



**BEIEGE- UND VERLEGEANWEISUNG**  
gemäß DIN EN 1992-1-1/Na2011-01 Tabelle NA.8.1 DE

**Stabkrümmungen**

Mindestwerte der Bewehrung rechnerisch zur Biegebiege

|                |               |               |                  |           |         |
|----------------|---------------|---------------|------------------|-----------|---------|
| $>10cm, >7d_s$ | $>5cm, >3d_s$ | $<5cm, <3d_s$ | Stab $d_s$ in mm | $< 20$    | $4 d_s$ |
| $10 d_s$       | $15 d_s$      | $20 d_s$      |                  | $\geq 20$ | $7 d_s$ |

Alle Maße der Betonstahlstütze sind Außenmaße!

| Betonstahl | BSL 500 S (B) und BSL 500 M (A) |                        | Betondeckung $c_s$ (mm) |            |
|------------|---------------------------------|------------------------|-------------------------|------------|
|            | Expositionsklasse               | Druckfestigkeitsklasse |                         |            |
| Bauteil    | außen/unten                     | innen/oben             | außen/unten             | innen/oben |
|            | Wände                           | XC1                    | C 30/37                 | 30         |

Dieser Plan ist nur gültig in Verbindung mit:  
Schalplan: TWP-5-A-SL-E00-201-02

03.07.2017

|                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                   |                   |                  |                  |                  |                   |                   |                   |                  |                   |                   |                   |                   |                  |                   |                  |                  |                  |                   |                  |                   |                   |                   |                   |                   |                   |                    |                  |                  |                   |                   |                   |                  |                   |                  |                    |                   |                   |                   |                   |                   |                   |                   |                   |                   |                  |                  |                  |                   |                   |                   |                   |                   |                   |                  |                   |                   |                   |                   |                   |                   |                   |                  |                  |                   |                  |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                  |                  |                  |                   |                   |                   |                   |                   |                   |                   |                   |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
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| 1 20x16 L=5,10 m | 2 20x16 L=5,09 m | 3 20x16 L=4,25 m | 4 20x16 L=4,40 m | 5 10x16 L=4,50 m | 6 20x16 L=5,43 m | 7 12x16 L=4,75 m | 8 20x16 L=5,43 m | 9 20x16 L=5,67 m | 10 6x16 L=5,65 m | 11 17x16 L=5,65 m | 12 20x16 L=5,88 m | 13 16x16 L=4,2 m | 14 18x16 L=4,2 m | 15 20x16 L=4,2 m | 16 10x16 L=3,00 m | 17 18x16 L=3,00 m | 18 18x16 L=1,88 m | 19 8x16 L=1,95 m | 20 10x16 L=2,20 m | 21 14x16 L=2,39 m | 22 20x16 L=3,30 m | 23 20x16 L=3,30 m | 24 4x16 L=4,95 m | 25 10x16 L=1,34 m | 26 6x16 L=2,20 m | 27 3x16 L=1,04 m | 28 7x16 L=3,35 m | 29 10x16 L=3,35 m | 30 6x16 L=4,50 m | 31 20x16 L=4,50 m | 32 10x16 L=3,77 m | 33 20x16 L=3,77 m | 34 20x16 L=2,20 m | 35 20x16 L=2,20 m | 36 20x16 L=1,00 m | 37 10x16 L=10,90 m | 38 6x16 L=9,40 m | 39 6x16 L=8,40 m | 40 17x16 L=1,27 m | 41 14x16 L=2,47 m | 42 10x16 L=6,30 m | 43 6x16 L=6,35 m | 44 6x16 L=12,00 m | 45 6x16 L=8,65 m | 46 10x16 L=10,20 m | 47 20x16 L=1,45 m | 48 20x16 L=0,63 m | 49 20x16 L=1,20 m | 50 20x16 L=0,70 m | 51 10x16 L=1,96 m | 52 20x16 L=2,07 m | 53 25x16 L=4,40 m | 54 20x16 L=3,65 m | 55 20x16 L=2,87 m | 56 6x16 L=3,90 m | 57 4x16 L=4,70 m | 58 4x16 L=1,16 m | 59 10x16 L=2,90 m | 60 10x16 L=2,90 m | 61 20x16 L=2,90 m | 62 20x16 L=1,19 m | 63 25x16 L=3,66 m | 64 25x16 L=3,40 m | 65 4x16 L=2,19 m | 66 10x16 L=2,40 m | 67 20x16 L=2,40 m | 68 20x16 L=2,40 m | 69 20x16 L=2,40 m | 70 20x16 L=1,29 m | 71 20x16 L=1,29 m | 72 20x16 L=2,25 m | 73 5x16 L=3,25 m | 74 6x16 L=2,50 m | 75 12x16 L=1,20 m | 76 6x16 L=1,83 m | 77 20x16 L=1,83 m | 78 20x16 L=2,37 m | 79 10x16 L=2,37 m | 80 18x16 L=2,02 m | 81 20x16 L=1,79 m | 82 20x16 L=3,90 m | 83 20x16 L=4,60 m | 84 10x16 L=4,75 m | 85 10x16 L=4,75 m | 86 20x16 L=4,65 m | 87 20x16 L=3,85 m | 88 16x16 L=3,15 m | 89 4x16 L=4,75 m | 90 4x16 L=4,80 m | 91 4x16 L=1,90 m | 92 10x16 L=4,50 m | 93 20x16 L=0,82 m | 94 10x16 L=1,20 m | 95 10x16 L=1,20 m | 96 20x16 L=1,20 m | 97 20x16 L=1,20 m | 98 20x16 L=1,20 m | 99 20x16 L=1,20 m | 100 20x16 L=1,20 m | 101 20x16 L=1,20 m | 102 20x16 L=1,20 m | 103 20x16 L=1,20 m | 104 20x16 L=1,20 m | 105 20x16 L=1,20 m | 106 20x16 L=1,20 m | 107 20x16 L=1,20 m | 108 20x16 L=1,20 m | 109 20x16 L=1,20 m | 110 20x16 L=1,20 m | 111 20x16 L=1,20 m | 112 20x16 L=1,20 m | 113 20x16 L=1,20 m | 114 20x16 L=1,20 m | 115 20x16 L=1,20 m | 116 20x16 L=1,20 m | 117 20x16 L=1,20 m | 118 20x16 L=1,20 m | 119 20x16 L=1,20 m | 120 20x16 L=1,20 m | 121 20x16 L=1,20 m | 122 20x16 L=1,20 m | 123 20x16 L=1,20 m | 124 20x16 L=1,20 m | 125 20x16 L=1,20 m |
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| 126 18x8 L=2,20 m  | 127 18x8 L=4,60 m  | 128 18x8 L=3,85 m  | 129 8x8 L=1,52 m  | 130 4x8 L=1,74 m  | 131 20x8 L=2,44 m | 132 20x8 L=2,80 m | 133 20x8 L=4,35 m | 134 20x8 L=4,35 m | 135 20x8 L=1,36 m | 136 4x10 L=2,35 m | 137 6x16 L=3,80 m |
| 138 20x12 L=1,66 m | 139 10x16 L=1,32 m | 140 20x12 L=2,25 m | 141 4x10 L=2,25 m | 142 8x20 L=4,75 m | 143 20x8 L=2,28 m | 144 20x8 L=2,05 m | 145 8x8 L=1,14 m  | 146 6x16 L=4,85 m | 147 8x25 L=3,85 m | 148 4x20 L=4,85 m | 149 20x8 L=2,00 m |

Hälften-Bewehrungsanschluss, Typ HBT

(X1) #10-10 HBT 220, Typ 5 3x1,25=11,25 Stm

(X2) #10-10 HBT 190, Typ 5 3x1,25=3,75 Stm

PROJEKT: Neubau eines Hotels mit 392 Betten auf vorhandener Tiefgarage sowie deren Erweiterung um 31 Stellplätze

ZEICHNUNG: AUSFÜHRUNGSPLANUNG - BEWEHRUNGSPLAN

Wände im EG Achse A-E / 1-8

Freigabe  
Am 07.07.2017 vom  
Prüfingenieur freigegeben.

