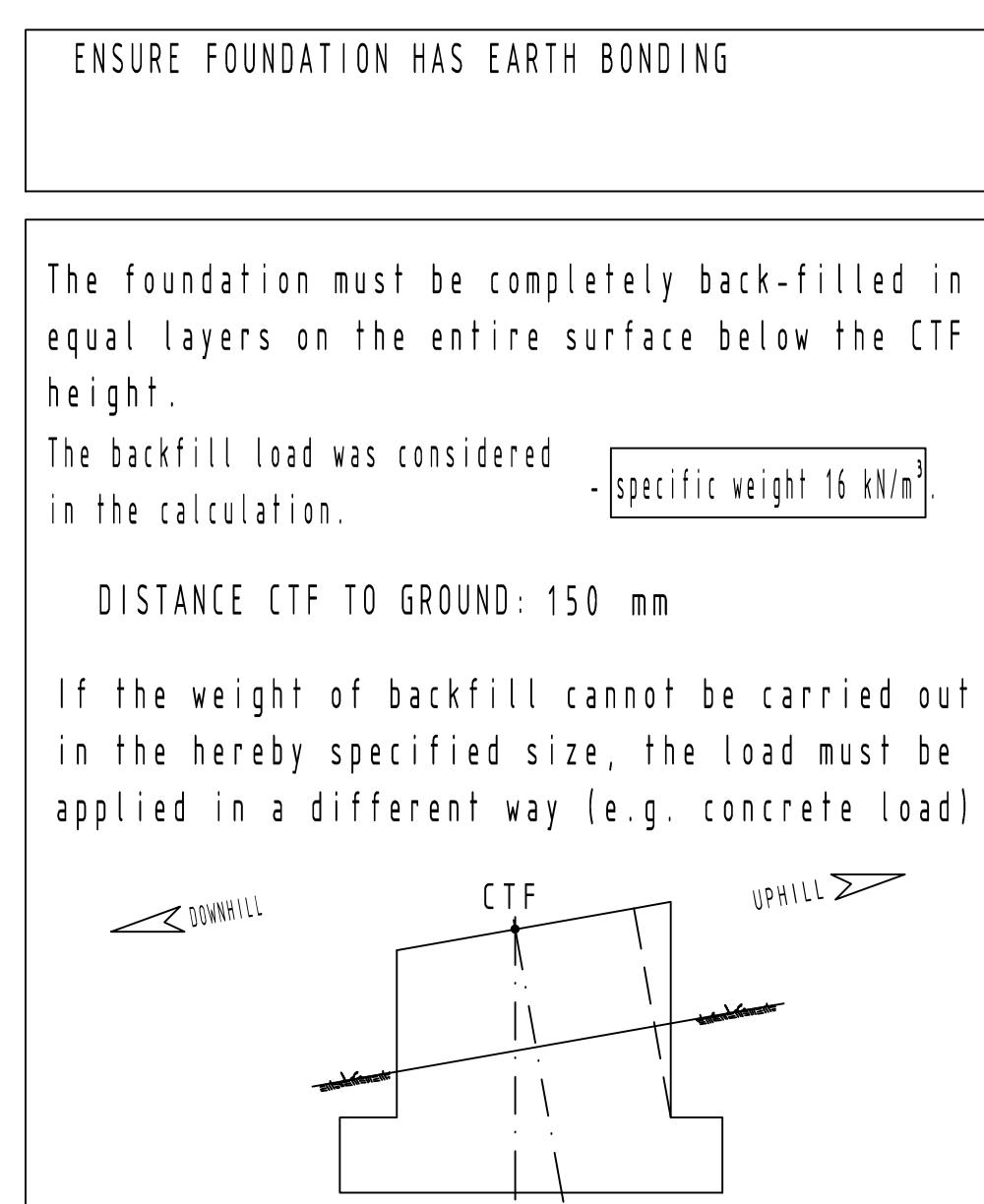
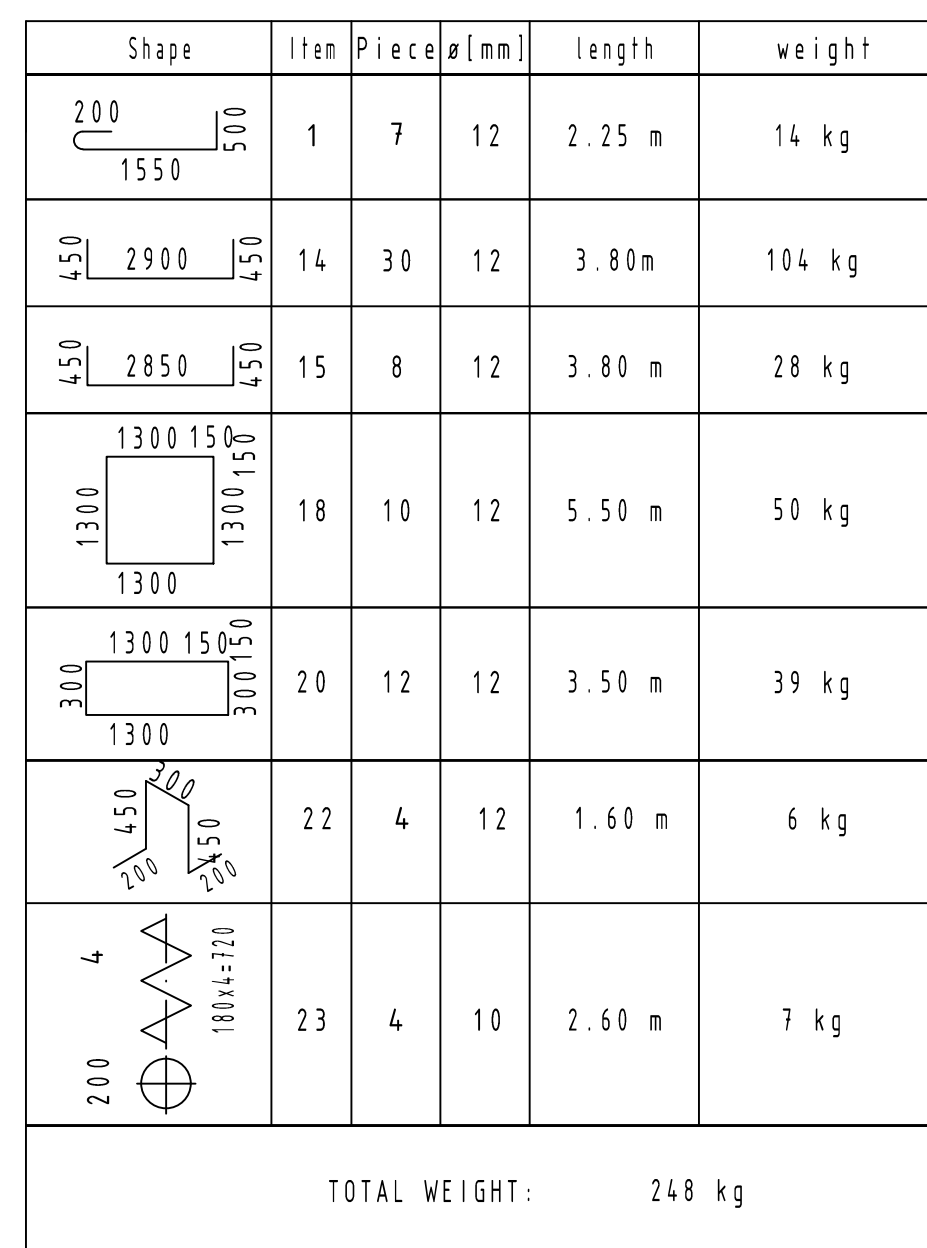
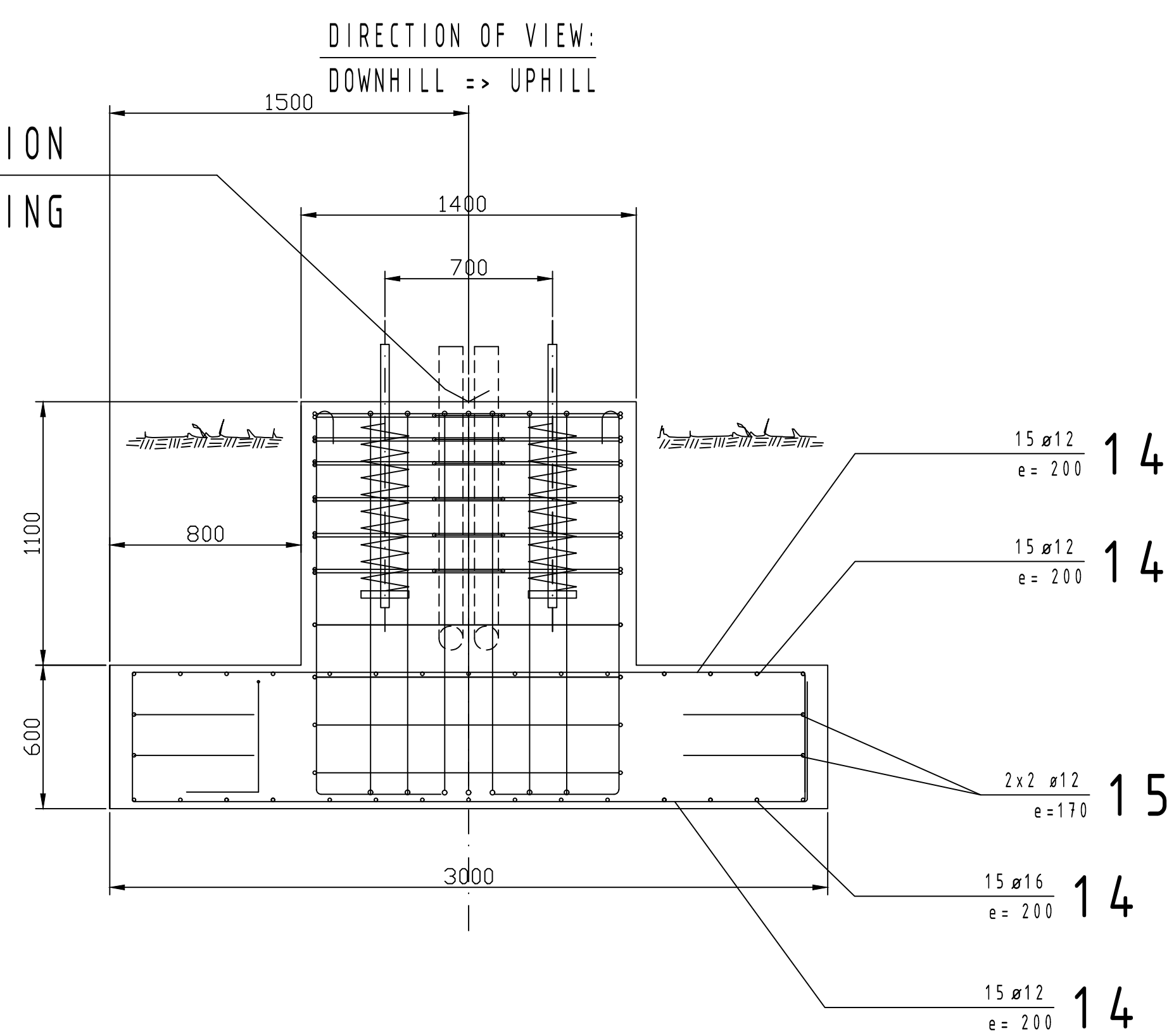
- MINIMUM COMPRESSIVE STRENGTH 32MPa
- FROST RESISTENT, MAX. PELLET SIZE: 32mm (SHAFT: 22mm)

STEEL	
- RIBBED BARS, YIELD STRENGTH:	TEMPCORE500+
- CONCRETE COVER TO RE-BARS:	50MM,BASE,30MM

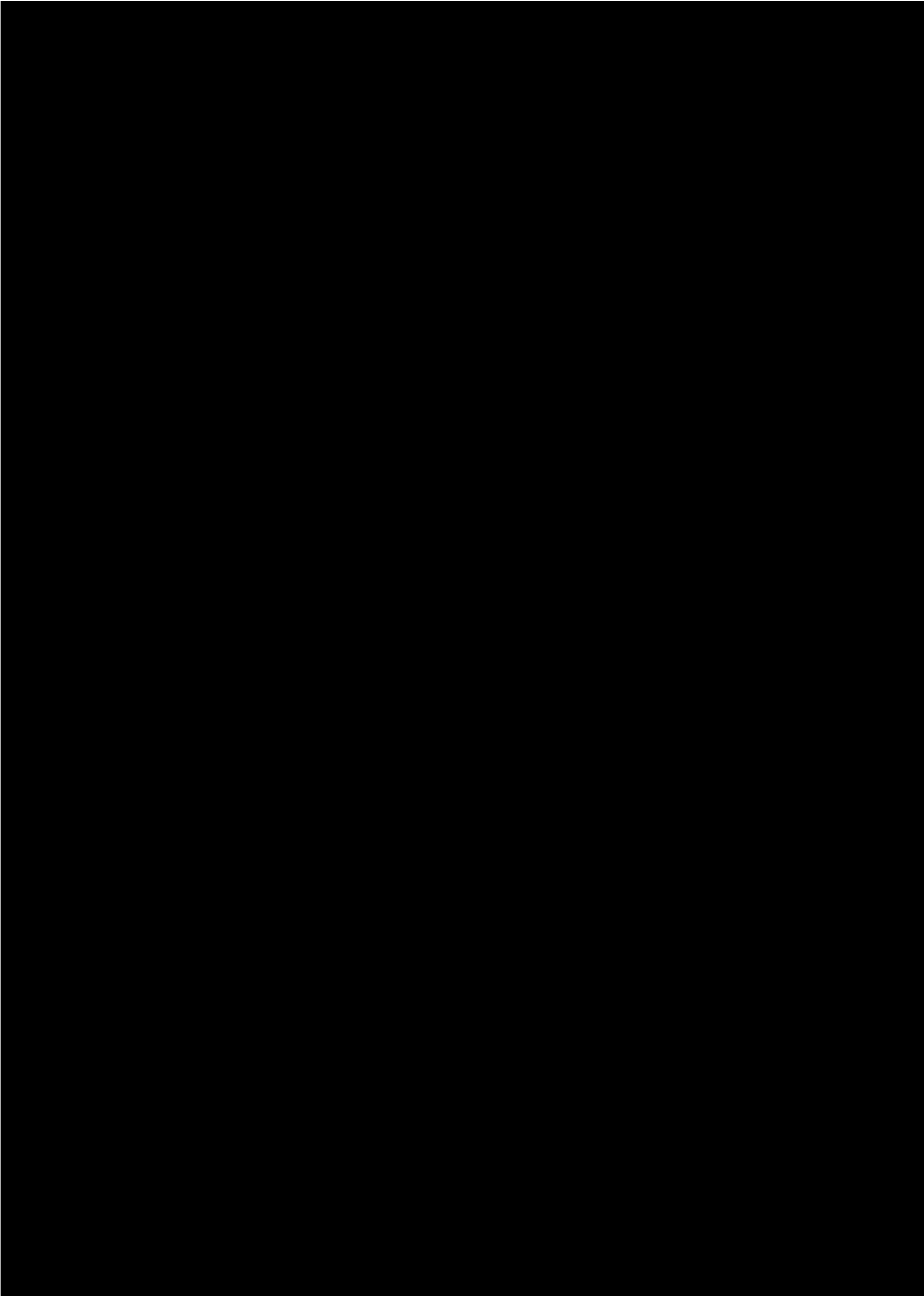
TOLERANCES

- HORIZ. LENGTH: ± 2.0 cm
- FOUNDATION LEVELS: ± 1.0 cm
- SURVEYED AXIS: ± 1.0 cm

		AENDREZ		AENDERST		AENDDAT		
REVISION:		DESCRIPTION:		DRAWN:		DATE:		
DOPPELMAYR AUSTRALIA PTY LTD. 57 LEE AVENUE JINDABYNE NSW 2627 PH. 02 6456 2385, Email: info@doppelmayr.com.au								
THIS DRAWING IS INTELLECTUAL PROPERTY OF DOPPELMAYR								
PROJECT:		GUTHRIES						
		PARTS: 2020-15 TOP STATION FOUNDATION REINFORCEMENT GUTHRIES				DRAWN:		GHT
						CHECKED:		
						RELEASED:		
						SCALE:		NTS
TYPE:						PLAN-NR.: 2020-15-C-004		
SIZE:	BL	FILE:					DATE:	01/10/2020



A 6

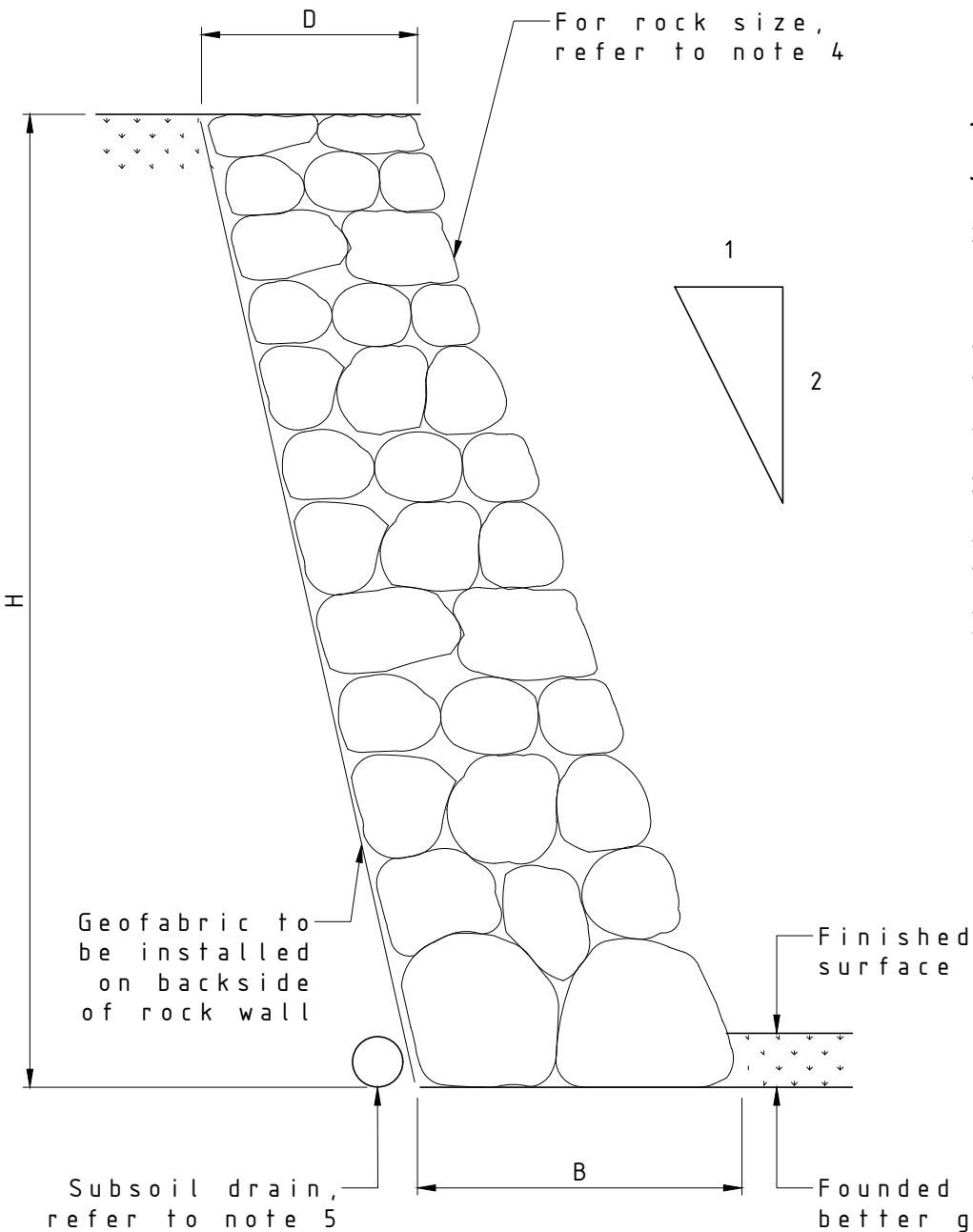


Drawing Title:		Drawn:	Date:	Scale:	Third Angle Projection	
GUTHRIES_LAYOUT		DAMIAN	15.03.2021			
		Checked:	Date:	Material:		
		SHAUN	15.03.2021			
Project:		Approved:	Date:	Finish:		
GUTHRIES		APPROVED_BY	APPROVED_DATE			
Sub Project:		Project No-Drawing No:			Sheet:	Revision:
LAYOUT_ACCESS		2020-15-C-013			of	B
File: FILENAME		All dimensions in millimeters. DO NOT SCALE. If in doubt ask.				
		Doppelmayr Australia Pty Ltd. 57 Lee Avenue, Leesville Estate Jindabyne NSW 2627 Australia ABN: 12 005 054 133		Phone: +61 2 6456 2385 Fax: +61 2 6456 2736 Web: www.doppelmayr.com Email: info@doppelmayr.com.au		Customer:
		CHARLOTTE_PASS				
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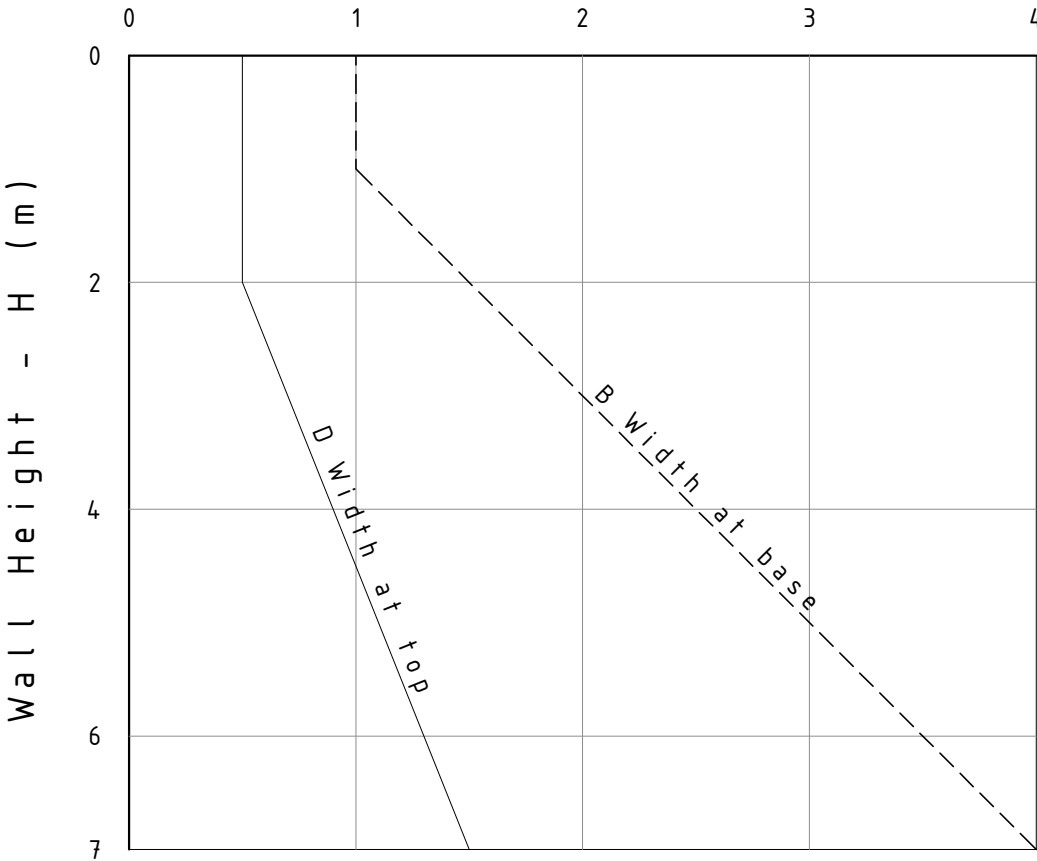
ROCK WALL NOTES

- 1. Strip topsoil and excavate to a suitable subgrade in a series of horizontal steps to suit base key rocks and fill.
- 2. Foundation material to be approved by engineer prior to construction.
- 3. Where the surface slope of retained material is between 10:1 (H:V) and 4:1 (H:V) the wall base dimension is to be increased by 0.5 meters.
- 4. Rock is to be sound durable granite or other approved material and at least 0.4m square meters plan area.
- 5. A continuous 90mm dia. socked drainage line is to be installed a the rear of the wall and drained freely
- 6. Rocks shall be placed in a horizontal manner that they are stable and interlocking and laid roughly coursed and bedded on their broadest base.
- 7. All material for fill shall be clean, free of organic matter and have a particle size not greater than 75mm.
- 8. Fill shall be compacted in 250mm thick loose layers using mechanical compaction.
- 9. Surface drainage should be provided around the uphill side of structures to prevent water pooling.

Where surface slope is greater than 10:1, see note 3



Wall Width - D & B (m)



ROCK WALL DESIGN CHART

TYPICAL ROCK WALL GEOMETRY

REVISION HISTORY				
REV	DESCRIPTION	DATE	DRAWN	APPROVED
A	First issue	16-Mar-2021	Damian	Shaun

Drawing Title:

Rock Retaining Wall
Standard Notes

Project:

Guthries

Sub Project:

2-CLF

Project No-Drawing No:

2020-15-C-014

File: Z:\Projects\Charlotte Pass\Guthries\Drawings\2020-15-C-014.dwg

All dimensions in millimeters. DO NOT SCALE. If in doubt ask.

Drawn:

Damian

Checked:

Shaun

Approved:

Shaun

Date:

16-Mar-2021

Date:

16-Mar-2021

Date:

16-Mar-2021

Scale:

Not To Scale

Material:

N/A

Finish:

N/A

Third Angle Projection

Sheet:

1 of 1

Revision:

A

Doppelmayr

Doppelmayr Australia Pty Ltd.
57 Lee Avenue, Leesville Estate
Jindabyne NSW 2627 Australia
ABN: 12 005 054 133

Phone: +61 2 6456 2385
Fax: +61 2 6456 2736
Web: www.doppelmayr.com
Email: info@doppelmayr.com.au

Customer:

Charlotte Pass

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A3