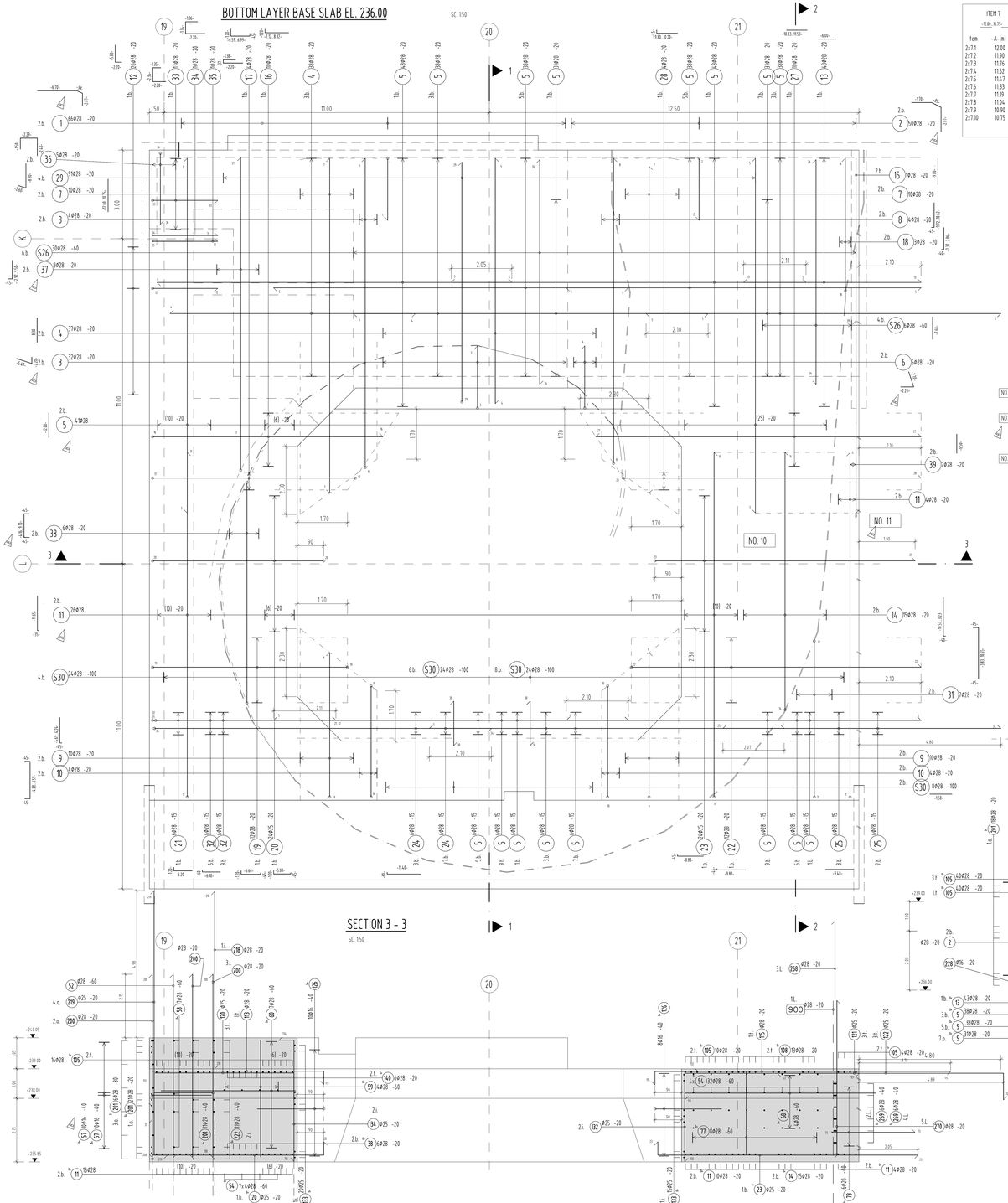
# BOTTOM LAYER BASE SLAB EL. 236.00

SC. 150




| ITEM 7 | | |
|---|---|---|
| Item | -A-[m] | -L-[m] |
| 2x7.1 | 12.00 | 12.00 |
| 2x7.2 | 11.90 | 11.90 |
| 2x7.3 | 11.76 | 11.76 |
| 2x7.4 | 11.62 | 11.62 |
| 2x7.5 | 11.47 | 11.47 |
| 2x7.6 | 11.33 | 11.33 |
| 2x7.7 | 11.19 | 11.19 |
| 2x7.8 | 11.04 | 11.04 |
| 2x7.9 | 10.90 | 10.90 |
| 2x7.10 | 10.75 | 10.75 |

| ITEM 8 | | |
|---|---|---|
| Item | -B-[m] | -L-[m] |
| 2x8.1 | 9.72 | 10.17 |
| 2x8.2 | 10.02 | 10.47 |
| 2x8.3 | 10.32 | 10.77 |
| 2x8.4 | 10.62 | 11.07 |

| ITEM 10 | | |
|---|---|---|
| Item | -B-[m] | -L-[m] |
| 2x10.1 | 4.08 | 4.98 |
| 2x10.2 | 3.92 | 4.82 |
| 2x10.3 | 3.75 | 4.65 |
| 2x10.4 | 3.59 | 4.49 |

| ITEM 9 | | |
|---|---|---|
| Item | -B-[m] | -L-[m] |
| 2x9.1 | 5.69 | 6.14 |
| 2x9.2 | 5.53 | 5.98 |
| 2x9.3 | 5.37 | 5.82 |
| 2x9.4 | 5.21 | 5.66 |
| 2x9.5 | 5.05 | 5.50 |
| 2x9.6 | 4.89 | 5.34 |
| 2x9.7 | 4.72 | 5.17 |
| 2x9.8 | 4.56 | 5.01 |
| 2x9.9 | 4.40 | 4.85 |
| 2x9.10 | 4.24 | 4.69 |

| ITEM 18 | | |
|---|---|---|
| Item | -B-[m] | -L-[m] |
| 1x18.1 | 7.37 | 7.77 |
| 1x18.2 | 7.92 | 7.32 |
| 1x18.3 | 2.86 | 3.26 |

| | | |
|---|---|---|
| Item | -A-[m] | -L-[m] |
| 1x14.1 | 10.57 | 10.97 |
| 1x14.2 | 10.31 | 10.71 |
| 1x14.3 | 10.05 | 10.45 |
| 1x14.4 | 9.79 | 10.19 |
| 1x14.5 | 9.53 | 9.93 |
| 1x14.6 | 9.27 | 9.67 |
| 1x14.7 | 9.01 | 9.41 |
| 1x14.8 | 8.71 | 9.11 |
| 1x14.9 | 8.23 | 8.63 |
| 1x14.10 | 7.74 | 8.14 |
| 1x14.11 | 7.26 | 7.66 |
| 1x14.12 | 6.78 | 7.18 |
| 1x14.13 | 6.29 | 6.69 |
| 1x14.14 | 5.11 | 5.51 |
| 1x14.15 | 3.23 | 3.63 |

| ITEM 16 | | |
|---|---|---|
| Item | -B-[m] | -L-[m] |
| 1x16.1 | 7.12 | 8.12 |
| 1x16.2 | 7.26 | 8.46 |
| 1x16.3 | 7.39 | 8.59 |
| 1x16.4 | 7.52 | 8.72 |
| 1x16.5 | 7.65 | 8.85 |
| 1x16.6 | 7.79 | 8.99 |
| 1x16.7 | 7.92 | 9.12 |
| 1x16.8 | 8.05 | 9.25 |
| 1x16.9 | 8.19 | 9.39 |
| 1x16.10 | 8.32 | 9.52 |

| ITEM 17 | | |
|---|---|---|
| Item | -B-[m] | -L-[m] |
| 1x17.1 | 6.59 | 8.24 |
| 1x17.2 | 6.72 | 8.37 |
| 1x17.3 | 6.86 | 8.51 |
| 1x17.4 | 6.99 | 8.64 |

| ITEM 27 | | |
|---|---|---|
| Item | -A-[m] | -L-[m] |
| 1x27.1 | 10.33 | 10.33 |
| 1x27.2 | 10.47 | 10.47 |
| 1x27.3 | 10.60 | 10.60 |
| 1x27.4 | 10.73 | 10.73 |
| 1x27.5 | 10.86 | 10.86 |
| 1x27.6 | 11.00 | 11.00 |
| 1x27.7 | 11.13 | 11.13 |
| 1x27.8 | 11.26 | 11.26 |
| 1x27.9 | 11.40 | 11.40 |
| 1x27.10 | 11.53 | 11.53 |

| ITEM 28 | | |
|---|---|---|
| Item | -B-[m] | -L-[m] |
| 1x28.1 | 9.80 | 10.25 |
| 1x28.2 | 9.93 | 10.38 |
| 1x28.3 | 10.07 | 10.52 |
| 1x28.4 | 10.20 | 10.65 |

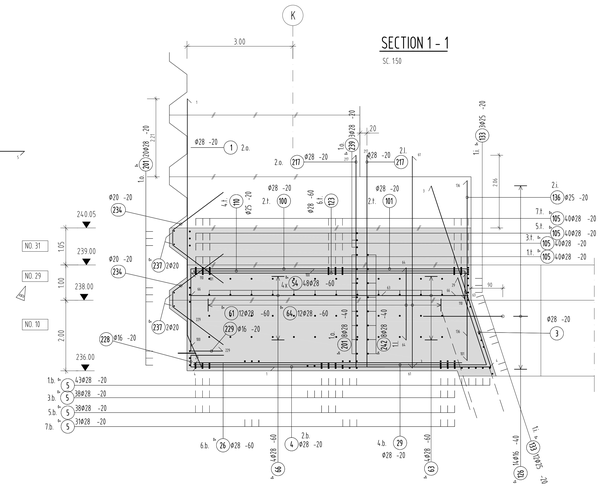
| ITEM 37 | | |
|---|---|---|
| Item | -B-[m] | -L-[m] |
| 1x37.1 | 12.97 | 13.42 |
| 1x37.2 | 11.88 | 12.33 |
| 1x37.3 | 11.42 | 11.87 |
| 1x37.4 | 11.00 | 11.45 |
| 1x37.5 | 10.58 | 11.03 |
| 1x37.6 | 10.16 | 10.61 |
| 1x37.7 | 9.74 | 10.19 |
| 1x37.8 | 9.50 | 9.95 |

| ITEM 38 | | |
|---|---|---|
| Item | -B-[m] | -L-[m] |
| 1x38.1 | 4.16 | 5.06 |
| 1x38.2 | 5.58 | 6.48 |
| 1x38.3 | 6.52 | 7.42 |
| 1x38.4 | 7.47 | 8.37 |
| 1x38.5 | 8.41 | 9.31 |
| 1x38.6 | 9.10 | 10.00 |

| ITEM 31 | | |
|---|---|---|
| Item | -B-[m] | -L-[m] |
| 1x31.1 | 3.83 | 4.73 |
| 1x31.2 | 4.31 | 5.21 |
| 1x31.3 | 4.79 | 5.69 |
| 1x31.4 | 5.28 | 6.18 |
| 1x31.5 | 6.24 | 7.14 |
| 1x31.6 | 7.99 | 8.89 |
| 1x31.7 | 10.65 | 11.55 |

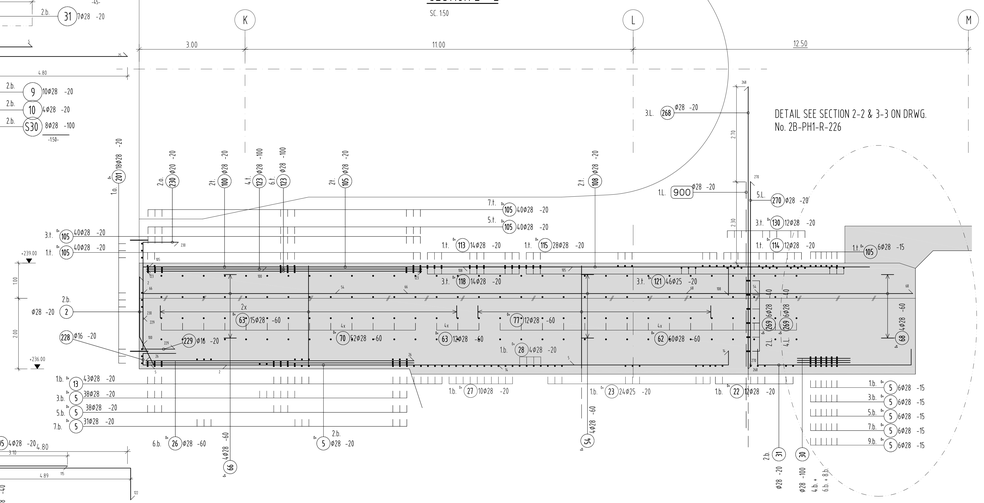
# SECTION 1 - 1

SC. 150




# SECTION 2 - 2

SC. 150




# SECTION 3 - 3

SC. 150



Legend :

(SXXX) = Spacer

0 × = Rebars are counted at other place

N × = Bars counted N-times

| STRUCTURAL COMPONENT | CLASS OF CONCRETE | GRADE OF REINFORCEMENT | CONCRETE COVER nom $c_v$ |
|---|---|---|---|
| Base Slab | C20/25 | BSt 420 S | 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 7 SHEET/S — MESH SCHEDULE ../ SHEET/S

LAST BAR MARK (39) — LAST MESH MARK ../.

MINIMUM DIAMETER OF BENDING FORMER $d_M$ ACCORDING TO DIN 4088, 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 | $4d_s$ | ≤5cm and ≤$3d_s$ | $15d_s$ | $22.5d_s$ |
| 20-28 | $7d_s$ | >5cm or >$3d_s$ | $20d_s$ | $30d_s$ |

all diameters

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 CONJUNTION WITH:

2B-PH1-R-222 - TOP LAYER BASE SLAB EL. 236.00
2B-PH1-R-223 - STARTER BARS AXES 19 + K
2B-PH1-R-224 - STARTER BARS AXES 21
2B-PH1-R-225 - SHEAR BARS AND SECTIONS
2B-PH1-R-226 - WALL AND BEAM GALLERY AXIS M
2B-PH1-R-227 - SLAB OVER GALLERY AXIS M EL. 240.05
2B-PH1-R-238 - CRADLES M1 - M6
2B-PH1-R-239 - CRADLES M7 - M12

## CLASSIFICATION BAR MARKS

| | | |
|---|---|---|
| 1 | - 50 | DRWG. NO. 2B-PH1-R-221 |
| 100 | - 199 | DRWG. NO. 2B-PH1-R-222 |
| 200 | - 249 | DRWG. NO. 2B-PH1-R-223 |
| 250 | - 299 | DRWG. NO. 2B-PH1-R-224 |
| 51 | - 99 | DRWG. NO. 2B-PH1-R-225 |
| 300 | - 329 | DRWG. NO. 2B-PH1-R-226 |
| 330 | - 399 | DRWG. NO. 2B-PH1-R-227 |
| 900 | - 999 | EXISTING BARS |