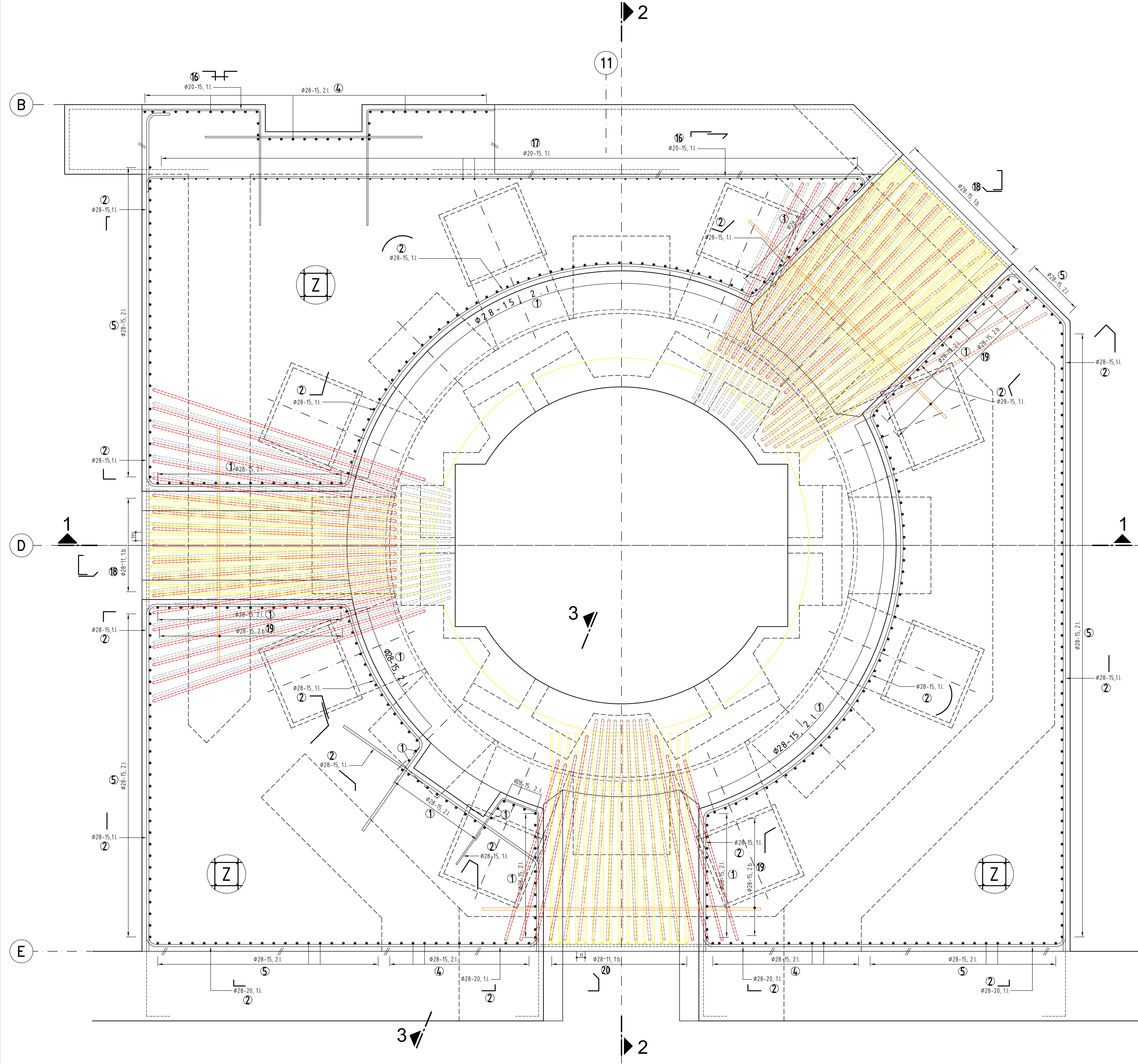
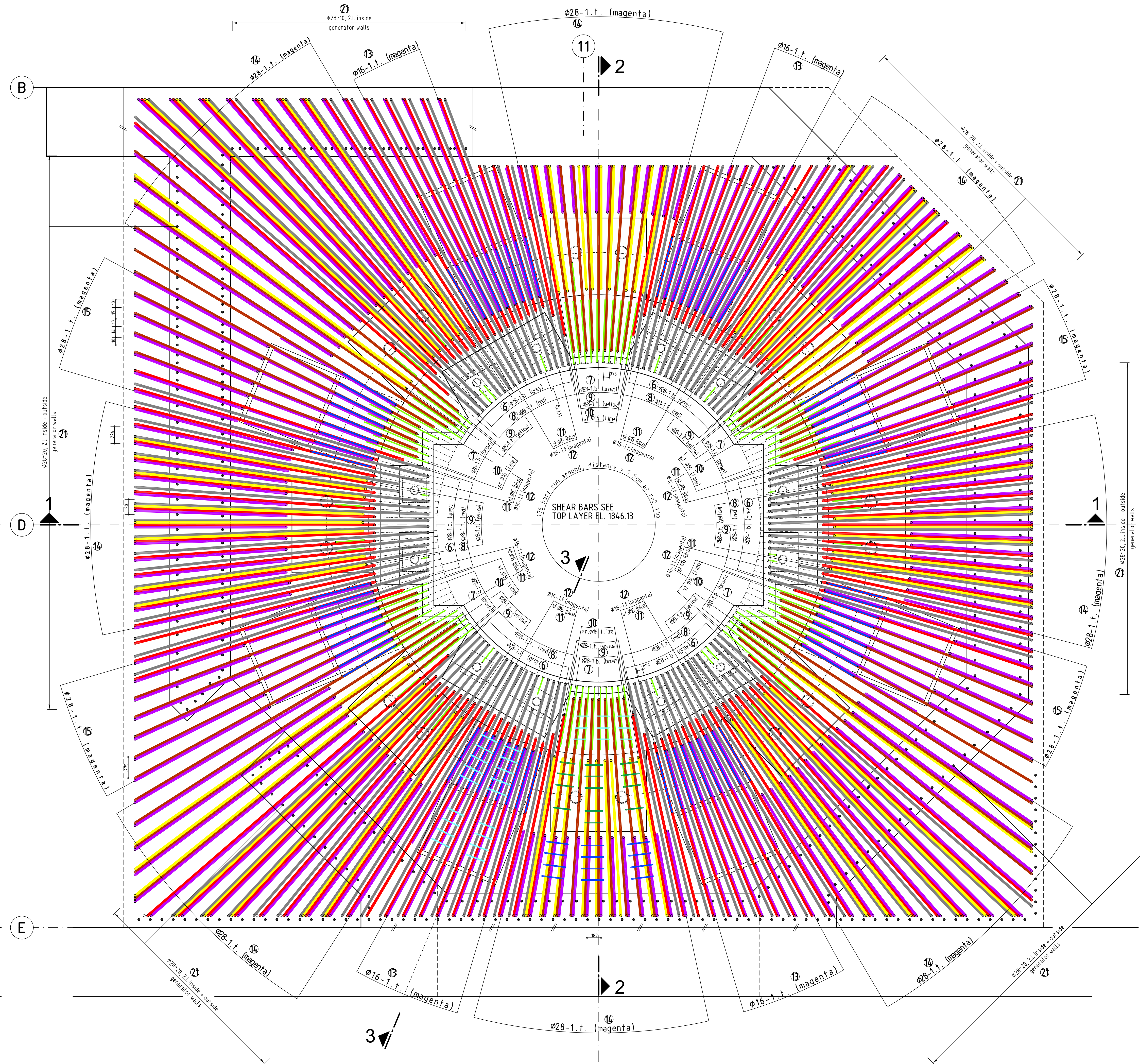


**HORIZONTAL SECTION AT EL. 1843.00 & BOTTOM LAYER FOR ACCESS**  
SC. 1:25



**GENERAL OVERVIEW RADIAL BARS EL. 1844.70 - 1847.60**  
SC. 1:25



**LEGEND:**  
DRAWING IS VALID AS REINFORCEMENT DESIGN DRAWING ONLY! DETAILED SHOP DRAWINGS WILL BE PREPARED ON THE BASIS OF THIS DRAWING.

**DIMENSIONS:**  
ALL DIMENSIONS ARE IN METERS [m] UNLESS OTHERWISE SHOWN.

**ELEVATIONS:**  
ALL ELEVATIONS ARE IN METERS ABOVE SEA LEVEL [masl].

**CONCRETE CLASS ACC. DIN 1045:**  
- C25/30 WR (WATER-RESISTANT) WITH A CUBE STRENGTH OF 30 N/mm<sup>2</sup>

**STEEL CLASS:**  
- AIII WITH A YIELD STRENGTH OF 400 N/mm<sup>2</sup>

**CONCRETE COVER (nom c) ACC. TO DIN 19702 AND ZTV-W:**  
- AREAS EXPOSED TO FLUCTUATING WATER: nom c = 6 cm  
- OTHER AREAS: nom c = 5 cm  
- THIN MEMBERS: nom c = 4 cm

**DIAMETER OF BEND  $d_{br}$  ACC. TO DIN 1045**

ds	dB	dA1	dA2	LATERAL CONCRETE COVER
< 20	4 ds	15 ds	15 ds	≥ 10cm and ≥ 7 ds
≥ 20	7 ds	15 ds	22 ds	> 5cm and > 3 ds
		20 ds	30 ds	≤ 5cm and ≤ 3 ds

**BENDING DIMENSIONS ARE MEASURED FROM OUTSIDE TO OUTSIDE!**

**ANCHORING LENGTH [ $l_a$ ] OF RIBBED REBARS ACC. TO DIN 1045 [cm]**  
VALID FOR CONCRETE CLASSES C20/25 OR HIGHER AND STEEL CLASS A III  
NOTE: TABLE VALUES MAY BE REDUCED BY FACTOR 0.7, IF END-HOOK IS PROVIDED.

	#10	#12	#14	#16	#18	#20	#22	#25	#28	#30	#32	#36
TOP LAYER	67	80	95	107	120	133	147	167	187	200	213	240
BOTTOM LAYER	53	60	71	81	91	101	111	126	141	151	161	183

**SPlice LENGTH [ $l_s$ ] OF RIBBED REBARS [cm] - STAGGERED SPLICES**  
VALID FOR CONCRETE CLASSES C20/25 OR HIGHER AND STEEL CLASS A III

	#10	#12	#14	#16	#18	#20	#22	#25	#28	#30	#32	#36
TOP LAYER	80	96	112	128	144	160	176	192	216	232	248	288
BOTTOM LAYER	53	64	75	86	97	108	119	130	141	152	163	192

**SPlice LENGTH [ $l_s$ ] OF RIBBED REBARS [cm] - NON-STAGGERED SPLICES**  
VALID FOR CONCRETE CLASSES C20/25 OR HIGHER AND STEEL CLASS A III

	#10	#12	#14	#16	#18	#20	#22	#25	#28	#30	#32	#36
TOP LAYER	80	96	112	128	144	160	176	192	216	232	248	288
BOTTOM LAYER	53	64	75	86	97	108	119	130	141	152	163	192

**NON-STAGGERED SPLICES**      **STAGGERED SPLICES**

**NOTES:**  
- ALL DIMENSIONS ARE IN METERS [m] UNLESS OTHERWISE NOTED.  
- ALL ELEVATIONS ARE IN [masl].

**ROUGH SURFACE FOR ALL CONSTRUCTION JOINTS WILL BE REQUIRED!**

**ALL SHEAR LINKS & STIRRUPS MUST ENCLOSE THE OUTERMOST REINFORCEMENT LAYER!**

**THE REINFORCEMENT BARS OF CONCRETE SEQUENCE No. 4 ARE TO BE PLACED AFTER PRELOADING OF THE RING ANCHOR BOLTS!**

**PRIOR TO ARRANGEMENT OF THE DETAIL REINFORCEMENT, ALL CONCRETE DIMENSIONS HAVE TO BE CHECKED!**

