

Projekt: 14060 Klärwerk Rosental

/ 09 B 02

Projektdaten

Bezeichnung : Klärwerk Rosental
: Kapazitätserweiterung
Planinhalt : Dosierstation
: Gründung: Fundamentbalken und Bodenplatte
Bauherr : Leipziger Wasserwerke
Plan Nr. : 09 B 02

Die Gesamtlängen der Auszüge beziehen sich auf Außenmaße

S T A H L L I S T E Betonstahl: B500B

Pos.	Stk.	D	Länge	D8	D10	D12	D14	D16
1	54	12	11.24			606.96		
2	54	12	10.25			553.50		
3	40	12	8.05			322.00		
4	8	12	7.40			59.20		
5	32	12	9.37			299.84		
6	62	12	8.90			551.80		
7	15	12	10.30			154.50		
8	15	12	9.00			135.00		
9	107	12	5.79			619.53		
10	23	12	2.39			54.97		
11	58	12	6.99			405.42		
12	70	12	5.96			417.20		
13	39	12	4.45			173.55		
14	39	12	3.70			144.30		
15	13	12	3.29			42.77		
16	13	12	2.57			33.41		
17	100	12	3.19			319.00		
18	6	12	9.93			59.58		
19	82	12	11.96			980.72		
20	8	16	13.35					106.80
21	12	16	6.30					75.60
22	12	16	13.15					157.80
23	12	16	6.95					83.40
24	15	16	7.03					105.45
25	132	10	4.01		529.32			
26	194	10	1.76		341.44			
27	303	10	2.76		836.28			
28	85	10	3.71		315.35			
29	17	10	4.64		78.88			
30	14	10	3.32		46.48			
31	19	10	4.11		78.09			
32	22	16	13.45					295.90
33	20	16	13.55					271.00
34	142	12	10.80			1533.60		
35	10	16	4.60					46.00
36	4	16	5.75					23.00
37	6	14	5.75				34.50	
38	16	10	3.25		52.00			
39	192	10	3.85		739.20			
40	109	10	3.10		337.90			
41	22	14	3.00				66.00	
42	69	10	3.39		233.91			
43	57	10	2.76		157.32			
44	57	10	2.98		169.86			
45	58	16	1.31					75.98
46	22	8	1.42	31.24				
47	4	8	1.82	7.28				
48	2	8	2.16	4.32				

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Pos.	Stk.	D	Länge	D8	D10	D12	D14	D16
48	2	8	2.16	4.32				
49	36	8	12.00	432.00				
50	9	10	1.44		12.96			
51	299	12	1.01			301.99		
52	21	12	0.91			19.11		
53	46	12	2.90			133.40		
54	8	12	7.82			62.56		
55	3	12	5.00			15.00		
56	5	12	5.80			29.00		
57	64	12	7.65			489.60		
58	12	12	2.23			26.76		
59	8	12	2.50			20.00		
60	4	12	10.63			42.52		
61	4	12	12.00			48.00		
62	4	12	4.25			17.00		
63	2	12	6.30			12.60		
64	11	12	6.00			66.00		

Gesamtlängen	474.84	3928.99	8750.39	100.50	1240.93
kg / m	D8 0.395	D10 0.617	D12 0.888	D14 1.210	D16 1.580
kg / d	187.562	2424.187	7770.346	121.605	1960.669

Gesamtgewicht (kg) 12464.369

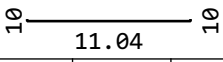
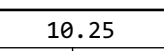
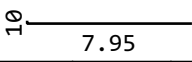
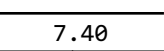
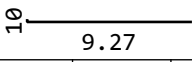
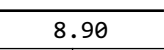
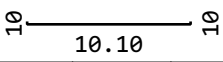
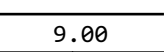
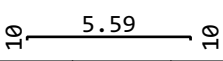
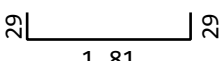
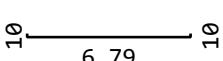
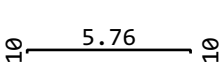
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Planinhalt : Dosierstation
: Gründung: Fundamentbalken und Bodenplatte
Bauherr : Leipziger Wasserwerke
Plan Nr. : 09 B 02

B I E G E L I S T E Betonstahl: B500B

Pos.	Stk.	Ø	Länge	dbr ds	Typ	Biegeform						Ges. L	Gewicht kg
						A	B	C	D	E	H		
1	54	12	11.24	4	A1	11.04					0.10 0.10	606.96	538.980
													
2	54	12	10.25	4	A1	10.25						553.50	491.508
													
3	40	12	8.05	4	A1	7.95					0.10 0.00	322.00	285.936
													
4	8	12	7.40	4	A1	7.40						59.20	52.570
													
5	32	12	9.37	4	A1	9.27					0.10 0.00	299.84	266.258
													
6	62	12	8.90	4	A1	8.90						551.80	489.998
													
7	15	12	10.30	4	A1	10.10					0.10 0.10	154.50	137.196
													
8	15	12	9.00	4	A1	9.00						135.00	119.880
													
9	107	12	5.79	4	A1	5.59					0.10 0.10	619.53	550.143
													
10	23	12	2.39	4	A3	0.29	1.81	0.29				54.97	48.813
													
11	58	12	6.99	4	A1	6.79					0.10 0.10	405.42	360.013
													
12	70	12	5.96	4	A1	5.76					0.10 0.10	417.20	370.474
													

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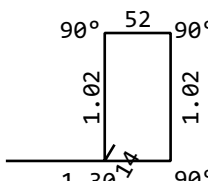
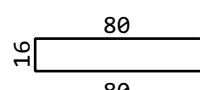
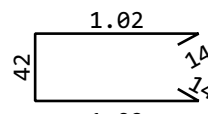
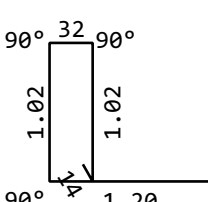
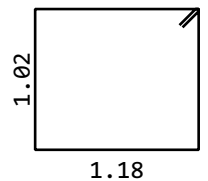
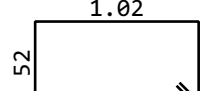
B I E G E L I S T E Betonstahl: B500B

Pos.	Stk.	Ø	Länge	db ds	Typ	Biegeform						Ges. L	Gewicht kg
						A	B	C	D	E	H		
13	39	12	4.45	4	A1	4.25					0.10 0.10	173.55	154.112
14	39	12	3.70	4	A1	3.70						144.30	128.138
15	13	12	3.29	4	A1	3.09					0.10 0.10	42.77	37.980
16	13	12	2.57	4	A1	2.57						33.41	29.668
17	100	12	3.19	4	A3	1.70	0.19	1.30				319.00	283.272
18	6	12	9.93	4	A1	9.73					0.10 0.10	59.58	52.907
19	82	12	11.96	4	A1	11.76					0.10 0.10	980.72	870.879
20	8	16	13.35	4	A2	0.95	12.40					106.80	168.744
21	12	16	6.30	4	A2	0.95	5.35					75.60	119.448
22	12	16	13.15	4	A2	0.95	12.20					157.80	249.324
23	12	16	6.95	4	A2	0.95	6.00					83.40	131.772
24	15	16	7.03	4	A1	6.75					0.14 0.14	105.45	166.611

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Pos.	Stk.	Ø	Länge	dbr ds	Typ	Biegeform						Ges. L	Gewicht kg
						A	B	C	D	E	H		
25	132	10	4.01	4	X1	 Nr. dx dy l >° 1 1.30 0.00 1.30 90 2 0.00 1.02 1.02 90 3 -0.52 0.00 0.52 90 4 0.00 -1.02 1.02 150 0.14						529.32	326.590
26	194	10	1.76	4	A3	0.80	0.16	0.80				341.44	210.668
													
27	303	10	2.76	4	A3	1.02	0.42	1.02			0.14 0.14	836.28	515.985
													
28	85	10	3.71	4	X1	 Nr. dx dy l >° 1 0.00 1.02 1.02 90 2 -0.32 0.00 0.32 90 3 0.00 -1.02 1.02 90 4 1.20 0.00 1.20						315.35	194.571
29	17	10	4.64	4	B1	1.18	1.02				0.11 0.11	78.88	48.669
													
30	14	10	3.32	4	B1	0.52	1.02				0.11 0.11	46.48	28.678
													

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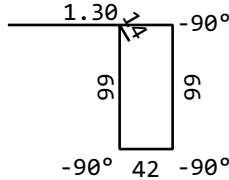
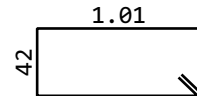
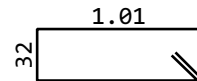
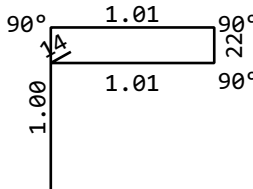
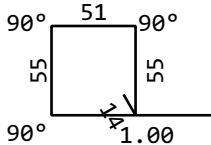
B I E G E L I S T E Betonstahl: B500B

Pos.	Stk.	Ø	Länge	dbr ds	Typ	Biegeform						Ges.L	Gewicht kg
						A	B	C	D	E	H		
31	19	10	4.11	4	X1	<div><div><div><div><div></div><div>62</div><div></div></div><div><div>90°</div><div></div><div>90°</div></div><div><div>1.02</div><div></div><div>1.02</div></div><div><div>90°</div><div></div><div>90°</div></div><div><div></div><div>1.30</div><div></div></div></div></div></div> <div><div>Nr.</div><div>dx</div><div>dy</div><div>l</div><div>>°</div></div> <div><div>1</div><div>0.00</div><div>1.02</div><div>1.02</div><div>90</div></div> <div><div>2</div><div>-0.62</div><div>0.00</div><div>0.62</div><div>90</div></div> <div><div>3</div><div>0.00</div><div>-1.02</div><div>1.02</div><div>90</div></div> <div><div>4</div><div>1.30</div><div>0.00</div><div>1.30</div><div></div></div>						78.09	48.182
32	22	16	13.45	4	X1	<div><div><div><div><div></div><div>9.51</div><div></div></div><div><div>-90°</div><div></div><div>5°</div></div><div><div>0.90</div><div></div><div>0.90</div></div><div><div>5°</div><div></div><div>-5°</div></div><div><div></div><div>0.42</div><div></div></div></div></div></div> <div><div>Nr.</div><div>dx</div><div>dy</div><div>l</div><div>>°</div></div> <div><div>1</div><div>0.00</div><div>0.90</div><div>0.90</div><div>-90</div></div> <div><div>2</div><div>0.65</div><div>0.00</div><div>0.65</div><div>5</div></div> <div><div>3</div><div>0.42</div><div>0.04</div><div>0.42</div><div>-5</div></div> <div><div>4</div><div>9.51</div><div>0.00</div><div>9.51</div><div>-5</div></div> <div><div>5</div><div>0.42</div><div>-0.03</div><div>0.42</div><div>5</div></div> <div><div>6</div><div>0.65</div><div>0.00</div><div>0.65</div><div>-90</div></div> <div><div>7</div><div>0.00</div><div>-0.90</div><div>0.90</div><div></div></div>						295.90	467.522
33	20	16	13.55	4	A3	0.90	11.75	0.90				271.00	428.180
						<div><div><div><div></div><div>11.75</div><div></div></div><div><div>90</div><div></div><div>90</div></div></div></div>							
34	142	12	10.80	4	A1	10.80						1533.60	1361.837
						<div><div><div><div></div><div>10.80</div><div></div></div></div></div>							
35	10	16	4.60	4	A1	4.60						46.00	72.680
						<div><div><div><div></div><div>4.60</div><div></div></div></div></div>							
36	4	16	5.75	4	A1	5.75						23.00	36.340
						<div><div><div><div></div><div>5.75</div><div></div></div></div></div>							
37	6	14	5.75	4	A1	5.75						34.50	41.745
						<div><div><div><div></div><div>5.75</div><div></div></div></div></div>							
38	16	10	3.25	4	A3	0.51	2.24	0.50				52.00	32.084
						<div><div><div><div><div></div><div>2.24</div><div></div></div><div><div>51</div><div></div><div>50</div></div></div></div></div>							

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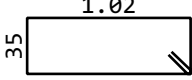
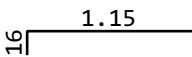
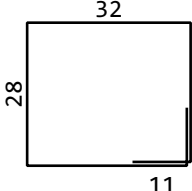
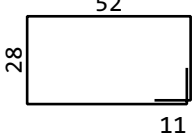
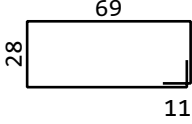
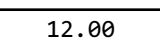
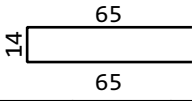
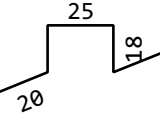
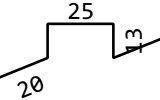
B I E G E L I S T E Betonstahl: B500B

Pos.	Stk.	Ø	Länge	dbr ds	Typ	Biegeform						Ges.L	Gewicht kg																														
						A	B	C	D	E	H																																
39	192	10	3.85	4	X1	 <table><tr><td>Nr.</td><td>dx</td><td>dy</td><td>l</td><td>>°</td></tr><tr><td>1</td><td>1.30</td><td>0.00</td><td>1.30</td><td>-90</td></tr><tr><td>2</td><td>0.00</td><td>-0.99</td><td>0.99</td><td>-90</td></tr><tr><td>3</td><td>-0.42</td><td>0.00</td><td>0.42</td><td>-90</td></tr><tr><td>4</td><td>0.00</td><td>0.99</td><td>0.99</td><td>-150</td></tr></table> 0.14						Nr.	dx	dy	l	>°	1	1.30	0.00	1.30	-90	2	0.00	-0.99	0.99	-90	3	-0.42	0.00	0.42	-90	4	0.00	0.99	0.99	-150	739.20	456.086					
Nr.	dx	dy	l	>°																																							
1	1.30	0.00	1.30	-90																																							
2	0.00	-0.99	0.99	-90																																							
3	-0.42	0.00	0.42	-90																																							
4	0.00	0.99	0.99	-150																																							
40	109	10	3.10	4	B1	0.42	1.01				0.11	0.11	337.90	208.484																													
																																											
41	22	14	3.00	4	B1	0.32	1.01				0.15	0.15	66.00	79.860																													
																																											
42	69	10	3.39	4	X1	 <table><tr><td>Nr.</td><td>dx</td><td>dy</td><td>l</td><td>>°</td></tr><tr><td></td><td></td><td></td><td>0.14</td><td>150</td></tr><tr><td>1</td><td>1.01</td><td>0.00</td><td>1.01</td><td>90</td></tr><tr><td>2</td><td>0.00</td><td>0.22</td><td>0.22</td><td>90</td></tr><tr><td>3</td><td>-1.01</td><td>0.00</td><td>1.01</td><td>90</td></tr><tr><td>4</td><td>0.00</td><td>-1.00</td><td>1.00</td><td></td></tr></table>						Nr.	dx	dy	l	>°				0.14	150	1	1.01	0.00	1.01	90	2	0.00	0.22	0.22	90	3	-1.01	0.00	1.01	90	4	0.00	-1.00	1.00		233.91	144.322
Nr.	dx	dy	l	>°																																							
			0.14	150																																							
1	1.01	0.00	1.01	90																																							
2	0.00	0.22	0.22	90																																							
3	-1.01	0.00	1.01	90																																							
4	0.00	-1.00	1.00																																								
43	57	10	2.76	4	X1	 <table><tr><td>Nr.</td><td>dx</td><td>dy</td><td>l</td><td>>°</td></tr><tr><td></td><td></td><td></td><td>0.14</td><td>150</td></tr><tr><td>1</td><td>0.00</td><td>0.55</td><td>0.55</td><td>90</td></tr><tr><td>2</td><td>-0.51</td><td>0.00</td><td>0.51</td><td>90</td></tr><tr><td>3</td><td>0.00</td><td>-0.55</td><td>0.55</td><td>90</td></tr><tr><td>4</td><td>1.00</td><td>0.00</td><td>1.00</td><td></td></tr></table>						Nr.	dx	dy	l	>°				0.14	150	1	0.00	0.55	0.55	90	2	-0.51	0.00	0.51	90	3	0.00	-0.55	0.55	90	4	1.00	0.00	1.00		157.32	97.066
Nr.	dx	dy	l	>°																																							
			0.14	150																																							
1	0.00	0.55	0.55	90																																							
2	-0.51	0.00	0.51	90																																							
3	0.00	-0.55	0.55	90																																							
4	1.00	0.00	1.00																																								

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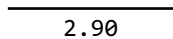
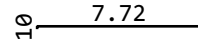
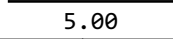
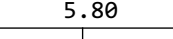
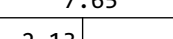
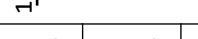
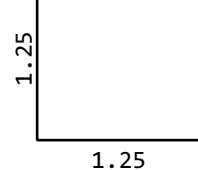
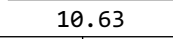
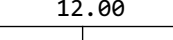
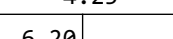
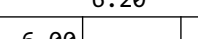

B I E G E L I S T E Betonstahl: B500B

Pos.	Stk.	Ø	Länge	dbr ds	Typ	Biegeform						Ges.L	Gewicht kg
						A	B	C	D	E	H		
44	57	10	2.98	4	B1	0.35	1.02				0.11 0.11	169.86	104.804
													
45	58	16	1.31	4	A2	1.15	0.16					75.98	120.048
													
46	22	8	1.42	4	B2	0.28	0.32	0	0.11			31.24	12.340
													
47	4	8	1.82	4	B2	0.28	0.52	0	0.11			7.28	2.876
													
48	2	8	2.16	4	B2	0.28	0.69	0	0.11			4.32	1.706
													
49	36	8	12.00	4	A1	12.00						432.00	170.640
													
50	9	10	1.44	4	A3	0.65	0.14	0.65				12.96	7.996
													
51	299	12	1.01	4	D2	0.25	0.18	0.20				301.99	268.167
													
52	21	12	0.91	4	D2	0.25	0.13	0.20				19.11	16.970
													

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B I E G E L I S T E Betonstahl: B500B

Pos.	Stk.	Ø	Länge	dbr ds	Typ	Biegeform						Ges.L	Gewicht kg
						A	B	C	D	E	H		
53	46	12	2.90	4	A1	2.90						133.40	118.459
													
54	8	12	7.82	4	A1	7.72					0.10 0.00	62.56	55.553
													
55	3	12	5.00	4	A1	5.00						15.00	13.320
													
56	5	12	5.80	4	A1	5.80						29.00	25.752
													
57	64	12	7.65	4	A1	7.65						489.60	434.765
													
58	12	12	2.23	4	A1	2.13					0.10 0.00	26.76	23.763
													
59	8	12	2.50	4	A2	1.25	1.25					20.00	17.760
													
60	4	12	10.63	4	A1	10.63						42.52	37.758
													
61	4	12	12.00	4	A1	12.00						48.00	42.624
													
62	4	12	4.25	4	A1	4.25						17.00	15.096
													
63	2	12	6.30	4	A1	6.20					0.10 0.00	12.60	11.189
													
64	11	12	6.00	4	A1	6.00						66.00	58.608
													

Gesamtgewicht (kg) 12464.369