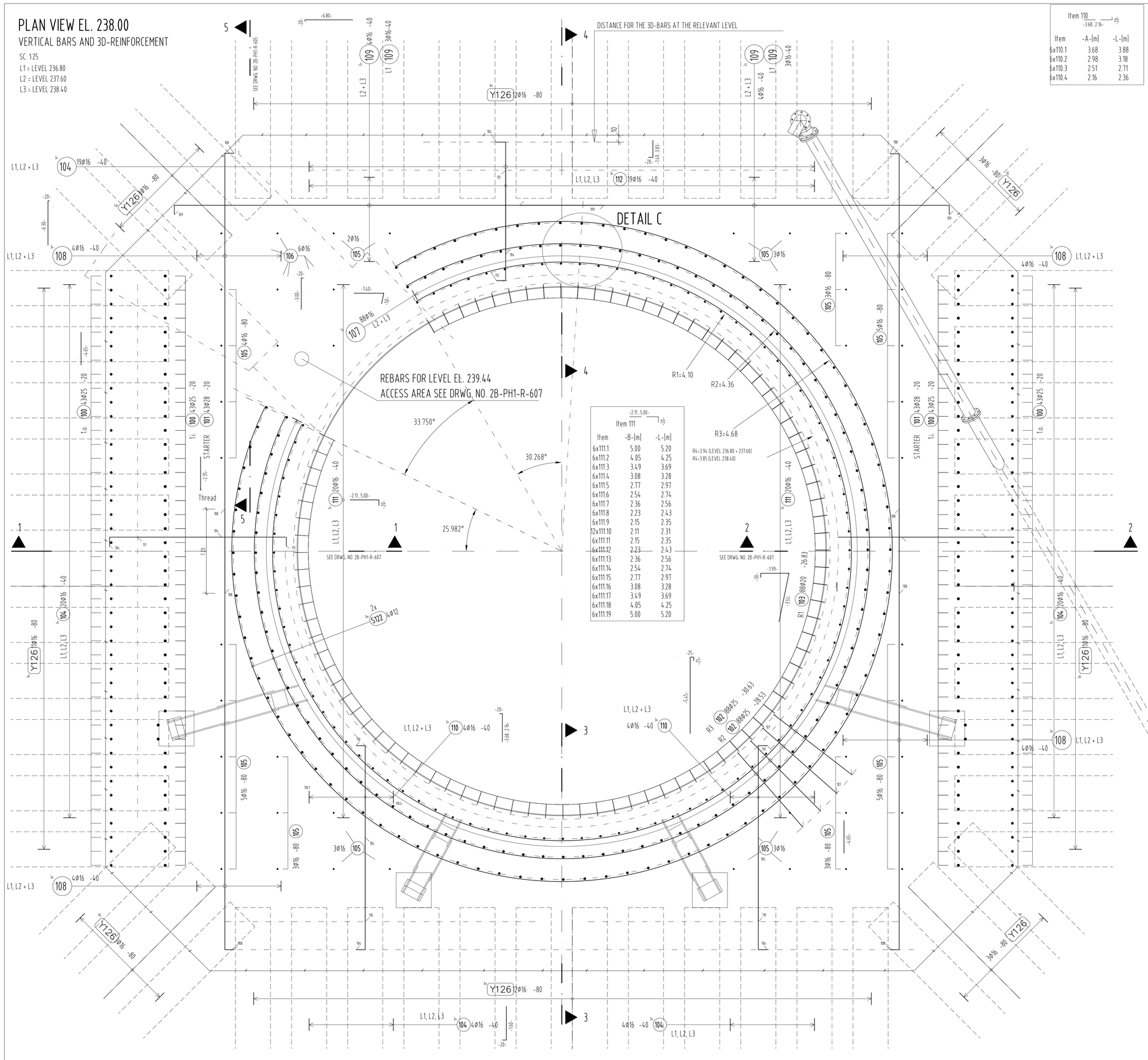
PLAN VIEW EL. 238.00

VERTICAL BARS AND 3D-REINFORCEMENT

SC. 1:25

L1 = LEVEL 236.80
L2 = LEVEL 237.60
L3 = LEVEL 238.40



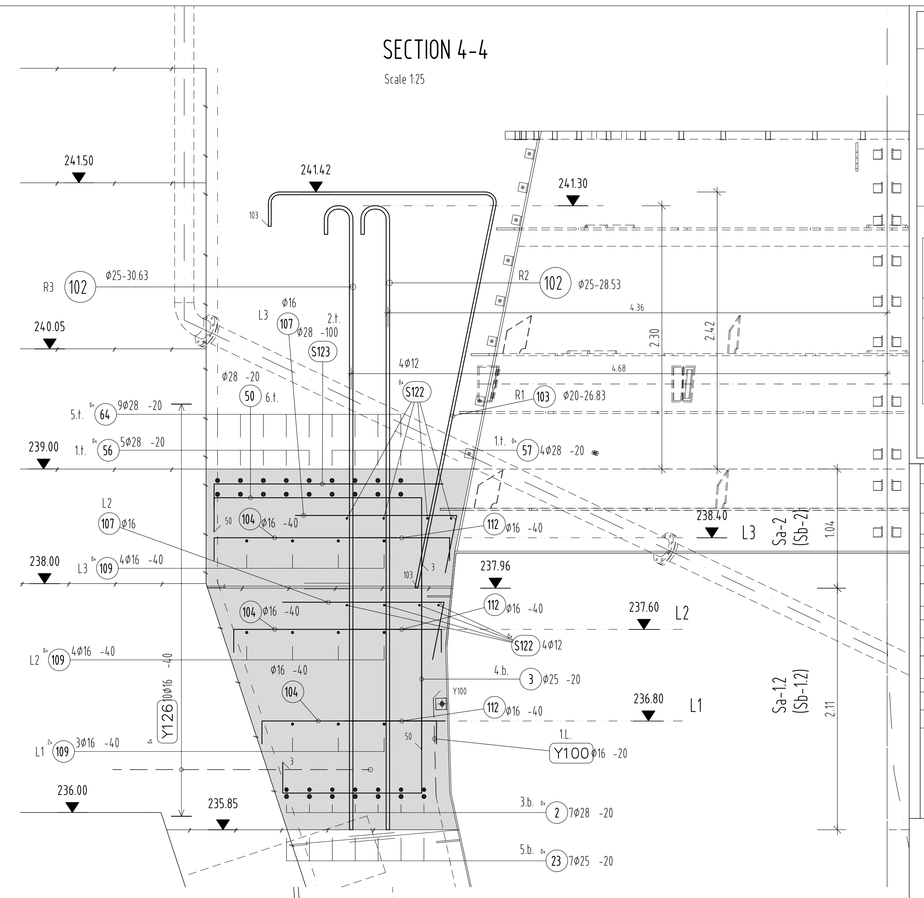
Item 110	-368.2 lb-	½
Item	-A-[m]	-L-[m]
6x110.1	3.68	3.88
6x110.2	2.98	3.18
6x110.3	2.51	2.71
6x110.4	2.16	2.36

Item 111	-2 m. 5.00-	½
Item	-B-[m]	-L-[m]
6x111.1	5.00	5.20
6x111.2	4.05	4.25
6x111.3	3.49	3.69
6x111.4	3.08	3.28
6x111.5	2.77	2.97
6x111.6	2.54	2.74
6x111.7	2.36	2.56
6x111.8	2.23	2.43
6x111.9	2.15	2.35
12x111.10	2.11	2.31
6x111.11	2.15	2.35
6x111.12	2.23	2.43
6x111.13	2.36	2.56
6x111.14	2.54	2.74
6x111.15	2.77	2.97
6x111.16	3.08	3.28
6x111.17	3.49	3.69
6x111.18	4.05	4.25
6x111.19	5.00	5.20

Item 112	-1 kN. 3.83-	½
Item	-B-[m]	-L-[m]
3x112.1	3.83	4.03
3x112.2	3.13	3.33
3x112.3	2.66	2.86
3x112.4	2.31	2.51
3x112.5	2.04	2.24
3x112.6	1.83	2.03
3x112.7	1.68	1.88
3x112.8	1.57	1.77
3x112.9	1.51	1.71
3x112.10	1.49	1.69
3x112.11	1.51	1.71
3x112.12	1.57	1.77
3x112.13	1.68	1.88
3x112.14	1.83	2.03
3x112.15	2.04	2.24
3x112.16	2.31	2.51
3x112.17	2.66	2.86
3x112.18	3.13	3.33
3x112.19	3.83	4.03

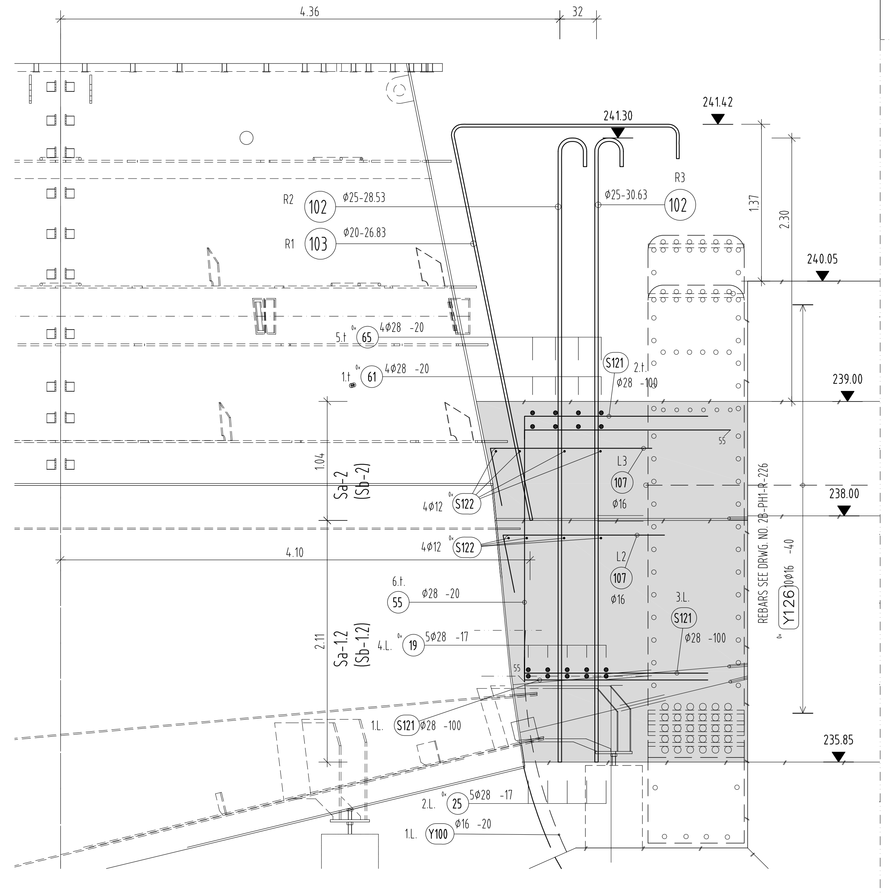
SECTION 4-4

Scale 1:25



SECTION 3-3

Scale 1:25



STRUCTURAL COMPONENT	CLASS OF CONCRETE	GRADE OF REINFORCEMENT	CONCRETE COVER nom c$_v$
Wall - Slab	C20/25	BSt 420 S BSt 420 SX	CONCRETE COVER TO MAIN REINFORCEMENT MIN. 6cm (MAX. 8cm) & TO STIRRUPS MIN. 4cm (MAX. 6cm)

BENDING DIMENSIONS GIVEN ON DRAWING ARE OUTSIDE TO OUTSIDE MEASUREMENTS

BENDING SCHEDULE 11 SHEET/S — MESH SCHEDULE ./. SHEET/S

LAST BAR MARK S124 — LAST MESH MARK ./.

MINIMUM DIAMETER OF BENDING FORMER d_M ACCORDING TO DIN 488, 9.84 Sheet 1, Table 1 and DIN 1045, 7.88 Table 18

Diameter of bar	U-Hooks L-Hooks Loops Stirrups	Concrete cover at right angles to the plane of curvature	Bent-up and other curved bars e.g. frame corner	Inner layers of bent-up and other curved bars of more than one layer
d_s mm		d_s		
< 20	$4d_s$	all diameters: ≤5cm and ≤$3d_s$	$15d_s$	$22.5d_s$
20-28	$7d_s$	all diameters: >5cm or >$3d_s$	$20d_s$	$30d_s$

SPACERS: ACCORDING TO DBV-NOTES "SPACERS"(FOR TYPE) AND "CONCRETE COVER"(TAB.4 FOR ARRANGEMENT)

MINIMUM OVERLAPPING AND ANCHORING LENGTH:
(ONLY VALID IF NONE DETAIL INFORMATIONS ARE GIVEN ON THE DRAWING LOCALLY.)

ANCHORING LENGTH OF RIBBED REBARS (dimensions in cm)

ø	ø10	ø12	ø14	ø16	ø18	ø20	ø22	ø25	ø28	ø30	ø32	ø36
Bottom Layer 1)	33	40	47	53	60	67	73	83	93	100	107	120
TOP LAYER 2)	67	80	93	107	120	133	147	167	187	200	213	240

SPLICE LENGTH OF RIBBED REBARS (dimensions in cm), FOR SPLICES ≤50% IN ONE SECTION

ø	ø10	ø12	ø14	ø16	ø18	ø20	ø22	ø25	ø28	ø30	ø32	ø36
Bottom Layer 1)	47	56	65	96	108	120	132	150	168	180	192	216
TOP LAYER 2)	70	84	98	144	162	180	198	225	252	270	288	324

SPLICE LENGTH OF RIBBED REBARS (dimensions in cm), FOR SPLICES >50% IN ONE SECTION

ø	ø10	ø12	ø14	ø16	ø18	ø20	ø22	ø25	ø28	ø30	ø32	ø36
Bottom Layer 1)	53	64	75	117	132	147	161	183	205	220	235	264
TOP LAYER 2)	80	96	112	176	198	220	242	275	308	330	352	396

1) For reinforcement inclinded 0°to 45°to the vertical and top reinforcement of concrete layers thinner or equal 30 cm
2) For concrete layers thicker than 30 cm
3) The spacing between the middles of the staggered overlaps must be minimum 1..3 times the value of the table

THIS DRWG. IS TO BE READ IN CONJUNCTION WITH:

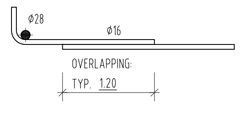
2B-PH1-R-604 - PLAN VIEW 236.00

2B-PH1-R-606 - PLAN VIEW 239.00, DETAIL A
2B-PH1-R-607 - SECTION 1-1, 2-2 & 5-5, PLAN VIEW 239.44

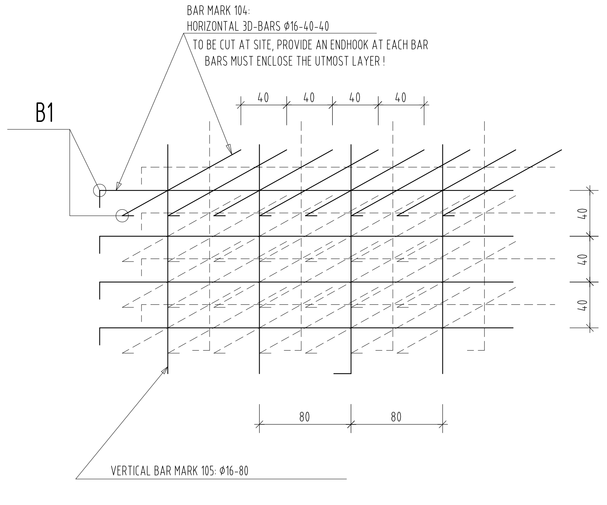
BAR BENDING SCHEDULE ONLY FOR 1 UNIT

DETAIL B1

SCALE 1:10



TYPICAL ARRANGEMENT 3D-BARS



Legend :

(SXXX) = Spacer

0 × = Rebars are counted at other place
N × = Bars counted N-times