

letzte Eisenform	71
letzte Mattenposition	0

Expositionsklassen und Betondeckungen nach DIN 1045-1				
Bauteile	Expositionsklasse	Betongüte	Betondeckung d_{min}	Bemerkung
Bodenplatte h=60cm	XC1/XC2	C 30/37	o.4,0cm/u.4,5cm	
Bodenplatte h=120cm	XC1/XC2	C 30/37	o.4,0cm/u.4,5cm	

Dieser Plan gilt nur als Bewehrungsplan.
Die Lage von Aussparungen ist den Schälplänen bzw. den Plänen der Fachingenieure zu entnehmen.

Größtkorn des Zuschlagstoffes in Abhängigkeit der lichten Stababstände
DIN 1045-1, (12.2)

$dg^1 \leq 16 \text{ mm} \cdot a$ $\begin{cases} \geq 20 \text{ mm} \\ \geq d_s, \text{ max} \end{cases}$

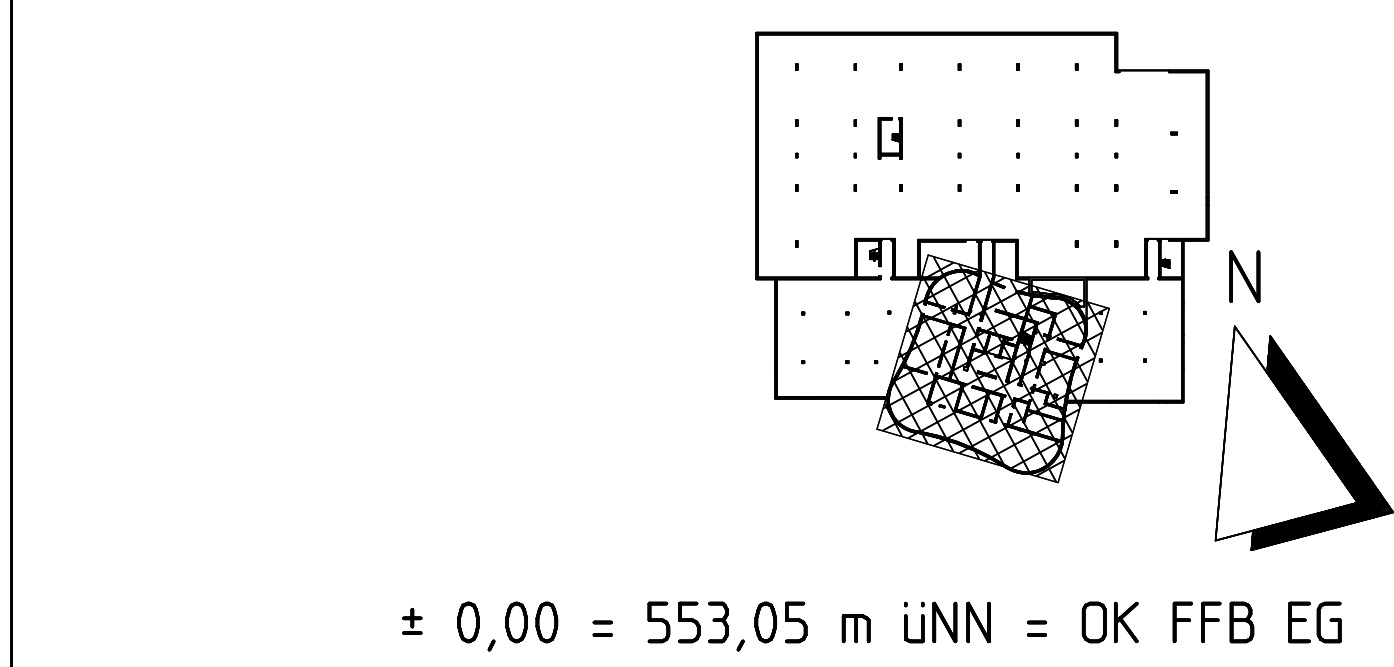
$dg^1 \leq 16 \text{ mm} \cdot a$ $\begin{cases} \geq 20 \text{ mm} \\ \geq d_s, \text{ max} \\ \geq dg + 5 \text{ mm} \end{cases}$

1) dg = Größtkorn des Zuschlagstoffes

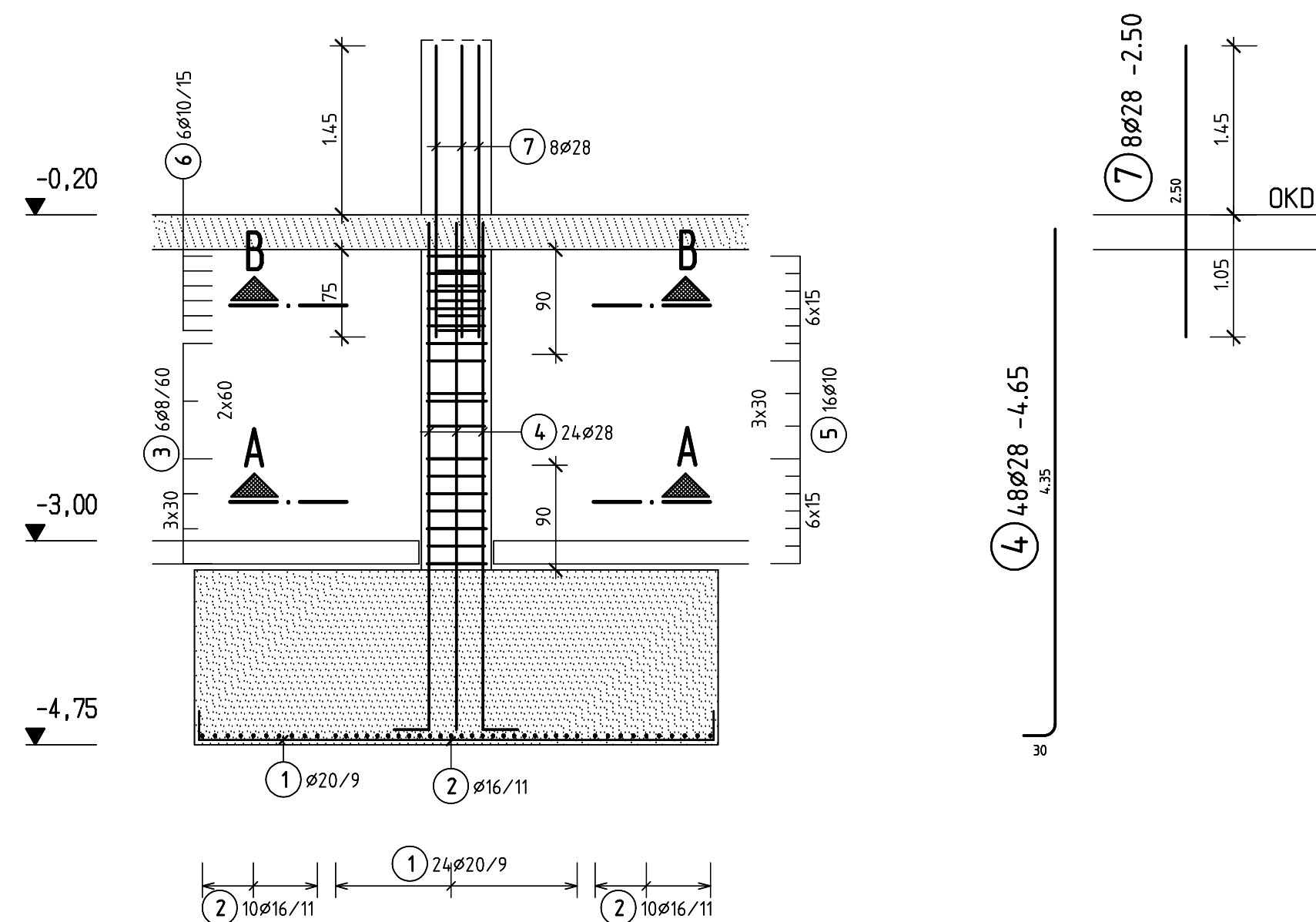
Mindestwerte der Biegerollendurchmesser d_{br} nach DIN 1045-1, Tabelle 23					
Spalte	1	2	3	4	5
	Haken, Winkelhaken	Schlaufen	Schrägstäbe oder andere gebogene Stäbe		
	Stabdurchmesser		Mindestwerte der Betondeckung rechtwinklig zur Biegeebene		
	$d_s < 20 \text{ mm}$	$d_s \geq 20 \text{ mm}$	$> 100 \text{ mm}$	$> 50 \text{ mm}$	$\leq 50 \text{ mm}$
	$1d_s$	$7d_s$	$10d_s$	$15d_s$	$20d_s$

D	10.08.11	JP	Bewehrung korrigiert - u. bilden
C	04.08.11	JP	Freigabe durch Prüfbewerber
B	19.07.11	JP	Plan überarbeitet - u. bilden
A	20.04.11	JP	Plan erstellt
Info	Datum	Name	(veränderte Bearbeitungen)

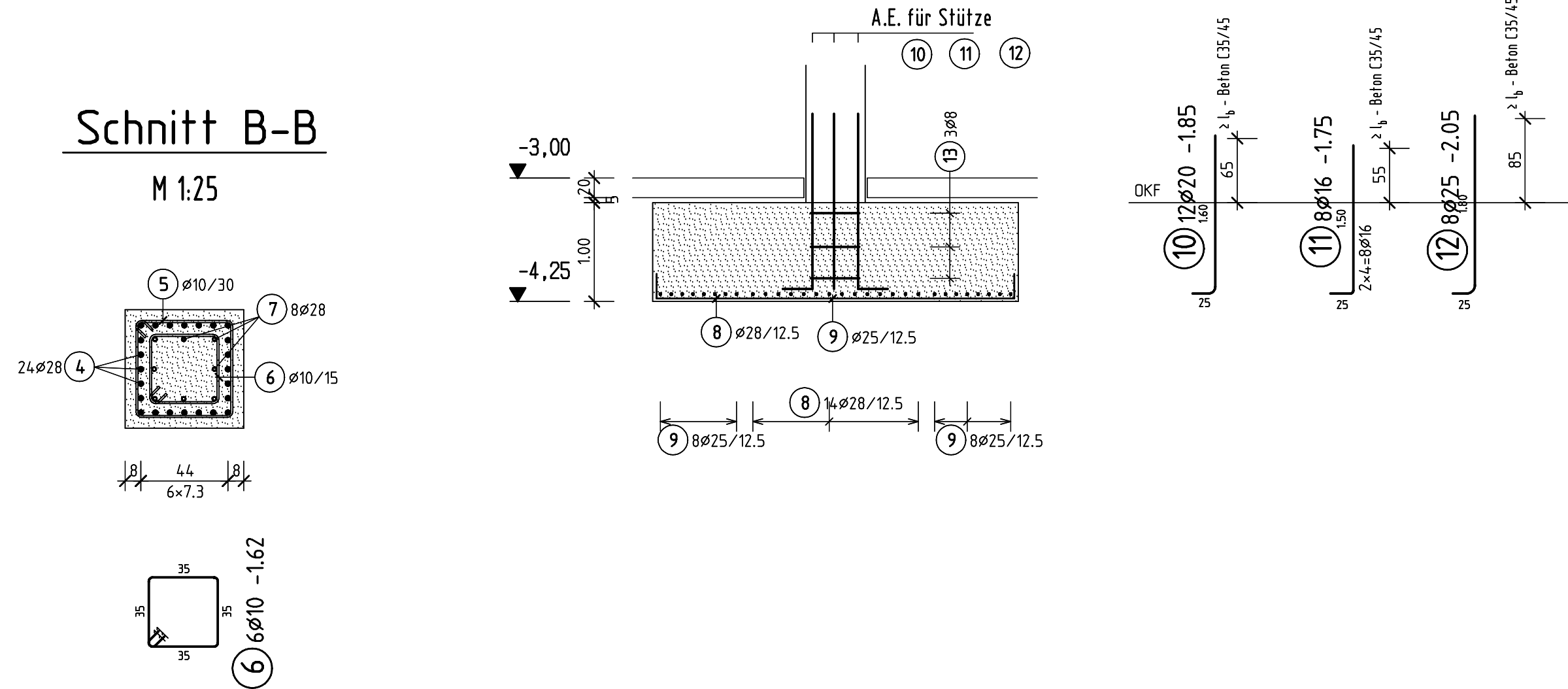
Bearbeitungen					
Plantteil:	1				FUD5 D FF 002
Ebene:	FU				
	BAUTEIL	GEWERK	PLANTYP	EBENE	PHASE/INDEX STATUS PLANNUMMER



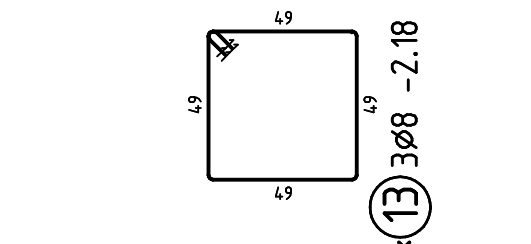
PLANNUMMER					
Wohnhochhaus und Tiefgarage					
Bodenplatte- obere Lage- Grundbewehrung					
AUSFÜHRUNGSPLANUNG				MAßSTAB	
				1:50	
PLANNERSTELLER	DATUM	GEPRÜFT/PRÜFGEBOGEN	DATUM	PROJEKT-NR.	101001
	30.06.2011			PROJEKT:	

Pos. FU G/3
1xherstellen

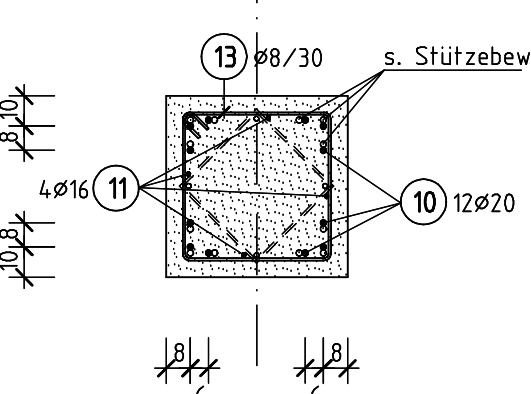
Pos. FU H/3, H/4
2xherstellen



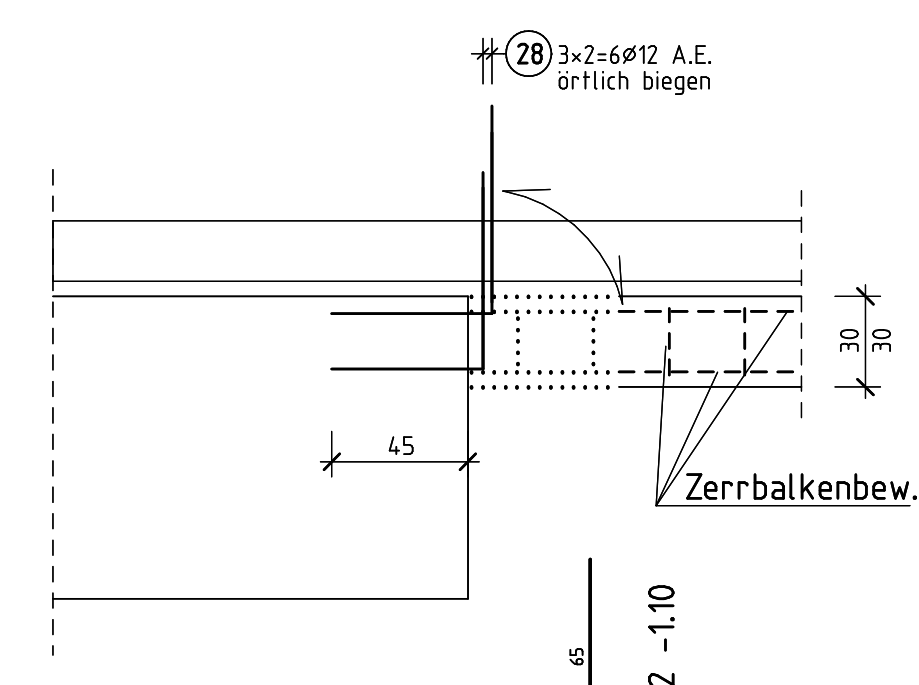
S. H/4
1xherstellen
M 1:25



S.H/3
1xherstellen
M 1:25



Anschluss Fundamente-Zerrbalken

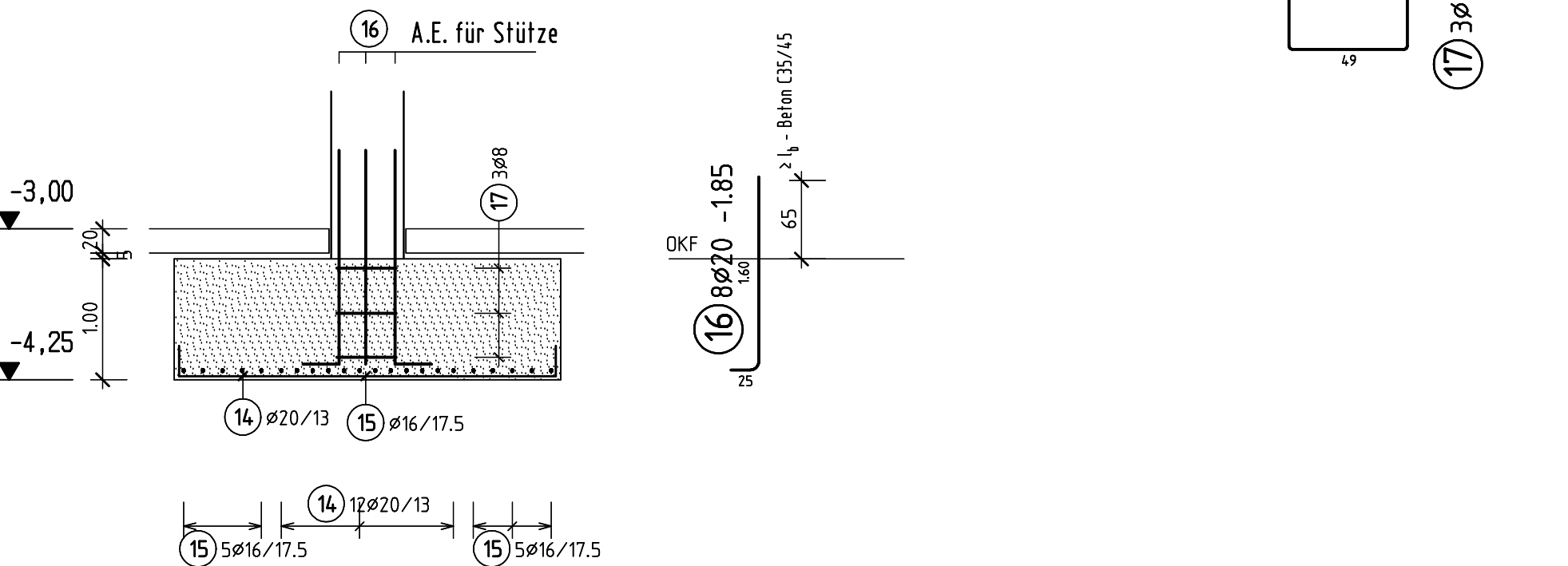
[illegible][illegible]

PLANVERSAND		V = Vorzug F = zur Ausführung freigegeben p-d = P1 - DWG - Dxf T = Traupapier P = Papierplot pl = Plotdatei dwg = DWGdatei dxf = Dxfdatei		
	Status	Vorzug	freige	freige
	Index			
EMPFANGER	Versanddatum	01.10.08	02.09	15.09
BAUHERR			p	
ARCHITEKT				
PRÜFINGENIEUR		tu*	p	p
BAUUNTERNEHMER			p	p
HAUSTECHNIK				
BODENGUTACHTER				

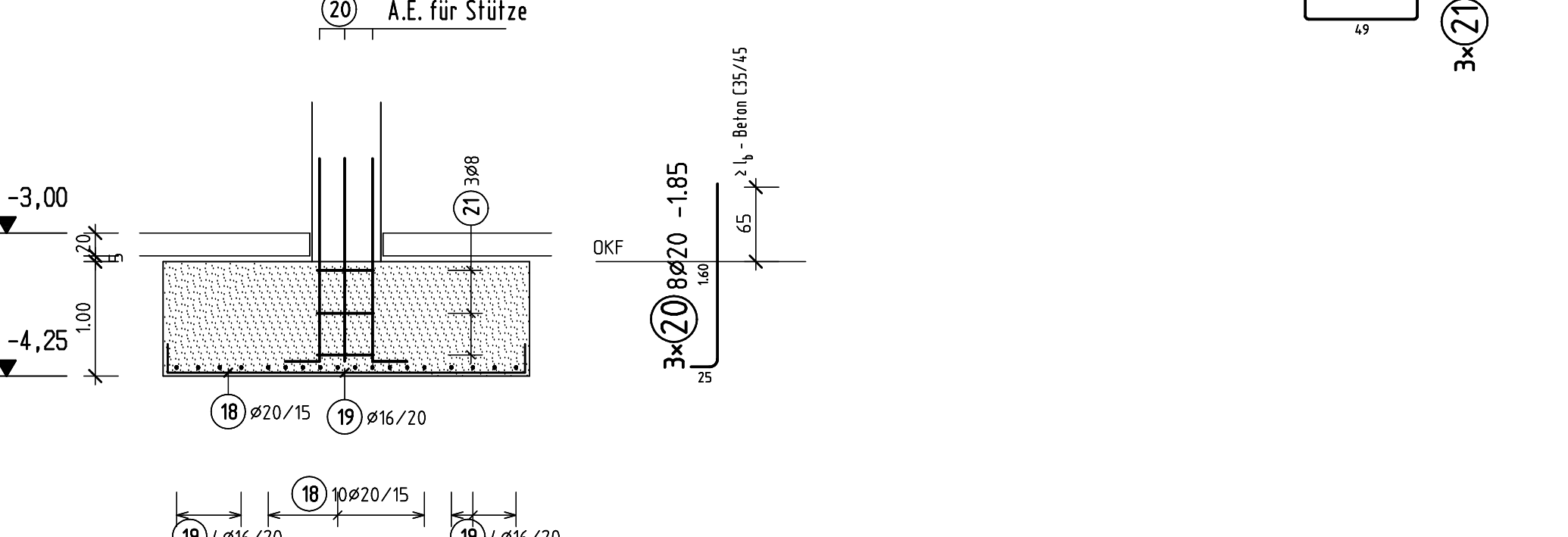
Prüfungsinventar	geprüft an:				
	freigegeben an: 10.02.09	FB	Freibau- u. Pos. für L2, L3, D1/5, D4, D5, 5 - entfallen	13.03.09	GT
		FA	Freigelegte Prüfungsinventar	16.02.09	GT
		ART DER ÄNDERUNG (aktuelle siehe Waken!)			
<input type="checkbox"/> QUELLPLAN <input type="checkbox"/> SCHALPLAN <input checked="" type="checkbox"/> BEWEHRUNGSPLAN		<input type="checkbox"/> POSITIONSPLAN		MASSZÖRTLICH PRÜFEN ! NUR GÜLTIG IN VERBINDUNG MIT DEN GÜLTIGEN PLÄNEN DES ARCHITEKTEN – DER BAUPHYSIK – DER HAUSTECHNIK , DER VERMESSUNGSPLÄNE UND DEM BOEDENQUÄCHTER !	

± 0,00 m entspricht 48.50 m ü.NN

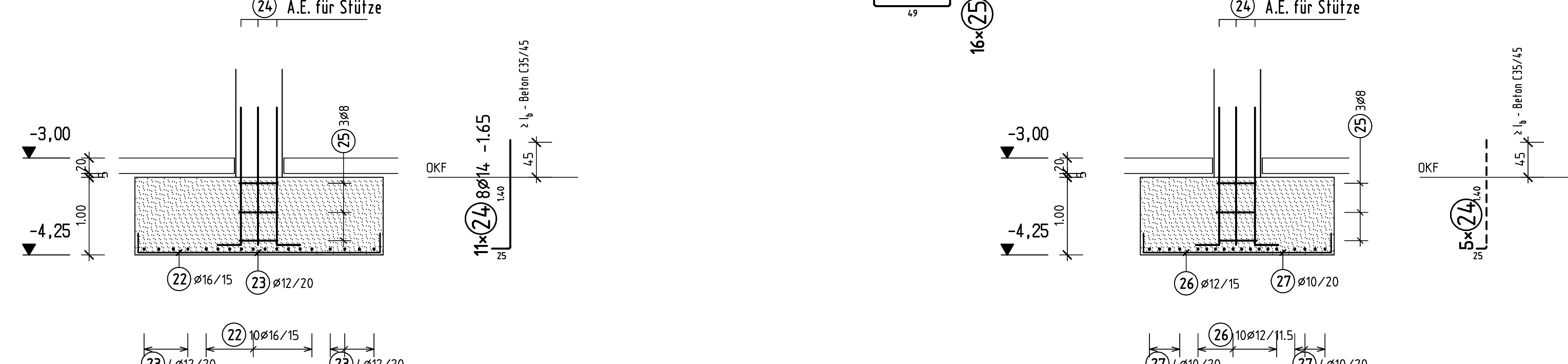
Bauteil : BT 1+3+4	Projekt	Bauteil	Phase	Plattyp	Bauteil	Geschoss	lfd. Nr.	Status	Index	Indexstand
Einzelfundamente-Blatt 1				BW	XX	FU	01	F	B	
Übersicht										

Pos. FU D/
1xherstellen

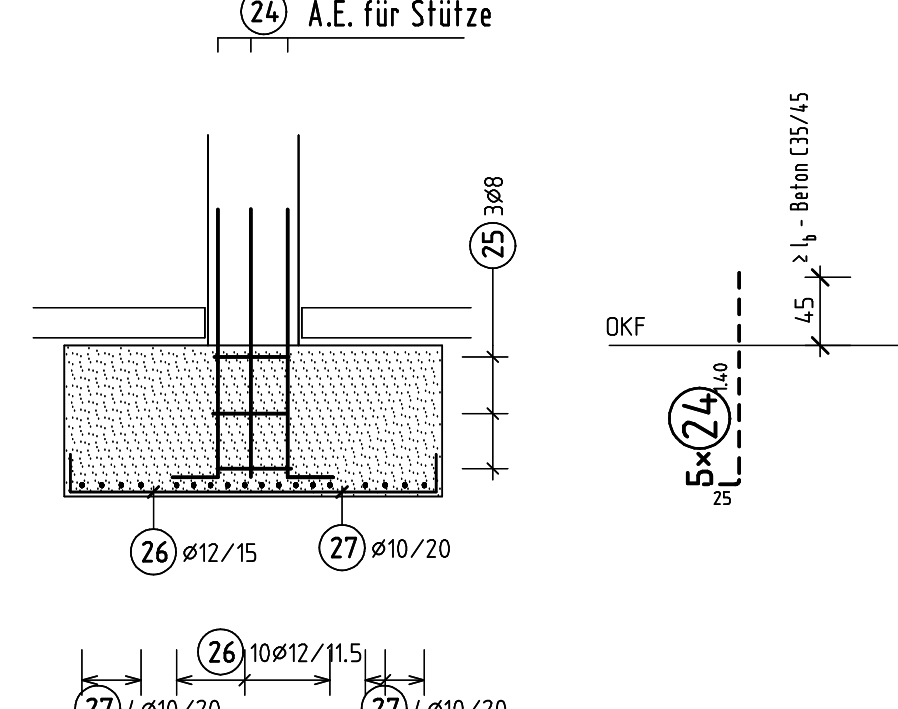
Pos. FU E/2, F/4, E/9
3xherstellen



Pos. FU E/6, E/7, E/8, E/11, D/2
F/6, F/7, F/8, F/9, F/10, F/11
11xherstellen

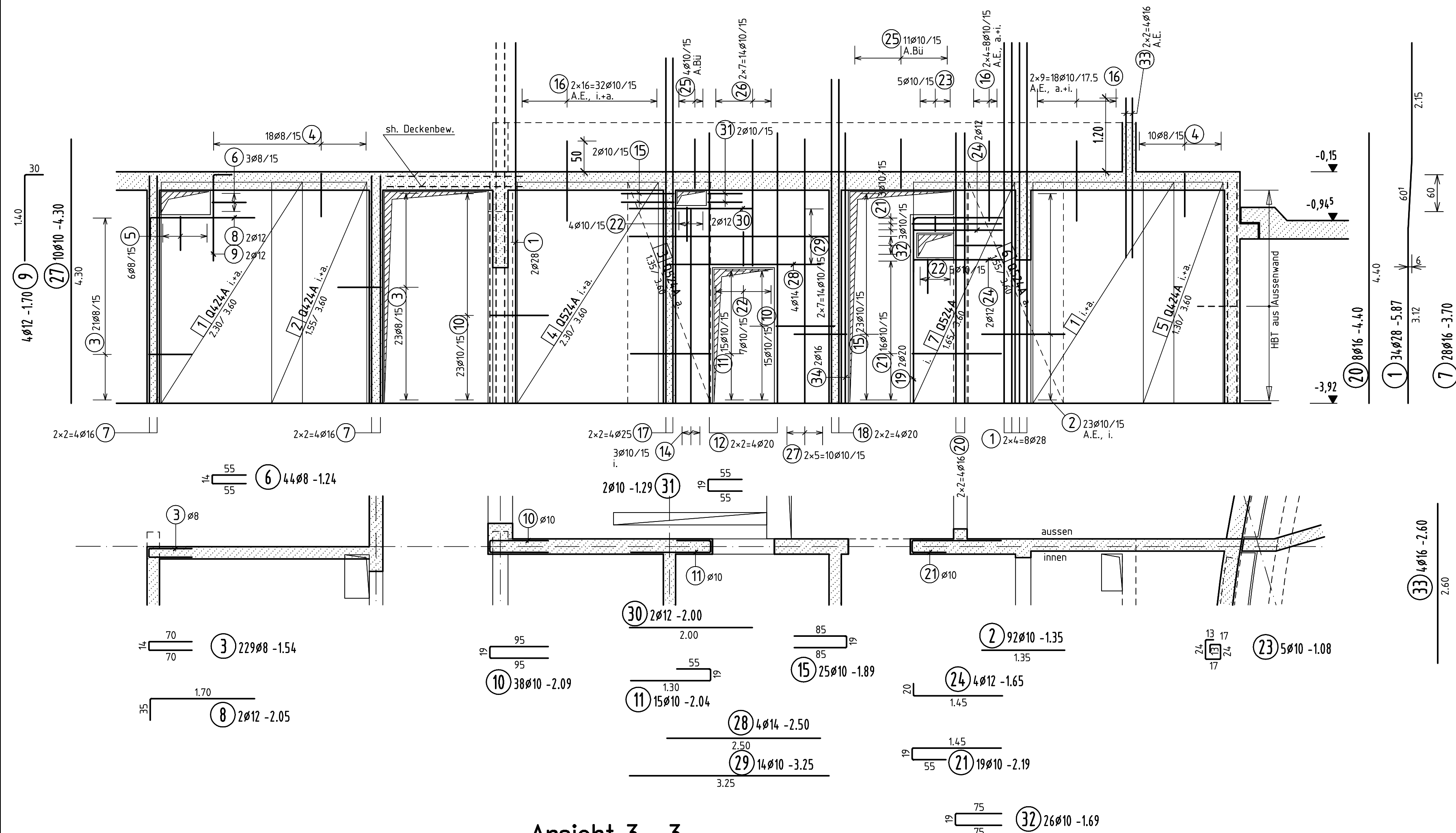


Pos. FU, F/5, D1/2,
H.1/2, H/5, J/7
5xherstellen

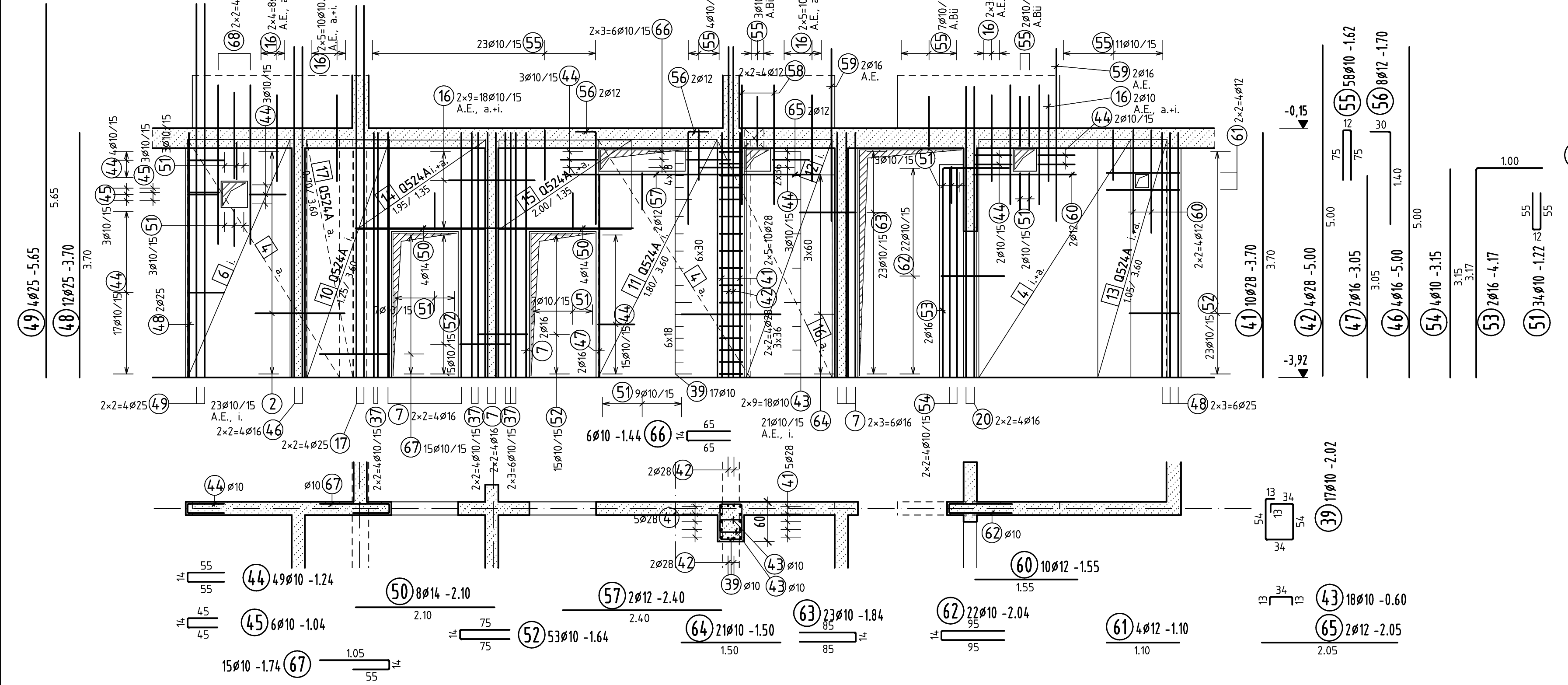


PROJEKT												
BAUHERR												
ARCHITEKT												
TRAGWERKSPLANUNG												
Planinhalt: Gründung-BT 1+3+4 Einzelfundamente-Blatt 1										VE -Nr. : Blattgröße: 118.5x84.1		
Plantyp : Bewehrungsplan		Projekt-Nr. : P2239					Maßstab : 1:50					
Gezeichnet :		Datum : 17.11.08					PLT -Datei: CAD-Datei:					
Geprüft :		Plan-Nr.:		Projekt	Geomet	Phase	Plantrag	Bausitz	Bewehrung	Maßstab	Status	Index
				BW	XX	FU	01	F	B			

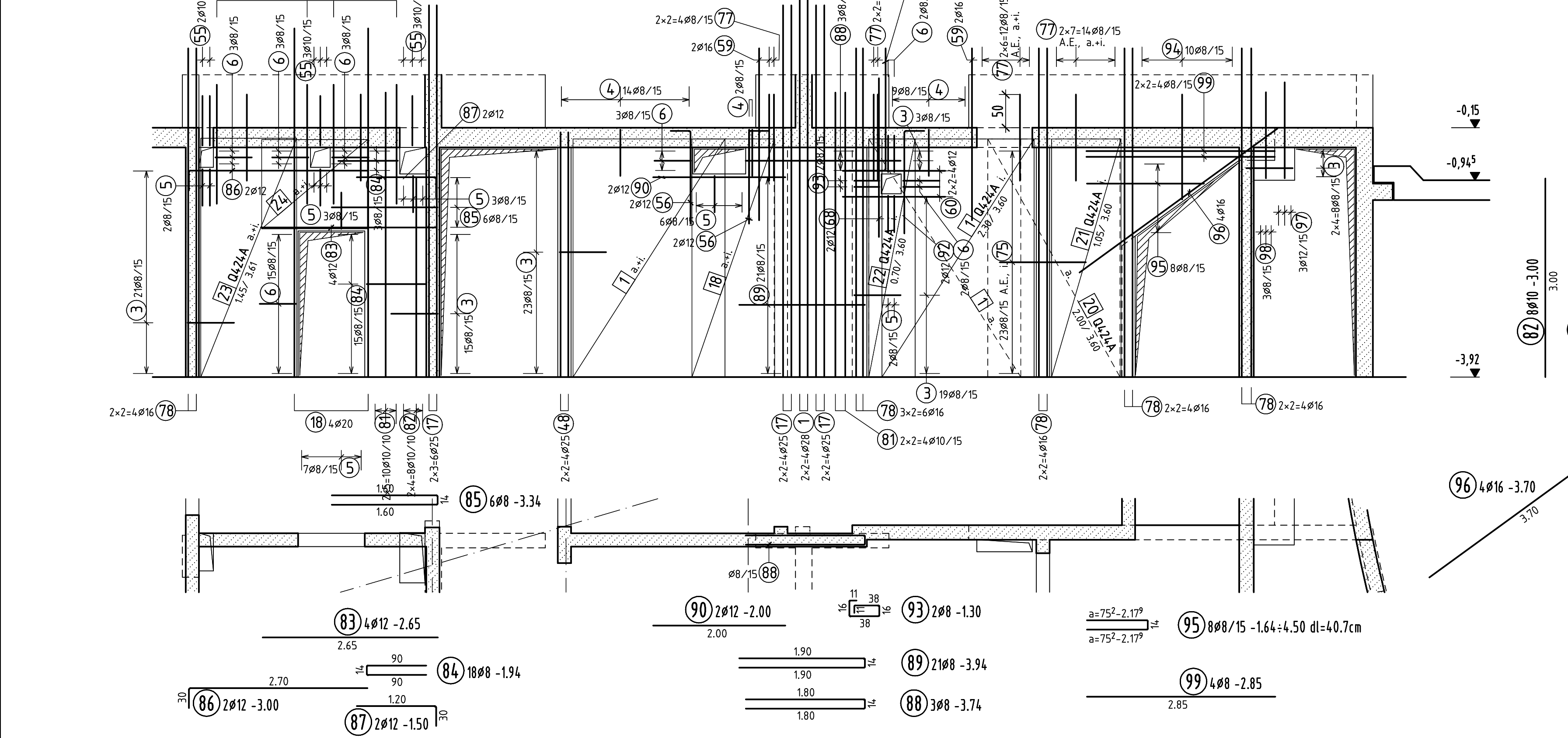
Ansicht 1 – 1
Pos. 7.01.47 Wand in Achse 2/A–E.
d=20/25cm



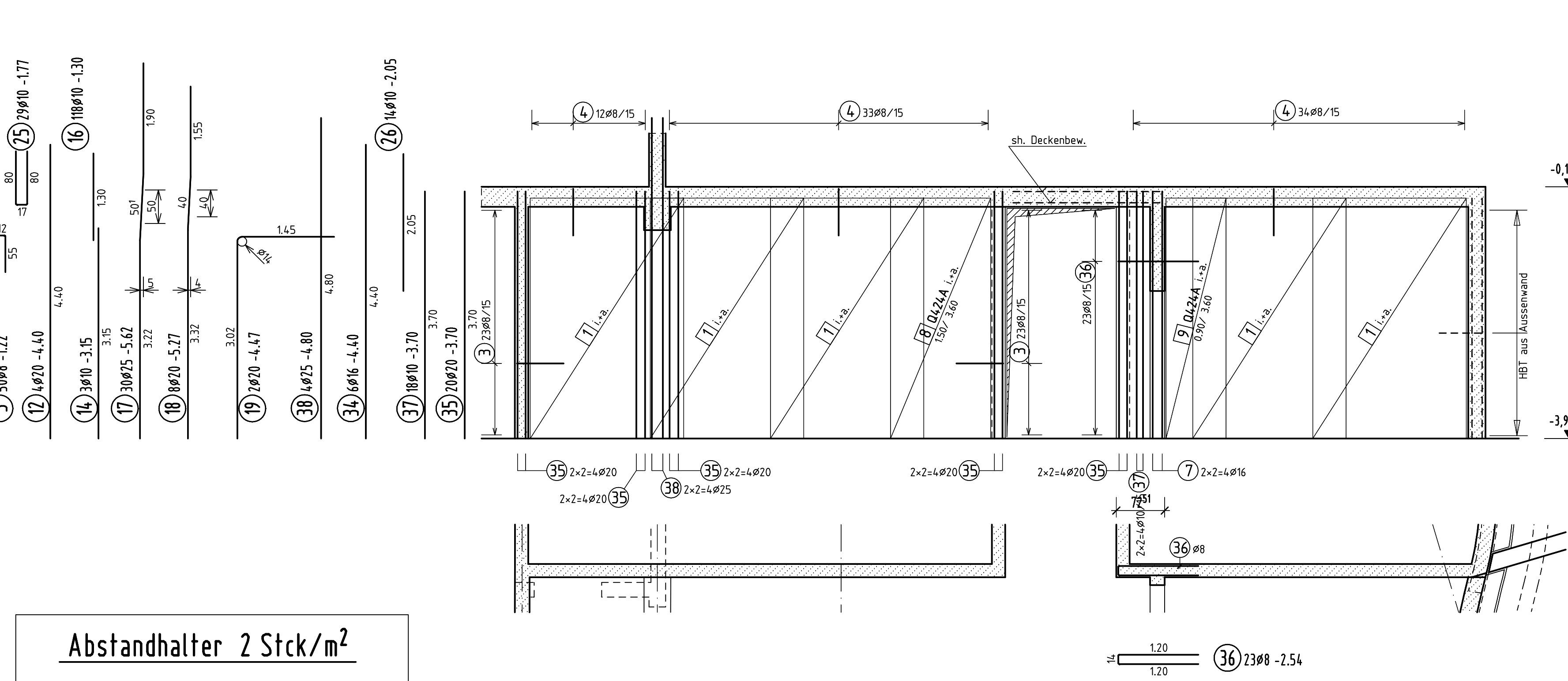
Ansicht 3 – 3
Pos. 7.01.17 Wand in Achse 5/A-E.
d=20cm



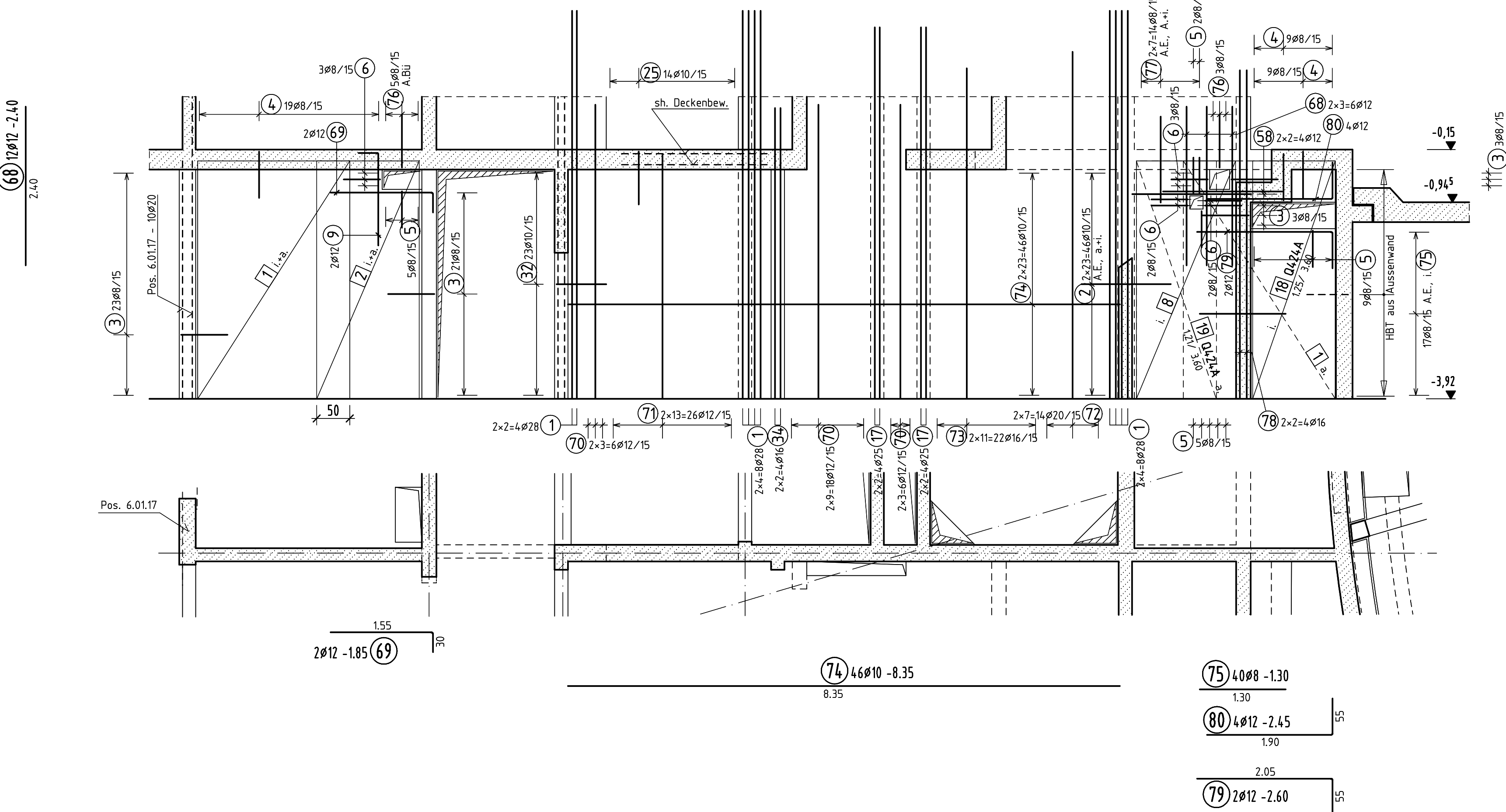
Ansicht 5 - 5
Pos. 7.01.57 u. 7.01.60 Wand in Achse 4-5/A-E.
 d=20cm



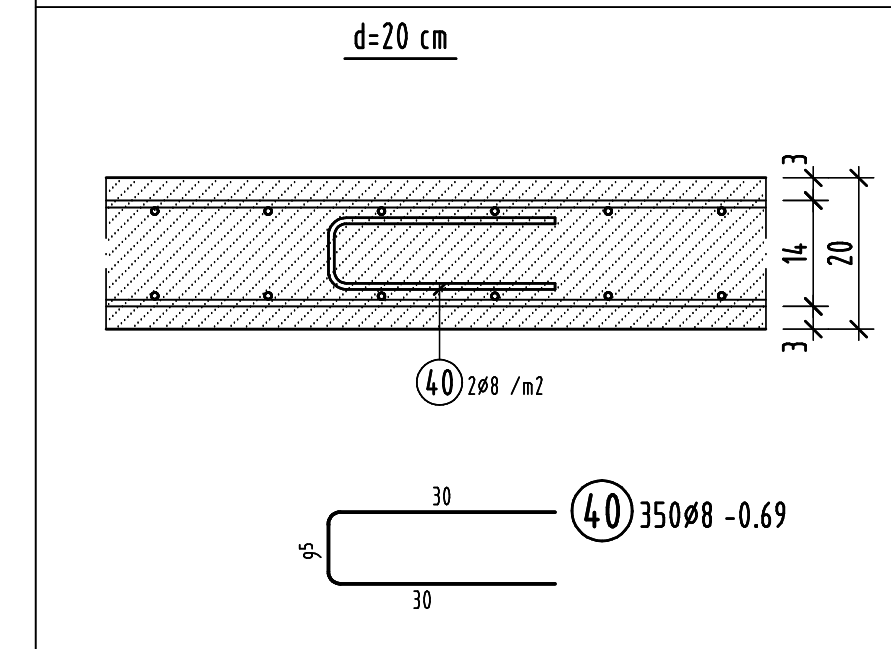
Ansicht 4 – 4
Pos. 7.01.58 u. 7.01.59 Wand in Achse 1–2/B–E.
d=20cm



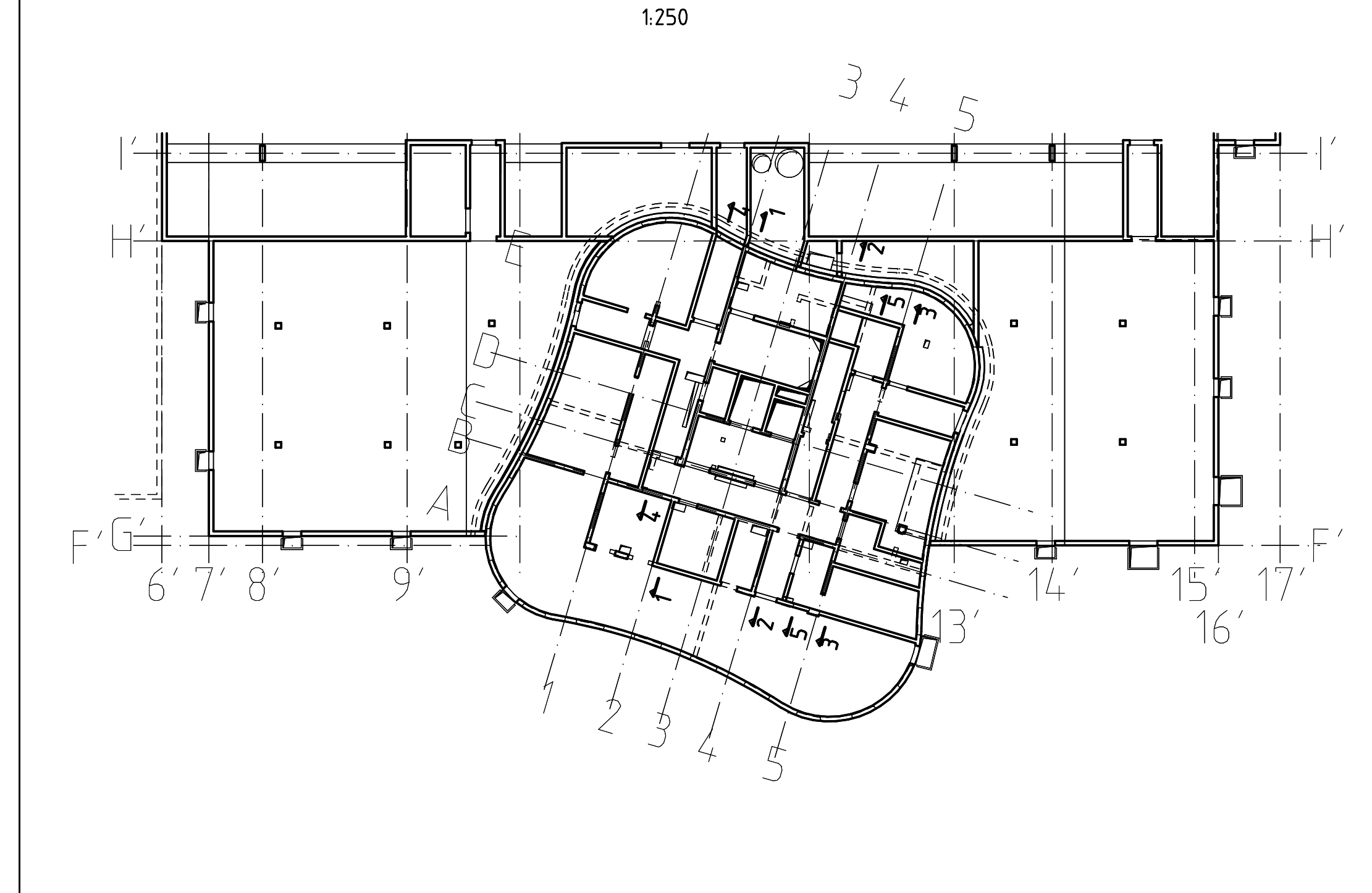
Ansicht 2 – 2
Pos. 7.01.49 Wand in Achse 4/A–E.
d=20/25cm



Abstandhalter 2 Stck/m²



Übersichtsskizze



letzte Eisenform	99
letzte Mattenposition	24

Betonstahl: BST 500 S (A) / 500 M (A)

Expositionsklassen und Betondeckungen nach DIN 1045-1				
Bauteile	Expositionsklasse	Befangtiefe	Betondeckung c_{min}	Bemerkung
Bodenplatte h=60cm	XC1/XC2	C 30/37	0,4,0cm/u,4,5cm	
Bodenplatte h=120cm	XC1/XC2	C 30/37	0,4,0cm/u,4,5cm	
Außenwände	erdseitig	XC3	C 30/37	4,0 cm
TG	innen	XC3	C 30/37	4,0 cm
Innenwände		XC1	C 30/37	3,0 cm

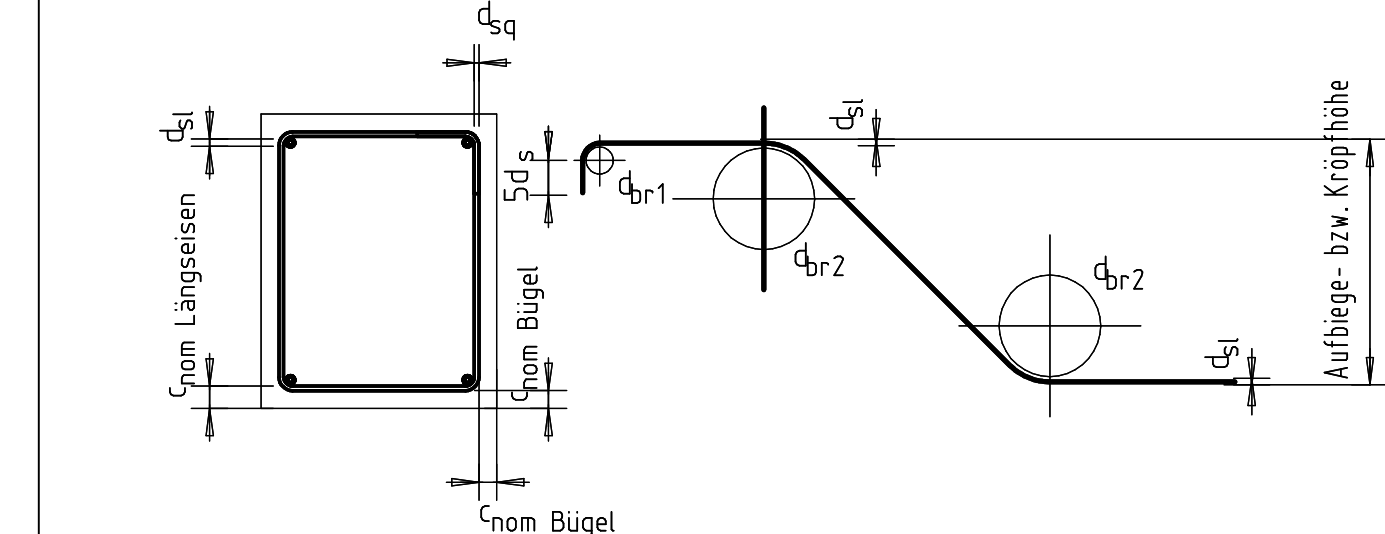
Dieser Plan gilt nur als Bewehrungsplan.
Die Lage von Aussparungen ist den Schalplänen bzw. den Plänen der Fachingenieure zu entnehmen.

Größtkorn des Zuschlagstoffes in Abhängigkeit der lichten Stababstände
DIN 1045-1, (12.2)

$dg^1 \leq 16 \text{ mm}: a \begin{cases} \geq ds, \max \\ \geq 20 \text{ mm} \\ \geq ds, \max \\ \geq dg + 5 \text{ mm} \end{cases}$

1) dg = Größtkorn des Zuschlagstoffes

Mindestwerte der Biegerolldurchmesser d_{br}
nach DIN 1045-1, Tabelle 23

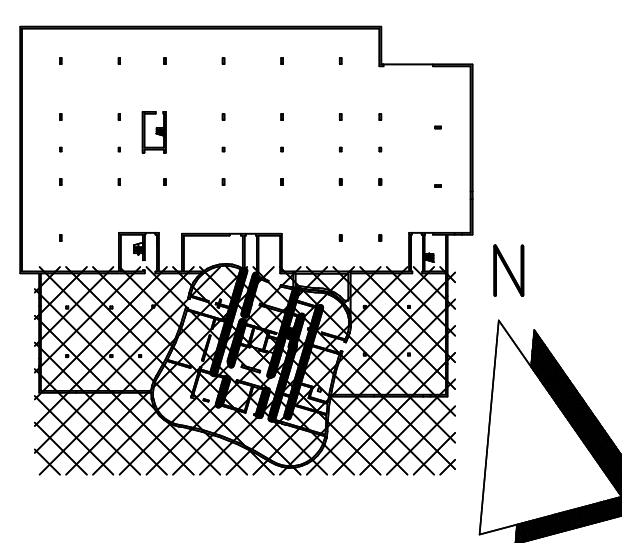


Spalte		1	2	3	4	5
		Haken, Winkelhaken Schlaufen		Schrägstäbe oder andere gebogene Stäbe		
		Stabdurchmesser		Mindestwerte der Betondeckung rechtwinklig zur Biegeebene		
		$d_s \leq 20 \text{ mm}$	$d_s > 20 \text{ mm}$	$> 100 \text{ mm}$ $> 3 d_s$	$> 50 \text{ mm}$ $> 3 d_s$	$\leq 50 \text{ mm}$ $\leq 3 d_s$
1	Mindestwerte der Biegegeroll- durchmesser	$4 d_s$	$7 d_s$	$10 d_s$	$15 d_s$	$20 d_s$

B			
A	01.08.11	LH	Plan erstellt

Bearbeitungen

Planteil: 1				KGS 5 A FV 00
Ebene: KG				

[illegible]

± 0,00 = 553,05 m üNN = OK FFB EG

VORHABEN	
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PLANNHALT

Wohnhochhaus und Tiefgarage
Innenwände KG - Blatt 2.

AUSFÜHRUNGSPLANUNG		MASSTAB
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			1:50
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PLANERSTELLER	DATUM	GEPRUEFT/FREIGEgeben	DATUM	PROJEKT-NR.: 10.1001
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	26.07.2011	.		PROJENI:
H/B = 84.1/118.9				

[illegible]

Technical drawing of a cross-section of a reinforced concrete slab. The drawing shows a central cross-section with a width of 240 cm and a height of 40 cm. The slab is supported by two walls, each 240 cm wide. The reinforcement consists of 10 bars in the top layer and 10 bars in the bottom layer. The bars are spaced at 150 mm. The drawing includes dimensions for the slab width, height, and reinforcement spacing. The reinforcement is labeled with 10 bars in the top layer and 10 bars in the bottom layer. The drawing also shows the cross-section of the walls and the reinforcement in the walls. The walls are 240 cm wide and 40 cm high. The reinforcement in the walls consists of 10 bars in the top layer and 10 bars in the bottom layer. The drawing includes dimensions for the wall width, height, and reinforcement spacing. The reinforcement is labeled with 10 bars in the top layer and 10 bars in the bottom layer.

[illegible]

Technical drawing of a 2x10mm profile. The drawing shows a cross-section of the profile with dimensions: 4.07, 3.47, 4.15, and 0.08. The material is specified as 15 8x20. The drawing includes a detail view of the profile's end, showing the 15 8x20 profile and the 15 8x20 profile. The drawing is labeled with 2 x vorh. and 4.

[illegible]

Pos. E-E 313-N1

Stütze 45/45 cm

C30/37

3 x vorh.

Technical drawing of a reinforced concrete slab (Decke) for a staircase. The drawing shows a cross-section of the slab with dimensions and reinforcement details. The slab is 12 cm thick (12 cm). The total height of the slab is 4.95 m. The width of the slab is 60 cm. The reinforcement consists of 16 bars (16) and 12 bars (12). The drawing is labeled 'Pos. E-E 313-N1' and 'Stütze 45/45 cm'. The drawing is labeled 'C30/37' and '3 x vorh.'

Technical drawing of a mechanical part, likely a bracket or support, showing dimensions and callouts:

- Top View:**
 - Overall width: $2\phi 25$ (Callout 7)
 - Overall height: $2\phi 25$ (Callout 7)
 - Internal width: $4\phi 20$ (Callout 9)
 - Internal height: $2\phi 25$ (Callout 8)
 - Distance from top edge to internal hole center: $\phi 10$ (Callout 5)
 - Distance from bottom edge to internal hole center: $\phi 10/\phi 30$ (Callout 6)
 - Distance from left edge to internal hole center: $\phi 11$ (Callout 11)
- Front View:**
 - Overall width: $2\phi 25$ (Callout 7)
 - Overall height: $2\phi 25$ (Callout 8)
 - Internal width: $4\phi 20$ (Callout 9)
 - Internal height: $2\phi 25$ (Callout 8)
 - Distance from top edge to internal hole center: $\phi 10$ (Callout 5)
 - Distance from bottom edge to internal hole center: $\phi 10/\phi 30$ (Callout 6)
 - Distance from left edge to internal hole center: $\phi 11$ (Callout 11)
- Bottom View:**
 - Overall width: $2\phi 25$ (Callout 7)
 - Overall height: $2\phi 25$ (Callout 8)
 - Internal width: $4\phi 20$ (Callout 9)
 - Internal height: $2\phi 25$ (Callout 8)
 - Distance from top edge to internal hole center: $\phi 10$ (Callout 5)
 - Distance from bottom edge to internal hole center: $\phi 10/\phi 30$ (Callout 6)
 - Distance from left edge to internal hole center: $\phi 11$ (Callout 11)

[illegible][illegible]

Technical drawing showing a cross-section of a concrete wall and floor slab. The drawing includes dimensions and reinforcement details.

Dimensions:

- Wall height: 4.15 m
- Floor slab thickness: 15 cm
- Foundation width: 150 cm
- Wall width: 60 cm
- Foundation depth: 0.51 m
- Foundation width: 150 cm

Reinforcement details:

- Top reinforcement: 14 bars, 8x20 cm spacing
- Bottom reinforcement: 15 bars, 8x20 cm spacing
- Vertical reinforcement: 32 bars, 8x20 cm spacing

Labels:

- 1 x vorh.
- C40/50
- Verstärkung 15/30/30 cm

Technical drawing of a square plate. The top view shows a square with a central square hole. Dimensions include a total width of 125, a central hole diameter of $\varnothing 10$, and a distance from the center to the outer edge of 32. A detail view labeled 'Typ I' shows a corner of the plate with a radius of $R 20$. A detail view labeled '14' shows a corner of the plate with a radius of $R 10$. A detail view labeled '15' shows a corner of the plate with a radius of $R 10$.

Technical drawing of a mechanical assembly, likely a pump or motor component, showing various parts and dimensions.

Dimensions and Part Numbers:

- $3 \times (23) 3 \varnothing 8 - 1.4.4$
- $3 \times (21) 3 \varnothing 12 - 1.90$
- $3 \times (19) 2 \varnothing 20 - 1.95$
- $3 \times (22) 4 \varnothing 12 - 2.4.4$

Other Dimensions and Part Numbers:

- 15 , 37 , 17 , 15
- 67 , 67 , 67 , 67
- 19 , $2 \varnothing 20$
- 22 , $4 \varnothing 12$
- 23 , $3 \varnothing 8$
- 20 , $1 \varnothing 20$
- 53 , 53
- 55 , 55
- 65 , 65
- 69 , 69
- 69 , 69

Technical drawing of a reinforced concrete wall cross-section. The wall is 1x vorh. (1x visible). It shows a cross-section with a width of 30 cm. The wall is reinforced with vertical bars (14, 16, 18) and horizontal bars (10, 12). The wall is supported by a foundation (14) and a roof slab (16). The drawing includes dimensions for the wall height (4.5 m) and the foundation depth (0.20 m). The wall is labeled '34' and '36'.

The diagram illustrates two optical configurations, Type III and Type I. Type III features a lens (14) at the top, a mirror (18) below it, and a series of lenses (16, 18, 18) and a mirror (16) at the bottom. A light source (34) is positioned at the top left, and a detector (34) is at the top right. Type I features a lens (14) at the top, a mirror (15) below it, and a series of lenses (16, 18, 18) and a mirror (16) at the bottom. A light source (34) is positioned at the top left, and a detector (34) is at the top right. The diagram also includes a dashed box (14) and a dashed box (15) representing the optical paths.

Typ I
Kontrolle wie neben-
Eisenform Nr. 19 bis 2

Typ II
Kontrolle wie neben-
Eisenform Nr. 19 bis 2

Typ III
Kontrolle wie neben-
Eisenform Nr. 19 bis 2

[illegible]

Technical drawing showing a cross-section of a wall and a detail view of the reinforcement bars.

The main section shows a wall with a height of 4.5m and a width of 1.1m. The reinforcement consists of vertical bars (B8/20) and horizontal bars (B8/20). The wall is labeled "11" on both sides.

The detail view shows a cross-section of a wall with reinforcement bars (B8/20) and a detail view of the reinforcement bars. The drawing includes a cross-section of a wall with reinforcement bars (B8/20) and a detail view of the reinforcement bars.

Reinforcement details:

- Vertical bars: B8/20
- Horizontal bars: B8/20
- Detail view: B8/20 A.E.

Dimensions and notes:

- Height: 4.5m
- Width: 1.1m
- Reinforcement: B8/20
- Detail view: B8/20 A.E.
- Notes: Anstreicherei, B8/20 einbauen s. 275m und mit B8/1000 - RYFES einbauen

Technical drawing of a circular part with the following dimensions and callouts:

- Top dimension: 1.25
- Callout 30: $8\varnothing 20$
- Callout 36: $8\varnothing 20$ A.E.
- Callout 31: $\varnothing 10$
- Bottom callout 31: $26\varnothing 10 - 1.72$
- Bottom view details:
 - Angle: 1.55°
 - Radius: R_1
 - Angle: 10°
 - Dimension: 13

■ Fertighöhe
 ± 0.00 =
 ■ Maßstab
 1:50
 ■ gezeichnet
 ID

Technical drawing of a reinforced concrete beam cross-section and elevation. The drawing shows a beam with a central rectangular opening. Key dimensions and annotations include:

- Top reinforcement: (2) 6ø16 - 8.00 oben, (2) 3ø16
- Bottom reinforcement: (1) 4ø12 - 7.00 seitt., (1) 14ø12 - 1.80, (1) 7ø25 - 13.20 unten
- Beam length: 7.00m
- Beam width: 1.65m
- Beam height: 1.30m
- Opening width: 2.00m
- Opening height: 0.80m
- Reinforcement details: 2x2=4ø12, 2ø12, 2ø12
- Beam label: 13.20

[illegible][illegible]

The drawing consists of three main views: a top view (Deckplan), a side view (Seitenansicht), and a cross-section (Querschnitt).

- Top View (Deckplan):** Shows the overall dimensions of the slab, which is 7.00m wide and 13.20m long. It includes reinforcement details for the top and bottom layers, such as $\textcircled{11} 6\phi 16 - 7.95$ oben, $\textcircled{12} 2\phi 16 - 7.00$ oben, $\textcircled{13} 4\phi 12 - 4.80$ oben, $\textcircled{14} 24\phi 12 - 7.00$ seitl., $\textcircled{15} 12\phi 12 - 1.50$, $\textcircled{16} 3/11-28\phi 10/30$, $\textcircled{17} 3/7-14\phi 10/15$, and $\textcircled{18} 3/11-22\phi 10/30$.
- Side View (Seitenansicht):** Shows the vertical dimensions of the slab, including the total thickness of 33.97cm and the effective depth of 25.21cm. It also shows the reinforcement details for the side, such as $\textcircled{14} 24\phi 12 - 7.00$ seitl.
- Cross-section (Querschnitt):** Shows the internal structure of the slab, including the reinforcement bars and the concrete cover. It includes details for the top and bottom reinforcement, such as $\textcircled{11} 6\phi 16 - 7.95$ oben, $\textcircled{12} 2\phi 16 - 7.00$ oben, $\textcircled{13} 4\phi 12 - 4.80$ oben, $\textcircled{14} 24\phi 12 - 7.00$ seitl., $\textcircled{15} 12\phi 12 - 1.50$, $\textcircled{16} 3/11-28\phi 10/30$, $\textcircled{17} 3/7-14\phi 10/15$, and $\textcircled{18} 3/11-22\phi 10/30$.

[illegible][illegible][illegible]

vertikal	vertikal		Ständermesser: s [mm]	Haken, Schloßring, Biegel d [mm]
horizontal	horizontal		15	4 bis
a.	adax		20 bis 28	7 bis
a.	axax			
u.	uxion			
li.	bedarfslos			
li.	verstellbar			
u/w.	an Wechsellagerung			
ver	verstellbar li-Ströbe			

			(A00, KCM 90)	
--	--	--	---------------	--

Bauteilbezeichnung :	UZ				
Festigkeitsklasse	C30/37				
Expositiionsklasse	XC3, WF				
Größtkorn in mm	32				
Unbew./Stahlb./Spannb.	Stahlbeton				
Besondere Eigenschaften					
Betonnengen [m³]					
Betonstahl	BSI 5005 (A)				
Var/legenß der Bewehrung	oben				
cv in cm	innen/sauß.	3,5cm			
	außen	3,5cm			
Biegeanweisung Betonstahl nach DIN 1045-2008-08 oder besonderer Vorgabe					

[illegible]

G			
F			
E			
D			
C			
B			
A			
-	Erstausgabe	HB	28.10.2011
Index	Änderungsinhalt	gezeichnet	Datum
Änderungen			

[illegible]